

OHSU KNIGHT DIAGNOSTIC LABORATORIES INHERITED DISORDERS NGS GENE COVERAGE

GENE NAME	REFSEQ	% GENE COVERAGE**
A1BG	NM_130786.3	99.9
A1CF	NM_014576.3	100.0
A2M	NM_000014.4	100.0
A2ML1	NM_144670.4	100.0
A3GALT2	NM_001080438.1	99.9
A4GALT	NM_017436.4	100.0
A4GNT	NM_016161.2	100.0
AAAS	NM_015665.5	100.0
AACS	NM_023928.3	100.0
AADAC	NM_001086.2	100.0
AADACL2	NM_207365.3	100.0
AADACL3	NM_001103169.1	100.0
AADACL4	NM_001013630.1	100.0
AADAT	NM_016228.3	100.0
AAED1	NM_153698.1	87.3
AAGAB	NM_024666.4	100.0
AAK1	NM_014911.3	100.0
AAMDC	NM_024684.2	100.0
AAMP	NM_001087.3	100.0
AANAT	NM_001088.2	100.0
AAR2	NM_015511.4	100.0
AARD	NM_001025357.2	100.0
AARS	NM_001605.2	100.0
AARS2	NM_020745.3	100.0
AARSD1	NM_001261434.1	100.0
AASDH	NM_181806.2	100.0
AASDHPPT	NM_015423.2	100.0
AASS	NM_005763.3	100.0
AATF	NM_012138.3	100.0
AATK	NM_004920.2	100.0
ABAT	NM_020686.5	100.0
ABCA1	NM_005502.3	100.0
ABCA10	NM_080282.3	100.0
ABCA12	NM_173076.2	100.0
ABCA13	NM_152701.3	100.0

ABCA2	NM_212533.2	100.0
ABCA3	NM_001089.2	100.0
ABCA4	NM_000350.2	100.0
ABCA5	NM_018672.3	100.0
ABCA6	NM_080284.2	100.0
ABCA7	NM_019112.3	100.0
ABCA8	NM_007168.2	100.0
ABCA9	NM_080283.3	100.0
ABCB1	NM_000927.4	100.0
ABCB10	NM_012089.2	95.3
ABCB11	NM_003742.2	100.0
ABCB4	NM_000443.3	100.0
ABCB5	NM_001163941.1	100.0
ABCB6	NM_005689.2	100.0
ABCB7	NM_004299.4	100.0
ABCB8	NM_007188.3	100.0
ABCB9	NM_019624.3	100.0
ABCC1	NM_004996.3	100.0
ABCC10	NM_033450.2	100.0
ABCC11	NM_032583.3	100.0
ABCC12	NM_033226.2	100.0
ABCC2	NM_000392.3	100.0
ABCC3	NM_003786.3	100.0
ABCC4	NM_005845.3	100.0
ABCC5	NM_005688.2	100.0
ABCC6	NM_001171.5	100.0
ABCC8	NM_000352.3	100.0
ABCC9	NM_005691.2	100.0
ABCD1	NM_000033.3	100.0
ABCD2	NM_005164.3	100.0
ABCD3	NM_002858.3	100.0
ABCD4	NM_005050.3	100.0
ABCE1	NM_002940.2	100.0
ABCF1	NM_001090.2	100.0
ABCF2	NM_005692.4	100.0
ABCF3	NM_018358.2	100.0
ABCG1	NM_207174.1	100.0
ABCG2	NM_004827.2	100.0
ABCG4	NM_022169.4	100.0
ABCG5	NM_022436.2	100.0

ABCG8	NM_022437.2	100.0
ABHD1	NM_032604.3	100.0
ABHD10	NM_018394.3	100.0
ABHD11	NM_148912.2	100.0
ABHD12	NM_001042472.2	99.6
ABHD12B	NM_181814.1	99.9
ABHD13	NM_032859.2	100.0
ABHD14A	NM_015407.4	100.0
ABHD14B	NM_032750.2	100.0
ABHD15	NM_198147.2	100.0
ABHD16A	NM_021160.2	100.0
ABHD16B	NM_080622.3	100.0
ABHD17A	NM_031213.3	100.0
ABHD17B	NM_016014.2	100.0
ABHD17C	NM_021214.1	92.6
ABHD2	NM_007011.7	100.0
ABHD3	NM_138340.4	100.0
ABHD4	NM_022060.2	100.0
ABHD5	NM_016006.4	100.0
ABHD6	NM_020676.5	100.0
ABHD8	NM_024527.4	100.0
ABI1	NM_005470.3	100.0
ABI2	NM_005759.4	100.0
ABI3	NM_016428.2	100.0
ABI3BP	NM_015429.3	100.0
ABL1	NM_005157.4	100.0
ABL2	NM_005158.4	100.0
ABLIM1	NM_001003408.1	100.0
ABLIM2	NM_032432.4	100.0
ABLIM3	NM_014945.2	100.0
ABO	NM_020469.2	100.0
ABR	NM_001092.4	100.0
ABRA	NM_139166.4	100.0
ABRACL	NM_021243.2	100.0
ABT1	NM_013375.3	100.0
ABTB1	NM_032548.3	100.0
ABTB2	NM_145804.2	100.0
ACAA1	NM_001607.3	100.0
ACAA2	NM_006111.2	100.0
ACACA	NM_198839.1	100.0

ACACB	NM_001093.3	100.0
ACAD10	NM_001136538.1	97.2
ACAD11	NM_032169.4	100.0
ACAD8	NM_014384.2	100.0
ACAD9	NM_014049.4	100.0
ACADL	NM_001608.3	100.0
ACADM	NM_000016.4	100.0
ACADS	NM_000017.2	100.0
ACADSB	NM_001609.3	100.0
ACADV1	NM_000018.3	100.0
ACAN	NM_013227.3	99.4
ACAP1	NM_014716.3	100.0
ACAP2	NM_012287.5	100.0
ACAP3	NM_030649.2	100.0
ACAT1	NM_000019.3	100.0
ACAT2	NM_005891.2	100.0
ACBD3	NM_022735.3	99.6
ACBD4	NM_024722.2	100.0
ACBD5	NM_145698.3	100.0
ACBD6	NM_032360.3	100.0
ACBD7	NM_001039844.2	100.0
ACCS	NM_032592.3	100.0
ACCSL	NM_001031854.2	100.0
ACD	NM_001082486.1	100.0
ACE	NM_000789.3	99.7
ACE2	NM_021804.2	100.0
ACER1	NM_133492.2	100.0
ACER2	NM_001010887.2	100.0
ACER3	NM_018367.5	100.0
ACHE	NM_000665.3	100.0
ACIN1	NM_014977.3	100.0
ACKR2	NM_001296.4	100.0
ACKR3	NM_020311.2	100.0
ACKR4	NM_016557.3	100.0
ACLY	NM_001096.2	100.0
ACMSD	NM_138326.2	100.0
ACN9	NM_020186.2	100.0
ACO1	NM_002197.2	100.0
ACO2	NM_001098.2	100.0
ACOT1	NM_001037161.1	90.9

ACOT11	NM_015547.3	100.0
ACOT12	NM_130767.2	100.0
ACOT13	NM_018473.3	100.0
ACOT2	NM_006821.5	100.0
ACOT4	NM_152331.3	99.9
ACOT6	NM_001037162.1	100.0
ACOT7	NM_181864.2	100.0
ACOT8	NM_005469.3	100.0
ACOT9	NM_001033583.2	100.0
ACOX1	NM_004035.6	100.0
ACOX2	NM_003500.3	100.0
ACOX3	NM_003501.2	100.0
ACOXL	NM_001142807.1	100.0
ACP1	NM_004300.3	100.0
ACP2	NM_001610.2	100.0
ACP5	NM_001111035.1	100.0
ACP6	NM_016361.4	100.0
ACPL2	NM_152282.3	100.0
ACPP	NM_001099.4	100.0
ACPT	NM_033068.2	100.0
ACR	NM_001097.2	99.9
ACRBP	NM_032489.2	100.0
ACRC	NM_052957.4	100.0
ACRV1	NM_001612.5	100.0
ACSBG1	NM_015162.4	100.0
ACSBG2	NM_030924.3	100.0
ACSF2	NM_025149.4	100.0
ACSF3	NM_174917.3	100.0
ACSL1	NM_001995.2	100.0
ACSL3	NM_004457.3	100.0
ACSL4	NM_004458.2	100.0
ACSL5	NM_016234.3	100.0
ACSL6	NM_015256.3	100.0
ACSM1	NM_052956.2	100.0
ACSM2A	NM_001010845.2	100.0
ACSM2B	NM_182617.3	100.0
ACSM3	NM_005622.3	100.0
ACSM4	NM_001080454.1	100.0
ACSM5	NM_017888.2	100.0
ACSS1	NM_032501.3	99.1

ACSS2	NM_018677.3	100.0
ACSS3	NM_024560.2	100.0
ACTA1	NM_001100.3	100.0
ACTA2	NM_001613.2	100.0
ACTB	NM_001101.3	100.0
ACTBL2	NM_001017992.3	100.0
ACTC1	NM_005159.4	100.0
ACTG1	NM_001614.3	100.0
ACTG2	NM_001615.3	99.9
ACTL10	NM_001024675.1	100.0
ACTL6A	NM_004301.3	100.0
ACTL6B	NM_016188.4	100.0
ACTL7A	NM_006687.2	100.0
ACTL7B	NM_006686.3	100.0
ACTL8	NM_030812.2	100.0
ACTL9	NM_178525.3	100.0
ACTN1	NM_001130004.1	100.0
ACTN2	NM_001103.3	100.0
ACTN4	NM_004924.4	100.0
ACTR10	NM_018477.2	100.0
ACTR1A	NM_005736.3	100.0
ACTR1B	NM_005735.3	100.0
ACTR2	NM_005722.3	100.0
ACTR3	NM_005721.4	100.0
ACTR3B	NM_020445.5	100.0
ACTR3C	NM_001164458.1	100.0
ACTR5	NM_024855.3	100.0
ACTR6	NM_022496.4	100.0
ACTR8	NM_022899.4	100.0
ACTRT1	NM_138289.3	100.0
ACTRT2	NM_080431.4	100.0
ACTRT3	NM_032487.4	100.0
ACVR1	NM_001105.4	100.0
ACVR1B	NM_004302.4	100.0
ACVR1C	NM_145259.2	100.0
ACVR2A	NM_001616.4	100.0
ACVR2B	NM_001106.3	100.0
ACVRL1	NM_000020.2	100.0
ACY1	NM_000666.2	100.0
ACY3	NM_080658.1	100.0

ACYP1	NM_001107.3	100.0
ACYP2	NM_138448.3	100.0
ADA	NM_000022.2	100.0
ADAD1	NM_139243.3	100.0
ADAD2	NM_139174.3	100.0
ADAL	NM_001012969.2	100.0
ADAM10	NM_001110.2	100.0
ADAM11	NM_002390.4	100.0
ADAM12	NM_003474.4	100.0
ADAM15	NM_003815.4	100.0
ADAM17	NM_003183.4	100.0
ADAM18	NM_014237.2	100.0
ADAM19	NM_033274.4	100.0
ADAM2	NM_001464.4	100.0
ADAM20	NM_003814.4	100.0
ADAM21	NM_003813.3	100.0
ADAM22	NM_021723.3	100.0
ADAM23	NM_003812.3	97.4
ADAM28	NM_014265.4	100.0
ADAM29	NM_014269.4	100.0
ADAM30	NM_021794.3	100.0
ADAM32	NM_145004.5	100.0
ADAM33	NM_025220.2	100.0
ADAM7	NM_003817.3	100.0
ADAM8	NM_001109.4	100.0
ADAM9	NM_003816.2	100.0
ADAMDEC1	NM_014479.3	100.0
ADAMTS1	NM_006988.3	100.0
ADAMTS10	NM_030957.2	100.0
ADAMTS12	NM_030955.2	100.0
ADAMTS13	NM_139025.4	99.4
ADAMTS14	NM_080722.3	100.0
ADAMTS15	NM_139055.2	100.0
ADAMTS16	NM_139056.2	100.0
ADAMTS17	NM_139057.2	97.1
ADAMTS18	NM_199355.2	100.0
ADAMTS19	NM_133638.3	100.0
ADAMTS2	NM_014244.4	97.6
ADAMTS20	NM_025003.3	100.0
ADAMTS3	NM_014243.2	100.0

ADAMTS4	NM_005099.4	100.0
ADAMTS5	NM_007038.3	100.0
ADAMTS6	NM_197941.2	100.0
ADAMTS7	NM_014272.3	100.0
ADAMTS8	NM_007037.4	98.7
ADAMTS9	NM_182920.1	100.0
ADAMTSL1	NM_052866.4	100.0
ADAMTSL2	NM_014694.3	99.8
ADAMTSL3	NM_207517.2	100.0
ADAMTSL4	NM_019032.4	100.0
ADAMTSL5	NM_213604.2	100.0
ADAP1	NM_006869.2	99.7
ADAP2	NM_018404.2	100.0
ADAR	NM_001111.4	100.0
ADARB1	NM_015833.3	94.6
ADARB2	NM_018702.3	99.3
ADAT1	NM_012091.3	100.0
ADAT2	NM_182503.2	100.0
ADAT3	NM_138422.2	100.0
ADC	NM_052998.2	100.0
ADCK1	NM_020421.3	100.0
ADCK2	NM_052853.3	100.0
ADCK3	NM_020247.4	100.0
ADCK4	NM_024876.3	100.0
ADCK5	NM_174922.4	100.0
ADCY1	NM_021116.2	95.6
ADCY10	NM_018417.4	100.0
ADCY2	NM_020546.2	100.0
ADCY3	NM_004036.3	100.0
ADCY4	NM_139247.3	100.0
ADCY5	NM_183357.2	97.1
ADCY6	NM_015270.3	100.0
ADCY7	NM_001114.3	100.0
ADCY8	NM_001115.2	99.9
ADCY9	NM_001116.3	100.0
ADCYAP1	NM_001099733.1	99.8
ADCYAP1R1	NM_001199635.1	100.0
ADD1	NM_014190.3	100.0
ADD2	NM_001617.3	100.0
ADD3	NM_016824.3	100.0

ADGB	NM_024694.3	100.0
ADH1A	NM_000667.3	100.0
ADH1B	NM_000668.4	100.0
ADH1C	NM_000669.3	100.0
ADH4	NM_000670.3	100.0
ADH5	NM_000671.3	100.0
ADH6	NM_000672.3	100.0
ADH7	NM_000673.4	100.0
ADHFE1	NM_144650.2	100.0
ADI1	NM_018269.3	100.0
ADIG	NM_001018082.1	100.0
ADIPOQ	NM_004797.3	100.0
ADIPOR1	NM_015999.4	100.0
ADIPOR2	NM_024551.2	100.0
ADIRF	NM_006829.2	100.0
ADK	NM_001123.3	100.0
ADM	NM_001124.1	100.0
ADM2	NM_024866.5	100.0
ADM5	NM_001101340.1	100.0
ADNP	NM_015339.2	100.0
ADNP2	NM_014913.3	100.0
ADO	NM_032804.5	99.9
ADORA1	NM_000674.2	100.0
ADORA2A	NM_000675.5	100.0
ADORA2B	NM_000676.2	100.0
ADORA3	NM_000677.3	100.0
ADPGK	NM_031284.4	100.0
ADPRH	NM_001125.2	100.0
ADPRHL1	NM_138430.3	100.0
ADPRHL2	NM_017825.2	100.0
ADPRM	NM_020233.4	100.0
ADRA1A	NM_000680.2	100.0
ADRA1B	NM_000679.3	98.3
ADRA1D	NM_000678.3	95.4
ADRA2A	NM_000681.3	93.2
ADRA2B	NM_000682.5	100.0
ADRA2C	NM_000683.3	87.5
ADRB1	NM_000684.2	89.4
ADRB2	NM_000024.5	100.0
ADRB3	NM_000025.2	100.0

ADRBK1	NM_001619.3	100.0
ADRBK2	NM_005160.3	100.0
ADRM1	NM_007002.3	100.0
ADSL	NM_000026.2	100.0
ADSS	NM_001126.3	100.0
ADSSL1	NM_152328.3	99.8
ADTRP	NM_001143948.1	100.0
AEBP1	NM_001129.4	99.9
AEBP2	NM_153207.4	100.0
AEN	NM_022767.3	100.0
AES	NM_001130.5	100.0
AFAP1	NM_198595.2	100.0
AFAP1L1	NM_152406.2	100.0
AFAP1L2	NM_032550.2	100.0
AFF1	NM_005935.2	100.0
AFF2	NM_002025.3	100.0
AFF3	NM_002285.2	100.0
AFF4	NM_014423.3	100.0
AFG3L2	NM_006796.2	99.7
AFM	NM_001133.2	100.0
AFMID	NM_001010982.4	100.0
AFP	NM_001134.1	100.0
AFTPH	NM_017657.4	100.0
AGA	NM_000027.3	100.0
AGAP1	NM_014914.4	100.0
AGAP11	NM_133447.1	100.0
AGAP2	NM_014770.3	99.9
AGAP3	NM_031946.5	96.1
AGBL1	NM_152336.2	100.0
AGBL2	NM_024783.3	95.8
AGBL3	NM_178563.3	100.0
AGBL5	NM_021831.5	100.0
AGER	NM_001136.4	100.0
AGFG1	NM_004504.4	100.0
AGFG2	NM_006076.4	100.0
AGGF1	NM_018046.4	100.0
AGK	NM_018238.3	100.0
AGL	NM_000642.2	100.0
AGMAT	NM_024758.4	97.0
AGMO	NM_001004320.1	100.0

AGO1	NM_012199.2	100.0
AGO2	NM_012154.3	100.0
AGO3	NM_024852.3	100.0
AGO4	NM_017629.3	100.0
AGPAT1	NM_006411.3	100.0
AGPAT2	NM_006412.3	100.0
AGPAT3	NM_020132.4	100.0
AGPAT4	NM_020133.2	100.0
AGPAT5	NM_018361.3	100.0
AGPAT6	NM_178819.3	100.0
AGPAT9	NM_032717.4	100.0
AGPS	NM_003659.3	100.0
AGR2	NM_006408.3	100.0
AGR3	NM_176813.3	100.0
AGRN	NM_198576.3	99.7
AGRP	NM_001138.1	100.0
AGT	NM_000029.3	100.0
AGTPBP1	NM_015239.2	100.0
AGTR1	NM_031850.3	100.0
AGTR2	NM_000686.4	100.0
AGTRAP	NM_020350.4	100.0
AGXT	NM_000030.2	100.0
AGXT2	NM_031900.3	100.0
AHCTF1	NM_015446.4	100.0
AHCY	NM_000687.2	100.0
AHCYL1	NM_006621.5	100.0
AHCYL2	NM_015328.3	99.7
AHDC1	NM_001029882.2	100.0
AHI1	NM_017651.4	100.0
AHNAK	NM_001620.2	100.0
AHNAK2	NM_138420.2	98.1
AHR	NM_001621.4	100.0
AHRR	NM_020731.4	100.0
AHSA1	NM_012111.2	100.0
AHSA2	NM_152392.3	100.0
AHSG	NM_001622.2	100.0
AHSP	NM_016633.2	100.0
AICDA	NM_020661.2	100.0
AIDA	NM_022831.2	100.0
AIF1	NM_004847.3	100.0

AIF1L	NM_031426.3	100.0
AIFM1	NM_004208.3	100.0
AIFM2	NM_032797.5	100.0
AIFM3	NM_144704.2	100.0
AIG1	NM_016108.2	100.0
AIM1	NM_001624.2	100.0
AIM1L	NM_001039775.3	100.0
AIM2	NM_004833.1	100.0
AIMP1	NM_004757.3	100.0
AIMP2	NM_006303.3	100.0
AIP	NM_003977.2	100.0
AIPL1	NM_014336.3	100.0
AIRE	NM_000383.3	100.0
AJAP1	NM_018836.3	100.0
AJUBA	NM_032876.4	99.8
AK1	NM_000476.2	100.0
AK2	NM_001625.3	100.0
AK3	NM_016282.3	100.0
AK4	NM_013410.3	100.0
AK5	NM_012093.3	100.0
AK7	NM_152327.3	100.0
AK8	NM_152572.2	100.0
AK9	NM_001145128.2	100.0
AKAP1	NM_003488.3	100.0
AKAP10	NM_007202.3	100.0
AKAP11	NM_016248.3	100.0
AKAP12	NM_005100.3	99.8
AKAP13	NM_007200.4	100.0
AKAP14	NM_178813.5	99.9
AKAP17A	NM_005088.2	50.0
AKAP2	NM_001004065.4	100.0
AKAP3	NM_006422.3	100.0
AKAP4	NM_003886.2	100.0
AKAP5	NM_004857.3	100.0
AKAP6	NM_004274.4	100.0
AKAP7	NM_004842.3	100.0
AKAP8	NM_005858.3	100.0
AKAP8L	NM_014371.2	100.0
AKAP9	NM_005751.4	100.0
AKIP1	NM_020642.3	100.0

AKIRIN1	NM_024595.2	100.0
AKIRIN2	NM_018064.3	100.0
AKNA	NM_030767.4	100.0
AKNAD1	NM_152763.4	100.0
AKR1A1	NM_006066.3	100.0
AKR1B1	NM_001628.2	100.0
AKR1B10	NM_020299.4	100.0
AKR1B15	NM_001080538.2	100.0
AKR1C1	NM_001353.5	100.0
AKR1C2	NM_001354.5	100.0
AKR1C3	NM_003739.5	100.0
AKR1C4	NM_001818.3	100.0
AKR1D1	NM_005989.3	100.0
AKR1E2	NM_001040177.2	100.0
AKR7A2	NM_003689.3	99.6
AKR7A3	NM_012067.2	100.0
AKT1	NM_005163.2	100.0
AKT1S1	NM_032375.5	100.0
AKT2	NM_001626.4	100.0
AKT3	NM_005465.4	100.0
AKTIP	NM_001012398.1	100.0
ALAD	NM_000031.5	100.0
ALAS1	NM_000688.5	100.0
ALAS2	NM_000032.4	100.0
ALB	NM_000477.5	100.0
ALCAM	NM_001627.3	100.0
ALDH16A1	NM_153329.3	100.0
ALDH18A1	NM_002860.3	100.0
ALDH1A1	NM_000689.4	100.0
ALDH1A2	NM_003888.3	100.0
ALDH1A3	NM_000693.2	100.0
ALDH1B1	NM_000692.4	100.0
ALDH1L1	NM_012190.3	100.0
ALDH1L2	NM_001034173.3	100.0
ALDH2	NM_000690.3	100.0
ALDH3A1	NM_000691.4	100.0
ALDH3A2	NM_000382.2	100.0
ALDH3B1	NM_000694.2	100.0
ALDH3B2	NM_000695.3	100.0
ALDH4A1	NM_003748.3	100.0

ALDH5A1	NM_001080.3	98.7
ALDH6A1	NM_005589.3	100.0
ALDH7A1	NM_001182.4	100.0
ALDH8A1	NM_022568.3	100.0
ALDH9A1	NM_000696.3	100.0
ALDOA	NM_000034.3	100.0
ALDOB	NM_000035.3	100.0
ALDOC	NM_005165.2	100.0
ALG1	NM_019109.4	100.0
ALG10	NM_032834.3	100.0
ALG10B	NM_001013620.3	100.0
ALG11	NM_001004127.2	100.0
ALG12	NM_024105.3	100.0
ALG13	NM_001099922.2	100.0
ALG14	NM_144988.3	100.0
ALG1L	NM_001015050.2	100.0
ALG1L2	NM_001136152.1	94.2
ALG2	NM_033087.3	100.0
ALG3	NM_005787.5	100.0
ALG5	NM_013338.4	100.0
ALG6	NM_013339.3	100.0
ALG8	NM_024079.4	100.0
ALG9	NM_024740.2	99.9
ALK	NM_004304.4	100.0
ALKBH1	NM_006020.2	100.0
ALKBH2	NM_001001655.2	100.0
ALKBH3	NM_139178.3	100.0
ALKBH4	NM_017621.3	100.0
ALKBH5	NM_017758.3	99.0
ALKBH6	NM_032878.3	99.2
ALKBH7	NM_032306.3	100.0
ALKBH8	NM_138775.2	100.0
ALLC	NM_018436.3	100.0
ALMS1	NM_015120.4	100.0
ALOX12	NM_000697.2	100.0
ALOX12B	NM_001139.2	100.0
ALOX15	NM_001140.3	100.0
ALOX15B	NM_001141.2	100.0
ALOX5	NM_000698.3	100.0
ALOX5AP	NM_001629.3	100.0

ALOXE3	NM_021628.2	100.0
ALPI	NM_001631.3	100.0
ALPK1	NM_025144.3	100.0
ALPK2	NM_052947.3	100.0
ALPK3	NM_020778.4	99.5
ALPL	NM_000478.4	100.0
ALPP	NM_001632.3	100.0
ALPPL2	NM_031313.2	99.7
ALS2	NM_020919.3	100.0
ALS2CL	NM_147129.3	100.0
ALS2CR11	NM_152525.5	100.0
ALS2CR12	NM_139163.2	100.0
ALX1	NM_006982.2	100.0
ALX3	NM_006492.2	99.9
ALX4	NM_021926.3	99.8
ALYREF	NM_005782.3	91.8
AMACR	NM_014324.5	100.0
AMBN	NM_016519.5	100.0
AMBP	NM_001633.3	100.0
AMBRA1	NM_017749.3	100.0
AMD1	NM_001634.4	100.0
AMDHD1	NM_152435.2	100.0
AMDHD2	NM_015944.3	100.0
AMELX	NM_182680.1	100.0
AMELY*	NM_001143.1	100.0
AMER1	NM_152424.3	100.0
AMER2	NM_152704.2	99.8
AMER3	NM_152698.2	100.0
AMFR	NM_001144.5	99.4
AMH	NM_000479.3	97.0
AMHR2	NM_020547.2	100.0
AMICA1	NM_153206.2	100.0
AMIGO1	NM_020703.2	100.0
AMIGO2	NM_181847.4	100.0
AMIGO3	NM_198722.2	100.0
AMMECR1	NM_015365.2	100.0
AMMECR1L	NM_031445.2	100.0
AMN	NM_030943.3	98.5
AMN1	NM_001113402.1	100.0
AMOT	NM_133265.2	100.0

AMOTL1	NM_130847.2	100.0
AMOTL2	NM_016201.3	100.0
AMPD1	NM_000036.2	100.0
AMPD2	NM_001257360.1	100.0
AMPD3	NM_001025389.1	100.0
AMPH	NM_001635.3	100.0
AMT	NM_000481.3	100.0
AMTN	NM_212557.2	100.0
AMY1A	NM_004038.3	100.0
AMY1B	NM_001008218.1	100.0
AMY1C	NM_001008219.1	100.0
AMY2A	NM_000699.2	100.0
AMY2B	NM_020978.4	100.0
AMZ1	NM_133463.1	100.0
AMZ2	NM_016627.4	100.0
ANAPC1	NM_022662.3	100.0
ANAPC10	NM_014885.4	100.0
ANAPC11	NM_016476.10	100.0
ANAPC13	NM_015391.3	100.0
ANAPC15	NM_014042.2	100.0
ANAPC16	NM_173473.3	100.0
ANAPC2	NM_013366.3	100.0
ANAPC4	NM_013367.2	100.0
ANAPC5	NM_016237.4	100.0
ANAPC7	NM_016238.2	100.0
ANG	NM_001145.4	100.0
ANGEL1	NM_015305.3	100.0
ANGEL2	NM_144567.3	100.0
ANGPT1	NM_001146.3	100.0
ANGPT2	NM_001147.2	100.0
ANGPT4	NM_015985.2	100.0
ANGPTL1	NM_004673.3	100.0
ANGPTL2	NM_012098.2	100.0
ANGPTL3	NM_014495.3	100.0
ANGPTL4	NM_139314.1	100.0
ANGPTL5	NM_178127.4	100.0
ANGPTL6	NM_031917.2	88.6
ANGPTL7	NM_021146.3	100.0
ANHX	NM_001191054.1	100.0
ANK1	NM_000037.3	100.0

ANK2	NM_001148.4	100.0
ANK3	NM_020987.3	100.0
ANKAR	NM_144708.3	100.0
ANKDD1A	NM_182703.3	94.5
ANKDD1B	NM_001276713.1	100.0
ANKEF1	NM_022096.4	100.0
ANKFN1	NM_153228.2	100.0
ANKFY1	NM_016376.3	100.0
ANKH	NM_054027.4	100.0
ANKHD1	NM_017747.2	100.0
ANKHD1-EIF4EBP3	NM_020690.5	100.0
ANKIB1	NM_019004.1	100.0
ANKK1	NM_178510.1	100.0
ANKLE1	NM_152363.5	100.0
ANKLE2	NM_015114.1	99.1
ANKMY1	NM_016552.2	100.0
ANKMY2	NM_020319.2	100.0
ANKRA2	NM_023039.4	100.0
ANKRD1	NM_014391.2	100.0
ANKRD10	NM_017664.2	100.0
ANKRD11	NM_013275.5	100.0
ANKRD12	NM_015208.4	100.0
ANKRD13A	NM_033121.1	100.0
ANKRD13B	NM_152345.4	100.0
ANKRD13C	NM_030816.4	100.0
ANKRD13D	NM_207354.2	100.0
ANKRD16	NM_019046.2	98.3
ANKRD17	NM_032217.3	100.0
ANKRD18A	NM_147195.2	100.0
ANKRD18B	NM_001244752.1	100.0
ANKRD2	NM_020349.2	100.0
ANKRD22	NM_144590.2	100.0
ANKRD23	NM_144994.7	100.0
ANKRD24	NM_133475.1	99.8
ANKRD26	NM_014915.2	100.0
ANKRD27	NM_032139.2	100.0
ANKRD28	NM_015199.3	100.0
ANKRD29	NM_173505.2	100.0
ANKRD30A	NM_052997.2	100.0
ANKRD30B	NM_001145029.1	100.0

ANKRD31	NM_001164443.1	100.0
ANKRD32	NM_032290.3	100.0
ANKRD33	NM_182608.3	100.0
ANKRD33B	NM_001164440.1	99.9
ANKRD34A	NM_001039888.3	100.0
ANKRD34B	NM_001004441.2	100.0
ANKRD34C	NM_001146341.1	100.0
ANKRD35	NM_144698.4	100.0
ANKRD36	NM_001164315.1	99.2
ANKRD36B	NM_025190.3	97.6
ANKRD36C	XM_001717763.6	99.9
ANKRD37	NM_181726.2	100.0
ANKRD39	NM_016466.5	100.0
ANKRD40	NM_052855.3	100.0
ANKRD42	NM_182603.2	100.0
ANKRD44	NM_001195144.1	100.0
ANKRD45	NM_198493.2	100.0
ANKRD46	NM_198401.3	100.0
ANKRD49	NM_017704.2	100.0
ANKRD50	NM_001167882.1	100.0
ANKRD52	NM_173595.3	100.0
ANKRD53	NM_024933.3	100.0
ANKRD54	NM_138797.2	99.2
ANKRD55	NM_024669.2	100.0
ANKRD6	NM_001242809.1	100.0
ANKRD60	XM_001134442.6	75.8
ANKRD61	NM_001271700.1	100.0
ANKRD62	NM_001277333.1	100.0
ANKRD63	NM_001190479.1	90.3
ANKRD65	NM_001145210.2	76.5
ANKRD66	NM_001162435.2	100.0
ANKRD7	NM_019644.3	100.0
ANKRD9	NM_152326.2	89.7
ANKS1A	NM_015245.2	99.4
ANKS1B	NM_152788.4	100.0
ANKS3	NM_133450.3	100.0
ANKS4B	NM_145865.2	100.0
ANKS6	NM_173551.3	94.8
ANKUB1	NM_001144960.1	100.0
ANKZF1	NM_018089.2	100.0

ANLN	NM_018685.2	100.0
ANO1	NM_018043.5	100.0
ANO10	NM_018075.3	100.0
ANO2	NM_001278596.1	100.0
ANO3	NM_031418.2	100.0
ANO4	NM_178826.3	100.0
ANO5	NM_213599.2	100.0
ANO6	NM_001025356.2	100.0
ANO7	NM_001001891.3	100.0
ANO8	NM_020959.2	95.9
ANO9	NM_001012302.2	100.0
ANP32A	NM_006305.3	100.0
ANP32B	NM_006401.2	100.0
ANP32C	NM_012403.1	100.0
ANP32D	NM_012404.2	100.0
ANP32E	NM_030920.4	100.0
ANPEP	NM_001150.2	100.0
ANTXR1	NM_032208.2	100.0
ANTXR2	NM_058172.5	100.0
ANTXRL	NM_001278688.1	100.0
ANXA1	NM_000700.1	100.0
ANXA10	NM_007193.4	100.0
ANXA11	NM_001157.2	100.0
ANXA13	NM_004306.2	100.0
ANXA2	NM_004039.2	100.0
ANXA2R	NM_001014279.2	100.0
ANXA3	NM_005139.2	100.0
ANXA4	NM_001153.3	100.0
ANXA5	NM_001154.3	100.0
ANXA6	NM_001155.4	100.0
ANXA7	NM_001156.3	100.0
ANXA8	NM_001040084.2	100.0
ANXA8L1	NM_001098845.2	97.9
ANXA8L2	NM_001630.2	98.3
ANXA9	NM_003568.2	100.0
AOAH	NM_001637.3	100.0
AOC1	NM_001091.3	100.0
AOC2	NM_001158.3	100.0
AOC3	NM_003734.3	100.0
AOX1	NM_001159.3	100.0

AP1AR	NM_018569.4	100.0
AP1B1	NM_001127.3	100.0
AP1G1	NM_001128.5	100.0
AP1G2	NM_003917.2	100.0
AP1M1	NM_032493.3	100.0
AP1M2	NM_005498.4	100.0
AP1S1	NM_001283.3	100.0
AP1S2	NM_003916.4	100.0
AP1S3	NM_001039569.1	100.0
AP2A1	NM_014203.2	100.0
AP2A2	NM_012305.3	100.0
AP2B1	NM_001282.2	100.0
AP2M1	NM_004068.3	100.0
AP2S1	NM_004069.3	100.0
AP3B1	NM_003664.4	100.0
AP3B2	NM_004644.4	100.0
AP3D1	NM_001261826.1	100.0
AP3M1	NM_012095.4	100.0
AP3M2	NM_006803.3	100.0
AP3S1	NM_001284.2	100.0
AP3S2	NM_005829.4	100.0
AP4B1	NM_006594.3	100.0
AP4E1	NM_007347.4	100.0
AP4M1	NM_004722.3	100.0
AP4S1	NM_007077.4	100.0
AP5B1	NM_138368.4	100.0
AP5M1	NM_018229.3	100.0
AP5S1	NM_018347.2	100.0
AP5Z1	NM_014855.2	100.0
APAF1	NM_181861.1	100.0
APBA1	NM_001163.3	100.0
APBA2	NM_005503.3	100.0
APBA3	NM_004886.3	100.0
APBB1	NM_001164.3	100.0
APBB1IP	NM_019043.3	97.9
APBB2	NM_004307.1	100.0
APBB3	NM_133173.2	100.0
APC	NM_000038.5	100.0
APC2	NM_005883.2	97.7
APCDD1	NM_153000.4	100.0

APCDD1L	NM_153360.1	99.6
APCS	NM_001639.3	100.0
APEH	NM_001640.3	100.0
APEX1	NM_001641.3	100.0
APEX2	NM_014481.3	100.0
APH1A	NM_001077628.2	100.0
APH1B	NM_031301.3	100.0
API5	NM_006595.3	100.0
APIP	NM_015957.2	100.0
APITD1	NM_199294.2	100.0
APITD1-CORT	NM_198544.3	100.0
APLF	NM_173545.2	100.0
APLN	NM_017413.4	100.0
APLNR	NM_005161.4	100.0
APLP1	NM_005166.3	99.8
APLP2	NM_001642.2	100.0
APMAP	NM_020531.2	100.0
APOA1	NM_000039.1	100.0
APOA1BP	NM_144772.2	100.0
APOA2	NM_001643.1	100.0
APOA4	NM_000482.3	100.0
APOA5	NM_052968.4	100.0
APOB	NM_000384.2	99.8
APOBEC1	NM_001644.3	100.0
APOBEC2	NM_006789.3	100.0
APOBEC3A	NM_145699.3	99.6
APOBEC3B	NM_004900.4	98.2
APOBEC3C	NM_014508.2	100.0
APOBEC3D	NM_152426.3	100.0
APOBEC3F	NM_145298.5	100.0
APOBEC3G	NM_021822.3	100.0
APOBEC3H	NM_181773.3	100.0
APOBEC4	NM_203454.2	100.0
APOBR	NM_018690.3	100.0
APOC1	NM_001645.3	100.0
APOC2	NM_000483.4	100.0
APOC3	NM_000040.1	100.0
APOC4	NM_001646.2	100.0
APOD	NM_001647.3	100.0
APOE	NM_000041.2	99.3

APOF	NM_001638.2	100.0
APOH	NM_000042.2	100.0
APOL1	NM_003661.3	100.0
APOL2	NM_030882.2	100.0
APOL3	NM_145640.2	100.0
APOL4	NM_030643.3	100.0
APOL5	NM_030642.1	100.0
APOL6	NM_030641.3	100.0
APOLD1	NM_030817.2	97.9
APOM	NM_019101.2	100.0
APOO	NM_024122.4	100.0
APOOL	NM_198450.5	100.0
APOPT1	NM_032374.3	100.0
APP	NM_000484.3	100.0
APPBP2	NM_006380.2	100.0
APPL1	NM_012096.2	100.0
APPL2	NM_018171.3	100.0
APRT	NM_000485.2	100.0
APTX	NM_175073.2	100.0
AQP1	NM_198098.2	100.0
AQP10	NM_080429.2	100.0
AQP11	NM_173039.2	100.0
AQP12A	NM_198998.2	99.1
AQP12B	NM_001102467.1	100.0
AQP2	NM_000486.5	100.0
AQP3	NM_004925.4	100.0
AQP4	NM_001650.4	100.0
AQP5	NM_001651.3	100.0
AQP6	NM_001652.3	100.0
AQP7	NM_001170.1	100.0
AQP8	NM_001169.2	100.0
AQP9	NM_020980.3	100.0
AQPEP	NM_173800.4	100.0
AQR	NM_014691.2	100.0
AR	NM_000044.3	98.5
ARAF	NM_001654.4	100.0
ARAP1	NM_015242.4	100.0
ARAP2	NM_015230.3	100.0
ARAP3	NM_022481.5	100.0
ARC	NM_015193.4	100.0

ARCN1	NM_001655.4	100.0
AREG	NM_001657.2	100.0
AREGB	XM_001125684.5	93.1
AREL1	NM_001039479.1	100.0
ARF1	NM_001658.3	100.0
ARF3	NM_001659.2	100.0
ARF4	NM_001660.3	100.0
ARF5	NM_001662.3	100.0
ARF6	NM_001663.3	100.0
ARFGAP1	NM_018209.3	100.0
ARFGAP2	NM_032389.4	100.0
ARFGAP3	NM_014570.4	100.0
ARFGEF1	NM_006421.4	100.0
ARFGEF2	NM_006420.2	100.0
ARFIP1	NM_014447.2	100.0
ARFIP2	NM_012402.3	100.0
ARFRP1	NM_003224.4	100.0
ARG1	NM_000045.3	100.0
ARG2	NM_001172.3	100.0
ARGFX	NM_001012659.1	87.7
ARGLU1	NM_018011.3	100.0
ARHGAP1	NM_004308.3	100.0
ARHGAP10	NM_024605.3	100.0
ARHGAP11A	NM_014783.3	100.0
ARHGAP11B	NM_001039841.1	100.0
ARHGAP12	NM_018287.6	100.0
ARHGAP15	NM_018460.3	100.0
ARHGAP17	NM_018054.4	100.0
ARHGAP18	NM_033515.2	100.0
ARHGAP19	NM_032900.5	100.0
ARHGAP20	NM_020809.3	100.0
ARHGAP21	NM_020824.3	100.0
ARHGAP22	NM_021226.3	100.0
ARHGAP23	NM_001199417.1	97.0
ARHGAP24	NM_001025616.2	100.0
ARHGAP25	NM_014882.2	100.0
ARHGAP26	NM_015071.4	100.0
ARHGAP27	NM_174919.3	84.0
ARHGAP28	NM_001010000.2	100.0
ARHGAP29	NM_004815.3	100.0

ARHGAP30	NM_181720.2	100.0
ARHGAP31	NM_020754.2	100.0
ARHGAP32	NM_014715.3	100.0
ARHGAP33	NM_052948.3	100.0
ARHGAP35	NM_004491.4	100.0
ARHGAP36	NM_144967.3	100.0
ARHGAP39	NM_025251.1	100.0
ARHGAP4	NM_001666.4	99.9
ARHGAP40	NM_001164431.1	100.0
ARHGAP42	NM_152432.2	84.5
ARHGAP44	NM_014859.4	100.0
ARHGAP5	NM_001030055.1	100.0
ARHGAP6	NM_013427.2	100.0
ARHGAP8	NM_181335.2	100.0
ARHGAP9	NM_032496.2	100.0
ARHGDIA	NM_001185077.1	100.0
ARHGDIB	NM_001175.4	100.0
ARHGDIG	NM_001176.3	99.6
ARHGEF1	NM_004706.3	100.0
ARHGEF10	NM_014629.2	100.0
ARHGEF10L	NM_018125.3	100.0
ARHGEF11	NM_014784.3	100.0
ARHGEF12	NM_015313.2	100.0
ARHGEF15	NM_173728.3	100.0
ARHGEF16	NM_014448.3	100.0
ARHGEF17	NM_014786.3	99.3
ARHGEF18	NM_015318.3	99.9
ARHGEF19	NM_153213.3	100.0
ARHGEF2	NM_004723.3	100.0
ARHGEF25	NM_182947.3	100.0
ARHGEF26	NM_015595.3	100.0
ARHGEF28	NM_001080479.2	100.0
ARHGEF3	NM_019555.2	100.0
ARHGEF33	NM_001145451.2	97.8
ARHGEF35	NM_001003702.2	99.5
ARHGEF37	NM_001001669.2	100.0
ARHGEF38	NM_017700.1	100.0
ARHGEF39	NM_032818.2	100.0
ARHGEF4	NM_015320.3	100.0
ARHGEF40	NM_018071.4	100.0

ARHGEF5	NM_005435.3	99.9
ARHGEF6	NM_004840.2	100.0
ARHGEF7	NM_001113511.1	100.0
ARHGEF9	NM_015185.2	100.0
ARID1A	NM_006015.4	99.9
ARID1B	NM_020732.3	98.3
ARID2	NM_152641.2	100.0
ARID3A	NM_005224.2	100.0
ARID3B	NM_006465.2	100.0
ARID3C	NM_001017363.1	100.0
ARID4A	NM_002892.3	100.0
ARID4B	NM_016374.5	100.0
ARID5A	NM_212481.1	100.0
ARID5B	NM_032199.2	100.0
ARIH1	NM_005744.3	100.0
ARIH2	NM_006321.2	100.0
ARIH2OS	NM_001123040.1	99.3
ARL1	NM_001177.4	100.0
ARL10	NM_173664.4	98.8
ARL11	NM_138450.5	100.0
ARL13A	NM_001162491.1	100.0
ARL13B	NM_182896.2	100.0
ARL14	NM_025047.2	100.0
ARL14EP	NM_152316.1	100.0
ARL14EPL	NM_001195581.1	100.0
ARL15	NM_019087.2	100.0
ARL16	NM_001040025.1	100.0
ARL17A	NM_016632.2	89.5
ARL17B	NM_001039083.3	100.0
ARL2	NM_001667.3	100.0
ARL2BP	NM_012106.3	100.0
ARL3	NM_004311.3	100.0
ARL4A	NM_005738.4	100.0
ARL4C	NM_005737.3	100.0
ARL4D	NM_001661.3	100.0
ARL5A	NM_012097.3	100.0
ARL5B	NM_178815.3	100.0
ARL5C	NM_001143968.1	100.0
ARL6	NM_177976.2	100.0
ARL6IP1	NM_015161.1	100.0

ARL6IP4	NM_016638.3	98.4
ARL6IP5	NM_006407.3	100.0
ARL6IP6	NM_152522.5	100.0
ARL8A	NM_138795.3	100.0
ARL8B	NM_018184.2	100.0
ARL9	NM_206919.1	100.0
ARMC1	NM_018120.4	100.0
ARMC10	NM_031905.4	99.9
ARMC12	NM_145028.3	100.0
ARMC2	NM_032131.4	100.0
ARMC3	NM_173081.3	100.0
ARMC4	NM_018076.2	100.0
ARMC5	NM_001105247.1	100.0
ARMC6	NM_033415.3	100.0
ARMC7	NM_024585.2	100.0
ARMC8	NM_014154.3	100.0
ARMC9	NM_025139.4	100.0
ARMCX1	NM_016608.1	100.0
ARMCX2	NM_014782.5	100.0
ARMCX3	NM_016607.3	100.0
ARMCX4	NM_001256155.1	100.0
ARMCX5	NM_022838.3	100.0
ARMCX5-GPRASP2	NM_001199818.1	100.0
ARMCX6	NM_019007.3	100.0
ARMS2	NM_001099667.1	100.0
ARNT	NM_001668.3	100.0
ARNT2	NM_014862.3	100.0
ARNTL	NM_001178.4	100.0
ARNTL2	NM_020183.4	100.0
ARPC1A	NM_006409.3	100.0
ARPC1B	NM_005720.3	100.0
ARPC2	NM_005731.3	100.0
ARPC3	NM_005719.2	100.0
ARPC4	NM_005718.4	100.0
ARPC4-TTLL3	NM_001198793.1	100.0
ARPC5	NM_005717.3	100.0
ARPC5L	NM_030978.1	100.0
ARPP19	NM_006628.4	100.0
ARPP21	NM_016300.4	100.0
ARR3	NM_004312.2	100.0

ARRB1	NM_004041.4	100.0
ARRB2	NM_004313.3	100.0
ARRDC1	NM_152285.2	100.0
ARRDC2	NM_015683.1	100.0
ARRDC3	NM_020801.2	100.0
ARRDC4	NM_183376.2	100.0
ARRDC5	NM_001080523.1	100.0
ARSA	NM_000487.5	100.0
ARSB	NM_000046.3	100.0
ARSD	NM_001669.3	99.9
ARSE	NM_000047.2	100.0
ARSF	NM_004042.4	100.0
ARSG	NM_014960.4	100.0
ARSH	NM_001011719.1	100.0
ARSI	NM_001012301.2	100.0
ARSJ	NM_024590.3	100.0
ARSK	NM_198150.2	100.0
ART1	NM_004314.2	100.0
ART3	NM_001179.5	100.0
ART4	NM_021071.2	100.0
ART5	NM_053017.3	100.0
ARTN	NM_057090.2	90.2
ARV1	NM_022786.1	100.0
ARVCF	NM_001670.2	100.0
ARX	NM_139058.2	89.7
AS3MT	NM_020682.3	100.0
ASAH1	NM_177924.3	100.0
ASAH2	NM_019893.2	97.8
ASAH2B	NM_001079516.2	100.0
ASAP1	NM_018482.3	100.0
ASAP2	NM_003887.2	100.0
ASAP3	NM_017707.3	100.0
ASB1	NM_001040445.1	100.0
ASB10	NM_001142459.1	100.0
ASB11	NM_080873.2	100.0
ASB12	NM_130388.3	100.0
ASB13	NM_024701.3	99.3
ASB14	NM_130387.5	100.0
ASB15	NM_080928.3	100.0
ASB16	NM_080863.4	99.3

ASB17	NM_080868.2	100.0
ASB18	NM_212556.2	86.9
ASB2	NM_016150.4	100.0
ASB3	NM_016115.4	100.0
ASB4	NM_016116.2	100.0
ASB5	NM_080874.3	100.0
ASB6	NM_017873.3	100.0
ASB7	NM_024708.3	100.0
ASB8	NM_024095.3	100.0
ASB9	NM_024087.2	100.0
ASCC1	NM_001198800.2	100.0
ASCC2	NM_032204.4	100.0
ASCC3	NM_006828.2	100.0
ASCL1	NM_004316.3	98.0
ASCL2	NM_005170.2	93.0
ASCL3	NM_020646.1	100.0
ASCL4	NM_203436.2	100.0
ASF1A	NM_014034.2	100.0
ASF1B	NM_018154.2	100.0
ASGR1	NM_001671.4	100.0
ASGR2	NM_001181.4	100.0
ASH1L	NM_018489.2	100.0
ASH2L	NM_004674.4	100.0
ASIC1	NM_001095.3	100.0
ASIC2	NM_183377.1	92.8
ASIC3	NM_020322.3	100.0
ASIC4	NM_182847.2	100.0
ASIC5	NM_017419.2	100.0
ASIP	NM_001672.2	100.0
ASL	NM_000048.3	100.0
ASMT	NM_004043.2	46.3
ASMTL	NM_004192.3	50.0
ASNA1	NM_004317.2	100.0
ASNS	NM_133436.3	100.0
ASNSD1	NM_019048.2	100.0
ASPA	NM_000049.2	100.0
ASPDH	NM_001024656.2	100.0
ASPG	NM_001080464.2	100.0
ASPH	NM_004318.3	100.0
ASPHD1	NM_181718.3	100.0

ASPHD2	NM_020437.4	100.0
ASPM	NM_018136.4	100.0
ASPN	NM_017680.4	100.0
ASPRV1	NM_152792.2	100.0
ASPSCR1	NM_024083.3	99.9
ASRGL1	NM_025080.3	100.0
ASS1	NM_000050.4	100.0
ASTE1	NM_014065.2	100.0
ASTL	NM_001002036.3	100.0
ASTN1	NM_004319.1	100.0
ASUN	NM_018164.2	100.0
ASXL1	NM_015338.5	100.0
ASXL2	NM_018263.4	100.0
ASXL3	NM_030632.1	100.0
ASZ1	NM_130768.2	100.0
ATAD1	NM_032810.2	100.0
ATAD2	NM_014109.3	100.0
ATAD2B	NM_017552.2	100.0
ATAD3A	NM_018188.3	97.6
ATAD3B	NM_031921.4	97.9
ATAD3C	NM_001039211.2	100.0
ATAD5	NM_024857.3	100.0
ATAT1	NM_024909.2	100.0
ATCAY	NM_033064.4	100.0
ATE1	NM_001001976.1	100.0
ATF1	NM_005171.4	100.0
ATF2	NM_001880.3	100.0
ATF3	NM_001674.3	100.0
ATF4	NM_001675.2	100.0
ATF5	NM_012068.5	100.0
ATF6	NM_007348.3	100.0
ATF6B	NM_004381.4	100.0
ATF7	NM_006856.2	100.0
ATF7IP	NM_018179.3	100.0
ATF7IP2	NM_024997.3	100.0
ATG10	NM_001131028.1	100.0
ATG12	NM_004707.3	100.0
ATG13	NM_014741.4	100.0
ATG14	NM_014924.4	100.0
ATG16L1	NM_017974.3	100.0

ATG16L2	NM_033388.1	100.0
ATG2A	NM_015104.2	100.0
ATG2B	NM_018036.5	100.0
ATG3	NM_022488.4	100.0
ATG4A	NM_052936.3	100.0
ATG4B	NM_013325.4	100.0
ATG4C	NM_032852.3	100.0
ATG4D	NM_032885.5	97.5
ATG5	NM_004849.2	100.0
ATG7	NM_006395.2	100.0
ATG9A	NM_024085.3	100.0
ATG9B	NM_173681.5	97.7
ATHL1	NM_025092.4	100.0
ATIC	NM_004044.6	100.0
ATL1	NM_015915.4	100.0
ATL2	NM_022374.2	100.0
ATL3	NM_015459.3	100.0
ATM	NM_000051.3	100.0
ATMIN	NM_015251.2	94.1
ATN1	NM_001007026.1	100.0
ATOH1	NM_005172.1	100.0
ATOH7	NM_145178.3	87.5
ATOH8	NM_032827.6	99.9
ATOX1	NM_004045.3	100.0
ATP10A	NM_024490.3	99.2
ATP10B	NM_025153.2	100.0
ATP10D	NM_020453.3	100.0
ATP11A	NM_015205.2	100.0
ATP11B	NM_014616.2	100.0
ATP11C	NM_173694.4	100.0
ATP12A	NM_001676.5	100.0
ATP13A1	NM_020410.2	100.0
ATP13A2	NM_022089.2	100.0
ATP13A3	NM_024524.3	100.0
ATP13A4	NM_032279.2	100.0
ATP13A5	NM_198505.2	100.0
ATP1A1	NM_000701.7	100.0
ATP1A2	NM_000702.3	100.0
ATP1A3	NM_152296.4	100.0
ATP1A4	NM_144699.3	100.0

ATP1B1	NM_001677.3	100.0
ATP1B2	NM_001678.3	100.0
ATP1B3	NM_001679.2	100.0
ATP1B4	NM_001142447.2	100.0
ATP2A1	NM_173201.3	100.0
ATP2A2	NM_001681.3	100.0
ATP2A3	NM_174953.2	98.4
ATP2B1	NM_001682.2	100.0
ATP2B2	NM_001683.3	100.0
ATP2B3	NM_001001344.2	100.0
ATP2B4	NM_001001396.2	100.0
ATP2C1	NM_014382.3	100.0
ATP2C2	NM_014861.2	100.0
ATP4A	NM_000704.2	100.0
ATP4B	NM_000705.3	100.0
ATP5A1	NM_001001937.1	100.0
ATP5B	NM_001686.3	100.0
ATP5C1	NM_005174.2	100.0
ATP5D	NM_001687.4	98.8
ATP5E	NM_006886.3	100.0
ATP5F1	NM_001688.4	100.0
ATP5G1	NM_005175.2	100.0
ATP5G2	NM_005176.5	100.0
ATP5G3	NM_001689.4	100.0
ATP5H	NM_006356.2	100.0
ATP5I	NM_007100.3	100.0
ATP5J	NM_001685.4	100.0
ATP5J2	NM_004889.3	100.0
ATP5J2-PTCD1	NM_001198879.1	100.0
ATP5L	NM_006476.4	100.0
ATP5L2	NM_001165877.1	100.0
ATP5O	NM_001697.2	100.0
ATP5S	NM_015684.3	100.0
ATP5SL	NM_018035.2	100.0
ATP6AP1	NM_001183.4	99.9
ATP6AP1L	NM_001017971.1	100.0
ATP6AP2	NM_005765.2	100.0
ATP6V0A1	NM_001130020.1	100.0
ATP6V0A2	NM_012463.3	100.0
ATP6V0A4	NM_020632.2	100.0

ATP6V0B	NM_004047.3	100.0
ATP6V0C	NM_001198569.1	100.0
ATP6V0D1	NM_004691.4	100.0
ATP6V0D2	NM_152565.1	100.0
ATP6V0E1	NM_003945.3	100.0
ATP6V0E2	NM_145230.2	100.0
ATP6V1A	NM_001690.3	100.0
ATP6V1B1	NM_001692.3	100.0
ATP6V1B2	NM_001693.3	100.0
ATP6V1C1	NM_001695.4	100.0
ATP6V1C2	NM_144583.3	100.0
ATP6V1D	NM_015994.3	100.0
ATP6V1E1	NM_001696.3	100.0
ATP6V1E2	NM_080653.3	100.0
ATP6V1F	NM_004231.3	100.0
ATP6V1G1	NM_004888.3	100.0
ATP6V1G2	NM_130463.3	100.0
ATP6V1G3	NM_133262.2	100.0
ATP6V1H	NM_015941.3	100.0
ATP7A	NM_000052.5	100.0
ATP7B	NM_000053.3	100.0
ATP8A1	NM_006095.2	100.0
ATP8A2	NM_016529.4	100.0
ATP8B1	NM_005603.4	100.0
ATP8B2	NM_020452.3	100.0
ATP8B3	NM_138813.3	100.0
ATP8B4	NM_024837.3	100.0
ATP9A	NM_006045.1	100.0
ATP9B	NM_198531.3	100.0
ATPAF1	NM_022745.4	98.1
ATPAF2	NM_145691.3	100.0
ATPIF1	NM_016311.4	100.0
ATR	NM_001184.3	100.0
ATRAID	NM_016085.4	100.0
ATRIP	NM_130384.2	99.9
ATRN	NM_139321.2	100.0
ATRN1	NM_207303.2	100.0
ATRX	NM_000489.3	100.0
ATXN1	NM_000332.3	100.0
ATXN10	NM_013236.3	100.0

ATXN1L	NM_001137675.3	100.0
ATXN2	NM_002973.3	97.8
ATXN2L	NM_007245.3	99.1
ATXN3	NM_004993.5	100.0
ATXN3L	NM_001135995.1	100.0
ATXN7	NM_000333.3	96.6
ATXN7L1	NM_020725.1	100.0
ATXN7L2	NM_153340.4	100.0
ATXN7L3	NM_020218.1	100.0
ATXN7L3B	NM_001136262.1	100.0
AUH	NM_001698.2	99.8
AUNIP	NM_024037.1	100.0
AUP1	NM_181575.3	100.0
AURKA	NM_198433.1	100.0
AURKAIP1	NM_017900.2	100.0
AURKB	NM_004217.3	100.0
AURKC	NM_001015878.1	100.0
AUTS2	NM_015570.2	99.8
AVEN	NM_020371.2	87.5
AVIL	NM_006576.3	100.0
AVL9	NM_015060.1	100.0
AVP	NM_000490.4	95.5
AVPI1	NM_021732.2	100.0
AVPR1A	NM_000706.4	100.0
AVPR1B	NM_000707.3	100.0
AVPR2	NM_000054.4	100.0
AWAT1	NM_001013579.2	100.0
AWAT2	NM_001002254.1	100.0
AXDND1	NM_144696.5	100.0
AXIN1	NM_003502.3	100.0
AXIN2	NM_004655.3	100.0
AXL	NM_021913.4	100.0
AZGP1	NM_001185.3	100.0
AZI1	NM_014984.2	100.0
AZI2	NM_022461.4	100.0
AZIN1	NM_015878.4	100.0
AZU1	NM_001700.3	100.0
B2M	NM_004048.2	100.0
B3GALNT1	NM_003781.3	100.0
B3GALNT2	NM_152490.3	99.8

B3GALT1	NM_020981.3	100.0
B3GALT2	NM_003783.3	100.0
B3GALT4	NM_003782.3	100.0
B3GALT5	NM_006057.2	100.0
B3GALT6	NM_080605.3	75.9
B3GALTL	NM_194318.3	100.0
B3GAT2	NM_080742.2	99.5
B3GAT3	NM_012200.3	100.0
B3GNT1	NM_006876.2	100.0
B3GNT2	NM_006577.5	100.0
B3GNT3	NM_014256.3	100.0
B3GNT4	NM_030765.2	100.0
B3GNT5	NM_032047.4	100.0
B3GNT6	NM_138706.4	99.7
B3GNT7	NM_145236.2	100.0
B3GNT8	NM_198540.2	100.0
B3GNT9	NM_033309.2	99.9
B3GNTL1	NM_001009905.1	100.0
B4GALNT1	NM_001478.4	100.0
B4GALNT2	NM_153446.2	100.0
B4GALNT3	NM_173593.3	100.0
B4GALNT4	NM_178537.4	99.3
B4GALT1	NM_001497.3	100.0
B4GALT2	NM_003780.4	100.0
B4GALT3	NM_003779.3	100.0
B4GALT4	NM_003778.3	100.0
B4GALT5	NM_004776.3	100.0
B4GALT6	NM_004775.3	100.0
B4GALT7	NM_007255.2	100.0
B9D1	NM_015681.3	100.0
B9D2	NM_030578.3	100.0
BAALC	NM_024812.2	100.0
BAAT	NM_001701.3	100.0
BABAM1	NM_001033549.1	100.0
BACE1	NM_012104.4	100.0
BACE2	NM_012105.4	98.6
BACH1	NM_001186.2	100.0
BACH2	NM_021813.2	100.0
BAD	NM_004322.3	100.0
BAG1	NM_004323.5	99.8

BAG2	NM_004282.3	100.0
BAG3	NM_004281.3	100.0
BAG4	NM_004874.3	100.0
BAG5	NM_004873.3	100.0
BAG6	NM_004639.3	100.0
BAGE2	NM_182482.2	82.3
BAHCC1	NM_001080519.2	99.2
BAHD1	NM_014952.3	100.0
BAI1	NM_001702.2	99.8
BAI2	NM_001703.2	100.0
BAI3	NM_001704.2	100.0
BAIAP2	NM_017451.2	100.0
BAIAP2L1	NM_018842.4	100.0
BAIAP2L2	NM_025045.4	99.4
BAIAP3	NM_003933.4	100.0
BAK1	NM_001188.3	100.0
BAMBI	NM_012342.2	100.0
BANF1	NM_001143985.1	100.0
BANF2	NM_178477.4	100.0
BANK1	NM_017935.4	100.0
BANP	NM_017869.3	100.0
BAP1	NM_004656.3	100.0
BARD1	NM_000465.2	100.0
BARHL1	NM_020064.3	99.2
BARHL2	NM_020063.1	100.0
BARX1	NM_021570.3	95.9
BARX2	NM_003658.4	100.0
BASP1	NM_006317.4	99.5
BATF	NM_006399.3	100.0
BATF2	NM_138456.3	100.0
BATF3	NM_018664.2	100.0
BAX	NM_138761.3	100.0
BAZ1A	NM_013448.2	100.0
BAZ1B	NM_032408.3	100.0
BAZ2A	NM_013449.3	100.0
BAZ2B	NM_013450.2	100.0
BBC3	NM_014417.4	98.2
BBIP1	NM_001195306.1	100.0
BBOX1	NM_003986.2	100.0
BBS1	NM_024649.4	100.0

BBS10	NM_024685.3	100.0
BBS12	NM_152618.2	100.0
BBS2	NM_031885.3	100.0
BBS4	NM_033028.4	100.0
BBS5	NM_152384.2	100.0
BBS7	NM_176824.2	100.0
BBS9	NM_198428.2	100.0
BBX	NM_020235.6	100.0
BCAM	NM_005581.4	100.0
BCAN	NM_021948.4	100.0
BCAP29	NM_018844.3	100.0
BCAP31	NM_001139441.1	100.0
BCAR1	NM_014567.3	100.0
BCAR3	NM_003567.3	100.0
BCAS1	NM_003657.2	100.0
BCAS2	NM_005872.2	100.0
BCAS3	NM_017679.3	100.0
BCAS4	NM_017843.3	84.6
BCAT1	NM_005504.6	100.0
BCAT2	NM_001190.3	100.0
BCCIP	NM_078468.2	100.0
BCDIN3D	NM_181708.2	100.0
BCHE	NM_000055.2	100.0
BCKDHA	NM_000709.3	100.0
BCKDHB	NM_183050.2	100.0
BCKDK	NM_005881.3	100.0
BCL10	NM_003921.4	100.0
BCL11A	NM_022893.3	100.0
BCL11B	NM_022898.1	98.3
BCL2	NM_000633.2	100.0
BCL2A1	NM_004049.3	100.0
BCL2L1	NM_001191.2	100.0
BCL2L10	NM_020396.2	100.0
BCL2L11	NM_138621.4	100.0
BCL2L12	NM_138639.1	100.0
BCL2L13	NM_015367.3	100.0
BCL2L14	NM_030766.1	100.0
BCL2L15	NM_001010922.2	100.0
BCL2L2	NM_004050.4	100.0
BCL2L2-PABPN1	NM_001199864.1	100.0

BCL3	NM_005178.4	95.0
BCL6	NM_001706.4	100.0
BCL6B	NM_181844.3	100.0
BCL7A	NM_020993.3	100.0
BCL7B	NM_001707.3	100.0
BCL7C	NM_004765.2	100.0
BCL9	NM_004326.3	100.0
BCL9L	NM_182557.2	100.0
BCLAF1	NM_014739.2	100.0
BCMO1	NM_017429.2	100.0
BCO2	NM_031938.5	100.0
BCOR	NM_017745.5	100.0
BCORL1	NM_021946.4	100.0
BCR	NM_004327.3	98.7
BCS1L	NM_004328.4	100.0
BDH1	NM_004051.4	100.0
BDH2	NM_020139.3	100.0
BDKRB1	NM_000710.3	100.0
BDKRB2	NM_000623.3	100.0
BDNF	NM_170735.5	100.0
BDP1	NM_018429.2	100.0
BECN1	NM_003766.3	100.0
BEGAIN	NM_020836.3	100.0
BEND2	NM_153346.4	94.3
BEND3	NM_001080450.2	100.0
BEND4	NM_207406.3	98.3
BEND5	NM_024603.2	100.0
BEND6	NM_152731.2	100.0
BEND7	NM_152751.2	100.0
BEST1	NM_004183.3	100.0
BEST2	NM_017682.2	100.0
BEST3	NM_032735.2	100.0
BEST4	NM_153274.2	100.0
BET1	NM_005868.4	100.0
BET1L	NM_016526.4	100.0
BEX1	NM_018476.3	100.0
BEX2	NM_032621.3	100.0
BEX4	NM_001080425.3	100.0
BEX5	NM_001012978.2	100.0
BFAR	NM_016561.2	100.0

BFSP1	NM_001195.3	98.5
BFSP2	NM_003571.2	100.0
BGLAP	NM_199173.4	100.0
BGN	NM_001711.4	100.0
BHLHA15	NM_177455.3	99.9
BHLHA9	NM_001164405.1	82.7
BHLHB9	NM_030639.2	100.0
BHLHE22	NM_152414.4	96.9
BHLHE23	NM_080606.3	87.5
BHLHE40	NM_003670.2	100.0
BHLHE41	NM_030762.2	90.4
BHMT	NM_001713.2	100.0
BHMT2	NM_017614.4	100.0
BICC1	NM_001080512.1	100.0
BICD1	NM_001714.2	100.0
BICD2	NM_001003800.1	100.0
BID	NM_001196.3	100.0
BIK	NM_001197.4	100.0
BIN1	NM_139343.2	100.0
BIN2	NM_016293.2	100.0
BIN3	NM_018688.4	100.0
BIRC2	NM_001166.4	100.0
BIRC3	NM_001165.4	100.0
BIRC5	NM_001168.2	100.0
BIRC6	NM_016252.3	100.0
BIRC7	NM_022161.3	100.0
BIRC8	NM_033341.4	100.0
BIVM	NM_017693.3	100.0
BIVM-ERCC5	NM_001204425.1	100.0
BLCAP	NM_006698.3	100.0
BLID	NM_001001786.2	100.0
BLK	NM_001715.2	100.0
BLM	NM_000057.2	100.0
BLMH	NM_000386.3	100.0
BLNK	NM_013314.3	100.0
BLOC1S1	NM_001487.3	100.0
BLOC1S2	NM_173809.4	100.0
BLOC1S3	NM_212550.3	94.2
BLOC1S4	NM_018366.2	97.3
BLOC1S5	NM_201280.2	100.0

BLOC1S6	NM_012388.2	100.0
BLVRA	NM_000712.3	100.0
BLVRB	NM_000713.2	100.0
BLZF1	NM_003666.2	100.0
BMF	NM_033503.3	100.0
BMI1	NM_005180.8	100.0
BMP1	NM_006129.4	100.0
BMP10	NM_014482.1	100.0
BMP15	NM_005448.2	100.0
BMP2	NM_001200.2	100.0
BMP2K	NM_198892.1	99.7
BMP3	NM_001201.2	100.0
BMP4	NM_001202.3	100.0
BMP5	NM_021073.2	100.0
BMP6	NM_001718.4	93.4
BMP7	NM_001719.2	100.0
BMP8A	NM_181809.3	92.2
BMPER	NM_133468.4	100.0
BMPR1A	NM_004329.2	100.0
BMPR1B	NM_001203.2	100.0
BMPR2	NM_001204.6	100.0
BMS1	NM_014753.3	100.0
BMX	NM_001721.6	100.0
BNC1	NM_001717.3	98.2
BNC2	NM_017637.5	100.0
BNIP1	NM_001205.2	100.0
BNIP2	NM_004330.2	100.0
BNIP3	NM_004052.2	100.0
BNIP3L	NM_004331.2	100.0
BNIPL	NM_138278.3	100.0
BOC	NM_033254.2	100.0
BOD1	NM_138369.2	100.0
BOD1L1	NM_148894.2	99.6
BOD1L2	NM_001257964.1	95.5
BOK	NM_032515.4	99.9
BOLA1	NM_016074.3	100.0
BOLA2	NM_001031827.1	100.0
BOLA2B	NM_001039182.1	100.0
BOLA3	NM_212552.2	100.0
BOLL	NM_033030.5	100.0

BOP1	NM_015201.3	100.0
BORA	NM_024808.2	100.0
BPGM	NM_199186.2	100.0
BPHL	NM_004332.2	100.0
BPI	NM_001725.2	100.0
BPIFA1	NM_016583.3	100.0
BPIFA2	NM_080574.2	100.0
BPIFA3	NM_178466.3	100.0
BPIFB1	NM_033197.2	100.0
BPIFB2	NM_025227.2	100.0
BPIFB3	NM_182658.1	100.0
BPIFB4	NM_182519.2	100.0
BPIFB6	NM_174897.2	100.0
BPIFC	NM_174932.2	100.0
BPNT1	NM_006085.4	100.0
BPTF	NM_004459.6	99.0
BRAF	NM_004333.4	99.6
BRAP	NM_006768.3	100.0
BRAT1	NM_152743.3	100.0
BRCA1	NM_007294.3	100.0
BRCA2	NM_000059.3	100.0
BRCC3	NM_024332.3	100.0
BRD1	NM_014577.1	100.0
BRD2	NM_005104.3	100.0
BRD3	NM_007371.3	100.0
BRD4	NM_014299.2	100.0
BRD7	NM_013263.4	100.0
BRD8	NM_006696.3	100.0
BRD9	NM_023924.4	100.0
BRDT	NM_001726.3	100.0
BRE	NM_004899.4	100.0
BRF1	NM_001519.3	99.8
BRF2	NM_018310.3	100.0
BRI3	NM_015379.4	95.9
BRI3BP	NM_080626.5	91.8
BRICD5	NM_182563.3	100.0
BRINP1	NM_014618.2	100.0
BRINP2	NM_021165.2	100.0
BRIP1	NM_032043.2	100.0
BRIX1	NM_018321.3	100.0

BRK1	NM_018462.4	100.0
BRMS1	NM_015399.3	100.0
BRMS1L	NM_032352.3	100.0
BROX	NM_144695.2	100.0
BRPF1	NM_004634.2	100.0
BRPF3	NM_015695.2	100.0
BRS3	NM_001727.1	100.0
BRSK1	NM_032430.1	100.0
BRSK2	NM_001256627.1	100.0
BRWD1	NM_018963.4	100.0
BRWD3	NM_153252.4	100.0
BSCL2	NM_032667.6	100.0
BSDC1	NM_018045.6	100.0
BSG	NM_198589.2	100.0
BSN	NM_003458.3	99.1
BSND	NM_057176.2	100.0
BSPH1	NM_001128326.2	100.0
BSPRY	NM_017688.2	97.5
BST1	NM_004334.2	100.0
BST2	NM_004335.2	100.0
BSX	NM_001098169.1	100.0
BTAF1	NM_003972.2	100.0
BTBD1	NM_025238.3	98.4
BTBD10	NM_032320.5	100.0
BTBD11	NM_001017523.1	99.9
BTBD16	NM_144587.2	100.0
BTBD17	NM_001080466.1	98.5
BTBD18	NM_001145101.1	100.0
BTBD19	NM_001136537.1	100.0
BTBD2	NM_017797.3	90.5
BTBD3	NM_014962.2	100.0
BTBD6	NM_033271.2	93.4
BTBD7	NM_018167.3	100.0
BTBD8	NM_183242.3	100.0
BTBD9	NM_052893.1	100.0
BTC	NM_001729.2	100.0
BTD	NM_000060.2	100.0
BTF3	NM_001207.4	100.0
BTF3L4	NM_152265.4	100.0
BTG1	NM_001731.2	100.0

BTG2	NM_006763.2	100.0
BTG3	NM_006806.4	100.0
BTG4	NM_017589.3	100.0
BTK	NM_000061.2	100.0
BTLA	NM_181780.3	100.0
BTN1A1	NM_001732.2	100.0
BTN2A1	NM_007049.4	100.0
BTN2A2	NM_006995.4	100.0
BTN3A1	NM_007048.5	100.0
BTN3A2	NM_007047.4	100.0
BTN3A3	NM_006994.4	100.0
BTNL10	XM_001722031.4	100.0
BTNL2	NM_019602.1	100.0
BTNL3	NM_197975.2	95.9
BTNL8	NM_024850.2	99.8
BTNL9	NM_152547.4	99.2
BTRC	NM_033637.3	100.0
BUB1	NM_004336.4	100.0
BUB1B	NM_001211.5	100.0
BUB3	NM_004725.3	100.0
BUD13	NM_032725.3	100.0
BUD31	NM_003910.3	100.0
BVES	NM_007073.4	100.0
BYSL	NM_004053.3	100.0
BZRAP1	NM_004758.3	100.0
BZW1	NM_014670.3	100.0
BZW2	NM_014038.2	100.0
C10orf10	NM_007021.3	100.0
C10orf105	NM_001164375.2	100.0
C10orf107	NM_173554.2	100.0
C10orf11	NM_032024.3	100.0
C10orf111	NM_153244.1	100.0
C10orf112	XM_005252651.1	100.0
C10orf113	NM_001010896.2	100.0
C10orf118	NM_018017.2	100.0
C10orf12	NM_015652.2	100.0
C10orf120	NM_001010912.2	100.0
C10orf126	NM_001278522.1	100.0
C10orf128	NM_001010863.1	100.0
C10orf129	NM_207321.2	100.0

C10orf131	NM_001130446.2	97.7
C10orf137	NM_015608.2	100.0
C10orf2 (TWNK)	NM_021830.4	100.0
C10orf25	NM_001039380.2	100.0
C10orf32	NM_144591.3	100.0
C10orf35	NM_145306.2	100.0
C10orf53	NM_182554.2	100.0
C10orf54	NM_022153.1	100.0
C10orf55	NM_001001791.2	100.0
C10orf62	NM_001009997.2	100.0
C10orf67	NM_153714.2	100.0
C10orf68	NM_024688.2	100.0
C10orf71	NM_001135196.1	100.0
C10orf76	NM_024541.2	100.0
C10orf82	NM_144661.2	100.0
C10orf88	NM_024942.3	100.0
C10orf90	NM_001004298.2	100.0
C10orf91	NM_173541.2	100.0
C10orf95	NM_024886.1	82.5
C10orf99	NM_207373.2	100.0
C11orf1	NM_022761.2	100.0
C11orf16	NM_020643.2	100.0
C11orf21	NM_001142946.1	100.0
C11orf24	NM_022338.3	100.0
C11orf30	NM_020193.3	100.0
C11orf31	NM_170746.2	100.0
C11orf34	NM_001145024.1	100.0
C11orf35	NM_173573.2	99.9
C11orf40	NM_144663.1	100.0
C11orf42	NM_173525.2	100.0
C11orf44	NM_001271983.1	85.9
C11orf45	NM_145013.2	100.0
C11orf48	NM_024099.3	100.0
C11orf49	NM_024113.4	100.0
C11orf52	NM_080659.2	100.0
C11orf53	NM_198498.1	100.0
C11orf54	NM_014039.2	100.0
C11orf57	NM_018195.3	100.0
C11orf58	NM_014267.5	100.0
C11orf63	NM_024806.3	100.0

C11orf65	NM_152587.3	100.0
C11orf68	NM_031450.3	95.6
C11orf70	NM_032930.2	100.0
C11orf71	NM_019021.3	100.0
C11orf73	NM_016401.3	100.0
C11orf74	NM_138787.3	100.0
C11orf80	NM_024650.3	92.4
C11orf82	NM_145018.3	100.0
C11orf83	NM_001085372.2	100.0
C11orf84	NM_138471.1	100.0
C11orf85	NM_001037225.1	100.0
C11orf86	NM_001136485.1	100.0
C11orf87	NM_207645.3	100.0
C11orf88	NM_207430.2	86.3
C11orf91	NM_001166692.1	100.0
C11orf93	NM_001136105.2	100.0
C11orf94	NM_001080446.2	100.0
C11orf95	NM_001144936.1	99.1
C11orf96	NM_001145033.1	99.9
C12orf10	NM_021640.3	100.0
C12orf23	NM_152261.2	100.0
C12orf29	NM_001009894.2	100.0
C12orf39	NM_030572.2	100.0
C12orf4	NM_020374.2	100.0
C12orf40	NM_001031748.2	100.0
C12orf42	NM_198521.3	100.0
C12orf43	NM_022895.1	100.0
C12orf44	NM_021934.4	100.0
C12orf45	NM_152318.2	100.0
C12orf49	NM_024738.1	100.0
C12orf5	NM_020375.2	100.0
C12orf50	NM_152589.1	100.0
C12orf52	NM_032848.1	100.0
C12orf54	NM_152319.3	100.0
C12orf55	XM_001715090.5	97.6
C12orf56	NM_001099676.2	100.0
C12orf57	NM_138425.2	100.0
C12orf60	NM_175874.3	100.0
C12orf65	NM_152269.4	100.0
C12orf66	NM_152440.4	100.0

C12orf68	NM_001013635.3	100.0
C12orf71	NM_001080406.1	100.0
C12orf73	NM_001135570.1	100.0
C12orf74	NM_001178097.2	100.0
C12orf75	NM_001145199.1	100.0
C12orf76	NM_207435.1	100.0
C12orf77	NM_001101339.1	99.3
C12orf79	NM_001256373.1	100.0
C12orf80	NM_001242696.1	100.0
C13orf35	NM_207440.1	100.0
C13orf45	NM_001257995.1	87.5
C14orf1	NM_007176.3	100.0
C14orf105	NM_018168.2	100.0
C14orf119	NM_017924.3	100.0
C14orf132	NM_001252507.1	100.0
C14orf142	NM_032490.4	100.0
C14orf159	NM_024952.6	100.0
C14orf164	XM_003118918.3	100.0
C14orf166	NM_016039.2	100.0
C14orf166B	NM_194287.2	100.0
C14orf169	NM_024644.3	99.3
C14orf177	NM_182560.2	100.0
C14orf178	NM_174943.3	100.0
C14orf180	NM_001008404.1	100.0
C14orf2	NM_004894.2	100.0
C14orf28	NM_001017923.1	100.0
C14orf37	NM_001001872.2	100.0
C14orf39	NM_174978.2	100.0
C14orf79	NM_174891.3	100.0
C14orf80	NM_001134875.1	100.0
C14orf93	NM_021944.2	100.0
C15orf26	NM_173528.2	100.0
C15orf27	NM_152335.2	100.0
C15orf32	NM_153040.2	100.0
C15orf38	NM_182616.2	100.0
C15orf38-AP3S2	NM_001199058.1	100.0
C15orf39	NM_015492.4	100.0
C15orf40	NM_144597.2	100.0
C15orf41	NM_001130010.1	100.0
C15orf43	NM_152448.2	100.0

C15orf48	NM_032413.3	100.0
C15orf52	NM_207380.2	100.0
C15orf53	NM_207444.2	100.0
C15orf54	NM_207445.2	100.0
C15orf56	NM_001039905.2	100.0
C15orf57	NM_052849.2	100.0
C15orf59	NM_001039614.1	100.0
C15orf60	NM_001042367.1	100.0
C15orf61	NM_001143936.1	99.0
C15orf62	NM_001130448.2	100.0
C15orf65	NM_001198784.1	100.0
C16orf11	NM_145270.2	100.0
C16orf13	NM_032366.3	100.0
C16orf45	NM_033201.2	100.0
C16orf46	NM_152337.2	100.0
C16orf47	NM_207385.1	100.0
C16orf52	NM_001164579.1	100.0
C16orf54	NM_175900.3	100.0
C16orf58	NM_022744.3	100.0
C16orf59	NM_025108.2	100.0
C16orf62	NM_020314.5	100.0
C16orf70	NM_025187.3	100.0
C16orf71	NM_139170.2	100.0
C16orf72	NM_014117.2	100.0
C16orf74	NM_206967.2	100.0
C16orf78	NM_144602.2	100.0
C16orf80	NM_013242.2	100.0
C16orf82	NM_001145545.1	100.0
C16orf86	NM_001012984.2	100.0
C16orf87	NM_001001436.2	100.0
C16orf89	NM_152459.4	83.4
C16orf90	NM_001080524.1	100.0
C16orf91	NM_001272051.1	100.0
C16orf92	NM_001109659.1	100.0
C16orf93	NM_001014979.2	100.0
C16orf95	NM_001195124.1	100.0
C16orf96	NM_001145011.1	100.0
C16orf97	NM_001242473.1	100.0
C17orf100	NM_001105520.1	100.0
C17orf102	NM_207454.2	100.0

C17orf103	NM_152914.2	97.7
C17orf104	NM_001145080.2	100.0
C17orf105	NM_001136483.1	100.0
C17orf107	NM_001145536.1	100.0
C17orf112	NM_001243552.1	100.0
C17orf47	NM_001038704.2	100.0
C17orf49	NM_174893.3	100.0
C17orf50	NM_145272.3	100.0
C17orf51	NM_001113434.3	100.0
C17orf53	NM_024032.3	100.0
C17orf58	NM_181655.2	100.0
C17orf59	NM_017622.2	100.0
C17orf62	NM_001033046.3	100.0
C17orf64	NM_181707.2	100.0
C17orf66	NM_152781.2	100.0
C17orf67	NM_001085430.2	100.0
C17orf70	NM_025161.5	100.0
C17orf72	NM_001164257.1	100.0
C17orf74	NM_175734.4	100.0
C17orf75	NM_022344.3	100.0
C17orf77	NM_152460.2	100.0
C17orf78	NM_173625.3	100.0
C17orf80	NM_017941.4	100.0
C17orf82	NM_203425.1	100.0
C17orf85	NM_001114118.2	100.0
C17orf89	NM_001086521.1	99.7
C17orf96	NM_001130677.1	99.8
C17orf97	NM_001013672.4	99.9
C17orf98	NM_001080465.2	100.0
C17orf99	NM_001163075.1	100.0
C18orf21	NM_031446.4	100.0
C18orf25	NM_145055.3	100.0
C18orf32	NM_001035005.3	100.0
C18orf42	NM_001145194.1	100.0
C18orf54	NM_173529.4	100.0
C18orf56	NM_001012716.2	100.0
C18orf63	NM_001174123.1	100.0
C18orf8	NM_013326.4	100.0
C19orf10	NM_019107.3	100.0
C19orf12	NM_001031726.3	100.0

C19orf18	NM_152474.4	100.0
C19orf24	NM_017914.3	78.2
C19orf25	NM_152482.2	100.0
C19orf26	NM_152769.2	100.0
C19orf33	NM_033520.1	100.0
C19orf35	NM_198532.2	97.0
C19orf38	NM_001136482.1	100.0
C19orf40	NM_152266.3	100.0
C19orf43	NM_024038.2	100.0
C19orf44	NM_032207.2	100.0
C19orf45	NM_198534.2	99.9
C19orf47	NM_001256440.1	100.0
C19orf48	NM_199249.1	100.0
C19orf52	NM_138358.2	100.0
C19orf53	NM_014047.2	100.0
C19orf54	NM_198476.3	100.0
C19orf55	NM_001039887.2	99.9
C19orf57	NM_024323.3	100.0
C19orf59	NM_174918.2	100.0
C19orf60	NM_001100418.1	100.0
C19orf66	NM_018381.2	100.0
C19orf67	NM_001277378.1	100.0
C19orf68	XM_001713770.3	94.7
C19orf69	NM_001130514.1	100.0
C19orf70	NM_205767.1	100.0
C19orf71	NM_001135580.1	100.0
C19orf73	NM_018111.2	100.0
C19orf77	NM_001136503.1	100.0
C19orf80	NM_018687.6	100.0
C19orf81	NM_001195076.1	100.0
C1D	NM_006333.3	100.0
C1GALT1	NM_020156.4	100.0
C1GALT1C1	NM_152692.4	100.0
C1orf100	NM_001012970.2	100.0
C1orf101	NM_173807.4	100.0
C1orf105	NM_139240.3	100.0
C1orf106	NM_018265.3	100.0
C1orf109	NM_017850.1	100.0
C1orf110	NM_178550.4	100.0
C1orf111	NM_182581.3	100.0

C1orf112	NM_018186.2	100.0
C1orf115	NM_024709.4	100.0
C1orf116	NM_023938.5	100.0
C1orf122	NM_198446.2	100.0
C1orf123	NM_017887.1	100.0
C1orf127	NM_001170754.1	100.0
C1orf131	NM_152379.2	100.0
C1orf137	NM_001013643.1	100.0
C1orf141	NM_001276351.1	100.0
C1orf146	NM_001012425.1	100.0
C1orf158	NM_152290.2	100.0
C1orf159	NM_017891.4	100.0
C1orf162	NM_174896.2	100.0
C1orf167	XM_003118845.3	100.0
C1orf168	NM_001004303.4	100.0
C1orf172	NM_152365.2	100.0
C1orf173	NM_001002912.4	100.0
C1orf174	NM_207356.2	100.0
C1orf177	NM_152607.2	100.0
C1orf185	NM_001136508.1	100.0
C1orf186	NM_001007544.2	100.0
C1orf189	NM_001010979.2	100.0
C1orf192	NM_001013625.3	100.0
C1orf194	NM_001122961.1	100.0
C1orf195	NM_001278501.1	100.0
C1orf198	NM_032800.2	100.0
C1orf204	NM_001134233.1	99.6
C1orf21	NM_030806.3	100.0
C1orf210	NM_182517.2	100.0
C1orf216	NM_152374.1	100.0
C1orf226	NM_001085375.1	100.0
C1orf227	NM_001024601.2	100.0
C1orf228	NM_001145636.1	100.0
C1orf229	NM_207401.1	99.0
C1orf233	NM_001242659.1	65.1
C1orf234	NM_001242521.1	100.0
C1orf27	NM_017847.5	100.0
C1orf35	NM_024319.2	100.0
C1orf43	NM_015449.2	100.0
C1orf50	NM_024097.3	100.0

C1orf51	NM_144697.2	100.0
C1orf52	NM_198077.3	100.0
C1orf53	NM_001024594.2	99.3
C1orf54	NM_024579.3	100.0
C1orf56	NM_017860.3	100.0
C1orf61	NM_006365.1	100.0
C1orf63	NM_020317.3	100.0
C1orf64	NM_178840.2	100.0
C1orf65	NM_152610.2	100.0
C1orf68	NM_001024679.2	100.0
C1orf74	NM_152485.2	100.0
C1orf85	NM_144580.2	100.0
C1orf86	NM_182533.2	92.6
C1orf87	NM_152377.2	100.0
C1orf94	NM_032884.3	100.0
C1orf95	NM_001003665.3	94.5
C1QA	NM_015991.2	100.0
C1QB	NM_000491.3	100.0
C1QBP	NM_001212.3	100.0
C1QC	NM_172369.3	100.0
C1QL1	NM_006688.3	97.2
C1QL2	NM_182528.3	100.0
C1QL3	NM_001010908.1	97.1
C1QL4	NM_001008223.1	100.0
C1QTNF1	NM_030968.3	100.0
C1QTNF2	NM_031908.4	100.0
C1QTNF3	NM_030945.3	100.0
C1QTNF4	NM_031909.2	95.4
C1QTNF5	NM_015645.4	99.8
C1QTNF6	NM_031910.3	100.0
C1QTNF7	NM_031911.4	100.0
C1QTNF8	NM_207419.3	100.0
C1QTNF9	NM_178540.3	98.0
C1QTNF9B	NM_001007537.1	99.7
C1QTNF9B-AS1	NM_001014442.2	100.0
C1R	NM_001733.4	100.0
C1RL	NM_016546.2	100.0
C1S	NM_201442.2	100.0
C2	NM_000063.4	100.0
C20orf112	NM_080616.4	100.0

C20orf141	NM_080739.2	100.0
C20orf144	NM_080825.3	98.9
C20orf166	NM_178463.3	100.0
C20orf173	NM_001145350.1	100.0
C20orf194	NM_001009984.2	100.0
C20orf195	NM_024059.2	100.0
C20orf196	NM_152504.2	100.0
C20orf197	NM_173644.1	100.0
C20orf201	NM_001007125.1	98.2
C20orf202	NM_001009612.2	100.0
C20orf203	NM_182584.2	77.5
C20orf24	NM_018840.4	100.0
C20orf26	NM_015585.3	100.0
C20orf27	NM_001039140.2	100.0
C20orf78	NM_001242671.1	100.0
C20orf85	NM_178456.2	100.0
C20orf96	NM_080571.1	100.0
C21orf2	NM_004928.2	100.0
C21orf33	NM_004649.6	100.0
C21orf58	NM_058180.3	100.0
C21orf59	NM_021254.2	100.0
C21orf62	NM_019596.5	100.0
C21orf91	NM_001100420.1	100.0
C22orf15	NM_182520.2	100.0
C22orf23	NM_032561.4	100.0
C22orf24	NM_015372.1	100.0
C22orf26	NM_018280.2	82.5
C22orf29	NM_024627.5	100.0
C22orf31	NM_015370.1	100.0
C22orf39	NM_173793.4	99.8
C22orf42	NM_001010859.1	100.0
C22orf43	NM_016449.3	100.0
C22orf46	NM_001142964.1	100.0
C2CD2	NM_015500.1	100.0
C2CD2L	NM_014807.3	100.0
C2CD3	NM_015531.4	100.0
C2CD4A	NM_207322.2	90.4
C2CD4B	NM_001007595.2	88.4
C2CD4C	NM_001136263.1	99.4
C2CD4D	NM_001136003.1	93.7

C2CD5	NM_014802.1	100.0
C2orf15	NM_144706.2	100.0
C2orf16	NM_032266.3	100.0
C2orf40	NM_032411.2	100.0
C2orf42	NM_017880.1	100.0
C2orf43	NM_021925.2	100.0
C2orf44	NM_025203.2	100.0
C2orf47	NM_024520.2	100.0
C2orf48	NM_182626.2	100.0
C2orf49	NM_024093.1	100.0
C2orf50	NM_182500.2	100.0
C2orf53	NM_178553.3	100.0
C2orf54	NM_024861.2	100.0
C2orf57	NM_152614.2	100.0
C2orf61	NM_173649.2	100.0
C2orf62	NM_198559.1	100.0
C2orf66	NM_213608.2	100.0
C2orf68	NM_001013649.3	100.0
C2orf69	NM_153689.5	100.0
C2orf70	NM_001105519.1	100.0
C2orf71	NM_001029883.2	100.0
C2orf72	NM_001144994.1	61.6
C2orf73	NM_001100396.1	100.0
C2orf74	NM_001143959.1	100.0
C2orf76	NM_001017927.2	100.0
C2orf78	NM_001080474.1	100.0
C2orf81	NM_001145054.1	100.0
C2orf82	NM_206895.1	100.0
C2orf83	NM_020161.3	100.0
C2orf88	NM_032321.2	100.0
C2orf91	NM_001242815.1	100.0
C3	NM_000064.2	100.0
C3AR1	NM_004054.2	100.0
C3orf14	NM_020685.3	100.0
C3orf17	NM_015412.3	100.0
C3orf18	NM_016210.4	100.0
C3orf20	NM_032137.4	100.0
C3orf22	NM_152533.1	100.0
C3orf30	NM_152539.2	100.0
C3orf33	NM_173657.1	100.0

C3orf35	NM_178339.2	100.0
C3orf36	NM_025041.2	100.0
C3orf37	NM_020187.2	100.0
C3orf38	NM_173824.3	100.0
C3orf43	NM_001077657.1	100.0
C3orf52	NM_024616.2	100.0
C3orf55	NM_001099777.3	100.0
C3orf56	NM_001007534.2	100.0
C3orf58	NM_173552.3	100.0
C3orf62	NM_198562.2	100.0
C3orf67	NM_198463.2	100.0
C3orf70	NM_001025266.1	100.0
C3orf72	NM_001040061.2	100.0
C3orf79	NM_001101337.1	100.0
C3orf80	NM_001168214.1	99.5
C3orf83	NM_001195279.1	100.0
C3orf84	NM_001080528.2	100.0
C4A	NM_007293.2	99.7
C4B	NM_001002029.3	99.6
C4BPA	NM_000715.3	100.0
C4BPB	NM_000716.3	100.0
C4orf17	NM_032149.2	100.0
C4orf19	NM_018302.2	100.0
C4orf21	NM_018392.4	100.0
C4orf22	NM_152770.2	100.0
C4orf26	NM_178497.3	100.0
C4orf27	NM_017867.2	100.0
C4orf29	NM_001039717.1	100.0
C4orf3	NM_001001701.3	100.0
C4orf32	NM_152400.2	99.5
C4orf33	NM_173487.2	100.0
C4orf36	NM_144645.3	100.0
C4orf40	NM_214711.3	100.0
C4orf45	NM_152543.2	100.0
C4orf46	NM_001008393.3	100.0
C4orf47	NM_001114357.1	100.0
C4orf48	NM_001141936.2	91.6
C4orf50	XM_003118524.2	100.0
C4orf51	NM_001080531.1	100.0
C5	NM_001735.2	100.0

C5AR1	NM_001736.3	100.0
C5AR2	NM_018485.2	100.0
C5orf15	NM_020199.2	100.0
C5orf20	NM_130848.2	100.0
C5orf22	NM_018356.2	100.0
C5orf24	NM_152409.3	100.0
C5orf28	NM_022483.4	100.0
C5orf30	NM_033211.2	100.0
C5orf34	NM_198566.2	100.0
C5orf38	NM_178569.2	100.0
C5orf42	NM_023073.3	100.0
C5orf45	NM_016175.3	100.0
C5orf46	NM_206966.2	100.0
C5orf47	NM_001144954.1	100.0
C5orf48	NM_207408.1	100.0
C5orf49	NM_001089584.2	100.0
C5orf50	XM_928062.8	100.0
C5orf51	NM_175921.4	100.0
C5orf52	NM_001145132.1	100.0
C5orf54	NM_022090.3	100.0
C5orf58	NM_001102609.1	100.0
C5orf60	NM_001142306.1	100.0
C5orf63	NM_001164478.1	100.0
C5orf64	NM_173667.2	90.6
C6	NM_000065.3	100.0
C6orf1	NM_178508.3	100.0
C6orf10	NM_006781.3	100.0
C6orf106	NM_022758.4	100.0
C6orf118	NM_144980.3	100.0
C6orf120	NM_001029863.1	100.0
C6orf132	NM_001164446.1	99.9
C6orf136	NM_145029.3	100.0
C6orf141	NM_001145652.1	100.0
C6orf15	NM_014070.2	100.0
C6orf163	NM_001010868.2	100.0
C6orf165	NM_001031743.2	100.0
C6orf201	NM_001085401.2	100.0
C6orf203	NM_016487.3	100.0
C6orf211	NM_024573.1	100.0
C6orf222	NM_001010903.4	100.0

C6orf223	NM_153246.4	95.2
C6orf226	NM_001008739.1	100.0
C6orf25	NM_025260.3	100.0
C6orf47	NM_021184.3	100.0
C6orf48	NM_001040437.1	100.0
C6orf52	NM_001145020.1	100.0
C6orf57	NM_145267.2	100.0
C6orf58	NM_001010905.2	100.0
C6orf62	NM_030939.4	100.0
C6orf70	NM_018341.2	100.0
C6orf89	NM_152734.3	100.0
C6orf99	NM_001195032.1	100.0
C7	NM_000587.2	100.0
C7orf10	NM_024728.2	100.0
C7orf25	NM_024054.2	100.0
C7orf26	NM_024067.2	100.0
C7orf31	NM_138811.3	100.0
C7orf33	NM_145304.2	100.0
C7orf34	NM_178829.4	100.0
C7orf41	NM_152793.2	100.0
C7orf43	NM_018275.3	100.0
C7orf49	NM_024033.3	100.0
C7orf50	NM_032350.5	100.0
C7orf55	NM_197964.4	100.0
C7orf55-LUC7L2	NM_001244584.2	100.0
C7orf57	NM_001100159.2	100.0
C7orf60	NM_152556.2	100.0
C7orf61	NM_001004323.1	100.0
C7orf62	NM_152706.3	100.0
C7orf63	NM_001039706.2	100.0
C7orf65	NM_001123065.1	100.0
C7orf66	NM_001024607.1	100.0
C7orf69	NM_025031.2	70.7
C7orf71	NM_001145531.1	100.0
C7orf72	NM_001161834.2	100.0
C7orf73	NM_001130929.1	100.0
C7orf76	NM_001201450.1	100.0
C8A	NM_000562.2	100.0
C8B	NM_000066.3	100.0
C8G	NM_000606.2	100.0

C8orf22	NM_001007176.4	100.0
C8orf31	NM_173687.2	100.0
C8orf33	NM_023080.2	100.0
C8orf34	NM_052958.2	100.0
C8orf37	NM_177965.3	100.0
C8orf4	NM_020130.4	100.0
C8orf44	NM_019607.2	100.0
C8orf44-SGK3	NM_001204173.1	100.0
C8orf46	NM_152765.3	100.0
C8orf47	NM_173549.2	100.0
C8orf48	NM_001007090.2	100.0
C8orf58	NM_173686.2	99.9
C8orf59	NM_001099670.1	100.0
C8orf74	NM_001040032.1	100.0
C8orf76	NM_032847.2	100.0
C8orf82	NM_001001795.1	98.4
C8orf86	NM_207412.1	100.0
C8orf87	NM_001242668.1	100.0
C9	NM_001737.3	100.0
C9orf106	NM_001012715.3	100.0
C9orf114	NM_016390.3	100.0
C9orf116	NM_144654.2	100.0
C9orf117	NM_001012502.2	100.0
C9orf123	NM_033428.1	100.0
C9orf129	NM_001098808.1	100.0
C9orf131	NM_203299.2	100.0
C9orf135	NM_001010940.1	100.0
C9orf139	NM_207511.1	100.0
C9orf142	NM_183241.1	98.9
C9orf152	NM_001012993.2	100.0
C9orf153	NM_001276366.1	100.0
C9orf156	NM_016481.3	100.0
C9orf16	NM_024112.3	100.0
C9orf163	NM_152571.2	100.0
C9orf169	NM_199001.2	100.0
C9orf170	NM_001001709.2	100.0
C9orf171	NM_207417.1	100.0
C9orf172	NM_001080482.2	93.4
C9orf173	NM_001004353.3	100.0
C9orf24	NM_032596.3	100.0

C9orf3	NM_032823.5	100.0
C9orf40	NM_017998.2	93.3
C9orf41	NM_152420.1	99.9
C9orf43	NM_152786.2	100.0
C9orf47	NM_001001938.3	100.0
C9orf50	NM_199350.3	97.8
C9orf57	NM_001128618.1	100.0
C9orf62	NM_173520.2	100.0
C9orf64	NM_032307.3	100.0
C9orf66	NM_152569.2	99.7
C9orf69	NM_152833.2	100.0
C9orf72	NM_018325.3	100.0
C9orf78	NM_016520.2	100.0
C9orf84	NM_173521.3	100.0
C9orf85	NM_182505.3	100.0
C9orf89	NM_032310.3	100.0
C9orf9	NM_018956.3	100.0
C9orf91	NM_153045.3	100.0
C9orf92	NM_001271829.1	100.0
C9orf96	NM_153710.4	100.0
CA1	NM_001738.3	100.0
CA10	NM_001082533.1	100.0
CA11	NM_001217.3	100.0
CA12	NM_001218.3	100.0
CA13	NM_198584.2	100.0
CA14	NM_012113.1	100.0
CA2	NM_000067.2	100.0
CA3	NM_005181.3	100.0
CA4	NM_000717.3	100.0
CA5A	NM_001739.1	100.0
CA5B	NM_007220.3	100.0
CA6	NM_001215.3	100.0
CA7	NM_005182.2	100.0
CA8	NM_004056.4	100.0
CA9	NM_001216.2	100.0
CAAP1	NM_024828.3	100.0
CAB39	NM_016289.3	100.0
CAB39L	NM_030925.2	100.0
CABIN1	NM_012295.3	100.0
CABLES1	NM_138375.2	100.0

CABLES2	NM_031215.2	87.8
CABP1	NM_004276.4	100.0
CABP2	NM_016366.2	100.0
CABP4	NM_145200.3	100.0
CABP5	NM_019855.4	100.0
CABP7	NM_182527.2	100.0
CABS1	NM_033122.3	100.0
CABYR	NM_012189.3	100.0
CACFD1	NM_017586.3	100.0
CACHD1	NM_020925.2	100.0
CACNA1A	NM_001127221.1	100.0
CACNA1B	NM_000718.3	97.5
CACNA1C	NM_000719.6	100.0
CACNA1D	NM_000720.3	100.0
CACNA1E	NM_000721.3	100.0
CACNA1F	NM_005183.2	100.0
CACNA1G	NM_018896.4	100.0
CACNA1H	NM_021098.2	99.6
CACNA1I	NM_021096.3	98.8
CACNA1S	NM_000069.2	100.0
CACNA2D1	NM_000722.2	100.0
CACNA2D2	NM_006030.2	98.8
CACNA2D3	NM_018398.2	100.0
CACNA2D4	NM_172364.4	100.0
CACNB1	NM_000723.4	100.0
CACNB2	NM_201590.2	100.0
CACNB3	NM_000725.3	100.0
CACNB4	NM_000726.3	100.0
CACNG1	NM_000727.3	100.0
CACNG2	NM_006078.3	100.0
CACNG3	NM_006539.3	100.0
CACNG4	NM_014405.3	100.0
CACNG5	NM_145811.2	100.0
CACNG6	NM_031897.2	100.0
CACNG7	NM_031896.4	100.0
CACNG8	NM_031895.5	88.4
CACTIN	NM_021231.1	100.0
CACUL1	NM_153810.4	100.0
CACYBP	NM_014412.2	100.0
CAD	NM_004341.3	100.0

CADM1	NM_014333.3	100.0
CADM2	NM_001167674.1	100.0
CADM3	NM_021189.3	100.0
CADM4	NM_145296.1	96.1
CADPS	NM_003716.3	98.2
CADPS2	NM_017954.10	99.9
CAGE1	NM_205864.2	100.0
CALB1	NM_004929.2	100.0
CALB2	NM_001740.4	100.0
CALCA	NM_001741.2	100.0
CALCB	NM_000728.3	100.0
CALCOCO1	NM_020898.2	100.0
CALCOCO2	NM_001261390.1	100.0
CALCR	NM_001742.3	100.0
CALCRL	NM_005795.5	100.0
CALD1	NM_004342.6	100.0
CALHM1	NM_001001412.3	100.0
CALHM2	NM_015916.4	100.0
CALHM3	NM_001129742.1	100.0
CALM1	NM_006888.4	100.0
CALM2	NM_001743.4	100.0
CALM3	NM_005184.2	100.0
CALML3	NM_005185.2	100.0
CALML4	NM_033429.2	100.0
CALML5	NM_017422.4	100.0
CALML6	NM_138705.2	100.0
CALN1	NM_031468.3	100.0
CALR	NM_004343.3	100.0
CALR3	NM_145046.4	100.0
CALU	NM_001219.4	100.0
CALY	NM_015722.3	99.1
CAMK1	NM_003656.4	100.0
CAMK1D	NM_020397.2	100.0
CAMK1G	NM_020439.2	100.0
CAMK2A	NM_015981.3	100.0
CAMK2B	NM_001220.4	100.0
CAMK2D	NM_172115.2	100.0
CAMK2G	NM_172171.2	100.0
CAMK2N1	NM_018584.5	100.0
CAMK2N2	NM_033259.2	100.0

CAMK4	NM_001744.4	100.0
CAMKK1	NM_032294.2	100.0
CAMKK2	NM_006549.3	100.0
CAMKMT	NM_024766.4	100.0
CAMKV	NM_024046.3	100.0
CAMLG	NM_001745.3	100.0
CAMP	NM_004345.4	100.0
CAMSAP1	NM_015447.3	100.0
CAMSAP2	NM_203459.1	100.0
CAMSAP3	NM_020902.1	100.0
CAMTA1	NM_015215.2	100.0
CAMTA2	NM_015099.3	100.0
CAND1	NM_018448.3	100.0
CAND2	NM_012298.2	100.0
CANT1	NM_138793.3	100.0
CANX	NM_001746.3	100.0
CAP1	NM_006367.3	100.0
CAP2	NM_006366.2	100.0
CAPG	NM_001747.3	100.0
CAPN1	NM_005186.3	100.0
CAPN10	NM_023083.3	100.0
CAPN11	NM_007058.3	100.0
CAPN12	NM_144691.3	100.0
CAPN13	NM_144575.2	100.0
CAPN14	NM_001145122.1	100.0
CAPN15	NM_005632.2	100.0
CAPN2	NM_001748.4	100.0
CAPN3	NM_000070.2	100.0
CAPN5	NM_004055.4	100.0
CAPN6	NM_014289.3	100.0
CAPN7	NM_014296.2	100.0
CAPN8	NM_001143962.1	99.0
CAPN9	NM_006615.2	100.0
CAPNS1	NM_001749.2	97.0
CAPNS2	NM_032330.1	100.0
CAPRIN1	NM_005898.4	100.0
CAPRIN2	NM_023925.3	100.0
CAPS	NM_004058.3	100.0
CAPS2	NM_032606.3	100.0
CAPSL	NM_144647.3	100.0

CAPZA1	NM_006135.2	100.0
CAPZA2	NM_006136.2	100.0
CAPZA3	NM_033328.2	100.0
CAPZB	NM_004930.3	100.0
CARD10	NM_014550.3	100.0
CARD11	NM_032415.4	100.0
CARD14	NM_024110.4	100.0
CARD16	NM_052889.2	100.0
CARD17	NM_001007232.1	100.0
CARD18	NM_021571.3	100.0
CARD6	NM_032587.3	100.0
CARD8	NM_014959.3	100.0
CARD9	NM_052813.4	100.0
CARF	NM_024744.14	100.0
CARHSP1	NM_014316.3	100.0
CARKD	NM_018210.3	100.0
CARM1	NM_199141.1	96.5
CARNS1	NM_020811.1	97.0
CARS	NM_001751.5	100.0
CARS2	NM_024537.2	98.1
CARTPT	NM_004291.3	100.0
CASC1	NM_018272.3	100.0
CASC10	NM_001010911.2	100.0
CASC3	NM_007359.4	100.0
CASC4	NM_138423.3	100.0
CASC5	NM_170589.4	98.9
CASD1	NM_022900.4	100.0
CASK	NM_003688.3	100.0
CASKIN1	NM_020764.3	97.1
CASKIN2	NM_020753.4	100.0
CASP1	NM_033292.3	100.0
CASP10	NM_032977.3	100.0
CASP12	NM_001191016.1	100.0
CASP14	NM_012114.2	100.0
CASP2	NM_032982.3	100.0
CASP3	NM_004346.3	100.0
CASP4	NM_001225.3	100.0
CASP5	NM_004347.3	100.0
CASP6	NM_001226.3	100.0
CASP7	NM_001227.4	100.0

CASP8	NM_001228.4	100.0
CASP8AP2	NM_012115.3	100.0
CASP9	NM_001229.4	100.0
CASQ1	NM_001231.4	100.0
CASQ2	NM_001232.3	100.0
CASR	NM_000388.3	100.0
CASS4	NM_020356.3	100.0
CASZ1	NM_017766.4	100.0
CAT	NM_001752.3	100.0
CATSPER1	NM_053054.3	100.0
CATSPER2	NM_054020.2	100.0
CATSPER3	NM_178019.2	100.0
CATSPER4	NM_198137.1	100.0
CATSPERB	NM_024764.2	100.0
CATSPERD	NM_152784.3	100.0
CATSPERG	NM_021185.4	100.0
CAV1	NM_001753.4	100.0
CAV2	NM_001233.4	100.0
CAV3	NM_033337.2	100.0
CBFA2T2	NM_005093.3	100.0
CBFA2T3	NM_005187.5	100.0
CBFB	NM_022845.2	100.0
CBL	NM_005188.3	100.0
CBLB	NM_170662.3	100.0
CBLC	NM_012116.3	100.0
CBLL1	NM_024814.2	100.0
CBLN1	NM_004352.3	100.0
CBLN2	NM_182511.3	97.6
CBLN3	NM_001039771.2	100.0
CBLN4	NM_080617.5	100.0
CBR1	NM_001757.2	100.0
CBR3	NM_001236.3	100.0
CBR4	NM_032783.4	100.0
CBS	NM_000071.2	100.0
CBWD1	NM_018491.3	99.7
CBWD2	NM_172003.3	100.0
CBWD6	NM_001085457.1	99.8
CBX1	NM_006807.4	100.0
CBX2	NM_005189.2	100.0
CBX3	NM_007276.4	100.0

CBX4	NM_003655.2	100.0
CBX5	NM_001127322.1	100.0
CBX6	NM_014292.3	100.0
CBX7	NM_175709.3	100.0
CBX8	NM_020649.2	100.0
CBY1	NM_015373.3	100.0
CBY3	NM_001164444.1	100.0
CC2D1A	NM_017721.4	100.0
CC2D1B	NM_032449.2	100.0
CC2D2A	NM_001080522.2	100.0
CC2D2B	NM_001001732.3	100.0
CCAR1	NM_018237.2	100.0
CCBE1	NM_133459.3	100.0
CCBL1	NM_004059.4	100.0
CCBL2	NM_001008661.2	100.0
CCDC101	NM_138414.2	100.0
CCDC102A	NM_033212.3	94.0
CCDC102B	NM_024781.2	100.0
CCDC103	NM_213607.2	100.0
CCDC104	NM_080667.5	100.0
CCDC105	NM_173482.2	100.0
CCDC106	NM_013301.2	100.0
CCDC107	NM_174923.2	100.0
CCDC108	NM_152389.3	100.0
CCDC109B	NM_017918.4	100.0
CCDC11	NM_145020.3	100.0
CCDC110	NM_152775.3	100.0
CCDC111	NM_152683.2	100.0
CCDC112	NM_152549.2	100.0
CCDC113	NM_014157.3	100.0
CCDC114	NM_144577.3	100.0
CCDC115	NM_032357.2	100.0
CCDC116	NM_152612.2	100.0
CCDC117	NM_173510.2	93.7
CCDC12	NM_144716.5	100.0
CCDC120	NM_033626.3	99.8
CCDC121	NM_024584.4	100.0
CCDC122	NM_144974.3	100.0
CCDC124	NM_138442.3	100.0
CCDC125	NM_176816.3	100.0

CCDC126	NM_138771.3	100.0
CCDC127	NM_145265.2	100.0
CCDC129	NM_194300.3	100.0
CCDC13	NM_144719.3	100.0
CCDC130	NM_030818.2	100.0
CCDC132	NM_017667.3	100.0
CCDC134	NM_024821.2	100.0
CCDC135	NM_032269.5	100.0
CCDC136	NM_022742.4	100.0
CCDC137	NM_199287.2	100.0
CCDC138	NM_144978.1	100.0
CCDC14	NM_022757.4	100.0
CCDC140	NM_153038.1	100.0
CCDC141	NM_173648.3	100.0
CCDC142	NM_032779.3	100.0
CCDC144A	NM_014695.1	100.0
CCDC144NL	NM_001004306.1	100.0
CCDC146	NM_020879.2	100.0
CCDC147	NM_001008723.1	100.0
CCDC148	NM_138803.3	100.0
CCDC149	NM_173463.4	100.0
CCDC15	NM_025004.2	100.0
CCDC150	NM_001080539.1	100.0
CCDC151	NM_145045.4	100.0
CCDC152	NM_001134848.1	100.0
CCDC153	NM_001145018.1	100.0
CCDC154	NM_001143980.1	100.0
CCDC155	NM_144688.4	100.0
CCDC157	NM_001017437.2	100.0
CCDC158	NM_001042784.1	100.0
CCDC159	NM_001080503.2	100.0
CCDC160	NM_001101357.1	100.0
CCDC166	NM_001162914.1	99.6
CCDC167	NM_138493.2	100.0
CCDC168	NM_001146197.1	100.0
CCDC169	NM_001144981.2	100.0
CCDC169-SOHLH2	NM_001198910.1	100.0
CCDC17	NM_001114938.2	100.0
CCDC170	NM_025059.3	100.0
CCDC171	NM_173550.2	100.0

CCDC172	NM_198515.2	100.0
CCDC173	NM_001085447.1	100.0
CCDC174	NM_016474.4	100.0
CCDC175	NM_001164399.1	100.0
CCDC176	NM_025057.2	100.0
CCDC178	NM_198995.2	100.0
CCDC179	NM_001195637.1	100.0
CCDC18	NM_206886.3	100.0
CCDC180	NM_020893.2	100.0
CCDC181	NM_021179.1	100.0
CCDC19	NM_012337.2	100.0
CCDC22	NM_014008.3	100.0
CCDC23	NM_199342.3	100.0
CCDC24	NM_152499.1	100.0
CCDC25	NM_018246.2	100.0
CCDC27	NM_152492.2	100.0
CCDC28A	NM_015439.2	100.0
CCDC28B	NM_024296.3	100.0
CCDC3	NM_031455.3	96.5
CCDC30	NM_001080850.2	100.0
CCDC33	NM_025055.4	100.0
CCDC34	NM_030771.1	100.0
CCDC36	NM_178173.3	100.0
CCDC37	NM_182628.2	100.0
CCDC38	NM_182496.2	100.0
CCDC39	NM_181426.1	100.0
CCDC40	NM_017950.3	100.0
CCDC41	NM_016122.2	100.0
CCDC42	NM_144681.2	100.0
CCDC42B	NM_001144872.1	99.7
CCDC43	NM_144609.2	100.0
CCDC47	NM_020198.2	100.0
CCDC50	NM_178335.2	100.0
CCDC51	NM_024661.4	100.0
CCDC53	NM_016053.2	100.0
CCDC54	NM_032600.2	100.0
CCDC57	NM_198082.2	100.0
CCDC58	NM_001017928.2	100.0
CCDC59	NM_014167.4	100.0
CCDC6	NM_005436.4	100.0

CCDC60	NM_178499.3	100.0
CCDC61	NM_001267723.1	98.1
CCDC62	NM_201435.4	100.0
CCDC63	NM_152591.1	100.0
CCDC64	NM_207311.2	99.6
CCDC64B	NM_001103175.1	100.0
CCDC65	NM_033124.4	100.0
CCDC66	NM_001012506.4	100.0
CCDC67	NM_181645.3	100.0
CCDC68	NM_025214.2	100.0
CCDC69	NM_015621.2	100.0
CCDC7	NM_145023.4	100.0
CCDC70	NM_031290.2	100.0
CCDC71	NM_022903.3	100.0
CCDC71L	NM_175884.4	90.4
CCDC73	NM_001008391.3	100.0
CCDC74A	NM_138770.2	99.8
CCDC74B	NM_207310.2	100.0
CCDC77	NM_032358.3	100.0
CCDC78	NM_001031737.2	100.0
CCDC79	NM_001136505.1	100.0
CCDC8	NM_032040.4	100.0
CCDC80	NM_199511.1	100.0
CCDC81	NM_021827.4	100.0
CCDC82	NM_024725.3	100.0
CCDC83	NM_173556.3	100.0
CCDC84	NM_198489.1	100.0
CCDC85A	NM_001080433.1	99.7
CCDC85B	NM_006848.2	100.0
CCDC85C	NM_001144995.1	91.6
CCDC86	NM_024098.3	100.0
CCDC87	NM_018219.2	100.0
CCDC88A	NM_018084.4	100.0
CCDC88B	NM_032251.5	100.0
CCDC88C	NM_001080414.3	100.0
CCDC89	NM_152723.1	100.0
CCDC9	NM_015603.2	100.0
CCDC90B	NM_021825.3	100.0
CCDC91	NM_018318.3	100.0
CCDC92	NM_025140.1	100.0

CCDC93	NM_019044.4	100.0
CCDC94	NM_018074.4	100.0
CCDC96	NM_153376.2	100.0
CCDC97	NM_052848.1	100.0
CCER1	NM_152638.2	100.0
CCHCR1	NM_001105564.1	100.0
CCIN	NM_005893.2	100.0
CCK	NM_000729.4	100.0
CCKAR	NM_000730.2	100.0
CCKBR	NM_176875.3	100.0
CCL1	NM_002981.2	100.0
CCL11	NM_002986.2	100.0
CCL13	NM_005408.2	100.0
CCL14	NM_032962.4	100.0
CCL15	NM_032965.4	100.0
CCL16	NM_004590.2	100.0
CCL17	NM_002987.2	100.0
CCL18	NM_002988.2	100.0
CCL19	NM_006274.2	100.0
CCL2	NM_002982.3	100.0
CCL20	NM_004591.2	100.0
CCL21	NM_002989.3	100.0
CCL22	NM_002990.4	100.0
CCL23	NM_005064.4	100.0
CCL24	NM_002991.2	100.0
CCL25	NM_005624.3	100.0
CCL26	NM_006072.4	100.0
CCL27	NM_006664.2	100.0
CCL28	NM_148672.2	100.0
CCL3	NM_002983.2	100.0
CCL3L1	NM_021006.4	95.8
CCL3L3	NM_001001437.3	96.0
CCL4	NM_002984.2	100.0
CCL4L2	NM_207007.2	97.0
CCL5	NM_002985.2	100.0
CCL7	NM_006273.3	100.0
CCL8	NM_005623.2	100.0
CCM2	NM_031443.3	100.0
CCM2L	NM_080625.3	91.4
CCNA1	NM_003914.3	100.0

CCNA2	NM_001237.3	100.0
CCNB1	NM_031966.3	100.0
CCNB1IP1	NM_021178.4	100.0
CCNB2	NM_004701.3	100.0
CCNB3	NM_033031.2	100.0
CCNC	NM_005190.3	100.0
CCND1	NM_053056.2	100.0
CCND2	NM_001759.3	100.0
CCND3	NM_001760.3	100.0
CCNDBP1	NM_012142.4	100.0
CCNE1	NM_001238.2	100.0
CCNE2	NM_057749.2	100.0
CCNF	NM_001761.2	100.0
CCNG1	NM_004060.3	100.0
CCNG2	NM_004354.2	100.0
CCNH	NM_001239.3	100.0
CCNI	NM_006835.2	100.0
CCNI2	NM_001039780.2	99.9
CCNJ	NM_019084.4	100.0
CCNJL	NM_024565.5	89.0
CCNK	NM_001099402.1	99.9
CCNL1	NM_020307.2	100.0
CCNL2	NM_030937.4	99.2
CCNO	NM_021147.3	100.0
CCNT1	NM_001240.3	100.0
CCNT2	NM_001241.3	100.0
CCNY	NM_145012.4	100.0
CCNYL1	NM_152523.2	100.0
CCP110	NM_014711.4	100.0
CCPG1	NM_004748.4	100.0
CCR1	NM_001295.2	100.0
CCR10	NM_016602.2	100.0
CCR2	NM_001123041.2	100.0
CCR3	NM_001837.3	100.0
CCR4	NM_005508.4	100.0
CCR5	NM_000579.3	100.0
CCR6	NM_031409.3	100.0
CCR7	NM_001838.3	100.0
CCR8	NM_005201.3	100.0
CCR9	NM_006641.3	100.0

CCRL2	NM_003965.4	100.0
CCRN4L	NM_012118.3	97.3
CCS	NM_005125.1	100.0
CCSAP	NM_145257.3	97.6
CCSER1	NM_207491.2	100.0
CCSER2	NM_018999.2	100.0
CCT2	NM_006431.2	100.0
CCT3	NM_005998.4	100.0
CCT4	NM_006430.3	100.0
CCT5	NM_012073.3	100.0
CCT6A	NM_001762.3	100.0
CCT6B	NM_006584.3	100.0
CCT7	NM_006429.3	100.0
CCT8	NM_006585.2	100.0
CCT8L2	NM_014406.4	100.0
CCZ1	NM_015622.5	100.0
CCZ1B	NM_198097.3	99.9
CD101	NM_004258.5	100.0
CD109	NM_133493.3	100.0
CD14	NM_000591.3	100.0
CD151	NM_004357.4	100.0
CD160	NM_007053.3	100.0
CD163	NM_004244.5	100.0
CD163L1	NM_174941.4	100.0
CD164	NM_006016.4	100.0
CD164L2	NM_207397.2	100.0
CD177	NM_020406.2	100.0
CD180	NM_005582.2	100.0
CD19	NM_001770.5	100.0
CD1A	NM_001763.2	100.0
CD1B	NM_001764.2	100.0
CD1C	NM_001765.2	100.0
CD1D	NM_001766.3	100.0
CD1E	NM_030893.3	100.0
CD2	NM_001767.3	100.0
CD200	NM_005944.5	100.0
CD200R1	NM_138806.3	100.0
CD200R1L	NM_001008784.2	100.0
CD207	NM_015717.3	100.0
CD209	NM_021155.3	100.0

CD22	NM_001771.3	100.0
CD226	NM_006566.2	100.0
CD244	NM_016382.3	100.0
CD247	NM_198053.2	100.0
CD248	NM_020404.2	100.0
CD27	NM_001242.4	100.0
CD274	NM_014143.3	100.0
CD276	NM_025240.2	100.0
CD28	NM_006139.3	100.0
CD2AP	NM_012120.2	100.0
CD2BP2	NM_006110.2	100.0
CD300A	NM_007261.3	100.0
CD300C	NM_006678.4	100.0
CD300E	NM_181449.2	100.0
CD300LB	NM_174892.3	100.0
CD300LD	NM_001115152.1	100.0
CD300LF	NM_139018.3	100.0
CD300LG	NM_145273.3	100.0
CD302	NM_014880.4	100.0
CD320	NM_016579.3	100.0
CD33	NM_001772.3	100.0
CD34	NM_001773.2	100.0
CD36	NM_001001547.2	100.0
CD37	NM_001774.2	100.0
CD38	NM_001775.2	100.0
CD3D	NM_000732.4	100.0
CD3E	NM_000733.3	100.0
CD3EAP	NM_012099.1	100.0
CD3G	NM_000073.2	100.0
CD4	NM_000616.4	100.0
CD40	NM_001250.4	100.0
CD40LG	NM_000074.2	100.0
CD44	NM_000610.3	100.0
CD46	NM_002389.4	100.0
CD47	NM_001777.3	100.0
CD48	NM_001778.3	100.0
CD5	NM_014207.3	100.0
CD52	NM_001803.2	100.0
CD53	NM_000560.3	100.0
CD55	NM_000574.3	100.0

CD58	NM_001779.2	100.0
CD59	NM_203330.2	100.0
CD5L	NM_005894.2	100.0
CD6	NM_006725.4	98.9
CD63	NM_001780.5	100.0
CD68	NM_001251.2	100.0
CD69	NM_001781.2	100.0
CD7	NM_006137.6	100.0
CD70	NM_001252.3	100.0
CD72	NM_001782.2	100.0
CD74	NM_004355.3	100.0
CD79A	NM_001783.3	100.0
CD79B	NM_000626.2	100.0
CD80	NM_005191.3	100.0
CD81	NM_004356.3	100.0
CD82	NM_002231.3	100.0
CD83	NM_004233.3	100.0
CD84	NM_003874.3	100.0
CD86	NM_006889.4	100.0
CD8A	NM_001768.6	100.0
CD8B	NM_004931.4	100.0
CD9	NM_001769.3	100.0
CD93	NM_012072.3	100.0
CD96	NM_198196.2	100.0
CD97	NM_001784.4	100.0
CD99	NM_002414.3	50.0
CD99L2	NM_031462.3	99.9
CDA	NM_001785.2	100.0
CDADC1	NM_030911.3	100.0
CDAN1	NM_138477.2	99.8
CDC123	NM_006023.2	100.0
CDC14A	NM_003672.3	100.0
CDC14B	NM_003671.3	100.0
CDC16	NM_003903.3	100.0
CDC20	NM_001255.2	100.0
CDC20B	NM_152623.2	100.0
CDC23	NM_004661.3	100.0
CDC25A	NM_001789.2	100.0
CDC25B	NM_004358.3	100.0
CDC25C	NM_001790.3	100.0

CDC26	NM_139286.3	100.0
CDC27	NM_001256.3	100.0
CDC34	NM_004359.1	100.0
CDC37	NM_007065.3	100.0
CDC37L1	NM_017913.2	100.0
CDC40	NM_015891.2	100.0
CDC42	NM_001791.3	100.0
CDC42BPA	NM_003607.3	100.0
CDC42BPB	NM_006035.3	100.0
CDC42BPG	NM_017525.2	99.6
CDC42EP1	NM_152243.2	100.0
CDC42EP2	NM_006779.3	100.0
CDC42EP3	NM_006449.4	100.0
CDC42EP4	NM_012121.4	100.0
CDC42EP5	NM_145057.2	91.8
CDC42SE1	NM_020239.3	100.0
CDC42SE2	NM_020240.2	100.0
CDC45	NM_003504.4	100.0
CDC5L	NM_001253.3	100.0
CDC6	NM_001254.3	100.0
CDC7	NM_003503.3	100.0
CDC73	NM_024529.4	100.0
CDCA2	NM_152562.2	100.0
CDCA3	NM_031299.4	100.0
CDCA4	NM_017955.3	100.0
CDCA5	NM_080668.3	100.0
CDCA7	NM_031942.4	100.0
CDCA7L	NM_018719.4	100.0
CDCA8	NM_018101.3	100.0
CDCP1	NM_022842.4	100.0
CDCP2	NM_201546.3	100.0
CDH1	NM_004360.3	100.0
CDH10	NM_006727.3	100.0
CDH11	NM_001797.2	100.0
CDH12	NM_004061.3	100.0
CDH13	NM_001257.4	100.0
CDH15	NM_004933.2	100.0
CDH16	NM_004062.3	100.0
CDH17	NM_004063.3	100.0
CDH18	NM_004934.3	100.0

CDH19	NM_021153.3	100.0
CDH2	NM_001792.3	100.0
CDH20	NM_031891.2	100.0
CDH22	NM_021248.2	99.8
CDH23	NM_022124.5	100.0
CDH24	NM_022478.3	99.9
CDH26	NM_021810.4	100.0
CDH3	NM_001793.4	100.0
CDH4	NM_001794.3	100.0
CDH5	NM_001795.3	100.0
CDH6	NM_004932.3	100.0
CDH7	NM_004361.2	100.0
CDH9	NM_016279.3	100.0
CDHR1	NM_033100.3	100.0
CDHR2	NM_017675.4	100.0
CDHR3	NM_152750.4	100.0
CDHR4	NM_001007540.2	100.0
CDHR5	NM_021924.4	100.0
CDIP1	NM_001199054.1	100.0
CDIPT	NM_006319.3	100.0
CDK1	NM_001786.4	100.0
CDK10	NM_052987.3	100.0
CDK11A	NM_024011.2	100.0
CDK11B	NM_033486.1	99.6
CDK12	NM_015083.1	100.0
CDK13	NM_003718.4	98.7
CDK14	NM_012395.2	100.0
CDK15	NM_139158.2	100.0
CDK16	NM_006201.4	100.0
CDK17	NM_002595.4	100.0
CDK18	NM_002596.3	100.0
CDK19	NM_015076.3	100.0
CDK2	NM_001798.3	100.0
CDK20	NM_012119.4	100.0
CDK2AP1	NM_004642.3	100.0
CDK2AP2	NM_005851.4	100.0
CDK3	NM_001258.2	100.0
CDK4	NM_000075.3	100.0
CDK5	NM_004935.3	100.0
CDK5R1	NM_003885.2	100.0

CDK5R2	NM_003936.4	93.5
CDK5RAP1	NM_016082.4	100.0
CDK5RAP2	NM_018249.5	100.0
CDK5RAP3	NM_176096.2	100.0
CDK6	NM_001259.6	100.0
CDK7	NM_001799.3	100.0
CDK8	NM_001260.1	100.0
CDK9	NM_001261.3	100.0
CDKAL1	NM_017774.3	100.0
CDKL1	NM_004196.3	100.0
CDKL2	NM_003948.3	100.0
CDKL3	NM_001113575.1	100.0
CDKL4	NM_001009565.1	100.0
CDKL5	NM_003159.2	100.0
CDKN1A	NM_078467.2	100.0
CDKN1B	NM_004064.3	100.0
CDKN1C	NM_000076.2	88.7
CDKN2A	NM_000077.4	100.0
CDKN2AIP	NM_017632.2	99.9
CDKN2AIPNL	NM_080656.2	100.0
CDKN2B	NM_004936.3	100.0
CDKN2C	NM_001262.2	100.0
CDKN2D	NM_001800.3	100.0
CDKN3	NM_005192.3	100.0
CDNF	NM_001029954.2	100.0
CDO1	NM_001801.2	100.0
CDON	NM_016952.4	100.0
CDPF1	NM_207327.4	100.0
CDR1	NM_004065.2	100.0
CDR2	NM_001802.1	100.0
CDR2L	NM_014603.2	100.0
CDRT1	NM_006382.3	100.0
CDRT15	NM_001007530.1	100.0
CDRT15L2	NM_001190790.1	100.0
CDRT4	NM_001204477.1	100.0
CDS1	NM_001263.3	100.0
CDS2	NM_003818.3	100.0
CDSN	NM_001264.4	100.0
CDT1	NM_030928.3	94.2
CDV3	NM_017548.4	89.3

CDX1	NM_001804.2	95.5
CDX2	NM_001265.4	100.0
CDX4	NM_005193.1	100.0
CDYL	NM_004824.3	100.0
CDYL2	NM_152342.2	100.0
CEACAM1	NM_001712.4	100.0
CEACAM16	NM_001039213.2	100.0
CEACAM18	NM_001278392.1	100.0
CEACAM19	NM_020219.3	100.0
CEACAM20	NM_001102597.1	100.0
CEACAM21	NM_033543.3	100.0
CEACAM3	NM_001815.3	100.0
CEACAM4	NM_001817.2	100.0
CEACAM5	NM_004363.2	100.0
CEACAM6	NM_002483.4	100.0
CEACAM7	NM_006890.3	100.0
CEACAM8	NM_001816.3	100.0
CEBPA	NM_004364.3	90.9
CEBPB	NM_005194.3	95.4
CEBPD	NM_005195.3	86.8
CEBPE	NM_001805.3	100.0
CEBPG	NM_001806.3	100.0
CEBPZ	NM_005760.2	100.0
CECR1	NM_017424.2	100.0
CECR2	NM_031413.3	100.0
CECR5	NM_033070.2	98.9
CECR6	NM_031890.3	95.8
CEL	NM_001807.4	99.8
CELA1	NM_001971.5	99.9
CELA2A	NM_033440.2	100.0
CELA2B	NM_015849.2	100.0
CELA3A	NM_005747.4	100.0
CELA3B	NM_007352.2	100.0
CELF1	NM_006560.3	100.0
CELF2	NM_006561.3	100.0
CELF3	NM_007185.4	100.0
CELF5	NM_021938.3	98.5
CELF6	NM_052840.4	99.7
CELSR1	NM_014246.1	96.6
CELSR2	NM_001408.2	100.0

CELSR3	NM_001407.2	100.0
CEMP1	NM_001048212.3	100.0
CEND1	NM_016564.3	99.9
CENPA	NM_001809.3	100.0
CENPB	NM_001810.5	99.1
CENPBD1	NM_145039.3	100.0
CENPC	NM_001812.2	100.0
CENPE	NM_001813.2	100.0
CENPF	NM_016343.3	100.0
CENPH	NM_022909.3	100.0
CENPI	NM_006733.2	100.0
CENPJ	NM_018451.4	100.0
CENPK	NM_022145.4	100.0
CENPL	NM_033319.3	100.0
CENPM	NM_024053.3	100.0
CENPN	NM_018455.5	100.0
CENPO	NM_024322.2	100.0
CENPP	NM_001012267.1	100.0
CENPQ	NM_018132.3	100.0
CENPT	NM_025082.3	100.0
CENPV	NM_181716.2	94.5
CENPW	NM_001012507.2	100.0
CEP104	NM_014704.3	100.0
CEP112	NM_145036.3	100.0
CEP120	NM_153223.3	100.0
CEP128	NM_152446.3	100.0
CEP135	NM_025009.4	100.0
CEP152	NM_014985.3	100.0
CEP164	NM_014956.4	100.0
CEP170	NM_014812.2	100.0
CEP170B	NM_001112726.2	100.0
CEP19	NM_032898.3	100.0
CEP192	NM_032142.3	100.0
CEP250	NM_007186.3	100.0
CEP290	NM_025114.3	100.0
CEP350	NM_014810.4	100.0
CEP41	NM_018718.2	100.0
CEP44	NM_001040157.2	100.0
CEP55	NM_018131.4	100.0
CEP57	NM_014679.4	100.0

CEP57L1	NM_173830.4	100.0
CEP63	NM_025180.3	100.0
CEP68	NM_015147.2	100.0
CEP70	NM_024491.2	100.0
CEP72	NM_018140.3	100.0
CEP76	NM_024899.3	100.0
CEP78	NM_032171.1	100.0
CEP85	NM_022778.3	100.0
CEP85L	NM_001042475.2	100.0
CEP95	NM_138363.1	100.0
CEP97	NM_024548.2	100.0
CEPT1	NM_006090.3	100.0
CER1	NM_005454.2	100.0
CERCAM	NM_016174.4	99.6
CERK	NM_022766.5	98.8
CERKL	NM_001030311.2	100.0
CERS1	NM_021267.3	83.7
CERS2	NM_181746.3	100.0
CERS3	NM_178842.3	100.0
CERS4	NM_024552.2	100.0
CERS5	NM_147190.2	100.0
CERS6	NM_203463.2	100.0
CES1	NM_001025194.1	99.9
CES2	NM_003869.5	100.0
CES3	NM_024922.5	100.0
CES4A	NM_001190201.1	100.0
CES5A	NM_145024.2	100.0
CETN1	NM_004066.1	100.0
CETN2	NM_004344.1	100.0
CETN3	NM_004365.2	100.0
CETP	NM_000078.2	100.0
CFB	NM_001710.5	100.0
CFC1	NM_032545.3	100.0
CFC1B	NM_001079530.1	95.3
CFD	NM_001928.2	100.0
CFDP1	NM_006324.2	100.0
CFH	NM_000186.3	100.0
CFHR1	NM_002113.2	97.8
CFHR2	NM_005666.2	100.0
CFHR3	NM_021023.5	98.6

CFHR4	NM_006684.4	100.0
CFHR5	NM_030787.3	100.0
CFI	NM_000204.3	100.0
CFL1	NM_005507.2	100.0
CFL2	NM_021914.7	100.0
CFLAR	NM_003879.5	100.0
CFP	NM_002621.2	100.0
CFTR	NM_000492.3	100.0
CGA	NM_000735.3	100.0
CGB	NM_000737.3	99.5
CGB1	NM_033377.1	100.0
CGB2	NM_033378.1	100.0
CGB5	NM_033043.1	100.0
CGB7	NM_033142.1	100.0
CGB8	NM_033183.2	100.0
CGGBP1	NM_003663.3	100.0
CGN	NM_020770.2	100.0
CGNL1	NM_032866.4	100.0
CGREF1	NM_006569.5	100.0
CGRRF1	NM_006568.2	100.0
CH25H	NM_003956.3	100.0
CHAC1	NM_024111.3	100.0
CHAC2	NM_001008708.2	100.0
CHAD	NM_001267.2	100.0
CHADL	NM_138481.1	96.5
CHAF1A	NM_005483.2	100.0
CHAF1B	NM_005441.2	100.0
CHAMP1	NM_032436.2	100.0
CHAT	NM_020549.4	100.0
CHCHD1	NM_203298.2	100.0
CHCHD10	NM_213720.1	97.3
CHCHD2	NM_016139.2	100.0
CHCHD3	NM_017812.2	100.0
CHCHD4	NM_144636.2	100.0
CHCHD5	NM_032309.2	100.0
CHCHD6	NM_032343.2	100.0
CHCHD7	NM_024300.3	100.0
CHD1	NM_001270.2	100.0
CHD1L	NM_004284.4	100.0
CHD2	NM_001271.3	100.0

CHD3	NM_001005271.2	98.7
CHD4	NM_001273.2	100.0
CHD5	NM_015557.2	100.0
CHD6	NM_032221.4	100.0
CHD7	NM_017780.3	100.0
CHD8	NM_001170629.1	100.0
CHD9	NM_025134.4	100.0
CHDC2	NM_173695.2	100.0
CHDH	NM_018397.4	100.0
CHEK1	NM_001274.5	100.0
CHEK2	NM_007194.3	100.0
CHERP	NM_006387.5	100.0
CHFR	NM_018223.2	95.0
CHGA	NM_001275.3	100.0
CHGB	NM_001819.2	100.0
CHI3L1	NM_001276.2	100.0
CHI3L2	NM_004000.2	100.0
CHIA	NM_201653.3	100.0
CHIC1	NM_001039840.2	100.0
CHIC2	NM_012110.3	100.0
CHID1	NM_023947.3	100.0
CHIT1	NM_003465.2	100.0
CHKA	NM_001277.2	88.6
CHKB	NM_005198.4	100.0
CHL1	NM_006614.3	100.0
CHM	NM_000390.2	100.0
CHML	NM_001821.3	100.0
CHMP1A	NM_002768.4	100.0
CHMP1B	NM_020412.4	100.0
CHMP2A	NM_014453.2	100.0
CHMP2B	NM_014043.3	100.0
CHMP3	NM_016079.3	100.0
CHMP4A	NM_014169.3	100.0
CHMP4B	NM_176812.4	100.0
CHMP4C	NM_152284.3	100.0
CHMP5	NM_016410.5	100.0
CHMP6	NM_024591.4	100.0
CHMP7	NM_152272.3	100.0
CHN1	NM_001822.5	100.0
CHN2	NM_004067.2	100.0

CHODL	NM_024944.2	100.0
CHORDC1	NM_012124.2	100.0
CHP1	NM_007236.4	100.0
CHP2	NM_022097.3	100.0
CHPF	NM_024536.5	100.0
CHPF2	NM_019015.1	100.0
CHPT1	NM_020244.2	97.2
CHRA1	NM_017444.5	100.0
CHRD	NM_003741.2	99.9
CHRD1	NM_001143981.1	100.0
CHRD2	NM_015424.4	100.0
CHRFAM7A	NM_139320.1	98.5
CHRM1	NM_000738.2	100.0
CHRM2	NM_000739.2	100.0
CHRM3	NM_000740.2	100.0
CHRM4	NM_000741.2	100.0
CHRM5	NM_012125.3	100.0
CHRNA1	NM_000079.3	100.0
CHRNA10	NM_020402.2	100.0
CHRNA2	NM_000742.3	100.0
CHRNA3	NM_000743.4	100.0
CHRNA4	NM_000744.6	100.0
CHRNA5	NM_000745.3	99.2
CHRNA6	NM_004198.3	100.0
CHRNA7	NM_000746.5	98.0
CHRNA9	NM_017581.3	100.0
CHRNA1	NM_000747.2	100.0
CHRNA2	NM_000748.2	100.0
CHRNA3	NM_000749.3	100.0
CHRNA4	NM_000750.3	100.0
CHRNA	NM_000751.2	100.0
CHRNA	NM_000080.3	100.0
CHRNA	NM_005199.4	100.0
CHST1	NM_003654.5	100.0
CHST10	NM_004854.4	100.0
CHST11	NM_018413.5	100.0
CHST12	NM_018641.4	100.0
CHST13	NM_152889.2	97.6
CHST14	NM_130468.3	99.0
CHST15	NM_014863.3	100.0

CHST2	NM_004267.4	98.5
CHST3	NM_004273.4	100.0
CHST4	NM_005769.2	100.0
CHST5	NM_024533.4	100.0
CHST6	NM_021615.4	100.0
CHST7	NM_019886.2	96.1
CHST8	NM_001127896.1	100.0
CHST9	NM_031422.5	100.0
CHSY1	NM_014918.4	98.4
CHSY3	NM_175856.4	100.0
CHTF18	NM_022092.2	100.0
CHTF8	NM_001039690.3	100.0
CHTOP	NM_015607.3	100.0
CHUK	NM_001278.3	100.0
CHURC1	NM_145165.3	100.0
CHURC1-FNTB	NM_001202558.1	100.0
CIAO1	NM_004804.2	100.0
CIAPIN1	NM_020313.2	100.0
CIB1	NM_006384.3	100.0
CIB2	NM_006383.3	100.0
CIB3	NM_054113.2	100.0
CIB4	NM_001029881.1	100.0
CIC	NM_015125.3	100.0
CIDEA	NM_001279.3	100.0
CIDEB	NM_014430.2	100.0
CIDEC	NM_022094.3	100.0
CIITA	NM_000246.3	100.0
CILP	NM_003613.3	100.0
CILP2	NM_153221.2	100.0
CINP	NM_032630.2	100.0
CIR1	NM_004882.3	100.0
CIRBP	NM_001280.2	100.0
CIRH1A	NM_032830.2	100.0
CISD1	NM_018464.4	100.0
CISD2	NM_001008388.4	100.0
CISD3	NM_001136498.1	95.8
CISH	NM_013324.5	100.0
CIT	NM_007174.2	100.0
CITED1	NM_004143.3	100.0
CITED2	NM_006079.4	98.1

CITED4	NM_133467.2	83.7
CIZ1	NM_012127.2	100.0
CKAP2	NM_018204.3	100.0
CKAP2L	NM_152515.3	100.0
CKAP4	NM_006825.3	93.7
CKAP5	NM_014756.3	100.0
CKB	NM_001823.4	100.0
CKLF	NM_016326.3	100.0
CKLF-CMTM1	NM_001202509.1	100.0
CKM	NM_001824.4	100.0
CKMT1A	NM_001015001.1	100.0
CKMT1B	NM_020990.3	100.0
CKMT2	NM_001825.2	100.0
CKS1B	NM_001826.2	100.0
CKS2	NM_001827.1	100.0
CLASP1	NM_015282.2	100.0
CLASRP	NM_007056.2	100.0
CLC	NM_001828.5	100.0
CLCA1	NM_001285.3	100.0
CLCA2	NM_006536.5	100.0
CLCA4	NM_012128.3	100.0
CLCC1	NM_015127.4	100.0
CLCF1	NM_013246.2	100.0
CLCN1	NM_000083.2	100.0
CLCN2	NM_004366.5	100.0
CLCN3	NM_001829.3	100.0
CLCN4	NM_001830.3	100.0
CLCN5	NM_000084.3	100.0
CLCN6	NM_001286.3	100.0
CLCN7	NM_001287.5	99.6
CLCNKA	NM_004070.3	100.0
CLCNKB	NM_000085.4	100.0
CLDN1	NM_021101.4	100.0
CLDN10	NM_006984.4	100.0
CLDN11	NM_005602.5	100.0
CLDN12	NM_012129.4	100.0
CLDN14	NM_144492.2	100.0
CLDN15	NM_014343.2	100.0
CLDN16	NM_006580.3	100.0
CLDN17	NM_012131.2	100.0

CLDN18	NM_016369.3	100.0
CLDN19	NM_148960.2	99.8
CLDN2	NM_020384.3	100.0
CLDN20	NM_001001346.3	100.0
CLDN22	NM_001111319.1	100.0
CLDN23	NM_194284.2	100.0
CLDN24	NM_001185149.1	100.0
CLDN25	NM_001101389.1	100.0
CLDN3	NM_001306.3	100.0
CLDN4	NM_001305.3	100.0
CLDN5	NM_003277.3	100.0
CLDN6	NM_021195.4	100.0
CLDN7	NM_001307.5	100.0
CLDN8	NM_199328.2	100.0
CLDN9	NM_020982.3	100.0
CLDND1	NM_019895.2	100.0
CLDND2	NM_152353.2	100.0
CLEC10A	NM_006344.2	100.0
CLEC11A	NM_002975.2	100.0
CLEC12A	NM_138337.5	100.0
CLEC12B	NM_205852.2	100.0
CLEC14A	NM_175060.2	100.0
CLEC16A	NM_015226.2	100.0
CLEC17A	NM_207390.3	100.0
CLEC18A	NM_182619.3	100.0
CLEC18B	NM_001011880.2	100.0
CLEC18C	NM_173619.2	100.0
CLEC19A	NM_001256720.1	100.0
CLEC1A	NM_016511.2	100.0
CLEC1B	NM_016509.3	100.0
CLEC2A	NM_001130711.1	100.0
CLEC2B	NM_005127.2	100.0
CLEC2D	NM_013269.5	100.0
CLEC2L	NM_001080511.2	88.3
CLEC3A	NM_005752.4	100.0
CLEC3B	NM_003278.2	100.0
CLEC4A	NM_016184.3	100.0
CLEC4C	NM_130441.2	100.0
CLEC4D	NM_080387.4	100.0
CLEC4E	NM_014358.2	100.0

CLEC4F	NM_173535.2	100.0
CLEC4G	NM_198492.3	100.0
CLEC4M	NM_014257.4	100.0
CLEC5A	NM_013252.2	100.0
CLEC6A	NM_001007033.1	100.0
CLEC7A	NM_197947.2	100.0
CLEC9A	NM_207345.2	100.0
CLECL1	NM_172004.3	100.0
CLGN	NM_004362.2	100.0
CLHC1	NM_152385.2	100.0
CLIC1	NM_001288.4	100.0
CLIC2	NM_001289.4	100.0
CLIC3	NM_004669.2	100.0
CLIC4	NM_013943.2	100.0
CLIC5	NM_001114086.1	100.0
CLIC6	NM_053277.1	100.0
CLINT1	NM_014666.3	100.0
CLIP1	NM_002956.2	100.0
CLIP2	NM_003388.4	100.0
CLIP3	NM_015526.2	100.0
CLIP4	NM_024692.4	100.0
CLK1	NM_004071.3	100.0
CLK2	NM_003993.2	100.0
CLK3	NM_003992.4	100.0
CLK4	NM_020666.2	100.0
CLLU1	NM_001025233.1	100.0
CLLU1OS	NM_001025232.1	100.0
CLMN	NM_024734.3	100.0
CLMP	NM_024769.2	100.0
CLN3	NM_001042432.1	100.0
CLN5	NM_006493.2	100.0
CLN6	NM_017882.2	100.0
CLN8	NM_018941.3	100.0
CLNK	NM_052964.2	100.0
CLNS1A	NM_001293.2	100.0
CLOCK	NM_004898.3	100.0
CLP1	NM_006831.2	100.0
CLPB	NM_030813.4	100.0
CLPP	NM_006012.2	100.0
CLPS	NM_001832.3	100.0

CLPSL1	NM_001010886.3	100.0
CLPSL2	NM_207409.2	100.0
CLPTM1	NM_001294.2	100.0
CLPTM1L	NM_030782.3	100.0
CLPX	NM_006660.3	100.0
CLRN1	NM_174878.2	100.0
CLRN2	NM_001079827.2	100.0
CLRN3	NM_152311.3	100.0
CLSPN	NM_001190481.1	100.0
CLSTN1	NM_001009566.1	98.1
CLSTN2	NM_022131.2	100.0
CLSTN3	NM_014718.3	100.0
CLTA	NM_001833.3	100.0
CLTB	NM_001834.3	100.0
CLTCL1	NM_007098.3	100.0
CLU	NM_001831.3	100.0
CLUAP1	NM_015041.2	100.0
CLUH	NM_015229.3	100.0
CLUL1	NM_014410.4	100.0
CLVS1	NM_173519.2	100.0
CLVS2	NM_001010852.2	100.0
CLYBL	NM_206808.2	100.0
CMA1	NM_001836.3	100.0
CMAS	NM_018686.4	100.0
CMBL	NM_138809.3	100.0
CMC1	NM_182523.1	100.0
CMC2	NM_020188.3	100.0
CMC4	NM_001018024.2	100.0
CMIP	NM_198390.2	100.0
CMKLR1	NM_004072.2	100.0
CMPK1	NM_001136140.1	100.0
CMPK2	NM_207315.3	94.8
CMSS1	NM_032359.3	100.0
CMTM1	NM_052999.3	100.0
CMTM2	NM_144673.2	100.0
CMTM3	NM_144601.3	97.7
CMTM4	NM_178818.2	99.8
CMTM5	NM_138460.2	100.0
CMTM6	NM_017801.2	100.0
CMTM7	NM_138410.2	98.1

CMTM8	NM_178868.3	100.0
CMTR1	NM_015050.2	100.0
CMTR2	NM_018348.5	100.0
CMYA5	NM_153610.3	100.0
CNBD1	NM_173538.2	100.0
CNBD2	NM_080834.2	100.0
CNBP	NM_003418.4	100.0
CNDP1	NM_032649.5	100.0
CNDP2	NM_018235.2	100.0
CNEP1R1	NM_153261.4	100.0
CNFN	NM_032488.3	100.0
CNGA1	NM_000087.3	100.0
CNGA2	NM_005140.1	100.0
CNGA3	NM_001298.2	100.0
CNGA4	NM_001037329.3	100.0
CNGB1	NM_001297.4	100.0
CNGB3	NM_019098.4	100.0
CNIH	NM_005776.2	100.0
CNIH2	NM_182553.2	100.0
CNIH3	NM_152495.1	100.0
CNIH4	NM_014184.3	100.0
CNKSR1	NM_006314.2	100.0
CNKSR2	NM_014927.3	100.0
CNKSR3	NM_173515.2	100.0
CNN1	NM_001299.4	100.0
CNN2	NM_004368.2	100.0
CNN3	NM_001839.3	100.0
CNNM1	NM_020348.2	100.0
CNNM2	NM_017649.4	100.0
CNNM3	NM_017623.4	84.2
CNNM4	NM_020184.3	98.2
CNOT1	NM_001265612.1	100.0
CNOT10	NM_015442.2	100.0
CNOT11	NM_017546.4	100.0
CNOT2	NM_014515.5	100.0
CNOT3	NM_014516.3	100.0
CNOT4	NM_001190850.1	100.0
CNOT6	NM_015455.3	100.0
CNOT6L	NM_144571.2	100.0
CNOT7	NM_013354.5	100.0

CNOT8	NM_004779.4	100.0
CNP	NM_033133.4	100.0
CNPPD1	NM_015680.4	100.0
CNPY1	NM_001103176.1	100.0
CNPY2	NM_014255.5	100.0
CNPY3	NM_006586.3	100.0
CNPY4	NM_152755.1	100.0
CNR1	NM_016083.4	100.0
CNR2	NM_001841.2	100.0
CNRIP1	NM_015463.2	100.0
CNST	NM_152609.2	100.0
CNTD1	NM_173478.2	100.0
CNTD2	NM_024877.3	100.0
CNTF	NM_000614.3	100.0
CNTFR	NM_001842.4	100.0
CNTLN	NM_017738.2	100.0
CNTN1	NM_001843.3	100.0
CNTN2	NM_005076.3	100.0
CNTN3	NM_020872.1	100.0
CNTN4	NM_175607.2	100.0
CNTN5	NM_014361.3	100.0
CNTN6	NM_014461.2	100.0
CNTNAP1	NM_003632.2	100.0
CNTNAP2	NM_014141.5	100.0
CNTNAP3	NM_033655.3	100.0
CNTNAP3B	NM_001201380.1	98.9
CNTNAP4	NM_033401.3	100.0
CNTNAP5	NM_130773.3	100.0
CNTRL	NM_007018.4	100.0
CNTROB	NM_053051.3	100.0
COA1	NM_018224.3	100.0
COA3	NM_001040431.2	100.0
COA4	NM_016565.2	100.0
COA5	NM_001008215.2	100.0
COA6	NM_001012985.2	100.0
COASY	NM_025233.6	100.0
COBL	NM_015198.3	99.7
COBLL1	NM_014900.4	100.0
COCH	NM_004086.2	100.0
COG1	NM_018714.2	100.0

COG2	NM_007357.2	100.0
COG3	NM_031431.3	100.0
COG4	NM_015386.2	100.0
COG5	NM_006348.3	100.0
COG6	NM_020751.2	100.0
COG7	NM_153603.3	100.0
COG8	NM_032382.4	100.0
COIL	NM_004645.2	100.0
COL10A1	NM_000493.3	100.0
COL11A1	NM_001854.3	100.0
COL11A2	NM_080680.2	100.0
COL12A1	NM_004370.5	100.0
COL13A1	NM_080798.3	99.9
COL14A1	NM_021110.2	100.0
COL15A1	NM_001855.4	100.0
COL16A1	NM_001856.3	100.0
COL17A1	NM_000494.3	100.0
COL18A1	NM_130445.2	100.0
COL19A1	NM_001858.4	100.0
COL1A1	NM_000088.3	100.0
COL1A2	NM_000089.3	100.0
COL20A1	NM_020882.2	100.0
COL21A1	NM_030820.3	100.0
COL22A1	NM_152888.1	100.0
COL23A1	NM_173465.3	95.5
COL24A1	NM_152890.5	100.0
COL25A1	NM_198721.2	100.0
COL26A1	NM_133457.3	100.0
COL27A1	NM_032888.2	100.0
COL28A1	NM_001037763.2	100.0
COL2A1	NM_001844.4	100.0
COL3A1	NM_000090.3	100.0
COL4A1	NM_001845.4	100.0
COL4A2	NM_001846.2	100.0
COL4A3	NM_000091.4	100.0
COL4A3BP	NM_001130105.1	100.0
COL4A4	NM_000092.4	100.0
COL4A5	NM_000495.4	100.0
COL4A6	NM_001847.2	100.0
COL5A1	NM_000093.4	99.2

COL5A2	NM_000393.3	100.0
COL5A3	NM_015719.3	100.0
COL6A1	NM_001848.2	100.0
COL6A2	NM_001849.3	100.0
COL6A3	NM_004369.3	100.0
COL6A5	NM_001278298.1	100.0
COL6A6	NM_001102608.1	100.0
COL7A1	NM_000094.3	100.0
COL8A1	NM_001850.4	100.0
COL8A2	NM_005202.2	99.8
COL9A1	NM_001851.4	100.0
COL9A2	NM_001852.3	100.0
COL9A3	NM_001853.3	100.0
COLEC10	NM_006438.3	100.0
COLEC11	NM_024027.4	100.0
COLEC12	NM_130386.2	100.0
COLGALT1	NM_024656.2	95.0
COLGALT2	NM_015101.2	100.0
COLQ	NM_005677.3	100.0
COMMD1	NM_152516.2	100.0
COMMD10	NM_016144.2	100.0
COMMD2	NM_016094.3	100.0
COMMD3	NM_012071.3	100.0
COMMD3-BMI1	NM_001204062.1	100.0
COMMD4	NM_017828.3	100.0
COMMD5	NM_014066.3	100.0
COMMD6	NM_203495.2	100.0
COMMD7	NM_053041.2	100.0
COMMD8	NM_017845.3	100.0
COMMD9	NM_014186.3	100.0
COMP	NM_000095.2	100.0
COMT	NM_000754.3	100.0
COMTD1	NM_144589.2	100.0
COPA	NM_004371.3	100.0
COPB1	NM_016451.4	100.0
COPB2	NM_004766.2	100.0
COPE	NM_007263.3	100.0
COPG1	NM_016128.3	100.0
COPG2	NM_012133.4	92.9
COPRS	NM_018405.3	92.9

COPS2	NM_001143887.1	100.0
COPS3	NM_003653.3	100.0
COPS4	NM_016129.2	100.0
COPS5	NM_006837.2	100.0
COPS6	NM_006833.4	100.0
COPS7A	NM_016319.2	100.0
COPS7B	NM_022730.1	100.0
COPS8	NM_006710.4	100.0
COPZ1	NM_016057.2	100.0
COPZ2	NM_016429.2	85.7
COQ10A	NM_144576.3	96.0
COQ10B	NM_025147.3	100.0
COQ2	NM_015697.7	99.6
COQ3	NM_017421.3	100.0
COQ4	NM_016035.3	100.0
COQ5	NM_032314.3	100.0
COQ6	NM_182476.2	100.0
COQ7	NM_016138.4	100.0
COQ9	NM_020312.3	100.0
CORIN	NM_006587.3	100.0
CORO1A	NM_007074.3	100.0
CORO1B	NM_020441.2	100.0
CORO1C	NM_014325.3	100.0
CORO2A	NM_003389.3	100.0
CORO2B	NM_006091.4	100.0
CORO6	NM_032854.3	100.0
CORO7	NM_024535.4	100.0
CORO7-PAM16	NM_001201479.1	100.0
CORT	NM_001302.4	100.0
COTL1	NM_021149.2	100.0
COX10	NM_001303.3	100.0
COX11	NM_004375.3	100.0
COX14	NM_032901.3	100.0
COX15	NM_004376.5	100.0
COX16	NM_016468.6	100.0
COX17	NM_005694.1	100.0
COX18	NM_173827.2	100.0
COX19	NM_001031617.2	100.0
COX20	NM_198076.4	100.0
COX4I1	NM_001861.3	100.0

COX4I2	NM_032609.2	100.0
COX5A	NM_004255.3	100.0
COX5B	NM_001862.2	100.0
COX6A1	NM_004373.3	100.0
COX6A2	NM_005205.3	100.0
COX6B1	NM_001863.4	100.0
COX6B2	NM_144613.4	100.0
COX6C	NM_004374.3	100.0
COX7A1	NM_001864.2	100.0
COX7A2	NM_001865.3	100.0
COX7A2L	NM_004718.2	100.0
COX7B	NM_001866.2	100.0
COX7B2	NM_130902.2	100.0
COX7C	NM_001867.2	100.0
COX8A	NM_004074.2	100.0
COX8C	NM_182971.2	100.0
CP	NM_000096.3	100.0
CPA1	NM_001868.2	100.0
CPA2	NM_001869.2	100.0
CPA3	NM_001870.2	100.0
CPA4	NM_016352.3	100.0
CPA5	NM_080385.4	100.0
CPA6	NM_020361.4	100.0
CPAMD8	NM_015692.2	99.2
CPB1	NM_001871.2	100.0
CPB2	NM_001872.4	100.0
CPD	NM_001304.4	99.5
CPE	NM_001873.2	99.3
CPEB1	NM_030594.3	100.0
CPEB2	NM_182485.2	95.0
CPEB3	NM_014912.4	99.9
CPEB4	NM_030627.2	100.0
CPED1	NM_024913.4	100.0
CPLX1	NM_006651.3	100.0
CPLX2	NM_006650.3	100.0
CPLX3	NM_001030005.2	100.0
CPLX4	NM_181654.3	100.0
CPM	NM_001874.4	100.0
CPN1	NM_001308.2	100.0
CPN2	NM_001080513.2	100.0

CPNE1	NM_003915.5	100.0
CPNE2	NM_152727.5	100.0
CPNE3	NM_003909.3	100.0
CPNE4	NM_130808.1	100.0
CPNE5	NM_020939.1	100.0
CPNE6	NM_006032.3	100.0
CPNE7	NM_014427.4	99.7
CPNE8	NM_153634.2	100.0
CPNE9	NM_153635.2	100.0
CPO	NM_173077.2	100.0
CPOX	NM_000097.5	99.7
CPPED1	NM_018340.2	100.0
CPQ	NM_016134.3	100.0
CPS1	NM_001875.4	100.0
CPSF1	NM_013291.2	100.0
CPSF2	NM_017437.2	100.0
CPSF3	NM_016207.3	100.0
CPSF3L	NM_017871.5	100.0
CPSF4	NM_006693.2	100.0
CPSF4L	NM_001129885.1	100.0
CPSF6	NM_007007.2	100.0
CPSF7	NM_024811.3	100.0
CPT1A	NM_001876.3	100.0
CPT1B	NM_004377.3	100.0
CPT1C	NM_152359.2	99.9
CPT2	NM_000098.2	100.0
CPVL	NM_019029.2	100.0
CPXCR1	NM_033048.5	100.0
CPXM1	NM_019609.4	100.0
CPXM2	NM_198148.2	100.0
CPZ	NM_003652.3	100.0
CR1	NM_000651.4	99.7
CR1L	NM_175710.1	100.0
CR2	NM_001006658.2	100.0
CRABP1	NM_004378.2	100.0
CRABP2	NM_001878.3	100.0
CRADD	NM_003805.3	100.0
CRAMP1L	NM_020825.3	99.7
CRAT	NM_000755.3	100.0
CRB1	NM_201253.2	100.0

CRB2	NM_173689.5	99.5
CRB3	NM_139161.3	100.0
CRBN	NM_016302.3	100.0
CRCP	NM_014478.4	100.0
CRCT1	NM_019060.2	100.0
CREB1	NM_134442.3	100.0
CREB3	NM_006368.4	100.0
CREB3L1	NM_052854.3	100.0
CREB3L2	NM_194071.3	99.9
CREB3L3	NM_032607.2	100.0
CREB3L4	NM_130898.3	100.0
CREB5	NM_004904.2	100.0
CREBBP	NM_004380.2	100.0
CREBL2	NM_001310.2	100.0
CREBRF	NM_153607.2	100.0
CREBZF	NM_001039618.2	100.0
CREG1	NM_003851.2	98.5
CREG2	NM_153836.3	95.7
CRELD1	NM_015513.4	100.0
CRELD2	NM_001135101.1	99.6
CREM	NM_001881.3	100.0
CRH	NM_000756.2	100.0
CRHBP	NM_001882.3	100.0
CRHR1	NM_004382.4	100.0
CRHR2	NM_001883.4	100.0
CRIM1	NM_016441.2	100.0
CRIP1	NM_001311.4	100.0
CRIP2	NM_001312.3	100.0
CRIP3	NM_206922.2	100.0
CRIPAK	NM_175918.3	99.3
CRIPT	NM_014171.4	100.0
CRISP1	NM_001131.2	100.0
CRISP2	NM_003296.3	100.0
CRISP3	NM_006061.2	100.0
CRISPLD1	NM_031461.5	100.0
CRISPLD2	NM_031476.3	100.0
CRLF1	NM_004750.4	97.7
CRLF2	NM_022148.2	50.0
CRLF3	NM_015986.3	100.0
CRLS1	NM_019095.4	94.8

CRMP1	NM_001014809.1	96.6
CRNKL1	NM_016652.5	100.0
CRNN	NM_016190.2	100.0
CROCC	NM_014675.3	99.5
CROT	NM_021151.3	100.0
CRP	NM_000567.2	100.0
CRTAC1	NM_018058.6	100.0
CRTAM	NM_019604.2	100.0
CRTAP	NM_006371.4	100.0
CRTC1	NM_015321.2	100.0
CRTC2	NM_181715.2	100.0
CRTC3	NM_022769.4	100.0
CRX	NM_000554.4	100.0
CRY1	NM_004075.4	100.0
CRY2	NM_021117.3	100.0
CRYAA	NM_000394.2	100.0
CRYAB	NM_001885.1	100.0
CRYBA1	NM_005208.4	100.0
CRYBA2	NM_057093.1	99.0
CRYBA4	NM_001886.2	100.0
CRYBB1	NM_001887.3	100.0
CRYBB2	NM_000496.2	100.0
CRYBB3	NM_004076.4	100.0
CRYBG3	NM_153605.3	100.0
CRYGA	NM_014617.3	100.0
CRYGB	NM_005210.3	100.0
CRYGC	NM_020989.3	100.0
CRYGD	NM_006891.3	100.0
CRYGN	NM_144727.1	100.0
CRYGS	NM_017541.2	100.0
CRYL1	NM_015974.2	100.0
CRYM	NM_001888.3	100.0
CRYZ	NM_001889.3	100.0
CRYZL1	NM_145858.2	100.0
CS	NM_004077.2	100.0
CSAD	NM_015989.4	100.0
CSAG1	NM_153478.1	100.0
CSAG2	NM_004909.3	100.0
CSAG3	NM_001129826.1	100.0
CSDC2	NM_014460.3	100.0

CSDE1	NM_001130523.2	100.0
CSE1L	NM_001316.3	100.0
CSF1	NM_000757.5	98.4
CSF1R	NM_005211.3	100.0
CSF2	NM_000758.3	100.0
CSF2RA	NM_006140.4	50.0
CSF2RB	NM_000395.2	100.0
CSF3	NM_000759.3	100.0
CSF3R	NM_000760.3	99.8
CSGALNACT1	NM_001130518.1	100.0
CSGALNACT2	NM_018590.4	100.0
CSH1	NM_001317.5	100.0
CSH2	NM_020991.3	100.0
CSHL1	NM_001318.2	100.0
CSK	NM_004383.2	100.0
CSMD1	NM_033225.5	100.0
CSMD2	NM_052896.3	100.0
CSMD3	NM_198123.1	100.0
CSN1S1	NM_001890.1	100.0
CSN2	NM_001891.2	100.0
CSN3	NM_005212.2	100.0
CSNK1A1	NM_001892.5	100.0
CSNK1A1L	NM_145203.5	100.0
CSNK1D	NM_001893.4	100.0
CSNK1E	NM_001894.4	100.0
CSNK1G1	NM_022048.3	100.0
CSNK1G2	NM_001319.6	100.0
CSNK1G3	NM_004384.4	100.0
CSNK2A1	NM_001895.3	100.0
CSNK2A2	NM_001896.2	100.0
CSNK2A3	NM_001256686.1	100.0
CSNK2B	NM_001320.5	100.0
CSPG4	NM_001897.4	100.0
CSPG5	NM_006574.3	99.6
CSPP1	NM_024790.6	100.0
CSRNP1	NM_033027.3	100.0
CSRNP2	NM_030809.2	100.0
CSRNP3	NM_024969.3	100.0
CSRP1	NM_004078.2	100.0
CSRP2	NM_001321.1	100.0

CSRP2BP	NM_020536.4	100.0
CSRP3	NM_003476.4	100.0
CST1	NM_001898.2	100.0
CST11	NM_080830.2	100.0
CST2	NM_001322.2	100.0
CST3	NM_000099.2	100.0
CST4	NM_001899.2	100.0
CST5	NM_001900.4	100.0
CST6	NM_001323.3	100.0
CST7	NM_003650.3	100.0
CST8	NM_005492.2	100.0
CST9	NM_001008693.2	100.0
CST9L	NM_080610.2	100.0
CSTA	NM_005213.3	100.0
CSTB	NM_000100.3	100.0
CSTF1	NM_001324.2	100.0
CSTF2	NM_001325.2	100.0
CSTF2T	NM_015235.2	100.0
CSTF3	NM_001326.2	100.0
CSTL1	NM_138283.1	100.0
CT45A5	NM_001172288.1	98.8
CT47B1	NM_001145718.1	100.0
CT62	NM_001102658.1	100.0
CTAG1A	NM_139250.1	100.0
CTAG1B	NM_001327.2	100.0
CTAG2	NM_020994.3	99.8
CTAGE1	NM_172241.2	100.0
CTAGE5	NM_005930.3	100.0
CTBP1	NM_001328.2	100.0
CTBP2	NM_022802.2	100.0
CTBS	NM_004388.2	99.9
CTC1	NM_025099.5	100.0
CTCF	NM_006565.3	100.0
CTCFL	NM_001269040.1	100.0
CTDNEP1	NM_015343.4	100.0
CTDP1	NM_004715.4	97.2
CTDSP1	NM_021198.2	100.0
CTDSP2	NM_005730.3	100.0
CTDSPL	NM_005808.2	100.0
CTDSPL2	NM_016396.2	100.0

CTF1	NM_001330.3	68.0
CTGF	NM_001901.2	95.8
CTH	NM_001902.5	100.0
CTHRC1	NM_138455.3	99.9
CTIF	NM_014772.2	100.0
CTLA4	NM_005214.4	100.0
CTNNA1	NM_001903.2	100.0
CTNNA2	NM_001164883.1	100.0
CTNNA3	NM_013266.2	100.0
CTNNAL1	NM_003798.2	100.0
CTNNB1	NM_001904.3	100.0
CTNNBIP1	NM_020248.2	100.0
CTNNBL1	NM_030877.4	100.0
CTNND1	NM_001085458.1	100.0
CTNND2	NM_001332.2	95.9
CTNS	NM_004937.2	100.0
CTPS1	NM_001905.2	100.0
CTPS2	NM_019857.3	100.0
CTR9	NM_014633.3	100.0
CTRB1	NM_001906.4	100.0
CTRB2	NM_001025200.3	100.0
CTRC	NM_007272.2	100.0
CTRL	NM_001907.2	100.0
CTSA	NM_000308.2	100.0
CTSB	NM_001908.3	100.0
CTSC	NM_001814.4	100.0
CTSD	NM_001909.4	100.0
CTSE	NM_001910.3	100.0
CTSF	NM_003793.3	98.5
CTSG	NM_001911.2	100.0
CTSH	NM_004390.3	100.0
CTSK	NM_000396.3	100.0
CTSL	NM_001912.4	100.0
CTSO	NM_001334.2	100.0
CTSS	NM_004079.4	100.0
CTSV	NM_001333.3	100.0
CTSW	NM_001335.3	100.0
CTSZ	NM_001336.3	99.9
CTTN	NM_005231.3	100.0
CTTNBP2	NM_033427.2	100.0

CTTNBP2NL	NM_018704.2	100.0
CTU1	NM_145232.3	90.1
CTU2	NM_001012759.1	100.0
CTXN1	NM_206833.3	99.9
CTXN2	NM_001145668.1	100.0
CTXN3	NM_001048252.2	100.0
CUBN	NM_001081.3	100.0
CUEDC1	NM_001271875.1	100.0
CUEDC2	NM_024040.2	100.0
CUL1	NM_003592.2	100.0
CUL2	NM_003591.3	100.0
CUL3	NM_003590.4	100.0
CUL4A	NM_003589.2	100.0
CUL4B	NM_003588.3	100.0
CUL5	NM_003478.3	100.0
CUL7	NM_014780.4	100.0
CUL9	NM_015089.2	100.0
CUTA	NM_015921.2	100.0
CUTC	NM_015960.2	100.0
CUX1	NM_001913.3	100.0
CUX2	NM_015267.3	100.0
CUZD1	NM_022034.5	100.0
CWC15	NM_016403.3	100.0
CWC22	NM_020943.2	100.0
CWC25	NM_017748.4	100.0
CWC27	NM_005869.2	100.0
CWF19L1	NM_018294.4	100.0
CWF19L2	NM_152434.2	100.0
CWH43	NM_025087.2	100.0
CX3CL1	NM_002996.3	100.0
CX3CR1	NM_001337.3	100.0
CXADR	NM_001338.4	100.0
CXCL1	NM_001511.3	100.0
CXCL10	NM_001565.3	100.0
CXCL11	NM_005409.4	100.0
CXCL12	NM_000609.6	100.0
CXCL13	NM_006419.2	100.0
CXCL14	NM_004887.4	100.0
CXCL16	NM_022059.2	100.0
CXCL17	NM_198477.1	100.0

CXCL2	NM_002089.3	100.0
CXCL3	NM_002090.2	100.0
CXCL5	NM_002994.4	100.0
CXCL6	NM_002993.3	100.0
CXCL9	NM_002416.1	100.0
CXCR1	NM_000634.2	100.0
CXCR2	NM_001557.3	100.0
CXCR3	NM_001504.1	100.0
CXCR4	NM_003467.2	100.0
CXCR5	NM_001716.4	100.0
CXCR6	NM_006564.1	100.0
CXorf21	NM_025159.2	100.0
CXorf22	NM_152632.3	100.0
CXorf23	NM_198279.3	100.0
CXorf27	NM_012274.1	100.0
CXorf30	NM_001098843.4	100.0
CXorf36	NM_024689.2	100.0
CXorf38	NM_144970.2	99.5
CXorf40A	NM_178124.4	100.0
CXorf40B	NM_001013845.1	99.8
CXorf48	NM_017863.2	100.0
CXorf49	NM_001145140.1	100.0
CXorf49B	NM_001145139.1	100.0
CXorf51A	NM_001144064.2	100.0
CXorf51B	NM_001244892.1	100.0
CXorf56	NM_022101.3	100.0
CXorf57	NM_018015.5	100.0
CXorf58	NM_152761.2	100.0
CXorf61	NM_001017978.3	100.0
CXorf64	NM_001122716.1	100.0
CXorf65	NM_001025265.2	100.0
CXorf66	NM_001013403.2	100.0
CXXC1	NM_014593.3	100.0
CXXC11	NM_173821.2	100.0
CXXC4	NM_025212.2	93.2
CXXC5	NM_016463.7	100.0
CYB561	NM_001915.3	100.0
CYB561A3	NM_153611.4	100.0
CYB561D1	NM_182580.2	100.0
CYB561D2	NM_007022.3	100.0

CYB5A	NM_001914.3	100.0
CYB5B	NM_030579.2	100.0
CYB5D1	NM_144607.4	100.0
CYB5D2	NM_144611.3	100.0
CYB5R1	NM_016243.2	100.0
CYB5R2	NM_016229.3	100.0
CYB5R3	NM_000398.6	99.1
CYB5R4	NM_016230.3	100.0
CYB5RL	NM_001031672.2	100.0
CYBA	NM_000101.3	100.0
CYBB	NM_000397.3	100.0
CYBRD1	NM_024843.3	100.0
CYC1	NM_001916.3	97.6
CYCS	NM_018947.5	100.0
CYFIP1	NM_014608.2	100.0
CYFIP2	NM_014376.2	100.0
CYGB	NM_134268.4	100.0
CYHR1	NM_032687.3	100.0
CYLC1	NM_021118.2	100.0
CYLC2	NM_001340.3	100.0
CYLD	NM_015247.2	100.0
CYorf17 (PRORY)*	XM_003846320.1	82.7
CYP11A1	NM_000781.2	100.0
CYP11B1	NM_000497.3	100.0
CYP11B2	NM_000498.3	100.0
CYP17A1	NM_000102.3	100.0
CYP19A1	NM_031226.2	100.0
CYP1A1	NM_000499.3	100.0
CYP1A2	NM_000761.3	100.0
CYP1B1	NM_000104.3	100.0
CYP20A1	NM_177538.2	100.0
CYP24A1	NM_000782.4	100.0
CYP26A1	NM_000783.3	100.0
CYP26B1	NM_019885.3	100.0
CYP26C1	NM_183374.2	98.5
CYP27A1	NM_000784.3	100.0
CYP27B1	NM_000785.3	100.0
CYP27C1	NM_001001665.3	100.0
CYP2A13	NM_000766.4	100.0
CYP2A6	NM_000762.5	100.0

CYP2A7	NM_000764.2	100.0
CYP2B6	NM_000767.4	100.0
CYP2C18	NM_000772.2	100.0
CYP2C19	NM_000769.1	100.0
CYP2C8	NM_000770.3	100.0
CYP2C9	NM_000771.3	100.0
CYP2D6	NM_000106.5	100.0
CYP2E1	NM_000773.3	100.0
CYP2F1	NM_000774.3	100.0
CYP2J2	NM_000775.2	100.0
CYP2R1	NM_024514.4	100.0
CYP2S1	NM_030622.6	100.0
CYP2U1	NM_183075.2	98.8
CYP2W1	NM_017781.2	100.0
CYP3A1	NM_016593.4	100.0
CYP3A4	NM_017460.5	100.0
CYP3A43	NM_022820.4	100.0
CYP3A5	NM_000777.3	100.0
CYP3A7	NM_000765.3	100.0
CYP3A7-CYP3AP1	NM_001256497.1	100.0
CYP46A1	NM_006668.1	100.0
CYP4A11	NM_000778.3	100.0
CYP4A22	NM_001010969.2	100.0
CYP4B1	NM_001099772.1	100.0
CYP4F11	NM_021187.3	100.0
CYP4F12	NM_023944.3	88.3
CYP4F2	NM_001082.3	100.0
CYP4F22	NM_173483.3	100.0
CYP4F3	NM_001199209.1	100.0
CYP4F8	NM_007253.3	100.0
CYP4V2	NM_207352.3	100.0
CYP4X1	NM_178033.1	100.0
CYP4Z1	NM_178134.2	100.0
CYP51A1	NM_000786.3	100.0
CYP7A1	NM_000780.3	100.0
CYP7B1	NM_004820.3	100.0
CYP8B1	NM_004391.2	100.0
CYR61	NM_001554.4	100.0
CYS1	NM_001037160.2	73.2
CYSLTR1	NM_006639.2	100.0

CYSLTR2	NM_020377.2	100.0
CYSTM1	NM_032412.3	100.0
CYTH1	NM_004762.2	100.0
CYTH2	NM_004228.6	100.0
CYTH3	NM_004227.3	100.0
CYTH4	NM_013385.3	100.0
CYTIP	NM_004288.4	100.0
CYTL1	NM_018659.2	100.0
CYYR1	NM_052954.2	100.0
D2HGDH	NM_152783.3	100.0
DAAM2	NM_015345.3	100.0
DAB1	NM_021080.3	100.0
DAB2	NM_001343.3	100.0
DACH1	NM_080759.4	96.1
DACH2	NM_053281.3	100.0
DACT1	NM_016651.5	99.0
DACT2	NM_214462.3	98.4
DACT3	NM_145056.2	87.8
DAD1	NM_001344.2	100.0
DAG1	NM_004393.5	100.0
DAGLA	NM_006133.2	100.0
DAGLB	NM_139179.3	100.0
DAK	NM_015533.3	100.0
DALRD3	NM_018114.5	100.0
DAND5	NM_152654.2	100.0
DAO	NM_001917.4	100.0
DAOA	NM_172370.4	100.0
DAP	NM_004394.2	100.0
DAP3	NM_004632.3	100.0
DAPK1	NM_004938.2	100.0
DAPK2	NM_014326.3	100.0
DAPK3	NM_001348.1	100.0
DAPL1	NM_001017920.2	100.0
DAPP1	NM_014395.2	100.0
DARC	NM_002036.3	100.0
DARS	NM_001349.2	100.0
DARS2	NM_018122.4	100.0
DAW1	NM_178821.1	100.0
DAXX	NM_001350.4	100.0
DAZ1*	NM_004081.5	100.0

DAZ2*	NM_020363.3	100.0
DAZ3*	NM_020364.3	100.0
DAZ4*	NM_001005375.2	100.0
DAZAP1	NM_018959.2	100.0
DAZAP2	NM_014764.3	100.0
DAZL	NM_001351.3	100.0
DBF4	NM_006716.3	100.0
DBF4B	NM_145663.2	100.0
DBH	NM_000787.3	100.0
DBI	NM_001079862.1	100.0
DBN1	NM_004395.3	100.0
DBNDD1	NM_024043.2	100.0
DBNDD2	NM_018478.3	100.0
DBNL	NM_014063.6	100.0
DBP	NM_001352.3	98.9
DBR1	NM_016216.3	100.0
DBT	NM_001918.3	100.0
DBX1	NM_001029865.2	100.0
DBX2	NM_001004329.2	100.0
DCAF10	NM_024345.3	100.0
DCAF11	NM_025230.4	100.0
DCAF12	NM_015397.3	100.0
DCAF12L1	NM_178470.4	100.0
DCAF12L2	NM_001013628.2	100.0
DCAF13	NM_015420.6	100.0
DCAF15	NM_138353.2	100.0
DCAF16	NM_017741.3	100.0
DCAF17	NM_025000.3	100.0
DCAF4	NM_015604.3	100.0
DCAF4L1	NM_001029955.3	100.0
DCAF4L2	NM_152418.3	100.0
DCAF5	NM_003861.2	100.0
DCAF6	NM_018442.3	100.0
DCAF7	NM_005828.4	99.9
DCAF8	NM_015726.3	100.0
DCAF8L1	NM_001017930.1	100.0
DCAF8L2	NM_001136533.1	100.0
DCAKD	NM_024819.4	100.0
DCBLD1	NM_173674.1	95.7
DCBLD2	NM_080927.3	100.0

DCC	NM_005215.3	100.0
DCD	NM_053283.2	100.0
DCDC1	NM_181807.3	100.0
DCDC2	NM_016356.4	100.0
DCDC2B	NM_001099434.1	100.0
DCDC2C	XM_001127882.4	99.9
DCDC5	NM_020869.3	100.0
DCHS1	NM_003737.2	99.8
DCHS2	NM_017639.3	100.0
DCK	NM_000788.2	100.0
DCLK1	NM_004734.4	100.0
DCLK2	NM_001040260.3	100.0
DCLK3	NM_033403.1	100.0
DCLRE1A	NM_014881.4	100.0
DCLRE1B	NM_022836.3	100.0
DCLRE1C	NM_001033855.1	100.0
DCN	NM_001920.3	100.0
DCP1A	NM_018403.5	100.0
DCP1B	NM_152640.3	100.0
DCP2	NM_152624.5	100.0
DCPS	NM_014026.3	100.0
DCST1	NM_152494.3	100.0
DCST2	NM_144622.2	100.0
DCSTAMP	NM_030788.3	100.0
DCT	NM_001922.3	100.0
DCTD	NM_001921.2	100.0
DCTN1	NM_004082.4	100.0
DCTN2	NM_006400.4	100.0
DCTN3	NM_007234.4	100.0
DCTN4	NM_001135643.1	100.0
DCTN5	NM_032486.3	100.0
DCTN6	NM_006571.3	100.0
DCTPP1	NM_024096.1	100.0
DCUN1D1	NM_020640.2	100.0
DCUN1D2	NM_001014283.1	100.0
DCUN1D3	NM_173475.2	100.0
DCUN1D4	NM_015115.2	100.0
DCUN1D5	NM_032299.3	100.0
DCX	NM_178153.2	100.0
DCXR	NM_016286.3	100.0

DDA1	NM_024050.5	100.0
DDAH1	NM_012137.3	99.6
DDAH2	NM_013974.1	100.0
DDB1	NM_001923.4	100.0
DDB2	NM_000107.2	100.0
DDC	NM_000790.3	100.0
DDHD1	NM_001160147.1	99.8
DDHD2	NM_015214.2	100.0
DDI1	NM_001001711.2	100.0
DDI2	NM_032341.4	100.0
DDIT3	NM_004083.5	99.9
DDIT4	NM_019058.2	100.0
DDIT4L	NM_145244.3	100.0
DDN	NM_015086.1	100.0
DDO	NM_003649.2	100.0
DDOST	NM_005216.4	100.0
DDR1	NM_013994.2	100.0
DDR2	NM_006182.2	100.0
DDRGK1	NM_023935.1	100.0
DDT	NM_001355.3	100.0
DDTL	NM_001084393.1	100.0
DDX1	NM_004939.2	100.0
DDX10	NM_004398.2	100.0
DDX11	NM_030653.3	100.0
DDX17	NM_006386.4	100.0
DDX18	NM_006773.3	100.0
DDX19A	NM_018332.3	100.0
DDX19B	NM_007242.5	100.0
DDX20	NM_007204.4	100.0
DDX21	NM_004728.3	100.0
DDX23	NM_004818.2	100.0
DDX24	NM_020414.3	100.0
DDX25	NM_013264.4	100.0
DDX26B	NM_182540.4	100.0
DDX27	NM_017895.7	100.0
DDX28	NM_018380.3	99.9
DDX31	NM_022779.7	100.0
DDX39A	NM_005804.3	100.0
DDX39B	NM_004640.6	100.0
DDX3X	NM_001356.3	100.0

DDX3Y*	NM_004660.3	100.0
DDX4	NM_024415.2	100.0
DDX41	NM_016222.2	100.0
DDX42	NM_007372.3	100.0
DDX43	NM_018665.2	100.0
DDX46	NM_014829.2	100.0
DDX47	NM_016355.3	100.0
DDX49	NM_019070.4	100.0
DDX5	NM_004396.3	100.0
DDX50	NM_024045.1	100.0
DDX51	NM_175066.3	92.6
DDX52	NM_007010.3	100.0
DDX54	NM_024072.3	100.0
DDX55	NM_020936.1	100.0
DDX56	NM_019082.3	100.0
DDX58	NM_014314.3	100.0
DDX59	NM_001031725.4	100.0
DDX6	NM_004397.4	100.0
DDX60	NM_017631.5	100.0
DDX60L	NM_001012967.1	100.0
DEAF1	NM_021008.2	97.8
DEC1	NM_017418.2	100.0
DECR1	NM_001359.1	100.0
DECR2	NM_020664.3	100.0
DEDD	NM_032998.2	100.0
DEDD2	NM_133328.3	100.0
DEF6	NM_022047.3	99.9
DEF8	NM_017702.3	100.0
DEFA4	NM_001925.1	100.0
DEFA5	NM_021010.1	100.0
DEFA6	NM_001926.3	100.0
DEFB1	NM_005218.3	100.0
DEFB103A	NM_001081551.2	100.0
DEFB103B	NM_018661.3	100.0
DEFB104A	NM_080389.2	100.0
DEFB104B	NM_001040702.1	100.0
DEFB105A	NM_152250.1	100.0
DEFB105B	NM_001040703.1	100.0
DEFB106A	NM_152251.3	100.0
DEFB106B	NM_001040704.1	100.0

DEFB107A	NM_001037668.1	100.0
DEFB107B	NM_001040705.1	100.0
DEFB110	NM_001037497.1	100.0
DEFB112	NM_001037498.1	100.0
DEFB113	NM_001037729.1	100.0
DEFB114	NM_001037499.1	100.0
DEFB115	NM_001037730.1	100.0
DEFB116	NM_001037731.1	100.0
DEFB118	NM_054112.2	100.0
DEFB119	NM_153289.3	100.0
DEFB121	NM_001011878.2	100.0
DEFB123	NM_153324.2	100.0
DEFB124	NM_001037500.1	100.0
DEFB125	NM_153325.2	100.0
DEFB126	NM_030931.3	100.0
DEFB127	NM_139074.3	100.0
DEFB128	NM_001037732.1	100.0
DEFB129	NM_080831.3	100.0
DEFB132	NM_207469.2	100.0
DEFB133	NM_001166478.1	100.0
DEFB134	NM_001033019.1	100.0
DEFB135	NM_001033017.2	100.0
DEFB136	NM_001033018.2	100.0
DEFB4A	NM_004942.2	100.0
DEFB4B	NM_001205266.1	93.8
DEGS1	NM_003676.3	100.0
DEGS2	NM_206918.2	100.0
DEK	NM_003472.3	100.0
DENND1A	NM_020946.1	99.9
DENND1B	NM_144977.4	100.0
DENND1C	NM_024898.2	100.0
DENND2A	NM_015689.3	100.0
DENND2C	NM_198459.3	100.0
DENND2D	NM_024901.4	100.0
DENND3	NM_014957.2	100.0
DENND4A	NM_005848.3	100.0
DENND4B	NM_014856.2	100.0
DENND4C	NM_017925.5	100.0
DENND5A	NM_015213.3	100.0
DENND5B	NM_144973.3	100.0

DENND6A	NM_152678.2	100.0
DENND6B	NM_001001794.3	98.6
DENR	NM_003677.3	100.0
DEPDC1	NM_017779.4	100.0
DEPDC1B	NM_018369.2	100.0
DEPDC4	NM_152317.2	100.0
DEPDC5	NM_001242896.1	100.0
DEPDC7	NM_139160.2	100.0
DEPTOR	NM_022783.2	100.0
DERA	NM_015954.2	100.0
DERL1	NM_024295.5	100.0
DERL2	NM_016041.3	100.0
DERL3	NM_198440.3	100.0
DES	NM_001927.3	100.0
DESI1	NM_015704.2	100.0
DESI2	NM_016076.3	100.0
DET1	NM_017996.3	100.0
DEXI	NM_014015.3	100.0
DFFA	NM_004401.2	100.0
DFFB	NM_004402.2	100.0
DFNA5 (GSDME)	NM_004403.2	100.0
DFNB31 (WHRN)	NM_015404.3	100.0
DFNB59 (PJKV)	NM_001042702.3	100.0
DGAT1	NM_012079.5	95.6
DGAT2	NM_032564.4	100.0
DGAT2L6	NM_198512.1	100.0
DGCR14	NM_022719.2	100.0
DGCR2	NM_005137.2	100.0
DGCR6	NM_005675.4	100.0
DGCR6L	NM_033257.3	100.0
DGCR8	NM_022720.6	100.0
DGKA	NM_001345.4	100.0
DGKB	NM_004080.2	100.0
DGKD	NM_152879.2	99.4
DGKE	NM_003647.2	100.0
DGKG	NM_001346.2	100.0
DGKH	NM_152910.4	99.8
DGKI	NM_004717.2	96.8
DGKK	NM_001013742.2	100.0
DGKQ	NM_001347.3	96.0

DGKZ	NM_003646.3	99.9
DGUOK	NM_080916.2	100.0
DHCR24	NM_014762.3	100.0
DHCR7	NM_001360.2	100.0
DHDDS	NM_024887.3	100.0
DHDH	NM_014475.3	100.0
DHFR	NM_000791.3	100.0
DHFRL1	NM_176815.4	100.0
DHH	NM_021044.2	100.0
DHODH	NM_001361.4	100.0
DHPS	NM_001930.3	100.0
DHRS1	NM_138452.2	100.0
DHRS11	NM_024308.3	100.0
DHRS12	NM_024705.2	100.0
DHRS13	NM_144683.3	99.9
DHRS2	NM_005794.3	100.0
DHRS3	NM_004753.4	100.0
DHRS4	NM_021004.2	100.0
DHRS4L1	NM_001277864.1	100.0
DHRS4L2	NM_198083.3	100.0
DHRS7	NM_016029.2	100.0
DHRS7B	NM_015510.4	100.0
DHRS7C	NM_001105571.2	100.0
DHRS9	NM_005771.4	100.0
DHRSX	NM_145177.2	49.4
DHTKD1	NM_018706.6	100.0
DHX15	NM_001358.2	100.0
DHX16	NM_003587.4	100.0
DHX29	NM_019030.2	100.0
DHX30	NM_014966.3	100.0
DHX32	NM_018180.2	100.0
DHX33	NM_020162.3	100.0
DHX34	NM_014681.5	100.0
DHX35	NM_021931.3	100.0
DHX36	NM_020865.2	100.0
DHX37	NM_032656.3	100.0
DHX38	NM_014003.3	100.0
DHX40	NM_024612.4	99.9
DHX57	NM_198963.1	100.0
DHX58	NM_024119.2	100.0

DHX8	NM_004941.1	100.0
DHX9	NM_001357.4	100.0
DIABLO	NM_019887.5	100.0
DIAPH1	NM_005219.4	100.0
DIAPH2	NM_006729.4	100.0
DIAPH3	NM_001042517.1	100.0
DICER1	NM_177438.2	100.0
DIDO1	NM_022105.4	100.0
DIEXF	NM_014388.6	100.0
DIMT1	NM_014473.2	100.0
DIO1	NM_000792.5	100.0
DIO2	NM_013989.4	100.0
DIO3	NM_001362.3	100.0
DIP2A	NM_015151.3	100.0
DIP2B	NM_173602.2	100.0
DIP2C	NM_014974.2	100.0
DIRAS1	NM_145173.3	100.0
DIRAS2	NM_017594.3	100.0
DIRAS3	NM_004675.2	100.0
DIRC1	NM_052952.2	100.0
DIRC2	NM_032839.2	100.0
DIS3	NM_014953.3	100.0
DIS3L	NM_133375.3	100.0
DIS3L2	NM_152383.4	100.0
DISC1	NM_018662.2	100.0
DISP1	NM_032890.3	100.0
DISP2	NM_033510.1	99.2
DIXDC1	NM_033425.4	100.0
DKC1	NM_001363.3	100.0
DKK1	NM_012242.2	100.0
DKK2	NM_014421.2	100.0
DKK3	NM_015881.5	100.0
DKK4	NM_014420.2	100.0
DKKL1	NM_014419.3	100.0
DLAT	NM_001931.4	100.0
DLC1	NM_182643.2	100.0
DLD	NM_000108.3	100.0
DLEC1	NM_007335.2	100.0
DLEU7	NM_198989.2	99.6
DLG1	NM_001098424.1	100.0

DLG2	NM_001142699.1	100.0
DLG3	NM_021120.3	100.0
DLG4	NM_001365.3	100.0
DLG5	NM_004747.3	100.0
DLGAP1	NM_004746.3	100.0
DLGAP2	NM_004745.4	100.0
DLGAP3	NM_001080418.1	100.0
DLGAP5	NM_014750.4	100.0
DLK2	NM_023932.2	100.0
DLL1	NM_005618.3	100.0
DLL3	NM_016941.3	95.6
DLL4	NM_019074.3	100.0
DLST	NM_001933.4	100.0
DLX1	NM_178120.4	100.0
DLX2	NM_004405.3	100.0
DLX3	NM_005220.2	100.0
DLX4	NM_001934.3	100.0
DLX5	NM_005221.5	100.0
DLX6	NM_005222.3	100.0
DMAP1	NM_019100.4	100.0
DMBT1	NM_007329.2	99.9
DMBX1	NM_147192.2	100.0
DMC1	NM_007068.3	100.0
DMD	NM_004006.2	100.0
DMGDH	NM_013391.3	100.0
DMKN	NM_033317.4	100.0
DMP1	NM_004407.3	100.0
DMPK	NM_004409.3	100.0
DMRT1	NM_021951.2	100.0
DMRT2	NM_006557.6	95.1
DMRT3	NM_021240.3	95.2
DMRTA1	NM_022160.2	99.3
DMRTA2	NM_032110.2	91.9
DMRTB1	NM_033067.1	99.4
DMRTC1	NM_033053.2	100.0
DMRTC1B	NM_001080851.1	100.0
DMRTC2	NM_001040283.1	100.0
DMTF1	NM_021145.3	100.0
DMTN	NM_001978.2	100.0
DMWD	NM_004943.1	97.8

DMXL1	NM_005509.4	100.0
DMXL2	NM_015263.3	100.0
DNA2	NM_001080449.2	100.0
DNAAF1	NM_178452.4	100.0
DNAAF2	NM_018139.2	99.7
DNAAF3	NM_001256714.1	100.0
DNAH1	NM_015512.4	100.0
DNAH10	NM_207437.3	100.0
DNAH11	NM_001277115.1	100.0
DNAH12	NM_178504.4	100.0
DNAH14	NM_001373.1	100.0
DNAH17	NM_173628.3	100.0
DNAH2	NM_020877.2	100.0
DNAH3	NM_017539.1	100.0
DNAH5	NM_001369.2	100.0
DNAH6	NM_001370.1	100.0
DNAH7	NM_018897.2	100.0
DNAH8	NM_001206927.1	100.0
DNAH9	NM_001372.3	100.0
DNAI1	NM_012144.3	100.0
DNAI2	NM_023036.4	100.0
DNAJA1	NM_001539.2	100.0
DNAJA2	NM_005880.3	100.0
DNAJA3	NM_005147.5	100.0
DNAJA4	NM_018602.3	100.0
DNAJB1	NM_006145.1	100.0
DNAJB11	NM_016306.4	100.0
DNAJB12	NM_017626.4	100.0
DNAJB13	NM_153614.2	100.0
DNAJB14	NM_001031723.3	100.0
DNAJB2	NM_001039550.1	100.0
DNAJB3	NM_001001394.3	100.0
DNAJB4	NM_007034.3	100.0
DNAJB5	NM_012266.5	100.0
DNAJB6	NM_058246.3	100.0
DNAJB7	NM_145174.1	100.0
DNAJB8	NM_153330.3	100.0
DNAJB9	NM_012328.2	100.0
DNAJC1	NM_022365.3	99.5
DNAJC10	NM_018981.2	100.0

DNAJC11	NM_018198.3	100.0
DNAJC12	NM_021800.2	100.0
DNAJC13	NM_015268.3	100.0
DNAJC14	NM_032364.5	100.0
DNAJC15	NM_013238.2	100.0
DNAJC16	NM_015291.2	100.0
DNAJC17	NM_018163.2	100.0
DNAJC18	NM_152686.3	100.0
DNAJC19	NM_145261.3	100.0
DNAJC2	NM_014377.1	100.0
DNAJC21	NM_194283.3	100.0
DNAJC22	NM_024902.2	100.0
DNAJC24	NM_181706.4	100.0
DNAJC25	NM_001015882.2	99.7
DNAJC25-GNG10	NM_004125.3	99.2
DNAJC27	NM_016544.2	100.0
DNAJC28	NM_017833.3	100.0
DNAJC3	NM_006260.4	100.0
DNAJC30	NM_032317.2	100.0
DNAJC4	NM_005528.3	100.0
DNAJC5	NM_025219.2	100.0
DNAJC5B	NM_033105.4	100.0
DNAJC5G	NM_173650.1	100.0
DNAJC6	NM_001256864.1	100.0
DNAJC7	NM_003315.3	100.0
DNAJC8	NM_014280.2	100.0
DNAJC9	NM_015190.3	100.0
DNAL1	NM_031427.3	100.0
DNAL4	NM_005740.2	100.0
DNALI1	NM_003462.3	100.0
DNASE1	NM_005223.3	100.0
DNASE1L1	NM_006730.2	100.0
DNASE1L2	NM_001374.2	100.0
DNASE1L3	NM_004944.3	100.0
DNASE2	NM_001375.2	100.0
DNASE2B	NM_021233.2	100.0
DND1	NM_194249.2	99.9
DNER	NM_139072.3	97.8
DNHD1	NM_144666.2	100.0
DNLZ	NM_001080849.2	93.5

DNM1	NM_004408.2	100.0
DNM1L	NM_012062.4	100.0
DNM2	NM_001005360.2	100.0
DNM3	NM_015569.4	100.0
DNMBP	NM_015221.2	100.0
DNMT1	NM_001130823.1	99.4
DNMT3A	NM_175629.2	100.0
DNMT3B	NM_006892.3	100.0
DNMT3L	NM_013369.3	100.0
DNPEP	NM_012100.2	100.0
DNPH1	NM_006443.2	100.0
DNTT	NM_004088.3	100.0
DNTTIP1	NM_052951.2	100.0
DNTTIP2	NM_014597.4	100.0
DOC2A	NM_003586.2	100.0
DOC2B	NM_003585.4	97.6
DOCK1	NM_001380.3	100.0
DOCK10	NM_014689.2	100.0
DOCK11	NM_144658.3	100.0
DOCK2	NM_004946.2	100.0
DOCK3	NM_004947.4	100.0
DOCK4	NM_014705.3	100.0
DOCK6	NM_020812.3	100.0
DOCK7	NM_001271999.1	100.0
DOCK8	NM_203447.3	100.0
DOCK9	NM_015296.2	100.0
DOHH	NM_031304.4	100.0
DOK1	NM_001381.3	100.0
DOK2	NM_003974.2	100.0
DOK3	NM_024872.2	100.0
DOK4	NM_018110.3	100.0
DOK5	NM_018431.3	100.0
DOK6	NM_152721.5	100.0
DOK7	NM_173660.4	100.0
DOLK	NM_014908.3	100.0
DOLPP1	NM_020438.4	100.0
DOM3Z	NM_005510.3	100.0
DONSON	NM_017613.3	99.8
DOPEY1	NM_015018.3	100.0
DOPEY2	NM_005128.2	100.0

DOT1L	NM_032482.2	100.0
DPAGT1	NM_001382.3	100.0
DPCD	NM_015448.1	100.0
DPCR1	NM_080870.3	100.0
DPEP1	NM_004413.3	100.0
DPEP2	NM_022355.3	100.0
DPEP3	NM_022357.3	100.0
DPF1	NM_004647.2	100.0
DPF2	NM_006268.4	100.0
DPF3	NM_012074.4	100.0
DPH1	NM_001383.3	100.0
DPH2	NM_001384.4	100.0
DPH3	NM_206831.2	100.0
DPH3P1	NM_080750.3	100.0
DPH5	NM_015958.2	100.0
DPH6	NM_080650.3	100.0
DPH7	NM_138778.2	100.0
DPM1	NM_003859.1	100.0
DPM2	NM_003863.3	100.0
DPM3	NM_153741.1	100.0
DPP10	NM_001178034.1	99.9
DPP3	NM_005700.4	100.0
DPP4	NM_001935.3	100.0
DPP6	NM_001936.3	100.0
DPP7	NM_013379.2	100.0
DPP8	NM_017743.4	100.0
DPP9	NM_139159.4	100.0
DPPA2	NM_138815.3	100.0
DPPA3	NM_199286.2	100.0
DPPA4	NM_018189.3	100.0
DPPA5	NM_001025290.2	100.0
DPRX	NM_001012728.1	100.0
DPT	NM_001937.4	100.0
DPY19L1	NM_015283.1	100.0
DPY19L2	NM_173812.4	100.0
DPY19L3	NM_207325.2	100.0
DPY19L4	NM_181787.2	100.0
DPY30	NM_032574.2	100.0
DPYD	NM_000110.3	100.0
DPYS	NM_001385.2	100.0

DPYSL2	NM_001386.5	100.0
DPYSL3	NM_001197294.1	100.0
DPYSL4	NM_006426.2	100.0
DPYSL5	NM_020134.3	100.0
DQX1	NM_133637.2	100.0
DR1	NM_001938.2	100.0
DRAM1	NM_018370.2	100.0
DRAM2	NM_178454.4	100.0
DRAP1	NM_006442.3	100.0
DRAXIN	NM_198545.3	100.0
DRC1	NM_145038.2	100.0
DRD1	NM_000794.3	100.0
DRD2	NM_000795.3	100.0
DRD3	NM_000796.3	100.0
DRD4	NM_000797.3	91.0
DRD5	NM_000798.4	100.0
DRG1	NM_004147.3	100.0
DRG2	NM_001388.4	100.0
DRGX	NM_001276451.1	100.0
DROSHA	NM_013235.4	100.0
DRP2	NM_001939.2	100.0
DSC1	NM_004948.3	100.0
DSC2	NM_024422.3	100.0
DSC3	NM_024423.2	100.0
DSCAM	NM_001389.3	100.0
DSCAML1	NM_020693.2	100.0
DSCC1	NM_024094.2	100.0
DSCR3	NM_006052.1	100.0
DSCR4	NM_005867.2	100.0
DSE	NM_013352.2	100.0
DSEL	NM_032160.2	100.0
DSG1	NM_001942.2	100.0
DSG2	NM_001943.3	100.0
DSG3	NM_001944.2	100.0
DSG4	NM_177986.3	100.0
DSN1	NM_024918.3	100.0
DSP	NM_004415.2	100.0
DSPP	NM_014208.3	100.0
DST	NM_001723.5	100.0
DSTN	NM_006870.3	100.0

DSTYK	NM_015375.2	100.0
DTD1	NM_080820.4	100.0
DTD2	NM_080664.2	100.0
DTL	NM_016448.2	100.0
DTNA	NM_001390.4	100.0
DTNBP1	NM_032122.4	100.0
DTWD1	NM_020234.5	100.0
DTWD2	NM_173666.2	100.0
DTX1	NM_004416.2	92.6
DTX2	NM_020892.2	100.0
DTX3	NM_178502.2	100.0
DTX3L	NM_138287.3	100.0
DTX4	NM_015177.1	100.0
DTYMK	NM_012145.3	100.0
DUOX1	NM_017434.3	100.0
DUOX2	NM_014080.4	100.0
DUOXA1	NM_144565.3	100.0
DUOXA2	NM_207581.3	100.0
DUPD1	NM_001003892.1	100.0
DUS1L	NM_022156.4	100.0
DUS2	NM_017803.4	100.0
DUS3L	NM_020175.2	100.0
DUS4L	NM_181581.2	100.0
DUSP1	NM_004417.3	96.9
DUSP10	NM_007207.4	100.0
DUSP11	NM_003584.2	100.0
DUSP12	NM_007240.1	100.0
DUSP13	NM_016364.3	100.0
DUSP14	NM_007026.2	100.0
DUSP15	NM_080611.3	100.0
DUSP16	NM_030640.2	100.0
DUSP18	NM_152511.3	100.0
DUSP19	NM_080876.3	100.0
DUSP2	NM_004418.3	95.8
DUSP21	NM_022076.3	100.0
DUSP23	NM_017823.3	100.0
DUSP26	NM_024025.1	100.0
DUSP27	NM_001080426.1	100.0
DUSP28	NM_001033575.1	99.6
DUSP3	NM_004090.3	100.0

DUSP4	NM_001394.6	100.0
DUSP5	NM_004419.3	98.2
DUSP6	NM_001946.2	100.0
DUSP7	NM_001947.3	94.4
DUSP8	NM_004420.2	89.9
DUSP9	NM_001395.2	97.7
DUT	NM_001948.3	100.0
DUX2	NM_012147.4	95.8
DUX4	NM_033178.4	95.9
DUX4L2	NM_001127386.2	96.0
DUX4L3	NM_001164467.2	95.8
DUX4L4	NM_001177376.2	94.3
DUX4L5	NM_001127389.2	96.0
DUX4L6	NM_001127388.2	95.4
DUX4L7	NM_001127387.2	96.7
DUXA	NM_001012729.1	100.0
DVL1	NM_004421.2	100.0
DVL2	NM_004422.2	100.0
DVL3	NM_004423.3	100.0
DYDC1	NM_138812.3	100.0
DYDC2	NM_032372.5	100.0
DYM	NM_017653.3	100.0
DYNAP	NM_173629.1	100.0
DYNC1H1	NM_001376.4	100.0
DYNC1I1	NM_004411.4	100.0
DYNC1I2	NM_001378.2	100.0
DYNC1LI1	NM_016141.3	100.0
DYNC1LI2	NM_006141.2	100.0
DYNC2H1	NM_001080463.1	100.0
DYNC2LI1	NM_015522.3	100.0
DYNLL1	NM_003746.2	100.0
DYNLL2	NM_080677.2	100.0
DYNLRB1	NM_014183.2	100.0
DYNLRB2	NM_130897.1	100.0
DYNLT1	NM_006519.2	100.0
DYNLT3	NM_006520.2	100.0
DYRK1A	NM_001396.3	100.0
DYRK1B	NM_004714.1	100.0
DYRK2	NM_003583.3	100.0
DYRK3	NM_003582.2	100.0

DYRK4	NM_003845.1	100.0
DYSF	NM_003494.3	100.0
DYTN	NM_001093730.1	100.0
DYX1C1	NM_130810.3	100.0
DZANK1	NM_001099407.1	100.0
DZIP1	NM_014934.4	100.0
DZIP1L	NM_173543.2	100.0
DZIP3	NM_014648.3	100.0
E2F1	NM_005225.2	94.7
E2F2	NM_004091.3	99.9
E2F3	NM_001949.4	100.0
E2F4	NM_001950.3	100.0
E2F5	NM_001951.3	89.3
E2F6	NM_198256.3	100.0
E2F7	NM_203394.2	100.0
E2F8	NM_024680.3	100.0
E4F1	NM_004424.3	100.0
EAFF1	NM_033083.6	100.0
EAFF2	NM_018456.4	100.0
EAPP	NM_018453.3	100.0
EARS2	NM_001083614.1	100.0
EBAG9	NM_198120.2	100.0
EBF1	NM_024007.3	100.0
EBF2	NM_022659.3	100.0
EBF3	NM_001005463.2	100.0
EBF4	NM_001110514.1	97.8
EBI3	NM_005755.2	100.0
EBLN1	NM_001199938.1	100.0
EBLN2	NM_018029.3	100.0
EBNA1BP2	NM_006824.2	100.0
EBP	NM_006579.2	100.0
EBPL	NM_032565.4	100.0
ECD	NM_007265.2	100.0
ECE1	NM_001397.2	100.0
ECE2	NM_014693.3	100.0
ECEL1	NM_004826.2	99.1
ECH1	NM_001398.2	100.0
ECHDC1	NM_018479.3	100.0
ECHDC2	NM_018281.3	100.0
ECHDC3	NM_024693.4	99.1

ECHS1	NM_004092.3	100.0
ECI1	NM_001919.3	93.0
ECI2	NM_006117.2	100.0
ECM1	NM_004425.3	100.0
ECM2	NM_001393.3	100.0
ECSCR	NM_001077693.2	100.0
ECSIT	NM_001142464.2	100.0
ECT2	NM_018098.5	100.0
ECT2L	NM_001077706.2	100.0
EDA	NM_001399.4	99.9
EDA2R	NM_021783.3	100.0
EDAR	NM_022336.3	100.0
EDARADD	NM_145861.2	100.0
EDC3	NM_025083.3	100.0
EDC4	NM_014329.4	100.0
EDDM3A	NM_006683.4	100.0
EDDM3B	NM_022360.4	100.0
EDEM1	NM_014674.2	100.0
EDEM2	NM_018217.2	100.0
EDEM3	NM_025191.3	100.0
EDF1	NM_003792.3	100.0
EDN1	NM_001955.4	100.0
EDN2	NM_001956.3	100.0
EDN3	NM_207034.1	100.0
EDNRA	NM_001957.3	100.0
EDNRB	NM_000115.3	100.0
EEA1	NM_003566.3	100.0
EED	NM_003797.3	100.0
EEF1A1	NM_001402.5	100.0
EEF1A2	NM_001958.3	100.0
EEF1B2	NM_001959.3	100.0
EEF1D	NM_032378.4	100.0
EEF1E1	NM_004280.4	100.0
EEF1G	NM_001404.4	100.0
EEF2	NM_001961.3	100.0
EEF2K	NM_013302.3	100.0
EEFSEC	NM_021937.3	100.0
EEPD1	NM_030636.2	100.0
EFCAB1	NM_024593.3	100.0
EFCAB11	NM_145231.2	100.0

EFCAB12	NM_207307.1	100.0
EFCAB13	NM_152347.4	100.0
EFCAB14	NM_014774.2	100.0
EFCAB2	NM_032328.3	100.0
EFCAB3	NM_173503.3	100.0
EFCAB4A	NM_173584.3	100.0
EFCAB4B	NM_032680.3	100.0
EFCAB5	NM_001145053.1	100.0
EFCAB6	NM_022785.3	100.0
EFCAB7	NM_032437.2	100.0
EFCAB8	XM_005260626.1	100.0
EFCAB9	NM_001171183.1	100.0
EFCC1	NM_024768.2	98.2
EFEMP1	NM_001039348.2	100.0
EFEMP2	NM_016938.4	100.0
EFHB	NM_144715.3	100.0
EFHC1	NM_018100.3	100.0
EFHC2	NM_025184.3	100.0
EFHD1	NM_025202.3	99.0
EFHD2	NM_024329.5	97.3
EFNA1	NM_004428.2	100.0
EFNA2	NM_001405.3	98.5
EFNA3	NM_004952.4	99.9
EFNA4	NM_005227.2	100.0
EFNA5	NM_001962.2	100.0
EFNB1	NM_004429.4	100.0
EFNB2	NM_004093.3	100.0
EFNB3	NM_001406.3	100.0
EFR3A	NM_015137.4	100.0
EFR3B	NM_014971.1	100.0
EFS	NM_005864.3	100.0
EFTUD1	NM_024580.5	100.0
EFTUD2	NM_004247.3	100.0
EGF	NM_001963.4	100.0
EGFL6	NM_015507.3	100.0
EGFL7	NM_016215.4	100.0
EGFL8	NM_030652.3	100.0
EGFLAM	NM_152403.3	100.0
EGFR	NM_005228.3	100.0
EGLN1	NM_022051.2	94.8

EGLN2	NM_080732.3	100.0
EGLN3	NM_022073.3	100.0
EGR1	NM_001964.2	100.0
EGR2	NM_000399.3	100.0
EGR3	NM_004430.2	100.0
EGR4	NM_001965.3	100.0
EHBP1	NM_015252.3	100.0
EHBP1L1	NM_001099409.1	97.6
EHD1	NM_006795.2	100.0
EHD2	NM_014601.3	100.0
EHD3	NM_014600.2	100.0
EHD4	NM_139265.3	100.0
EHF	NM_012153.5	100.0
EHHADH	NM_001966.3	100.0
EHMT1	NM_024757.4	99.6
EHMT2	NM_006709.3	99.7
EI24	NM_004879.3	100.0
EID1	NM_014335.2	100.0
EID2	NM_153232.3	97.5
EID2B	NM_152361.1	100.0
EID3	NM_001008394.2	100.0
EIF1	NM_005801.3	100.0
EIF1AD	NM_032325.3	100.0
EIF1AX	NM_001412.3	100.0
EIF1AY*	NM_004681.3	100.0
EIF1B	NM_005875.2	100.0
EIF2A	NM_032025.3	100.0
EIF2AK1	NM_014413.3	100.0
EIF2AK2	NM_002759.3	100.0
EIF2AK3	NM_004836.5	99.3
EIF2AK4	NM_001013703.2	100.0
EIF2B1	NM_001414.3	100.0
EIF2B2	NM_014239.3	100.0
EIF2B3	NM_020365.4	100.0
EIF2B4	NM_015636.3	100.0
EIF2B5	NM_003907.2	100.0
EIF2D	NM_006893.2	100.0
EIF2S1	NM_004094.4	100.0
EIF2S2	NM_003908.3	100.0
EIF2S3	NM_001415.3	100.0

EIF3A	NM_003750.2	100.0
EIF3B	NM_001037283.1	97.0
EIF3C	NM_003752.3	100.0
EIF3CL	NM_001099661.1	100.0
EIF3D	NM_003753.3	100.0
EIF3E	NM_001568.2	100.0
EIF3F	NM_003754.2	100.0
EIF3G	NM_003755.3	100.0
EIF3H	NM_003756.2	100.0
EIF3I	NM_003757.2	100.0
EIF3J	NM_003758.2	100.0
EIF3K	NM_013234.2	100.0
EIF3L	NM_016091.3	100.0
EIF3M	NM_006360.4	100.0
EIF4A1	NM_001416.3	100.0
EIF4A2	NM_001967.3	100.0
EIF4A3	NM_014740.3	100.0
EIF4B	NM_001417.4	100.0
EIF4E	NM_001130679.1	87.6
EIF4E1B	NM_001099408.1	100.0
EIF4E2	NM_004846.2	100.0
EIF4E3	NM_173359.4	100.0
EIF4EBP1	NM_004095.3	100.0
EIF4EBP2	NM_004096.4	100.0
EIF4EBP3	NM_003732.2	100.0
EIF4ENIF1	NM_019843.3	100.0
EIF4G1	NM_198241.2	100.0
EIF4G2	NM_001418.3	100.0
EIF4G3	NM_003760.4	100.0
EIF4H	NM_022170.1	100.0
EIF5	NM_001969.4	100.0
EIF5A	NM_001970.4	100.0
EIF5A2	NM_020390.5	100.0
EIF5AL1	NM_001099692.1	100.0
EIF5B	NM_015904.3	100.0
EIF6	NM_002212.3	100.0
ELAC1	NM_018696.2	100.0
ELAC2	NM_018127.6	100.0
ELANE	NM_001972.2	100.0
ELAVL1	NM_001419.2	100.0

ELAVL2	NM_004432.3	100.0
ELAVL3	NM_001420.3	100.0
ELAVL4	NM_021952.3	100.0
ELF1	NM_172373.3	100.0
ELF2	NM_006874.3	100.0
ELF3	NM_004433.4	100.0
ELF4	NM_001421.3	100.0
ELF5	NM_001422.3	100.0
ELFN1	NM_001128636.2	100.0
ELFN2	NM_052906.3	100.0
ELK1	NM_005229.4	99.9
ELK3	NM_005230.2	100.0
ELK4	NM_001973.3	100.0
ELL	NM_006532.3	100.0
ELL2	NM_012081.5	100.0
ELL3	NM_025165.2	100.0
ELMO1	NM_014800.10	100.0
ELMO2	NM_133171.3	100.0
ELMO3	NM_024712.3	100.0
ELMOD1	NM_018712.3	100.0
ELMOD2	NM_153702.3	100.0
ELMOD3	NM_032213.4	100.0
ELMSAN1	NM_194278.3	100.0
ELN	NM_001278939.1	100.0
ELOF1	NM_032377.3	100.0
ELOVL1	NM_022821.3	100.0
ELOVL2	NM_017770.3	100.0
ELOVL3	NM_152310.1	100.0
ELOVL4	NM_022726.3	100.0
ELOVL5	NM_021814.4	100.0
ELOVL6	NM_024090.2	100.0
ELOVL7	NM_024930.2	100.0
ELP2	NM_001242875.1	100.0
ELP3	NM_018091.5	100.0
ELP4	NM_019040.3	100.0
ELP5	NM_015362.3	100.0
ELP6	NM_001031703.2	100.0
ELSPBP1	NM_022142.4	100.0
ELTD1	NM_022159.3	100.0
EMB	NM_198449.2	100.0

EMC1	NM_015047.2	100.0
EMC10	NM_175063.4	100.0
EMC2	NM_014673.3	100.0
EMC3	NM_018447.2	100.0
EMC4	NM_016454.2	100.0
EMC6	NM_031298.2	100.0
EMC7	NM_020154.2	100.0
EMC8	NM_006067.4	100.0
EMC9	NM_016049.3	100.0
EMCN	NM_016242.3	100.0
EMD	NM_000117.2	99.9
EME1	NM_001166131.1	100.0
EME2	NM_001257370.1	100.0
EMG1	NM_006331.7	100.0
EMID1	NM_133455.3	100.0
EMILIN1	NM_007046.3	100.0
EMILIN3	NM_052846.1	98.9
EML1	NM_004434.2	100.0
EML2	NM_012155.2	100.0
EML3	NM_153265.2	100.0
EML4	NM_019063.3	100.0
EML5	NM_183387.2	100.0
EML6	NM_001039753.2	100.0
EMP1	NM_001423.2	100.0
EMP2	NM_001424.4	100.0
EMP3	NM_001425.2	100.0
EMR1	NM_001256253.1	100.0
EMR2	NM_013447.3	99.7
EMR3	NM_032571.3	100.0
EMX1	NM_004097.2	100.0
EMX2	NM_004098.3	100.0
EN1	NM_001426.3	91.4
EN2	NM_001427.3	98.4
ENAH	NM_018212.4	100.0
ENAM	NM_031889.2	100.0
ENC1	NM_003633.3	100.0
ENDOD1	NM_015036.2	99.8
ENDOG	NM_004435.2	93.5
ENDOU	NM_006025.3	100.0
ENDOV	NM_173627.3	100.0

ENG	NM_000118.3	100.0
ENGASE	NM_001042573.2	100.0
ENHO	NM_198573.2	100.0
ENKD1	NM_032140.1	100.0
ENKUR	NM_145010.3	100.0
ENO1	NM_001428.3	100.0
ENO2	NM_001975.2	100.0
ENO3	NM_053013.3	100.0
ENO4	NM_001242699.1	100.0
ENOPH1	NM_021204.3	100.0
ENOSF1	NM_017512.5	100.0
ENOX1	NM_017993.3	100.0
ENOX2	NM_006375.2	100.0
ENPEP	NM_001977.3	100.0
ENPP1	NM_006208.2	96.7
ENPP2	NM_006209.4	100.0
ENPP3	NM_005021.3	100.0
ENPP4	NM_014936.4	100.0
ENPP5	NM_021572.4	100.0
ENPP6	NM_153343.3	100.0
ENPP7	NM_178543.3	100.0
ENSA	NM_207042.1	100.0
ENTHD1	NM_152512.3	100.0
ENTHD2	NM_144679.2	100.0
ENTPD1	NM_001776.5	100.0
ENTPD2	NM_001246.3	99.8
ENTPD3	NM_001248.2	100.0
ENTPD4	NM_004901.4	100.0
ENTPD5	NM_001249.2	100.0
ENTPD6	NM_001247.2	100.0
ENTPD7	NM_020354.3	100.0
ENTPD8	NM_198585.2	100.0
ENY2	NM_020189.5	100.0
EOGT	NM_173654.2	100.0
EOMES	NM_005442.3	99.4
EP300	NM_001429.3	100.0
EP400	NM_015409.4	100.0
EPAS1	NM_001430.4	100.0
EPB41	NM_004437.3	100.0
EPB41L1	NM_012156.2	100.0

EPB41L2	NM_001431.3	100.0
EPB41L3	NM_012307.3	100.0
EPB41L4A	NM_022140.3	100.0
EPB41L4B	NM_018424.2	91.0
EPB41L5	NM_020909.3	100.0
EPB42	NM_000119.2	100.0
EPC1	NM_025209.3	100.0
EPC2	NM_015630.3	100.0
EPCAM	NM_002354.2	100.0
EPDR1	NM_017549.4	100.0
EPG5	NM_020964.2	100.0
EPGN	NM_001270989.1	100.0
EPHA1	NM_005232.4	100.0
EPHA10	NM_173641.2	100.0
EPHA2	NM_004431.3	100.0
EPHA3	NM_005233.5	100.0
EPHA4	NM_004438.3	100.0
EPHA5	NM_004439.5	100.0
EPHA6	NM_001080448.2	100.0
EPHA7	NM_004440.3	100.0
EPHA8	NM_020526.3	97.9
EPHB1	NM_004441.4	100.0
EPHB2	NM_017449.3	99.1
EPHB3	NM_004443.3	98.5
EPHB4	NM_004444.4	100.0
EPHB6	NM_004445.4	100.0
EPHX1	NM_000120.3	100.0
EPHX2	NM_001979.5	100.0
EPHX3	NM_024794.2	100.0
EPHX4	NM_173567.4	100.0
EPM2A	NM_005670.3	95.6
EPM2AIP1	NM_014805.3	100.0
EPN1	NM_013333.3	100.0
EPN2	NM_014964.4	100.0
EPN3	NM_017957.2	100.0
EPO	NM_000799.2	100.0
EPOR	NM_000121.3	100.0
EPPIN	NM_020398.3	100.0
EPPIN-WFDC6	NM_001198986.1	100.0
EPPK1	NM_031308.2	100.0

EPRS	NM_004446.2	100.0
EPS15	NM_001981.2	100.0
EPS15L1	NM_021235.2	100.0
EPS8	NM_004447.5	100.0
EPS8L1	NM_017729.3	100.0
EPS8L2	NM_022772.3	100.0
EPS8L3	NM_139053.2	100.0
EPSTI1	NM_033255.3	100.0
EPT1	NM_033505.2	100.0
EPX	NM_000502.4	100.0
EPYC	NM_004950.4	100.0
EQTN	NM_020641.2	100.0
ERAL1	NM_005702.2	100.0
ERAP1	NM_016442.3	100.0
ERAP2	NM_022350.3	100.0
ERAS	NM_181532.3	100.0
ERBB2	NM_004448.2	100.0
ERBB2IP	NM_001253697.1	100.0
ERBB3	NM_001982.3	100.0
ERBB4	NM_005235.2	100.0
ERC2	NM_015576.1	100.0
ERCC1	NM_202001.2	100.0
ERCC2	NM_000400.3	100.0
ERCC3	NM_000122.1	100.0
ERCC4	NM_005236.2	100.0
ERCC5	NM_000123.3	100.0
ERCC6	NM_000124.3	100.0
ERCC6L	NM_017669.2	100.0
ERCC6L2	NM_001010895.2	100.0
ERCC6-PGBD3	NM_001277058.1	100.0
ERCC8	NM_000082.3	100.0
EREG	NM_001432.2	100.0
ERF	NM_006494.2	100.0
ERG	NM_004449.4	100.0
ERGIC1	NM_001031711.2	100.0
ERGIC2	NM_016570.2	100.0
ERGIC3	NM_015966.2	100.0
ERH	NM_004450.2	100.0
ERI1	NM_153332.3	100.0
ERI2	NM_080663.2	100.0

ERI3	NM_024066.1	100.0
ERICH1	NM_207332.1	100.0
ERICH2	XM_209489.8	100.0
ERLEC1	NM_015701.4	100.0
ERLIN1	NM_006459.3	100.0
ERLIN2	NM_007175.6	100.0
ERMAP	NM_018538.3	100.0
ERMN	NM_020711.1	100.0
ERMP1	NM_024896.2	100.0
ERN1	NM_001433.3	100.0
ERN2	NM_033266.3	100.0
ERO1L	NM_014584.1	100.0
ERO1LB	NM_019891.3	100.0
ERP27	NM_152321.2	100.0
ERP29	NM_006817.3	100.0
ERP44	NM_015051.1	100.0
ERRFI1	NM_018948.3	100.0
ERV3-1	NM_001007253.3	100.0
ERVFRD-1	NM_207582.2	100.0
ERVMER34-1	NM_024534.5	100.0
ERVV-1	NM_152473.2	100.0
ERVV-2	NM_001191055.1	100.0
ESAM	NM_138961.2	100.0
ESCO1	NM_052911.2	100.0
ESCO2	NM_001017420.2	100.0
ESD	NM_001984.1	100.0
ESF1	NM_016649.3	100.0
ESM1	NM_007036.4	100.0
ESPL1	NM_012291.4	100.0
ESPN	NM_031475.2	97.5
ESPNL	NM_194312.2	100.0
ESR1	NM_000125.3	100.0
ESR2	NM_001437.2	100.0
ESRP1	NM_017697.3	100.0
ESRP2	NM_024939.2	99.7
ESRRA	NM_004451.3	100.0
ESRRB	NM_004452.3	100.0
ESRRG	NM_001438.3	100.0
ESX1	NM_153448.3	99.7
ESYT1	NM_015292.2	100.0

ESYT2	NM_020728.2	94.5
ESYT3	NM_031913.3	100.0
ETAA1	NM_019002.3	100.0
ETF1	NM_004730.3	100.0
ETFA	NM_000126.3	100.0
ETFB	NM_001985.2	100.0
ETFDH	NM_004453.2	100.0
ETHE1	NM_014297.3	100.0
ETNK1	NM_018638.4	100.0
ETNK2	NM_018208.2	100.0
ETNPPL	NM_031279.3	100.0
ETS1	NM_001143820.1	100.0
ETS2	NM_005239.5	100.0
ETV1	NM_004956.4	100.0
ETV2	NM_014209.2	100.0
ETV3	NM_005240.1	100.0
ETV3L	NM_001004341.2	100.0
ETV4	NM_001986.2	100.0
ETV5	NM_004454.2	100.0
ETV6	NM_001987.4	100.0
ETV7	NM_016135.3	100.0
EVA1A	NM_032181.2	100.0
EVA1B	NM_018166.1	100.0
EVA1C	NM_058187.3	100.0
EVC	NM_153717.2	94.7
EVC2	NM_147127.4	100.0
EVI2A	NM_014210.3	100.0
EVI2B	NM_006495.3	100.0
EVI5	NM_005665.4	100.0
EVI5L	NM_001159944.1	100.0
EVL	NM_016337.2	100.0
EVPL	NM_001988.2	100.0
EVPLL	NM_001145127.1	100.0
EVX1	NM_001989.3	99.8
EVX2	NM_001080458.1	94.2
EWSR1	NM_001163285.1	100.0
EXD1	NM_152596.2	100.0
EXD2	NM_018199.3	100.0
EXD3	NM_017820.3	100.0
EXO1	NM_006027.4	100.0

EXO5	NM_022774.1	100.0
EXOC1	NM_018261.3	100.0
EXOC2	NM_018303.5	100.0
EXOC3	NM_007277.4	100.0
EXOC3L1	NM_178516.3	100.0
EXOC3L2	NM_138568.3	100.0
EXOC3L4	NM_001077594.1	100.0
EXOC4	NM_021807.3	100.0
EXOC5	NM_006544.3	100.0
EXOC6	NM_019053.4	100.0
EXOC6B	NM_001321731.2	95-100
EXOC7	NM_015219.3	100.0
EXOC8	NM_175876.3	100.0
EXOG	NM_005107.3	100.0
EXOSC1	NM_016046.3	100.0
EXOSC10	NM_002685.2	100.0
EXOSC2	NM_014285.5	100.0
EXOSC3	NM_016042.3	100.0
EXOSC4	NM_019037.2	100.0
EXOSC5	NM_020158.3	100.0
EXOSC6	NM_058219.2	73.0
EXOSC7	NM_015004.3	100.0
EXOSC8	NM_181503.2	100.0
EXOSC9	NM_005033.2	100.0
EXPH5	NM_015065.2	100.0
EXT1	NM_000127.2	100.0
EXT2	NM_207122.1	100.0
EXTL1	NM_004455.2	100.0
EXTL2	NM_001439.3	100.0
EXTL3	NM_001440.3	100.0
EYA1	NM_000503.4	100.0
EYA2	NM_005244.4	100.0
EYA3	NM_001990.3	100.0
EYA4	NM_004100.4	100.0
EYS	NM_001142800.1	100.0
EZH1	NM_001991.3	100.0
EZH2	NM_004456.4	100.0
EZR	NM_003379.4	100.0
F10	NM_000504.3	100.0
F11	NM_000128.3	100.0

F11R	NM_016946.4	100.0
F12	NM_000505.3	100.0
F13A1	NM_000129.3	100.0
F13B	NM_001994.2	100.0
F2	NM_000506.3	100.0
F2R	NM_001992.3	100.0
F2RL1	NM_005242.4	100.0
F2RL2	NM_004101.3	100.0
F2RL3	NM_003950.2	100.0
F3	NM_001993.4	100.0
F5	NM_000130.4	100.0
F7	NM_000131.4	100.0
F8****	NM_000132.3	100.0
F9	NM_000133.3	100.0
FA2H	NM_024306.4	100.0
FAAH	NM_001441.2	100.0
FAAH2	NM_174912.3	100.0
FABP1	NM_001443.2	100.0
FABP12	NM_001105281.1	100.0
FABP2	NM_000134.3	100.0
FABP3	NM_004102.3	100.0
FABP4	NM_001442.2	100.0
FABP5	NM_001444.2	100.0
FABP6	NM_001040442.1	100.0
FABP7	NM_001446.3	100.0
FABP9	NM_001080526.1	100.0
FADD	NM_003824.3	98.6
FADS1	NM_013402.4	100.0
FADS2	NM_004265.3	100.0
FADS3	NM_021727.3	100.0
FADS6	NM_178128.3	100.0
FAF1	NM_007051.2	100.0
FAF2	NM_014613.2	100.0
FAH	NM_000137.2	100.0
FAHD1	NM_031208.3	100.0
FAHD2A	NM_016044.2	100.0
FAHD2B	NM_199336.1	100.0
FAIM	NM_018147.3	100.0
FAIM2	NM_012306.3	100.0
FAIM3	NM_005449.4	100.0

FAM101A	NM_181709.4	100.0
FAM101B	NM_182705.2	100.0
FAM102A	NM_203305.2	100.0
FAM102B	NM_001010883.2	100.0
FAM103A1	NM_031452.3	100.0
FAM104A	NM_032837.2	100.0
FAM104B	NM_138362.3	100.0
FAM105A	NM_019018.2	99.9
FAM105B	NM_138348.4	93.4
FAM107A	NM_007177.2	100.0
FAM107B	NM_031453.2	100.0
FAM109A	NM_144671.4	99.9
FAM109B	NM_001002034.2	100.0
FAM110A	NM_031424.4	100.0
FAM110B	NM_147189.2	100.0
FAM110C	NM_001077710.2	98.1
FAM110D	NM_024869.2	94.7
FAM111A	NM_022074.3	100.0
FAM111B	NM_198947.3	100.0
FAM114A1	NM_138389.2	100.0
FAM114A2	NM_018691.2	100.0
FAM115A	NM_014719.2	99.2
FAM115C	NM_173678.2	98.9
FAM117A	NM_030802.3	98.4
FAM117B	NM_173511.3	89.7
FAM118A	NM_017911.2	100.0
FAM118B	NM_024556.3	100.0
FAM120A	NM_014612.3	100.0
FAM120AOS	NM_198841.2	100.0
FAM120B	NM_032448.1	100.0
FAM120C	NM_017848.4	99.9
FAM122A	NM_138333.3	100.0
FAM122B	NM_145284.5	100.0
FAM122C	NM_138819.3	100.0
FAM124A	NM_145019.3	100.0
FAM124B	NM_024785.2	100.0
FAM126A	NM_032581.3	100.0
FAM126B	NM_173822.3	100.0
FAM127A	NM_001078171.1	100.0
FAM127B	NM_001078172.1	100.0

FAM127C	NM_001078173.1	100.0
FAM129A	NM_052966.3	100.0
FAM129B	NM_022833.2	100.0
FAM129C	NM_173544.4	100.0
FAM131A	NM_144635.4	100.0
FAM131B	NM_014690.4	100.0
FAM131C	NM_182623.2	100.0
FAM132A	NM_001014980.2	99.9
FAM132B	XM_001714385.4	57.1
FAM133A	NM_173698.2	100.0
FAM133B	NM_152789.2	100.0
FAM134A	NM_024293.4	100.0
FAM134B	NM_001034850.2	100.0
FAM134C	NM_178126.3	100.0
FAM135A	NM_020819.4	100.0
FAM135B	NM_015912.3	100.0
FAM136A	NM_032822.2	100.0
FAM13A	NM_014883.3	100.0
FAM13B	NM_016603.2	100.0
FAM13C	NM_198215.3	100.0
FAM149A	NM_015398.2	100.0
FAM149B1	NM_173348.1	100.0
FAM150A	NM_207413.3	100.0
FAM150B	NM_001002919.2	97.6
FAM151A	NM_176782.2	100.0
FAM151B	NM_205548.2	100.0
FAM153A	NM_173663.3	100.0
FAM153B	NM_001265615.1	100.0
FAM154A	NM_153707.2	100.0
FAM154B	NM_001008226.1	100.0
FAM155A	NM_001080396.2	100.0
FAM155B	NM_015686.2	96.0
FAM156A	NM_014138.4	100.0
FAM156B	NM_001099684.1	100.0
FAM159A	NM_001042693.1	100.0
FAM159B	NM_001164442.1	100.0
FAM160A1	NM_001109977.1	100.0
FAM160A2	NM_032127.3	100.0
FAM160B1	NM_001135051.1	100.0
FAM160B2	NM_022749.5	100.0

FAM161A	NM_032180.2	100.0
FAM161B	NM_152445.2	100.0
FAM162A	NM_014367.3	100.0
FAM162B	NM_001085480.2	100.0
FAM163A	NM_173509.2	100.0
FAM163B	NM_001080515.2	100.0
FAM166A	NM_001001710.1	100.0
FAM166B	NM_001099951.2	100.0
FAM167A	NM_053279.2	100.0
FAM167B	NM_032648.2	100.0
FAM168A	NM_015159.1	100.0
FAM168B	NM_001009993.2	100.0
FAM169A	NM_015566.2	100.0
FAM169B	NM_182562.2	100.0
FAM170A	NM_182761.3	100.0
FAM170B	NM_001164484.1	100.0
FAM171A1	NM_001010924.1	100.0
FAM171A2	NM_198475.2	92.6
FAM171B	NM_177454.3	100.0
FAM172A	NM_032042.5	100.0
FAM173A	NM_023933.2	93.9
FAM173B	NM_199133.3	100.0
FAM174A	NM_198507.1	100.0
FAM174B	NM_207446.2	91.9
FAM175A	NM_139076.2	100.0
FAM175B	NM_032182.3	100.0
FAM177A1	NM_001079519.1	100.0
FAM177B	NM_207468.2	100.0
FAM178A	NM_018121.3	100.0
FAM178B	NM_016490.4	100.0
FAM179A	NM_199280.2	100.0
FAM179B	NM_015091.2	100.0
FAM180A	NM_205855.3	100.0
FAM180B	NM_001164379.1	100.0
FAM181A	NM_138344.4	100.0
FAM181B	NM_175885.3	96.9
FAM183A	NM_001101376.2	100.0
FAM184A	NM_024581.4	100.0
FAM184B	NM_015688.1	100.0
FAM185A	NM_001145268.1	100.0

FAM186A	NM_001145475.1	100.0
FAM186B	NM_032130.2	100.0
FAM187B	NM_152481.1	100.0
FAM188A	NM_024948.2	100.0
FAM188B	NM_032222.2	100.0
FAM189A1	NM_015307.1	97.6
FAM189A2	NM_001127608.1	100.0
FAM189B	NM_006589.2	100.0
FAM192A	NM_024946.2	100.0
FAM193A	NM_003704.3	100.0
FAM193B	NM_001190946.1	97.3
FAM194A	NM_152394.3	100.0
FAM194B	NM_182542.2	100.0
FAM195A	NM_138418.2	95.6
FAM195B	NM_207368.3	100.0
FAM196A	NM_001039762.2	100.0
FAM196B	NM_001129891.1	100.0
FAM198A	NM_001129908.2	100.0
FAM198B	NM_016613.6	100.0
FAM199X	NM_207318.3	100.0
FAM19A1	NM_213609.3	100.0
FAM19A2	NM_178539.4	100.0
FAM19A3	NM_182759.2	100.0
FAM19A4	NM_182522.4	100.0
FAM19A5	NM_015381.5	100.0
FAM200A	NM_145111.3	100.0
FAM200B	NM_001145191.1	100.0
FAM203A	NM_016458.2	75.1
FAM203B	XM_001126758.5	73.8
FAM204A	NM_022063.2	100.0
FAM205A	NM_001141917.1	99.3
FAM206A	NM_017832.3	100.0
FAM207A	NM_058190.2	99.8
FAM208A	NM_015224.3	100.0
FAM208B	NM_017782.4	100.0
FAM209A	NM_001012971.3	100.0
FAM209B	NM_001013646.3	100.0
FAM20A	NM_017565.3	100.0
FAM20B	NM_014864.3	100.0
FAM20C	NM_020223.3	98.8

FAM210A	NM_152352.3	100.0
FAM210B	NM_080821.2	99.1
FAM211A	NM_207387.3	96.4
FAM211B	NM_207644.2	93.5
FAM212A	NM_203370.1	100.0
FAM212B	NM_019099.4	100.0
FAM213A	NM_032333.4	100.0
FAM213B	NM_152371.3	100.0
FAM214A	NM_019600.2	100.0
FAM214B	NM_025182.2	100.0
FAM216A	NM_013300.2	100.0
FAM216B	NM_182508.2	100.0
FAM217A	NM_173563.2	100.0
FAM217B	NM_022106.2	100.0
FAM218A	NM_153027.1	100.0
FAM219A	NM_147202.1	100.0
FAM219B	NM_020447.3	100.0
FAM21A	NM_001005751.1	99.9
FAM21B	NM_018232.1	97.2
FAM21C	NM_015262.2	99.9
FAM220A	NM_001037163.1	100.0
FAM221A	NM_199136.3	100.0
FAM221B	NM_001012446.3	100.0
FAM222A	NM_032829.2	100.0
FAM222B	NM_018182.2	100.0
FAM227A	NM_001013647.1	100.0
FAM227B	NM_152647.2	100.0
FAM228A	NM_001040710.1	100.0
FAM228B	NM_001145710.1	100.0
FAM229A	NM_001167676.1	100.0
FAM229B	NM_001033564.1	100.0
FAM24A	NM_001029888.1	100.0
FAM24B	NM_152644.2	100.0
FAM26D	NM_153036.3	100.0
FAM26E	NM_153711.2	100.0
FAM26F	NM_001010919.2	97.0
FAM32A	NM_014077.2	100.0
FAM35A	NM_019054.2	100.0
FAM3A	NM_021806.2	100.0
FAM3B	NM_058186.3	100.0

FAM3D	NM_138805.2	100.0
FAM43A	NM_153690.4	100.0
FAM43B	NM_207334.2	81.6
FAM45A	NM_207009.2	100.0
FAM46A	NM_017633.2	100.0
FAM46B	NM_052943.3	100.0
FAM46C	NM_017709.3	100.0
FAM46D	NM_152630.4	100.0
FAM47A	NM_203408.3	100.0
FAM47B	NM_152631.2	100.0
FAM47C	NM_001013736.2	100.0
FAM47E	NM_001136570.2	100.0
FAM47E-STBD1	NM_001242939.1	100.0
FAM49A	NM_030797.3	100.0
FAM49B	NM_016623.4	100.0
FAM50A	NM_004699.3	99.7
FAM50B	NM_012135.1	100.0
FAM53A	NM_001013622.3	100.0
FAM53B	NM_014661.3	100.0
FAM53C	NM_016605.2	100.0
FAM57A	NM_024792.1	100.0
FAM57B	NM_031478.4	100.0
FAM58A	NM_152274.4	99.8
FAM5C	NM_199051.1	100.0
FAM60A	NM_021238.2	100.0
FAM63A	NM_018379.4	100.0
FAM63B	NM_001040450.1	100.0
FAM64A	NM_019013.2	100.0
FAM65A	NM_024519.3	100.0
FAM65B	NM_014722.2	100.0
FAM65C	NM_080829.2	100.0
FAM69A	NM_001006605.4	100.0
FAM69B	NM_152421.3	100.0
FAM69C	NM_001044369.2	94.9
FAM71A	NM_153606.3	100.0
FAM71B	NM_130899.2	100.0
FAM71C	NM_153364.3	100.0
FAM71D	NM_173526.3	100.0
FAM71E1	NM_138411.1	99.9
FAM71E2	NM_001145402.1	100.0

FAM71F1	NM_032599.2	100.0
FAM71F2	NM_001012454.3	100.0
FAM73A	NM_198549.3	100.0
FAM73B	NM_032809.2	100.0
FAM76A	NM_152660.2	100.0
FAM76B	NM_144664.4	100.0
FAM78A	NM_033387.3	100.0
FAM78B	NM_001017961.3	100.0
FAM81A	NM_152450.2	100.0
FAM81B	NM_152548.2	100.0
FAM83A	NM_032899.4	100.0
FAM83B	NM_001010872.2	100.0
FAM83C	NM_178468.5	100.0
FAM83D	NM_030919.2	100.0
FAM83E	NM_017708.3	99.4
FAM83F	NM_138435.2	100.0
FAM83G	NM_001039999.2	100.0
FAM83H	NM_198488.3	99.6
FAM84A	NM_145175.2	100.0
FAM84B	NM_174911.4	100.0
FAM86C1	NM_018172.2	100.0
FAM89A	NM_198552.2	92.9
FAM89B	NM_152832.2	80.7
FAM8A1	NM_016255.2	98.3
FAM90A1	NM_018088.3	100.0
FAM91A1	NM_144963.2	100.0
FAM92A1	NM_145269.3	100.0
FAM92B	NM_198491.1	100.0
FAM96A	NM_032231.4	100.0
FAM96B	NM_016062.3	100.0
FAM98A	NM_015475.3	100.0
FAM98B	NM_173611.2	100.0
FAM98C	NM_174905.3	100.0
FAM9A	NM_174951.3	100.0
FAM9B	NM_205849.2	100.0
FAM9C	NM_174901.5	100.0
FAN1	NM_014967.4	100.0
FANCA	NM_000135.2	100.0
FANCB	NM_001018113.1	100.0
FANCC	NM_000136.2	100.0

FANCD2	NM_033084.3	100.0
FANCD2OS	NM_173472.1	100.0
FANCE	NM_021922.2	98.7
FANCF	NM_022725.3	100.0
FANCG	NM_004629.1	100.0
FANCI	NM_001113378.1	100.0
FANCL	NM_018062.3	100.0
FANCM	NM_020937.2	100.0
FANK1	NM_145235.3	100.0
FAP	NM_004460.2	100.0
FAR1	NM_032228.5	100.0
FAR2	NM_018099.4	100.0
FARP1	NM_005766.2	100.0
FARP2	NM_014808.2	100.0
FARS2	NM_006567.3	100.0
FARSA	NM_004461.2	100.0
FARSB	NM_005687.3	100.0
FAS	NM_000043.4	100.0
FASLG	NM_000639.1	100.0
FASN	NM_004104.4	100.0
FASTK	NM_006712.4	100.0
FASTKD1	NM_024622.4	100.0
FASTKD2	NM_014929.3	100.0
FASTKD3	NM_024091.3	100.0
FASTKD5	NM_021826.4	100.0
FAT1	NM_005245.3	100.0
FAT2	NM_001447.2	100.0
FAT3	NM_001008781.2	100.0
FAT4	NM_024582.4	100.0
FATE1	NM_033085.2	100.0
FAU	NM_001997.4	100.0
FAXC	NM_032511.2	100.0
FAXDC2	NM_032385.3	100.0
FBF1	NM_001080542.1	100.0
FBL	NM_001436.3	100.0
FBLIM1	NM_001024215.1	100.0
FBLN1	NM_006486.2	99.1
FBLN2	NM_001004019.1	100.0
FBLN5	NM_006329.3	100.0
FBLN7	NM_153214.2	100.0

FBN1	NM_000138.4	100.0
FBN2	NM_001999.3	100.0
FBN3	NM_032447.3	100.0
FBP1	NM_000507.3	100.0
FBP2	NM_003837.2	100.0
FBRS	NM_001105079.1	100.0
FBRSL1	NM_001142641.1	91.4
FBXL12	NM_017703.1	100.0
FBXL13	NM_145032.3	100.0
FBXL14	NM_152441.2	100.0
FBXL15	NM_024326.3	100.0
FBXL16	NM_153350.3	100.0
FBXL17	NM_001163315.2	94.9
FBXL18	NM_024963.4	100.0
FBXL19	NM_001099784.2	100.0
FBXL2	NM_012157.3	100.0
FBXL20	NM_032875.2	100.0
FBXL21	NM_012159.4	99.9
FBXL22	NM_203373.2	100.0
FBXL3	NM_012158.2	100.0
FBXL4	NM_012160.4	100.0
FBXL5	NM_012161.3	100.0
FBXL6	NM_012162.3	98.3
FBXL7	NM_012304.4	100.0
FBXL8	NM_018378.2	100.0
FBXO10	NM_012166.2	100.0
FBXO11	NM_025133.4	100.0
FBXO15	NM_152676.2	100.0
FBXO16	NM_172366.3	100.0
FBXO17	NM_024907.6	100.0
FBXO18	NM_032807.4	100.0
FBXO2	NM_012168.5	100.0
FBXO21	NM_015002.2	100.0
FBXO22	NM_012170.3	100.0
FBXO24	NM_012172.4	100.0
FBXO25	NM_012173.3	100.0
FBXO27	NM_178820.3	99.9
FBXO3	NM_012175.3	100.0
FBXO30	NM_032145.4	100.0
FBXO31	NM_024735.3	96.4

FBXO32	NM_058229.3	100.0
FBXO33	NM_203301.3	95.5
FBXO34	NM_017943.3	100.0
FBXO36	NM_174899.4	100.0
FBXO38	NM_030793.4	100.0
FBXO39	NM_153230.2	100.0
FBXO4	NM_012176.2	100.0
FBXO40	NM_016298.3	100.0
FBXO41	NM_001080410.2	100.0
FBXO42	NM_018994.1	100.0
FBXO43	NM_001029860.3	100.0
FBXO44	NM_033182.5	100.0
FBXO45	NM_001105573.1	91.0
FBXO46	NM_001080469.1	100.0
FBXO47	NM_001008777.2	100.0
FBXO48	NM_001024680.1	100.0
FBXO5	NM_012177.3	100.0
FBXO6	NM_018438.5	100.0
FBXO7	NM_012179.3	100.0
FBXO8	NM_012180.2	100.0
FBXO9	NM_012347.4	100.0
FBXW10	NM_001267585.1	99.8
FBXW11	NM_012300.2	100.0
FBXW12	NM_207102.2	100.0
FBXW2	NM_012164.3	100.0
FBXW4	NM_022039.3	100.0
FBXW5	NM_018998.3	100.0
FBXW8	NM_012174.1	99.8
FBXW9	NM_032301.2	100.0
FCAMR	NM_032029.4	100.0
FCAR	NM_002000.2	100.0
FCER1A	NM_002001.3	100.0
FCER1G	NM_004106.1	100.0
FCER2	NM_002002.4	100.0
FCF1	NM_015962.4	100.0
FCGBP	NM_003890.2	99.4
FCGR1A	NM_000566.3	100.0
FCGR1B	NM_001004340.3	100.0
FCGR2A	NM_021642.3	100.0
FCGR2B	NM_004001.4	100.0

FCGR3A	NM_000569.6	100.0
FCGR3B	NM_000570.4	98.1
FCHO1	NM_015122.2	100.0
FCHO2	NM_138782.2	100.0
FCHSD1	NM_033449.2	100.0
FCHSD2	NM_014824.2	100.0
FCN1	NM_002003.3	100.0
FCN2	NM_004108.2	100.0
FCN3	NM_003665.2	100.0
FCRL1	NM_052938.4	100.0
FCRL2	NM_030764.3	100.0
FCRL3	NM_052939.3	100.0
FCRL4	NM_031282.2	100.0
FCRL5	NM_031281.2	100.0
FCRL6	NM_001004310.2	100.0
FCRLA	NM_032738.3	100.0
FCRLB	NM_001002901.2	100.0
FDCSP	NM_152997.3	100.0
FDFT1	NM_004462.3	100.0
FDPS	NM_002004.3	100.0
FDX1	NM_004109.4	97.0
FDX1L	NM_001031734.2	99.9
FDXACB1	NM_138378.2	100.0
FDXR	NM_004110.3	100.0
FECH	NM_000140.3	100.0
FEM1A	NM_018708.2	100.0
FEM1B	NM_015322.3	100.0
FEM1C	NM_020177.2	100.0
FEN1	NM_004111.5	100.0
FER	NM_005246.2	100.0
FER1L5	NM_001113382.1	100.0
FER1L6	NM_001039112.2	100.0
FERD3L	NM_152898.2	100.0
FERMT1	NM_017671.4	100.0
FERMT2	NM_006832.2	100.0
FERMT3	NM_031471.5	100.0
FES	NM_002005.3	100.0
FETUB	NM_014375.2	100.0
FEV	NM_017521.2	83.0
FEZ1	NM_005103.4	100.0

FEZ2	NM_005102.2	99.9
FEZF1	NM_001024613.2	100.0
FEZF2	NM_018008.3	97.0
FFAR1	NM_005303.2	100.0
FFAR2	NM_005306.2	100.0
FFAR3	NM_005304.3	100.0
FFAR4	NM_181745.3	100.0
FGA	NM_021871.2	100.0
FGB	NM_005141.4	100.0
FGD1	NM_004463.2	100.0
FGD2	NM_173558.3	100.0
FGD3	NM_001083536.1	100.0
FGD4	NM_139241.2	100.0
FGD5	NM_152536.3	100.0
FGD6	NM_018351.3	100.0
FGF1	NM_000800.4	100.0
FGF10	NM_004465.1	100.0
FGF11	NM_004112.2	100.0
FGF12	NM_021032.4	100.0
FGF13	NM_004114.3	100.0
FGF14	NM_004115.3	100.0
FGF16	NM_003868.1	100.0
FGF17	NM_003867.2	100.0
FGF18	NM_003862.2	100.0
FGF19	NM_005117.2	100.0
FGF2	NM_002006.4	87.5
FGF20	NM_019851.2	99.3
FGF21	NM_019113.2	100.0
FGF22	NM_020637.1	91.0
FGF23	NM_020638.2	100.0
FGF3	NM_005247.2	98.3
FGF4	NM_002007.2	98.4
FGF5	NM_004464.3	100.0
FGF6	NM_020996.1	100.0
FGF7	NM_002009.3	100.0
FGF8	NM_033163.3	99.9
FGF9	NM_002010.2	100.0
FGFBP1	NM_005130.4	100.0
FGFBP2	NM_031950.3	100.0
FGFBP3	NM_152429.4	94.5

FGFR1	NM_023110.2	100.0
FGFR1OP	NM_007045.3	100.0
FGFR1OP2	NM_015633.2	100.0
FGFR2	NM_000141.4	100.0
FGFR3	NM_000142.4	100.0
FGFR4	NM_002011.3	100.0
FGFRL1	NM_001004356.2	100.0
FGG	NM_000509.4	100.0
FGGY	NM_018291.3	100.0
FGL1	NM_004467.3	100.0
FGL2	NM_006682.2	100.0
FGR	NM_005248.2	100.0
FH	NM_000143.3	100.0
FHAD1	NM_052929.1	100.0
FHDC1	NM_033393.2	100.0
FHIT	NM_002012.2	100.0
FHL1	NM_001449.4	100.0
FHL2	NM_201555.1	100.0
FHL3	NM_004468.4	100.0
FHL5	NM_020482.4	100.0
FHOD1	NM_013241.2	100.0
FHOD3	NM_025135.2	100.0
FIBCD1	NM_032843.4	100.0
FIBIN	NM_203371.1	100.0
FIBP	NM_004214.4	100.0
FICD	NM_007076.2	100.0
FIG4	NM_014845.5	100.0
FIGF	NM_004469.4	100.0
FIGLA	NM_001004311.3	100.0
FIGN	NM_018086.2	100.0
FIGNL1	NM_022116.3	100.0
FIGNL2	NM_001013690.4	93.0
FILIP1	NM_015687.2	100.0
FILIP1L	NM_014890.2	100.0
FIP1L1	NM_030917.3	100.0
FIS1	NM_016068.2	100.0
FITM1	NM_203402.2	100.0
FITM2	NM_001080472.1	100.0
FIZ1	NM_032836.2	91.5
FJX1	NM_014344.3	97.0

FKBP10	NM_021939.3	100.0
FKBP11	NM_016594.2	100.0
FKBP14	NM_017946.3	100.0
FKBP15	NM_015258.1	100.0
FKBP1A	NM_000801.4	96.5
FKBP1B	NM_004116.3	100.0
FKBP2	NM_004470.3	100.0
FKBP3	NM_002013.3	100.0
FKBP4	NM_002014.3	100.0
FKBP5	NM_004117.3	100.0
FKBP6	NM_003602.4	100.0
FKBP7	NM_181342.2	100.0
FKBP8	NM_012181.3	100.0
FKBP9	NM_007270.3	99.7
FKBPL	NM_022110.3	100.0
FKRP	NM_024301.4	99.9
FKTN	NM_001079802.1	100.0
FLAD1	NM_025207.4	100.0
FLCN	NM_144997.5	100.0
FLG	NM_002016.1	100.0
FLG2	NM_001014342.2	99.9
FLI1	NM_002017.4	100.0
FLII	NM_002018.3	100.0
FLJ22184	NM_001190467.1	99.1
FLJ44313	NM_001272093.1	100.0
FLJ44635	NM_207422.2	99.5
FLJ45513	NM_001242791.1	100.0
FLNA	NM_001456.3	100.0
FLNB	NM_001457.3	100.0
FLNC	NM_001458.4	100.0
FLOT1	NM_005803.2	100.0
FLOT2	NM_004475.2	100.0
FLRT1	NM_013280.4	100.0
FLRT2	NM_013231.4	100.0
FLRT3	NM_198391.2	100.0
FLT1	NM_002019.4	100.0
FLT3	NM_004119.2	100.0
FLT3LG	NM_001459.3	100.0
FLT4	NM_002020.4	100.0
FLVCR1	NM_014053.3	100.0

FLVCR2	NM_017791.2	100.0
FLYWCH1	NM_020912.1	100.0
FLYWCH2	NM_138439.2	100.0
FMN1	NM_001103184.3	100.0
FMN2	NM_020066.4	100.0
FMNL1	NM_005892.3	98.5
FMNL2	NM_052905.3	100.0
FMNL3	NM_175736.4	100.0
FMO1	NM_002021.1	100.0
FMO2	NM_001460.3	100.0
FMO3	NM_006894.5	100.0
FMO4	NM_002022.1	100.0
FMO5	NM_001461.3	100.0
FMOD	NM_002023.4	100.0
FMR1	NM_002024.5	100.0
FMR1NB	NM_152578.2	100.0
FN1	NM_212482.1	100.0
FN3K	NM_022158.3	100.0
FN3KRP	NM_024619.3	100.0
FNBP1	NM_015033.2	100.0
FNBP1L	NM_017737.4	100.0
FNBP4	NM_015308.2	100.0
FNDC1	NM_032532.2	99.0
FNDC3A	NM_014923.4	100.0
FNDC3B	NM_022763.3	100.0
FNDC4	NM_022823.2	100.0
FNDC5	NM_153756.2	99.8
FNDC7	NM_001144937.1	100.0
FNDC8	NM_017559.2	100.0
FNDC9	NM_001001343.3	100.0
FNIP1	NM_133372.2	100.0
FNIP2	NM_020840.1	100.0
FNTA	NM_002027.2	99.9
FNTB	NM_002028.3	100.0
FOCAD	NM_017794.3	100.0
FOLH1	NM_004476.1	100.0
FOLH1B	NM_153696.2	100.0
FOLR1	NM_016725.2	100.0
FOLR2	NM_000803.4	100.0
FOLR3	NM_000804.2	100.0

FOLR4	NM_001199206.1	100.0
FOPNL	NM_144600.2	100.0
FOS	NM_005252.3	100.0
FOSB	NM_006732.2	100.0
FOSL1	NM_005438.3	100.0
FOSL2	NM_005253.3	100.0
FOXA1	NM_004496.3	100.0
FOXA2	NM_021784.4	99.5
FOXA3	NM_004497.2	100.0
FOXB1	NM_012182.2	100.0
FOXB2	NM_001013735.1	97.9
FOXC1	NM_001453.2	91.8
FOXC2	NM_005251.2	98.6
FOXD1	NM_004472.2	68.3
FOXD2	NM_004474.3	96.0
FOXD3	NM_012183.2	91.3
FOXE1	NM_004473.3	92.3
FOXE3	NM_012186.2	84.9
FOXF1	NM_001451.2	94.8
FOXF2	NM_001452.1	92.8
FOXG1	NM_005249.4	93.4
FOXH1	NM_003923.2	100.0
FOXI1	NM_012188.4	100.0
FOXI2	NM_207426.2	99.4
FOXI3	NM_001135649.1	77.6
FOXJ1	NM_001454.3	100.0
FOXJ2	NM_018416.2	100.0
FOXJ3	NM_014947.4	100.0
FOXK1	NM_001037165.1	90.7
FOXK2	NM_004514.3	96.0
FOXL1	NM_005250.2	96.8
FOXL2	NM_023067.3	95.7
FOXN1	NM_021953.3	100.0
FOXN2	NM_003593.2	100.0
FOXN3	NM_002158.3	100.0
FOXN4	NM_005197.3	100.0
FOXN4	NM_213596.2	100.0
FOXO1	NM_002015.3	94.4
FOXO3	NM_001455.3	100.0
FOXO4	NM_005938.3	100.0

FOXO6	XM_002342102.5	88.5
FOXP1	NM_032682.5	100.0
FOXP2	NM_014491.3	100.0
FOXP3	NM_014009.3	100.0
FOXP4	NM_138457.2	100.0
FOXQ1	NM_033260.3	83.3
FOXR1	NM_181721.2	100.0
FOXR2	NM_198451.3	100.0
FOXRED1	NM_017547.3	100.0
FOXRED2	NM_024955.5	100.0
FOXS1	NM_004118.3	100.0
FPGS	NM_004957.4	99.5
FPGT	NM_003838.4	100.0
FPGT-TNNI3K	NM_001112808.2	100.0
FPR1	NM_002029.3	100.0
FPR2	NM_001005738.1	100.0
FPR3	NM_002030.3	100.0
FRA10AC1	NM_145246.4	100.0
FRAS1	NM_025074.6	100.0
FRAT1	NM_005479.3	88.1
FRAT2	NM_012083.2	81.6
FREM1	NM_144966.5	100.0
FREM2	NM_207361.4	100.0
FREM3	NM_001168235.1	100.0
FRG1	NM_004477.2	100.0
FRG2	NM_001005217.1	100.0
FRG2B	NM_001080998.1	99.4
FRG2C	NM_001124759.1	100.0
FRK	NM_002031.2	100.0
FRMD1	NM_024919.3	100.0
FRMD3	NM_174938.5	100.0
FRMD4A	NM_018027.3	100.0
FRMD4B	NM_015123.1	100.0
FRMD5	NM_032892.3	100.0
FRMD6	NM_001042481.2	100.0
FRMD7	NM_194277.2	100.0
FRMD8	NM_031904.3	100.0
FRMPD1	NM_014907.2	100.0
FRMPD2	NM_001018071.3	98.8
FRMPD3	XM_042978.8	100.0

FRMPD4	NM_014728.3	100.0
FRRS1	NM_001013660.2	100.0
FRRS1L	NM_014334.2	94.3
FRS2	NM_006654.4	100.0
FRS3	NM_006653.4	100.0
FRY	NM_023037.2	100.0
FRYL	NM_015030.1	100.0
FRZB	NM_001463.3	100.0
FSBP	NM_001256141.1	100.0
FSCB	NM_032135.3	100.0
FSCN1	NM_003088.3	100.0
FSCN2	NM_001077182.2	100.0
FSCN3	NM_020369.2	100.0
FSD1	NM_024333.2	100.0
FSD1L	NM_001145313.1	100.0
FSD2	NM_001007122.2	100.0
FSHB	NM_000510.2	100.0
FSHR	NM_000145.3	100.0
FSIP1	NM_152597.4	100.0
FSIP2	NM_173651.2	100.0
FST	NM_006350.3	100.0
FSTL1	NM_007085.4	100.0
FSTL3	NM_005860.2	97.8
FSTL4	NM_015082.1	100.0
FTCD	NM_006657.2	99.9
FTH1	NM_002032.2	100.0
FTHL17	NM_031894.2	100.0
FTL	NM_000146.3	100.0
FTMT	NM_177478.1	100.0
FTO	NM_001080432.2	100.0
FTSJ1	NM_012280.2	100.0
FTSJ2	NM_013393.1	100.0
FTSJ3	NM_017647.3	100.0
FUBP1	NM_003902.3	100.0
FUBP3	NM_003934.1	99.9
FUCA1	NM_000147.4	100.0
FUCA2	NM_032020.4	100.0
FUK	NM_145059.2	100.0
FUNDC1	NM_173794.3	100.0
FUNDC2	NM_023934.3	100.0

FUOM	NM_198472.2	100.0
FURIN	NM_002569.2	100.0
FUS	NM_004960.3	100.0
FUT1	NM_000148.3	100.0
FUT10	NM_032664.3	100.0
FUT11	NM_173540.2	100.0
FUT2	NM_000511.5	100.0
FUT3	NM_000149.3	100.0
FUT4	NM_002033.3	97.1
FUT5	NM_002034.2	100.0
FUT6	NM_000150.2	100.0
FUT7	NM_004479.3	100.0
FUT8	NM_178155.2	100.0
FUT9	NM_006581.3	100.0
FUZ	NM_025129.4	100.0
FXN	NM_000144.4	100.0
FXR1	NM_005087.3	100.0
FXR2	NM_004860.3	100.0
FXYD1	NM_005031.4	100.0
FXYD2	NM_001680.4	100.0
FXYD3	NM_005971.3	100.0
FXYD4	NM_173160.2	100.0
FXYD5	NM_014164.5	100.0
FXYD6	NM_022003.3	100.0
FXYD6-FXYD2	NM_001204268.1	100.0
FXYD7	NM_022006.1	100.0
FYB	NM_001465.4	100.0
FYCO1	NM_024513.3	100.0
FYN	NM_002037.5	100.0
FYTTD1	NM_032288.6	100.0
FZD1	NM_003505.1	99.7
FZD10	NM_007197.3	100.0
FZD2	NM_001466.3	99.8
FZD3	NM_017412.3	100.0
FZD4	NM_012193.3	100.0
FZD5	NM_003468.3	100.0
FZD6	NM_003506.3	100.0
FZD7	NM_003507.1	100.0
FZD8	NM_031866.2	87.2
FZD9	NM_003508.2	97.2

FZR1	NM_016263.3	100.0
G0S2	NM_015714.3	100.0
G2E3	NM_017769.3	100.0
G3BP1	NM_005754.2	100.0
G3BP2	NM_012297.4	100.0
G6PC	NM_000151.3	100.0
G6PC2	NM_021176.2	100.0
G6PC3	NM_138387.3	100.0
G6PD	NM_001042351.1	100.0
GAA	NM_000152.3	100.0
GAB1	NM_207123.2	100.0
GAB2	NM_080491.2	100.0
GAB3	NM_080612.2	100.0
GAB4	NM_001037814.1	100.0
GABARAP	NM_007278.1	100.0
GABARAPL1	NM_031412.2	100.0
GABARAPL2	NM_007285.6	100.0
GABBR1	NM_001470.2	100.0
GABBR2	NM_005458.7	96.5
GABPA	NM_002040.3	100.0
GABPB1	NM_002041.4	100.0
GABPB2	NM_144618.2	100.0
GABRA1	NM_000806.5	100.0
GABRA2	NM_000807.2	100.0
GABRA3	NM_000808.3	100.0
GABRA4	NM_000809.3	100.0
GABRA5	NM_000810.3	100.0
GABRA6	NM_000811.2	100.0
GABRB1	NM_000812.3	100.0
GABRB2	NM_021911.2	100.0
GABRB3	NM_000814.5	100.0
GABRD	NM_000815.4	99.4
GABRE	NM_004961.3	100.0
GABRG1	NM_173536.3	100.0
GABRG2	NM_000816.3	100.0
GABRG3	NM_033223.4	100.0
GABRP	NM_014211.2	100.0
GABRQ	NM_018558.3	100.0
GABRR1	NM_002042.4	100.0
GABRR2	NM_002043.3	100.0

GAD1	NM_000817.2	100.0
GAD2	NM_000818.2	100.0
GADD45A	NM_001924.3	100.0
GADD45B	NM_015675.3	100.0
GADD45G	NM_006705.3	100.0
GADD45GIP1	NM_052850.3	100.0
GADL1	NM_207359.2	100.0
GAGE1	NM_001040663.2	100.0
GAGE10	NM_001098413.2	99.7
GAK	NM_005255.2	100.0
GAL	NM_015973.3	100.0
GAL3ST1	NM_004861.1	100.0
GAL3ST2	NM_022134.2	98.1
GAL3ST3	NM_033036.2	98.3
GAL3ST4	NM_024637.4	100.0
GALC	NM_000153.3	100.0
GALE	NM_000403.3	100.0
GALK1	NM_000154.1	100.0
GALK2	NM_002044.2	100.0
GALM	NM_138801.2	100.0
GALNS	NM_000512.4	100.0
GALNT1	NM_020474.3	100.0
GALNT10	NM_198321.3	100.0
GALNT11	NM_022087.2	100.0
GALNT12	NM_024642.4	95.2
GALNT13	NM_052917.2	100.0
GALNT14	NM_024572.3	100.0
GALNT15	NM_054110.4	100.0
GALNT16	NM_020692.2	100.0
GALNT18	NM_198516.2	100.0
GALNT2	NM_004481.3	100.0
GALNT3	NM_004482.3	100.0
GALNT4	NM_003774.4	100.0
GALNT5	NM_014568.1	100.0
GALNT6	NM_007210.3	100.0
GALNT7	NM_017423.2	100.0
GALNT8	NM_017417.1	100.0
GALNTL5	NM_145292.3	100.0
GALNTL6	NM_001034845.2	100.0
GALP	NM_033106.3	100.0

GALR1	NM_001480.3	100.0
GALR2	NM_003857.2	99.9
GALR3	NM_003614.1	90.4
GALT	NM_000155.3	100.0
GAMT	NM_000156.5	100.0
GAN	NM_022041.3	100.0
GANAB	NM_198334.2	100.0
GANC	NM_198141.2	100.0
GAP43	NM_001130064.1	100.0
GAPDH	NM_002046.4	100.0
GAPDHS	NM_014364.4	100.0
GAPT	NM_152687.2	100.0
GAPVD1	NM_015635.2	100.0
GAR1	NM_018983.3	100.0
GAREM	NM_001242409.1	100.0
GAREML	NM_001168241.1	96.3
GARNL3	NM_032293.4	100.0
GARS	NM_002047.2	100.0
GART	NM_000819.4	100.0
GAS1	NM_002048.2	90.5
GAS2	NM_005256.3	100.0
GAS2L1	NM_006478.4	100.0
GAS2L2	NM_139285.3	100.0
GAS2L3	NM_174942.1	100.0
GAS6	NM_000820.2	97.2
GAS8	NM_001481.2	100.0
GAST	NM_000805.4	100.0
GATA1	NM_002049.3	100.0
GATA2	NM_032638.4	100.0
GATA3	NM_001002295.1	100.0
GATA4	NM_002052.3	97.4
GATA5	NM_080473.4	99.6
GATA6	NM_005257.4	92.6
GATAD1	NM_021167.4	91.4
GATAD2A	NM_017660.3	100.0
GATAD2B	NM_020699.2	100.0
GATC	NM_176818.2	100.0
GATM	NM_001482.2	100.0
GATS	NM_178831.6	100.0
GATSL1	NM_001145063.2	100.0

GATSL2	NM_001145064.1	100.0
GATSL3	NM_001037666.2	100.0
GBA	NM_001005741.2	100.0
GBA2	NM_020944.2	100.0
GBAS	NM_001483.2	93.8
GBE1	NM_000158.3	100.0
GBF1	NM_004193.2	100.0
GBGT1	NM_021996.4	100.0
GBP1	NM_002053.2	100.0
GBP2	NM_004120.4	100.0
GBP3	NM_018284.2	97.0
GBP4	NM_052941.4	100.0
GBP5	NM_052942.3	100.0
GBP6	NM_198460.2	100.0
GBP7	NM_207398.2	100.0
GBX1	NM_001098834.1	98.0
GBX2	NM_001485.2	99.7
GC	NM_000583.3	100.0
GCA	NM_012198.3	100.0
GCAT	NM_014291.3	100.0
GCC1	NM_024523.5	100.0
GCC2	NM_181453.3	100.0
GCDH	NM_000159.3	100.0
GCFC2	NM_003203.4	100.0
GCG	NM_002054.4	100.0
GCGR	NM_000160.3	100.0
GCH1	NM_000161.2	100.0
GCHFR	NM_005258.2	100.0
GCK	NM_000162.3	100.0
GCKR	NM_001486.3	100.0
GCLC	NM_001498.3	100.0
GCLM	NM_002061.2	100.0
GCM1	NM_003643.3	100.0
GCM2	NM_004752.3	100.0
GCN1L1	NM_006836.1	100.0
GCNT1	NM_001490.4	100.0
GCNT2	NM_001491.2	100.0
GCNT3	NM_004751.2	100.0
GCNT4	NM_016591.2	100.0
GCNT7	NM_080615.1	100.0

GCOM1	NM_001018090.4	100.0
GCSAM	NM_152785.4	100.0
GCSAML	NM_145278.3	100.0
GCSH	NM_004483.4	100.0
GDA	NM_004293.4	100.0
GDAP1	NM_018972.2	100.0
GDAP1L1	NM_024034.4	100.0
GDAP2	NM_017686.3	100.0
GDE1	NM_016641.3	100.0
GDF1	NM_001492.4	84.7
GDF10	NM_004962.3	100.0
GDF11	NM_005811.3	96.6
GDF15	NM_004864.2	100.0
GDF2	NM_016204.1	100.0
GDF3	NM_020634.1	100.0
GDF5	NM_000557.2	100.0
GDF6	NM_001001557.2	98.5
GDF7	NM_182828.2	89.0
GDF9	NM_005260.3	100.0
GDI1	NM_001493.2	100.0
GDI2	NM_001494.3	100.0
GNDF	NM_000514.3	100.0
GDPD1	NM_182569.3	100.0
GDPD2	NM_017711.3	100.0
GDPD3	NM_024307.2	100.0
GDPD4	NM_182833.1	100.0
GDPD5	NM_030792.6	100.0
GDPGP1	NM_001013657.2	100.0
GEM	NM_005261.3	100.0
GEMIN2	NM_003616.2	100.0
GEMIN4	NM_015721.2	100.0
GEMIN5	NM_015465.4	100.0
GEMIN6	NM_024775.9	100.0
GEMIN7	NM_024707.2	100.0
GEMIN8	NM_017856.2	100.0
GEN1	NM_182625.3	100.0
GET4	NM_015949.2	98.4
GFAP	NM_002055.4	100.0
GFER	NM_005262.2	99.0
GFI1	NM_005263.3	98.8

GFI1B	NM_004188.4	100.0
GFM1	NM_024996.5	100.0
GFM2	NM_032380.4	100.0
GFOD1	NM_018988.3	100.0
GFOD2	NM_030819.3	100.0
GFPT1	NM_002056.3	100.0
GFPT2	NM_005110.2	100.0
GFRA1	NM_005264.4	100.0
GFRA2	NM_001495.4	100.0
GFRA3	NM_001496.3	100.0
GFRA4	NM_022139.3	97.0
GFRAL	NM_207410.2	100.0
GGA1	NM_013365.4	100.0
GGA2	NM_015044.4	100.0
GGA3	NM_138619.2	100.0
GGACT	NM_033110.2	100.0
GGCT	NM_024051.3	100.0
GGCX	NM_000821.5	100.0
GGH	NM_003878.2	100.0
GGN	NM_152657.3	100.0
GGNBP2	NM_024835.4	100.0
GGPS1	NM_001037277.1	100.0
GGT1	NM_005265.2	100.0
GGT5	NM_004121.2	100.0
GGT6	NM_153338.2	100.0
GGT7	NM_178026.2	100.0
GGTLC1	NM_178311.2	100.0
GGTLC2	NM_199127.2	100.0
GH1	NM_000515.3	100.0
GH2	NM_002059.4	100.0
GHDC	NM_032484.4	100.0
GHITM	NM_014394.2	100.0
GHR	NM_000163.4	99.7
GHRH	NM_021081.4	100.0
GHRHR	NM_000823.3	100.0
GHRL	NM_016362.3	100.0
GHSR	NM_198407.2	100.0
GID4	NM_024052.4	100.0
GID8	NM_017896.2	100.0
GIF	NM_005142.2	100.0

GIGYF1	NM_022574.4	100.0
GIGYF2	NM_001103146.1	100.0
GIMAP1	NM_130759.3	100.0
GIMAP1-GIMAP5	NM_001199577.1	100.0
GIMAP2	NM_015660.2	100.0
GIMAP4	NM_018326.2	100.0
GIMAP5	NM_018384.4	100.0
GIMAP6	NM_024711.5	100.0
GIMAP7	NM_153236.3	100.0
GIMAP8	NM_175571.2	100.0
GIMD1	NM_001195138.1	100.0
GIN1	NM_017676.2	100.0
GINM1	NM_138785.3	100.0
GINS1	NM_021067.3	100.0
GINS2	NM_016095.2	100.0
GINS3	NM_022770.3	100.0
GINS4	NM_032336.2	100.0
GIP	NM_004123.2	100.0
GIPC1	NM_202470.2	100.0
GIPC2	NM_017655.4	100.0
GIPC3	NM_133261.2	98.0
GIPR	NM_000164.2	100.0
GIT1	NM_001085454.1	100.0
GIT2	NM_014776.3	100.0
GJA1	NM_000165.3	100.0
GJA10	NM_032602.1	100.0
GJA3	NM_021954.3	100.0
GJA4	NM_002060.2	100.0
GJA5	NM_005266.6	100.0
GJA8	NM_005267.4	100.0
GJA9	NM_030772.4	100.0
GJB1	NM_000166.5	100.0
GJB2	NM_004004.5	100.0
GJB3	NM_024009.2	100.0
GJB4	NM_153212.2	100.0
GJB5	NM_005268.3	100.0
GJB6	NM_006783.4	100.0
GJB7	NM_198568.2	100.0
GJC1	NM_005497.3	100.0
GJC2	NM_020435.3	94.9

GJC3	NM_181538.2	100.0
GJD2	NM_020660.2	100.0
GJD3	NM_152219.3	89.2
GJD4	NM_153368.2	100.0
GK	NM_000167.5	100.0
GK2	NM_033214.2	100.0
GK5	NM_001039547.2	100.0
GKAP1	NM_025211.3	100.0
GKN1	NM_019617.3	100.0
GKN2	NM_182536.2	100.0
GLA	NM_000169.2	100.0
GLB1	NM_000404.2	100.0
GLB1L	NM_024506.3	100.0
GLB1L2	NM_138342.3	100.0
GLB1L3	NM_001080407.2	100.0
GLCCI1	NM_138426.3	94.6
GLCE	NM_015554.1	100.0
GLDC	NM_000170.2	99.2
GLDN	NM_181789.2	99.5
GLE1	NM_001003722.1	100.0
GLG1	NM_012201.5	100.0
GLI1	NM_005269.2	100.0
GLI2	NM_005270.4	98.4
GLI3	NM_000168.5	100.0
GLI4	NM_138465.3	96.8
GLIPR1	NM_006851.2	100.0
GLIPR1L1	NM_152779.2	100.0
GLIPR1L2	NM_001270396.1	100.0
GLIPR2	NM_022343.2	100.0
GLIS1	NM_147193.2	100.0
GLIS2	NM_032575.2	100.0
GLIS3	NM_152629.3	100.0
GLMN	NM_053274.2	100.0
GLO1	NM_006708.2	100.0
GLOD4	NM_016080.3	100.0
GLOD5	NM_001080489.2	100.0
GLP1R	NM_002062.3	100.0
GLP2R	NM_004246.1	100.0
GLRA1	NM_000171.3	100.0
GLRA2	NM_002063.3	100.0

GLRA3	NM_006529.2	100.0
GLRA4	NM_001024452.2	100.0
GLRB	NM_000824.4	100.0
GLRX	NM_002064.2	100.0
GLRX2	NM_016066.4	100.0
GLRX3	NM_006541.4	100.0
GLRX5	NM_016417.2	90.7
GLS	NM_014905.4	98.3
GLS2	NM_013267.3	100.0
GLT1D1	NM_144669.1	99.6
GLT6D1	NM_182974.2	100.0
GLT8D1	NM_018446.3	100.0
GLT8D2	NM_031302.3	100.0
GLTP	NM_016433.3	100.0
GLTPD1	NM_001029885.1	100.0
GLTPD2	NM_001014985.2	100.0
GLTSCR1	NM_015711.3	100.0
GLTSCR1L	NM_015349.1	100.0
GLTSCR2	NM_015710.4	100.0
GLUD1	NM_005271.3	100.0
GLUD2	NM_012084.3	99.9
GLUL	NM_002065.5	100.0
GLYAT	NM_201648.2	100.0
GLYATL1	NM_080661.3	100.0
GLYATL2	NM_145016.3	100.0
GLYATL3	NM_001010904.1	100.0
GLYCTK	NM_145262.3	100.0
GLYR1	NM_032569.3	100.0
GM2A	NM_000405.4	100.0
GMCL1	NM_178439.3	100.0
GMDS	NM_001500.3	100.0
GMEB1	NM_006582.3	100.0
GMEB2	NM_012384.3	100.0
GMFB	NM_004124.2	100.0
GMFG	NM_004877.2	100.0
GMIP	NM_016573.2	100.0
GML	NM_002066.2	100.0
GMNC	NM_001146686.2	100.0
GMNN	NM_015895.4	100.0
GMPPA	NM_205847.2	100.0

GMPPB	NM_021971.2	100.0
GMPR	NM_006877.3	100.0
GMPR2	NM_016576.3	100.0
GMPS	NM_003875.2	100.0
GNA11	NM_002067.2	100.0
GNA12	NM_007353.2	91.8
GNA13	NM_006572.4	100.0
GNA14	NM_004297.3	100.0
GNA15	NM_002068.2	100.0
GNAI1	NM_002069.5	100.0
GNAI2	NM_002070.2	100.0
GNAI3	NM_006496.3	100.0
GNAL	NM_001142339.2	100.0
GNAO1	NM_020988.2	100.0
GNAQ	NM_002072.3	100.0
GNAS	NM_000516.4	100.0
GNAT1	NM_144499.2	100.0
GNAT2	NM_005272.3	100.0
GNAT3	NM_001102386.1	100.0
GNAZ	NM_002073.2	100.0
GNB1	NM_002074.3	100.0
GNB1L	NM_053004.2	100.0
GNB2	NM_005273.3	100.0
GNB2L1	NM_006098.4	100.0
GNB3	NM_002075.2	100.0
GNB4	NM_021629.3	100.0
GNB5	NM_016194.3	100.0
GNE	NM_001128227.2	100.0
GNG10	NM_001017998.3	100.0
GNG11	NM_004126.3	100.0
GNG12	NM_018841.5	100.0
GNG13	NM_016541.2	100.0
GNG2	NM_053064.4	100.0
GNG3	NM_012202.4	100.0
GNG4	NM_004485.3	100.0
GNG5	NM_005274.2	100.0
GNG7	NM_052847.2	100.0
GNG8	NM_033258.1	100.0
GNGT1	NM_021955.3	100.0
GNGT2	NM_031498.2	100.0

GNL1	NM_005275.3	100.0
GNL2	NM_013285.2	100.0
GNL3	NM_014366.4	100.0
GNL3L	NM_019067.5	100.0
GNLY	NM_006433.3	100.0
GNMT	NM_018960.4	100.0
GNPAT	NM_014236.3	100.0
GNPDA1	NM_005471.4	100.0
GNPDA2	NM_138335.2	100.0
GNPNAT1	NM_198066.3	100.0
GNPTAB	NM_024312.4	100.0
GNPTG	NM_032520.4	100.0
GNRH1	NM_000825.3	100.0
GNRH2	NM_001501.1	100.0
GNRHR	NM_000406.2	100.0
GNS	NM_002076.3	100.0
GOLGA1	NM_002077.3	100.0
GOLGA2	NM_004486.4	100.0
GOLGA3	NM_001172557.1	100.0
GOLGA4	NM_002078.4	100.0
GOLGA5	NM_005113.3	100.0
GOLGA6L2	XM_002343322.4	97.2
GOLGA7	NM_016099.2	100.0
GOLGA7B	NM_001010917.2	100.0
GOLGA8A	NM_181077.3	100.0
GOLGA8B	NM_001023567.4	99.9
GOLGA8M	XM_003118930.4	99.5
GOLGB1	NM_001256486.1	100.0
GOLIM4	NM_014498.3	100.0
GOLM1	NM_016548.3	100.0
GOLPH3	NM_022130.3	96.0
GOLPH3L	NM_018178.5	100.0
GOLT1A	NM_198447.1	100.0
GOLT1B	NM_016072.4	100.0
GON4L	NM_001037533.1	100.0
GOPC	NM_020399.3	100.0
GORAB	NM_152281.2	100.0
GORASP1	NM_031899.3	100.0
GORASP2	NM_015530.4	100.0
GOSR1	NM_004871.2	100.0

GOSR2	NM_004287.3	100.0
GOT1	NM_002079.2	100.0
GOT1L1	NM_152413.2	100.0
GOT2	NM_002080.2	100.0
GP1BA	NM_000173.5	100.0
GP1BB	NM_000407.4	79.9
GP2	NM_001007240.1	100.0
GP5	NM_004488.2	100.0
GP6	NM_001083899.1	97.4
GP9	NM_000174.3	100.0
GPA33	NM_005814.1	100.0
GPAA1	NM_003801.3	100.0
GPAM	NM_020918.5	100.0
GPANK1	NM_033177.3	100.0
GPAT2	NM_207328.2	99.4
GPATCH1	NM_018025.2	100.0
GPATCH11	NM_174931.3	100.0
GPATCH2	NM_018040.2	100.0
GPATCH2L	NM_017926.2	100.0
GPATCH3	NM_022078.2	100.0
GPATCH4	NM_015590.3	100.0
GPATCH8	NM_001002909.2	100.0
GPBAR1	NM_001077191.1	100.0
GPBP1	NM_022913.3	100.0
GPBP1L1	NM_021639.4	100.0
GPC1	NM_002081.2	99.9
GPC2	NM_152742.1	100.0
GPC3	NM_004484.3	100.0
GPC4	NM_001448.2	100.0
GPC6	NM_005708.3	100.0
GPCPD1	NM_019593.3	100.0
GPD1	NM_005276.3	100.0
GPD1L	NM_015141.3	100.0
GPD2	NM_001083112.2	100.0
GPFR	NM_001505.2	100.0
GPHA2	NM_130769.3	100.0
GPHB5	NM_145171.3	100.0
GPHN	NM_020806.4	100.0
GPI	NM_000175.3	100.0
GPIHBP1	NM_178172.3	100.0

GPKOW	NM_015698.4	100.0
GPLD1	NM_001503.3	100.0
GPM6A	NM_005277.4	100.0
GPM6B	NM_005278.3	100.0
GPN1	NM_007266.3	100.0
GPN2	NM_018066.3	100.0
GPN3	NM_016301.3	100.0
GPNMB	NM_002510.2	100.0
GPR1	NM_005279.3	100.0
GPR101	NM_054021.1	100.0
GPR107	NM_020960.4	100.0
GPR108	NM_001080452.1	100.0
GPR110	NM_025048.2	100.0
GPR111	NM_153839.6	100.0
GPR112	NM_153834.3	100.0
GPR113	NM_153835.3	100.0
GPR114	NM_153837.1	100.0
GPR115	NM_153838.3	100.0
GPR116	NM_015234.4	100.0
GPR119	NM_178471.2	100.0
GPR12	NM_005288.3	100.0
GPR123	NM_001083909.1	100.0
GPR124	NM_032777.9	99.5
GPR125	NM_145290.3	97.5
GPR126	NM_020455.5	100.0
GPR128	NM_032787.2	100.0
GPR132	NM_013345.3	100.0
GPR133	NM_198827.3	100.0
GPR135	NM_022571.5	99.2
GPR137	NM_020155.3	100.0
GPR137B	NM_003272.3	99.8
GPR137C	NM_001099652.1	97.7
GPR139	NM_001002911.2	100.0
GPR141	NM_181791.1	100.0
GPR142	NM_181790.1	100.0
GPR143	NM_000273.2	96.1
GPR144	NM_001161808.1	99.0
GPR146	NM_138445.2	100.0
GPR148	NM_207364.2	100.0
GPR149	NM_001038705.1	100.0

GPR15	NM_005290.2	100.0
GPR150	NM_199243.1	90.7
GPR151	NM_194251.2	100.0
GPR152	NM_206997.1	100.0
GPR153	NM_207370.2	90.3
GPR155	NM_152529.6	100.0
GPR156	NM_153002.2	100.0
GPR157	NM_024980.4	99.4
GPR158	NM_020752.2	100.0
GPR160	NM_014373.2	100.0
GPR161	NM_001267609.1	100.0
GPR162	NM_014449.1	100.0
GPR17	NM_005291.2	100.0
GPR171	NM_013308.3	100.0
GPR173	NM_018969.5	100.0
GPR174	NM_032553.1	100.0
GPR176	NM_007223.2	100.0
GPR179	NM_001004334.2	100.0
GPR18	NM_005292.3	100.0
GPR180	NM_180989.5	100.0
GPR182	NM_007264.3	100.0
GPR183	NM_004951.4	100.0
GPR19	NM_006143.2	100.0
GPR20	NM_005293.2	100.0
GPR21	NM_005294.2	100.0
GPR22	NM_005295.2	100.0
GPR25	NM_005298.3	97.8
GPR26	NM_153442.3	100.0
GPR27	NM_018971.1	89.6
GPR3	NM_005281.3	100.0
GPR31	NM_005299.2	100.0
GPR32	NM_001506.2	100.0
GPR34	NM_005300.3	100.0
GPR35	NM_005301.3	100.0
GPR37	NM_005302.3	100.0
GPR37L1	NM_004767.3	100.0
GPR39	NM_001508.2	100.0
GPR4	NM_005282.2	100.0
GPR45	NM_007227.3	100.0
GPR50	NM_004224.3	99.8

GPR52	NM_005684.4	100.0
GPR55	NM_005683.3	100.0
GPR56 (ADGRG1)	NM_005682.5	100.0
GPR6	NM_005284.3	100.0
GPR61	NM_031936.4	100.0
GPR62	NM_080865.3	96.1
GPR63	NM_030784.3	100.0
GPR64	NM_005756.3	100.0
GPR65	NM_003608.3	100.0
GPR68	NM_003485.3	100.0
GPR75	NM_006794.3	100.0
GPR75-ASB3	NM_001164165.1	100.0
GPR78	NM_080819.4	100.0
GPR82	NM_080817.4	100.0
GPR83	NM_016540.3	100.0
GPR84	NM_020370.2	100.0
GPR85	NM_018970.6	100.0
GPR87	NM_023915.3	100.0
GPR88	NM_022049.2	95.1
GPR89A	NM_001097612.1	100.0
GPR89B	NM_016334.3	100.0
GPR89C	NM_001097616.1	100.0
GPR97	NM_170776.4	100.0
GPR98 (ADGRV1)	NM_032119.3	100.0
GPRASP1	NM_014710.4	100.0
GPRASP2	NM_138437.5	100.0
GPRC5A	NM_003979.3	100.0
GPRC5B	NM_016235.1	100.0
GPRC5C	NM_018653.3	100.0
GPRC5D	NM_018654.1	100.0
GPRC6A	NM_148963.2	100.0
GPRIN1	NM_052899.2	95.9
GPRIN2	NM_014696.3	100.0
GPRIN3	NM_198281.2	100.0
GPS1	NM_212492.1	100.0
GPS2	NM_004489.4	100.0
GPSM1	NM_015597.5	97.1
GPSM2	NM_013296.4	100.0
GPSM3	NM_022107.1	100.0
GPT	NM_005309.2	100.0

GPT2	NM_133443.2	99.9
GPX1	NM_000581.2	99.9
GPX2	NM_002083.3	100.0
GPX3	NM_002084.3	100.0
GPX4	NM_001039848.1	93.7
GPX5	NM_001509.2	100.0
GPX6	NM_182701.1	100.0
GPX7	NM_015696.4	100.0
GPX8	NM_001008397.2	100.0
GRAMD1A	NM_020895.3	100.0
GRAMD1B	NM_020716.1	100.0
GRAMD1C	NM_017577.4	100.0
GRAMD2	NM_001012642.2	100.0
GRAMD3	NM_023927.2	100.0
GRAMD4	NM_015124.3	100.0
GRAP	NM_006613.3	100.0
GRAP2	NM_004810.2	100.0
GRAPL	NM_001129778.1	100.0
GRASP	NM_181711.3	91.5
GRB10	NM_005311.4	100.0
GRB14	NM_004490.2	100.0
GRB2	NM_002086.4	100.0
GRB7	NM_005310.3	100.0
GREB1	NM_014668.3	100.0
GREB1L	NM_001142966.1	100.0
GREM1	NM_013372.6	100.0
GREM2	NM_022469.3	100.0
GRHL1	NM_198182.2	100.0
GRHL2	NM_024915.3	100.0
GRHL3	NM_198174.2	100.0
GRHPR	NM_012203.1	100.0
GRIA1	NM_001114183.1	100.0
GRIA3	NM_000828.4	100.0
GRIA4	NM_000829.3	100.0
GRID1	NM_017551.2	100.0
GRID2	NM_001510.2	100.0
GRID2IP	NM_001145118.1	98.0
GRIK1	NM_000830.3	100.0
GRIK2	NM_021956.4	100.0
GRIK3	NM_000831.3	100.0

GRIK4	NM_014619.2	100.0
GRIK5	NM_002088.4	95.7
GRIN1	NM_007327.3	100.0
GRIN2A	NM_000833.3	100.0
GRIN2B	NM_000834.3	100.0
GRIN2C	NM_000835.4	98.9
GRIN2D	NM_000836.2	84.2
GRIN3A	NM_133445.2	100.0
GRIN3B	NM_138690.1	96.1
GRINA	NM_000837.1	100.0
GRIP1	NM_021150.3	100.0
GRIP2	NM_001080423.2	100.0
GRIPAP1	NM_020137.3	100.0
GRK1	NM_002929.2	100.0
GRK4	NM_182982.2	100.0
GRK5	NM_005308.2	100.0
GRK6	NM_002082.3	100.0
GRK7	NM_139209.2	100.0
GRM1	NM_001278064.1	100.0
GRM2	NM_000839.3	100.0
GRM3	NM_000840.2	100.0
GRM4	NM_000841.2	100.0
GRM5	NM_001143831.2	99.8
GRM6	NM_000843.3	96.2
GRM7	NM_000844.3	100.0
GRN	NM_002087.2	100.0
GRP	NM_002091.3	100.0
GRPEL1	NM_025196.2	100.0
GRPEL2	NM_152407.3	100.0
GRPR	NM_005314.2	100.0
GRSF1	NM_002092.3	96.7
GRTP1	NM_024719.2	99.8
GRWD1	NM_031485.3	100.0
GRXCR1	NM_001080476.2	100.0
GRXCR2	NM_001080516.1	100.0
GSAP	NM_017439.3	100.0
GSC	NM_173849.2	97.1
GSC2	NM_005315.1	87.5
GSDMA	NM_178171.4	100.0
GSDMB	NM_001042471.1	100.0

GSDMC	NM_031415.2	100.0
GSDMD	NM_024736.6	100.0
GSE1	NM_001134473.2	100.0
GSG1	NM_031289.3	100.0
GSG1L	NM_144675.2	100.0
GSG2	NM_031965.2	100.0
GSK3A	NM_019884.2	98.3
GSK3B	NM_002093.3	100.0
GSKIP	NM_016472.4	100.0
GSN	NM_000177.4	99.5
GSPT1	NM_002094.3	97.9
GSR	NM_000637.3	99.0
GSS	NM_000178.2	100.0
GSTA1	NM_145740.3	100.0
GSTA2	NM_000846.4	100.0
GSTA3	NM_000847.4	100.0
GSTA4	NM_001512.3	100.0
GSTA5	NM_153699.1	100.0
GSTCD	NM_024751.3	100.0
GSTK1	NM_015917.2	100.0
GSTM1	NM_000561.3	51.7
GSTM2	NM_000848.3	100.0
GSTM3	NM_000849.4	100.0
GSTM4	NM_000850.4	100.0
GSTM5	NM_000851.3	100.0
GSTO1	NM_004832.2	100.0
GSTO2	NM_183239.1	100.0
GSTP1	NM_000852.3	100.0
GSTT2	NM_000854.3	100.0
GSTT2B	NM_001080843.2	97.9
GSTZ1	NM_145870.2	100.0
GSX1	NM_145657.1	100.0
GSX2	NM_133267.2	98.8
GTDC1	NM_024659.4	100.0
GTDC2	NM_032806.5	100.0
GTF2A1	NM_015859.3	100.0
GTF2A1L	NM_006872.3	100.0
GTF2A2	NM_004492.2	100.0
GTF2B	NM_001514.5	100.0
GTF2E1	NM_005513.2	100.0

GTF2E2	NM_002095.4	100.0
GTF2F1	NM_002096.2	100.0
GTF2F2	NM_004128.2	100.0
GTF2H1	NM_005316.3	100.0
GTF2H2	NM_001515.3	99.4
GTF2H2C	NM_001098728.1	100.0
GTF2H3	NM_001516.4	100.0
GTF2H4	NM_001517.4	100.0
GTF2H5	NM_207118.2	100.0
GTF2IRD1	NM_016328.2	100.0
GTF2IRD2	NM_173537.3	100.0
GTF2IRD2B	NM_001003795.2	100.0
GTF3A	NM_002097.2	100.0
GTF3C1	NM_001520.3	100.0
GTF3C2	NM_001035521.2	100.0
GTF3C3	NM_012086.4	100.0
GTF3C4	NM_012204.2	100.0
GTF3C5	NM_012087.3	100.0
GTF3C6	NM_138408.3	100.0
GTPBP1	NM_004286.4	100.0
GTPBP10	NM_033107.3	100.0
GTPBP2	NM_019096.3	99.9
GTPBP3	NM_133644.3	100.0
GTPBP4	NM_012341.2	100.0
GTPBP6	NM_012227.2	50.0
GTPBP8	NM_014170.2	100.0
GTSE1	NM_016426.6	100.0
GTSF1	NM_144594.2	100.0
GTSF1L	NM_176791.3	100.0
GUCA1A	NM_000409.3	100.0
GUCA1B	NM_002098.5	100.0
GUCA1C	NM_005459.3	100.0
GUCA2A	NM_033553.2	100.0
GUCA2B	NM_007102.2	100.0
GUCD1	NM_031444.2	100.0
GUCY1A2	NM_000855.2	98.0
GUCY1A3	NM_000856.5	100.0
GUCY1B3	NM_000857.2	100.0
GUCY2C	NM_004963.3	100.0
GUCY2D	NM_000180.3	100.0

GUCY2F	NM_001522.2	100.0
GUF1	NM_021927.2	100.0
GUK1	NM_000858.5	100.0
GULP1	NM_016315.3	100.0
GUSB	NM_000181.3	100.0
GXYLT1	NM_173601.1	97.9
GXYLT2	NM_001080393.1	86.8
GYG1	NM_004130.3	100.0
GYG2	NM_003918.2	95.7
GYLTL1B	NM_152312.3	99.6
GYPA	NM_002099.6	100.0
GYPB	NM_002100.4	100.0
GYPC	NM_002101.4	100.0
GYPE	NM_002102.3	100.0
GYS1	NM_002103.4	100.0
GYS2	NM_021957.3	100.0
GZF1	NM_022482.3	100.0
GZMA	NM_006144.3	100.0
GZMB	NM_004131.4	100.0
GZMH	NM_033423.4	100.0
GZMK	NM_002104.2	100.0
GZMM	NM_005317.3	100.0
H1F0	NM_005318.3	100.0
H1FNT	NM_181788.1	100.0
H1FOO	NM_153833.1	99.3
H1FX	NM_006026.3	99.8
H2AFJ	NM_177925.2	100.0
H2AFV	NM_012412.4	100.0
H2AFX	NM_002105.2	100.0
H2AFY	NM_004893.2	100.0
H2AFY2	NM_018649.2	100.0
H2AFZ	NM_002106.3	100.0
H2BFM	NM_001164416.1	100.0
H2BFWT	NM_001002916.4	100.0
H3F3A	NM_002107.4	100.0
H3F3B	NM_005324.3	100.0
H3F3C	NM_001013699.2	100.0
H6PD	NM_004285.3	100.0
HAAO	NM_012205.2	100.0
HABP2	NM_004132.3	100.0

HABP4	NM_014282.2	94.4
HACE1	NM_020771.3	100.0
HACL1	NM_012260.2	100.0
HADH	NM_005327.4	100.0
HADHA	NM_000182.4	100.0
HADHB	NM_000183.2	100.0
HAGH	NM_005326.4	98.0
HAGHL	NM_032304.2	99.7
HAL	NM_002108.3	100.0
HAMP	NM_021175.2	100.0
HAND1	NM_004821.2	100.0
HAND2	NM_021973.2	99.7
HAO1	NM_017545.2	100.0
HAO2	NM_016527.2	100.0
HAP1	NM_177977.2	100.0
HAPLN1	NM_001884.3	100.0
HAPLN2	NM_021817.2	100.0
HAPLN3	NM_178232.2	100.0
HAPLN4	NM_023002.2	100.0
HARBI1	NM_173811.3	100.0
HARS (HARS1)	NM_002109.4	100.0
HARS2	NM_012208.3	100.0
HAS1	NM_001523.2	100.0
HAS2	NM_005328.2	100.0
HAS3	NM_005329.2	100.0
HAT1	NM_003642.3	100.0
HAUS1	NM_138443.3	100.0
HAUS2	NM_018097.2	100.0
HAUS3	NM_024511.5	100.0
HAUS4	NM_017815.2	100.0
HAUS5	NM_015302.1	100.0
HAUS6	NM_001270890.1	100.0
HAUS7	NM_017518.7	100.0
HAUS8	NM_033417.1	100.0
HAVCR1	NM_012206.2	100.0
HAVCR2	NM_032782.4	100.0
HAX1	NM_006118.3	100.0
HBA1	NM_000558.3	100.0
HBA2	NM_000517.4	100.0
HBB	NM_000518.4	100.0

HBD	NM_000519.3	100.0
HBE1	NM_005330.3	100.0
HBEGF	NM_001945.2	100.0
HBG1	NM_000559.2	98.8
HBG2	NM_000184.2	100.0
HBM	NM_001003938.3	100.0
HBP1	NM_012257.3	100.0
HBQ1	NM_005331.4	100.0
HBS1L	NM_006620.3	100.0
HBZ	NM_005332.2	100.0
HCAR1	NM_032554.3	100.0
HCAR2	NM_177551.3	100.0
HCAR3	NM_006018.2	100.0
HCCS	NM_005333.4	100.0
HCFC1	NM_005334.2	100.0
HCFC1R1	NM_017885.2	100.0
HCFC2	NM_013320.2	100.0
HCK	NM_002110.3	100.0
HCLS1	NM_005335.4	100.0
HCN1	NM_021072.3	98.9
HCN2	NM_001194.3	77.2
HCN3	NM_020897.2	100.0
HCN4	NM_005477.2	98.2
HCRT	NM_001524.1	98.0
HCRTR1	NM_001525.2	100.0
HCRTR2	NM_001526.3	100.0
HCST	NM_014266.3	100.0
HDAC1	NM_004964.2	100.0
HDAC10	NM_032019.5	100.0
HDAC11	NM_024827.3	100.0
HDAC2	NM_001527.3	100.0
HDAC3	NM_003883.3	100.0
HDAC4	NM_006037.3	100.0
HDAC5	NM_005474.4	100.0
HDAC6	NM_006044.2	100.0
HDAC7	NM_015401.3	100.0
HDAC8	NM_018486.2	100.0
HDAC9	NM_058176.2	100.0
HDC	NM_002112.3	100.0
HDDC2	NM_016063.2	100.0

HDGF	NM_004494.2	100.0
HDGFL1	NM_138574.2	100.0
HDGFRP2	NM_032631.2	100.0
HDGFRP3	NM_016073.3	100.0
HDHD1	NM_012080.4	100.0
HDHD2	NM_032124.4	100.0
HDHD3	NM_031219.2	100.0
HDLBP	NM_005336.4	100.0
HDX	NM_144657.4	100.0
HEATR1	NM_018072.5	100.0
HEATR2	NM_017802.3	94.3
HEATR3	NM_182922.2	100.0
HEATR4	NM_203309.2	100.0
HEATR5A	NM_015473.3	100.0
HEATR5B	NM_019024.1	100.0
HEATR6	NM_022070.4	100.0
HEBP1	NM_015987.4	100.0
HEBP2	NM_014320.2	100.0
HECA	NM_016217.2	91.9
HECTD1	NM_015382.2	100.0
HECTD2	NM_173497.2	100.0
HECTD3	NM_024602.5	100.0
HECTD4	NM_001109662.3	100.0
HECW1	NM_015052.3	100.0
HECW2	NM_020760.1	100.0
HEG1	NM_020733.1	95.2
HELB	NM_033647.3	100.0
HELLS	NM_018063.3	100.0
HELQ	NM_133636.2	100.0
HELT	NM_001029887.1	100.0
HELZ	NM_014877.3	100.0
HELZ2	NM_033405.3	100.0
HEMGN	NM_018437.4	100.0
HEMK1	NM_016173.3	100.0
HENMT1	NM_144584.2	100.0
HEPACAM	NM_152722.4	99.9
HEPH	NM_014799.2	100.0
HEPHL1	NM_001098672.1	100.0
HEPN1	NM_001037558.2	100.0
HERC1	NM_003922.3	100.0

HERC2	NM_004667.5	100.0
HERC3	NM_014606.2	100.0
HERC4	NM_015601.3	100.0
HERC5	NM_016323.3	100.0
HERC6	NM_017912.3	100.0
HERPUD1	NM_014685.3	100.0
HERPUD2	NM_022373.4	100.0
HES1	NM_005524.3	97.5
HES2	NM_019089.4	99.9
HES3	NM_001024598.3	100.0
HES4	NM_021170.3	94.0
HES5	NM_001010926.3	80.9
HES6	NM_018645.4	99.6
HES7	NM_032580.3	99.8
HESX1	NM_003865.2	100.0
HEXA	NM_000520.4	100.0
HEXB	NM_000521.3	100.0
HEXDC	NM_173620.2	100.0
HEXIM1	NM_006460.2	100.0
HEXIM2	NM_144608.1	100.0
HEY1	NM_012258.3	100.0
HEY2	NM_012259.2	100.0
HEYL	NM_014571.3	100.0
HFE	NM_000410.3	100.0
HFE2	NM_213653.3	100.0
HFM1	NM_001017975.3	100.0
HGC6.3	NM_001129895.2	99.5
HGD	NM_000187.3	100.0
HGF	NM_000601.4	100.0
HGFAC	NM_001528.2	100.0
HGS	NM_004712.4	100.0
HGSNAT	NM_152419.2	97.3
HHAT	NM_018194.4	100.0
HHATL	NM_020707.3	100.0
HHEX	NM_002729.4	99.8
HHIP	NM_022475.2	100.0
HHIPL1	NM_032425.4	99.3
HHIPL2	NM_024746.3	100.0
HHLA1	NM_001145095.1	100.0
HHLA2	NM_007072.2	100.0

HLA3	NM_001031693.2	69.4
HIAT1	NM_033055.2	100.0
HIATL1	NM_032558.2	100.0
HIBADH	NM_152740.3	100.0
HIBCH	NM_014362.3	100.0
HIC1	NM_006497.3	96.1
HIC2	NM_015094.2	100.0
HID1	NM_030630.2	100.0
HIF1A	NM_001530.3	100.0
HIF1AN	NM_017902.2	100.0
HIF3A	NM_022462.4	100.0
HIGD1A	NM_014056.3	100.0
HIGD1B	NM_016438.3	100.0
HIGD1C	NM_001109619.1	100.0
HIGD2A	NM_138820.2	100.0
HILPDA	NM_013332.3	100.0
HINFP	NM_015517.4	100.0
HINT1	NM_005340.6	100.0
HINT2	NM_032593.2	100.0
HINT3	NM_138571.4	100.0
HIP1	NM_005338.6	100.0
HIP1R	NM_003959.1	100.0
HIPK1	NM_152696.3	100.0
HIPK2	NM_022740.4	99.2
HIPK3	NM_005734.4	100.0
HIPK4	NM_144685.3	100.0
HIRA	NM_003325.3	100.0
HIRIP3	NM_003609.4	100.0
HIST1H1A	NM_005325.3	100.0
HIST1H1B	NM_005322.2	99.8
HIST1H1C	NM_005319.3	100.0
HIST1H1D	NM_005320.2	100.0
HIST1H1E	NM_005321.2	100.0
HIST1H1T	NM_005323.3	100.0
HIST1H2AA	NM_170745.3	100.0
HIST1H2AB	NM_003513.2	100.0
HIST1H2AC	NM_003512.3	100.0
HIST1H2AD	NM_021065.3	100.0
HIST1H2AE	NM_021052.2	100.0
HIST1H2AG	NM_021064.4	100.0

HIST1H2AH	NM_080596.2	100.0
HIST1H2AI	NM_003509.2	100.0
HIST1H2AJ	NM_021066.2	100.0
HIST1H2AK	NM_003510.2	100.0
HIST1H2AL	NM_003511.2	100.0
HIST1H2AM	NM_003514.2	100.0
HIST1H2BA	NM_170610.2	100.0
HIST1H2BB	NM_021062.2	100.0
HIST1H2BC	NM_003526.2	100.0
HIST1H2BD	NM_021063.3	100.0
HIST1H2BE	NM_003523.2	100.0
HIST1H2BF	NM_003522.3	100.0
HIST1H2BG	NM_003518.3	100.0
HIST1H2BH	NM_003524.2	100.0
HIST1H2BI	NM_003525.2	100.0
HIST1H2BJ	NM_021058.3	100.0
HIST1H2BK	NM_080593.2	100.0
HIST1H2BL	NM_003519.3	100.0
HIST1H2BM	NM_003521.2	100.0
HIST1H2BN	NM_003520.3	100.0
HIST1H2BO	NM_003527.4	100.0
HIST1H3A	NM_003529.2	100.0
HIST1H3B	NM_003537.3	100.0
HIST1H3C	NM_003531.2	100.0
HIST1H3D	NM_003530.4	100.0
HIST1H3E	NM_003532.2	100.0
HIST1H3F	NM_021018.2	100.0
HIST1H3G	NM_003534.2	99.8
HIST1H3H	NM_003536.2	100.0
HIST1H3I	NM_003533.2	100.0
HIST1H3J	NM_003535.2	100.0
HIST1H4A	NM_003538.3	100.0
HIST1H4B	NM_003544.2	100.0
HIST1H4C	NM_003542.3	100.0
HIST1H4D	NM_003539.3	100.0
HIST1H4E	NM_003545.3	100.0
HIST1H4F	NM_003540.3	100.0
HIST1H4G	NM_003547.2	100.0
HIST1H4H	NM_003543.3	100.0
HIST1H4I	NM_003495.2	100.0

HIST1H4J	NM_021968.3	100.0
HIST1H4K	NM_003541.2	100.0
HIST1H4L	NM_003546.2	100.0
HIST2H2AA3	NM_003516.2	100.0
HIST2H2AA4	NM_001040874.1	100.0
HIST2H2AB	NM_175065.2	100.0
HIST2H2AC	NM_003517.2	100.0
HIST2H2BE	NM_003528.2	100.0
HIST2H2BF	NM_001024599.4	100.0
HIST2H3A	NM_001005464.2	100.0
HIST2H3C	NM_021059.2	100.0
HIST2H4A	NM_003548.2	100.0
HIST2H4B	NM_001034077.4	100.0
HIST3H2A	NM_033445.2	100.0
HIST3H2BB	NM_175055.2	100.0
HIST3H3	NM_003493.2	100.0
HIST4H4	NM_175054.2	100.0
HIVP1	NM_002114.2	100.0
HIVP2	NM_006734.3	100.0
HIVP3	NM_001127714.2	100.0
HJURP	NM_018410.3	100.0
HK1	NM_000188.2	100.0
HK2	NM_000189.4	100.0
HK3	NM_002115.2	100.0
HKDC1	NM_025130.3	100.0
HKR1	NM_181786.2	100.0
HLA-A	NM_002116.7	100.0
HLA-B	NM_005514.6	99.9
HLA-C	NM_002117.5	99.9
HLA-DMA	NM_006120.3	100.0
HLA-DMB	NM_002118.4	100.0
HLA-DOA	NM_002119.3	100.0
HLA-DOB	NM_002120.3	100.0
HLA-DPA1	NM_033554.3	100.0
HLA-DPB1	NM_002121.5	100.0
HLA-DQA1	NM_002122.3	94.8
HLA-DQA2	NM_020056.4	100.0
HLA-DQB1	NM_002123.4	95.9
HLA-DQB2	NM_001198858.1	100.0
HLA-DRA	NM_019111.4	100.0

HLA-DRB1	NM_002124.3	99.7
HLA-DRB5	NM_002125.3	90.5
HLA-E	NM_005516.5	100.0
HLA-F	NM_018950.2	100.0
HLA-G	NM_002127.5	100.0
HLCS	NM_000411.6	100.0
HLF	NM_002126.4	100.0
HLTF	NM_003071.3	100.0
HLX	NM_021958.3	100.0
HM13	NM_030789.2	100.0
HMBOX1	NM_024567.3	100.0
HMBS	NM_000190.3	100.0
HMCN1	NM_031935.2	100.0
HMCN2	XM_001726942.4	99.6
HMG20A	NM_018200.2	100.0
HMG20B	NM_006339.2	100.0
HMGA1	NM_145899.2	100.0
HMGA2	NM_003483.4	100.0
HMGB2	NM_002129.3	100.0
HMGB3	NM_005342.2	100.0
HMGB4	NM_145205.4	100.0
HMGCL	NM_000191.2	100.0
HMGCLL1	NM_019036.2	100.0
HMGCR	NM_000859.2	100.0
HMGCS1	NM_002130.7	100.0
HMGCS2	NM_005518.3	100.0
HMGN1	NM_004965.6	99.8
HMGN2	NM_005517.3	100.0
HMGN3	NM_004242.3	100.0
HMGN4	NM_006353.2	100.0
HMGN5	NM_030763.2	100.0
HMGXB3	NM_014983.2	100.0
HMGXB4	NM_001003681.2	100.0
HMHA1	NM_012292.3	100.0
HMHB1	NM_021182.1	100.0
HMMR	NM_012484.2	100.0
HMOX1	NM_002133.2	100.0
HMOX2	NM_001127206.1	100.0
HMP19	NM_015980.4	100.0
HMSD	NM_001123366.1	100.0

HMX1	NM_018942.2	91.5
HMX2	NM_005519.1	100.0
HMX3	NM_001105574.1	99.0
HN1	NM_016185.2	100.0
HN1L	NM_144570.2	100.0
HNF1A	NM_000545.5	100.0
HNF1B	NM_000458.2	100.0
HNF4A	NM_175914.4	100.0
HNF4G	NM_004133.4	100.0
HNMT	NM_006895.2	100.0
HNRNPA0	NM_006805.3	100.0
HNRNPA1	NM_031157.2	100.0
HNRNPA2B1	NM_031243.2	100.0
HNRNPA3	NM_194247.2	100.0
HNRNPAB	NM_004499.3	99.8
HNRNPC	NM_004500.3	100.0
HNRNPCL1	NM_001013631.1	99.3
HNRNPCP5	NM_001136561.2	100.0
HNRNPD	NM_031369.2	100.0
HNRNPDL	NM_031372.3	100.0
HNRNPF	NM_004966.3	100.0
HNRNPH1	NM_001257293.1	100.0
HNRNPH2	NM_019597.4	100.0
HNRNPH3	NM_012207.2	100.0
HNRNPK	NM_002140.3	100.0
HNRNPL	NM_001533.2	99.0
HNRNPLL	NM_138394.3	100.0
HNRNPM	NM_005968.4	100.0
HNRNPR	NM_005826.3	100.0
HNRNPU	NM_031844.2	100.0
HNRNPUL1	NM_007040.3	100.0
HNRNPUL2	NM_001079559.2	99.9
HOGA1	NM_138413.3	100.0
HOMER1	NM_004272.4	100.0
HOMER2	NM_004839.3	100.0
HOMER3	NM_004838.3	100.0
HOMEZ	NM_020834.2	100.0
HOOK1	NM_015888.4	100.0
HOOK2	NM_013312.2	99.9
HOOK3	NM_032410.3	100.0

HOPX	NM_032495.5	100.0
HORMAD1	NM_032132.4	100.0
HORMAD2	NM_152510.2	100.0
HOXA1	NM_005522.4	100.0
HOXA10	NM_018951.3	99.3
HOXA11	NM_005523.5	99.9
HOXA13	NM_000522.4	78.8
HOXA2	NM_006735.3	100.0
HOXA3	NM_030661.4	100.0
HOXA4	NM_002141.4	90.5
HOXA5	NM_019102.3	100.0
HOXA6	NM_024014.3	100.0
HOXA7	NM_006896.3	100.0
HOXA9	NM_152739.3	100.0
HOXB1	NM_002144.3	100.0
HOXB13	NM_006361.5	100.0
HOXB2	NM_002145.3	100.0
HOXB3	NM_002146.4	98.7
HOXB4	NM_024015.4	95.2
HOXB5	NM_002147.3	100.0
HOXB6	NM_018952.4	100.0
HOXB7	NM_004502.3	100.0
HOXB8	NM_024016.3	100.0
HOXB9	NM_024017.4	99.8
HOXC10	NM_017409.3	100.0
HOXC11	NM_014212.3	100.0
HOXC12	NM_173860.1	97.3
HOXC13	NM_017410.2	99.9
HOXC4	NM_014620.4	100.0
HOXC5	NM_018953.2	100.0
HOXC6	NM_004503.3	100.0
HOXC8	NM_022658.3	100.0
HOXC9	NM_006897.1	100.0
HOXD1	NM_024501.2	98.4
HOXD10	NM_002148.3	100.0
HOXD11	NM_021192.2	81.1
HOXD12	NM_021193.3	100.0
HOXD13	NM_000523.3	95.4
HOXD3	NM_006898.4	100.0
HOXD4	NM_014621.2	100.0

HOXD8	NM_019558.3	95.5
HOXD9	NM_014213.3	99.5
HP	NM_005143.3	99.9
HP1BP3	NM_016287.3	100.0
HPCA	NM_002143.2	100.0
HPCAL1	NM_002149.3	100.0
HPCAL4	NM_016257.2	100.0
HPD	NM_002150.2	100.0
HPDL	NM_032756.2	100.0
HPGD	NM_000860.5	100.0
HPGDS	NM_014485.2	100.0
HPN	NM_002151.2	100.0
HPR	NM_020995.3	100.0
HPRT1	NM_000194.2	100.0
HPS1	NM_000195.3	100.0
HPS3	NM_032383.3	100.0
HPS4	NM_022081.5	100.0
HPS5	NM_181507.1	100.0
HPS6	NM_024747.5	99.9
HPSE	NM_006665.5	100.0
HPSE2	NM_021828.4	100.0
HPX	NM_000613.2	100.0
HR	NM_005144.4	100.0
HRAS	NM_005343.2	100.0
HRASLS	NM_020386.4	97.3
HRASLS2	NM_017878.1	100.0
HRASLS5	NM_054108.3	100.0
HRC	NM_002152.2	100.0
HRCT1	NM_001039792.1	99.9
HRG	NM_000412.2	100.0
HRH1	NM_000861.3	100.0
HRH2	NM_022304.2	100.0
HRH3	NM_007232.2	94.8
HRH4	NM_021624.3	100.0
HRK	NM_003806.2	40.9
HRNR	NM_001009931.2	98.0
HRSP12	NM_005836.2	100.0
HS2ST1	NM_012262.3	100.0
HS3ST1	NM_005114.2	100.0
HS3ST2	NM_006043.1	100.0

HS3ST3A1	NM_006042.1	98.5
HS3ST3B1	NM_006041.1	100.0
HS3ST4	NM_006040.2	95.2
HS3ST5	NM_153612.3	100.0
HS3ST6	NM_001009606.2	93.3
HS6ST1	NM_004807.2	100.0
HS6ST2	NM_147175.3	100.0
HS6ST3	NM_153456.3	99.0
HSBP1	NM_001537.3	100.0
HSBP1L1	NM_001136180.1	100.0
HSCB	NM_172002.3	100.0
HSD11B1	NM_005525.3	100.0
HSD11B1L	NM_198533.2	100.0
HSD11B2	NM_000196.3	87.7
HSD17B1	NM_000413.2	100.0
HSD17B10	NM_004493.2	100.0
HSD17B11	NM_016245.3	100.0
HSD17B12	NM_016142.2	100.0
HSD17B13	NM_178135.3	100.0
HSD17B14	NM_016246.2	100.0
HSD17B2	NM_002153.2	100.0
HSD17B3	NM_000197.1	100.0
HSD17B4	NM_000414.3	100.0
HSD17B6	NM_003725.2	100.0
HSD17B7	NM_016371.2	100.0
HSD17B8	NM_014234.4	100.0
HSD3B1	NM_000862.2	100.0
HSD3B2	NM_000198.3	100.0
HSD3B7	NM_025193.3	100.0
HSDL1	NM_031463.4	100.0
HSDL2	NM_032303.4	100.0
HSF1	NM_005526.2	100.0
HSF2	NM_004506.3	100.0
HSF2BP	NM_007031.1	100.0
HSF4	NM_001538.3	100.0
HSF5	NM_001080439.1	98.7
HSFX1	NM_016153.2	100.0
HSFX2	NM_001164415.1	100.0
HSFY2*	NM_153716.1	100.0
HSH2D	NM_032855.2	99.9

HSP90AA1	NM_001017963.2	100.0
HSP90AB1	NM_007355.3	100.0
HSP90B1	NM_003299.2	100.0
HSPA12A	NM_025015.2	99.9
HSPA12B	NM_052970.4	100.0
HSPA13	NM_006948.4	100.0
HSPA14	NM_016299.3	100.0
HSPA1A	NM_005345.5	100.0
HSPA1B	NM_005346.4	100.0
HSPA1L	NM_005527.3	100.0
HSPA2	NM_021979.3	100.0
HSPA4	NM_002154.3	100.0
HSPA4L	NM_014278.2	100.0
HSPA5	NM_005347.4	100.0
HSPA6	NM_002155.3	100.0
HSPA8	NM_006597.5	100.0
HSPA9	NM_004134.6	100.0
HSPB1	NM_001540.3	100.0
HSPB11	NM_016126.2	100.0
HSPB2	NM_001541.3	100.0
HSPB3	NM_006308.2	100.0
HSPB6	NM_144617.2	100.0
HSPB7	NM_014424.4	100.0
HSPB8	NM_014365.2	100.0
HSPB9	NM_033194.2	100.0
HSPBAP1	NM_024610.5	100.0
HSPBP1	NM_012267.4	100.0
HSPD1	NM_002156.4	100.0
HSPE1	NM_002157.2	100.0
HSPE1-MOB4	NM_001202485.1	100.0
HSPG2	NM_005529.5	99.9
HSPH1	NM_006644.2	100.0
HTATIP2	NM_006410.4	100.0
HTATSF1	NM_001163280.1	100.0
HTN1	NM_002159.2	100.0
HTN3	NM_000200.2	100.0
HTR1A	NM_000524.3	100.0
HTR1B	NM_000863.1	100.0
HTR1D	NM_000864.4	100.0
HTR1E	NM_000865.2	100.0

HTR1F	NM_000866.3	100.0
HTR2A	NM_000621.4	100.0
HTR2B	NM_000867.4	100.0
HTR2C	NM_000868.2	100.0
HTR3A	NM_000869.5	100.0
HTR3B	NM_006028.4	100.0
HTR3C	NM_130770.2	100.0
HTR3D	NM_182537.2	100.0
HTR3E	NM_182589.2	100.0
HTR4	NM_000870.5	100.0
HTR5A	NM_024012.3	100.0
HTR6	NM_000871.1	100.0
HTR7	NM_019859.3	99.9
HTRA1	NM_002775.4	90.3
HTRA2	NM_013247.4	100.0
HTRA3	NM_053044.3	96.5
HTRA4	NM_153692.3	99.9
HTT	NM_002111.6	99.4
HUNK	NM_014586.1	97.7
HUS1	NM_004507.3	100.0
HUS1B	NM_148959.3	100.0
HUWE1	NM_031407.5	100.0
HVCN1	NM_001040107.1	100.0
HYAL1	NM_153281.1	100.0
HYAL2	NM_003773.4	100.0
HYAL3	NM_003549.3	100.0
HYAL4	NM_012269.2	100.0
HYDIN	NM_001270974.1	100.0
HYI	NM_031207.5	99.9
HYKK	NM_001013619.2	100.0
HYLS1	NM_145014.2	100.0
HYOU1	NM_006389.3	100.0
HYPK	NM_016400.3	100.0
IAH1	NM_001039613.1	100.0
IAPP	NM_000415.2	100.0
IARS	NM_002161.5	100.0
IARS2	NM_018060.3	100.0
IBA57	NM_001010867.2	97.7
IBSP	NM_004967.3	100.0
IBTK	NM_015525.2	100.0

ICA1	NM_004968.3	100.0
ICA1L	NM_138468.4	100.0
ICAM1	NM_000201.2	100.0
ICAM2	NM_000873.3	100.0
ICAM3	NM_002162.3	100.0
ICAM4	NM_001544.4	100.0
ICAM5	NM_003259.3	99.0
ICK	NM_016513.4	100.0
ICMT	NM_012405.3	96.2
ICOS	NM_012092.3	100.0
ICOSLG	NM_015259.4	100.0
ICT1	NM_001545.1	100.0
ID1	NM_002165.3	100.0
ID2	NM_002166.4	100.0
ID3	NM_002167.4	100.0
ID4	NM_001546.3	76.9
IDE	NM_004969.3	100.0
IDH1	NM_005896.2	100.0
IDH2	NM_002168.2	99.9
IDH3A	NM_005530.2	100.0
IDH3B	NM_006899.3	100.0
IDH3G	NM_004135.3	100.0
IDI1	NM_004508.2	100.0
IDI2	NM_033261.2	100.0
IDNK	NM_001001551.3	100.0
IDO1	NM_002164.5	100.0
IDO2	NM_194294.2	100.0
IDS	NM_000202.5	100.0
IDUA	NM_000203.3	99.0
IER2	NM_004907.2	100.0
IER3	NM_003897.3	100.0
IER3IP1	NM_016097.4	100.0
IER5	NM_016545.4	93.2
IER5L	NM_203434.2	85.3
IFFO1	NM_080730.4	99.2
IFFO2	NM_001136265.1	95.3
IFI16	NM_005531.2	100.0
IFI27	NM_005532.3	100.0
IFI27L1	NM_145249.2	100.0
IFI27L2	NM_032036.2	100.0

IFI30	NM_006332.4	100.0
IFI35	NM_005533.4	100.0
IFI44	NM_006417.4	100.0
IFI44L	NM_006820.2	100.0
IFI6	NM_002038.3	100.0
IFIH1	NM_022168.3	100.0
IFIT1	NM_001548.4	100.0
IFIT1B	NM_001010987.2	100.0
IFIT2	NM_001547.4	100.0
IFIT3	NM_001549.4	100.0
IFIT5	NM_012420.2	100.0
IFITM1	NM_003641.3	100.0
IFITM10	NM_001170820.3	100.0
IFITM2	NM_006435.2	100.0
IFITM3	NM_021034.2	100.0
IFITM5	NM_001025295.2	100.0
IFLTD1	NM_152590.3	100.0
IFNA1	NM_024013.2	100.0
IFNA13	NM_006900.3	100.0
IFNA14	NM_002172.2	100.0
IFNA16	NM_002173.2	100.0
IFNA2	NM_000605.3	100.0
IFNA21	NM_002175.2	100.0
IFNA5	NM_002169.2	100.0
IFNA6	NM_021002.2	100.0
IFNA7	NM_021057.2	100.0
IFNA8	NM_002170.3	100.0
IFNAR1	NM_000629.2	100.0
IFNAR2	NM_207585.1	100.0
IFNB1	NM_002176.2	100.0
IFNE	NM_176891.4	100.0
IFNG	NM_000619.2	100.0
IFNGR1	NM_000416.2	100.0
IFNGR2	NM_005534.3	99.2
IFNK	NM_020124.2	100.0
IFNL1	NM_172140.1	100.0
IFNL2	NM_172138.1	100.0
IFNL3	NM_172139.2	100.0
IFNLR1	NM_170743.3	100.0
IFNW1	NM_002177.1	100.0

IFRD1	NM_001550.3	100.0
IFRD2	NM_006764.4	100.0
IFT122	NM_052985.3	100.0
IFT140	NM_014714.3	100.0
IFT172	NM_015662.1	100.0
IFT20	NM_174887.3	100.0
IFT27	NM_006860.4	100.0
IFT43	NM_052873.2	100.0
IFT46	NM_020153.3	100.0
IFT52	NM_016004.2	100.0
IFT57	NM_018010.3	100.0
IFT74	NM_025103.2	100.0
IFT80	NM_020800.2	100.0
IFT81	NM_014055.3	100.0
IFT88	NM_006531.3	100.0
IGBP1	NM_001551.2	100.0
IGDCC3	NM_004884.3	99.3
IGDCC4	NM_020962.1	99.4
IGF1	NM_000618.3	100.0
IGF1R	NM_000875.3	100.0
IGF2	NM_000612.4	100.0
IGF2BP1	NM_006546.3	100.0
IGF2BP2	NM_006548.4	100.0
IGF2BP3	NM_006547.2	100.0
IGF2R	NM_000876.2	99.7
IGFALS	NM_004970.2	100.0
IGFBP1	NM_000596.2	100.0
IGFBP2	NM_000597.2	76.7
IGFBP3	NM_001013398.1	94.7
IGFBP4	NM_001552.2	100.0
IGFBP5	NM_000599.3	100.0
IGFBP6	NM_002178.2	100.0
IGFBP7	NM_001553.2	100.0
IGFBPL1	NM_001007563.2	86.0
IGFL1	NM_198541.1	100.0
IGFL2	NM_001002915.2	100.0
IGFL3	NM_207393.1	100.0
IGFL4	NM_001002923.1	100.0
IGFLR1	NM_024660.2	100.0
IGFN1	NM_001164586.1	100.0

IGHMBP2	NM_002180.2	100.0
IGIP	NM_001007189.1	100.0
IGJ	NM_144646.3	100.0
IGLL1	NM_020070.3	100.0
IGLL5	NM_001178126.1	98.4
IGLON5	NM_001101372.1	99.8
IGSF1	NM_001170961.1	100.0
IGSF10	NM_178822.4	100.0
IGSF11	NM_152538.2	100.0
IGSF21	NM_032880.4	100.0
IGSF22	NM_173588.3	100.0
IGSF23	NM_001205280.1	100.0
IGSF3	NM_001542.3	100.0
IGSF5	NM_001080444.1	100.0
IGSF6	NM_005849.3	100.0
IGSF8	NM_052868.4	100.0
IGSF9	NM_020789.3	100.0
IGSF9B	NM_001277285.1	100.0
IHH	NM_002181.3	100.0
IK	NM_006083.3	100.0
IKBIP	NM_153687.3	100.0
IKBKAP	NM_003640.3	100.0
IKBKB	NM_001556.2	100.0
IKBKE	NM_014002.3	100.0
IKBKG	NM_001099857.1	100.0
IKZF1	NM_006060.4	100.0
IKZF2	NM_016260.2	100.0
IKZF3	NM_012481.4	100.0
IKZF4	NM_022465.3	100.0
IKZF5	NM_001271840.1	100.0
IL10	NM_000572.2	100.0
IL10RA	NM_001558.3	100.0
IL10RB	NM_000628.4	100.0
IL11	NM_000641.3	100.0
IL11RA	NM_001142784.2	100.0
IL12A	NM_000882.3	100.0
IL12B	NM_002187.2	100.0
IL12RB1	NM_005535.1	100.0
IL12RB2	NM_001559.2	100.0
IL13	NM_002188.2	100.0

IL13RA1	NM_001560.2	97.6
IL13RA2	NM_000640.2	100.0
IL15	NM_000585.4	100.0
IL15RA	NM_002189.3	99.4
IL16	NM_004513.5	100.0
IL17A	NM_002190.2	100.0
IL17B	NM_014443.2	100.0
IL17C	NM_013278.3	100.0
IL17D	NM_138284.1	95.1
IL17F	NM_052872.3	100.0
IL17RA	NM_014339.6	100.0
IL17RB	NM_018725.3	100.0
IL17RC	NM_032732.5	100.0
IL17RD	NM_017563.3	100.0
IL17RE	NM_153480.1	97.4
IL17REL	NM_001001694.2	100.0
IL18	NM_001562.3	100.0
IL18BP	NM_005699.3	100.0
IL18R1	NM_003855.2	100.0
IL18RAP	NM_003853.2	100.0
IL19	NM_013371.3	100.0
IL1A	NM_000575.3	100.0
IL1B	NM_000576.2	100.0
IL1F10	NM_032556.5	100.0
IL1R1	NM_000877.2	100.0
IL1R2	NM_004633.3	100.0
IL1RAP	NM_002182.3	100.0
IL1RAPL1	NM_014271.3	100.0
IL1RAPL2	NM_017416.1	100.0
IL1RL1	NM_016232.4	100.0
IL1RL2	NM_003854.2	100.0
IL1RN	NM_173841.2	100.0
IL2	NM_000586.3	100.0
IL20	NM_018724.3	100.0
IL20RA	NM_014432.3	97.5
IL20RB	NM_144717.3	100.0
IL21	NM_021803.3	100.0
IL21R	NM_021798.3	100.0
IL22	NM_020525.4	100.0
IL22RA1	NM_021258.3	100.0

IL22RA2	NM_052962.2	100.0
IL23A	NM_016584.2	100.0
IL23R	NM_144701.2	100.0
IL24	NM_006850.3	100.0
IL25	NM_022789.3	100.0
IL26	NM_018402.1	100.0
IL27	NM_145659.3	100.0
IL27RA	NM_004843.3	100.0
IL2RA	NM_000417.2	100.0
IL2RB	NM_000878.3	100.0
IL2RG	NM_000206.2	100.0
IL3	NM_000588.3	100.0
IL31	NM_001014336.1	100.0
IL31RA	NM_139017.5	100.0
IL32	NM_001012631.1	100.0
IL33	NM_033439.3	100.0
IL34	NM_152456.2	100.0
IL36A	NM_014440.1	100.0
IL36B	NM_014438.4	100.0
IL36G	NM_019618.3	100.0
IL36RN	NM_012275.2	100.0
IL37	NM_014439.3	100.0
IL3RA	NM_002183.3	50.0
IL4	NM_000589.3	100.0
IL4I1	NM_152899.1	100.0
IL4R	NM_000418.3	100.0
IL5	NM_000879.2	100.0
IL5RA	NM_000564.4	100.0
IL6	NM_000600.3	100.0
IL6R	NM_000565.3	100.0
IL6ST	NM_002184.3	100.0
IL7	NM_000880.3	100.0
IL7R	NM_002185.3	100.0
IL8	NM_000584.3	100.0
IL9	NM_000590.1	100.0
IL9R	NM_002186.2	50.0
ILDR1	NM_001199799.1	100.0
ILDR2	NM_199351.2	99.9
ILF2	NM_004515.3	100.0
ILF3	NM_004516.3	100.0

ILK	NM_004517.3	100.0
ILKAP	NM_030768.2	100.0
ILVBL	NM_006844.4	100.0
IMMP1L	NM_144981.1	100.0
IMMP2L	NM_032549.3	100.0
IMP3	NM_018285.3	100.0
IMP4	NM_033416.1	100.0
IMPA1	NM_005536.3	100.0
IMPA2	NM_014214.2	100.0
IMPACT	NM_018439.3	100.0
IMPAD1	NM_017813.4	99.8
IMPDH1	NM_000883.3	100.0
IMPDH2	NM_000884.2	100.0
IMPG1	NM_001563.2	100.0
IMPG2	NM_016247.3	100.0
INA	NM_032727.3	98.0
INADL	NM_176877.2	100.0
INCA1	NM_213726.2	100.0
INCENP	NM_020238.2	100.0
INF2	NM_022489.3	100.0
ING1	NM_005537.4	100.0
ING2	NM_001564.2	100.0
ING3	NM_019071.2	100.0
ING4	NM_016162.3	100.0
ING5	NM_032329.4	100.0
INHA	NM_002191.3	100.0
INHBA	NM_002192.2	100.0
INHBB	NM_002193.2	97.4
INHBC	NM_005538.2	100.0
INHBE	NM_031479.3	100.0
INIP	NM_021218.1	100.0
INMT	NM_006774.4	100.0
INO80	NM_017553.1	100.0
INO80B	NM_031288.3	100.0
INO80C	NM_194281.3	100.0
INO80D	NM_017759.4	100.0
INO80E	NM_173618.1	100.0
INPP1	NM_002194.3	100.0
INPP4A	NM_001134224.1	100.0
INPP4B	NM_003866.2	100.0

INPP5A	NM_005539.3	100.0
INPP5B	NM_005540.2	100.0
INPP5D	NM_005541.3	98.9
INPP5E	NM_019892.4	100.0
INPP5F	NM_014937.3	100.0
INPP5J	NM_001002837.1	100.0
INPP5K	NM_016532.3	100.0
INPPL1	NM_001567.3	99.7
INS	NM_000207.2	100.0
INSC	NM_001031853.4	100.0
INSIG1	NM_005542.4	100.0
INSIG2	NM_016133.2	100.0
INS-IGF2	NM_001042376.2	100.0
INSL3	NM_005543.3	100.0
INSL4	NM_002195.1	100.0
INSL5	NM_005478.4	100.0
INSL6	NM_007179.2	100.0
INSM1	NM_002196.2	85.7
INSM2	NM_032594.3	99.9
INSR	NM_000208.2	98.9
INSRR	NM_014215.2	100.0
INTS1	NM_001080453.2	100.0
INTS10	NM_018142.2	100.0
INTS12	NM_020395.3	100.0
INTS2	NM_020748.2	100.0
INTS3	NM_023015.3	100.0
INTS4	NM_033547.3	100.0
INTS5	NM_030628.1	100.0
INTS6	NM_012141.2	100.0
INTS7	NM_015434.3	100.0
INTS8	NM_017864.3	100.0
INTS9	NM_018250.3	100.0
INTU	NM_015693.3	100.0
INVS	NM_014425.3	100.0
IP6K1	NM_153273.3	100.0
IP6K2	NM_016291.3	100.0
IP6K3	NM_054111.4	100.0
IPCEF1	NM_015553.2	100.0
IPMK	NM_152230.4	100.0
IPO11	NM_016338.4	100.0

IPO13	NM_014652.3	100.0
IPO4	NM_024658.3	100.0
IPO5	NM_002271.4	100.0
IPO7	NM_006391.2	100.0
IPO8	NM_006390.3	100.0
IPO9	NM_018085.4	100.0
IPP	NM_005897.2	100.0
IPPK	NM_022755.5	100.0
IQCA1	NM_024726.4	100.0
IQCB1	NM_001023570.2	100.0
IQCC	NM_018134.2	100.0
IQCD	NM_138451.1	100.0
IQCE	NM_152558.3	100.0
IQCF1	NM_152397.2	100.0
IQCF2	NM_203424.1	100.0
IQCF3	NM_001085479.2	100.0
IQCF5	NM_001145059.1	100.0
IQCF6	NM_001143833.3	100.0
IQCG	NM_032263.3	100.0
IQCH	NM_022784.2	100.0
IQCJ	NM_001042705.2	100.0
IQCJ-SCHIP1	NM_001197113.1	100.0
IQCK	NM_153208.1	100.0
IQGAP1	NM_003870.3	100.0
IQGAP2	NM_006633.2	100.0
IQGAP3	NM_178229.4	100.0
IQSEC1	NM_014869.5	100.0
IQSEC2	NM_001111125.2	100.0
IQSEC3	NM_001170738.1	99.9
IQUB	NM_178827.4	100.0
IRAK1	NM_001569.3	99.8
IRAK1BP1	NM_001010844.2	100.0
IRAK2	NM_001570.3	100.0
IRAK3	NM_007199.2	100.0
IRAK4	NM_016123.3	100.0
IREB2	NM_004136.2	100.0
IRF1	NM_002198.2	100.0
IRF2	NM_002199.3	100.0
IRF2BP1	NM_015649.1	99.8
IRF2BP2	NM_182972.2	90.0

IRF2BPL	NM_024496.3	98.2
IRF3	NM_001571.5	100.0
IRF4	NM_002460.3	100.0
IRF5	NM_001098629.1	100.0
IRF6	NM_006147.3	100.0
IRF7	NM_004031.2	100.0
IRF8	NM_002163.2	100.0
IRF9	NM_006084.4	100.0
IRG1	NM_001258406.1	100.0
IRGC	NM_019612.3	100.0
IRGM	NM_001145805.1	100.0
IRGQ	NM_001007561.2	100.0
IRS1	NM_005544.2	100.0
IRS2	NM_003749.2	95.0
IRS4	NM_003604.2	100.0
IRX1	NM_024337.3	96.4
IRX2	NM_033267.4	96.9
IRX3	NM_024336.2	99.5
IRX4	NM_016358.2	99.9
IRX5	NM_005853.5	97.4
IRX6	NM_024335.2	100.0
ISCA1	NM_030940.3	100.0
ISCA2	NM_194279.3	100.0
ISCU	NM_213595.2	99.7
ISG15	NM_005101.3	100.0
ISG20	NM_002201.4	100.0
ISG20L2	NM_030980.1	100.0
ISL1	NM_002202.2	100.0
ISL2	NM_145805.1	95.7
ISLR	NM_005545.3	100.0
ISLR2	NM_020851.2	100.0
ISM1	NM_080826.1	99.8
ISM2	NM_182509.3	100.0
ISOC1	NM_016048.2	100.0
ISOC2	NM_024710.2	100.0
ISPD	NM_001101426.3	99.2
IST1	NM_014761.3	100.0
ISX	NM_001008494.1	100.0
ISY1	NM_020701.3	100.0
ISY1-RAB43	NM_001204890.1	100.0

ISYNA1	NM_016368.4	100.0
ITCH	NM_031483.5	100.0
ITFG1	NM_030790.3	100.0
ITFG2	NM_018463.3	100.0
ITFG3	NM_032039.2	100.0
ITGA1	NM_181501.1	100.0
ITGA10	NM_003637.3	100.0
ITGA11	NM_001004439.1	100.0
ITGA2	NM_002203.3	100.0
ITGA2B	NM_000419.3	100.0
ITGA3	NM_002204.2	100.0
ITGA4	NM_000885.4	100.0
ITGA5	NM_002205.2	100.0
ITGA6	NM_000210.2	100.0
ITGA7	NM_002206.2	100.0
ITGA8	NM_003638.1	100.0
ITGA9	NM_002207.2	99.4
ITGAD	NM_005353.2	100.0
ITGAE	NM_002208.4	100.0
ITGAL	NM_002209.2	100.0
ITGAM	NM_000632.3	100.0
ITGAV	NM_002210.4	100.0
ITGAX	NM_000887.3	100.0
ITGB1	NM_002211.3	100.0
ITGB1BP1	NM_004763.3	100.0
ITGB1BP2	NM_012278.1	100.0
ITGB2	NM_000211.3	100.0
ITGB3	NM_000212.2	99.9
ITGB3BP	NM_014288.4	100.0
ITGB4	NM_001005731.1	100.0
ITGB5	NM_002213.3	100.0
ITGB6	NM_000888.3	100.0
ITGB7	NM_000889.1	100.0
ITGB8	NM_002214.2	100.0
ITGBL1	NM_004791.2	99.7
ITIH1	NM_002215.3	100.0
ITIH2	NM_002216.2	100.0
ITIH3	NM_002217.3	100.0
ITIH4	NM_002218.4	100.0
ITIH5	NM_030569.6	100.0

ITIH6	NM_198510.2	100.0
ITK	NM_005546.3	100.0
ITLN1	NM_017625.2	100.0
ITLN2	NM_080878.2	100.0
ITM2A	NM_004867.4	100.0
ITM2B	NM_021999.4	100.0
ITM2C	NM_030926.4	100.0
ITPA	NM_033453.3	100.0
ITPK1	NM_014216.4	100.0
ITPKA	NM_002220.2	92.1
ITPKB	NM_002221.3	100.0
ITPKC	NM_025194.2	98.6
ITPR1	NM_002222.5	100.0
ITPR2	NM_002223.2	100.0
ITPR3	NM_002224.3	100.0
ITPRIP	NM_033397.3	100.0
ITPRIPL1	NM_178495.5	100.0
ITPRIPL2	NM_001034841.3	100.0
ITSN1	NM_001001132.1	100.0
ITSN2	NM_147152.2	100.0
IVD	NM_002225.3	100.0
IVL	NM_005547.2	100.0
IVNS1ABP	NM_006469.4	100.0
IWS1	NM_017969.2	100.0
IYD	NM_203395.2	100.0
IZUMO1	NM_182575.2	100.0
IZUMO2	NM_152358.2	100.0
IZUMO3	NM_001271706.1	100.0
IZUMO4	NM_001031735.2	100.0
JAG1	NM_000214.2	100.0
JAG2	NM_002226.4	99.6
JAGN1	NM_032492.3	100.0
JAK1	NM_002227.2	100.0
JAK2	NM_004972.3	100.0
JAK3	NM_000215.3	100.0
JAKMIP1	NM_144720.3	100.0
JAKMIP2	NM_014790.4	100.0
JAKMIP3	NM_001105521.2	100.0
JAM2	NM_021219.3	100.0
JAM3	NM_032801.4	100.0

JARID2	NM_004973.3	100.0
JAZF1	NM_175061.3	100.0
JDP2	NM_130469.3	100.0
JHDM1D	NM_030647.1	98.9
JKAMP	NM_016475.3	100.0
JMJD1C	NM_032776.1	100.0
JMJD4	NM_023007.2	100.0
JMJD6	NM_015167.2	100.0
JMJD7	NM_001114632.1	100.0
JMJD7-PLA2G4B	NM_005090.3	100.0
JMJD8	NM_001005920.2	99.7
JMY	NM_152405.4	99.9
JOSD1	NM_014876.5	100.0
JOSD2	NM_138334.3	100.0
JPH1	NM_020647.2	100.0
JPH2	NM_020433.4	98.9
JPH3	NM_020655.3	100.0
JPH4	NM_032452.2	99.6
JRK	NM_003724.3	100.0
JRKL	NM_003772.3	100.0
JSRP1	NM_144616.3	99.9
JTB	NM_006694.3	100.0
JUN	NM_002228.3	100.0
JUNB	NM_002229.2	100.0
JUND	NM_005354.4	81.0
JUP	NM_002230.2	100.0
KAAG1	NM_181337.3	100.0
KAL1 (ANOS1)	NM_000216.2	98.1
KALRN	NM_007064.3	100.0
KANK1	NM_015158.3	100.0
KANK2	NM_001136191.2	100.0
KANK3	NM_198471.2	92.2
KANK4	NM_181712.4	100.0
KANSL1	NM_001193466.1	100.0
KANSL1L	NM_152519.2	100.0
KANSL2	NM_017822.3	100.0
KANSL3	NM_001115016.2	100.0
KARS (KARS1)	NM_001130089.1	100.0
KAT2A	NM_021078.2	100.0
KAT2B	NM_003884.4	95.0

KAT5	NM_006388.3	100.0
KAT6A	NM_006766.3	100.0
KAT6B	NM_012330.3	100.0
KAT7	NM_007067.4	100.0
KAT8	NM_032188.2	100.0
KATNA1	NM_007044.3	100.0
KATNAL1	NM_032116.4	100.0
KATNAL2	NM_031303.2	100.0
KATNB1	NM_005886.2	100.0
KATNBL1	NM_024713.2	100.0
KAZALD1	NM_030929.4	100.0
KAZN	NM_015209.2	100.0
KBTBD11	NM_014867.2	84.1
KBTBD12	NM_207335.2	100.0
KBTBD13	NM_001101362.2	99.8
KBTBD2	NM_015483.2	100.0
KBTBD3	NM_152433.3	100.0
KBTBD4	NM_016506.5	100.0
KBTBD6	NM_152903.4	100.0
KBTBD7	NM_032138.4	100.0
KBTBD8	NM_032505.2	100.0
KCMF1	NM_020122.4	100.0
KCNA1	NM_000217.2	100.0
KCNA10	NM_005549.2	100.0
KCNA2	NM_004974.3	100.0
KCNA3	NM_002232.3	99.8
KCNA4	NM_002233.3	100.0
KCNA5	NM_002234.3	100.0
KCNA6	NM_002235.3	100.0
KCNA7	NM_031886.2	98.9
KCNAB1	NM_003471.3	100.0
KCNAB2	NM_003636.3	100.0
KCNAB3	NM_004732.3	100.0
KCNB1	NM_004975.2	100.0
KCNB2	NM_004770.2	100.0
KCNC1	NM_001112741.1	100.0
KCNC2	NM_139137.3	99.9
KCNC3	NM_004977.2	87.0
KCNC4	NM_004978.4	100.0
KCND1	NM_004979.4	100.0

KCND2	NM_012281.2	100.0
KCND3	NM_004980.4	100.0
KCNE1	NM_000219.4	100.0
KCNE1L	NM_012282.2	99.6
KCNE2	NM_172201.1	100.0
KCNE3	NM_005472.4	100.0
KCNE4	NM_080671.3	100.0
KCNF1	NM_002236.4	100.0
KCNG1	NM_002237.3	100.0
KCNG2	NM_012283.1	94.5
KCNG3	NM_133329.5	99.9
KCNG4	NM_172347.2	100.0
KCNH1	NM_172362.2	100.0
KCNH2	NM_000238.3	99.6
KCNH3	NM_012284.1	100.0
KCNH4	NM_012285.2	100.0
KCNH5	NM_139318.4	100.0
KCNH6	NM_030779.3	100.0
KCNH7	NM_033272.3	100.0
KCNH8	NM_144633.2	100.0
KCNIP1	NM_001034837.2	100.0
KCNIP2	NM_014591.4	100.0
KCNIP3	NM_013434.4	100.0
KCNIP4	NM_025221.5	100.0
KCNJ1	NM_000220.4	100.0
KCNJ10	NM_002241.4	100.0
KCNJ11	NM_000525.3	100.0
KCNJ12	NM_021012.4	100.0
KCNJ13	NM_002242.4	100.0
KCNJ14	NM_013348.3	100.0
KCNJ15	NM_170736.2	100.0
KCNJ16	NM_018658.2	100.0
KCNJ2	NM_000891.2	100.0
KCNJ3	NM_002239.3	100.0
KCNJ4	NM_004981.1	100.0
KCNJ5	NM_000890.3	100.0
KCNJ6	NM_002240.3	100.0
KCNJ8	NM_004982.3	100.0
KCNJ9	NM_004983.2	100.0
KCNK1	NM_002245.3	100.0

KCNK10	NM_021161.4	100.0
KCNK12	NM_022055.1	95.7
KCNK13	NM_022054.3	100.0
KCNK15	NM_022358.3	100.0
KCNK16	NM_032115.3	100.0
KCNK17	NM_031460.3	100.0
KCNK18	NM_181840.1	100.0
KCNK2	NM_014217.3	100.0
KCNK3	NM_002246.2	99.9
KCNK4	NM_033310.2	100.0
KCNK5	NM_003740.3	100.0
KCNK6	NM_004823.1	100.0
KCNK7	NM_005714.1	100.0
KCNK9	NM_016601.2	100.0
KCNMA1	NM_002247.3	100.0
KCNMB1	NM_004137.3	100.0
KCNMB2	NM_005832.4	100.0
KCNMB3	NM_171830.1	100.0
KCNMB4	NM_014505.5	100.0
KCNN1	NM_002248.4	100.0
KCNN2	NM_021614.3	100.0
KCNN3	NM_002249.5	100.0
KCNN4	NM_002250.2	100.0
KCNQ1	NM_000218.2	98.8
KCNQ2	NM_172107.2	100.0
KCNQ3	NM_004519.3	98.0
KCNQ4	NM_004700.3	96.1
KCNQ5	NM_001160133.1	99.7
KCNRG	NM_173605.1	100.0
KCNS1	NM_002251.3	99.5
KCNS2	NM_020697.2	100.0
KCNS3	NM_002252.3	100.0
KCNT1	NM_020822.2	100.0
KCNT2	NM_198503.2	100.0
KCNU1	NM_001031836.2	100.0
KCNV1	NM_014379.2	100.0
KCNV2	NM_133497.3	100.0
KCP	NM_199349.2	99.5
KCTD1	NM_001258221.1	100.0
KCTD10	NM_031954.3	100.0

KCTD11	NM_001002914.2	100.0
KCTD12	NM_138444.3	99.8
KCTD13	NM_178863.3	99.8
KCTD14	NM_023930.3	100.0
KCTD15	NM_024076.2	100.0
KCTD16	NM_020768.3	100.0
KCTD17	NM_024681.2	95.2
KCTD18	NM_152387.2	100.0
KCTD19	NM_001100915.1	100.0
KCTD2	NM_015353.1	94.2
KCTD20	NM_173562.3	100.0
KCTD21	NM_001029859.1	100.0
KCTD3	NM_016121.3	100.0
KCTD4	NM_198404.2	100.0
KCTD5	NM_018992.3	100.0
KCTD6	NM_001128214.1	100.0
KCTD7	NM_153033.4	100.0
KCTD8	NM_198353.2	100.0
KCTD9	NM_017634.3	100.0
KDELC1	NM_024089.2	100.0
KDELC2	NM_153705.4	99.1
KDELR1	NM_006801.2	100.0
KDELR2	NM_006854.3	100.0
KDELR3	NM_006855.3	100.0
KDM1A	NM_001009999.2	100.0
KDM1B	NM_153042.3	100.0
KDM2A	NM_012308.2	100.0
KDM2B	NM_032590.4	100.0
KDM3A	NM_018433.5	100.0
KDM3B	NM_016604.3	99.6
KDM4A	NM_014663.2	100.0
KDM4B	NM_015015.2	100.0
KDM4C	NM_015061.3	100.0
KDM4D	NM_018039.2	100.0
KDM4E	NM_001161630.1	100.0
KDM5A	NM_001042603.1	100.0
KDM5B	NM_006618.3	100.0
KDM5C	NM_004187.3	100.0
KDM5D*	NM_004653.4	100.0
KDM6A	NM_021140.2	99.8

KDM6B	NM_001080424.1	100.0
KDM8	NM_024773.2	100.0
KDR	NM_002253.2	100.0
KDSR	NM_002035.2	100.0
KEAP1	NM_203500.1	100.0
KEL	NM_000420.2	100.0
KERA	NM_007035.3	100.0
KHDC1	NM_030568.3	100.0
KHDC1L	NM_001126063.2	100.0
KHDC3L	NM_001017361.2	100.0
KHDRBS1	NM_006559.2	99.5
KHDRBS2	NM_152688.2	100.0
KHDRBS3	NM_006558.1	100.0
KHK	NM_000221.2	100.0
KHNYN	NM_015299.2	100.0
KHSRP	NM_003685.2	93.5
KIAA0020	NM_014878.4	100.0
KIAA0040	NM_014656.2	100.0
KIAA0100	NM_014680.3	100.0
KIAA0101	NM_014736.4	100.0
KIAA0141	NM_014773.3	100.0
KIAA0195	NM_014738.4	100.0
KIAA0196	NM_014846.3	100.0
KIAA0226	NM_001145642.2	100.0
KIAA0226L	NM_025113.2	100.0
KIAA0232	NM_014743.2	100.0
KIAA0247	NM_014734.3	100.0
KIAA0319	NM_014809.3	100.0
KIAA0319L	NM_024874.4	100.0
KIAA0355	NM_014686.3	100.0
KIAA0368	NM_001080398.1	98.5
KIAA0391	NM_014672.3	100.0
KIAA0408	NM_014702.4	100.0
KIAA0430	NM_001184998.1	100.0
KIAA0513	NM_014732.2	100.0
KIAA0556	NM_015202.2	100.0
KIAA0586	NM_014749.3	100.0
KIAA0753	NM_014804.2	100.0
KIAA0754	NM_015038.1	100.0
KIAA0825	NM_173665.2	100.0

KIAA0895	NM_015314.2	100.0
KIAA0895L	NM_001040715.1	100.0
KIAA0907	NM_014949.2	100.0
KIAA0922	NM_015196.3	100.0
KIAA0930	NM_015264.1	100.0
KIAA0947	NM_015325.2	100.0
KIAA1009	NM_014895.2	100.0
KIAA1024	NM_015206.2	100.0
KIAA1024L	NM_001257308.1	100.0
KIAA1033	NM_015275.1	100.0
KIAA1045	NM_015297.1	100.0
KIAA1107	NM_015237.2	100.0
KIAA1109	NM_015312.3	100.0
KIAA1143	NM_020696.3	100.0
KIAA1147	NM_001080392.1	91.5
KIAA1161	NM_020702.3	100.0
KIAA1191	NM_020444.3	100.0
KIAA1199	NM_018689.1	100.0
KIAA1210	NM_020721.1	100.0
KIAA1211	NM_020722.1	100.0
KIAA1211L	NM_207362.2	99.2
KIAA1217	NM_019590.3	100.0
KIAA1239	NM_001144990.1	100.0
KIAA1244	NM_020340.4	100.0
KIAA1257	NM_020741.2	100.0
KIAA1279	NM_015634.3	100.0
KIAA1324	NM_020775.4	100.0
KIAA1324L	NM_152748.3	100.0
KIAA1328	NM_020776.1	100.0
KIAA1377	NM_020802.2	100.0
KIAA1407	NM_020817.1	100.0
KIAA1429	NM_015496.4	100.0
KIAA1430	NM_020827.1	100.0
KIAA1432	NM_001135920.2	100.0
KIAA1456	NM_020844.2	100.0
KIAA1462	NM_020848.2	100.0
KIAA1467	NM_020853.1	100.0
KIAA1468	NM_020854.3	100.0
KIAA1522	NM_020888.2	98.9
KIAA1524	NM_020890.2	100.0

KIAA1549	NM_001164665.1	98.2
KIAA1549L	NM_012194.2	100.0
KIAA1551	NM_018169.3	100.0
KIAA1586	NM_020931.2	100.0
KIAA1598	NM_018330.6	100.0
KIAA1614	NM_020950.1	100.0
KIAA1644	NM_001099294.1	100.0
KIAA1671	NM_001145206.1	99.5
KIAA1683	NM_025249.3	100.0
KIAA1704	NM_018559.2	100.0
KIAA1715	NM_030650.1	100.0
KIAA1731	NM_033395.1	100.0
KIAA1737	NM_033426.2	100.0
KIAA1751	NM_001080484.1	99.7
KIAA1755	NM_001029864.1	100.0
KIAA1804	NM_032435.2	99.3
KIAA1841	NM_032506.2	100.0
KIAA1919	NM_153369.2	100.0
KIAA1958	NM_133465.2	100.0
KIAA1967	NM_021174.5	100.0
KIAA1984	NM_001039374.4	100.0
KIAA2013	NM_138346.2	99.0
KIAA2018	NM_001009899.2	100.0
KIAA2022	NM_001008537.2	100.0
KIAA2026	NM_001017969.2	100.0
KIDINS220	NM_020738.2	100.0
KIF11	NM_004523.3	100.0
KIF12	NM_138424.1	100.0
KIF13A	NM_022113.5	100.0
KIF13B	NM_015254.3	100.0
KIF14	NM_014875.2	100.0
KIF15	NM_020242.2	100.0
KIF16B	NM_024704.4	100.0
KIF17	NM_020816.2	100.0
KIF18A	NM_031217.3	100.0
KIF18B	NM_001264573.1	100.0
KIF19	NM_153209.3	99.8
KIF1A	NM_004321.6	100.0
KIF1B	NM_015074.3	100.0
KIF1C	NM_006612.5	100.0

KIF20A	NM_005733.2	100.0
KIF20B	NM_016195.2	100.0
KIF21A	NM_017641.3	100.0
KIF21B	NM_017596.3	100.0
KIF22	NM_007317.2	100.0
KIF23	NM_138555.3	100.0
KIF24	NM_194313.2	100.0
KIF25	NM_005355.3	100.0
KIF26A	NM_015656.1	99.8
KIF26B	NM_018012.3	99.9
KIF27	NM_017576.2	100.0
KIF2A	NM_001098511.2	100.0
KIF2B	NM_032559.4	100.0
KIF2C	NM_006845.3	100.0
KIF3A	NM_007054.5	100.0
KIF3B	NM_004798.3	100.0
KIF3C	NM_002254.6	100.0
KIF4A	NM_012310.4	100.0
KIF4B	NM_001099293.1	100.0
KIF5A	NM_004984.2	100.0
KIF5B	NM_004521.2	100.0
KIF5C	NM_004522.2	100.0
KIF6	NM_145027.4	100.0
KIF7	NM_198525.2	97.3
KIF9	NM_022342.4	100.0
KIFAP3	NM_014970.3	100.0
KIFC1	NM_002263.3	100.0
KIFC2	NM_145754.2	100.0
KIFC3	NM_005550.3	100.0
KIN	NM_012311.3	100.0
KIR2DL1	NM_014218.2	43.2
KIR2DL4	NM_002255.5	97.4
KIR2DS4	NM_012314.3	32.4
KIR3DL1	NM_013289.2	65.9
KIR3DL2	NM_006737.3	55.1
KIR3DL3	NM_153443.3	79.5
KIRREL	NM_018240.5	100.0
KIRREL2	NM_032123.5	100.0
KIRREL3	NM_032531.3	100.0
KISS1	NM_002256.3	100.0

KISS1R	NM_032551.4	99.3
KIT	NM_000222.2	100.0
KITLG	NM_000899.4	100.0
KL	NM_004795.3	97.1
KLB	NM_175737.3	100.0
KLC1	NM_005552.4	100.0
KLC2	NM_022822.2	100.0
KLC3	NM_177417.2	100.0
KLC4	NM_138343.2	100.0
KLF1	NM_006563.3	100.0
KLF10	NM_005655.3	100.0
KLF11	NM_003597.4	100.0
KLF12	NM_007249.4	100.0
KLF13	NM_015995.2	82.9
KLF14	NM_138693.3	99.4
KLF15	NM_014079.3	100.0
KLF16	NM_031918.3	81.9
KLF17	NM_173484.3	100.0
KLF2	NM_016270.2	77.8
KLF3	NM_016531.5	100.0
KLF4	NM_004235.4	100.0
KLF5	NM_001730.3	94.4
KLF6	NM_001300.5	100.0
KLF7	NM_003709.3	100.0
KLF9	NM_001206.2	100.0
KLHDC1	NM_172193.2	100.0
KLHDC10	NM_014997.3	100.0
KLHDC2	NM_014315.2	100.0
KLHDC3	NM_057161.3	100.0
KLHDC4	NM_017566.3	100.0
KLHDC7A	NM_152375.2	100.0
KLHDC7B	NM_138433.3	100.0
KLHDC8A	NM_018203.2	100.0
KLHDC8B	NM_173546.2	100.0
KLHDC9	NM_152366.4	100.0
KLHL1	NM_020866.2	100.0
KLHL10	NM_152467.3	100.0
KLHL11	NM_018143.1	99.9
KLHL12	NM_021633.2	100.0
KLHL13	NM_033495.3	100.0

KLHL14	NM_020805.1	100.0
KLHL15	NM_030624.2	100.0
KLHL17	NM_198317.2	97.9
KLHL18	NM_025010.4	100.0
KLHL2	NM_007246.3	100.0
KLHL20	NM_014458.3	100.0
KLHL21	NM_014851.2	96.1
KLHL22	NM_032775.3	100.0
KLHL23	NM_144711.5	100.0
KLHL24	NM_017644.3	100.0
KLHL25	NM_022480.3	100.0
KLHL26	NM_018316.1	100.0
KLHL28	NM_017658.3	100.0
KLHL29	NM_052920.1	100.0
KLHL3	NM_017415.2	100.0
KLHL30	NM_198582.3	100.0
KLHL31	NM_001003760.4	100.0
KLHL32	NM_052904.3	100.0
KLHL33	NM_001109997.2	100.0
KLHL34	NM_153270.1	100.0
KLHL35	NM_001039548.2	86.3
KLHL36	NM_024731.2	100.0
KLHL38	NM_001081675.2	100.0
KLHL4	NM_019117.4	100.0
KLHL40	NM_152393.3	100.0
KLHL41	NM_006063.2	100.0
KLHL42	NM_020782.1	100.0
KLHL5	NM_015990.4	100.0
KLHL6	NM_130446.2	100.0
KLHL7	NM_001031710.2	100.0
KLHL8	NM_020803.3	100.0
KLHL9	NM_018847.2	100.0
KLK1	NM_002257.3	100.0
KLK10	NM_002776.4	100.0
KLK11	NM_006853.2	100.0
KLK12	NM_145894.1	100.0
KLK13	NM_015596.1	100.0
KLK14	NM_022046.4	100.0
KLK15	NM_017509.3	100.0
KLK2	NM_005551.4	100.0

KLK3	NM_001648.2	100.0
KLK4	NM_004917.3	100.0
KLK5	NM_012427.4	100.0
KLK6	NM_002774.3	100.0
KLK7	NM_005046.3	100.0
KLK8	NM_007196.3	100.0
KLK9	NM_012315.1	100.0
KLKB1	NM_000892.3	100.0
KLLN	NM_001126049.1	100.0
KLRB1	NM_002258.2	100.0
KLRC1	NM_002259.4	100.0
KLRC2	NM_002260.3	99.5
KLRC3	NM_002261.2	93.1
KLRC4	NM_013431.2	100.0
KLRC4-KLRK1	NM_001199805.1	100.0
KLRD1	NM_002262.3	100.0
KLRF1	NM_016523.1	99.7
KLRF2	NM_001190765.1	100.0
KLRG1	NM_005810.3	100.0
KLRG2	NM_198508.2	99.5
KLRK1	NM_007360.3	100.0
KMO	NM_003679.4	100.0
KMT2A	NM_001197104.1	99.4
KMT2B (MLL2)	NM_014727.1	98.7
KMT2C	NM_170606.2	100.0
KMT2D	NM_003482.3	100.0
KMT2E	NM_182931.2	100.0
KNCN	NM_001097611.1	100.0
KNDC1	NM_152643.6	100.0
KNG1	NM_001102416.2	100.0
KNOP1	NM_001012991.2	100.0
KNSTRN	NM_033286.3	100.0
KNTC1	NM_014708.4	100.0
KPNA1	NM_002264.3	100.0
KPNA2	NM_002266.2	100.0
KPNA3	NM_002267.3	100.0
KPNA4	NM_002268.4	100.0
KPNA5	NM_002269.2	100.0
KPNA6	NM_012316.4	100.0
KPNA7	NM_001145715.1	100.0

KPNB1	NM_002265.5	100.0
KPRP	NM_001025231.1	100.0
KPTN	NM_007059.2	100.0
KRAS	NM_004985.3	100.0
KRBA1	NM_032534.2	100.0
KRBA2	NM_213597.2	100.0
KRBOX1	NM_001205272.1	100.0
KRBOX4	NM_017776.2	100.0
KRCC1	NM_016618.1	100.0
KREMEN1	NM_032045.4	95.7
KREMEN2	NM_024507.3	96.6
KRI1	NM_023008.3	100.0
KRIT1	NM_194456.1	100.0
KRR1	NM_007043.6	100.0
KRT1	NM_006121.3	100.0
KRT10	NM_000421.3	98.2
KRT12	NM_000223.3	100.0
KRT13	NM_002274.3	100.0
KRT14	NM_000526.4	100.0
KRT15	NM_002275.3	100.0
KRT16	NM_005557.3	100.0
KRT17	NM_000422.2	100.0
KRT18	NM_000224.2	100.0
KRT19	NM_002276.4	100.0
KRT2	NM_000423.2	100.0
KRT20	NM_019010.2	100.0
KRT222	NM_152349.2	100.0
KRT23	NM_015515.3	100.0
KRT24	NM_019016.2	100.0
KRT25	NM_181534.3	100.0
KRT26	NM_181539.4	100.0
KRT27	NM_181537.3	100.0
KRT28	NM_181535.3	100.0
KRT3	NM_057088.2	100.0
KRT31	NM_002277.2	100.0
KRT32	NM_002278.3	100.0
KRT33A	NM_004138.3	100.0
KRT33B	NM_002279.4	100.0
KRT34	NM_021013.3	100.0
KRT35	NM_002280.4	100.0

KRT36	NM_003771.4	100.0
KRT37	NM_003770.4	100.0
KRT38	NM_006771.3	100.0
KRT39	NM_213656.3	100.0
KRT4	NM_002272.3	100.0
KRT40	NM_182497.3	100.0
KRT5	NM_000424.3	100.0
KRT6A	NM_005554.3	100.0
KRT6B	NM_005555.3	100.0
KRT6C	NM_173086.4	99.9
KRT7	NM_005556.3	99.9
KRT71	NM_033448.2	100.0
KRT72	NM_080747.2	100.0
KRT73	NM_175068.2	100.0
KRT74	NM_175053.3	100.0
KRT75	NM_004693.2	100.0
KRT76	NM_015848.4	100.0
KRT77	NM_175078.2	100.0
KRT78	NM_173352.2	100.0
KRT79	NM_175834.2	100.0
KRT8	NM_002273.3	100.0
KRT80	NM_182507.2	100.0
KRT81	NM_002281.3	100.0
KRT82	NM_033033.3	100.0
KRT83	NM_002282.3	100.0
KRT84	NM_033045.3	100.0
KRT85	NM_002283.3	100.0
KRT86	NM_002284.3	100.0
KRT9	NM_000226.3	100.0
KRTAP10-1	NM_198691.2	100.0
KRTAP10-10	NM_181688.1	100.0
KRTAP10-11	NM_198692.2	100.0
KRTAP10-12	NM_198699.1	100.0
KRTAP10-2	NM_198693.2	100.0
KRTAP10-3	NM_198696.2	100.0
KRTAP10-4	NM_198687.1	100.0
KRTAP10-5	NM_198694.2	100.0
KRTAP10-6	NM_198688.2	100.0
KRTAP10-7	NM_198689.2	100.0
KRTAP10-8	NM_198695.2	100.0

KRTAP10-9	NM_198690.2	100.0
KRTAP1-1	NM_030967.2	100.0
KRTAP11-1	NM_175858.2	100.0
KRTAP12-1	NM_181686.1	100.0
KRTAP12-2	NM_181684.2	100.0
KRTAP12-3	NM_198697.2	100.0
KRTAP12-4	NM_198698.1	100.0
KRTAP1-3	NM_030966.1	100.0
KRTAP13-1	NM_181599.2	100.0
KRTAP13-2	NM_181621.3	100.0
KRTAP13-3	NM_181622.1	100.0
KRTAP13-4	NM_181600.1	100.0
KRTAP1-4	NM_001257305.1	100.0
KRTAP1-5	NM_031957.1	100.0
KRTAP15-1	NM_181623.1	100.0
KRTAP16-1	NM_001146182.1	100.0
KRTAP17-1	NM_031964.1	100.0
KRTAP19-1	NM_181607.1	100.0
KRTAP19-2	NM_181608.1	100.0
KRTAP19-3	NM_181609.3	100.0
KRTAP19-4	NM_181610.1	100.0
KRTAP19-5	NM_181611.1	100.0
KRTAP19-6	NM_181612.2	99.7
KRTAP19-7	NM_181614.1	100.0
KRTAP19-8	NM_001099219.1	100.0
KRTAP20-1	NM_181615.1	100.0
KRTAP20-2	NM_181616.1	100.0
KRTAP20-3	NM_001128077.1	100.0
KRTAP21-1	NM_181619.1	100.0
KRTAP21-2	NM_181617.1	100.0
KRTAP21-3	NM_001164435.1	100.0
KRTAP22-1	NM_181620.1	100.0
KRTAP22-2	NM_001164434.1	100.0
KRTAP2-3	NM_001165252.1	100.0
KRTAP23-1	NM_181624.1	100.0
KRTAP2-4	NM_033184.3	100.0
KRTAP24-1	NM_001085455.1	100.0
KRTAP25-1	NM_001128598.1	100.0
KRTAP26-1	NM_203405.1	100.0
KRTAP27-1	NM_001077711.1	100.0

KRTAP29-1	NM_001257309.1	100.0
KRTAP3-1	NM_031958.1	100.0
KRTAP3-2	NM_031959.2	100.0
KRTAP3-3	NM_033185.2	100.0
KRTAP4-1	NM_033060.2	100.0
KRTAP4-11	NM_033059.3	100.0
KRTAP4-2	NM_033062.3	100.0
KRTAP4-3	NM_033187.1	100.0
KRTAP4-4	NM_032524.1	100.0
KRTAP4-5	NM_033188.3	100.0
KRTAP4-6	NM_030976.1	100.0
KRTAP4-7	NM_033061.3	100.0
KRTAP4-8	NM_031960.2	100.0
KRTAP4-9	NM_001146041.1	100.0
KRTAP5-1	NM_001005922.1	100.0
KRTAP5-10	NM_001012710.1	100.0
KRTAP5-11	NM_001005405.2	100.0
KRTAP5-2	NM_001004325.1	100.0
KRTAP5-3	NM_001012708.2	100.0
KRTAP5-5	NM_001001480.2	100.0
KRTAP5-6	NM_001012416.1	100.0
KRTAP5-7	NM_001012503.1	100.0
KRTAP5-8	NM_021046.2	100.0
KRTAP5-9	NM_005553.3	100.0
KRTAP6-1	NM_181602.1	100.0
KRTAP6-2	NM_181604.1	100.0
KRTAP6-3	NM_181605.3	100.0
KRTAP7-1	NM_181606.2	99.8
KRTAP8-1	NM_175857.3	100.0
KRTAP9-1	NM_001190460.1	100.0
KRTAP9-3	NM_031962.2	100.0
KRTAP9-4	NM_033191.2	100.0
KRTAP9-6	NM_001277331.1	83.6
KRTAP9-7	NM_001277332.1	97.3
KRTAP9-9	NM_030975.2	100.0
KRTCAP2	NM_173852.3	100.0
KRTCAP3	NM_173853.3	100.0
KRTDAP	NM_207392.2	100.0
KSR1	NM_014238.1	100.0
KSR2	NM_173598.4	100.0

KTI12	NM_138417.2	100.0
KTN1	NM_004986.3	100.0
KXD1	NM_024069.3	100.0
KY	NM_178554.4	100.0
KYNU	NM_003937.2	100.0
L1CAM	NM_000425.4	100.0
L1TD1	NM_019079.4	100.0
L2HGDH	NM_024884.2	100.0
L3HYPDH	NM_144581.1	100.0
L3MBTL1	NM_032107.4	100.0
L3MBTL2	NM_031488.4	100.0
L3MBTL3	NM_032438.2	100.0
L3MBTL4	NM_173464.3	100.0
LACC1	NM_001128303.1	100.0
LACE1	NM_145315.3	100.0
LACRT	NM_033277.1	100.0
LACTB	NM_032857.3	99.7
LACTB2	NM_016027.2	100.0
LACTBL1	XM_003846221.1	90.9
LAD1	NM_005558.3	100.0
LAG3	NM_002286.5	99.7
LAGE3	NM_006014.3	100.0
LAIR1	NM_002287.3	100.0
LAIR2	NM_002288.4	100.0
LALBA	NM_002289.2	100.0
LAMA1	NM_005559.3	100.0
LAMA2	NM_000426.3	100.0
LAMA3	NM_000227.3	100.0
LAMA4	NM_002290.4	100.0
LAMA5	NM_005560.4	99.5
LAMB1	NM_002291.2	100.0
LAMB2	NM_002292.3	100.0
LAMB3	NM_000228.2	100.0
LAMB4	NM_007356.2	100.0
LAMC1	NM_002293.3	99.3
LAMC2	NM_005562.2	100.0
LAMC3	NM_006059.3	98.6
LAMP1	NM_005561.3	100.0
LAMP2	NM_002294.2	100.0
LAMP3	NM_014398.3	100.0

LAMP5	NM_012261.3	100.0
LAMTOR1	NM_017907.2	100.0
LAMTOR2	NM_014017.3	100.0
LAMTOR3	NM_021970.3	100.0
LAMTOR4	NM_001008395.2	100.0
LAMTOR5	NM_006402.2	100.0
LANCL1	NM_006055.2	100.0
LANCL2	NM_018697.3	100.0
LANCL3	NM_198511.2	100.0
LAP3	NM_015907.2	100.0
LAPTM4A	NM_014713.4	100.0
LAPTM4B	NM_018407.4	99.7
LAPTM5	NM_006762.2	100.0
LARGE	NM_004737.4	100.0
LARP1	NM_015315.4	100.0
LARP1B	NM_018078.3	100.0
LARP4	NM_052879.4	100.0
LARP4B	NM_015155.2	100.0
LARP6	NM_018357.2	100.0
LARP7	NM_016648.3	100.0
LARS	NM_020117.9	100.0
LARS2	NM_015340.3	100.0
LAS1L	NM_031206.4	100.0
LASP1	NM_006148.3	100.0
LAT	NM_014387.3	100.0
LAT2	NM_014146.3	100.0
LATS1	NM_004690.3	100.0
LATS2	NM_014572.2	100.0
LAX1	NM_017773.3	100.0
LAYN	NM_178834.4	100.0
LBH	NM_030915.3	100.0
LBP	NM_004139.3	100.0
LBR	NM_002296.3	100.0
LBX1	NM_006562.4	100.0
LBX2	NM_001009812.1	100.0
LCA5	NM_181714.3	100.0
LCA5L	NM_152505.3	100.0
LCAT	NM_000229.1	100.0
LCE1A	NM_178348.2	100.0
LCE1B	NM_178349.1	100.0

LCE1C	NM_178351.3	100.0
LCE1D	NM_178352.2	94.4
LCE1E	NM_178353.1	100.0
LCE1F	NM_178354.2	100.0
LCE2A	NM_178428.3	100.0
LCE2B	NM_014357.4	100.0
LCE2C	NM_178429.3	100.0
LCE2D	NM_178430.3	100.0
LCE3A	NM_178431.1	100.0
LCE3B	NM_178433.1	63.3
LCE3C	NM_178434.2	63.3
LCE3D	NM_032563.1	100.0
LCE3E	NM_178435.3	100.0
LCE4A	NM_178356.2	100.0
LCE5A	NM_178438.4	100.0
LCE6A	NM_001128600.1	100.0
LCK	NM_001042771.1	100.0
LCLAT1	NM_182551.3	100.0
LCMT1	NM_016309.2	100.0
LCMT2	NM_014793.4	99.9
LCN1	NM_002297.3	100.0
LCN10	NM_001001712.2	100.0
LCN12	NM_178536.3	100.0
LCN15	NM_203347.1	100.0
LCN2	NM_005564.3	100.0
LCN6	NM_198946.2	100.0
LCN8	NM_178469.3	100.0
LCN9	NM_001001676.1	100.0
LCNL1	NM_207510.3	100.0
LCOR	NM_032440.3	100.0
LCORL	NM_153686.7	100.0
LCP1	NM_002298.4	100.0
LCP2	NM_005565.3	100.0
LCT	NM_002299.2	100.0
LCTL	NM_207338.3	100.0
LDB1	NM_003893.4	100.0
LDB2	NM_001290.3	100.0
LDB3	NM_001080116.1	100.0
LDHA	NM_005566.3	100.0
LDHAL6A	NM_144972.4	100.0

LDHAL6B	NM_033195.2	100.0
LDHB	NM_002300.6	100.0
LDHC	NM_002301.4	100.0
LDHD	NM_153486.3	100.0
LDLR	NM_000527.4	100.0
LDLRAD1	NM_001010978.3	100.0
LDLRAD2	NM_001013693.2	100.0
LDLRAD3	NM_174902.2	97.9
LDLRAD4	NM_181481.4	100.0
LDLRAP1	NM_015627.2	100.0
LDOC1	NM_012317.2	100.0
LDOC1L	NM_032287.2	100.0
LEAP2	NM_052971.2	100.0
LECT1	NM_007015.2	100.0
LECT2	NM_002302.2	100.0
LEF1	NM_016269.4	100.0
LEFTY1	NM_020997.3	100.0
LEFTY2	NM_003240.3	100.0
LEKR1	NM_001004316.2	100.0
LELP1	NM_001010857.2	100.0
LEMD1	NM_001001552.4	100.0
LEMD2	NM_181336.3	96.4
LEMD3	NM_014319.4	100.0
LENEP	NM_018655.2	100.0
LENG1	NM_024316.1	100.0
LENG8	NM_052925.2	100.0
LENG9	NM_198988.1	95.0
LEO1	NM_138792.2	100.0
LEP	NM_000230.2	100.0
LEPR	NM_002303.5	100.0
LEPRE1	NM_022356.3	100.0
LEPREL1	NM_018192.3	99.1
LEPREL2	NM_014262.3	97.6
LEPREL4	NM_006455.2	98.8
LEPROT	NM_017526.4	100.0
LEPROTL1	NM_015344.2	100.0
LETM1	NM_012318.2	99.9
LETM2	NM_144652.2	100.0
LETMD1	NM_015416.4	100.0
LEUTX	NM_001143832.1	100.0

LFNG	NM_001040167.1	85.4
LGALS1	NM_002305.3	100.0
LGALS12	NM_033101.3	100.0
LGALS13	NM_013268.2	100.0
LGALS14	NM_020129.2	100.0
LGALS16	NM_001190441.1	100.0
LGALS2	NM_006498.2	100.0
LGALS3	NM_002306.3	100.0
LGALS3BP	NM_005567.3	100.0
LGALS4	NM_006149.3	100.0
LGALS7	NM_002307.3	96.5
LGALS7B	NM_001042507.3	100.0
LGALS8	NM_006499.4	100.0
LGALS9	NM_002308.3	100.0
LGALS9B	NM_001042685.1	99.2
LGALS9C	NM_001040078.2	99.2
LGALSL	NM_014181.2	100.0
LGI1	NM_005097.2	100.0
LGI2	NM_018176.3	99.8
LGI3	NM_139278.2	99.9
LGI4	NM_139284.2	100.0
LGMN	NM_005606.6	100.0
LGR4	NM_018490.2	99.2
LGR5	NM_003667.3	100.0
LGR6	NM_021636.2	100.0
LGSN	NM_016571.2	100.0
LHB	NM_000894.2	100.0
LHCGR	NM_000233.3	100.0
LHFP	NM_005780.2	100.0
LHFPL1	NM_178175.3	100.0
LHFPL2	NM_005779.2	100.0
LHFPL3	NM_199000.2	100.0
LHFPL4	NM_198560.2	100.0
LHFPL5	NM_182548.3	100.0
LHPP	NM_022126.3	100.0
LHX1	NM_005568.3	100.0
LHX2	NM_004789.3	100.0
LHX3	NM_014564.3	100.0
LHX4	NM_033343.3	100.0
LHX5	NM_022363.2	100.0

LHX6	NM_014368.4	100.0
LHX8	NM_001001933.1	100.0
LHX9	NM_020204.2	100.0
LIAS	NM_006859.3	100.0
LIF	NM_002309.4	100.0
LIFR	NM_002310.5	100.0
LIG1	NM_000234.1	100.0
LIG3	NM_013975.3	100.0
LIG4	NM_002312.3	100.0
LILRA1	NM_006863.3	100.0
LILRA2	NM_006866.2	100.0
LILRA3	NM_006865.3	89.1
LILRA4	NM_012276.3	100.0
LILRA5	NM_021250.2	100.0
LILRA6	NM_024318.2	99.9
LILRB1	NM_006669.5	100.0
LILRB2	NM_005874.3	100.0
LILRB3	NM_006864.2	93.3
LILRB4	NM_001278426.2	100.0
LILRB5	NM_006840.3	100.0
LIM2	NM_030657.3	100.0
LIMA1	NM_016357.4	100.0
LIMCH1	NM_014988.2	100.0
LIMD1	NM_014240.2	100.0
LIMD2	NM_030576.3	100.0
LIME1	NM_017806.2	100.0
LIMK1	NM_002314.3	100.0
LIMK2	NM_005569.3	100.0
LIMS1	NM_004987.5	100.0
LIMS2	NM_017980.4	97.6
LIMS3L	XM_005263563.1	100.0
LIN28A	NM_024674.4	100.0
LIN28B	NM_001004317.3	100.0
LIN37	NM_019104.2	100.0
LIN52	NM_001024674.2	100.0
LIN54	NM_194282.2	100.0
LIN7A	NM_004664.2	100.0
LIN7B	NM_022165.2	100.0
LIN7C	NM_018362.3	100.0
LIN9	NM_173083.3	100.0

LINC00452	NM_001278674.1	100.0
LINGO1	NM_032808.5	100.0
LINGO2	NM_152570.2	100.0
LINGO3	NM_001101391.1	99.5
LINGO4	NM_001004432.2	100.0
LINS	NM_001040616.2	100.0
LIPA	NM_000235.2	100.0
LIPC	NM_000236.2	100.0
LIPE	NM_005357.2	100.0
LIPF	NM_004190.3	100.0
LIPG	NM_006033.2	100.0
LIPH	NM_139248.2	100.0
LIPI	NM_198996.2	100.0
LIPJ	NM_001010939.2	100.0
LIPK	NM_001080518.1	100.0
LIPM	NM_001128215.1	100.0
LIPN	NM_001102469.1	100.0
LIPT1	NM_145199.2	100.0
LIPT2	NM_001144869.1	99.8
LITAF	NM_004862.3	100.0
LIX1	NM_153234.4	100.0
LIX1L	NM_153713.2	99.3
LLGL1	NM_004140.3	100.0
LLGL2	NM_001031803.1	100.0
LLPH	NM_032338.3	100.0
LMAN1	NM_005570.3	100.0
LMAN1L	NM_021819.2	100.0
LMAN2	NM_006816.2	100.0
LMAN2L	NM_030805.3	100.0
LMBR1	NM_022458.3	100.0
LMBR1L	NM_018113.2	100.0
LMBRD1	NM_018368.3	100.0
LMBRD2	NM_001007527.1	100.0
LMCD1	NM_014583.3	100.0
LMF1	NM_022773.2	100.0
LMF2	NM_033200.2	100.0
LMLN	NM_033029.3	100.0
LMNA	NM_170707.3	100.0
LMNB1	NM_005573.3	99.9
LMNB2	NM_032737.3	95.4

LMO1	NM_002315.2	100.0
LMO2	NM_005574.3	94.5
LMO3	NM_018640.4	100.0
LMO4	NM_006769.3	100.0
LMO7	NM_005358.5	100.0
LMOD1	NM_012134.2	100.0
LMOD2	NM_207163.1	100.0
LMOD3	NM_198271.3	100.0
LMTK2	NM_014916.3	100.0
LMTK3	NM_001080434.1	98.3
LMX1A	NM_177398.3	100.0
LMX1B	NM_002316.3	100.0
LNP1	NM_001085451.1	100.0
LNPEP	NM_005575.2	100.0
LNK1	NM_032622.2	100.0
LNK2	NM_153371.3	100.0
LONP1	NM_004793.3	100.0
LONP2	NM_031490.2	100.0
LONRF1	NM_152271.3	98.1
LONRF2	NM_198461.3	91.6
LONRF3	NM_024778.4	99.9
LOR	NM_000427.2	99.5
LOX	NM_002317.5	100.0
LOXHD1	NM_144612.6	100.0
LOXL1	NM_005576.2	98.8
LOXL2	NM_002318.2	100.0
LOXL3	NM_032603.2	100.0
LOXL4	NM_032211.6	100.0
LPA	NM_005577.2	100.0
LPAR1	NM_001401.3	100.0
LPAR2	NM_004720.5	100.0
LPAR3	NM_012152.2	100.0
LPAR4	NM_005296.2	100.0
LPAR5	NM_020400.5	100.0
LPAR6	NM_005767.5	100.0
LPCAT1	NM_024830.3	100.0
LPCAT2	NM_017839.4	100.0
LPCAT3	NM_005768.5	100.0
LPCAT4	NM_153613.2	100.0
LPGAT1	NM_014873.2	100.0

LPHN1	NM_014921.4	100.0
LPHN2	NM_012302.2	100.0
LPHN3	NM_015236.4	100.0
LPIN1	NM_145693.2	100.0
LPIN2	NM_014646.2	100.0
LPIN3	NM_022896.1	100.0
LPL	NM_000237.2	100.0
LPO	NM_006151.2	100.0
LPP	NM_005578.3	100.0
LPPR1	NM_017753.2	100.0
LPPR2	NM_022737.2	100.0
LPPR3	NM_024888.2	97.0
LPPR4	NM_014839.4	100.0
LPPR5	NM_001010861.2	100.0
LPXN	NM_004811.2	100.0
LRAT	NM_004744.3	100.0
LRBA	NM_006726.4	100.0
LRCH1	NM_015116.2	100.0
LRCH2	NM_020871.3	100.0
LRCH3	NM_032773.2	100.0
LRCH4	NM_002319.3	100.0
LRCOL1	NM_001195520.1	100.0
LRFN1	NM_020862.1	100.0
LRFN2	NM_020737.1	100.0
LRFN3	NM_024509.1	100.0
LRFN4	NM_024036.4	100.0
LRFN5	NM_152447.3	100.0
LRG1	NM_052972.2	100.0
LRGUK	NM_144648.1	100.0
LRIF1	NM_018372.3	100.0
LRIG1	NM_015541.2	100.0
LRIG2	NM_014813.1	100.0
LRIG3	NM_153377.4	100.0
LRIT1	NM_015613.2	100.0
LRIT2	NM_001017924.2	100.0
LRIT3	NM_198506.4	100.0
LRMP	NM_006152.3	100.0
LRP1	NM_002332.2	100.0
LRP10	NM_014045.3	100.0
LRP11	NM_032832.5	97.8

LRP12	NM_013437.4	100.0
LRP1B	NM_018557.2	100.0
LRP2	NM_004525.2	100.0
LRP2BP	NM_018409.3	100.0
LRP3	NM_002333.3	98.9
LRP4	NM_002334.3	100.0
LRP5	NM_002335.2	98.5
LRP5L	NM_182492.2	100.0
LRP6	NM_002336.2	100.0
LRP8	NM_004631.4	97.4
LRPAP1	NM_002337.3	100.0
LRPPRC	NM_133259.3	100.0
LRR1	NM_152329.3	100.0
LRRC1	NM_018214.4	100.0
LRRC10	NM_201550.2	100.0
LRRC10B	NM_001145077.1	99.5
LRRC14	NM_014665.3	100.0
LRRC14B	NM_001080478.1	100.0
LRRC15	NM_130830.4	100.0
LRRC16A	NM_017640.5	100.0
LRRC16B	NM_138360.3	100.0
LRRC17	NM_005824.2	100.0
LRRC18	NM_001006939.3	100.0
LRRC19	NM_022901.2	100.0
LRRC2	NM_024512.4	100.0
LRRC20	NM_018205.3	100.0
LRRC23	NM_006992.3	100.0
LRRC24	NM_001024678.3	97.0
LRRC25	NM_145256.2	100.0
LRRC26	NM_001013653.2	96.0
LRRC27	NM_030626.2	100.0
LRRC28	NM_144598.2	100.0
LRRC29	NM_012163.2	100.0
LRRC3	NM_030891.3	100.0
LRRC30	NM_001105581.1	100.0
LRRC31	NM_024727.3	99.9
LRRC32	NM_005512.2	100.0
LRRC34	NM_153353.4	100.0
LRRC36	NM_018296.5	100.0
LRRC37A	NM_014834.4	96.7

LRRC37A2	NM_001006607.2	99.1
LRRC37A3	NM_199340.2	100.0
LRRC37B	NM_052888.2	100.0
LRRC38	NM_001010847.1	94.5
LRRC39	NM_144620.3	100.0
LRRC3B	NM_052953.2	100.0
LRRC3C	NM_001195545.1	100.0
LRRC4	NM_022143.4	100.0
LRRC40	NM_017768.4	100.0
LRRC41	NM_006369.4	100.0
LRRC42	NM_052940.4	100.0
LRRC43	NM_152759.4	100.0
LRRC45	NM_144999.2	99.9
LRRC46	NM_033413.3	100.0
LRRC47	NM_020710.2	97.6
LRRC48	NM_031294.3	100.0
LRRC49	NM_017691.3	100.0
LRRC4B	NM_001080457.1	100.0
LRRC4C	NM_020929.2	100.0
LRRC52	NM_001005214.3	100.0
LRRC55	NM_001005210.2	100.0
LRRC56	NM_198075.3	100.0
LRRC57	NM_153260.2	100.0
LRRC58	NM_001099678.1	100.0
LRRC59	NM_018509.3	100.0
LRRC6	NM_012472.4	100.0
LRRC61	NM_023942.2	100.0
LRRC63	XM_003403513.4	100.0
LRRC66	NM_001024611.1	100.0
LRRC69	NM_001129890.1	100.0
LRRC7	NM_020794.2	100.0
LRRC70	NM_181506.4	100.0
LRRC71	NM_144702.2	100.0
LRRC72	NM_001195280.1	100.0
LRRC73	NM_001012974.2	100.0
LRRC8A	NM_019594.3	100.0
LRRC8B	NM_015350.2	100.0
LRRC8C	NM_032270.4	100.0
LRRC8D	NM_018103.4	100.0
LRRC8E	NM_025061.4	100.0

LRRCC1	NM_033402.4	100.0
LRRD1	NM_001161528.1	100.0
LRRFIP1	NM_004735.3	100.0
LRRFIP2	NM_006309.2	100.0
LRRIQ1	NM_001079910.1	100.0
LRRIQ3	NM_001105659.1	100.0
LRRIQ4	NM_001080460.1	100.0
LRRK1	NM_024652.3	100.0
LRRK2	NM_198578.3	100.0
LRRN1	NM_020873.5	100.0
LRRN2	NM_006338.2	100.0
LRRN3	NM_018334.4	100.0
LRRN4	NM_152611.4	99.8
LRRN4CL	NM_203422.3	100.0
LRRTM1	NM_178839.4	100.0
LRRTM2	NM_015564.2	100.0
LRRTM3	NM_178011.3	100.0
LRRTM4	NM_001134745.1	100.0
LRSAM1	NM_138361.5	100.0
LRTM1	NM_020678.2	100.0
LRTM2	NM_001039029.2	100.0
LRTOMT	NM_001145308.4	100.0
LRWD1	NM_152892.1	100.0
LSAMP	NM_002338.3	100.0
LSG1	NM_018385.2	100.0
LSM1	NM_014462.2	100.0
LSM10	NM_032881.1	100.0
LSM11	NM_173491.2	99.3
LSM12	NM_152344.3	100.0
LSM14A	NM_015578.2	100.0
LSM14B	NM_144703.2	100.0
LSM2	NM_021177.4	100.0
LSM3	NM_014463.2	100.0
LSM4	NM_012321.4	100.0
LSM5	NM_012322.2	100.0
LSM6	NM_007080.2	100.0
LSM7	NM_016199.2	100.0
LSMD1	NM_032356.3	99.9
LSMEM1	NM_182597.2	100.0
LSMEM2	NM_153215.1	100.0

LSP1	NM_002339.2	100.0
LSR	NM_015925.6	100.0
LSS	NM_002340.5	100.0
LST1	NM_007161.3	100.0
LTA	NM_000595.3	100.0
LTA4H	NM_000895.2	100.0
LTB	NM_002341.1	100.0
LTB4R	NM_181657.3	100.0
LTB4R2	NM_019839.4	99.8
LTBP1	NM_206943.2	99.2
LTBP2	NM_000428.2	100.0
LTBP3	NM_001130144.2	98.1
LTBP4	NM_003573.2	100.0
LTBR	NM_002342.2	100.0
LTC4S	NM_145867.1	99.1
LTF	NM_002343.3	100.0
LTK	NM_002344.5	99.4
LTN1	NM_015565.2	100.0
LTV1	NM_032860.3	100.0
LUC7L	NM_201412.1	100.0
LUC7L2	NM_016019.4	100.0
LUC7L3	NM_006107.3	100.0
LUM	NM_002345.3	100.0
LURAP1	NM_001013615.2	100.0
LURAP1L	NM_203403.1	100.0
LUZP1	NM_033631.3	100.0
LUZP2	NM_001009909.3	100.0
LUZP4	NM_016383.3	100.0
LUZP6	NM_001128619.2	100.0
LXN	NM_020169.3	100.0
LY6D	NM_003695.2	100.0
LY6E	NM_002346.2	100.0
LY6G5B	NM_021221.2	100.0
LY6G5C	NM_025262.3	100.0
LY6G6C	NM_025261.2	100.0
LY6G6D	NM_021246.2	100.0
LY6G6F	NM_001003693.1	100.0
LY6H	NM_002347.4	100.0
LY6K	NM_017527.3	100.0
LY75	NM_002349.3	100.0

LY75-CD302	NM_001198759.1	100.0
LY86	NM_004271.3	100.0
LY9	NM_002348.3	100.0
LY96	NM_015364.4	100.0
LYAR	NM_017816.2	100.0
LYG1	NM_174898.2	100.0
LYG2	NM_175735.3	100.0
LYL1	NM_005583.4	99.1
LYN	NM_002350.3	100.0
LYNX1	NM_023946.2	100.0
LYPD1	NM_144586.5	100.0
LYPD2	NM_205545.1	100.0
LYPD3	NM_014400.2	100.0
LYPD4	NM_173506.4	100.0
LYPD5	NM_182573.2	100.0
LYPD6	NM_001195685.1	100.0
LYPD6B	NM_177964.3	100.0
LYPD8	NM_001085474.1	100.0
LYPLA1	NM_006330.3	100.0
LYPLA2	NM_007260.2	100.0
LYPLAL1	NM_138794.3	100.0
LYRM1	NM_020424.3	100.0
LYRM2	NM_020466.4	100.0
LYRM4	NM_020408.4	100.0
LYRM5	NM_001001660.2	100.0
LYRM7	NM_181705.2	100.0
LYRM9	NM_001076680.1	100.0
LYSMD1	NM_212551.4	100.0
LYSMD2	NM_153374.2	91.7
LYSMD3	NM_198273.1	100.0
LYSMD4	NM_152449.2	100.0
LYST	NM_000081.3	100.0
LYVE1	NM_006691.3	100.0
LYZ	NM_000239.2	100.0
LYZL1	NM_032517.4	100.0
LYZL2	NM_183058.2	100.0
LYZL4	NM_144634.2	100.0
LYZL6	NM_020426.2	100.0
LZIC	NM_032368.3	100.0
LZTFL1	NM_020347.3	100.0

LZTR1	NM_006767.3	100.0
LZTS1	NM_021020.2	100.0
LZTS2	NM_032429.2	100.0
LZTS3	NM_014731.2	100.0
M1AP	NM_138804.4	100.0
M6PR	NM_002355.3	100.0
MAATS1	NM_033364.3	100.0
MAB21L1	NM_005584.4	100.0
MAB21L2	NM_006439.4	100.0
MAB21L3	NM_152367.2	100.0
MACC1	NM_182762.3	100.0
MACF1	NM_012090.5	100.0
MACROD1	NM_014067.3	98.3
MACROD2	NM_001033087.1	100.0
MAD1L1	NM_003550.2	100.0
MAD2L1	NM_002358.3	100.0
MAD2L1BP	NM_014628.2	100.0
MAD2L2	NM_006341.3	100.0
MADCAM1	NM_130760.2	100.0
MADD	NM_003682.3	100.0
MAEA	NM_005882.3	100.0
MAEL	NM_032858.1	100.0
MAF	NM_005360.4	82.7
MAF1	NM_032272.4	100.0
MAFA	NM_201589.3	90.6
MAFB	NM_005461.4	100.0
MAFF	NM_001161572.1	98.6
MAFG	NM_002359.3	99.9
MAFK	NM_002360.3	100.0
MAG	NM_002361.3	100.0
MAGEA1	NM_004988.4	100.0
MAGEA10	NM_021048.4	100.0
MAGEA10-MAGEA5	NM_001204811.2	99.9
MAGEA11	NM_005366.4	100.0
MAGEA12	NM_005367.5	100.0
MAGEA2	NM_005361.2	100.0
MAGEA2B	NM_153488.3	100.0
MAGEA3	NM_005362.3	99.7
MAGEA4	NM_002362.4	100.0
MAGEA5	NM_021049.4	99.9

MAGEA6	NM_005363.2	100.0
MAGEA8	NM_005364.4	100.0
MAGEA9	NM_005365.4	100.0
MAGEA9B	NM_001080790.1	100.0
MAGEB1	NM_002363.4	100.0
MAGEB10	NM_182506.3	100.0
MAGEB16	NM_001099921.1	100.0
MAGEB17	NM_001277307.1	100.0
MAGEB18	NM_173699.3	100.0
MAGEB2	NM_002364.4	100.0
MAGEB3	NM_002365.4	100.0
MAGEB4	NM_002367.3	100.0
MAGEB5	NM_001271752.1	100.0
MAGEB6	NM_173523.2	99.9
MAGEC1	NM_005462.4	99.9
MAGEC2	NM_016249.3	100.0
MAGEC3	NM_138702.1	100.0
MAGED1	NM_006986.3	100.0
MAGED2	NM_014599.4	100.0
MAGED4	NM_001098800.2	100.0
MAGED4B	NM_030801.3	100.0
MAGEE1	NM_020932.2	100.0
MAGEE2	NM_138703.4	100.0
MAGEF1	NM_022149.4	100.0
MAGEH1	NM_014061.3	100.0
MAGEL2	NM_019066.4	100.0
MAGI1	NM_004742.2	100.0
MAGI2	NM_012301.3	93.9
MAGI3	NM_152900.2	100.0
MAGIX	NM_024859.2	96.3
MAGOH	NM_002370.3	100.0
MAGOHB	NM_018048.3	100.0
MAGT1	NM_032121.5	100.0
MAK	NM_001242957.1	100.0
MAK16	NM_032509.3	100.0
MAL	NM_002371.3	100.0
MAL2	NM_052886.2	99.8
MALL	NM_005434.4	100.0
MALSU1	NM_138446.1	100.0
MALT1	NM_006785.3	99.3

MAMDC2	NM_153267.4	100.0
MAMDC4	NM_206920.2	100.0
MAML1	NM_014757.4	97.8
MAML2	NM_032427.1	100.0
MAML3	NM_018717.4	99.9
MAMLD1	NM_005491.3	100.0
MAMSTR	NM_182574.2	99.9
MAN1A1	NM_005907.3	99.9
MAN1A2	NM_006699.3	100.0
MAN1B1	NM_016219.4	100.0
MAN1C1	NM_020379.2	100.0
MAN2A1	NM_002372.2	100.0
MAN2A2	NM_006122.2	100.0
MAN2B1	NM_000528.3	100.0
MAN2B2	NM_015274.1	100.0
MAN2C1	NM_006715.3	100.0
MANBA	NM_005908.3	100.0
MANBAL	NM_022077.3	100.0
MANEA	NM_024641.3	100.0
MANEAL	NM_152496.2	100.0
MANF	NM_006010.4	100.0
MANSC1	NM_018050.2	100.0
MANSC4	NM_001146221.1	100.0
MAOA	NM_000240.3	100.0
MAOB	NM_000898.4	100.0
MAP10	NM_019090.2	100.0
MAP1A	NM_002373.5	100.0
MAP1B	NM_005909.3	100.0
MAP1LC3A	NM_032514.3	100.0
MAP1LC3B2	NM_001085481.1	100.0
MAP1LC3C	NM_001004343.2	100.0
MAP1S	NM_018174.4	100.0
MAP2	NM_002374.3	100.0
MAP2K1	NM_002755.3	100.0
MAP2K2	NM_030662.3	100.0
MAP2K3	NM_145109.2	100.0
MAP2K4	NM_003010.3	97.0
MAP2K5	NM_145160.2	100.0
MAP2K6	NM_002758.3	100.0
MAP2K7	NM_145185.2	100.0

MAP3K1	NM_005921.1	98.0
MAP3K10	NM_002446.3	96.7
MAP3K11	NM_002419.3	100.0
MAP3K12	NM_006301.3	100.0
MAP3K13	NM_004721.4	100.0
MAP3K14	NM_003954.3	100.0
MAP3K15	NM_001001671.3	98.5
MAP3K19	NM_025052.3	100.0
MAP3K2	NM_006609.4	100.0
MAP3K3	NM_002401.3	100.0
MAP3K4	NM_005922.2	100.0
MAP3K5	NM_005923.3	100.0
MAP3K6	NM_004672.3	97.3
MAP3K7	NM_003188.3	100.0
MAP3K7CL	NM_020152.2	100.0
MAP3K8	NM_005204.3	100.0
MAP3K9	NM_033141.2	99.9
MAP4	NM_002375.4	100.0
MAP4K1	NM_007181.4	96.1
MAP4K2	NM_004579.3	100.0
MAP4K3	NM_003618.3	100.0
MAP4K4	NM_145686.3	100.0
MAP4K5	NM_006575.4	100.0
MAP6	NM_033063.1	94.7
MAP6D1	NM_024871.2	99.4
MAP7	NM_003980.4	100.0
MAP7D1	NM_018067.3	99.8
MAP7D2	NM_152780.3	100.0
MAP7D3	NM_024597.3	100.0
MAP9	NM_001039580.1	100.0
MAPK1	NM_002745.4	99.4
MAPK10	NM_002753.3	100.0
MAPK11	NM_002751.5	100.0
MAPK12	NM_002969.3	100.0
MAPK13	NM_002754.4	100.0
MAPK14	NM_001315.2	100.0
MAPK15	NM_139021.2	100.0
MAPK1IP1L	NM_144578.3	100.0
MAPK3	NM_002746.2	100.0
MAPK4	NM_002747.3	100.0

MAPK6	NM_002748.3	100.0
MAPK7	NM_139033.2	100.0
MAPK8	NM_139049.2	100.0
MAPK8IP1	NM_005456.3	100.0
MAPK8IP2	NM_012324.3	95.9
MAPK8IP3	NM_015133.3	100.0
MAPK9	NM_002752.4	100.0
MAPKAP1	NM_001006617.1	100.0
MAPKAPK3	NM_004635.4	100.0
MAPKAPK5	NM_003668.3	100.0
MAPKBP1	NM_014994.2	100.0
MAPRE1	NM_012325.2	100.0
MAPRE2	NM_014268.3	100.0
MAPRE3	NM_012326.2	100.0
MAPT	NM_005910.5	100.0
MARC1	NM_022746.3	96.0
MARC2	NM_017898.3	100.0
MARCH1	NM_017923.3	100.0
MARCH10	NM_152598.2	100.0
MARCH11	NM_001102562.1	86.0
MARCH2	NM_016496.4	100.0
MARCH3	NM_178450.4	100.0
MARCH4	NM_020814.2	100.0
MARCH5	NM_017824.4	100.0
MARCH6	NM_005885.3	100.0
MARCH7	NM_022826.2	100.0
MARCH8	NM_001002265.1	100.0
MARCH9	NM_138396.5	98.4
MARCKS	NM_002356.5	88.4
MARCKSL1	NM_023009.6	100.0
MARCO	NM_006770.3	100.0
MARK1	NM_018650.3	100.0
MARK2	NM_004954.4	100.0
MARK3	NM_002376.5	100.0
MARK4	NM_031417.3	100.0
MARS	NM_004990.3	100.0
MARS2	NM_138395.3	100.0
MARVELD1	NM_031484.3	88.9
MARVELD2	NM_001038603.2	100.0
MARVELD3	NM_052858.5	100.0

MAS1	NM_002377.2	100.0
MAS1L	NM_052967.1	100.0
MASP1	NM_139125.3	100.0
MASP2	NM_006610.3	100.0
MAST1	NM_014975.2	100.0
MAST2	NM_015112.2	99.8
MAST3	NM_015016.1	100.0
MAST4	NM_015183.2	100.0
MASTL	NM_032844.3	100.0
MAT1A	NM_000429.2	100.0
MAT2A	NM_005911.5	100.0
MAT2B	NM_013283.4	100.0
MATK	NM_002378.3	100.0
MATN1	NM_002379.3	100.0
MATN2	NM_002380.3	100.0
MATN3	NM_002381.4	99.8
MATN4	NM_003833.4	100.0
MATR3	NM_199189.2	100.0
MAU2	NM_015329.3	100.0
MAVS	NM_020746.4	100.0
MAX	NM_002382.4	100.0
MAZ	NM_002383.3	87.3
MB	NM_005368.2	100.0
MB21D1	NM_138441.2	100.0
MB21D2	NM_178496.3	100.0
MBD1	NM_015846.3	100.0
MBD2	NM_003927.4	83.2
MBD3L1	NM_145208.2	100.0
MBD3L2	NM_144614.3	100.0
MBD4	NM_003925.2	100.0
MBD5	NM_018328.4	100.0
MBD6	NM_052897.3	100.0
MBIP	NM_016586.2	100.0
MBL2	NM_000242.2	100.0
MBLAC1	NM_203397.1	100.0
MBLAC2	NM_203406.1	100.0
MBNL1	NM_021038.3	100.0
MBNL2	NM_144778.3	100.0
MBNL3	NM_018388.3	100.0
MBOAT1	NM_001080480.2	100.0

MBOAT2	NM_138799.2	100.0
MBOAT4	NM_001100916.1	100.0
MBOAT7	NM_024298.3	100.0
MBP	NM_001025101.1	100.0
MBTD1	NM_017643.2	100.0
MBTPS1	NM_003791.2	100.0
MBTPS2	NM_015884.3	100.0
MC1R	NM_002386.3	100.0
MC2R	NM_000529.2	100.0
MC3R	NM_019888.3	100.0
MC4R	NM_005912.2	100.0
MC5R	NM_005913.2	100.0
MCAM	NM_006500.2	100.0
MCAT	NM_014507.3	100.0
MCC	NM_001085377.1	100.0
MCCC1	NM_020166.3	100.0
MCCC2	NM_022132.4	100.0
MCCD1	NM_001011700.2	100.0
MCEE	NM_032601.3	100.0
MCF2	NM_001171878.1	100.0
MCF2L	NM_024979.4	100.0
MCF2L2	NM_015078.2	100.0
MCFD2	NM_139279.5	100.0
MCHR1	NM_005297.3	100.0
MCHR2	NM_032503.2	100.0
MCIDAS	NM_001190787.1	100.0
MCL1	NM_021960.4	100.0
MCM10	NM_018518.4	100.0
MCM2	NM_004526.3	100.0
MCM3	NM_002388.4	100.0
MCM3AP	NM_003906.3	100.0
MCM4	NM_005914.3	100.0
MCM5	NM_006739.3	100.0
MCM6	NM_005915.5	100.0
MCM7	NM_005916.4	100.0
MCM8	NM_032485.5	100.0
MCM9	NM_017696.2	100.0
MCMBP	NM_024834.3	100.0
MCMD2	NM_173518.4	100.0
MCOLN1	NM_020533.2	100.0

MCOLN2	NM_153259.2	100.0
MCOLN3	NM_018298.10	100.0
MCPH1	NM_024596.3	100.0
MCRS1	NM_006337.4	100.0
MCTP1	NM_024717.4	100.0
MCTP2	NM_018349.3	100.0
MCTS1	NM_014060.2	100.0
MCU	NM_138357.2	98.0
MCUR1	NM_001031713.3	99.1
MDC1	NM_014641.2	100.0
MDFI	NM_005586.3	100.0
MDFIC	NM_199072.4	98.7
MDGA1	NM_153487.3	100.0
MDGA2	NM_182830.4	100.0
MDH1	NM_005917.3	100.0
MDH1B	NM_001039845.1	100.0
MDH2	NM_005918.2	100.0
MDK	NM_002391.4	100.0
MDM1	NM_017440.4	100.0
MDM2	NM_002392.5	100.0
MDM4	NM_002393.4	100.0
MDN1	NM_014611.1	100.0
MDP1	NM_138476.3	100.0
ME1	NM_002395.4	100.0
ME2	NM_002396.4	100.0
ME3	NM_006680.2	100.0
MEA1	NM_014623.2	100.0
MEAF6	NM_022756.5	100.0
MECOM	NM_005241.3	100.0
MECP2	NM_004992.3	99.9
MECR	NM_016011.2	100.0
MED1	NM_004774.3	100.0
MED10	NM_032286.2	100.0
MED11	NM_001001683.2	100.0
MED12	NM_005120.2	100.0
MED12L	NM_053002.4	100.0
MED13L	NM_015335.4	100.0
MED14	NM_004229.3	100.0
MED15	NM_015889.3	100.0
MED16	NM_005481.2	100.0

MED17	NM_004268.4	100.0
MED18	NM_017638.2	100.0
MED19	NM_153450.1	100.0
MED20	NM_004275.3	100.0
MED21	NM_004264.4	100.0
MED22	NM_133640.4	100.0
MED23	NM_015979.3	100.0
MED24	NM_014815.3	100.0
MED25	NM_030973.3	100.0
MED26	NM_004831.3	100.0
MED27	NM_004269.3	100.0
MED28	NM_025205.3	100.0
MED29	NM_017592.1	100.0
MED30	NM_080651.2	100.0
MED31	NM_016060.2	100.0
MED4	NM_014166.3	100.0
MED6	NM_005466.2	100.0
MED7	NM_004270.4	100.0
MED8	NM_052877.4	100.0
MED9	NM_018019.2	100.0
MEDAG	NM_032849.3	100.0
MEF2A	NM_005587.2	100.0
MEF2B	NM_001145785.1	100.0
MEF2BNB	NM_001145783.1	100.0
MEF2BNB-MEF2B	NM_005919.3	100.0
MEF2C	NM_002397.4	100.0
MEF2D	NM_005920.3	100.0
MEFV	NM_000243.2	100.0
MEGF10	NM_032446.2	100.0
MEGF11	NM_032445.2	100.0
MEGF6	NM_001409.3	100.0
MEGF8	NM_001410.2	100.0
MEGF9	NM_001080497.2	98.4
MEI1	NM_152513.3	100.0
MEIG1	NM_001080836.2	100.0
MEIOB	NM_152764.2	100.0
MEIS1	NM_002398.2	100.0
MEIS2	NM_170675.4	100.0
MEIS3	NM_020160.2	100.0
MELK	NM_014791.3	100.0

MEMO1	NM_015955.2	100.0
MEN1	NM_130799.2	100.0
MEOX1	NM_004527.3	100.0
MEP1A	NM_005588.2	100.0
MEP1B	NM_005925.2	100.0
MEPCE	NM_019606.5	100.0
MEPE	NM_020203.3	100.0
MERTK	NM_006343.2	100.0
MESDC1	NM_022566.2	100.0
MESDC2	NM_015154.1	100.0
MESP1	NM_018670.3	97.8
MESP2	NM_001039958.1	100.0
MET	NM_001127500.1	100.0
METAP1	NM_015143.2	100.0
METAP1D	NM_199227.1	100.0
METAP2	NM_006838.3	100.0
METRNL	NM_024042.2	95.9
METRNL	NM_001004431.1	92.6
METTTL1	NM_005371.5	100.0
METTTL10	NM_212554.2	70.4
METTTL11B	NM_001136107.1	100.0
METTTL12	NM_001043229.1	100.0
METTTL13	NM_014955.2	100.0
METTTL14	NM_020961.2	100.0
METTTL15	NM_152636.2	100.0
METTTL16	NM_024086.3	100.0
METTTL17	NM_022734.2	100.0
METTTL18	NM_033418.2	100.0
METTTL20	NM_173802.3	100.0
METTTL21A	NM_145280.4	100.0
METTTL21B	NM_015433.2	100.0
METTTL21C	NM_001010977.2	100.0
METTTL21D	NM_024558.2	100.0
METTTL22	NM_024109.2	100.0
METTTL23	NM_001080510.3	100.0
METTTL24	NM_001123364.1	91.8
METTTL25	NM_032230.2	100.0
METTTL2A	NM_181725.3	100.0
METTTL2B	NM_018396.2	100.0
METTTL3	NM_019852.3	100.0

METTL4	NM_022840.3	100.0
METTL5	NM_014168.2	100.0
METTL6	NM_152396.2	100.0
METTL7A	NM_014033.3	100.0
METTL7B	NM_152637.2	100.0
METTL8	NM_024770.3	100.0
METTL9	NM_016025.3	100.0
MEX3A	NM_001093725.1	96.1
MEX3B	NM_032246.4	100.0
MEX3C	NM_016626.4	91.0
MEX3D	NM_203304.3	79.9
MFAP1	NM_005926.2	100.0
MFAP2	NM_002403.3	100.0
MFAP3	NM_005927.4	100.0
MFAP3L	NM_021647.6	100.0
MFAP4	NM_002404.2	100.0
MFAP5	NM_003480.2	100.0
MFF	NM_020194.5	100.0
MFGE8	NM_005928.2	100.0
MFHAS1	NM_004225.2	99.7
MFI2	NM_005929.5	98.8
MFN1	NM_033540.2	100.0
MFN2	NM_014874.3	100.0
MFNG	NM_002405.3	100.0
MFRP	NM_031433.3	100.0
MFSD1	NM_022736.2	100.0
MFSD10	NM_001120.4	100.0
MFSD11	NM_024311.3	100.0
MFSD12	NM_021731.2	99.7
MFSD2A	NM_001136493.1	100.0
MFSD2B	NM_001080473.1	99.8
MFSD3	NM_138431.1	100.0
MFSD4	NM_181644.4	100.0
MFSD5	NM_032889.4	100.0
MFSD6	NM_017694.3	100.0
MFSD6L	NM_152599.3	100.0
MFSD7	NM_032219.2	99.9
MFSD8	NM_152778.2	100.0
MFSD9	NM_032718.3	100.0
MGA	NM_001080541.2	100.0

MGAM	NM_004668.2	100.0
MGARP	NM_032623.3	100.0
MGAT1	NM_001114618.1	100.0
MGAT2	NM_002408.3	100.0
MGAT3	NM_002409.4	100.0
MGAT4A	NM_012214.2	100.0
MGAT4B	NM_014275.4	100.0
MGAT4C	NM_013244.3	100.0
MGAT5	NM_002410.4	100.0
MGAT5B	NM_144677.2	100.0
MGEA5	NM_012215.3	100.0
MGLL	NM_007283.6	100.0
MGME1	NM_052865.2	100.0
MGMT	NM_002412.3	100.0
MGP	NM_000900.3	100.0
MGRN1	NM_015246.3	100.0
MGST1	NM_020300.4	100.0
MGST2	NM_002413.4	100.0
MGST3	NM_004528.3	100.0
MIA	NM_006533.3	100.0
MIA2	NM_054024.3	100.0
MIA3	NM_198551.2	100.0
MIB1	NM_020774.3	100.0
MIB2	NM_080875.2	100.0
MICA	NM_001177519.1	100.0
MICAL1	NM_022765.3	100.0
MICAL2	NM_014632.2	100.0
MICAL3	NM_015241.2	100.0
MICALCL	NM_032867.2	100.0
MICALL1	NM_033386.3	100.0
MICALL2	NM_182924.3	100.0
MICB	NM_005931.3	100.0
MICU1	NM_006077.3	100.0
MICU2	NM_152726.2	100.0
MICU3	NM_181723.2	100.0
MID1	NM_000381.3	100.0
MID1IP1	NM_021242.4	100.0
MID2	NM_012216.3	100.0
MIDN	NM_177401.4	96.7
MIEN1	NM_032339.3	100.0

MIER1	NM_020948.3	100.0
MIER2	NM_017550.1	100.0
MIER3	NM_152622.3	100.0
MIF	NM_002415.1	100.0
MIF4GD	NM_020679.3	100.0
MIIP	NM_021933.3	100.0
MILR1	NM_001085423.1	100.0
MINA	NM_032778.5	100.0
MINK1	NM_015716.4	100.0
MINOS1	NM_001032363.3	100.0
MINOS1-NBL1	NM_001204088.1	100.0
MINPP1	NM_004897.4	100.0
MIOS	NM_019005.3	100.0
MIOX	NM_017584.5	100.0
MIP	NM_012064.3	100.0
MIPEP	NM_005932.3	100.0
MIPOL1	NM_138731.6	100.0
MIR204	NR_029621.1	100.0
MIR205HG	NM_001104548.1	100.0
MIR96	NR_029512.1	100.0
MIS12	NM_024039.2	100.0
MIS18A	NM_018944.2	100.0
MIS18BP1	NM_018353.4	100.0
MISP	NM_173481.2	100.0
MITD1	NM_138798.1	100.0
MITF	NM_000248.3	100.0
MIXL1	NM_031944.1	91.3
MKI67	NM_002417.4	100.0
MKI67IP	NM_032390.4	100.0
MKKS	NM_018848.3	100.0
MKL1	NM_020831.3	100.0
MKL2	NM_014048.3	100.0
MKLN1	NM_013255.4	100.0
MKNK1	NM_003684.5	91.2
MKNK2	NM_017572.3	100.0
MKRN1	NM_013446.3	100.0
MKRN2	NM_014160.4	100.0
MKRN3	NM_005664.3	100.0
MKS1	NM_017777.3	100.0
MLANA	NM_005511.1	100.0

MLC1	NM_015166.3	100.0
MLEC	NM_014730.2	100.0
MLF1	NM_022443.4	100.0
MLF1IP	NM_024629.3	100.0
MLF2	NM_005439.2	100.0
MLH1	NM_000249.3	100.0
MLH3	NM_001040108.1	100.0
MLIP	NM_138569.2	100.0
MLKL	NM_152649.2	100.0
MLLT1	NM_005934.3	99.4
MLLT10	NM_004641.3	100.0
MLLT11	NM_006818.3	100.0
MLLT3	NM_004529.2	100.0
MLLT6	NM_005937.3	100.0
MLN	NM_002418.2	100.0
MLNR	NM_001507.1	99.0
MLPH	NM_024101.6	100.0
MLST8	NM_022372.4	100.0
MLX	NM_170607.2	100.0
MLXIP	NM_014938.4	99.3
MLXIPL	NM_032951.2	100.0
MLYCD	NM_012213.2	97.7
MMAA	NM_172250.2	100.0
MMAB	NM_052845.3	100.0
MMACHC	NM_015506.2	100.0
MMADHC	NM_015702.2	100.0
MMD	NM_012329.2	100.0
MMD2	NM_198403.3	100.0
MME	NM_007289.2	100.0
MMEL1	NM_033467.3	100.0
MMGT1	NM_173470.1	100.0
MMP1	NM_002421.3	100.0
MMP10	NM_002425.2	100.0
MMP11	NM_005940.3	97.3
MMP12	NM_002426.4	100.0
MMP13	NM_002427.3	100.0
MMP14	NM_004995.3	100.0
MMP15	NM_002428.2	99.9
MMP16	NM_005941.4	100.0
MMP17	NM_016155.4	92.9

MMP19	NM_002429.5	100.0
MMP2	NM_004530.4	100.0
MMP20	NM_004771.3	100.0
MMP21	NM_147191.1	98.9
MMP23B	NM_006983.1	100.0
MMP24	NM_006690.3	89.3
MMP25	NM_022468.4	100.0
MMP26	NM_021801.3	100.0
MMP27	NM_022122.2	100.0
MMP28	NM_024302.3	100.0
MMP3	NM_002422.3	100.0
MMP7	NM_002423.3	100.0
MMP8	NM_002424.2	100.0
MMP9	NM_004994.2	100.0
MMRN1	NM_007351.2	100.0
MMRN2	NM_024756.2	99.7
MMS19	NM_022362.4	100.0
MMS22L	NM_198468.2	100.0
MN1	NM_002430.2	100.0
MND1	NM_032117.3	100.0
MNDA	NM_002432.1	100.0
MNF1	NM_032340.3	100.0
MNS1	NM_018365.2	100.0
MNT	NM_020310.2	100.0
MNX1	NM_005515.3	73.5
MOAP1	NM_022151.4	100.0
MOB1A	NM_018221.3	100.0
MOB1B	NM_173468.3	100.0
MOB2	NM_053005.4	100.0
MOB3A	NM_130807.2	100.0
MOB3B	NM_024761.4	100.0
MOB3C	NM_145279.4	100.0
MOB4	NM_015387.4	100.0
MOBP	NM_182935.3	100.0
MOCOS	NM_017947.2	100.0
MOCS1	NM_005943.5	100.0
MOCS2	NM_176806.3	100.0
MOCS3	NM_014484.4	100.0
MOG	NM_206809.3	100.0
MOGAT1	NM_058165.2	100.0

MOGAT2	NM_025098.2	100.0
MOGAT3	NM_178176.2	100.0
MOGS	NM_006302.2	100.0
MOK	NM_014226.2	100.0
MON1A	NM_032355.3	100.0
MON1B	NM_014940.2	100.0
MON2	NM_015026.2	100.0
MORC1	NM_014429.3	100.0
MORC2	NM_014941.1	100.0
MORC3	NM_015358.2	100.0
MORC4	NM_024657.4	98.6
MORF4L1	NM_006791.3	100.0
MORF4L2	NM_012286.2	100.0
MORN1	NM_024848.1	100.0
MORN2	NM_001145450.1	100.0
MORN3	NM_173855.4	100.0
MORN4	NM_178832.3	100.0
MORN5	NM_198469.2	100.0
MOS	NM_005372.1	100.0
MOSPD1	NM_019556.1	99.9
MOSPD2	NM_152581.3	100.0
MOSPD3	NM_023948.4	100.0
MOV10	NM_001130079.1	100.0
MOV10L1	NM_018995.2	100.0
MOXD1	NM_015529.2	100.0
MPC1	NM_016098.3	100.0
MPC1L	NM_001195522.1	100.0
MPC2	NM_015415.3	100.0
MPDU1	NM_004870.3	100.0
MPDZ	NM_003829.4	100.0
MPEG1	NM_001039396.1	100.0
MPG	NM_002434.3	100.0
MPHOSPH10	NM_005791.2	100.0
MPHOSPH6	NM_005792.2	100.0
MPHOSPH8	NM_017520.3	100.0
MPHOSPH9	NM_022782.3	100.0
MPI	NM_002435.1	100.0
MPL	NM_005373.2	100.0
MPLKIP	NM_138701.3	100.0
MPND	NM_032868.4	99.1

MPO	NM_000250.1	100.0
MPP1	NM_002436.3	100.0
MPP2	NM_005374.4	100.0
MPP3	NM_001932.4	100.0
MPP4	NM_033066.2	100.0
MPP5	NM_022474.3	100.0
MPP6	NM_016447.2	100.0
MPP7	NM_173496.3	100.0
MPPE1	NM_023075.5	100.0
MPPED1	NM_001044370.1	100.0
MPPED2	NM_001584.2	100.0
MPRIP	NM_015134.3	100.0
MPST	NM_021126.5	100.0
MPV17	NM_002437.4	100.0
MPV17L	NM_173803.3	99.3
MPV17L2	NM_032683.2	100.0
MPZ	NM_000530.6	100.0
MPZL1	NM_003953.5	100.0
MPZL2	NM_005797.3	100.0
MPZL3	NM_198275.1	100.0
MR1	NM_001194999.1	100.0
MRAP	NM_178817.3	100.0
MRAP2	NM_138409.2	100.0
MRAS	NM_012219.4	100.0
MRC1	NM_002438.3	97.9
MRC2	NM_006039.4	100.0
MRE11A	NM_005591.3	100.0
MREG	NM_018000.2	100.0
MRFAP1	NM_033296.2	100.0
MRFAP1L1	NM_203462.2	100.0
MRGBP	NM_018270.4	100.0
MRGPRD	NM_198923.2	100.0
MRGPRE	NM_001039165.2	100.0
MRGPRF	NM_145015.4	100.0
MRGPRG	NM_001164377.1	99.9
MRGPRX1	NM_147199.3	100.0
MRGPRX2	NM_054030.2	100.0
MRGPRX3	NM_054031.3	100.0
MRGPRX4	NM_054032.3	100.0
MRI1	NM_001031727.2	99.7

MRM1	NM_024864.3	100.0
MRO	NM_031939.3	100.0
MROH1	NM_032450.2	100.0
MROH2A	XM_291007.11	100.0
MROH2B	NM_173489.4	100.0
MROH5	NM_207414.2	100.0
MROH6	NM_001100878.1	98.6
MROH7	NM_001039464.2	100.0
MROH8	NM_152503.4	100.0
MROH9	NM_025063.2	100.0
MRP63	NM_024026.4	100.0
MRPL1	NM_020236.3	100.0
MRPL10	NM_145255.3	100.0
MRPL11	NM_016050.3	100.0
MRPL12	NM_002949.3	100.0
MRPL13	NM_014078.5	100.0
MRPL14	NM_032111.2	100.0
MRPL15	NM_014175.3	100.0
MRPL16	NM_017840.3	100.0
MRPL17	NM_022061.3	100.0
MRPL18	NM_014161.3	99.8
MRPL19	NM_014763.3	100.0
MRPL2	NM_015950.3	100.0
MRPL20	NM_017971.3	100.0
MRPL21	NM_181514.1	100.0
MRPL22	NM_014180.3	100.0
MRPL23	NM_021134.3	100.0
MRPL24	NM_024540.3	100.0
MRPL27	NM_016504.2	100.0
MRPL28	NM_006428.4	100.0
MRPL3	NM_007208.3	100.0
MRPL30	NM_145212.3	100.0
MRPL32	NM_031903.2	100.0
MRPL33	NM_004891.3	100.0
MRPL34	NM_023937.3	99.6
MRPL35	NM_016622.3	100.0
MRPL36	NM_032479.3	100.0
MRPL37	NM_016491.3	100.0
MRPL38	NM_032478.3	100.0
MRPL39	NM_017446.3	100.0

MRPL4	NM_015956.2	100.0
MRPL40	NM_003776.2	100.0
MRPL41	NM_032477.2	100.0
MRPL42	NM_014050.3	100.0
MRPL43	NM_032112.2	100.0
MRPL44	NM_022915.3	100.0
MRPL45	NM_032351.4	100.0
MRPL46	NM_022163.3	100.0
MRPL47	NM_020409.2	100.0
MRPL48	NM_016055.5	100.0
MRPL49	NM_004927.3	100.0
MRPL50	NM_019051.2	100.0
MRPL51	NM_016497.3	100.0
MRPL52	NM_178336.2	100.0
MRPL53	NM_053050.4	100.0
MRPL54	NM_172251.2	100.0
MRPL55	NM_181441.2	100.0
MRPL9	NM_031420.2	100.0
MRPS10	NM_018141.3	100.0
MRPS11	NM_022839.3	100.0
MRPS12	NM_021107.1	100.0
MRPS14	NM_022100.2	100.0
MRPS15	NM_031280.3	100.0
MRPS16	NM_016065.3	100.0
MRPS17	NM_015969.2	100.0
MRPS18A	NM_018135.3	100.0
MRPS18B	NM_014046.3	100.0
MRPS18C	NM_016067.2	100.0
MRPS2	NM_016034.4	100.0
MRPS21	NM_018997.3	100.0
MRPS22	NM_020191.2	100.0
MRPS23	NM_016070.3	100.0
MRPS24	NM_032014.2	100.0
MRPS25	NM_022497.3	100.0
MRPS26	NM_030811.3	99.8
MRPS27	NM_015084.2	100.0
MRPS28	NM_014018.2	100.0
MRPS30	NM_016640.3	100.0
MRPS31	NM_005830.3	100.0
MRPS33	NM_016071.3	100.0

MRPS34	NM_023936.1	99.9
MRPS35	NM_021821.3	100.0
MRPS36	NM_033281.5	100.0
MRPS5	NM_031902.3	100.0
MRPS6	NM_032476.3	100.0
MRPS7	NM_015971.3	100.0
MRPS9	NM_182640.2	100.0
MRRF	NM_138777.3	100.0
MRS2	NM_020662.2	100.0
MRT04	NM_016183.3	100.0
MRVI1	NM_130385.3	100.0
MS4A1	NM_152866.2	100.0
MS4A10	NM_206893.3	100.0
MS4A12	NM_017716.2	100.0
MS4A13	NM_001012417.2	100.0
MS4A14	NM_032597.4	100.0
MS4A15	NM_152717.2	100.0
MS4A2	NM_000139.4	100.0
MS4A3	NM_006138.4	100.0
MS4A4A	NM_024021.3	100.0
MS4A4E	XM_003119183.2	100.0
MS4A5	NM_023945.2	100.0
MS4A6A	NM_152851.2	100.0
MS4A6E	NM_139249.2	100.0
MS4A7	NM_021201.4	100.0
MS4A8	NM_031457.1	100.0
MSANTD1	NM_001042690.1	100.0
MSANTD2	NM_024631.2	98.7
MSANTD3	NM_080655.2	100.0
MSANTD3-TMEFF1	NM_001198812.1	100.0
MSANTD4	NM_032424.1	100.0
MSC	NM_005098.3	100.0
MSGN1	NM_001105569.1	100.0
MSH2	NM_000251.2	100.0
MSH3	NM_002439.4	99.8
MSH4	NM_002440.3	100.0
MSH5	NM_025259.5	100.0
MSH6	NM_000179.2	100.0
MSI1	NM_002442.3	99.2
MSI2	NM_138962.2	100.0

MSL1	NM_001012241.1	100.0
MSL2	NM_018133.3	100.0
MSL3	NM_006800.3	100.0
MSLN	NM_005823.5	100.0
MSMB	NM_002443.3	100.0
MSMO1	NM_006745.4	100.0
MSMP	NM_001044264.2	100.0
MSN	NM_002444.2	100.0
MSR1	NM_138715.2	100.0
MSRA	NM_012331.3	100.0
MSRB1	NM_016332.2	100.0
MSRB2	NM_012228.3	97.9
MSRB3	NM_198080.3	100.0
MSS51	NM_001024593.1	100.0
MST1	NM_020998.3	100.0
MST1L	NM_001271733.1	100.0
MST1R	NM_002447.2	100.0
MST4	NM_016542.3	100.0
MSTN	NM_005259.2	100.0
MSTO1	NM_018116.3	100.0
MSX1	NM_002448.3	99.0
MSX2	NM_002449.4	100.0
MT1A	NM_005946.2	100.0
MT1B	NM_005947.2	100.0
MT1E	NM_175617.3	100.0
MT1F	NM_005949.3	100.0
MT1G	NM_005950.1	100.0
MT1H	NM_005951.2	100.0
MT1M	NM_176870.2	100.0
MT1X	NM_005952.3	100.0
MT2A	NM_005953.3	100.0
MT3	NM_005954.2	100.0
MT4	NM_032935.2	100.0
MTA1	NM_004689.3	100.0
MTA2	NM_004739.3	100.0
MTAP	NM_002451.3	100.0
MTBP	NM_022045.4	100.0
MTCH1	NM_014341.2	99.4
MTCH2	NM_014342.3	100.0
MTCP1	NM_001018025.3	100.0

MTDH	NM_178812.3	99.7
MTERF	NM_006980.3	100.0
MTERFD1	NM_015942.3	100.0
MTERFD2	NM_182501.3	100.0
MTERFD3	NM_025198.4	100.0
MTF1	NM_005955.2	100.0
MTF2	NM_007358.3	100.0
MTFMT	NM_139242.3	100.0
MTFP1	NM_016498.4	100.0
MTFR1	NM_014637.3	100.0
MTFR1L	NM_019557.5	100.0
MTFR2	NM_138419.3	100.0
MTG1	NM_138384.2	100.0
MTG2	NM_015666.3	100.0
MTHFD1	NM_005956.3	100.0
MTHFD1L	NM_015440.4	98.7
MTHFD2	NM_006636.3	100.0
MTHFD2L	NM_001144978.1	100.0
MTHFR	NM_005957.4	100.0
MTHFS	NM_006441.3	100.0
MTHFSD	NM_022764.2	100.0
MTIF2	NM_002453.2	100.0
MTIF3	NM_152912.4	100.0
MTL5	NM_004923.3	100.0
MTM1	NM_000252.2	100.0
MTMR1	NM_003828.2	94.9
MTMR10	NM_017762.2	100.0
MTMR11	NM_181873.3	100.0
MTMR12	NM_001040446.1	100.0
MTMR14	NM_022485.4	100.0
MTMR2	NM_016156.5	100.0
MTMR3	NM_021090.3	100.0
MTMR4	NM_004687.4	100.0
MTMR6	NM_004685.3	100.0
MTMR7	NM_004686.4	100.0
MTMR8	NM_017677.3	100.0
MTMR9	NM_015458.3	100.0
MTNR1A	NM_005958.3	100.0
MTNR1B	NM_005959.3	100.0
MTO1	NM_012123.3	100.0

MTOR	NM_004958.3	100.0
MTPAP	NM_018109.3	100.0
MTPN	NM_145808.3	100.0
MTR	NM_000254.2	100.0
MTRF1	NM_004294.2	100.0
MTRF1L	NM_019041.5	100.0
MTRNR2L10	NM_001190708.1	100.0
MTRNR2L2	NM_001190470.1	100.0
MTRR	NM_002454.2	100.0
MTSS1	NM_014751.4	100.0
MTSS1L	NM_138383.2	100.0
MTTP	NM_000253.2	100.0
MTUS2	NM_015233.5	100.0
MTX1	NM_002455.3	100.0
MTX2	NM_006554.4	100.0
MTX3	NM_001010891.4	100.0
MUC1***	NM_002456.5	100.0
MUC12	NM_001164462.1	99.6
MUC13	NM_033049.3	100.0
MUC15	NM_145650.3	100.0
MUC16	NM_024690.2	100.0
MUC17	NM_001040105.1	100.0
MUC19	XM_003846356.2	99.4
MUC2	NM_002457.2	100.0
MUC20	NM_152673.2	100.0
MUC21	NM_001010909.2	100.0
MUC22	NM_001198815.1	99.8
MUC4	NM_004532.5	100.0
MUC5AC	XM_003403450.4	71.9
MUC5B	NM_002458.2	100.0
MUC6	NM_005961.2	100.0
MUC7	NM_152291.2	100.0
MUCL1	NM_058173.2	100.0
MUL1	NM_024544.2	100.0
MUM1	NM_032853.3	100.0
MUM1L1	NM_152423.4	100.0
MURC	NM_001018116.2	100.0
MUS81	NM_025128.4	100.0
MUSK	NM_005592.3	100.0
MUSTN1	NM_205853.3	100.0

MUT	NM_000255.3	100.0
MUTYH	NM_001128425.1	100.0
MVB12A	NM_138401.2	100.0
MVB12B	NM_033446.2	100.0
MVD	NM_002461.1	100.0
MVK	NM_000431.2	100.0
MVP	NM_005115.4	100.0
MX1	NM_002462.3	100.0
MX2	NM_002463.1	100.0
MXD1	NM_002357.3	100.0
MXD3	NM_031300.3	100.0
MXD4	NM_006454.2	100.0
MXI1	NM_005962.4	100.0
MXRA5	NM_015419.3	100.0
MXRA7	NM_198530.2	77.2
MXRA8	NM_032348.2	99.7
MYADM	NM_138373.3	100.0
MYADML2	NM_001145113.2	100.0
MYB	NM_001130173.1	99.8
MYBBP1A	NM_001105538.1	100.0
MYBL1	NM_001080416.2	100.0
MYBL2	NM_002466.3	100.0
MYBPC1	NM_002465.3	100.0
MYBPC2	NM_004533.3	100.0
MYBPC3	NM_000256.3	100.0
MYBPH	NM_004997.2	100.0
MYBPHL	NM_001010985.2	100.0
MYC	NM_002467.4	100.0
MYCBP	NM_012333.4	100.0
MYCBP2	NM_015057.4	100.0
MYCBPAP	NM_032133.4	100.0
MYCL	NM_001033082.2	100.0
MYCN	NM_005378.4	95.5
MYCT1	NM_025107.2	100.0
MYD88	NM_002468.4	100.0
MYEF2	NM_016132.3	100.0
MYEOV	NM_138768.2	100.0
MYEOV2	NM_138336.1	100.0
MYF5	NM_005593.2	100.0
MYF6	NM_002469.2	100.0

MYH1	NM_005963.3	100.0
MYH10	NM_001256012.1	100.0
MYH11	NM_002474.2	100.0
MYH13	NM_003802.2	100.0
MYH14	NM_024729.3	100.0
MYH15	NM_014981.1	100.0
MYH2	NM_017534.5	100.0
MYH3	NM_002470.3	100.0
MYH4	NM_017533.2	100.0
MYH6	NM_002471.3	100.0
MYH7	NM_000257.2	100.0
MYH7B	NM_020884.3	100.0
MYH8	NM_002472.2	100.0
MYH9	NM_002473.4	100.0
MYL1	NM_079420.2	100.0
MYL10	NM_138403.4	76.7
MYL12A	NM_006471.2	100.0
MYL12B	NM_033546.3	100.0
MYL2	NM_000432.3	100.0
MYL3	NM_000258.2	100.0
MYL4	NM_002476.2	100.0
MYL5	NM_002477.1	100.0
MYL6	NM_021019.4	100.0
MYL6B	NM_002475.4	100.0
MYL7	NM_021223.2	100.0
MYL9	NM_006097.4	100.0
MYLIP	NM_013262.3	100.0
MYLK	NM_053025.3	100.0
MYLK2	NM_033118.3	100.0
MYLK3	NM_182493.2	100.0
MYLK4	NM_001012418.3	100.0
MYLPF	NM_013292.3	100.0
MYNN	NM_018657.4	100.0
MYO10	NM_012334.2	100.0
MYO15A	NM_016239.3	99.0
MYO16	NM_015011.1	99.7
MYO18A	NM_078471.3	100.0
MYO18B	NM_032608.5	100.0
MYO19	NM_025109.5	100.0
MYO1A	NM_005379.3	100.0

MYO1B	NM_012223.3	100.0
MYO1C	NM_033375.4	100.0
MYO1D	NM_015194.1	100.0
MYO1E	NM_004998.3	100.0
MYO1F	NM_012335.3	100.0
MYO1G	NM_033054.2	100.0
MYO1H	NM_001101421.3	100.0
MYO3A	NM_017433.4	100.0
MYO3B	NM_138995.4	100.0
MYO5A	NM_000259.3	100.0
MYO5B	NM_001080467.2	100.0
MYO5C	NM_018728.3	100.0
MYO6	NM_004999.3	100.0
MYO7A	NM_000260.3	100.0
MYO7B	NM_001080527.1	100.0
MYO9A	NM_006901.3	100.0
MYO9B	NM_004145.3	100.0
MYOC	NM_000261.1	100.0
MYOCD	NM_001146312.1	100.0
MYOD1	NM_002478.4	100.0
MYOF	NM_013451.3	100.0
MYOG	NM_002479.5	100.0
MYOM1	NM_003803.3	100.0
MYOM2	NM_003970.2	100.0
MYOM3	NM_152372.3	100.0
MYOT	NM_006790.2	100.0
MYOZ1	NM_021245.3	100.0
MYOZ2	NM_016599.4	100.0
MYOZ3	NM_133371.4	100.0
MYPN	NM_032578.3	100.0
MYPOP	NM_001012643.2	99.9
MYRF	NM_013279.2	100.0
MYRFL	XM_001718908.4	100.0
MYRIP	NM_015460.2	100.0
MYSM1	NM_001085487.2	100.0
MYT1	NM_004535.2	100.0
MYT1L	NM_015025.2	100.0
MYZAP	NM_152451.6	100.0
MZB1	NM_016459.3	100.0
MZF1	NM_003422.2	100.0

MZT1	NM_001071775.2	100.0
MZT2A	NM_001085365.1	99.8
MZT2B	NM_025029.3	98.9
N4BP1	NM_153029.3	100.0
N4BP2	NM_018177.4	100.0
N4BP2L1	NM_052818.2	100.0
N4BP2L2	NM_033111.4	100.0
N4BP3	NM_015111.1	100.0
N6AMT1	NM_013240.4	100.0
N6AMT2	NM_174928.1	100.0
NAA10	NM_003491.3	99.9
NAA11	NM_032693.2	100.0
NAA15	NM_057175.3	100.0
NAA16	NM_018527.3	100.0
NAA20	NM_016100.4	100.0
NAA25	NM_024953.3	100.0
NAA30	NM_001011713.2	100.0
NAA35	NM_024635.3	100.0
NAA38	NM_016200.4	100.0
NAA40	NM_024771.2	100.0
NAA50	NM_025146.2	100.0
NAA60	NM_024845.2	100.0
NAAA	NM_014435.3	100.0
NAALAD2	NM_005467.3	100.0
NAALADL1	NM_005468.2	100.0
NAALADL2	NM_207015.2	100.0
NAB1	NM_005966.3	100.0
NAB2	NM_005967.3	100.0
NABP1	NM_001031716.2	100.0
NABP2	NM_024068.3	100.0
NACA	NM_001113202.1	100.0
NACA2	NM_199290.3	100.0
NACAD	NM_001146334.1	100.0
NACC1	NM_052876.3	100.0
NACC2	NM_144653.4	99.9
NADK	NM_023018.4	100.0
NADK2	NM_001085411.1	96.4
NADSYN1	NM_018161.4	100.0
NAE1	NM_003905.3	100.0
NAF1	NM_138386.2	100.0

NAGA	NM_000262.2	100.0
NAGK	NM_017567.4	100.0
NAGLU	NM_000263.3	96.8
NAGPA	NM_016256.3	99.6
NAGS	NM_153006.2	99.8
NAIF1	NM_197956.3	100.0
NAIP	NM_004536.2	99.5
NALCN	NM_052867.2	100.0
NAMPT	NM_005746.2	100.0
NANOG	NM_024865.2	100.0
NANOGB	NM_001145465.1	82.0
NANOS1	NM_199461.2	83.2
NANOS2	NM_001029861.2	100.0
NANOS3	NM_001098622.2	100.0
NANP	NM_152667.2	100.0
NANS	NM_018946.3	100.0
NAP1L1	NM_004537.4	100.0
NAP1L2	NM_021963.3	100.0
NAP1L3	NM_004538.5	100.0
NAP1L4	NM_005969.3	100.0
NAP1L5	NM_153757.2	100.0
NAPA	NM_003827.3	100.0
NAPB	NM_022080.2	100.0
NAPEPLD	NM_198990.4	100.0
NAPG	NM_003826.2	100.0
NAPRT1	NM_145201.4	100.0
NAPSA	NM_004851.1	100.0
NARF	NM_012336.3	100.0
NARFL	NM_022493.1	100.0
NARR	NM_001256281.1	100.0
NARS	NM_004539.3	100.0
NARS2	NM_024678.5	100.0
NASP	NM_002482.3	100.0
NAT1	NM_000662.5	100.0
NAT10	NM_024662.2	100.0
NAT14	NM_020378.3	100.0
NAT16	NM_198571.2	100.0
NAT2	NM_000015.2	100.0
NAT6	NM_012191.3	100.0
NAT8	NM_003960.3	100.0

NAT8B	NM_016347.2	100.0
NAT8L	NM_178557.3	90.6
NAT9	NM_015654.3	100.0
NAV1	NM_020443.4	100.0
NAV2	NM_145117.4	100.0
NAV3	NM_014903.4	100.0
NBAS	NM_015909.3	100.0
NBEA	NM_015678.4	100.0
NBEAL1	NM_001114132.1	100.0
NBEAL2	NM_015175.2	100.0
NBL1	NM_005380.7	100.0
NBN	NM_002485.4	100.0
NBPF10	NM_001039703.5	98.3
NBPF14	XM_005272988.1	99.5
NBPF3	NM_032264.4	99.2
NBPF4	NM_001143989.2	100.0
NBPF6	NM_001143987.1	99.9
NBPF7	NM_001047980.2	100.0
NBPF8	XM_005272560.1	100.0
NBPF9	NM_001037675.3	100.0
NBR1	NM_005899.3	100.0
NCALD	NM_001040624.1	100.0
NCAM1	NM_000615.6	100.0
NCAM2	NM_004540.3	100.0
NCAN	NM_004386.2	99.8
NCAPD2	NM_014865.3	100.0
NCAPD3	NM_015261.2	100.0
NCAPG	NM_022346.4	100.0
NCAPH	NM_015341.4	100.0
NCAPH2	NM_014551.4	100.0
NCBP1	NM_002486.4	100.0
NCBP2	NM_007362.3	100.0
NCCRP1	NM_001001414.1	100.0
NCDN	NM_014284.2	100.0
NCEH1	NM_020792.4	100.0
NCF1	NM_000265.5	99.9
NCF2	NM_000433.3	100.0
NCF4	NM_013416.3	100.0
NCK1	NM_006153.4	100.0
NCK2	NM_003581.4	100.0

NCKAP1	NM_205842.2	100.0
NCKAP1L	NM_005337.4	100.0
NCKAP5	NM_207363.2	100.0
NCKAP5L	NM_001037806.3	100.0
NCKIPSD	NM_016453.3	100.0
NCL	NM_005381.2	100.0
NCLN	NM_020170.3	100.0
NCMAP	NM_001010980.4	100.0
NCOA1	NM_003743.4	100.0
NCOA2	NM_006540.2	100.0
NCOA3	NM_181659.2	100.0
NCOA4	NM_005437.3	100.0
NCOA5	NM_020967.2	100.0
NCOA6	NM_014071.3	100.0
NCOA7	NM_181782.4	100.0
NCOR1	NM_006311.3	100.0
NCOR2	NM_006312.5	100.0
NCR1	NM_004829.6	100.0
NCR2	NM_004828.3	100.0
NCR3	NM_147130.2	100.0
NCR3LG1	NM_001202439.1	100.0
NCS1	NM_014286.3	100.0
NCSTN	NM_015331.2	100.0
NDC1	NM_018087.4	100.0
NDC80	NM_006101.2	100.0
NDE1	NM_001143979.1	100.0
NDEL1	NM_030808.4	100.0
NDFIP1	NM_030571.3	100.0
NDFIP2	NM_019080.2	100.0
NDN	NM_002487.2	100.0
NDNF	NM_024574.3	100.0
NDNL2	NM_138704.3	100.0
NDOR1	NM_014434.2	100.0
NDP	NM_000266.3	100.0
NDRG1	NM_006096.3	100.0
NDRG2	NM_016250.2	100.0
NDRG3	NM_022477.3	100.0
NDRG4	NM_001130487.1	100.0
NDST1	NM_001543.4	100.0
NDST2	NM_003635.3	100.0

NDST3	NM_004784.2	100.0
NDST4	NM_022569.1	100.0
NDUFA1	NM_004541.3	100.0
NDUFA10	NM_004544.3	100.0
NDUFA11	NM_175614.4	100.0
NDUFA12	NM_018838.4	100.0
NDUFA13	NM_015965.6	100.0
NDUFA2	NM_002488.4	100.0
NDUFA3	NM_004542.3	100.0
NDUFA4	NM_002489.3	100.0
NDUFA4L2	NM_020142.3	100.0
NDUFA5	NM_005000.2	100.0
NDUFA6	NM_002490.3	100.0
NDUFA7	NM_005001.3	100.0
NDUFA8	NM_014222.2	100.0
NDUFA9	NM_005002.4	100.0
NDUFAB1	NM_005003.2	100.0
NDUFAF1	NM_016013.3	100.0
NDUFAF2	NM_174889.4	100.0
NDUFAF3	NM_199069.1	100.0
NDUFAF4	NM_014165.3	100.0
NDUFAF5	NM_024120.4	100.0
NDUFAF6	NM_152416.3	99.8
NDUFAF7	NM_001083946.1	100.0
NDUFB1	NM_004545.3	100.0
NDUFB10	NM_004548.2	100.0
NDUFB11	NM_019056.6	99.9
NDUFB2	NM_004546.2	100.0
NDUFB3	NM_002491.2	100.0
NDUFB4	NM_004547.5	100.0
NDUFB5	NM_002492.3	100.0
NDUFB6	NM_002493.4	100.0
NDUFB7	NM_004146.5	100.0
NDUFB8	NM_005004.2	100.0
NDUFB9	NM_005005.2	100.0
NDUFC1	NM_002494.3	100.0
NDUFC2	NM_004549.5	100.0
NDUFC2-KCTD14	NM_001203260.1	100.0
NDUFS1	NM_005006.6	100.0
NDUFS2	NM_004550.4	100.0

NDUFS3	NM_004551.2	100.0
NDUFS4	NM_002495.2	100.0
NDUFS5	NM_004552.2	100.0
NDUFS6	NM_004553.4	100.0
NDUFS7	NM_024407.4	100.0
NDUFS8	NM_002496.3	100.0
NDUFV1	NM_007103.3	100.0
NDUFV2	NM_021074.4	100.0
NDUFV3	NM_021075.3	100.0
NEB	NM_001271208.1	99.9
NEBL	NM_006393.2	100.0
NECAB1	NM_022351.4	100.0
NECAB2	NM_019065.2	91.9
NECAB3	NM_031231.3	99.1
NECAP1	NM_015509.3	100.0
NECAP2	NM_018090.4	100.0
NEDD1	NM_152905.3	100.0
NEDD4	NM_006154.2	100.0
NEDD4L	NM_015277.5	100.0
NEDD8	NM_006156.2	100.0
NEDD8-MDP1	NM_001199823.1	100.0
NEDD9	NM_001142393.1	100.0
NEFH	NM_021076.3	97.3
NEFL	NM_006158.4	100.0
NEFM	NM_005382.2	100.0
NEGR1	NM_173808.2	100.0
NEIL1	NM_024608.3	100.0
NEIL2	NM_145043.2	100.0
NEIL3	NM_018248.2	100.0
NEK1	NM_012224.2	100.0
NEK10	NM_199347.2	100.0
NEK11	NM_024800.4	100.0
NEK2	NM_002497.3	100.0
NEK3	NM_001146099.1	100.0
NEK4	NM_003157.4	94.5
NEK5	NM_199289.1	96.5
NEK6	NM_014397.5	100.0
NEK7	NM_133494.2	100.0
NEK8	NM_178170.2	100.0
NEK9	NM_033116.4	100.0

NELFB	NM_015456.3	100.0
NELFCD	NM_198976.2	99.9
NELFE	NM_002904.5	100.0
NELL1	NM_006157.3	100.0
NELL2	NM_006159.2	100.0
NEMF	NM_004713.3	100.0
NENF	NM_013349.4	91.7
NEO1	NM_002499.3	99.9
NES	NM_006617.1	99.9
NET1	NM_005863.4	100.0
NETO1	NM_138966.3	100.0
NETO2	NM_018092.4	100.0
NEU1	NM_000434.3	100.0
NEU2	NM_005383.2	100.0
NEU3	NM_006656.5	100.0
NEU4	NM_080741.2	100.0
NEURL	NM_004210.4	95.1
NEURL1B	NM_001142651.1	94.2
NEURL2	NM_080749.3	100.0
NEURL4	NM_032442.2	100.0
NEUROD1	NM_002500.4	100.0
NEUROD2	NM_006160.3	97.4
NEUROD4	NM_021191.2	100.0
NEUROD6	NM_022728.3	100.0
NEUROG1	NM_006161.2	100.0
NEUROG2	NM_024019.3	99.7
NEUROG3	NM_020999.3	100.0
NEXN	NM_144573.3	100.0
NF1	NM_000267.3	100.0
NF2	NM_000268.3	100.0
NFAM1	NM_145912.5	100.0
NFASC	NM_015090.3	100.0
NFAT5	NM_138714.3	100.0
NFATC1	NM_006162.4	100.0
NFATC2IP	NM_032815.3	100.0
NFATC3	NM_004555.3	100.0
NFATC4	NM_004554.4	100.0
NFE2	NM_006163.2	100.0
NFE2L1	NM_003204.2	100.0
NFE2L2	NM_006164.4	100.0

NFE2L3	NM_004289.6	98.9
NFE4	NM_001085386.1	99.6
NFIA	NM_005595.4	100.0
NFIB	NM_001190737.1	100.0
NFIC	NM_005597.3	100.0
NFIL3	NM_005384.2	100.0
NFIX	NM_001271043.1	100.0
NFKB1	NM_003998.3	100.0
NFKB2	NM_001077494.2	100.0
NFKBIA	NM_020529.2	100.0
NFKBIB	NM_002503.4	100.0
NFKBID	NM_139239.1	100.0
NFKBIE	NM_004556.2	100.0
NFKBIL1	NM_005007.3	100.0
NFKBIZ	NM_031419.3	99.8
NFRKB	NM_006165.3	100.0
NFS1	NM_021100.4	100.0
NFU1	NM_001002755.2	100.0
NFX1	NM_002504.4	100.0
NFXL1	NM_152995.5	100.0
NFYA	NM_002505.4	100.0
NFYB	NM_006166.3	100.0
NFYC	NM_014223.4	100.0
NGB	NM_021257.3	100.0
NGDN	NM_015514.1	100.0
NGEF	NM_019850.2	100.0
NGF	NM_002506.2	100.0
NGFR	NM_002507.3	100.0
NGFRAP1	NM_206915.1	100.0
NGLY1	NM_018297.3	100.0
NGRN	NM_001033088.1	100.0
NHEJ1	NM_024782.2	100.0
NHLH1	NM_005598.3	100.0
NHLH2	NM_005599.3	100.0
NHLRC1	NM_198586.2	100.0
NHLRC2	NM_198514.3	100.0
NHLRC3	NM_001012754.3	100.0
NHLRC4	NM_176677.1	99.9
NHP2	NM_017838.3	100.0
NHP2L1	NM_005008.3	100.0

NHS	NM_198270.2	98.6
NHSL1	NM_020464.1	100.0
NHSL2	NM_001013627.2	99.6
NICN1	NM_032316.3	100.0
NID1	NM_002508.2	100.0
NID2	NM_007361.3	100.0
NIF3L1	NM_021824.3	100.0
NIM1	NM_153361.3	100.0
NIN	NM_020921.3	100.0
NINJ1	NM_004148.3	100.0
NINJ2	NM_016533.4	100.0
NINL	NM_025176.4	100.0
NIP7	NM_016101.4	100.0
NIPA1	NM_144599.4	95.6
NIPA2	NM_001184889.1	100.0
NIPAL1	NM_207330.1	100.0
NIPAL2	NM_024759.1	100.0
NIPAL3	NM_020448.4	100.0
NIPAL4	NM_001099287.1	100.0
NIPBL	NM_133433.3	100.0
NIPSNAP1	NM_003634.3	100.0
NIPSNAP3A	NM_015469.1	100.0
NIPSNAP3B	NM_018376.2	100.0
NISCH	NM_007184.3	100.0
NIT1	NM_005600.2	100.0
NIT2	NM_020202.4	100.0
NKAIN1	NM_024522.2	100.0
NKAIN2	NM_001040214.1	100.0
NKAIN3	NM_173688.2	100.0
NKAIN4	NM_152864.3	100.0
NKAP	NM_024528.3	100.0
NKAPL	NM_001007531.2	100.0
NKD1	NM_033119.4	100.0
NKD2	NM_033120.3	99.9
NKG7	NM_005601.3	100.0
NKIRAS1	NM_020345.3	100.0
NKIRAS2	NM_017595.5	100.0
NKPD1	NM_198478.3	100.0
NKRF	NM_017544.3	100.0
NKTR	NM_005385.3	100.0

NKX1-2	NM_001146340.1	98.0
NKX2-1	NM_001079668.2	97.3
NKX2-2	NM_002509.3	100.0
NKX2-3	NM_145285.2	85.7
NKX2-4	NM_033176.1	91.9
NKX2-5	NM_004387.3	100.0
NKX2-6	NM_001136271.2	100.0
NKX2-8	NM_014360.2	98.5
NKX3-1	NM_006167.3	100.0
NKX3-2	NM_001189.3	99.5
NKX6-1	NM_006168.2	99.4
NKX6-2	NM_177400.2	99.0
NKX6-3	NM_152568.2	100.0
NLE1	NM_018096.3	100.0
NLGN1	NM_014932.3	100.0
NLGN2	NM_020795.3	99.8
NLGN3	NM_018977.3	100.0
NLGN4X	NM_020742.2	100.0
NLGN4Y*	NM_014893.4	100.0
NLK	NM_016231.4	100.0
NLN	NM_020726.4	100.0
NLRC3	NM_178844.2	100.0
NLRC4	NM_021209.4	100.0
NLRC5	NM_032206.4	100.0
NLRP1	NM_033004.3	100.0
NLRP10	NM_176821.3	100.0
NLRP11	NM_145007.3	100.0
NLRP12	NM_144687.3	100.0
NLRP13	NM_176810.2	100.0
NLRP14	NM_176822.3	100.0
NLRP2	NM_017852.3	100.0
NLRP3	NM_004895.4	100.0
NLRP4	NM_134444.4	100.0
NLRP5	NM_153447.4	100.0
NLRP6	NM_138329.2	99.5
NLRP7	NM_206828.3	100.0
NLRP8	NM_176811.2	100.0
NLRP9	NM_176820.2	100.0
NLRX1	NM_024618.2	100.0
NMB	NM_205858.1	100.0

NMBR	NM_002511.2	100.0
NMD3	NM_015938.3	100.0
NME1	NM_000269.2	100.0
NME1-NME2	NM_001018136.2	100.0
NME2	NM_002512.3	100.0
NME3	NM_002513.2	100.0
NME4	NM_005009.2	94.4
NME5	NM_003551.2	100.0
NME6	NM_005793.3	100.0
NME7	NM_013330.3	100.0
NME8	NM_016616.4	100.0
NME9	NM_178130.2	100.0
NMI	NM_004688.2	100.0
NMNAT1	NM_022787.3	100.0
NMNAT2	NM_015039.3	100.0
NMNAT3	NM_178177.3	100.0
NMRAL1	NM_020677.3	100.0
NMRK1	NM_017881.2	100.0
NMRK2	NM_170678.2	100.0
NMS	NM_001011717.1	100.0
NMT1	NM_021079.3	100.0
NMT2	NM_004808.2	100.0
NMU	NM_006681.2	100.0
NMUR1	NM_006056.4	100.0
NMUR2	NM_020167.4	100.0
NNAT	NM_005386.2	100.0
NNMT	NM_006169.2	100.0
NNT	NM_012343.3	100.0
NOA1	NM_032313.2	100.0
NOB1	NM_014062.2	100.0
NOBOX	NM_001080413.3	100.0
NOC2L	NM_015658.3	100.0
NOC3L	NM_022451.9	100.0
NOC4L	NM_024078.1	100.0
NOD1	NM_006092.2	100.0
NOD2	NM_022162.1	100.0
NODAL	NM_018055.4	100.0
NOG	NM_005450.4	100.0
NOL10	NM_024894.3	100.0
NOL11	NM_015462.3	100.0

NOL12	NM_024313.2	100.0
NOL4	NM_003787.4	100.0
NOL6	NM_022917.4	100.0
NOL7	NM_016167.3	100.0
NOL8	NM_017948.5	100.0
NOL9	NM_024654.4	100.0
NOLC1	NM_004741.3	100.0
NOM1	NM_138400.1	100.0
NOMO1	NM_014287.3	100.0
NOMO2	NM_173614.2	100.0
NOMO3	NM_001004067.3	99.8
NONO	NM_007363.4	100.0
NOP10	NM_018648.3	100.0
NOP14	NM_003703.1	100.0
NOP16	NM_016391.5	100.0
NOP2	NM_006170.3	100.0
NOP56	NM_006392.3	100.0
NOP58	NM_015934.3	100.0
NOP9	NM_174913.1	100.0
NOS1	NM_000620.4	100.0
NOS1AP	NM_014697.2	100.0
NOS2	NM_000625.4	100.0
NOS3	NM_000603.4	100.0
NOSIP	NM_015953.4	100.0
NOSTRIN	NM_052946.3	100.0
NOTCH1	NM_017617.3	100.0
NOTCH2	NM_024408.3	100.0
NOTCH2NL	NM_203458.4	100.0
NOTCH3	NM_000435.2	97.6
NOTCH4	NM_004557.3	100.0
NOTO	NM_001134462.1	100.0
NOTUM	NM_178493.5	99.4
NOV	NM_002514.3	100.0
NOVA1	NM_002515.2	100.0
NOVA2	NM_002516.2	95.6
NOX1	NM_007052.4	100.0
NOX3	NM_015718.2	100.0
NOX4	NM_016931.3	100.0
NOX5	NM_024505.3	99.8
NOXA1	NM_006647.1	99.9

NOXO1	NM_144603.3	100.0
NOXRED1	NM_001113475.2	100.0
NPAP1	NM_018958.2	100.0
NPAS1	NM_002517.2	100.0
NPAS2	NM_002518.3	100.0
NPAS3	NM_173159.2	97.9
NPAS4	NM_178864.3	100.0
NPAT	NM_002519.2	100.0
NPB	NM_148896.3	91.1
NPBWR1	NM_005285.3	100.0
NPBWR2	NM_005286.2	100.0
NPC1	NM_000271.4	100.0
NPC1L1	NM_013389.2	98.0
NPC2	NM_006432.3	100.0
NPDC1	NM_015392.3	97.6
NPEPL1	NM_024663.3	100.0
NPEPPS	NM_006310.3	100.0
NPFF	NM_003717.2	100.0
NPFFR1	NM_022146.4	100.0
NPFFR2	NM_004885.2	100.0
NPHP1	NM_000272.3	100.0
NPHP3	NM_153240.4	100.0
NPHP4	NM_015102.3	100.0
NPHS1	NM_004646.3	100.0
NPHS2	NM_014625.2	100.0
NPIPB15	XM_005256273.1	98.5
NPL	NM_030769.2	100.0
NPLOC4	NM_017921.2	100.0
NPM1	NM_002520.6	100.0
NPM2	NM_182795.1	100.0
NPM3	NM_006993.2	100.0
NPNT	NM_001033047.2	100.0
NPPA	NM_006172.3	100.0
NPPB	NM_002521.2	100.0
NPPC	NM_024409.2	100.0
NPR1	NM_000906.3	99.9
NPR2	NM_003995.3	100.0
NPR3	NM_000908.3	100.0
NPRL2	NM_006545.4	100.0
NPRL3	NM_001039476.2	100.0

NPS	NM_001030013.1	100.0
NP SR1	NM_207173.1	100.0
NPTN	NM_012428.3	100.0
NPTX1	NM_002522.3	98.4
NPTX2	NM_002523.2	97.2
NPTXR	NM_014293.3	86.3
NPVF	NM_022150.3	100.0
NPW	NM_001099456.2	99.0
NPY	NM_000905.3	100.0
NPY1R	NM_000909.5	100.0
NPY2R	NM_000910.2	100.0
NPY4R	NM_005972.5	100.0
NPY5R	NM_006174.2	100.0
NQO1	NM_000903.2	100.0
NQO2	NM_000904.3	100.0
NR0B1	NM_000475.4	99.9
NR0B2	NM_021969.2	100.0
NR1D1	NM_021724.4	100.0
NR1D2	NM_005126.4	100.0
NR1H2	NM_007121.5	100.0
NR1H3	NM_005693.3	100.0
NR1H4	NM_005123.3	100.0
NR1I2	NM_003889.3	100.0
NR1I3	NM_005122.4	100.0
NR2C1	NM_003297.3	100.0
NR2C2	NM_003298.3	100.0
NR2C2AP	NM_176880.4	100.0
NR2E1	NM_003269.3	100.0
NR2E3	NM_014249.3	100.0
NR2F1	NM_005654.4	95.3
NR2F2	NM_021005.3	98.6
NR2F6	NM_005234.3	98.4
NR3C1	NM_001018077.1	100.0
NR3C2	NM_000901.4	100.0
NR4A1	NM_002135.4	100.0
NR4A2	NM_006186.3	100.0
NR4A3	NM_006981.3	97.9
NR5A1	NM_004959.4	100.0
NR5A2	NM_003822.4	100.0
NR6A1	NM_001489.4	99.9

NRAP	NM_006175.4	100.0
NRARP	NM_001004354.2	100.0
NRAS	NM_002524.4	100.0
NRBF2	NM_030759.3	100.0
NRBP1	NM_013392.2	100.0
NRBP2	NM_178564.3	100.0
NRCAM	NM_005010.4	100.0
NRD1	NM_002525.2	100.0
NRDE2	NM_017970.3	100.0
NREP	NM_004772.2	100.0
NRF1	NM_005011.3	100.0
NRG1	NM_013956.3	100.0
NRG2	NM_004883.2	95.7
NRG3	NM_001010848.3	96.8
NRG4	NM_138573.3	100.0
NRGN	NM_006176.2	97.4
NRIP1	NM_003489.3	100.0
NRIP2	NM_031474.2	100.0
NRIP3	NM_020645.2	100.0
NRK	NM_198465.2	100.0
NRL	NM_006177.3	98.8
NRM	NM_007243.2	100.0
NRN1	NM_016588.2	100.0
NRN1L	NM_198443.1	100.0
NRP1	NM_003873.5	100.0
NRP2	NM_201266.1	100.0
NRROS	NM_198565.1	100.0
NRSN1	NM_080723.4	100.0
NRSN2	NM_024958.2	100.0
NRTN	NM_004558.3	92.8
NRXN1	NM_001135659.1	100.0
NRXN2	NM_138732.2	97.0
NRXN3	NM_004796.5	100.0
NSA2	NM_014886.4	100.0
NSD1	NM_022455.4	100.0
NSDHL	NM_015922.2	100.0
NSF	NM_006178.3	100.0
NSFL1C	NM_016143.4	100.0
NSG1	NM_014392.3	100.0
NSL1	NM_015471.3	100.0

NSMAF	NM_003580.3	100.0
NSMCE1	NM_145080.3	100.0
NSMCE2	NM_173685.2	100.0
NSMCE4A	NM_017615.2	99.7
NSMF	NM_015537.4	100.0
NSRP1	NM_032141.3	100.0
NSUN2	NM_017755.5	100.0
NSUN3	NM_022072.3	100.0
NSUN4	NM_199044.3	100.0
NSUN5	NM_018044.4	100.0
NSUN6	NM_182543.2	100.0
NSUN7	NM_024677.4	100.0
NT5C	NM_014595.2	99.2
NT5C1A	NM_032526.1	100.0
NT5C1B	NM_001002006.2	100.0
NT5C1B-RDH14	NM_001199103.1	100.0
NT5C2	NM_012229.4	100.0
NT5C3A	NM_016489.12	100.0
NT5C3B	NM_052935.4	100.0
NT5DC1	NM_152729.2	100.0
NT5DC2	NM_022908.2	100.0
NT5DC3	NM_001031701.2	98.7
NT5E	NM_002526.3	100.0
NT5M	NM_020201.3	93.8
NTAN1	NM_173474.3	99.9
NTF3	NM_002527.4	100.0
NTF4	NM_006179.4	100.0
NTHL1	NM_002528.5	100.0
NTM	NM_001144058.1	100.0
NTMT1	NM_014064.2	100.0
NTN1	NM_004822.2	99.3
NTN3	NM_006181.2	95.0
NTN4	NM_021229.3	100.0
NTN5	NM_145807.1	99.8
NTNG1	NM_014917.2	100.0
NTNG2	NM_032536.2	96.2
NTPCR	NM_032324.1	100.0
NTRK1	NM_001012331.1	100.0
NTRK2	NM_006180.3	100.0
NTRK3	NM_001012338.2	100.0

NTS	NM_006183.4	100.0
NTSR1	NM_002531.2	100.0
NTSR2	NM_012344.3	99.9
NUAK1	NM_014840.2	100.0
NUAK2	NM_030952.1	100.0
NUB1	NM_001243351.1	100.0
NUBP1	NM_002484.3	100.0
NUBP2	NM_012225.2	100.0
NUBPL	NM_025152.2	100.0
NUCB1	NM_006184.5	100.0
NUCB2	NM_005013.2	100.0
NUCKS1	NM_022731.4	100.0
NUDC	NM_006600.3	100.0
NUDCD1	NM_032869.3	100.0
NUDCD2	NM_145266.4	100.0
NUDCD3	NM_015332.3	100.0
NUDT1	NM_002452.3	100.0
NUDT10	NM_153183.2	100.0
NUDT11	NM_018159.3	100.0
NUDT12	NM_031438.2	100.0
NUDT13	NM_015901.4	100.0
NUDT14	NM_177533.4	99.8
NUDT15	NM_018283.1	100.0
NUDT16	NM_152395.2	100.0
NUDT16L1	NM_032349.3	100.0
NUDT17	NM_001012758.2	100.0
NUDT18	NM_024815.3	99.7
NUDT19	NM_001105570.1	97.1
NUDT2	NM_001161.4	100.0
NUDT21	NM_007006.2	100.0
NUDT22	NM_032344.3	100.0
NUDT3	NM_006703.3	100.0
NUDT4	NM_019094.4	100.0
NUDT5	NM_014142.2	100.0
NUDT6	NM_007083.4	100.0
NUDT7	NM_001105663.2	100.0
NUDT8	NM_181843.2	94.8
NUDT9	NM_024047.4	100.0
NUF2	NM_031423.3	100.0
NUFIP1	NM_012345.2	100.0

NUFIP2	NM_020772.2	100.0
NUGGC	NM_001010906.1	100.0
NUMA1	NM_006185.2	100.0
NUMB	NM_003744.5	100.0
NUMBL	NM_004756.3	100.0
NUP107	NM_020401.2	100.0
NUP133	NM_018230.2	100.0
NUP153	NM_005124.3	100.0
NUP155	NM_153485.2	100.0
NUP160	NM_015231.1	100.0
NUP188	NM_015354.2	100.0
NUP205	NM_015135.2	100.0
NUP210	NM_024923.3	100.0
NUP210L	NM_207308.2	100.0
NUP214	NM_005085.3	100.0
NUP35	NM_138285.3	100.0
NUP37	NM_024057.2	100.0
NUP43	NM_198887.1	100.0
NUP50	NM_007172.3	100.0
NUP54	NM_017426.3	100.0
NUP62	NM_153719.3	100.0
NUP62CL	NM_017681.2	100.0
NUP85	NM_024844.3	100.0
NUP88	NM_002532.4	100.0
NUP93	NM_014669.4	100.0
NUP98	NM_139132.3	100.0
NUPL1	NM_014089.3	100.0
NUPL2	NM_007342.2	100.0
NUPR1	NM_012385.2	100.0
NUPR1L	NM_001145712.1	90.6
NUS1	NM_138459.3	100.0
NUSAP1	NM_016359.4	100.0
NUTF2	NM_005796.1	100.0
NUTM1	NM_175741.1	100.0
NUTM2F	NM_017561.1	99.7
NUTM2G	NM_001045477.2	100.0
NVL	NM_002533.3	100.0
NWD1	NM_001007525.3	100.0
NXF1	NM_006362.4	100.0
NXF2	NM_022053.2	99.0

NXF2B	NM_001099686.2	99.5
NXF3	NM_022052.1	100.0
NXF5	NM_032946.2	100.0
NXN	NM_022463.4	98.0
NXNL1	NM_138454.1	100.0
NXNL2	NM_145283.2	74.0
NXPE1	NM_152315.2	100.0
NXPE2	NM_182495.5	100.0
NXPE3	NM_145037.2	100.0
NXPE4	NM_017678.2	100.0
NXPH2	NM_007226.2	100.0
NXPH3	NM_007225.2	100.0
NXPH4	NM_007224.3	100.0
NXT1	NM_013248.2	100.0
NXT2	NM_018698.4	100.0
NYAP1	NM_173564.3	100.0
NYAP2	NM_020864.1	100.0
NYNRIN	NM_025081.2	100.0
NYX	NM_022567.2	96.9
OAF	NM_178507.2	97.2
OARD1	NM_145063.2	100.0
OAS1	NM_016816.2	100.0
OAS2	NM_002535.2	100.0
OAS3	NM_006187.2	100.0
OASL	NM_003733.3	100.0
OAT	NM_000274.3	100.0
OAZ1	NM_004152.2	100.0
OAZ2	NM_002537.2	100.0
OAZ3	NM_016178.2	100.0
OBFC1	NM_024928.4	100.0
OBP2A	NM_014582.2	99.8
OBP2B	NM_014581.2	100.0
OBSCN	NM_052843.3	99.5
OBSL1	NM_015311.2	99.5
OC90	NM_001080399.2	100.0
OCA2	NM_000275.2	100.0
OCEL1	NM_024578.1	100.0
OCIAD1	NM_017830.3	100.0
OCIAD2	NM_152398.2	100.0
OCLM	NM_022375.3	100.0

OCLN	NM_002538.3	100.0
OCM	NM_001097622.1	100.0
OCM2	NM_006188.3	100.0
OCRL	NM_000276.3	100.0
OCSTAMP	NM_080721.2	100.0
ODAM	NM_017855.3	100.0
ODC1	NM_002539.1	100.0
ODF1	NM_024410.3	100.0
ODF2	NM_002540.4	100.0
ODF2L	NM_020729.2	100.0
ODF3	NM_053280.3	100.0
ODF3B	NM_001014440.3	100.0
ODF3L1	NM_175881.3	100.0
ODF3L2	NM_182577.2	100.0
ODF4	NM_153007.4	100.0
OFCC1	XM_003118558.3	31.4
OFD1	NM_003611.2	100.0
OGDH	NM_002541.3	100.0
OGDHL	NM_018245.2	100.0
OGFOD1	NM_018233.3	100.0
OGFOD2	NM_024623.1	100.0
OGFOD3	NM_024648.2	100.0
OGFR	NM_007346.2	100.0
OGFRL1	NM_024576.3	95.2
OGG1	NM_002542.5	100.0
OGN	NM_014057.3	100.0
OGT	NM_181672.2	100.0
OIP5	NM_007280.1	100.0
OIT3	NM_152635.1	100.0
OLA1	NM_013341.3	100.0
OLAH	NM_018324.2	100.0
OLFM2	NM_058164.2	100.0
OLFM3	NM_058170.2	100.0
OLFM4	NM_006418.4	100.0
OLFML1	NM_198474.3	100.0
OLFML2A	NM_182487.2	100.0
OLFML2B	NM_015441.1	100.0
OLFML3	NM_020190.2	100.0
OLIG1	NM_138983.2	91.2
OLIG2	NM_005806.3	99.3

OLIG3	NM_175747.2	100.0
OLR1	NM_002543.3	100.0
OMA1	NM_145243.3	100.0
OMD	NM_005014.2	100.0
OMG	NM_002544.4	100.0
OMP	NM_006189.1	100.0
ONECUT1	NM_004498.2	100.0
ONECUT2	NM_004852.2	94.6
ONECUT3	NM_001080488.1	67.6
OOEP	NM_001080507.2	100.0
OPA1	NM_015560.2	100.0
OPA3	NM_025136.3	100.0
OPALIN	NM_033207.3	100.0
OPCML	NM_002545.3	100.0
OPHN1	NM_002547.2	100.0
OPLAH	NM_017570.3	100.0
OPN1LW	NM_020061.4	96.6
OPN1MW	NM_000513.2	98.9
OPN1MW2	NM_001048181.2	99.0
OPN1SW	NM_001708.2	100.0
OPN3	NM_014322.2	97.4
OPN4	NM_001030015.2	100.0
OPN5	NM_181744.3	100.0
OPRD1	NM_000911.3	100.0
OPRK1	NM_000912.3	100.0
OPRL1	NM_182647.2	100.0
OPRM1	NM_000914.3	100.0
OPTC	NM_014359.3	100.0
OPTN	NM_021980.4	100.0
OR10A2	NM_001004460.1	100.0
OR10A3	NM_001003745.1	100.0
OR10A4	NM_207186.2	100.0
OR10A5	NM_178168.1	100.0
OR10A6	NM_001004461.1	100.0
OR10A7	NM_001005280.1	100.0
OR10AD1	NM_001004134.1	100.0
OR10AG1	NM_001005491.1	100.0
OR10C1	NM_013941.3	100.0
OR10G2	NM_001005466.1	99.9
OR10G3	NM_001005465.1	100.0

OR10G4	NM_001004462.1	100.0
OR10G7	NM_001004463.1	100.0
OR10G8	NM_001004464.1	100.0
OR10G9	NM_001001953.1	100.0
OR10H1	NM_013940.2	100.0
OR10H2	NM_013939.2	100.0
OR10H3	NM_013938.1	100.0
OR10H4	NM_001004465.1	100.0
OR10H5	NM_001004466.1	100.0
OR10J1	NM_012351.2	100.0
OR10J3	NM_001004467.1	100.0
OR10J5	NM_001004469.1	100.0
OR10K1	NM_001004473.1	100.0
OR10K2	NM_001004476.1	100.0
OR10P1	NM_206899.1	100.0
OR10Q1	NM_001004471.2	100.0
OR10R2	NM_001004472.1	100.0
OR10S1	NM_001004474.1	100.0
OR10T2	NM_001004475.1	100.0
OR10V1	NM_001005324.1	100.0
OR10W1	NM_207374.3	100.0
OR10X1	NM_001004477.1	100.0
OR10Z1	NM_001004478.1	100.0
OR11A1	NM_013937.2	100.0
OR11G2	NM_001005503.1	100.0
OR11H4	NM_001004479.1	100.0
OR11H6	NM_001004480.1	100.0
OR11L1	NM_001001959.1	100.0
OR12D2	NM_013936.3	100.0
OR12D3	NM_030959.2	100.0
OR13A1	NM_001004297.2	100.0
OR13C2	NM_001004481.1	99.6
OR13C3	NM_001001961.1	100.0
OR13C4	NM_001001919.1	100.0
OR13C5	NM_001004482.1	100.0
OR13C8	NM_001004483.1	100.0
OR13C9	NM_001001956.1	100.0
OR13D1	NM_001004484.1	100.0
OR13F1	NM_001004485.1	100.0
OR13G1	NM_001005487.1	100.0

OR13H1	NM_001004486.1	100.0
OR13J1	NM_001004487.1	100.0
OR14A16	NM_001001966.1	100.0
OR14C36	NM_001001918.1	100.0
OR14I1	NM_001004734.1	100.0
OR14J1	NM_030946.1	100.0
OR1A1	NM_014565.2	100.0
OR1A2	NM_012352.1	100.0
OR1B1	NM_001004450.1	100.0
OR1C1	NM_012353.2	100.0
OR1D2	NM_002548.2	100.0
OR1D5	NM_014566.1	99.5
OR1E1	NM_003553.2	100.0
OR1E2	NM_003554.1	100.0
OR1F1	NM_012360.1	100.0
OR1G1	NM_003555.1	100.0
OR1I1	NM_001004713.1	100.0
OR1J1	NM_001004451.1	100.0
OR1J2	NM_054107.1	100.0
OR1J4	NM_001004452.1	100.0
OR1K1	NM_080859.1	100.0
OR1L1	NM_001005236.3	100.0
OR1L3	NM_001005234.1	100.0
OR1L4	NM_001005235.1	100.0
OR1L6	NM_001004453.2	100.0
OR1L8	NM_001004454.1	100.0
OR1M1	NM_001004456.1	100.0
OR1N1	NM_012363.1	100.0
OR1N2	NM_001004457.1	100.0
OR1Q1	NM_012364.1	100.0
OR1S1	NM_001004458.1	100.0
OR1S2	NM_001004459.1	100.0
OR2A1	NM_001005287.1	100.0
OR2A12	NM_001004135.1	100.0
OR2A14	NM_001001659.1	100.0
OR2A2	NM_001005480.2	100.0
OR2A25	NM_001004488.1	100.0
OR2A4	NM_030908.1	99.7
OR2A42	NM_001001802.2	100.0
OR2A5	NM_012365.1	100.0

OR2A7	NM_001005328.1	100.0
OR2AE1	NM_001005276.1	100.0
OR2AG1	NM_001004489.2	100.0
OR2AG2	NM_001004490.1	100.0
OR2AK2	NM_001004491.1	100.0
OR2AP1	NM_001258285.1	100.0
OR2AT4	NM_001005285.1	100.0
OR2B11	NM_001004492.1	100.0
OR2B2	NM_033057.2	100.0
OR2B3	NM_001005226.2	100.0
OR2B6	NM_012367.1	100.0
OR2C1	NM_012368.2	100.0
OR2C3	NM_198074.4	100.0
OR2D2	NM_003700.1	100.0
OR2D3	NM_001004684.1	100.0
OR2F1	NM_012369.2	100.0
OR2F2	NM_001004685.1	100.0
OR2G2	NM_001001915.1	100.0
OR2G3	NM_001001914.1	100.0
OR2G6	NM_001013355.1	100.0
OR2H1	NM_030883.3	100.0
OR2H2	NM_007160.3	100.0
OR2J2	NM_030905.2	100.0
OR2J3	NM_001005216.3	100.0
OR2K2	NM_205859.1	100.0
OR2L13	NM_175911.2	100.0
OR2L2	NM_001004686.2	100.0
OR2L3	NM_001004687.1	100.0
OR2L5	NM_001258284.1	100.0
OR2L8	NM_001001963.1	100.0
OR2M2	NM_001004688.1	100.0
OR2M3	NM_001004689.1	100.0
OR2M4	NM_017504.1	100.0
OR2M5	NM_001004690.1	100.0
OR2M7	NM_001004691.1	100.0
OR2S2	NM_019897.2	100.0
OR2T1	NM_030904.1	100.0
OR2T10	NM_001004693.1	96.7
OR2T11	NM_001001964.1	96.7
OR2T12	NM_001004692.1	100.0

OR2T2	NM_001004136.1	100.0
OR2T27	NM_001001824.1	99.7
OR2T29	NM_001004694.2	100.0
OR2T3	NM_001005495.1	100.0
OR2T33	NM_001004695.1	100.0
OR2T34	NM_001001821.1	100.0
OR2T35	NM_001001827.1	99.2
OR2T4	NM_001004696.1	99.9
OR2T5	NM_001004697.1	100.0
OR2T6	NM_001005471.1	100.0
OR2T8	NM_001005522.1	99.8
OR2V1	NM_001258283.1	100.0
OR2V2	NM_206880.1	100.0
OR2W1	NM_030903.3	100.0
OR2W3	NM_001001957.2	100.0
OR2W5	NM_001004698.2	100.0
OR2Y1	NM_001001657.1	100.0
OR2Z1	NM_001004699.1	100.0
OR3A1	NM_002550.2	100.0
OR3A2	NM_002551.3	100.0
OR3A3	NM_012373.2	100.0
OR4A15	NM_001005275.1	100.0
OR4A16	NM_001005274.1	100.0
OR4A47	NM_001005512.2	100.0
OR4A5	NM_001005272.3	100.0
OR4B1	NM_001005470.1	100.0
OR4C11	NM_001004700.2	90.8
OR4C12	NM_001005270.2	100.0
OR4C13	NM_001001955.2	100.0
OR4C15	NM_001001920.1	100.0
OR4C16	NM_001004701.2	100.0
OR4C3	NM_001004702.1	100.0
OR4C46	NM_001004703.1	100.0
OR4C6	NM_001004704.1	100.0
OR4D1	NM_012374.1	100.0
OR4D10	NM_001004705.1	100.0
OR4D11	NM_001004706.1	100.0
OR4D2	NM_001004707.3	100.0
OR4D5	NM_001001965.1	100.0
OR4D6	NM_001004708.1	100.0

OR4D9	NM_001004711.1	100.0
OR4E2	NM_001001912.1	100.0
OR4F15	NM_001001674.1	100.0
OR4F17	NM_001005240.1	100.0
OR4F4	NM_001004195.2	100.0
OR4F5	NM_001005484.1	97.3
OR4F6	NM_001005326.1	100.0
OR4K1	NM_001004063.2	100.0
OR4K13	NM_001004714.1	100.0
OR4K14	NM_001004712.1	100.0
OR4K15	NM_001005486.1	100.0
OR4K17	NM_001004715.1	100.0
OR4K2	NM_001005501.1	100.0
OR4K5	NM_001005483.1	100.0
OR4L1	NM_001004717.1	99.7
OR4M1	NM_001005500.1	100.0
OR4M2	NM_001004719.2	100.0
OR4N2	NM_001004723.1	100.0
OR4N4	NM_001005241.2	100.0
OR4N5	NM_001004724.1	100.0
OR4P4	NM_001004124.1	90.8
OR4Q3	NM_172194.1	100.0
OR4S1	NM_001004725.1	100.0
OR4S2	NM_001004059.2	90.8
OR4X1	NM_001004726.1	99.9
OR4X2	NM_001004727.1	100.0
OR51A2	NM_001004748.1	89.9
OR51A4	NM_001005329.1	100.0
OR51A7	NM_001004749.1	100.0
OR51B2	NM_033180.4	100.0
OR51B4	NM_033179.2	100.0
OR51B5	NM_001005567.2	100.0
OR51B6	NM_001004750.1	100.0
OR51D1	NM_001004751.2	100.0
OR51E1	NM_152430.3	100.0
OR51E2	NM_030774.3	100.0
OR51F1	NM_001004752.1	100.0
OR51F2	NM_001004753.1	100.0
OR51G1	NM_001005237.1	100.0
OR51G2	NM_001005238.1	100.0

OR51I1	NM_001005288.2	100.0
OR51I2	NM_001004754.2	100.0
OR51L1	NM_001004755.1	100.0
OR51M1	NM_001004756.2	100.0
OR51Q1	NM_001004757.2	100.0
OR51S1	NM_001004758.1	100.0
OR51T1	NM_001004759.1	100.0
OR51V1	NM_001004760.2	100.0
OR52A1	NM_012375.2	100.0
OR52A5	NM_001005160.2	100.0
OR52B2	NM_001004052.1	100.0
OR52B4	NM_001005161.3	100.0
OR52B6	NM_001005162.2	100.0
OR52D1	NM_001005163.2	100.0
OR52E2	NM_001005164.2	100.0
OR52E4	NM_001005165.1	100.0
OR52E6	NM_001005167.1	100.0
OR52E8	NM_001005168.1	99.2
OR52H1	NM_001005289.1	100.0
OR52I1	NM_001005169.1	100.0
OR52I2	NM_001005170.2	100.0
OR52J3	NM_001001916.2	100.0
OR52K1	NM_001005171.2	100.0
OR52K2	NM_001005172.2	100.0
OR52L1	NM_001005173.2	100.0
OR52M1	NM_001004137.1	100.0
OR52N1	NM_001001913.1	99.3
OR52N2	NM_001005174.1	100.0
OR52N4	NM_001005175.3	100.0
OR52N5	NM_001001922.2	96.7
OR52R1	NM_001005177.3	100.0
OR52W1	NM_001005178.1	100.0
OR56A1	NM_001001917.2	100.0
OR56A3	NM_001003443.2	100.0
OR56A4	NM_001005179.2	100.0
OR56A5	NM_001146033.1	100.0
OR56B1	NM_001005180.2	100.0
OR56B4	NM_001005181.1	100.0
OR5A1	NM_001004728.1	100.0
OR5A2	NM_001001954.1	100.0

OR5AC2	NM_054106.1	100.0
OR5AK2	NM_001005323.1	100.0
OR5AN1	NM_001004729.1	100.0
OR5AP2	NM_001002925.1	100.0
OR5AR1	NM_001004730.1	100.0
OR5AS1	NM_001001921.1	100.0
OR5AU1	NM_001004731.1	100.0
OR5B12	NM_001004733.2	100.0
OR5B17	NM_001005489.1	100.0
OR5B2	NM_001005566.2	100.0
OR5B21	NM_001005218.1	100.0
OR5B3	NM_001005469.1	100.0
OR5C1	NM_001001923.1	100.0
OR5D13	NM_001001967.1	100.0
OR5D14	NM_001004735.1	100.0
OR5D16	NM_001005496.1	100.0
OR5D18	NM_001001952.1	100.0
OR5F1	NM_003697.1	100.0
OR5H1	NM_001005338.1	100.0
OR5H14	NM_001005514.1	100.0
OR5H15	NM_001005515.1	100.0
OR5H2	NM_001005482.1	100.0
OR5H6	NM_001005479.1	100.0
OR5I1	NM_006637.1	100.0
OR5J2	NM_001005492.1	100.0
OR5K1	NM_001004736.2	100.0
OR5K2	NM_001004737.1	100.0
OR5K3	NM_001005516.1	100.0
OR5K4	NM_001005517.1	100.0
OR5L1	NM_001004738.1	100.0
OR5L2	NM_001004739.1	100.0
OR5M1	NM_001004740.1	100.0
OR5M10	NM_001004741.1	100.0
OR5M11	NM_001005245.1	100.0
OR5M3	NM_001004742.2	100.0
OR5M8	NM_001005282.1	100.0
OR5M9	NM_001004743.1	100.0
OR5P2	NM_153444.1	100.0
OR5P3	NM_153445.1	100.0
OR5R1	NM_001004744.1	100.0

OR5T1	NM_001004745.1	100.0
OR5T2	NM_001004746.1	100.0
OR5T3	NM_001004747.1	100.0
OR5V1	NM_030876.5	100.0
OR5W2	NM_001001960.1	100.0
OR6A2	NM_003696.2	100.0
OR6B1	NM_001005281.1	100.0
OR6B2	NM_001005853.1	100.0
OR6B3	NM_173351.1	100.0
OR6C1	NM_001005182.1	100.0
OR6C2	NM_054105.1	100.0
OR6C3	NM_054104.1	100.0
OR6C4	NM_001005494.1	100.0
OR6C6	NM_001005493.1	100.0
OR6C65	NM_001005518.1	100.0
OR6C68	NM_001005519.2	100.0
OR6C70	NM_001005499.1	100.0
OR6C74	NM_001005490.1	100.0
OR6C75	NM_001005497.1	100.0
OR6C76	NM_001005183.1	100.0
OR6F1	NM_001005286.1	100.0
OR6K2	NM_001005279.1	100.0
OR6K3	NM_001005327.2	100.0
OR6K6	NM_001005184.1	100.0
OR6M1	NM_001005325.1	100.0
OR6N1	NM_001005185.1	100.0
OR6N2	NM_001005278.1	100.0
OR6P1	NM_001160325.1	100.0
OR6Q1	NM_001005186.2	100.0
OR6S1	NM_001001968.1	100.0
OR6T1	NM_001005187.1	100.0
OR6V1	NM_001001667.1	100.0
OR6X1	NM_001005188.1	100.0
OR6Y1	NM_001005189.1	100.0
OR7A10	NM_001005190.1	100.0
OR7A17	NM_030901.1	100.0
OR7A5	NM_017506.1	100.0
OR7C1	NM_198944.1	100.0
OR7C2	NM_012377.1	100.0
OR7D2	NM_175883.2	100.0

OR7D4	NM_001005191.2	100.0
OR7E24	NM_001079935.1	100.0
OR7G1	NM_001005192.2	100.0
OR7G2	NM_001005193.1	100.0
OR7G3	NM_001001958.1	100.0
OR8A1	NM_001005194.1	100.0
OR8B12	NM_001005195.1	100.0
OR8B2	NM_001005468.1	100.0
OR8B3	NM_001005467.1	99.8
OR8B4	NM_001005196.1	100.0
OR8B8	NM_012378.1	100.0
OR8D1	NM_001002917.1	100.0
OR8D2	NM_001002918.1	100.0
OR8D4	NM_001005197.1	100.0
OR8G2	NM_001007249.1	100.0
OR8G5	NM_001005198.1	100.0
OR8H1	NM_001005199.1	100.0
OR8H2	NM_001005200.1	100.0
OR8H3	NM_001005201.1	100.0
OR8I2	NM_001003750.1	100.0
OR8J1	NM_001005205.2	100.0
OR8J3	NM_001004064.1	100.0
OR8K1	NM_001002907.1	100.0
OR8K3	NM_001005202.1	100.0
OR8K5	NM_001004058.2	100.0
OR8S1	NM_001005203.2	100.0
OR8U1	NM_001005204.1	100.0
OR9A2	NM_001001658.1	100.0
OR9A4	NM_001001656.1	100.0
OR9G1	NM_001005213.1	100.0
OR9G4	NM_001005284.1	100.0
OR9I1	NM_001005211.1	100.0
OR9K2	NM_001005243.1	100.0
OR9Q1	NM_001005212.3	100.0
OR9Q2	NM_001005283.2	100.0
ORAI1	NM_032790.3	91.8
ORAI2	NM_032831.3	100.0
ORAI3	NM_152288.2	100.0
ORAOV1	NM_153451.2	100.0
ORC1	NM_004153.3	100.0

ORC2	NM_006190.4	100.0
ORC3	NM_012381.3	100.0
ORC4	NM_002552.4	100.0
ORC5	NM_002553.3	100.0
ORC6	NM_014321.3	100.0
ORM1	NM_000607.2	100.0
ORM2	NM_000608.2	100.0
ORMDL1	NM_016467.4	100.0
ORMDL2	NM_014182.4	100.0
ORMDL3	NM_139280.2	100.0
OS9	NM_006812.3	100.0
OSBP	NM_002556.2	98.7
OSBP2	NM_030758.3	100.0
OSBPL10	NM_017784.4	100.0
OSBPL11	NM_022776.4	100.0
OSBPL1A	NM_080597.3	100.0
OSBPL2	NM_014835.3	100.0
OSBPL3	NM_015550.2	100.0
OSBPL5	NM_020896.3	100.0
OSBPL6	NM_032523.3	100.0
OSBPL7	NM_145798.2	100.0
OSBPL8	NM_020841.4	100.0
OSBPL9	NM_024586.5	100.0
OSCAR	NM_130771.3	100.0
OSCP1	NM_145047.4	100.0
OSER1	NM_016470.7	100.0
OSGEP	NM_017807.3	100.0
OSGEPL1	NM_022353.2	100.0
OSGIN1	NM_182981.2	100.0
OSGIN2	NM_004337.2	100.0
OSM	NM_020530.4	100.0
OSMR	NM_003999.2	100.0
OSR1	NM_145260.2	100.0
OSR2	NM_053001.2	100.0
OST4	NM_001134693.1	100.0
OSTC	NM_021227.3	100.0
OSTF1	NM_012383.4	100.0
OSTM1	NM_014028.3	100.0
OSTN	NM_198184.1	100.0
OTC	NM_000531.5	99.9

OTOA	NM_144672.3	100.0
OTOF	NM_194248.2	100.0
OTOG	NM_001277269.1	100.0
OTOGL	NM_173591.3	100.0
OTOL1	NM_001080440.1	100.0
OTOP1	NM_177998.1	100.0
OTOP2	NM_178160.2	100.0
OTOP3	NM_178233.2	100.0
OTOR	NM_020157.3	100.0
OTOS	NM_148961.3	100.0
OTP	NM_032109.2	100.0
OTUB1	NM_017670.2	100.0
OTUB2	NM_023112.3	100.0
OTUD1	NM_001145373.2	85.6
OTUD3	NM_015207.1	99.8
OTUD4	NM_001102653.1	100.0
OTUD5	NM_017602.3	96.3
OTUD6A	NM_207320.1	100.0
OTUD6B	NM_016023.3	100.0
OTUD7A	NM_130901.1	85.3
OTUD7B	NM_020205.3	100.0
OTX1	NM_014562.3	100.0
OTX2	NM_172337.2	100.0
OVCA2	NM_080822.2	100.0
OVCH1	NM_183378.2	100.0
OVCH2	NM_198185.3	100.0
OVGP1	NM_002557.3	99.9
OVOL1	NM_004561.3	100.0
OVOL2	NM_021220.2	99.3
OVOL3	NM_001270948.1	100.0
OVOS	XM_001715897.3	73.8
OVOS2	XM_002343151.5	100.0
OXA1L	NM_005015.3	100.0
OXCT1	NM_000436.3	100.0
OXCT2	NM_022120.1	99.9
OXER1	NM_148962.4	100.0
OXGR1	NM_080818.3	100.0
OXLD1	NM_001039842.1	100.0
OXNAD1	NM_138381.3	100.0
OXR1	NM_018002.3	100.0

OXSM	NM_017897.2	100.0
OXSR1	NM_005109.2	100.0
OXT	NM_000915.3	100.0
OXTR	NM_000916.3	97.0
P2RX1	NM_002558.3	100.0
P2RX2	NM_174873.1	99.9
P2RX3	NM_002559.3	100.0
P2RX4	NM_002560.2	100.0
P2RX5	NM_002561.3	100.0
P2RX6	NM_005446.3	100.0
P2RX7	NM_002562.5	100.0
P2RY1	NM_002563.3	100.0
P2RY10	NM_014499.2	100.0
P2RY11	NM_002566.4	100.0
P2RY12	NM_022788.4	100.0
P2RY13	NM_176894.2	100.0
P2RY14	NM_014879.3	100.0
P2RY2	NM_002564.3	100.0
P2RY4	NM_002565.3	100.0
P2RY6	NM_176796.2	100.0
P2RY8	NM_178129.4	50.0
P4HA1	NM_000917.3	100.0
P4HA2	NM_004199.2	100.0
P4HA3	NM_182904.3	100.0
P4HB	NM_000918.3	100.0
P4HTM	NM_177938.2	97.1
PA2G4	NM_006191.2	100.0
PAAF1	NM_025155.2	100.0
PABPC1	NM_002568.3	100.0
PABPC1L	NM_001124756.1	100.0
PABPC1L2A	NM_001012977.2	100.0
PABPC1L2B	NM_001042506.1	100.0
PABPC3	NM_030979.2	100.0
PABPC4	NM_003819.3	100.0
PABPC4L	NM_001114734.1	100.0
PABPC5	NM_080832.2	100.0
PABPN1	NM_004643.3	94.0
PABPN1L	NM_001080487.2	100.0
PACRG	NM_152410.2	86.9
PACRGL	NM_145048.3	100.0

PACS1	NM_018026.3	99.1
PACS2	NM_015197.3	99.9
PACSIN1	NM_020804.4	100.0
PACSIN2	NM_007229.3	100.0
PACSIN3	NM_016223.4	100.0
PADI1	NM_013358.2	100.0
PADI2	NM_007365.2	100.0
PADI3	NM_016233.2	100.0
PADI4	NM_012387.2	100.0
PADI6	NM_207421.3	100.0
PAEP	NM_002571.2	100.0
PAF1	NM_019088.3	100.0
PAFAH1B1	NM_000430.3	100.0
PAFAH1B2	NM_001184746.1	100.0
PAFAH1B3	NM_002573.3	100.0
PAFAH2	NM_000437.3	100.0
PAG1	NM_018440.3	100.0
PAGE1	NM_003785.3	99.9
PAGE2	NM_207339.2	100.0
PAGE2B	NM_001015038.2	100.0
PAGE4	NM_007003.2	100.0
PAGE5	NM_130467.3	100.0
PAGR1	NM_024516.3	100.0
PAH	NM_000277.1	100.0
PAICS	NM_006452.3	100.0
PAIP1	NM_006451.4	100.0
PAIP2	NM_016480.3	100.0
PAIP2B	NM_020459.1	100.0
PAK1	NM_002576.4	100.0
PAK1IP1	NM_017906.2	100.0
PAK2	NM_002577.4	100.0
PAK3	NM_002578.3	100.0
PAK4	NM_005884.3	100.0
PAK6	NM_020168.5	100.0
PAK7	NM_020341.3	100.0
PALB2	NM_024675.3	100.0
PALD1	NM_014431.2	100.0
PALLD	NM_016081.3	100.0
PALM	NM_002579.2	100.0
PALM2	NM_053016.5	100.0

PALM2-AKAP2	NM_007203.4	100.0
PALM3	NM_001145028.1	100.0
PALMD	NM_017734.4	100.0
PAM	NM_000919.3	100.0
PAM16	NM_016069.9	100.0
PAMR1	NM_015430.2	100.0
PAN2	NM_014871.4	100.0
PAN3	NM_175854.7	99.9
PANK1	NM_138316.3	100.0
PANK2	NM_153638.2	99.7
PANK3	NM_024594.3	100.0
PANK4	NM_018216.1	100.0
PANX1	NM_015368.3	100.0
PANX2	NM_052839.3	100.0
PANX3	NM_052959.2	100.0
PAOX	NM_152911.2	99.8
PAPD4	NM_173797.3	100.0
PAPD5	NM_001040284.2	98.8
PAPD7	NM_006999.4	100.0
PAPL	NM_001004318.2	100.0
PAPLN	NM_173462.3	100.0
PAPOLA	NM_032632.4	100.0
PAPOLB	NM_020144.4	100.0
PAPOLG	NM_022894.3	100.0
PAPPA	NM_002581.3	97.6
PAPPA2	NM_020318.2	100.0
PAPSS1	NM_005443.4	100.0
PAPSS2	NM_001015880.1	100.0
PAQR3	NM_001040202.1	100.0
PAQR4	NM_152341.3	100.0
PAQR5	NM_017705.3	100.0
PAQR6	NM_024897.3	100.0
PAQR7	NM_178422.5	100.0
PAQR8	NM_133367.4	100.0
PAQR9	NM_198504.2	99.6
PARD3	NM_019619.3	100.0
PARD3B	NM_152526.5	100.0
PARD6A	NM_016948.2	100.0
PARD6B	NM_032521.2	100.0
PARD6G	NM_032510.3	100.0

PARG	NM_003631.2	99.2
PARK2	NM_004562.2	100.0
PARK7	NM_007262.4	100.0
PARL	NM_018622.5	100.0
PARM1	NM_015393.3	100.0
PARN	NM_002582.3	100.0
PARP1	NM_001618.3	100.0
PARP10	NM_032789.3	100.0
PARP11	NM_020367.4	100.0
PARP12	NM_022750.2	97.6
PARP14	NM_017554.2	100.0
PARP15	NM_152615.1	100.0
PARP16	NM_017851.4	100.0
PARP2	NM_005484.3	100.0
PARP3	NM_005485.4	100.0
PARP4	NM_006437.3	100.0
PARP6	NM_020214.2	100.0
PARP8	NM_001178055.1	100.0
PARP9	NM_031458.2	100.0
PARPBP	NM_017915.3	100.0
PARS2	NM_152268.3	100.0
PARVA	NM_018222.4	100.0
PARVB	NM_013327.4	99.9
PARVG	NM_022141.6	100.0
PASD1	NM_173493.2	100.0
PASK	NM_015148.3	100.0
PATE1	NM_138294.2	100.0
PATE2	NM_212555.2	100.0
PATE3	NM_001129883.3	100.0
PATE4	NM_001144874.1	100.0
PATL1	NM_152716.2	100.0
PATL2	NM_001145112.1	100.0
PATZ1	NM_014323.2	100.0
PAWR	NM_002583.2	95.0
PAX1	NM_006192.4	97.4
PAX2	NM_003987.3	100.0
PAX3	NM_181457.3	100.0
PAX4	NM_006193.2	100.0
PAX5	NM_016734.2	100.0
PAX6	NM_000280.4	100.0

PAX7	NM_002584.2	100.0
PAX8	NM_003466.3	100.0
PAX9	NM_006194.3	100.0
PAXBP1	NM_013329.3	99.2
PAXIP1	NM_007349.3	100.0
PBDC1	NM_016500.3	100.0
PBK	NM_018492.3	100.0
PBLD	NM_022129.3	100.0
PBOV1	NM_021635.2	100.0
PBRM1	NM_018313.4	100.0
PBX1	NM_002585.3	100.0
PBX2	NM_002586.4	100.0
PBX3	NM_006195.5	100.0
PBX4	NM_025245.2	99.9
PBXIP1	NM_020524.2	100.0
PC	NM_000920.3	100.0
PCBD1	NM_000281.2	99.9
PCBD2	NM_032151.4	99.7
PCBP1	NM_006196.3	100.0
PCBP2	NM_005016.5	100.0
PCBP3	NM_020528.2	100.0
PCBP4	NM_020418.3	100.0
PCCA	NM_000282.3	100.0
PCCB	NM_000532.4	100.0
PCDH1	NM_002587.4	99.9
PCDH10	NM_032961.1	100.0
PCDH11X	NM_032968.3	100.0
PCDH11Y*	NM_032971.2	100.0
PCDH12	NM_016580.3	100.0
PCDH15	NM_033056.3	100.0
PCDH17	NM_001040429.2	100.0
PCDH18	NM_019035.3	100.0
PCDH19	NM_001184880.1	100.0
PCDH20	NM_022843.3	100.0
PCDH7	NM_002589.2	98.3
PCDH8	NM_002590.3	99.8
PCDH9	NM_020403.4	100.0
PCDHA1	NM_018900.2	100.0
PCDHA10	NM_018901.2	98.6
PCDHA11	NM_018902.3	100.0

PCDHA12	NM_018903.2	100.0
PCDHA13	NM_018904.2	100.0
PCDHA2	NM_018905.2	100.0
PCDHA3	NM_018906.2	100.0
PCDHA4	NM_018907.2	100.0
PCDHA5	NM_018908.2	100.0
PCDHA6	NM_018909.2	100.0
PCDHA7	NM_018910.2	100.0
PCDHA8	NM_018911.2	99.0
PCDHA9	NM_014005.3	98.7
PCDHAC1	NM_018898.3	100.0
PCDHAC2	NM_018899.5	100.0
PCDHB1	NM_013340.2	100.0
PCDHB10	NM_018930.3	99.9
PCDHB11	NM_018931.2	100.0
PCDHB12	NM_018932.3	100.0
PCDHB13	NM_018933.2	100.0
PCDHB14	NM_018934.2	100.0
PCDHB15	NM_018935.2	100.0
PCDHB16	NM_020957.1	100.0
PCDHB2	NM_018936.2	100.0
PCDHB3	NM_018937.2	100.0
PCDHB4	NM_018938.2	100.0
PCDHB5	NM_015669.2	100.0
PCDHB6	NM_018939.2	100.0
PCDHB7	NM_018940.2	100.0
PCDHB8	NM_019120.3	100.0
PCDHB9	NM_019119.3	100.0
PCDHGA1	NM_018912.2	100.0
PCDHGA10	NM_018913.2	100.0
PCDHGA11	NM_018914.2	100.0
PCDHGA12	NM_003735.2	100.0
PCDHGA2	NM_018915.2	100.0
PCDHGA3	NM_018916.3	100.0
PCDHGA4	NM_018917.2	100.0
PCDHGA5	NM_018918.2	100.0
PCDHGA6	NM_018919.2	100.0
PCDHGA7	NM_018920.2	100.0
PCDHGA8	NM_014004.2	100.0
PCDHGA9	NM_018921.2	100.0

PCDHGB1	NM_018922.2	100.0
PCDHGB2	NM_018923.2	100.0
PCDHGB3	NM_018924.2	100.0
PCDHGB4	NM_003736.2	100.0
PCDHGB5	NM_018925.2	100.0
PCDHGB6	NM_018926.2	100.0
PCDHGB7	NM_018927.3	100.0
PCDHGC3	NM_002588.2	100.0
PCDHGC4	NM_018928.2	100.0
PCDHGC5	NM_018929.2	100.0
PCDP1	NM_001271049.1	100.0
PCED1A	NM_022760.4	100.0
PCED1B	NM_138371.2	100.0
PCF11	NM_015885.3	100.0
PCGF1	NM_032673.2	100.0
PCGF2	NM_007144.2	100.0
PCGF3	NM_006315.4	100.0
PCGF5	NM_032373.4	100.0
PCGF6	NM_032154.3	100.0
PCID2	NM_018386.3	100.0
PCIF1	NM_022104.3	100.0
PCK1	NM_002591.3	100.0
PCK2	NM_004563.2	100.0
PCLO	NM_033026.5	100.0
PCM1	NM_006197.3	100.0
PCMT1	NM_005389.2	100.0
PCMTD1	NM_052937.2	100.0
PCMTD2	NM_018257.2	100.0
PCNA	NM_002592.2	100.0
PCNP	NM_020357.1	100.0
PCNT	NM_006031.5	100.0
PCNX	NM_014982.2	100.0
PCNXL2	NM_014801.3	100.0
PCNXL3	NM_032223.2	100.0
PCNXL4	NM_022495.5	100.0
PCOLCE	NM_002593.3	100.0
PCOLCE2	NM_013363.3	100.0
PCP2	NM_174895.2	100.0
PCP4	NM_006198.2	100.0
PCP4L1	NM_001102566.1	100.0

PCSK1	NM_000439.4	100.0
PCSK1N	NM_013271.3	98.8
PCSK2	NM_002594.3	100.0
PCSK4	NM_017573.3	100.0
PCSK5	NM_001190482.1	100.0
PCSK6	NM_002570.3	94.6
PCSK7	NM_004716.2	100.0
PCSK9	NM_174936.3	100.0
PCTP	NM_021213.3	100.0
PCYOX1	NM_016297.3	100.0
PCYOX1L	NM_024028.3	100.0
PCYT1A	NM_005017.2	100.0
PCYT1B	NM_004845.4	100.0
PCYT2	NM_002861.3	99.2
PDAP1	NM_014891.6	100.0
PDC	NM_002597.4	100.0
PDCD1	NM_005018.2	100.0
PDCD10	NM_145860.1	100.0
PDCD11	NM_014976.1	100.0
PDCD1LG2	NM_025239.3	100.0
PDCD2	NM_002598.3	98.7
PDCD2L	NM_032346.1	100.0
PDCD4	NM_014456.4	100.0
PDCD5	NM_004708.3	100.0
PDCD6	NM_013232.3	100.0
PDCD6IP	NM_001162429.2	100.0
PDCD7	NM_005707.1	87.8
PDCL	NM_005388.4	100.0
PDCL2	NM_152401.2	100.0
PDCL3	NM_024065.4	100.0
PDDC1	NM_182612.2	100.0
PDE10A	NM_001130690.2	100.0
PDE11A	NM_016953.3	100.0
PDE12	NM_177966.5	100.0
PDE1A	NM_005019.4	100.0
PDE1B	NM_000924.3	100.0
PDE1C (DFNA74)	NM_005020.2	100.0
PDE2A	NM_002599.4	100.0
PDE3A	NM_000921.4	100.0
PDE3B	NM_000922.3	100.0

PDE4A	NM_006202.2	100.0
PDE4B	NM_002600.3	100.0
PDE4C	NM_000923.4	100.0
PDE4D	NM_001104631.1	99.0
PDE4DIP	NM_014644.5	100.0
PDE5A	NM_033430.2	100.0
PDE6A	NM_000440.2	100.0
PDE6B	NM_000283.3	100.0
PDE6C	NM_006204.3	100.0
PDE6D	NM_002601.2	100.0
PDE6G	NM_002602.3	100.0
PDE6H	NM_006205.2	100.0
PDE7A	NM_002603.3	100.0
PDE7B	NM_018945.3	100.0
PDE8A	NM_002605.2	99.9
PDE8B	NM_003719.3	99.9
PDE9A	NM_002606.2	100.0
PDF	NM_022341.1	98.8
PDGFA	NM_002607.5	100.0
PDGFB	NM_002608.2	100.0
PDGFC	NM_016205.2	100.0
PDGFD	NM_025208.4	100.0
PDGFRA	NM_006206.4	100.0
PDGFRB	NM_002609.3	100.0
PDGFRL	NM_006207.2	100.0
PDHA1	NM_000284.3	100.0
PDHA2	NM_005390.4	100.0
PDHB	NM_000925.3	100.0
PDHX	NM_003477.2	100.0
PDIA2	NM_006849.2	100.0
PDIA3	NM_005313.4	100.0
PDIA4	NM_004911.4	100.0
PDIA5	NM_006810.3	100.0
PDIA6	NM_005742.2	100.0
PDIK1L	NM_152835.4	100.0
PDILT	NM_174924.1	100.0
PDK1	NM_002610.4	99.4
PDK2	NM_002611.4	100.0
PDK3	NM_001142386.2	100.0
PDK4	NM_002612.3	100.0

PDLIM1	NM_020992.3	100.0
PDLIM2	NM_021630.5	99.1
PDLIM3	NM_014476.5	100.0
PDLIM4	NM_003687.3	100.0
PDLIM5	NM_006457.4	100.0
PDLIM7	NM_005451.4	100.0
PDP1	NM_018444.3	100.0
PDP2	NM_020786.2	100.0
PDPK1	NM_002613.4	99.9
PDPN	NM_006474.4	100.0
PDPR	NM_017990.3	100.0
PDRG1	NM_030815.2	100.0
PDS5A	NM_001100399.1	100.0
PDS5B	NM_015032.3	100.0
PDSS1	NM_014317.3	99.3
PDSS2	NM_020381.3	100.0
PDX1	NM_000209.3	99.3
PDXK	NM_003681.4	100.0
PDXP	NM_020315.4	80.8
PDYN	NM_024411.4	100.0
PDZD11	NM_016484.4	100.0
PDZD2	NM_178140.2	100.0
PDZD3	NM_024791.3	100.0
PDZD4	NM_032512.2	100.0
PDZD7	NM_001195263.1	100.0
PDZD8	NM_173791.3	100.0
PDZD9	NM_173806.3	100.0
PDZK1	NM_002614.4	100.0
PDZK1IP1	NM_005764.3	100.0
PDZRN3	NM_015009.1	98.4
PDZRN4	NM_013377.3	100.0
PEA15	NM_003768.3	100.0
PEAK1	NM_024776.3	100.0
PEAR1	NM_001080471.1	100.0
PEBP1	NM_002567.2	100.0
PEBP4	NM_144962.2	100.0
PECAM1	NM_000442.4	62.5
PECR	NM_018441.5	100.0
PEF1	NM_012392.3	100.0
PEG10	NM_015068.3	100.0

PEG3	NM_006210.2	100.0
PELI1	NM_020651.3	100.0
PELI2	NM_021255.2	100.0
PELI3	NM_145065.2	100.0
PELO	NM_015946.4	100.0
PELP1	NM_014389.2	100.0
PEMT	NM_007169.2	100.0
PENK	NM_006211.3	100.0
PEPD	NM_000285.3	100.0
PER1	NM_002616.2	100.0
PER2	NM_022817.2	100.0
PER3	NM_016831.1	100.0
PERP	NM_022121.4	100.0
PES1	NM_014303.3	100.0
PET100	NM_001171155.1	100.0
PET112	NM_004564.2	100.0
PET117	NM_001164811.1	100.0
PEX1	NM_000466.2	100.0
PEX10	NM_153818.1	98.7
PEX11A	NM_003847.2	100.0
PEX11B	NM_003846.2	100.0
PEX11G	NM_080662.3	100.0
PEX12	NM_000286.2	100.0
PEX13	NM_002618.3	100.0
PEX14	NM_004565.2	100.0
PEX16	NM_004813.2	100.0
PEX19	NM_002857.3	100.0
PEX2	NM_000318.2	100.0
PEX26	NM_017929.5	100.0
PEX3	NM_003630.2	100.0
PEX5	NM_001131025.1	100.0
PEX5L	NM_016559.2	100.0
PEX6	NM_000287.3	99.8
PEX7	NM_000288.3	99.8
PF4	NM_002619.3	100.0
PF4V1	NM_002620.2	100.0
PFAS	NM_012393.2	100.0
PFDN1	NM_002622.4	100.0
PFDN2	NM_012394.3	100.0
PFDN4	NM_002623.3	100.0

PFDN5	NM_002624.3	100.0
PFDN6	NM_014260.3	100.0
PFKFB1	NM_002625.3	100.0
PFKFB2	NM_006212.2	100.0
PFKFB3	NM_004566.3	100.0
PFKFB4	NM_004567.2	100.0
PFKL	NM_002626.4	99.9
PFKM	NM_000289.5	100.0
PFKP	NM_002627.4	100.0
PFN1	NM_005022.3	100.0
PFN2	NM_002628.4	100.0
PFN3	NM_001029886.2	100.0
PFN4	NM_199346.1	100.0
PGA3	NM_001079807.1	99.5
PGA4	NM_001079808.1	100.0
PGA5	NM_014224.2	100.0
PGAM1	NM_002629.2	100.0
PGAM2	NM_000290.3	100.0
PGAM4	NM_001029891.2	100.0
PGAM5	NM_001170543.1	94.0
PGAP1	NM_024989.3	100.0
PGAP2	NM_001256240.1	100.0
PGAP3	NM_033419.3	100.0
PGBD1	NM_032507.3	100.0
PGBD2	NM_170725.2	100.0
PGBD3	NM_170753.3	100.0
PGBD4	NM_152595.4	100.0
PGBD5	NM_001258311.1	99.1
PGC	NM_002630.3	100.0
PGD	NM_002631.2	100.0
PGF	NM_002632.5	100.0
PGGT1B	NM_005023.3	100.0
PGK1	NM_000291.3	100.0
PGK2	NM_138733.4	100.0
PGLS	NM_012088.2	100.0
PGLYRP1	NM_005091.2	100.0
PGLYRP2	NM_052890.3	100.0
PGLYRP3	NM_052891.1	100.0
PGLYRP4	NM_020393.2	100.0
PGM1	NM_002633.2	100.0

PGM2	NM_018290.3	100.0
PGM2L1	NM_173582.3	100.0
PGM3	NM_001199917.1	100.0
PGM5	NM_021965.3	100.0
PGP	NM_001042371.2	95.7
PGPEP1	NM_017712.2	100.0
PGPEP1L	NM_001102612.2	96.5
PGR	NM_000926.4	99.6
PGRMC1	NM_006667.3	100.0
PGRMC2	NM_006320.4	100.0
PGS1	NM_024419.3	100.0
PHACTR1	NM_030948.2	100.0
PHACTR2	NM_014721.2	100.0
PHACTR3	NM_080672.4	100.0
PHACTR4	NM_023923.3	100.0
PHAX	NM_032177.3	100.0
PHB	NM_002634.3	100.0
PHB2	NM_001144831.1	100.0
PHC1	NM_004426.2	100.0
PHC2	NM_198040.2	100.0
PHC3	NM_024947.3	100.0
PHEX	NM_000444.4	100.0
PHF1	NM_002636.4	100.0
PHF10	NM_018288.3	99.2
PHF11	NM_001040443.1	100.0
PHF12	NM_020889.2	100.0
PHF13	NM_153812.2	100.0
PHF14	NM_014660.3	100.0
PHF15	NM_015288.4	100.0
PHF16	NM_014735.3	100.0
PHF17	NM_024900.3	100.0
PHF19	NM_015651.1	100.0
PHF2	NM_005392.3	100.0
PHF20	NM_016436.4	100.0
PHF20L1	NM_016018.4	100.0
PHF21B	NM_138415.4	100.0
PHF23	NM_024297.2	100.0
PHF3	NM_015153.2	100.0
PHF5A	NM_032758.3	100.0
PHF6	NM_032458.2	100.0

PHF7	NM_016483.5	100.0
PHF8	NM_015107.2	100.0
PHGDH	NM_006623.3	100.0
PHGR1	NM_001145643.1	100.0
PHIP	NM_017934.5	100.0
PHKA1	NM_002637.3	100.0
PHKA2	NM_000292.2	100.0
PHKB	NM_000293.2	100.0
PHKG1	NM_006213.4	100.0
PHKG2	NM_000294.2	100.0
PHLDA1	NM_007350.3	100.0
PHLDA3	NM_012396.3	100.0
PHLDB1	NM_015157.3	100.0
PHLDB2	NM_145753.2	100.0
PHLDB3	NM_198850.3	100.0
PHLPP1	NM_194449.3	93.9
PHLPP2	NM_015020.2	100.0
PHOSPHO1	NM_178500.3	100.0
PHOSPHO2	NM_001008489.3	100.0
PHOSPHO2-KLHL23	NM_001199290.1	100.0
PHOX2A	NM_005169.3	96.2
PHOX2B	NM_003924.3	93.2
PHPT1	NM_014172.4	100.0
PHRF1	NM_020901.2	100.0
PHTF1	NM_006608.2	100.0
PHTF2	NM_020432.4	100.0
PHYH	NM_006214.3	100.0
PHYHD1	NM_174933.3	100.0
PHYHIP	NM_014759.3	100.0
PHYHIPL	NM_032439.3	100.0
PHYKPL	NM_153373.3	100.0
PI15	NM_015886.3	100.0
PI16	NM_153370.2	100.0
PI3	NM_002638.3	100.0
PI4K2A	NM_018425.2	96.4
PI4K2B	NM_018323.3	100.0
PI4KA	NM_002650.2	99.8
PI4KB	NM_002651.2	100.0
PIANP	NM_153685.3	100.0
PIAS1	NM_016166.1	100.0

PIAS2	NM_004671.3	100.0
PIAS3	NM_006099.3	100.0
PIAS4	NM_015897.2	100.0
PIBF1	NM_006346.2	100.0
PICALM	NM_007166.3	100.0
PICK1	NM_012407.3	100.0
PID1	NM_017933.4	100.0
PIDD	NM_145886.3	100.0
PIEZO1	NM_001142864.2	100.0
PIEZO2	NM_022068.2	100.0
PIF1	NM_025049.2	97.9
PIFO	NM_181643.4	100.0
PIGA	NM_002641.3	100.0
PIGB	NM_004855.4	100.0
PIGC	NM_002642.3	100.0
PIGF	NM_002643.3	100.0
PIGG	NM_017733.3	100.0
PIGH	NM_004569.3	100.0
PIGK	NM_005482.2	100.0
PIGL	NM_004278.3	100.0
PIGM	NM_145167.2	100.0
PIGN	NM_176787.4	100.0
PIGO	NM_032634.3	100.0
PIGP	NM_153681.2	100.0
PIGQ	NM_004204.3	100.0
PIGR	NM_002644.3	100.0
PIGS	NM_033198.3	100.0
PIGT	NM_015937.5	100.0
PIGU	NM_080476.4	100.0
PIGV	NM_017837.3	100.0
PIGW	NM_178517.3	100.0
PIGX	NM_017861.3	88.2
PIGY	NM_001042616.2	100.0
PIGZ	NM_025163.3	100.0
PIH1D1	NM_017916.2	100.0
PIH1D2	NM_138789.3	100.0
PIH1D3	NM_173494.1	100.0
PIK3AP1	NM_152309.2	100.0
PIK3C2A	NM_002645.2	100.0
PIK3C2B	NM_002646.3	100.0

PIK3C2G	NM_004570.4	100.0
PIK3C3	NM_002647.2	100.0
PIK3CA	NM_006218.2	100.0
PIK3CB	NM_006219.2	100.0
PIK3CD	NM_005026.3	100.0
PIK3CG	NM_002649.2	100.0
PIK3IP1	NM_052880.4	100.0
PIK3R1	NM_181523.2	100.0
PIK3R2	NM_005027.3	94.6
PIK3R3	NM_003629.3	100.0
PIK3R4	NM_014602.2	100.0
PIK3R5	NM_001142633.2	100.0
PIK3R6	NM_001010855.2	100.0
PIKFYVE	NM_015040.3	100.0
PILRA	NM_013439.2	100.0
PILRB	NM_178238.3	100.0
PIM1	NM_002648.3	100.0
PIM2	NM_006875.3	100.0
PIM3	NM_001001852.3	99.9
PIN1	NM_006221.3	100.0
PIN4	NM_006223.3	100.0
PINK1	NM_032409.2	97.5
PINLYP	NM_001193621.1	100.0
PINX1	NM_017884.4	100.0
PIP	NM_002652.2	100.0
PIP4K2A	NM_005028.4	100.0
PIP4K2B	NM_003559.4	100.0
PIP4K2C	NM_024779.4	100.0
PIP5K1A	NM_003557.2	100.0
PIP5K1B	NM_003558.3	100.0
PIP5K1C	NM_012398.2	100.0
PIP5KL1	NM_173492.1	100.0
PIPOX	NM_016518.2	100.0
PIR	NM_003662.3	100.0
PIRT	NM_001101387.1	100.0
PISD	NM_014338.3	100.0
PITHD1	NM_020362.4	99.9
PITPNA	NM_006224.3	100.0
PITPNB	NM_012399.3	100.0
PITPNC1	NM_012417.3	100.0

PITPNM1	NM_004910.2	100.0
PITPNM2	NM_020845.2	100.0
PITPNM3	NM_031220.3	100.0
PITRM1	NM_001242309.1	100.0
PITX1	NM_002653.4	100.0
PITX2	NM_153427.2	100.0
PITX3	NM_005029.3	99.9
PIWIL1	NM_004764.4	100.0
PIWIL2	NM_018068.3	100.0
PIWIL3	NM_001008496.3	100.0
PIWIL4	NM_152431.2	100.0
PJA1	NM_022368.4	100.0
PJA2	NM_014819.4	100.0
PKD1	NM_001009944.2	98.7
PKD1L1	NM_138295.3	100.0
PKD1L2	NM_052892.3	100.0
PKD1L3	NM_181536.1	100.0
PKD2	NM_000297.3	97.3
PKD2L1	NM_016112.2	100.0
PKD2L2	NM_014386.3	100.0
PKDCC	NM_138370.2	92.9
PKDREJ	NM_006071.1	97.1
PKHD1	NM_138694.3	100.0
PKHD1L1	NM_177531.4	100.0
PKIA	NM_006823.3	100.0
PKIB	NM_032471.5	100.0
PKIG	NM_007066.4	100.0
PKLR	NM_000298.5	100.0
PKM	NM_002654.4	100.0
PKMYT1	NM_004203.4	100.0
PKN1	NM_002741.3	100.0
PKN2	NM_006256.2	100.0
PKN3	NM_013355.3	100.0
PKNOX1	NM_004571.3	100.0
PKNOX2	NM_022062.2	100.0
PKP1	NM_001005337.2	100.0
PKP2	NM_004572.3	100.0
PKP3	NM_007183.2	99.8
PKP4	NM_003628.3	100.0
PLA1A	NM_015900.3	100.0

PLA2G10	NM_003561.1	100.0
PLA2G12A	NM_030821.4	100.0
PLA2G12B	NM_032562.2	100.0
PLA2G15	NM_012320.3	100.0
PLA2G16	NM_007069.3	100.0
PLA2G1B	NM_000928.2	100.0
PLA2G2A	NM_000300.3	100.0
PLA2G2C	NM_001105572.1	100.0
PLA2G2D	NM_012400.3	100.0
PLA2G2E	NM_014589.2	100.0
PLA2G2F	NM_022819.3	100.0
PLA2G3	NM_015715.3	100.0
PLA2G4A	NM_024420.2	100.0
PLA2G4B	NM_001114633.1	100.0
PLA2G4C	NM_003706.2	100.0
PLA2G4D	NM_178034.3	100.0
PLA2G4E	NM_001206670.1	100.0
PLA2G4F	NM_213600.3	100.0
PLA2G5	NM_000929.2	100.0
PLA2G6	NM_003560.2	100.0
PLA2G7	NM_005084.3	100.0
PLA2R1	NM_007366.4	100.0
PLAA	NM_001031689.2	100.0
PLAC1	NM_021796.3	100.0
PLAC1L	NM_173801.3	100.0
PLAC4	NM_182832.2	100.0
PLAC8	NM_016619.2	100.0
PLAC8L1	NM_001029869.1	100.0
PLAC9	NM_001012973.1	100.0
PLAG1	NM_002655.2	100.0
PLAGL1	NM_001080951.1	100.0
PLAGL2	NM_002657.3	100.0
PLAT	NM_000930.3	100.0
PLAU	NM_002658.3	100.0
PLAUR	NM_002659.3	100.0
PLB1	NM_153021.4	100.0
PLBD1	NM_024829.5	100.0
PLBD2	NM_173542.3	100.0
PLCB1	NM_015192.3	100.0
PLCB2	NM_004573.2	100.0

PLCB3	NM_000932.2	100.0
PLCB4	NM_000933.3	100.0
PLCD1	NM_001130964.1	100.0
PLCD3	NM_133373.3	99.5
PLCD4	NM_032726.3	100.0
PLCE1	NM_016341.3	100.0
PLCG1	NM_002660.2	99.9
PLCG2	NM_002661.3	100.0
PLCH1	NM_014996.2	100.0
PLCH2	NM_014638.2	100.0
PLCL1	NM_006226.3	99.9
PLCL2	NM_015184.5	100.0
PLCXD1	NM_018390.3	50.0
PLCXD2	NM_153268.3	100.0
PLCXD3	NM_001005473.2	100.0
PLCZ1	NM_033123.3	100.0
PLD1	NM_002662.4	100.0
PLD2	NM_002663.4	100.0
PLD3	NM_012268.2	100.0
PLD4	NM_138790.2	100.0
PLD5	NM_152666.2	100.0
PLD6	NM_178836.3	100.0
PLEC	NM_000445.3	100.0
PLEK	NM_002664.2	100.0
PLEK2	NM_016445.1	100.0
PLEKHA1	NM_021622.4	100.0
PLEKHA2	NM_021623.1	99.9
PLEKHA3	NM_019091.3	100.0
PLEKHA4	NM_020904.2	100.0
PLEKHA5	NM_019012.5	100.0
PLEKHA6	NM_014935.4	100.0
PLEKHA7	NM_175058.4	100.0
PLEKHA8	NM_032639.3	100.0
PLEKHB1	NM_021200.2	100.0
PLEKHB2	NM_017958.2	100.0
PLEKHD1	NM_001161498.1	100.0
PLEKHF1	NM_024310.4	100.0
PLEKHF2	NM_024613.3	100.0
PLEKHG1	NM_001029884.1	100.0
PLEKHG2	NM_022835.2	100.0

PLEKHG3	NM_015549.1	100.0
PLEKHG4	NM_015432.3	100.0
PLEKHG4B	NM_052909.3	100.0
PLEKHG5	NM_020631.4	100.0
PLEKHG6	NM_018173.3	100.0
PLEKHG7	NM_001004330.2	100.0
PLEKHH1	NM_020715.2	100.0
PLEKHH2	NM_172069.3	100.0
PLEKHH3	NM_024927.4	96.9
PLEKHJ1	NM_018049.1	100.0
PLEKHM1	NM_014798.2	100.0
PLEKHM2	NM_015164.2	100.0
PLEKHM3	NM_001080475.2	100.0
PLEKHN1	NM_032129.2	100.0
PLEKHO1	NM_016274.4	100.0
PLEKHO2	NM_025201.4	100.0
PLEKHS1	NM_024889.4	100.0
PLG	NM_000301.3	100.0
PLGRKT	NM_018465.3	100.0
PLIN1	NM_002666.4	98.0
PLIN2	NM_001122.3	100.0
PLIN3	NM_005817.4	100.0
PLIN4	NM_001080400.1	100.0
PLIN5	NM_001013706.2	100.0
PLK1	NM_005030.3	100.0
PLK1S1	NM_018474.4	100.0
PLK2	NM_006622.3	100.0
PLK3	NM_004073.2	99.7
PLK4	NM_014264.4	100.0
PLK5	NM_001243079.1	100.0
PLL	NM_015993.2	100.0
PLN	NM_002667.3	100.0
PLOD1	NM_000302.3	100.0
PLOD2	NM_182943.2	100.0
PLOD3	NM_001084.4	100.0
PLP1	NM_000533.3	100.0
PLP2	NM_002668.2	100.0
PLRG1	NM_002669.3	100.0
PLS1	NM_002670.2	100.0
PLS3	NM_005032.5	100.0

PLSCR1	NM_021105.2	100.0
PLSCR2	NM_001199978.1	100.0
PLSCR3	NM_020360.3	100.0
PLSCR4	NM_020353.2	100.0
PLSCR5	NM_001085420.1	100.0
PLTP	NM_006227.3	100.0
PLVAP	NM_031310.1	100.0
PLXDC1	NM_020405.4	100.0
PLXDC2	NM_032812.7	100.0
PLXNA1	NM_032242.3	100.0
PLXNA2	NM_025179.3	100.0
PLXNA3	NM_017514.3	100.0
PLXNA4	NM_020911.1	100.0
PLXNB1	NM_002673.4	100.0
PLXNB2	NM_012401.3	100.0
PLXNB3	NM_005393.2	100.0
PLXNC1	NM_005761.2	99.9
PLXND1	NM_015103.2	98.5
PM20D1	NM_152491.4	100.0
PM20D2	NM_001010853.2	100.0
PMAIP1	NM_021127.2	100.0
PMCH	NM_002674.2	100.0
PMEL	NM_006928.4	100.0
PMEPA1	NM_020182.4	100.0
PMF1	NM_007221.3	100.0
PMF1-BGLAP	NM_001199661.1	100.0
PMFBP1	NM_031293.2	100.0
PML	NM_033238.2	100.0
PMM1	NM_002676.2	100.0
PMM2	NM_000303.2	100.0
PMP2	NM_002677.3	100.0
PMP22	NM_000304.3	100.0
PMPCA	NM_015160.1	100.0
PMPCB	NM_004279.2	100.0
PMS1	NM_000534.4	100.0
PMS2	NM_000535.5	100.0
PMVK	NM_006556.3	100.0
PNCK	NM_001039582.3	98.6
PNISR	NM_015491.1	100.0
PNKD	NM_015488.4	100.0

PNKP	NM_007254.3	100.0
PNLDC1	NM_173516.2	100.0
PNLIP	NM_000936.2	100.0
PNLIPRP1	NM_006229.2	100.0
PNLIPRP2	NM_005396.4	100.0
PNLIPRP3	NM_001011709.2	100.0
PNMA1	NM_006029.4	100.0
PNMA2	NM_007257.5	100.0
PNMA3	NM_013364.4	100.0
PNMA5	NM_052926.2	100.0
PNMAL1	NM_018215.3	100.0
PNMAL2	NM_020709.1	99.1
PNMT	NM_002686.4	100.0
PNN	NM_002687.3	100.0
PNO1	NM_020143.2	100.0
PNOC	NM_006228.3	100.0
PNP	NM_000270.3	100.0
PNPLA1	NM_001145717.1	100.0
PNPLA2	NM_020376.3	100.0
PNPLA3	NM_025225.2	100.0
PNPLA4	NM_004650.2	100.0
PNPLA5	NM_138814.3	100.0
PNPLA6	NM_006702.4	100.0
PNPLA7	NM_152286.3	100.0
PNPLA8	NM_015723.3	100.0
PNPO	NM_018129.3	100.0
PNPT1	NM_033109.4	100.0
PNRC1	NM_006813.2	98.8
PNRC2	NM_017761.3	100.0
POC1A	NM_015426.4	100.0
POC1B	NM_172240.2	100.0
POC1B-GALNT4	NM_001199781.1	100.0
POC5	NM_152408.2	100.0
PODN	NM_153703.4	100.0
PODNL1	NM_024825.3	100.0
PODXL	NM_005397.3	100.0
PODXL2	NM_015720.3	100.0
POF1B	NM_024921.3	100.0
POFUT1	NM_015352.1	100.0
POFUT2	NM_015227.4	100.0

POGK	NM_017542.3	100.0
POGLUT1	NM_152305.2	100.0
POGZ	NM_015100.3	100.0
POLA1	NM_016937.3	100.0
POLA2	NM_002689.2	100.0
POLB	NM_002690.2	100.0
POLD1	NM_002691.3	100.0
POLD2	NM_006230.3	100.0
POLD3	NM_006591.2	100.0
POLD4	NM_021173.4	100.0
POLDIP2	NM_015584.3	100.0
POLDIP3	NM_032311.4	100.0
POLE	NM_006231.2	100.0
POLE2	NM_002692.3	100.0
POLE3	NM_017443.4	100.0
POLE4	NM_019896.2	100.0
POLG	NM_002693.2	100.0
POLG2	NM_007215.3	100.0
POLH	NM_006502.2	100.0
POLI	NM_007195.2	100.0
POLK	NM_016218.2	100.0
POLL	NM_013274.3	100.0
POLM	NM_013284.2	100.0
POLN	NM_181808.2	100.0
POLQ	NM_199420.3	100.0
POLR1A	NM_015425.3	100.0
POLR1B	NM_019014.4	100.0
POLR1C	NM_203290.2	100.0
POLR1D	NM_015972.3	100.0
POLR1E	NM_022490.1	100.0
POLR2A	NM_000937.4	100.0
POLR2B	NM_000938.1	100.0
POLR2C	NM_032940.2	100.0
POLR2D	NM_004805.3	100.0
POLR2E	NM_002695.3	100.0
POLR2F	NM_021974.3	100.0
POLR2G	NM_002696.2	100.0
POLR2H	NM_006232.3	100.0
POLR2I	NM_006233.4	100.0
POLR2J	NM_006234.4	100.0

POLR2J2	NM_032959.5	99.0
POLR2J3	NM_001097615.2	100.0
POLR2K	NM_005034.3	100.0
POLR2L	NM_021128.4	100.0
POLR2M	NM_015532.3	100.0
POLR3A	NM_007055.3	100.0
POLR3B	NM_018082.5	100.0
POLR3C	NM_006468.6	100.0
POLR3D	NM_001722.2	100.0
POLR3E	NM_018119.3	100.0
POLR3F	NM_006466.2	100.0
POLR3G	NM_006467.2	100.0
POLR3GL	NM_032305.1	100.0
POLR3H	NM_138338.3	100.0
POLR3K	NM_016310.3	100.0
POLRMT	NM_005035.3	99.8
POM121	NM_172020.4	100.0
POM121C	NM_001099415.2	99.9
POM121L12	NM_182595.3	100.0
POM121L2	NM_033482.3	100.0
POMC	NM_001035256.1	100.0
POMGNT1	NM_017739.3	100.0
POMP	NM_015932.5	100.0
POMT1	NM_007171.3	100.0
POMT2	NM_013382.5	100.0
POMZP3	NM_012230.3	100.0
PON1	NM_000446.5	100.0
PON2	NM_000305.2	100.0
PON3	NM_000940.2	100.0
POP1	NM_015029.2	100.0
POP4	NM_006627.2	100.0
POP5	NM_015918.3	100.0
POP7	NM_005837.2	100.0
POPDC2	NM_022135.2	100.0
POPDC3	NM_022361.4	100.0
POR	NM_000941.2	100.0
PORCN	NM_203475.1	100.0
POSTN	NM_006475.2	100.0
POT1	NM_015450.2	100.0
POTEA	NM_001002920.1	100.0

POTEB	NM_207355.2	100.0
POTEB2	NM_001277303.1	100.0
POTEC	NM_001137671.1	100.0
POTED	NM_174981.3	97.5
POU1F1	NM_000306.2	100.0
POU2AF1	NM_006235.2	100.0
POU2F1	NM_002697.3	100.0
POU2F2	NM_002698.4	100.0
POU2F3	NM_014352.3	100.0
POU3F1	NM_002699.3	76.7
POU3F2	NM_005604.3	99.0
POU3F3	NM_006236.1	78.7
POU3F4	NM_000307.4	100.0
POU4F1	NM_006237.3	82.9
POU4F2	NM_004575.2	99.3
POU4F3	NM_002700.2	100.0
POU5F1	NM_203289.4	100.0
POU5F1B	NM_001159542.1	100.0
POU5F2	NM_153216.1	100.0
POU6F1	NM_002702.3	100.0
POU6F2	NM_007252.3	100.0
PP2D1	NM_001252657.1	100.0
PPA1	NM_021129.3	100.0
PPA2	NM_006903.4	100.0
PPAN	NM_020230.5	100.0
PPAN-P2RY11	NM_001040664.2	100.0
PPAP2A	NM_003711.3	100.0
PPAP2B	NM_003713.4	100.0
PPAP2C	NM_003712.3	100.0
PPAPDC1A	NM_001030059.1	100.0
PPAPDC1B	NM_032483.3	100.0
PPAPDC2	NM_203453.3	100.0
PPAPDC3	NM_032728.3	100.0
PPARA	NM_005036.4	100.0
PPARD	NM_006238.4	100.0
PPARG	NM_015869.4	100.0
PPARGC1A	NM_013261.3	100.0
PPARGC1B	NM_133263.3	100.0
PPAT	NM_002703.4	100.0
PPBP	NM_002704.3	100.0

PPCDC	NM_021823.3	100.0
PPCS	NM_024664.2	100.0
PPDPF	NM_024299.2	100.0
PPEF1	NM_006240.2	100.0
PPEF2	NM_006239.2	100.0
PPFIA1	NM_003626.3	100.0
PPFIA2	NM_003625.3	100.0
PPFIA3	NM_003660.3	100.0
PPFIA4	NM_015053.1	100.0
PPFIBP1	NM_003622.3	100.0
PPFIBP2	NM_003621.3	100.0
PPHLN1	NM_016488.6	100.0
PPIA	NM_021130.3	100.0
PPIB	NM_000942.4	100.0
PPIC	NM_000943.4	100.0
PPID	NM_005038.2	100.0
PPIE	NM_006112.3	100.0
PPIF	NM_005729.3	99.8
PPIG	NM_004792.2	100.0
PPIH	NM_006347.3	100.0
PPIL1	NM_016059.4	100.0
PPIL2	NM_014337.3	100.0
PPIL3	NM_032472.3	100.0
PPIL4	NM_139126.3	100.0
PPIL6	NM_173672.4	99.8
PPIP5K1	NM_014659.5	100.0
PPIP5K2	NM_001281471.1	100.0
PPL	NM_002705.4	100.0
PPM1A	NM_021003.4	100.0
PPM1B	NM_002706.4	100.0
PPM1D	NM_003620.3	100.0
PPM1E	NM_014906.4	100.0
PPM1F	NM_014634.3	100.0
PPM1G	NM_177983.2	100.0
PPM1H	NM_020700.1	100.0
PPM1J	NM_005167.5	99.7
PPM1K	NM_152542.4	100.0
PPM1L	NM_139245.2	100.0
PPM1M	NM_144641.3	98.0
PPM1N	NM_001080401.1	100.0

PPME1	NM_016147.2	100.0
PPOX	NM_000309.3	100.0
PPP1CA	NM_002708.3	100.0
PPP1CB	NM_206876.1	100.0
PPP1CC	NM_002710.3	100.0
PPP1R10	NM_002714.3	100.0
PPP1R11	NM_021959.2	100.0
PPP1R12A	NM_002480.2	100.0
PPP1R12B	NM_002481.3	100.0
PPP1R12C	NM_017607.3	92.1
PPP1R13B	NM_015316.2	100.0
PPP1R13L	NM_006663.3	99.8
PPP1R14A	NM_033256.2	100.0
PPP1R14B	NM_138689.2	93.9
PPP1R14C	NM_030949.2	99.0
PPP1R14D	NM_017726.7	100.0
PPP1R15A	NM_014330.3	100.0
PPP1R15B	NM_032833.3	100.0
PPP1R16A	NM_032902.5	100.0
PPP1R16B	NM_015568.2	100.0
PPP1R17	NM_006658.4	100.0
PPP1R18	NM_133471.3	100.0
PPP1R1A	NM_006741.3	100.0
PPP1R1B	NM_032192.3	100.0
PPP1R1C	NM_001080545.2	100.0
PPP1R2	NM_006241.4	100.0
PPP1R21	NM_152994.4	100.0
PPP1R26	NM_014811.3	100.0
PPP1R27	NM_001007533.3	100.0
PPP1R32	NM_145017.2	100.0
PPP1R35	NM_145030.2	93.9
PPP1R36	NM_172365.1	100.0
PPP1R37	NM_019121.1	99.9
PPP1R3A	NM_002711.3	100.0
PPP1R3B	NM_024607.3	100.0
PPP1R3C	NM_005398.5	100.0
PPP1R3D	NM_006242.3	92.4
PPP1R3E	NM_001276318.1	97.5
PPP1R3F	NM_033215.4	95.6
PPP1R3G	NM_001145115.1	99.1

PPP1R42	NM_001013626.2	100.0
PPP1R7	NM_002712.1	100.0
PPP1R8	NM_002713.3	100.0
PPP1R9A	NM_017650.2	100.0
PPP1R9B	NM_032595.3	99.3
PPP2CA	NM_002715.2	100.0
PPP2CB	NM_001009552.1	100.0
PPP2R1A	NM_014225.5	100.0
PPP2R1B	NM_002716.4	100.0
PPP2R2A	NM_002717.3	100.0
PPP2R2B	NM_181678.2	100.0
PPP2R2C	NM_001206994.1	100.0
PPP2R2D	NM_018461.3	100.0
PPP2R3A	NM_002718.4	100.0
PPP2R3B	NM_013239.4	49.7
PPP2R3C	NM_017917.2	100.0
PPP2R4	NM_021131.4	100.0
PPP2R5A	NM_006243.3	100.0
PPP2R5B	NM_006244.3	100.0
PPP2R5C	NM_002719.3	100.0
PPP2R5D	NM_006245.3	100.0
PPP2R5E	NM_006246.2	100.0
PPP3CA	NM_000944.4	100.0
PPP3CB	NM_021132.2	100.0
PPP3CC	NM_005605.4	100.0
PPP3R1	NM_000945.3	100.0
PPP3R2	NM_147180.2	100.0
PPP4C	NM_002720.1	100.0
PPP4R1	NM_005134.3	100.0
PPP4R2	NM_174907.2	100.0
PPP4R4	NM_020958.2	100.0
PPP5C	NM_006247.3	100.0
PPP5D1	NM_001205281.1	100.0
PPP6C	NM_002721.4	100.0
PPP6R1	NM_014931.3	100.0
PPP6R2	NM_014678.4	100.0
PPP6R3	NM_001164160.1	100.0
PPRC1	NM_015062.3	100.0
PPT1	NM_000310.3	100.0
PPT2	NM_005155.6	100.0

PPTC7	NM_139283.1	100.0
PPWD1	NM_015342.3	100.0
PPY	NM_002722.3	100.0
PQBP1	NM_005710.2	100.0
PQLC1	NM_025078.4	100.0
PQLC2	NM_017765.2	100.0
PQLC3	NM_152391.3	100.0
PRAC	NM_032391.2	100.0
PRADC1	NM_032319.1	100.0
PRAF2	NM_007213.1	100.0
PRAM1	NM_032152.4	100.0
PRAME	NM_006115.3	100.0
PRAMEF1	NM_023013.2	100.0
PRAMEF11	NM_001146344.1	99.9
PRAMEF12	NM_001080830.1	100.0
PRAMEF18	NM_001099850.1	100.0
PRAMEF19	NM_001099790.1	100.0
PRAMEF2	NM_023014.1	99.1
PRAMEF20	NM_001099852.1	100.0
PRAMEF21	NM_001100114.1	96.8
PRAMEF22	NM_001100631.1	98.5
PRAMEF3	NM_001013692.1	90.4
PRAP1	NM_145202.4	100.0
PRB1	NM_005039.3	97.7
PRB2	NM_006248.3	100.0
PRB3	NM_006249.4	99.8
PRB4	NM_002723.4	100.0
PRC1	NM_003981.3	100.0
PRCC	NM_005973.4	100.0
PRCD	NM_001077620.2	100.0
PRCP	NM_005040.2	100.0
PRDM1	NM_001198.3	100.0
PRDM10	NM_020228.2	100.0
PRDM11	NM_001256695.1	100.0
PRDM12	NM_021619.2	89.5
PRDM13	NM_021620.3	99.9
PRDM14	NM_024504.3	100.0
PRDM15	NM_022115.3	99.2
PRDM16	NM_022114.3	100.0
PRDM2	NM_012231.4	100.0

PRDM4	NM_012406.3	100.0
PRDM5	NM_018699.2	100.0
PRDM6	NM_001136239.1	99.4
PRDM7	NM_052996.2	100.0
PRDM8	NM_020226.3	97.0
PRDM9	NM_020227.2	100.0
PRDX1	NM_002574.3	100.0
PRDX2	NM_005809.5	100.0
PRDX3	NM_006793.3	100.0
PRDX4	NM_006406.1	100.0
PRDX5	NM_012094.4	100.0
PRDX6	NM_004905.2	100.0
PREB	NM_013388.4	100.0
PRELID1	NM_013237.3	100.0
PRELID2	NM_138492.4	100.0
PRELP	NM_002725.3	100.0
PREP	NM_002726.4	100.0
PREPL	NM_006036.4	100.0
PREX1	NM_020820.3	98.5
PREX2	NM_024870.2	100.0
PRF1	NM_001083116.1	100.0
PRG2	NM_002728.4	100.0
PRG3	NM_006093.3	100.0
PRG4	NM_005807.3	100.0
PRH1	NM_006250.3	100.0
PRH2	NM_005042.4	100.0
PRICKLE1	NM_153026.2	100.0
PRICKLE2	NM_198859.3	100.0
PRICKLE3	NM_006150.3	100.0
PRICKLE4	NM_013397.5	100.0
PRIM1	NM_000946.2	100.0
PRIMA1	NM_178013.3	100.0
PRKAA1	NM_006251.5	100.0
PRKAA2	NM_006252.3	100.0
PRKAB1	NM_006253.4	100.0
PRKAB2	NM_005399.4	100.0
PRKACA	NM_002730.3	100.0
PRKACB	NM_182948.2	100.0
PRKACG	NM_002732.3	100.0
PRKAG1	NM_002733.4	100.0

PRKAG2	NM_016203.3	100.0
PRKAG3	NM_017431.2	100.0
PRKAR1A	NM_002734.4	100.0
PRKAR1B	NM_001164761.1	100.0
PRKAR2A	NM_004157.2	100.0
PRKAR2B	NM_002736.2	100.0
PRKCA	NM_002737.2	100.0
PRKCB	NM_212535.2	100.0
PRKCD	NM_006254.3	100.0
PRKCDBP	NM_145040.2	100.0
PRKCE	NM_005400.2	100.0
PRKCG	NM_002739.3	100.0
PRKCH	NM_006255.3	100.0
PRKCI	NM_002740.5	100.0
PRKCQ	NM_006257.3	100.0
PRKCSH	NM_002743.2	100.0
PRKCZ	NM_002744.4	100.0
PRKD1	NM_002742.2	98.5
PRKD2	NM_016457.4	100.0
PRKD3	NM_005813.3	100.0
PRKDC	NM_006904.6	100.0
PRKG1	NM_006258.3	100.0
PRKG2	NM_006259.1	100.0
PRKRA	NM_003690.4	100.0
PRKRIP1	NM_024653.3	100.0
PRKRIR	NM_004705.2	100.0
PRKX	NM_005044.4	99.4
PRL	NM_000948.5	100.0
PRLH	NM_015893.1	100.0
PRLHR	NM_004248.2	100.0
PRLR	NM_000949.5	100.0
PRM1	NM_002761.2	100.0
PRM2	NM_002762.2	100.0
PRM3	NM_021247.1	100.0
PRMT1	NM_001536.5	100.0
PRMT10	NM_138364.2	100.0
PRMT2	NM_001535.3	100.0
PRMT3	NM_005788.3	100.0
PRMT5	NM_006109.3	100.0
PRMT6	NM_018137.2	100.0

PRMT7	NM_019023.2	100.0
PRMT8	NM_019854.4	100.0
PRND	NM_012409.2	100.0
PRNP	NM_000311.3	100.0
PROB1	NM_001161546.1	99.9
PROC	NM_000312.3	100.0
PROCA1	NM_152465.1	100.0
PROCR	NM_006404.4	100.0
PRODH	NM_016335.4	99.7
PRODH2	NM_021232.1	100.0
PROK1	NM_032414.2	100.0
PROK2	NM_001126128.1	100.0
PROKR1	NM_138964.2	100.0
PROKR2	NM_144773.2	100.0
PROL1	NM_021225.4	100.0
PROM1	NM_006017.2	100.0
PROM2	NM_144707.2	100.0
PROP1	NM_006261.4	100.0
PROS1	NM_000313.3	100.0
PROSC	NM_007198.3	100.0
PROSER1	NM_025138.4	100.0
PROSER2	NM_153256.3	96.4
PROX1	NM_002763.4	100.0
PROX2	NM_001243007.1	100.0
PROZ	NM_003891.2	100.0
PRPF18	NM_003675.3	100.0
PRPF19	NM_014502.4	100.0
PRPF3	NM_004698.2	100.0
PRPF31	NM_015629.3	100.0
PRPF38A	NM_032864.3	100.0
PRPF38B	NM_018061.2	100.0
PRPF39	NM_017922.3	100.0
PRPF4	NM_004697.4	100.0
PRPF40A	NM_017892.3	100.0
PRPF40B	NM_001031698.2	100.0
PRPF4B	NM_003913.4	100.0
PRPF6	NM_012469.3	100.0
PRPF8	NM_006445.3	100.0
PRPH	NM_006262.3	100.0
PRPH2	NM_000322.4	100.0

PRPS1	NM_002764.3	100.0
PRPS1L1	NM_175886.2	100.0
PRPS2	NM_002765.4	100.0
PRPSAP1	NM_002766.2	100.0
PRPSAP2	NM_002767.3	100.0
PRR11	NM_018304.3	100.0
PRR12	NM_020719.1	100.0
PRR13	NM_018457.3	99.8
PRR14	NM_024031.2	100.0
PRR14L	NM_173566.2	100.0
PRR15	NM_175887.2	100.0
PRR15L	NM_024320.3	100.0
PRR16	NM_016644.1	89.4
PRR18	NM_175922.3	92.3
PRR19	NM_199285.2	100.0
PRR21	NM_001080835.1	97.4
PRR22	NM_001134316.1	100.0
PRR23A	NM_001134659.1	100.0
PRR23B	NM_001013650.2	100.0
PRR23C	NM_001134657.1	100.0
PRR24	NM_178511.5	97.5
PRR25	NM_001013638.1	99.9
PRR3	NM_025263.3	100.0
PRR4	NM_007244.2	100.0
PRR5	NM_015366.3	100.0
PRR5-ARHGAP8	NM_181334.4	100.0
PRR5L	NM_024841.4	100.0
PRR7	NM_030567.4	100.0
PRR9	NM_001195571.1	100.0
PRRC1	NM_130809.3	100.0
PRRC2A	NM_080686.2	100.0
PRRC2B	NM_013318.3	100.0
PRRC2C	NM_015172.3	100.0
PRRG1	NM_000950.2	100.0
PRRG2	NM_000951.2	100.0
PRRG3	NM_024082.3	100.0
PRRG4	NM_024081.5	100.0
PRRT1	NM_030651.3	99.9
PRRT2	NM_145239.2	100.0
PRRT3	NM_207351.3	100.0

PRRT4	NM_001114726.2	100.0
PRRX1	NM_022716.2	100.0
PRRX2	NM_016307.3	83.4
PRSS1	NM_002769.4	100.0
PRSS12	NM_003619.3	99.9
PRSS16	NM_005865.3	100.0
PRSS21	NM_006799.3	100.0
PRSS22	NM_022119.3	100.0
PRSS23	NM_007173.4	100.0
PRSS27	NM_031948.3	100.0
PRSS3	NM_002771.3	100.0
PRSS33	NM_152891.2	100.0
PRSS35	NM_153362.2	100.0
PRSS36	NM_173502.4	100.0
PRSS37	NM_001008270.2	100.0
PRSS38	NM_183062.2	100.0
PRSS41	NM_001135086.1	100.0
PRSS42	NM_182702.1	100.0
PRSS44	XM_003959971.2	100.0
PRSS45	NM_199183.2	100.0
PRSS46	NM_001205271.1	100.0
PRSS48	NM_183375.2	100.0
PRSS50	NM_013270.4	100.0
PRSS53	NM_001039503.2	100.0
PRSS54	NM_001080492.1	100.0
PRSS55	NM_198464.3	100.0
PRSS56	NM_001195129.1	99.9
PRSS57	NM_214710.3	100.0
PRSS58	NM_001001317.3	100.0
PRSS8	NM_002773.3	100.0
PRTFDC1	NM_020200.5	100.0
PRTG	NM_173814.4	100.0
PRTN3	NM_002777.3	100.0
PRUNE	NM_021222.1	100.0
PRUNE2	NM_015225.2	99.9
PRX	NM_181882.2	100.0
PSAP	NM_002778.2	100.0
PSAPL1	NM_001085382.1	100.0
PSAT1	NM_058179.3	100.0
PSCA	NM_005672.4	100.0

PSD	NM_002779.4	100.0
PSD2	NM_032289.2	100.0
PSD3	NM_015310.3	100.0
PSD4	NM_012455.2	100.0
PSEN1	NM_000021.3	100.0
PSEN2	NM_000447.2	100.0
PSENE1	NM_172341.2	100.0
PSG1	NM_006905.2	100.0
PSG11	NM_002785.2	100.0
PSG2	NM_031246.3	100.0
PSG3	NM_021016.3	100.0
PSG4	NM_002780.4	100.0
PSG5	NM_002781.3	100.0
PSG6	NM_002782.4	100.0
PSG7	NM_001206650.1	100.0
PSG8	NM_182707.2	100.0
PSG9	NM_002784.3	100.0
PSIP1	NM_021144.3	100.0
PSKH1	NM_006742.2	100.0
PSKH2	NM_033126.1	100.0
PSMA1	NM_002786.3	100.0
PSMA2	NM_002787.4	100.0
PSMA3	NM_002788.3	100.0
PSMA4	NM_002789.4	100.0
PSMA5	NM_002790.3	100.0
PSMA6	NM_002791.1	100.0
PSMA7	NM_002792.3	100.0
PSMA8	NM_144662.2	100.0
PSMB1	NM_002793.3	100.0
PSMB10	NM_002801.3	100.0
PSMB11	NM_001099780.1	100.0
PSMB2	NM_002794.4	100.0
PSMB3	NM_002795.2	100.0
PSMB4	NM_002796.2	100.0
PSMB5	NM_002797.3	100.0
PSMB6	NM_002798.2	100.0
PSMB7	NM_002799.3	100.0
PSMB8	NM_148919.3	100.0
PSMB9	NM_002800.4	100.0
PSMC1	NM_002802.2	100.0

PSMC2	NM_002803.3	100.0
PSMC3	NM_002804.4	100.0
PSMC3IP	NM_016556.3	100.0
PSMC4	NM_006503.3	100.0
PSMC5	NM_002805.5	100.0
PSMC6	NM_002806.3	100.0
PSMD1	NM_002807.3	100.0
PSMD10	NM_002814.3	100.0
PSMD11	NM_002815.3	100.0
PSMD12	NM_002816.3	100.0
PSMD13	NM_002817.3	99.6
PSMD14	NM_005805.5	100.0
PSMD2	NM_002808.4	100.0
PSMD3	NM_002809.3	100.0
PSMD4	NM_002810.2	100.0
PSMD5	NM_005047.3	100.0
PSMD6	NM_014814.2	100.0
PSMD7	NM_002811.4	100.0
PSMD8	NM_002812.4	100.0
PSMD9	NM_002813.5	100.0
PSME1	NM_006263.3	100.0
PSME2	NM_002818.2	100.0
PSME3	NM_005789.3	100.0
PSME4	NM_014614.2	100.0
PSMF1	NM_006814.3	100.0
PSMG1	NM_003720.3	100.0
PSMG2	NM_020232.4	100.0
PSMG3	NM_032302.3	100.0
PSMG4	NM_001128591.1	100.0
PSORS1C1	NM_014068.2	100.0
PSORS1C2	NM_014069.2	99.8
PSPC1	NM_001042414.2	100.0
PSPH	NM_004577.3	100.0
PSPN	NM_004158.2	100.0
PSRC1	NM_032636.7	100.0
PSTK	NM_153336.2	100.0
PSTPIP1	NM_003978.3	100.0
PSTPIP2	NM_024430.3	100.0
PTAFR	NM_000952.4	100.0
PTAR1	NM_001099666.1	100.0

PTBP1	NM_002819.4	100.0
PTBP2	NM_021190.2	100.0
PTBP3	NM_005156.6	100.0
PTCD1	NM_015545.3	100.0
PTCD2	NM_024754.3	100.0
PTCD3	NM_017952.5	100.0
PTCH1	NM_000264.3	99.5
PTCH2	NM_003738.4	100.0
PTCHD1	NM_173495.2	100.0
PTCHD2	NM_020780.1	100.0
PTCHD3	NM_001034842.3	100.0
PTCHD4	NM_207499.2	100.0
PTCRA	NM_138296.2	100.0
PTDSS1	NM_014754.1	100.0
PTDSS2	NM_030783.1	99.9
PTEN	NM_000314.4	100.0
PTER	NM_030664.4	100.0
PTF1A	NM_178161.2	91.2
PTGDR	NM_000953.2	100.0
PTGDR2	NM_004778.2	98.6
PTGDS	NM_000954.5	100.0
PTGER1	NM_000955.2	93.2
PTGER2	NM_000956.3	100.0
PTGER3	NM_198714.1	100.0
PTGER4	NM_000958.2	100.0
PTGES	NM_004878.4	100.0
PTGES2	NM_025072.6	98.5
PTGES3	NM_006601.5	100.0
PTGES3L	NM_001142653.1	100.0
PTGES3L-AARSD1	NM_025267.3	100.0
PTGFR	NM_000959.3	100.0
PTGFRN	NM_020440.2	100.0
PTGIR	NM_000960.3	100.0
PTGIS	NM_000961.3	100.0
PTGR1	NM_012212.3	100.0
PTGR2	NM_152444.2	100.0
PTGS1	NM_000962.3	100.0
PTGS2	NM_000963.2	100.0
PTH	NM_000315.2	100.0
PTH1R	NM_000316.2	100.0

PTH2	NM_178449.3	99.6
PTH2R	NM_005048.3	100.0
PTHLH	NM_198965.1	100.0
PTK2	NM_005607.4	99.0
PTK2B	NM_004103.4	100.0
PTK6	NM_005975.3	100.0
PTK7	NM_152881.3	100.0
PTMA	NM_002823.4	100.0
PTMS	NM_002824.4	100.0
PTN	NM_002825.5	100.0
PTOV1	NM_017432.3	95.8
PTP4A1	NM_003463.4	100.0
PTP4A2	NM_080391.3	100.0
PTP4A3	NM_007079.3	100.0
PTPDC1	NM_152422.4	100.0
PTPLA	NM_014241.3	100.0
PTPLAD1	NM_016395.2	100.0
PTPLAD2	NM_001010915.3	100.0
PTPLB	NM_198402.3	100.0
PTPMT1	NM_175732.2	99.9
PTPN1	NM_002827.3	100.0
PTPN11	NM_002834.3	100.0
PTPN12	NM_002835.3	100.0
PTPN13	NM_080685.2	100.0
PTPN14	NM_005401.4	100.0
PTPN18	NM_014369.3	100.0
PTPN2	NM_002828.3	100.0
PTPN20A	NM_001042387.1	99.9
PTPN20B	NM_015605.7	99.0
PTPN21	NM_007039.3	100.0
PTPN22	NM_015967.5	100.0
PTPN23	NM_015466.2	100.0
PTPN3	NM_002829.3	100.0
PTPN4	NM_002830.3	100.0
PTPN5	NM_006906.1	100.0
PTPN6	NM_080549.3	100.0
PTPN7	NM_002832.3	100.0
PTPN9	NM_002833.2	100.0
PTPRA	NM_002836.3	100.0
PTPRB	NM_001109754.2	100.0

PTPRC	NM_002838.4	100.0
PTPRCAP	NM_005608.2	100.0
PTPRD	NM_002839.3	100.0
PTPRE	NM_006504.4	100.0
PTPRF	NM_002840.3	100.0
PTPRG	NM_002841.3	100.0
PTPRH	NM_002842.3	100.0
PTPRJ	NM_002843.3	98.7
PTPRK	NM_001135648.1	100.0
PTPRM	NM_002845.3	100.0
PTPRN	NM_002846.3	100.0
PTPRN2	NM_002847.3	100.0
PTPRO	NM_030667.2	100.0
PTPRQ	NM_001145026.1	99.3
PTPRR	NM_002849.3	100.0
PTPRS	NM_002850.3	99.7
PTPRT	NM_133170.3	99.9
PTPRU	NM_005704.4	100.0
PTPRZ1	NM_002851.2	100.0
PTRF	NM_012232.5	100.0
PTRH1	NM_001002913.1	100.0
PTRH2	NM_016077.3	100.0
PTRHD1	NM_001013663.1	100.0
PTS	NM_000317.2	100.0
PTTG1	NM_004219.2	100.0
PTTG1IP	NM_004339.3	100.0
PTTG2	NM_006607.2	100.0
PTX3	NM_002852.3	99.9
PTX4	NM_001013658.1	100.0
PUF60	NM_078480.2	100.0
PUM1	NM_014676.2	100.0
PUM2	NM_015317.1	100.0
PURA	NM_005859.4	94.7
PURB	NM_033224.3	97.6
PURG	NM_013357.2	100.0
PUS1	NM_025215.5	99.3
PUS10	NM_144709.2	100.0
PUS3	NM_031307.3	100.0
PUS7	NM_019042.3	100.0
PUS7L	NM_031292.4	100.0

PUSL1	NM_153339.1	100.0
PVALB	NM_002854.2	100.0
PVR	NM_006505.3	100.0
PVRIG	NM_024070.3	100.0
PVRL1 (NECTIN1)	NM_002855.4	100.0
PVRL2 (NECTIN2)	NM_001042724.1	100.0
PVRL4	NM_030916.2	100.0
PWP1	NM_007062.1	100.0
PWP2	NM_005049.2	100.0
PWWP2A	NM_001130864.1	100.0
PWWP2B	NM_138499.3	100.0
PXDC1	NM_183373.3	99.9
PXDN	NM_012293.1	100.0
PXDNL	NM_144651.4	100.0
PXK	NM_017771.3	100.0
PXMP2	NM_018663.1	98.8
PXMP4	NM_007238.4	100.0
PXN	NM_002859.3	100.0
PXT1	NM_152990.3	100.0
PYCARD	NM_013258.4	100.0
PYCR1	NM_006907.2	100.0
PYCR2	NM_013328.3	100.0
PYCRL	NM_023078.3	100.0
PYDC1	NM_152901.2	100.0
PYDC2	NM_001083308.1	100.0
PYGB	NM_002862.3	100.0
PYGL	NM_002863.4	100.0
PYGM	NM_005609.2	100.0
PYGO1	NM_015617.1	100.0
PYGO2	NM_138300.3	100.0
PYHIN1	NM_152501.4	100.0
PYROXD1	NM_024854.3	100.0
PYROXD2	NM_032709.2	100.0
PYURF	NM_032906.4	100.0
PYY	NM_004160.4	100.0
PZP	NM_002864.2	100.0
QARS	NM_005051.2	100.0
QDPR	NM_000320.2	100.0
QKI	NM_006775.2	100.0
QPCT	NM_012413.3	100.0

QPCTL	NM_017659.3	100.0
QPRT	NM_014298.3	100.0
QRFP	NM_198180.1	100.0
QRFPR	NM_198179.2	100.0
QRICH1	NM_017730.2	100.0
QRICH2	NM_032134.1	100.0
QRSL1	NM_018292.4	100.0
QSER1	NM_001076786.1	100.0
QSOX1	NM_002826.4	100.0
QSOX2	NM_181701.3	94.4
QTRT1	NM_031209.2	100.0
QTRTD1	NM_024638.3	100.0
R3HCC1	NM_001136108.1	100.0
R3HCC1L	NM_014472.4	100.0
R3HDM1	NM_015361.2	100.0
R3HDM2	NM_014925.3	100.0
R3HDM4	NM_138774.3	98.1
R3HDML	NM_178491.3	100.0
RAB10	NM_016131.4	100.0
RAB11A	NM_004663.4	100.0
RAB11B	NM_004218.3	100.0
RAB11FIP1	NM_025151.4	100.0
RAB11FIP2	NM_014904.2	100.0
RAB11FIP3	NM_014700.3	90.0
RAB11FIP4	NM_032932.3	98.4
RAB11FIP5	NM_015470.2	99.7
RAB12	NM_001025300.2	94.7
RAB13	NM_002870.3	100.0
RAB14	NM_016322.3	100.0
RAB15	NM_198686.2	100.0
RAB17	NM_022449.3	100.0
RAB18	NM_021252.4	100.0
RAB19	NM_001008749.2	100.0
RAB1A	NM_004161.4	100.0
RAB1B	NM_030981.2	100.0
RAB20	NM_017817.1	100.0
RAB21	NM_014999.2	100.0
RAB22A	NM_020673.2	100.0
RAB23	NM_183227.2	100.0
RAB24	NM_130781.2	100.0

RAB25	NM_020387.2	100.0
RAB26	NM_014353.4	99.7
RAB27A	NM_004580.4	100.0
RAB27B	NM_004163.4	100.0
RAB28	NM_004249.3	100.0
RAB2A	NM_002865.2	100.0
RAB2B	NM_032846.3	100.0
RAB30	NM_014488.3	100.0
RAB31	NM_006868.3	100.0
RAB32	NM_006834.3	99.9
RAB33A	NM_004794.2	100.0
RAB33B	NM_031296.1	100.0
RAB34	NM_031934.5	100.0
RAB35	NM_006861.6	100.0
RAB36	NM_004914.2	100.0
RAB37	NM_175738.4	100.0
RAB38	NM_022337.2	100.0
RAB39A	NM_017516.1	100.0
RAB39B	NM_171998.2	100.0
RAB3A	NM_002866.4	100.0
RAB3B	NM_002867.3	100.0
RAB3C	NM_138453.2	100.0
RAB3D	NM_004283.3	100.0
RAB3GAP1	NM_012233.2	100.0
RAB3GAP2	NM_012414.3	100.0
RAB3IL1	NM_013401.3	100.0
RAB3IP	NM_022456.4	100.0
RAB40A	NM_080879.2	100.0
RAB40AL	NM_001031834.1	100.0
RAB40B	NM_006822.2	100.0
RAB40C	NM_021168.4	100.0
RAB41	NM_001032726.2	100.0
RAB42	NM_152304.1	100.0
RAB43	NM_198490.2	100.0
RAB44	NM_001257357.1	100.0
RAB4A	NM_004578.3	100.0
RAB4B	NM_016154.4	100.0
RAB5A	NM_004162.4	100.0
RAB5B	NM_002868.3	100.0
RAB5C	NM_004583.3	100.0

RAB6A	NM_002869.4	100.0
RAB6B	NM_016577.3	100.0
RAB6C	NM_032144.2	100.0
RAB7A	NM_004637.5	100.0
RAB7L1	NM_003929.2	100.0
RAB8A	NM_005370.4	100.0
RAB8B	NM_016530.2	100.0
RAB9A	NM_004251.4	100.0
RAB9B	NM_016370.2	100.0
RABAC1	NM_006423.2	100.0
RABEP1	NM_004703.4	100.0
RABEP2	NM_024816.2	100.0
RABEPK	NM_005833.3	100.0
RABGAP1	NM_012197.3	100.0
RABGAP1L	NM_014857.4	100.0
RABGEF1	NM_014504.2	100.0
RABGGTA	NM_182836.2	100.0
RABGGTB	NM_004582.3	100.0
RABIF	NM_002871.4	100.0
RABL2A	NM_007082.3	100.0
RABL2B	NM_007081.2	100.0
RABL3	NM_173825.3	100.0
RABL5	NM_022777.2	100.0
RABL6	NM_024718.4	100.0
RAC1	NM_018890.3	100.0
RAC2	NM_002872.4	100.0
RAC3	NM_005052.2	100.0
RACGAP1	NM_013277.3	100.0
RAD1	NM_002853.3	100.0
RAD17	NM_002873.1	100.0
RAD18	NM_020165.3	100.0
RAD21	NM_006265.2	100.0
RAD21L1	NM_001136566.2	100.0
RAD23A	NM_005053.3	100.0
RAD23B	NM_002874.4	100.0
RAD50	NM_005732.3	100.0
RAD51	NM_002875.4	100.0
RAD51AP1	NM_006479.4	100.0
RAD51AP2	NM_001099218.2	100.0
RAD51B	NM_133509.3	89.7

RAD51C	NM_058216.2	100.0
RAD51D	NM_002878.3	100.0
RAD52	NM_134424.2	100.0
RAD54B	NM_012415.3	100.0
RAD54L	NM_003579.3	100.0
RAD54L2	NM_015106.2	100.0
RAD9A	NM_004584.2	100.0
RAD9B	NM_152442.3	100.0
RADIL	NM_018059.4	100.0
RAE1	NM_003610.3	100.0
RAET1E	NM_139165.2	100.0
RAET1G	NM_001001788.2	100.0
RAET1L	NM_130900.2	100.0
RAF1	NM_002880.3	100.0
RAG1	NM_000448.2	100.0
RAG2	NM_000536.3	100.0
RAI1	NM_030665.3	100.0
RAI14	NM_015577.2	100.0
RAI2	NM_021785.4	100.0
RALA	NM_005402.3	100.0
RALB	NM_002881.2	100.0
RALBP1	NM_006788.3	100.0
RALGAPA1	NM_014990.1	100.0
RALGAPA2	NM_020343.3	100.0
RALGAPB	NM_020336.2	100.0
RALGDS	NM_006266.3	100.0
RALGPS1	NM_014636.2	100.0
RALGPS2	NM_152663.3	100.0
RALY	NM_007367.3	100.0
RALYL	NM_173848.5	100.0
RAMP1	NM_005855.2	100.0
RAMP2	NM_005854.2	99.0
RAMP3	NM_005856.2	100.0
RAN	NM_006325.3	100.0
RANBP1	NM_002882.3	99.2
RANBP10	NM_020850.1	100.0
RANBP17	NM_022897.3	100.0
RANBP2	NM_006267.4	100.0
RANBP3	NM_003624.2	100.0
RANBP3L	NM_145000.3	100.0

RANBP6	NM_012416.3	100.0
RANBP9	NM_005493.2	91.8
RANGAP1	NM_002883.3	100.0
RANGRF	NM_016492.4	100.0
RAP1A	NM_001010935.1	100.0
RAP1B	NM_015646.5	100.0
RAP1GAP	NM_002885.2	100.0
RAP1GAP2	NM_015085.4	100.0
RAP1GDS1	NM_021159.4	100.0
RAP2A	NM_021033.6	100.0
RAP2B	NM_002886.3	100.0
RAP2C	NM_021183.4	100.0
RAPGEF1	NM_198679.1	100.0
RAPGEF2	NM_014247.2	100.0
RAPGEF3	NM_006105.5	100.0
RAPGEF4	NM_007023.3	100.0
RAPGEF5	NM_012294.3	100.0
RAPGEF6	NM_016340.5	100.0
RAPGEFL1	NM_016339.3	100.0
RAPH1	NM_203365.2	100.0
RAPSN	NM_005055.4	100.0
RARA	NM_000964.3	100.0
RARB	NM_000965.3	100.0
RARG	NM_000966.5	100.0
RARRES1	NM_002888.2	97.4
RARRES2	NM_002889.3	100.0
RARRES3	NM_004585.3	100.0
RARS	NM_002887.3	100.0
RARS2	NM_020320.3	100.0
RASA1	NM_002890.2	100.0
RASA2	NM_006506.2	100.0
RASA3	NM_007368.2	100.0
RASA4	NM_006989.5	100.0
RASA4B	NM_001277335.1	98.0
RASAL1	NM_001193520.1	100.0
RASAL2	NM_004841.3	100.0
RASAL3	NM_022904.1	97.0
RASD1	NM_016084.4	100.0
RASD2	NM_014310.3	100.0
RASEF	NM_152573.3	100.0

RASGEF1A	NM_145313.2	100.0
RASGEF1B	NM_152545.1	100.0
RASGEF1C	NM_175062.3	100.0
RASGRF1	NM_002891.4	100.0
RASGRF2	NM_006909.2	100.0
RASGRP1	NM_005739.3	100.0
RASGRP2	NM_153819.1	100.0
RASGRP3	NM_001139488.1	100.0
RASGRP4	NM_170604.2	100.0
RASIP1	NM_017805.2	94.8
RASL10A	NM_006477.4	100.0
RASL10B	NM_033315.3	100.0
RASL11A	NM_206827.1	100.0
RASL11B	NM_023940.2	100.0
RASL12	NM_016563.2	100.0
RASSF1	NM_007182.4	100.0
RASSF10	NM_001080521.2	100.0
RASSF2	NM_014737.2	100.0
RASSF3	NM_178169.3	100.0
RASSF4	NM_032023.3	100.0
RASSF5	NM_182663.2	98.9
RASSF6	NM_177532.4	100.0
RASSF7	NM_003475.3	100.0
RASSF8	NM_007211.4	100.0
RASSF9	NM_005447.3	100.0
RAVER1	NM_133452.2	100.0
RAVER2	NM_018211.3	96.5
RAX	NM_013435.2	94.9
RAX2	NM_032753.3	100.0
RB1	NM_000321.2	100.0
RB1CC1	NM_014781.4	100.0
RBAK	NM_021163.3	100.0
RBAK-RBAKDN	NM_001204513.1	100.0
RBBP4	NM_005610.2	100.0
RBBP5	NM_005057.3	100.0
RBBP6	NM_006910.4	100.0
RBBP7	NM_002893.3	100.0
RBBP8	NM_002894.2	100.0
RBBP8NL	NM_080833.2	100.0
RBBP9	NM_006606.2	100.0

RBCK1	NM_031229.2	100.0
RBFA	NM_024805.2	100.0
RBFOX1	NM_145891.2	100.0
RBFOX2	NM_014309.2	100.0
RBFOX3	NM_001082575.2	100.0
RBKS	NM_022128.1	100.0
RBL1	NM_002895.3	100.0
RBL2	NM_005611.3	100.0
RBM10	NM_005676.4	100.0
RBM11	NM_144770.3	100.0
RBM12	NM_006047.5	100.0
RBM12B	NM_203390.2	100.0
RBM14	NM_006328.3	100.0
RBM14-RBM4	NM_001198845.1	100.0
RBM15	NM_022768.4	100.0
RBM15B	NM_013286.4	94.5
RBM17	NM_032905.4	100.0
RBM18	NM_033117.3	100.0
RBM19	NM_016196.3	100.0
RBM20	NM_001134363.1	100.0
RBM22	NM_018047.2	100.0
RBM23	NM_018107.4	100.0
RBM24	NM_153020.2	100.0
RBM25	NM_021239.2	100.0
RBM26	NM_022118.3	100.0
RBM27	NM_018989.1	100.0
RBM28	NM_018077.2	100.0
RBM3	NM_006743.4	100.0
RBM33	NM_053043.2	100.0
RBM34	NM_015014.2	100.0
RBM38	NM_017495.5	99.3
RBM39	NM_004902.3	100.0
RBM4	NM_002896.3	100.0
RBM41	NM_018301.3	100.0
RBM42	NM_024321.3	100.0
RBM43	NM_198557.2	100.0
RBM44	NM_001080504.2	100.0
RBM45	NM_152945.2	100.0
RBM46	NM_144979.4	100.0
RBM47	NM_019027.3	100.0

RBM48	NM_032120.2	100.0
RBM4B	NM_031492.2	100.0
RBM5	NM_005778.3	100.0
RBM6	NM_005777.2	100.0
RBM7	NM_016090.2	100.0
RBM8A	NM_005105.4	100.0
RBMS1	NM_002897.4	100.0
RBMS2	NM_002898.3	100.0
RBMS3	NM_014483.3	100.0
RBMX	NM_002139.3	100.0
RBMX2	NM_016024.2	100.0
RBMXL1	NM_019610.5	100.0
RBMXL2	NM_014469.4	98.3
RBMXL3	NM_001145346.1	100.0
RBP1	NM_002899.3	100.0
RBP2	NM_004164.2	100.0
RBP3	NM_002900.2	100.0
RBP4	NM_006744.3	100.0
RBP5	NM_031491.2	100.0
RBP7	NM_052960.2	100.0
RBPJ	NM_005349.3	100.0
RBPJL	NM_014276.3	100.0
RBPMS	NM_006867.3	100.0
RBPMS2	NM_194272.1	100.0
RBX1	NM_014248.3	100.0
RC3H1	NM_172071.2	100.0
RC3H2	NM_018835.2	100.0
RCAN1	NM_004414.5	91.9
RCAN2	NM_005822.3	100.0
RCAN3	NM_013441.3	100.0
RCBTB1	NM_018191.3	100.0
RCBTB2	NM_001268.2	100.0
RCC1	NM_001269.4	100.0
RCC2	NM_018715.3	95.6
RCCD1	NM_033544.2	100.0
RCE1	NM_005133.2	99.0
RCHY1	NM_015436.3	100.0
RCL1	NM_005772.3	100.0
RCN1	NM_002901.2	100.0
RCN2	NM_002902.2	99.1

RCN3	NM_020650.2	100.0
RCOR1	NM_015156.3	92.7
RCOR2	NM_173587.3	100.0
RCOR3	NM_018254.3	100.0
RCSD1	NM_052862.3	100.0
RCVRN	NM_002903.2	100.0
RD3	NM_183059.2	100.0
RD3L	NM_001257268.1	100.0
RDH10	NM_172037.4	100.0
RDH11	NM_016026.3	100.0
RDH12	NM_152443.2	100.0
RDH13	NM_138412.3	100.0
RDH14	NM_020905.3	99.5
RDH16	NM_003708.3	100.0
RDH5	NM_002905.3	100.0
RDH8	NM_015725.2	100.0
RDM1	NM_145654.3	100.0
RDX	NM_002906.3	100.0
REC8	NM_005132.2	100.0
RECK	NM_021111.2	100.0
RECQL	NM_002907.3	100.0
RECQL4	NM_004260.3	99.9
RECQL5	NM_004259.6	100.0
REEP1	NM_022912.2	100.0
REEP2	NM_001271803.1	100.0
REEP3	NM_001001330.2	100.0
REEP4	NM_025232.2	100.0
REEP5	NM_005669.4	100.0
REEP6	NM_138393.1	100.0
REG1A	NM_002909.4	100.0
REG1B	NM_006507.3	100.0
REG3A	NM_002580.2	100.0
REG3G	NM_198448.3	100.0
REG4	NM_032044.3	100.0
REL	NM_002908.2	99.2
RELA	NM_021975.3	100.0
RELB	NM_006509.3	100.0
RELL1	NM_001085399.1	100.0
RELL2	NM_173828.4	100.0
RELN	NM_005045.3	100.0

RELT	NM_032871.3	100.0
REM1	NM_014012.5	100.0
REM2	NM_173527.2	100.0
REN	NM_000537.3	100.0
RENBP	NM_002910.5	100.0
REP15	NM_001029874.1	100.0
REPIN1	NM_013400.3	99.8
REPS1	NM_031922.3	100.0
REPS2	NM_004726.2	93.1
RER1	NM_007033.4	100.0
RERE	NM_012102.3	100.0
RERG	NM_032918.2	100.0
RERGL	NM_024730.2	100.0
RESP18	NM_001007089.3	100.0
REST	NM_005612.4	100.0
RET	NM_020975.4	100.0
RETN	NM_020415.3	100.0
RETNLB	NM_032579.2	100.0
RETSAT	NM_017750.3	100.0
REV1	NM_016316.2	100.0
REV3L	NM_002912.3	100.0
REXO1	NM_020695.3	99.8
REXO2	NM_015523.3	100.0
REXO4	NM_020385.3	100.0
RFC1	NM_002913.4	100.0
RFC2	NM_181471.2	100.0
RFC3	NM_002915.3	100.0
RFC4	NM_002916.3	100.0
RFC5	NM_007370.5	100.0
RFESD	NM_173362.3	100.0
RFFL	NM_001017368.1	100.0
RFK	NM_018339.5	100.0
RFNG	NM_002917.1	88.4
RFPL1	NM_021026.2	100.0
RFPL2	NM_006605.3	100.0
RFPL3	NM_006604.2	100.0
RFPL4A	NM_001145014.1	99.9
RFPL4AL1	NM_001277397.1	100.0
RFPL4B	NM_001013734.2	100.0
RFT1	NM_052859.3	100.0

RFTN1	NM_015150.1	100.0
RFTN2	NM_144629.2	100.0
RFWD3	NM_018124.3	100.0
RFX1	NM_002918.4	100.0
RFX2	NM_134433.2	100.0
RFX4	NM_032491.5	100.0
RFX5	NM_000449.3	100.0
RFX6	NM_173560.3	100.0
RFX7	NM_022841.5	100.0
RFX8	NM_001145664.1	100.0
RFXANK	NM_003721.3	100.0
RFXAP	NM_000538.3	100.0
RGAG1	NM_020769.2	100.0
RGAG4	NM_001024455.3	100.0
RGCC	NM_014059.2	100.0
RGL1	NM_015149.3	100.0
RGL2	NM_004761.4	100.0
RGL3	NM_001035223.2	100.0
RGL4	NM_153615.1	100.0
RGMA	NM_001166283.1	100.0
RGMB	NM_001012761.2	98.5
RGN	NM_004683.4	100.0
RGP1	NM_001080496.2	100.0
RGPD1	NM_001024457.3	100.0
RGPD2	NM_001078170.2	100.0
RGPD3	NM_001144013.1	100.0
RGPD4	NM_182588.2	99.3
RGPD5	NM_005054.2	100.0
RGPD6	NM_001037866.1	100.0
RGPD8	NM_001164463.1	100.0
RGR	NM_001012720.1	100.0
RGS1	NM_002922.3	100.0
RGS10	NM_002925.3	100.0
RGS11	NM_003834.1	100.0
RGS12	NM_198229.2	100.0
RGS13	NM_002927.4	100.0
RGS14	NM_006480.4	100.0
RGS16	NM_002928.3	100.0
RGS17	NM_012419.4	100.0
RGS18	NM_130782.2	100.0

RGS19	NM_005873.2	100.0
RGS2	NM_002923.3	100.0
RGS20	NM_003702.3	100.0
RGS21	NM_001039152.3	100.0
RGS22	NM_015668.3	100.0
RGS3	NM_017790.4	100.0
RGS4	NM_001102445.2	100.0
RGS5	NM_003617.3	100.0
RGS6	NM_004296.5	100.0
RGS7	NM_002924.4	100.0
RGS7BP	NM_001029875.2	100.0
RGS8	NM_033345.2	100.0
RGS9	NM_003835.3	100.0
RGS9BP	NM_207391.2	99.3
RGSL1	NM_001137669.1	100.0
RHAG	NM_000324.2	100.0
RHBDD1	NM_032276.3	100.0
RHBDD2	NM_001040456.1	100.0
RHBDD3	NM_012265.1	100.0
RHBDF1	NM_022450.3	100.0
RHBDF2	NM_024599.5	100.0
RHBDL1	NM_001278720.1	100.0
RHBDL2	NM_017821.3	100.0
RHBDL3	NM_138328.2	99.8
RHBG	NM_020407.4	100.0
RHCE	NM_020485.4	97.7
RHCG	NM_016321.1	100.0
RHD	NM_016124.3	89.6
RHEB	NM_005614.3	100.0
RHEBL1	NM_144593.1	100.0
RHNO1	NM_001252499.2	100.0
RHO	NM_000539.3	100.0
RHOA	NM_001664.2	100.0
RHOB	NM_004040.2	100.0
RHOBTB1	NM_014836.4	100.0
RHOBTB2	NM_015178.2	100.0
RHOBTB3	NM_014899.3	100.0
RHOC	NM_175744.4	100.0
RHOD	NM_014578.3	100.0
RHOF	NM_019034.2	100.0

RHOG	NM_001665.3	100.0
RHOH	NM_004310.4	100.0
RHOJ	NM_020663.4	100.0
RHOQ	NM_012249.3	100.0
RHOT1	NM_018307.3	100.0
RHOT2	NM_138769.2	100.0
RHOU	NM_021205.5	90.3
RHOV	NM_133639.3	98.1
RHOXF1	NM_139282.2	100.0
RHOXF2	NM_032498.1	100.0
RHOXF2B	NM_001099685.1	97.9
RHPN1	NM_052924.2	100.0
RHPN2	NM_033103.4	100.0
RIBC1	NM_144968.3	100.0
RIBC2	NM_015653.4	100.0
RIC3	NM_024557.4	100.0
RIC8A	NM_021932.4	100.0
RIC8B	NM_018157.2	100.0
RICTOR	NM_152756.3	100.0
RIF1	NM_018151.4	100.0
RIIAD1	NM_001144956.1	100.0
RILP	NM_031430.2	99.9
RILPL1	NM_178314.3	100.0
RILPL2	NM_145058.1	100.0
RIMBP2	NM_015347.4	100.0
RIMKLA	NM_173642.3	100.0
RIMKLB	NM_020734.2	100.0
RIMS1	NM_014989.5	99.5
RIMS2	NM_014677.4	100.0
RIMS3	NM_014747.2	100.0
RIMS4	NM_182970.3	100.0
RIN1	NM_004292.2	100.0
RIN2	NM_018993.3	100.0
RIN3	NM_024832.3	100.0
RING1	NM_002931.3	100.0
RINL	NM_198445.3	100.0
RINT1	NM_021930.4	100.0
RIOK1	NM_031480.2	100.0
RIOK2	NM_018343.2	100.0
RIOK3	NM_003831.3	100.0

RIPK1	NM_003804.3	100.0
RIPK2	NM_003821.5	100.0
RIPK3	NM_006871.3	100.0
RIPK4	NM_020639.2	100.0
RIPPLY1	NM_138382.2	100.0
RIPPLY2	NM_001009994.2	100.0
RIPPLY3	NM_018962.2	98.7
RIT1	NM_006912.5	100.0
RIT2	NM_002930.3	100.0
RLBP1	NM_000326.4	100.0
RLF	NM_012421.3	100.0
RLIM	NM_183353.2	100.0
RLN1	NM_006911.3	100.0
RLN2	NM_005059.3	100.0
RLN3	NM_080864.2	100.0
RLTPR	NM_001013838.1	98.2
RMDN1	NM_016033.2	100.0
RMDN2	NM_144713.3	100.0
RMDN3	NM_018145.1	100.0
RMI1	NM_024945.2	100.0
RMI2	NM_152308.1	91.6
RMND1	NM_017909.3	100.0
RMND5A	NM_022780.3	100.0
RMND5B	NM_022762.3	100.0
RNASE1	NM_002933.4	100.0
RNASE10	NM_001012975.1	100.0
RNASE11	NM_145250.3	100.0
RNASE12	NM_001024822.2	100.0
RNASE13	NM_001012264.3	100.0
RNASE2	NM_002934.2	100.0
RNASE3	NM_002935.2	100.0
RNASE4	NM_002937.3	100.0
RNASE6	NM_005615.4	100.0
RNASE7	NM_032572.3	100.0
RNASE8	NM_138331.1	100.0
RNASE9	NM_001001673.3	100.0
RNASEH1	NM_002936.3	100.0
RNASEH2A	NM_006397.2	100.0
RNASEH2B	NM_024570.3	100.0
RNASEH2C	NM_032193.3	100.0

RNASEK	NM_001004333.4	100.0
RNASEL	NM_021133.3	100.0
RNASET2	NM_003730.4	100.0
RND1	NM_014470.3	100.0
RND2	NM_005440.4	100.0
RND3	NM_005168.4	100.0
RNF10	NM_014868.4	100.0
RNF103	NM_005667.3	100.0
RNF103-CHMP3	NM_001198954.1	100.0
RNF11	NM_014372.4	100.0
RNF111	NM_017610.7	100.0
RNF112	NM_007148.4	100.0
RNF113A	NM_006978.2	100.0
RNF113B	NM_178861.4	100.0
RNF114	NM_018683.3	100.0
RNF115	NM_014455.3	100.0
RNF121	NM_018320.4	100.0
RNF122	NM_024787.3	100.0
RNF123	NM_022064.3	100.0
RNF125	NM_017831.3	100.0
RNF126	NM_194460.2	100.0
RNF128	NM_024539.3	100.0
RNF13	NM_007282.4	100.0
RNF130	NM_018434.5	100.0
RNF133	NM_139175.1	100.0
RNF135	NM_032322.3	100.0
RNF138	NM_016271.4	100.0
RNF139	NM_007218.3	100.0
RNF14	NM_004290.4	100.0
RNF141	NM_016422.3	100.0
RNF144A	NM_014746.3	100.0
RNF144B	NM_182757.3	100.0
RNF145	NM_144726.2	100.0
RNF146	NM_030963.3	100.0
RNF148	NM_198085.1	100.0
RNF149	NM_173647.3	100.0
RNF150	NM_020724.1	100.0
RNF151	NM_174903.4	100.0
RNF152	NM_173557.2	100.0
RNF157	NM_052916.2	100.0

RNF165	NM_152470.2	100.0
RNF166	NM_178841.3	99.8
RNF167	NM_015528.1	100.0
RNF168	NM_152617.3	100.0
RNF169	NM_001098638.1	93.9
RNF17	NM_031277.2	100.0
RNF170	NM_001160223.1	100.0
RNF175	NM_173662.2	100.0
RNF180	NM_178532.3	100.0
RNF181	NM_016494.3	100.0
RNF182	NM_152737.3	100.0
RNF183	NM_145051.3	100.0
RNF185	NM_152267.3	100.0
RNF186	NM_019062.1	100.0
RNF187	NM_001010858.2	75.6
RNF19A	NM_015435.4	100.0
RNF19B	NM_153341.2	94.3
RNF2	NM_007212.3	100.0
RNF20	NM_019592.6	100.0
RNF207	NM_207396.2	100.0
RNF208	NM_031297.4	100.0
RNF212	NM_194439.4	100.0
RNF213	NM_001256071.1	100.0
RNF214	NM_207343.3	100.0
RNF215	NM_001017981.1	89.8
RNF216	NM_207111.3	100.0
RNF217	NM_152553.2	100.0
RNF219	NM_024546.3	100.0
RNF220	NM_018150.2	100.0
RNF222	NM_001146684.2	100.0
RNF223	NM_001205252.1	100.0
RNF224	NM_001190228.1	100.0
RNF24	NM_007219.3	100.0
RNF25	NM_022453.2	100.0
RNF26	NM_032015.4	100.0
RNF31	NM_017999.4	100.0
RNF32	NM_001184996.1	100.0
RNF34	NM_025126.3	100.0
RNF38	NM_022781.4	100.0
RNF39	NM_025236.3	100.0

RNF4	NM_002938.4	100.0
RNF40	NM_014771.3	100.0
RNF41	NM_005785.3	100.0
RNF43	NM_017763.4	100.0
RNF44	NM_014901.4	100.0
RNF5	NM_006913.3	100.0
RNF6	NM_005977.3	100.0
RNF7	NM_014245.4	100.0
RNF8	NM_003958.3	100.0
RNFT1	NM_016125.3	100.0
RNFT2	NM_032814.3	100.0
RNGTT	NM_003800.3	100.0
RNH1	NM_002939.3	100.0
RNLS	NM_001031709.2	100.0
RNMT	NM_003799.1	100.0
RNMTL1	NM_018146.2	100.0
RNPC3	NM_017619.3	100.0
RNPEP	NM_020216.3	99.8
RNPEPL1	NM_018226.4	87.8
RNPS1	NM_006711.3	100.0
ROBO1	NM_002941.3	100.0
ROBO2	NM_002942.4	100.0
ROBO3	NM_022370.3	100.0
ROBO4	NM_019055.5	100.0
ROCK1	NM_005406.2	100.0
ROCK2	NM_004850.3	100.0
ROGDI	NM_024589.2	100.0
ROM1	NM_000327.3	100.0
ROMO1	NM_080748.2	100.0
ROPN1	NM_017578.2	100.0
ROPN1B	NM_001012337.1	100.0
ROPN1L	NM_031916.4	100.0
ROR1	NM_005012.3	98.0
ROR2	NM_004560.3	100.0
RORA	NM_134260.2	100.0
RORB	NM_006914.3	100.0
RORC	NM_005060.3	100.0
ROS1	NM_002944.2	100.0
RP1	NM_006269.1	100.0
RP1L1	NM_178857.5	100.0

RP2	NM_006915.2	100.0
RP9	NM_203288.1	98.6
RPA1	NM_002945.3	100.0
RPA2	NM_002946.3	100.0
RPA3	NM_002947.3	100.0
RPA4	NM_013347.4	100.0
RPAIN	NM_001033002.3	100.0
RPAP1	NM_015540.2	100.0
RPAP2	NM_024813.2	100.0
RPAP3	NM_024604.2	100.0
RPE	NM_006916.2	100.0
RPE65	NM_000329.2	100.0
RPF1	NM_025065.6	100.0
RPF2	NM_032194.1	100.0
RPGR	NM_000328.2	100.0
RPGRIP1	NM_020366.3	100.0
RPGRIP1L	NM_015272.2	100.0
RPH3A	NM_014954.3	100.0
RPH3AL	NM_006987.3	100.0
RPIA	NM_144563.2	100.0
RPL10	NM_006013.3	100.0
RPL10A	NM_007104.4	100.0
RPL10L	NM_080746.2	100.0
RPL11	NM_000975.3	100.0
RPL12	NM_000976.3	100.0
RPL13	NM_000977.3	100.0
RPL13A	NM_012423.3	100.0
RPL14	NM_003973.4	100.0
RPL15	NM_002948.3	100.0
RPL17	NM_000985.4	100.0
RPL17-C18orf32	NM_001199355.1	100.0
RPL18	NM_000979.3	100.0
RPL18A	NM_000980.3	100.0
RPL19	NM_000981.3	100.0
RPL21	NM_000982.3	100.0
RPL22	NM_000983.3	100.0
RPL22L1	NM_001099645.1	100.0
RPL23	NM_000978.3	100.0
RPL23A	NM_000984.5	100.0
RPL24	NM_000986.3	100.0

RPL26	NM_000987.3	100.0
RPL26L1	NM_016093.2	100.0
RPL27	NM_000988.3	100.0
RPL27A	NM_000990.4	100.0
RPL28	NM_000991.4	100.0
RPL29	NM_000992.2	100.0
RPL3	NM_000967.3	100.0
RPL30	NM_000989.3	100.0
RPL31	NM_001098577.2	100.0
RPL32	NM_000994.3	100.0
RPL34	NM_000995.3	100.0
RPL35	NM_007209.3	100.0
RPL35A	NM_000996.2	100.0
RPL36	NM_033643.2	100.0
RPL36A	NM_021029.5	100.0
RPL36A-HNRNPH2	NM_001199973.1	100.0
RPL36AL	NM_001001.4	100.0
RPL37	NM_000997.4	100.0
RPL37A	NM_000998.4	100.0
RPL38	NM_000999.3	100.0
RPL39	NM_001000.3	100.0
RPL39L	NM_052969.1	100.0
RPL3L	NM_005061.2	100.0
RPL4	NM_000968.3	100.0
RPL41	NM_021104.1	100.0
RPL5	NM_000969.3	100.0
RPL6	NM_000970.3	100.0
RPL7	NM_000971.3	100.0
RPL7A	NM_000972.2	100.0
RPL7L1	NM_198486.2	100.0
RPL8	NM_000973.3	100.0
RPL9	NM_000661.4	100.0
RPLP0	NM_001002.3	100.0
RPLP1	NM_001003.2	100.0
RPLP2	NM_001004.3	100.0
RPN1	NM_002950.3	100.0
RPN2	NM_002951.3	100.0
RPP14	NM_007042.4	100.0
RPP21	NM_024839.2	100.0
RPP25	NM_017793.2	100.0

RPP25L	NM_148178.2	100.0
RPP30	NM_006413.4	100.0
RPP38	NM_006414.4	100.0
RPP40	NM_006638.2	100.0
RPRD1A	NM_018170.3	100.0
RPRD1B	NM_021215.3	100.0
RPRD2	NM_015203.3	100.0
RPRM	NM_019845.2	100.0
RPRML	NM_203400.4	99.9
RPS10	NM_001014.4	100.0
RPS10-NUDT3	NM_001202470.2	100.0
RPS11	NM_001015.4	100.0
RPS12	NM_001016.3	100.0
RPS13	NM_001017.2	100.0
RPS14	NM_005617.3	100.0
RPS15	NM_001018.3	100.0
RPS15A	NM_001019.4	100.0
RPS16	NM_001020.4	100.0
RPS17	NM_001021.3	100.0
RPS17L	NM_001199057.1	100.0
RPS18	NM_022551.2	100.0
RPS19	NM_001022.3	100.0
RPS19BP1	NM_194326.2	100.0
RPS2	NM_002952.3	100.0
RPS20	NM_001023.3	100.0
RPS21	NM_001024.3	100.0
RPS23	NM_001025.4	100.0
RPS24	NM_033022.3	100.0
RPS25	NM_001028.2	100.0
RPS26	NM_001029.3	100.0
RPS27	NM_001030.4	100.0
RPS27A	NM_002954.5	100.0
RPS27L	NM_015920.3	100.0
RPS28	NM_001031.4	100.0
RPS29	NM_001032.4	100.0
RPS3	NM_001005.4	100.0
RPS3A	NM_001006.4	100.0
RPS4X	NM_001007.4	100.0
RPS4Y1*	NM_001008.3	100.0
RPS4Y2*	NM_001039567.2	100.0

RPS5	NM_001009.3	100.0
RPS6	NM_001010.2	100.0
RPS6KA1	NM_002953.3	100.0
RPS6KA2	NM_021135.4	100.0
RPS6KA3	NM_004586.2	100.0
RPS6KA4	NM_003942.2	100.0
RPS6KA5	NM_004755.2	100.0
RPS6KA6	NM_014496.4	100.0
RPS6KB1	NM_003161.3	100.0
RPS6KB2	NM_003952.2	100.0
RPS6KC1	NM_012424.3	100.0
RPS6KL1	NM_031464.4	100.0
RPS7	NM_001011.3	100.0
RPS8	NM_001012.1	100.0
RPS9	NM_001013.3	100.0
RPSA	NM_002295.4	100.0
RPTN	NM_001122965.1	100.0
RPTOR	NM_020761.2	100.0
RPUSD1	NM_058192.2	100.0
RPUSD2	NM_152260.1	100.0
RPUSD3	NM_173659.3	100.0
RPUSD4	NM_032795.2	100.0
RQCD1	NM_005444.2	100.0
RRAD	NM_004165.2	98.2
RRAGA	NM_006570.4	100.0
RRAGB	NM_006064.4	100.0
RRAGC	NM_022157.3	100.0
RRAGD	NM_021244.4	100.0
RRAS	NM_006270.3	98.5
RRAS2	NM_012250.5	100.0
RRBP1	NM_004587.2	100.0
RREB1	NM_001003699.3	100.0
RRH	NM_006583.2	100.0
RRM1	NM_001033.3	100.0
RRM2	NM_001034.3	100.0
RRM2B	NM_015713.4	100.0
RRN3	NM_018427.3	100.0
RRNAD1	NM_015997.3	100.0
RRP1	NM_003683.5	100.0
RRP12	NM_015179.3	100.0

RRP15	NM_016052.3	100.0
RRP1B	NM_015056.2	100.0
RRP36	NM_033112.2	100.0
RRP7A	NM_015703.4	100.0
RRP8	NM_015324.3	100.0
RRP9	NM_004704.4	100.0
RRS1	NM_015169.3	100.0
RS1	NM_000330.3	100.0
RSAD1	NM_018346.1	99.9
RSAD2	NM_080657.4	100.0
RSBN1	NM_018364.3	100.0
RSBN1L	NM_198467.2	100.0
RSC1A1	NM_006511.1	100.0
RSF1	NM_016578.3	100.0
RSG1	NM_030907.3	100.0
RSL1D1	NM_015659.2	100.0
RSL24D1	NM_016304.2	100.0
RSPH1	NM_080860.2	100.0
RSPH10B	NM_173565.3	99.8
RSPH10B2	NM_001099697.1	99.6
RSPH3	NM_031924.4	100.0
RSPH4A	NM_001010892.2	100.0
RSPH6A	NM_030785.3	100.0
RSPH9	NM_152732.4	100.0
RSPO1	NM_001038633.3	100.0
RSPO2	NM_178565.4	100.0
RSPO3	NM_032784.4	100.0
RSPO4	NM_001029871.3	100.0
RSPRY1	NM_133368.1	100.0
RSRC1	NM_016625.3	100.0
RSRC2	NM_023012.5	100.0
RSU1	NM_012425.3	100.0
RTBDN	NM_031429.2	100.0
RTCA	NM_003729.3	100.0
RTCB	NM_014306.4	100.0
RTDR1	NM_014433.2	100.0
RTCL1	NM_032957.4	100.0
RTF1	NM_015138.4	100.0
RTFDC1	NM_016407.3	100.0
RTKN	NM_033046.2	100.0

RTKN2	NM_145307.2	100.0
RTN1	NM_021136.2	99.8
RTN2	NM_005619.4	100.0
RTN3	NM_001265589.1	100.0
RTN4	NM_007008.2	100.0
RTN4IP1	NM_032730.4	100.0
RTN4R	NM_023004.5	100.0
RTN4RL1	NM_178568.2	100.0
RTN4RL2	NM_178570.1	99.5
RTP1	NM_153708.2	100.0
RTP2	NM_001004312.2	100.0
RTP3	NM_031440.1	100.0
RTP4	NM_022147.2	100.0
RTTN	NM_173630.3	100.0
RUFY1	NM_025158.4	97.8
RUFY2	NM_017987.4	100.0
RUFY3	NM_014961.3	100.0
RUFY4	NM_198483.3	100.0
RUNDC1	NM_173079.2	98.8
RUNDC3A	NM_006695.4	100.0
RUNDC3B	NM_138290.2	100.0
RUNX1	NM_001754.4	99.7
RUNX1T1	NM_001198633.1	100.0
RUNX2	NM_001024630.3	99.0
RUNX3	NM_001031680.2	100.0
RUSC1	NM_014328.4	100.0
RUSC1-AS1	NM_001039517.1	100.0
RUSC2	NM_014806.2	100.0
RUVBL1	NM_003707.2	100.0
RUVBL2	NM_006666.1	100.0
RWDD1	NM_015952.2	100.0
RWDD2A	NM_033411.3	100.0
RWDD2B	NM_016940.2	100.0
RWDD3	NM_015485.4	100.0
RWDD4	NM_152682.2	100.0
RXFP1	NM_021634.3	100.0
RXFP2	NM_130806.3	100.0
RXFP3	NM_016568.3	100.0
RXFP4	NM_181885.2	100.0
RXRA	NM_002957.4	100.0

RXRB	NM_021976.4	100.0
RXRG	NM_006917.4	100.0
RYBP	NM_012234.5	100.0
RYK	NM_001005861.2	94.9
RYR1	NM_000540.2	98.7
RYR2	NM_001035.2	100.0
RYR3	NM_001036.3	100.0
S100A1	NM_006271.1	100.0
S100A10	NM_002966.2	100.0
S100A11	NM_005620.1	100.0
S100A12	NM_005621.1	100.0
S100A13	NM_005979.2	100.0
S100A14	NM_020672.2	100.0
S100A16	NM_080388.1	100.0
S100A2	NM_005978.3	100.0
S100A3	NM_002960.1	100.0
S100A4	NM_002961.2	100.0
S100A5	NM_002962.1	100.0
S100A6	NM_014624.3	100.0
S100A7	NM_002963.3	100.0
S100A7A	NM_176823.3	100.0
S100A7L2	NM_001045479.1	100.0
S100A8	NM_002964.4	100.0
S100A9	NM_002965.3	100.0
S100B	NM_006272.2	100.0
S100G	NM_004057.2	100.0
S100P	NM_005980.2	100.0
S100PBP	NM_022753.3	100.0
S100Z	NM_130772.3	100.0
S1PR1	NM_001400.4	100.0
S1PR2	NM_004230.3	100.0
S1PR3	NM_005226.3	100.0
S1PR4	NM_003775.3	100.0
S1PR5	NM_030760.4	100.0
SAA1	NM_000331.4	100.0
SAA2	NM_030754.4	100.0
SAA2-SAA4	NM_001199744.1	100.0
SAA4	NM_006512.3	100.0
SAAL1	NM_138421.2	100.0
SAC3D1	NM_013299.3	97.4

SACM1L	NM_014016.3	100.0
SACS	NM_014363.5	100.0
SAE1	NM_005500.2	100.0
SAFB	NM_002967.3	100.0
SAFB2	NM_014649.2	100.0
SAG	NM_000541.4	100.0
SAGE1	NM_018666.2	100.0
SALL1	NM_002968.2	100.0
SALL2	NM_005407.1	100.0
SALL3	NM_171999.3	94.4
SALL4	NM_020436.3	100.0
SAMD1	NM_138352.1	83.4
SAMD10	NM_080621.4	100.0
SAMD11	NM_152486.2	99.5
SAMD12	NM_207506.2	100.0
SAMD13	NM_001010971.2	100.0
SAMD14	NM_174920.3	100.0
SAMD15	NM_001010860.1	100.0
SAMD3	NM_001017373.3	100.0
SAMD4A	NM_015589.5	100.0
SAMD4B	NM_018028.2	100.0
SAMD5	NM_001030060.2	93.9
SAMD7	NM_182610.2	100.0
SAMD8	NM_144660.2	100.0
SAMD9	NM_017654.3	100.0
SAMD9L	NM_152703.2	100.0
SAMHD1	NM_015474.3	100.0
SAMM50	NM_015380.4	100.0
SAMSN1	NM_022136.4	100.0
SAP130	NM_024545.3	100.0
SAP18	NM_005870.4	100.0
SAP25	NM_001168682.1	100.0
SAP30	NM_003864.3	93.0
SAP30BP	NM_013260.6	100.0
SAP30L	NM_024632.5	100.0
SAPCD1	NM_001039651.1	100.0
SAPCD2	NM_178448.3	95.6
SAR1A	NM_020150.4	100.0
SAR1B	NM_001033503.2	100.0
SARDH	NM_007101.3	100.0

SARM1	NM_015077.3	99.5
SARNP	NM_033082.3	100.0
SARS	NM_006513.3	100.0
SARS2	NM_017827.3	100.0
SART1	NM_005146.4	100.0
SART3	NM_014706.3	100.0
SASH1	NM_015278.3	100.0
SASH3	NM_018990.3	100.0
SASS6	NM_194292.1	100.0
SAT1	NM_002970.2	100.0
SAT2	NM_133491.3	100.0
SATB1	NM_002971.4	100.0
SATB2	NM_015265.3	100.0
SATL1	NM_001012980.2	100.0
SAV1	NM_021818.3	100.0
SAYSD1	NM_018322.1	100.0
SBDS	NM_016038.2	100.0
SBF1	NM_002972.2	100.0
SBF2	NM_030962.3	100.0
SBK1	NM_001024401.2	94.6
SBK2	NM_001101401.2	100.0
SBNO1	NM_001167856.1	100.0
SBNO2	NM_014963.2	99.5
SBSN	NM_198538.3	100.0
SBSPON	NM_153225.3	99.9
SC5D	NM_006918.4	100.0
SCAF1	NM_021228.2	98.0
SCAF11	NM_004719.2	100.0
SCAF4	NM_020706.2	100.0
SCAF8	NM_014892.3	100.0
SCAI	NM_173690.4	100.0
SCAMP1	NM_004866.4	100.0
SCAMP2	NM_005697.3	100.0
SCAMP3	NM_005698.3	100.0
SCAMP4	NM_079834.2	100.0
SCAMP5	NM_138967.3	100.0
SCAND1	NM_016558.3	100.0
SCAND3	NM_052923.1	100.0
SCAP	NM_012235.2	100.0
SCAPER	NM_020843.2	100.0

SCARA3	NM_016240.2	100.0
SCARA5	NM_173833.5	100.0
SCARB1	NM_005505.4	100.0
SCARB2	NM_005506.3	100.0
SCARF1	NM_003693.3	99.0
SCARF2	NM_153334.4	95.9
SCCPDH	NM_016002.2	100.0
SCD	NM_005063.4	100.0
SCD5	NM_024906.2	100.0
SCEL	NM_003843.3	100.0
SCFD1	NM_016106.3	100.0
SCFD2	NM_152540.3	100.0
SCG2	NM_003469.4	100.0
SCG3	NM_013243.3	100.0
SCG5	NM_003020.3	100.0
SCGB1A1	NM_003357.4	100.0
SCGB1C1	NM_145651.2	100.0
SCGB1D1	NM_006552.1	100.0
SCGB1D2	NM_006551.3	100.0
SCGB1D4	NM_206998.1	100.0
SCGB2A1	NM_002407.2	100.0
SCGB2A2	NM_002411.2	100.0
SCGB2B2	NM_001025591.2	100.0
SCGB3A1	NM_052863.2	100.0
SCGB3A2	NM_054023.4	100.0
SCGN	NM_006998.3	100.0
SCHIP1	NM_014575.3	100.0
SCIMP	NM_207103.3	100.0
SCIN	NM_033128.3	100.0
SCLT1	NM_144643.2	100.0
SCLY	NM_016510.5	100.0
SCMH1	NM_012236.3	100.0
SCML1	NM_006746.4	100.0
SCML2	NM_006089.2	100.0
SCML4	NM_198081.3	100.0
SCN10A	NM_006514.2	100.0
SCN11A	NM_014139.2	100.0
SCN1A	NM_001165963.1	100.0
SCN1B	NM_001037.4	100.0
SCN2A	NM_021007.2	100.0

SCN2B	NM_004588.4	100.0
SCN3A	NM_006922.3	100.0
SCN3B	NM_018400.3	100.0
SCN4A	NM_000334.4	100.0
SCN4B	NM_174934.3	100.0
SCN5A	NM_198056.2	100.0
SCN7A	NM_002976.3	100.0
SCN8A	NM_014191.3	100.0
SCN9A	NM_002977.3	100.0
SCNM1	NM_024041.3	100.0
SCNN1A	NM_001038.5	100.0
SCNN1B	NM_000336.2	100.0
SCNN1D	NM_001130413.3	100.0
SCNN1G	NM_001039.3	100.0
SCO1	NM_004589.2	100.0
SCO2	NM_005138.2	100.0
SCOC	NM_032547.2	100.0
SCP2	NM_002979.4	100.0
SCP2D1	NM_178483.2	100.0
SCPEP1	NM_021626.2	100.0
SCRG1	NM_007281.2	100.0
SCRIB	NM_182706.4	100.0
SCRN1	NM_001145514.1	100.0
SCRN2	NM_138355.3	100.0
SCRN3	NM_024583.4	100.0
SCRT1	NM_031309.5	90.0
SCRT2	NM_033129.3	94.2
SCT	NM_021920.2	94.7
SCTR	NM_002980.2	100.0
SCUBE1	NM_173050.3	99.9
SCUBE2	NM_020974.2	99.1
SCUBE3	NM_152753.2	100.0
SCXA	NM_001008271.1	74.7
SCXB	NM_001080514.1	75.1
SCYL1	NM_020680.3	100.0
SCYL2	NM_017988.4	100.0
SCYL3	NM_020423.6	100.0
SDAD1	NM_018115.2	100.0
SDC1	NM_002997.4	98.0
SDC2	NM_002998.3	100.0

SDC3	NM_014654.3	92.0
SDC4	NM_002999.3	100.0
SDCBP	NM_005625.3	100.0
SDCBP2	NM_015685.5	100.0
SDCCAG3	NM_006643.3	100.0
SDCCAG8	NM_006642.3	100.0
SDE2	NM_152608.3	100.0
SDF2	NM_006923.3	100.0
SDF2L1	NM_022044.2	100.0
SDF4	NM_016176.3	100.0
SDHA	NM_004168.2	100.0
SDHAF1	NM_001042631.2	99.9
SDHAF2	NM_017841.2	100.0
SDHB	NM_003000.2	100.0
SDHC	NM_003001.3	100.0
SDHD	NM_003002.3	100.0
SDK1	NM_152744.3	96.5
SDK2	NM_001144952.1	100.0
SDPR	NM_004657.5	100.0
SDR16C5	NM_138969.2	100.0
SDR39U1	NM_020195.2	100.0
SDR42E1	NM_145168.2	100.0
SDR9C7	NM_148897.2	100.0
SDS	NM_006843.2	100.0
SDSL	NM_138432.2	100.0
SEBOX	NM_001080837.2	100.0
SEC11A	NM_014300.3	100.0
SEC11C	NM_033280.2	100.0
SEC13	NM_030673.3	100.0
SEC14L1	NM_003003.3	100.0
SEC14L2	NM_012429.3	100.0
SEC14L3	NM_174975.4	100.0
SEC14L4	NM_174977.3	100.0
SEC14L5	NM_014692.1	100.0
SEC14L6	NM_001193336.2	100.0
SEC16A	NM_014866.1	100.0
SEC16B	NM_033127.2	100.0
SEC22A	NM_012430.4	100.0
SEC22C	NM_004206.3	100.0
SEC23A	NM_006364.2	100.0

SEC23B	NM_006363.4	100.0
SEC23IP	NM_007190.3	100.0
SEC24A	NM_021982.2	100.0
SEC24B	NM_006323.2	99.2
SEC24C	NM_004922.3	100.0
SEC24D	NM_014822.2	100.0
SEC31A	NM_001077206.2	100.0
SEC31B	NM_015490.3	100.0
SEC61A1	NM_013336.3	100.0
SEC61A2	NM_018144.3	100.0
SEC61B	NM_006808.2	100.0
SEC61G	NM_014302.3	100.0
SEC62	NM_003262.3	100.0
SEC63	NM_007214.4	100.0
SECISBP2	NM_024077.3	100.0
SECISBP2L	NM_014701.3	100.0
SECTM1	NM_003004.2	100.0
SEH1L	NM_031216.3	100.0
SEL1L	NM_005065.5	100.0
SEL1L2	NM_001271539.1	100.0
SEL1L3	NM_015187.3	98.9
SELE	NM_000450.2	100.0
SELENBP1	NM_003944.3	100.0
SELK	NM_021237.3	100.0
SELL	NM_000655.4	100.0
SELM	NM_080430.2	100.0
SELO	NM_031454.1	91.9
SELP	NM_003005.3	100.0
SELPLG	NM_003006.4	100.0
SELRC1	NM_023077.2	100.0
SELT	NM_016275.3	100.0
SELV	NM_182704.1	100.0
SEMA3A	NM_006080.2	100.0
SEMA3B	NM_004636.2	100.0
SEMA3C	NM_006379.3	100.0
SEMA3D	NM_152754.2	100.0
SEMA3E	NM_012431.2	100.0
SEMA3F	NM_004186.3	100.0
SEMA3G	NM_020163.1	100.0
SEMA4A	NM_022367.3	100.0

SEMA4B	NM_020210.3	100.0
SEMA4C	NM_017789.4	100.0
SEMA4D	NM_006378.3	100.0
SEMA4F	NM_004263.4	100.0
SEMA4G	NM_017893.3	100.0
SEMA5A	NM_003966.2	100.0
SEMA5B	NM_001031702.3	100.0
SEMA6A	NM_020796.3	100.0
SEMA6B	NM_032108.3	99.0
SEMA6C	NM_030913.4	99.8
SEMA6D	NM_153618.1	100.0
SEMA7A	NM_003612.3	99.7
SEMG1	NM_003007.3	100.0
SEMG2	NM_003008.2	100.0
SENP1	NM_001267594.1	100.0
SENP2	NM_021627.2	100.0
SENP3	NM_015670.5	99.8
SENP5	NM_152699.4	100.0
SENP6	NM_015571.2	100.0
SENP7	NM_020654.3	100.0
SENP8	NM_145204.3	100.0
SEPHS1	NM_012247.4	100.0
SEPHS2	NM_012248.2	100.0
SEPN1	NM_020451.2	85.6
SEPP1	NM_005410.2	100.0
SEPSECS	NM_016955.3	100.0
SEPT1	NM_052838.4	100.0
SEPT10	NM_144710.3	100.0
SEPT11	NM_018243.2	100.0
SEPT12	NM_144605.4	100.0
SEPT14	NM_207366.2	100.0
SEPT15	NM_004261.3	100.0
SEPT2	NM_004404.3	100.0
SEPT3	NM_019106.5	100.0
SEPT4	NM_004574.3	100.0
SEPT5	NM_002688.5	100.0
SEPT6	NM_015129.5	100.0
SEPT7	NM_001788.5	100.0
SEPT8	NM_015146.1	100.0
SEPT9	NM_006640.4	100.0

SEPTIN10	NM_144710.3	100.0
SEPTIN4	NM_004574.3	100.0
SEPTIN5	NM_002688.5	100.0
SEPTIN6	NM_015129.5	100.0
SEPTIN7	NM_001788.5	100.0
SEPW1	NM_003009.2	100.0
SERAC1	NM_032861.3	100.0
SERBP1	NM_015640.3	99.9
SERF1A	NM_021967.2	100.0
SERF1B	NM_022978.2	100.0
SERF2	NM_001018108.3	100.0
SERGEF	NM_012139.2	100.0
SERHL2	NM_014509.3	100.0
SERINC1	NM_020755.2	100.0
SERINC2	NM_178865.4	100.0
SERINC3	NM_006811.2	100.0
SERINC4	NM_001258031.1	100.0
SERINC5	NM_178276.5	97.3
SERP1	NM_014445.3	100.0
SERP2	NM_001010897.1	100.0
SERPINA1	NM_000295.4	100.0
SERPINA10	NM_016186.2	100.0
SERPINA11	NM_001080451.1	100.0
SERPINA12	NM_173850.2	100.0
SERPINA3	NM_001085.4	100.0
SERPINA4	NM_006215.2	100.0
SERPINA5	NM_000624.5	100.0
SERPINA6	NM_001756.3	100.0
SERPINA7	NM_000354.5	100.0
SERPINA9	NM_175739.3	100.0
SERPINB1	NM_030666.3	100.0
SERPINB10	NM_005024.1	100.0
SERPINB11	NM_080475.2	100.0
SERPINB12	NM_080474.1	100.0
SERPINB13	NM_012397.3	100.0
SERPINB2	NM_001143818.1	100.0
SERPINB3	NM_006919.2	100.0
SERPINB4	NM_002974.2	100.0
SERPINB5	NM_002639.4	100.0
SERPINB6	NM_004568.5	100.0

SERPINB7	NM_003784.3	100.0
SERPINB8	NM_002640.3	100.0
SERPINB9	NM_004155.5	100.0
SERPINC1	NM_000488.3	100.0
SERPIND1	NM_000185.3	100.0
SERPINE1	NM_000602.4	100.0
SERPINE2	NM_006216.3	100.0
SERPINE3	NM_001101320.1	100.0
SERPINF1	NM_002615.5	100.0
SERPINF2	NM_000934.3	100.0
SERPING1	NM_000062.2	100.0
SERPINH1	NM_001235.3	100.0
SERPINI1	NM_005025.4	100.0
SERPINI2	NM_006217.4	100.0
SERTAD1	NM_013376.3	100.0
SERTAD2	NM_014755.2	100.0
SERTAD3	NM_013368.3	100.0
SERTAD4	NM_019605.3	100.0
SERTM1	NM_203451.2	100.0
SESN1	NM_014454.2	100.0
SESN2	NM_031459.4	100.0
SESN3	NM_144665.3	100.0
SESTD1	NM_178123.4	100.0
SET	NM_001122821.1	100.0
SETBP1	NM_015559.2	100.0
SETD1A	NM_014712.1	100.0
SETD1B	NM_015048.1	100.0
SETD2	NM_014159.6	100.0
SETD3	NM_032233.2	100.0
SETD4	NM_017438.3	100.0
SETD5	NM_001080517.1	100.0
SETD6	NM_024860.2	100.0
SETD7	NM_030648.2	100.0
SETD8	NM_020382.3	98.5
SETD9	NM_153706.3	100.0
SETDB1	NM_001145415.1	100.0
SETDB2	NM_031915.2	100.0
SETMAR	NM_006515.3	100.0
SETX	NM_015046.5	100.0
SEZ6	NM_178860.4	100.0

SEZ6L	NM_021115.4	100.0
SEZ6L2	NM_201575.3	100.0
SF1	NM_004630.3	100.0
SF3A1	NM_005877.4	100.0
SF3A2	NM_007165.4	100.0
SF3A3	NM_006802.2	100.0
SF3B1	NM_012433.2	100.0
SF3B14	NM_016047.3	100.0
SF3B2	NM_006842.2	100.0
SF3B3	NM_012426.4	100.0
SF3B4	NM_005850.4	100.0
SF3B5	NM_031287.2	100.0
SFI1	NM_014775.3	100.0
SFMBT1	NM_016329.3	100.0
SFMBT2	NM_001018039.1	100.0
SFN	NM_006142.3	100.0
SFPQ	NM_005066.2	100.0
SFR1	NM_145247.4	100.0
SFRP1	NM_003012.4	98.9
SFRP2	NM_003013.2	100.0
SFRP4	NM_003014.3	100.0
SFRP5	NM_003015.3	96.7
SFSWAP	NM_004592.3	100.0
SFT2D1	NM_145169.1	100.0
SFT2D2	NM_199344.2	100.0
SFT2D3	NM_032740.3	78.6
SFTA2	NM_205854.2	100.0
SFTA3	NM_001101341.1	100.0
SFTPA1	NM_005411.4	100.0
SFTPA2	NM_001098668.2	100.0
SFTPB	NM_198843.2	100.0
SFTPC	NM_003018.3	100.0
SFTPD	NM_003019.4	100.0
SFXN1	NM_022754.5	100.0
SFXN2	NM_178858.4	100.0
SFXN3	NM_030971.3	100.0
SFXN4	NM_213649.1	100.0
SFXN5	NM_144579.2	100.0
SGCA	NM_000023.2	100.0
SGCB	NM_000232.4	99.0

SGCD	NM_000337.5	100.0
SGCE	NM_003919.2	100.0
SGCG	NM_000231.2	100.0
SGCZ	NM_139167.2	100.0
SGIP1	NM_032291.2	100.0
SGK1	NM_005627.3	100.0
SGK110	NM_001199824.2	100.0
SGK196	NM_032237.4	100.0
SGK2	NM_016276.3	100.0
SGK223	NM_001080826.1	99.7
SGK3	NM_013257.4	100.0
SGK494	NM_001174103.1	100.0
SGMS1	NM_147156.3	100.0
SGMS2	NM_152621.5	100.0
SGOL1	NM_001199252.1	100.0
SGOL2	NM_152524.5	100.0
SGPL1	NM_003901.3	100.0
SGPP1	NM_030791.2	99.3
SGPP2	NM_152386.2	100.0
SGSH	NM_000199.3	100.0
SGSM1	NM_133454.2	100.0
SGSM2	NM_014853.2	100.0
SGSM3	NM_015705.4	100.0
SGTA	NM_003021.3	100.0
SGTB	NM_019072.2	100.0
SH2B1	NM_001145795.1	100.0
SH2B2	NM_020979.3	92.7
SH2B3	NM_005475.2	99.1
SH2D1A	NM_002351.4	100.0
SH2D1B	NM_053282.4	100.0
SH2D2A	NM_003975.3	100.0
SH2D3A	NM_005490.2	100.0
SH2D3C	NM_005489.3	100.0
SH2D4A	NM_022071.3	100.0
SH2D4B	NM_207372.2	100.0
SH2D5	NM_001103160.1	100.0
SH2D6	NM_198482.1	100.0
SH2D7	NM_001101404.1	100.0
SH3BGR	NM_007341.2	100.0
SH3BGRL	NM_003022.2	100.0

SH3BGRL2	NM_031469.2	100.0
SH3BGRL3	NM_031286.3	100.0
SH3BP1	NM_018957.3	100.0
SH3BP2	NM_003023.4	100.0
SH3BP4	NM_014521.2	100.0
SH3BP5	NM_004844.4	100.0
SH3BP5L	NM_030645.1	100.0
SH3D19	NM_001009555.3	100.0
SH3D21	NM_024676.4	100.0
SH3GL1	NM_003025.3	100.0
SH3GL2	NM_003026.2	100.0
SH3GL3	NM_003027.3	100.0
SH3GLB1	NM_016009.4	100.0
SH3GLB2	NM_020145.2	100.0
SH3KBP1	NM_031892.2	100.0
SH3PXD2A	NM_014631.2	100.0
SH3PXD2B	NM_001017995.2	100.0
SH3RF1	NM_020870.3	100.0
SH3RF2	NM_152550.3	100.0
SH3RF3	NM_001099289.1	99.3
SH3TC1	NM_018986.3	100.0
SH3TC2	NM_024577.3	100.0
SH3YL1	NM_015677.2	100.0
SHANK1	NM_016148.2	99.7
SHANK2	NM_012309.3	99.2
SHANK3	NM_033517.1	95.6
SHARPIN	NM_030974.3	97.6
SHB	NM_003028.2	99.4
SHBG	NM_001040.3	100.0
SHC1	NM_003029.4	100.0
SHC2	NM_012435.2	87.9
SHC3	NM_016848.5	95.4
SHC4	NM_203349.3	100.0
SHCBP1	NM_024745.4	100.0
SHCBP1L	NM_030933.2	100.0
SHD	NM_020209.3	100.0
SHE	NM_001010846.2	100.0
SHF	NM_138356.2	100.0
SHFM1	NM_006304.1	100.0
SHH	NM_000193.2	97.4

SHISA2	NM_001007538.1	100.0
SHISA3	NM_001080505.1	100.0
SHISA4	NM_198149.2	100.0
SHISA5	NM_016479.4	100.0
SHISA6	NM_207386.3	95.4
SHISA7	NM_001145176.1	93.8
SHISA8	NM_001207020.1	84.7
SHISA9	NM_001145204.2	100.0
SHKBP1	NM_138392.3	100.0
SHMT1	NM_004169.3	100.0
SHMT2	NM_005412.5	100.0
SHOC2	NM_007373.3	100.0
SHOX	NM_000451.3	50.0
SHOX2	NM_003030.4	99.9
SHPK	NM_013276.2	100.0
SHPRH	NM_173082.3	100.0
SHQ1	NM_018130.2	100.0
SHROOM1	NM_001172700.1	99.5
SHROOM2	NM_001649.2	98.7
SHROOM3	NM_020859.3	100.0
SHROOM4	NM_020717.3	100.0
SI	NM_001041.3	100.0
SIAE	NM_170601.4	100.0
SIAH1	NM_003031.3	100.0
SIAH2	NM_005067.5	97.7
SIAH3	NM_198849.2	100.0
SIDT1	NM_017699.2	99.7
SIDT2	NM_001040455.1	100.0
SIGIRR	NM_021805.2	100.0
SIGLEC1	NM_023068.3	100.0
SIGLEC10	NM_033130.4	100.0
SIGLEC11	NM_052884.2	99.9
SIGLEC12	NM_033329.1	100.0
SIGLEC14	NM_001098612.1	97.1
SIGLEC15	NM_213602.2	99.4
SIGLEC5	NM_003830.3	100.0
SIGLEC6	NM_001245.5	100.0
SIGLEC7	NM_014385.3	100.0
SIGLEC8	NM_014442.2	100.0
SIGLEC9	NM_014441.2	100.0

SIGLECL1	NM_173635.1	100.0
SIGMAR1	NM_005866.2	100.0
SIK1	NM_173354.3	100.0
SIK2	NM_015191.1	100.0
SIK3	NM_025164.3	100.0
SIKE1	NM_025073.2	100.0
SIL1	NM_022464.4	100.0
SIM1	NM_005068.2	100.0
SIM2	NM_005069.3	91.9
SIMC1	NM_198567.4	99.0
SIN3A	NM_015477.2	100.0
SIN3B	NM_015260.2	98.7
SIPA1	NM_153253.29	99.8
SIPA1L1	NM_015556.1	100.0
SIPA1L2	NM_020808.3	100.0
SIPA1L3	NM_015073.1	100.0
SIRPA	NM_001040022.1	100.0
SIRPB1	NM_006065.3	100.0
SIRPB2	NM_001122962.1	100.0
SIRPD	NM_178460.2	100.0
SIRPG	NM_018556.3	100.0
SIRT1	NM_012238.4	97.3
SIRT2	NM_012237.3	100.0
SIRT3	NM_012239.5	100.0
SIRT4	NM_012240.2	100.0
SIRT5	NM_012241.4	100.0
SIRT6	NM_016539.2	100.0
SIRT7	NM_016538.2	99.8
SIT1	NM_014450.2	100.0
SIVA1	NM_006427.3	100.0
SIX1	NM_005982.3	100.0
SIX2	NM_016932.4	100.0
SIX3	NM_005413.3	100.0
SIX4	NM_017420.4	100.0
SIX5	NM_175875.4	96.8
SIX6	NM_007374.2	100.0
SKA1	NM_145060.3	100.0
SKA2	NM_182620.3	100.0
SKA3	NM_145061.5	100.0
SKAP1	NM_003726.3	100.0

SKAP2	NM_003930.3	100.0
SKI	NM_003036.3	99.6
SKIDA1	NM_207371.3	91.4
SKIL	NM_005414.4	100.0
SKIV2L	NM_006929.4	100.0
SKIV2L2	NM_015360.4	100.0
SKOR1	NM_001258024.1	100.0
SKOR2	NM_001037802.1	100.0
SKP1	NM_006930.3	100.0
SKP2	NM_005983.3	100.0
SLA	NM_006748.3	100.0
SLA2	NM_032214.3	100.0
SLAIN1	NM_144595.3	100.0
SLAIN2	NM_020846.1	100.0
SLAMF1	NM_003037.2	100.0
SLAMF6	NM_052931.4	100.0
SLAMF7	NM_021181.3	100.0
SLAMF8	NM_020125.2	100.0
SLAMF9	NM_033438.3	100.0
SLBP	NM_006527.2	99.6
SLC10A1	NM_003049.3	100.0
SLC10A2	NM_000452.2	100.0
SLC10A3	NM_019848.3	100.0
SLC10A4	NM_152679.3	99.7
SLC10A5	NM_001010893.2	100.0
SLC10A6	NM_197965.2	100.0
SLC10A7	NM_032128.3	100.0
SLC11A1	NM_000578.3	100.0
SLC11A2	NM_000617.2	100.0
SLC12A1	NM_000338.2	100.0
SLC12A2	NM_001046.2	99.2
SLC12A3	NM_000339.2	100.0
SLC12A4	NM_005072.4	100.0
SLC12A5	NM_020708.4	100.0
SLC12A6	NM_133647.1	100.0
SLC12A7	NM_006598.2	100.0
SLC12A8	NM_024628.5	100.0
SLC12A9	NM_020246.3	100.0
SLC13A1	NM_022444.3	100.0
SLC13A2	NM_001145975.1	100.0

SLC13A3	NM_022829.5	100.0
SLC13A4	NM_012450.2	100.0
SLC13A5	NM_177550.3	100.0
SLC14A1	NM_015865.6	100.0
SLC14A2	NM_007163.3	100.0
SLC15A1	NM_005073.3	100.0
SLC15A2	NM_021082.3	100.0
SLC15A3	NM_016582.2	95.9
SLC15A4	NM_145648.3	94.0
SLC15A5	NM_001170798.1	100.0
SLC16A1	NM_003051.3	100.0
SLC16A10	NM_018593.4	95.3
SLC16A11	NM_153357.1	100.0
SLC16A12	NM_213606.3	100.0
SLC16A13	NM_201566.2	100.0
SLC16A14	NM_152527.4	100.0
SLC16A2	NM_006517.4	100.0
SLC16A4	NM_004696.2	100.0
SLC16A5	NM_004695.3	100.0
SLC16A6	NM_004694.4	100.0
SLC16A8	NM_013356.2	94.2
SLC16A9	NM_194298.2	100.0
SLC17A1	NM_005074.3	100.0
SLC17A2	NM_005835.2	100.0
SLC17A3	NM_006632.3	100.0
SLC17A4	NM_005495.2	100.0
SLC17A5	NM_012434.4	100.0
SLC17A6	NM_020346.2	100.0
SLC17A7	NM_020309.3	100.0
SLC17A8	NM_139319.2	100.0
SLC17A9	NM_022082.3	100.0
SLC18A1	NM_003053.3	100.0
SLC18A2	NM_003054.4	100.0
SLC18A3	NM_003055.2	100.0
SLC18B1	NM_052831.2	100.0
SLC19A1	NM_194255.2	100.0
SLC19A2	NM_006996.2	100.0
SLC19A3	NM_025243.3	100.0
SLC1A1	NM_004170.5	100.0
SLC1A2	NM_004171.3	100.0

SLC1A3	NM_004172.4	100.0
SLC1A4	NM_003038.4	99.8
SLC1A5	NM_005628.2	100.0
SLC1A6	NM_005071.2	100.0
SLC1A7	NM_006671.4	100.0
SLC20A1	NM_005415.4	100.0
SLC20A2	NM_006749.4	100.0
SLC22A1	NM_003057.2	100.0
SLC22A10	NM_001039752.3	100.0
SLC22A11	NM_018484.2	100.0
SLC22A12	NM_144585.3	100.0
SLC22A13	NM_004256.3	100.0
SLC22A14	NM_004803.3	100.0
SLC22A15	NM_018420.2	100.0
SLC22A16	NM_033125.3	100.0
SLC22A17	NM_016609.3	100.0
SLC22A18	NM_002555.5	100.0
SLC22A18AS	NM_007105.2	100.0
SLC22A2	NM_003058.3	100.0
SLC22A20	NM_001004326.4	100.0
SLC22A23	NM_015482.1	94.5
SLC22A24	NM_001136506.2	100.0
SLC22A25	NM_199352.3	100.0
SLC22A3	NM_021977.3	99.9
SLC22A31	NM_001242757.1	100.0
SLC22A4	NM_003059.2	100.0
SLC22A5	NM_003060.3	100.0
SLC22A6	NM_004790.4	100.0
SLC22A7	NM_006672.3	100.0
SLC22A8	NM_004254.3	100.0
SLC22A9	NM_080866.2	100.0
SLC23A1	NM_005847.4	100.0
SLC23A2	NM_005116.5	100.0
SLC23A3	NM_144712.4	100.0
SLC24A1	NM_004727.2	100.0
SLC24A2	NM_020344.3	100.0
SLC24A3	NM_020689.3	100.0
SLC24A4	NM_153646.3	100.0
SLC24A5	NM_205850.2	100.0
SLC25A1	NM_005984.3	98.8

SLC25A10	NM_012140.4	100.0
SLC25A11	NM_003562.4	100.0
SLC25A12	NM_003705.4	100.0
SLC25A13	NM_014251.2	100.0
SLC25A14	NM_003951.2	100.0
SLC25A15	NM_014252.3	100.0
SLC25A16	NM_152707.3	100.0
SLC25A17	NM_006358.2	100.0
SLC25A18	NM_031481.1	100.0
SLC25A19	NM_021734.4	100.0
SLC25A2	NM_031947.2	100.0
SLC25A20	NM_000387.5	100.0
SLC25A21	NM_030631.3	100.0
SLC25A22	NM_024698.5	100.0
SLC25A23	NM_024103.2	100.0
SLC25A24	NM_013386.4	100.0
SLC25A25	NM_052901.4	100.0
SLC25A26	NM_173471.3	100.0
SLC25A27	NM_004277.4	100.0
SLC25A28	NM_031212.3	98.1
SLC25A29	NM_001039355.1	100.0
SLC25A3	NM_005888.3	100.0
SLC25A30	NM_001010875.2	100.0
SLC25A31	NM_031291.2	100.0
SLC25A32	NM_030780.4	100.0
SLC25A33	NM_032315.2	100.0
SLC25A34	NM_207348.1	99.9
SLC25A35	NM_201520.1	100.0
SLC25A36	NM_018155.2	100.0
SLC25A37	NM_016612.2	100.0
SLC25A38	NM_017875.2	100.0
SLC25A39	NM_001143780.1	100.0
SLC25A4	NM_001151.3	100.0
SLC25A40	NM_018843.3	100.0
SLC25A41	NM_173637.3	100.0
SLC25A42	NM_178526.4	100.0
SLC25A43	NM_145305.2	100.0
SLC25A44	NM_014655.2	100.0
SLC25A45	NM_182556.2	100.0
SLC25A46	NM_138773.1	100.0

SLC25A47	NM_207117.2	100.0
SLC25A48	NM_145282.4	100.0
SLC25A5	NM_001152.4	100.0
SLC25A51	NM_033412.3	100.0
SLC25A52	NM_001034172.2	100.0
SLC25A53	NM_001012755.3	100.0
SLC25A6	NM_001636.3	50.0
SLC26A1	NM_213613.3	100.0
SLC26A10	NM_133489.2	100.0
SLC26A11	NM_173626.3	100.0
SLC26A2	NM_000112.3	100.0
SLC26A3	NM_000111.2	100.0
SLC26A4	NM_000441.1	100.0
SLC26A5	NM_198999.2	100.0
SLC26A6	NM_022911.2	100.0
SLC26A7	NM_052832.2	100.0
SLC26A8	NM_052961.3	100.0
SLC26A9	NM_052934.3	100.0
SLC27A1	NM_198580.1	100.0
SLC27A2	NM_003645.3	100.0
SLC27A3	NM_024330.1	100.0
SLC27A4	NM_005094.3	100.0
SLC27A5	NM_012254.2	100.0
SLC27A6	NM_014031.3	100.0
SLC28A1	NM_004213.3	100.0
SLC28A2	NM_004212.3	100.0
SLC28A3	NM_022127.2	100.0
SLC29A1	NM_001078177.1	100.0
SLC29A2	NM_001532.2	100.0
SLC29A3	NM_018344.5	100.0
SLC29A4	NM_153247.2	100.0
SLC2A1	NM_006516.2	100.0
SLC2A10	NM_030777.3	100.0
SLC2A11	NM_030807.3	100.0
SLC2A12	NM_145176.2	100.0
SLC2A13	NM_052885.3	99.9
SLC2A14	NM_153449.2	94.4
SLC2A2	NM_000340.1	100.0
SLC2A3	NM_006931.2	100.0
SLC2A4	NM_001042.2	100.0

SLC2A4RG	NM_020062.3	90.6
SLC2A5	NM_003039.2	100.0
SLC2A6	NM_017585.3	100.0
SLC2A7	NM_207420.2	100.0
SLC2A8	NM_014580.4	100.0
SLC2A9	NM_020041.2	100.0
SLC30A1	NM_021194.2	100.0
SLC30A10	NM_018713.2	100.0
SLC30A2	NM_001004434.1	100.0
SLC30A3	NM_003459.4	100.0
SLC30A4	NM_013309.4	100.0
SLC30A5	NM_022902.4	100.0
SLC30A6	NM_017964.3	100.0
SLC30A7	NM_133496.4	100.0
SLC30A8	NM_173851.2	100.0
SLC30A9	NM_006345.3	100.0
SLC31A1	NM_001859.3	100.0
SLC31A2	NM_001860.2	100.0
SLC32A1	NM_080552.2	100.0
SLC33A1	NM_004733.3	100.0
SLC34A1	NM_003052.4	100.0
SLC34A2	NM_006424.2	100.0
SLC34A3	NM_080877.2	100.0
SLC35A1	NM_006416.4	100.0
SLC35A2	NM_001042498.2	100.0
SLC35A3	NM_012243.2	100.0
SLC35A4	NM_080670.2	100.0
SLC35A5	NM_017945.3	100.0
SLC35B1	NM_005827.2	100.0
SLC35B2	NM_178148.2	100.0
SLC35B3	NM_015948.3	100.0
SLC35B4	NM_032826.4	100.0
SLC35C1	NM_018389.4	100.0
SLC35C2	NM_015945.11	100.0
SLC35D1	NM_015139.2	100.0
SLC35D2	NM_007001.2	97.9
SLC35D3	NM_001008783.1	100.0
SLC35E1	NM_024881.4	96.7
SLC35E2	NM_182838.2	100.0
SLC35E2B	NM_001110781.1	99.4

SLC35E3	NM_018656.2	100.0
SLC35E4	NM_001001479.2	100.0
SLC35F1	NM_001029858.3	100.0
SLC35F2	NM_017515.4	100.0
SLC35F3	NM_173508.2	100.0
SLC35F4	NM_001206920.1	100.0
SLC35F5	NM_025181.2	100.0
SLC35F6	NM_017877.3	100.0
SLC35G1	NM_153226.2	100.0
SLC35G2	NM_001097599.1	100.0
SLC35G3	NM_152462.2	100.0
SLC35G4	XM_928960.4	100.0
SLC35G5	NM_054028.1	100.0
SLC35G6	NM_001102614.1	100.0
SLC36A1	NM_078483.2	100.0
SLC36A2	NM_181776.2	100.0
SLC36A3	NM_181774.3	100.0
SLC36A4	NM_152313.2	100.0
SLC37A1	NM_018964.3	100.0
SLC37A2	NM_198277.2	100.0
SLC37A3	NM_032295.2	100.0
SLC37A4	NM_001164277.1	100.0
SLC38A1	NM_030674.3	100.0
SLC38A10	NM_138570.2	100.0
SLC38A11	NM_173512.2	100.0
SLC38A2	NM_018976.4	100.0
SLC38A3	NM_006841.4	100.0
SLC38A4	NM_018018.4	100.0
SLC38A5	NM_033518.2	100.0
SLC38A6	NM_153811.2	100.0
SLC38A7	NM_018231.1	100.0
SLC38A8	NM_001080442.1	100.0
SLC38A9	NM_173514.3	100.0
SLC39A1	NM_014437.4	100.0
SLC39A10	NM_020342.2	100.0
SLC39A11	NM_001159770.1	100.0
SLC39A12	NM_152725.3	100.0
SLC39A13	NM_152264.4	100.0
SLC39A14	NM_015359.4	100.0
SLC39A2	NM_014579.3	100.0

SLC39A3	NM_144564.4	100.0
SLC39A4	NM_130849.3	100.0
SLC39A5	NM_173596.2	100.0
SLC39A6	NM_012319.3	100.0
SLC39A7	NM_006979.2	100.0
SLC39A8	NM_022154.5	100.0
SLC39A9	NM_018375.4	100.0
SLC3A1	NM_000341.3	100.0
SLC3A2	NM_002394.5	95.1
SLC40A1	NM_014585.5	100.0
SLC41A1	NM_173854.4	100.0
SLC41A2	NM_032148.3	100.0
SLC41A3	NM_017836.3	100.0
SLC43A1	NM_003627.5	100.0
SLC43A2	NM_152346.1	100.0
SLC43A3	NM_014096.3	100.0
SLC44A1	NM_080546.3	100.0
SLC44A2	NM_020428.3	100.0
SLC44A3	NM_152369.4	100.0
SLC44A4	NM_025257.2	100.0
SLC44A5	NM_152697.4	100.0
SLC45A1	NM_001080397.1	100.0
SLC45A2	NM_016180.3	100.0
SLC45A3	NM_033102.2	100.0
SLC45A4	NM_001080431.1	100.0
SLC46A1	NM_080669.4	99.9
SLC46A2	NM_033051.3	100.0
SLC46A3	NM_181785.3	100.0
SLC47A1	NM_018242.2	100.0
SLC47A2	NM_152908.3	100.0
SLC48A1	NM_017842.2	100.0
SLC4A1	NM_000342.3	100.0
SLC4A10	NM_022058.3	100.0
SLC4A11	NM_032034.3	100.0
SLC4A1AP	NM_018158.2	100.0
SLC4A2	NM_003040.3	100.0
SLC4A3	NM_201574.2	100.0
SLC4A4	NM_003759.3	100.0
SLC4A5	NM_021196.3	100.0
SLC4A7	NM_003615.4	100.0

SLC4A8	NM_001039960.2	100.0
SLC4A9	NM_031467.2	100.0
SLC50A1	NM_018845.3	100.0
SLC51A	NM_152672.5	100.0
SLC51B	NM_178859.3	100.0
SLC52A1	NM_017986.3	100.0
SLC52A2	NM_024531.4	100.0
SLC52A3	NM_033409.3	100.0
SLC5A1	NM_000343.3	100.0
SLC5A10	NM_152351.4	100.0
SLC5A11	NM_052944.3	100.0
SLC5A12	NM_178498.3	100.0
SLC5A2	NM_003041.3	100.0
SLC5A3	NM_006933.4	100.0
SLC5A4	NM_014227.2	100.0
SLC5A5	NM_000453.2	100.0
SLC5A6	NM_021095.2	100.0
SLC5A7	NM_021815.2	100.0
SLC5A8	NM_145913.3	100.0
SLC5A9	NM_001011547.2	100.0
SLC6A1	NM_003042.3	100.0
SLC6A11	NM_014229.1	99.9
SLC6A12	NM_003044.4	100.0
SLC6A13	NM_001190997.2	100.0
SLC6A14	NM_007231.3	100.0
SLC6A15	NM_182767.5	100.0
SLC6A16	NM_014037.2	100.0
SLC6A17	NM_001010898.2	100.0
SLC6A18	NM_182632.2	100.0
SLC6A19	NM_001003841.2	100.0
SLC6A2	NM_001043.3	100.0
SLC6A20	NM_020208.3	100.0
SLC6A3	NM_001044.4	100.0
SLC6A4	NM_001045.5	100.0
SLC6A5	NM_004211.3	100.0
SLC6A6	NM_003043.4	100.0
SLC6A7	NM_014228.3	100.0
SLC6A8	NM_005629.3	99.6
SLC6A9	NM_006934.3	100.0
SLC7A1	NM_003045.4	100.0

SLC7A10	NM_019849.2	100.0
SLC7A11	NM_014331.3	100.0
SLC7A13	NM_138817.2	100.0
SLC7A14	NM_020949.2	100.0
SLC7A2	NM_001008539.3	100.0
SLC7A3	NM_032803.5	100.0
SLC7A4	NM_004173.2	100.0
SLC7A5	NM_003486.5	100.0
SLC7A6	NM_001076785.2	100.0
SLC7A6OS	NM_032178.2	100.0
SLC7A7	NM_001126106.2	100.0
SLC7A8	NM_012244.3	100.0
SLC7A9	NM_014270.4	100.0
SLC8A1	NM_021097.2	100.0
SLC8A2	NM_015063.2	100.0
SLC8A3	NM_033262.3	100.0
SLC8B1	NM_024959.2	100.0
SLC9A1	NM_003047.4	100.0
SLC9A2	NM_003048.3	100.0
SLC9A3	NM_004174.2	99.1
SLC9A3R1	NM_004252.4	100.0
SLC9A3R2	NM_004785.5	97.4
SLC9A4	NM_001011552.3	100.0
SLC9A5	NM_004594.2	100.0
SLC9A6	NM_006359.2	100.0
SLC9A7	NM_032591.2	97.3
SLC9A8	NM_015266.2	100.0
SLC9A9	NM_173653.3	100.0
SLC9B1	NM_139173.3	100.0
SLC9B2	NM_178833.4	100.0
SLC9C1	NM_183061.1	100.0
SLC9C2	NM_178527.3	100.0
SLCO1A2	NM_021094.3	100.0
SLCO1B1	NM_006446.4	100.0
SLCO1B3	NM_019844.3	100.0
SLCO1B7	NM_001009562.4	100.0
SLCO1C1	NM_001145944.1	100.0
SLCO2A1	NM_005630.2	100.0
SLCO2B1	NM_007256.4	100.0
SLCO3A1	NM_013272.3	100.0

SLCO4A1	NM_016354.3	100.0
SLCO4C1	NM_180991.4	100.0
SLCO5A1	NM_030958.2	100.0
SLCO6A1	NM_173488.3	100.0
SLFN11	NM_152270.3	100.0
SLFN12	NM_018042.3	100.0
SLFN12L	NM_001195790.1	100.0
SLFN13	NM_144682.5	100.0
SLFN14	NM_001129820.1	100.0
SLFN5	NM_144975.3	100.0
SLFNL1	NM_144990.3	100.0
SLIRP	NM_031210.5	100.0
SLIT1	NM_003061.2	100.0
SLIT2	NM_004787.1	100.0
SLIT3	NM_003062.3	99.9
SLITRK1	NM_052910.2	100.0
SLITRK2	NM_032539.4	100.0
SLITRK3	NM_014926.2	100.0
SLITRK4	NM_173078.3	100.0
SLITRK5	NM_015567.1	100.0
SLITRK6	NM_032229.2	100.0
SLK	NM_014720.2	100.0
SLMAP	NM_007159.2	100.0
SLMO1	NM_006553.3	100.0
SLMO2	NM_016045.2	100.0
SLN	NM_003063.2	100.0
SLPI	NM_003064.3	100.0
SLTM	NM_024755.2	100.0
SLU7	NM_006425.4	100.0
SLURP1	NM_020427.2	100.0
SLX1A	NM_001014999.2	100.0
SLX1B	NM_024044.3	100.0
SLX4	NM_032444.2	100.0
SLX4IP	NM_001009608.1	100.0
SMAD1	NM_005900.2	100.0
SMAD2	NM_005901.5	100.0
SMAD3	NM_005902.3	100.0
SMAD4	NM_005359.5	100.0
SMAD5	NM_005903.5	100.0
SMAD6	NM_005585.4	95.7

SMAD7	NM_005904.3	98.9
SMAD9	NM_001127217.2	100.0
SMAGP	NM_001031628.1	100.0
SMAP1	NM_021940.4	100.0
SMAP2	NM_022733.2	100.0
SMARCA1	NM_003069.3	100.0
SMARCA2	NM_003070.3	98.4
SMARCA4	NM_001128849.1	100.0
SMARCA5	NM_003601.3	100.0
SMARCAD1	NM_001128429.2	100.0
SMARCAL1	NM_014140.3	100.0
SMARCB1	NM_003073.3	100.0
SMARCC1	NM_003074.3	100.0
SMARCC2	NM_003075.3	100.0
SMARCD1	NM_003076.4	100.0
SMARCD2	NM_001098426.1	96.3
SMARCD3	NM_003078.3	99.1
SMARCE1	NM_003079.4	100.0
SMC1A	NM_006306.3	100.0
SMC1B	NM_148674.3	100.0
SMC2	NM_006444.2	100.0
SMC3	NM_005445.3	100.0
SMC4	NM_005496.3	100.0
SMC5	NM_015110.3	100.0
SMC6	NM_024624.5	100.0
SMCHD1	NM_015295.2	100.0
SMCO2	NM_001145010.1	100.0
SMCO3	NM_001013698.2	100.0
SMCO4	NM_020179.2	100.0
SMCP	NM_030663.2	100.0
SMCR7	NM_139162.3	100.0
SMCR7L	NM_019008.4	100.0
SMCR8	NM_144775.2	100.0
SMDT1	NM_033318.4	100.0
SMEK1	NM_032560.4	100.0
SMEK2	NM_020463.2	100.0
SMG1	NM_015092.4	100.0
SMG5	NM_015327.2	100.0
SMG6	NM_017575.4	100.0
SMG7	NM_173156.2	100.0

SMG8	NM_018149.6	100.0
SMG9	NM_019108.2	100.0
SMIM1	NM_001163724.1	100.0
SMIM10	NM_001163438.1	100.0
SMIM11	NM_058182.4	100.0
SMIM12	NM_138428.5	100.0
SMIM13	NM_001135575.1	100.0
SMIM14	NM_174921.1	100.0
SMIM15	NM_001048249.3	100.0
SMIM17	NM_001193628.1	100.0
SMIM18	NM_001206847.1	100.0
SMIM19	NM_138436.3	100.0
SMIM2	NM_024058.2	100.0
SMIM20	NM_001145432.1	100.0
SMIM21	NM_001037331.2	100.0
SMIM22	NM_001253790.1	100.0
SMIM3	NM_032947.4	100.0
SMIM4	NM_001124767.1	100.0
SMIM5	NM_001162995.2	100.0
SMIM6	NM_001162997.1	100.0
SMIM7	NM_024104.3	100.0
SMIM8	NM_020425.4	100.0
SMIM9	NM_001162936.1	100.0
SMKR1	NM_001195243.1	100.0
SMLR1	NM_001195597.1	100.0
SMNDC1	NM_005871.3	100.0
SMO	NM_005631.4	98.2
SMOC1	NM_001034852.2	100.0
SMOC2	NM_022138.2	100.0
SMOX	NM_175839.2	100.0
SMPD1	NM_000543.4	100.0
SMPD2	NM_003080.2	100.0
SMPD3	NM_018667.3	100.0
SMPD4	NM_017751.4	100.0
SMPDL3A	NM_006714.3	100.0
SMPDL3B	NM_014474.2	100.0
SMPX	NM_014332.2	100.0
SMR3A	NM_012390.3	100.0
SMR3B	NM_006685.3	100.0
SMS	NM_004595.4	100.0

SMTN	NM_006932.4	100.0
SMTNL1	NM_001105565.2	100.0
SMTNL2	NM_198501.2	100.0
SMU1	NM_018225.2	100.0
SMUG1	NM_014311.2	99.9
SMURF1	NM_020429.2	100.0
SMURF2	NM_022739.3	100.0
SMYD1	NM_198274.3	100.0
SMYD2	NM_020197.2	100.0
SMYD3	NM_022743.2	100.0
SMYD4	NM_052928.2	100.0
SMYD5	NM_006062.2	100.0
SNAI1	NM_005985.3	100.0
SNAI2	NM_003068.4	100.0
SNAI3	NM_178310.3	100.0
SNAP23	NM_003825.3	100.0
SNAP25	NM_003081.3	100.0
SNAP29	NM_004782.3	100.0
SNAP47	NM_053052.3	100.0
SNAP91	NM_014841.2	100.0
SNAPC1	NM_003082.3	100.0
SNAPC2	NM_003083.3	100.0
SNAPC3	NM_001039697.1	100.0
SNAPC4	NM_003086.2	100.0
SNAPC5	NM_006049.2	100.0
SNAPIN	NM_012437.5	100.0
SNCA	NM_000345.3	100.0
SNCAIP	NM_005460.2	100.0
SNCB	NM_001001502.1	100.0
SNCG	NM_003087.2	100.0
SND1	NM_014390.2	100.0
SNED1	NM_001080437.1	99.1
SNF8	NM_007241.2	100.0
SNIP1	NM_024700.3	100.0
SNN	NM_003498.5	100.0
SNPH	NM_014723.2	100.0
SNRK	NM_017719.4	100.0
SNRNP200	NM_014014.4	100.0
SNRNP25	NM_024571.3	100.0
SNRNP27	NM_006857.2	100.0

SNRNP35	NM_022717.2	100.0
SNRNP40	NM_004814.2	100.0
SNRNP48	NM_152551.3	100.0
SNRNP70	NM_003089.4	99.9
SNRPA	NM_004596.4	100.0
SNRPA1	NM_003090.2	100.0
SNRPB	NM_003091.3	100.0
SNRPB2	NM_003092.4	100.0
SNRPC	NM_003093.2	100.0
SNRPD1	NM_006938.2	100.0
SNRPD2	NM_004597.5	100.0
SNRPD3	NM_004175.4	100.0
SNRPE	NM_003094.2	100.0
SNRPF	NM_003095.2	100.0
SNRPG	NM_003096.2	100.0
SNRPN	NM_003097.3	100.0
SNTA1	NM_003098.2	97.4
SNTB1	NM_021021.3	98.7
SNTB2	NM_006750.3	95.3
SNTG1	NM_018967.2	100.0
SNTG2	NM_018968.3	100.0
SNTN	NM_001080537.1	100.0
SNUPN	NM_005701.3	100.0
SNURF	NM_005678.3	100.0
SNW1	NM_012245.2	100.0
SNX1	NM_003099.4	100.0
SNX10	NM_001199835.1	100.0
SNX11	NM_013323.2	100.0
SNX12	NM_013346.3	100.0
SNX13	NM_015132.4	100.0
SNX14	NM_153816.3	100.0
SNX15	NM_013306.4	100.0
SNX16	NM_022133.3	100.0
SNX17	NM_014748.3	100.0
SNX18	NM_052870.2	99.7
SNX19	NM_014758.2	100.0
SNX2	NM_003100.3	100.0
SNX20	NM_153337.2	100.0
SNX21	NM_033421.2	100.0
SNX22	NM_024798.2	100.0

SNX24	NM_014035.2	100.0
SNX25	NM_031953.2	100.0
SNX27	NM_030918.5	100.0
SNX29	NM_032167.3	100.0
SNX3	NM_003795.4	100.0
SNX30	NM_001012994.1	100.0
SNX31	NM_152628.3	100.0
SNX32	NM_152760.2	100.0
SNX33	NM_153271.1	100.0
SNX4	NM_003794.3	99.9
SNX5	NM_014426.2	100.0
SNX6	NM_021249.3	100.0
SNX7	NM_015976.4	100.0
SNX8	NM_013321.2	100.0
SNX9	NM_016224.4	100.0
SOAT1	NM_003101.5	100.0
SOAT2	NM_003578.3	100.0
SOBP	NM_018013.3	94.9
SOCS1	NM_003745.1	99.9
SOCS2	NM_003877.4	100.0
SOCS3	NM_003955.4	100.0
SOCS4	NM_080867.2	100.0
SOCS5	NM_014011.4	100.0
SOCS6	NM_004232.3	100.0
SOCS7	NM_014598.2	100.0
SOD1	NM_000454.4	100.0
SOD2	NM_000636.2	100.0
SOD3	NM_003102.2	99.3
SOGA1	NM_080627.2	98.4
SOGA2	NM_015210.3	100.0
SOGA3	NM_001012279.2	100.0
SOHLH1	NM_001101677.1	100.0
SOHLH2	NM_017826.2	100.0
SON	NM_032195.2	100.0
SORBS1	NM_001034954.1	100.0
SORBS2	NM_001270771.1	100.0
SORBS3	NM_005775.4	100.0
SORCS1	NM_001013031.2	99.8
SORCS2	NM_020777.2	94.8
SORCS3	NM_014978.1	100.0

SORD	NM_003104.5	95.6
SORL1	NM_003105.5	100.0
SORT1	NM_002959.5	98.2
SOS1	NM_005633.3	100.0
SOS2	NM_006939.2	100.0
SOST	NM_025237.2	100.0
SOSTDC1	NM_015464.2	100.0
SOWAHA	NM_175873.4	99.1
SOWAHB	NM_001029870.1	99.1
SOWAHC	NM_023016.3	98.1
SOWAHD	NM_001105576.2	99.5
SOX1	NM_005986.2	74.8
SOX10	NM_006941.3	100.0
SOX11	NM_003108.3	100.0
SOX12	NM_006943.3	95.9
SOX13	NM_005686.2	100.0
SOX14	NM_004189.3	100.0
SOX15	NM_006942.1	100.0
SOX17	NM_022454.3	100.0
SOX18	NM_018419.2	91.5
SOX2	NM_003106.3	100.0
SOX21	NM_007084.2	86.5
SOX3	NM_005634.2	89.5
SOX30	NM_007017.2	100.0
SOX4	NM_003107.2	90.5
SOX5	NM_006940.4	100.0
SOX6	NM_033326.3	100.0
SOX7	NM_031439.3	99.9
SOX9	NM_000346.3	98.2
SP1	NM_003109.1	100.0
SP100	NM_001080391.1	100.0
SP110	NM_004509.3	100.0
SP140	NM_007237.4	100.0
SP140L	NM_138402.4	100.0
SP2	NM_003110.5	100.0
SP3	NM_003111.4	100.0
SP4	NM_003112.3	100.0
SP5	NM_001003845.2	99.2
SP6	NM_199262.2	100.0
SP7	NM_001173467.1	100.0

SP8	NM_182700.4	98.1
SP9	NM_001145250.1	93.0
SPA17	NM_017425.3	100.0
SPACA1	NM_030960.2	100.0
SPACA3	NM_173847.3	100.0
SPACA4	NM_133498.2	100.0
SPACA5	NM_205856.2	100.0
SPACA5B	NM_001079900.1	100.0
SPACA7	NM_145248.4	100.0
SPAG1	NM_172218.2	98.2
SPAG11A	NM_001081552.2	100.0
SPAG11B	NM_016512.3	99.8
SPAG16	NM_024532.4	100.0
SPAG17	NM_206996.2	100.0
SPAG4	NM_003116.1	100.0
SPAG5	NM_006461.3	100.0
SPAG6	NM_012443.3	100.0
SPAG7	NM_004890.2	100.0
SPAG8	NM_172312.1	100.0
SPAG9	NM_001130528.2	100.0
SPAM1	NM_003117.4	100.0
SPANXB1	NM_032461.2	100.0
SPANXB2	NM_145664.1	100.0
SPANXC	NM_022661.2	98.6
SPANXD	NM_032417.2	99.8
SPANXN1	NM_001009614.2	100.0
SPANXN2	NM_001009615.1	100.0
SPANXN3	NM_001009609.2	100.0
SPANXN4	NM_001009613.2	100.0
SPANXN5	NM_001009616.2	100.0
SPARC	NM_003118.3	100.0
SPARCL1	NM_004684.4	100.0
SPAST	NM_014946.3	99.8
SPATA1	XM_003118960.4	100.0
SPATA12	NM_181727.1	100.0
SPATA13	NM_001166271.1	100.0
SPATA16	NM_031955.5	100.0
SPATA17	NM_138796.2	100.0
SPATA18	NM_145263.2	100.0
SPATA19	NM_174927.1	100.0

SPATA2	NM_006038.3	100.0
SPATA20	NM_022827.3	100.0
SPATA21	NM_198546.1	100.0
SPATA22	NM_032598.4	100.0
SPATA24	NM_194296.1	100.0
SPATA25	NM_080608.3	100.0
SPATA2L	NM_152339.3	100.0
SPATA3	NM_139073.3	100.0
SPATA31C1	NM_001145124.1	100.0
SPATA31C2	NM_001166137.1	100.0
SPATA31D1	NM_001001670.2	100.0
SPATA31D3	NM_207416.2	100.0
SPATA31D4	NM_001145197.1	100.0
SPATA31E1	NM_178828.4	100.0
SPATA32	NM_152343.2	100.0
SPATA33	NM_153025.2	100.0
SPATA4	NM_144644.2	100.0
SPATA5	NM_145207.2	100.0
SPATA5L1	NM_024063.2	100.0
SPATA6	NM_019073.2	100.0
SPATA6L	NM_001039395.3	100.0
SPATA7	NM_018418.4	100.0
SPATA8	NM_173499.3	100.0
SPATA9	NM_031952.3	100.0
SPATC1	NM_198572.2	100.0
SPATC1L	NM_032261.4	100.0
SPATS1	NM_145026.3	100.0
SPATS2	NM_023071.3	100.0
SPATS2L	NM_015535.2	100.0
SPC24	NM_182513.2	100.0
SPC25	NM_020675.3	100.0
SPCS1	NM_014041.3	99.5
SPCS2	NM_014752.2	100.0
SPCS3	NM_021928.3	100.0
SPDEF	NM_012391.2	100.0
SPDL1	NM_017785.4	100.0
SPDYA	NM_182756.3	100.0
SPDYC	NM_001008778.1	100.0
SPDYE3	NM_001004351.4	99.8
SPDYE4	NM_001128076.1	100.0

SPECC1	NM_152904.4	100.0
SPECC1L	NM_015330.4	100.0
SPEF1	NM_015417.4	100.0
SPEF2	NM_024867.3	100.0
SPEG	NM_005876.4	99.9
SPEM1	NM_199339.2	100.0
SPEN	NM_015001.2	100.0
SPERT	NM_152719.1	100.0
SPESP1	NM_145658.3	100.0
SPG11	NM_025137.3	100.0
SPG20	NM_015087.4	100.0
SPG21	NM_016630.3	100.0
SPG7	NM_003119.2	100.0
SPHAR	NM_006542.3	100.0
SPHK1	NM_021972.3	100.0
SPHK2	NM_020126.4	100.0
SPHKAP	NM_030623.3	100.0
SPI1	NM_001080547.1	100.0
SPIB	NM_003121.4	100.0
SPIC	NM_152323.1	100.0
SPICE1	NM_144718.3	100.0
SPIDR	NM_001080394.2	100.0
SPIN1	NM_006717.2	100.0
SPIN2A	NM_019003.3	100.0
SPIN2B	NM_001006681.1	100.0
SPIN3	NM_001010862.2	100.0
SPIN4	NM_001012968.2	100.0
SPINK1	NM_003122.3	100.0
SPINK13	NM_001040129.2	100.0
SPINK14	NM_001001325.1	84.1
SPINK2	NM_021114.3	100.0
SPINK4	NM_014471.1	100.0
SPINK5	NM_006846.3	100.0
SPINK6	NM_205841.3	100.0
SPINK7	NM_032566.2	100.0
SPINK8	NM_001080525.1	100.0
SPINK9	NM_001040433.1	100.0
SPINT1	NM_003710.3	100.0
SPINT2	NM_021102.3	100.0
SPINT3	NM_006652.1	100.0

SPINT4	NM_178455.1	100.0
SPIRE1	NM_020148.2	96.8
SPIRE2	NM_032451.1	98.7
SPN	NM_003123.4	100.0
SPNS1	NM_032038.2	100.0
SPNS2	NM_001124758.1	94.0
SPNS3	NM_182538.4	100.0
SPO11	NM_012444.2	100.0
SPOCD1	NM_144569.4	100.0
SPOCK1	NM_004598.3	100.0
SPOCK2	NM_014767.2	100.0
SPOCK3	NM_016950.2	100.0
SPON1	NM_006108.3	100.0
SPON2	NM_012445.3	100.0
SPOP	NM_001007226.1	100.0
SPOPL	NM_001001664.2	100.0
SPP1	NM_001040058.1	100.0
SPP2	NM_006944.2	100.0
SPPL2A	NM_032802.3	100.0
SPPL2B	NM_152988.2	100.0
SPPL2C	NM_175882.2	100.0
SPPL3	NM_139015.4	100.0
SPR	NM_003124.4	99.7
SPRED1	NM_152594.2	100.0
SPRED2	NM_181784.2	100.0
SPRED3	NM_001042522.2	98.7
SPRN	NM_001012508.3	75.0
SPRR1A	NM_005987.3	100.0
SPRR1B	NM_003125.2	100.0
SPRR2G	NM_001014291.3	100.0
SPRR3	NM_005416.2	100.0
SPRR4	NM_173080.1	100.0
SPRTN	NM_032018.5	100.0
SPRY1	NM_001258038.1	100.0
SPRY2	NM_005842.2	100.0
SPRY3	NM_005840.1	50.0
SPRY4	NM_030964.3	100.0
SPRYD3	NM_032840.2	100.0
SPRYD4	NM_207344.3	100.0
SPRYD7	NM_020456.2	100.0

SPSB1	NM_025106.3	100.0
SPSB2	NM_032641.3	100.0
SPSB3	NM_080861.3	100.0
SPSB4	NM_080862.1	100.0
SPTA1	NM_003126.2	100.0
SPTAN1	NM_001130438.2	100.0
SPTB	NM_000347.5	100.0
SPTBN1	NM_003128.2	100.0
SPTBN2	NM_006946.2	100.0
SPTBN4	NM_020971.2	99.1
SPTBN5	NM_016642.3	100.0
SPTLC1	NM_006415.3	100.0
SPTLC2	NM_004863.3	100.0
SPTLC3	NM_018327.2	100.0
SPTSSA	NM_138288.3	100.0
SPTSSB	NM_001040100.1	100.0
SPTY2D1	NM_194285.2	100.0
SPZ1	NM_032567.3	100.0
SQLE	NM_003129.3	100.0
SQRDL	NM_021199.3	100.0
SQSTM1	NM_003900.4	99.9
SRA1	NM_001035235.3	100.0
SRBD1	NM_018079.4	100.0
SRC	NM_005417.4	100.0
SRCAP	NM_006662.2	100.0
SRCIN1	NM_025248.2	98.8
SRCRB4D	NM_080744.1	99.7
SRD5A1	NM_001047.2	100.0
SRD5A2	NM_000348.3	100.0
SRD5A3	NM_024592.4	100.0
SREBF1	NM_004176.4	100.0
SREBF2	NM_004599.3	100.0
SREK1	NM_001077199.2	100.0
SREK1IP1	NM_173829.3	100.0
SRF	NM_003131.2	97.1
SRFBP1	NM_152546.2	100.0
SRGAP1	NM_020762.2	100.0
SRGAP2B	NM_001271870.1	100.0
SRGAP2C	NM_001271872.1	100.0
SRGAP3	NM_014850.3	100.0

SRGN	NM_002727.2	100.0
SRI	NM_003130.3	100.0
SRL	NM_001098814.1	100.0
SRM	NM_003132.2	99.1
SRMS	NM_080823.2	100.0
SRP14	NM_003134.4	100.0
SRP19	NM_003135.2	100.0
SRP54	NM_003136.3	100.0
SRP68	NM_014230.3	99.2
SRP72	NM_006947.3	100.0
SRP9	NM_003133.5	100.0
SRPK1	NM_003137.4	100.0
SRPK2	NM_182691.2	100.0
SRPK3	NM_014370.3	100.0
SRPR	NM_003139.3	100.0
SRPRB	NM_021203.3	100.0
SRPX	NM_006307.4	100.0
SRPX2	NM_014467.2	100.0
SRR	NM_021947.1	100.0
SRRD	NM_001013694.2	99.2
SRRM1	NM_005839.3	100.0
SRRM2	NM_016333.3	100.0
SRRM3	NM_001110199.1	92.6
SRRM4	NM_194286.3	100.0
SRRM5	NM_001145641.1	100.0
SRRT	NM_015908.5	100.0
SRSF1	NM_006924.4	100.0
SRSF10	NM_006625.4	100.0
SRSF11	NM_004768.3	100.0
SRSF12	NM_080743.4	100.0
SRSF2	NM_003016.4	100.0
SRSF3	NM_003017.4	100.0
SRSF4	NM_005626.4	100.0
SRSF5	NM_006925.3	100.0
SRSF6	NM_006275.5	100.0
SRSF7	NM_001031684.2	100.0
SRSF8	NM_032102.3	97.3
SRSF9	NM_003769.2	100.0
SRXN1	NM_080725.2	95.5
SRY*	NM_003140.2	100.0

SS18	NM_005637.2	100.0
SS18L1	NM_198935.1	100.0
SS18L2	NM_016305.2	100.0
SSB	NM_003142.4	100.0
SSBP1	NM_003143.2	100.0
SSBP2	NM_012446.3	100.0
SSBP3	NM_018070.4	99.9
SSBP4	NM_032627.4	99.9
SSC5D	NM_001144950.1	100.0
SSFA2	NM_006751.5	100.0
SSH1	NM_018984.3	100.0
SSH2	NM_033389.2	100.0
SSH3	NM_017857.3	100.0
SSMEM1	NM_145268.3	100.0
SSNA1	NM_003731.2	100.0
SSPN	NM_005086.4	100.0
SSPO	NM_198455.2	99.9
SSR1	NM_003144.3	100.0
SSR2	NM_003145.3	100.0
SSR3	NM_007107.3	100.0
SSR4	NM_001204526.1	100.0
SSRP1	NM_003146.2	100.0
SSSCA1	NM_006396.1	100.0
SST	NM_001048.3	100.0
SSTR1	NM_001049.2	100.0
SSTR2	NM_001050.2	100.0
SSTR3	NM_001051.3	100.0
SSTR4	NM_001052.2	100.0
SSTR5	NM_001053.3	100.0
SSU72	NM_014188.2	100.0
SSUH2	NM_015931.2	100.0
SSX1	NM_005635.3	100.0
SSX2	NM_003147.5	100.0
SSX2B	NM_001164417.2	100.0
SSX2IP	NM_014021.3	100.0
SSX3	NM_021014.3	100.0
SSX4	NM_005636.3	100.0
SSX4B	NM_001034832.3	100.0
SSX5	NM_021015.3	100.0
SSX7	NM_173358.2	100.0

ST13	NM_003932.4	100.0
ST14	NM_021978.3	100.0
ST18	NM_014682.2	100.0
ST20	NM_001100879.1	81.3
ST20-MTHFS	NM_001199760.1	91.7
ST3GAL1	NM_003033.3	100.0
ST3GAL2	NM_006927.3	100.0
ST3GAL3	NM_006279.3	100.0
ST3GAL4	NM_006278.2	100.0
ST3GAL5	NM_003896.3	99.8
ST3GAL6	NM_006100.3	100.0
ST5	NM_005418.3	100.0
ST6GAL1	NM_003032.2	100.0
ST6GAL2	NM_032528.2	100.0
ST6GALNAC1	NM_018414.3	100.0
ST6GALNAC2	NM_006456.2	100.0
ST6GALNAC3	NM_152996.2	100.0
ST6GALNAC4	NM_175039.3	100.0
ST6GALNAC5	NM_030965.1	100.0
ST6GALNAC6	NM_013443.3	100.0
ST7	NM_021908.2	100.0
ST7L	NM_017744.4	100.0
ST8SIA1	NM_003034.3	100.0
ST8SIA2	NM_006011.3	100.0
ST8SIA3	NM_015879.2	100.0
ST8SIA4	NM_005668.5	100.0
ST8SIA5	NM_013305.4	100.0
ST8SIA6	NM_001004470.1	99.3
STAB1	NM_015136.2	100.0
STAB2	NM_017564.9	100.0
STAC	NM_003149.1	100.0
STAC2	NM_198993.3	100.0
STAC3	NM_145064.1	100.0
STAG1	NM_005862.2	100.0
STAG2	NM_006603.4	100.0
STAG3	NM_012447.2	100.0
STAM	NM_003473.3	100.0
STAM2	NM_005843.4	100.0
STAMBP	NM_006463.4	100.0
STAMBPL1	NM_020799.3	100.0

STAP1	NM_012108.2	100.0
STAP2	NM_017720.2	100.0
STAR	NM_000349.2	100.0
STARD10	NM_006645.2	100.0
STARD13	NM_178006.3	100.0
STARD3	NM_006804.3	100.0
STARD3NL	NM_032016.3	100.0
STARD4	NM_139164.1	100.0
STARD5	NM_181900.2	100.0
STARD7	NM_020151.3	99.8
STARD8	NM_014725.4	100.0
STARD9	NM_020759.2	100.0
STAT1	NM_007315.3	100.0
STAT2	NM_005419.3	100.0
STAT3	NM_139276.2	100.0
STAT4	NM_003151.3	100.0
STAT5A	NM_003152.3	100.0
STAT5B	NM_012448.3	100.0
STAT6	NM_003153.4	100.0
STATH	NM_003154.2	100.0
STAU1	NM_004602.2	100.0
STAU2	NM_014393.2	100.0
STBD1	NM_003943.4	100.0
STC1	NM_003155.2	100.0
STC2	NM_003714.2	100.0
STEAP1	NM_012449.2	100.0
STEAP1B	NM_207342.2	100.0
STEAP2	NM_152999.3	100.0
STEAP3	NM_001008410.1	100.0
STEAP4	NM_024636.3	100.0
STH	NM_001007532.2	100.0
STIL	NM_003035.2	100.0
STIM1	NM_003156.3	100.0
STIM2	NM_020860.3	99.9
STIP1	NM_006819.2	100.0
STK10	NM_005990.3	100.0
STK11	NM_000455.4	100.0
STK11IP	NM_052902.2	100.0
STK16	NM_001008910.2	100.0
STK17A	NM_004760.2	100.0

STK17B	NM_004226.3	100.0
STK19	NM_004197.1	100.0
STK24	NM_003576.3	100.0
STK25	NM_006374.4	100.0
STK3	NM_006281.3	100.0
STK31	NM_031414.4	100.0
STK32A	NM_145001.3	100.0
STK32B	NM_018401.1	100.0
STK32C	NM_173575.2	93.7
STK33	NM_030906.2	100.0
STK35	NM_080836.3	98.8
STK36	NM_015690.4	100.0
STK38	NM_007271.2	100.0
STK38L	NM_015000.3	100.0
STK39	NM_013233.2	98.4
STK4	NM_006282.2	100.0
STK40	NM_032017.1	100.0
STMN1	NM_203401.1	100.0
STMN2	NM_007029.3	100.0
STMN3	NM_015894.3	100.0
STMN4	NM_030795.2	100.0
STMND1	NM_001190766.1	100.0
STOM	NM_004099.5	100.0
STOML1	NM_004809.4	100.0
STOML2	NM_013442.1	100.0
STOML3	NM_145286.2	100.0
STON1	NM_006873.3	100.0
STON1-GTF2A1L	NM_172311.2	100.0
STON2	NM_001256430.1	100.0
STOX1	NM_152709.4	96.5
STOX2	NM_020225.1	100.0
STPG1	NM_178122.4	100.0
STPG2	NM_174952.2	100.0
STRA13	NM_144998.3	100.0
STRA6	NM_022369.3	100.0
STRA8	NM_182489.1	100.0
STRADA	NM_001003787.2	100.0
STRADB	NM_018571.5	100.0
STRAP	NM_007178.3	100.0
STRBP	NM_018387.4	100.0

STRC	NM_153700.2	100.0
STRIP1	NM_033088.3	100.0
STRIP2	NM_020704.2	100.0
STRN3	NM_014574.3	100.0
STRN4	NM_013403.2	98.2
STS	NM_000351.4	100.0
STT3A	NM_001278503.1	100.0
STT3B	NM_178862.1	99.6
STUB1	NM_005861.2	100.0
STX10	NM_003765.2	100.0
STX11	NM_003764.3	100.0
STX12	NM_177424.2	100.0
STX16	NM_001001433.2	100.0
STX17	NM_017919.2	100.0
STX18	NM_016930.2	100.0
STX19	NM_001001850.2	100.0
STX1A	NM_004603.3	100.0
STX1B	NM_052874.3	100.0
STX2	NM_001980.3	100.0
STX3	NM_004177.4	100.0
STX4	NM_004604.4	100.0
STX5	NM_003164.4	100.0
STX6	NM_005819.4	100.0
STX7	NM_003569.2	100.0
STX8	NM_004853.2	100.0
STXBP1	NM_003165.3	100.0
STXBP2	NM_006949.3	100.0
STXBP3	NM_007269.2	100.0
STXBP4	NM_178509.5	100.0
STXBP5	NM_001127715.2	100.0
STXBP5L	NM_014980.2	100.0
STXBP6	NM_014178.6	100.0
STYK1	NM_018423.2	100.0
STYX	NM_145251.3	100.0
STYXL1	NM_016086.2	100.0
SUB1	NM_006713.3	100.0
SUCLA2	NM_003850.2	100.0
SUCLG1	NM_003849.3	100.0
SUCLG2	NM_003848.3	100.0
SUCNR1	NM_033050.4	100.0

SUCO	NM_014283.3	100.0
SUDS3	NM_022491.2	100.0
SUFU	NM_016169.3	100.0
SUGP1	NM_172231.3	100.0
SUGP2	NM_014884.3	100.0
SUGT1	NM_006704.3	100.0
SULF1	NM_001128205.1	100.0
SULF2	NM_001161841.1	100.0
SULT1A1	NM_001055.3	100.0
SULT1A2	NM_001054.3	100.0
SULT1A3	NM_177552.3	100.0
SULT1A4	NM_001017390.2	100.0
SULT1B1	NM_014465.3	100.0
SULT1C2	NM_001056.3	100.0
SULT1C3	NM_001008743.1	100.0
SULT1C4	NM_006588.2	100.0
SULT1E1	NM_005420.2	100.0
SULT2A1	NM_003167.3	100.0
SULT2B1	NM_177973.1	100.0
SULT4A1	NM_014351.3	100.0
SULT6B1	NM_001032377.1	100.0
SUMF1	NM_182760.3	100.0
SUMF2	NM_015411.2	100.0
SUMO1	NM_003352.4	100.0
SUMO2	NM_006937.3	100.0
SUMO3	NM_006936.2	100.0
SUMO4	NM_001002255.1	100.0
SUN1	NM_001130965.2	100.0
SUN2	NM_015374.2	100.0
SUN3	NM_152782.3	100.0
SUN5	NM_080675.3	100.0
SUOX	NM_000456.2	100.0
SUPT16H	NM_007192.3	100.0
SUPT20H	NM_017569.3	100.0
SUPT20HL1	NM_001136234.1	100.0
SUPT20HL2	NM_001136233.1	99.9
SUPT4H1	NM_003168.2	100.0
SUPT5H	NM_003169.3	100.0
SUPT6H	NM_003170.3	100.0
SUPT7L	NM_014860.1	100.0

SUPV3L1	NM_003171.3	100.0
SURF1	NM_003172.3	100.0
SURF2	NM_017503.4	100.0
SURF4	NM_033161.3	100.0
SURF6	NM_006753.5	100.0
SUSD1	NM_022486.3	97.3
SUSD2	NM_019601.3	100.0
SUSD3	NM_145006.2	100.0
SUSD4	NM_017982.3	100.0
SUSD5	NM_015551.1	100.0
SUV39H1	NM_003173.2	100.0
SUV39H2	NM_024670.3	100.0
SUV420H1	NM_017635.3	100.0
SUV420H2	NM_032701.3	100.0
SUZ12	NM_015355.2	99.5
SV2A	NM_014849.4	100.0
SV2B	NM_014848.4	100.0
SV2C	NM_014979.1	100.0
SVEP1	NM_153366.3	100.0
SVIL	NM_003174.3	100.0
SVIP	NM_148893.1	100.0
SVOP	NM_018711.2	100.0
SVOPL	NM_174959.2	100.0
SWAP70	NM_015055.2	100.0
SWI5	NM_001040011.1	99.9
SWSAP1	NM_175871.3	100.0
SWT1	NM_017673.6	100.0
SYAP1	NM_032796.3	100.0
SYBU	NM_017786.5	100.0
SYCE1	NM_130784.2	100.0
SYCE1L	NM_001129979.1	100.0
SYCE2	NM_001105578.1	100.0
SYCE3	NM_001123225.1	100.0
SYCN	NM_001080468.2	100.0
SYCP1	NM_003176.2	100.0
SYCP2	NM_014258.2	100.0
SYCP2L	NM_001040274.2	100.0
SYCP3	NM_153694.4	100.0
SYDE1	NM_033025.4	100.0
SYDE2	NM_032184.1	99.5

SYF2	NM_015484.4	100.0
SYK	NM_003177.5	100.0
SYMPK	NM_004819.2	100.0
SYN1	NM_133499.2	99.2
SYN2	NM_133625.3	100.0
SYN3	NM_003490.3	100.0
SYNC	NM_030786.2	98.4
SYNCRIP	NM_001159673.1	100.0
SYNDIG1	NM_024893.2	100.0
SYNDIG1L	NM_001105579.1	100.0
SYNE1	NM_033071.3	100.0
SYNE2	NM_182914.2	100.0
SYNE3	NM_152592.3	100.0
SYNE4	NM_001039876.1	100.0
SYNGAP1	NM_006772.2	100.0
SYNGR1	NM_004711.4	100.0
SYNGR2	NM_004710.3	99.7
SYNGR3	NM_004209.5	99.5
SYNGR4	NM_012451.3	100.0
SYNJ1	NM_003895.3	100.0
SYNJ2	NM_003898.3	100.0
SYNJ2BP	NM_018373.2	100.0
SYNJ2BP-COX16	NM_001202547.2	100.0
SYNM	NM_145728.2	96.3
SYNPO	NM_007286.5	97.0
SYNPO2	NM_133477.2	100.0
SYNPO2L	NM_024875.3	100.0
SYNPR	NM_144642.4	100.0
SYNRG	NM_007247.4	100.0
SYP	NM_003179.2	100.0
SYPL1	NM_006754.3	100.0
SYPL2	NM_001040709.1	100.0
SYS1	NM_033542.3	100.0
SYT1	NM_005639.2	100.0
SYT10	NM_198992.3	100.0
SYT11	NM_152280.4	100.0
SYT12	NM_177963.3	100.0
SYT13	NM_020826.2	100.0
SYT14	NM_001146261.2	93.5
SYT15	NM_031912.4	100.0

SYT16	NM_031914.2	100.0
SYT17	NM_016524.2	100.0
SYT2	NM_177402.4	100.0
SYT3	NM_032298.2	100.0
SYT4	NM_020783.3	100.0
SYT5	NM_003180.2	100.0
SYT6	NM_205848.3	100.0
SYT7	NM_004200.3	100.0
SYT8	NM_138567.3	100.0
SYT9	NM_175733.3	100.0
SYTL1	NM_032872.2	99.3
SYTL2	NM_032379.3	100.0
SYTL3	NM_001009991.3	100.0
SYTL4	NM_080737.2	100.0
SYTL5	NM_138780.2	100.0
SYVN1	NM_032431.2	100.0
SZRD1	NM_001114600.2	100.0
SZT2	NM_015284.3	100.0
T (TBXT)	NM_003181.3	100.0
TAAR1	NM_138327.1	100.0
TAAR2	NM_001033080.1	100.0
TAAR5	NM_003967.2	100.0
TAAR6	NM_175067.1	100.0
TAAR8	NM_053278.1	100.0
TAAR9	NM_175057.3	100.0
TAB1	NM_006116.2	100.0
TAB2	NM_015093.4	100.0
TAB3	NM_152787.3	100.0
TAC1	NM_003182.2	100.0
TAC3	NM_013251.3	100.0
TAC4	NM_170685.2	100.0
TACC1	NM_006283.2	100.0
TACC2	NM_006997.2	100.0
TACC3	NM_006342.2	100.0
TACO1	NM_016360.3	100.0
TACR1	NM_001058.3	100.0
TACR2	NM_001057.2	100.0
TACR3	NM_001059.2	100.0
TACSTD2	NM_002353.2	98.5
TADA1	NM_053053.3	100.0

TADA2A	NM_001488.3	100.0
TADA2B	NM_152293.2	100.0
TADA3	NM_006354.3	100.0
TAF1	NM_004606.3	100.0
TAF10	NM_006284.3	89.7
TAF11	NM_005643.3	100.0
TAF12	NM_005644.3	100.0
TAF13	NM_005645.3	100.0
TAF15	NM_139215.2	100.0
TAF1A	NM_005681.3	100.0
TAF1B	NM_005680.2	100.0
TAF1C	NM_005679.3	100.0
TAF1D	NM_024116.3	100.0
TAF1L	NM_153809.2	100.0
TAF2	NM_003184.3	100.0
TAF3	NM_031923.3	100.0
TAF4	NM_003185.3	79.6
TAF4B	NM_005640.1	100.0
TAF5	NM_006951.3	100.0
TAF5L	NM_014409.3	100.0
TAF6	NM_005641.3	100.0
TAF6L	NM_006473.3	99.6
TAF7	NM_005642.2	100.0
TAF7L	NM_024885.3	100.0
TAF8	NM_138572.2	100.0
TAF9	NM_001015892.1	100.0
TAF9B	NM_015975.4	100.0
TAGAP	NM_054114.4	100.0
TAGLN	NM_003186.3	100.0
TAGLN2	NM_003564.2	100.0
TAGLN3	NM_013259.2	100.0
TAL1	NM_003189.2	96.9
TAL2	NM_005421.2	100.0
TALDO1	NM_006755.1	100.0
TAMM41	NM_138807.2	100.0
TANC1	NM_033394.2	100.0
TANC2	NM_025185.3	100.0
TANGO2	NM_152906.4	100.0
TANGO6	NM_024562.1	100.0
TANK	NM_004180.2	100.0

TAOK1	NM_020791.2	100.0
TAOK2	NM_004783.3	100.0
TAOK3	NM_016281.3	100.0
TAP1	NM_000593.5	100.0
TAP2	NM_000544.3	100.0
TAPBP	NM_003190.4	100.0
TAPBPL	NM_018009.4	100.0
TAPT1	NM_153365.2	97.5
TARBP1	NM_005646.3	96.3
TARBP2	NM_004178.4	100.0
TARDBP	NM_007375.3	100.0
TARM1	NM_001135686.1	100.0
TARP	NM_001003799.1	100.0
TARS	NM_152295.4	100.0
TARS2	NM_025150.4	100.0
TARSL2	NM_152334.2	100.0
TAS1R1	NM_138697.3	100.0
TAS1R2	NM_152232.2	100.0
TAS1R3	NM_152228.1	100.0
TAS2R1	NM_019599.2	100.0
TAS2R10	NM_023921.1	100.0
TAS2R13	NM_023920.2	100.0
TAS2R14	NM_023922.1	100.0
TAS2R16	NM_016945.2	100.0
TAS2R19	NM_176888.1	100.0
TAS2R20	NM_176889.2	100.0
TAS2R3	NM_016943.2	100.0
TAS2R30	NM_001097643.1	100.0
TAS2R31	NM_176885.2	100.0
TAS2R38	NM_176817.4	100.0
TAS2R39	NM_176881.2	100.0
TAS2R4	NM_016944.1	100.0
TAS2R40	NM_176882.1	100.0
TAS2R41	NM_176883.2	100.0
TAS2R42	NM_181429.1	100.0
TAS2R43	NM_176884.2	83.7
TAS2R46	NM_176887.2	100.0
TAS2R5	NM_018980.2	100.0
TAS2R50	NM_176890.2	100.0
TAS2R60	NM_177437.1	100.0

TAS2R7	NM_023919.2	100.0
TAS2R8	NM_023918.1	100.0
TAS2R9	NM_023917.2	100.0
TASP1	NM_017714.2	100.0
TAT	NM_000353.2	100.0
TATDN1	NM_032026.3	100.0
TATDN2	NM_014760.3	100.0
TATDN3	NM_001042552.2	100.0
TAX1BP1	NM_006024.6	100.0
TAX1BP3	NM_014604.3	100.0
TAZ	NM_000116.3	100.0
TBATA	NM_152710.2	100.0
TBC1D1	NM_015173.3	100.0
TBC1D10A	NM_031937.2	100.0
TBC1D10B	NM_015527.3	98.7
TBC1D10C	NM_198517.3	100.0
TBC1D12	NM_015188.1	99.5
TBC1D13	NM_018201.3	100.0
TBC1D14	NM_020773.2	100.0
TBC1D15	NM_022771.4	100.0
TBC1D16	NM_019020.3	100.0
TBC1D17	NM_024682.2	100.0
TBC1D19	NM_018317.2	100.0
TBC1D2	NM_018421.3	100.0
TBC1D20	NM_144628.2	99.9
TBC1D21	NM_153356.1	100.0
TBC1D22A	NM_014346.2	100.0
TBC1D22B	NM_017772.2	100.0
TBC1D23	NM_001199198.2	100.0
TBC1D24	NM_001199107.1	100.0
TBC1D25	NM_002536.2	100.0
TBC1D26	NM_178571.4	100.0
TBC1D28	NM_001039397.2	100.0
TBC1D29	NM_015594.2	100.0
TBC1D2B	NM_015079.5	97.8
TBC1D30	NM_015279.1	100.0
TBC1D31	NM_145647.3	100.0
TBC1D32	NM_152730.4	100.0
TBC1D4	NM_014832.2	100.0
TBC1D5	NM_014744.2	100.0

TBC1D7	NM_001143965.2	100.0
TBC1D8	NM_001102426.1	100.0
TBC1D8B	NM_017752.2	99.9
TBC1D9	NM_015130.2	100.0
TBC1D9B	NM_015043.3	100.0
TBCA	NM_004607.2	100.0
TBCB	NM_001281.2	100.0
TBCC	NM_003192.2	100.0
TBCCD1	NM_018138.3	100.0
TBCD	NM_005993.4	99.7
TBCE	NM_003193.3	100.0
TBCEL	NM_152715.3	100.0
TBCK	NM_033115.3	100.0
TBK1	NM_013254.3	100.0
TBKBP1	NM_014726.2	96.0
TBL1X	NM_005647.3	100.0
TBL1XR1	NM_024665.4	100.0
TBL1Y*	NM_033284.1	100.0
TBL2	NM_012453.2	100.0
TBL3	NM_006453.2	100.0
TBP	NM_003194.4	100.0
TBPL1	NM_004865.3	100.0
TBPL2	NM_199047.2	100.0
TBR1	NM_006593.2	99.8
TBRG1	NM_032811.2	100.0
TBRG4	NM_004749.3	100.0
TBX1	NM_080647.1	87.2
TBX10	NM_005995.4	100.0
TBX15	NM_152380.2	100.0
TBX18	NM_001080508.2	100.0
TBX19	NM_005149.2	100.0
TBX2	NM_005994.3	98.2
TBX20	NM_001077653.2	100.0
TBX21	NM_013351.1	99.6
TBX22	NM_001109878.1	100.0
TBX3	NM_005996.3	100.0
TBX4	NM_018488.2	100.0
TBX5	NM_000192.3	100.0
TBX6	NM_004608.3	100.0
TBXA2R	NM_001060.5	100.0

TBXAS1	NM_001061.4	100.0
TC2N	NM_152332.4	100.0
TCAIM	NM_173826.3	100.0
TCAP	NM_003673.3	100.0
TCEA1	NM_006756.2	100.0
TCEA2	NM_003195.4	100.0
TCEA3	NM_003196.1	100.0
TCEAL1	NM_004780.2	100.0
TCEAL2	NM_080390.3	100.0
TCEAL3	NM_032926.2	100.0
TCEAL4	NM_024863.4	100.0
TCEAL5	NM_001012979.2	100.0
TCEAL6	NM_001006938.2	100.0
TCEAL7	NM_152278.3	100.0
TCEAL8	NM_153333.2	100.0
TCEANC	NM_152634.2	92.8
TCEANC2	NM_153035.1	100.0
TCEB1	NM_005648.3	100.0
TCEB2	NM_007108.3	99.9
TCEB3	NM_003198.2	100.0
TCEB3B	NM_016427.2	100.0
TCERG1	NM_006706.3	100.0
TCERG1L	NM_174937.3	96.1
TCF12	NM_207036.1	100.0
TCF15	NM_004609.3	91.4
TCF19	NM_007109.2	100.0
TCF20	NM_005650.2	100.0
TCF21	NM_198392.2	100.0
TCF23	NM_175769.2	100.0
TCF24	NM_001193502.1	76.9
TCF25	NM_014972.2	100.0
TCF3	NM_003200.3	100.0
TCF4	NM_001083962.1	100.0
TCF7L1	NM_031283.2	97.4
TCF7L2	NM_030756.4	100.0
TCFL5	NM_006602.2	84.7
TCHH	NM_007113.3	100.0
TCHHL1	NM_001008536.1	100.0
TCHP	NM_032300.4	100.0
TCIRG1	NM_006019.3	100.0

TCL1A	NM_021966.2	100.0
TCL1B	NM_004918.3	100.0
TCN1	NM_001062.3	100.0
TCN2	NM_000355.3	100.0
TCOF1	NM_001135243.1	100.0
TCP1	NM_030752.2	100.0
TCP10	NM_004610.3	99.9
TCP10L	NM_144659.5	100.0
TCP10L2	NM_001145121.1	99.8
TCP11	NM_018679.5	100.0
TCP11L1	NM_018393.3	100.0
TCP11L2	NM_152772.1	100.0
TCP11X1	XM_003846309.2	96.9
TCP11X2	NM_001277423.1	100.0
TCTA	NM_022171.2	100.0
TCTE1	NM_182539.3	100.0
TCTE3	NM_174910.1	100.0
TCTEX1D1	NM_152665.2	100.0
TCTEX1D2	NM_152773.4	100.0
TCTEX1D4	NM_001013632.2	99.9
TCTN1	NM_001082538.2	100.0
TCTN2	NM_024809.4	100.0
TCTN3	NM_015631.5	100.0
TDG	NM_003211.4	100.0
TDGF1	NM_003212.3	100.0
TDO2	NM_005651.3	100.0
TDP1	NM_018319.3	100.0
TDP2	NM_016614.2	100.0
TDRD1	NM_198795.1	100.0
TDRD10	NM_182499.3	100.0
TDRD12	NM_001110822.1	100.0
TDRD3	NM_030794.2	100.0
TDRD5	NM_173533.3	100.0
TDRD6	NM_001010870.2	100.0
TDRD7	NM_014290.2	100.0
TDRD9	NM_153046.2	99.8
TDRKH	NM_006862.3	100.0
TDRP	NM_175075.4	99.7
TEAD1	NM_021961.5	100.0
TEAD2	NM_003598.1	100.0

TEAD3	NM_003214.3	100.0
TEAD4	NM_003213.3	100.0
TEC	NM_003215.2	100.0
TECPR1	NM_015395.2	100.0
TECPR2	NM_014844.3	100.0
TECR	NM_138501.5	100.0
TECRL	NM_001010874.4	100.0
TECTA	NM_005422.2	100.0
TECTB	NM_058222.2	100.0
TEDDM1	NM_172000.3	100.0
TEF	NM_003216.3	100.0
TEFM	NM_024683.3	100.0
TEK	NM_000459.3	100.0
TEKT1	NM_053285.1	100.0
TEKT2	NM_014466.2	100.0
TEKT3	NM_031898.2	100.0
TEKT4	NM_144705.2	100.0
TEKT5	NM_144674.1	100.0
TELO2	NM_016111.3	100.0
TEN1	NM_001113324.2	100.0
TENC1	NM_015319.2	100.0
TENM1	NM_001163278.1	100.0
TENM2	NM_001122679.1	100.0
TENM3	NM_001080477.1	100.0
TENM4	NM_001098816.2	100.0
TEP1	NM_007110.4	100.0
TEPP	NM_199046.2	100.0
TERC	NR_001566.1	100.0
TERF1	NM_003218.3	100.0
TERF2	NM_005652.4	98.3
TERF2IP	NM_018975.3	98.9
TERT	NM_198253.2	99.5
TES	NM_015641.3	100.0
TESC	NM_017899.3	100.0
TESK1	NM_006285.2	98.7
TESK2	NM_007170.2	100.0
TESPA1	NM_014796.2	100.0
TET1	NM_030625.2	100.0
TET2	NM_001127208.2	100.0
TET3	NM_144993.1	100.0

TEX10	NM_017746.3	100.0
TEX101	NM_031451.4	100.0
TEX11	NM_031276.2	100.0
TEX12	NM_031275.4	100.0
TEX13A	NM_031274.3	99.9
TEX13B	NM_031273.2	100.0
TEX14	NM_031272.4	100.0
TEX15	NM_031271.3	100.0
TEX19	NM_207459.3	100.0
TEX2	NM_018469.3	100.0
TEX22	NM_001195082.1	84.5
TEX26	NM_152325.1	100.0
TEX261	NM_144582.2	100.0
TEX264	NM_015926.5	100.0
TEX28	NM_001586.2	100.0
TEX29	NM_152324.1	100.0
TEX30	NM_138779.3	100.0
TEX33	NM_178552.3	100.0
TEX35	NM_032126.4	100.0
TEX36	NM_001128202.1	100.0
TEX37	NM_152670.2	100.0
TEX38	NM_001145474.2	100.0
TEX40	NM_001039496.1	100.0
TEX9	NM_198524.1	100.0
TF	NM_001063.3	100.0
TFAM	NM_003201.2	100.0
TFAP2A	NM_003220.2	100.0
TFAP2B	NM_003221.3	100.0
TFAP2C	NM_003222.3	100.0
TFAP2D	NM_172238.3	100.0
TFAP2E	NM_178548.3	98.2
TFAP4	NM_003223.2	100.0
TFB1M	NM_016020.3	100.0
TFB2M	NM_022366.2	100.0
TFCP2	NM_005653.4	100.0
TFCP2L1	NM_014553.2	100.0
TFDP2	NM_006286.4	100.0
TFDP3	NM_016521.2	100.0
TFE3	NM_006521.4	100.0
TFEB	NM_007162.2	100.0

TFEC	NM_012252.3	100.0
TFF1	NM_003225.2	100.0
TFF2	NM_005423.4	100.0
TFF3	NM_003226.3	100.0
TFG	NM_006070.5	100.0
TFIP11	NM_012143.2	100.0
TFPI	NM_006287.4	100.0
TFPI2	NM_006528.3	100.0
TFPT	NM_013342.3	100.0
TFR2	NM_003227.3	100.0
TFRC	NM_003234.2	100.0
TG	NM_003235.4	100.0
TGDS	NM_014305.2	100.0
TGFA	NM_003236.3	100.0
TGFB1	NM_000660.4	100.0
TGFB1I1	NM_015927.4	100.0
TGFB2	NM_003238.3	100.0
TGFB3	NM_003239.2	100.0
TGFBI	NM_000358.2	100.0
TGFBR1	NM_004612.2	98.1
TGFBR2	NM_003242.5	100.0
TGFBR3	NM_003243.4	100.0
TGFBR3L	NM_001195259.1	95.4
TGFBRAP1	NM_004257.4	100.0
TGIF1	NM_173208.2	100.0
TGIF2	NM_021809.6	100.0
TGIF2-C20orf24	NM_001199535.1	100.0
TGIF2LX	NM_138960.3	100.0
TGIF2LY*	NM_139214.2	100.0
TGM1	NM_000359.2	100.0
TGM2	NM_004613.2	100.0
TGM3	NM_003245.3	100.0
TGM4	NM_003241.3	100.0
TGM5	NM_201631.3	100.0
TGM6	NM_198994.2	100.0
TGM7	NM_052955.2	100.0
TGOLN2	NM_006464.3	100.0
TGS1	NM_024831.6	100.0
TH	NM_199292.2	100.0
THADA	NM_022065.4	100.0

THAP1	NM_018105.2	100.0
THAP10	NM_020147.3	100.0
THAP11	NM_020457.2	100.0
THAP2	NM_031435.3	100.0
THAP3	NM_138350.3	100.0
THAP4	NM_015963.5	100.0
THAP5	NM_182529.2	100.0
THAP6	NM_144721.4	100.0
THAP7	NM_030573.2	100.0
THAP8	NM_152658.2	100.0
THAP9	NM_024672.4	100.0
THBD	NM_000361.2	99.8
THBS1	NM_003246.2	100.0
THBS2	NM_003247.2	100.0
THBS3	NM_007112.4	100.0
THBS4	NM_003248.4	100.0
THEG	NM_016585.4	100.0
THEG5	NM_001205273.2	100.0
THEGL	NM_001256475.1	100.0
THEM4	NM_053055.4	100.0
THEM5	NM_182578.3	100.0
THEM6	NM_016647.2	100.0
THEMIS	NM_001010923.2	100.0
THEMIS2	NM_004848.2	100.0
THG1L	NM_017872.3	100.0
THNSL1	NM_024838.4	100.0
THNSL2	NM_018271.4	100.0
THOC1	NM_005131.2	100.0
THOC3	NM_032361.3	100.0
THOC5	NM_003678.4	100.0
THOC6	NM_024339.3	100.0
THOC7	NM_025075.2	100.0
THOP1	NM_003249.3	100.0
THPO	NM_000460.2	100.0
THRA	NM_199334.3	100.0
THRAP3	NM_005119.3	100.0
THRB	NM_000461.4	100.0
THRSP	NM_003251.3	100.0
THSD1	NM_018676.3	100.0
THSD4	NM_024817.2	99.4

THSD7A	NM_015204.2	99.8
THSD7B	NM_001080427.1	99.9
THTPA	NM_024328.4	100.0
THUMPD1	NM_017736.3	100.0
THUMPD2	NM_025264.4	100.0
THUMPD3	NM_015453.2	100.0
THY1	NM_006288.3	100.0
THYN1	NM_014174.2	100.0
TIA1	NM_022173.2	100.0
TIAF1	NM_004740.3	100.0
TIAL1	NM_003252.3	100.0
TIAM1	NM_003253.2	100.0
TIAM2	NM_012454.3	100.0
TICAM1	NM_182919.3	100.0
TICAM2	NM_021649.6	100.0
TICRR	NM_152259.3	100.0
TIE1	NM_005424.4	100.0
TIFA	NM_052864.2	100.0
TIFAB	NM_001099221.1	100.0
TIGD1	NM_145702.1	90.3
TIGD2	NM_145715.2	100.0
TIGD3	NM_145719.2	100.0
TIGD4	NM_145720.3	100.0
TIGD5	NM_032862.4	91.2
TIGD6	NM_030953.3	100.0
TIGD7	NM_033208.3	100.0
TIGIT	NM_173799.3	100.0
TIMD4	NM_138379.2	100.0
TIMELESS	NM_003920.3	100.0
TIMM10	NM_012456.2	100.0
TIMM10B	NM_012192.3	100.0
TIMM13	NM_012458.3	100.0
TIMM17A	NM_006335.2	100.0
TIMM17B	NM_005834.3	100.0
TIMM21	NM_014177.2	100.0
TIMM22	NM_013337.2	100.0
TIMM23	NM_006327.3	100.0
TIMM23B	XM_003118952.4	100.0
TIMM44	NM_006351.3	100.0
TIMM50	NM_001001563.1	100.0

TIMM8A	NM_004085.3	100.0
TIMM8B	NM_012459.2	100.0
TIMM9	NM_012460.2	100.0
TIMMDC1	NM_016589.3	100.0
TIMP1	NM_003254.2	100.0
TIMP2	NM_003255.4	98.9
TIMP3	NM_000362.4	100.0
TIMP4	NM_003256.3	100.0
TINAG	NM_014464.3	100.0
TINAGL1	NM_022164.2	100.0
TINF2	NM_001099274.1	100.0
TIPARP	NM_015508.4	100.0
TIPIN	NM_017858.2	100.0
TIPRL	NM_152902.3	100.0
TIRAP	NM_148910.2	100.0
TJAP1	NM_080604.2	100.0
TJP1	NM_003257.3	100.0
TJP2	NM_004817.3	100.0
TJP3	NM_001267560.1	100.0
TK1	NM_003258.4	100.0
TK2	NM_004614.4	99.4
TKT	NM_001135055.2	100.0
TKTL1	NM_012253.3	100.0
TKTL2	NM_032136.4	100.0
TLCD1	NM_138463.3	100.0
TLCD2	NM_001164407.1	100.0
TLDC1	NM_020947.3	100.0
TLDC2	NM_080628.1	100.0
TLE1	NM_005077.3	100.0
TLE2	NM_003260.4	100.0
TLE3	NM_005078.2	100.0
TLE4	NM_007005.3	100.0
TLE6	NM_024760.2	100.0
TLK1	NM_012290.4	100.0
TLK2	NM_006852.3	100.0
TLL1	NM_012464.4	100.0
TLL2	NM_012465.3	100.0
TLN1	NM_006289.3	100.0
TLN2	NM_015059.2	100.0
TLR1	NM_003263.3	100.0

TLR10	NM_030956.3	100.0
TLR2	NM_003264.3	100.0
TLR3	NM_003265.2	100.0
TLR4	NM_138554.4	100.0
TLR5	NM_003268.5	100.0
TLR6	NM_006068.4	100.0
TLR7	NM_016562.3	100.0
TLR8	NM_138636.4	100.0
TLR9	NM_017442.3	100.0
TLX1	NM_005521.3	99.9
TLX2	NM_016170.4	98.9
TLX3	NM_021025.2	100.0
TM2D1	NM_032027.2	100.0
TM2D2	NM_031940.3	100.0
TM2D3	NM_025141.3	100.0
TM4SF1	NM_014220.2	100.0
TM4SF18	NM_138786.3	100.0
TM4SF19	NM_138461.3	100.0
TM4SF20	NM_024795.3	100.0
TM4SF4	NM_004617.3	100.0
TM4SF5	NM_003963.2	100.0
TM6SF1	NM_023003.3	100.0
TM6SF2	NM_001001524.2	100.0
TM7SF2	NM_003273.3	100.0
TM7SF3	NM_016551.2	100.0
TM9SF1	NM_006405.5	100.0
TM9SF2	NM_004800.2	100.0
TM9SF3	NM_020123.3	99.2
TM9SF4	NM_014742.3	100.0
TMA16	NM_018352.2	100.0
TMA7	NM_015933.3	100.0
TMBIM1	NM_022152.4	100.0
TMBIM4	NM_016056.2	100.0
TMBIM6	NM_003217.2	100.0
TMC1	NM_138691.2	100.0
TMC2	NM_080751.2	100.0
TMC3	NM_001080532.1	100.0
TMC4	NM_144686.2	100.0
TMC5	NM_024780.4	100.0
TMC6	NM_007267.6	100.0

TMC7	NM_024847.3	100.0
TMC8	NM_152468.4	100.0
TMCC1	NM_001017395.3	100.0
TMCC2	NM_014858.3	100.0
TMCC3	NM_020698.2	99.9
TMCO1	NM_019026.4	100.0
TMCO2	NM_001008740.3	100.0
TMCO3	NM_017905.4	100.0
TMCO4	NM_181719.4	100.0
TMCO5A	NM_152453.2	100.0
TMCO6	NM_018502.3	100.0
TMED1	NM_006858.3	100.0
TMED10	NM_006827.5	100.0
TMED2	NM_006815.3	100.0
TMED3	NM_007364.2	100.0
TMED4	NM_182547.2	100.0
TMED5	NM_016040.4	100.0
TMED6	NM_144676.3	100.0
TMED7	NM_181836.5	99.8
TMED7-TICAM2	NM_001164468.2	99.9
TMED8	NM_213601.1	100.0
TMED9	NM_017510.4	100.0
TMEFF1	NM_003692.4	100.0
TMEFF2	NM_016192.2	100.0
TMEM100	NM_018286.2	100.0
TMEM101	NM_032376.2	100.0
TMEM102	NM_178518.2	98.4
TMEM104	NM_017728.3	100.0
TMEM105	NM_178520.3	99.9
TMEM106A	NM_145041.1	100.0
TMEM106B	NM_018374.3	100.0
TMEM106C	NM_024056.3	100.0
TMEM107	NM_032354.3	100.0
TMEM108	NM_023943.2	100.0
TMEM109	NM_024092.2	100.0
TMEM11	NM_003876.2	100.0
TMEM110	NM_198563.2	100.0
TMEM110-MUSTN1	NM_001198974.2	100.0
TMEM115	NM_007024.4	100.0
TMEM116	NM_138341.2	100.0

TMEM117	NM_032256.1	100.0
TMEM119	NM_181724.2	100.0
TMEM120A	NM_031925.2	100.0
TMEM120B	NM_001080825.2	100.0
TMEM121	NM_025268.2	98.4
TMEM123	NM_052932.2	100.0
TMEM125	NM_144626.2	100.0
TMEM126A	NM_032273.3	100.0
TMEM126B	NM_018480.4	100.0
TMEM127	NM_017849.3	100.0
TMEM128	NM_032927.2	100.0
TMEM129	NM_138385.3	100.0
TMEM130	NM_152913.2	100.0
TMEM131	NM_015348.1	100.0
TMEM132A	NM_017870.3	100.0
TMEM132B	NM_052907.2	100.0
TMEM132C	NM_001136103.2	99.7
TMEM132D	NM_133448.2	100.0
TMEM132E	NM_207313.1	100.0
TMEM133	NM_032021.2	100.0
TMEM134	NM_025124.3	100.0
TMEM135	NM_022918.3	100.0
TMEM136	NM_174926.2	100.0
TMEM138	NM_016464.4	100.0
TMEM139	NM_153345.2	100.0
TMEM140	NM_018295.4	100.0
TMEM141	NM_032928.3	100.0
TMEM143	NM_018273.2	100.0
TMEM144	NM_018342.4	100.0
TMEM145	NM_173633.2	99.9
TMEM147	NM_032635.3	100.0
TMEM14A	NM_014051.3	100.0
TMEM14B	NM_030969.3	100.0
TMEM14C	NM_016462.3	100.0
TMEM14E	NM_001123228.1	100.0
TMEM150A	NM_001031738.2	100.0
TMEM150B	NM_001085488.1	100.0
TMEM150C	NM_001080506.1	100.0
TMEM151A	NM_153266.3	99.9
TMEM151B	NM_001137560.1	96.0

TMEM154	NM_152680.2	100.0
TMEM155	NM_152399.2	100.0
TMEM156	NM_024943.1	100.0
TMEM158	NM_015444.2	76.3
TMEM159	NM_020422.4	100.0
TMEM160	NM_017854.1	100.0
TMEM161A	NM_017814.2	100.0
TMEM161B	NM_153354.3	100.0
TMEM163	NM_030923.4	94.3
TMEM164	NM_017698.2	100.0
TMEM165	NM_018475.4	99.7
TMEM167A	NM_174909.4	100.0
TMEM167B	NM_020141.3	100.0
TMEM168	NM_022484.4	100.0
TMEM169	NM_138390.3	100.0
TMEM17	NM_198276.2	100.0
TMEM170A	NM_145254.1	100.0
TMEM170B	NM_001100829.2	100.0
TMEM171	NM_173490.6	100.0
TMEM173	NM_198282.2	100.0
TMEM174	NM_153217.2	100.0
TMEM175	NM_032326.2	100.0
TMEM176A	NM_018487.2	99.9
TMEM176B	NM_014020.3	100.0
TMEM177	NM_030577.2	100.0
TMEM178A	NM_152390.2	99.7
TMEM178B	NM_001195278.1	100.0
TMEM179	NM_207379.1	100.0
TMEM179B	NM_199337.2	100.0
TMEM18	NM_152834.2	100.0
TMEM180	NM_024789.3	100.0
TMEM181	NM_020823.1	100.0
TMEM182	NM_144632.3	100.0
TMEM183A	NM_138391.4	100.0
TMEM183B	NM_001079809.1	100.0
TMEM184A	NM_001097620.1	100.0
TMEM184B	NM_012264.4	100.0
TMEM184C	NM_018241.2	100.0
TMEM185A	NM_032508.2	100.0
TMEM185B	NM_024121.2	100.0

TMEM186	NM_015421.3	100.0
TMEM187	NM_003492.2	100.0
TMEM189	NM_199129.2	100.0
TMEM189-UBE2V1	NM_199203.2	100.0
TMEM19	NM_018279.3	100.0
TMEM190	NM_139172.1	100.0
TMEM191B	NM_001242313.1	98.5
TMEM191C	NM_001207052.1	99.9
TMEM192	NM_001100389.1	100.0
TMEM194A	NM_015257.2	100.0
TMEM194B	NM_001142645.1	100.0
TMEM196	NM_152774.3	100.0
TMEM198	NM_001005209.1	100.0
TMEM199	NM_152464.1	100.0
TMEM2	NM_013390.2	100.0
TMEM200A	NM_052913.2	100.0
TMEM200B	NM_001003682.3	98.6
TMEM200C	NM_001080209.1	91.3
TMEM201	NM_001130924.2	100.0
TMEM202	NM_001080462.1	100.0
TMEM203	NM_053045.1	100.0
TMEM204	NM_024600.5	100.0
TMEM205	NM_033408.3	100.0
TMEM206	NM_018252.2	100.0
TMEM207	NM_207316.1	100.0
TMEM208	NM_014187.3	100.0
TMEM209	NM_032842.3	100.0
TMEM210	XM_003846333.2	100.0
TMEM211	NM_001001663.1	100.0
TMEM212	NM_001164436.1	100.0
TMEM213	NM_001085429.1	100.0
TMEM214	NM_017727.4	100.0
TMEM215	NM_212558.2	100.0
TMEM216	NM_001173990.2	100.0
TMEM217	NM_145316.3	100.0
TMEM218	NM_001080546.2	100.0
TMEM219	NM_001083613.1	100.0
TMEM220	NM_001004313.1	100.0
TMEM221	NM_001190844.1	92.8
TMEM222	NM_032125.2	100.0

TMEM223	NM_001080501.2	100.0
TMEM225	NM_001013743.1	100.0
TMEM229A	NM_001136002.1	99.1
TMEM229B	NM_182526.2	100.0
TMEM230	NM_014145.4	100.0
TMEM231	NM_001077416.2	100.0
TMEM232	NM_001039763.3	100.0
TMEM233	NM_001136534.1	100.0
TMEM234	NM_019118.3	100.0
TMEM235	NM_001204210.1	99.4
TMEM236	NM_001098844.2	100.0
TMEM237	NM_001044385.2	100.0
TMEM238	NM_001190764.1	57.0
TMEM239	NM_001167670.1	100.0
TMEM240	NM_001114748.1	100.0
TMEM241	NM_032933.4	100.0
TMEM242	NM_018452.4	100.0
TMEM243	NM_024315.2	100.0
TMEM244	NM_001010876.1	100.0
TMEM245	NM_032012.3	99.1
TMEM246	NM_032342.1	100.0
TMEM247	NM_001145051.2	100.0
TMEM248	NM_017994.4	100.0
TMEM249	NM_001252402.2	100.0
TMEM25	NM_032780.3	100.0
TMEM251	NM_015676.1	100.0
TMEM252	NM_153237.1	100.0
TMEM253	NM_001146683.1	100.0
TMEM254	NM_025125.3	100.0
TMEM255A	NM_017938.3	100.0
TMEM255B	NM_182614.2	100.0
TMEM256	NM_152766.3	100.0
TMEM257	NM_004709.2	100.0
TMEM258	NM_014206.3	100.0
TMEM259	NM_033420.3	96.6
TMEM26	NM_178505.6	100.0
TMEM260	NM_017799.3	100.0
TMEM27	NM_020665.5	100.0
TMEM30A	NM_018247.3	100.0
TMEM30B	NM_001017970.2	100.0

TMEM31	NM_182541.2	100.0
TMEM33	NM_018126.2	100.0
TMEM35	NM_021637.2	100.0
TMEM37	NM_183240.2	100.0
TMEM38A	NM_024074.1	100.0
TMEM38B	NM_018112.2	100.0
TMEM39A	NM_018266.2	100.0
TMEM39B	NM_018056.2	100.0
TMEM40	NM_018306.2	100.0
TMEM41A	NM_080652.3	100.0
TMEM41B	NM_015012.3	100.0
TMEM42	NM_144638.1	100.0
TMEM43	NM_024334.2	100.0
TMEM44	NM_138399.4	100.0
TMEM45A	NM_018004.1	100.0
TMEM45B	NM_138788.3	100.0
TMEM47	NM_031442.3	100.0
TMEM5	NM_014254.2	100.0
TMEM50A	NM_014313.3	100.0
TMEM50B	NM_006134.6	100.0
TMEM51	NM_018022.2	100.0
TMEM52	NM_178545.3	99.9
TMEM52B	NM_153022.2	100.0
TMEM53	NM_024587.2	100.0
TMEM54	NM_033504.2	100.0
TMEM55A	NM_018710.2	100.0
TMEM55B	NM_144568.2	100.0
TMEM56	NM_152487.2	100.0
TMEM56-RWDD3	NM_001199691.1	100.0
TMEM57	NM_018202.4	100.0
TMEM59	NM_004872.3	100.0
TMEM59L	NM_012109.2	99.2
TMEM60	NM_032936.3	100.0
TMEM61	NM_182532.1	100.0
TMEM62	NM_024956.3	99.9
TMEM63A	NM_014698.2	100.0
TMEM63B	NM_018426.1	100.0
TMEM63C	NM_020431.2	100.0
TMEM64	NM_001008495.3	87.6
TMEM65	NM_194291.2	88.6

TMEM66	NM_016127.4	100.0
TMEM67	NM_153704.5	100.0
TMEM68	NM_152417.1	100.0
TMEM69	NM_016486.3	100.0
TMEM70	NM_017866.5	100.0
TMEM71	NM_144649.2	100.0
TMEM72	NM_001123376.1	100.0
TMEM74	NM_153015.1	100.0
TMEM74B	NM_018354.1	100.0
TMEM79	NM_032323.2	100.0
TMEM80	NM_174940.3	100.0
TMEM81	NM_203376.1	100.0
TMEM82	NM_001013641.2	100.0
TMEM86A	NM_153347.1	100.0
TMEM86B	NM_173804.4	100.0
TMEM87A	NM_015497.3	100.0
TMEM87B	NM_032824.2	100.0
TMEM88	NM_203411.1	100.0
TMEM88B	NM_001146685.1	99.8
TMEM89	NM_001008269.1	100.0
TMEM8A	NM_021259.2	99.1
TMEM8B	NM_016446.3	100.0
TMEM8C	NM_001080483.2	100.0
TMEM9	NM_016456.3	100.0
TMEM91	NM_001042595.2	100.0
TMEM92	NM_001168215.1	100.0
TMEM95	NM_198154.1	100.0
TMEM97	NM_014573.2	100.0
TMEM98	NM_015544.2	100.0
TMEM99	NM_145274.3	100.0
TMEM9B	NM_020644.1	100.0
TMF1	NM_007114.2	100.0
TMIE	NM_147196.2	100.0
TMIGD1	NM_206832.1	100.0
TMIGD2	NM_144615.2	100.0
TMLHE	NM_018196.3	99.9
TMOD1	NM_003275.3	100.0
TMOD2	NM_014548.3	100.0
TMOD3	NM_014547.4	100.0
TMOD4	NM_013353.2	100.0

TMPO	NM_003276.2	100.0
TMPPE	NM_001039770.2	100.0
TMPRSS11A	NM_182606.3	100.0
TMPRSS11B	NM_182502.3	100.0
TMPRSS11D	NM_004262.2	100.0
TMPRSS11E	NM_014058.3	100.0
TMPRSS11F	NM_207407.2	100.0
TMPRSS12	NM_182559.2	100.0
TMPRSS13	NM_001077263.2	100.0
TMPRSS15	NM_002772.2	100.0
TMPRSS2	NM_001135099.1	100.0
TMPRSS3	NM_024022.2	100.0
TMPRSS4	NM_019894.3	100.0
TMPRSS5	NM_030770.2	100.0
TMPRSS6	NM_153609.2	100.0
TMPRSS7	NM_001042575.2	100.0
TMPRSS9	NM_182973.1	99.7
TMSB10	NM_021103.3	100.0
TMSB15A	NM_021992.2	100.0
TMSB15B	NM_194324.2	100.0
TMSB4X	NM_021109.3	100.0
TMSB4Y*	NM_004202.2	100.0
TMTC1	NM_175861.3	100.0
TMTC2	NM_152588.1	100.0
TMTC3	NM_181783.3	100.0
TMTC4	NM_032813.2	100.0
TMUB1	NM_031434.3	100.0
TMUB2	NM_024107.2	100.0
TMX1	NM_030755.4	100.0
TMX2	NM_015959.3	100.0
TMX3	NM_019022.3	100.0
TMX4	NM_021156.2	99.8
TNC	NM_002160.3	100.0
TNF	NM_000594.3	100.0
TNFAIP1	NM_021137.4	100.0
TNFAIP2	NM_006291.2	92.7
TNFAIP3	NM_006290.3	100.0
TNFAIP6	NM_007115.3	100.0
TNFAIP8	NM_014350.2	100.0
TNFAIP8L1	NM_152362.2	100.0

TNFAIP8L2	NM_024575.4	100.0
TNFAIP8L2-SCNM1	NM_001204848.1	100.0
TNFAIP8L3	NM_207381.2	99.7
TNFRSF10A	NM_003844.3	100.0
TNFRSF10B	NM_147187.2	100.0
TNFRSF10C	NM_003841.3	100.0
TNFRSF10D	NM_003840.4	100.0
TNFRSF11A	NM_003839.3	97.2
TNFRSF11B	NM_002546.3	100.0
TNFRSF12A	NM_016639.2	100.0
TNFRSF13B	NM_012452.2	100.0
TNFRSF13C	NM_052945.3	98.8
TNFRSF14	NM_003820.2	100.0
TNFRSF17	NM_001192.2	100.0
TNFRSF18	NM_004195.2	100.0
TNFRSF19	NM_018647.3	100.0
TNFRSF1A	NM_001065.3	100.0
TNFRSF1B	NM_001066.2	100.0
TNFRSF21	NM_014452.4	100.0
TNFRSF25	NM_148965.1	100.0
TNFRSF4	NM_003327.3	100.0
TNFRSF6B	NM_003823.3	100.0
TNFRSF8	NM_001243.3	100.0
TNFRSF9	NM_001561.5	100.0
TNFSF10	NM_003810.3	100.0
TNFSF11	NM_003701.3	100.0
TNFSF12	NM_003809.2	99.4
TNFSF12-TNFSF13	NM_172089.3	99.6
TNFSF13	NM_003808.3	100.0
TNFSF13B	NM_006573.4	100.0
TNFSF14	NM_003807.3	100.0
TNFSF15	NM_005118.3	100.0
TNFSF18	NM_005092.3	100.0
TNFSF4	NM_003326.3	100.0
TNFSF8	NM_001244.3	100.0
TNFSF9	NM_003811.3	100.0
TNIK	NM_015028.2	100.0
TNIP1	NM_001252385.1	100.0
TNIP2	NM_024309.3	99.9
TNIP3	NM_024873.5	100.0

TNK1	NM_003985.4	100.0
TNK2	NM_001010938.1	100.0
TNKS	NM_003747.2	100.0
TNKS1BP1	NM_033396.2	100.0
TNKS2	NM_025235.3	99.4
TNMD	NM_022144.2	100.0
TNN	NM_022093.1	100.0
TNNC1	NM_003280.2	100.0
TNNC2	NM_003279.2	100.0
TNNI1	NM_003281.3	100.0
TNNI2	NM_003282.3	100.0
TNNI3	NM_000363.4	100.0
TNNI3K	NM_015978.2	100.0
TNNT1	NM_003283.4	100.0
TNNT2	NM_001001430.2	100.0
TNNT3	NM_006757.3	100.0
TNP1	NM_003284.3	100.0
TNP2	NM_005425.4	100.0
TNPO1	NM_002270.3	100.0
TNPO2	NM_001136196.1	100.0
TNPO3	NM_012470.3	100.0
TNR	NM_003285.2	100.0
TNRC18	NM_001080495.2	99.6
TNRC6A	NM_014494.2	100.0
TNRC6B	NM_015088.2	100.0
TNRC6C	NM_018996.3	100.0
TNS1	NM_022648.4	100.0
TNS3	NM_022748.11	100.0
TNS4	NM_032865.5	100.0
TNXB	NM_019105.6	100.0
TOB1	NM_005749.3	100.0
TOB2	NM_016272.3	100.0
TOE1	NM_025077.3	100.0
TOLLIP	NM_019009.3	100.0
TOM1	NM_005488.2	100.0
TOM1L1	NM_005486.2	100.0
TOM1L2	NM_001033551.2	100.0
TOMM20	NM_014765.2	100.0
TOMM20L	NM_207377.2	100.0
TOMM22	NM_020243.4	100.0

TOMM34	NM_006809.4	100.0
TOMM40	NM_006114.2	100.0
TOMM40L	NM_032174.4	100.0
TOMM5	NM_001001790.2	100.0
TOMM6	NM_001134493.1	100.0
TOMM7	NM_019059.3	100.0
TOMM70A	NM_014820.4	100.0
TONSL	NM_013432.4	100.0
TOP1	NM_003286.2	100.0
TOP1MT	NM_052963.2	100.0
TOP2B	NM_001068.3	100.0
TOP3A	NM_004618.3	100.0
TOP3B	NM_003935.3	100.0
TOPAZ1	NM_001145030.1	100.0
TOPBP1	NM_007027.3	100.0
TOPORS	NM_005802.4	100.0
TOR1A	NM_000113.2	100.0
TOR1AIP1	NM_001267578.1	100.0
TOR1AIP2	NM_022347.3	100.0
TOR1B	NM_014506.1	100.0
TOR2A	NM_130459.3	100.0
TOR3A	NM_022371.3	100.0
TOR4A	NM_017723.2	99.2
TOX	NM_014729.2	100.0
TOX2	NM_032883.2	100.0
TOX3	NM_001080430.2	100.0
TOX4	NM_014828.2	100.0
TP53	NM_000546.5	100.0
TP53AIP1	NM_022112.2	100.0
TP53BP1	NM_005657.2	100.0
TP53BP2	NM_001031685.2	100.0
TP53I11	NM_006034.3	100.0
TP53I13	NM_138349.2	100.0
TP53I3	NM_004881.4	100.0
TP53INP1	NM_033285.3	100.0
TP53INP2	NM_021202.1	94.9
TP53RK	NM_033550.3	100.0
TP53TG5	NM_014477.2	99.9
TP63	NM_003722.4	100.0
TP73	NM_005427.3	100.0

TPBG	NM_006670.4	100.0
TPBGL	NM_001195528.1	74.9
TPCN1	NM_017901.4	100.0
TPCN2	NM_139075.3	100.0
TPD52	NM_005079.2	100.0
TPD52L1	NM_003287.2	100.0
TPD52L2	NM_003288.3	100.0
TPD52L3	NM_033516.5	100.0
TPGS1	NM_033513.2	94.1
TPGS2	NM_015476.3	100.0
TPH1	NM_004179.2	100.0
TPH2	NM_173353.3	100.0
TPI1	NM_000365.5	100.0
TPK1	NM_022445.3	100.0
TPM1	NM_001018005.1	100.0
TPM2	NM_003289.3	100.0
TPM3	NM_152263.3	100.0
TPM4	NM_003290.2	98.9
TPMT	NM_000367.2	100.0
TPO	NM_000547.5	100.0
TPP1	NM_000391.3	100.0
TPP2	NM_003291.2	100.0
TPPP	NM_007030.2	100.0
TPPP2	NM_173846.4	100.0
TPPP3	NM_015964.2	100.0
TPR	NM_003292.2	100.0
TPRA1	NM_001136053.2	100.0
TPRG1	NM_198485.3	100.0
TPRG1L	NM_182752.3	99.8
TPRKB	NM_016058.2	100.0
TPRN	NM_001128228.2	88.2
TPRX1	NM_198479.2	100.0
TPSAB1	NM_003294.3	100.0
TPSB2	NM_024164.5	97.3
TPSD1	NM_012217.2	100.0
TPSG1	NM_012467.3	100.0
TPST1	NM_003596.3	100.0
TPST2	NM_003595.3	100.0
TPT1	NM_003295.2	100.0
TPTE	NM_199259.2	100.0

TPTE2	NM_130785.3	100.0
TPX2	NM_012112.4	100.0
TRA2A	NM_013293.3	100.0
TRA2B	NM_004593.2	100.0
TRABD	NM_025204.2	100.0
TRABD2A	NM_001080824.2	100.0
TRABD2B	NM_001194986.1	99.2
TRADD	NM_003789.3	100.0
TRAF1	NM_005658.4	100.0
TRAF2	NM_021138.3	100.0
TRAF3	NM_003300.3	100.0
TRAF3IP1	NM_015650.3	100.0
TRAF3IP2	NM_147686.3	100.0
TRAF3IP3	NM_025228.2	100.0
TRAF4	NM_004295.3	100.0
TRAF5	NM_004619.3	100.0
TRAF6	NM_145803.2	100.0
TRAF7	NM_032271.2	100.0
TRAFD1	NM_006700.2	100.0
TRAIP	NM_005879.2	100.0
TRAK1	NM_014965.4	100.0
TRAK2	NM_015049.2	100.0
TRAM1	NM_014294.5	100.0
TRAM1L1	NM_152402.2	100.0
TRAM2	NM_012288.3	100.0
TRANK1	NM_014831.2	100.0
TRAP1	NM_016292.2	99.3
TRAPPC1	NM_021210.4	100.0
TRAPPC10	NM_003274.4	100.0
TRAPPC11	NM_021942.5	100.0
TRAPPC12	NM_016030.5	100.0
TRAPPC13	NM_024941.3	100.0
TRAPPC2	NM_001011658.3	100.0
TRAPPC2L	NM_016209.3	100.0
TRAPPC3	NM_014408.4	100.0
TRAPPC3L	NM_001139444.2	100.0
TRAPPC4	NM_016146.4	100.0
TRAPPC5	NM_174894.2	100.0
TRAPPC6A	NM_024108.2	100.0
TRAPPC6B	NM_177452.3	100.0

TRAPPC8	NM_014939.3	100.0
TRAPPC9	NM_031466.5	100.0
TRAT1	NM_016388.2	100.0
TRDMT1	NM_004412.5	100.0
TRDN	NM_006073.3	100.0
TREH	NM_007180.2	100.0
TREM1	NM_018643.3	100.0
TREM2	NM_018965.3	100.0
TREML1	NM_178174.3	100.0
TREML2	NM_024807.2	100.0
TREML4	NM_198153.2	100.0
TRERF1	NM_033502.2	100.0
TREX1	NM_033629.3	100.0
TREX2	NM_080701.3	100.0
TRH	NM_007117.4	100.0
TRHDE	NM_013381.2	100.0
TRHR	NM_003301.5	100.0
TRIAP1	NM_016399.2	100.0
TRIB1	NM_025195.2	98.9
TRIB2	NM_021643.3	100.0
TRIB3	NM_021158.3	100.0
TRIL	NM_014817.3	100.0
TRIM10	NM_006778.3	100.0
TRIM11	NM_145214.2	99.9
TRIM13	NM_005798.3	100.0
TRIM14	NM_014788.2	99.9
TRIM15	NM_033229.2	100.0
TRIM16	NM_006470.3	100.0
TRIM16L	NM_001037330.1	100.0
TRIM17	NM_016102.3	100.0
TRIM2	NM_001130067.1	100.0
TRIM21	NM_003141.3	100.0
TRIM22	NM_006074.4	100.0
TRIM23	NM_001656.3	100.0
TRIM24	NM_003852.3	99.9
TRIM25	NM_005082.4	100.0
TRIM26	NM_003449.4	100.0
TRIM27	NM_006510.4	100.0
TRIM28	NM_005762.2	96.7
TRIM29	NM_012101.3	100.0

TRIM3	NM_006458.3	100.0
TRIM31	NM_007028.3	100.0
TRIM32	NM_012210.3	100.0
TRIM33	NM_015906.3	98.1
TRIM34	NM_021616.5	100.0
TRIM35	NM_171982.3	100.0
TRIM36	NM_018700.3	100.0
TRIM37	NM_015294.3	100.0
TRIM38	NM_006355.3	100.0
TRIM39	NM_021253.3	100.0
TRIM39-RPP21	NM_001199119.1	100.0
TRIM4	NM_033017.3	100.0
TRIM40	NM_138700.3	100.0
TRIM41	NM_033549.4	100.0
TRIM42	NM_152616.4	100.0
TRIM43	NM_138800.1	100.0
TRIM43B	NM_001164464.1	100.0
TRIM44	NM_017583.4	100.0
TRIM45	NM_025188.3	100.0
TRIM46	NM_025058.4	100.0
TRIM47	NM_033452.2	99.6
TRIM48	NM_024114.3	98.5
TRIM49	NM_020358.2	100.0
TRIM49B	NM_001206626.1	100.0
TRIM49C	NM_001195234.1	99.9
TRIM5	NM_033034.2	100.0
TRIM50	NM_178125.3	100.0
TRIM51	NM_032681.3	90.2
TRIM52	NM_032765.2	100.0
TRIM54	NM_032546.3	100.0
TRIM55	NM_033058.2	100.0
TRIM56	NM_030961.1	100.0
TRIM58	NM_015431.3	97.5
TRIM59	NM_173084.2	100.0
TRIM6	NM_058166.4	100.0
TRIM60	NM_152620.2	100.0
TRIM61	NM_001012414.2	83.3
TRIM62	NM_018207.2	100.0
TRIM63	NM_032588.3	100.0
TRIM64	NM_001136486.1	93.3

TRIM64B	NM_001164397.1	100.0
TRIM64C	NM_001206631.1	100.0
TRIM65	NM_173547.3	99.7
TRIM66	NM_014818.1	100.0
TRIM67	NM_001004342.3	100.0
TRIM68	NM_018073.6	100.0
TRIM69	NM_080745.3	100.0
TRIM6-TRIM34	NM_001003819.3	100.0
TRIM7	NM_033342.3	95.1
TRIM71	NM_001039111.1	98.2
TRIM72	NM_001008274.3	99.9
TRIM73	NM_198924.3	99.8
TRIM74	NM_198853.1	100.0
TRIM77	NM_001146162.1	100.0
TRIM8	NM_030912.2	100.0
TRIM9	NM_015163.5	100.0
TRIML1	NM_178556.3	100.0
TRIML2	NM_173553.1	100.0
TRIO	NM_007118.2	98.8
TRIOBP	NM_001039141.2	100.0
TRIP10	NM_004240.2	100.0
TRIP11	NM_004239.3	100.0
TRIP12	NM_004238.1	100.0
TRIP13	NM_004237.3	100.0
TRIP4	NM_016213.4	100.0
TRIP6	NM_003302.2	100.0
TRIQK	NM_001171795.1	100.0
TRIT1	NM_017646.4	100.0
TRMT10A	NM_152292.4	100.0
TRMT10B	NM_144964.2	100.0
TRMT10C	NM_017819.3	100.0
TRMT11	NM_001031712.2	100.0
TRMT112	NM_016404.1	100.0
TRMT12	NM_017956.3	100.0
TRMT13	NM_019083.2	100.0
TRMT1L	NM_030934.4	100.0
TRMT2A	NM_022727.5	100.0
TRMT2B	NM_024917.5	100.0
TRMT44	NM_152544.2	100.0
TRMT5	NM_020810.2	100.0

TRMT6	NM_015939.4	100.0
TRMT61A	NM_152307.2	100.0
TRMT61B	NM_017910.3	100.0
TRMU	NM_018006.4	100.0
TRNAU1AP	NM_017846.4	100.0
TRNP1	NM_001013642.2	79.0
TRNT1	NM_182916.2	100.0
TRO	NM_016157.3	100.0
TROAP	NM_005480.3	100.0
TROVE2	NM_001042369.2	100.0
TRPA1	NM_007332.2	100.0
TRPC1	NM_003304.4	100.0
TRPC3	NM_001130698.1	99.7
TRPC4	NM_016179.2	100.0
TRPC4AP	NM_015638.2	100.0
TRPC5	NM_012471.2	100.0
TRPC5OS	NM_001195576.1	100.0
TRPC6	NM_004621.5	100.0
TRPC7	NM_020389.2	100.0
TRPM1	NM_002420.5	100.0
TRPM2	NM_003307.3	100.0
TRPM3	NM_020952.4	100.0
TRPM4	NM_017636.3	100.0
TRPM5	NM_014555.3	100.0
TRPM6	NM_017662.4	100.0
TRPM7	NM_017672.4	100.0
TRPM8	NM_024080.4	100.0
TRPS1	NM_014112.2	100.0
TRPT1	NM_031472.3	100.0
TRPV1	NM_080706.3	100.0
TRPV2	NM_016113.4	100.0
TRPV3	NM_145068.3	100.0
TRPV4	NM_021625.4	100.0
TRPV5	NM_019841.4	100.0
TRPV6	NM_018646.4	100.0
TRRAP	NM_003496.3	100.0
TRUB1	NM_139169.4	100.0
TRUB2	NM_015679.1	100.0
TSACC	NM_144627.3	100.0
TSC1	NM_000368.4	100.0

TSC2	NM_000548.3	100.0
TSC22D1	NM_006022.3	100.0
TSC22D2	NM_014779.2	100.0
TSC22D3	NM_004089.3	100.0
TSC22D4	NM_030935.3	100.0
TSEN15	NM_052965.2	100.0
TSEN2	NM_025265.3	100.0
TSEN34	NM_024075.3	100.0
TSEN54	NM_207346.2	97.7
TSFM	NM_001172696.1	94.0
TSG101	NM_006292.3	100.0
TSGA10	NM_025244.2	100.0
TSGA10IP	NM_152762.2	100.0
TSGA13	NM_052933.2	100.0
TSHB	NM_000549.4	100.0
TSHR	NM_000369.2	100.0
TSHZ1	NM_005786.5	100.0
TSHZ2	NM_173485.5	100.0
TSHZ3	NM_020856.2	100.0
TSKS	NM_021733.1	100.0
TSKU	NM_015516.3	100.0
TSLP	NM_033035.4	100.0
TSN	NM_004622.2	100.0
TSNARE1	NM_145003.3	100.0
TSNAX	NM_005999.2	100.0
TSNAXIP1	NM_018430.2	100.0
TSPAN1	NM_005727.3	100.0
TSPAN10	NM_031945.3	94.4
TSPAN11	NM_001080509.2	100.0
TSPAN12	NM_012338.3	100.0
TSPAN13	NM_014399.3	100.0
TSPAN14	NM_030927.2	100.0
TSPAN15	NM_012339.3	100.0
TSPAN16	NM_012466.2	93.1
TSPAN17	NM_012171.2	100.0
TSPAN18	NM_130783.4	100.0
TSPAN19	NM_001100917.1	100.0
TSPAN2	NM_005725.4	100.0
TSPAN3	NM_005724.5	100.0
TSPAN31	NM_005981.3	100.0

TSPAN32	NM_139022.2	100.0
TSPAN33	NM_178562.3	100.0
TSPAN4	NM_003271.4	100.0
TSPAN5	NM_005723.3	100.0
TSPAN6	NM_003270.3	100.0
TSPAN7	NM_004615.3	100.0
TSPAN8	NM_004616.2	100.0
TSPAN9	NM_006675.4	100.0
TSPEAR	NM_144991.2	100.0
TSPO	NM_000714.5	100.0
TSPO2	NM_001010873.2	100.0
TSPYL1	NM_003309.3	100.0
TSPYL2	NM_022117.3	100.0
TSPYL4	NM_021648.4	100.0
TSPYL5	NM_033512.2	100.0
TSPYL6	NM_001003937.2	100.0
TSR1	NM_018128.4	100.0
TSR2	NM_058163.1	100.0
TSR3	NM_001001410.2	98.6
TSSC1	NM_003310.2	100.0
TSSC4	NM_005706.2	100.0
TSSK1B	NM_032028.3	100.0
TSSK2	NM_053006.4	100.0
TSSK3	NM_052841.3	100.0
TSSK4	NM_174944.3	100.0
TSSK6	NM_032037.3	100.0
TST	NM_003312.5	100.0
TSTA3	NM_003313.3	100.0
TSTD1	NM_001113205.1	100.0
TSTD2	NM_139246.4	100.0
TSTD3	NM_001195131.1	100.0
TTBK1	NM_032538.1	100.0
TTBK2	NM_173500.3	100.0
TTC1	NM_003314.1	100.0
TTC12	NM_017868.3	100.0
TTC13	NM_024525.4	99.7
TTC14	NM_133462.3	100.0
TTC16	NM_144965.1	100.0
TTC17	NM_018259.5	100.0
TTC18	NM_145170.3	100.0

TTC19	NM_017775.3	95.8
TTC21A	NM_145755.2	100.0
TTC21B	NM_024753.4	100.0
TTC22	NM_017904.3	91.1
TTC23	NM_022905.4	100.0
TTC23L	NM_144725.3	100.0
TTC24	NM_001105669.2	100.0
TTC25	NM_031421.2	100.0
TTC26	NM_024926.2	100.0
TTC27	NM_017735.4	100.0
TTC28	NM_001145418.1	99.9
TTC29	NM_031956.2	100.0
TTC3	NM_003316.3	100.0
TTC30A	NM_152275.3	100.0
TTC30B	NM_152517.2	100.0
TTC31	NM_022492.4	100.0
TTC32	NM_001008237.1	100.0
TTC33	NM_012382.2	100.0
TTC34	NM_001242672.1	100.0
TTC36	NM_001080441.1	100.0
TTC37	NM_014639.3	100.0
TTC38	NM_017931.2	100.0
TTC39A	NM_001080494.2	100.0
TTC39B	NM_152574.2	100.0
TTC39C	NM_153211.3	100.0
TTC4	NM_004623.4	100.0
TTC40	NM_001200049.2	100.0
TTC5	NM_138376.2	100.0
TTC7A	NM_020458.2	100.0
TTC7B	NM_001010854.1	100.0
TTC8	NM_198309.2	100.0
TTC9	NM_015351.1	86.6
TTC9B	NM_152479.5	99.9
TTC9C	NM_173810.3	100.0
TTF1	NM_007344.3	100.0
TTF2	NM_003594.3	100.0
TTI1	NM_014657.1	100.0
TTI2	NM_001102401.2	100.0
TTK	NM_001166691.1	100.0
TTL	NM_153712.4	100.0

TTLL1	NM_012263.4	100.0
TTLL10	NM_153254.2	100.0
TTLL12	NM_015140.3	98.9
TTLL13	NM_001029964.2	100.0
TTLL2	NM_031949.4	100.0
TTLL3	NM_001025930.3	99.7
TTLL4	NM_014640.4	100.0
TTLL5	NM_015072.4	100.0
TTLL6	NM_173623.3	100.0
TTLL7	NM_024686.4	100.0
TTLL8	XM_003403494.3	92.1
TTLL9	NM_001008409.2	100.0
TTN	NM_133378.4	100.0
TTPA	NM_000370.3	99.0
TTPAL	NM_024331.4	100.0
TTR	NM_000371.3	100.0
TTYH1	NM_020659.3	100.0
TTYH2	NM_032646.5	100.0
TTYH3	NM_025250.2	100.0
TUB	NM_003320.4	100.0
TUBA1A	NM_006009.3	100.0
TUBA1B	NM_006082.2	100.0
TUBA1C	NM_032704.3	100.0
TUBA3C	NM_006001.2	100.0
TUBA3D	NM_080386.3	100.0
TUBA3E	NM_207312.2	100.0
TUBA4A	NM_006000.2	100.0
TUBA8	NM_018943.2	100.0
TUBAL3	NM_024803.2	100.0
TUBB	NM_178014.2	100.0
TUBB1	NM_030773.3	100.0
TUBB2A	NM_001069.2	100.0
TUBB2B	NM_178012.4	100.0
TUBB3	NM_006086.3	100.0
TUBB4A	NM_006087.2	100.0
TUBB4B	NM_006088.5	100.0
TUBB6	NM_032525.1	100.0
TUBB8	NM_177987.2	100.0
TUBD1	NM_016261.3	100.0
TUBE1	NM_016262.4	100.0

TUBG1	NM_001070.4	100.0
TUBG2	NM_016437.2	100.0
TUBGCP2	NM_006659.3	99.9
TUBGCP3	NM_006322.4	100.0
TUBGCP4	NM_014444.2	100.0
TUBGCP5	NM_052903.4	100.0
TUBGCP6	NM_020461.3	100.0
TUFM	NM_003321.4	100.0
TUFT1	NM_020127.2	100.0
TULP1	NM_003322.3	100.0
TULP2	NM_003323.2	100.0
TULP4	NM_020245.4	100.0
TUSC1	NM_001004125.2	95.7
TUSC2	NM_007275.1	100.0
TUSC3	NM_006765.3	100.0
TUSC5	NM_172367.2	100.0
TUT1	NM_022830.2	100.0
TVP23A	NM_001079512.2	100.0
TVP23B	NM_016078.4	100.0
TVP23C	NM_145301.2	100.0
TVP23C-CDRT4	NM_001204478.1	100.0
TWF1	NM_002822.4	100.0
TWF2	NM_007284.3	100.0
TWIST1	NM_000474.3	76.6
TWIST2	NM_057179.2	100.0
TWISTNB	NM_001002926.1	100.0
TWSG1	NM_020648.5	100.0
TXK	NM_003328.2	100.0
TXLNA	NM_175852.3	100.0
TXLNB	NM_153235.3	100.0
TXLNG	NM_018360.2	100.0
TXN	NM_003329.3	100.0
TXN2	NM_012473.3	100.0
TXNDC11	NM_015914.5	99.5
TXNDC12	NM_015913.3	100.0
TXNDC15	NM_024715.3	100.0
TXNDC16	NM_020784.2	100.0
TXNDC17	NM_032731.3	100.0
TXNDC2	NM_032243.5	100.0
TXNDC5	NM_030810.3	92.3

TXNDC8	NM_001003936.2	100.0
TXNDC9	NM_005783.3	100.0
TXNIP	NM_006472.4	100.0
TXNL1	NM_004786.2	100.0
TXNL4A	NM_006701.2	100.0
TXNL4B	NM_017853.2	100.0
TXNRD1	NM_003330.3	100.0
TXNRD2	NM_006440.3	100.0
TXNRD3	NM_052883.1	99.6
TXNRD3NB	NM_001039783.1	100.0
TYK2	NM_003331.4	100.0
TYMP	NM_001953.4	99.9
TYMS	NM_001071.2	100.0
TYR	NM_000372.4	100.0
TYRO3	NM_006293.3	99.2
TYROBP	NM_003332.3	100.0
TYRP1	NM_000550.2	100.0
TYSND1	NM_173555.3	99.5
TYW1	NM_018264.3	100.0
TYW1B	NM_001145440.1	100.0
TYW3	NM_138467.2	100.0
TYW5	NM_001039693.2	100.0
U2AF1	NM_006758.2	100.0
U2AF1L4	NM_144987.2	100.0
U2AF2	NM_007279.2	100.0
U2SURP	NM_001080415.1	100.0
UACA	NM_018003.2	100.0
UAP1	NM_003115.4	100.0
UAP1L1	NM_207309.2	94.9
UBA1	NM_003334.3	100.0
UBA2	NM_005499.2	100.0
UBA3	NM_003968.3	100.0
UBA5	NM_024818.3	100.0
UBA52	NM_003333.3	100.0
UBA6	NM_018227.5	100.0
UBA7	NM_003335.2	100.0
UBAC1	NM_016172.2	100.0
UBAC2	NM_001144072.1	100.0
UBALD1	NM_145253.2	100.0
UBALD2	NM_182565.3	99.9

UBAP1	NM_016525.4	100.0
UBAP1L	NM_001163692.1	99.8
UBAP2	NM_018449.2	100.0
UBAP2L	NM_014847.3	100.0
UBASH3A	NM_018961.3	100.0
UBASH3B	NM_032873.4	100.0
UBB	NM_018955.2	100.0
UBC	NM_021009.5	100.0
UBD	NM_006398.3	100.0
UBE2A	NM_003336.2	100.0
UBE2B	NM_003337.2	100.0
UBE2C	NM_007019.2	100.0
UBE2D1	NM_003338.4	100.0
UBE2D2	NM_003339.2	100.0
UBE2D3	NM_003340.6	100.0
UBE2D4	NM_015983.3	100.0
UBE2E1	NM_003341.4	100.0
UBE2E2	NM_152653.3	100.0
UBE2E3	NM_006357.3	100.0
UBE2F	NM_080678.2	100.0
UBE2G1	NM_003342.4	100.0
UBE2G2	NM_003343.5	100.0
UBE2H	NM_003344.3	100.0
UBE2I	NM_003345.4	100.0
UBE2J1	NM_016021.2	100.0
UBE2J2	NM_058167.2	100.0
UBE2K	NM_005339.4	100.0
UBE2L3	NM_003347.3	100.0
UBE2L6	NM_004223.4	100.0
UBE2M	NM_003969.3	100.0
UBE2N	NM_003348.3	100.0
UBE2NL	NM_001012989.1	100.0
UBE2O	NM_022066.3	99.9
UBE2Q1	NM_017582.6	95.6
UBE2Q2	NM_173469.2	100.0
UBE2QL1	NM_001145161.2	100.0
UBE2R2	NM_017811.3	100.0
UBE2S	NM_014501.2	100.0
UBE2T	NM_014176.3	100.0
UBE2U	NM_152489.1	100.0

UBE2V1	NM_021988.5	100.0
UBE2V2	NM_003350.2	100.0
UBE2W	NM_018299.4	100.0
UBE2Z	NM_023079.4	98.1
UBE3A	NM_130838.1	100.0
UBE3B	NM_130466.3	100.0
UBE3C	NM_014671.2	100.0
UBE3D	NM_198920.1	100.0
UBE4A	NM_004788.3	100.0
UBE4B	NM_006048.4	100.0
UBFD1	NM_019116.2	99.9
UBIAD1	NM_013319.2	100.0
UBL3	NM_007106.3	100.0
UBL4A	NM_014235.3	98.9
UBL4B	NM_203412.1	100.0
UBL5	NM_024292.3	100.0
UBL7	NM_032907.3	100.0
UBLCP1	NM_145049.3	100.0
UBN1	NM_016936.3	100.0
UBN2	NM_173569.3	97.0
UBOX5	NM_014948.3	100.0
UBP1	NM_014517.4	100.0
UBQLN1	NM_013438.4	100.0
UBQLN2	NM_013444.3	100.0
UBQLN3	NM_017481.2	100.0
UBQLN4	NM_020131.3	100.0
UBQLNL	NM_145053.4	100.0
UBR1	NM_174916.2	100.0
UBR2	NM_015255.2	100.0
UBR3	NM_172070.3	98.7
UBR4	NM_020765.2	100.0
UBR5	NM_015902.5	100.0
UBR7	NM_175748.3	100.0
UBTD1	NM_024954.3	100.0
UBTD2	NM_152277.2	100.0
UBTF	NM_014233.3	100.0
UBTFL1	NM_001143975.1	98.6
UBXN1	NM_015853.3	100.0
UBXN10	NM_152376.3	100.0
UBXN11	NM_145345.2	100.0

UBXN2A	NM_181713.3	100.0
UBXN2B	NM_001077619.1	100.0
UBXN4	NM_014607.3	100.0
UBXN6	NM_025241.2	100.0
UBXN7	NM_015562.1	100.0
UBXN8	NM_005671.2	100.0
UCHL1	NM_004181.4	100.0
UCHL3	NM_006002.4	100.0
UCHL5	NM_015984.3	100.0
UCK1	NM_031432.2	100.0
UCK2	NM_012474.4	100.0
UCKL1	NM_017859.3	100.0
UCMA	NM_145314.1	100.0
UCN	NM_003353.2	99.9
UCN2	NM_033199.3	100.0
UCN3	NM_053049.2	100.0
UCP1	NM_021833.4	100.0
UCP2	NM_003355.2	100.0
UCP3	NM_003356.3	100.0
UEVLD	NM_018314.4	100.0
UFC1	NM_016406.3	100.0
UFD1L (UFD1)	NM_005659.6	100.0
UFL1	NM_015323.4	100.0
UFM1	NM_016617.2	100.0
UFSP1	NM_001015072.3	100.0
UFSP2	NM_018359.3	100.0
UGCG	NM_003358.1	100.0
UGDH	NM_003359.3	100.0
UGGT1	NM_020120.3	100.0
UGGT2	NM_020121.3	100.0
UGP2	NM_006759.3	100.0
UGT1A1	NM_000463.2	100.0
UGT1A10	NM_019075.2	100.0
UGT1A3	NM_019093.2	100.0
UGT1A4	NM_007120.2	100.0
UGT1A5	NM_019078.1	100.0
UGT1A6	NM_001072.3	100.0
UGT1A7	NM_019077.2	100.0
UGT1A8	NM_019076.4	100.0
UGT1A9	NM_021027.2	100.0

UGT2A1	NM_006798.3	100.0
UGT2A2	NM_001105677.2	100.0
UGT2A3	NM_024743.3	100.0
UGT2B10	NM_001075.4	100.0
UGT2B11	NM_001073.1	100.0
UGT2B15	NM_001076.3	100.0
UGT2B17	NM_001077.3	86.3
UGT2B28	NM_053039.1	97.3
UGT2B4	NM_021139.2	100.0
UGT2B7	NM_001074.2	100.0
UGT3A1	NM_152404.3	100.0
UGT3A2	NM_174914.3	100.0
UGT8	NM_001128174.1	100.0
UHK1	NM_144624.2	100.0
UHRF1	NM_013282.3	100.0
UHRF1BP1	NM_017754.3	100.0
UHRF1BP1L	NM_015054.1	100.0
UHRF2	NM_152896.2	100.0
UIMC1	NM_016290.4	100.0
ULBP1	NM_025218.2	100.0
ULBP2	NM_025217.2	100.0
ULBP3	NM_024518.1	100.0
ULK1	NM_003565.2	100.0
ULK2	NM_014683.3	100.0
ULK3	NM_001099436.1	100.0
ULK4	NM_017886.2	100.0
UMOD	NM_003361.3	100.0
UMODL1	NM_173568.3	100.0
UMPS	NM_000373.3	100.0
UNC119	NM_005148.3	100.0
UNC119B	NM_001080533.2	99.9
UNC13A	NM_001080421.2	100.0
UNC13B	NM_006377.3	100.0
UNC13C	NM_001080534.1	100.0
UNC13D	NM_199242.2	100.0
UNC45A	NM_018671.3	100.0
UNC45B	NM_173167.2	100.0
UNC50	NM_014044.5	100.0
UNC5A	NM_133369.2	99.9
UNC5B	NM_170744.4	100.0

UNC5C	NM_003728.3	100.0
UNC5CL	NM_173561.2	100.0
UNC5D	NM_080872.2	100.0
UNC79	NM_020818.3	100.0
UNC80	NM_032504.1	100.0
UNC93A	NM_018974.3	100.0
UNC93B1	NM_030930.2	100.0
UNCX	NM_001080461.1	80.3
UNG	NM_080911.2	100.0
UNK	NM_001080419.2	100.0
UNKL	NM_001193388.3	100.0
UPB1	NM_016327.2	100.0
UPF1	NM_002911.3	98.5
UPF2	NM_080599.2	100.0
UPF3A	NM_023011.3	100.0
UPF3B	NM_080632.2	100.0
UPK1A	NM_007000.3	100.0
UPK1B	NM_006952.3	100.0
UPK2	NM_006760.3	100.0
UPK3A	NM_006953.3	100.0
UPK3B	NM_030570.2	100.0
UPK3BL	NM_001114403.2	100.0
UPP1	NM_003364.2	100.0
UPP2	NM_173355.3	100.0
UPRT	NM_145052.3	100.0
UQCC	NM_018244.4	100.0
UQCR10	NM_013387.3	100.0
UQCR11	NM_006830.3	100.0
UQCRB	NM_006294.4	100.0
UQCRC1	NM_003365.2	100.0
UQCRC2	NM_003366.2	100.0
UQCRFS1	NM_006003.2	99.5
UQCRH	NM_006004.2	100.0
UQCRHL	NM_001089591.1	100.0
UQCRQ	NM_014402.4	100.0
URAD	NM_001105577.1	95.8
URB1	NM_014825.2	100.0
URB2	NM_014777.2	100.0
URGCP	NM_017920.3	100.0
URGCP-MRPS24	NM_001204871.1	100.0

URI1	NM_003796.3	100.0
URM1	NM_030914.3	100.0
UROC1	NM_144639.2	100.0
UROD	NM_000374.4	100.0
UROS	NM_000375.2	100.0
USB1	NM_024598.3	100.0
USE1	NM_018467.3	100.0
USF1	NM_007122.4	100.0
USF2	NM_003367.2	100.0
USH1C	NM_005709.3	100.0
USH1G	NM_173477.2	100.0
USH2A	NM_206933.2	100.0
USHBP1	NM_031941.3	100.0
USMG5	NM_032747.3	100.0
USO1	NM_003715.2	99.0
USP1	NM_003368.4	100.0
USP10	NM_005153.2	100.0
USP11	NM_004651.3	100.0
USP12	NM_182488.3	100.0
USP13	NM_003940.2	100.0
USP14	NM_005151.3	100.0
USP15	NM_001252078.1	100.0
USP16	NM_006447.2	100.0
USP18	NM_017414.3	100.0
USP19	NM_006677.2	100.0
USP2	NM_004205.4	100.0
USP20	NM_006676.7	100.0
USP21	NM_012475.4	100.0
USP22	NM_015276.1	100.0
USP24	NM_015306.2	99.9
USP25	NM_013396.3	100.0
USP26	NM_031907.1	100.0
USP27X	NM_001145073.1	100.0
USP28	NM_020886.2	99.8
USP29	NM_020903.2	100.0
USP3	NM_006537.3	100.0
USP30	NM_032663.3	100.0
USP31	NM_020718.3	98.1
USP32	NM_032582.3	100.0
USP33	NM_015017.4	98.5

USP34	NM_014709.3	100.0
USP35	NM_020798.2	97.1
USP36	NM_025090.3	100.0
USP37	NM_020935.2	100.0
USP38	NM_032557.5	100.0
USP39	NM_006590.3	100.0
USP4	NM_003363.3	100.0
USP40	NM_018218.2	100.0
USP41	XM_036729.11	83.9
USP42	NM_032172.2	100.0
USP43	NM_153210.4	98.7
USP44	NM_032147.3	100.0
USP45	NM_001080481.1	100.0
USP46	NM_022832.3	100.0
USP47	NM_017944.3	100.0
USP48	NM_032236.5	100.0
USP49	NM_018561.3	100.0
USP5	NM_003481.2	100.0
USP50	NM_203494.4	100.0
USP51	NM_201286.3	98.9
USP53	NM_019050.2	100.0
USP54	NM_152586.3	100.0
USP6	NM_004505.2	100.0
USP6NL	NM_001080491.2	100.0
USP8	NM_005154.3	100.0
USP9X	NM_001039590.2	100.0
USP9Y*	NM_004654.3	100.0
USPL1	NM_005800.4	100.0
UST	NM_005715.2	100.0
UTF1	NM_003577.2	87.9
UTP11L	NM_016037.3	100.0
UTP14A	NM_006649.3	100.0
UTP14C	NM_021645.5	100.0
UTP15	NM_032175.2	100.0
UTP18	NM_016001.2	100.0
UTP20	NM_014503.2	100.0
UTP23	NM_032334.2	100.0
UTP3	NM_020368.2	100.0
UTP6	NM_018428.2	100.0
UTRN	NM_007124.2	100.0

UTS2	NM_021995.2	100.0
UTS2B	NM_198152.3	100.0
UTS2R	NM_018949.1	99.0
UTY*	NM_007125.4	100.0
UVRAG	NM_003369.3	100.0
UVSSA	NM_020894.2	100.0
UXS1	NM_025076.4	100.0
UXT	NM_004182.3	100.0
VAC14	NM_018052.3	100.0
VAMP1	NM_014231.3	100.0
VAMP2	NM_014232.2	100.0
VAMP3	NM_004781.3	100.0
VAMP4	NM_003762.4	100.0
VAMP5	NM_006634.2	100.0
VAMP7	NM_005638.5	50.0
VAMP8	NM_003761.4	100.0
VANGL1	NM_138959.2	100.0
VANGL2	NM_020335.2	100.0
VAPA	NM_003574.5	100.0
VAPB	NM_004738.4	100.0
VAR5	NM_006295.2	100.0
VAR52	NM_001167734.1	100.0
VASH1	NM_014909.4	100.0
VASH2	NM_024749.3	100.0
VASN	NM_138440.2	100.0
VASP	NM_003370.3	100.0
VAT1	NM_006373.3	100.0
VAT1L	NM_020927.1	100.0
VAV1	NM_005428.3	100.0
VAV2	NM_003371.3	100.0
VAV3	NM_006113.4	100.0
VAX1	NM_001112704.1	88.9
VAX2	NM_012476.2	98.3
VBP1	NM_003372.5	100.0
VCAM1	NM_001078.3	100.0
VCAN	NM_004385.4	100.0
VCL	NM_014000.2	100.0
VCP	NM_007126.3	100.0
VCPIP1	NM_025054.4	100.0
VCX	NM_013452.2	100.0

VCX2	NM_016378.2	100.0
VCX3A	NM_016379.3	100.0
VCX3B	NM_001001888.3	99.8
VCY*	NM_004679.2	100.0
VCY1B*	NM_181880.1	100.0
VDAC1	NM_003374.2	100.0
VDAC2	NM_003375.3	100.0
VDAC3	NM_005662.6	100.0
VDR	NM_001017535.1	100.0
VEGFA	NM_001025366.2	100.0
VEGFB	NM_003377.4	100.0
VEGFC	NM_005429.3	99.8
VENTX	NM_014468.2	100.0
VEPH1	NM_024621.2	100.0
VEZF1	NM_007146.2	100.0
VEZT	NM_017599.3	100.0
VGf	NM_003378.3	99.8
VGLL1	NM_016267.3	100.0
VGLL2	NM_153453.1	100.0
VGLL3	NM_016206.2	100.0
VGLL4	NM_014667.2	100.0
VHL	NM_000551.3	100.0
VHLL	NM_001004319.2	100.0
VIL1	NM_007127.2	100.0
VILL	NM_015873.3	100.0
VIM	NM_003380.3	100.0
VIMP	NM_203472.1	100.0
VIP	NM_003381.3	100.0
VIPAS39	NM_022067.3	100.0
VIPR1	NM_004624.3	100.0
VIPR2	NM_003382.4	100.0
VIT	NM_053276.3	100.0
VKORC1	NM_024006.4	100.0
VKORC1L1	NM_173517.3	100.0
VLDLR	NM_003383.3	100.0
VMA21	NM_001017980.3	100.0
VMAC	NM_001017921.3	100.0
VMO1	NM_182566.2	100.0
VMP1	NM_030938.3	100.0
VN1R1	NM_020633.3	100.0

VN1R2	NM_173856.2	100.0
VN1R4	NM_173857.2	100.0
VN1R5	NM_173858.1	100.0
VNN1	NM_004666.2	100.0
VNN2	NM_004665.2	100.0
VOPP1	NM_030796.3	100.0
VPRBP	NM_014703.2	100.0
VPREB1	NM_007128.2	100.0
VPREB3	NM_013378.2	100.0
VPS11	NM_021729.4	100.0
VPS13A	NM_033305.2	100.0
VPS13B	NM_017890.4	100.0
VPS13C	NM_020821.2	100.0
VPS13D	NM_015378.2	100.0
VPS16	NM_022575.2	100.0
VPS18	NM_020857.2	100.0
VPS25	NM_032353.3	100.0
VPS26A	NM_004896.3	100.0
VPS26B	NM_052875.3	100.0
VPS28	NM_016208.3	100.0
VPS29	NM_016226.3	100.0
VPS33A	NM_022916.4	100.0
VPS33B	NM_018668.3	100.0
VPS35	NM_018206.4	100.0
VPS36	NM_016075.2	100.0
VPS37A	NM_152415.2	100.0
VPS37B	NM_024667.2	100.0
VPS37C	NM_017966.4	100.0
VPS37D	NM_001077621.1	99.9
VPS39	NM_015289.2	100.0
VPS41	NM_014396.3	100.0
VPS45	NM_007259.4	100.0
VPS4A	NM_013245.2	100.0
VPS4B	NM_004869.3	100.0
VPS51	NM_013265.3	100.0
VPS52	NM_022553.4	100.0
VPS53	NM_001128159.2	100.0
VPS54	NM_016516.2	100.0
VPS72	NM_005997.2	100.0
VPS8	NM_015303.3	100.0

VPS9D1	NM_004913.2	100.0
VRK1	NM_003384.2	100.0
VRK2	NM_006296.6	100.0
VRK3	NM_016440.3	100.0
VRTN	NM_018228.2	100.0
VSIG10	NM_019086.5	100.0
VSIG10L	NM_001163922.1	99.4
VSIG2	NM_014312.3	100.0
VSIG4	NM_007268.2	100.0
VSIG8	NM_001013661.1	99.7
VSNL1	NM_003385.4	100.0
VSTM1	NM_198481.3	100.0
VSTM2A	NM_182546.2	100.0
VSTM2B	NM_001146339.1	99.4
VSTM2L	NM_080607.2	100.0
VSTM4	NM_144984.2	97.0
VSTM5	NM_001144871.1	100.0
VSX1	NM_014588.5	100.0
VSX2 (CHX10)	NM_182894.2	100.0
VTA1	NM_016485.3	100.0
VTCN1	NM_024626.3	100.0
VTI1A	NM_145206.2	100.0
VTI1B	NM_006370.2	100.0
VTN	NM_000638.3	100.0
VWA1	NM_022834.4	90.1
VWA2	NM_001272046.1	100.0
VWA3A	NM_173615.3	100.0
VWA3B	NM_144992.4	100.0
VWA5A	NM_014622.4	100.0
VWA5B1	NM_001039500.2	100.0
VWA5B2	NM_138345.1	99.1
VWA7	NM_025258.2	100.0
VWA8	NM_015058.1	100.0
VWA9	NM_001207058.1	100.0
VWC2	NM_198570.3	100.0
VWC2L	NM_001080500.2	100.0
VWCE	NM_152718.2	100.0
VWDE	NM_001135924.1	100.0
VWF	NM_000552.3	100.0
WAC	NM_016628.4	100.0

WAPAL	NM_015045.2	100.0
WARS	NM_004184.3	100.0
WARS2	NM_015836.3	100.0
WAS	NM_000377.2	99.9
WASF1	NM_003931.2	100.0
WASF2	NM_006990.3	100.0
WASF3	NM_006646.5	100.0
WASL	NM_003941.3	100.0
WBP1	NM_012477.3	100.0
WBP11	NM_016312.2	100.0
WBP1L	NM_017787.4	100.0
WBP2	NM_012478.3	99.9
WBP2NL	NM_152613.2	100.0
WBP4	NM_007187.3	100.0
WBP5	NM_016303.2	100.0
WBSCR16	NM_030798.4	99.9
WBSCR17	NM_022479.2	100.0
WBSCR22	NM_017528.4	100.0
WBSCR27	NM_152559.2	100.0
WBSCR28	NM_182504.3	100.0
WDFY1	NM_020830.3	100.0
WDFY2	NM_052950.3	100.0
WDFY3	NM_014991.4	100.0
WDFY4	NM_020945.1	100.0
WDHD1	NM_007086.3	100.0
WDPCP	NM_015910.5	100.0
WDR1	NM_005112.4	100.0
WDR11	NM_018117.11	100.0
WDR12	NM_018256.3	100.0
WDR16	NM_145054.4	100.0
WDR17	NM_170710.4	100.0
WDR18	NM_024100.3	100.0
WDR19	NM_025132.3	100.0
WDR20	NM_144574.3	100.0
WDR24	NM_032259.2	100.0
WDR25	NM_024515.4	100.0
WDR26	NM_025160.6	100.0
WDR27	NM_182552.4	95.5
WDR3	NM_006784.2	100.0
WDR31	NM_145241.3	100.0

WDR33	NM_018383.4	100.0
WDR34	NM_052844.3	99.9
WDR35	NM_001006657.1	100.0
WDR36	NM_139281.2	100.0
WDR37	NM_014023.3	100.0
WDR38	NM_001045476.2	100.0
WDR4	NM_033661.4	100.0
WDR41	NM_018268.2	100.0
WDR43	NM_015131.1	100.0
WDR44	NM_019045.4	100.0
WDR45	NM_007075.3	100.0
WDR45B	NM_019613.3	100.0
WDR46	NM_005452.5	100.0
WDR47	NM_014969.5	100.0
WDR48	NM_020839.2	100.0
WDR49	NM_178824.3	100.0
WDR5	NM_052821.3	100.0
WDR52	NM_018338.3	100.0
WDR53	NM_182627.1	100.0
WDR54	NM_032118.2	100.0
WDR55	NM_017706.4	100.0
WDR59	NM_030581.3	100.0
WDR5B	NM_019069.3	100.0
WDR6	NM_018031.3	100.0
WDR60	NM_018051.4	100.0
WDR61	NM_025234.1	100.0
WDR62	NM_001083961.1	100.0
WDR63	NM_145172.3	100.0
WDR64	NM_144625.4	100.0
WDR65 (CFAP57)	NM_152498.3	100.0
WDR66	NM_144668.5	100.0
WDR7	NM_015285.2	100.0
WDR70	NM_018034.2	100.0
WDR72	NM_182758.3	100.0
WDR73	NM_032856.2	100.0
WDR74	NM_018093.2	100.0
WDR75	NM_032168.1	100.0
WDR76	NM_024908.3	100.0
WDR77	NM_024102.2	100.0
WDR78	NM_024763.4	100.0

WDR81	NM_001163809.1	100.0
WDR82	NM_025222.3	100.0
WDR83	NM_032332.3	100.0
WDR83OS	NM_016145.3	100.0
WDR86	NM_198285.2	99.9
WDR87	NM_031951.3	100.0
WDR88	NM_173479.3	100.0
WDR89	NM_080666.3	100.0
WDR90	NM_145294.4	100.0
WDR91	NM_014149.3	100.0
WDR92	NM_138458.3	100.0
WDR93	NM_020212.1	100.0
WDR96	NM_025145.5	100.0
WDSUB1	NM_152528.2	100.0
WDTC1	NM_015023.4	100.0
WDYHV1	NM_018024.1	100.0
WEE1	NM_003390.3	97.9
WEE2	NM_001105558.1	100.0
WFDC1	NM_021197.2	92.8
WFDC10A	NM_080753.2	100.0
WFDC10B	NM_172006.2	100.0
WFDC11	NM_147197.2	100.0
WFDC12	NM_080869.1	100.0
WFDC13	NM_172005.1	100.0
WFDC2	NM_006103.3	100.0
WFDC3	NM_080614.1	100.0
WFDC5	NM_145652.3	100.0
WFDC6	NM_080827.1	100.0
WFDC8	NM_130896.2	100.0
WFDC9	NM_147198.3	100.0
WFIKKN1	NM_053284.2	100.0
WFIKKN2	NM_175575.5	100.0
WFS1	NM_006005.3	100.0
WHAMM	NM_001080435.1	96.5
WHSC1	NM_133330.2	100.0
WHSC1L1	NM_017778.2	100.0
WIBG	NM_032345.2	100.0
WIF1	NM_007191.4	100.0
WIPF1	NM_001077269.1	100.0
WIPF2	NM_133264.4	100.0

WIPF3	NM_001080529.2	100.0
WIP11	NM_017983.5	100.0
WIP12	NM_015610.3	100.0
WISP1	NM_003882.3	100.0
WISP2	NM_003881.2	100.0
WISP3	NM_003880.3	100.0
WIZ	NM_021241.2	100.0
WLS	NM_024911.6	100.0
WNK1	NM_018979.3	100.0
WNK2	NM_006648.3	98.1
WNK3	NM_020922.4	100.0
WNK4	NM_032387.4	100.0
WNT1	NM_005430.3	100.0
WNT10A	NM_025216.2	99.3
WNT10B	NM_003394.3	100.0
WNT11	NM_004626.2	100.0
WNT16	NM_057168.1	100.0
WNT2	NM_003391.2	100.0
WNT2B	NM_004185.3	100.0
WNT3	NM_030753.4	100.0
WNT3A	NM_033131.3	100.0
WNT4	NM_030761.4	100.0
WNT5A	NM_003392.4	100.0
WNT5B	NM_032642.2	100.0
WNT6	NM_006522.3	100.0
WNT7A	NM_004625.3	100.0
WNT7B	NM_058238.2	100.0
WNT8A	NM_058244.2	100.0
WNT8B	NM_003393.3	100.0
WNT9A	NM_003395.2	98.3
WNT9B	NM_003396.1	99.2
WRAP53	NM_018081.2	100.0
WRAP73	NM_017818.3	100.0
WRB	NM_004627.4	100.0
WRN	NM_000553.4	100.0
WRNIP1	NM_020135.2	99.4
WSB1	NM_015626.8	100.0
WSB2	NM_018639.4	100.0
WSCD1	NM_015253.1	100.0
WSCD2	NM_014653.2	100.0

WT1	NM_024426.4	97.9
WTAP	NM_004906.4	100.0
WTH3DI	NM_001077637.1	100.0
WTIP	NM_001080436.1	85.7
WWC1	NM_015238.2	100.0
WWC2	NM_024949.5	100.0
WWC3	NM_015691.3	100.0
WWOX	NM_016373.2	100.0
WWP1	NM_007013.3	100.0
WWP2	NM_007014.4	100.0
WWTR1	NM_015472.4	100.0
XAB2	NM_020196.2	100.0
XAF1	NM_017523.3	100.0
XAGE2	NM_130777.1	99.9
XAGE3	NM_130776.1	100.0
XAGE5	NM_130775.2	100.0
XBP1	NM_005080.3	100.0
XCL1	NM_002995.2	100.0
XCL2	NM_003175.3	100.0
XCR1	NM_005283.2	100.0
XDH	NM_000379.3	100.0
XG	NM_175569.2	100.0
XIAP	NM_001167.3	100.0
XIRP1	NM_194293.2	100.0
XIRP2	NM_001199143.1	100.0
XK	NM_021083.2	99.9
XKR3	NM_175878.3	95.0
XKR4	NM_052898.1	97.5
XKR5	NM_207411.4	100.0
XKR6	NM_173683.3	98.5
XKR7	NM_001011718.1	98.0
XKR8	NM_018053.2	99.8
XKR9	NM_001011720.1	100.0
XKRX	NM_212559.2	100.0
XKRY*	NM_004677.2	98.4
XKRY2*	NM_001002906.1	98.4
XPA	NM_000380.3	100.0
XPC	NM_004628.4	100.0
XPNPEP1	NM_001167604.1	100.0
XPNPEP2	NM_003399.5	100.0

XPNPEP3	NM_022098.3	100.0
XPO1	NM_003400.3	100.0
XPO4	NM_022459.4	100.0
XPO5	NM_020750.2	100.0
XPO6	NM_015171.3	100.0
XPO7	NM_015024.4	100.0
XPOT	NM_007235.4	100.0
XPR1	NM_004736.3	100.0
XRCC1	NM_006297.2	100.0
XRCC2	NM_005431.1	100.0
XRCC3	NM_005432.3	100.0
XRCC4	NM_022406.2	100.0
XRCC5	NM_021141.3	100.0
XRCC6	NM_001469.3	100.0
XRCC6BP1	NM_033276.2	100.0
XRN1	NM_019001.3	100.0
XRN2	NM_012255.3	100.0
XRRA1	NM_182969.2	100.0
XXYLT1	NM_152531.4	99.9
XYLB	NM_005108.3	100.0
XYLT1	NM_022166.3	98.2
XYLT2	NM_022167.2	100.0
YAE1D1	NM_020192.3	100.0
YAF2	NM_005748.4	100.0
YAP1	NM_001130145.2	100.0
YARS	NM_003680.3	100.0
YARS2	NM_001040436.2	100.0
YBEY	NM_001006114.1	100.0
YBX1	NM_004559.3	99.9
YBX2	NM_015982.3	99.7
YBX3	NM_003651.4	97.0
YDJC	NM_001017964.1	100.0
YEATS2	NM_018023.4	100.0
YEATS4	NM_006530.2	100.0
YES1	NM_005433.3	100.0
YIF1A	NM_020470.2	100.0
YIF1B	NM_033557.3	100.0
YIPF1	NM_018982.4	100.0
YIPF2	NM_024029.3	100.0
YIPF3	NM_015388.3	100.0

YIPF4	NM_032312.3	100.0
YIPF5	NM_030799.8	100.0
YIPF6	NM_173834.3	100.0
YIPF7	NM_182592.2	100.0
YJEFN3	NM_198537.3	100.0
YKT6	NM_006555.3	100.0
YLPM1	NM_019589.2	100.0
YME1L1	NM_014263.3	100.0
YOD1	NM_018566.3	100.0
YPEL1	NM_013313.3	100.0
YPEL2	NM_001005404.3	100.0
YPEL3	NM_031477.4	100.0
YPEL4	NM_145008.2	100.0
YPEL5	NM_016061.2	100.0
YRDC	NM_024640.3	85.8
YTHDC1	NM_001031732.2	100.0
YTHDC2	NM_022828.3	100.0
YTHDF1	NM_017798.3	100.0
YTHDF2	NM_016258.2	100.0
YTHDF3	NM_152758.5	100.0
YWHAB	NM_003404.4	100.0
YWHAE	NM_006761.4	100.0
YWHAG	NM_012479.3	100.0
YWHAH	NM_003405.3	100.0
YWHAQ	NM_006826.3	100.0
YWHAZ	NM_001135699.1	100.0
YY1	NM_003403.4	100.0
YY1AP1	NM_018253.3	100.0
YY2	NM_206923.3	100.0
ZACN	NM_180990.3	100.0
ZADH2	NM_175907.4	100.0
ZAK	NM_016653.2	100.0
ZAN	NM_003386.1	99.3
ZAP70	NM_001079.3	100.0
ZAR1	NM_175619.2	99.7
ZAR1L	NM_001136571.1	100.0
ZBBX	NM_024687.3	100.0
ZBED1	NM_004729.3	50.0
ZBED2	NM_024508.4	100.0
ZBED3	NM_032367.2	84.2

ZBED4	NM_014838.2	100.0
ZBED5	NM_021211.3	100.0
ZBED6	NM_001174108.1	100.0
ZBED6CL	NM_138434.2	100.0
ZBP1	NM_030776.2	100.0
ZBTB1	NM_014950.2	100.0
ZBTB10	NM_023929.4	100.0
ZBTB11	NM_014415.3	100.0
ZBTB12	NM_181842.2	100.0
ZBTB14	NM_003409.4	100.0
ZBTB16	NM_006006.4	100.0
ZBTB17	NM_003443.2	100.0
ZBTB18	NM_205768.2	100.0
ZBTB2	NM_020861.1	100.0
ZBTB20	NM_001164342.1	100.0
ZBTB21	NM_020727.4	100.0
ZBTB22	NM_005453.4	100.0
ZBTB24	NM_014797.2	100.0
ZBTB25	NM_006977.2	100.0
ZBTB26	NM_020924.2	100.0
ZBTB3	NM_024784.3	100.0
ZBTB32	NM_014383.1	100.0
ZBTB33	NM_001184742.1	100.0
ZBTB34	NM_001099270.1	100.0
ZBTB37	NM_032522.3	100.0
ZBTB38	NM_001080412.2	100.0
ZBTB39	NM_014830.2	100.0
ZBTB4	NM_020899.3	100.0
ZBTB40	NM_001083621.1	100.0
ZBTB41	NM_194314.2	100.0
ZBTB42	NM_001137601.1	100.0
ZBTB43	NM_014007.3	100.0
ZBTB44	NM_014155.4	100.0
ZBTB45	NM_032792.2	99.8
ZBTB46	NM_025224.3	100.0
ZBTB47	NM_145166.3	100.0
ZBTB48	NM_005341.3	100.0
ZBTB49	NM_145291.3	100.0
ZBTB5	NM_014872.2	100.0
ZBTB6	NM_006626.5	100.0

ZBTB7A	NM_015898.2	99.9
ZBTB7B	NM_001252406.2	100.0
ZBTB7C	NM_001039360.2	100.0
ZBTB8A	NM_001040441.1	100.0
ZBTB8B	NM_001145720.1	100.0
ZBTB8OS	NM_178547.2	100.0
ZBTB9	NM_152735.3	100.0
ZC2HC1A	NM_016010.2	100.0
ZC2HC1B	NM_001013623.2	100.0
ZC2HC1C	NM_024643.2	100.0
ZC3H10	NM_032786.1	100.0
ZC3H11A	NM_014827.4	100.0
ZC3H12A	NM_025079.2	100.0
ZC3H12B	NM_001010888.3	100.0
ZC3H12C	NM_033390.1	100.0
ZC3H12D	NM_207360.2	99.8
ZC3H13	NM_015070.3	100.0
ZC3H14	NM_024824.4	100.0
ZC3H15	NM_018471.2	100.0
ZC3H18	NM_144604.3	100.0
ZC3H3	NM_015117.2	100.0
ZC3H4	NM_015168.1	100.0
ZC3H6	NM_198581.2	100.0
ZC3H7A	NM_014153.3	100.0
ZC3H7B	NM_017590.5	100.0
ZC3H8	NM_032494.2	100.0
ZC3HAV1	NM_020119.3	100.0
ZC3HAV1L	NM_080660.3	100.0
ZC3HC1	NM_016478.3	100.0
ZC4H2	NM_018684.3	100.0
ZCCHC10	NM_017665.1	100.0
ZCCHC11	NM_015269.2	100.0
ZCCHC12	NM_173798.2	100.0
ZCCHC13	NM_203303.2	100.0
ZCCHC14	NM_015144.2	99.8
ZCCHC16	NM_001004308.2	100.0
ZCCHC17	NM_016505.2	100.0
ZCCHC18	NM_001143978.1	100.0
ZCCHC2	NM_017742.4	96.3
ZCCHC24	NM_153367.3	100.0

ZCCHC3	NM_033089.6	98.1
ZCCHC4	NM_024936.2	100.0
ZCCHC5	NM_152694.2	100.0
ZCCHC6	NM_024617.3	100.0
ZCCHC7	NM_032226.2	100.0
ZCCHC8	NM_017612.3	100.0
ZCCHC9	NM_032280.2	100.0
ZCRB1	NM_033114.3	100.0
ZCWPW1	NM_017984.4	100.0
ZCWPW2	NM_001040432.1	100.0
ZDBF2	NM_020923.1	100.0
ZDHHC1	NM_013304.2	99.2
ZDHHC11	NM_024786.2	100.0
ZDHHC11B	XM_003118532.5	97.8
ZDHHC12	NM_032799.4	100.0
ZDHHC13	NM_019028.2	100.0
ZDHHC14	NM_024630.2	100.0
ZDHHC15	NM_144969.2	100.0
ZDHHC16	NM_032327.2	100.0
ZDHHC17	NM_015336.2	100.0
ZDHHC18	NM_032283.2	92.0
ZDHHC19	NM_001039617.1	100.0
ZDHHC2	NM_016353.4	100.0
ZDHHC20	NM_153251.3	100.0
ZDHHC21	NM_178566.4	100.0
ZDHHC22	NM_174976.2	100.0
ZDHHC23	NM_173570.3	100.0
ZDHHC24	NM_207340.1	100.0
ZDHHC3	NM_016598.2	100.0
ZDHHC4	NM_018106.3	100.0
ZDHHC5	NM_015457.2	100.0
ZDHHC6	NM_022494.1	100.0
ZDHHC7	NM_017740.2	100.0
ZDHHC8	NM_013373.3	100.0
ZDHHC9	NM_016032.3	100.0
ZEB1	NM_030751.5	100.0
ZEB2	NM_014795.3	100.0
ZER1	NM_006336.3	100.0
ZFAND1	NM_024699.2	100.0
ZFAND2A	NM_182491.2	100.0

ZFAND2B	NM_138802.2	100.0
ZFAND3	NM_021943.2	99.7
ZFAND4	NM_174890.2	100.0
ZFAND5	NM_006007.3	100.0
ZFAND6	NM_019006.3	100.0
ZFAT	NM_020863.3	100.0
ZFC3H1	NM_144982.4	100.0
ZFHX2	NM_033400.2	100.0
ZFHX3	NM_006885.3	99.9
ZFHX4	NM_024721.4	100.0
ZFP1	NM_153688.2	100.0
ZFP112	NM_013380.3	100.0
ZFP14	NM_020917.2	100.0
ZFP2	NM_030613.2	100.0
ZFP28	NM_020828.1	99.8
ZFP3	NM_153018.2	100.0
ZFP30	NM_014898.2	100.0
ZFP36	NM_003407.3	100.0
ZFP36L1	NM_004926.3	100.0
ZFP36L2	NM_006887.4	99.3
ZFP37	NM_003408.1	100.0
ZFP41	NM_173832.4	100.0
ZFP42	NM_174900.3	100.0
ZFP57	NM_001109809.2	100.0
ZFP62	NM_152283.4	100.0
ZFP64	NM_018197.2	100.0
ZFP69	NM_198494.2	100.0
ZFP69B	NM_023070.2	100.0
ZFP82	NM_133466.2	100.0
ZFP90	NM_133458.2	100.0
ZFP91	NM_053023.4	100.0
ZFP92	NM_001136273.1	97.1
ZFPL1	NM_006782.3	100.0
ZFPM1	NM_153813.2	85.8
ZFPM2	NM_012082.3	100.0
ZFR	NM_016107.3	100.0
ZFR2	NM_015174.1	100.0
ZFX	NM_003410.3	100.0
ZFY*	NM_003411.3	99.9
ZFYVE1	NM_021260.2	100.0

ZFYVE16	NM_014733.3	100.0
ZFYVE19	NM_032850.4	100.0
ZFYVE20	NM_022340.2	100.0
ZFYVE21	NM_024071.3	100.0
ZFYVE26	NM_015346.3	100.0
ZFYVE27	NM_001002261.3	100.0
ZFYVE28	NM_020972.2	100.0
ZFYVE9	NM_004799.3	100.0
ZG16	NM_152338.3	100.0
ZG16B	NM_145252.2	100.0
ZGLP1	NM_001103167.1	100.0
ZGPAT	NM_032527.4	100.0
ZHX1	NM_007222.4	100.0
ZHX1-C8ORF76	NM_001204180.1	100.0
ZHX2	NM_014943.3	100.0
ZHX3	NM_015035.3	100.0
ZIC1	NM_003412.3	100.0
ZIC2	NM_007129.3	88.0
ZIC3	NM_003413.3	100.0
ZIC4	NM_032153.5	100.0
ZIC5	NM_033132.3	82.0
ZIK1	NM_001010879.2	100.0
ZIM2	NM_015363.4	100.0
ZIM3	NM_052882.1	100.0
ZKSCAN1	NM_003439.1	100.0
ZKSCAN2	NM_001012981.4	100.0
ZKSCAN3	NM_024493.3	100.0
ZKSCAN4	NM_019110.3	100.0
ZKSCAN5	NM_014569.3	100.0
ZKSCAN7	NM_018651.2	100.0
ZKSCAN8	NM_006298.3	100.0
ZMAT1	NM_001011657.3	93.7
ZMAT2	NM_144723.1	100.0
ZMAT3	NM_022470.3	100.0
ZMAT4	NM_024645.2	100.0
ZMAT5	NM_019103.2	100.0
ZMIZ1	NM_020338.3	100.0
ZMIZ2	NM_031449.3	100.0
ZMPSTE24	NM_005857.4	100.0
ZMYM1	NM_024772.3	100.0

ZMYM2	NM_003453.3	100.0
ZMYM3	NM_201599.2	100.0
ZMYM4	NM_005095.2	100.0
ZMYM5	NM_001142684.1	100.0
ZMYM6	NM_007167.3	100.0
ZMYM6NB	NM_001195156.1	100.0
ZMYND10	NM_015896.2	100.0
ZMYND11	NM_006624.5	100.0
ZMYND12	NM_032257.4	100.0
ZMYND15	NM_001136046.2	100.0
ZMYND19	NM_138462.2	100.0
ZMYND8	NM_012408.3	100.0
ZNF10	NM_015394.4	100.0
ZNF100	NM_173531.3	100.0
ZNF101	NM_033204.2	100.0
ZNF106	NM_022473.1	100.0
ZNF107	NM_016220.3	100.0
ZNF114	NM_153608.1	100.0
ZNF117	NM_015852.3	100.0
ZNF12	NM_006956.2	100.0
ZNF121	NM_001008727.2	100.0
ZNF124	NM_003431.2	100.0
ZNF131	NM_003432.1	100.0
ZNF132	NM_003433.3	100.0
ZNF133	NM_001083330.1	100.0
ZNF134	NM_003435.3	100.0
ZNF135	NM_003436.3	100.0
ZNF136	NM_003437.3	100.0
ZNF138	NM_006524.3	100.0
ZNF14	NM_021030.2	100.0
ZNF140	NM_003440.2	100.0
ZNF141	NM_003441.2	100.0
ZNF142	NM_001105537.2	100.0
ZNF143	NM_003442.5	100.0
ZNF146	NM_007145.2	100.0
ZNF148	NM_021964.2	100.0
ZNF154	NM_001085384.1	100.0
ZNF155	NM_003445.3	100.0
ZNF157	NM_003446.3	100.0
ZNF16	NM_006958.2	100.0

ZNF160	NM_033288.3	100.0
ZNF165	NM_003447.3	100.0
ZNF169	NM_194320.2	100.0
ZNF17	NM_006959.2	100.0
ZNF174	NM_003450.2	100.0
ZNF175	NM_007147.2	100.0
ZNF177	NM_003451.2	100.0
ZNF18	NM_144680.2	100.0
ZNF180	NM_013256.4	100.0
ZNF181	NM_001029997.3	100.0
ZNF182	NM_006962.1	100.0
ZNF184	NM_007149.2	100.0
ZNF185	NM_007150.3	100.0
ZNF189	NM_003452.3	100.0
ZNF19	NM_006961.3	100.0
ZNF195	NM_007152.4	100.0
ZNF197	NM_006991.3	100.0
ZNF2	NM_021088.2	100.0
ZNF20	NM_021143.3	100.0
ZNF200	NM_003454.3	100.0
ZNF202	NM_003455.2	100.0
ZNF205	NM_003456.2	100.0
ZNF207	NM_003457.3	100.0
ZNF208	NM_007153.3	100.0
ZNF211	NM_006385.3	100.0
ZNF212	NM_012256.3	100.0
ZNF213	NM_004220.2	100.0
ZNF214	NM_013249.2	100.0
ZNF215	NM_013250.2	100.0
ZNF217	NM_006526.2	100.0
ZNF219	NM_016423.2	100.0
ZNF22	NM_006963.4	100.0
ZNF221	NM_013359.2	100.0
ZNF222	NM_013360.2	100.0
ZNF223	NM_013361.4	100.0
ZNF224	NM_013398.2	100.0
ZNF225	NM_013362.2	100.0
ZNF226	NM_015919.3	100.0
ZNF227	NM_182490.1	100.0
ZNF229	NM_014518.2	100.0

ZNF23	NM_145911.1	100.0
ZNF230	NM_006300.3	100.0
ZNF232	NM_014519.2	100.0
ZNF233	NM_181756.2	100.0
ZNF234	NM_006630.2	100.0
ZNF235	NM_004234.4	100.0
ZNF236	NM_007345.3	100.0
ZNF239	NM_005674.2	100.0
ZNF24	NM_006965.2	100.0
ZNF248	NM_021045.2	100.0
ZNF25	NM_145011.2	100.0
ZNF250	NM_021061.4	100.0
ZNF251	NM_138367.1	100.0
ZNF253	NM_021047.2	100.0
ZNF254	NM_203282.3	100.0
ZNF256	NM_005773.2	100.0
ZNF257	NM_033468.2	100.0
ZNF259	NM_003904.3	100.0
ZNF26	NM_019591.3	100.0
ZNF260	NM_001012756.2	100.0
ZNF263	NM_005741.4	100.0
ZNF264	NM_003417.4	100.0
ZNF266	NM_006631.3	100.0
ZNF267	NM_003414.5	100.0
ZNF268	NM_003415.2	100.0
ZNF273	NM_021148.2	100.0
ZNF274	NM_016324.3	100.0
ZNF275	NM_001080485.3	100.0
ZNF276	NM_152287.3	100.0
ZNF28	NM_006969.3	100.0
ZNF280A	NM_080740.3	100.0
ZNF280B	NM_080764.2	100.0
ZNF280C	NM_017666.4	100.0
ZNF280D	NM_017661.2	100.0
ZNF281	NM_012482.4	100.0
ZNF282	NM_003575.2	98.2
ZNF283	NM_181845.1	94.0
ZNF284	NM_001037813.2	100.0
ZNF285	NM_152354.3	100.0
ZNF286A	NM_020652.2	100.0

ZNF286B	NM_001145045.1	100.0
ZNF287	NM_020653.2	100.0
ZNF292	NM_015021.1	100.0
ZNF296	NM_145288.1	99.9
ZNF3	NM_017715.3	99.9
ZNF30	NM_194325.2	100.0
ZNF300	NM_052860.2	100.0
ZNF302	NM_018443.2	100.0
ZNF304	NM_020657.2	100.0
ZNF311	NM_001010877.2	100.0
ZNF317	NM_020933.4	100.0
ZNF318	NM_014345.2	99.6
ZNF319	NM_020807.1	100.0
ZNF32	NM_006973.2	100.0
ZNF320	NM_207333.2	100.0
ZNF322	NM_024639.4	100.0
ZNF324	NM_014347.2	100.0
ZNF324B	NM_207395.2	100.0
ZNF326	NM_182975.2	100.0
ZNF329	NM_024620.3	100.0
ZNF330	NM_014487.4	100.0
ZNF331	NM_018555.5	100.0
ZNF333	NM_032433.2	100.0
ZNF334	NM_018102.4	100.0
ZNF335	NM_022095.3	100.0
ZNF337	NM_015655.2	100.0
ZNF33A	NM_006954.1	100.0
ZNF33B	NM_006955.1	100.0
ZNF34	NM_030580.3	100.0
ZNF341	NM_032819.3	100.0
ZNF343	NM_024325.4	100.0
ZNF345	NM_003419.4	100.0
ZNF346	NM_012279.2	100.0
ZNF347	NM_001172674.1	100.0
ZNF35	NM_003420.3	100.0
ZNF350	NM_021632.3	100.0
ZNF354A	NM_005649.2	100.0
ZNF354B	NM_058230.2	100.0
ZNF354C	NM_014594.1	100.0
ZNF358	NM_018083.4	97.0

ZNF362	NM_152493.2	99.8
ZNF365	NM_199452.3	100.0
ZNF366	NM_152625.1	100.0
ZNF367	NM_153695.3	99.6
ZNF37A	NM_003421.2	100.0
ZNF382	NM_032825.4	100.0
ZNF383	NM_152604.1	100.0
ZNF384	NM_133476.4	100.0
ZNF385A	NM_015481.1	100.0
ZNF385B	NM_152520.4	100.0
ZNF385C	NM_001242704.1	100.0
ZNF385D	NM_024697.2	100.0
ZNF391	NM_001076781.1	100.0
ZNF394	NM_032164.2	100.0
ZNF395	NM_018660.2	100.0
ZNF396	NM_145756.2	100.0
ZNF397	NM_032347.2	100.0
ZNF398	NM_020781.3	100.0
ZNF404	NM_001033719.2	100.0
ZNF407	NM_017757.2	100.0
ZNF408	NM_024741.2	100.0
ZNF41	NM_153380.2	100.0
ZNF410	NM_021188.2	100.0
ZNF414	NM_032370.2	100.0
ZNF415	NM_018355.3	100.0
ZNF416	NM_017879.1	100.0
ZNF417	NM_152475.2	100.0
ZNF418	NM_133460.1	100.0
ZNF419	NM_024691.3	100.0
ZNF420	NM_144689.3	100.0
ZNF423	NM_015069.3	100.0
ZNF425	NM_001001661.2	100.0
ZNF426	NM_024106.1	100.0
ZNF428	NM_182498.3	100.0
ZNF429	NM_001001415.2	99.7
ZNF43	NM_003423.3	100.0
ZNF430	NM_025189.3	100.0
ZNF431	NM_133473.2	100.0
ZNF432	NM_014650.2	100.0
ZNF433	NM_001080411.1	100.0

ZNF436	NM_030634.2	100.0
ZNF438	NM_182755.2	100.0
ZNF439	NM_152262.2	100.0
ZNF440	NM_152357.2	100.0
ZNF441	NM_152355.2	100.0
ZNF442	NM_030824.2	100.0
ZNF443	NM_005815.4	100.0
ZNF444	NM_018337.3	100.0
ZNF445	NM_181489.5	100.0
ZNF446	NM_017908.2	100.0
ZNF449	NM_152695.5	100.0
ZNF45	NM_003425.3	100.0
ZNF451	NM_001031623.2	100.0
ZNF454	NM_182594.2	100.0
ZNF460	NM_006635.3	100.0
ZNF461	NM_153257.2	100.0
ZNF462	NM_021224.4	100.0
ZNF467	NM_207336.1	100.0
ZNF468	NM_001008801.1	100.0
ZNF469	NM_001127464.1	99.8
ZNF470	NM_001001668.3	100.0
ZNF471	NM_020813.2	100.0
ZNF473	NM_015428.1	100.0
ZNF474	NM_207317.1	100.0
ZNF479	NM_033273.1	100.0
ZNF48	NM_152652.2	100.0
ZNF480	NM_144684.2	99.9
ZNF483	NM_133464.2	100.0
ZNF484	NM_031486.2	100.0
ZNF485	NM_145312.3	100.0
ZNF486	NM_052852.3	99.9
ZNF488	NM_153034.2	100.0
ZNF490	NM_020714.2	100.0
ZNF491	NM_152356.3	100.0
ZNF492	NM_020855.2	100.0
ZNF493	NM_145326.2	82.0
ZNF496	NM_032752.1	100.0
ZNF497	NM_198458.2	99.8
ZNF500	NM_021646.1	100.0
ZNF501	NM_145044.3	100.0

ZNF502	NM_033210.4	100.0
ZNF503	NM_032772.4	100.0
ZNF506	NM_001099269.2	100.0
ZNF507	NM_014910.4	100.0
ZNF510	NM_014930.1	100.0
ZNF511	NM_145806.2	97.7
ZNF512	NM_032434.3	100.0
ZNF512B	NM_020713.2	100.0
ZNF513	NM_144631.5	100.0
ZNF514	NM_032788.1	100.0
ZNF516	NM_014643.3	99.8
ZNF517	NM_213605.2	100.0
ZNF518A	NM_014803.3	100.0
ZNF518B	NM_053042.2	100.0
ZNF519	NM_145287.3	100.0
ZNF521	NM_015461.2	100.0
ZNF524	NM_153219.2	100.0
ZNF526	NM_133444.1	100.0
ZNF527	NM_032453.1	100.0
ZNF528	NM_032423.2	100.0
ZNF529	NM_020951.4	100.0
ZNF530	NM_020880.3	100.0
ZNF532	NM_018181.4	100.0
ZNF534	NM_001143938.1	100.0
ZNF536	NM_014717.1	100.0
ZNF540	NM_152606.4	100.0
ZNF541	NM_001277075.1	100.0
ZNF543	NM_213598.3	100.0
ZNF544	NM_014480.2	100.0
ZNF546	NM_178544.3	100.0
ZNF547	NM_173631.2	100.0
ZNF548	NM_152909.3	100.0
ZNF549	NM_153263.2	100.0
ZNF550	NM_001277090.1	100.0
ZNF551	NM_138347.4	100.0
ZNF552	NM_024762.3	100.0
ZNF554	NM_001102651.1	98.5
ZNF555	NM_152791.4	100.0
ZNF556	NM_024967.1	100.0
ZNF557	NM_024341.2	100.0

ZNF558	NM_144693.1	100.0
ZNF559	NM_032497.2	100.0
ZNF559-ZNF177	NM_001172650.2	100.0
ZNF560	NM_152476.2	100.0
ZNF561	NM_152289.2	100.0
ZNF562	NM_017656.3	100.0
ZNF563	NM_145276.2	100.0
ZNF564	NM_144976.3	100.0
ZNF565	NM_152477.3	100.0
ZNF566	NM_032838.4	100.0
ZNF567	NM_152603.2	100.0
ZNF568	NM_198539.3	100.0
ZNF569	NM_152484.2	100.0
ZNF57	NM_173480.2	100.0
ZNF570	NM_144694.1	100.0
ZNF571	NM_016536.3	100.0
ZNF572	NM_152412.2	100.0
ZNF573	NM_152360.3	93.4
ZNF574	NM_022752.5	100.0
ZNF575	NM_174945.2	100.0
ZNF576	NM_024327.2	100.0
ZNF577	NM_032679.2	100.0
ZNF578	NM_001099694.1	100.0
ZNF579	NM_152600.2	97.9
ZNF580	NM_016202.2	99.8
ZNF581	NM_016535.3	100.0
ZNF582	NM_144690.1	100.0
ZNF583	NM_152478.2	100.0
ZNF584	NM_173548.1	100.0
ZNF585A	NM_152655.2	100.0
ZNF585B	NM_152279.3	100.0
ZNF586	NM_017652.3	100.0
ZNF587	NM_032828.3	100.0
ZNF587B	NM_001204818.1	92.8
ZNF589	NM_016089.2	100.0
ZNF592	NM_014630.2	100.0
ZNF593	NM_015871.4	100.0
ZNF594	NM_032530.1	100.0
ZNF595	NM_182524.2	99.9
ZNF596	NM_173539.2	100.0

ZNF597	NM_152457.1	100.0
ZNF598	NM_178167.3	98.4
ZNF599	NM_001007248.2	100.0
ZNF600	NM_198457.2	100.0
ZNF605	NM_183238.3	100.0
ZNF606	NM_025027.3	100.0
ZNF607	NM_032689.4	100.0
ZNF608	NM_020747.2	100.0
ZNF609	NM_015042.1	100.0
ZNF610	NM_173530.2	100.0
ZNF611	NM_030972.3	100.0
ZNF613	NM_024840.3	100.0
ZNF614	NM_025040.3	100.0
ZNF615	NM_198480.3	100.0
ZNF616	NM_178523.3	100.0
ZNF618	NM_133374.2	100.0
ZNF619	NM_001145082.2	100.0
ZNF620	NM_175888.3	100.0
ZNF621	NM_198484.3	100.0
ZNF622	NM_033414.2	100.0
ZNF623	NM_014789.3	100.0
ZNF624	NM_020787.3	100.0
ZNF625	NM_145233.3	100.0
ZNF626	NM_145297.3	100.0
ZNF627	NM_145295.3	100.0
ZNF628	NM_033113.2	99.9
ZNF629	NM_001080417.1	100.0
ZNF630	NM_001037735.2	99.4
ZNF638	NM_014497.4	100.0
ZNF639	NM_016331.1	100.0
ZNF641	NM_152320.2	100.0
ZNF644	NM_201269.2	100.0
ZNF645	NM_152577.3	100.0
ZNF646	NM_014699.3	100.0
ZNF648	NM_001009992.1	100.0
ZNF649	NM_023074.3	100.0
ZNF652	NM_014897.2	100.0
ZNF653	NM_138783.3	100.0
ZNF654	NM_018293.2	100.0
ZNF655	NM_024061.3	100.0

ZNF658	NM_033160.5	100.0
ZNF660	NM_173658.2	100.0
ZNF662	NM_207404.3	100.0
ZNF664	NM_152437.2	100.0
ZNF664-FAM101A	NM_001204299.1	100.0
ZNF665	NM_024733.3	100.0
ZNF667	NM_022103.3	100.0
ZNF668	NM_001172668.1	100.0
ZNF669	NM_024804.2	100.0
ZNF670	NM_033213.4	100.0
ZNF671	NM_024833.2	100.0
ZNF672	NM_024836.1	99.6
ZNF674	NM_001039891.2	100.0
ZNF675	NM_138330.2	100.0
ZNF676	NM_001001411.2	100.0
ZNF677	NM_182609.2	100.0
ZNF678	NM_178549.3	94.6
ZNF679	NM_153363.2	100.0
ZNF680	NM_178558.4	100.0
ZNF681	NM_138286.2	100.0
ZNF682	NM_033196.2	100.0
ZNF683	NM_001114759.1	100.0
ZNF684	NM_152373.3	100.0
ZNF687	NM_020832.1	100.0
ZNF688	NM_145271.3	100.0
ZNF689	NM_138447.2	100.0
ZNF69	NM_021915.2	100.0
ZNF691	NM_015911.3	100.0
ZNF692	NM_017865.3	100.0
ZNF695	NM_020394.4	100.0
ZNF696	NM_030895.2	100.0
ZNF697	NM_001080470.1	96.8
ZNF699	NM_198535.1	100.0
ZNF7	NM_003416.2	100.0
ZNF70	NM_021916.2	100.0
ZNF700	NM_144566.2	100.0
ZNF701	NM_018260.2	100.0
ZNF703	NM_025069.1	99.9
ZNF704	NM_001033723.2	100.0
ZNF706	NM_016096.3	100.0

ZNF707	NM_173831.3	100.0
ZNF708	NM_021269.2	100.0
ZNF709	NM_152601.3	100.0
ZNF71	NM_021216.4	100.0
ZNF710	NM_198526.2	100.0
ZNF711	NM_021998.4	100.0
ZNF713	NM_182633.1	100.0
ZNF714	NM_182515.3	100.0
ZNF716	NM_001159279.1	100.0
ZNF717	NM_001128223.1	93.6
ZNF718	NM_001039127.3	97.1
ZNF720	NM_001130913.1	100.0
ZNF721	NM_133474.3	100.0
ZNF726	NM_001244038.1	99.9
ZNF727	NM_001159522.1	100.0
ZNF728	NM_001267716.1	100.0
ZNF729	NM_001242680.1	100.0
ZNF730	NM_001277403.1	100.0
ZNF732	NM_001137608.1	100.0
ZNF735	NM_001159524.1	100.0
ZNF736	NM_001170905.1	100.0
ZNF737	NM_001159293.1	100.0
ZNF74	NM_003426.3	100.0
ZNF740	NM_001004304.3	100.0
ZNF746	NM_152557.4	98.7
ZNF747	NM_023931.2	100.0
ZNF749	NM_001023561.2	100.0
ZNF750	NM_024702.2	100.0
ZNF75A	NM_153028.2	100.0
ZNF75D	NM_007131.3	100.0
ZNF76	NM_003427.3	100.0
ZNF761	NM_001008401.3	100.0
ZNF763	NM_001012753.1	100.0
ZNF765	NM_001040185.1	100.0
ZNF766	NM_001010851.2	100.0
ZNF768	NM_024671.3	100.0
ZNF77	NM_021217.2	100.0
ZNF770	NM_014106.3	100.0
ZNF771	NM_016643.3	92.0
ZNF772	NM_001024596.2	100.0

ZNF773	NM_198542.1	100.0
ZNF774	NM_001004309.2	100.0
ZNF775	NM_173680.3	93.7
ZNF776	NM_173632.3	100.0
ZNF777	NM_015694.2	100.0
ZNF778	NM_182531.3	100.0
ZNF780A	NM_001010880.2	100.0
ZNF780B	NM_001005851.2	100.0
ZNF781	NM_152605.3	100.0
ZNF782	NM_001001662.1	100.0
ZNF783	NM_001195220.1	100.0
ZNF784	NM_203374.1	100.0
ZNF785	NM_152458.6	100.0
ZNF786	NM_152411.3	100.0
ZNF787	NM_001002836.2	94.2
ZNF789	NM_213603.2	100.0
ZNF79	NM_007135.2	100.0
ZNF790	NM_206894.3	100.0
ZNF791	NM_153358.2	100.0
ZNF792	NM_175872.4	100.0
ZNF793	NM_001013659.2	100.0
ZNF799	NM_001080821.2	100.0
ZNF8	NM_021089.2	100.0
ZNF80	NM_007136.3	100.0
ZNF800	NM_176814.3	100.0
ZNF804A	NM_194250.1	100.0
ZNF804B	NM_181646.2	100.0
ZNF805	NM_001023563.3	100.0
ZNF806	XM_001724242.5	100.0
ZNF808	NM_001039886.3	100.0
ZNF81	NM_007137.3	100.0
ZNF812	NM_001199814.1	100.0
ZNF813	NM_001004301.3	100.0
ZNF814	NM_001144989.1	100.0
ZNF816	NM_001031665.2	100.0
ZNF816-ZNF321P	NM_001202473.1	100.0
ZNF821	NM_017530.2	100.0
ZNF823	NM_001080493.2	100.0
ZNF827	NM_178835.3	100.0
ZNF829	NM_001037232.3	100.0

ZNF83	NM_018300.3	99.8
ZNF830	NM_052857.3	100.0
ZNF831	NM_178457.2	100.0
ZNF835	NM_001005850.2	100.0
ZNF836	NM_001102657.1	100.0
ZNF837	NM_138466.1	99.9
ZNF839	NM_018335.4	96.4
ZNF84	NM_003428.4	100.0
ZNF841	NM_001136499.1	100.0
ZNF843	NM_001136509.1	100.0
ZNF844	NM_001136501.1	100.0
ZNF845	NM_138374.1	100.0
ZNF846	NM_001077624.1	100.0
ZNF85	NM_003429.4	100.0
ZNF850	NM_001193552.1	100.0
ZNF852	XM_001717544.3	100.0
ZNF853	NM_017560.1	97.8
ZNF860	NM_001137674.2	100.0
ZNF862	NM_001099220.1	100.0
ZNF865	NM_001195605.1	99.2
ZNF878	NM_001080404.2	100.0
ZNF879	NM_001136116.1	100.0
ZNF880	NM_001145434.1	100.0
ZNF883	NM_001101338.1	100.0
ZNF888	XM_496322.9	100.0
ZNF891	NM_001277291.1	100.0
ZNF90	NM_007138.1	100.0
ZNF91	NM_003430.2	99.4
ZNF92	NM_007139.2	100.0
ZNF93	NM_031218.3	100.0
ZNF98	NM_001098626.1	100.0
ZNF99	NM_001080409.2	100.0
ZNFX1	NM_021035.2	100.0
ZNHIT1	NM_006349.2	100.0
ZNHIT2	NM_014205.2	100.0
ZNHIT3	NM_004773.3	100.0
ZNHIT6	NM_017953.3	100.0
ZNRD1	NM_014596.5	100.0
ZNRF1	NM_032268.4	100.0
ZNRF2	NM_147128.3	84.5

ZNRF3	NM_032173.3	100.0
ZNRF4	NM_181710.3	100.0
ZP1	NM_207341.2	100.0
ZP2	NM_003460.1	100.0
ZP3	NM_007155.5	100.0
ZP4	NM_021186.3	100.0
ZPBP	NM_007009.2	100.0
ZPBP2	NM_199321.2	100.0
ZPLD1	NM_175056.1	100.0
ZRANB1	NM_017580.2	100.0
ZRANB2	NM_005455.4	100.0
ZRANB3	NM_032143.2	100.0
ZRSR2	NM_005089.3	100.0
ZSCAN1	NM_182572.3	100.0
ZSCAN10	NM_032805.1	100.0
ZSCAN12	NM_001163391.1	100.0
ZSCAN16	NM_025231.1	100.0
ZSCAN18	NM_023926.4	100.0
ZSCAN2	NM_017894.5	100.0
ZSCAN20	NM_145238.3	100.0
ZSCAN21	NM_145914.2	100.0
ZSCAN22	NM_181846.2	100.0
ZSCAN23	NM_001012455.1	100.0
ZSCAN25	NM_145115.2	100.0
ZSCAN26	NM_152736.4	100.0
ZSCAN29	NM_152455.3	100.0
ZSCAN30	NM_001112734.2	100.0
ZSCAN31	NM_030899.4	100.0
ZSCAN32	NM_017810.2	100.0
ZSCAN4	NM_152677.2	100.0
ZSCAN5A	NM_024303.1	100.0
ZSCAN5B	NM_001080456.2	100.0
ZSCAN9	NM_006299.4	100.0
ZSWIM1	NM_080603.4	100.0
ZSWIM2	NM_182521.2	100.0
ZSWIM3	NM_080752.3	100.0
ZSWIM4	NM_023072.2	99.0
ZSWIM5	NM_020883.1	97.6
ZSWIM6	NM_020928.1	93.3
ZSWIM7	NM_001042697.1	100.0

ZSWIM8	NM_015037.3	100.0
ZUFSP	NM_145062.2	100.0
ZW10	NM_004724.3	100.0
ZWILCH	NM_017975.3	100.0
ZWINT	NM_007057.3	100.0
ZXDA	NM_007156.4	99.9
ZXDB	NM_007157.3	99.9
ZXDC	NM_025112.4	94.0
ZYG11A	NM_001004339.2	100.0
ZYG11B	NM_024646.2	100.0
ZYX	NM_003461.4	100.0
ZZEF1	NM_015113.3	99.9
ZZZ3	NM_015534.4	100.0

** Coverage based on Male controls.*

*** Average percentage of base pairs covered at 10x read depth by NGS for coding regions and is calculated using control samples. For additional coverage questions contact KDL Client Services.*

**** Variants in MUC1 Exon 2 are not detected by our NGS test, which includes a large Variable Number Tandem Repeat (VNTR), the most common pathogenic variant in MUC1.*

***** Factor 8 Hemophilia A Inversions in intron 22 or intron 1 are not detected by our NGS test.*