Gene stable ID Gene stable ID version Transcript count GENCODE basic annotation Phenotype description Ensembl Protein Family ID(s) Ensembl Family Description Gene name

ENSG00000005206 ENSG00000005206.17 14 SPPL2B

ENSG00000005206 ENSG00000005206.17 14 GENCODE basic PTHR12174\_SF39 SIGNAL PEPTIDE PEPTIDASE 2B PRECURSOR SPP 2B SPPL2B EC\_3.4.23.- SPPL2B

ENSG00000005206 ENSG00000005206.17 14 PTHR12174\_SF39 SIGNAL PEPTIDE PEPTIDASE 2B PRECURSOR SPP 2B SPPL2B EC\_3.4.23.- SPPL2B

ENSG00000006062 ENSG00000006062.17 5 GENCODE basic NIK deficiency PTHR24361\_SF226 MITOGEN ACTIVATED KINASE KINASE KINASE 14 EC\_2.7.11.25 NF KAPPA BETA INDUCING KINASE SERINE/THREONINE KINASE NIK MAP3K14

ENSG00000006062 ENSG00000006062.17 5 NIK deficiency MAP3K14

ENSG00000006062 ENSG00000006062.17 5 NIK deficiency PTHR24361\_SF226 MITOGEN ACTIVATED KINASE KINASE KINASE 14 EC\_2.7.11.25 NF KAPPA BETA INDUCING KINASE SERINE/THREONINE KINASE NIK MAP3K14

ENSG00000012171 ENSG00000012171.19 15 PTHR11036\_SF37 SEMAPHORIN 3B PRECURSOR SEMAPHORIN SEMA SEMA3B

ENSG00000012171 ENSG00000012171.19 15 SEMA3B

ENSG00000012171 ENSG00000012171.19 15 GENCODE basic PTHR11036\_SF37 SEMAPHORIN 3B PRECURSOR SEMAPHORIN SEMA SEMA3B

ENSG00000088970 ENSG00000088970.16 15 GENCODE basic Retinitis pigmentosa PTHR16299 CENTROSOMAL KIZUNA POLO KINASE 1 SUBSTRATE 1 KIZ

ENSG00000088970 ENSG00000088970.16 15 GENCODE basic RETINITIS PIGMENTOSA 69 PTHR16299 CENTROSOMAL KIZUNA POLO KINASE 1 SUBSTRATE 1 KIZ

ENSG00000088970 ENSG00000088970.16 15 Retinitis pigmentosa KIZ

ENSG00000088970 ENSG00000088970.16 15 RETINITIS PIGMENTOSA 69 KIZ

ENSG00000088970 ENSG00000088970.16 15 Retinitis pigmentosa PTHR16299 CENTROSOMAL KIZUNA POLO KINASE 1 SUBSTRATE 1 KIZ

ENSG00000088970 ENSG00000088970.16 15 RETINITIS PIGMENTOSA 69 PTHR16299 CENTROSOMAL KIZUNA POLO KINASE 1 SUBSTRATE 1 KIZ

ENSG00000099725 ENSG00000099725.14 4 PRKY

ENSG00000099725 ENSG00000099725.14 4 GENCODE basic PTHR24353\_SF28 CAMP DEPENDENT KINASE CATALYTIC SUBUNIT PRKY

ENSG00000101898 ENSG00000101898.6 1 GENCODE basic PTHR22798 MALIGNANT T CELL AMPLIFIED SEQUENCE 1 MCT 1 MCTS2P

ENSG00000102055 ENSG00000102055.6 1 GENCODE basic PTHR12398\_SF21 PHOSPHATASE INHIBITOR 2 FAMILY MEMBER C PHOSPHATASE 1 REGULATORY SUBUNIT 2 PSEUDOGENE 9 TYPE 1 PHOSPHATASE INHIBITOR 4 I 4 PPP1R2C

ENSG00000104691 ENSG00000104691.15 10 GENCODE basic PTHR23322\_SF21 UBX DOMAIN CONTAINING 8 REPRODUCTION 8 REP 8 UBX DOMAIN CONTAINING 6 UBXN8

ENSG00000104691 ENSG00000104691.15 10 UBXN8

ENSG00000104691 ENSG00000104691.15 10 PTHR23322\_SF21 UBX DOMAIN CONTAINING 8 REPRODUCTION 8 REP 8 UBX DOMAIN CONTAINING 6 UBXN8

ENSG00000110811 ENSG00000110811.20 11 GENCODE basic PTHR14049\_SF14 PROLYL 3 HYDROXYLASE 3 PRECURSOR EC\_1.14.11.7 LEPRECAN 2 B P3H3

ENSG00000110811 ENSG00000110811.20 11 P3H3

ENSG00000118412 ENSG00000118412.12 6 GENCODE basic PTHR15489 CASP8 ASSOCIATED 2 FLICE ASSOCIATED HUGE CASP8AP2

ENSG00000118412 ENSG00000118412.12 6 CASP8AP2

ENSG00000118412 ENSG00000118412.12 6 PTHR15489 CASP8 ASSOCIATED 2 FLICE ASSOCIATED HUGE CASP8AP2

ENSG00000122432 ENSG00000122432.17 6 SPATA1

ENSG00000122432 ENSG00000122432.17 6 GENCODE basic PTHR14421 SPERMATOGENESIS ASSOCIATED 1 SPATA1

ENSG00000126005 ENSG00000126005.17 12 MMP24OS

ENSG00000126005 ENSG00000126005.17 12 GENCODE basic MMP24OS

ENSG00000135253 ENSG00000135253.13 8 KCP

ENSG00000135253 ENSG00000135253.13 8 GENCODE basic PTHR11339\_SF224 KIELIN/CHORDIN PRECURSOR CYSTEINE RICH BMP REGULATOR 2 CYSTEINE RICH MOTOR NEURON 2 CRIM 2 KIELIN/CHORDIN 1 KCP 1 KCP

ENSG00000135253 ENSG00000135253.13 8 PTHR11339\_SF224 KIELIN/CHORDIN PRECURSOR CYSTEINE RICH BMP REGULATOR 2 CYSTEINE RICH MOTOR NEURON 2 CRIM 2 KIELIN/CHORDIN 1 KCP 1 KCP

ENSG00000142396 ENSG00000142396.10 8 GENCODE basic ERVK3-1

ENSG00000142396 ENSG00000142396.10 8 ERVK3-1

ENSG00000144010 ENSG00000144010.9 2 GENCODE basic PTHR24103\_SF276 TRIPARTITE MOTIF CONTAINING TRIM43B

ENSG00000144596 ENSG00000144596.13 7 GENCODE basic PTHR10316\_SF42 GLUTAMATE RECEPTOR INTERACTING 2 GRIP2

ENSG00000144596 ENSG00000144596.13 7 PTHR10316\_SF42 GLUTAMATE RECEPTOR INTERACTING 2 GRIP2

ENSG00000144596 ENSG00000144596.13 7 GRIP2

ENSG00000146839 ENSG00000146839.18 8 GENCODE basic PTHR11339\_SF221 ZONADHESIN ZAN

ENSG00000146839 ENSG00000146839.18 8 ZAN

ENSG00000146839 ENSG00000146839.18 8 PTHR11339\_SF221 ZONADHESIN ZAN

ENSG00000157152 ENSG00000157152.17 6 GENCODE basic Schizophrenia PTHR10841\_SF18 SYNAPSIN 2 SYNAPSIN II SYN2

ENSG00000157152 ENSG00000157152.17 6 Schizophrenia SYN2

ENSG00000157152 ENSG00000157152.17 6 Schizophrenia PTHR10841\_SF18 SYNAPSIN 2 SYNAPSIN II SYN2

ENSG00000160336 ENSG00000160336.15 4 GENCODE basic PTHR24407\_SF12 ZINC FINGER ZNF761

ENSG00000160336 ENSG00000160336.15 4 GENCODE basic PTHR24384 ZINC FINGER ZNF761

ENSG00000160336 ENSG00000160336.15 4 ZNF761

ENSG00000160963 ENSG00000160963.14 3 GENCODE basic PTHR24023\_SF95 COLLAGEN ALPHA 1 XXVI CHAIN PRECURSOR ALPHA 1 TYPE XXVI COLLAGEN EMI DOMAIN CONTAINING 2 EMILIN AND MULTIMERIN DOMAIN CONTAINING 2 EMU2 COL26A1

ENSG00000160963 ENSG00000160963.14 3 COL26A1

ENSG00000163121 ENSG00000163121.10 4 GENCODE basic PTHR12429\_SF9 E3 UBIQUITIN LIGASE NEURL3 EC\_2.3.2.27 LUNG INDUCIBLE NEURALIZED RELATED C3CH4 RING DOMAIN NEURALIZED 3 RING TYPE E3 UBIQUITIN TRANSFERASE NEURL3 NEURL3

ENSG00000163121 ENSG00000163121.10 4 GENCODE basic NEURL3

ENSG00000163121 ENSG00000163121.10 4 NEURL3

ENSG00000167117 ENSG00000167117.9 6 ANKRD40CL

ENSG00000167117 ENSG00000167117.9 6 GENCODE basic PTHR24192 ANKYRIN REPEAT DOMAIN CONTAINING 40 ANKRD40CL

ENSG00000167355 ENSG00000167355.8 5 OR51B5

ENSG00000167355 ENSG00000167355.8 5 GENCODE basic PTHR26450 OLFACTORY RECEPTOR OLFACTORY RECEPTOR OR11 OR51B5

ENSG00000167355 ENSG00000167355.8 5 PTHR26450 OLFACTORY RECEPTOR OLFACTORY RECEPTOR OR11 OR51B5

ENSG00000167984 ENSG00000167984.18 5 GENCODE basic PTHR24106\_SF16 AMBIGUOUS NLRC3

ENSG00000167984 ENSG00000167984.18 5 PTHR24106\_SF16 AMBIGUOUS NLRC3

ENSG00000167984 ENSG00000167984.18 5 NLRC3

ENSG00000170092 ENSG00000170092.14 3 GENCODE basic PTHR31156 SPEEDY SPDYE5

ENSG00000170152 ENSG00000170152.5 1 GENCODE basic AL391987.1

ENSG00000170468 ENSG00000170468.7 1 GENCODE basic PTHR13096 BIFUNCTIONAL LYSINE SPECIFIC DEMETHYLASE AND HISTIDYL HYDROXYLASE NO66 EC\_1.14.11.- EC\_1.14.11.27 HISTONE LYSINE DEMETHYLASE NO66 RIOX1

ENSG00000170846 ENSG00000170846.17 4 AC093323.1

ENSG00000170846 ENSG00000170846.17 4 PTHR31324 MORF4 FAMILY ASSOCIATED 1 AC093323.1

ENSG00000170846 ENSG00000170846.17 4 GENCODE basic PTHR31324 MORF4 FAMILY ASSOCIATED 1 AC093323.1

ENSG00000171943 ENSG00000171943.11 5 GENCODE basic PTHR14166 SLIT ROBO RHO GTPASE ACTIVATING RHO GTPASE ACTIVATING SRGAP2C

ENSG00000171943 ENSG00000171943.11 5 SRGAP2C

ENSG00000173867 ENSG00000173867.10 2 GENCODE basic PTHR13374 DET1 HOMOLOG DE ETIOLATED 1 HOMOLOG AC013489.1

ENSG00000173867 ENSG00000173867.10 2 AC013489.1

ENSG00000175164 ENSG00000175164.15 5 BLOOD GROUP ABO SYSTEM ABO

ENSG00000175164 ENSG00000175164.15 5 GENCODE basic BLOOD GROUP ABO SYSTEM PTHR10462 N ACETYLLACTOSAMINIDE ALPHA 1 3 GALACTOSYLTRANSFERASE EC\_2.4.1.87 ABO

ENSG00000175513 ENSG00000175513.9 5 GENCODE basic PTHR21501\_SF2 TESTIS SPECIFIC 10 INTERACTING TSGA10 INTERACTING TSGA10IP

ENSG00000175513 ENSG00000175513.9 5 TSGA10IP

ENSG00000175513 ENSG00000175513.9 5 PTHR21501\_SF2 TESTIS SPECIFIC 10 INTERACTING TSGA10 INTERACTING TSGA10IP

ENSG00000175699 ENSG00000175699.14 6 CCDC197

ENSG00000175699 ENSG00000175699.14 6 TF618366 UNCHARACTERIZED CCDC197 COILED COIL DOMAIN CONTAINING 197 CCDC197

ENSG00000175699 ENSG00000175699.14 6 GENCODE basic TF618366 UNCHARACTERIZED CCDC197 COILED COIL DOMAIN CONTAINING 197 CCDC197

ENSG00000175701 ENSG00000175701.10 3 GENCODE basic TF333453 SMALL INTEGRAL MEMBRANE 37 MTLN

ENSG00000177144 ENSG00000177144.7 1 GENCODE basic PTHR12629\_SF6 DIPHOSPHOINOSITOL POLYPHOSPHATE PHOSPHOHYDROLASE 2 DIPP 2 EC\_3.6.1.52 DIADENOSINE 5' 5''' P1 P6 HEXAPHOSPHATE HYDROLASE 2 NUCLEOSIDE DIPHOSPHATE LINKED MOIETY X MOTIF 4 NUDIX MOTIF 4 NUDT4B

ENSG00000177839 ENSG00000177839.6 3 PCDHB9

ENSG00000177839 ENSG00000177839.6 3 GENCODE basic PTHR24028\_SF54 PROTOCADHERIN BETA PRECURSOR PCDH BETA PCDHB9

ENSG00000177839 ENSG00000177839.6 3 PTHR24028\_SF54 PROTOCADHERIN BETA PRECURSOR PCDH BETA PCDHB9

ENSG00000177853 ENSG00000177853.14 10 GENCODE basic PTHR10032\_SF198 ZINC FINGER 518A ZNF518A

ENSG00000177853 ENSG00000177853.14 10 ZNF518A

ENSG00000177853 ENSG00000177853.14 10 PTHR10032\_SF198 ZINC FINGER 518A ZNF518A

ENSG00000178947 ENSG00000178947.9 1 GENCODE basic TF336091 SMALL INTEGRAL MEMBRANE 10 SMIM10L2A

ENSG00000179412 ENSG00000179412.10 1 GENCODE basic PTHR13968\_SF17 HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN C HNRNP C HNRNPCL4

ENSG00000179600 ENSG00000179600.3 2 GENCODE basic PTHR11515\_SF14 GLYCOPROTEIN HORMONE BETA 5 PRECURSOR THYROSTIMULIN SUBUNIT BETA GPHB5

ENSG00000179859 ENSG00000179859.9 3 GENCODE basic PTHR13139\_SF26 RING FINGER 227 RNF227

ENSG00000179859 ENSG00000179859.9 3 GENCODE basic TF636275 UNKNOWN RNF227

ENSG00000180042 ENSG00000180042.5 1 GENCODE basic PTHR26451\_SF196 UNCHARACTERIZED AC087498.1

ENSG00000181404 ENSG00000181404.17 2 GENCODE basic PTHR23331 WASH COMPLEX SUBUNIT 1 WAS FAMILY HOMOLOG 1 WASHC1

ENSG00000181404 ENSG00000181404.17 2 WASHC1

ENSG00000182310 ENSG00000182310.14 14 SPACA6

ENSG00000182310 ENSG00000182310.14 14 GENCODE basic TF336379 SPERM ACROSOME MEMBRANE ASSOCIATED 6 PRECURSOR SPACA6

ENSG00000182612 ENSG00000182612.10 5 TSPAN10

ENSG00000182612 ENSG00000182612.10 5 GENCODE basic PTHR19282\_SF191 TETRASPANIN 10 TSPAN 10 OCULOSPANIN TSPAN10

ENSG00000182612 ENSG00000182612.10 5 PTHR19282\_SF191 TETRASPANIN 10 TSPAN 10 OCULOSPANIN TSPAN10

ENSG00000183185 ENSG00000183185.9 3 GENCODE basic PTHR18945\_SF196 GAMMA AMINOBUTYRIC ACID RECEPTOR SUBUNIT RHO 3 PRECURSOR GABA A RECEPTOR SUBUNIT RHO 3 GABA C RECEPTOR GABRR3

ENSG00000183185 ENSG00000183185.9 3 GABRR3

ENSG00000183378 ENSG00000183378.11 3 GENCODE basic PTHR24251\_SF16 OVOCHYMASE 2 PRECURSOR EC\_3.4.21.120 OVIDUCTAL PROTEASE OVIDUCTIN OVCH2

ENSG00000183378 ENSG00000183378.11 3 OVCH2

ENSG00000185040 ENSG00000185040.13 3 GENCODE basic PTHR31156 SPEEDY SPDYE16

ENSG00000186526 ENSG00000186526.12 12 PTHR24290\_SF45 OMEGA HYDROXYLASE CYTOCHROME P450 CYTOCHROME P450 LTB OMEGA LEUKOTRIENE 20 MONOOXYGENASE CYP4F8

ENSG00000186526 ENSG00000186526.12 12 CYP4F8

ENSG00000186526 ENSG00000186526.12 12 PTHR24290\_SF61 PHYLLOQUINONE OMEGA HYDROXYLASE CY EC\_1.14.14.78 3 HYDROXY FATTY ACIDS OMEGA HYDROXYLASE CY EC\_1.14.14.- CYTOCHROME P450 4F11 CYPIVF11 CYP4F8

ENSG00000186526 ENSG00000186526.12 12 GENCODE basic PTHR24290\_SF52 CYTOCHROME P450 EC\_1.14.14.1 CYP4F8

ENSG00000186526 ENSG00000186526.12 12 PTHR24290\_SF52 CYTOCHROME P450 EC\_1.14.14.1 CYP4F8

ENSG00000186788 ENSG00000186788.13 1 GENCODE basic PTHR21859 SPERMATOGENESIS ASSOCIATED FA SPATA31D3

ENSG00000186886 ENSG00000186886.8 1 GENCODE basic PTHR26452 OLFACTORY RECEPTOR OLFACTORY RECEPTOR OR5D3P

ENSG00000187791 ENSG00000187791.13 3 GENCODE basic PTHR21859 SPERMATOGENESIS ASSOCIATED FA FAM205C

ENSG00000188070 ENSG00000188070.9 4 GENCODE basic Ependymoma TF607796 UNCHARACTERIZED C11orf95

ENSG00000188070 ENSG00000188070.9 4 Ependymoma C11orf95

ENSG00000188070 ENSG00000188070.9 4 Ependymoma TF607796 UNCHARACTERIZED C11orf95

ENSG00000188070 ENSG00000188070.9 4 GENCODE basic Ependymoma C11orf95

ENSG00000188338 ENSG00000188338.15 9 PTHR22950\_SF22 SODIUM COUPLED NEUTRAL AMINO ACID TRANSPORTER 3 N SYSTEM AMINO ACID TRANSPORTER 1 NA + COUPLED NEUTRAL AMINO ACID TRANSPORTER 3 SOLUTE CARRIER FAMILY 38 MEMBER 3 SYSTEM N AMINO ACID TRANSPORTER 1 SLC38A3

ENSG00000188338 ENSG00000188338.15 9 GENCODE basic PTHR22950\_SF22 SODIUM COUPLED NEUTRAL AMINO ACID TRANSPORTER 3 N SYSTEM AMINO ACID TRANSPORTER 1 NA + COUPLED NEUTRAL AMINO ACID TRANSPORTER 3 SOLUTE CARRIER FAMILY 38 MEMBER 3 SYSTEM N AMINO ACID TRANSPORTER 1 SLC38A3

ENSG00000188338 ENSG00000188338.15 9 SLC38A3

ENSG00000188585 ENSG00000188585.9 4 GENCODE basic CLEC20A

ENSG00000188585 ENSG00000188585.9 4 CLEC20A

ENSG00000188691 ENSG00000188691.5 2 GENCODE basic PTHR24248\_SF69 OLFACTORY RECEPTOR 56A5 OR56A5

ENSG00000189077 ENSG00000189077.11 15 GENCODE basic PTHR21433 TRANSMEMBRANE TMEM120A

ENSG00000189077 ENSG00000189077.11 15 TMEM120A

ENSG00000189077 ENSG00000189077.11 15 PTHR21433 TRANSMEMBRANE TMEM120A

ENSG00000189357 ENSG00000189357.8 1 GENCODE basic PTHR21859 SPERMATOGENESIS ASSOCIATED FA SPATA31D4

ENSG00000189431 ENSG00000189431.7 1 GENCODE basic PTHR15286 RAS ASSOCIATION DOMAIN CONTAINING 1 RASSF10

ENSG00000196289 ENSG00000196289.7 1 GENCODE basic PTHR12768 BECLIN 1 BECN2

ENSG00000196369 ENSG00000196369.11 7 GENCODE basic PTHR14166 SLIT ROBO RHO GTPASE ACTIVATING RHO GTPASE ACTIVATING SRGAP2B

ENSG00000196369 ENSG00000196369.11 7 SRGAP2B

ENSG00000196421 ENSG00000196421.8 5 C20orf204

ENSG00000196421 ENSG00000196421.8 5 GENCODE basic C20orf204

ENSG00000196553 ENSG00000196553.15 12 CCDC196

ENSG00000196553 ENSG00000196553.15 12 TF603818 COILED COIL DOMAIN CONTAINING 196 CCDC196

ENSG00000196553 ENSG00000196553.15 12 GENCODE basic TF603818 COILED COIL DOMAIN CONTAINING 196 CCDC196

ENSG00000196589 ENSG00000196589.6 2 GENCODE basic PTHR12396 METHYL CPG BINDING DOMAIN 3 MBD3 MBD3L2B

ENSG00000196912 ENSG00000196912.12 8 GENCODE basic PTHR24176\_SF1 ANKYRIN REPEAT DOMAIN CONTAINING ANKRD36B

ENSG00000196912 ENSG00000196912.12 8 ANKRD36B

ENSG00000196912 ENSG00000196912.12 8 PTHR24176\_SF1 ANKYRIN REPEAT DOMAIN CONTAINING ANKRD36B

ENSG00000196972 ENSG00000196972.9 1 GENCODE basic TF336091 SMALL INTEGRAL MEMBRANE 10 SMIM10L2B

ENSG00000197062 ENSG00000197062.11 7 GENCODE basic PTHR23226\_SF56 ZINC FINGER AND SCAN DOMAIN CONTAINING 26 ZINC FINGER 187 ZSCAN26

ENSG00000197062 ENSG00000197062.11 7 PTHR23226\_SF56 ZINC FINGER AND SCAN DOMAIN CONTAINING 26 ZINC FINGER 187 ZSCAN26

ENSG00000197253 ENSG00000197253.13 3 PTHR24268\_SF98 TRYPTASE PRECURSOR TRYPTASE EC\_3.4.21.59 TRYPTASE TPSB2

ENSG00000197253 ENSG00000197253.13 3 GENCODE basic PTHR24268\_SF98 TRYPTASE PRECURSOR TRYPTASE EC\_3.4.21.59 TRYPTASE TPSB2

ENSG00000197558 ENSG00000197558.11 11 SSPO

ENSG00000197558 ENSG00000197558.11 11 GENCODE basic PTHR11339\_SF256 SCO SPONDIN PRECURSOR SSPO

ENSG00000197674 ENSG00000197674.7 1 GENCODE basic PTHR26450 OLFACTORY RECEPTOR OLFACTORY RECEPTOR OR11 OR51C1P

ENSG00000197849 ENSG00000197849.6 2 GENCODE basic PTHR26452 OLFACTORY RECEPTOR OLFACTORY RECEPTOR OR8G1

ENSG00000198547 ENSG00000198547.8 2 GENCODE basic C20orf203

ENSG00000198678 ENSG00000198678.5 1 GENCODE basic PTHR26451\_SF181 OLFACTORY RECEPTOR OR5BS1P

ENSG00000203499 ENSG00000203499.11 5 GENCODE basic IQANK1

ENSG00000203499 ENSG00000203499.11 5 GENCODE basic PTHR24193\_SF74 IQ MOTIF AND ANKYRIN REPEAT DOMAIN CONTAINING IQANK1

ENSG00000203499 ENSG00000203499.11 5 IQANK1

ENSG00000204025 ENSG00000204025.7 3 GENCODE basic TF351966 UNCHARACTERIZED TRPC5OS

ENSG00000204272 ENSG00000204272.12 4 GENCODE basic TF353536 UNKNOWN NBDY

ENSG00000204272 ENSG00000204272.12 4 NBDY

ENSG00000204450 ENSG00000204450.8 1 GENCODE basic PTHR24103\_SF307 TRIPARTITE MOTIF CONTAINING TRIM64

ENSG00000204505 ENSG00000204505.4 1 GENCODE basic PTHR14224 PRAME FAMILY MEMBER PRAMEF9

ENSG00000204583 ENSG00000204583.10 6 LRCOL1

ENSG00000204583 ENSG00000204583.10 6 GENCODE basic PTHR10041\_SF6 LEUCINE RICH COLIPASE 1 PRECURSOR LRCOL1

ENSG00000204805 ENSG00000204805.9 1 GENCODE basic AL391987.2

ENSG00000204815 ENSG00000204815.10 4 Primary ciliary dyskinesia PTHR23040\_SF1 TETRATRICOPEPTIDE REPEAT 25 TPR REPEAT 25 TTC25

ENSG00000204815 ENSG00000204815.10 4 CILIARY DYSKINESIA PRIMARY 35 PTHR23040\_SF1 TETRATRICOPEPTIDE REPEAT 25 TPR REPEAT 25 TTC25

ENSG00000204815 ENSG00000204815.10 4 Primary Ciliary Dyskinesia with Left-Right Body Asymmetry Randomization PTHR23040\_SF1 TETRATRICOPEPTIDE REPEAT 25 TPR REPEAT 25 TTC25

ENSG00000204815 ENSG00000204815.10 4 GENCODE basic Primary ciliary dyskinesia PTHR23040\_SF1 TETRATRICOPEPTIDE REPEAT 25 TPR REPEAT 25 TTC25

ENSG00000204815 ENSG00000204815.10 4 GENCODE basic CILIARY DYSKINESIA PRIMARY 35 PTHR23040\_SF1 TETRATRICOPEPTIDE REPEAT 25 TPR REPEAT 25 TTC25

ENSG00000204815 ENSG00000204815.10 4 GENCODE basic Primary Ciliary Dyskinesia with Left-Right Body Asymmetry Randomization PTHR23040\_SF1 TETRATRICOPEPTIDE REPEAT 25 TPR REPEAT 25 TTC25

ENSG00000204815 ENSG00000204815.10 4 Primary ciliary dyskinesia TTC25

ENSG00000204815 ENSG00000204815.10 4 CILIARY DYSKINESIA PRIMARY 35 TTC25

ENSG00000204815 ENSG00000204815.10 4 Primary Ciliary Dyskinesia with Left-Right Body Asymmetry Randomization TTC25

ENSG00000204936 ENSG00000204936.10 3 GENCODE basic PTHR16529 PRECURSOR CD177

ENSG00000204936 ENSG00000204936.10 3 PTHR16529 PRECURSOR CD177

ENSG00000205903 ENSG00000205903.7 3 GENCODE basic PTHR24408\_SF17 ZINC FINGER 316 ZNF316

ENSG00000205903 ENSG00000205903.7 3 ZNF316

ENSG00000205903 ENSG00000205903.7 3 PTHR24408\_SF17 ZINC FINGER 316 ZNF316

ENSG00000206072 ENSG00000206072.12 9 PTHR11461\_SF137 SERPIN B11 SERPINB11

ENSG00000206072 ENSG00000206072.12 9 GENCODE basic PTHR11461\_SF137 SERPIN B11 SERPINB11

ENSG00000206072 ENSG00000206072.12 9 SERPINB11

ENSG00000206113 ENSG00000206113.10 7 CFAP99

ENSG00000206113 ENSG00000206113.10 7 GENCODE basic TF343192 CILIA AND FLAGELLA ASSOCIATED 99 CFAP99

ENSG00000206140 ENSG00000206140.11 14 TMEM191C

ENSG00000206140 ENSG00000206140.11 14 GENCODE basic TMEM191C

ENSG00000206140 ENSG00000206140.11 14 GENCODE basic TF621592 TRANSMEMBRANE TMEM191C

ENSG00000213793 ENSG00000213793.5 2 GENCODE basic PTHR24407\_SF12 ZINC FINGER ZNF888

ENSG00000213793 ENSG00000213793.5 2 ZNF888

ENSG00000214279 ENSG00000214279.13 6 SCART1

ENSG00000214279 ENSG00000214279.13 6 GENCODE basic PTHR19331\_SF15 SCAVENGER RECEPTOR CYSTEINE RICH DOMAIN CONTAINING SCART1 PRECURSOR SCART1

ENSG00000214336 ENSG00000214336.4 1 GENCODE basic PTHR11829\_SF64 FORKHEAD BOX I3 FOXI3

ENSG00000214534 ENSG00000214534.5 1 GENCODE basic PTHR24381\_SF18 ZINC FINGER ZNF705E

ENSG00000214652 ENSG00000214652.6 1 GENCODE basic PTHR24377\_SF279 ZINC FINGER ZNF727

ENSG00000214654 ENSG00000214654.8 3 GENCODE basic PTHR11214\_SF29 UDP GLCNAC:BETAGAL BETA 1 3 N ACETYLGLUCOSAMINYLTRANSFERASE EC\_2.4.1.- UDP GLCNAC:BETAGAL BETA 1 3 N ACETYLGLUCOSAMINYLTRANSFERASE UDP GLCNAC:BETAGAL BETA 1 3 N ACETYLGLUCOSAMINYLTRANSFERASE 5 PSEUDOGENE B3GNT10

ENSG00000214654 ENSG00000214654.8 3 B3GNT10

ENSG00000214897 ENSG00000214897.4 2 GENCODE basic PTHR23095 PARANEOPLASTIC ANTIGEN PNMA6E

ENSG00000214943 ENSG00000214943.4 1 GENCODE basic PTHR24225 RECEPTOR GPR33

ENSG00000215113 ENSG00000215113.6 2 GENCODE basic PTHR31866 UNCHARACTERIZED CXORF49 CXorf49B

ENSG00000215113 ENSG00000215113.6 2 CXorf49B

ENSG00000215115 ENSG00000215115.6 2 CXorf49

ENSG00000215115 ENSG00000215115.6 2 GENCODE basic PTHR31866 UNCHARACTERIZED CXORF49 CXorf49

ENSG00000215148 ENSG00000215148.8 1 GENCODE basic PTHR24256\_SF100 SERINE PROTEASE 41 PRECURSOR EC\_3.4.21.- TESTIS SERINE PROTEASE 1 TESSP 1 PRSS41

ENSG00000215174 ENSG00000215174.2 1 GENCODE basic NLRP2B

ENSG00000215817 ENSG00000215817.7 2 GENCODE basic PTHR15725 ZINC FINGER CCCH DOMAIN CONTAINING 11A ZC3H11B

ENSG00000218305 ENSG00000218305.4 2 GENCODE basic PTHR23339\_SF53 DUAL SPECIFICITY PHOSPHATASE EC\_3.1.3.16 EC\_3.1.3.- 48 CDC14 CELL DIVISION CYCLE 14 HOMOLOG CDC14C

ENSG00000220948 ENSG00000220948.5 2 GENCODE basic PTHR24103\_SF302 TRIPARTITE MOTIF CONTAINING 51 SPRY DOMAIN CONTAINING 5 TRIM51GP

ENSG00000221878 ENSG00000221878.12 6 PSG7

ENSG00000221878 ENSG00000221878.12 6 GENCODE basic PTHR19955 CARCINOEMBRYONIC ANTIGEN RELATED CELL ADHESION MOLECULE PRECURSOR PSG7

ENSG00000223573 ENSG00000223573.7 5 GENCODE basic TINCR

ENSG00000223573 ENSG00000223573.7 5 TINCR

ENSG00000223591 ENSG00000223591.5 1 GENCODE basic TF313636 CENTROMERE V CENTROMERE V PSEUDOGENE CENPVL1

ENSG00000223614 ENSG00000223614.5 1 GENCODE basic PTHR24377\_SF153 ZINC FINGER ZNF735

ENSG00000223658 ENSG00000223658.8 1 GENCODE basic PTHR23033\_SF2 C1GALT1 SPECIFIC CHAPERONE 1 CORE 1 BETA1 3 GALACTOSYLTRANSFERASE 2 C1GAL T2 C1GALT2 CORE 1 BETA3 GAL T2 CORE 1 BETA3 GALACTOSYLTRANSFERASE SPECIFIC MOLECULAR CHAPERONE C1GALT1C1L

ENSG00000224107 ENSG00000224107.5 2 GENCODE basic ETDB

ENSG00000224109 ENSG00000224109.3 1 GENCODE basic TF313636 CENTROMERE V CENTROMERE V PSEUDOGENE CENPVL3

ENSG00000224440 ENSG00000224440.1 1 GENCODE basic CXorf51A

ENSG00000224578 ENSG00000224578.5 2 GENCODE basic PTHR24012\_SF309 HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN A1 HNRNP A1 HELIX DESTABILIZING SINGLE STRAND BINDING HNRNP CORE A1 [CONTAINS HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN A1 N TERMINALLY PROCESSED] HNRNPA1P48

ENSG00000224578 ENSG00000224578.5 2 HNRNPA1P48

ENSG00000224960 ENSG00000224960.4 1 GENCODE basic PTHR23318 SERINE/THREONINE PHOSPHATASE 4 REGULATORY SUBUNIT 3 PPP4R3C

ENSG00000225110 ENSG00000225110.2 1 GENCODE basic PTHR23095 PARANEOPLASTIC ANTIGEN PNMA6F

ENSG00000225180 ENSG00000225180.7 3 PVALEF

ENSG00000225180 ENSG00000225180.7 3 GENCODE basic PVALEF

ENSG00000225327 ENSG00000225327.3 1 GENCODE basic PTHR24006\_SF382 UBIQUITIN CARBOXYL TERMINAL HYDROLASE 17 USP17L3

ENSG00000225396 ENSG00000225396.5 2 GENCODE basic TF354057 UNKNOWN FAM236D

ENSG00000225528 ENSG00000225528.3 1 GENCODE basic TF621990 AMBIGUOUS Z82206.1

ENSG00000225805 ENSG00000225805.4 1 GENCODE basic PTHR15001\_SF18 BETA DEFENSIN DEFB131B

ENSG00000225973 ENSG00000225973.4 3 GENCODE basic PIGBOS1

ENSG00000225973 ENSG00000225973.4 3 PIGBOS1

ENSG00000226430 ENSG00000226430.6 1 GENCODE basic PTHR24006\_SF382 UBIQUITIN CARBOXYL TERMINAL HYDROLASE 17 USP17L7

ENSG00000226690 ENSG00000226690.8 6 AC013470.2

ENSG00000226690 ENSG00000226690.8 6 GENCODE basic AC013470.2

ENSG00000226792 ENSG00000226792.7 4 GENCODE basic TF658032 UNCHARACTERIZED C13orf42

ENSG00000226792 ENSG00000226792.7 4 C13orf42

ENSG00000227877 ENSG00000227877.6 11 MRLN

ENSG00000227877 ENSG00000227877.6 11 GENCODE basic MRLN

ENSG00000228486 ENSG00000228486.10 58 C2orf92

ENSG00000228486 ENSG00000228486.10 58 GENCODE basic C2orf92

ENSG00000229637 ENSG00000229637.4 2 GENCODE basic PRAC2

ENSG00000229674 ENSG00000229674.2 1 GENCODE basic PTHR23430\_SF11 HISTONE H2A 1 H2A L HISTONE H2A 1 AL121578.2

ENSG00000229894 ENSG00000229894.4 1 GENCODE basic PTHR10196 GLYCEROL KINASE GK GLYCEROKINASE EC\_2.7.1.30 ATP:GLYCEROL 3 PHOSPHOTRANSFERASE GK3P

ENSG00000230054 ENSG00000230054.3 2 GENCODE basic TEX53

ENSG00000230054 ENSG00000230054.3 2 TEX53

ENSG00000230124 ENSG00000230124.8 8 Autosomal Recessive Mental Retardation ACBD6

ENSG00000230124 ENSG00000230124.8 8 Autosomal Recessive Mental Retardation PTHR24119 ACYL COA BINDING DOMAIN CONTAINING 6 ACBD6

ENSG00000230124 ENSG00000230124.8 8 GENCODE basic Autosomal Recessive Mental Retardation PTHR24119 ACYL COA BINDING DOMAIN CONTAINING 6 ACBD6

ENSG00000230257 ENSG00000230257.4 2 NFE4

ENSG00000230257 ENSG00000230257.4 2 GENCODE basic NFE4

ENSG00000230268 ENSG00000230268.3 1 GENCODE basic PTHR20383 RNA POLYMERASE II SUBUNIT A C TERMINAL DOMAIN PHOSPHATASE SSU72 CTD PHOSPHATASE SSU72 EC\_3.1.3.16 SUPPRESSOR OF SUA7 2 HOMOLOG SSU72P8

ENSG00000230358 ENSG00000230358.4 2 GENCODE basic PTHR31156 SPEEDY SPDYE21P

ENSG00000230549 ENSG00000230549.3 1 GENCODE basic PTHR24006\_SF382 UBIQUITIN CARBOXYL TERMINAL HYDROLASE 17 USP17L1

ENSG00000230561 ENSG00000230561.4 3 GENCODE basic TF634832 COILED COIL DOMAIN CONTAINING 192 CCDC192

ENSG00000230561 ENSG00000230561.4 3 CCDC192

ENSG00000230601 ENSG00000230601.6 2 GENCODE basic TEX48

ENSG00000230626 ENSG00000230626.4 1 GENCODE basic PTHR24360\_SF15 DUAL SPECIFICITY MITOGEN ACTIVATED KINASE KINASE 1 MAP KINASE KINASE 1 MAPKK 1 EC\_2.7.12.2 ERK ACTIVATOR KINASE 1 MAPK/ERK KINASE 1 AC011005.1

ENSG00000230667 ENSG00000230667.5 2 GENCODE basic PTHR11875\_SF58 SET PHOSPHATASE 2A INHIBITOR I2PP2A I 2PP2A TEMPLATE ACTIVATING FACTOR I TAF I SETSIP

ENSG00000231767 ENSG00000231767.4 2 GENCODE basic PTHR10666\_SF76 UBIQUITIN 40S RIBOSOMAL S27A PRECURSOR UBIQUITIN CARBOXYL EXTENSION 80 [CONTAINS UBIQUITIN; 40S RIBOSOMAL AL136454.1

ENSG00000231989 ENSG00000231989.4 1 GENCODE basic PTHR12398\_SF22 PHOSPHATASE INHIBITOR 2 2 PPP1R2B

ENSG00000232030 ENSG00000232030.3 1 GENCODE basic PTHR11736\_SF67 MELANOMA ASSOCIATED ANTIGEN B6 CANCER/TESTIS ANTIGEN 3 4 CT3 4 MAGE B6 ANTIGEN MAGEB6B

ENSG00000232113 ENSG00000232113.3 1 GENCODE basic TF638463 TESTIS EXPRESSED 50 PRECURSOR TEX50

ENSG00000232388 ENSG00000232388.4 3 GENCODE basic TF353991 SMALL INTEGRAL MEMBRANE 26 SMIM26

ENSG00000232388 ENSG00000232388.4 3 GENCODE basic SMIM26

ENSG00000232593 ENSG00000232593.7 5 KANTR

ENSG00000232593 ENSG00000232593.7 5 GENCODE basic KANTR

ENSG00000233087 ENSG00000233087.7 1 GENCODE basic PTHR24073\_SF373 RAS RELATED RAB RAB6 RAB6D

ENSG00000233757 ENSG00000233757.6 3 GENCODE basic PTHR24377\_SF268 ZINC FINGER AC092835.1

ENSG00000233757 ENSG00000233757.6 3 AC092835.1

ENSG00000233802 ENSG00000233802.8 2 GENCODE basic PTHR24103\_SF310 TRIPARTITE MOTIF CONTAINING TRIM49D2

ENSG00000233954 ENSG00000233954.6 1 GENCODE basic PTHR15336\_SF0 CYTOCHROME B C1 COMPLEX SUBUNIT 6 MITOCHONDRIAL PRECURSOR COMPLEX III SUBUNIT 6 COMPLEX III SUBUNIT VIII CYTOCHROME C1 NON HEME 11 KDA MITOCHONDRIAL HINGE UBIQUINOL CYTOCHROME C REDUCTASE COMPLEX 11 KDA UQCRHL

ENSG00000234289 ENSG00000234289.5 1 GENCODE basic PTHR23428 HISTONE H2B H2BFS

ENSG00000234616 ENSG00000234616.8 11 GENCODE basic Childhood absence epilepsy PTHR19303\_SF191 JERKY JRK

ENSG00000234616 ENSG00000234616.8 11 GENCODE basic Juvenile myoclonic epilepsy PTHR19303\_SF191 JERKY JRK

ENSG00000234616 ENSG00000234616.8 11 Childhood absence epilepsy JRK

ENSG00000234616 ENSG00000234616.8 11 Juvenile myoclonic epilepsy JRK

ENSG00000234828 ENSG00000234828.8 6 GENCODE basic TF616291 UNCHARACTERIZED IQCM

ENSG00000234828 ENSG00000234828.8 6 IQCM

ENSG00000235106 ENSG00000235106.10 7 GENCODE basic BRD3OS

ENSG00000235106 ENSG00000235106.10 7 BRD3OS

ENSG00000235118 ENSG00000235118.8 2 GENCODE basic TF343538 UNKNOWN FAM237A

ENSG00000235118 ENSG00000235118.8 2 FAM237A

ENSG00000235272 ENSG00000235272.2 1 GENCODE basic TF607727 RNA GUANINE N7 METHYLTRANSFERASE ACTIVATING SUBUNIT FA RNA GUANINE 7 METHYLTRANSFERASE ACTIVATING SUBUNIT RNMT ACTIVATING CAP METHYLATING SUBUNIT RNMT ACTIVATING CAP METHYLTRANSFERASE SUBUNIT RNMT ACTIVATING MINI RAM RAMACL

ENSG00000235387 ENSG00000235387.4 5 GENCODE basic SPAAR

ENSG00000235387 ENSG00000235387.4 5 SPAAR

ENSG00000235453 ENSG00000235453.10 6 GENCODE basic SMIM27

ENSG00000235453 ENSG00000235453.10 6 SMIM27

ENSG00000235699 ENSG00000235699.2 1 GENCODE basic CXorf51B

ENSG00000235710 ENSG00000235710.5 2 AL109810.2

ENSG00000235710 ENSG00000235710.5 2 GENCODE basic AL109810.2

ENSG00000236125 ENSG00000236125.3 1 GENCODE basic PTHR24006\_SF382 UBIQUITIN CARBOXYL TERMINAL HYDROLASE 17 USP17L4

ENSG00000236383 ENSG00000236383.8 16 CCDC200

ENSG00000236383 ENSG00000236383.8 16 GENCODE basic CCDC200

ENSG00000236396 ENSG00000236396.8 1 GENCODE basic PTHR22911 SOLUTE CARRIER FAMILY 35 MEMBER ACYL MALONYL CONDENSING ENZYME 1 SLC35G4

ENSG00000236444 ENSG00000236444.4 3 GENCODE basic PTHR24068\_SF28 UBIQUITIN CONJUGATING ENZYME E2 L3 EC\_2.3.2.23 E2 UBIQUITIN CONJUGATING ENZYME L3 UBIQUITIN CARRIER L3 UBIQUITIN LIGASE L3 UBE2L5

ENSG00000236543 ENSG00000236543.2 2 AL354761.1

ENSG00000236543 ENSG00000236543.2 2 GENCODE basic AL354761.1

ENSG00000236782 ENSG00000236782.7 6 GENCODE basic AL391650.1

ENSG00000236782 ENSG00000236782.7 6 AL391650.1

ENSG00000237038 ENSG00000237038.5 1 GENCODE basic PTHR24006\_SF382 UBIQUITIN CARBOXYL TERMINAL HYDROLASE 17 USP17L8

ENSG00000237110 ENSG00000237110.2 1 GENCODE basic PTHR24249\_SF79 TRACE AMINE ASSOCIATED RECEPTOR 9 TAR 9 TRACE AMINE RECEPTOR 9 TRACE AMINE RECEPTOR 3 TAR 3 TAAR9

ENSG00000237378 ENSG00000237378.3 2 GENCODE basic AL445989.1

ENSG00000237378 ENSG00000237378.3 2 AL445989.1

ENSG00000237489 ENSG00000237489.5 4 C10orf143

ENSG00000237489 ENSG00000237489.5 4 GENCODE basic C10orf143

ENSG00000237700 ENSG00000237700.2 1 GENCODE basic PTHR14224 PRAME FAMILY MEMBER PRAMEF33

ENSG00000237988 ENSG00000237988.5 3 GENCODE basic PTHR26453 OLFACTORY RECEPTOR OLFACTORY RECEPTOR OR2I1P

ENSG00000237988 ENSG00000237988.5 3 OR2I1P

ENSG00000238205 ENSG00000238205.3 1 GENCODE basic PTHR14154\_SF9 MITOCHONDRIAL PYRUVATE CARRIER MPC1L

ENSG00000238210 ENSG00000238210.3 2 GENCODE basic ETDA

ENSG00000239395 ENSG00000239395.2 1 GENCODE basic AC118470.1

ENSG00000239521 ENSG00000239521.8 13 CASTOR3

ENSG00000239521 ENSG00000239521.8 13 GENCODE basic PTHR31131 CYTOSOLIC ARGININE SENSOR MTORC1 SUBUNIT GATS CASTOR3

ENSG00000239620 ENSG00000239620.2 1 GENCODE basic TF626998 PROLINE RICH PRR20G

ENSG00000239642 ENSG00000239642.6 5 MEIKIN

ENSG00000239642 ENSG00000239642.6 5 GENCODE basic TF338954 MEIOSIS SPECIFIC KINETOCHORE MEIKIN

ENSG00000239920 ENSG00000239920.2 5 GENCODE basic PTHR24103\_SF49 TRIPARTITE MOTIF CONTAINING 5 EC\_2.3.2.27 RING TYPE E3 UBIQUITIN TRANSFERASE TRIM5 TRIM5ALPHA AC104389.4

ENSG00000239920 ENSG00000239920.2 5 AC104389.4

ENSG00000240045 ENSG00000240045.2 1 GENCODE basic STRIT1

ENSG00000241149 ENSG00000241149.3 1 GENCODE basic PTHR24377\_SF153 ZINC FINGER AC115220.1

ENSG00000241224 ENSG00000241224.7 8 C3orf85

ENSG00000241224 ENSG00000241224.7 8 GENCODE basic C3orf85

ENSG00000242120 ENSG00000242120.3 1 GENCODE basic PTHR15304\_SF2 MYOD FAMILY INHIBITOR DOMAIN CONTAINING 2 MDFIC2

ENSG00000243910 ENSG00000243910.7 3 TUBA4B

ENSG00000243910 ENSG00000243910.7 3 GENCODE basic PTHR11588\_SF90 TUBULIN ALPHA TUBA4B

ENSG00000244219 ENSG00000244219.7 3 GENCODE basic TF629721 TRANSMEMBRANE 225B TMEM225B

ENSG00000244219 ENSG00000244219.7 3 TMEM225B

ENSG00000244234 ENSG00000244234.2 1 GENCODE basic PTHR23231\_SF11 GERM CELL LESS 1 GMCL2

ENSG00000247315 ENSG00000247315.3 1 GENCODE basic PTHR22639 ZINC FINGER CCHC DOMAIN CONTAINING 3 ZCCHC3

ENSG00000247595 ENSG00000247595.4 7 SPTY2D1OS

ENSG00000247595 ENSG00000247595.4 7 GENCODE basic SPTY2D1OS

ENSG00000248109 ENSG00000248109.2 4 GENCODE basic MARCOL

ENSG00000248109 ENSG00000248109.2 4 MARCOL

ENSG00000248144 ENSG00000248144.6 4 GENCODE basic Alcohol dependence PTHR11695\_SF376 ALCOHOL DEHYDROGENASE EC\_1.1.1.1 ALCOHOL DEHYDROGENASE SUBUNIT ADH1C

ENSG00000248144 ENSG00000248144.6 4 GENCODE basic Parkinson disease late-onset PTHR11695\_SF376 ALCOHOL DEHYDROGENASE EC\_1.1.1.1 ALCOHOL DEHYDROGENASE SUBUNIT ADH1C

ENSG00000248144 ENSG00000248144.6 4 Alcohol dependence PTHR11695\_SF376 ALCOHOL DEHYDROGENASE EC\_1.1.1.1 ALCOHOL DEHYDROGENASE SUBUNIT ADH1C

ENSG00000248144 ENSG00000248144.6 4 Parkinson disease late-onset PTHR11695\_SF376 ALCOHOL DEHYDROGENASE EC\_1.1.1.1 ALCOHOL DEHYDROGENASE SUBUNIT ADH1C

ENSG00000248144 ENSG00000248144.6 4 Alcohol dependence ADH1C

ENSG00000248144 ENSG00000248144.6 4 Parkinson disease late-onset ADH1C

ENSG00000248329 ENSG00000248329.6 5 GENCODE basic APELA

ENSG00000248329 ENSG00000248329.6 5 APELA

ENSG00000248746 ENSG00000248746.6 3 GENCODE basic Actn3 deficiency PTHR11915\_SF236 ALPHA ACTININ ALPHA ACTININ SKELETAL MUSCLE F ACTIN CROSS LINKING ACTN3

ENSG00000248746 ENSG00000248746.6 3 Actn3 deficiency ACTN3

ENSG00000248767 ENSG00000248767.2 2 GENCODE basic PTHR11829\_SF114 FORKHEAD BOX L1 AC187653.1

ENSG00000248767 ENSG00000248767.2 2 AC187653.1

ENSG00000248771 ENSG00000248771.5 2 GENCODE basic SMIM31

ENSG00000249156 ENSG00000249156.2 1 GENCODE basic PTHR13218\_SF8 TRANSCRIPTION INITIATION FACTOR TFIID SUBUNIT 11 TFIID SUBUNIT P30 BETA TRANSCRIPTION INITIATION FACTOR TFIID 28 KDA SUBUNIT TAF II 28 TAFII 28 TAFII28 TAF11L12

ENSG00000249662 ENSG00000249662.6 2 LINC02218

ENSG00000249662 ENSG00000249662.6 2 GENCODE basic PTHR13218\_SF8 TRANSCRIPTION INITIATION FACTOR TFIID SUBUNIT 11 TFIID SUBUNIT P30 BETA TRANSCRIPTION INITIATION FACTOR TFIID 28 KDA SUBUNIT TAF II 28 TAFII 28 TAFII28 LINC02218

ENSG00000249715 ENSG00000249715.12 7 FER1L5

ENSG00000249715 ENSG00000249715.12 7 PTHR12546\_SF34 FER 1 5 FER1L5

ENSG00000249715 ENSG00000249715.12 7 GENCODE basic PTHR12546\_SF34 FER 1 5 FER1L5

ENSG00000250298 ENSG00000250298.4 2 GENCODE basic PTHR10903\_SF40 GTPASE IMAP FAMILY MEMBER GIMD1 GIMAP FAMILY P LOOP NTPASE DOMAIN CONTAINING 1 GIMD1

ENSG00000250312 ENSG00000250312.8 3 GENCODE basic PTHR24377\_SF247 ZINC FINGER ZNF718

ENSG00000250312 ENSG00000250312.8 3 PTHR24377\_SF247 ZINC FINGER ZNF718

ENSG00000250366 ENSG00000250366.2 3 GENCODE basic TUNAR

ENSG00000250374 ENSG00000250374.4 1 GENCODE basic PTHR24103\_SF312 TRIPARTITE MOTIF CONTAINING 75 TRIPARTITE MOTIF CONTAINING 75 PSEUDOGENE TRIM75P

ENSG00000250719 ENSG00000250719.1 1 GENCODE basic TF661620 UNCHARACTERIZED P3R3URF

ENSG00000250782 ENSG00000250782.1 1 GENCODE basic PTHR13218\_SF8 TRANSCRIPTION INITIATION FACTOR TFIID SUBUNIT 11 TFIID SUBUNIT P30 BETA TRANSCRIPTION INITIATION FACTOR TFIID 28 KDA SUBUNIT TAF II 28 TAFII 28 TAFII28 TAF11L14

ENSG00000250803 ENSG00000250803.6 4 AC010255.3

ENSG00000250803 ENSG00000250803.6 4 GENCODE basic PTHR13555\_SF26 ZINC FINGER 474 AC010255.3

ENSG00000250821 ENSG00000250821.2 2 GENCODE basic PTHR16092\_SF9 EXOCYST COMPLEX COMPONENT 1 EXOC1L

ENSG00000250821 ENSG00000250821.2 2 EXOC1L

ENSG00000251287 ENSG00000251287.8 3 GENCODE basic PTHR13036 CHITOBIOSYLDIPHOSPHODOLICHOL BETA MANNOSYLTRANSFERASE EC\_2.4.1.142 ASPARAGINE LINKED GLYCOSYLATION 1 BETA 1 4 MANNOSYLTRANSFERASE GDP MAN:GLCNAC2 PP DOLICHOL MANNOSYLTRANSFERASE GDP MANNOSE DOLICHOL DIPHOSPHOCHITOBIOSE MANNOSYLTRANSFERASE ALG1L2

ENSG00000251287 ENSG00000251287.8 3 ALG1L2

ENSG00000253649 ENSG00000253649.5 6 PRSS51

ENSG00000253649 ENSG00000253649.5 6 GENCODE basic PTHR24265\_SF35 SERINE PROTEASE 55 PRECURSOR EC\_3.4.21.- PRSS51

ENSG00000253649 ENSG00000253649.5 6 GENCODE basic PRSS51

ENSG00000254126 ENSG00000254126.7 2 GENCODE basic PTHR11292 T CELL SURFACE GLYCOPROTEIN CD8 BETA CHAIN PRECURSOR CD8B CD8B2

ENSG00000255009 ENSG00000255009.4 1 GENCODE basic PTHR13711\_SF149 UPSTREAM BINDING FACTOR 1 UBTFL1

ENSG00000255071 ENSG00000255071.3 1 GENCODE basic PTHR23424 SERUM AMYLOID A SAA2-SAA4

ENSG00000255151 ENSG00000255151.2 1 GENCODE basic PTHR15298 GLYCINE N ACYLTRANSFERASE EC\_2.3.1.13 ACYL COA:GLYCINE N ACYLTRANSFERASE GLYATL1B

ENSG00000255192 ENSG00000255192.5 2 GENCODE basic PTHR24327\_SF29 HOMEOBOX NANOG HOMEOBOX TRANSCRIPTION FACTOR NANOG NANOGP8

ENSG00000255274 ENSG00000255274.9 4 GENCODE basic TF662656 SMALL INTEGRAL MEMBRANE 35 SMIM35

ENSG00000255274 ENSG00000255274.9 4 SMIM35

ENSG00000255393 ENSG00000255393.2 3 OOSP4B

ENSG00000255393 ENSG00000255393.2 3 GENCODE basic OOSP4B

ENSG00000255690 ENSG00000255690.2 1 GENCODE basic PTHR24367\_SF254 TLR4 INTERACTOR WITH LEUCINE RICH REPEATS PRECURSOR LEUCINE RICH REPEAT CONTAINING TRIL

ENSG00000255855 ENSG00000255855.2 1 GENCODE basic PTHR10694\_SF34 LYSINE SPECIFIC DEMETHYLASE 4E EC\_1.14.11.- KDM4D LYSINE SPECIFIC DEMETHYLASE 4D KDM4F

ENSG00000256514 ENSG00000256514.1 1 GENCODE basic PTHR14303\_SF0 DNA POLYMERASE DELTA SUBUNIT 4 DNA POLYMERASE DELTA SUBUNIT P12 AP003419.1

ENSG00000256537 ENSG00000256537.4 1 GENCODE basic TF336091 SMALL INTEGRAL MEMBRANE 10 SMIM10L1

ENSG00000256806 ENSG00000256806.5 3 GENCODE basic TF338155 UNCHARACTERIZED HOMOLOG C17orf100

ENSG00000256806 ENSG00000256806.5 3 TF338155 UNCHARACTERIZED HOMOLOG C17orf100

ENSG00000256806 ENSG00000256806.5 3 C17orf100

ENSG00000257057 ENSG00000257057.2 1 GENCODE basic TF633005 UNCHARACTERIZED C11orf97

ENSG00000257524 ENSG00000257524.6 7 PTHR13713\_SF45 ALPHA N ACETYLGALACTOSAMINIDE ALPHA 2 6 SIALYLTRANSFERASE 6 EC\_2.4.99.- GALNAC ALPHA 2 6 SIALYLTRANSFERASE VI ST6GALNAC VI ST6GALNACVI SIALYLTRANSFERASE 7F SIAT7 F AL157935.2

ENSG00000257524 ENSG00000257524.6 7 AL157935.2

ENSG00000257524 ENSG00000257524.6 7 GENCODE basic PTHR13713\_SF45 ALPHA N ACETYLGALACTOSAMINIDE ALPHA 2 6 SIALYLTRANSFERASE 6 EC\_2.4.99.- GALNAC ALPHA 2 6 SIALYLTRANSFERASE VI ST6GALNAC VI ST6GALNACVI SIALYLTRANSFERASE 7F SIAT7 F AL157935.2

ENSG00000258102 ENSG00000258102.4 4 MAP1LC3B2

ENSG00000258102 ENSG00000258102.4 4 GENCODE basic PTHR10969\_SF15 MICROTUBULE ASSOCIATED PROTEINS 1A/1B LIGHT CHAIN 3B PRECURSOR AUTOPHAGY RELATED LC3 B AUTOPHAGY RELATED UBIQUITIN MODIFIER LC3 B MAP1 LIGHT CHAIN 3 2 MAP1A/MAP1B LIGHT CHAIN 3 B MAP1A/MAP1B LC3 B MICROTUBULE ASSOCIATED 1 LIGHT CHAIN 3 BETA MAP1LC3B2

ENSG00000258453 ENSG00000258453.3 2 GENCODE basic PTHR24242\_SF201 OLFACTORY RECEPTOR OLFACTORY RECEPTOR 1 OR11H2

ENSG00000258461 ENSG00000258461.5 4 PTHR22762\_SF60 NEUTRAL ALPHA GLUCOSIDASE C EC\_3.2.1.20 AC012651.1

ENSG00000258461 ENSG00000258461.5 4 GENCODE basic PTHR22762\_SF60 NEUTRAL ALPHA GLUCOSIDASE C EC\_3.2.1.20 AC012651.1

ENSG00000258644 ENSG00000258644.6 4 GENCODE basic PTHR17130\_SF18 SYNAPTOJANIN 2 BINDING ACTIVIN RECEPTOR INTERACTING 2 MITOCHONDRIAL OUTER MEMBRANE 25 SYNJ2BP-COX16

ENSG00000258644 ENSG00000258644.6 4 SYNJ2BP-COX16

ENSG00000258644 ENSG00000258644.6 4 PTHR17130\_SF18 SYNAPTOJANIN 2 BINDING ACTIVIN RECEPTOR INTERACTING 2 MITOCHONDRIAL OUTER MEMBRANE 25 SYNJ2BP-COX16

ENSG00000259330 ENSG00000259330.2 2 GENCODE basic TF631805 TRANSMEMBRANE INAFM2 INAF MOTIF CONTAINING 2 OSTEOGENESIS UP REGULATED TRANSCRIPT 1 INAFM2

ENSG00000259330 ENSG00000259330.2 2 INAFM2

ENSG00000259417 ENSG00000259417.3 1 GENCODE basic CTXND1

ENSG00000260097 ENSG00000260097.2 1 GENCODE basic PTHR31156 SPEEDY SPDYE6

ENSG00000260643 ENSG00000260643.2 3 PTHR11715\_SF3 GLYCINE CLEAVAGE SYSTEM H PROTEIN MITOCHONDRIAL PRECURSOR LIPOIC ACID CONTAINING AC092718.3

ENSG00000260643 ENSG00000260643.2 3 GENCODE basic PTHR11715\_SF3 GLYCINE CLEAVAGE SYSTEM H PROTEIN MITOCHONDRIAL PRECURSOR LIPOIC ACID CONTAINING AC092718.3

ENSG00000260691 ENSG00000260691.6 9 ANKRD20A1

ENSG00000260691 ENSG00000260691.6 9 GENCODE basic PTHR24147\_SF1 ANKYRIN REPEAT DOMAIN CONTAINING ANKYRIN REPEAT DOMAIN CONTAINING PSEUDOGENE ANKRD20A1

ENSG00000260691 ENSG00000260691.6 9 PTHR24147\_SF1 ANKYRIN REPEAT DOMAIN CONTAINING ANKYRIN REPEAT DOMAIN CONTAINING PSEUDOGENE ANKRD20A1

ENSG00000260729 ENSG00000260729.1 1 GENCODE basic PTHR22600 BETA HEXOSAMINIDASE SUBUNIT PRECURSOR EC\_3.2.1.52 BETA N ACETYLHEXOSAMINIDASE SUBUNIT HEXOSAMINIDASE SUBUNIT N ACETYL BETA GLUCOSAMINIDASE SUBUNIT AC009690.1

ENSG00000260734 ENSG00000260734.5 1 GENCODE basic PTHR10814 TRANSDUCIN ENHANCER TLE7

ENSG00000260802 ENSG00000260802.1 2 GENCODE basic SERTM2

ENSG00000260802 ENSG00000260802.1 2 SERTM2

ENSG00000261308 ENSG00000261308.2 2 GENCODE basic PTHR23074\_SF33 FIDGETIN 2 FIGNL2

ENSG00000261341 ENSG00000261341.6 3 AC010325.1

ENSG00000261341 ENSG00000261341.6 3 GENCODE basic AC010325.1

ENSG00000261408 ENSG00000261408.7 3 TEN1-CDK3

ENSG00000261408 ENSG00000261408.7 3 GENCODE basic TF333010 CST COMPLEX SUBUNIT TEN1 TELOMERIC PATHWAYS WITH STN1 HOMOLOG TELOMERE LENGTH REGULATION TEN1 HOMOLOG TEN1-CDK3

ENSG00000261582 ENSG00000261582.1 1 GENCODE basic PTHR10784 EUKARYOTIC TRANSLATION INITIATION FACTOR 6 EIF 6 AL121753.1

ENSG00000261649 ENSG00000261649.6 2 GENCODE basic PTHR23143\_SF9 GOLGIN SUBFAMILY A MEMBER 6 GOLGA6L7

ENSG00000261649 ENSG00000261649.6 2 GOLGA6L7

ENSG00000261793 ENSG00000261793.1 1 GENCODE basic AL929554.1

ENSG00000261873 ENSG00000261873.2 3 GENCODE basic SMIM36

ENSG00000261873 ENSG00000261873.2 3 SMIM36

ENSG00000262165 ENSG00000262165.2 2 GENCODE basic AC233723.1

ENSG00000262165 ENSG00000262165.2 2 AC233723.1

ENSG00000262179 ENSG00000262179.2 2 GENCODE basic TF637125 MYOMIXER MICROPROTEIN INDUCER OF FUSION MINION MYMX

ENSG00000262461 ENSG00000262461.6 2 SPDYE9P

ENSG00000262461 ENSG00000262461.6 2 GENCODE basic PTHR31156 SPEEDY SPDYE9P

ENSG00000263201 ENSG00000263201.1 1 GENCODE basic DPEP2NB

ENSG00000263429 ENSG00000263429.3 2 GENCODE basic TF626699 UNCHARACTERIZED TMEM238L

ENSG00000263429 ENSG00000263429.3 2 TMEM238L

ENSG00000263465 ENSG00000263465.4 2 GENCODE basic PTHR23147\_SF4 SERINE/ARGININE RICH SPLICING FACTOR 2 SPLICING COMPONENT 35 KDA SPLICING FACTOR SC35 SC 35 SPLICING FACTOR ARGININE/SERINE RICH 2 SRSF8

ENSG00000263465 ENSG00000263465.4 2 SRSF8

ENSG00000263715 ENSG00000263715.7 2 GENCODE basic PTHR12011\_SF175 CORTICOTROPIN RELEASING FACTOR RECEPTOR 1 PRECURSOR CRF R 1 CRF R1 CRFR 1 CORTICOTROPIN RELEASING HORMONE RECEPTOR 1 CRH R 1 CRH R1 LINC02210-CRHR1

ENSG00000263715 ENSG00000263715.7 2 LINC02210-CRHR1

ENSG00000263874 ENSG00000263874.2 1 GENCODE basic LINC00672

ENSG00000264006 ENSG00000264006.8 4 GENCODE basic PTHR11732\_SF166 ALDO KETO REDUCTASE FAMILY 1 MEMBER EC\_1.1.1.- AKR1C8P

ENSG00000264006 ENSG00000264006.8 4 PTHR11732\_SF166 ALDO KETO REDUCTASE FAMILY 1 MEMBER EC\_1.1.1.- AKR1C8P

ENSG00000264006 ENSG00000264006.8 4 AKR1C8P

ENSG00000266826 ENSG00000266826.2 1 GENCODE basic PTHR10933 IMMUNOGLOBULIN BINDING 1 CD79A BINDING 1 PHOSPHATASE 2/4/6 REGULATORY SUBUNIT AC011195.2

ENSG00000267221 ENSG00000267221.2 1 GENCODE basic PTHR24414\_SF26 ZINC FINGER AND BTB DOMAIN CONTAINING 8B C17orf113

ENSG00000268041 ENSG00000268041.2 1 GENCODE basic PTHR11849\_SF165 AMBIGUOUS AC010616.1

ENSG00000268655 ENSG00000268655.2 2 GENCODE basic TF629195 UNCHARACTERIZED AC008687.4

ENSG00000268655 ENSG00000268655.2 2 AC008687.4

ENSG00000268696 ENSG00000268696.2 1 GENCODE basic PTHR24384 ZINC FINGER ZNF723

ENSG00000268799 ENSG00000268799.3 1 GENCODE basic PTHR11426 HISTONE H3 AC106774.4

ENSG00000268902 ENSG00000268902.3 4 CSAG2

ENSG00000268902 ENSG00000268902.3 4 GENCODE basic TF340411 CHONDROSARCOMA ASSOCIATED GENE 2/3 CANCER/TESTIS ANTIGEN 24 2 CT24 2 TAXOL RESISTANT ASSOCIATED GENE 3 TRAG 3 CSAG2

ENSG00000268994 ENSG00000268994.3 1 GENCODE basic TF354057 UNKNOWN FAM236B

ENSG00000269466 ENSG00000269466.3 1 GENCODE basic PTHR11426 HISTONE H3 H3.Y

ENSG00000269720 ENSG00000269720.2 2 GENCODE basic CCDC194

ENSG00000269720 ENSG00000269720.2 2 CCDC194

ENSG00000270170 ENSG00000270170.2 1 GENCODE basic TF338163 UNCHARACTERIZED NCBP2 AS2 NCBP2 ANTISENSE RNA 2 NCBP2 ANTISENSE GENE 2 NCBP2AS2

ENSG00000270601 ENSG00000270601.4 1 GENCODE basic PTHR14224 PRAME FAMILY MEMBER PRAMEF5

ENSG00000271824 ENSG00000271824.1 1 GENCODE basic SMIM32

ENSG00000272899 ENSG00000272899.4 1 GENCODE basic TF608988 AT FNB AT F NEIGHBOR GENE HOMOLOG ATP6V1FNB

ENSG00000273238 ENSG00000273238.2 1 GENCODE basic TMEM271