Trigonelline mitigates bleomycin-induced idiopathic pulmonary fibrosis in mice

Running title: Trigonelline prevents idiopathic pulmonary fibrosis

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Supplementary Table 3. IPF protein targets obtained from GeneCard database.

Gene Symbol	Description	Category	Uniprot ID	Gifts	GC Id	Relevance score
TERT	Telomerase Reverse Transcriptase	Protein Coding	O14746	60	GC05M001253	358.5249
RTEL1	Regulator Of Telomere Elongation Helicase 1	Protein Coding	Q9NZ71	51	GC20P066991	264.6991
RTEL1-TNFRSF6B	RTEL1-TNFRSF6B Readthrough (NMD Candidate)	RNA Gene		25	GC20P063657	246.6595
CFTR	CF Transmembrane Conductance Regulator	Protein Coding	P13569	61	GC07P117287	224.6553
BMPR2	Bone Morphogenetic Protein Receptor Type 2	Protein Coding	Q13873	59	GC02P202376	179.275
PARN	Poly(A)-Specific Ribonuclease	Protein Coding	O95453	52	GC16M014435	162.2071
SFTPC	Surfactant Protein C	Protein Coding	P11686	50	GC08P022156	154.5229
ABCA3	ATP Binding Cassette Subfamily A Member 3	Protein Coding	Q99758	56	GC16M002275	144.8159
LOC110806263	TERT 5' Regulatory Region	Functional Element		9	GC05P001294	132.0654
CACNA1H	Calcium Voltage-Gated Channel Subunit Alpha1 H	Protein	O95180	58	GC16P001153	127.5482

		Coding				
MUC5B	Mucin 5B, Oligomeric Mucus/Gel-Forming	Protein Coding	Q9HC84	51	GC11P010639	107.8448
TERC	Telomerase RNA Component	RNA Gene		35	GC03M169765	107.1713
SFTPA2	Surfactant Protein A2	Protein Coding	Q8IWL1	47	GC10M083505	107.1474
SFTPA1	Surfactant Protein A1	Protein Coding	Q8IWL2	53	GC10P112479	102.8437
SFTPB	Surfactant Protein B	Protein Coding	P07988	52	GC02M085657	86.62558
TGFB1	Transforming Growth Factor Beta 1	Protein Coding	P01137	61	GC19M041301	86.05493
LOC110806306	Telomerase RNA Component (TERC) Promoter	Functional Element		9	GC03P169764	80.92317
CFTR-AS1	CFTR Antisense RNA 1	RNA Gene		19	GC07M117542	78.93699
FAM13A	Family With Sequence Similarity 13 Member A	Protein Coding	O94988	47	GC04M088725	78.37602
EIF2AK4	Eukaryotic Translation Initiation Factor 2 Alpha Kinase 4	Protein Coding	Q9P2K8	53	GC15P039934	73.78553
LOC111674472	DNase I Hypersensitive Sites In Introns 16 And 17a Of CFTR	Functional Element		9	GC07P117607	72.35939
DSP	Desmoplakin	Protein Coding	P15924	59	GC06P007541	72.11645
TBX4	T-Box Transcription Factor 4	Protein Coding	P57082	50	GC17P112810	69.38837
GABRA1	Gamma-Aminobutyric Acid Type A Receptor Subunit Alpha1	Protein Coding	P14867	56	GC05P161847	69.10606
SERPINA1	Serpin Family A Member 1	Protein Coding	P01009	58	GC14M094376	67.77972
IL6	Interleukin 6	Protein Coding	P05231	60	GC07P022725	63.27739
TNF	Tumor Necrosis Factor	Protein Coding	P01375	61	GC06P134820	62.66724
ENG	Endoglin	Protein Coding	P17813	56	GC09M127815	60.31015

PDGFRB	Platelet Derived Growth Factor Receptor Beta	Protein Coding	P09619	62	GC05M150113	60.09892
HLA-DRB1	Major Histocompatibility Complex, Class II, DR Beta 1	Protein Coding	P01911	55	GC06M093834	59.65407
ATP11A	ATPase Phospholipid Transporting 11A	Protein Coding	P98196	50	GC13P112690	59.42289
HMOX1	Heme Oxygenase 1	Protein Coding	P09601	61	GC22P035380	59.25201
CAV1	Caveolin 1	Protein Coding	Q03135	57	GC07P116524	58.50415
ACVRL1	Activin A Receptor Like Type 1	Protein Coding	P37023	59	GC12P051906	58.05904
PDGFRA	Platelet Derived Growth Factor Receptor Alpha	Protein Coding	P16234	62	GC04P054229	57.98032
STN1	STN1 Subunit Of CST Complex	Protein Coding	Q9H668	48	GC10M104160	57.63818
KCNK3	Potassium Two Pore Domain Channel Subfamily K Member 3	Protein Coding	O14649	58	GC02P026692	56.84932
LOC111674475	CFTR Intron 11 Enhancer	Functional Element		9	GC07P117587	56.71203
DPP9	Dipeptidyl Peptidase 9	Protein Coding	Q86TI2	51	GC19M091833	56.56259
MIR21	MicroRNA 21	RNA Gene		31	GC17P112757	55.62764
NKX2-1	NK2 Homeobox 1	Protein Coding	P43699	56	GC14M036516	55.60965
FAM111B	FAM111 Trypsin Like Peptidase B	Protein Coding	Q6SJ93	44	GC11P059107	55.03129
IFNG	Interferon Gamma	Protein Coding	P01579	59	GC12M068154	54.51327
FOXF1	Forkhead Box F1	Protein Coding	Q12946	49	GC16P086510	54.18165
SFTPD	Surfactant Protein D	Protein Coding	P35247	53	GC10M079937	53.59127
MMP1	Matrix Metallopeptidase 1	Protein Coding	P03956	59	GC11M126178	50.73875

LOC111674477	CFTR Intron 23 Enhancer	Functional Element		9	GC07P117665	49.03345
CXCL8	C-X-C Motif Chemokine Ligand 8	Protein Coding	P10145	53	GC04P073740	47.52012
NPHS2	NPHS2 Stomatin Family Member, Podocin	Protein Coding	Q9NP85	51	GC01M179554	46.98719
CLCN1	Chloride Voltage-Gated Channel 1	Protein Coding	P35523	53	GC07P143316	46.49938
ACE	Angiotensin I Converting Enzyme	Protein Coding	P12821	60	GC17P063477	46.34296
MIR17	MicroRNA 17	RNA Gene		26	GC13P091350	46.2492
H19	H19 Imprinted Maternally Expressed Transcript	RNA Gene		34	GC11M001995	45.36125
CASR	Calcium Sensing Receptor	Protein Coding	P41180	60	GC03P122183	45.02664
IL1B	Interleukin 1 Beta	Protein Coding	P01584	56	GC02M112829	44.88796
SCN5A	Sodium Voltage-Gated Channel Alpha Subunit 5	Protein Coding	Q14524	59	GC03M038707	44.8186
ATP13A3	ATPase 13A3	Protein Coding	Q9H7F0	47	GC03M194402	44.54324
NOP10	NOP10 Ribonucleoprotein	Protein Coding	Q9NPE3	50	GC15M039320	44.46273
SLC20A2	Solute Carrier Family 20 Member 2	Protein Coding	Q08357	54	GC08M042416	44.26608
EDN1	Endothelin 1	Protein Coding	P05305	58	GC06P012236	43.54371
IL10	Interleukin 10	Protein Coding	P22301	56	GC01M206767	43.40359
PDGFB	Platelet Derived Growth Factor Subunit B	Protein Coding	P01127	60	GC22M077951	43.30479
NKX2-5	NK2 Homeobox 5	Protein Coding	P52952	54	GC05M173232	42.76056
NF1	Neurofibromin 1	Protein Coding	P21359	56	GC17P031094	42.73924
CSF2RA	Colony Stimulating Factor 2 Receptor Subunit	Protein	P15509	53	GC0XP002416	41.98523

	Alpha	Coding				
GDF2	Growth Differentiation Factor 2	Protein Coding	Q9UK05	53	GC10P047322	41.92816
EDNRA	Endothelin Receptor Type A	Protein Coding	P25101	58	GC04P147480	41.86643
SMAD9	SMAD Family Member 9	Protein Coding	O15198	55	GC13M036844	41.74518
CCN2	Cellular Communication Network Factor 2	Protein Coding	P29279	54	GC06M131948	41.49165
ZCCHC8	Zinc Finger CCHC-Type Containing 8	Protein Coding	Q6NZY4	46	GC12M123651	41.2958
NAF1	Nuclear Assembly Factor 1 Ribonucleoprotein	Protein Coding	Q96HR8	43	GC04M163109	41.247
SLC2A1	Solute Carrier Family 2 Member 1	Protein Coding	P11166	62	GC01M042925	41.00013
MBL2	Mannose Binding Lectin 2	Protein Coding	P11226	55	GC10M052760	40.87146
ELN	Elastin	Protein Coding	P15502	52	GC07P074027	40.82027
MEG3	Maternally Expressed 3	RNA Gene		34	GC14P116735	40.6958
LOC113664106	CFTR Intron 2 DNase I Hypersensitive Site	Functional Element		9	GC07P117508	40.54323
SFTA3	Surfactant Associated 3	RNA Gene	P0C7M3	39	GC14M036474	40.53817
CCL2	C-C Motif Chemokine Ligand 2	Protein Coding	P13500	58	GC17P034255	40.27935
MIF	Macrophage Migration Inhibitory Factor	Protein Coding	P14174	56	GC22P023894	39.59208
CRP	C-Reactive Protein	Protein Coding	P02741	54	GC01M161311	39.42654
FLNA	Filamin A	Protein Coding	P21333	57	GC0XM154348	39.05294
TUBB3	Tubulin Beta 3 Class III	Protein Coding	Q13509	59	GC16P095438	38.74976
MMP9	Matrix Metallopeptidase 9	Protein Coding	P14780	62	GC20P046008	37.69243

HFE	Homeostatic Iron Regulator	Protein Coding	Q30201	54	GC06P026087	37.45298
IL4	Interleukin 4	Protein Coding	P05112	55	GC05P132673	37.36501
GJB2	Gap Junction Protein Beta 2	Protein Coding	P29033	54	GC13M020187	37.08724
TP53	Tumor Protein P53	Protein Coding	P04637	62	GC17M007661	36.94316
IL13	Interleukin 13	Protein Coding	P35225	53	GC05P132656	36.89692
TLR4	Toll Like Receptor 4	Protein Coding	O00206	60	GC09P117704	36.79274
SMAD4	SMAD Family Member 4	Protein Coding	Q13485	61	GC18P051028	36.67401
BMPR1A	Bone Morphogenetic Protein Receptor Type 1A	Protein Coding	P36894	60	GC10P109306	36.6514
MUC1	Mucin 1, Cell Surface Associated	Protein Coding	P15941	56	GC01M155185	36.35273
IL1RN	Interleukin 1 Receptor Antagonist	Protein Coding	P18510	59	GC02P143688	36.27182
TINF2	TERF1 Interacting Nuclear Factor 2	Protein Coding	Q9BSI4	50	GC14M027089	36.19771
MYH7	Myosin Heavy Chain 7	Protein Coding	P12883	56	GC14M023412	36.06828
ACTC1	Actin Alpha Cardiac Muscle 1	Protein Coding	P68032	53	GC15M034790	36.00387
LOC111674463	CFTR Promoter Region	Functional Element		9	GC07P117476	36.00169
LOC102723566	Uncharacterized LOC102723566	RNA Gene		18	GC09P127816	35.91923
ALB	Albumin	Protein Coding	P02768	58	GC04P073397	35.6413
EGFR	Epidermal Growth Factor Receptor	Protein Coding	P00533	63	GC07P055019	35.5002
BMP6	Bone Morphogenetic Protein 6	Protein Coding	P22004	53	GC06P007726	35.35529

CLCN2	Chloride Voltage-Gated Channel 2	Protein Coding	P51788	54	GC03M184346	35.27273
FBN1	Fibrillin 1	Protein Coding	P35555	56	GC15M048408	35.04629
AGT	Angiotensinogen	Protein Coding	P01019	58	GC01M230690	34.9258
HPS4	HPS4 Biogenesis Of Lysosomal Organelles Complex 3 Subunit 2	Protein Coding	Q9NQG7	47	GC22M026443	34.85206
MALAT1	Metastasis Associated Lung Adenocarcinoma Transcript 1	RNA Gene		32	GC11P089089	34.72256
SERPINE1	Serpin Family E Member 1	Protein Coding	P05121	59	GC07P101127	34.69425
FGFR1	Fibroblast Growth Factor Receptor 1	Protein Coding	P11362	63	GC08M038400	34.65396
ELANE	Elastase, Neutrophil Expressed	Protein Coding	P08246	60	GC19P111819	34.48829
SLC34A2	Solute Carrier Family 34 Member 2	Protein Coding	O95436	53	GC04P025648	34.12813
RPA1	Replication Protein A1	Protein Coding	P27694	56	GC17P001829	33.84419
CPS1	Carbamoyl-Phosphate Synthase 1	Protein Coding	P31327	57	GC02P210477	33.78659
LTBP4	Latent Transforming Growth Factor Beta Binding Protein 4	Protein Coding	Q8N2S1	51	GC19P040592	33.76816
HCN4	Hyperpolarization Activated Cyclic Nucleotide Gated Potassium Channel 4	Protein Coding	Q9Y3Q4	56	GC15M073319	33.73635
POT1	Protection Of Telomeres 1	Protein Coding	Q9NUX5	50	GC07M124822	33.72998
RBFOX3	RNA Binding Fox-1 Homolog 3	Protein Coding	A6NFN3	46	GC17M079089	33.58317
GATA6	GATA Binding Protein 6	Protein Coding	Q92908	55	GC18P022169	33.45802
TIMP1	TIMP Metallopeptidase Inhibitor 1	Protein Coding	P01033	54	GC0XP057483	33.12635

SOX17	SRY-Box Transcription Factor 17	Protein Coding	Q9H6I2	51	GC08P054457	33.09261
SMAD2	SMAD Family Member 2	Protein Coding	Q15796	60	GC18M047809	33.07765
STAT3	Signal Transducer And Activator Of Transcription 3	Protein Coding	P40763	62	GC17M042313	32.61777
DKC1	Dyskerin Pseudouridine Synthase 1	Protein Coding	O60832	55	GC0XP154762	32.54897
PMS2	PMS1 Homolog 2, Mismatch Repair System Component	Protein Coding	P54278	58	GC07M005973	32.51515
FCGR2A	Fc Gamma Receptor IIa	Protein Coding	P12318	56	GC01P161505	32.32975
NOS2	Nitric Oxide Synthase 2	Protein Coding	P35228	58	GC17M027756	32.26582
SLC11A1	Solute Carrier Family 11 Member 1	Protein Coding	P49279	55	GC02P218382	32.21149
NOS3	Nitric Oxide Synthase 3	Protein Coding	P29474	59	GC07P158097	32.09004
TPM1	Tropomyosin 1	Protein Coding	P09493	58	GC15P165361	32.07883
MPO	Myeloperoxidase	Protein Coding	P05164	61	GC17M058269	31.93649
IL5	Interleukin 5	Protein Coding	P05113	54	GC05M132541	31.43564
PGR-AS1	PGR Antisense RNA 1	RNA Gene		18	GC11P101131	31.3544
IL17A	Interleukin 17A	Protein Coding	Q16552	52	GC06P052186	31.29954
HPS1	HPS1 Biogenesis Of Lysosomal Organelles Complex 3 Subunit 1	Protein Coding	Q92902	50	GC10M098410	31.28156
IL1A	Interleukin 1 Alpha	Protein Coding	P01583	54	GC02M112773	31.27862
BRAF	B-Raf Proto-Oncogene, Serine/Threonine Kinase	Protein Coding	P15056	62	GC07M140773	31.26663
COL1A1	Collagen Type I Alpha 1 Chain	Protein	P02452	58	GC17M078201	31.25282

		Coding				
AFF4	ALF Transcription Elongation Factor 4	Protein Coding	Q9UHB7	49	GC05M132875	31.2394
HLA-B	Major Histocompatibility Complex, Class I, B	Protein Coding	P01889	54	GC06M093738	31.16037
SMAD3	SMAD Family Member 3	Protein Coding	P84022	61	GC15P067063	31.06966
NHP2	NHP2 Ribonucleoprotein	Protein Coding	Q9NX24	53	GC05M178149	31.05732
CTNNB1	Catenin Beta 1	Protein Coding	P35222	62	GC03P041194	30.95833
LMNA	Lamin A/C	Protein Coding	P02545	58	GC01P156082	30.91042
NOTCH1	Notch Receptor 1	Protein Coding	P46531	61	GC09M138715	30.83001
LOC113633877	CFTR Intron 19 DNase I Hypersensitive Site	Functional Element		9	GC07P117639	30.81357
CD36	CD36 Molecule (CD36 Blood Group)	Protein Coding	P16671	59	GC07P080369	30.70783
HLA-DQB1	Major Histocompatibility Complex, Class II, DQ Beta 1	Protein Coding	P01920	52	GC06M093843	30.68682
MIR451A	MicroRNA 451a	RNA Gene		25	GC17M028861	30.50432
HIF1A	Hypoxia Inducible Factor 1 Subunit Alpha	Protein Coding	Q16665	57	GC14P061695	30.49933
IGF1	Insulin Like Growth Factor 1	Protein Coding	P05019	57	GC12M102395	30.46044
TOLLIP	Toll Interacting Protein	Protein Coding	Q9H0E2	52	GC11M001274	30.39957
AKT1	AKT Serine/Threonine Kinase 1	Protein Coding	P31749	62	GC14M104769	30.30893
EPHX1	Epoxide Hydrolase 1	Protein Coding	P07099	53	GC01P225810	30.1673
CCL5	C-C Motif Chemokine Ligand 5	Protein Coding	P13501	52	GC17M035871	30.04578
JAK2	Janus Kinase 2	Protein	O60674	62	GC09P004985	30.0148

		Coding				
IL2	Interleukin 2	Protein Coding	P60568	55	GC04M122451	29.91605
PTPN11	Protein Tyrosine Phosphatase Non-Receptor Type 11	Protein Coding	Q06124	62	GC12P112418	29.72747
MIR20A	MicroRNA 20a	RNA Gene		27	GC13P091681	29.68743
CSF2	Colony Stimulating Factor 2	Protein Coding	P04141	54	GC05P132073	29.63332
GATA4	GATA Binding Protein 4	Protein Coding	P43694	58	GC08P011676	29.5444
PHOX2A	Paired Like Homeobox 2A	Protein Coding	O14813	52	GC11M072239	29.53834
ACTA2	Actin Alpha 2, Smooth Muscle	Protein Coding	P62736	56	GC10M088935	29.44347
F2	Coagulation Factor II, Thrombin	Protein Coding	P00734	59	GC11P047736	29.31166
REN	Renin	Protein Coding	P00797	58	GC01M204154	29.30199
CCL18	C-C Motif Chemokine Ligand 18	Protein Coding	P55774	45	GC17P036064	29.24786
HYDIN	HYDIN Axonemal Central Pair Apparatus Protein	Protein Coding	Q4G0P3	47	GC16M073262	29.23155
TGFBR1	Transforming Growth Factor Beta Receptor 1	Protein Coding	P36897	62	GC09P100712	29.19018
TTN	Titin	Protein Coding	Q8WZ42	56	GC02M178525	29.16157
IL18	Interleukin 18	Protein Coding	Q14116	53	GC11M112143	29.15407
MMP2	Matrix Metallopeptidase 2	Protein Coding	P08253	61	GC16P082389	29.12041
SPP1	Secreted Phosphoprotein 1	Protein Coding	P10451	54	GC04P087975	29.09247
MIR22	MicroRNA 22	RNA Gene		29	GC17M001713	28.91106
RPL5	Ribosomal Protein L5	Protein	P46777	56	GC01P092845	28.83019

		Coding				
TGFBR2	Transforming Growth Factor Beta Receptor 2	Protein Coding	P37173	61	GC03P030623	28.81872
TNNI3	Troponin I3, Cardiac Type	Protein Coding	P19429	57	GC19M055151	28.73941
CHD7	Chromodomain Helicase DNA Binding Protein 7	Protein Coding	Q9P2D1	54	GC08P060678	28.71775
SRC	SRC Proto-Oncogene, Non-Receptor Tyrosine Kinase	Protein Coding	P12931	60	GC20P037344	28.64783
TNNT2	Troponin T2, Cardiac Type	Protein Coding	P45379	56	GC01M201359	28.63099
FGF2	Fibroblast Growth Factor 2	Protein Coding	P09038	54	GC04P122826	28.61077
CXCL10	C-X-C Motif Chemokine Ligand 10	Protein Coding	P02778	53	GC04M076021	28.6066
HGF	Hepatocyte Growth Factor	Protein Coding	P14210	60	GC07M081699	28.57053
GNRHR	Gonadotropin Releasing Hormone Receptor	Protein Coding	P30968	56	GC04M067737	28.55171
NFKB1	Nuclear Factor Kappa B Subunit 1	Protein Coding	P19838	61	GC04P102501	28.54636
IL2RA	Interleukin 2 Receptor Subunit Alpha	Protein Coding	P01589	59	GC10M006010	28.2971
SCNN1A	Sodium Channel Epithelial 1 Subunit Alpha	Protein Coding	P37088	58	GC12M006346	28.05552
AGTR1	Angiotensin II Receptor Type 1	Protein Coding	P30556	60	GC03P148697	27.92973
TMEM67	Transmembrane Protein 67	Protein Coding	Q5HYA8	50	GC08P093754	27.85965
SCGB1A1	Secretoglobin Family 1A Member 1	Protein Coding	P11684	50	GC11P062405	27.83429
FASLG	Fas Ligand	Protein Coding	P48023	57	GC01P172659	27.75083
ICAM1	Intercellular Adhesion Molecule 1	Protein	P05362	59	GC19P112296	27.68222

		Coding				
NPPB	Natriuretic Peptide B	Protein Coding	P16860	52	GC01M014525	27.53516
COL3A1	Collagen Type III Alpha 1 Chain	Protein Coding	P02461	56	GC02P188974	27.49675
MT-CO1	Mitochondrially Encoded Cytochrome C Oxidase I	Protein Coding	P00395	41	GCMTP005906	27.39518
MIR155	MicroRNA 155	RNA Gene		29	GC21P025573	27.36535
MIR204	MicroRNA 204	RNA Gene		30	GC09M070809	27.35105
ADCY10	Adenylate Cyclase 10	Protein Coding	Q96PN6	52	GC01M167809	27.33777
PLG	Plasminogen	Protein Coding	P00747	58	GC06P160702	27.28852
JAG1	Jagged Canonical Notch Ligand 1	Protein Coding	P78504	59	GC20M010637	27.24952
MIR30A	MicroRNA 30a	RNA Gene		26	GC06M071403	27.20649
CP	Ceruloplasmin	Protein Coding	P00450	57	GC03M149162	27.13395
BMP1	Bone Morphogenetic Protein 1	Protein Coding	P13497	57	GC08P022165	27.0859
CCL11	C-C Motif Chemokine Ligand 11	Protein Coding	P51671	54	GC17P034285	27.0309
COL1A2	Collagen Type I Alpha 2 Chain	Protein Coding	P08123	56	GC07P094394	26.70775
CCL3	C-C Motif Chemokine Ligand 3	Protein Coding	P10147	50	GC17M036088	26.63935
FGF10	Fibroblast Growth Factor 10	Protein Coding	O15520	56	GC05M044874	26.55318
TGFB2	Transforming Growth Factor Beta 2	Protein Coding	P61812	60	GC01P218345	26.45266
PPARG	Peroxisome Proliferator Activated Receptor Gamma	Protein Coding	P37231	61	GC03P012287	26.3301
DES	Desmin	Protein Coding	P17661	56	GC02P219418	26.0966

MMP7	Matrix Metallopeptidase 7	Protein Coding	P09237	56	GC11M126171	26.07529
CXCR3	C-X-C Motif Chemokine Receptor 3	Protein Coding	P49682	53	GC0XM071615	25.85391
MIR223	MicroRNA 223	RNA Gene		29	GC0XP066018	25.83086
VEGFA	Vascular Endothelial Growth Factor A	Protein Coding	P15692	57	GC06P043770	25.73796
MYBPC3	Myosin Binding Protein C3	Protein Coding	Q14896	55	GC11M125005	25.67892
PIK3CA	Phosphatidylinositol-4,5-Bisphosphate 3-Kinase Catalytic Subunit Alpha	Protein Coding	P42336	61	GC03P179148	25.57474
MIR199A1	MicroRNA 199a-1	RNA Gene		26	GC19M010817	25.55146
HPS5	HPS5 Biogenesis Of Lysosomal Organelles Complex 2 Subunit 2	Protein Coding	Q9UPZ3	49	GC11M018278	25.38994
MIR146B	MicroRNA 146b	RNA Gene		29	GC10P102436	25.38461
MUC5AC	Mucin 5AC, Oligomeric Mucus/Gel-Forming	Protein Coding	P98088	48	GC11P010637	25.32531
NLRP3	NLR Family Pyrin Domain Containing 3	Protein Coding	Q96P20	57	GC01P247416	25.15761
CSF2RB	Colony Stimulating Factor 2 Receptor Subunit Beta	Protein Coding	P32927	53	GC22P036913	25.12033
FLNC	Filamin C	Protein Coding	Q14315	54	GC07P128830	25.11247
CBS	Cystathionine Beta-Synthase	Protein Coding	P35520	60	GC21M043053	25.10713
SCNN1B	Sodium Channel Epithelial 1 Subunit Beta	Protein Coding	P51168	57	GC16P023278	25.09225
HPS6	HPS6 Biogenesis Of Lysosomal Organelles Complex 2 Subunit 3	Protein Coding	Q86YV9	48	GC10P102065	25.06501
PIK3CG	Phosphatidylinositol-4,5-Bisphosphate 3-Kinase Catalytic Subunit Gamma	Protein Coding	P48736	58	GC07P106865	24.97947
COPD	Pulmonary Disease, Chronic Obstructive, Severe Early-Onset	Genetic Locus		6	GC02U900018	24.94529
KCNN4	Potassium Calcium-Activated Channel Subfamily	Protein	O15554	56	GC19M092880	24.9236

	N Member 4	Coding				
SLC26A9	Solute Carrier Family 26 Member 9	Protein Coding	Q7LBE3	46	GC01M205883	24.92173
MMP3	Matrix Metallopeptidase 3	Protein Coding	P08254	59	GC11M102835	24.84881
NOX4	NADPH Oxidase 4	Protein Coding	Q9NPH5	51	GC11M089324	24.84699
CXCR4	C-X-C Motif Chemokine Receptor 4	Protein Coding	P61073	61	GC02M136114	24.845
GJA5	Gap Junction Protein Alpha 5	Protein Coding	P36382	53	GC01M147756	24.80939
DIPK1A	Divergent Protein Kinase Domain 1A	Protein Coding	Q5T7M9	41	GC01M092833	24.75319
PTGS2	Prostaglandin-Endoperoxide Synthase 2	Protein Coding	P35354	58	GC01M186671	24.59591
SLC9A3	Solute Carrier Family 9 Member A3	Protein Coding	P48764	56	GC05M000472	24.48335
AGER	Advanced Glycosylation End-Product Specific Receptor	Protein Coding	Q15109	55	GC06M032180	24.4812
FAS	Fas Cell Surface Death Receptor	Protein Coding	P25445	59	GC10P109381	24.45501
MPL	MPL Proto-Oncogene, Thrombopoietin Receptor	Protein Coding	P40238	56	GC01P043337	24.42809
STX1A	Syntaxin 1A	Protein Coding	Q16623	56	GC07M074496	24.39909
ACE2	Angiotensin Converting Enzyme 2	Protein Coding	Q9BYF1	58	GC0XM015494	24.38058
INPP5E	Inositol Polyphosphate-5-Phosphatase E	Protein Coding	Q9NRR6	50	GC09M136428	24.33579
CEACAM3	CEA Cell Adhesion Molecule 3	Protein Coding	P40198	51	GC19P041796	24.22063
FN1	Fibronectin 1	Protein Coding	P02751	59	GC02M215360	24.20693
MTOR	Mechanistic Target Of Rapamycin Kinase	Protein	P42345	64	GC01M011106	24.18421

		Coding				
CD4	CD4 Molecule	Protein Coding	P01730	59	GC12P006786	24.14594
IL1R1	Interleukin 1 Receptor Type 1	Protein Coding	P14778	56	GC02P102136	24.05169
SOD2-OT1	SOD2 Overlapping Transcript 1	RNA Gene		18	GC06M159772	24.01495
MIRLET7D	MicroRNA Let-7d	RNA Gene		29	GC09P094178	23.98144
IL33	Interleukin 33	Protein Coding	O95760	48	GC09P009214	23.97299
TNXA	Tenascin XA (Pseudogene)	Pseudogene	Q16473	31	GC06M093805	23.94363
KDR	Kinase Insert Domain Receptor	Protein Coding	P35968	62	GC04M055078	23.88513
CSF3	Colony Stimulating Factor 3	Protein Coding	P09919	50	GC17P040015	23.87905
MIR125A	MicroRNA 125a	RNA Gene		29	GC19P113552	23.84457
HPS3	HPS3 Biogenesis Of Lysosomal Organelles Complex 2 Subunit 1	Protein Coding	Q969F9	48	GC03P149129	23.84166
PTPN22	Protein Tyrosine Phosphatase Non-Receptor Type 22	Protein Coding	Q9Y2R2	55	GC01M113813	23.81891
TET2	Tet Methylcytosine Dioxygenase 2	Protein Coding	Q6N021	54	GC04P105145	23.78569
ABCB1	ATP Binding Cassette Subfamily B Member 1	Protein Coding	P08183	60	GC07M087504	23.78156
CC2D2A	Coiled-Coil And C2 Domain Containing 2A	Protein Coding	Q9P2K1	49	GC04P024665	23.70619
MMP12	Matrix Metallopeptidase 12	Protein Coding	P39900	55	GC11M102862	23.63848
PRTN3	Proteinase 3	Protein Coding	P24158	54	GC19P000840	23.58831
MIR34C	MicroRNA 34c	RNA Gene		29	GC11P112480	23.5761
TUG1	Taurine Up-Regulated 1	Protein Coding	A0A6I8PU40	32	GC22P030969	23.54308
KRAS	KRAS Proto-Oncogene, GTPase	Protein	P01116	61	GC12M029682	23.46515

		Coding				
MIR143	MicroRNA 143	RNA Gene		31	GC05P152355	23.35448
NPPA	Natriuretic Peptide A	Protein Coding	P01160	53	GC01M014524	23.31231
ADRB2	Adrenoceptor Beta 2	Protein Coding	P07550	57	GC05P152320	23.24468
MIR140	MicroRNA 140	RNA Gene		31	GC16P083017	23.23541
SCNN1G	Sodium Channel Epithelial 1 Subunit Gamma	Protein Coding	P51170	56	GC16P023182	23.23076
MTHFR	Methylenetetrahydrofolate Reductase	Protein Coding	P42898	56	GC01M011785	23.22272
POSTN	Periostin	Protein Coding	Q15063	51	GC13M037562	23.2143
STAT4	Signal Transducer And Activator Of Transcription 4	Protein Coding	Q14765	55	GC02M191029	23.12247
BMP7	Bone Morphogenetic Protein 7	Protein Coding	P18075	55	GC20M057168	23.11427
CERNA3	Competing Endogenous LncRNA 3 For MiR-645	RNA Gene		19	GC08P056323	23.11107
LGALS3	Galectin 3	Protein Coding	P17931	53	GC14P055124	23.07331
SOS1	SOS Ras/Rac Guanine Nucleotide Exchange Factor 1	Protein Coding	Q07889	60	GC02M039266	23.06361
CTLA4	Cytotoxic T-Lymphocyte Associated Protein 4	Protein Coding	P16410	57	GC02P203866	23.05861
HLA-DQA1	Major Histocompatibility Complex, Class II, DQ Alpha 1	Protein Coding	P01909	51	GC06P134852	23.03254
MYH6	Myosin Heavy Chain 6	Protein Coding	P13533	55	GC14M023381	22.99577
ELMOD2	ELMO Domain Containing 2	Protein Coding	Q8IZ81	43	GC04P140524	22.85519
HFE-AS1	HFE Antisense RNA 1	RNA Gene		17	GC06M026085	22.85304
SOD1	Superoxide Dismutase 1	Protein Coding	P00441	61	GC21P031659	22.83404

FENDRR	FOXF1 Adjacent Non-Coding Developmental Regulatory RNA	RNA Gene		26	GC16M086511	22.71274
KCNMA1	Potassium Calcium-Activated Channel Subfamily M Alpha 1	Protein Coding	Q12791	57	GC10M076869	22.66191
NHLRC2	NHL Repeat Containing 2	Protein Coding	Q8NBF2	43	GC10P113854	22.59979
PKHD1	PKHD1 Ciliary IPT Domain Containing Fibrocystin/Polyductin	Protein Coding	P08F94	47	GC06M094108	22.53131
ANKRD1	Ankyrin Repeat Domain 1	Protein Coding	Q15327	50	GC10M090912	22.48572
KRT18	Keratin 18	Protein Coding	P05783	58	GC12P052948	22.34869
TBX5	T-Box Transcription Factor 5	Protein Coding	Q99593	54	GC12M114353	22.31261
F5	Coagulation Factor V	Protein Coding	P12259	56	GC01M169511	22.23062
JUN	Jun Proto-Oncogene, AP-1 Transcription Factor Subunit	Protein Coding	P05412	58	GC01M058780	22.14649
GSTM3	Glutathione S-Transferase Mu 3	Protein Coding	P21266	54	GC01M109733	22.14073
INS	Insulin	Protein Coding	P01308	56	GC11M002159	22.12576
SLC6A14	Solute Carrier Family 6 Member 14	Protein Coding	Q9UN76	48	GC0XP116436	22.07926
GSTM1	Glutathione S-Transferase Mu 1	Protein Coding	P09488	51	GC01P109687	22.07538
VCAM1	Vascular Cell Adhesion Molecule 1	Protein Coding	P19320	55	GC01P100719	22.00473
SPINK1	Serine Peptidase Inhibitor Kazal Type 1	Protein Coding	P00995	51	GC05M147825	21.98495
RHOA	Ras Homolog Family Member A	Protein Coding	P61586	59	GC03M049359	21.90803
IL2RB	Interleukin 2 Receptor Subunit Beta	Protein Coding	P14784	59	GC22M077093	21.81434

HMGB1	High Mobility Group Box 1	Protein Coding	P09429	57	GC13M030456	21.79092
DYNC2H1	Dynein Cytoplasmic 2 Heavy Chain 1	Protein Coding	Q8NCM8	47	GC11P103109	21.78725
CALR	Calreticulin	Protein Coding	P27797	60	GC19P012938	21.76862
FGF7	Fibroblast Growth Factor 7	Protein Coding	P21781	52	GC15P049423	21.73069
CCL4	C-C Motif Chemokine Ligand 4	Protein Coding	P13236	50	GC17P036103	21.68405
LOX	Lysyl Oxidase	Protein Coding	P28300	56	GC05M122063	21.64688
FGF8	Fibroblast Growth Factor 8	Protein Coding	P55075	57	GC10M101770	21.64109
RPGRIP1L	RPGRIP1 Like	Protein Coding	Q68CZ1	51	GC16M053701	21.60795
BMP2	Bone Morphogenetic Protein 2	Protein Coding	P12643	55	GC20P006767	21.57006
PLAT	Plasminogen Activator, Tissue Type	Protein Coding	P00750	58	GC08M042174	21.56986
MMP8	Matrix Metallopeptidase 8	Protein Coding	P22894	56	GC11M126172	21.56498
SHOX	SHOX Homeobox	Protein Coding	O15266	47	GC0XP000624	21.52517
CHI3L1	Chitinase 3 Like 1	Protein Coding	P36222	54	GC01M203148	21.51844
GSTP1	Glutathione S-Transferase Pi 1	Protein Coding	P09211	59	GC11P067583	21.48288
GREM1	Gremlin 1, DAN Family BMP Antagonist	Protein Coding	O60565	52	GC15P156897	21.43737
CDH1	Cadherin 1	Protein Coding	P12830	58	GC16P068737	21.35125
ACTA1	Actin Alpha 1, Skeletal Muscle	Protein Coding	P68133	56	GC01M230217	21.27216

BCL2	BCL2 Apoptosis Regulator	Protein Coding	P10415	59	GC18M063123	21.13803
TTN-AS1	TTN Antisense RNA 1	RNA Gene		25	GC02P178521	21.09043
PROKR2	Prokineticin Receptor 2	Protein Coding	Q8NFJ6	50	GC20M009757	21.05921
EGF	Epidermal Growth Factor	Protein Coding	P01133	60	GC04P109912	21.04422
OAS1	2'-5'-Oligoadenylate Synthetase 1	Protein Coding	P00973	53	GC12P113005	20.87111
ZFPM2	Zinc Finger Protein, FOG Family Member 2	Protein Coding	Q8WW38	48	GC08P104590	20.83995
MIR335	MicroRNA 335	RNA Gene		27	GC07P130496	20.70353
TLR2	Toll Like Receptor 2	Protein Coding	O60603	61	GC04P153684	20.68711
RAF1	Raf-1 Proto-Oncogene, Serine/Threonine Kinase	Protein Coding	P04049	63	GC03M012583	20.63069
NFE2L2	NFE2 Like BZIP Transcription Factor 2	Protein Coding	Q16236	60	GC02M177227	20.55993
RNASE3	Ribonuclease A Family Member 3	Protein Coding	P12724	49	GC14P020891	20.49201
VWF	Von Willebrand Factor	Protein Coding	P04275	56	GC12M029229	20.47756
SERPINH1	Serpin Family H Member 1	Protein Coding	P50454	55	GC11P075562	20.46582
THBD	Thrombomodulin	Protein Coding	P07204	55	GC20M023026	20.41738
FRMD7	FERM Domain Containing 7	Protein Coding	Q6ZUT3	47	GC0XM132077	20.3567
LEP	Leptin	Protein Coding	P41159	55	GC07P128241	20.32556
HP	Haptoglobin	Protein Coding	P00738	54	GC16P083106	20.30811
CR1	Complement C3b/C4b Receptor 1 (Knops Blood Group)	Protein Coding	P17927	53	GC01P207496	20.2676

BAG3	BAG Cochaperone 3	Protein Coding	O95817	52	GC10P119651	20.23196
CASP3	Caspase 3	Protein Coding	P42574	58	GC04M184627	20.15078
TULP3	TUB Like Protein 3	Protein Coding	O75386	51	GC12P002877	20.147
PTEN	Phosphatase And Tensin Homolog	Protein Coding	P60484	61	GC10P109367	20.13924
IGFBP5	Insulin Like Growth Factor Binding Protein 5	Protein Coding	P24593	51	GC02M216672	20.09534
MIR146A	MicroRNA 146a	RNA Gene		29	GC05P160485	20.09363
ALOX5	Arachidonate 5-Lipoxygenase	Protein Coding	P09917	57	GC10P045374	20.08535
SEMA3E	Semaphorin 3E	Protein Coding	O15041	51	GC07M083363	20.07669
SMAD7	SMAD Family Member 7	Protein Coding	O15105	53	GC18M048919	20.07314
VDR	Vitamin D Receptor	Protein Coding	P11473	57	GC12M047841	20.06532
BMP4	Bone Morphogenetic Protein 4	Protein Coding	P12644	58	GC14M053949	20.04136
RET	Ret Proto-Oncogene	Protein Coding	P07949	63	GC10P044403	20.03525
NOD2	Nucleotide Binding Oligomerization Domain Containing 2	Protein Coding	Q9HC29	56	GC16P050693	20.02724
FGF17	Fibroblast Growth Factor 17	Protein Coding	O60258	54	GC08P022071	20.02603
CCL17	C-C Motif Chemokine Ligand 17	Protein Coding	Q92583	48	GC16P082516	20.01726
SLC34A1	Solute Carrier Family 34 Member 1	Protein Coding	Q06495	53	GC05P186655	19.98701
F3	Coagulation Factor III, Tissue Factor	Protein Coding	P13726	54	GC01M094873	19.9324
GBA1	Glucosylceramidase Beta 1	Protein	P04062	58	GC01M161111	19.93165

		Coding				
SPARC	Secreted Protein Acidic And Cysteine Rich	Protein Coding	P09486	58	GC05M151661	19.91411
CXCR2	C-X-C Motif Chemokine Receptor 2	Protein Coding	P25025	59	GC02P218125	19.82306
S100A9	S100 Calcium Binding Protein A9	Protein Coding	P06702	53	GC01P153357	19.74917
SERPINC1	Serpin Family C Member 1	Protein Coding	P01008	59	GC01M174949	19.71114
CDKN1A	Cyclin Dependent Kinase Inhibitor 1A	Protein Coding	P38936	58	GC06P134985	19.68632
CXCL12	C-X-C Motif Chemokine Ligand 12	Protein Coding	P48061	54	GC10M044370	19.6591
HBB	Hemoglobin Subunit Beta	Protein Coding	P68871	54	GC11M012029	19.60034
PKD1	Polycystin 1, Transient Receptor Potential Channel Interacting	Protein Coding	P98161	54	GC16M020311	19.58567
LINC02605	Long Intergenic Non-Protein Coding RNA 2605	RNA Gene		18	GC08P078838	19.58428
CXCL5	C-X-C Motif Chemokine Ligand 5	Protein Coding	P42830	48	GC04M073995	19.51869
SELP	Selectin P	Protein Coding	P16109	54	GC01M169558	19.49024
KNG1	Kininogen 1	Protein Coding	P01042	56	GC03P186717	19.42598
MYL2	Myosin Light Chain 2	Protein Coding	P10916	57	GC12M110910	19.40528
ABCB4	ATP Binding Cassette Subfamily B Member 4	Protein Coding	P21439	55	GC07M087365	19.40393
MIR142	MicroRNA 142	RNA Gene		29	GC17M058331	19.36391
MIR29A	MicroRNA 29a	RNA Gene		29	GC07M130876	19.36342
MIR34A	MicroRNA 34a	RNA Gene		29	GC01M014460	19.30556
PECAM1	Platelet And Endothelial Cell Adhesion Molecule 1	Protein Coding	P16284	50	GC17M064319	19.24781

ADA	Adenosine Deaminase	Protein Coding	P00813	60	GC20M044620	19.17244
S100A4	S100 Calcium Binding Protein A4	Protein Coding	P26447	53	GC01M153543	19.15961
S100A8	S100 Calcium Binding Protein A8	Protein Coding	P05109	51	GC01M160881	19.15424
CDKN2A	Cyclin Dependent Kinase Inhibitor 2A	Protein Coding	Q8N726	60	GC09M021967	19.13529
TGFB3	Transforming Growth Factor Beta 3	Protein Coding	P10600	56	GC14M075958	19.12478
PDGFA	Platelet Derived Growth Factor Subunit A	Protein Coding	P04085	53	GC07M000497	19.09952
CCR4	C-C Motif Chemokine Receptor 4	Protein Coding	P51679	54	GC03P032951	19.08802
GPT	Glutamic--Pyruvic Transaminase	Protein Coding	P24298	51	GC08P144502	19.08451
CXCL9	C-X-C Motif Chemokine Ligand 9	Protein Coding	Q07325	48	GC04M076001	19.04992
STAT1	Signal Transducer And Activator Of Transcription 1	Protein Coding	P42224	61	GC02M190908	19.04958
IL9	Interleukin 9	Protein Coding	P15248	52	GC05M135891	19.01795
CD44	CD44 Molecule (IN Blood Group)	Protein Coding	P16070	57	GC11P035139	18.95678
SIRT1	Sirtuin 1	Protein Coding	Q96EB6	58	GC10P067884	18.93071
RYR2	Ryanodine Receptor 2	Protein Coding	Q92736	55	GC01P237042	18.91879
FLT4	Fms Related Receptor Tyrosine Kinase 4	Protein Coding	P35916	61	GC05M182574	18.87511
CDKN2B-AS1	CDKN2B Antisense RNA 1	RNA Gene		31	GC09P021994	18.85538
WT1	WT1 Transcription Factor	Protein Coding	P19544	56	GC11M032365	18.8236
NOS1	Nitric Oxide Synthase 1	Protein	P29475	58	GC12M117208	18.80232

		Coding				
DMD	Dystrophin	Protein Coding	P11532	54	GC0XM031097	18.78058
HLA-DPB1	Major Histocompatibility Complex, Class II, DP Beta 1	Protein Coding	P04440	53	GC06P134859	18.72575
GFI1	Growth Factor Independent 1 Transcriptional Repressor	Protein Coding	Q99684	50	GC01M092474	18.71027
IL11	Interleukin 11	Protein Coding	P20809	50	GC19M055364	18.6918
MIR214	MicroRNA 214	RNA Gene		29	GC01M172234	18.68976
ITGAM	Integrin Subunit Alpha M	Protein Coding	P11215	56	GC16P081706	18.68384
MIR133B	MicroRNA 133b	RNA Gene		29	GC06P052148	18.65853
CXCL1	C-X-C Motif Chemokine Ligand 1	Protein Coding	P09341	52	GC04P073869	18.64615
CCL22	C-C Motif Chemokine Ligand 22	Protein Coding	O00626	46	GC16P082508	18.63944
RYR1	Ryanodine Receptor 1	Protein Coding	P21817	56	GC19P113006	18.61945
SGCB	Sarcoglycan Beta	Protein Coding	Q16585	49	GC04M052019	18.60558
KCNA5	Potassium Voltage-Gated Channel Subfamily A Member 5	Protein Coding	P22460	54	GC12P005043	18.58725
DCN	Decorin	Protein Coding	P07585	56	GC12M091140	18.58128
CXCR1	C-X-C Motif Chemokine Receptor 1	Protein Coding	P25024	52	GC02M218162	18.54627
MIR193A	MicroRNA 193a	RNA Gene		27	GC17P031559	18.48611
CD34	CD34 Molecule	Protein Coding	P28906	54	GC01M207880	18.45055
TNFRSF1A	TNF Receptor Superfamily Member 1A	Protein Coding	P19438	59	GC12M006328	18.44062
TNFRSF11B	TNF Receptor Superfamily Member 11b	Protein Coding	O00300	56	GC08M118923	18.34596

MIR486-1	MicroRNA 486-1	RNA Gene		26	GC08M041660	18.31102
CD163	CD163 Molecule	Protein Coding	Q86VB7	53	GC12M029352	18.27756
CTC1	CST Telomere Replication Complex Component 1	Protein Coding	Q2NKJ3	46	GC17M075333	18.27411
GRP	Gastrin Releasing Peptide	Protein Coding	P07492	50	GC18P059220	18.21893
THPO	Thrombopoietin	Protein Coding	P40225	52	GC03M184371	18.16613
ACTG2	Actin Gamma 2, Smooth Muscle	Protein Coding	P63267	51	GC02P073892	18.15862
CHIT1	Chitinase 1	Protein Coding	Q13231	53	GC01M203213	18.14757
GNRH1	Gonadotropin Releasing Hormone 1	Protein Coding	P01148	50	GC08M025419	18.13332
POLG	DNA Polymerase Gamma, Catalytic Subunit	Protein Coding	P54098	56	GC15M148631	18.12533
MIR126	MicroRNA 126	RNA Gene		29	GC09P136670	18.09019
IFIH1	Interferon Induced With Helicase C Domain 1	Protein Coding	Q9BYX4	57	GC02M162267	18.08206
DTNBP1	Dystrobrevin Binding Protein 1	Protein Coding	Q96EV8	51	GC06M015593	18.08002
ACD	ACD Shelterin Complex Subunit And Telomerase Recruitment Factor	Protein Coding	Q96AP0	50	GC16M067658	18.07976
MIR150	MicroRNA 150	RNA Gene		29	GC19M049500	18.01826
PLXND1	Plexin D1	Protein Coding	Q9Y4D7	50	GC03M129555	17.99074
CCR2	C-C Motif Chemokine Receptor 2	Protein Coding	P41597	53	GC03P057394	17.98694
MAPK3	Mitogen-Activated Protein Kinase 3	Protein Coding	P27361	58	GC16M044057	17.94738
CD8A	CD8 Subunit Alpha	Protein Coding	P01732	56	GC02M086784	17.94669
MT-CO2	Mitochondrially Encoded Cytochrome C Oxidase II	Protein	P00403	42	GCMTP007587	17.92932

		Coding				
VIP	Vasoactive Intestinal Peptide	Protein Coding	P01282	53	GC06P152750	17.8591
LTA	Lymphotoxin Alpha	Protein Coding	P01374	52	GC06P134818	17.84433
MIRLET7C	MicroRNA Let-7c	RNA Gene		29	GC21P018103	17.81986
MYH11	Myosin Heavy Chain 11	Protein Coding	P35749	55	GC16M020946	17.78786
PRSS1	Serine Protease 1	Protein Coding	P07477	52	GC07P157883	17.7089
MYPN	Myopalladin	Protein Coding	Q86TC9	50	GC10P068106	17.69874
TGFA	Transforming Growth Factor Alpha	Protein Coding	P01135	54	GC02M070447	17.66204
ENPP2	Ectonucleotide Pyrophosphatase/Phosphodiesterase 2	Protein Coding	Q13822	53	GC08M119556	17.6226
GJA1	Gap Junction Protein Alpha 1	Protein Coding	P17302	59	GC06P136245	17.52706
CCR7	C-C Motif Chemokine Receptor 7	Protein Coding	P32248	53	GC17M077631	17.47346
ABCC8	ATP Binding Cassette Subfamily C Member 8	Protein Coding	Q09428	54	GC11M017392	17.42413
SOD2	Superoxide Dismutase 2	Protein Coding	P04179	56	GC06M159669	17.39713
MGST1	Microsomal Glutathione S-Transferase 1	Protein Coding	P10620	50	GC12P016347	17.30831
SOCS1	Suppressor Of Cytokine Signaling 1	Protein Coding	O15524	54	GC16M020752	17.21942
SMPD1	Sphingomyelin Phosphodiesterase 1	Protein Coding	P17405	57	GC11P006390	17.18245
LPAR1	Lysophosphatidic Acid Receptor 1	Protein Coding	Q92633	54	GC09M110873	17.16731
IRF5	Interferon Regulatory Factor 5	Protein Coding	Q13568	55	GC07P128937	17.08357

CD40LG	CD40 Ligand	Protein Coding	P29965	59	GC0XP136649	17.06864
MIAT	Myocardial Infarction Associated Transcript	RNA Gene		32	GC22P026646	17.05014
PDE5A	Phosphodiesterase 5A	Protein Coding	O76074	54	GC04M119494	17.02053
KIT	KIT Proto-Oncogene, Receptor Tyrosine Kinase	Protein Coding	P10721	62	GC04P054657	17.01358
IFNA1	Interferon Alpha 1	Protein Coding	P01562	48	GC09P021770	16.99194
SELE	Selectin E	Protein Coding	P16581	53	GC01M169722	16.97363
MAPK14	Mitogen-Activated Protein Kinase 14	Protein Coding	Q16539	60	GC06P134977	16.95888
PDE4A	Phosphodiesterase 4A	Protein Coding	P27815	54	GC19P010416	16.92943
EDNRB	Endothelin Receptor Type B	Protein Coding	P24530	59	GC13M077895	16.90575
ANOS1	Anosmin 1	Protein Coding	P23352	48	GC0XM008528	16.89192
LINC01672	Long Intergenic Non-Protein Coding RNA 1672	RNA Gene		19	GC01P020797	16.80665
MIR30D	MicroRNA 30d	RNA Gene		24	GC08M134804	16.78265
VIM	Vimentin	Protein Coding	P08670	60	GC10P017227	16.78185
WNT5A	Wnt Family Member 5A	Protein Coding	P41221	60	GC03M055465	16.75726
EPO	Erythropoietin	Protein Coding	P01588	52	GC07P100720	16.70746
PTPRC	Protein Tyrosine Phosphatase Receptor Type C	Protein Coding	P08575	61	GC01P198607	16.68297
FHIT	Fragile Histidine Triad Diadenosine Triphosphatase	Protein Coding	P49789	52	GC03M059747	16.6364
NRAS	NRAS Proto-Oncogene, GTPase	Protein Coding	P01111	59	GC01M114704	16.55303
LOXL2	Lysyl Oxidase Like 2	Protein	Q9Y4K0	54	GC08M023296	16.5266

		Coding				
FOXP3	Forkhead Box P3	Protein Coding	Q9BZS1	56	GC0XM049250	16.5118
XDH	Xanthine Dehydrogenase	Protein Coding	P47989	56	GC02M031334	16.48633
UNC119	Unc-119 Lipid Binding Chaperone	Protein Coding	Q13432	51	GC17M028546	16.47921
GLA	Galactosidase Alpha	Protein Coding	P06280	58	GC0XM101393	16.43504
MAPK1	Mitogen-Activated Protein Kinase 1	Protein Coding	P28482	61	GC22M021759	16.36661
ADIPOQ	Adiponectin, C1Q And Collagen Domain Containing	Protein Coding	Q15848	55	GC03P186842	16.36646
CDH2	Cadherin 2	Protein Coding	P19022	60	GC18M034101	16.35676
CALCA	Calcitonin Related Polypeptide Alpha	Protein Coding	P06881	52	GC11M014966	16.34473
SLC6A4	Solute Carrier Family 6 Member 4	Protein Coding	P31645	57	GC17M030194	16.32639
KIF15	Kinesin Family Member 15	Protein Coding	Q9NS87	46	GC03P057364	16.31637
MIR200B	MicroRNA 200b	RNA Gene		28	GC01P001167	16.27146
TCAP	Titin-Cap	Protein Coding	O15273	50	GC17P112229	16.26122
AGTR2	Angiotensin II Receptor Type 2	Protein Coding	P50052	52	GC0XP116170	16.25928
MT-CO3	Mitochondrially Encoded Cytochrome C Oxidase III	Protein Coding	P00414	39	GCMTP009209	16.25124
HLA-A	Major Histocompatibility Complex, Class I, A	Protein Coding	P04439	54	GC06P134779	16.21701
KRT7	Keratin 7	Protein Coding	P08729	51	GC12P052232	16.17835
TSC2	TSC Complex Subunit 2	Protein Coding	P49815	60	GC16P080239	16.17398

VCL	Vinculin	Protein Coding	P18206	56	GC10P073995	16.17005
SCN4A	Sodium Voltage-Gated Channel Alpha Subunit 4	Protein Coding	P35499	54	GC17M063938	16.15036
ADM	Adrenomedullin	Protein Coding	P35318	54	GC11P011175	16.12541
NIPBL	NIPBL Cohesin Loading Factor	Protein Coding	Q6KC79	52	GC05P036876	16.09518
NLRC4	NLR Family CARD Domain Containing 4	Protein Coding	Q9NPP4	52	GC02M032224	16.05328
CCR5	C-C Motif Chemokine Receptor 5	Protein Coding	P51681	56	GC03P057395	16.03801
HRAS	HRas Proto-Oncogene, GTPase	Protein Coding	P01112	61	GC11M011817	16.03252
HSPA4	Heat Shock Protein Family A (Hsp70) Member 4	Protein Coding	P34932	52	GC05P133062	15.99017
PLAU	Plasminogen Activator, Urokinase	Protein Coding	P00749	60	GC10P073909	15.98286
CSF1	Colony Stimulating Factor 1	Protein Coding	P09603	53	GC01P109911	15.97718
WRAP53	WD Repeat Containing Antisense To TP53	Protein Coding	Q9BUR4	50	GC17P111193	15.92371
IL12B	Interleukin 12B	Protein Coding	P29460	54	GC05M159314	15.91749
PLN	Phospholamban	Protein Coding	P26678	53	GC06P118548	15.91014
GSN	Gelsolin	Protein Coding	P06396	58	GC09P121201	15.90705
RBM20	RNA Binding Motif Protein 20	Protein Coding	Q5T481	44	GC10P111536	15.87754
BMPR1B	Bone Morphogenetic Protein Receptor Type 1B	Protein Coding	O00238	57	GC04P094757	15.86518
HSP90AA1	Heat Shock Protein 90 Alpha Family Class A Member 1	Protein Coding	P07900	60	GC14M102080	15.86292

MIR409	MicroRNA 409	RNA Gene		26	GC14P116762	15.84449
CCN4	Cellular Communication Network Factor 4	Protein Coding	O95388	47	GC08P133192	15.83685
MIR145	MicroRNA 145	RNA Gene		30	GC05P149430	15.83439
TMX2-CTNND1	TMX2-CTNND1 Readthrough (NMD Candidate)	RNA Gene		23	GC11P057712	15.83082
SLPI	Secretory Leukocyte Peptidase Inhibitor	Protein Coding	P03973	50	GC20M045252	15.81721
MIR499A	MicroRNA 499a	RNA Gene		29	GC20P034990	15.79002
GC	GC Vitamin D Binding Protein	Protein Coding	P02774	53	GC04M071741	15.78054
LAMP2	Lysosomal Associated Membrane Protein 2	Protein Coding	P13473	54	GC0XM120426	15.76156
TBX20	T-Box Transcription Factor 20	Protein Coding	Q9UMR3	51	GC07M035237	15.73607
HCK	HCK Proto-Oncogene, Src Family Tyrosine Kinase	Protein Coding	P08631	56	GC20P032052	15.70988
SMARCA4	SWI/SNF Related, Matrix Associated, Actin Dependent Regulator Of Chromatin, Subfamily A, Member 4	Protein Coding	P51532	60	GC19P112312	15.70376
PLA2G2A	Phospholipase A2 Group IIA	Protein Coding	P14555	55	GC01M019975	15.69207
MIR29C	MicroRNA 29c	RNA Gene		25	GC01M207832	15.60899
GAS5	Growth Arrest Specific 5	RNA Gene		31	GC01M173947	15.58117
CEP290	Centrosomal Protein 290	Protein Coding	O15078	50	GC12M088049	15.56747
EMD	Emerin	Protein Coding	P50402	54	GC0XP154379	15.55699
MRC1	Mannose Receptor C-Type 1	Protein Coding	P22897	48	GC10P017809	15.51338
DICER1	Dicer 1, Ribonuclease III	Protein Coding	Q9UPY3	57	GC14M095086	15.51204
S100A1	S100 Calcium Binding Protein A1	Protein Coding	P23297	48	GC01P153627	15.50953

ABCC9	ATP Binding Cassette Subfamily C Member 9	Protein Coding	O60706	54	GC12M021797	15.49182
SDHA	Succinate Dehydrogenase Complex Flavoprotein Subunit A	Protein Coding	P31040	57	GC05P000229	15.48438
GATA5	GATA Binding Protein 5	Protein Coding	Q9BWX5	47	GC20M062581	15.48005
CD274	CD274 Molecule	Protein Coding	Q9NZQ7	54	GC09P005450	15.47126
MIR130A	MicroRNA 130a	RNA Gene		29	GC11P057641	15.40036
LAMA2	Laminin Subunit Alpha 2	Protein Coding	P24043	53	GC06P136404	15.39043
IFNGR1	Interferon Gamma Receptor 1	Protein Coding	P15260	60	GC06M137197	15.32829
ENPP1	Ectonucleotide Pyrophosphatase/Phosphodiesterase 1	Protein Coding	P22413	58	GC06P131808	15.27646
THY1	Thy-1 Cell Surface Antigen	Protein Coding	P04216	52	GC11M126578	15.27423
ALMS1	ALMS1 Centrosome And Basal Body Associated Protein	Protein Coding	Q8TCU4	49	GC02P073385	15.27182
INSL6	Insulin Like 6	Protein Coding	Q9Y581	42	GC09M004991	15.21615
MIR98	MicroRNA 98	RNA Gene		26	GC0XM053782	15.20891
STAT6	Signal Transducer And Activator Of Transcription 6	Protein Coding	P42226	59	GC12M057095	15.18447
APOE	Apolipoprotein E	Protein Coding	P02649	59	GC19P113251	15.17659
SH2B3	SH2B Adaptor Protein 3	Protein Coding	Q9UQQ2	55	GC12P111405	15.12048
SNHG5	Small Nucleolar RNA Host Gene 5	RNA Gene		28	GC06M085650	15.03716
HOTAIR	HOX Transcript Antisense RNA	RNA Gene		31	GC12M053962	15.03396
ACTN2	Actinin Alpha 2	Protein Coding	P35609	55	GC01P236686	14.98437
NOTCH2	Notch Receptor 2	Protein Coding	Q04721	59	GC01M119911	14.98311

MIR221	MicroRNA 221	RNA Gene		27	GC0XM045746	14.95016
INVS	Inversin	Protein Coding	Q9Y283	53	GC09P100099	14.94948
GLB1	Galactosidase Beta 1	Protein Coding	P16278	57	GC03M032963	14.94506
ADGRV1	Adhesion G Protein-Coupled Receptor V1	Protein Coding	Q8WXG9	50	GC05P090529	14.91495
FGA	Fibrinogen Alpha Chain	Protein Coding	P02671	58	GC04M154583	14.89466
GSTT1	Glutathione S-Transferase Theta 1	Protein Coding	P30711	41	GC22Mi00270	14.87715
MET	MET Proto-Oncogene, Receptor Tyrosine Kinase	Protein Coding	P08581	63	GC07P116672	14.87428
FIP1L1	Factor Interacting With PAPOLA And CPSF1	Protein Coding	Q6UN15	47	GC04P053491	14.87092
ROR2	Receptor Tyrosine Kinase Like Orphan Receptor 2	Protein Coding	Q01974	57	GC09M109394	14.85336
LOXL1	Lysyl Oxidase Like 1	Protein Coding	Q08397	51	GC15P073925	14.78784
MME	Membrane Metalloendopeptidase	Protein Coding	P08473	59	GC03P155024	14.78693
MIR23A	MicroRNA 23a	RNA Gene		28	GC19M092210	14.78667
PRF1	Perforin 1	Protein Coding	P14222	55	GC10M070597	14.75276
LINC-PINT	Long Intergenic Non-Protein Coding RNA, P53 Induced Transcript	RNA Gene	A0A455ZAR2	24	GC07M130795	14.73288
KRT5	Keratin 5	Protein Coding	P13647	54	GC12M052514	14.72244
MIR423	MicroRNA 423	RNA Gene		26	GC17P030117	14.70789
MYOD1	Myogenic Differentiation 1	Protein Coding	P15172	55	GC11P017719	14.69651
WNT7B	Wnt Family Member 7B	Protein Coding	P56706	51	GC22M045920	14.69579
SNAI1	Snail Family Transcriptional Repressor 1	Protein	O95863	53	GC20P049982	14.62233

		Coding				
GATA2	GATA Binding Protein 2	Protein Coding	P23769	57	GC03M128479	14.61087
FLT1	Fms Related Receptor Tyrosine Kinase 1	Protein Coding	P17948	59	GC13M028300	14.60773
TYMS	Thymidylate Synthetase	Protein Coding	P04818	59	GC18P000657	14.60668
TGM2	Transglutaminase 2	Protein Coding	P21980	56	GC20M038127	14.60524
PKD2	Polycystin 2, Transient Receptor Potential Cation Channel	Protein Coding	Q13563	57	GC04P088007	14.59683
SHH	Sonic Hedgehog Signaling Molecule	Protein Coding	Q15465	59	GC07M155799	14.58574
NPHP4	Nephrocystin 4	Protein Coding	O75161	50	GC01M014304	14.5606
WDR11	WD Repeat Domain 11	Protein Coding	Q9BZH6	47	GC10P120851	14.49537
ERBB2	Erb-B2 Receptor Tyrosine Kinase 2	Protein Coding	P04626	63	GC17P039687	14.48361
SCGB3A2	Secretoglobin Family 3A Member 2	Protein Coding	Q96PL1	46	GC05P147870	14.4776
C3	Complement C3	Protein Coding	P01024	58	GC19M006677	14.45788
TIMP2	TIMP Metallopeptidase Inhibitor 2	Protein Coding	P16035	50	GC17M078852	14.44857
MIR199B	MicroRNA 199b	RNA Gene		27	GC09M128244	14.42334
GDF15	Growth Differentiation Factor 15	Protein Coding	Q99988	52	GC19P112633	14.37555
NAT2	N-Acetyltransferase 2	Protein Coding	P11245	51	GC08P018391	14.3728
HHIP	Hedgehog Interacting Protein	Protein Coding	Q96QV1	49	GC04P144645	14.28774
PRKN	Parkin RBR E3 Ubiquitin Protein Ligase	Protein Coding	O60260	58	GC06M161348	14.26693

MIR210	MicroRNA 210	RNA Gene		28	GC11M011821	14.23506
FBN2	Fibrillin 2	Protein Coding	P35556	51	GC05M128257	14.21937
BLOC1S5	Biogenesis Of Lysosomal Organelles Complex 1 Subunit 5	Protein Coding	Q8TDH9	45	GC06M008014	14.1923
B2M	Beta-2-Microglobulin	Protein Coding	P61769	59	GC15P044711	14.15919
ANGPT2	Angiopoietin 2	Protein Coding	O15123	58	GC08M006499	14.1578
MIR708	MicroRNA 708	RNA Gene		26	GC11M079402	14.15295
ASAH1	N-Acylsphingosine Amidohydrolase 1	Protein Coding	Q13510	57	GC08M018055	14.14842
DSG2	Desmoglein 2	Protein Coding	Q14126	54	GC18P031498	14.13367
FGF9	Fibroblast Growth Factor 9	Protein Coding	P31371	53	GC13P021671	14.1248
CYP24A1	Cytochrome P450 Family 24 Subfamily A Member 1	Protein Coding	Q07973	55	GC20M054153	14.09593
PRKG1	Protein Kinase CGMP-Dependent 1	Protein Coding	Q13976	59	GC10P050991	14.00864
MHRT	Myosin Heavy Chain Associated RNA Transcript	RNA Gene		20	GC14P047359	13.96038
CACNA1C	Calcium Voltage-Gated Channel Subunit Alpha1 C	Protein Coding	Q13936	58	GC12P001970	13.94534
IGFBP3	Insulin Like Growth Factor Binding Protein 3	Protein Coding	P17936	55	GC07M045912	13.93465
HS6ST1	Heparan Sulfate 6-O-Sulfotransferase 1	Protein Coding	O60243	50	GC02M128236	13.92534
SGCD	Sarcoglycan Delta	Protein Coding	Q92629	52	GC05P155686	13.9058
TTR	Transthyretin	Protein Coding	P02766	57	GC18P031557	13.86835
AXL	AXL Receptor Tyrosine Kinase	Protein Coding	P30530	60	GC19P041219	13.85472
MIRLET7B	MicroRNA Let-7b	RNA Gene		27	GC22P070828	13.84547

CAT	Catalase	Protein Coding	P04040	60	GC11P034460	13.84201
MIR338	MicroRNA 338	RNA Gene		25	GC17M083631	13.8259
IGF2	Insulin Like Growth Factor 2	Protein Coding	P01344	58	GC11M011904	13.82019
MYL3	Myosin Light Chain 3	Protein Coding	P08590	54	GC03M046836	13.81486
CSRP3	Cysteine And Glycine Rich Protein 3	Protein Coding	P50461	51	GC11M019160	13.80748
NOTCH3	Notch Receptor 3	Protein Coding	Q9UM47	60	GC19M015159	13.77342
BDNF-AS	BDNF Antisense RNA	RNA Gene		29	GC11P027466	13.76452
CXCL2	C-X-C Motif Chemokine Ligand 2	Protein Coding	P19875	48	GC04M074097	13.72246
HSPD1	Heat Shock Protein Family D (Hsp60) Member 1	Protein Coding	P10809	58	GC02M197486	13.71147
RSPO2	R-Spondin 2	Protein Coding	Q6UXX9	49	GC08M107899	13.71121
PTGIR	Prostaglandin I2 Receptor	Protein Coding	P43119	54	GC19M092977	13.67845
ECE1	Endothelin Converting Enzyme 1	Protein Coding	P42892	58	GC01M021217	13.66925
LDB3	LIM Domain Binding 3	Protein Coding	O75112	51	GC10P086666	13.65391
CCR6	C-C Motif Chemokine Receptor 6	Protein Coding	P51684	52	GC06P167111	13.65083
AP3D1	Adaptor Related Protein Complex 3 Subunit Delta 1	Protein Coding	O14617	50	GC19M091744	13.63924
CBL	Cbl Proto-Oncogene	Protein Coding	P22681	59	GC11P119206	13.63803
SOD3	Superoxide Dismutase 3	Protein Coding	P08294	52	GC04P025034	13.6379
BAX	BCL2 Associated X, Apoptosis Regulator	Protein Coding	Q07812	60	GC19P048954	13.62512

EFEMP2	EGF Containing Fibulin Extracellular Matrix Protein 2	Protein Coding	O95967	53	GC11M125412	13.62261
PIEZO2	Piezo Type Mechanosensitive Ion Channel Component 2	Protein Coding	Q9H5I5	47	GC18M010693	13.60686
ACTB	Actin Beta	Protein Coding	P60709	58	GC07M005527	13.59222
KMT2D	Lysine Methyltransferase 2D	Protein Coding	O14686	53	GC12M049018	13.56902
JUP	Junction Plakoglobin	Protein Coding	P14923	58	GC17M041754	13.54376
HSPA1A	Heat Shock Protein Family A (Hsp70) Member 1A	Protein Coding	P0DMV8	55	GC06P134838	13.53724
TAFAZZIN	Tafazzin, Phospholipid-Lysophospholipid Transacylase	Protein Coding	Q16635	50	GC0XP154725	13.53095
ESR1	Estrogen Receptor 1	Protein Coding	P03372	62	GC06P151656	13.51549
MIR99A	MicroRNA 99a	RNA Gene		28	GC21P016539	13.51156
DNAH8	Dynein Axonemal Heavy Chain 8	Protein Coding	Q96JB1	47	GC06P135004	13.49149
CD80	CD80 Molecule	Protein Coding	P33681	52	GC03M119524	13.48915
GAA	Alpha Glucosidase	Protein Coding	P10253	59	GC17P080101	13.48743
IL3	Interleukin 3	Protein Coding	P08700	54	GC05P132060	13.47774
TLR9	Toll Like Receptor 9	Protein Coding	Q9NR96	54	GC03M053878	13.45054
ANGPT1	Angiopoietin 1	Protein Coding	Q15389	54	GC08M107246	13.44215
BLOC1S6	Biogenesis Of Lysosomal Organelles Complex 1 Subunit 6	Protein Coding	Q9UL45	47	GC15P157245	13.43841
MIR494	MicroRNA 494	RNA Gene		24	GC14P116771	13.42947
LOC126806425	BRD4-Independent Group 4 Enhancer GRCh37_chr2:179471933-179473132	Functional Element		8	GC02P178607	13.42299

PDCD1	Programmed Cell Death 1	Protein Coding	Q15116	56	GC02M241849	13.42017
MIR26A1	MicroRNA 26a-1	RNA Gene		28	GC03P037969	13.4065
SST	Somatostatin	Protein Coding	P61278	50	GC03M187668	13.39459
ABCB11	ATP Binding Cassette Subfamily B Member 11	Protein Coding	O95342	55	GC02M168922	13.38498
MIR27B	MicroRNA 27b	RNA Gene		28	GC09P100480	13.37047
RBP4	Retinol Binding Protein 4	Protein Coding	P02753	54	GC10M093591	13.36297
ATM	ATM Serine/Threonine Kinase	Protein Coding	Q13315	61	GC11P108223	13.36124
TF	Transferrin	Protein Coding	P02787	59	GC03P139072	13.35809
ADRB1	Adrenoceptor Beta 1	Protein Coding	P08588	57	GC10P114046	13.35276
MAPK8	Mitogen-Activated Protein Kinase 8	Protein Coding	P45983	58	GC10P048306	13.33816
NR3C1	Nuclear Receptor Subfamily 3 Group C Member 1	Protein Coding	P04150	58	GC05M143277	13.32191
MAPT	Microtubule Associated Protein Tau	Protein Coding	P10636	59	GC17P045894	13.30407
CCR3	C-C Motif Chemokine Receptor 3	Protein Coding	P51677	54	GC03P057390	13.2971
MIR144	MicroRNA 144	RNA Gene		25	GC17M076393	13.29241
MECOM	MDS1 And EVI1 Complex Locus	Protein Coding	Q03112	56	GC03M169083	13.28607
STING1	Stimulator Of Interferon Response CGAMP Interactor 1	Protein Coding	Q86WV6	50	GC05M139492	13.28495
SERPINB1	Serpin Family B Member 1	Protein Coding	P30740	50	GC06M003730	13.26125
KCNH2	Potassium Voltage-Gated Channel Subfamily H Member 2	Protein Coding	Q12809	59	GC07M150944	13.25614
SHOC2	SHOC2 Leucine Rich Repeat Scaffold Protein	Protein	Q9UQ13	50	GC10P110919	13.22257

		Coding				
EPX	Eosinophil Peroxidase	Protein Coding	P11678	53	GC17P058192	13.19796
CASP8	Caspase 8	Protein Coding	Q14790	61	GC02P201233	13.17559
MAP2K1	Mitogen-Activated Protein Kinase Kinase 1	Protein Coding	Q02750	63	GC15P066386	13.1577
CD247	CD247 Molecule	Protein Coding	P20963	57	GC01M167399	13.14374
STAT5B	Signal Transducer And Activator Of Transcription 5B	Protein Coding	P51692	58	GC17M042199	13.12456
FGF18	Fibroblast Growth Factor 18	Protein Coding	O76093	51	GC05P171419	13.12162
XIST	X Inactive Specific Transcript	RNA Gene		31	GC0XM073820	13.11618
MYC	MYC Proto-Oncogene, BHLH Transcription Factor	Protein Coding	P01106	61	GC08P127735	13.08827
LOC126861898	BRD4-Independent Group 4 Enhancer GRCh37_chr14:23893609-23894808	Functional Element		8	GC14P046649	13.06042
MIR16-1	MicroRNA 16-1	RNA Gene		26	GC13M050048	13.0451
PXDN	Peroxidasin	Protein Coding	Q92626	53	GC02M001635	13.0356
HSPG2	Heparan Sulfate Proteoglycan 2	Protein Coding	P98160	56	GC01M021822	13.00521
LOC110121269	VISTA Enhancer Hs2177	Functional Element		10	GC03P039100	12.99805
DEFA1	Defensin Alpha 1	Protein Coding	P59665	46	GC08M006977	12.98192
DDR1	Discoidin Domain Receptor Tyrosine Kinase 1	Protein Coding	Q08345	54	GC06P134802	12.98018
PIK3CB	Phosphatidylinositol-4,5-Bisphosphate 3-Kinase Catalytic Subunit Beta	Protein Coding	P42338	56	GC03M138652	12.97901
PIK3CD	Phosphatidylinositol-4,5-Bisphosphate 3-Kinase Catalytic Subunit Delta	Protein Coding	O00329	61	GC01P039534	12.97697
PWAR1	Prader Willi/Angelman Region RNA 1	RNA Gene		22	GC15P025135	12.9507

KCNQ1	Potassium Voltage-Gated Channel Subfamily Q Member 1	Protein Coding	P51787	58	GC11P002444	12.93898
CMA1	Chymase 1	Protein Coding	P23946	52	GC14M027103	12.92315
HTR2A	5-Hydroxytryptamine Receptor 2A	Protein Coding	P28223	56	GC13M046831	12.91989
FKTN	Fukutin	Protein Coding	O75072	50	GC09P105558	12.91705
BGLAP	Bone Gamma-Carboxyglutamate Protein	Protein Coding	P02818	49	GC01P156242	12.90218
AR	Androgen Receptor	Protein Coding	P10275	60	GC0XP067544	12.8769
BRCA2	BRCA2 DNA Repair Associated	Protein Coding	P51587	56	GC13P032315	12.86559
FBLN5	Fibulin 5	Protein Coding	Q9UBX5	55	GC14M091869	12.86234
CTRC	Chymotrypsin C	Protein Coding	Q99895	53	GC01P015438	12.85537
LZTR1	Leucine Zipper Like Post Translational Regulator 1	Protein Coding	Q8N653	52	GC22P069991	12.84832
AQP1	Aquaporin 1 (Colton Blood Group)	Protein Coding	P29972	56	GC07P030911	12.84599
LAMC2	Laminin Subunit Gamma 2	Protein Coding	Q13753	55	GC01P183186	12.82328
CX3CR1	C-X3-C Motif Chemokine Receptor 1	Protein Coding	P49238	53	GC03M039279	12.82262
LPL	Lipoprotein Lipase	Protein Coding	P06858	59	GC08P019901	12.80343
MIR342	MicroRNA 342	RNA Gene		27	GC14P100109	12.79597
GAPDH	Glyceraldehyde-3-Phosphate Dehydrogenase	Protein Coding	P04406	59	GC12P038965	12.78812
SMAD5-AS1	SMAD5 Antisense RNA 1	RNA Gene	Q9Y6J3	29	GC05M136129	12.7417
HSPB1	Heat Shock Protein Family B (Small) Member 1	Protein Coding	P04792	60	GC07P076302	12.73787

IGHE	Immunoglobulin Heavy Constant Epsilon	Protein Coding	P01854	40	GC14M119997	12.72846
TNNC1	Troponin C1, Slow Skeletal And Cardiac Type	Protein Coding	P63316	51	GC03M053889	12.72539
GBE1	1,4-Alpha-Glucan Branching Enzyme 1	Protein Coding	Q04446	53	GC03M081489	12.70654
PTX3	Pentraxin 3	Protein Coding	P26022	51	GC03P157436	12.70132
PF4	Platelet Factor 4	Protein Coding	P02776	50	GC04M073980	12.69015
LRBA	LPS Responsive Beige-Like Anchor Protein	Protein Coding	P50851	49	GC04M150264	12.67666
F2R	Coagulation Factor II Thrombin Receptor	Protein Coding	P25116	55	GC05P076716	12.6723
APOH	Apolipoprotein H	Protein Coding	P02749	53	GC17M066212	12.67078
TRIM21	Tripartite Motif Containing 21	Protein Coding	P19474	52	GC11M004384	12.65998
LOC129931597	ATAC-STARR-Seq Lymphoblastoid Silent Region 1421	Functional Element		9	GC01P166164	12.65614
TTC21B	Tetratricopeptide Repeat Domain 21B	Protein Coding	Q7Z4L5	50	GC02M165905	12.65404
LOC106627981	GBA Recombination Region	Functional Element		10	GC01P155233	12.65109
GLI3	GLI Family Zinc Finger 3	Protein Coding	P10071	58	GC07M041960	12.64958
TMEM43	Transmembrane Protein 43	Protein Coding	Q9BTV4	51	GC03P021618	12.64433
NR1H4	Nuclear Receptor Subfamily 1 Group H Member 4	Protein Coding	Q96RI1	56	GC12P100473	12.61258
GHR	Growth Hormone Receptor	Protein Coding	P10912	55	GC05P042429	12.60153
BRCA1	BRCA1 DNA Repair Associated	Protein Coding	P38398	59	GC17M043044	12.58497
ALDH5A1	Aldehyde Dehydrogenase 5 Family Member A1	Protein	P51649	56	GC06P024494	12.57728

		Coding				
NPHS1	NPHS1 Adhesion Molecule, Nephrin	Protein Coding	O60500	55	GC19M035825	12.57408
TRPV4	Transient Receptor Potential Cation Channel Subfamily V Member 4	Protein Coding	Q9HBA0	57	GC12M109783	12.57162
MIR200A	MicroRNA 200a	RNA Gene		27	GC01P020464	12.54358
PROK2	Prokineticin 2	Protein Coding	Q9HC23	50	GC03M071771	12.51577
PRKAG2	Protein Kinase AMP-Activated Non-Catalytic Subunit Gamma 2	Protein Coding	Q9UGJ0	56	GC07M151556	12.49558
CYP2C9	Cytochrome P450 Family 2 Subfamily C Member 9	Protein Coding	P11712	55	GC10P094938	12.48563
CTSG	Cathepsin G	Protein Coding	P08311	53	GC14M024573	12.4575
TSLP	Thymic Stromal Lymphopoietin	Protein Coding	Q969D9	47	GC05P111070	12.44718
LTF	Lactotransferrin	Protein Coding	P02788	54	GC03M046435	12.43151
MT-ND1	Mitochondrially Encoded NADH:Ubiquinone Oxidoreductase Core Subunit 1	Protein Coding	P03886	40	GCMTP003309	12.42825
HTR2B	5-Hydroxytryptamine Receptor 2B	Protein Coding	P41595	52	GC02M231108	12.42496
IL12A	Interleukin 12A	Protein Coding	P29459	52	GC03P159988	12.40986
THBS1	Thrombospondin 1	Protein Coding	P07996	54	GC15P039581	12.39074
RIT1	Ras Like Without CAAX 1	Protein Coding	Q92963	54	GC01M155897	12.38501
POLGARF	POLG Alternative Reading Frame	Protein Coding	A0A3B3IS91	17	GC15M151439	12.36547
NHERF1	NHERF Family PDZ Scaffold Protein 1	Protein Coding	O14745	54	GC17P113095	12.36242
MIR30B	MicroRNA 30b	RNA Gene		29	GC08M134800	12.35376
FLNC-AS1	FLNC Antisense RNA 1	RNA Gene		20	GC07M129065	12.34677

ITGB1	Integrin Subunit Beta 1	Protein Coding	P05556	58	GC10M035774	12.34542
TNFSF11	TNF Superfamily Member 11	Protein Coding	O14788	58	GC13P042562	12.32299
GUSB	Glucuronidase Beta	Protein Coding	P08236	56	GC07M065960	12.31434
SETBP1	SET Binding Protein 1	Protein Coding	Q9Y6X0	51	GC18P044680	12.30635
PSMC3	Proteasome 26S Subunit, ATPase 3	Protein Coding	P17980	53	GC11M125007	12.28291
MGP	Matrix Gla Protein	Protein Coding	P08493	52	GC12M029578	12.25627
MIR27A	MicroRNA 27a	RNA Gene		30	GC19M092209	12.25488
MMP13	Matrix Metallopeptidase 13	Protein Coding	P45452	59	GC11M102942	12.2496
DNASE1	Deoxyribonuclease 1	Protein Coding	P24855	53	GC16P003611	12.24135
CYP1A1	Cytochrome P450 Family 1 Subfamily A Member 1	Protein Coding	P04798	56	GC15M074719	12.21495
TNFRSF1B	TNF Receptor Superfamily Member 1B	Protein Coding	P20333	57	GC01P040409	12.20209
BTNL2	Butyrophilin Like 2	Protein Coding	Q9UIR0	48	GC06M032393	12.19991
TLR3	Toll Like Receptor 3	Protein Coding	O15455	60	GC04P186059	12.19598
IFT140	Intraflagellar Transport 140	Protein Coding	Q96RY7	50	GC16M020275	12.16193
CD79A	CD79a Molecule	Protein Coding	P11912	56	GC19P041877	12.16042
PTCH1	Patched 1	Protein Coding	Q13635	60	GC09M095442	12.15864
CLCN5	Chloride Voltage-Gated Channel 5	Protein Coding	P51795	53	GC0XP049922	12.13663
SERPINA3	Serpin Family A Member 3	Protein	P01011	52	GC14P094612	12.12408

		Coding				
FGF20	Fibroblast Growth Factor 20	Protein Coding	Q9NP95	48	GC08M016992	12.11936
HNF1A	HNF1 Homeobox A	Protein Coding	P20823	55	GC12P120978	12.1129
CHGA	Chromogranin A	Protein Coding	P10645	53	GC14P092990	12.11238
HMGA2	High Mobility Group AT-Hook 2	Protein Coding	P52926	52	GC12P065824	12.09668
CYP2D6	Cytochrome P450 Family 2 Subfamily D Member 6	Protein Coding	P10635	56	GC22M042126	12.08591
TSC1	TSC Complex Subunit 1	Protein Coding	Q92574	56	GC09M132891	12.07624
CHRNA7	Cholinergic Receptor Nicotinic Alpha 7 Subunit	Protein Coding	P36544	53	GC15P031923	12.05898
MYH14	Myosin Heavy Chain 14	Protein Coding	Q7Z406	54	GC19P113478	12.0507
TAB2	TGF-Beta Activated Kinase 1 (MAP3K7) Binding Protein 2	Protein Coding	Q9NYJ8	58	GC06P149218	12.04854
COL2A1	Collagen Type II Alpha 1 Chain	Protein Coding	P02458	58	GC12M047972	12.02654
RPL36A-HNRNPH2	RPL36A-HNRNPH2 Readthrough	Protein Coding		24	GC0XP101398	12.00205
MUC5B-AS1	MUC5B Antisense RNA 1	RNA Gene		16	GC11M001242	11.9918
HDAC2	Histone Deacetylase 2	Protein Coding	Q92769	61	GC06M113933	11.98996
PVT1	Pvt1 Oncogene	RNA Gene		32	GC08P128109	11.98812
CEP85L	Centrosomal Protein 85 Like	Protein Coding	Q5SZL2	45	GC06M118460	11.98013
SLC17A5	Solute Carrier Family 17 Member 5	Protein Coding	Q9NRA2	54	GC06M073593	11.97637
IL12RB1	Interleukin 12 Receptor Subunit Beta 1	Protein Coding	P42701	54	GC19M018058	11.96671
MIR195	MicroRNA 195	RNA Gene		26	GC17M074818	11.96256

TNC	Tenascin C	Protein Coding	P24821	58	GC09M115019	11.96068
KIF5B	Kinesin Family Member 5B	Protein Coding	P33176	54	GC10M035758	11.92173
IL17F	Interleukin 17F	Protein Coding	Q96PD4	51	GC06M094117	11.91756
SERPINE2	Serpin Family E Member 2	Protein Coding	P07093	51	GC02M223975	11.91682
ZIC3	Zic Family Member 3	Protein Coding	O60481	54	GC0XP137566	11.91133
ANXA5	Annexin A5	Protein Coding	P08758	56	GC04M121667	11.89489
ADGRG6	Adhesion G Protein-Coupled Receptor G6	Protein Coding	Q86SQ4	51	GC06P142301	11.88665
MIR188	MicroRNA 188	RNA Gene		24	GC0XP050003	11.88506
EFHC1	EF-Hand Domain Containing 1	Protein Coding	Q5JVL4	50	GC06P052362	11.87545
EZH2	Enhancer Of Zeste 2 Polycomb Repressive Complex 2 Subunit	Protein Coding	Q15910	61	GC07M148807	11.8715
PSEN1	Presenilin 1	Protein Coding	P49768	61	GC14P073136	11.86146
ABCC2	ATP Binding Cassette Subfamily C Member 2	Protein Coding	Q92887	57	GC10P099782	11.82854
MIR132	MicroRNA 132	RNA Gene		29	GC17M002049	11.82232
GGT1	Gamma-Glutamyltransferase 1	Protein Coding	P19440	58	GC22P024583	11.81566
RAC1	Rac Family Small GTPase 1	Protein Coding	P63000	58	GC07P011586	11.80741
CD40	CD40 Molecule	Protein Coding	P25942	59	GC20P046118	11.78995
PTK2	Protein Tyrosine Kinase 2	Protein Coding	Q05397	56	GC08M140657	11.76965
MIR122	MicroRNA 122	RNA Gene		29	GC18P058451	11.74394
PRKCD	Protein Kinase C Delta	Protein	Q05655	60	GC03P053156	11.72478

		Coding				
TRB	T Cell Receptor Beta Locus	Protein Coding	P0DSE2	28	GC07P159548	11.7008
PRL	Prolactin	Protein Coding	P01236	53	GC06M022287	11.69815
NEXN	Nexilin F-Actin Binding Protein	Protein Coding	Q0ZGT2	47	GC01P078022	11.69339
VCP	Valosin Containing Protein	Protein Coding	P55072	58	GC09M035085	11.69306
MIR196A1	MicroRNA 196a-1	RNA Gene		29	GC17M048632	11.67532
MIR200C	MicroRNA 200c	RNA Gene		29	GC12P038995	11.65382
ARSB	Arylsulfatase B	Protein Coding	P15848	55	GC05M078777	11.64838
BBIP1	BBSome Interacting Protein 1	Protein Coding	A8MTZ0	40	GC10M110898	11.64322
TOP2A	DNA Topoisomerase II Alpha	Protein Coding	P11388	59	GC17M040388	11.61672
IFNA2	Interferon Alpha 2	Protein Coding	P01563	52	GC09M021384	11.60751
HLA-G	Major Histocompatibility Complex, Class I, G	Protein Coding	P17693	53	GC06P134763	11.60059
NEBL	Nebulette	Protein Coding	O76041	46	GC10M020779	11.6004
TAC1	Tachykinin Precursor 1	Protein Coding	P20366	50	GC07P097734	11.59433
LYN	LYN Proto-Oncogene, Src Family Tyrosine Kinase	Protein Coding	P07948	58	GC08P055879	11.58117
HAMP	Hepcidin Antimicrobial Peptide	Protein Coding	P81172	52	GC19P112928	11.57285
LRRK2	Leucine Rich Repeat Kinase 2	Protein Coding	Q5S007	58	GC12P040196	11.55716
MYD88	MYD88 Innate Immune Signal Transduction Adaptor	Protein Coding	Q99836	57	GC03P038290	11.55548
EVC2	EvC Ciliary Complex Subunit 2	Protein	Q86UK5	48	GC04M005569	11.54021

		Coding				
DEFB1	Defensin Beta 1	Protein Coding	P60022	47	GC08M006870	11.5029
MT-TI	Mitochondrially Encoded TRNA-Ile (AUU/C)	RNA Gene		19	GCMTP004265	11.50077
LOC129999976	ATAC-STARR-Seq Lymphoblastoid Silent Region 18982	Functional Element		5	GC08P022870	11.48987
MEFV	MEFV Innate Immunity Regulator, Pyrin	Protein Coding	O15553	53	GC16M020459	11.47972
F13A1	Coagulation Factor XIII A Chain	Protein Coding	P00488	56	GC06M006144	11.4783
TERF1	Telomeric Repeat Binding Factor 1	Protein Coding	P54274	50	GC08P073008	11.44427
PNPLA3	Patatin Like Phospholipase Domain Containing 3	Protein Coding	Q9NST1	51	GC22P043923	11.44268
TAP2	Transporter 2, ATP Binding Cassette Subfamily B Member	Protein Coding	Q03519	53	GC06M032821	11.43299
ALDH1A2	Aldehyde Dehydrogenase 1 Family Member A2	Protein Coding	O94788	58	GC15M147868	11.42367
ADAM17	ADAM Metallopeptidase Domain 17	Protein Coding	P78536	59	GC02M009488	11.41234
CEBPB	CCAAT Enhancer Binding Protein Beta	Protein Coding	P17676	53	GC20P050190	11.39503
ADAMTS13	ADAM Metallopeptidase With Thrombospondin Type 1 Motif 13	Protein Coding	Q76LX8	56	GC09P133414	11.36491
ITGB3	Integrin Subunit Beta 3	Protein Coding	P05106	61	GC17P112532	11.36272
SGK1	Serum/Glucocorticoid Regulated Kinase 1	Protein Coding	O00141	58	GC06M134169	11.36269
ATP8B1	ATPase Phospholipid Transporting 8B1	Protein Coding	O43520	48	GC18M057646	11.35887
PROS1	Protein S	Protein Coding	P07225	57	GC03M093873	11.32193
IL6ST	Interleukin 6 Cytokine Family Signal Transducer	Protein Coding	P40189	59	GC05M055935	11.31287

LOC126806423	CDK7 Strongly-Dependent Group 2 Enhancer GRCh37_chr2:179443309-179444508	Functional Element		8	GC02P178579	11.30986
TAC3	Tachykinin Precursor 3	Protein Coding	Q9UHF0	52	GC12M059311	11.27447
COPA	COPI Coat Complex Subunit Alpha	Protein Coding	P53621	51	GC01M160288	11.26377
TMPO	Thymopoietin	Protein Coding	P42166	55	GC12P098515	11.2362
SCN1B	Sodium Voltage-Gated Channel Beta Subunit 1	Protein Coding	Q07699	54	GC19P035030	11.21322
LCN2	Lipocalin 2	Protein Coding	P80188	54	GC09P128149	11.18746
IGF1R	Insulin Like Growth Factor 1 Receptor	Protein Coding	P08069	63	GC15P098648	11.1863
DCLRE1B	DNA Cross-Link Repair 1B	Protein Coding	Q9H816	45	GC01P113905	11.1816
TXN	Thioredoxin	Protein Coding	P10599	55	GC09M110243	11.16014
KRT8	Keratin 8	Protein Coding	P05787	55	GC12M052897	11.15746
IRF1	Interferon Regulatory Factor 1	Protein Coding	P10914	55	GC05M132440	11.1381
PKP2	Plakophilin 2	Protein Coding	Q99959	53	GC12M032790	11.1141
SNORD15A	Small Nucleolar RNA, C/D Box 15A	RNA Gene		23	GC11P075400	11.10277
TNFSF13B	TNF Superfamily Member 13b	Protein Coding	Q9Y275	54	GC13P108251	11.10214
MYLK	Myosin Light Chain Kinase	Protein Coding	Q15746	60	GC03M123610	11.08691
TEK	TEK Receptor Tyrosine Kinase	Protein Coding	Q02763	60	GC09P027109	11.0778
KCNE1	Potassium Voltage-Gated Channel Subfamily E Regulatory Subunit 1	Protein Coding	P15382	54	GC21M034446	11.07632
SELENON	Selenoprotein N	Protein	Q9NZV5	47	GC01P025800	11.0621

		Coding				
LTBP1	Latent Transforming Growth Factor Beta Binding Protein 1	Protein Coding	Q14766	53	GC02P032946	11.05421
TRPC6	Transient Receptor Potential Cation Channel Subfamily C Member 6	Protein Coding	Q9Y210	58	GC11M101451	11.05113
MIR29B1	MicroRNA 29b-1	RNA Gene		28	GC07M130877	11.02278
PITX2	Paired Like Homeodomain 2	Protein Coding	Q99697	55	GC04M110617	11.01235
SP1	Sp1 Transcription Factor	Protein Coding	P08047	55	GC12P053380	11.00222
DNMT1	DNA Methyltransferase 1	Protein Coding	P26358	61	GC19M010133	10.99113
MIR148A	MicroRNA 148a	RNA Gene		27	GC07M025950	10.99093
DKK1	Dickkopf WNT Signaling Pathway Inhibitor 1	Protein Coding	O94907	53	GC10P052314	10.97343
DUSP6	Dual Specificity Phosphatase 6	Protein Coding	Q16828	55	GC12M089347	10.946
KCNQ1OT1	KCNQ1 Opposite Strand/Antisense Transcript 1	RNA Gene		34	GC11M011926	10.94476
BIRC5	Baculoviral IAP Repeat Containing 5	Protein Coding	O15392	55	GC17P078214	10.93011
DEFB4A	Defensin Beta 4A	Protein Coding	O15263	44	GC08P009676	10.92959
BMP10	Bone Morphogenetic Protein 10	Protein Coding	O95393	47	GC02M068865	10.91612
SCN1A	Sodium Voltage-Gated Channel Alpha Subunit 1	Protein Coding	P35498	56	GC02M165989	10.91449
NFATC2	Nuclear Factor Of Activated T Cells 2	Protein Coding	Q13469	55	GC20M051386	10.91444
CD14	CD14 Molecule	Protein Coding	P08571	54	GC05M140631	10.90731
CCND1	Cyclin D1	Protein Coding	P24385	62	GC11P069641	10.89825
ADCYAP1	Adenylate Cyclase Activating Polypeptide 1	Protein Coding	P18509	51	GC18P000895	10.89605

ATF6	Activating Transcription Factor 6	Protein Coding	P18850	57	GC01P161766	10.8815
CDC42	Cell Division Cycle 42	Protein Coding	P60953	59	GC01P022052	10.87358
ARHGAP31	Rho GTPase Activating Protein 31	Protein Coding	Q2M1Z3	51	GC03P119294	10.8713
LOC126805877	MED14-Independent Group 3 Enhancer GRCh37_chr1:156099693-156100892	Functional Element		10	GC01P164644	10.87101
CHRM3	Cholinergic Receptor Muscarinic 3	Protein Coding	P20309	57	GC01P239386	10.86746
TMEM138	Transmembrane Protein 138	Protein Coding	Q9NPI0	46	GC11P088729	10.86023
SBDS	SBDS Ribosome Maturation Factor	Protein Coding	Q9Y3A5	52	GC07M066987	10.83587
MIR378A	MicroRNA 378a	RNA Gene		29	GC05P149732	10.83541
DNAH5	Dynein Axonemal Heavy Chain 5	Protein Coding	Q8TE73	48	GC05M013693	10.79998
CTSD	Cathepsin D	Protein Coding	P07339	61	GC11M001752	10.78995
MIR31	MicroRNA 31	RNA Gene		27	GC09M022147	10.78712
KCNJ2	Potassium Inwardly Rectifying Channel Subfamily J Member 2	Protein Coding	P63252	56	GC17P070168	10.7863
CYP2E1	Cytochrome P450 Family 2 Subfamily E Member 1	Protein Coding	P05181	55	GC10P133520	10.78621
LBP	Lipopolysaccharide Binding Protein	Protein Coding	P18428	52	GC20P038346	10.75957
FLCN	Folliculin	Protein Coding	Q8NFG4	51	GC17M017212	10.74099
HDAC9	Histone Deacetylase 9	Protein Coding	Q9UKV0	58	GC07P018086	10.7385
MAPK7	Mitogen-Activated Protein Kinase 7	Protein Coding	Q13164	56	GC17P111585	10.73478
SOX9	SRY-Box Transcription Factor 9	Protein Coding	P48436	54	GC17P072121	10.73244

LAMA3	Laminin Subunit Alpha 3	Protein Coding	Q16787	52	GC18P023689	10.72212
FSHB	Follicle Stimulating Hormone Subunit Beta	Protein Coding	P01225	53	GC11P030210	10.71909
TMCO1	Transmembrane And Coiled-Coil Domains 1	Protein Coding	Q9UM00	48	GC01M165724	10.71741
LACTB	Lactamase Beta	Protein Coding	P83111	47	GC15P159154	10.71292
XRCC1	X-Ray Repair Cross Complementing 1	Protein Coding	P18887	54	GC19M043543	10.69852
PRKCA	Protein Kinase C Alpha	Protein Coding	P17252	59	GC17P066302	10.69774
VTN	Vitronectin	Protein Coding	P04004	53	GC17M076385	10.68073
EDN3	Endothelin 3	Protein Coding	P14138	54	GC20P059300	10.67095
LOC101927055	Uncharacterized LOC101927055	RNA Gene		13	GC02P178776	10.6655
LOC126806421	CDK7 Strongly-Dependent Group 2 Enhancer GRCh37_chr2:179407630-179408829	Functional Element		8	GC02P178542	10.6655
HSPA5	Heat Shock Protein Family A (Hsp70) Member 5	Protein Coding	P11021	58	GC09M125234	10.64963
RRM2B	Ribonucleotide Reductase Regulatory TP53 Inducible Subunit M2B	Protein Coding	Q7LG56	57	GC08M102204	10.63194
CYBB	Cytochrome B-245 Beta Chain	Protein Coding	P04839	58	GC0XP037780	10.62951
MIR192	MicroRNA 192	RNA Gene		29	GC11M064891	10.62232
IL15	Interleukin 15	Protein Coding	P40933	52	GC04P141636	10.61985
BDNF	Brain Derived Neurotrophic Factor	Protein Coding	P23560	58	GC11M027654	10.6054
ALK	ALK Receptor Tyrosine Kinase	Protein Coding	Q9UM73	59	GC02M029190	10.58197
MMP19	Matrix Metallopeptidase 19	Protein Coding	Q99542	55	GC12M055835	10.57519

DAAM2	Dishevelled Associated Activator Of Morphogenesis 2	Protein Coding	Q86T65	48	GC06P039792	10.57453
ROCK1	Rho Associated Coiled-Coil Containing Protein Kinase 1	Protein Coding	Q13464	58	GC18M034018	10.5662
MEN1	Menin 1	Protein Coding	O00255	54	GC11M064803	10.56145
PIEZO1	Piezo Type Mechanosensitive Ion Channel Component 1 (Er Blood Group)	Protein Coding	Q92508	48	GC16M088715	10.54209
GJD2-DT	GJD2 Divergent Transcript	RNA Gene		19	GC15P156947	10.54206
UPF1	UPF1 RNA Helicase And ATPase	Protein Coding	Q92900	50	GC19P018831	10.54124
POMC	Proopiomelanocortin	Protein Coding	P01189	56	GC02M025160	10.53629
LTBP2	Latent Transforming Growth Factor Beta Binding Protein 2	Protein Coding	Q14767	52	GC14M074498	10.5328
AKAP13	A-Kinase Anchoring Protein 13	Protein Coding	Q12802	51	GC15P158163	10.50767
SLC25A13	Solute Carrier Family 25 Member 13	Protein Coding	Q9UJS0	53	GC07M096120	10.49626
PXDNL	Peroxidasin Like	Protein Coding	A1KZ92	43	GC08M051319	10.49279
HMGCR	3-Hydroxy-3-Methylglutaryl-CoA Reductase	Protein Coding	P04035	56	GC05P075336	10.48755
BPI	Bactericidal Permeability Increasing Protein	Protein Coding	P17213	50	GC20P038304	10.48123
CYP11B2	Cytochrome P450 Family 11 Subfamily B Member 2	Protein Coding	P19099	55	GC08M142910	10.47363
BBS2	Bardet-Biedl Syndrome 2	Protein Coding	Q9BXC9	50	GC16M056467	10.46904
PLA2G6	Phospholipase A2 Group VI	Protein Coding	O60733	55	GC22M078732	10.46877
CDKN3	Cyclin Dependent Kinase Inhibitor 3	Protein Coding	Q16667	51	GC14P054398	10.4678
PCNA	Proliferating Cell Nuclear Antigen	Protein	P12004	59	GC20M005114	10.44503

		Coding				
HBG2	Hemoglobin Subunit Gamma 2	Protein Coding	P69892	50	GC11M012035	10.41931
SLC25A4	Solute Carrier Family 25 Member 4	Protein Coding	P12235	58	GC04P185143	10.40556
HTR1B	5-Hydroxytryptamine Receptor 1B	Protein Coding	P28222	53	GC06M094386	10.39589
EPAS1	Endothelial PAS Domain Protein 1	Protein Coding	Q99814	59	GC02P046293	10.3859
CAV3	Caveolin 3	Protein Coding	P56539	52	GC03P008733	10.37244
MIR483	MicroRNA 483	RNA Gene		27	GC11M011909	10.36566
ACP5	Acid Phosphatase 5, Tartrate Resistant	Protein Coding	P13686	55	GC19M011574	10.36543
DSG2-AS1	DSG2 Antisense RNA 1	RNA Gene		18	GC18M034131	10.36212
EZR	Ezrin	Protein Coding	P15311	54	GC06M158765	10.33069
CYCS	Cytochrome C, Somatic	Protein Coding	P99999	57	GC07M025118	10.32461
SCN8A	Sodium Voltage-Gated Channel Alpha Subunit 8	Protein Coding	Q9UQD0	58	GC12P051590	10.31564
FGF4	Fibroblast Growth Factor 4	Protein Coding	P08620	53	GC11M125587	10.31541
MIR410	MicroRNA 410	RNA Gene		23	GC14P116763	10.31358
MIRLET7E	MicroRNA Let-7e	RNA Gene		26	GC19P113551	10.31004
MECP2	Methyl-CpG Binding Protein 2	Protein Coding	P51608	55	GC0XM154021	10.30888
RPS6KB1	Ribosomal Protein S6 Kinase B1	Protein Coding	P23443	59	GC17P059893	10.3015
TAP1	Transporter 1, ATP Binding Cassette Subfamily B Member	Protein Coding	Q03518	56	GC06M093850	10.29541
PGF	Placental Growth Factor	Protein Coding	P49763	53	GC14M074941	10.29318

MIR124-1	MicroRNA 124-1	RNA Gene		26	GC08M009903	10.29155
ACVR1	Activin A Receptor Type 1	Protein Coding	Q04771	60	GC02M157736	10.28263
MIR320A	MicroRNA 320a	RNA Gene		29	GC08M022306	10.27066
PIK3C2A	Phosphatidylinositol-4-Phosphate 3-Kinase Catalytic Subunit Type 2 Alpha	Protein Coding	O00443	55	GC11M017940	10.2686
IL7	Interleukin 7	Protein Coding	P13232	52	GC08M078689	10.25067
KIF7	Kinesin Family Member 7	Protein Coding	Q2M1P5	48	GC15M089608	10.24133
CKMT1B	Creatine Kinase, Mitochondrial 1B	Protein Coding	P12532	46	GC15P157191	10.23845
FGFR3	Fibroblast Growth Factor Receptor 3	Protein Coding	P22607	63	GC04P003985	10.23623
BLTP1	Bridge-Like Lipid Transfer Protein Family Member 1	Protein Coding	Q2LD37	41	GC04P122154	10.21052
UTS2	Urotensin 2	Protein Coding	O95399	48	GC01M007843	10.18828
PSEN2	Presenilin 2	Protein Coding	P49810	58	GC01P226870	10.18748
USB1	U6 SnRNA Biogenesis Phosphodiesterase 1	Protein Coding	Q9BQ65	42	GC16P057999	10.1834
NR3C2	Nuclear Receptor Subfamily 3 Group C Member 2	Protein Coding	P08235	55	GC04M148078	10.17203
PRSS2	Serine Protease 2	Protein Coding	P07478	49	GC07P157898	10.17155
MIR196A2	MicroRNA 196a-2	RNA Gene		29	GC12P060518	10.16949
FLII	FLII Actin Remodeling Protein	Protein Coding	Q13045	51	GC17M018244	10.16529
MMP14	Matrix Metallopeptidase 14	Protein Coding	P50281	59	GC14P045941	10.16381
GZMB	Granzyme B	Protein Coding	P10144	56	GC14M024630	10.16292
SCO2	Synthesis Of Cytochrome C Oxidase 2	Protein	O43819	53	GC22M050523	10.16241

		Coding				
CRELD1	Cysteine Rich With EGF Like Domains 1	Protein Coding	Q96HD1	50	GC03P021501	10.1616
FGF22	Fibroblast Growth Factor 22	Protein Coding	Q9HCT0	45	GC19P000639	10.15901
CHRNG	Cholinergic Receptor Nicotinic Gamma Subunit	Protein Coding	P07510	51	GC02P232539	10.14173
MDM2	MDM2 Proto-Oncogene	Protein Coding	Q00987	62	GC12P068808	10.14108
RMRP	RNA Component Of Mitochondrial RNA Processing Endoribonuclease	RNA Gene		31	GC09M035655	10.1383
WNT3A	Wnt Family Member 3A	Protein Coding	P56704	55	GC01P231350	10.13771
MT-ND5	Mitochondrially Encoded NADH:Ubiquinone Oxidoreductase Core Subunit 5	Protein Coding	P03915	41	GCMTP012339	10.13601
DLK1	Delta Like Non-Canonical Notch Ligand 1	Protein Coding	P80370	54	GC14P115883	10.13498
CASP1	Caspase 1	Protein Coding	P29466	58	GC11M105025	10.12251
FGF23	Fibroblast Growth Factor 23	Protein Coding	Q9GZV9	55	GC12M004368	10.06285
CYP1A2	Cytochrome P450 Family 1 Subfamily A Member 2	Protein Coding	P05177	54	GC15P074748	10.03985
CHRND	Cholinergic Receptor Nicotinic Delta Subunit	Protein Coding	Q07001	51	GC02P232525	10.01542
SETD2	SET Domain Containing 2, Histone Lysine Methyltransferase	Protein Coding	Q9BYW2	56	GC03M047033	9.995672
IL4R	Interleukin 4 Receptor	Protein Coding	P24394	55	GC16P081249	9.990465
HBA1	Hemoglobin Subunit Alpha 1	Protein Coding	P69905	51	GC16P080149	9.989737
SLC26A4	Solute Carrier Family 26 Member 4	Protein Coding	O43511	52	GC07P107660	9.988954
TWIST1	Twist Family BHLH Transcription Factor 1	Protein	Q15672	54	GC07M019020	9.98564

		Coding				
TOR1A	Torsin Family 1 Member A	Protein Coding	O14656	55	GC09M129812	9.983239
FGF6	Fibroblast Growth Factor 6	Protein Coding	P10767	48	GC12M029195	9.967978
F10	Coagulation Factor X	Protein Coding	P00742	59	GC13P113122	9.963424
ABCC1	ATP Binding Cassette Subfamily C Member 1 (ABCC1 Blood Group)	Protein Coding	P33527	56	GC16P015949	9.960571
IFT43	Intraflagellar Transport 43	Protein Coding	Q96FT9	48	GC14P075902	9.94383
PLA2R1	Phospholipase A2 Receptor 1	Protein Coding	Q13018	47	GC02M159924	9.915071
SEC61A1	SEC61 Translocon Subunit Alpha 1	Protein Coding	P61619	52	GC03P128051	9.895799
APEX1	Apurinic/Apyrimidinic Endodeoxyribonuclease 1	Protein Coding	P27695	54	GC14P020455	9.895269
JPH2	Junctophilin 2	Protein Coding	Q9BR39	49	GC20M044111	9.894455
MB	Myoglobin	Protein Coding	P02144	54	GC22M035606	9.886961
FGF13	Fibroblast Growth Factor 13	Protein Coding	Q92913	50	GC0XM138615	9.882671
UMOD	Uromodulin	Protein Coding	P07911	51	GC16M021309	9.873698
MIR197	MicroRNA 197	RNA Gene		26	GC01P109598	9.869095
PINK1	PTEN Induced Kinase 1	Protein Coding	Q9BXM7	55	GC01P041392	9.867271
CADM1	Cell Adhesion Molecule 1	Protein Coding	Q9BY67	53	GC11M115169	9.855205
FGF5	Fibroblast Growth Factor 5	Protein Coding	P12034	53	GC04P080266	9.853796
ADA2	Adenosine Deaminase 2	Protein Coding	Q9NZK5	50	GC22M017316	9.825928

ASCC1	Activating Signal Cointegrator 1 Complex Subunit 1	Protein Coding	Q8N9N2	50	GC10M072096	9.82016
DDAH1	Dimethylarginine Dimethylaminohydrolase 1	Protein Coding	O94760	50	GC01M085318	9.819131
MIR7-3HG	MIR7-3 Host Gene	RNA Gene	Q8N6C7	34	GC19P112015	9.816425
FGF3	Fibroblast Growth Factor 3	Protein Coding	P11487	53	GC11M125588	9.811424
CYP19A1	Cytochrome P450 Family 19 Subfamily A Member 1	Protein Coding	P11511	56	GC15M051208	9.79355
FOXP1	Forkhead Box P1	Protein Coding	Q9H334	53	GC03M070954	9.789784
HABP2	Hyaluronan Binding Protein 2	Protein Coding	Q14520	53	GC10P113550	9.767244
SDHB	Succinate Dehydrogenase Complex Iron Sulfur Subunit B	Protein Coding	P21912	57	GC01M019222	9.765605
CAPN3	Calpain 3	Protein Coding	P20807	56	GC15P042359	9.762126
SYP	Synaptophysin	Protein Coding	P08247	55	GC0XM049187	9.73892
PSMC4	Proteasome 26S Subunit, ATPase 4	Protein Coding	P43686	51	GC19P113047	9.737944
HLA-DPA1	Major Histocompatibility Complex, Class II, DP Alpha 1	Protein Coding	P20036	49	GC06M033064	9.712128
COL4A1	Collagen Type IV Alpha 1 Chain	Protein Coding	P02462	56	GC13M110148	9.668052
NCF1	Neutrophil Cytosolic Factor 1	Protein Coding	P14598	55	GC07P086277	9.667918
CYBA	Cytochrome B-245 Alpha Chain	Protein Coding	P13498	55	GC16M088643	9.652981
NFKBIA	NFKB Inhibitor Alpha	Protein Coding	P25963	59	GC14M035401	9.63452
ZMPSTE24	Zinc Metallopeptidase STE24	Protein Coding	O75844	48	GC01P040258	9.632989
AQP5	Aquaporin 5	Protein	P55064	56	GC12P049961	9.631964

		Coding				
SNCA	Synuclein Alpha	Protein Coding	P37840	60	GC04M089724	9.629451
JAK1	Janus Kinase 1	Protein Coding	P23458	62	GC01M064833	9.622127
MUC4	Mucin 4, Cell Surface Associated	Protein Coding	Q99102	48	GC03M195746	9.617541
LGI4	Leucine Rich Repeat LGI Family Member 4	Protein Coding	Q8N135	47	GC19M035124	9.604913
APOB	Apolipoprotein B	Protein Coding	P04114	55	GC02M020956	9.590449
DTNA	Dystrobrevin Alpha	Protein Coding	Q9Y4J8	52	GC18P034493	9.589543
ANXA2	Annexin A2	Protein Coding	P07355	56	GC15M060347	9.566801
TLX1NB	TLX1 Neighbor	RNA Gene	P0CAT3	31	GC10M101090	9.551994
TNFRSF13B	TNF Receptor Superfamily Member 13B	Protein Coding	O14836	55	GC17M016929	9.546379
NALCN	Sodium Leak Channel, Non-Selective	Protein Coding	Q8IZF0	48	GC13M101053	9.537005
SDCCAG8	SHH Signaling And Ciliogenesis Regulator SDCCAG8	Protein Coding	Q86SQ7	51	GC01P243255	9.533911
FGF16	Fibroblast Growth Factor 16	Protein Coding	O43320	48	GC0XP077447	9.533802
MIR205	MicroRNA 205	RNA Gene		26	GC01P209432	9.521507
DOK7	Docking Protein 7	Protein Coding	Q18PE1	47	GC04P004117	9.520811
LRP5	LDL Receptor Related Protein 5	Protein Coding	O75197	58	GC11P068298	9.515312
MIR25	MicroRNA 25	RNA Gene		27	GC07M100093	9.499569
PSMB8	Proteasome 20S Subunit Beta 8	Protein Coding	P28062	59	GC06M032840	9.498348
TPH1	Tryptophan Hydroxylase 1	Protein Coding	P17752	54	GC11M018040	9.483947

TP63	Tumor Protein P63	Protein Coding	Q9H3D4	55	GC03P189598	9.482371
HNF1A-AS1	HNF1A Antisense RNA 1	RNA Gene		26	GC12M123604	9.466412
KRT19	Keratin 19	Protein Coding	P08727	53	GC17M041523	9.457239
IREB2	Iron Responsive Element Binding Protein 2	Protein Coding	P48200	54	GC15P078437	9.454181
EPRS1	Glutamyl-Prolyl-TRNA Synthetase 1	Protein Coding	P07814	53	GC01M219969	9.436045
CST3	Cystatin C	Protein Coding	P01034	53	GC20M023930	9.429243
COX5A	Cytochrome C Oxidase Subunit 5A	Protein Coding	P20674	53	GC15M074919	9.41687
SMAD1	SMAD Family Member 1	Protein Coding	Q15797	53	GC04P145481	9.39801
SLC22A5	Solute Carrier Family 22 Member 5	Protein Coding	O76082	55	GC05P132369	9.381784
FOXJ1	Forkhead Box J1	Protein Coding	Q92949	47	GC17M076136	9.371062
SLC12A2	Solute Carrier Family 12 Member 2	Protein Coding	P55011	59	GC05P128083	9.342706
F8	Coagulation Factor VIII	Protein Coding	P00451	56	GC0XM154835	9.341364
PPARA	Peroxisome Proliferator Activated Receptor Alpha	Protein Coding	Q07869	53	GC22P046150	9.339176
DNMT3A	DNA Methyltransferase 3 Alpha	Protein Coding	Q9Y6K1	60	GC02M025228	9.337057
WNT1	Wnt Family Member 1	Protein Coding	P04628	56	GC12P060231	9.336123
AHI1	Abelson Helper Integration Site 1	Protein Coding	Q8N157	50	GC06M135283	9.32502
LMOD1	Leiomodin 1	Protein Coding	P29536	49	GC01M201896	9.30791
NTS	Neurotensin	Protein	P30990	50	GC12P085876	9.292862

		Coding				
CA4	Carbonic Anhydrase 4	Protein Coding	P22748	54	GC17P060149	9.290386
RUNX2	RUNX Family Transcription Factor 2	Protein Coding	Q13950	55	GC06P135072	9.285101
KISS1	KiSS-1 Metastasis Suppressor	Protein Coding	Q15726	49	GC01M204190	9.258907
CD28	CD28 Molecule	Protein Coding	P10747	56	GC02P203706	9.229024
TGIF1	TGFB Induced Factor Homeobox 1	Protein Coding	Q15583	55	GC18P003411	9.222713
MIR93	MicroRNA 93	RNA Gene		28	GC07M105252	9.215351
HJV	Hemojuvelin BMP Co-Receptor	Protein Coding	Q6ZVN8	52	GC01M160501	9.211232
MIR203A	MicroRNA 203a	RNA Gene		27	GC14P115816	9.20265
ACVR2B	Activin A Receptor Type 2B	Protein Coding	Q13705	58	GC03P038453	9.196448
MUC2	Mucin 2, Oligomeric Mucus/Gel-Forming	Protein Coding	Q02817	48	GC11P001074	9.187859
APOA1	Apolipoprotein A1	Protein Coding	P02647	59	GC11M116835	9.163861
CRLF1	Cytokine Receptor Like Factor 1	Protein Coding	O75462	50	GC19M018572	9.151328
ARG1	Arginase 1	Protein Coding	P05089	58	GC06P136455	9.150289
CREB1	CAMP Responsive Element Binding Protein 1	Protein Coding	P16220	59	GC02P207529	9.142051
MYO5B	Myosin VB	Protein Coding	Q9ULV0	51	GC18M049822	9.140579
PGR	Progesterone Receptor	Protein Coding	P06401	59	GC11M126145	9.139984
LIPA	Lipase A, Lysosomal Acid Type	Protein Coding	P38571	56	GC10M089213	9.137842
SELL	Selectin L	Protein	P14151	52	GC01M169690	9.132118

		Coding				
VHL	Von Hippel-Lindau Tumor Suppressor	Protein Coding	P40337	56	GC03P021526	9.123945
PPP1R13L	Protein Phosphatase 1 Regulatory Subunit 13 Like	Protein Coding	Q8WUF5	49	GC19M045379	9.118827
EP300	E1A Binding Protein P300	Protein Coding	Q09472	61	GC22P070686	9.118385
ANXA1	Annexin A1	Protein Coding	P04083	55	GC09P073151	9.115602
TIMP3	TIMP Metallopeptidase Inhibitor 3	Protein Coding	P35625	52	GC22P070427	9.11087
ENO2	Enolase 2	Protein Coding	P09104	56	GC12P006913	9.109534
CYP1B1	Cytochrome P450 Family 1 Subfamily B Member 1	Protein Coding	Q16678	56	GC02M038066	9.104335
SOCS3	Suppressor Of Cytokine Signaling 3	Protein Coding	O14543	52	GC17M078356	9.089374
LOC126861897	BRD4-Independent Group 4 Enhancer GRCh37_chr14:23884455-23885654	Functional Element		8	GC14P046648	9.082955
ANO1	Anoctamin 1	Protein Coding	Q5XXA6	54	GC11P089362	9.081494
SERPINF2	Serpin Family F Member 2	Protein Coding	P08697	54	GC17P001742	9.071496
ATP2B3	ATPase Plasma Membrane Ca2+ Transporting 3	Protein Coding	Q16720	54	GC0XP153517	9.068661
MIR497	MicroRNA 497	RNA Gene		26	GC17M074819	9.067655
GABRG2	Gamma-Aminobutyric Acid Type A Receptor Subunit Gamma2	Protein Coding	P18507	57	GC05P162000	9.06589
MSN	Moesin	Protein Coding	P26038	56	GC0XP065588	9.043777
ADAM33	ADAM Metallopeptidase Domain 33	Protein Coding	Q9BZ11	46	GC20M004109	9.040239
RELA	RELA Proto-Oncogene, NF-KB Subunit	Protein Coding	Q04206	60	GC11M065653	9.038338

MIR124-3	MicroRNA 124-3	RNA Gene		23	GC20P066972	9.037838
PSMA4	Proteasome 20S Subunit Alpha 4	Protein Coding	P25789	52	GC15P078540	9.035244
LINC01554	Long Intergenic Non-Protein Coding RNA 1554	RNA Gene	Q52M75	27	GC05P095838	9.030576
HSPA8	Heat Shock Protein Family A (Hsp70) Member 8	Protein Coding	P11142	58	GC11M123057	9.013786
P2RX7	Purinergic Receptor P2X 7	Protein Coding	Q99572	55	GC12P133258	8.994439
TRAF6	TNF Receptor Associated Factor 6	Protein Coding	Q9Y4K3	55	GC11M036467	8.991774
CYP3A5	Cytochrome P450 Family 3 Subfamily A Member 5	Protein Coding	P20815	53	GC07M099648	8.986224
HLA-C	Major Histocompatibility Complex, Class I, C	Protein Coding	P10321	53	GC06M093737	8.973557
HAND2	Heart And Neural Crest Derivatives Expressed 2	Protein Coding	P61296	51	GC04M173524	8.973173
FHL1	Four And A Half LIM Domains 1	Protein Coding	Q13642	54	GC0XP136146	8.955617
KCNQ3	Potassium Voltage-Gated Channel Subfamily Q Member 3	Protein Coding	O43525	56	GC08M132120	8.943412
FCGR3A	Fc Gamma Receptor IIIa	Protein Coding	P08637	55	GC01M161541	8.93685
LOC126806424	CDK7 Strongly-Dependent Group 2 Enhancer GRCh37_chr2:179456337-179457536	Functional Element		8	GC02P178591	8.921601
TYK2	Tyrosine Kinase 2	Protein Coding	P29597	61	GC19M010350	8.913305
RARA	Retinoic Acid Receptor Alpha	Protein Coding	P10276	59	GC17P040309	8.907224
NCAPH2	Non-SMC Condensin II Complex Subunit H2	Protein Coding	Q6IBW4	46	GC22P050508	8.905084
AFP	Alpha Fetoprotein	Protein Coding	P02771	56	GC04P073431	8.903576
TRAF3IP1	TRAF3 Interacting Protein 1	Protein Coding	Q8TDR0	47	GC02P238320	8.899026

EDN2	Endothelin 2	Protein Coding	P20800	48	GC01M041478	8.897101
SNORD118	Small Nucleolar RNA, C/D Box 118	RNA Gene		25	GC17M074901	8.887156
FKBP5	FKBP Prolyl Isomerase 5	Protein Coding	Q13451	58	GC06M093925	8.885738
AHSP	Alpha Hemoglobin Stabilizing Protein	Protein Coding	Q9NZD4	45	GC16P031527	8.879675
IL1RAPL2	Interleukin 1 Receptor Accessory Protein Like 2	Protein Coding	Q9NP60	48	GC0XP104566	8.877348
ENOSF1	Enolase Superfamily Member 1	Protein Coding	Q7L5Y1	44	GC18M001071	8.876662
LOC126806420	BRD4-Independent Group 4 Enhancer GRCh37_chr2:179401104-179402303	Functional Element		8	GC02P178536	8.874488
LOC126806422	BRD4-Independent Group 4 Enhancer GRCh37_chr2:179440205-179441404	Functional Element		8	GC02P178575	8.874488
ADORA2A	Adenosine A2a Receptor	Protein Coding	P29274	55	GC22P024417	8.873305
FGF1	Fibroblast Growth Factor 1	Protein Coding	P05230	56	GC05M142555	8.872248
TRIM32	Tripartite Motif Containing 32	Protein Coding	Q13049	52	GC09P116687	8.87149
CR2	Complement C3d Receptor 2	Protein Coding	P20023	54	GC01P207454	8.852884
VDAC1	Voltage Dependent Anion Channel 1	Protein Coding	P21796	54	GC05M133975	8.848021
LOC107133510	Origin Of Replication At HBB	Functional Element		10	GC11P005222	8.847393
ADSS1	Adenylosuccinate Synthase 1	Protein Coding	Q8N142	50	GC14P115830	8.846328
MIR455	MicroRNA 455	RNA Gene		27	GC09P114209	8.831766
CD19	CD19 Molecule	Protein Coding	P15391	60	GC16P081418	8.831144
IL6R	Interleukin 6 Receptor	Protein Coding	P08887	59	GC01P154405	8.825027
JAK3	Janus Kinase 3	Protein	P52333	59	GC19M017824	8.818009

		Coding				
ALDH2	Aldehyde Dehydrogenase 2 Family Member	Protein Coding	P05091	59	GC12P111766	8.801782
COMT	Catechol-O-Methyltransferase	Protein Coding	P21964	60	GC22P019941	8.80048
PON1	Paraoxonase 1	Protein Coding	P27169	56	GC07M095297	8.797745
LOC126806427	BRD4-Independent Group 4 Enhancer GRCh37_chr2:179485777-179486976	Functional Element		6	GC02P178621	8.790958
GHSR	Growth Hormone Secretagogue Receptor	Protein Coding	Q92847	55	GC03M172443	8.784897
HULC	Hepatocellular Carcinoma Up-Regulated Long Non-Coding RNA	RNA Gene		28	GC06P008478	8.781108
MIR154	MicroRNA 154	RNA Gene		27	GC14P116742	8.773853
ABL1	ABL Proto-Oncogene 1, Non-Receptor Tyrosine Kinase	Protein Coding	P00519	61	GC09P130713	8.768409
MIR208B	MicroRNA 208b	RNA Gene		27	GC14M023417	8.752357
NPY	Neuropeptide Y	Protein Coding	P01303	53	GC07P024290	8.751033
NRG1	Neuregulin 1	Protein Coding	Q02297	58	GC08P031639	8.739535
LPCAT1	Lysophosphatidylcholine Acyltransferase 1	Protein Coding	Q8NF37	44	GC05M001456	8.719889
ARG2	Arginase 2	Protein Coding	P78540	54	GC14P067619	8.716364
NEU1	Neuraminidase 1	Protein Coding	Q99519	55	GC06M031857	8.703608
CCK	Cholecystokinin	Protein Coding	P06307	51	GC03M042274	8.701294
FADD	Fas Associated Via Death Domain	Protein Coding	Q13158	54	GC11P070203	8.698654
NEAT1	Nuclear Paraspeckle Assembly Transcript 1	RNA Gene		32	GC11P089078	8.69102
SLC7A7	Solute Carrier Family 7 Member 7	Protein Coding	Q9UM01	53	GC14M022773	8.689318

KLF4	KLF Transcription Factor 4	Protein Coding	O43474	55	GC09M107484	8.687029
MYH9	Myosin Heavy Chain 9	Protein Coding	P35579	56	GC22M036281	8.685288
FRAS1	Fraser Extracellular Matrix Complex Subunit 1	Protein Coding	Q86XX4	45	GC04P078057	8.684425
CXCL11	C-X-C Motif Chemokine Ligand 11	Protein Coding	O14625	50	GC04M076033	8.679074
HOTTIP	HOXA Distal Transcript Antisense RNA	RNA Gene		29	GC07P027198	8.678402
HSPA1B	Heat Shock Protein Family A (Hsp70) Member 1B	Protein Coding	P0DMV9	46	GC06P134837	8.674428
NPM1	Nucleophosmin 1	Protein Coding	P06748	59	GC05P171387	8.661361
IL1RL1	Interleukin 1 Receptor Like 1	Protein Coding	Q01638	50	GC02P102294	8.656969
TREM1	Triggering Receptor Expressed On Myeloid Cells 1	Protein Coding	Q9NP99	51	GC06M041267	8.656124
EXOSC10	Exosome Component 10	Protein Coding	Q01780	47	GC01M014495	8.651367
KL	Klotho	Protein Coding	Q9UEF7	56	GC13P033016	8.636377
MIR125B2	MicroRNA 125b-2	RNA Gene		26	GC21P016590	8.614491
G6PD	Glucose-6-Phosphate Dehydrogenase	Protein Coding	P11413	59	GC0XM154598	8.612785
DNAH11	Dynein Axonemal Heavy Chain 11	Protein Coding	Q96DT5	51	GC07P021543	8.609955
MIR222	MicroRNA 222	RNA Gene		27	GC0XM045747	8.606269
APLN	Apelin	Protein Coding	Q9ULZ1	45	GC0XM129645	8.606176
MT-TL1	Mitochondrially Encoded TRNA-Leu (UUA/G) 1	RNA Gene		23	GCMTP003232	8.589292
BBS7	Bardet-Biedl Syndrome 7	Protein Coding	Q8IWZ6	48	GC04M121824	8.583998
ADORA2B	Adenosine A2b Receptor	Protein Coding	P29275	56	GC17P111403	8.573246

NPR2	Natriuretic Peptide Receptor 2	Protein Coding	P20594	56	GC09P057122	8.572628
MIR125B1	MicroRNA 125b-1	RNA Gene		29	GC11M126625	8.561265
ACTN4	Actinin Alpha 4	Protein Coding	O43707	55	GC19P038647	8.551218
MIR212	MicroRNA 212	RNA Gene		27	GC17M002050	8.550762
CDKN1B	Cyclin Dependent Kinase Inhibitor 1B	Protein Coding	P46527	57	GC12P039206	8.545347
LINC-ROR	Long Intergenic Non-Protein Coding RNA, Regulator Of Reprogramming	RNA Gene		23	GC18M057054	8.542931
MIR128-2	MicroRNA 128-2	RNA Gene		27	GC03P035754	8.528206
S100A12	S100 Calcium Binding Protein A12	Protein Coding	P80511	47	GC01M153373	8.527843
GPX4	Glutathione Peroxidase 4	Protein Coding	P36969	56	GC19P001103	8.516969
ABCC6	ATP Binding Cassette Subfamily C Member 6	Protein Coding	O95255	56	GC16M020960	8.516869
TPO	Thyroid Peroxidase	Protein Coding	P07202	56	GC02P001374	8.481922
RAG1	Recombination Activating 1	Protein Coding	P15918	53	GC11P036554	8.478645
IL22	Interleukin 22	Protein Coding	Q9GZX6	51	GC12M068248	8.46562
ASPM	Assembly Factor For Spindle Microtubules	Protein Coding	Q8IZT6	46	GC01M197084	8.441739
LEPR	Leptin Receptor	Protein Coding	P48357	59	GC01P065438	8.433243
CKMT2	Creatine Kinase, Mitochondrial 2	Protein Coding	P17540	51	GC05P081233	8.430254
CD209	CD209 Molecule	Protein Coding	Q9NNX6	53	GC19M007739	8.42858
PDPN	Podoplanin	Protein Coding	Q86YL7	50	GC01P013583	8.426292
LRP1	LDL Receptor Related Protein 1	Protein	Q07954	56	GC12P057128	8.422116

		Coding				
A2M	Alpha-2-Macroglobulin	Protein Coding	P01023	55	GC12M009067	8.409002
CALML3	Calmodulin Like 3	Protein Coding	P27482	48	GC10P005524	8.406099
DAG1	Dystroglycan 1	Protein Coding	Q14118	54	GC03P057638	8.404337
IGFBP1	Insulin Like Growth Factor Binding Protein 1	Protein Coding	P08833	52	GC07P049577	8.398606
AARS2	Alanyl-TRNA Synthetase 2, Mitochondrial	Protein Coding	Q5JTZ9	51	GC06M094052	8.383499
TRA-TGC7-1	TRNA-Ala (Anticodon TGC) 7-1	RNA Gene		14	GC06M093612	8.381567
STUB1	STIP1 Homology And U-Box Containing Protein 1	Protein Coding	Q9UNE7	54	GC16P080174	8.374502
SRF	Serum Response Factor	Protein Coding	P11831	52	GC06P043171	8.370409
ADAR	Adenosine Deaminase RNA Specific	Protein Coding	P55265	54	GC01M160957	8.368461
PCAT1	Prostate Cancer Associated Transcript 1	RNA Gene		24	GC08P126553	8.340852
PROC	Protein C, Inactivator Of Coagulation Factors Va And VIIIa	Protein Coding	P04070	60	GC02P127418	8.335505
PAPPA	Pappalysin 1	Protein Coding	Q13219	51	GC09P124390	8.334805
FOXM1	Forkhead Box M1	Protein Coding	Q08050	52	GC12M002857	8.333106
AARS1	Alanyl-TRNA Synthetase 1	Protein Coding	P49588	53	GC16M073241	8.327469
NME1	NME/NM23 Nucleoside Diphosphate Kinase 1	Protein Coding	P15531	54	GC17P112649	8.327274
PRG2	Proteoglycan 2, Pro Eosinophil Major Basic Protein	Protein Coding	P13727	49	GC11M057386	8.327002
SCARB2	Scavenger Receptor Class B Member 2	Protein Coding	Q14108	54	GC04M076158	8.326096
PDE3A	Phosphodiesterase 3A	Protein	Q14432	56	GC12P039348	8.30682

		Coding				
ATP2A2	ATPase Sarcoplasmic/Endoplasmic Reticulum Ca2+ Transporting 2	Protein Coding	P16615	60	GC12P110280	8.296662
FGFR2	Fibroblast Growth Factor Receptor 2	Protein Coding	P21802	64	GC10M121478	8.291015
ENTPD1	Ectonucleoside Triphosphate Diphosphohydrolase 1	Protein Coding	P49961	58	GC10P109494	8.289722
GRN	Granulin Precursor	Protein Coding	P28799	56	GC17P044345	8.289215
NPR3	Natriuretic Peptide Receptor 3	Protein Coding	P17342	53	GC05P032689	8.280321
MICA	MHC Class I Polypeptide-Related Sequence A	Protein Coding	Q29983	47	GC06P031399	8.278872
GYPA	Glycophorin A (MNS Blood Group)	Protein Coding	P02724	53	GC04M144109	8.276208
GH1	Growth Hormone 1	Protein Coding	P01241	52	GC17M063917	8.264929
CTSB	Cathepsin B	Protein Coding	P07858	60	GC08M011842	8.24673
NQO1	NAD(P)H Quinone Dehydrogenase 1	Protein Coding	P15559	56	GC16M069706	8.229465
SMO	Smoothened, Frizzled Class Receptor	Protein Coding	Q99835	60	GC07P136199	8.225648
TNFSF10	TNF Superfamily Member 10	Protein Coding	P50591	53	GC03M172505	8.222872
TNFRSF11A	TNF Receptor Superfamily Member 11a	Protein Coding	Q9Y6Q6	55	GC18P062325	8.221982
CYSLTR1	Cysteinyl Leukotriene Receptor 1	Protein Coding	Q9Y271	51	GC0XM078271	8.219058
DDIT3	DNA Damage Inducible Transcript 3	Protein Coding	P35638	55	GC12M057516	8.210842
FOXC2	Forkhead Box C2	Protein Coding	Q99958	53	GC16P094764	8.209352
TLR1	Toll Like Receptor 1	Protein	Q15399	57	GC04M038793	8.19673

		Coding				
PPARGC1A	PPARG Coactivator 1 Alpha	Protein Coding	Q9UBK2	55	GC04M023755	8.196003
SLC4A4	Solute Carrier Family 4 Member 4	Protein Coding	Q9Y6R1	55	GC04P071063	8.189909
CSF1R	Colony Stimulating Factor 1 Receptor	Protein Coding	P07333	61	GC05M150053	8.189782
CFC1	Cryptic, EGF-CFC Family Member 1	Protein Coding	P0CG37	47	GC02M130592	8.189706
UGT1A1	UDP Glucuronosyltransferase Family 1 Member A1	Protein Coding	P22309	59	GC02P233760	8.188507
PTH	Parathyroid Hormone	Protein Coding	P01270	54	GC11M013492	8.186959
LIMK1	LIM Domain Kinase 1	Protein Coding	P53667	57	GC07P074082	8.182162
IFNB1	Interferon Beta 1	Protein Coding	P01574	52	GC09M021077	8.181888
KITLG	KIT Ligand	Protein Coding	P21583	55	GC12M088492	8.180132
NPC2	NPC Intracellular Cholesterol Transporter 2	Protein Coding	P61916	52	GC14M074476	8.161923
ITGA3	Integrin Subunit Alpha 3	Protein Coding	P26006	56	GC17P050055	8.155979
LOC114827850	VISTA Enhancer Hs2149	Functional Element		8	GC12P110918	8.15559
HSPA1L	Heat Shock Protein Family A (Hsp70) Member 1 Like	Protein Coding	P34931	51	GC06M031809	8.15081
RNF5	Ring Finger Protein 5	Protein Coding	Q99942	48	GC06P134847	8.149347
PAX2	Paired Box 2	Protein Coding	Q02962	55	GC10P100735	8.148151
PSMA7	Proteasome 20S Subunit Alpha 7	Protein Coding	O14818	53	GC20M062136	8.143019
CACNA1A	Calcium Voltage-Gated Channel Subunit Alpha1 A	Protein Coding	O00555	57	GC19M013206	8.142906

GLI2	GLI Family Zinc Finger 2	Protein Coding	P10070	58	GC02P120735	8.140855
ATP1A2	ATPase Na+/K+ Transporting Subunit Alpha 2	Protein Coding	P50993	57	GC01P160115	8.13807
NPPC	Natriuretic Peptide C	Protein Coding	P23582	50	GC02M231921	8.137661
SEMA3A	Semaphorin 3A	Protein Coding	Q14563	55	GC07M083955	8.134562
PLCB3	Phospholipase C Beta 3	Protein Coding	Q01970	55	GC11P064251	8.129044
HSPH1	Heat Shock Protein Family H (Hsp110) Member 1	Protein Coding	Q92598	50	GC13M031134	8.125639
VIPR1	Vasoactive Intestinal Peptide Receptor 1	Protein Coding	P32241	55	GC03P042490	8.121133
TLL1	Tolloid Like 1	Protein Coding	O43897	52	GC04P165873	8.112735
IGFBP2	Insulin Like Growth Factor Binding Protein 2	Protein Coding	P18065	53	GC02P216632	8.11183
SLC4A1	Solute Carrier Family 4 Member 1 (Diego Blood Group)	Protein Coding	P02730	56	GC17M077847	8.111336
IL18R1	Interleukin 18 Receptor 1	Protein Coding	Q13478	52	GC02P102311	8.103577
CD86	CD86 Molecule	Protein Coding	P42081	53	GC03P122055	8.102648
MIR33A	MicroRNA 33a	RNA Gene		26	GC22P041900	8.092133
P2RY2	Purinergic Receptor P2Y2	Protein Coding	P41231	52	GC11P089503	8.090639
LOC126806426	BRD4-Independent Group 4 Enhancer GRCh37_chr2:179478848-179480047	Functional Element		8	GC02P178614	8.075532
KANSL1	KAT8 Regulatory NSL Complex Subunit 1	Protein Coding	Q7Z3B3	47	GC17M077968	8.073581
RETN	Resistin	Protein Coding	Q9HD89	51	GC19P007669	8.056868
COL6A1	Collagen Type VI Alpha 1 Chain	Protein	P12109	53	GC21P045981	8.053032

		Coding				
PRKACA	Protein Kinase CAMP-Activated Catalytic Subunit Alpha	Protein Coding	P17612	61	GC19M092217	8.029634
COMP	Cartilage Oligomeric Matrix Protein	Protein Coding	P49747	55	GC19M092422	8.02156
C4A	Complement C4A (Chido/Rodgers Blood Group)	Protein Coding	P0C0L4	52	GC06P134843	8.011519
NSD2	Nuclear Receptor Binding SET Domain Protein 2	Protein Coding	O96028	53	GC04P003990	8.005352
CA2	Carbonic Anhydrase 2	Protein Coding	P00918	59	GC08P085463	8.000391
PTGS1	Prostaglandin-Endoperoxide Synthase 1	Protein Coding	P23219	55	GC09P122370	7.993997
MIR133A1	MicroRNA 133a-1	RNA Gene		23	GC18M034039	7.990976
DPP4	Dipeptidyl Peptidase 4	Protein Coding	P27487	58	GC02M161992	7.988826
MLH1	MutL Homolog 1	Protein Coding	P40692	58	GC03P036993	7.980978
SMAD6	SMAD Family Member 6	Protein Coding	O43541	55	GC15P066702	7.97141
HTR3A	5-Hydroxytryptamine Receptor 3A	Protein Coding	P46098	54	GC11P113975	7.956553
AHR	Aryl Hydrocarbon Receptor	Protein Coding	P35869	55	GC07P016916	7.955212
CRYAB	Crystallin Alpha B	Protein Coding	P02511	55	GC11M111908	7.940616
BSG	Basigin (Ok Blood Group)	Protein Coding	P35613	53	GC19P000571	7.940616
CHRNA4	Cholinergic Receptor Nicotinic Alpha 4 Subunit	Protein Coding	P43681	58	GC20M063343	7.939821
MIR185	MicroRNA 185	RNA Gene		29	GC22P069932	7.935847
RCBTB1	RCC1 And BTB Domain Containing Protein 1	Protein Coding	Q8NDN9	46	GC13M049531	7.93174
WRN	WRN RecQ Like Helicase	Protein	Q14191	56	GC08P031033	7.926224

		Coding				
TYR	Tyrosinase	Protein Coding	P14679	57	GC11P089177	7.9236
HNF1B	HNF1 Homeobox B	Protein Coding	P35680	52	GC17M037686	7.919895
MAPKBP1	Mitogen-Activated Protein Kinase Binding Protein 1	Protein Coding	O60336	47	GC15P157143	7.917944
FOXC1	Forkhead Box C1	Protein Coding	Q12948	52	GC06P001635	7.909389
TFRC	Transferrin Receptor	Protein Coding	P02786	59	GC03M196303	7.898871
FHL2	Four And A Half LIM Domains 2	Protein Coding	Q14192	54	GC02M105357	7.894327
COL18A1	Collagen Type XVIII Alpha 1 Chain	Protein Coding	P39060	55	GC21P045405	7.893592
EGR1	Early Growth Response 1	Protein Coding	P18146	53	GC05P138465	7.891618
ANK2	Ankyrin 2	Protein Coding	Q01484	50	GC04P112735	7.890642
DNAJC5	DnaJ Heat Shock Protein Family (Hsp40) Member C5	Protein Coding	Q9H3Z4	51	GC20P063895	7.888282
CALM3	Calmodulin 3	Protein Coding	P0DP25	51	GC19P046601	7.886949
FOXO3	Forkhead Box O3	Protein Coding	O43524	56	GC06P108559	7.883898
CCR1	C-C Motif Chemokine Receptor 1	Protein Coding	P32246	52	GC03M046218	7.878735
CX3CL1	C-X3-C Motif Chemokine Ligand 1	Protein Coding	P78423	53	GC16P057372	7.876323
KCNQ2	Potassium Voltage-Gated Channel Subfamily Q Member 2	Protein Coding	O43526	56	GC20M063400	7.86388
CYP3A4	Cytochrome P450 Family 3 Subfamily A Member 4	Protein Coding	P08684	56	GC07M100029	7.859652
CFLAR	CASP8 And FADD Like Apoptosis Regulator	Protein	O15519	53	GC02P201527	7.856534

		Coding				
MIR191	MicroRNA 191	RNA Gene		29	GC03M053710	7.853918
AOC1	Amine Oxidase Copper Containing 1	Protein Coding	P19801	50	GC07P150824	7.853831
IFRD1	Interferon Related Developmental Regulator 1	Protein Coding	O00458	47	GC07P112422	7.851712
LBR	Lamin B Receptor	Protein Coding	Q14739	55	GC01M225401	7.850732
LOC106099062	HBB Recombination Region	Functional Element		10	GC11P010854	7.84628
MYOCD	Myocardin	Protein Coding	Q8IZQ8	53	GC17P012665	7.837872
CASC2	Cancer Susceptibility 2	RNA Gene	Q8IU53	32	GC10P118053	7.824027
RAD51	RAD51 Recombinase	Protein Coding	Q06609	59	GC15P040694	7.821417
BLOC1S3	Biogenesis Of Lysosomal Organelles Complex 1 Subunit 3	Protein Coding	Q6QNY0	44	GC19P045178	7.814944
GP1BA	Glycoprotein Ib Platelet Subunit Alpha	Protein Coding	P07359	56	GC17P004932	7.810776
SLC29A3	Solute Carrier Family 29 Member 3	Protein Coding	Q9BZD2	52	GC10P072137	7.808933
UCHL1	Ubiquitin C-Terminal Hydrolase L1	Protein Coding	P09936	61	GC04P041256	7.800288
PSMA6	Proteasome 20S Subunit Alpha 6	Protein Coding	P60900	54	GC14P035278	7.795782
ACVR2A	Activin A Receptor Type 2A	Protein Coding	P27037	54	GC02P147844	7.795497
PSMC6	Proteasome 26S Subunit, ATPase 6	Protein Coding	P62333	48	GC14P052707	7.793764
CFH	Complement Factor H	Protein Coding	P08603	56	GC01P196621	7.792311
MSR1	Macrophage Scavenger Receptor 1	Protein Coding	P21757	54	GC08M016107	7.787148
FABP3	Fatty Acid Binding Protein 3	Protein Coding	P05413	52	GC01M031376	7.780585

IL13RA2	Interleukin 13 Receptor Subunit Alpha 2	Protein Coding	Q14627	47	GC0XM115003	7.76779
CPLANE1	Ciliogenesis And Planar Polarity Effector Complex Subunit 1	Protein Coding	Q9H799	43	GC05M038380	7.763682
CREBBP	CREB Binding Protein	Protein Coding	Q92793	62	GC16M020489	7.762671
SNTG1	Syntrophin Gamma 1	Protein Coding	Q9NSN8	43	GC08P049909	7.753419
ERBB3	Erb-B2 Receptor Tyrosine Kinase 3	Protein Coding	P21860	63	GC12P060597	7.748691
VEGFC	Vascular Endothelial Growth Factor C	Protein Coding	P49767	55	GC04M176683	7.73818
MED13L	Mediator Complex Subunit 13L	Protein Coding	Q71F56	48	GC12M115953	7.734513
ICOS	Inducible T Cell Costimulator	Protein Coding	Q9Y6W8	53	GC02P203937	7.732052
GHRL	Ghrelin And Obestatin Prepropeptide	Protein Coding	Q9UBU3	50	GC03M010285	7.721159
SPHK1	Sphingosine Kinase 1	Protein Coding	Q9NYA1	54	GC17P076376	7.715747
MIR183	MicroRNA 183	RNA Gene		26	GC07M129882	7.710223
TARDBP	TAR DNA Binding Protein	Protein Coding	Q13148	56	GC01P039670	7.702775
AVP	Arginine Vasopressin	Protein Coding	P01185	54	GC20M003082	7.694056
SCT	Secretin	Protein Coding	P09683	42	GC11M000626	7.686668
MAP3K7	Mitogen-Activated Protein Kinase Kinase Kinase 7	Protein Coding	O43318	59	GC06M090513	7.686262
FCGR3B	Fc Gamma Receptor IIIb	Protein Coding	O75015	52	GC01M161623	7.686223
TNFSF12	TNF Superfamily Member 12	Protein Coding	O43508	46	GC17P111184	7.683398
MIR18A	MicroRNA 18a	RNA Gene		26	GC13P091683	7.6696

PPIG	Peptidylprolyl Isomerase G	Protein Coding	Q13427	50	GC02P169584	7.667675
NAGLU	N-Acetyl-Alpha-Glucosaminidase	Protein Coding	P54802	52	GC17P112331	7.665798
RAB5A	RAB5A, Member RAS Oncogene Family	Protein Coding	P20339	53	GC03P021761	7.661641
DNAAF3	Dynein Axonemal Assembly Factor 3	Protein Coding	Q8N9W5	44	GC19M055158	7.654557
PPBP	Pro-Platelet Basic Protein	Protein Coding	P02775	52	GC04M073986	7.651521
DYNLT1	Dynein Light Chain Tctex-Type 1	Protein Coding	P63172	48	GC06M158636	7.650596
CCL20	C-C Motif Chemokine Ligand 20	Protein Coding	P78556	51	GC02P227846	7.64917
NBN	Nibrin	Protein Coding	O60934	57	GC08M089933	7.648633
EMSLR	E2F1 MRNA Stabilizing LncRNA	RNA Gene		19	GC07P106459	7.646537
CSF3R	Colony Stimulating Factor 3 Receptor	Protein Coding	Q99062	55	GC01M036466	7.643529
RASA1	RAS P21 Protein Activator 1	Protein Coding	P20936	55	GC05P087267	7.638167
PLA2G4A	Phospholipase A2 Group IVA	Protein Coding	P47712	56	GC01P186798	7.623158
MKI67	Marker Of Proliferation Ki-67	Protein Coding	P46013	52	GC10M128096	7.614747
ESR2	Estrogen Receptor 2	Protein Coding	Q92731	58	GC14M064084	7.611899
CRHR1	Corticotropin Releasing Hormone Receptor 1	Protein Coding	P34998	52	GC17P045784	7.606428
RAB4B-EGLN2	RAB4B-EGLN2 Readthrough (NMD Candidate)	RNA Gene		18	GC19P040778	7.604809
PSMA3	Proteasome 20S Subunit Alpha 3	Protein Coding	P25788	54	GC14P058244	7.590156
TRIM63	Tripartite Motif Containing 63	Protein Coding	Q969Q1	49	GC01M031027	7.58559

LOC110806264	TERT Enhancer In Intron 2	Functional Element		3	GC05P001286	7.58428
CKM	Creatine Kinase, M-Type	Protein Coding	P06732	53	GC19M045306	7.582595
TXNRD2	Thioredoxin Reductase 2	Protein Coding	Q9NNW7	54	GC22M020053	7.58195
ACADVL	Acyl-CoA Dehydrogenase Very Long Chain	Protein Coding	P49748	54	GC17P111148	7.575986
MIR328	MicroRNA 328	RNA Gene		27	GC16M067512	7.574433
YAP1	Yes1 Associated Transcriptional Regulator	Protein Coding	P46937	56	GC11P102110	7.56916
WNT4	Wnt Family Member 4	Protein Coding	P56705	55	GC01M022190	7.560092
SULT1A3	Sulfotransferase Family 1A Member 3	Protein Coding	P0DMM9	45	GC16P030199	7.551379
SHBG	Sex Hormone Binding Globulin	Protein Coding	P04278	51	GC17P007613	7.547738
MT-ATP6	Mitochondrially Encoded ATP Synthase Membrane Subunit 6	Protein Coding	P00846	41	GCMTP008531	7.546886
MIRLET7A1	MicroRNA Let-7a-1	RNA Gene		29	GC09P094175	7.538274
LDLR	Low Density Lipoprotein Receptor	Protein Coding	P01130	60	GC19P112317	7.521094
CCDC39	Coiled-Coil Domain 39 Molecular Ruler Complex Subunit	Protein Coding	Q9UFE4	45	GC03M180602	7.517385
CCDC40	Coiled-Coil Domain 40 Molecular Ruler Complex Subunit	Protein Coding	Q4G0X9	45	GC17P113318	7.504933
SDC1	Syndecan 1	Protein Coding	P18827	51	GC02M020200	7.496796
MIR339	MicroRNA 339	RNA Gene		27	GC07M001022	7.496467
FURIN	Furin, Paired Basic Amino Acid Cleaving Enzyme	Protein Coding	P09958	56	GC15P090868	7.488567
TRPV1	Transient Receptor Potential Cation Channel Subfamily V Member 1	Protein Coding	Q8NER1	56	GC17M003565	7.486356
BLM	BLM RecQ Like Helicase	Protein Coding	P54132	58	GC15P090717	7.484811

GPD1	Glycerol-3-Phosphate Dehydrogenase 1	Protein Coding	P21695	53	GC12P060287	7.480723
PDE4D	Phosphodiesterase 4D	Protein Coding	Q08499	58	GC05M058969	7.476701
PRKAA2	Protein Kinase AMP-Activated Catalytic Subunit Alpha 2	Protein Coding	P54646	58	GC01P056645	7.474777
CASP10	Caspase 10	Protein Coding	Q92851	56	GC02P201182	7.468814
MIR296	MicroRNA 296	RNA Gene		25	GC20M058817	7.463842
NKX2-1-AS1	NKX2-1 Antisense RNA 1	RNA Gene		19	GC14P036519	7.455637
SQSTM1	Sequestosome 1	Protein Coding	Q13501	58	GC05P179806	7.453897
RDX	Radixin	Protein Coding	P35241	56	GC11M109864	7.453292
MYBPC1	Myosin Binding Protein C1	Protein Coding	Q00872	52	GC12P101568	7.440856
TYMP	Thymidine Phosphorylase	Protein Coding	P19971	56	GC22M050525	7.439936
PARP1	Poly(ADP-Ribose) Polymerase 1	Protein Coding	P09874	59	GC01M226360	7.439206
LRRC56	Leucine Rich Repeat Containing 56	Protein Coding	Q8IYG6	45	GC11P010580	7.438835
MIR96	MicroRNA 96	RNA Gene		27	GC07M129774	7.432687
OXTR	Oxytocin Receptor	Protein Coding	P30559	56	GC03M008767	7.424898
ARNT	Aryl Hydrocarbon Receptor Nuclear Translocator	Protein Coding	P27540	54	GC01M150809	7.416546
ATP12A	ATPase H+/K+ Transporting Non-Gastric Alpha2 Subunit	Protein Coding	P54707	51	GC13P024680	7.406698
EXOSC3	Exosome Component 3	Protein Coding	Q9NQT5	52	GC09M037772	7.405063
PLA2G7	Phospholipase A2 Group VII	Protein Coding	Q13093	59	GC06M046704	7.401219
TRIM33	Tripartite Motif Containing 33	Protein	Q9UPN9	51	GC01M114392	7.394244

		Coding				
MYH3	Myosin Heavy Chain 3	Protein Coding	P11055	52	GC17M010628	7.392056
SLC6A3	Solute Carrier Family 6 Member 3	Protein Coding	Q01959	59	GC05M001392	7.3812
IL23R	Interleukin 23 Receptor	Protein Coding	Q5VWK5	53	GC01P067138	7.371625
LUCAT1	Lung Cancer Associated Transcript 1	RNA Gene		23	GC05M091054	7.362789
NFATC1	Nuclear Factor Of Activated T Cells 1	Protein Coding	O95644	56	GC18P079395	7.350367
PLS3	Plastin 3	Protein Coding	P13797	51	GC0XP115560	7.350333
DSC2	Desmocollin 2	Protein Coding	Q02487	54	GC18M031058	7.34503
UQCRC1	Ubiquinol-Cytochrome C Reductase Core Protein 1	Protein Coding	P31930	52	GC03M048598	7.339879
HAVCR2	Hepatitis A Virus Cellular Receptor 2	Protein Coding	Q8TDQ0	54	GC05M157063	7.329288
IKBKG	Inhibitor Of Nuclear Factor Kappa B Kinase Regulatory Subunit Gamma	Protein Coding	Q9Y6K9	56	GC0XP154541	7.313469
NEDD4L	NEDD4 Like E3 Ubiquitin Protein Ligase	Protein Coding	Q96PU5	55	GC18P058044	7.305948
FCGR2B	Fc Gamma Receptor IIb	Protein Coding	P31994	56	GC01P164915	7.301785
PEPD	Peptidase D	Protein Coding	P12955	54	GC19M033386	7.300344
TUBB	Tubulin Beta Class I	Protein Coding	P07437	58	GC06P134798	7.296582
ASCL1	Achaete-Scute Family BHLH Transcription Factor 1	Protein Coding	P50553	51	GC12P102957	7.290522
F2RL1	F2R Like Trypsin Receptor 1	Protein Coding	P55085	53	GC05P076818	7.288163
ALOX5AP	Arachidonate 5-Lipoxygenase Activating Protein	Protein Coding	P20292	53	GC13P030713	7.285031

MIR141	MicroRNA 141	RNA Gene		29	GC12P038996	7.280969
TBCB	Tubulin Folding Cofactor B	Protein Coding	Q99426	48	GC19P112955	7.280772
MT-ND4	Mitochondrially Encoded NADH:Ubiquinone Oxidoreductase Core Subunit 4	Protein Coding	P03905	40	GCMTP010762	7.277224
CALB2	Calbindin 2	Protein Coding	P22676	48	GC16P071358	7.26966
MIR324	MicroRNA 324	RNA Gene		28	GC17M007223	7.267335
OXT	Oxytocin/Neurophysin I Prepropeptide	Protein Coding	P01178	47	GC20P008141	7.266019
PSMD14	Proteasome 26S Subunit, Non-ATPase 14	Protein Coding	O00487	52	GC02P161308	7.239882
SLC40A1	Solute Carrier Family 40 Member 1	Protein Coding	Q9NP59	56	GC02M189560	7.229411
DOCK8	Dedicator Of Cytokinesis 8	Protein Coding	Q8NF50	54	GC09P000267	7.229035
GJC1	Gap Junction Protein Gamma 1	Protein Coding	P36383	50	GC17M077876	7.219815
LARS2	Leucyl-TRNA Synthetase 2, Mitochondrial	Protein Coding	Q15031	53	GC03P057374	7.217561
WFDC2	WAP Four-Disulfide Core Domain 2	Protein Coding	Q14508	46	GC20P045469	7.213716
CDH5	Cadherin 5	Protein Coding	P33151	55	GC16P066366	7.20672
INSR	Insulin Receptor	Protein Coding	P06213	62	GC19M007112	7.202856
LINC01613	Long Intergenic Non-Protein Coding RNA 1613	RNA Gene		13	GC09P124437	7.196433
CD27	CD27 Molecule	Protein Coding	P26842	55	GC12P038949	7.194429
PARK7	Parkinsonism Associated Deglycase	Protein Coding	Q99497	56	GC01P039429	7.193352
FOS	Fos Proto-Oncogene, AP-1 Transcription Factor Subunit	Protein Coding	P01100	59	GC14P075278	7.191167
MIR101-1	MicroRNA 101-1	RNA Gene		26	GC01M065058	7.176569

ZEB1	Zinc Finger E-Box Binding Homeobox 1	Protein Coding	P37275	57	GC10P031318	7.175542
FGB	Fibrinogen Beta Chain	Protein Coding	P02675	55	GC04P154685	7.173698
OGG1	8-Oxoguanine DNA Glycosylase	Protein Coding	O15527	56	GC03P021488	7.145401
PSMA1	Proteasome 20S Subunit Alpha 1	Protein Coding	P25786	51	GC11M014506	7.14483
TLR7	Toll Like Receptor 7	Protein Coding	Q9NYK1	57	GC0XP012867	7.144205
FCN2	Ficolin 2	Protein Coding	Q15485	52	GC09P134864	7.141244
PSAP	Prosaposin	Protein Coding	P07602	56	GC10M071816	7.139356
PSMA5	Proteasome 20S Subunit Alpha 5	Protein Coding	P28066	52	GC01M109399	7.135303
PAH	Phenylalanine Hydroxylase	Protein Coding	P00439	56	GC12M102836	7.133542
MIR182	MicroRNA 182	RNA Gene		28	GC07M129770	7.130076
HDAC4	Histone Deacetylase 4	Protein Coding	P56524	61	GC02M239048	7.111938
ACHE	Acetylcholinesterase (Yt Blood Group)	Protein Coding	P22303	56	GC07M100889	7.10412
RAD21	RAD21 Cohesin Complex Component	Protein Coding	O60216	53	GC08M116846	7.102869
GSK3B	Glycogen Synthase Kinase 3 Beta	Protein Coding	P49841	59	GC03M119821	7.099475
FAN1	FANCD2 And FANCI Associated Nuclease 1	Protein Coding	Q9Y2M0	48	GC15P156789	7.085835
TLR5	Toll Like Receptor 5	Protein Coding	O60602	55	GC01M223109	7.08446
RAC2	Rac Family Small GTPase 2	Protein Coding	P15153	59	GC22M077096	7.081954
TNPO3	Transportin 3	Protein	Q9Y5L0	50	GC07M128954	7.072903

		Coding				
SYK	Spleen Associated Tyrosine Kinase	Protein Coding	P43405	59	GC09P099958	7.062872
VKORC1	Vitamin K Epoxide Reductase Complex Subunit 1	Protein Coding	Q9BQB6	58	GC16M044160	7.056891
APC	APC Regulator Of WNT Signaling Pathway	Protein Coding	P25054	58	GC05P112707	7.056531
MIR511	MicroRNA 511	RNA Gene		23	GC10P017845	7.049731
CD68	CD68 Molecule	Protein Coding	P34810	49	GC17P007579	7.049527
MT-ND6	Mitochondrially Encoded NADH:Ubiquinone Oxidoreductase Core Subunit 6	Protein Coding	P03923	40	GCMTM014151	7.043833
UBA1	Ubiquitin Like Modifier Activating Enzyme 1	Protein Coding	P22314	57	GC0XP047190	7.043157
TNFRSF10A	TNF Receptor Superfamily Member 10a	Protein Coding	O00220	54	GC08M023190	7.038044
MIR379	MicroRNA 379	RNA Gene		23	GC14P116757	7.036701
PALB2	Partner And Localizer Of BRCA2	Protein Coding	Q86YC2	53	GC16M023603	7.035931
RUNX1	RUNX Family Transcription Factor 1	Protein Coding	Q01196	59	GC21M034787	7.035561
TNFAIP3	TNF Alpha Induced Protein 3	Protein Coding	P21580	57	GC06P137866	7.034457
SIRT3	Sirtuin 3	Protein Coding	Q9NTG7	56	GC11M000215	7.027232
MT-TS1	Mitochondrially Encoded TRNA-Ser (UCN) 1	RNA Gene		21	GCMTM007447	7.024237
KCNJ11	Potassium Inwardly Rectifying Channel Subfamily J Member 11	Protein Coding	Q14654	54	GC11M017948	7.024063
CLU	Clusterin	Protein Coding	P10909	56	GC08M027596	7.023088
MLXIPL	MLX Interacting Protein Like	Protein Coding	Q9NP71	52	GC07M073593	7.02145
C5AR1	Complement C5a Receptor 1	Protein Coding	P21730	54	GC19P047290	7.021016

TGFBR3	Transforming Growth Factor Beta Receptor 3	Protein Coding	Q03167	54	GC01M091680	7.008697
CTSS	Cathepsin S	Protein Coding	P25774	55	GC01M150730	7.004165
XPNPEP3	X-Prolyl Aminopeptidase 3	Protein Coding	Q9NQH7	50	GC22P040857	6.998403
ITGA2B	Integrin Subunit Alpha 2b	Protein Coding	P08514	60	GC17M077853	6.99802
XIAP	X-Linked Inhibitor Of Apoptosis	Protein Coding	P98170	60	GC0XP123859	6.993521
SCN3A	Sodium Voltage-Gated Channel Alpha Subunit 3	Protein Coding	Q9NY46	56	GC02M165087	6.992616
PSMD4	Proteasome 26S Subunit Ubiquitin Receptor, Non-ATPase 4	Protein Coding	P55036	53	GC01P164294	6.991483
BCHE	Butyrylcholinesterase	Protein Coding	P06276	59	GC03M165772	6.97029
MIR9-1	MicroRNA 9-1	RNA Gene		27	GC01M156420	6.961633
CD1C	CD1c Molecule	Protein Coding	P29017	45	GC01P158289	6.959849
TLR8	Toll Like Receptor 8	Protein Coding	Q9NR97	58	GC0XP012924	6.959808
SCYL1	SCY1 Like Pseudokinase 1	Protein Coding	Q96KG9	47	GC11P065525	6.954261
RNPC3	RNA Binding Region (RNP1, RRM) Containing 3	Protein Coding	Q96LT9	46	GC01P103525	6.947618
AQP3	Aquaporin 3 (Gill Blood Group)	Protein Coding	Q92482	53	GC09M033431	6.94536
FTL	Ferritin Light Chain	Protein Coding	P02792	55	GC19P048965	6.942335
CKB	Creatine Kinase B	Protein Coding	P12277	54	GC14M103519	6.940303
COL5A1	Collagen Type V Alpha 1 Chain	Protein Coding	P20908	55	GC09P134641	6.939779
FKBP6	FKBP Prolyl Isomerase Family Member 6	Protein	O75344	48	GC07P073328	6.937956

	(Inactive)	Coding				
DNAJB6	DnaJ Heat Shock Protein Family (Hsp40) Member B6	Protein Coding	O75190	50	GC07P157335	6.934599
GNAQ	G Protein Subunit Alpha Q	Protein Coding	P50148	58	GC09M077716	6.931222
ATP7B	ATPase Copper Transporting Beta	Protein Coding	P35670	56	GC13M051930	6.921887
AHSG	Alpha 2-HS Glycoprotein	Protein Coding	P02765	53	GC03P186658	6.920004
TNFSF15	TNF Superfamily Member 15	Protein Coding	O95150	52	GC09M114784	6.9193
CALU	Calumenin	Protein Coding	O43852	52	GC07P128739	6.914079
CD69	CD69 Molecule	Protein Coding	Q07108	51	GC12M029488	6.911507
CCL7	C-C Motif Chemokine Ligand 7	Protein Coding	P80098	52	GC17P034270	6.89555
DNM3OS	DNM3 Opposite Strand/Antisense RNA	RNA Gene		25	GC01M172226	6.891505
FBL	Fibrillarin	Protein Coding	P22087	51	GC19M039834	6.890148
PSMB1	Proteasome 20S Subunit Beta 1	Protein Coding	P20618	54	GC06M170535	6.88123
PHKG2	Phosphorylase Kinase Catalytic Subunit Gamma 2	Protein Coding	P15735	53	GC16P081669	6.880504
PDZK1	PDZ Domain Containing 1	Protein Coding	Q5T2W1	50	GC01M145670	6.877295
MIR429	MicroRNA 429	RNA Gene		27	GC01P020466	6.876862
COL4A3	Collagen Type IV Alpha 3 Chain	Protein Coding	Q01955	54	GC02P227164	6.876248
AREG	Amphiregulin	Protein Coding	P15514	52	GC04P074445	6.867801
PSMC5	Proteasome 26S Subunit, ATPase 5	Protein Coding	P62195	51	GC17P063827	6.865596
DYSF	Dysferlin	Protein	O75923	51	GC02P071453	6.861848

		Coding				
PSMD3	Proteasome 26S Subunit, Non-ATPase 3	Protein Coding	O43242	51	GC17P039980	6.851632
PTGER4	Prostaglandin E Receptor 4	Protein Coding	P35408	54	GC05P040679	6.851199
MIR106A	MicroRNA 106a	RNA Gene		26	GC0XM134463	6.848035
CD63	CD63 Molecule	Protein Coding	P08962	52	GC12M056016	6.841595
TOM1	Target Of Myb1 Membrane Trafficking Protein	Protein Coding	O60784	50	GC22P035299	6.834479
MORC3	MORC Family CW-Type Zinc Finger 3	Protein Coding	Q14149	46	GC21P036320	6.82837
MTMR10	Myotubularin Related Protein 10	Protein Coding	Q9NXD2	45	GC15M039209	6.809264
BCL6	BCL6 Transcription Repressor	Protein Coding	P41182	54	GC03M187721	6.799036
ATXN2	Ataxin 2	Protein Coding	Q99700	53	GC12M111443	6.795224
ILK	Integrin Linked Kinase	Protein Coding	Q13418	53	GC11P010969	6.787276
CA12	Carbonic Anhydrase 12	Protein Coding	O43570	53	GC15M063321	6.783931
TLN1	Talin 1	Protein Coding	Q9Y490	50	GC09M035696	6.781721
NT5E	5'-Nucleotidase Ecto	Protein Coding	P21589	60	GC06P085449	6.77038
NOTCH4	Notch Receptor 4	Protein Coding	Q99466	55	GC06M093816	6.764227
TH	Tyrosine Hydroxylase	Protein Coding	P07101	59	GC11M002163	6.761915
KCNJ1	Potassium Inwardly Rectifying Channel Subfamily J Member 1	Protein Coding	P48048	56	GC11M128741	6.76175
GCH1	GTP Cyclohydrolase 1	Protein Coding	P30793	56	GC14M054842	6.756332

ETV6	ETS Variant Transcription Factor 6	Protein Coding	P41212	54	GC12P011649	6.754031
PLOD2	Procollagen-Lysine,2-Oxoglutarate 5-Dioxygenase 2	Protein Coding	O00469	53	GC03M146035	6.751549
PSMB3	Proteasome 20S Subunit Beta 3	Protein Coding	P49720	49	GC17P038752	6.74091
MEF2C	Myocyte Enhancer Factor 2C	Protein Coding	Q06413	56	GC05M088718	6.739252
SKIC2	SKI2 Subunit Of Superkiller Complex	Protein Coding	Q15477	52	GC06P144468	6.732717
MUC6	Mucin 6, Oligomeric Mucus/Gel-Forming	Protein Coding	Q6W4X9	48	GC11M001012	6.731596
ALPK3	Alpha Kinase 3	Protein Coding	Q96L96	44	GC15P158137	6.727709
IRF4	Interferon Regulatory Factor 4	Protein Coding	Q15306	52	GC06P000391	6.72473
PDIA3	Protein Disulfide Isomerase Family A Member 3	Protein Coding	P30101	52	GC15P043746	6.716613
SLC25A24	Solute Carrier Family 25 Member 24	Protein Coding	Q6NUK1	51	GC01M108134	6.713204
IL25	Interleukin 25	Protein Coding	Q9H293	47	GC14P045946	6.71279
SCN2B	Sodium Voltage-Gated Channel Beta Subunit 2	Protein Coding	O60939	55	GC11M126500	6.712095
PSMD1	Proteasome 26S Subunit, Non-ATPase 1	Protein Coding	Q99460	50	GC02P231056	6.710343
BCR	BCR Activator Of RhoGEF And GTPase	Protein Coding	P11274	60	GC22P023179	6.7036
MIR382	MicroRNA 382	RNA Gene		24	GC14P116761	6.698883
LEPQTL1	Leptin, Serum Levels Of	Genetic Locus		10	GC02U903086	6.691053
FKRP	Fukutin Related Protein	Protein Coding	Q9H9S5	48	GC19P113296	6.689804
DYNC2I1	Dynein 2 Intermediate Chain 1	Protein Coding	Q8WVS4	45	GC07P158839	6.68838

HEY1	Hes Related Family BHLH Transcription Factor With YRPW Motif 1	Protein Coding	Q9Y5J3	51	GC08M079764	6.676013
MIRLET7G	MicroRNA Let-7g	RNA Gene		26	GC03M052268	6.669223
RPS27A	Ribosomal Protein S27a	Protein Coding	P62979	52	GC02P055231	6.667849
DNAJB1	DnaJ Heat Shock Protein Family (Hsp40) Member B1	Protein Coding	P25685	53	GC19M014514	6.661084
MMEL1	Membrane Metalloendopeptidase Like 1	Protein Coding	Q495T6	46	GC01M002590	6.646176
EHMT2	Euchromatic Histone Lysine Methyltransferase 2	Protein Coding	Q96KQ7	55	GC06M031879	6.645556
ST2	Suppression Of Tumorigenicity 2	Genetic Locus		10	GC11U990127	6.638936
PRKG2	Protein Kinase CGMP-Dependent 2	Protein Coding	Q13237	55	GC04M081087	6.636045
ITGB6	Integrin Subunit Beta 6	Protein Coding	P18564	56	GC02M160099	6.635938
RNASE2	Ribonuclease A Family Member 2	Protein Coding	P10153	49	GC14P045746	6.628861
ADORA1	Adenosine A1 Receptor	Protein Coding	P30542	56	GC01P203090	6.609902
CCN1	Cellular Communication Network Factor 1	Protein Coding	O00622	49	GC01P085585	6.609571
ALPL	Alkaline Phosphatase, Biomineralization Associated	Protein Coding	P05186	59	GC01P021508	6.607068
ACAN	Aggrecan	Protein Coding	P16112	55	GC15P158208	6.606579
ASXL1	ASXL Transcriptional Regulator 1	Protein Coding	Q8IXJ9	53	GC20P040700	6.60631
LEFTY2	Left-Right Determination Factor 2	Protein Coding	O00292	52	GC01M226591	6.599387
MUC16	Mucin 16, Cell Surface Associated	Protein Coding	Q8WXI7	46	GC19M008848	6.593307
MIR30E	MicroRNA 30e	RNA Gene		30	GC01P040754	6.591832
HSD11B2	Hydroxysteroid 11-Beta Dehydrogenase 2	Protein	P80365	54	GC16P082836	6.590706

		Coding				
MT-CYB	Mitochondrially Encoded Cytochrome B	Protein Coding	P00156	40	GCMTP014749	6.583185
YY1	YY1 Transcription Factor	Protein Coding	P25490	56	GC14P100238	6.581191
MIR139	MicroRNA 139	RNA Gene		28	GC11M072615	6.56582
MAPT-AS1	MAPT Antisense RNA 1	RNA Gene		23	GC17M045799	6.565495
KRT20	Keratin 20	Protein Coding	P35900	49	GC17M040875	6.564988
MIR424	MicroRNA 424	RNA Gene		26	GC0XM134753	6.559267
ANXA6	Annexin A6	Protein Coding	P08133	52	GC05M151100	6.558028
PIM1	Pim-1 Proto-Oncogene, Serine/Threonine Kinase	Protein Coding	P11309	58	GC06P134993	6.557857
CD46	CD46 Molecule	Protein Coding	P15529	56	GC01P207752	6.55735
FAS-AS1	FAS Antisense RNA 1	RNA Gene		21	GC10M088991	6.554406
IL13RA1	Interleukin 13 Receptor Subunit Alpha 1	Protein Coding	P78552	50	GC0XP118727	6.553186
GFAP	Glial Fibrillary Acidic Protein	Protein Coding	P14136	57	GC17M077883	6.549759
AIM2	Absent In Melanoma 2	Protein Coding	O14862	50	GC01M161299	6.549464
FLNB	Filamin B	Protein Coding	O75369	55	GC03P058008	6.546371
IFNGR2	Interferon Gamma Receptor 2	Protein Coding	P38484	53	GC21P033402	6.542922
SOX2-OT	SOX2 Overlapping Transcript	RNA Gene		32	GC03P180989	6.542432
FAP	Fibroblast Activation Protein Alpha	Protein Coding	Q12884	54	GC02M162170	6.542246
PLAUR	Plasminogen Activator, Urokinase Receptor	Protein Coding	Q03405	53	GC19M043646	6.541713
GSR	Glutathione-Disulfide Reductase	Protein	P00390	59	GC08M030678	6.536129

		Coding				
PKM	Pyruvate Kinase M1/2	Protein Coding	P14618	58	GC15M072199	6.533996
SNAI2	Snail Family Transcriptional Repressor 2	Protein Coding	O43623	52	GC08M048917	6.522435
BACH2	BTB Domain And CNC Homolog 2	Protein Coding	Q9BYV9	51	GC06M089926	6.520783
TNNT1	Troponin T1, Slow Skeletal Type	Protein Coding	P13805	50	GC19M055132	6.516916
TRE-TTC3-1	TRNA-Glu (Anticodon TTC) 3-1	RNA Gene		17	GC01P041019	6.515285
MOG	Myelin Oligodendrocyte Glycoprotein	Protein Coding	Q16653	54	GC06P134753	6.503264
SPDL1	Spindle Apparatus Coiled-Coil Protein 1	Protein Coding	Q96EA4	38	GC05P169583	6.496674
ASTN2	Astrotactin 2	Protein Coding	O75129	47	GC09M117680	6.495372
ATP1B1	ATPase Na+/K+ Transporting Subunit Beta 1	Protein Coding	P05026	55	GC01P169105	6.486267
FCN3	Ficolin 3	Protein Coding	O75636	52	GC01M031129	6.484293
PSMB4	Proteasome 20S Subunit Beta 4	Protein Coding	P28070	54	GC01P151399	6.480011
MIR26B	MicroRNA 26b	RNA Gene		29	GC02P218402	6.474247
NAT1	N-Acetyltransferase 1	Protein Coding	P18440	53	GC08P018183	6.469822
DOLK	Dolichol Kinase	Protein Coding	Q9UPQ8	47	GC09M128945	6.465581
LONP1	Lon Peptidase 1, Mitochondrial	Protein Coding	P36776	54	GC19M005691	6.46526
TRPM4	Transient Receptor Potential Cation Channel Subfamily M Member 4	Protein Coding	Q8TD43	51	GC19P049157	6.464534
GNAS	GNAS Complex Locus	Protein Coding	P84996	59	GC20P058839	6.461335
MIR216A	MicroRNA 216a	RNA Gene		27	GC02M055988	6.459636

GALNT3	Polypeptide N-Acetylgalactosaminyltransferase 3	Protein Coding	Q14435	54	GC02M165747	6.453869
HEY2	Hes Related Family BHLH Transcription Factor With YRPW Motif 2	Protein Coding	Q9UBP5	47	GC06P136340	6.445961
SPI1	Spi-1 Proto-Oncogene	Protein Coding	P17947	51	GC11M125006	6.439561
ATP5F1A	ATP Synthase F1 Subunit Alpha	Protein Coding	P25705	54	GC18M046081	6.43115
RCN3	Reticulocalbin 3	Protein Coding	Q96D15	42	GC19P113427	6.42138
IL5RA	Interleukin 5 Receptor Subunit Alpha	Protein Coding	Q01344	55	GC03M003066	6.42075
ACVR1B	Activin A Receptor Type 1B	Protein Coding	P36896	54	GC12P051951	6.420731
HTR1A	5-Hydroxytryptamine Receptor 1A	Protein Coding	P08908	55	GC05M063960	6.418098
DDAH2	DDAH Family Member 2, ADMA-Independent	Protein Coding	O95865	49	GC06M031727	6.416911
DHFR	Dihydrofolate Reductase	Protein Coding	P00374	58	GC05M080626	6.414802
PLEC	Plectin	Protein Coding	Q15149	52	GC08M146598	6.408759
AQP9	Aquaporin 9	Protein Coding	O43315	50	GC15P058138	6.38713
GATA3	GATA Binding Protein 3	Protein Coding	P23771	58	GC10P008045	6.384974
IGES	Immunoglobulin E Concentration, Serum	Genetic Locus		10	GC05U990033	6.383632
IDO1	Indoleamine 2,3-Dioxygenase 1	Protein Coding	P14902	55	GC08P040225	6.380677
LTBP3	Latent Transforming Growth Factor Beta Binding Protein 3	Protein Coding	Q9NS15	52	GC11M065538	6.377264
F9	Coagulation Factor IX	Protein Coding	P00740	56	GC0XP139530	6.376302
NCF2	Neutrophil Cytosolic Factor 2	Protein	P19878	54	GC01M185801	6.372402

		Coding				
CD81	CD81 Molecule	Protein Coding	P60033	54	GC11P010694	6.366786
IRF8	Interferon Regulatory Factor 8	Protein Coding	Q02556	54	GC16P094239	6.364325
TTC7A	Tetratricopeptide Repeat Domain 7A	Protein Coding	Q9ULT0	47	GC02P046919	6.36397
ITGAL	Integrin Subunit Alpha L	Protein Coding	P20701	55	GC16P030472	6.363144
WNT9B	Wnt Family Member 9B	Protein Coding	O14905	50	GC17P046833	6.36202
ETFDH	Electron Transfer Flavoprotein Dehydrogenase	Protein Coding	Q16134	54	GC04P158672	6.358
VPS33B	VPS33B Late Endosome And Lysosome Associated	Protein Coding	Q9H267	50	GC15M090998	6.351507
GALC	Galactosylceramidase	Protein Coding	P54803	53	GC14M087837	6.347898
MIR99B	MicroRNA 99b	RNA Gene		27	GC19P051692	6.345173
ROBO4	Roundabout Guidance Receptor 4	Protein Coding	Q8WZ75	52	GC11M124883	6.33957
MRTFA	Myocardin Related Transcription Factor A	Protein Coding	Q969V6	49	GC22M077944	6.33037
HPX	Hemopexin	Protein Coding	P02790	50	GC11M012117	6.33016
SLC41A1	Solute Carrier Family 41 Member 1	Protein Coding	Q8IVJ1	47	GC01M205789	6.322559
E2F1	E2F Transcription Factor 1	Protein Coding	Q01094	53	GC20M033675	6.317254
NUP107	Nucleoporin 107	Protein Coding	P57740	52	GC12P068686	6.311725
SMARCAL1	SWI/SNF Related, Matrix Associated, Actin Dependent Regulator Of Chromatin, Subfamily A Like 1	Protein Coding	Q9NZC9	55	GC02P216412	6.311697
ERCC2	ERCC Excision Repair 2, TFIIH Core Complex	Protein	P18074	56	GC19M045349	6.311182

	Helicase Subunit	Coding				
SKIC3	SKI3 Subunit Of Superkiller Complex	Protein Coding	Q6PGP7	47	GC05M095461	6.303814
CYSLTR2	Cysteinyl Leukotriene Receptor 2	Protein Coding	Q9NS75	54	GC13P048653	6.302737
PAX6	Paired Box 6	Protein Coding	P26367	57	GC11M031784	6.301095
MIR199A2	MicroRNA 199a-2	RNA Gene		26	GC01M172235	6.288166
BBS10	Bardet-Biedl Syndrome 10	Protein Coding	Q8TAM1	50	GC12M076344	6.277195
COL4A2	Collagen Type IV Alpha 2 Chain	Protein Coding	P08572	55	GC13P110305	6.271552
XYLT1	Xylosyltransferase 1	Protein Coding	Q86Y38	51	GC16M017101	6.267023
TUBG1	Tubulin Gamma 1	Protein Coding	P23258	57	GC17P042609	6.249638
GATA1	GATA Binding Protein 1	Protein Coding	P15976	55	GC0XP048786	6.248247
PSMB5	Proteasome 20S Subunit Beta 5	Protein Coding	P28074	52	GC14M023016	6.244634
TCF4	Transcription Factor 4	Protein Coding	P15884	56	GC18M055222	6.24397
KCNA3	Potassium Voltage-Gated Channel Subfamily A Member 3	Protein Coding	P22001	53	GC01M110654	6.242675
SYNE1	Spectrin Repeat Containing Nuclear Envelope Protein 1	Protein Coding	Q8NF91	50	GC06M152121	6.242066
CHRNA1	Cholinergic Receptor Nicotinic Alpha 1 Subunit	Protein Coding	P02708	54	GC02M174747	6.241469
BTK	Bruton Tyrosine Kinase	Protein Coding	Q06187	62	GC0XM101349	6.233888
GPI	Glucose-6-Phosphate Isomerase	Protein Coding	P06744	56	GC19P034359	6.231064
SLC34A3	Solute Carrier Family 34 Member 3	Protein Coding	Q8N130	50	GC09P141949	6.224647

PHOX2B	Paired Like Homeobox 2B	Protein Coding	Q99453	53	GC04M041746	6.215127
VAPB	VAMP Associated Protein B And C	Protein Coding	O95292	53	GC20P058389	6.214857
DGUOK	Deoxyguanosine Kinase	Protein Coding	Q16854	52	GC02P073926	6.20934
XBP1	X-Box Binding Protein 1	Protein Coding	P17861	55	GC22M028794	6.209245
BECN1	Beclin 1	Protein Coding	Q14457	55	GC17M042810	6.207026
CXCL13	C-X-C Motif Chemokine Ligand 13	Protein Coding	O43927	49	GC04P077511	6.205503
AIRE	Autoimmune Regulator	Protein Coding	O43918	53	GC21P044285	6.198531
DNAH9	Dynein Axonemal Heavy Chain 9	Protein Coding	Q9NYC9	46	GC17P011598	6.19634
RAB8A	RAB8A, Member RAS Oncogene Family	Protein Coding	P61006	49	GC19P016111	6.189653
STH	Saitohin	Protein Coding	Q8IWL8	39	GC17P045999	6.175618
CS	Citrate Synthase	Protein Coding	O75390	54	GC12M056271	6.173635
TFR2	Transferrin Receptor 2	Protein Coding	Q9UP52	53	GC07M100620	6.169945
THSD7A	Thrombospondin Type 1 Domain Containing 7A	Protein Coding	Q9UPZ6	46	GC07M011371	6.167496
ZNF423	Zinc Finger Protein 423	Protein Coding	Q2M1K9	47	GC16M049487	6.161017
ATRX	ATRX Chromatin Remodeler	Protein Coding	P46100	55	GC0XM077504	6.158347
NPC1	NPC Intracellular Cholesterol Transporter 1	Protein Coding	O15118	59	GC18M023506	6.154593
PRSS8	Serine Protease 8	Protein Coding	Q16651	54	GC16M044164	6.149418

ITGB2	Integrin Subunit Beta 2	Protein Coding	P05107	59	GC21M044885	6.146595
MTR	5-Methyltetrahydrofolate-Homocysteine Methyltransferase	Protein Coding	Q99707	56	GC01P236795	6.141353
MUS81	MUS81 Structure-Specific Endonuclease Subunit	Protein Coding	Q96NY9	49	GC11P089117	6.140798
MX1	MX Dynamin Like GTPase 1	Protein Coding	P20591	50	GC21P041420	6.140432
MFN2	Mitofusin 2	Protein Coding	O95140	57	GC01P011980	6.139435
PRKD1	Protein Kinase D1	Protein Coding	Q15139	58	GC14M029576	6.138187
CDKN2B	Cyclin Dependent Kinase Inhibitor 2B	Protein Coding	P42772	54	GC09M022002	6.13616
IL9R	Interleukin 9 Receptor	Protein Coding	Q01113	45	GC0XP155997	6.13533
IARS1	Isoleucyl-TRNA Synthetase 1	Protein Coding	P41252	52	GC09M109410	6.132172
MIRLET7I	MicroRNA Let-7i	RNA Gene		28	GC12P062690	6.127497
KCND3	Potassium Voltage-Gated Channel Subfamily D Member 3	Protein Coding	Q9UK17	55	GC01M111770	6.125657
NR5A1	Nuclear Receptor Subfamily 5 Group A Member 1	Protein Coding	Q13285	58	GC09M124481	6.122957
PWAR4	Prader Willi/Angelman Region RNA 4	RNA Gene		15	GC15P025211	6.121393
POLR1C	RNA Polymerase I And III Subunit C	Protein Coding	O15160	53	GC06P135045	6.120524
CD1A	CD1a Molecule	Protein Coding	P06126	48	GC01P164755	6.116104
ERAP1	Endoplasmic Reticulum Aminopeptidase 1	Protein Coding	Q9NZ08	53	GC05M096760	6.115026
VEGFD	Vascular Endothelial Growth Factor D	Protein Coding	O43915	49	GC0XM015345	6.111546
ETS1	ETS Proto-Oncogene 1, Transcription Factor	Protein Coding	P14921	56	GC11M128458	6.106425

BCL2L1	BCL2 Like 1	Protein Coding	Q07817	57	GC20M031664	6.094899
CYP2C19	Cytochrome P450 Family 2 Subfamily C Member 19	Protein Coding	P33261	53	GC10P094762	6.094797
PSMA2	Proteasome 20S Subunit Alpha 2	Protein Coding	P25787	52	GC07M042916	6.092759
PSMB2	Proteasome 20S Subunit Beta 2	Protein Coding	P49721	51	GC01M035599	6.092759
MT-TH	Mitochondrially Encoded TRNA-His (CAU/C)	RNA Gene		19	GCMTP012140	6.08155
NFATC3	Nuclear Factor Of Activated T Cells 3	Protein Coding	Q12968	50	GC16P068084	6.079785
SNRNP70	Small Nuclear Ribonucleoprotein U1 Subunit 70	Protein Coding	P08621	48	GC19P049085	6.067129
CEACAM5	CEA Cell Adhesion Molecule 5	Protein Coding	P06731	52	GC19P113136	6.06672
APCS	Amyloid P Component, Serum	Protein Coding	P02743	51	GC01P159587	6.065467
MTUS2	Microtubule Associated Scaffold Protein 2	Protein Coding	Q5JR59	43	GC13P028820	6.064483
SLCO1B1	Solute Carrier Organic Anion Transporter Family Member 1B1	Protein Coding	Q9Y6L6	55	GC12P039359	6.06214
PTRH2	Peptidyl-TRNA Hydrolase 2	Protein Coding	Q9Y3E5	52	GC17M059674	6.062002
CHAT	Choline O-Acetyltransferase	Protein Coding	P28329	57	GC10P049609	6.057597
DERL2	Derlin 2	Protein Coding	Q9GZP9	45	GC17M005471	6.055461
SLC26A3	Solute Carrier Family 26 Member 3	Protein Coding	P40879	54	GC07M107765	6.047657
MIR532	MicroRNA 532	RNA Gene		24	GC0XP057619	6.045824
LIF	LIF Interleukin 6 Family Cytokine	Protein Coding	P15018	53	GC22M030240	6.042406
MIR345	MicroRNA 345	RNA Gene		26	GC14P100307	6.039038
MIR95	MicroRNA 95	RNA Gene		25	GC04M008013	6.037341

ENO1	Enolase 1	Protein Coding	P06733	56	GC01M008861	6.037261
HCCAT5	Hepatocellular Carcinoma Associated Transcript 5	RNA Gene		23	GC16P073092	6.036504
SPRED2	Sprouty Related EVH1 Domain Containing 2	Protein Coding	Q7Z698	50	GC02M065307	6.036137
STK11	Serine/Threonine Kinase 11	Protein Coding	Q15831	59	GC19P001177	6.035955
BNC2	Basonuclin Zinc Finger Protein 2	Protein Coding	Q6ZN30	47	GC09M016410	6.03563
TCIRG1	T Cell Immune Regulator 1, ATPase H+ Transporting V0 Subunit A3	Protein Coding	Q13488	53	GC11P089285	6.028054
TIMP4	TIMP Metallopeptidase Inhibitor 4	Protein Coding	Q99727	46	GC03M012153	6.026754
RASGRP1	RAS Guanyl Releasing Protein 1	Protein Coding	O95267	54	GC15M038488	6.022697
HSPE1	Heat Shock Protein Family E (Hsp10) Member 1	Protein Coding	P61604	51	GC02P197501	6.017442
NGF	Nerve Growth Factor	Protein Coding	P01138	60	GC01M115285	6.015468
CD38	CD38 Molecule	Protein Coding	P28907	55	GC04P024672	6.013636
KAT6B	Lysine Acetyltransferase 6B	Protein Coding	Q8WYB5	53	GC10P074918	6.01149
LPP	LIM Domain Containing Preferred Translocation Partner In Lipoma	Protein Coding	Q93052	53	GC03P188153	6.002445
DNM1L	Dynamin 1 Like	Protein Coding	O00429	57	GC12P032679	6.001958
SEPSECS	Sep (O-Phosphoserine) TRNA:Sec (Selenocysteine) TRNA Synthase	Protein Coding	Q9HD40	52	GC04M025121	5.989659
C5	Complement C5	Protein Coding	P01031	53	GC09M120933	5.984908
S100B	S100 Calcium Binding Protein B	Protein Coding	P04271	53	GC21M053599	5.983781
MAP3K8	Mitogen-Activated Protein Kinase Kinase Kinase 8	Protein	P41279	54	GC10P030795	5.982647

		Coding				
ZFYVE19	Zinc Finger FYVE-Type Containing 19	Protein Coding	Q96K21	43	GC15P157089	5.981029
CCL26	C-C Motif Chemokine Ligand 26	Protein Coding	Q9Y258	47	GC07M075769	5.977645
XRCC3	X-Ray Repair Cross Complementing 3	Protein Coding	O43542	51	GC14M103697	5.972137
MS4A1	Membrane Spanning 4-Domains A1	Protein Coding	P11836	55	GC11P088664	5.970788
IRF3	Interferon Regulatory Factor 3	Protein Coding	Q14653	54	GC19M049659	5.965593
CAPN10	Calpain 10	Protein Coding	Q9HC96	49	GC02P240586	5.960886
HADHA	Hydroxyacyl-CoA Dehydrogenase Trifunctional Multienzyme Complex Subunit Alpha	Protein Coding	P40939	55	GC02M026190	5.954407
CALCR	Calcitonin Receptor	Protein Coding	P30988	56	GC07M093424	5.95369
RNY3	RNA, Ro60-Associated Y3	RNA Gene		22	GC07P157981	5.951872
CD177	CD177 Molecule	Protein Coding	Q8N6Q3	47	GC19P043353	5.945873
ARSA	Arylsulfatase A	Protein Coding	P15289	56	GC22M050622	5.944253
MIR4435-2HG	MIR4435-2 Host Gene	RNA Gene		24	GC02M112967	5.943998
IVD	Isovaleryl-CoA Dehydrogenase	Protein Coding	P26440	51	GC15P040405	5.942214
GMPPB	GDP-Mannose Pyrophosphorylase B	Protein Coding	Q9Y5P6	52	GC03M049716	5.942046
ANXA11	Annexin A11	Protein Coding	P50995	52	GC10M080150	5.941659
ACKR3	Atypical Chemokine Receptor 3	Protein Coding	P25106	50	GC02P236537	5.936558
RIGI	RNA Sensor RIG-I	Protein Coding	O95786	56	GC09M032525	5.935726
ANK1	Ankyrin 1	Protein	P16157	54	GC08M041653	5.935313

		Coding				
RNU4ATAC	RNA, U4atac Small Nuclear	RNA Gene		27	GC02P143804	5.932382
MALT1	MALT1 Paracaspase	Protein Coding	Q9UDY8	56	GC18P058671	5.924998
CDKN1C	Cyclin Dependent Kinase Inhibitor 1C	Protein Coding	P49918	53	GC11M011929	5.923968
HBA2	Hemoglobin Subunit Alpha 2	Protein Coding	P69905	50	GC16P080150	5.921309
VEGFB	Vascular Endothelial Growth Factor B	Protein Coding	P49765	52	GC11P064234	5.920328
RHO	Rhodopsin	Protein Coding	P08100	56	GC03P139009	5.92011
EYA1	EYA Transcriptional Coactivator And Phosphatase 1	Protein Coding	Q99502	52	GC08M071210	5.91838
ERBB4	Erb-B2 Receptor Tyrosine Kinase 4	Protein Coding	Q15303	63	GC02M211375	5.914654
B3GAT1	Beta-1,3-Glucuronyltransferase 1	Protein Coding	Q9P2W7	52	GC11M134378	5.911154
HYAL1	Hyaluronidase 1	Protein Coding	Q12794	55	GC03M050299	5.910943
DROSHA	Drosha Ribonuclease III	Protein Coding	Q9NRR4	53	GC05M031401	5.910346
TJP1	Tight Junction Protein 1	Protein Coding	Q07157	54	GC15M029699	5.898981
ITGAV	Integrin Subunit Alpha V	Protein Coding	P06756	56	GC02P186589	5.897876
TNFRSF6B	TNF Receptor Superfamily Member 6b	Protein Coding	O95407	50	GC20P063696	5.890915
IL16	Interleukin 16	Protein Coding	Q14005	50	GC15P081159	5.882744
ADAMTSL1	ADAMTS Like 1	Protein Coding	Q8N6G6	50	GC09P017906	5.879863
BGN	Biglycan	Protein Coding	P21810	53	GC0XP153494	5.879091

ASL	Argininosuccinate Lyase	Protein Coding	P04424	53	GC07P066075	5.878284
TRPC3	Transient Receptor Potential Cation Channel Subfamily C Member 3	Protein Coding	Q13507	55	GC04M121879	5.876761
MVP	Major Vault Protein	Protein Coding	Q14764	50	GC16P081559	5.87111
ECE2	Endothelin Converting Enzyme 2	Protein Coding	P0DPD6	47	GC03P184276	5.870502
RPL3L	Ribosomal Protein L3 Like	Protein Coding	Q92901	46	GC16M001943	5.86718
MIR369	MicroRNA 369	RNA Gene		25	GC14P116751	5.86136
TBP	TATA-Box Binding Protein	Protein Coding	P20226	58	GC06P170554	5.858653
MYL4	Myosin Light Chain 4	Protein Coding	P12829	51	GC17P047189	5.857433
LRMDA	Leucine Rich Melanocyte Differentiation Associated	Protein Coding	Q9H2I8	44	GC10P075480	5.852737
KEAP1	Kelch Like ECH Associated Protein 1	Protein Coding	Q14145	56	GC19M010486	5.845872
UFD1	Ubiquitin Recognition Factor In ER Associated Degradation 1	Protein Coding	Q92890	51	GC22M020042	5.843418
DEPTOR	DEP Domain Containing MTOR Interacting Protein	Protein Coding	Q8TB45	48	GC08P119873	5.840901
FANCM	FA Complementation Group M	Protein Coding	Q8IYD8	51	GC14P045135	5.835064
CSK	C-Terminal Src Kinase	Protein Coding	P41240	55	GC15P074782	5.832883
WWTR1	WW Domain Containing Transcription Regulator 1	Protein Coding	Q9GZV5	46	GC03M149517	5.827751
GP6	Glycoprotein VI Platelet	Protein Coding	Q9HCN6	54	GC19M055013	5.825794
NCAM1	Neural Cell Adhesion Molecule 1	Protein Coding	P13591	57	GC11P112961	5.819587
CLEC12A	C-Type Lectin Domain Family 12 Member A	Protein	Q5QGZ9	47	GC12P009951	5.815782

		Coding				
RAB27A	RAB27A, Member RAS Oncogene Family	Protein Coding	P51159	55	GC15M055202	5.810737
PTPRO	Protein Tyrosine Phosphatase Receptor Type O	Protein Coding	Q16827	53	GC12P039278	5.806076
CTSL	Cathepsin L	Protein Coding	P07711	56	GC09P087725	5.80179
CD47	CD47 Molecule	Protein Coding	Q08722	53	GC03M108043	5.795722
LOC110006319	Beta-Globin Gene 3' Regulatory Region	Functional Element		10	GC11P005223	5.794601
IL10RA	Interleukin 10 Receptor Subunit Alpha	Protein Coding	Q13651	53	GC11P117993	5.790385
CTSK	Cathepsin K	Protein Coding	P43235	58	GC01M160791	5.789139
MYOM2	Myomesin 2	Protein Coding	P54296	46	GC08P002045	5.787353
RAB11A	RAB11A, Member RAS Oncogene Family	Protein Coding	P62491	54	GC15P157667	5.785429
TG	Thyroglobulin	Protein Coding	P01266	53	GC08P132866	5.782405
PROCR	Protein C Receptor	Protein Coding	Q9UNN8	51	GC20P035171	5.780482
SNRPN	Small Nuclear Ribonucleoprotein Polypeptide N	Protein Coding	P63162	53	GC15P024823	5.77217
HESX1	HESX Homeobox 1	Protein Coding	Q9UBX0	47	GC03M057207	5.771587
APOL1	Apolipoprotein L1	Protein Coding	O14791	53	GC22P036253	5.767424
CEP83	Centrosomal Protein 83	Protein Coding	Q9Y592	45	GC12M094265	5.751233
PTPN1	Protein Tyrosine Phosphatase Non-Receptor Type 1	Protein Coding	P18031	58	GC20P050510	5.748533
SLX4	SLX4 Structure-Specific Endonuclease Subunit	Protein Coding	Q8IY92	47	GC16M003581	5.747193

ID1	Inhibitor Of DNA Binding 1	Protein Coding	P41134	50	GC20P031605	5.744209
TRPM7	Transient Receptor Potential Cation Channel Subfamily M Member 7	Protein Coding	Q96QT4	51	GC15M050552	5.744068
THSD4	Thrombospondin Type 1 Domain Containing 4	Protein Coding	Q6ZMP0	47	GC15P071096	5.74142
UNC13D	Unc-13 Homolog D	Protein Coding	Q70J99	51	GC17M075827	5.74007
AXIN1	Axin 1	Protein Coding	O15169	55	GC16M000287	5.738468
FMR1	Fragile X Messenger Ribonucleoprotein 1	Protein Coding	Q06787	53	GC0XP148000	5.736861
AGK	Acylglycerol Kinase	Protein Coding	Q53H12	50	GC07P141551	5.736111
DBH	Dopamine Beta-Hydroxylase	Protein Coding	P09172	60	GC09P133636	5.73521
BANF1	BAF Nuclear Assembly Factor 1	Protein Coding	O75531	51	GC11P066002	5.720216
PCDH19	Protocadherin 19	Protein Coding	Q8TAB3	52	GC0XM100291	5.71918
RGS5	Regulator Of G Protein Signaling 5	Protein Coding	O15539	47	GC01M163111	5.714815
CACNA1D	Calcium Voltage-Gated Channel Subunit Alpha1 D	Protein Coding	Q01668	56	GC03P053328	5.70782
BAP1	BRCA1 Associated Protein 1	Protein Coding	Q92560	56	GC03M052401	5.707186
ROCK2	Rho Associated Coiled-Coil Containing Protein Kinase 2	Protein Coding	O75116	53	GC02M011472	5.704462
XK	X-Linked Kx Blood Group Antigen, Kell And VPS13A Binding Protein	Protein Coding	P51811	49	GC0XP037685	5.702429
NRP1	Neuropilin 1	Protein Coding	O14786	56	GC10M033177	5.696831
CACNA2D1	Calcium Voltage-Gated Channel Auxiliary Subunit Alpha2delta 1	Protein Coding	P54289	55	GC07M081946	5.687879

MIP	Major Intrinsic Protein Of Lens Fiber	Protein Coding	P30301	48	GC12M056449	5.687757
GPD1L	Glycerol-3-Phosphate Dehydrogenase 1 Like	Protein Coding	Q8N335	52	GC03P032120	5.685468
PRDX1	Peroxiredoxin 1	Protein Coding	Q06830	58	GC01M045753	5.68468
KIF20A	Kinesin Family Member 20A	Protein Coding	O95235	47	GC05P138222	5.681412
MIR148B	MicroRNA 148b	RNA Gene		28	GC12P054337	5.679451
IRX2-DT	IRX2 Divergent Transcript	RNA Gene	Q86SI9	34	GC05P002751	5.676186
IDS	Iduronate 2-Sulfatase	Protein Coding	P22304	56	GC0XM149476	5.670686
STX6	Syntaxin 6	Protein Coding	O43752	47	GC01M180972	5.669779
OSM	Oncostatin M	Protein Coding	P13725	52	GC22M030262	5.664305
PHKA2	Phosphorylase Kinase Regulatory Subunit Alpha 2	Protein Coding	P46019	53	GC0XM018892	5.661695
ROCR	Regulator Of Chondrogenesis RNA	RNA Gene		17	GC17M078907	5.661242
NTRK2	Neurotrophic Receptor Tyrosine Kinase 2	Protein Coding	Q16620	62	GC09P084668	5.658405
CETP	Cholesteryl Ester Transfer Protein	Protein Coding	P11597	55	GC16P056961	5.649424
WNT3	Wnt Family Member 3	Protein Coding	P56703	55	GC17M046762	5.645696
AREL1	Apoptosis Resistant E3 Ubiquitin Protein Ligase 1	Protein Coding	O15033	44	GC14M074653	5.644395
RNU6-1	RNA, U6 Small Nuclear 1	RNA Gene		21	GC15M067839	5.642771
FOXO1	Forkhead Box O1	Protein Coding	Q12778	60	GC13M040555	5.63857
NBEAL2	Neurobeachin Like 2	Protein Coding	Q6ZNJ1	50	GC03P046979	5.636792
SAA1	Serum Amyloid A1	Protein Coding	P0DJI8	47	GC11P019139	5.634394

DLL3	Delta Like Canonical Notch Ligand 3	Protein Coding	Q9NYJ7	50	GC19P039498	5.633935
STXBP2	Syntaxin Binding Protein 2	Protein Coding	Q15833	53	GC19P112137	5.629071
GJB1	Gap Junction Protein Beta 1	Protein Coding	P08034	55	GC0XP071212	5.627996
CASP9	Caspase 9	Protein Coding	P55211	56	GC01M015491	5.625371
TPMT	Thiopurine S-Methyltransferase	Protein Coding	P51580	55	GC06M018128	5.625113
CYP17A1	Cytochrome P450 Family 17 Subfamily A Member 1	Protein Coding	P05093	58	GC10M102830	5.62101
EPOR	Erythropoietin Receptor	Protein Coding	P19235	56	GC19M011377	5.614555
XRCC5	X-Ray Repair Cross Complementing 5	Protein Coding	P13010	53	GC02P216107	5.609589
FSHR	Follicle Stimulating Hormone Receptor	Protein Coding	P23945	56	GC02M048962	5.60581
MIR218-2	MicroRNA 218-2	RNA Gene		24	GC05M168768	5.600171
RECK	Reversion Inducing Cysteine Rich Protein With Kazal Motifs	Protein Coding	O95980	50	GC09P036036	5.597511
PRG4	Proteoglycan 4	Protein Coding	Q92954	51	GC01P186296	5.596388
CGA	Glycoprotein Hormones, Alpha Polypeptide	Protein Coding	P01215	54	GC06M087085	5.591169
CD248	CD248 Molecule	Protein Coding	Q9HCU0	45	GC11M066314	5.58043
FASN	Fatty Acid Synthase	Protein Coding	P49327	58	GC17M082078	5.579199
SLC4A7	Solute Carrier Family 4 Member 7	Protein Coding	Q9Y6M7	50	GC03M027372	5.577016
MIR381	MicroRNA 381	RNA Gene		26	GC14P116759	5.572408
ZEB2	Zinc Finger E-Box Binding Homeobox 2	Protein Coding	O60315	56	GC02M144384	5.56707

NDE1	NudE Neurodevelopment Protein 1	Protein Coding	Q9NXR1	51	GC16P080799	5.565735
CPB2	Carboxypeptidase B2	Protein Coding	Q96IY4	52	GC13M046053	5.564779
PRKDC	Protein Kinase, DNA-Activated, Catalytic Subunit	Protein Coding	P78527	59	GC08M047773	5.564204
PRKAR1A	Protein Kinase CAMP-Dependent Type I Regulatory Subunit Alpha	Protein Coding	P10644	60	GC17P112990	5.562768
TREX1	Three Prime Repair Exonuclease 1	Protein Coding	Q9NSU2	51	GC03P057594	5.561833
SERPINA6	Serpin Family A Member 6	Protein Coding	P08185	54	GC14M119770	5.55957
ANPEP	Alanyl Aminopeptidase, Membrane	Protein Coding	P15144	58	GC15M089784	5.559447
IL7R	Interleukin 7 Receptor	Protein Coding	P16871	55	GC05P035852	5.552704
BRD2	Bromodomain Containing 2	Protein Coding	P25440	52	GC06P134858	5.550009
CARD9	Caspase Recruitment Domain Family Member 9	Protein Coding	Q9H257	54	GC09M136364	5.549251
PTHLH	Parathyroid Hormone Like Hormone	Protein Coding	P12272	55	GC12M029767	5.548047
MMP10	Matrix Metallopeptidase 10	Protein Coding	P09238	52	GC11M102770	5.547387
SOST	Sclerostin	Protein Coding	Q9BQB4	52	GC17M043753	5.546254
CCL15-CCL14	CCL15-CCL14 Readthrough (NMD Candidate)	RNA Gene		17	GC17M035983	5.545147
LGALS1	Galectin 1	Protein Coding	P09382	52	GC22P037675	5.540501
IL32	Interleukin 32	Protein Coding	P24001	47	GC16P080471	5.540268
ATXN3	Ataxin 3	Protein Coding	P54252	55	GC14M119747	5.53968
ADK	Adenosine Kinase	Protein	P55263	59	GC10P074706	5.538104

		Coding				
CACNA1G	Calcium Voltage-Gated Channel Subunit Alpha1 G	Protein Coding	O43497	58	GC17P112643	5.537795
MIR361	MicroRNA 361	RNA Gene		25	GC0XM085903	5.535331
MIR149	MicroRNA 149	RNA Gene		30	GC02P240456	5.532289
DHCR24	24-Dehydrocholesterol Reductase	Protein Coding	Q15392	53	GC01M054849	5.524958
ITGA4	Integrin Subunit Alpha 4	Protein Coding	P13612	57	GC02P181467	5.524309
MERTK	MER Proto-Oncogene, Tyrosine Kinase	Protein Coding	Q12866	59	GC02P111898	5.516165
TRV-AAC1-4	TRNA-Val (Anticodon AAC) 1-4	RNA Gene		9	GC05M181218	5.513472
BAG2	BAG Cochaperone 2	Protein Coding	O95816	48	GC06P057172	5.500326
ABO	ABO, Alpha 1-3-N-Acetylgalactosaminyltransferase And Alpha 1-3-Galactosyltransferase	Protein Coding	P16442	46	GC09M133250	5.497649
BCYRN1	Brain Cytoplasmic RNA 1	RNA Gene		26	GC02P047253	5.491462
KRT13	Keratin 13	Protein Coding	P13646	51	GC17M041500	5.490872
UTP4	UTP4 Small Subunit Processome Component	Protein Coding	Q969X6	43	GC16P082986	5.487281
STAT5A	Signal Transducer And Activator Of Transcription 5A	Protein Coding	P42229	56	GC17P042287	5.480221
ARRB2	Arrestin Beta 2	Protein Coding	P32121	54	GC17P111039	5.479692
RTKN2	Rhotekin 2	Protein Coding	Q8IZC4	43	GC10M062183	5.47664
PHB1	Prohibitin 1	Protein Coding	P35232	54	GC17M078189	5.476073
CAPN2	Calpain 2	Protein Coding	P17655	56	GC01P223701	5.46167
RPS26	Ribosomal Protein S26	Protein	P62854	52	GC12P060592	5.455145

		Coding				
DNASE2	Deoxyribonuclease 2, Lysosomal	Protein Coding	O00115	49	GC19M012875	5.452839
RXRA	Retinoid X Receptor Alpha	Protein Coding	P19793	57	GC09P134317	5.448314
PMPCA	Peptidase, Mitochondrial Processing Subunit Alpha	Protein Coding	Q10713	51	GC09P136410	5.442585
DRD2	Dopamine Receptor D2	Protein Coding	P14416	58	GC11M113409	5.441947
LTA4H	Leukotriene A4 Hydrolase	Protein Coding	P09960	53	GC12M096000	5.441527
MIR151A	MicroRNA 151a	RNA Gene		26	GC08M140928	5.438375
MIR184	MicroRNA 184	RNA Gene		29	GC15P079209	5.42615
DDR2	Discoidin Domain Receptor Tyrosine Kinase 2	Protein Coding	Q16832	59	GC01P164939	5.425797
LINC00941	Long Intergenic Non-Protein Coding RNA 941	RNA Gene		20	GC12P039549	5.425345
IL37	Interleukin 37	Protein Coding	Q9NZH6	48	GC02P143683	5.420353
GSTO1	Glutathione S-Transferase Omega 1	Protein Coding	P78417	53	GC10P104235	5.409954
ABCG2	ATP Binding Cassette Subfamily G Member 2 (JR Blood Group)	Protein Coding	Q9UNQ0	59	GC04M088090	5.408208
TMOD3	Tropomodulin 3	Protein Coding	Q9NYL9	46	GC15P051829	5.407777
SOX11	SRY-Box Transcription Factor 11	Protein Coding	P35716	49	GC02P005707	5.406369
SEPTIN9	Septin 9	Protein Coding	Q9UHD8	50	GC17P113212	5.404488
GPR35	G Protein-Coupled Receptor 35	Protein Coding	Q9HC97	51	GC02P240605	5.397533
DARS2	Aspartyl-TRNA Synthetase 2, Mitochondrial	Protein Coding	Q6PI48	52	GC01P173824	5.397491
CCR8	C-C Motif Chemokine Receptor 8	Protein Coding	P51685	51	GC03P040802	5.397466

TFAM	Transcription Factor A, Mitochondrial	Protein Coding	Q00059	54	GC10P058385	5.394475
GLO1	Glyoxalase I	Protein Coding	Q04760	54	GC06M093944	5.392938
MIR19A	MicroRNA 19a	RNA Gene		27	GC13P091677	5.387762
INHA	Inhibin Subunit Alpha	Protein Coding	P05111	52	GC02P219569	5.385669
ABCC4	ATP Binding Cassette Subfamily C Member 4 (PEL Blood Group)	Protein Coding	O15439	53	GC13M095019	5.384026
NAMPT	Nicotinamide Phosphoribosyltransferase	Protein Coding	P43490	55	GC07M106248	5.383985
TCF7	Transcription Factor 7	Protein Coding	P36402	51	GC05P134192	5.383092
LMX1B	LIM Homeobox Transcription Factor 1 Beta	Protein Coding	O60663	53	GC09P126770	5.378655
CD59	CD59 Molecule (CD59 Blood Group)	Protein Coding	P13987	55	GC11M033717	5.374859
BRD4	Bromodomain Containing 4	Protein Coding	O60885	55	GC19M092256	5.371705
AKT2	AKT Serine/Threonine Kinase 2	Protein Coding	P31751	62	GC19M040230	5.368465
KLRK1	Killer Cell Lectin Like Receptor K1	Protein Coding	P26718	50	GC12M029496	5.367961
FOXP2	Forkhead Box P2	Protein Coding	O15409	53	GC07P114086	5.36787
PATJ	PATJ Crumbs Cell Polarity Complex Component	Protein Coding	Q8NI35	45	GC01P061743	5.367137
H2AX	H2A.X Variant Histone	Protein Coding	P16104	53	GC11M126556	5.361099
AKAP9	A-Kinase Anchoring Protein 9	Protein Coding	Q99996	51	GC07P091940	5.360825
ABCC11	ATP Binding Cassette Subfamily C Member 11	Protein Coding	Q96J66	50	GC16M048166	5.354767
TLR6	Toll Like Receptor 6	Protein	Q9Y2C9	54	GC04M038828	5.353855

		Coding				
IFNA10	Interferon Alpha 10	Protein Coding	P01566	43	GC09M022127	5.351346
LRP2	LDL Receptor Related Protein 2	Protein Coding	P98164	58	GC02M169127	5.339861
MIR107	MicroRNA 107	RNA Gene		27	GC10M089604	5.336175
FANCA	FA Complementation Group A	Protein Coding	O15360	59	GC16M090078	5.335071
ACP1	Acid Phosphatase 1	Protein Coding	P24666	52	GC02P000841	5.331377
MIR24-2	MicroRNA 24-2	RNA Gene		26	GC19M092208	5.331207
MLN	Motilin	Protein Coding	P12872	43	GC06M033794	5.330823
HSP90AB1	Heat Shock Protein 90 Alpha Family Class B Member 1	Protein Coding	P08238	58	GC06P044246	5.330729
PRDM16	PR/SET Domain 16	Protein Coding	Q9HAZ2	53	GC01P020557	5.32673
TTC21B-AS1	TTC21B Antisense RNA 1	RNA Gene		23	GC02P165933	5.326225
FLT3	Fms Related Receptor Tyrosine Kinase 3	Protein Coding	P36888	61	GC13M028003	5.32555
TOP1	DNA Topoisomerase I	Protein Coding	P11387	57	GC20P041028	5.318789
IFNA17	Interferon Alpha 17	Protein Coding	P01571	41	GC09M021227	5.315482
TREH	Trehalase	Protein Coding	O43280	52	GC11M118657	5.313128
PNLIP	Pancreatic Lipase	Protein Coding	P16233	56	GC10P116545	5.312331
HAND2-AS1	HAND2 Antisense RNA 1	RNA Gene		27	GC04P173527	5.311571
TPM2	Tropomyosin 2	Protein Coding	P07951	53	GC09M035672	5.309525
DEPDC5	DEP Domain Containing 5, GATOR1 Subcomplex Subunit	Protein Coding	O75140	51	GC22P031753	5.293812

GHRHR	Growth Hormone Releasing Hormone Receptor	Protein Coding	Q02643	52	GC07P030938	5.292467
IDH2	Isocitrate Dehydrogenase (NADP(+)) 2	Protein Coding	P48735	60	GC15M090083	5.286182
SLC30A5	Solute Carrier Family 30 Member 5	Protein Coding	Q8TAD4	47	GC05P069093	5.282026
CYP11A1	Cytochrome P450 Family 11 Subfamily A Member 1	Protein Coding	P05108	56	GC15M074337	5.275858
UTRN	Utrophin	Protein Coding	P46939	49	GC06P144285	5.274044
GRB2	Growth Factor Receptor Bound Protein 2	Protein Coding	P62993	55	GC17M075318	5.272648
ALPP	Alkaline Phosphatase, Placental	Protein Coding	P05187	53	GC02P232378	5.272456
ERCC1	ERCC Excision Repair 1, Endonuclease Non-Catalytic Subunit	Protein Coding	P07992	54	GC19M092923	5.269889
MIR15B	MicroRNA 15b	RNA Gene		27	GC03P160404	5.268562
WAS	WASP Actin Nucleation Promoting Factor	Protein Coding	P42768	55	GC0XP048676	5.265362
IL27	Interleukin 27	Protein Coding	Q8NEV9	45	GC16M043863	5.259721
LOC110806262	Solute Carrier Family 6 Member 4 Gene Promoter	Functional Element		9	GC17P030235	5.251313
SEMA3C	Semaphorin 3C	Protein Coding	Q99985	51	GC07M080742	5.249993
TBX3	T-Box Transcription Factor 3	Protein Coding	O15119	52	GC12M114670	5.246731
GABBR1	Gamma-Aminobutyric Acid Type B Receptor Subunit 1	Protein Coding	Q9UBS5	56	GC06M029555	5.245336
VANGL2	VANGL Planar Cell Polarity Protein 2	Protein Coding	Q9ULK5	52	GC01P160400	5.242147
NOX1	NADPH Oxidase 1	Protein Coding	Q9Y5S8	52	GC0XM100843	5.238293
SEMA7A	Semaphorin 7A (JohnMiltonHagen Blood Group)	Protein Coding	O75326	50	GC15M074409	5.237603

IL23A	Interleukin 23 Subunit Alpha	Protein Coding	Q9NPF7	48	GC12P060632	5.231895
FANCL	FA Complementation Group L	Protein Coding	Q9NW38	55	GC02M058127	5.23041
MT-TG	Mitochondrially Encoded TRNA-Gly (GGN)	RNA Gene		18	GCMTP009993	5.229222
WNT11	Wnt Family Member 11	Protein Coding	O96014	52	GC11M076186	5.222775
SSTR2	Somatostatin Receptor 2	Protein Coding	P30874	55	GC17P073165	5.221184
ELAVL1	ELAV Like RNA Binding Protein 1	Protein Coding	Q15717	50	GC19M007958	5.220286
LCAT	Lecithin-Cholesterol Acyltransferase	Protein Coding	P04180	56	GC16M067939	5.215684
MSTN	Myostatin	Protein Coding	O14793	55	GC02M190055	5.210377
CCL21	C-C Motif Chemokine Ligand 21	Protein Coding	O00585	49	GC09M034709	5.209667
TPT1	Tumor Protein, Translationally-Controlled 1	Protein Coding	P13693	56	GC13M045333	5.209066
CORIN	Corin, Serine Peptidase	Protein Coding	Q9Y5Q5	53	GC04M047596	5.207885
ITGA5	Integrin Subunit Alpha 5	Protein Coding	P08648	56	GC12M055919	5.204122
MIR206	MicroRNA 206	RNA Gene		27	GC06P052144	5.203337
MIR501	MicroRNA 501	RNA Gene		23	GC0XP057621	5.202299
RNF213	Ring Finger Protein 213	Protein Coding	Q63HN8	48	GC17P080260	5.197393
DANCR	Differentiation Antagonizing Non-Protein Coding RNA	RNA Gene	P0C864	30	GC04P052712	5.196265
HIPK2	Homeodomain Interacting Protein Kinase 2	Protein Coding	Q9H2X6	52	GC07M139561	5.196026
TFAP2A	Transcription Factor AP-2 Alpha	Protein Coding	P05549	55	GC06M010393	5.189052
DEFB104A	Defensin Beta 104A	Protein	Q8WTQ1	38	GC08P007836	5.184788

		Coding				
SGCA	Sarcoglycan Alpha	Protein Coding	Q16586	51	GC17P050164	5.182997
BBS9	Bardet-Biedl Syndrome 9	Protein Coding	Q3SYG4	49	GC07P033794	5.181243
TARS1	Threonyl-TRNA Synthetase 1	Protein Coding	P26639	51	GC05P033466	5.17482
MT-TW	Mitochondrially Encoded TRNA-Trp (UGA/G)	RNA Gene		19	GCMTP005514	5.17384
MT-RNR1	Mitochondrially Encoded 12S RRNA	RNA Gene	A0A0C5B5G6	21	GCMTP000642	5.172181
LAP3	Leucine Aminopeptidase 3	Protein Coding	P28838	51	GC04P024707	5.165687
SLC10A2	Solute Carrier Family 10 Member 2	Protein Coding	Q12908	51	GC13M103043	5.160186
CCAT1	Colon Cancer Associated Transcript 1	RNA Gene		22	GC08M127207	5.158751
DOCK2	Dedicator Of Cytokinesis 2	Protein Coding	Q92608	51	GC05P169637	5.153891
MTTP	Microsomal Triglyceride Transfer Protein	Protein Coding	P55157	53	GC04P099563	5.153619
PADI4	Peptidyl Arginine Deiminase 4	Protein Coding	Q9UM07	54	GC01P017308	5.152997
ENTPD3	Ectonucleoside Triphosphate Diphosphohydrolase 3	Protein Coding	O75355	52	GC03P040849	5.152914
PKD1L1	Polycystin 1 Like 1, Transient Receptor Potential Channel Interacting	Protein Coding	Q8TDX9	44	GC07M047740	5.150298
MIR181C	MicroRNA 181c	RNA Gene		27	GC19P112499	5.1323
APP	Amyloid Beta Precursor Protein	Protein Coding	P05067	59	GC21M025880	5.127534
CFI	Complement Factor I	Protein Coding	P05156	55	GC04M109732	5.126853
G6PC1	Glucose-6-Phosphatase Catalytic Subunit 1	Protein Coding	P35575	52	GC17P113706	5.126824
TAMM41	TAM41 Mitochondrial Translocator Assembly And Maintenance Homolog	Protein Coding	Q96BW9	45	GC03M011721	5.125927

FSCN1	Fascin Actin-Bundling Protein 1	Protein Coding	Q16658	52	GC07P005592	5.117552
LGALS9	Galectin 9	Protein Coding	O00182	47	GC17P027629	5.108862
CHKB	Choline Kinase Beta	Protein Coding	Q9Y259	53	GC22M050578	5.107279
NES	Nestin	Protein Coding	P48681	50	GC01M156668	5.100434
LEMD3	LEM Domain Containing 3	Protein Coding	Q9Y2U8	49	GC12P065169	5.099359
MIR106B	MicroRNA 106b	RNA Gene		29	GC07M105256	5.099016
MIR9-2	MicroRNA 9-2	RNA Gene		24	GC05M088666	5.094193
FLI1	Fli-1 Proto-Oncogene, ETS Transcription Factor	Protein Coding	Q01543	55	GC11P128686	5.088666
HBEGF	Heparin Binding EGF Like Growth Factor	Protein Coding	Q99075	53	GC05M140332	5.0877
ASS1	Argininosuccinate Synthase 1	Protein Coding	P00966	56	GC09P130444	5.086658
RAP1A	RAP1A, Member Of RAS Oncogene Family	Protein Coding	P62834	53	GC01P111542	5.081497
FTO	FTO Alpha-Ketoglutarate Dependent Dioxygenase	Protein Coding	Q9C0B1	55	GC16P082352	5.079315
CD1E	CD1e Molecule	Protein Coding	P15812	45	GC01P164756	5.078892
CXCL16	C-X-C Motif Chemokine Ligand 16	Protein Coding	Q9H2A7	47	GC17M004733	5.075516
SLIT2	Slit Guidance Ligand 2	Protein Coding	O94813	53	GC04P024736	5.073711
IDH1	Isocitrate Dehydrogenase (NADP(+)) 1	Protein Coding	O75874	61	GC02M208236	5.066802
BBS12	Bardet-Biedl Syndrome 12	Protein Coding	Q6ZW61	44	GC04P122702	5.058765
KLF15	KLF Transcription Factor 15	Protein Coding	Q9UIH9	46	GC03M126293	5.054021

LRP6	LDL Receptor Related Protein 6	Protein Coding	O75581	56	GC12M029527	5.053063
ALAS2	5'-Aminolevulinate Synthase 2	Protein Coding	P22557	54	GC0XM055009	5.049606
MIR100	MicroRNA 100	RNA Gene		28	GC11M122152	5.049427
NEB	Nebulin	Protein Coding	P20929	49	GC02M151485	5.046316
TRC-GCA24-1	TRNA-Cys (GCA) 24-1	RNA Gene		11	GC17M077502	5.045279
AHCY	Adenosylhomocysteinase	Protein Coding	P23526	57	GC20M035768	5.043609
TTC8	Tetratricopeptide Repeat Domain 8	Protein Coding	Q8TAM2	49	GC14P092472	5.041444
ITGA2	Integrin Subunit Alpha 2	Protein Coding	P17301	55	GC05P052989	5.039261
MIR211	MicroRNA 211	RNA Gene		29	GC15M031065	5.034876
CTNNA3	Catenin Alpha 3	Protein Coding	Q9UI47	51	GC10M065912	5.034105
UNC45A	Unc-45 Myosin Chaperone A	Protein Coding	Q9H3U1	46	GC15P158300	5.015538
MUTYH	MutY DNA Glycosylase	Protein Coding	Q9UIF7	53	GC01M045329	5.014339
ANO5	Anoctamin 5	Protein Coding	Q75V66	48	GC11P021799	5.007108
KATNIP	Katanin Interacting Protein	Protein Coding	O60303	42	GC16P081254	5.004259
TNNI2	Troponin I2, Fast Skeletal Type	Protein Coding	P48788	52	GC11P010658	5.002077
MIR10B	MicroRNA 10b	RNA Gene		29	GC02P176150	5.000002
SLC5A1	Solute Carrier Family 5 Member 1	Protein Coding	P13866	55	GC22P032043	4.998228
PHKB	Phosphorylase Kinase Regulatory Subunit Beta	Protein Coding	Q93100	51	GC16P082120	4.998093
MIR495	MicroRNA 495	RNA Gene		23	GC14P116772	4.997963

TFF3	Trefoil Factor 3	Protein Coding	Q07654	50	GC21M042311	4.996747
MSH6	MutS Homolog 6	Protein Coding	P52701	58	GC02P047695	4.994089
MT-ATP8	Mitochondrially Encoded ATP Synthase Membrane Subunit 8	Protein Coding	P03928	38	GCMTP008368	4.990827
IL21	Interleukin 21	Protein Coding	Q9HBE4	53	GC04M122612	4.990213
CDH11	Cadherin 11	Protein Coding	P55287	55	GC16M064943	4.989899
FZD4	Frizzled Class Receptor 4	Protein Coding	Q9ULV1	58	GC11M086945	4.988921
PITX1	Paired Like Homeodomain 1	Protein Coding	P78337	53	GC05M135027	4.988703
LAMA4	Laminin Subunit Alpha 4	Protein Coding	Q16363	53	GC06M112107	4.986149
PEX6	Peroxisomal Biogenesis Factor 6	Protein Coding	Q13608	50	GC06M042963	4.985885
ENPP3	Ectonucleotide Pyrophosphatase/Phosphodiesterase 3	Protein Coding	O14638	51	GC06P136466	4.981935
MIR32	MicroRNA 32	RNA Gene		29	GC09M109046	4.980865
GPX3	Glutathione Peroxidase 3	Protein Coding	P22352	50	GC05P152433	4.976816
KCNJ5	Potassium Inwardly Rectifying Channel Subfamily J Member 5	Protein Coding	P48544	56	GC11P128891	4.970486
CNN2	Calponin 2	Protein Coding	Q99439	43	GC19P001026	4.968735
CXCR6	C-X-C Motif Chemokine Receptor 6	Protein Coding	O00574	47	GC03P057385	4.966492
HSD11B1	Hydroxysteroid 11-Beta Dehydrogenase 1	Protein Coding	P28845	59	GC01P209686	4.961141
HRH1	Histamine Receptor H1	Protein Coding	P35367	54	GC03P021551	4.959173
PUS1	Pseudouridine Synthase 1	Protein	Q9Y606	52	GC12P131929	4.956498

		Coding				
TSEN34	TRNA Splicing Endonuclease Subunit 34	Protein Coding	Q9BSV6	46	GC19P121728	4.955593
MIR186	MicroRNA 186	RNA Gene		27	GC01M071067	4.954174
LYST	Lysosomal Trafficking Regulator	Protein Coding	Q99698	47	GC01M235661	4.944943
MIR155HG	MIR155 Host Gene	RNA Gene	C0HMA1	28	GC21P025650	4.942676
RETNLB	Resistin Like Beta	Protein Coding	Q9BQ08	41	GC03M108743	4.94201
PIBF1	Progesterone Immunomodulatory Binding Factor 1	Protein Coding	Q8WXW3	49	GC13P072782	4.939734
MIR323A	MicroRNA 323a	RNA Gene		25	GC14P116746	4.93267
RREB1	Ras Responsive Element Binding Protein 1	Protein Coding	Q92766	48	GC06P007107	4.928699
MAD1L1	Mitotic Arrest Deficient 1 Like 1	Protein Coding	Q9Y6D9	55	GC07M001815	4.927554
MT-ND2	Mitochondrially Encoded NADH:Ubiquinone Oxidoreductase Core Subunit 2	Protein Coding	P03891	42	GCMTP004472	4.926384
COL6A2	Collagen Type VI Alpha 2 Chain	Protein Coding	P12110	53	GC21P046098	4.922411
IGKC	Immunoglobulin Kappa Constant	Protein Coding	P01834	38	GC02M092371	4.9157
PTBP1	Polypyrimidine Tract Binding Protein 1	Protein Coding	P26599	50	GC19P000797	4.914136
CLCN7	Chloride Voltage-Gated Channel 7	Protein Coding	P51798	53	GC16M001444	4.91413
GATAD1	GATA Zinc Finger Domain Containing 1	Protein Coding	Q8WUU5	45	GC07P092447	4.913326
MYH7B	Myosin Heavy Chain 7B	Protein Coding	A7E2Y1	43	GC20P040838	4.910993
HARS1	Histidyl-TRNA Synthetase 1	Protein Coding	P12081	53	GC05M140673	4.910537
CAST	Calpastatin	Protein Coding	P20810	56	GC05P095975	4.908708

CALCRL	Calcitonin Receptor Like Receptor	Protein Coding	Q16602	54	GC02M187341	4.906281
MIR299	MicroRNA 299	RNA Gene		23	GC14P116744	4.903725
MT-TP	Mitochondrially Encoded TRNA-Pro (CCN)	RNA Gene		15	GCMTM015957	4.900572
PRNP	Prion Protein (Kanno Blood Group)	Protein Coding	F7VJQ1	57	GC20P004686	4.899846
SF3B2	Splicing Factor 3b Subunit 2	Protein Coding	Q13435	50	GC11P066050	4.898323
FGG	Fibrinogen Gamma Chain	Protein Coding	P02679	56	GC04M154604	4.88505
CAMK2G	Calcium/Calmodulin Dependent Protein Kinase II Gamma	Protein Coding	Q13555	58	GC10M073812	4.877807
SIX3	SIX Homeobox 3	Protein Coding	O95343	51	GC02P044941	4.877082
AIF1	Allograft Inflammatory Factor 1	Protein Coding	P55008	48	GC06P134819	4.87524
RHOD	Ras Homolog Family Member D	Protein Coding	O00212	45	GC11P089221	4.873952
FZD6	Frizzled Class Receptor 6	Protein Coding	O60353	54	GC08P103298	4.862821
RHD	Rh Blood Group D Antigen	Protein Coding	Q02161	50	GC01P025272	4.861578
JMJD1C	Jumonji Domain Containing 1C	Protein Coding	Q15652	50	GC10M063167	4.858769
COL14A1	Collagen Type XIV Alpha 1 Chain	Protein Coding	Q05707	47	GC08P120109	4.85376
AHRR	Aryl Hydrocarbon Receptor Repressor	Protein Coding	A9YTQ3	43	GC05P000321	4.853516
CHKB-CPT1B	CHKB-CPT1B Readthrough (NMD Candidate)	RNA Gene		23	GC22M050568	4.848484
APLNR	Apelin Receptor	Protein Coding	P35414	52	GC11M057233	4.841835
HOXD13	Homeobox D13	Protein Coding	P35453	50	GC02P176092	4.838667
BRSK2	BR Serine/Threonine Kinase 2	Protein	Q8IWQ3	46	GC11P001389	4.838186

		Coding				
PTH1R	Parathyroid Hormone 1 Receptor	Protein Coding	Q03431	59	GC03P046877	4.834007
DYNC2LI1	Dynein Cytoplasmic 2 Light Intermediate Chain 1	Protein Coding	Q8TCX1	48	GC02P043794	4.832858
PLXNC1	Plexin C1	Protein Coding	O60486	48	GC12P094150	4.822631
MIR373	MicroRNA 373	RNA Gene		27	GC19P113661	4.822017
EGLN1	Egl-9 Family Hypoxia Inducible Factor 1	Protein Coding	Q9GZT9	58	GC01M231363	4.820169
NR1I2	Nuclear Receptor Subfamily 1 Group I Member 2	Protein Coding	O75469	52	GC03P119780	4.816047
MCAM	Melanoma Cell Adhesion Molecule	Protein Coding	P43121	50	GC11M119308	4.812681
VCAN	Versican	Protein Coding	P13611	55	GC05P083471	4.811153
SLC22A4	Solute Carrier Family 22 Member 4	Protein Coding	Q9H015	53	GC05P132294	4.810703
IKZF1	IKAROS Family Zinc Finger 1	Protein Coding	Q13422	57	GC07P050303	4.810699
CFL1	Cofilin 1	Protein Coding	P23528	54	GC11M065823	4.810086
GCG	Glucagon	Protein Coding	P01275	51	GC02M162142	4.809461
SLC11A2	Solute Carrier Family 11 Member 2	Protein Coding	P49281	57	GC12M050952	4.808574
PIN1	Peptidylprolyl Cis/Trans Isomerase, NIMA-Interacting 1	Protein Coding	Q13526	56	GC19P009835	4.807893
MIR92A1	MicroRNA 92a-1	RNA Gene		26	GC13P091682	4.806692
RECQL4	RecQ Like Helicase 4	Protein Coding	O94761	50	GC08M146626	4.805203
TMEM70	Transmembrane Protein 70	Protein Coding	Q9BUB7	48	GC08P073972	4.789653
ABCB7	ATP Binding Cassette Subfamily B Member 7	Protein	O75027	53	GC0XM075053	4.789288

		Coding				
MT-TD	Mitochondrially Encoded TRNA-Asp (GAU/C)	RNA Gene		19	GCMTP007520	4.789258
COL6A3	Collagen Type VI Alpha 3 Chain	Protein Coding	P12111	53	GC02M237324	4.785641
MYOG	Myogenin	Protein Coding	P15173	48	GC01M203083	4.771565
NBAS	NBAS Subunit Of NRZ Tethering Complex	Protein Coding	A2RRP1	48	GC02M014798	4.770385
TERF2	Telomeric Repeat Binding Factor 2	Protein Coding	Q15554	49	GC16M069355	4.768828
NDUFA13	NADH:Ubiquinone Oxidoreductase Subunit A13	Protein Coding	Q9P0J0	52	GC19P019515	4.765462
UCHL1-DT	UCHL1 Divergent Transcript	RNA Gene		22	GC04M041219	4.76409
EBF3	EBF Transcription Factor 3	Protein Coding	Q9H4W6	49	GC10M129835	4.761722
L1CAM	L1 Cell Adhesion Molecule	Protein Coding	P32004	56	GC0XM153864	4.761111
TUBB4A	Tubulin Beta 4A Class IVa	Protein Coding	P04350	56	GC19M091894	4.757095
NTRK3	Neurotrophic Receptor Tyrosine Kinase 3	Protein Coding	Q16288	61	GC15M087859	4.756755
TNFRSF8	TNF Receptor Superfamily Member 8	Protein Coding	P28908	52	GC01P012063	4.754921
IFT88	Intraflagellar Transport 88	Protein Coding	Q13099	50	GC13P020718	4.754184
MAPK10	Mitogen-Activated Protein Kinase 10	Protein Coding	P53779	55	GC04M085990	4.753819
RNF168	Ring Finger Protein 168	Protein Coding	Q8IYW5	51	GC03M196468	4.745588
CCL19	C-C Motif Chemokine Ligand 19	Protein Coding	Q99731	48	GC09M035082	4.743809
CCNB1	Cyclin B1	Protein Coding	P14635	56	GC05P069167	4.733828
RXFP1	Relaxin Family Peptide Receptor 1	Protein	Q9HBX9	50	GC04P158315	4.725205

		Coding				
NPNT	Nephronectin	Protein Coding	Q6UXI9	46	GC04P105894	4.724869
BAK1	BCL2 Antagonist/Killer 1	Protein Coding	Q16611	53	GC06M033572	4.724542
LINC00473	Long Intergenic Non-Protein Coding RNA 473	RNA Gene	A8K010	28	GC06M165328	4.720602
MIR503	MicroRNA 503	RNA Gene		26	GC0XM134752	4.71942
LPA	Lipoprotein(A)	Protein Coding	P08519	50	GC06M160531	4.717008
F7	Coagulation Factor VII	Protein Coding	P08709	56	GC13P113105	4.711316
MIR103A2	MicroRNA 103a-2	RNA Gene		24	GC20P003917	4.709245
PCSK6	Proprotein Convertase Subtilisin/Kexin Type 6	Protein Coding	P29122	50	GC15M148763	4.709136
LMNB1	Lamin B1	Protein Coding	P20700	55	GC05P126776	4.705373
MYLK2	Myosin Light Chain Kinase 2	Protein Coding	Q9H1R3	53	GC20P031819	4.69869
PTGER2	Prostaglandin E Receptor 2	Protein Coding	P43116	57	GC14P052314	4.689751
GRK2	G Protein-Coupled Receptor Kinase 2	Protein Coding	P25098	56	GC11P067266	4.689497
CENPB	Centromere Protein B	Protein Coding	P07199	47	GC20M003783	4.687189
ADAM10	ADAM Metallopeptidase Domain 10	Protein Coding	O14672	62	GC15M058588	4.686937
LRG1	Leucine Rich Alpha-2-Glycoprotein 1	Protein Coding	P02750	47	GC19M091832	4.681748
GALNS	Galactosamine (N-Acetyl)-6-Sulfatase	Protein Coding	P34059	56	GC16M088813	4.679671
CALM1	Calmodulin 1	Protein Coding	P0DP23	54	GC14P090396	4.67733
STXBP1	Syntaxin Binding Protein 1	Protein Coding	P61764	58	GC09P141358	4.669369

AQP2	Aquaporin 2	Protein Coding	P41181	55	GC12P049950	4.668693
PRKCSH	PRKCSH Beta Subunit Of Glucosidase II	Protein Coding	P14314	52	GC19P011435	4.665916
SCARB1	Scavenger Receptor Class B Member 1	Protein Coding	Q8WTV0	56	GC12M124776	4.665589
DELEC1	Deleted In Esophageal Cancer 1	RNA Gene	Q9P2X7	31	GC09P124381	4.663981
NREP	Neuronal Regeneration Related Protein	Protein Coding	Q16612	40	GC05M111662	4.662724
SAMHD1	SAM And HD Domain Containing Deoxynucleoside Triphosphate Triphosphohydrolase 1	Protein Coding	Q9Y3Z3	52	GC20M036890	4.661276
HPRT1	Hypoxanthine Phosphoribosyltransferase 1	Protein Coding	P00492	57	GC0XP134460	4.660841
PDE4B	Phosphodiesterase 4B	Protein Coding	Q07343	53	GC01P065792	4.659076
THSD1	Thrombospondin Type 1 Domain Containing 1	Protein Coding	Q9NS62	47	GC13M052377	4.657687
COQ8B	Coenzyme Q8B	Protein Coding	Q96D53	47	GC19M092777	4.653861
TAGLN	Transgelin	Protein Coding	Q01995	52	GC11P117199	4.652698
COG6	Component Of Oligomeric Golgi Complex 6	Protein Coding	Q9Y2V7	46	GC13P039655	4.649982
SNORD44	Small Nucleolar RNA, C/D Box 44	RNA Gene		18	GC01M174931	4.647849
CDC27	Cell Division Cycle 27	Protein Coding	P30260	49	GC17M047117	4.646293
ADRB3	Adrenoceptor Beta 3	Protein Coding	P13945	51	GC08M037962	4.642901
MESP2	Mesoderm Posterior BHLH Transcription Factor 2	Protein Coding	Q0VG99	44	GC15P158248	4.631454
HAX1	HCLS1 Associated Protein X-1	Protein Coding	O00165	51	GC01P164481	4.630891
DLEU2	Deleted In Lymphocytic Leukemia 2	RNA Gene		30	GC13M049913	4.629945

MIR590	MicroRNA 590	RNA Gene		27	GC07P074191	4.627736
MIR377	MicroRNA 377	RNA Gene		26	GC14P116756	4.626103
SPPL2C	Signal Peptide Peptidase Like 2C	Protein Coding	Q8IUH8	41	GC17P045844	4.624947
CPT1A	Carnitine Palmitoyltransferase 1A	Protein Coding	P50416	57	GC11M068754	4.621927
PTPN3	Protein Tyrosine Phosphatase Non-Receptor Type 3	Protein Coding	P26045	51	GC09M109375	4.621707
MT-ND3	Mitochondrially Encoded NADH:Ubiquinone Oxidoreductase Core Subunit 3	Protein Coding	P03897	41	GCMTP010061	4.607846
GAS6	Growth Arrest Specific 6	Protein Coding	Q14393	52	GC13M113820	4.602061
FBXO32	F-Box Protein 32	Protein Coding	Q969P5	48	GC08M123604	4.598869
CCNA2	Cyclin A2	Protein Coding	P20248	53	GC04M121816	4.597573
IGFBP6	Insulin Like Growth Factor Binding Protein 6	Protein Coding	P24592	52	GC12P053097	4.597507
SLC8A1	Solute Carrier Family 8 Member A1	Protein Coding	P32418	53	GC02M040078	4.590684
EIF2AK2	Eukaryotic Translation Initiation Factor 2 Alpha Kinase 2	Protein Coding	P19525	59	GC02M037099	4.590533
GAST	Gastrin	Protein Coding	P01350	48	GC17P041712	4.590301
SERPINF1	Serpin Family F Member 1	Protein Coding	P36955	54	GC17P110885	4.58638
IL12RB2	Interleukin 12 Receptor Subunit Beta 2	Protein Coding	Q99665	52	GC01P067307	4.585717
CASQ2	Calsequestrin 2	Protein Coding	O14958	53	GC01M115700	4.583146
ABCG1	ATP Binding Cassette Subfamily G Member 1	Protein Coding	P45844	51	GC21P042199	4.581496
TPM3	Tropomyosin 3	Protein Coding	P06753	54	GC01M154155	4.579606

CCBE1	Collagen And Calcium Binding EGF Domains 1	Protein Coding	Q6UXH8	48	GC18M059430	4.574633
BID	BH3 Interacting Domain Death Agonist	Protein Coding	P55957	54	GC22M017734	4.57352
ADAMTSL2	ADAMTS Like 2	Protein Coding	Q86TH1	48	GC09P141740	4.572081
CYP27B1	Cytochrome P450 Family 27 Subfamily B Member 1	Protein Coding	O15528	55	GC12M059355	4.560661
CSMD1	CUB And Sushi Multiple Domains 1	Protein Coding	Q96PZ7	46	GC08M002953	4.560109
MST1	Macrophage Stimulating 1	Protein Coding	P26927	53	GC03M049683	4.559454
ABCG5	ATP Binding Cassette Subfamily G Member 5	Protein Coding	Q9H222	54	GC02M043806	4.55747
GUCY2D	Guanylate Cyclase 2D, Retinal	Protein Coding	Q02846	54	GC17P008002	4.555317
GLRX5	Glutaredoxin 5	Protein Coding	Q86SX6	49	GC14P095533	4.553333
DPF3	Double PHD Fingers 3	Protein Coding	Q92784	43	GC14M072610	4.548458
MYL9	Myosin Light Chain 9	Protein Coding	P24844	51	GC20P036541	4.543926
FYN	FYN Proto-Oncogene, Src Family Tyrosine Kinase	Protein Coding	P06241	56	GC06M111660	4.536763
RNASEH2C	Ribonuclease H2 Subunit C	Protein Coding	Q8TDP1	47	GC11M065714	4.535726
TNFRSF13C	TNF Receptor Superfamily Member 13C	Protein Coding	Q96RJ3	54	GC22M077127	4.535037
EPHX2	Epoxide Hydrolase 2	Protein Coding	P34913	55	GC08P027490	4.533154
DCTN1	Dynactin Subunit 1	Protein Coding	Q14203	56	GC02M074361	4.528093
SLC12A1	Solute Carrier Family 12 Member 1	Protein Coding	Q13621	56	GC15P157296	4.526913

HSPA9	Heat Shock Protein Family A (Hsp70) Member 9	Protein Coding	P38646	56	GC05M138554	4.526876
CTNNA1	Catenin Alpha 1	Protein Coding	P35221	55	GC05P138682	4.526334
DNAI2	Dynein Axonemal Intermediate Chain 2	Protein Coding	Q9GZS0	47	GC17P074274	4.523894
TCOF1	Treacle Ribosome Biogenesis Factor 1	Protein Coding	Q13428	50	GC05P152403	4.522181
SOX3	SRY-Box Transcription Factor 3	Protein Coding	P41225	52	GC0XM140502	4.519508
FUT2	Fucosyltransferase 2 (H Blood Group)	Protein Coding	Q10981	54	GC19P048695	4.519063
IHH	Indian Hedgehog Signaling Molecule	Protein Coding	Q14623	55	GC02M219054	4.51709
BIRC3	Baculoviral IAP Repeat Containing 3	Protein Coding	Q13489	54	GC11P102317	4.512205
ADD1	Adducin 1	Protein Coding	P35611	53	GC04P004070	4.51157
SRY	Sex Determining Region Y	Protein Coding	Q05066	46	GC0YM002698	4.510166
PNP	Purine Nucleoside Phosphorylase	Protein Coding	P00491	58	GC14P045700	4.508059
ACTN1	Actinin Alpha 1	Protein Coding	P12814	56	GC14M068874	4.507876
CELSR2	Cadherin EGF LAG Seven-Pass G-Type Receptor 2	Protein Coding	Q9HCU4	50	GC01P109364	4.507444
FOXG1	Forkhead Box G1	Protein Coding	P55316	53	GC14P046011	4.504461
USP8	Ubiquitin Specific Peptidase 8	Protein Coding	P40818	55	GC15P050424	4.499093
MYOT	Myotilin	Protein Coding	Q9UBF9	50	GC05P137867	4.496495
MIR19B1	MicroRNA 19b-1	RNA Gene		24	GC13P091678	4.495516
SPAG17	Sperm Associated Antigen 17	Protein	Q6Q759	44	GC01M117953	4.49399

		Coding				
TNNI1	Troponin I1, Slow Skeletal Type	Protein Coding	P19237	48	GC01M201404	4.49048
MIR326	MicroRNA 326	RNA Gene		28	GC11M075335	4.489682
PIK3C3	Phosphatidylinositol 3-Kinase Catalytic Subunit Type 3	Protein Coding	Q8NEB9	58	GC18P041955	4.48931
CNR2	Cannabinoid Receptor 2	Protein Coding	P34972	54	GC01M023870	4.488624
LYZ	Lysozyme	Protein Coding	P61626	55	GC12P069348	4.4818
MIR130B	MicroRNA 130b	RNA Gene		26	GC22P074773	4.481648
HDAC6	Histone Deacetylase 6	Protein Coding	Q9UBN7	62	GC0XP048801	4.476943
NR4A1	Nuclear Receptor Subfamily 4 Group A Member 1	Protein Coding	P22736	55	GC12P052022	4.476398
RTN4	Reticulon 4	Protein Coding	Q9NQC3	53	GC02M054934	4.474689
HTR4	5-Hydroxytryptamine Receptor 4	Protein Coding	Q13639	52	GC05M148451	4.4729
IRS1	Insulin Receptor Substrate 1	Protein Coding	P35568	56	GC02M226731	4.467974
CD9	CD9 Molecule	Protein Coding	P21926	52	GC12P038938	4.465729
INHBB	Inhibin Subunit Beta B	Protein Coding	P09529	50	GC02P143788	4.453266
FANCB	FA Complementation Group B	Protein Coding	Q8NB91	49	GC0XM014992	4.449542
MEPE	Matrix Extracellular Phosphoglycoprotein	Protein Coding	Q9NQ76	46	GC04P087821	4.442549
RPS6KB2-AS1	RPS6KB2 Antisense RNA 1	RNA Gene		13	GC11M125498	4.439667
CLDN5	Claudin 5	Protein Coding	O00501	48	GC22M019523	4.43742
FGF21	Fibroblast Growth Factor 21	Protein Coding	Q9NSA1	48	GC19P113390	4.434877

ADH1C	Alcohol Dehydrogenase 1C (Class I), Gamma Polypeptide	Protein Coding	P00326	50	GC04M099336	4.434668
RUNX3	RUNX Family Transcription Factor 3	Protein Coding	Q13761	52	GC01M024899	4.43181
PMP22	Peripheral Myelin Protein 22	Protein Coding	Q01453	52	GC17M015229	4.430066
HNF4A	Hepatocyte Nuclear Factor 4 Alpha	Protein Coding	P41235	58	GC20P044355	4.429037
CRH	Corticotropin Releasing Hormone	Protein Coding	P06850	52	GC08M066176	4.42372
CCL24	C-C Motif Chemokine Ligand 24	Protein Coding	O00175	47	GC07M078583	4.415158
UROD	Uroporphyrinogen Decarboxylase	Protein Coding	P06132	54	GC01P049890	4.413501
MIR302C	MicroRNA 302c	RNA Gene		26	GC04M112923	4.410045
DAAM1	Dishevelled Associated Activator Of Morphogenesis 1	Protein Coding	Q9Y4D1	50	GC14P059188	4.40736
OTX2	Orthodenticle Homeobox 2	Protein Coding	P32243	55	GC14M056799	4.407268
BRIP1	BRCA1 Interacting Helicase 1	Protein Coding	Q9BX63	57	GC17M061679	4.406929
CPA1	Carboxypeptidase A1	Protein Coding	P15085	51	GC07P130380	4.406467
NNMT	Nicotinamide N-Methyltransferase	Protein Coding	P40261	53	GC11P114257	4.404468
A2ML1	Alpha-2-Macroglobulin Like 1	Protein Coding	A8K2U0	48	GC12P008822	4.402844
PANK2	Pantothenate Kinase 2	Protein Coding	Q9BZ23	54	GC20P008172	4.396662
MRPS22	Mitochondrial Ribosomal Protein S22	Protein Coding	P82650	50	GC03P139005	4.393174
PRDX6	Peroxiredoxin 6	Protein Coding	P30041	54	GC01P173477	4.392002
SALL4	Spalt Like Transcription Factor 4	Protein	Q9UJQ4	52	GC20M051784	4.391617

		Coding				
RIPK3	Receptor Interacting Serine/Threonine Kinase 3	Protein Coding	Q9Y572	52	GC14M024336	4.388396
CGAS	Cyclic GMP-AMP Synthase	Protein Coding	Q8N884	44	GC06M094311	4.387056
TCN2	Transcobalamin 2	Protein Coding	P20062	52	GC22P070335	4.38512
TFEB	Transcription Factor EB	Protein Coding	P19484	51	GC06M093992	4.382632
AP3B2	Adaptor Related Protein Complex 3 Subunit Beta 2	Protein Coding	Q13367	50	GC15M148389	4.372449
LAMA5	Laminin Subunit Alpha 5	Protein Coding	O15230	52	GC20M062307	4.37201
SPINT2	Serine Peptidase Inhibitor, Kunitz Type 2	Protein Coding	O43291	50	GC19P038244	4.369596
KLF5	KLF Transcription Factor 5	Protein Coding	Q13887	53	GC13P073054	4.36836
ATP4A	ATPase H+/K+ Transporting Subunit Alpha	Protein Coding	P20648	49	GC19M093513	4.363336
IFNAR2	Interferon Alpha And Beta Receptor Subunit 2	Protein Coding	P48551	58	GC21P033229	4.361997
ADARB1	Adenosine Deaminase RNA Specific B1	Protein Coding	P78563	53	GC21P045073	4.361537
MYH2	Myosin Heavy Chain 2	Protein Coding	Q9UKX2	53	GC17M010521	4.359669
CHRNB1	Cholinergic Receptor Nicotinic Beta 1 Subunit	Protein Coding	P11230	53	GC17P111178	4.359136
DNAJB4	DnaJ Heat Shock Protein Family (Hsp40) Member B4	Protein Coding	Q9UDY4	46	GC01P077979	4.355976
SGO1-AS1	SGO1 Antisense RNA 1	RNA Gene		22	GC03P021769	4.354669
CUX1	Cut Like Homeobox 1	Protein Coding	Q13948	54	GC07P101815	4.354531
RO60	Ro60, Y RNA Binding Protein	Protein Coding	P10155	45	GC01P193059	4.353196

MAS1	MAS1 Proto-Oncogene, G Protein-Coupled Receptor	Protein Coding	P04201	43	GC06P162570	4.350217
CEBPA	CCAAT Enhancer Binding Protein Alpha	Protein Coding	P49715	54	GC19M033299	4.345715
DRD4	Dopamine Receptor D4	Protein Coding	P21917	54	GC11P010613	4.343402
ATF4	Activating Transcription Factor 4	Protein Coding	P18848	55	GC22P039519	4.34168
WWOX	WW Domain Containing Oxidoreductase	Protein Coding	Q9NZC7	54	GC16P078099	4.335586
NR4A2	Nuclear Receptor Subfamily 4 Group A Member 2	Protein Coding	P43354	54	GC02M156324	4.332789
LOC126806433	BRD4-Independent Group 4 Enhancer GRCh37_chr2:179638309-179639508	Functional Element		8	GC02P178773	4.331133
OCA2	OCA2 Melanosomal Transmembrane Protein	Protein Coding	Q04671	53	GC15M027754	4.32895
RAD50	RAD50 Double Strand Break Repair Protein	Protein Coding	Q92878	58	GC05P132556	4.328556
SOCS2	Suppressor Of Cytokine Signaling 2	Protein Coding	O14508	51	GC12P093569	4.32854
AURKA	Aurora Kinase A	Protein Coding	O14965	60	GC20M056370	4.327678
FOXA2	Forkhead Box A2	Protein Coding	Q9Y261	55	GC20M022581	4.326537
SYNGAP1	Synaptic Ras GTPase Activating Protein 1	Protein Coding	Q96PV0	56	GC06P134914	4.326497
DCK	Deoxycytidine Kinase	Protein Coding	P27707	52	GC04P070992	4.325412
SSB	Small RNA Binding Exonuclease Protection Factor La	Protein Coding	P05455	51	GC02P169791	4.320539
FCGRT	Fc Gamma Receptor And Transporter	Protein Coding	P55899	52	GC19P049506	4.318254
PDHA1	Pyruvate Dehydrogenase E1 Subunit Alpha 1	Protein Coding	P08559	56	GC0XP019343	4.317891

MIR362	MicroRNA 362	RNA Gene		22	GC0XP057620	4.316366
MIR1-1	MicroRNA 1-1	RNA Gene		24	GC20P066953	4.308517
MTUS1	Microtubule Associated Scaffold Protein 1	Protein Coding	Q9ULD2	44	GC08M017643	4.308398
CD226	CD226 Molecule	Protein Coding	Q15762	50	GC18M069831	4.306345
AZF1	Azoospermia Factor 1	Genetic Locus		11	GC0YU990003	4.303116
CTBP2	C-Terminal Binding Protein 2	Protein Coding	P56545	49	GC10M124984	4.301326
ZFPM1	Zinc Finger Protein, FOG Family Member 1	Protein Coding	Q8IX07	45	GC16P088451	4.300118
SERPINB3	Serpin Family B Member 3	Protein Coding	P29508	49	GC18M063655	4.298621
AVPR2	Arginine Vasopressin Receptor 2	Protein Coding	P30518	54	GC0XP153902	4.29862
FOSL2	FOS Like 2, AP-1 Transcription Factor Subunit	Protein Coding	P15408	49	GC02P028392	4.295358
MIR215	MicroRNA 215	RNA Gene		26	GC01M220117	4.287674
PTGER3	Prostaglandin E Receptor 3	Protein Coding	P43115	53	GC01M070852	4.286635
IL18BP	Interleukin 18 Binding Protein	Protein Coding	O95998	50	GC11P071998	4.28128
HDAC8	Histone Deacetylase 8	Protein Coding	Q9BY41	55	GC0XM072329	4.279202
BMAL1	Basic Helix-Loop-Helix ARNT Like 1	Protein Coding	O00327	51	GC11P013277	4.277485
PLOD1	Procollagen-Lysine,2-Oxoglutarate 5-Dioxygenase 1	Protein Coding	Q02809	53	GC01P011934	4.276768
CACNA1S	Calcium Voltage-Gated Channel Subunit Alpha1 S	Protein Coding	Q13698	58	GC01M201008	4.27412
PAPPA-AS1	PAPPA Antisense RNA 1	RNA Gene	Q5QFB9	27	GC09M116398	4.270321
CCL8	C-C Motif Chemokine Ligand 8	Protein Coding	P80075	47	GC17P034319	4.27028

PLCE1	Phospholipase C Epsilon 1	Protein Coding	Q9P212	52	GC10P093993	4.266548
STK4	Serine/Threonine Kinase 4	Protein Coding	Q13043	57	GC20P044966	4.265252
E2F4	E2F Transcription Factor 4	Protein Coding	Q16254	53	GC16P067192	4.263697
SNORD24	Small Nucleolar RNA, C/D Box 24	RNA Gene		24	GC09P133349	4.25879
F12	Coagulation Factor XII	Protein Coding	P00748	56	GC05M177402	4.257324
RPL35A	Ribosomal Protein L35a	Protein Coding	P18077	51	GC03P198933	4.253797
MYO5A	Myosin VA	Protein Coding	Q9Y4I1	53	GC15M149601	4.253195
DNAH1	Dynein Axonemal Heavy Chain 1	Protein Coding	Q9P2D7	44	GC03P058087	4.25293
DUOX2	Dual Oxidase 2	Protein Coding	Q9NRD8	52	GC15M045092	4.252735
SLC20A1	Solute Carrier Family 20 Member 1	Protein Coding	Q8WUM9	52	GC02P143680	4.249256
RPN1	Ribophorin I	Protein Coding	P04843	50	GC03M128619	4.246752
SLC26A2	Solute Carrier Family 26 Member 2	Protein Coding	P50443	52	GC05P152384	4.240712
NARS1	Asparaginyl-TRNA Synthetase 1	Protein Coding	O43776	52	GC18M057601	4.239426
TACR1	Tachykinin Receptor 1	Protein Coding	P25103	54	GC02M075597	4.239242
DNAAF1	Dynein Axonemal Assembly Factor 1	Protein Coding	Q8NEP3	45	GC16P084145	4.238604
SPTAN1	Spectrin Alpha, Non-Erythrocytic 1	Protein Coding	Q13813	57	GC09P128552	4.237447
GPX1	Glutathione Peroxidase 1	Protein Coding	P07203	51	GC03M053731	4.233317
CCL1	C-C Motif Chemokine Ligand 1	Protein	P22362	46	GC17M076597	4.228552

		Coding				
ATP6V1B1	ATPase H+ Transporting V1 Subunit B1	Protein Coding	P15313	52	GC02P070935	4.225118
AIMP2	Aminoacyl TRNA Synthetase Complex Interacting Multifunctional Protein 2	Protein Coding	Q13155	52	GC07P011560	4.220063
MDGA2	MAM Domain Containing Glycosylphosphatidylinositol Anchor 2	Protein Coding	Q7Z553	41	GC14M046839	4.216814
ATF3	Activating Transcription Factor 3	Protein Coding	P18847	53	GC01P212565	4.21162
RPS15	Ribosomal Protein S15	Protein Coding	P62841	46	GC19P001438	4.211545
EVC	EvC Ciliary Complex Subunit 1	Protein Coding	P57679	46	GC04P005721	4.209243
ADNP	Activity Dependent Neuroprotector Homeobox	Protein Coding	Q9H2P0	52	GC20M050888	4.203251
CARINH	Colitis Associated IRF1 Antisense Regulator Of Intestinal Homeostasis	RNA Gene	Q8N8D9	26	GC05P132487	4.200694
CD55	CD55 Molecule (Cromer Blood Group)	Protein Coding	P08174	58	GC01P207321	4.195731
CYP21A2	Cytochrome P450 Family 21 Subfamily A Member 2	Protein Coding	P08686	52	GC06P134844	4.192378
VAMP8	Vesicle Associated Membrane Protein 8	Protein Coding	Q9BV40	48	GC02P085561	4.192208
BCS1L	BCS1 Homolog, Ubiquinol-Cytochrome C Reductase Complex Chaperone	Protein Coding	Q9Y276	54	GC02P218658	4.19079
TRPC1	Transient Receptor Potential Cation Channel Subfamily C Member 1	Protein Coding	P48995	50	GC03P142724	4.188635
HLA-DRB4	Major Histocompatibility Complex, Class II, DR Beta 4	Protein Coding	P13762	36	GC06Mo03851	4.180971
CDK4	Cyclin Dependent Kinase 4	Protein Coding	P11802	62	GC12M059354	4.174321
ANK3	Ankyrin 3	Protein Coding	Q12955	51	GC10M060026	4.172564
HDAC3	Histone Deacetylase 3	Protein	O15379	58	GC05M141620	4.167639

		Coding				
MIR196B	MicroRNA 196b	RNA Gene		27	GC07M027997	4.16682
FBLN2	Fibulin 2	Protein Coding	P98095	51	GC03P021604	4.166343
SLC2A4	Solute Carrier Family 2 Member 4	Protein Coding	P14672	55	GC17P111162	4.16558
FST	Follistatin	Protein Coding	P19883	57	GC05P053480	4.165566
PHGDH	Phosphoglycerate Dehydrogenase	Protein Coding	O43175	59	GC01P119660	4.161824
CDX2	Caudal Type Homeobox 2	Protein Coding	Q99626	51	GC13M027962	4.160866
MYB	MYB Proto-Oncogene, Transcription Factor	Protein Coding	P10242	56	GC06P135181	4.160697
APOA4	Apolipoprotein A4	Protein Coding	P06727	50	GC11M116820	4.158176
ABCC3	ATP Binding Cassette Subfamily C Member 3	Protein Coding	O15438	53	GC17P050634	4.158126
AKR1A1	Aldo-Keto Reductase Family 1 Member A1	Protein Coding	P14550	53	GC01P045550	4.154406
CYP27A1	Cytochrome P450 Family 27 Subfamily A Member 1	Protein Coding	Q02318	55	GC02P218781	4.150642
RAD51B	RAD51 Paralog B	Protein Coding	O15315	48	GC14P067819	4.144997
CAPN1	Calpain 1	Protein Coding	P07384	59	GC11P089060	4.143287
NR0B2	Nuclear Receptor Subfamily 0 Group B Member 2	Protein Coding	Q15466	49	GC01M031090	4.142153
SH2D1A	SH2 Domain Containing 1A	Protein Coding	O60880	55	GC0XP124227	4.141676
PLCG1	Phospholipase C Gamma 1	Protein Coding	P19174	56	GC20P041136	4.141618
CARMIL2	Capping Protein Regulator And Myosin 1 Linker 2	Protein Coding	Q6F5E8	43	GC16P067644	4.140118

RSPO3	R-Spondin 3	Protein Coding	Q9BXY4	45	GC06P127118	4.139884
LDHA	Lactate Dehydrogenase A	Protein Coding	P00338	59	GC11P018394	4.137657
MIR224	MicroRNA 224	RNA Gene		24	GC0XM151958	4.137513
HAS1	Hyaluronan Synthase 1	Protein Coding	Q92839	47	GC19M093215	4.135865
CNTNAP2	Contactin Associated Protein 2	Protein Coding	Q9UHC6	54	GC07P146116	4.135017
IRF6	Interferon Regulatory Factor 6	Protein Coding	O14896	51	GC01M209785	4.132375
AOC3	Amine Oxidase Copper Containing 3	Protein Coding	Q16853	54	GC17P042851	4.130437
NOP58	NOP58 Ribonucleoprotein	Protein Coding	Q9Y2X3	45	GC02P202265	4.129898
RAPGEF3	Rap Guanine Nucleotide Exchange Factor 3	Protein Coding	O95398	50	GC12M047736	4.127409
SLC6A1	Solute Carrier Family 6 Member 1	Protein Coding	P30531	55	GC03P021541	4.127049
CPT2	Carnitine Palmitoyltransferase 2	Protein Coding	P23786	59	GC01P053196	4.126937
SNHG1	Small Nucleolar RNA Host Gene 1	RNA Gene		28	GC11M125254	4.126246
FTH1	Ferritin Heavy Chain 1	Protein Coding	P02794	58	GC11M061959	4.126061
IFNAR1	Interferon Alpha And Beta Receptor Subunit 1	Protein Coding	P17181	57	GC21P033324	4.125282
CALML5	Calmodulin Like 5	Protein Coding	Q9NZT1	46	GC10M005498	4.123741
PTPRD	Protein Tyrosine Phosphatase Receptor Type D	Protein Coding	P23468	54	GC09M008307	4.118641
SIRT6	Sirtuin 6	Protein Coding	Q8N6T7	52	GC19M004174	4.115032
RN7SL1	RNA Component Of Signal Recognition Particle 7SL1	RNA Gene		24	GC14P049546	4.114987

SFN	Stratifin	Protein Coding	P31947	54	GC01P041975	4.114868
COL5A2	Collagen Type V Alpha 2 Chain	Protein Coding	P05997	53	GC02M189031	4.113231
SELENOP	Selenoprotein P	Protein Coding	P49908	45	GC05M042800	4.112843
POU5F1	POU Class 5 Homeobox 1	Protein Coding	Q01860	55	GC06M093732	4.112123
HHIP-AS1	HHIP Antisense RNA 1	RNA Gene		17	GC04M144642	4.110864
EIF2AK3	Eukaryotic Translation Initiation Factor 2 Alpha Kinase 3	Protein Coding	Q9NZJ5	58	GC02M088556	4.110487
SERPINB2	Serpin Family B Member 2	Protein Coding	P05120	53	GC18P063871	4.110187
CHCHD10	Coiled-Coil-Helix-Coiled-Coil-Helix Domain Containing 10	Protein Coding	Q8WYQ3	48	GC22M023765	4.108849
IL1F10	Interleukin 1 Family Member 10	Protein Coding	Q8WWZ1	46	GC02P113067	4.10435
MIR181A1	MicroRNA 181a-1	RNA Gene		26	GC01M198860	4.102531
CD2AP	CD2 Associated Protein	Protein Coding	Q9Y5K6	51	GC06P135083	4.099227
ABCG8	ATP Binding Cassette Subfamily G Member 8	Protein Coding	Q9H221	50	GC02P043828	4.09826
CNR1	Cannabinoid Receptor 1	Protein Coding	P21554	55	GC06M088139	4.095898
NRXN1	Neurexin 1	Protein Coding	Q9ULB1	57	GC02M049918	4.095365
CLCN6	Chloride Voltage-Gated Channel 6	Protein Coding	P51797	51	GC01P011806	4.094832
EGLN2	Egl-9 Family Hypoxia Inducible Factor 2	Protein Coding	Q96KS0	53	GC19P113092	4.093592
NAB2	NGFI-A Binding Protein 2	Protein Coding	Q15742	49	GC12P060664	4.092908
SOX18	SRY-Box Transcription Factor 18	Protein Coding	P35713	49	GC20M064047	4.091407

RAD51C	RAD51 Paralog C	Protein Coding	O43502	52	GC17P058692	4.088895
ATP1A3	ATPase Na+/K+ Transporting Subunit Alpha 3	Protein Coding	P13637	57	GC19M041966	4.085789
VANGL1	VANGL Planar Cell Polarity Protein 1	Protein Coding	Q8TAA9	50	GC01P115641	4.08415
KDM6A	Lysine Demethylase 6A	Protein Coding	O15550	56	GC0XP044873	4.083792
BCL2L11	BCL2 Like 11	Protein Coding	O43521	53	GC02P111119	4.082205
DRD1	Dopamine Receptor D1	Protein Coding	P21728	53	GC05M175440	4.081997
ANTXR2	ANTXR Cell Adhesion Molecule 2	Protein Coding	P58335	54	GC04M079901	4.081047
PNPLA2	Patatin Like Phospholipase Domain Containing 2	Protein Coding	Q96AD5	53	GC11P010627	4.080235
PVALB	Parvalbumin	Protein Coding	P20472	50	GC22M036800	4.079493
GGH	Gamma-Glutamyl Hydrolase	Protein Coding	Q92820	51	GC08M063014	4.077955
LAMB2	Laminin Subunit Beta 2	Protein Coding	P55268	54	GC03M049121	4.077556
UNC45B	Unc-45 Myosin Chaperone B	Protein Coding	Q8IWX7	49	GC17P111948	4.077221
FKBP10	FKBP Prolyl Isomerase 10	Protein Coding	Q96AY3	50	GC17P041812	4.076134
AMH	Anti-Mullerian Hormone	Protein Coding	P03971	53	GC19P111907	4.075894
HDAC1	Histone Deacetylase 1	Protein Coding	Q13547	59	GC01P032292	4.074471
OCRL	OCRL Inositol Polyphosphate-5-Phosphatase	Protein Coding	Q01968	53	GC0XP129539	4.074222
EHHADH	Enoyl-CoA Hydratase And 3-Hydroxyacyl CoA Dehydrogenase	Protein Coding	Q08426	51	GC03M185190	4.073529

INHBA	Inhibin Subunit Beta A	Protein Coding	P08476	53	GC07M041670	4.072654
CYP7A1	Cytochrome P450 Family 7 Subfamily A Member 1	Protein Coding	P22680	51	GC08M058490	4.072236
ARRB1	Arrestin Beta 1	Protein Coding	P49407	53	GC11M125753	4.069097
SPRY2	Sprouty RTK Signaling Antagonist 2	Protein Coding	O43597	55	GC13M080335	4.062583
DNASE1L3	Deoxyribonuclease 1 Like 3	Protein Coding	Q13609	51	GC03M058192	4.062547
MDC1	Mediator Of DNA Damage Checkpoint 1	Protein Coding	Q14676	51	GC06M093706	4.061462
XPO1	Exportin 1	Protein Coding	O14980	56	GC02M061445	4.060286
CD99P1	CD99 Molecule Pseudogene 1	Pseudogene		15	GC0XP002609	4.059149
FANCE	FA Complementation Group E	Protein Coding	Q9HB96	51	GC06P134967	4.057565
PPP2CA	Protein Phosphatase 2 Catalytic Subunit Alpha	Protein Coding	P67775	57	GC05M134194	4.056181
HIF1AN	Hypoxia Inducible Factor 1 Subunit Alpha Inhibitor	Protein Coding	Q9NWT6	48	GC10P100529	4.055823
EFNB2	Ephrin B2	Protein Coding	P52799	52	GC13M106489	4.05536
SNORA73B	Small Nucleolar RNA, H/ACA Box 73B	RNA Gene		24	GC01P028508	4.044327
NOG	Noggin	Protein Coding	Q13253	55	GC17P056593	4.034976
HYLS1	HYLS1 Centriolar And Ciliogenesis Associated	Protein Coding	Q96M11	47	GC11P125883	4.026842
CD207	CD207 Molecule	Protein Coding	Q9UJ71	47	GC02M070830	4.025061
ZFAS1	ZNFX1 Antisense RNA 1	RNA Gene		28	GC20P049276	4.024176
IL15RA	Interleukin 15 Receptor Subunit Alpha	Protein Coding	Q13261	48	GC10M005943	4.022637
FANCF	FA Complementation Group F	Protein	Q9NPI8	50	GC11M022600	4.020675

		Coding				
MYCL	MYCL Proto-Oncogene, BHLH Transcription Factor	Protein Coding	P12524	46	GC01M039895	4.013488
RSPH9	Radial Spoke Head Component 9	Protein Coding	Q9H1X1	45	GC06P135046	4.012493
ADH1B	Alcohol Dehydrogenase 1B (Class I), Beta Polypeptide	Protein Coding	P00325	54	GC04M099304	4.011523
GPT2	Glutamic--Pyruvic Transaminase 2	Protein Coding	Q8TD30	54	GC16P082088	4.009316
NTRK1	Neurotrophic Receptor Tyrosine Kinase 1	Protein Coding	P04629	58	GC01P156815	4.007707
HCG26	HLA Complex Group 26	RNA Gene		20	GC06P134814	4.001147
ITPR1	Inositol 1,4,5-Trisphosphate Receptor Type 1	Protein Coding	Q14643	58	GC03P004486	3.998785
LMOD2	Leiomodin 2	Protein Coding	Q6P5Q4	42	GC07P123655	3.997278
CD1D	CD1d Molecule	Protein Coding	P15813	51	GC01P158178	3.994455
CD1B	CD1b Molecule	Protein Coding	P29016	46	GC01M161284	3.994455
NUP133	Nucleoporin 133	Protein Coding	Q8WUM0	50	GC01M230219	3.993111
KCNE2	Potassium Voltage-Gated Channel Subfamily E Regulatory Subunit 2	Protein Coding	Q9Y6J6	51	GC21P034364	3.991709
SMURF1	SMAD Specific E3 Ubiquitin Protein Ligase 1	Protein Coding	Q9HCE7	52	GC07M099027	3.991641
NTF3	Neurotrophin 3	Protein Coding	P20783	53	GC12P038933	3.983586
TRAF1	TNF Receptor Associated Factor 1	Protein Coding	Q13077	51	GC09M120902	3.98228
ECT2	Epithelial Cell Transforming 2	Protein Coding	Q9H8V3	50	GC03P172750	3.980214
HMGA1	High Mobility Group AT-Hook 1	Protein Coding	P17096	55	GC06P134947	3.980047

MT-TF	Mitochondrially Encoded TRNA-Phe (UUU/C)	RNA Gene		19	GCMTP000580	3.978379
CDC25A	Cell Division Cycle 25A	Protein Coding	P30304	56	GC03M048307	3.976918
ATRIP	ATR Interacting Protein	Protein Coding	Q8WXE1	51	GC03P057588	3.976316
NR1H2	Nuclear Receptor Subfamily 1 Group H Member 2	Protein Coding	P55055	54	GC19P050329	3.972972
TUBB2A	Tubulin Beta 2A Class IIa	Protein Coding	Q13885	55	GC06M003153	3.971823
COX6B1	Cytochrome C Oxidase Subunit 6B1	Protein Coding	P14854	51	GC19P112936	3.969666
BMP15	Bone Morphogenetic Protein 15	Protein Coding	O95972	51	GC0XP050910	3.967512
LRPPRC	Leucine Rich Pentatricopeptide Repeat Containing	Protein Coding	P42704	51	GC02M043886	3.964749
GSTO2	Glutathione S-Transferase Omega 2	Protein Coding	Q9H4Y5	48	GC10P104268	3.964559
MIR129-2	MicroRNA 129-2	RNA Gene		25	GC11P043991	3.962431
DNM3	Dynamin 3	Protein Coding	Q9UQ16	51	GC01P171930	3.960204
LIPC	Lipase C, Hepatic Type	Protein Coding	P11150	54	GC15P058410	3.959805
DCT	Dopachrome Tautomerase	Protein Coding	P40126	53	GC13M094436	3.959086
KANK1	KN Motif And Ankyrin Repeat Domains 1	Protein Coding	Q14678	51	GC09P000474	3.952563
ITPR3	Inositol 1,4,5-Trisphosphate Receptor Type 3	Protein Coding	Q14573	55	GC06P033620	3.951911
PPCS	Phosphopantothenoylcysteine Synthetase	Protein Coding	Q9HAB8	48	GC01P042456	3.947324
HSF1	Heat Shock Transcription Factor 1	Protein Coding	Q00613	56	GC08P144291	3.946778
GPRC5A	G Protein-Coupled Receptor Class C Group 5 Member A	Protein Coding	Q8NFJ5	47	GC12P012890	3.944374

OTC	Ornithine Transcarbamylase	Protein Coding	P00480	55	GC0XP038335	3.941592
PXN	Paxillin	Protein Coding	P49023	53	GC12M120210	3.941222
MYOZ2	Myozenin 2	Protein Coding	Q9NPC6	48	GC04P119135	3.936873
MSLN	Mesothelin	Protein Coding	Q13421	52	GC16P080176	3.93303
MAF	MAF BZIP Transcription Factor	Protein Coding	O75444	54	GC16M079204	3.932208
ERCC4	ERCC Excision Repair 4, Endonuclease Catalytic Subunit	Protein Coding	Q92889	54	GC16P013920	3.92955
MIR34B	MicroRNA 34b	RNA Gene		28	GC11P112476	3.929
CUL1	Cullin 1	Protein Coding	Q13616	53	GC07P148697	3.92891
REV3L	REV3 Like, DNA Directed Polymerase Zeta Catalytic Subunit	Protein Coding	O60673	53	GC06M111299	3.927253
SPINT1	Serine Peptidase Inhibitor, Kunitz Type 1	Protein Coding	O43278	50	GC15P040844	3.924903
MC1R	Melanocortin 1 Receptor	Protein Coding	Q01726	56	GC16P089912	3.922837
TNFRSF10B	TNF Receptor Superfamily Member 10b	Protein Coding	O14763	59	GC08M023020	3.916808
PTGES	Prostaglandin E Synthase	Protein Coding	O14684	51	GC09M129738	3.912799
ITK	IL2 Inducible T Cell Kinase	Protein Coding	Q08881	60	GC05P157158	3.909693
CUL3	Cullin 3	Protein Coding	Q13618	57	GC02M224470	3.908203
MIR664A	MicroRNA 664a	RNA Gene		18	GC01M220200	3.906942
MIR10A	MicroRNA 10a	RNA Gene		27	GC17M048579	3.904352
SMAD5	SMAD Family Member 5	Protein Coding	Q99717	51	GC05P136132	3.90407
SLC12A3	Solute Carrier Family 12 Member 3	Protein	P55017	56	GC16P056865	3.901516

		Coding				
CSTB	Cystatin B	Protein Coding	P04080	55	GC21M043772	3.90137
EIF6	Eukaryotic Translation Initiation Factor 6	Protein Coding	P56537	49	GC20M035278	3.898132
MAML2	Mastermind Like Transcriptional Coactivator 2	Protein Coding	Q8IZL2	46	GC11M095976	3.897089
LOC129935182	ATAC-STARR-Seq Lymphoblastoid Active Region 16807	Functional Element		8	GC02P178530	3.893246
TRIP4	Thyroid Hormone Receptor Interactor 4	Protein Coding	Q15650	50	GC15P157652	3.892613
ADAMTS2	ADAM Metallopeptidase With Thrombospondin Type 1 Motif 2	Protein Coding	O95450	50	GC05M179110	3.888682
LINC01149	Long Intergenic Non-Protein Coding RNA 1149	RNA Gene		16	GC06P134813	3.887403
FOXL2	Forkhead Box L2	Protein Coding	P58012	50	GC03M138944	3.887399
RFX3	Regulatory Factor X3	Protein Coding	P48380	48	GC09M003214	3.882778
KRIT1	KRIT1 Ankyrin Repeat Containing	Protein Coding	O00522	51	GC07M092198	3.880818
HAS2	Hyaluronan Synthase 2	Protein Coding	Q92819	50	GC08M121612	3.879247
F2RL2	Coagulation Factor II Thrombin Receptor Like 2	Protein Coding	O00254	48	GC05M076615	3.875055
AKT3	AKT Serine/Threonine Kinase 3	Protein Coding	Q9Y243	63	GC01M243488	3.874262
CCDC103	Coiled-Coil Domain Containing 103	Protein Coding	Q8IW40	43	GC17P112393	3.870384
PRSS23	Serine Protease 23	Protein Coding	O95084	47	GC11P086791	3.869606
MMP28	Matrix Metallopeptidase 28	Protein Coding	Q9H239	45	GC17M035756	3.86792
LRRC37A2	Leucine Rich Repeat Containing 37 Member A2	Protein Coding	A6NM11	39	GC17P120635	3.866808

ATP2B1	ATPase Plasma Membrane Ca2+ Transporting 1	Protein Coding	P20020	51	GC12M089588	3.865598
IL11RA	Interleukin 11 Receptor Subunit Alpha	Protein Coding	Q14626	52	GC09P057065	3.865421
TACR2	Tachykinin Receptor 2	Protein Coding	P21452	51	GC10M069403	3.858617
ATG5	Autophagy Related 5	Protein Coding	Q9H1Y0	54	GC06M106045	3.856468
ARF1	ADP Ribosylation Factor 1	Protein Coding	P84077	54	GC01P228082	3.856398
YTHDF1	YTH N6-Methyladenosine RNA Binding Protein F1	Protein Coding	Q9BYJ9	44	GC20M063195	3.854176
C1QBP	Complement C1q Binding Protein	Protein Coding	Q07021	53	GC17M005432	3.853715
B3GALT6	Beta-1,3-Galactosyltransferase 6	Protein Coding	Q96L58	48	GC01P001232	3.843521
MMP16	Matrix Metallopeptidase 16	Protein Coding	P51512	53	GC08M088032	3.843292
ARHGAP35	Rho GTPase Activating Protein 35	Protein Coding	Q9NRY4	46	GC19P046860	3.838626
RPS24	Ribosomal Protein S24	Protein Coding	P62847	52	GC10P078033	3.836569
DNM2	Dynamin 2	Protein Coding	P50570	58	GC19P010718	3.835742
NFKB2	Nuclear Factor Kappa B Subunit 2	Protein Coding	Q00653	60	GC10P102394	3.834522
DNAAF11	Dynein Axonemal Assembly Factor 11	Protein Coding	Q86X45	46	GC08M135908	3.833656
RPS19	Ribosomal Protein S19	Protein Coding	P39019	56	GC19P113140	3.829381
CGB5	Chorionic Gonadotropin Subunit Beta 5	Protein Coding	P0DN86	38	GC19P049043	3.828837
STX11	Syntaxin 11	Protein Coding	O75558	48	GC06P144520	3.824543

CDK6	Cyclin Dependent Kinase 6	Protein Coding	Q00534	60	GC07M092604	3.823226
PCSK9	Proprotein Convertase Subtilisin/Kexin Type 9	Protein Coding	Q8NBP7	59	GC01P055039	3.822243
MIR615	MicroRNA 615	RNA Gene		27	GC12P054033	3.822087
ITLN1	Intelectin 1	Protein Coding	Q8WWA0	47	GC01M160876	3.821894
MYOM1	Myomesin 1	Protein Coding	P52179	47	GC18M003066	3.820507
VDAC2	Voltage Dependent Anion Channel 2	Protein Coding	P45880	53	GC10P075210	3.818673
B4GALT7	Beta-1,4-Galactosyltransferase 7	Protein Coding	Q9UBV7	48	GC05P177600	3.818302
SLC7A11	Solute Carrier Family 7 Member 11	Protein Coding	Q9UPY5	53	GC04M138164	3.81806
ACKR1	Atypical Chemokine Receptor 1 (Duffy Blood Group)	Protein Coding	Q16570	51	GC01P164773	3.815824
TXNDC5	Thioredoxin Domain Containing 5	Protein Coding	Q8NBS9	46	GC06M007893	3.814246
TIA1	TIA1 Cytotoxic Granule Associated RNA Binding Protein	Protein Coding	P31483	51	GC02M070209	3.813008
DHCR7	7-Dehydrocholesterol Reductase	Protein Coding	Q9UBM7	56	GC11M071428	3.811981
GZMA	Granzyme A	Protein Coding	P12544	51	GC05P055102	3.809679
AGRN	Agrin	Protein Coding	O00468	54	GC01P001020	3.804618
CYGB	Cytoglobin	Protein Coding	Q8WWM9	48	GC17M076527	3.801951
LARS1	Leucyl-TRNA Synthetase 1	Protein Coding	Q9P2J5	52	GC05M146114	3.797962
MIR374A	MicroRNA 374a	RNA Gene		25	GC0XM074300	3.792473
MAP3K19	Mitogen-Activated Protein Kinase Kinase Kinase 19	Protein Coding	Q56UN5	39	GC02M134964	3.788604

CTSH	Cathepsin H	Protein Coding	P09668	52	GC15M148321	3.785545
GATM	Glycine Amidinotransferase	Protein Coding	P50440	54	GC15M045361	3.784484
CGB3	Chorionic Gonadotropin Subunit Beta 3	Protein Coding	P0DN86	42	GC19M093065	3.782501
CD5	CD5 Molecule	Protein Coding	P06127	51	GC11P088701	3.782413
ARHGDIA	Rho GDP Dissociation Inhibitor Alpha	Protein Coding	P52565	53	GC17M081867	3.779231
FNDC5	Fibronectin Type III Domain Containing 5	Protein Coding	Q8NAU1	43	GC01M033961	3.776564
DUOX1	Dual Oxidase 1	Protein Coding	Q9NRD9	50	GC15P045129	3.767689
SLC24A5	Solute Carrier Family 24 Member 5	Protein Coding	Q71RS6	48	GC15P048120	3.760589
COL11A2	Collagen Type XI Alpha 2 Chain	Protein Coding	P13942	52	GC06M033162	3.757861
LY96	Lymphocyte Antigen 96	Protein Coding	Q9Y6Y9	52	GC08P073991	3.755655
LINC00960	Long Intergenic Non-Protein Coding RNA 960	RNA Gene		15	GC03P075672	3.755136
CDH13	Cadherin 13	Protein Coding	P55290	53	GC16P082626	3.755023
RNF216	Ring Finger Protein 216	Protein Coding	Q9NWF9	51	GC07M005620	3.753433
MIR194-2	MicroRNA 194-2	RNA Gene		24	GC11M125338	3.752988
LMOD3	Leiomodin 3	Protein Coding	Q0VAK6	48	GC03M069156	3.752869
RSPH1	Radial Spoke Head Component 1	Protein Coding	Q8WYR4	47	GC21M042472	3.750897
SLC35A2	Solute Carrier Family 35 Member A2	Protein Coding	P78381	48	GC0XM048903	3.747576
ATP13A2	ATPase Cation Transporting 13A2	Protein Coding	Q9NQ11	53	GC01M016985	3.740648

IGF2R	Insulin Like Growth Factor 2 Receptor	Protein Coding	P11717	56	GC06P159969	3.740003
CEMIP	Cell Migration Inducing Hyaluronidase 1	Protein Coding	Q8WUJ3	45	GC15P080779	3.739571
RNASEH2B	Ribonuclease H2 Subunit B	Protein Coding	Q5TBB1	46	GC13P050909	3.736787
KCNE3	Potassium Voltage-Gated Channel Subfamily E Regulatory Subunit 3	Protein Coding	Q9Y6H6	53	GC11M074454	3.735735
RBP1	Retinol Binding Protein 1	Protein Coding	P09455	48	GC03M139517	3.735612
TP53BP1	Tumor Protein P53 Binding Protein 1	Protein Coding	Q12888	53	GC15M043403	3.734053
SUV39H1	SUV39H1 Histone Lysine Methyltransferase	Protein Coding	O43463	51	GC0XP057564	3.732221
GDF11	Growth Differentiation Factor 11	Protein Coding	O95390	51	GC12P055743	3.731468
RB1	RB Transcriptional Corepressor 1	Protein Coding	P06400	57	GC13P048303	3.731128
PITRM1	Pitrilysin Metallopeptidase 1	Protein Coding	Q5JRX3	49	GC10M003138	3.731069
SART1	Spliceosome Associated Factor 1, Recruiter Of U4/U6.U5 Tri-SnRNP	Protein Coding	O43290	45	GC11P089126	3.730513
SYNE2	Spectrin Repeat Containing Nuclear Envelope Protein 2	Protein Coding	Q8WXH0	48	GC14P063761	3.730196
COL4A5	Collagen Type IV Alpha 5 Chain	Protein Coding	P29400	52	GC0XP108439	3.725943
FHOD3	Formin Homology 2 Domain Containing 3	Protein Coding	Q2V2M9	46	GC18P036297	3.72146
TBX21	T-Box Transcription Factor 21	Protein Coding	Q9UL17	54	GC17P047733	3.721184
MIR302D	MicroRNA 302d	RNA Gene		26	GC04M112648	3.720659
RNU7-1	RNA, U7 Small Nuclear 1	RNA Gene		20	GC12P038998	3.717982
MIR218-1	MicroRNA 218-1	RNA Gene		25	GC04P024738	3.717147
CYP2B6	Cytochrome P450 Family 2 Subfamily B Member 6	Protein	P20813	54	GC19P040991	3.716992

		Coding				
IL17RC	Interleukin 17 Receptor C	Protein Coding	Q8NAC3	47	GC03P009917	3.715825
ADAM12	ADAM Metallopeptidase Domain 12	Protein Coding	O43184	53	GC10M126012	3.708489
MIR433	MicroRNA 433	RNA Gene		28	GC14P115742	3.70803
BDKRB2	Bradykinin Receptor B2	Protein Coding	P30411	53	GC14P096205	3.707635
MAGI2	Membrane Associated Guanylate Kinase, WW And PDZ Domain Containing 2	Protein Coding	Q86UL8	52	GC07M078017	3.707186
GPNMB	Glycoprotein Nmb	Protein Coding	Q14956	54	GC07P024082	3.705802
LOC129935183	ATAC-STARR-Seq Lymphoblastoid Active Region 16808	Functional Element		8	GC02P178531	3.703269
SHOX2	SHOX Homeobox 2	Protein Coding	O60902	46	GC03M158095	3.701105
CXCR5	C-X-C Motif Chemokine Receptor 5	Protein Coding	P32302	50	GC11P122176	3.700244
PAX5	Paired Box 5	Protein Coding	Q02548	54	GC09M037043	3.698429
PTGDR2	Prostaglandin D2 Receptor 2	Protein Coding	Q9Y5Y4	51	GC11M060850	3.697872
MTHFSD	Methenyltetrahydrofolate Synthetase Domain Containing	Protein Coding	Q2M296	43	GC16M086530	3.696835
STIM1	Stromal Interaction Molecule 1	Protein Coding	Q13586	58	GC11P010766	3.696247
OMP	Olfactory Marker Protein	Protein Coding	P47874	44	GC11P077102	3.693885
PIGA	Phosphatidylinositol Glycan Anchor Biosynthesis Class A	Protein Coding	P37287	52	GC0XM015319	3.690019
LMF1	Lipase Maturation Factor 1	Protein Coding	Q96S06	47	GC16M000853	3.685303
ROS1	ROS Proto-Oncogene 1, Receptor Tyrosine Kinase	Protein Coding	P08922	54	GC06M117287	3.683974

PPARD	Peroxisome Proliferator Activated Receptor Delta	Protein Coding	Q03181	54	GC06P134964	3.681596
SHQ1	SHQ1, H/ACA Ribonucleoprotein Assembly Factor	Protein Coding	Q6PI26	44	GC03M072725	3.680623
ATF1	Activating Transcription Factor 1	Protein Coding	P18846	53	GC12P050763	3.680197
PDLIM1	PDZ And LIM Domain 1	Protein Coding	O00151	49	GC10M095237	3.679186
MT2A	Metallothionein 2A	Protein Coding	P02795	49	GC16P082422	3.674755
CYP11B1	Cytochrome P450 Family 11 Subfamily B Member 1	Protein Coding	P15538	54	GC08M142872	3.673526
CHRM2	Cholinergic Receptor Muscarinic 2	Protein Coding	P08172	56	GC07P136868	3.672323
LCK	LCK Proto-Oncogene, Src Family Tyrosine Kinase	Protein Coding	P06239	60	GC01P032251	3.672082
ACO2	Aconitase 2	Protein Coding	Q99798	55	GC22P070710	3.672014
FABP2	Fatty Acid Binding Protein 2	Protein Coding	P12104	50	GC04M119317	3.668914
ANKS3	Ankyrin Repeat And Sterile Alpha Motif Domain Containing 3	Protein Coding	Q6ZW76	43	GC16M004696	3.667146
KIF17	Kinesin Family Member 17	Protein Coding	Q9P2E2	46	GC01M020663	3.666629
TRPA1	Transient Receptor Potential Cation Channel Subfamily A Member 1	Protein Coding	O75762	56	GC08M072019	3.665762
SEPTIN2	Septin 2	Protein Coding	Q15019	46	GC02P241325	3.664473
CNTLN	Centlein	Protein Coding	Q9NXG0	44	GC09P017124	3.663682
CTPS1	CTP Synthase 1	Protein Coding	P17812	53	GC01P040979	3.663244
MIR574	MicroRNA 574	RNA Gene		27	GC04P039091	3.661057
PML	PML Nuclear Body Scaffold	Protein	P29590	54	GC15P073994	3.660261

		Coding				
RABIF	RAB Interacting Factor	Protein Coding	P47224	44	GC01M202878	3.659927
MIR23B	MicroRNA 23b	RNA Gene		27	GC09P095085	3.658437
MIR15A	MicroRNA 15a	RNA Gene		23	GC13M050049	3.657434
UGT1A6	UDP Glucuronosyltransferase Family 1 Member A6	Protein Coding	P19224	51	GC02P233691	3.656135
VPS35	VPS35 Retromer Complex Component	Protein Coding	Q96QK1	52	GC16M047289	3.655931
FBLN1	Fibulin 1	Protein Coding	P23142	53	GC22P045502	3.654692
LIG4	DNA Ligase 4	Protein Coding	P49917	56	GC13M108207	3.651589
SMURF2	SMAD Specific E3 Ubiquitin Protein Ligase 2	Protein Coding	Q9HAU4	47	GC17M064542	3.648796
MIR543	MicroRNA 543	RNA Gene		16	GC14P115788	3.646985
CSRP1	Cysteine And Glycine Rich Protein 1	Protein Coding	P21291	48	GC01M201490	3.644581
CAV2	Caveolin 2	Protein Coding	P51636	51	GC07P116287	3.636663
GCN1	GCN1 Activator Of EIF2AK4	Protein Coding	Q92616	43	GC12M120128	3.635249
PRKCE	Protein Kinase C Epsilon	Protein Coding	Q02156	56	GC02P045651	3.634415
ABCA5	ATP Binding Cassette Subfamily A Member 5	Protein Coding	Q8WWZ7	49	GC17M069244	3.633145
PFKFB3	6-Phosphofructo-2-Kinase/Fructose-2,6-Biphosphatase 3	Protein Coding	Q16875	52	GC10P006144	3.632319
ATP6V1B2	ATPase H+ Transporting V1 Subunit B2	Protein Coding	P21281	54	GC08P020197	3.631598
CAPRIN1	Cell Cycle Associated Protein 1	Protein Coding	Q14444	47	GC11P034051	3.63111
EWSR1	EWS RNA Binding Protein 1	Protein Coding	Q01844	54	GC22P070291	3.629497

IL24	Interleukin 24	Protein Coding	Q13007	50	GC01P206897	3.629288
MIR608	MicroRNA 608	RNA Gene		25	GC10P100974	3.624973
DKK3	Dickkopf WNT Signaling Pathway Inhibitor 3	Protein Coding	Q9UBP4	49	GC11M012459	3.623355
CXCL14	C-X-C Motif Chemokine Ligand 14	Protein Coding	O95715	45	GC05M135617	3.622876
PSMD2	Proteasome 26S Subunit Ubiquitin Receptor, Non-ATPase 2	Protein Coding	Q13200	52	GC03P184452	3.621641
ETS2	ETS Proto-Oncogene 2, Transcription Factor	Protein Coding	P15036	50	GC21P038805	3.619026
CARD11	Caspase Recruitment Domain Family Member 11	Protein Coding	Q9BXL7	55	GC07M002906	3.617755
MIR500A	MicroRNA 500a	RNA Gene		21	GC0XP050008	3.616604
USP26	Ubiquitin Specific Peptidase 26	Protein Coding	Q9BXU7	45	GC0XM133024	3.61332
RLN2	Relaxin 2	Protein Coding	P04090	42	GC09M005692	3.612238
BSND	Barttin CLCNK Type Accessory Subunit Beta	Protein Coding	Q8WZ55	50	GC01P054998	3.609727
MIR873	MicroRNA 873	RNA Gene		23	GC09M028888	3.608675
RORC	RAR Related Orphan Receptor C	Protein Coding	P51449	52	GC01M151806	3.608385
CALML4	Calmodulin Like 4	Protein Coding	Q96GE6	45	GC15M068190	3.607797
CALML6	Calmodulin Like 6	Protein Coding	Q8TD86	42	GC01P020516	3.607797
TRIOBP	TRIO And F-Actin Binding Protein	Protein Coding	Q9H2D6	50	GC22P037697	3.60665
AEBP1	AE Binding Protein 1	Protein Coding	Q8IUX7	49	GC07P044323	3.604385
PTPA	Protein Phosphatase 2 Phosphatase Activator	Protein Coding	Q15257	52	GC09P141447	3.604257
MAFB	MAF BZIP Transcription Factor B	Protein	Q9Y5Q3	52	GC20M040685	3.602907

		Coding				
ISG15	ISG15 Ubiquitin Like Modifier	Protein Coding	P05161	55	GC01P001001	3.601893
DUSP1	Dual Specificity Phosphatase 1	Protein Coding	P28562	54	GC05M172768	3.598572
MT-TK	Mitochondrially Encoded TRNA-Lys (AAA/G)	RNA Gene		19	GCMTP008297	3.595375
SRD5A2	Steroid 5 Alpha-Reductase 2	Protein Coding	P31213	51	GC02M031522	3.591805
BARD1	BRCA1 Associated RING Domain 1	Protein Coding	Q99728	55	GC02M214725	3.59017
CLDN4	Claudin 4	Protein Coding	O14493	50	GC07P073799	3.58942
HNMT	Histamine N-Methyltransferase	Protein Coding	P50135	54	GC02P137964	3.589238
TNS1	Tensin 1	Protein Coding	Q9HBL0	48	GC02M217799	3.586887
PSMB9	Proteasome 20S Subunit Beta 9	Protein Coding	P28065	55	GC06P134855	3.586711
PPP1R12A	Protein Phosphatase 1 Regulatory Subunit 12A	Protein Coding	O14974	52	GC12M079773	3.585747
TREM2	Triggering Receptor Expressed On Myeloid Cells 2	Protein Coding	Q9NZC2	53	GC06M093978	3.585017
PPA2	Inorganic Pyrophosphatase 2	Protein Coding	Q9H2U2	47	GC04M105369	3.583962
HPSE	Heparanase	Protein Coding	Q9Y251	53	GC04M083292	3.582808
MIR675	MicroRNA 675	RNA Gene		25	GC11M011901	3.580284
FNIP1	Folliculin Interacting Protein 1	Protein Coding	Q8TF40	45	GC05M131641	3.57874
IFNA16	Interferon Alpha 16	Protein Coding	P05015	40	GC09M021216	3.574953
MSH5	MutS Homolog 5	Protein Coding	O43196	51	GC06P134833	3.574665
ATP6V0A2	ATPase H+ Transporting V0 Subunit A2	Protein	Q9Y487	51	GC12P123712	3.572464

		Coding				
FIG4	FIG4 Phosphoinositide 5-Phosphatase	Protein Coding	Q92562	53	GC06P135959	3.570598
TRPC4	Transient Receptor Potential Cation Channel Subfamily C Member 4	Protein Coding	Q9UBN4	51	GC13M040153	3.568447
ATAD3A	ATPase Family AAA Domain Containing 3A	Protein Coding	Q9NVI7	50	GC01P020493	3.568117
TCF3	Transcription Factor 3	Protein Coding	P15923	54	GC19M001609	3.567542
SPG7	SPG7 Matrix AAA Peptidase Subunit, Paraplegin	Protein Coding	Q9UQ90	52	GC16P095411	3.566739
UBC	Ubiquitin C	Protein Coding	P0CG48	53	GC12M124911	3.563946
TDRG1	Testis Development Related 1	RNA Gene	Q3Y452	28	GC06P135012	3.559992
HTRA1	HtrA Serine Peptidase 1	Protein Coding	Q92743	54	GC10P122461	3.555948
MIR222HG	MiR222/221 Cluster Host Gene	RNA Gene		15	GC0XM045745	3.551001
UGT1A7	UDP Glucuronosyltransferase Family 1 Member A7	Protein Coding	Q9HAW7	48	GC02P233681	3.550995
GDNF	Glial Cell Derived Neurotrophic Factor	Protein Coding	P39905	59	GC05M037812	3.548396
FANCD2	FA Complementation Group D2	Protein Coding	Q9BXW9	55	GC03P010026	3.548293
OGT	O-Linked N-Acetylglucosamine (GlcNAc) Transferase	Protein Coding	O15294	55	GC0XP071735	3.547736
PDLIM3	PDZ And LIM Domain 3	Protein Coding	Q53GG5	46	GC04M185500	3.540515
CHRFAM7A	CHRNA7 (Exons 5-10) And FAM7A (Exons A-E) Fusion	Protein Coding	Q494W8	41	GC15M030360	3.535802
CAPZA2	Capping Actin Protein Of Muscle Z-Line Subunit Alpha 2	Protein Coding	P47755	47	GC07P116811	3.53471
TRA	T Cell Receptor Alpha Locus	Protein Coding	P0DSE1	27	GC14P021621	3.533703
SRSF2	Serine And Arginine Rich Splicing Factor 2	Protein	Q01130	48	GC17M076734	3.533418

		Coding				
S100A3	S100 Calcium Binding Protein A3	Protein Coding	P33764	44	GC01M153547	3.531581
IL10RB	Interleukin 10 Receptor Subunit Beta	Protein Coding	Q08334	53	GC21P033266	3.531044
JARID2	Jumonji And AT-Rich Interaction Domain Containing 2	Protein Coding	Q92833	51	GC06P015246	3.529402
FABP1	Fatty Acid Binding Protein 1	Protein Coding	P07148	52	GC02M088122	3.52732
HSD17B13	Hydroxysteroid 17-Beta Dehydrogenase 13	Protein Coding	Q7Z5P4	47	GC04M087303	3.527132
SCX	Scleraxis BHLH Transcription Factor	Protein Coding	Q7RTU7	38	GC08P146979	3.526144
IL31	Interleukin 31	Protein Coding	Q6EBC2	46	GC12M123646	3.518601
SAMD9	Sterile Alpha Motif Domain Containing 9	Protein Coding	Q5K651	44	GC07M093099	3.518557
MIR542	MicroRNA 542	RNA Gene		25	GC0XM134767	3.51801
NCF4	Neutrophil Cytosolic Factor 4	Protein Coding	Q15080	55	GC22P036860	3.516203
DLL1	Delta Like Canonical Notch Ligand 1	Protein Coding	O00548	53	GC06M170282	3.515414
CISH	Cytokine Inducible SH2 Containing Protein	Protein Coding	Q9NSE2	53	GC03M053819	3.513476
TSPO	Translocator Protein	Protein Coding	B1AH88	53	GC22P043151	3.513008
ERN1	Endoplasmic Reticulum To Nucleus Signaling 1	Protein Coding	O75460	56	GC17M064039	3.512971
MIR33B	MicroRNA 33b	RNA Gene		25	GC17M017813	3.512659
ATR	ATR Serine/Threonine Kinase	Protein Coding	Q13535	62	GC03M142449	3.512555
POGLUT1	Protein O-Glucosyltransferase 1	Protein Coding	Q8NBL1	50	GC03P119468	3.512284
LGMN	Legumain	Protein	Q99538	51	GC14M092703	3.511111

		Coding				
DACH1	Dachshund Family Transcription Factor 1	Protein Coding	Q9UI36	46	GC13M071437	3.507455
LTB4R	Leukotriene B4 Receptor	Protein Coding	Q15722	52	GC14P024311	3.506536
DSG1	Desmoglein 1	Protein Coding	Q02413	51	GC18P031318	3.505479
DEFB103B	Defensin Beta 103B	Protein Coding	P81534	32	GC08M007430	3.505157
TSBP1-AS1	TSBP1 And BTNL2 Antisense RNA 1	RNA Gene		13	GC06P144496	3.503664
MSMB	Microseminoprotein Beta	Protein Coding	P08118	48	GC10M046033	3.503511
METTL3	Methyltransferase 3, N6-Adenosine-Methyltransferase Complex Catalytic Subunit	Protein Coding	Q86U44	50	GC14M021498	3.503438
FAH	Fumarylacetoacetate Hydrolase	Protein Coding	P16930	55	GC15P080152	3.502
PF4V1	Platelet Factor 4 Variant 1	Protein Coding	P10720	45	GC04P073853	3.501292
COL9A1	Collagen Type IX Alpha 1 Chain	Protein Coding	P20849	51	GC06M070215	3.500146
STAC3	SH3 And Cysteine Rich Domain 3	Protein Coding	Q96MF2	44	GC12M057243	3.496154
CFP	Complement Factor Properdin	Protein Coding	P27918	52	GC0XM047623	3.494923
STX5	Syntaxin 5	Protein Coding	Q13190	49	GC11M062806	3.48593
MIR100HG	Mir-100-Let-7a-2-Mir-125b-1 Cluster Host Gene	RNA Gene		25	GC11M126622	3.484287
YWHAB	Tyrosine 3-Monooxygenase/Tryptophan 5-Monooxygenase Activation Protein Beta	Protein Coding	P31946	55	GC20P044885	3.479935
TNXB	Tenascin XB	Protein Coding	P22105	52	GC06M093808	3.476722
TBK1	TANK Binding Kinase 1	Protein Coding	Q9UHD2	58	GC12P064451	3.476471
LORICRIN	Loricrin Cornified Envelope Precursor Protein	Protein	P23490	43	GC01P164430	3.475576

		Coding				
EXO1	Exonuclease 1	Protein Coding	Q9UQ84	52	GC01P241847	3.472778
TNFSF14	TNF Superfamily Member 14	Protein Coding	O43557	48	GC19M091907	3.472283
AIMP1	Aminoacyl TRNA Synthetase Complex Interacting Multifunctional Protein 1	Protein Coding	Q12904	53	GC04P106315	3.470578
LHCGR	Luteinizing Hormone/Choriogonadotropin Receptor	Protein Coding	P22888	55	GC02M048686	3.469658
FAM20C	FAM20C Golgi Associated Secretory Pathway Kinase	Protein Coding	Q8IXL6	53	GC07P000192	3.469464
TRH	Thyrotropin Releasing Hormone	Protein Coding	P20396	50	GC03P129974	3.468623
RPL11	Ribosomal Protein L11	Protein Coding	P62913	56	GC01P023691	3.466582
MEST	Mesoderm Specific Transcript	Protein Coding	Q5EB52	47	GC07P130486	3.465322
MIR193B	MicroRNA 193b	RNA Gene		28	GC16P080722	3.463097
ATG16L1	Autophagy Related 16 Like 1	Protein Coding	Q676U5	51	GC02P233280	3.461411
HSPB8	Heat Shock Protein Family B (Small) Member 8	Protein Coding	Q9UJY1	54	GC12P119173	3.459649
AMBP	Alpha-1-Microglobulin/Bikunin Precursor	Protein Coding	P02760	52	GC09M114060	3.456419
MYH8	Myosin Heavy Chain 8	Protein Coding	P13535	46	GC17M010390	3.452258
TBXA2R	Thromboxane A2 Receptor	Protein Coding	P21731	59	GC19M003594	3.450423
CTTN	Cortactin	Protein Coding	Q14247	52	GC11P070398	3.447571
VTRNA1-1	Vault RNA 1-1	RNA Gene		17	GC05P153507	3.44336
BLVRB	Biliverdin Reductase B	Protein Coding	P30043	50	GC19M040447	3.438751
GPER1	G Protein-Coupled Estrogen Receptor 1	Protein	Q99527	49	GC07P011353	3.437262

		Coding				
MARCO	Macrophage Receptor With Collagenous Structure	Protein Coding	Q9UEW3	44	GC02P118942	3.435858
COL11A1	Collagen Type XI Alpha 1 Chain	Protein Coding	P12107	52	GC01M102876	3.435407
U2AF1	U2 Small Nuclear RNA Auxiliary Factor 1	Protein Coding	Q01081	52	GC21M043092	3.432773
MPP1	MAGUK P55 Scaffold Protein 1	Protein Coding	Q00013	48	GC0XM154779	3.432678
MIR4326	MicroRNA 4326	RNA Gene		12	GC20P063286	3.431685
MIR376B	MicroRNA 376b	RNA Gene		20	GC14P116754	3.431023
PSTPIP1	Proline-Serine-Threonine Phosphatase Interacting Protein 1	Protein Coding	O43586	53	GC15P076993	3.426457
IVL	Involucrin	Protein Coding	P07476	47	GC01P164418	3.424583
ACTN3	Actinin Alpha 3	Protein Coding	Q08043	48	GC11P066546	3.41899
MAP3K5	Mitogen-Activated Protein Kinase Kinase Kinase 5	Protein Coding	Q99683	57	GC06M136557	3.418835
GGCX	Gamma-Glutamyl Carboxylase	Protein Coding	P38435	56	GC02M085544	3.418722
CDH23	Cadherin Related 23	Protein Coding	Q9H251	54	GC10P071396	3.415961
FOXE1	Forkhead Box E1	Protein Coding	O00358	49	GC09P097853	3.412929
FANCC	FA Complementation Group C	Protein Coding	Q00597	56	GC09M095099	3.410094
RPS14	Ribosomal Protein S14	Protein Coding	P62263	50	GC05M150443	3.408413
ADGRE5	Adhesion G Protein-Coupled Receptor E5	Protein Coding	P48960	52	GC19P112518	3.408314
DDX41	DEAD-Box Helicase 41	Protein Coding	Q9UJV9	52	GC05M177511	3.407252
SAE1	SUMO1 Activating Enzyme Subunit 1	Protein	Q9UBE0	51	GC19P113322	3.407177

		Coding				
PTPN14	Protein Tyrosine Phosphatase Non-Receptor Type 14	Protein Coding	Q15678	51	GC01M214348	3.405796
ZRSR2	Zinc Finger CCCH-Type, RNA Binding Motif And Serine/Arginine Rich 2	Protein Coding	Q15696	43	GC0XP015790	3.403712
SGO1	Shugoshin 1	Protein Coding	Q5FBB7	50	GC03M026319	3.401923
TRPS1	Transcriptional Repressor GATA Binding 1	Protein Coding	Q9UHF7	53	GC08M115408	3.398656
MTHFD1	Methylenetetrahydrofolate Dehydrogenase, Cyclohydrolase And Formyltetrahydrofolate Synthetase 1	Protein Coding	P11586	55	GC14P064388	3.396342
KCNH1	Potassium Voltage-Gated Channel Subfamily H Member 1	Protein Coding	O95259	54	GC01M210678	3.392666
TRIB3	Tribbles Pseudokinase 3	Protein Coding	Q96RU7	50	GC20P000365	3.388075
APOC3	Apolipoprotein C3	Protein Coding	P02656	54	GC11P116829	3.38645
MIR487B	MicroRNA 487b	RNA Gene		25	GC14P116768	3.382883
LEF1	Lymphoid Enhancer Binding Factor 1	Protein Coding	Q9UJU2	56	GC04M108047	3.381167
VPS13C	Vacuolar Protein Sorting 13 Homolog C	Protein Coding	Q709C8	43	GC15M061852	3.381052
MSH4	MutS Homolog 4	Protein Coding	O15457	48	GC01P075796	3.380081
SI	Sucrase-Isomaltase	Protein Coding	P14410	54	GC03M164978	3.378869
HRH2	Histamine Receptor H2	Protein Coding	P25021	52	GC05P175659	3.375141
CHD8	Chromodomain Helicase DNA Binding Protein 8	Protein Coding	Q9HCK8	52	GC14M021385	3.373884
TNFSF13	TNF Superfamily Member 13	Protein Coding	O75888	53	GC17P007558	3.373735
C1S	Complement C1s	Protein	P09871	55	GC12P038999	3.372443

		Coding				
ATP2B4	ATPase Plasma Membrane Ca2+ Transporting 4	Protein Coding	P23634	52	GC01P203626	3.368762
HOPX	HOP Homeobox	Protein Coding	Q9BPY8	42	GC04M056647	3.367926
MIR124-2	MicroRNA 124-2	RNA Gene		23	GC08P064379	3.364314
TRDN	Triadin	Protein Coding	Q13061	49	GC06M123198	3.364276
MYL1	Myosin Light Chain 1	Protein Coding	P05976	51	GC02M210290	3.36397
MIR4516	MicroRNA 4516	RNA Gene		19	GC16P080438	3.362996
CHST11	Carbohydrate Sulfotransferase 11	Protein Coding	Q9NPF2	51	GC12P104455	3.362431
EFEMP1	EGF Containing Fibulin Extracellular Matrix Protein 1	Protein Coding	Q12805	52	GC02M055865	3.362101
MIR181A2	MicroRNA 181a-2	RNA Gene		27	GC09P124692	3.359717
ARHGEF3	Rho Guanine Nucleotide Exchange Factor 3	Protein Coding	Q9NR81	46	GC03M056736	3.359007
PLXNA3	Plexin A3	Protein Coding	P51805	46	GC0XP154458	3.357276
MIR1291	MicroRNA 1291	RNA Gene		12	GC12M048654	3.353064
MIR181D	MicroRNA 181d	RNA Gene		26	GC19P013874	3.352662
DIAPH1	Diaphanous Related Formin 1	Protein Coding	O60610	55	GC05M141516	3.351733
MEF2A	Myocyte Enhancer Factor 2A	Protein Coding	Q02078	54	GC15P099565	3.349468
CYB5R3	Cytochrome B5 Reductase 3	Protein Coding	P00387	54	GC22M077135	3.347553
SPTBN1	Spectrin Beta, Non-Erythrocytic 1	Protein Coding	Q01082	54	GC02P054456	3.347404
AQP4	Aquaporin 4	Protein Coding	P55087	54	GC18M026852	3.346037
HNRNPA1	Heterogeneous Nuclear Ribonucleoprotein A1	Protein	P09651	56	GC12P054280	3.344726

		Coding				
CHEK1	Checkpoint Kinase 1	Protein Coding	O14757	60	GC11P125625	3.341167
SIGLEC1	Sialic Acid Binding Ig Like Lectin 1	Protein Coding	Q9BZZ2	49	GC20M003686	3.339562
CANT1	Calcium Activated Nucleotidase 1	Protein Coding	Q8WVQ1	52	GC17M079682	3.333474
TGM1	Transglutaminase 1	Protein Coding	P22735	54	GC14M024249	3.332912
PBX1	PBX Homeobox 1	Protein Coding	P40424	57	GC01P165730	3.3327
YWHAQ	Tyrosine 3-Monooxygenase/Tryptophan 5-Monooxygenase Activation Protein Theta	Protein Coding	P27348	55	GC02M009583	3.332581
POLG2	DNA Polymerase Gamma 2, Accessory Subunit	Protein Coding	Q9UHN1	50	GC17M064477	3.331305
C4B	Complement C4B (Chido/Rodgers Blood Group)	Protein Coding	P0C0L5	51	GC06P032014	3.33119
CTTNBP2	Cortactin Binding Protein 2	Protein Coding	Q8WZ74	44	GC07M117710	3.328692
SERPIND1	Serpin Family D Member 1	Protein Coding	P05546	55	GC22P069984	3.327824
PTK2B	Protein Tyrosine Kinase 2 Beta	Protein Coding	Q14289	58	GC08P027311	3.32515
SORL1	Sortilin Related Receptor 1	Protein Coding	Q92673	54	GC11P121452	3.324953
AIFM1	Apoptosis Inducing Factor Mitochondria Associated 1	Protein Coding	O95831	59	GC0XM130129	3.323393
LRRC34	Leucine Rich Repeat Containing 34	Protein Coding	Q8IZ02	36	GC03M169793	3.323132
RFX2	Regulatory Factor X2	Protein Coding	P48378	48	GC19M005993	3.322474
SH3BP2	SH3 Domain Binding Protein 2	Protein Coding	P78314	48	GC04P004068	3.321378
VPS16	VPS16 Core Subunit Of CORVET And HOPS	Protein	Q9H269	45	GC20P002840	3.319112

	Complexes	Coding				
INF2	Inverted Formin 2	Protein Coding	Q27J81	50	GC14P115824	3.315274
SGCG	Sarcoglycan Gamma	Protein Coding	Q13326	52	GC13P023160	3.314468
SLC35C1	Solute Carrier Family 35 Member C1	Protein Coding	Q96A29	48	GC11P047709	3.311144
ELK1	ETS Transcription Factor ELK1	Protein Coding	P19419	53	GC0XM047635	3.307643
ICAM2	Intercellular Adhesion Molecule 2	Protein Coding	P13598	52	GC17M064002	3.306482
MIR524	MicroRNA 524	RNA Gene		18	GC19P053711	3.30604
ATG7	Autophagy Related 7	Protein Coding	O95352	52	GC03P021552	3.305058
IFNA4	Interferon Alpha 4	Protein Coding	P05014	43	GC09M021186	3.30499
CCN3	Cellular Communication Network Factor 3	Protein Coding	P48745	46	GC08P119416	3.301923
DDX3X	DEAD-Box Helicase 3 X-Linked	Protein Coding	O00571	56	GC0XP041333	3.298428
AKAP6	A-Kinase Anchoring Protein 6	Protein Coding	Q13023	47	GC14P032329	3.297991
LMNB2	Lamin B2	Protein Coding	Q03252	51	GC19M091759	3.297763
ITGA6	Integrin Subunit Alpha 6	Protein Coding	P23229	58	GC02P172427	3.296928
SERPINB4	Serpin Family B Member 4	Protein Coding	P48594	44	GC18M063637	3.296648
MIR7-3	MicroRNA 7-3	RNA Gene		23	GC19P004770	3.294827
MYBL1	MYB Proto-Oncogene Like 1	Protein Coding	P10243	47	GC08M066562	3.293404
IGF2-AS	IGF2 Antisense RNA	RNA Gene	Q6U949	34	GC11P002140	3.286304
TRIM8	Tripartite Motif Containing 8	Protein Coding	Q9BZR9	47	GC10P109851	3.286221

KCNA2	Potassium Voltage-Gated Channel Subfamily A Member 2	Protein Coding	P16389	55	GC01M110519	3.284371
AXIN2	Axin 2	Protein Coding	Q9Y2T1	58	GC17M065528	3.283869
CLIC4	Chloride Intracellular Channel 4	Protein Coding	Q9Y696	43	GC01P024745	3.28196
MMP24	Matrix Metallopeptidase 24	Protein Coding	Q9Y5R2	48	GC20P035226	3.279696
ZBTB24	Zinc Finger And BTB Domain Containing 24	Protein Coding	O43167	45	GC06M109476	3.279575
GOLPH3	Golgi Phosphoprotein 3	Protein Coding	Q9H4A6	47	GC05M032124	3.277945
SLX1A-SULT1A3	SLX1A-SULT1A3 Readthrough (NMD Candidate)	RNA Gene		18	GC16P081596	3.275249
SLC1A5	Solute Carrier Family 1 Member 5	Protein Coding	Q15758	53	GC19M092991	3.27216
SULF2	Sulfatase 2	Protein Coding	Q8IWU5	46	GC20M047656	3.271389
SNHG16	Small Nucleolar RNA Host Gene 16	RNA Gene		26	GC17P113183	3.271069
CCN5	Cellular Communication Network Factor 5	Protein Coding	O76076	44	GC20P044733	3.268937
PLCZ1	Phospholipase C Zeta 1	Protein Coding	Q86YW0	48	GC12M029611	3.267154
POC5	POC5 Centriolar Protein	Protein Coding	Q8NA72	44	GC05M075674	3.263114
MUC7	Mucin 7, Secreted	Protein Coding	Q8TAX7	44	GC04P070430	3.262994
ADPRH	ADP-Ribosylarginine Hydrolase	Protein Coding	P54922	45	GC03P119579	3.262685
CFAP298	Cilia And Flagella Associated Protein 298	Protein Coding	P57076	46	GC21M032593	3.261987
DNAJB13	DnaJ Heat Shock Protein Family (Hsp40) Member B13	Protein Coding	P59910	45	GC11P089539	3.261987
IL31RA	Interleukin 31 Receptor A	Protein Coding	Q8NI17	51	GC05P055840	3.259723

NOD1	Nucleotide Binding Oligomerization Domain Containing 1	Protein Coding	Q9Y239	51	GC07M030424	3.259152
PCAT2	Prostate Cancer Associated Transcript 2	RNA Gene		23	GC08M127072	3.255108
MIRLET7F2	MicroRNA Let-7f-2	RNA Gene		24	GC0XM053778	3.253885
NUP160	Nucleoporin 160	Protein Coding	Q12769	49	GC11M125018	3.252549
CBR1	Carbonyl Reductase 1	Protein Coding	P16152	52	GC21P036069	3.249583
IFI27	Interferon Alpha Inducible Protein 27	Protein Coding	P40305	47	GC14P094104	3.247723
HLA-E	Major Histocompatibility Complex, Class I, E	Protein Coding	P13747	50	GC06P134793	3.244691
CD70	CD70 Molecule	Protein Coding	P32970	51	GC19M091904	3.242022
MAGT1	Magnesium Transporter 1	Protein Coding	Q9H0U3	49	GC0XM078222	3.241899
NR4A3	Nuclear Receptor Subfamily 4 Group A Member 3	Protein Coding	Q92570	49	GC09P099821	3.241652
COL8A1	Collagen Type VIII Alpha 1 Chain	Protein Coding	P27658	47	GC03P099638	3.240858
TNKS	Tankyrase	Protein Coding	O95271	53	GC08P009555	3.240832
HYMAI	Hydatidiform Mole Associated And Imprinted	RNA Gene		28	GC06M144002	3.239906
INTS12	Integrator Complex Subunit 12	Protein Coding	Q96CB8	40	GC04M105682	3.239003
MIR205HG	MIR205 Host Gene	RNA Gene		19	GC01P210158	3.238445
GHRH	Growth Hormone Releasing Hormone	Protein Coding	P01286	47	GC20M037251	3.238113
TBL1X	Transducin Beta Like 1 X-Linked	Protein Coding	O60907	48	GC0XP009463	3.236731
NR1I3	Nuclear Receptor Subfamily 1 Group I Member 3	Protein Coding	Q14994	53	GC01M161229	3.235951
DEFA3	Defensin Alpha 3	Protein Coding	P59666	41	GC08M007015	3.233923

CIITA	Class II Major Histocompatibility Complex Transactivator	Protein Coding	P33076	53	GC16P080655	3.233195
ATXN8OS	ATXN8 Opposite Strand LncRNA	RNA Gene	P0DMR3	33	GC13P070107	3.233093
PYGM	Glycogen Phosphorylase, Muscle Associated	Protein Coding	P11217	55	GC11M064746	3.232606
MIR1-2	MicroRNA 1-2	RNA Gene		20	GC18M034040	3.231538
JAG2	Jagged Canonical Notch Ligand 2	Protein Coding	Q9Y219	53	GC14M105140	3.228433
FBXW7	F-Box And WD Repeat Domain Containing 7	Protein Coding	Q969H0	54	GC04M152321	3.220919
CHKA	Choline Kinase Alpha	Protein Coding	P35790	52	GC11M068052	3.220851
DVL3	Dishevelled Segment Polarity Protein 3	Protein Coding	Q92997	54	GC03P184155	3.22076
NEU3	Neuraminidase 3	Protein Coding	Q9UQ49	46	GC11P089604	3.218173
MAPKAP1	MAPK Associated Protein 1	Protein Coding	Q9BPZ7	50	GC09M125437	3.210071
MGAT4D	MGAT4 Family Member D	Protein Coding	A6NG13	26	GC04M140442	3.210025
NOTCH2NLC	Notch 2 N-Terminal Like C	Protein Coding	P0DPK4	22	GC01P149390	3.205042
WNT7A	Wnt Family Member 7A	Protein Coding	O00755	55	GC03M026202	3.203988
MAML3	Mastermind Like Transcriptional Coactivator 3	Protein Coding	Q96JK9	47	GC04M139716	3.203506
WDR90	WD Repeat Domain 90	Protein Coding	Q96KV7	38	GC16P080168	3.202001
GAD1	Glutamate Decarboxylase 1	Protein Coding	Q99259	59	GC02P170813	3.201063
FXN	Frataxin	Protein Coding	Q16595	55	GC09P069035	3.200743
IL18RAP	Interleukin 18 Receptor Accessory Protein	Protein Coding	O95256	46	GC02P102418	3.200039

H6PD	Hexose-6-Phosphate Dehydrogenase/Glucose 1-Dehydrogenase	Protein Coding	O95479	53	GC01P009234	3.199627
MIR506	MicroRNA 506	RNA Gene		20	GC0XM147230	3.193629
E2F2	E2F Transcription Factor 2	Protein Coding	Q14209	49	GC01M030782	3.1926
BCL11A	BCL11 Transcription Factor A	Protein Coding	Q9H165	52	GC02M060451	3.188075
SERPING1	Serpin Family G Member 1	Protein Coding	P05155	55	GC11P057597	3.187686
KAT5	Lysine Acetyltransferase 5	Protein Coding	Q92993	58	GC11P065711	3.186886
GRHL1	Grainyhead Like Transcription Factor 1	Protein Coding	Q9NZI5	45	GC02P009951	3.184307
C3AR1	Complement C3a Receptor 1	Protein Coding	Q16581	52	GC12M029373	3.181732
PTPRJ	Protein Tyrosine Phosphatase Receptor Type J	Protein Coding	Q12913	56	GC11P048014	3.178543
GSTCD	Glutathione S-Transferase C-Terminal Domain Containing	Protein Coding	Q8NEC7	39	GC04P105708	3.177832
CD58	CD58 Molecule	Protein Coding	P19256	50	GC01M116514	3.176749
IL3RA	Interleukin 3 Receptor Subunit Alpha	Protein Coding	P26951	52	GC0XP001336	3.174083
EMX2	Empty Spiracles Homeobox 2	Protein Coding	Q04743	53	GC10P117542	3.174
XPC	XPC Complex Subunit, DNA Damage Recognition And Repair Factor	Protein Coding	Q01831	54	GC03M026205	3.171657
MFN1	Mitofusin 1	Protein Coding	Q8IWA4	51	GC03P179347	3.170212
NIPA1	NIPA Magnesium Transporter 1	Protein Coding	Q7RTP0	48	GC15P022773	3.169782
MLPH	Melanophilin	Protein Coding	Q9BV36	49	GC02P237485	3.168408
MIA2	MIA SH3 Domain ER Export Factor 2	Protein	Q96PC5	47	GC14P039230	3.16823

		Coding				
OBSCN	Obscurin, Cytoskeletal Calmodulin And Titin-Interacting RhoGEF	Protein Coding	Q5VST9	47	GC01P228208	3.165709
PHC3	Polyhomeotic Homolog 3	Protein Coding	Q8NDX5	46	GC03M170086	3.162336
C1QTNF6	C1q And TNF Related 6	Protein Coding	Q9BXI9	40	GC22M037180	3.162021
QKI	QKI, KH Domain Containing RNA Binding	Protein Coding	Q96PU8	50	GC06P163414	3.161932
MIR452	MicroRNA 452	RNA Gene		23	GC0XM151959	3.158838
NTN1	Netrin 1	Protein Coding	O95631	54	GC17P111260	3.157007
DAZAP1	DAZ Associated Protein 1	Protein Coding	Q96EP5	46	GC19P001407	3.156574
NPPA-AS1	NPPA Antisense RNA 1	RNA Gene		22	GC01P039951	3.156056
LOC114827827	VISTA Enhancer Hs2123	Functional Element		7	GC01P039953	3.156056
MIR138-1	MicroRNA 138-1	RNA Gene		25	GC03P044115	3.155809
IFNA5	Interferon Alpha 5	Protein Coding	P01569	47	GC09M021304	3.151583
IFNA6	Interferon Alpha 6	Protein Coding	P05013	45	GC09M022130	3.151583
IFNA21	Interferon Alpha 21	Protein Coding	P01568	44	GC09M021165	3.151583
IFNA8	Interferon Alpha 8	Protein Coding	P32881	44	GC09P021409	3.151583
IFNA13	Interferon Alpha 13	Protein Coding	P01562	41	GC09M021367	3.151583
IFNA7	Interferon Alpha 7	Protein Coding	P01567	41	GC09M022126	3.151583
MIR520F	MicroRNA 520f	RNA Gene		14	GC19P053682	3.151199
CCN6	Cellular Communication Network Factor 6	Protein Coding	O95389	50	GC06P136074	3.150323
LCLAT1	Lysocardiolipin Acyltransferase 1	Protein	Q6UWP7	44	GC02P030447	3.149507

		Coding				
FOXRED1	FAD Dependent Oxidoreductase Domain Containing 1	Protein Coding	Q96CU9	48	GC11P126269	3.148072
SLC5A2	Solute Carrier Family 5 Member 2	Protein Coding	P31639	56	GC16P081737	3.147723
TENT5A	Terminal Nucleotidyltransferase 5A	Protein Coding	Q96IP4	44	GC06M094440	3.147497
KCNQ4	Potassium Voltage-Gated Channel Subfamily Q Member 4	Protein Coding	P56696	51	GC01P046206	3.146453
SHROOM3	Shroom Family Member 3	Protein Coding	Q8TF72	45	GC04P076435	3.145381
STC1	Stanniocalcin 1	Protein Coding	P52823	50	GC08M023841	3.145287
NGFR	Nerve Growth Factor Receptor	Protein Coding	P08138	56	GC17P049495	3.145086
TSHR	Thyroid Stimulating Hormone Receptor	Protein Coding	P16473	56	GC14P080954	3.142679
SLC39A8	Solute Carrier Family 39 Member 8	Protein Coding	Q9C0K1	52	GC04M102252	3.142558
TMOD1	Tropomodulin 1	Protein Coding	P28289	47	GC09P097501	3.14136
HIF3A	Hypoxia Inducible Factor 3 Subunit Alpha	Protein Coding	Q9Y2N7	47	GC19P046297	3.141285
MVK	Mevalonate Kinase	Protein Coding	Q03426	55	GC12P109573	3.141273
ITIH4	Inter-Alpha-Trypsin Inhibitor Heavy Chain 4	Protein Coding	Q14624	51	GC03M052812	3.141082
PYCR1	Pyrroline-5-Carboxylate Reductase 1	Protein Coding	P32322	53	GC17M081932	3.138
SERPINI1	Serpin Family I Member 1	Protein Coding	Q99574	55	GC03P167735	3.137784
RBP3	Retinol Binding Protein 3	Protein Coding	P10745	52	GC10P047348	3.136451
OFCC1	Orofacial Cleft 1 Candidate 1 (Pseudogene)	RNA Gene	Q8IZS5	36	GC06M009596	3.135127

PYY	Peptide YY	Protein Coding	P10082	50	GC17M043952	3.133868
SYCP3	Synaptonemal Complex Protein 3	Protein Coding	Q8IZU3	51	GC12M101728	3.1334
POMT2	Protein O-Mannosyltransferase 2	Protein Coding	Q9UKY4	52	GC14M077274	3.132979
MIR1262	MicroRNA 1262	RNA Gene		22	GC01M068183	3.132567
PRDX2	Peroxiredoxin 2	Protein Coding	P32119	54	GC19M012796	3.132182
NCOA3	Nuclear Receptor Coactivator 3	Protein Coding	Q9Y6Q9	56	GC20P047501	3.132162
SOX6	SRY-Box Transcription Factor 6	Protein Coding	P35712	52	GC11M015949	3.131457
MNX1	Motor Neuron And Pancreas Homeobox 1	Protein Coding	P50219	50	GC07M156994	3.129761
ANLN	Anillin, Actin Binding Protein	Protein Coding	Q9NQW6	50	GC07P036389	3.128824
FGF19	Fibroblast Growth Factor 19	Protein Coding	O95750	52	GC11M125583	3.128498
NLRP1	NLR Family Pyrin Domain Containing 1	Protein Coding	Q9C000	52	GC17M005499	3.12646
MPP7	MAGUK P55 Scaffold Protein 7	Protein Coding	Q5T2T1	42	GC10M028315	3.125168
SYVN1	Synoviolin 1	Protein Coding	Q86TM6	50	GC11M125363	3.124787
SNAPIN	SNAP Associated Protein	Protein Coding	O95295	46	GC01P164446	3.123846
DDX11	DEAD/H-Box Helicase 11	Protein Coding	Q96FC9	51	GC12P031073	3.120337
TMOD2	Tropomodulin 2	Protein Coding	Q9NZR1	47	GC15P051751	3.118968
TAF1	TATA-Box Binding Protein Associated Factor 1	Protein Coding	P21675	55	GC0XP071366	3.115327
MAOB	Monoamine Oxidase B	Protein	P27338	53	GC0XM043766	3.11524

		Coding				
HNRNPA2B1	Heterogeneous Nuclear Ribonucleoprotein A2/B1	Protein Coding	P22626	54	GC07M026174	3.114801
CXCL17	C-X-C Motif Chemokine Ligand 17	Protein Coding	Q6UXB2	39	GC19M042428	3.114589
HOXA1	Homeobox A1	Protein Coding	P49639	50	GC07M027092	3.110799
SNTA1	Syntrophin Alpha 1	Protein Coding	Q13424	54	GC20M033407	3.110257
ADCY8	Adenylate Cyclase 8	Protein Coding	P40145	49	GC08M130780	3.108341
YBX1	Y-Box Binding Protein 1	Protein Coding	P67809	49	GC01P042682	3.108077
MGAM	Maltase-Glucoamylase	Protein Coding	O43451	52	GC07P159421	3.103224
HMOX2	Heme Oxygenase 2	Protein Coding	P30519	54	GC16P004474	3.102753
INSM1	INSM Transcriptional Repressor 1	Protein Coding	Q01101	45	GC20P020368	3.100497
CALM2	Calmodulin 2	Protein Coding	P0DP24	53	GC02M047160	3.099982
APOA2	Apolipoprotein A2	Protein Coding	P02652	53	GC01M161222	3.099632
IFNA14	Interferon Alpha 14	Protein Coding	P01570	44	GC09M021239	3.097081
CASC15	Cancer Susceptibility 15	RNA Gene		24	GC06P021684	3.094204
MIR92A2	MicroRNA 92a-2	RNA Gene		22	GC0XM134449	3.091246
LAMP3	Lysosomal Associated Membrane Protein 3	Protein Coding	Q9UQV4	48	GC03M183122	3.091028
FANCG	FA Complementation Group G	Protein Coding	O15287	52	GC09M035073	3.089196
ALDOA	Aldolase, Fructose-Bisphosphate A	Protein Coding	P04075	58	GC16P030064	3.08581
RNASEH2A	Ribonuclease H2 Subunit A	Protein	O75792	52	GC19P112449	3.085401

		Coding				
AFF3	ALF Transcription Elongation Factor 3	Protein Coding	P51826	46	GC02M099545	3.084983
GLS	Glutaminase	Protein Coding	O94925	58	GC02P190880	3.083433
SRP72	Signal Recognition Particle 72	Protein Coding	O76094	49	GC04P056466	3.083399
POLR3H	RNA Polymerase III Subunit H	Protein Coding	Q9Y535	45	GC22M041525	3.080752
BNC1	Basonuclin Zinc Finger Protein 1	Protein Coding	Q01954	44	GC15M083255	3.080752
LOC129935184	ATAC-STARR-Seq Lymphoblastoid Active Region 16809	Functional Element		8	GC02P178532	3.08028
FKBP1A	FKBP Prolyl Isomerase 1A	Protein Coding	P62942	56	GC20M001369	3.074913
BNIP3	BCL2 Interacting Protein 3	Protein Coding	Q12983	49	GC10M131966	3.0748
USP9X	Ubiquitin Specific Peptidase 9 X-Linked	Protein Coding	Q93008	57	GC0XP041085	3.074494
ATP2A3	ATPase Sarcoplasmic/Endoplasmic Reticulum Ca2+ Transporting 3	Protein Coding	Q93084	52	GC17M003923	3.074154
HLA-DRB5	Major Histocompatibility Complex, Class II, DR Beta 5	Protein Coding	Q30154	48	GC06M093829	3.071001
AP3S1	Adaptor Related Protein Complex 3 Subunit Sigma 1	Protein Coding	Q92572	47	GC05P115841	3.070438
ARL6	ADP Ribosylation Factor Like GTPase 6	Protein Coding	Q9H0F7	49	GC03P097764	3.070352
KARS1	Lysyl-TRNA Synthetase 1	Protein Coding	Q15046	54	GC16M076000	3.068502
PSME1	Proteasome Activator Subunit 1	Protein Coding	Q06323	46	GC14P024136	3.068482
TSPAN12	Tetraspanin 12	Protein Coding	O95859	49	GC07M120787	3.067725
KCNMB1	Potassium Calcium-Activated Channel Subfamily	Protein	Q16558	50	GC05M170374	3.063542

	M Regulatory Beta Subunit 1	Coding				
FIS1	Fission, Mitochondrial 1	Protein Coding	Q9Y3D6	48	GC07M101239	3.061032
TGM4	Transglutaminase 4	Protein Coding	P49221	48	GC03P044874	3.060368
CARMN	Cardiac Mesoderm Enhancer-Associated Non-Coding RNA	RNA Gene		24	GC05P149397	3.059769
LOC102723407	Immunoglobulin Heavy Variable 4-38-2-Like	Protein Coding		14	GC14P8B0041	3.058209
XYLT2	Xylosyltransferase 2	Protein Coding	Q9H1B5	54	GC17P112624	3.055657
SKP2	S-Phase Kinase Associated Protein 2	Protein Coding	Q13309	54	GC05P036151	3.053502
PLLP	Plasmolipin	Protein Coding	Q9Y342	44	GC16M057371	3.04798
FRG1	FSHD Region Gene 1	Protein Coding	Q14331	50	GC04P189940	3.045154
RAMP3	Receptor Activity Modifying Protein 3	Protein Coding	O60896	49	GC07P045191	3.044137
FCGR1A	Fc Gamma Receptor Ia	Protein Coding	P12314	50	GC01P164197	3.040301
HAVCR1	Hepatitis A Virus Cellular Receptor 1	Protein Coding	Q96D42	51	GC05M157028	3.035666
POLR1D	RNA Polymerase I And III Subunit D	Protein Coding	P0DPB6	50	GC13P027620	3.032979
HYAL2	Hyaluronidase 2	Protein Coding	Q12891	50	GC03M050317	3.030134
FANCI	FA Complementation Group I	Protein Coding	Q9NVI1	52	GC15P089243	3.026776
TRIM2	Tripartite Motif Containing 2	Protein Coding	Q9C040	49	GC04P153152	3.026653
IL36G	Interleukin 36 Gamma	Protein Coding	Q9NZH8	47	GC02P112973	3.025434
STAR	Steroidogenic Acute Regulatory Protein	Protein Coding	P49675	53	GC08M038250	3.023045

DDC	Dopa Decarboxylase	Protein Coding	P20711	59	GC07M050458	3.022711
MBTPS1	Membrane Bound Transcription Factor Peptidase, Site 1	Protein Coding	Q14703	52	GC16M084053	3.022532
PTGER1	Prostaglandin E Receptor 1	Protein Coding	P34995	48	GC19M092230	3.021386
DSC3	Desmocollin 3	Protein Coding	Q14574	50	GC18M034122	3.01859
CFHR1	Complement Factor H Related 1	Protein Coding	Q03591	51	GC01P196822	3.016831
MIR92B	MicroRNA 92b	RNA Gene		24	GC01P155195	3.016543
LOC102724058	Uncharacterized LOC102724058	RNA Gene		14	GC02P165960	3.016408
SH3PXD2A	SH3 And PX Domains 2A	Protein Coding	Q5TCZ1	46	GC10M103594	3.015648
SEPTIN7	Septin 7	Protein Coding	Q16181	44	GC07P036726	3.015071
CDH3	Cadherin 3	Protein Coding	P22223	55	GC16P082924	3.013593
ADGRG1	Adhesion G Protein-Coupled Receptor G1	Protein Coding	Q9Y653	51	GC16P057610	3.012894
BMI1	BMI1 Proto-Oncogene, Polycomb Ring Finger	Protein Coding	P35226	52	GC10P022337	3.012826
CLEC4M	C-Type Lectin Domain Family 4 Member M	Protein Coding	Q9H2X3	49	GC19P007763	3.012218
GPR162	G Protein-Coupled Receptor 162	Protein Coding	Q16538	42	GC12P006821	3.012058
IL1R2	Interleukin 1 Receptor Type 2	Protein Coding	P27930	53	GC02P101991	3.01089
CCL13	C-C Motif Chemokine Ligand 13	Protein Coding	Q99616	45	GC17P034356	3.00962
PMEL	Premelanosome Protein	Protein Coding	P40967	51	GC12M055954	3.006938
IL2RG	Interleukin 2 Receptor Subunit Gamma	Protein Coding	P31785	56	GC0XM071108	3.003243

FPR2	Formyl Peptide Receptor 2	Protein Coding	P25090	54	GC19P051752	3.003152
TSPAN1	Tetraspanin 1	Protein Coding	O60635	47	GC01P046175	2.999484
EMP2	Epithelial Membrane Protein 2	Protein Coding	P54851	52	GC16M020691	2.995126
GABPA	GA Binding Protein Transcription Factor Subunit Alpha	Protein Coding	Q06546	44	GC21P025734	2.993981
PDGFC	Platelet Derived Growth Factor C	Protein Coding	Q9NRA1	50	GC04M156760	2.993032
RBCK1	RANBP2-Type And C3HC4-Type Zinc Finger Containing 1	Protein Coding	Q9BYM8	50	GC20P000407	2.992543
CA7	Carbonic Anhydrase 7	Protein Coding	P43166	45	GC16P066844	2.992219
ARHGEF9	Cdc42 Guanine Nucleotide Exchange Factor 9	Protein Coding	O43307	50	GC0XM063634	2.990295
TTBK2	Tau Tubulin Kinase 2	Protein Coding	Q6IQ55	52	GC15M042738	2.989473
SOX5	SRY-Box Transcription Factor 5	Protein Coding	P35711	53	GC12M023529	2.988343
VSIR	V-Set Immunoregulatory Receptor	Protein Coding	Q9H7M9	47	GC10M071748	2.984422
ANKRD2	Ankyrin Repeat Domain 2	Protein Coding	Q9GZV1	45	GC10P097572	2.977296
VPS18	VPS18 Core Subunit Of CORVET And HOPS Complexes	Protein Coding	Q9P253	45	GC15P040894	2.977271
IL21R	Interleukin 21 Receptor	Protein Coding	Q9HBE5	51	GC16P081252	2.97651
RYR3	Ryanodine Receptor 3	Protein Coding	Q15413	50	GC15P033310	2.97594
GARS1	Glycyl-TRNA Synthetase 1	Protein Coding	P41250	54	GC07P030580	2.974467
ITGB8	Integrin Subunit Beta 8	Protein Coding	P26012	45	GC07P020329	2.973874

CDK2	Cyclin Dependent Kinase 2	Protein Coding	P24941	60	GC12P055966	2.973195
MYO6	Myosin VI	Protein Coding	Q9UM54	51	GC06P075749	2.97206
NPR1	Natriuretic Peptide Receptor 1	Protein Coding	P16066	55	GC01P164450	2.972009
MIR941-4	MicroRNA 941-4	RNA Gene		15	GC20P067006	2.970229
ALCAM	Activated Leukocyte Cell Adhesion Molecule	Protein Coding	Q13740	51	GC03P105366	2.965661
SLC9A1	Solute Carrier Family 9 Member A1	Protein Coding	P19634	58	GC01M031098	2.965124
DEFA4	Defensin Alpha 4	Protein Coding	P12838	40	GC08M006935	2.963379
PDE6G	Phosphodiesterase 6G	Protein Coding	P18545	51	GC17M081650	2.961156
WNK1	WNK Lysine Deficient Protein Kinase 1	Protein Coding	Q9H4A3	56	GC12P000763	2.958457
MITF	Melanocyte Inducing Transcription Factor	Protein Coding	O75030	57	GC03P069740	2.9577
ERLIN2	ER Lipid Raft Associated 2	Protein Coding	O94905	51	GC08P037736	2.956706
SUN1	Sad1 And UNC84 Domain Containing 1	Protein Coding	O94901	48	GC07P000815	2.955754
GYS1	Glycogen Synthase 1	Protein Coding	P13807	58	GC19M093064	2.955515
SIGLEC8	Sialic Acid Binding Ig Like Lectin 8	Protein Coding	Q9NYZ4	49	GC19M051450	2.953866
CA8	Carbonic Anhydrase 8	Protein Coding	P35219	54	GC08M060187	2.949641
HSPB7	Heat Shock Protein Family B (Small) Member 7	Protein Coding	Q9UBY9	45	GC01M016014	2.948931
MYL12A	Myosin Light Chain 12A	Protein Coding	P19105	47	GC18P003238	2.946383
TSR2	TSR2 Ribosome Maturation Factor	Protein	Q969E8	45	GC0XP057790	2.945796

		Coding				
MT-ND4L	Mitochondrially Encoded NADH:Ubiquinone Oxidoreductase Core Subunit 4L	Protein Coding	P03901	35	GCMTP010472	2.94458
MIR3613	MicroRNA 3613	RNA Gene		20	GC13M049996	2.942055
LIG3	DNA Ligase 3	Protein Coding	P49916	53	GC17P034980	2.940619
RORA	RAR Related Orphan Receptor A	Protein Coding	P35398	58	GC15M060488	2.940245
SERPINB5	Serpin Family B Member 5	Protein Coding	P36952	52	GC18P063476	2.938663
GNAI1	G Protein Subunit Alpha I1	Protein Coding	P63096	54	GC07P086452	2.937505
FLG	Filaggrin	Protein Coding	P20930	51	GC01M160856	2.936857
TNNT3	Troponin T3, Fast Skeletal Type	Protein Coding	P45378	50	GC11P010664	2.936296
FGL2	Fibrinogen Like 2	Protein Coding	Q14314	48	GC07M077193	2.935627
AIRN	Antisense Of IGF2R Non-Protein Coding RNA	RNA Gene		23	GC06M160003	2.934195
MIR765	MicroRNA 765	RNA Gene		21	GC01M161238	2.933848
FUT3	Fucosyltransferase 3 (Lewis Blood Group)	Protein Coding	P21217	48	GC19M091872	2.932243
MIR30C2	MicroRNA 30c-2	RNA Gene		20	GC06M094291	2.931758
CORO1A	Coronin 1A	Protein Coding	P31146	53	GC16P081586	2.929275
SPRY1	Sprouty RTK Signaling Antagonist 1	Protein Coding	O43609	50	GC04P123396	2.927592
NUP93	Nucleoporin 93	Protein Coding	Q8N1F7	48	GC16P082480	2.925719
UQCRFS1	Ubiquinol-Cytochrome C Reductase, Rieske Iron-Sulfur Polypeptide 1	Protein Coding	P47985	54	GC19M029205	2.924984
TAF10	TATA-Box Binding Protein Associated Factor 10	Protein Coding	Q12962	47	GC11M012127	2.92347

ATP8B3	ATPase Phospholipid Transporting 8B3	Protein Coding	O60423	46	GC19M091723	2.923455
YME1L1	YME1 Like 1 ATPase	Protein Coding	Q96TA2	51	GC10M027110	2.922878
NR0B1	Nuclear Receptor Subfamily 0 Group B Member 1	Protein Coding	P51843	53	GC0XM030304	2.92224
IGHG2	Immunoglobulin Heavy Constant Gamma 2 (G2m Marker)	Protein Coding	P01859	34	GC14M119999	2.921783
TPP1	Tripeptidyl Peptidase 1	Protein Coding	O14773	54	GC11M012130	2.919625
SGPP1	Sphingosine-1-Phosphate Phosphatase 1	Protein Coding	Q9BX95	42	GC14M063684	2.919509
MIR1972-1	MicroRNA 1972-1	RNA Gene		15	GC16M020908	2.913068
DACT1	Dishevelled Binding Antagonist Of Beta Catenin 1	Protein Coding	Q9NYF0	48	GC14P058633	2.912021
TUBA1B	Tubulin Alpha 1b	Protein Coding	P68363	53	GC12M049127	2.911301
HLA-DRB9	Major Histocompatibility Complex, Class II, DR Beta 9 (Pseudogene)	Pseudogene		13	GC06M093828	2.910886
SRXN1	Sulfiredoxin 1	Protein Coding	Q9BYN0	38	GC20M000663	2.90672
KCNA1	Potassium Voltage-Gated Channel Subfamily A Member 1	Protein Coding	Q09470	54	GC12P038929	2.903807
LTBR	Lymphotoxin Beta Receptor	Protein Coding	P36941	49	GC12P006375	2.903376
CXADR	CXADR Ig-Like Cell Adhesion Molecule	Protein Coding	P78310	53	GC21P017513	2.90281
WNK4	WNK Lysine Deficient Protein Kinase 4	Protein Coding	Q96J92	53	GC17P042780	2.902728
HBQ1	Hemoglobin Subunit Theta 1	Protein Coding	P09105	43	GC16P080154	2.902191
NPRL3	NPR3 Like, GATOR1 Complex Subunit	Protein Coding	Q12980	45	GC16M000084	2.902079
HSD3B7	Hydroxy-Delta-5-Steroid Dehydrogenase, 3 Beta-	Protein	Q9H2F3	48	GC16P030985	2.900485

	And Steroid Delta-Isomerase 7	Coding				
MIR766	MicroRNA 766	RNA Gene		20	GC0XM119646	2.899715
CD22	CD22 Molecule	Protein Coding	P20273	54	GC19P035319	2.898994
ITGAX	Integrin Subunit Alpha X	Protein Coding	P20702	54	GC16P081726	2.898743
APOA5	Apolipoprotein A5	Protein Coding	Q6Q788	52	GC11M116789	2.898667
SUMF1	Sulfatase Modifying Factor 1	Protein Coding	Q8NBK3	50	GC03M003700	2.898054
ADAT3	Adenosine Deaminase TRNA Specific 3	Protein Coding	Q96EY9	43	GC19P111895	2.895109
NCAPG	Non-SMC Condensin I Complex Subunit G	Protein Coding	Q9BPX3	47	GC04P024710	2.894915
PRDM1	PR/SET Domain 1	Protein Coding	O75626	53	GC06P135836	2.893318
UBE3A	Ubiquitin Protein Ligase E3A	Protein Coding	Q05086	57	GC15M025333	2.892019
KCTD1	Potassium Channel Tetramerization Domain Containing 1	Protein Coding	Q719H9	47	GC18M026454	2.890414
CUBN	Cubilin	Protein Coding	O60494	54	GC10M016824	2.890164
ARHGAP24	Rho GTPase Activating Protein 24	Protein Coding	Q8N264	46	GC04P085475	2.8895
DRD3	Dopamine Receptor D3	Protein Coding	P35462	52	GC03M114128	2.888421
SRPX2	Sushi Repeat Containing Protein X-Linked 2	Protein Coding	O60687	48	GC0XP100648	2.88636
HNRNPUL1	Heterogeneous Nuclear Ribonucleoprotein U Like 1	Protein Coding	Q9BUJ2	44	GC19P041262	2.882533
RARRES2	Retinoic Acid Receptor Responder 2	Protein Coding	Q99969	48	GC07M150333	2.882048
SLC2A3	Solute Carrier Family 2 Member 3	Protein Coding	P11169	56	GC12M007919	2.880134

BPIFB1	BPI Fold Containing Family B Member 1	Protein Coding	Q8TDL5	43	GC20P033273	2.87929
REG1A	Regenerating Family Member 1 Alpha	Protein Coding	P05451	49	GC02P079120	2.875684
ASIC1	Acid Sensing Ion Channel Subunit 1	Protein Coding	P78348	53	GC12P050057	2.874992
FKBP11	FKBP Prolyl Isomerase 11	Protein Coding	Q9NYL4	43	GC12M051179	2.871484
PRKCZ	Protein Kinase C Zeta	Protein Coding	Q05513	57	GC01P020522	2.871185
MIR3148	MicroRNA 3148	RNA Gene		11	GC08M029957	2.870144
SLC7A5	Solute Carrier Family 7 Member 5	Protein Coding	Q01650	52	GC16M087830	2.868062
UBE2L3	Ubiquitin Conjugating Enzyme E2 L3	Protein Coding	P68036	54	GC22P021549	2.866292
GALNT11	Polypeptide N-Acetylgalactosaminyltransferase 11	Protein Coding	Q8NCW6	48	GC07P152025	2.864564
KCNIP2	Potassium Voltage-Gated Channel Interacting Protein 2	Protein Coding	Q9NS61	48	GC10M101825	2.863707
MIR320B2	MicroRNA 320b-2	RNA Gene		15	GC01M224257	2.863543
DYRK1A	Dual Specificity Tyrosine Phosphorylation Regulated Kinase 1A	Protein Coding	Q13627	59	GC21P037365	2.862851
COL4A4	Collagen Type IV Alpha 4 Chain	Protein Coding	P53420	52	GC02M226973	2.859791
MSBP1	Minisatellite Binding Protein 1	Protein Coding		10	GC00U990213	2.858534
PSAPL1	Prosaposin Like 1	Protein Coding	Q6NUJ1	43	GC04M007434	2.856533
ALG3	ALG3 Alpha-1,3- Mannosyltransferase	Protein Coding	Q92685	48	GC03M184244	2.85633
MYBPC2	Myosin Binding Protein C2	Protein Coding	Q14324	45	GC19P050432	2.855662
RAB10	RAB10, Member RAS Oncogene Family	Protein Coding	P61026	50	GC02P026033	2.852492
CIRBP	Cold Inducible RNA Binding Protein	Protein	Q14011	43	GC19P001259	2.851949

		Coding				
MIR6724-1	MicroRNA 6724-1	RNA Gene		7	GC21P008205	2.850159
ALOX12	Arachidonate 12-Lipoxygenase, 12S Type	Protein Coding	P18054	53	GC17P111131	2.849575
ERVW-1	Endogenous Retrovirus Group W Member 1, Envelope	Protein Coding	Q9UQF0	45	GC07M092468	2.848607
PIK3R1	Phosphoinositide-3-Kinase Regulatory Subunit 1	Protein Coding	P27986	60	GC05P068215	2.846987
MIR376C	MicroRNA 376c	RNA Gene		25	GC14P116755	2.843925
GPR143	G Protein-Coupled Receptor 143	Protein Coding	P51810	51	GC0XM009725	2.843451
ODC1	Ornithine Decarboxylase 1	Protein Coding	P11926	57	GC02M010432	2.840865
COQ4	Coenzyme Q4	Protein Coding	Q9Y3A0	47	GC09P128322	2.840499
MIR208A	MicroRNA 208a	RNA Gene		25	GC14M023388	2.836636
MAVS	Mitochondrial Antiviral Signaling Protein	Protein Coding	Q7Z434	48	GC20P008170	2.834527
RIPK1	Receptor Interacting Serine/Threonine Kinase 1	Protein Coding	Q13546	59	GC06P006449	2.833963
UCP2	Uncoupling Protein 2	Protein Coding	P55851	55	GC11M073974	2.831622
CRB2	Crumbs Cell Polarity Complex Component 2	Protein Coding	Q5IJ48	50	GC09P124638	2.829366
EPHA3	EPH Receptor A3	Protein Coding	P29320	55	GC03P089077	2.827965
MIR520A	MicroRNA 520a	RNA Gene		23	GC19P053690	2.827826
MIR652	MicroRNA 652	RNA Gene		23	GC0XP110055	2.827613
WDR45	WD Repeat Domain 45	Protein Coding	Q9Y484	49	GC0XM049074	2.823426
ADAMTS1	ADAM Metallopeptidase With Thrombospondin Type 1 Motif 1	Protein Coding	Q9UHI8	52	GC21M026835	2.822932
OGN	Osteoglycin	Protein	P20774	48	GC09M092383	2.820859

		Coding				
MCM4	Minichromosome Maintenance Complex Component 4	Protein Coding	P33991	54	GC08P047966	2.817993
GPLD1	Glycosylphosphatidylinositol Specific Phospholipase D1	Protein Coding	P80108	51	GC06M024547	2.81549
NDUFS4	NADH:Ubiquinone Oxidoreductase Subunit S4	Protein Coding	O43181	51	GC05P053560	2.815128
EXOSC9	Exosome Component 9	Protein Coding	Q06265	50	GC04P121801	2.814587
IRAK1	Interleukin 1 Receptor Associated Kinase 1	Protein Coding	P51617	58	GC0XM154010	2.814586
ZNFX1	Zinc Finger NFX1-Type Containing 1	Protein Coding	Q9P2E3	41	GC20M049679	2.812533
SIRT7	Sirtuin 7	Protein Coding	Q9NRC8	45	GC17M081911	2.811662
RNF8	Ring Finger Protein 8	Protein Coding	O76064	51	GC06P134997	2.81066
TET1	Tet Methylcytosine Dioxygenase 1	Protein Coding	Q8NFU7	46	GC10P068560	2.808584
TAGLN2	Transgelin 2	Protein Coding	P37802	47	GC01M159918	2.807228
SLC38A8	Solute Carrier Family 38 Member 8	Protein Coding	A6NNN8	44	GC16M084009	2.80572
LOC126861896	BRD4-Independent Group 4 Enhancer GRCh37_chr14:23854904-23856103	Functional Element		5	GC14P046647	2.803844
TRPV6	Transient Receptor Potential Cation Channel Subfamily V Member 6	Protein Coding	Q9H1D0	55	GC07M142871	2.803233
MYLK3	Myosin Light Chain Kinase 3	Protein Coding	Q32MK0	48	GC16M047301	2.801936
NTF4	Neurotrophin 4	Protein Coding	P34130	55	GC19M093071	2.799221
TOR1B	Torsin Family 1 Member B	Protein Coding	O14657	47	GC09P129803	2.798456
SULF1	Sulfatase 1	Protein	Q8IWU6	50	GC08P069466	2.798205

		Coding				
DNAH6	Dynein Axonemal Heavy Chain 6	Protein Coding	Q9C0G6	39	GC02P084459	2.796524
GTPBP3	GTP Binding Protein 3, Mitochondrial	Protein Coding	Q969Y2	48	GC19P112613	2.79199
KCNQ1-AS1	KCNQ1 Antisense RNA 1	RNA Gene		23	GC11M011927	2.791314
CACNA1C-AS1	CACNA1C Antisense RNA 1	RNA Gene		20	GC12M002676	2.790835
TENT4B	Terminal Nucleotidyltransferase 4B	Protein Coding	Q8NDF8	44	GC16P095196	2.787393
LGALS4	Galectin 4	Protein Coding	P56470	47	GC19M092746	2.786812
BACH1	BTB Domain And CNC Homolog 1	Protein Coding	O14867	48	GC21P029194	2.786667
CCDC22	Coiled-Coil Domain Containing 22	Protein Coding	O60826	46	GC0XP057602	2.785912
MIR660	MicroRNA 660	RNA Gene		19	GC0XP050013	2.782897
HCG27	HLA Complex Group 27	RNA Gene		22	GC06P031197	2.776594
IAPP	Islet Amyloid Polypeptide	Protein Coding	P10997	49	GC12P021354	2.775674
TCIM	Transcriptional And Immune Response Regulator	Protein Coding	Q9NR00	40	GC08P040153	2.773874
CBX5	Chromobox 5	Protein Coding	P45973	50	GC12M054230	2.773058
RPS17	Ribosomal Protein S17	Protein Coding	P08708	51	GC15M082536	2.77249
H3-4	H3.4 Histone, Cluster Member	Protein Coding	Q16695	47	GC01M228427	2.772165
NR1H3	Nuclear Receptor Subfamily 1 Group H Member 3	Protein Coding	Q13133	55	GC11P047248	2.771713
DUSP19	Dual Specificity Phosphatase 19	Protein Coding	Q8WTR2	45	GC02P183078	2.771425
MAD2L1	Mitotic Arrest Deficient 2 Like 1	Protein Coding	Q13257	53	GC04M120055	2.771403

CRPPA	CDP-L-Ribitol Pyrophosphorylase A	Protein Coding	A4D126	46	GC07M016088	2.771189
DMPK	DM1 Protein Kinase	Protein Coding	Q09013	56	GC19M045769	2.769968
CFHR5	Complement Factor H Related 5	Protein Coding	Q9BXR6	47	GC01P196977	2.769033
PKLR	Pyruvate Kinase L/R	Protein Coding	P30613	55	GC01M155289	2.765509
CELSR1	Cadherin EGF LAG Seven-Pass G-Type Receptor 1	Protein Coding	Q9NYQ6	49	GC22M046360	2.765095
TEX11	Testis Expressed 11	Protein Coding	Q8IYF3	45	GC0XM070693	2.763802
MYNN	Myoneurin	Protein Coding	Q9NPC7	43	GC03P169773	2.763059
GAD2	Glutamate Decarboxylase 2	Protein Coding	Q05329	53	GC10P026216	2.762306
MIR502	MicroRNA 502	RNA Gene		22	GC0XP050014	2.761959
SPINK5	Serine Peptidase Inhibitor Kazal Type 5	Protein Coding	Q9NQ38	49	GC05P148025	2.761497
SYNGR1	Synaptogyrin 1	Protein Coding	O43759	48	GC22P070611	2.759515
LAMA1	Laminin Subunit Alpha 1	Protein Coding	P25391	54	GC18M006941	2.753132
DNASE1L1	Deoxyribonuclease 1 Like 1	Protein Coding	P49184	46	GC0XM154401	2.751979
MIR637	MicroRNA 637	RNA Gene		22	GC19M003961	2.75113
BDKRB1	Bradykinin Receptor B1	Protein Coding	P46663	50	GC14P096336	2.750699
TPP2	Tripeptidyl Peptidase 2	Protein Coding	P29144	51	GC13P102596	2.749715
GLP1R	Glucagon Like Peptide 1 Receptor	Protein Coding	P43220	55	GC06P039048	2.746873
IL36A	Interleukin 36 Alpha	Protein Coding	Q9UHA7	46	GC02P113005	2.746786

AK9	Adenylate Kinase 9	Protein Coding	Q5TCS8	40	GC06M109492	2.746118
EPHB2	EPH Receptor B2	Protein Coding	P29323	60	GC01P022710	2.744762
PIF1	PIF1 5'-To-3' DNA Helicase	Protein Coding	Q9H611	44	GC15M064815	2.741878
ING4	Inhibitor Of Growth Family Member 4	Protein Coding	Q9UNL4	41	GC12M006650	2.741473
KCNJ13	Potassium Inwardly Rectifying Channel Subfamily J Member 13	Protein Coding	O60928	50	GC02M232765	2.741292
SLC22A3	Solute Carrier Family 22 Member 3	Protein Coding	O75751	51	GC06P160348	2.739452
LAMB1	Laminin Subunit Beta 1	Protein Coding	P07942	58	GC07M107923	2.738147
NUP85	Nucleoporin 85	Protein Coding	Q9BW27	48	GC17P075205	2.737625
TARS2	Threonyl-TRNA Synthetase 2, Mitochondrial	Protein Coding	Q9BW92	50	GC01P164241	2.735513
PSMG2	Proteasome Assembly Chaperone 2	Protein Coding	Q969U7	46	GC18P021566	2.733529
SLC12A6	Solute Carrier Family 12 Member 6	Protein Coding	Q9UHW9	54	GC15M034229	2.732085
MEGF10	Multiple EGF Like Domains 10	Protein Coding	Q96KG7	50	GC05P127230	2.731848
GLRX	Glutaredoxin	Protein Coding	P35754	52	GC05M095752	2.728678
TLR10	Toll Like Receptor 10	Protein Coding	Q9BXR5	47	GC04M038773	2.724672
CHD4	Chromodomain Helicase DNA Binding Protein 4	Protein Coding	Q14839	53	GC12M006570	2.720111
MIR18B	MicroRNA 18b	RNA Gene		21	GC0XM134452	2.718176
CAPN15	Calpain 15	Protein Coding	O75808	46	GC16P000527	2.717474
USP13	Ubiquitin Specific Peptidase 13	Protein	Q92995	50	GC03P179654	2.716688

		Coding				
HSD17B1	Hydroxysteroid 17-Beta Dehydrogenase 1	Protein Coding	P14061	50	GC17P112329	2.716322
ZNF462	Zinc Finger Protein 462	Protein Coding	Q96JM2	48	GC09P106860	2.715159
RHOT2	Ras Homolog Family Member T2	Protein Coding	Q8IXI1	47	GC16P080170	2.71463
CHTF18	Chromosome Transmission Fidelity Factor 18	Protein Coding	Q8WVB6	44	GC16P080178	2.71463
WDR24	WD Repeat Domain 24	Protein Coding	Q96S15	40	GC16M020223	2.71463
SNRNP25	Small Nuclear Ribonucleoprotein U11/U12 Subunit 25	Protein Coding	Q9BV90	38	GC16P000053	2.71463
WASH4P	WASP Family Homolog 4, Pseudogene	Pseudogene	A8MWX3	18	GC16M000014	2.71463
IL9RP3	IL9R Pseudogene 3	Pseudogene		11	GC16M000028	2.71463
ENSG00000268836	Novel Transcript	RNA Gene		9	GC16M000185	2.71463
POLR3A	RNA Polymerase III Subunit A	Protein Coding	O14802	53	GC10M079112	2.712633
ATP5PO	ATP Synthase Peripheral Stalk Subunit OSCP	Protein Coding	P48047	51	GC21M033904	2.710166
AGPAT1	1-Acylglycerol-3-Phosphate O-Acyltransferase 1	Protein Coding	Q99943	46	GC06M032168	2.707994
CUL4B	Cullin 4B	Protein Coding	Q13620	51	GC0XM120524	2.7071
RELN	Reelin	Protein Coding	P78509	53	GC07M103471	2.706168
PRPF6	Pre-MRNA Processing Factor 6	Protein Coding	O94906	49	GC20P063981	2.704958
IFI16	Interferon Gamma Inducible Protein 16	Protein Coding	Q16666	52	GC01P158999	2.704806
AGPAT2	1-Acylglycerol-3-Phosphate O-Acyltransferase 2	Protein Coding	O15120	52	GC09M136673	2.704342
FZD1	Frizzled Class Receptor 1	Protein Coding	Q9UP38	53	GC07P091264	2.701722

GRM1	Glutamate Metabotropic Receptor 1	Protein Coding	Q13255	59	GC06P145973	2.699541
MRE11	MRE11 Homolog, Double Strand Break Repair Nuclease	Protein Coding	P49959	57	GC11M126070	2.698311
HARS2	Histidyl-TRNA Synthetase 2, Mitochondrial	Protein Coding	P49590	51	GC05P152540	2.69736
POMGNT1	Protein O-Linked Mannose N-Acetylglucosaminyltransferase 1 (Beta 1,2-)	Protein Coding	Q8WZA1	53	GC01M046188	2.695847
PGRMC1	Progesterone Receptor Membrane Component 1	Protein Coding	O00264	52	GC0XP119236	2.694481
LOC114827851	VISTA Enhancer Hs2155	Functional Element		6	GC14P046565	2.690941
REST	RE1 Silencing Transcription Factor	Protein Coding	Q13127	52	GC04P056907	2.690381
KIF5A	Kinesin Family Member 5A	Protein Coding	Q12840	54	GC12P060685	2.687765
MIR520E	MicroRNA 520e	RNA Gene		15	GC19P113646	2.684778
CD276	CD276 Molecule	Protein Coding	Q5ZPR3	51	GC15P073683	2.6842
SEMA3D	Semaphorin 3D	Protein Coding	O95025	46	GC07M084995	2.683259
APRT	Adenine Phosphoribosyltransferase	Protein Coding	P07741	55	GC16M088810	2.680558
ACTG1	Actin Gamma 1	Protein Coding	P63261	55	GC17M081509	2.679914
ACADS	Acyl-CoA Dehydrogenase Short Chain	Protein Coding	P16219	52	GC12P133242	2.679645
LIN28B	Lin-28 Homolog B	Protein Coding	Q6ZN17	49	GC06P135809	2.67731
MAPK11	Mitogen-Activated Protein Kinase 11	Protein Coding	Q15759	54	GC22M050263	2.677052
MIR127	MicroRNA 127	RNA Gene		28	GC14P115744	2.676922
PRPF31	Pre-MRNA Processing Factor 31	Protein Coding	Q8WWY3	52	GC19P113671	2.673468
GYPC	Glycophorin C (Gerbich Blood Group)	Protein	P04921	51	GC02P143864	2.671025

		Coding				
PDK4	Pyruvate Dehydrogenase Kinase 4	Protein Coding	Q16654	52	GC07M095583	2.668852
CLTC	Clathrin Heavy Chain	Protein Coding	Q00610	52	GC17P059619	2.667196
DPP10	Dipeptidyl Peptidase Like 10	Protein Coding	Q8N608	51	GC02P114442	2.665073
AZU1	Azurocidin 1	Protein Coding	P20160	48	GC19P000825	2.661863
ARID3A	AT-Rich Interaction Domain 3A	Protein Coding	Q99856	43	GC19P111821	2.660595
PTGDS	Prostaglandin D2 Synthase	Protein Coding	P41222	54	GC09P141923	2.660562
PCNT	Pericentrin	Protein Coding	O95613	53	GC21P046324	2.65965
CSNK2B	Casein Kinase 2 Beta	Protein Coding	P67870	57	GC06P134823	2.658345
SUN2	Sad1 And UNC84 Domain Containing 2	Protein Coding	Q9UH99	48	GC22M077111	2.65812
FGF14	Fibroblast Growth Factor 14	Protein Coding	Q92915	51	GC13M101710	2.657914
CTF1	Cardiotrophin 1	Protein Coding	Q16619	47	GC16P081674	2.656279
SSPN	Sarcospan	Protein Coding	Q14714	45	GC12P039432	2.655546
CHRM1	Cholinergic Receptor Muscarinic 1	Protein Coding	P11229	54	GC11M125267	2.654782
MIR484	MicroRNA 484	RNA Gene		24	GC16P080798	2.652994
CAND1	Cullin Associated And Neddylation Dissociated 1	Protein Coding	Q86VP6	46	GC12P067279	2.651295
BTNL9	Butyrophilin Like 9	Protein Coding	Q6UXG8	39	GC05P181040	2.650066
FCAMR	Fc Alpha And Mu Receptor	Protein Coding	Q8WWV6	39	GC01M206957	2.650066

MEP1B	Meprin A Subunit Beta	Protein Coding	Q16820	47	GC18P032185	2.649827
SMTN	Smoothelin	Protein Coding	P53814	46	GC22P070364	2.647048
MEG8	Maternally Expressed 8, Small Nucleolar RNA Host Gene	RNA Gene		26	GC14P116736	2.646684
PAK1	P21 (RAC1) Activated Kinase 1	Protein Coding	Q13153	60	GC11M125835	2.641986
C14orf39	Chromosome 14 Open Reading Frame 39	Protein Coding	Q8N1H7	44	GC14M060396	2.640666
CRABP1	Cellular Retinoic Acid Binding Protein 1	Protein Coding	P29762	49	GC15P078340	2.634897
MIR942	MicroRNA 942	RNA Gene		20	GC01P117094	2.631325
IRX1	Iroquois Homeobox 1	Protein Coding	P78414	44	GC05P003602	2.625307
PODXL	Podocalyxin Like	Protein Coding	O00592	50	GC07M131500	2.624793
TYRP1	Tyrosinase Related Protein 1	Protein Coding	P17643	55	GC09P012683	2.621723
COL7A1	Collagen Type VII Alpha 1 Chain	Protein Coding	Q02388	52	GC03M048564	2.620365
FCER2	Fc Epsilon Receptor II	Protein Coding	P06734	52	GC19M091948	2.619538
TCF7L2	Transcription Factor 7 Like 2	Protein Coding	Q9NQB0	54	GC10P112950	2.615505
LINCMD1	Long Intergenic Non-Protein Coding RNA, Muscle Differentiation 1	RNA Gene		21	GC06M052146	2.61525
SIAH1	Siah E3 Ubiquitin Protein Ligase 1	Protein Coding	Q8IUQ4	54	GC16M048357	2.615165
LINC01093	Long Intergenic Non-Protein Coding RNA 1093	RNA Gene		15	GC04M184893	2.614862
PON2	Paraoxonase 2	Protein Coding	Q15165	52	GC07M095404	2.612025
MIR520D	MicroRNA 520d	RNA Gene		20	GC19P053720	2.610357
RAB6A	RAB6A, Member RAS Oncogene Family	Protein	P20340	50	GC11M125675	2.609928

		Coding				
C11orf65	Chromosome 11 Open Reading Frame 65	Protein Coding	Q8NCR3	40	GC11M108308	2.609018
ADSL	Adenylosuccinate Lyase	Protein Coding	P30566	56	GC22P040346	2.607221
LRRC10	Leucine Rich Repeat Containing 10	Protein Coding	Q5BKY1	41	GC12M069608	2.606754
TMEM11	Transmembrane Protein 11	Protein Coding	P17152	44	GC17M021197	2.604467
MDH2	Malate Dehydrogenase 2	Protein Coding	P40926	55	GC07P076048	2.603564
CDKN2C	Cyclin Dependent Kinase Inhibitor 2C	Protein Coding	P42773	52	GC01P050960	2.598372
CEP192	Centrosomal Protein 192	Protein Coding	Q8TEP8	44	GC18P021578	2.598145
MYO18A	Myosin XVIIIA	Protein Coding	Q92614	47	GC17M076397	2.59665
KCND2	Potassium Voltage-Gated Channel Subfamily D Member 2	Protein Coding	Q9NZV8	52	GC07P120273	2.595943
YY1AP1	YY1 Associated Protein 1	Protein Coding	Q9H869	46	GC01M155659	2.595349
PDCD5	Programmed Cell Death 5	Protein Coding	O14737	46	GC19P032581	2.590604
FBN3	Fibrillin 3	Protein Coding	Q75N90	46	GC19M008065	2.590062
CPQ	Carboxypeptidase Q	Protein Coding	Q9Y646	47	GC08P096645	2.58458
KIF24	Kinesin Family Member 24	Protein Coding	Q5T7B8	43	GC09M034252	2.580336
FOXL1	Forkhead Box L1	Protein Coding	Q12952	44	GC16P086576	2.57922
EXT1	Exostosin Glycosyltransferase 1	Protein Coding	Q16394	55	GC08M117798	2.579164
SETDB1	SET Domain Bifurcated Histone Lysine	Protein	Q15047	52	GC01P150926	2.578561

	Methyltransferase 1	Coding				
ADAMTS4	ADAM Metallopeptidase With Thrombospondin Type 1 Motif 4	Protein Coding	O75173	52	GC01M161184	2.577413
ACAD9	Acyl-CoA Dehydrogenase Family Member 9	Protein Coding	Q9H845	52	GC03P139001	2.577049
TNIP1	TNFAIP3 Interacting Protein 1	Protein Coding	Q15025	47	GC05M151029	2.573826
RGS2	Regulator Of G Protein Signaling 2	Protein Coding	P41220	48	GC01P192809	2.573164
ACO1	Aconitase 1	Protein Coding	P21399	52	GC09P032374	2.571774
TMPRSS6	Transmembrane Serine Protease 6	Protein Coding	Q8IU80	53	GC22M077092	2.569753
MC3R	Melanocortin 3 Receptor	Protein Coding	P41968	49	GC20P056248	2.565459
VDAC3	Voltage Dependent Anion Channel 3	Protein Coding	Q9Y277	50	GC08P042392	2.563592
DKK4	Dickkopf WNT Signaling Pathway Inhibitor 4	Protein Coding	Q9UBT3	46	GC08M042373	2.563243
GPM6A	Glycoprotein M6A	Protein Coding	P51674	44	GC04M175632	2.563243
ERN2	Endoplasmic Reticulum To Nucleus Signaling 2	Protein Coding	Q76MJ5	42	GC16M023690	2.563243
GDE1	Glycerophosphodiester Phosphodiesterase 1	Protein Coding	Q9NZC3	40	GC16M021107	2.563243
ZNF467	Zinc Finger Protein 467	Protein Coding	Q7Z7K2	37	GC07M149764	2.563243
MIR520B	MicroRNA 520b	RNA Gene		15	GC19P113653	2.563243
LINC02603	Long Intergenic Non-Protein Coding RNA 2603	RNA Gene		14	GC09M109494	2.563243
AKR1D1	Aldo-Keto Reductase Family 1 Member D1	Protein Coding	P51857	52	GC07P138297	2.56319
MIR153-1	MicroRNA 153-1	RNA Gene		16	GC02M219294	2.562707
ADAMTS5	ADAM Metallopeptidase With Thrombospondin Type 1 Motif 5	Protein Coding	Q9UNA0	53	GC21M026918	2.562271

NUMB	NUMB Endocytic Adaptor Protein	Protein Coding	P49757	51	GC14M073275	2.561845
SBF2	SET Binding Factor 2	Protein Coding	Q86WG5	47	GC11M012239	2.560759
TNP1	Transition Protein 1	Protein Coding	P09430	44	GC02M216859	2.558128
MON1A	MON1 Homolog A, Secretory Trafficking Associated	Protein Coding	Q86VX9	44	GC03M053769	2.557914
MAP4K2	Mitogen-Activated Protein Kinase Kinase Kinase Kinase 2	Protein Coding	Q12851	53	GC11M125330	2.55659
ENSG00000277925	Vertebrate Telomerase RNA	RNA Gene		12	GC03M169764	2.555096
TM4SF5	Transmembrane 4 L Six Family Member 5	Protein Coding	O14894	36	GC17P004771	2.554228
PDX1	Pancreatic And Duodenal Homeobox 1	Protein Coding	P52945	54	GC13P027921	2.554213
LEF1-AS1	LEF1 Antisense RNA 1	RNA Gene		25	GC04P108167	2.553137
FUNDC1	FUN14 Domain Containing 1	Protein Coding	Q8IVP5	43	GC0XM044523	2.552826
DSP-AS1	DSP Antisense RNA 1	RNA Gene		20	GC06M007542	2.552577
TBXT	T-Box Transcription Factor T	Protein Coding	O15178	53	GC06M166158	2.552142
STS	Steroid Sulfatase	Protein Coding	P08842	55	GC0XP007146	2.550407
AGXT	Alanine--Glyoxylate Aminotransferase	Protein Coding	P21549	54	GC02P240868	2.550383
TMPRSS11D	Transmembrane Serine Protease 11D	Protein Coding	O60235	47	GC04M067820	2.54699
FH	Fumarate Hydratase	Protein Coding	P07954	55	GC01M241499	2.544299
CAPZA1	Capping Actin Protein Of Muscle Z-Line Subunit Alpha 1	Protein Coding	P52907	48	GC01P112619	2.541815
HSPB2	Heat Shock Protein Family B (Small) Member 2	Protein Coding	Q16082	48	GC11P112498	2.539706
PLCG2	Phospholipase C Gamma 2	Protein	P16885	60	GC16P081779	2.537383

		Coding				
CYP51A1	Cytochrome P450 Family 51 Subfamily A Member 1	Protein Coding	Q16850	51	GC07M092112	2.535733
PGGHG	Protein-Glucosylgalactosylhydroxylysine Glucosidase	Protein Coding	Q32M88	45	GC11P010556	2.531831
POLR2E	RNA Polymerase II, I And III Subunit E	Protein Coding	P19388	50	GC19M001086	2.53137
SCAMP4	Secretory Carrier Membrane Protein 4	Protein Coding	Q969E2	40	GC19P001905	2.525898
DIABLO	Diablo IAP-Binding Mitochondrial Protein	Protein Coding	Q9NR28	54	GC12M123647	2.52303
MAP1B	Microtubule Associated Protein 1B	Protein Coding	P46821	53	GC05P072107	2.522989
CALN1	Calneuron 1	Protein Coding	Q9BXU9	41	GC07M071780	2.521821
TAPT1	Transmembrane Anterior Posterior Transformation 1	Protein Coding	Q6NXT6	44	GC04M016162	2.520892
FRMD4A	FERM Domain Containing 4A	Protein Coding	Q9P2Q2	46	GC10M013643	2.518326
HSD17B2	Hydroxysteroid 17-Beta Dehydrogenase 2	Protein Coding	P37059	51	GC16P085542	2.517875
ACYP1	Acylphosphatase 1	Protein Coding	P07311	46	GC14M075053	2.515795
UGT1A	UDP Glucuronosyltransferase Family 1 Member A Complex Locus	Uncategorized		17	GC02P233597	2.514819
ADAMTS12	ADAM Metallopeptidase With Thrombospondin Type 1 Motif 12	Protein Coding	P58397	47	GC05M033524	2.513426
PTPN6	Protein Tyrosine Phosphatase Non-Receptor Type 6	Protein Coding	P29350	58	GC12P038993	2.513081
SERPINA12	Serpin Family A Member 12	Protein Coding	Q8IW75	48	GC14M094487	2.512528
GOLGB1	Golgin B1	Protein Coding	Q14789	44	GC03M121663	2.511764
LNPEP	Leucyl And Cystinyl Aminopeptidase	Protein	Q9UIQ6	54	GC05P096935	2.510533

		Coding				
PHEX	Phosphate Regulating Endopeptidase X-Linked	Protein Coding	P78562	51	GC0XP022032	2.508556
GLUL	Glutamate-Ammonia Ligase	Protein Coding	P15104	57	GC01M182378	2.508414
MIR133A2	MicroRNA 133a-2	RNA Gene		20	GC20P066956	2.507927
CAMK2D	Calcium/Calmodulin Dependent Protein Kinase II Delta	Protein Coding	Q13557	55	GC04M113418	2.507898
PGK1	Phosphoglycerate Kinase 1	Protein Coding	P00558	57	GC0XP078166	2.506584
PPARGC1B	PPARG Coactivator 1 Beta	Protein Coding	Q86YN6	44	GC05P149730	2.506085
ENPEP	Glutamyl Aminopeptidase	Protein Coding	Q07075	55	GC04P110365	2.505631
TRIM26	Tripartite Motif Containing 26	Protein Coding	Q12899	44	GC06M030184	2.505381
LYVE1	Lymphatic Vessel Endothelial Hyaluronan Receptor 1	Protein Coding	Q9Y5Y7	51	GC11M012259	2.501196
SKP1	S-Phase Kinase Associated Protein 1	Protein Coding	P63208	52	GC05M134148	2.500258
ASAH2	N-Acylsphingosine Amidohydrolase 2	Protein Coding	Q9NR71	50	GC10M050182	2.499303
SFXN3	Sideroflexin 3	Protein Coding	Q9BWM7	45	GC10P101031	2.498883
ATOX1	Antioxidant 1 Copper Chaperone	Protein Coding	O00244	50	GC05M151743	2.497554
SHMT2	Serine Hydroxymethyltransferase 2	Protein Coding	P34897	55	GC12P057229	2.496654
NIPA2	NIPA Magnesium Transporter 2	Protein Coding	Q8N8Q9	46	GC15P156527	2.49658
DOT1L	DOT1 Like Histone Lysine Methyltransferase	Protein Coding	Q8TEK3	51	GC19P111904	2.495345
MAPK12	Mitogen-Activated Protein Kinase 12	Protein Coding	P53778	55	GC22M077248	2.491967

CSTA	Cystatin A	Protein Coding	P01040	53	GC03P122325	2.488115
VCPIP1	Valosin Containing Protein Interacting Protein 1	Protein Coding	Q96JH7	45	GC08M066628	2.487733
WNT2	Wnt Family Member 2	Protein Coding	P09544	53	GC07M117346	2.487372
MTO1	Mitochondrial TRNA Translation Optimization 1	Protein Coding	Q9Y2Z2	50	GC06P073461	2.48702
LOXL4	Lysyl Oxidase Like 4	Protein Coding	Q96JB6	51	GC10M098247	2.483498
MIR4485	MicroRNA 4485	RNA Gene		13	GC11M012257	2.482582
LDHB	Lactate Dehydrogenase B	Protein Coding	P07195	50	GC12M021635	2.479519
POMT1	Protein O-Mannosyltransferase 1	Protein Coding	Q9Y6A1	54	GC09P131502	2.479405
HDGF	Heparin Binding Growth Factor	Protein Coding	P51858	47	GC01M161233	2.478417
MT-RNR2	Mitochondrially Encoded 16S RRNA	RNA Gene	Q8IVG9	25	GCMTP000953	2.477838
APOC2	Apolipoprotein C2	Protein Coding	P02655	52	GC19P113254	2.476159
HTR6	5-Hydroxytryptamine Receptor 6	Protein Coding	P50406	50	GC01P041135	2.471459
HSPB3	Heat Shock Protein Family B (Small) Member 3	Protein Coding	Q12988	46	GC05P054758	2.471355
MIR134	MicroRNA 134	RNA Gene		26	GC14P116741	2.471151
TAF6	TATA-Box Binding Protein Associated Factor 6	Protein Coding	P49848	48	GC07M105253	2.471104
TMBIM4	Transmembrane BAX Inhibitor Motif Containing 4	Protein Coding	Q9HC24	42	GC12M066135	2.469294
KCNN3	Potassium Calcium-Activated Channel Subfamily N Member 3	Protein Coding	Q9UGI6	51	GC01M154697	2.469186
SCARNA23	Small Cajal Body-Specific RNA 23	RNA Gene		21	GC0XP024744	2.468375
DUSP10	Dual Specificity Phosphatase 10	Protein Coding	Q9Y6W6	52	GC01M221701	2.467671

MIR487A	MicroRNA 487a	RNA Gene		17	GC14P116767	2.464647
LARGE1	LARGE Xylosyl- And Glucuronyltransferase 1	Protein Coding	O95461	50	GC22M077010	2.457519
PHF21A	PHD Finger Protein 21A	Protein Coding	Q96BD5	52	GC11M124948	2.456314
VPS35L	VPS35 Endosomal Protein Sorting Factor Like	Protein Coding	Q7Z3J2	41	GC16P019555	2.454885
IRAK3	Interleukin 1 Receptor Associated Kinase 3	Protein Coding	Q9Y616	55	GC12P066516	2.45275
ARPC2	Actin Related Protein 2/3 Complex Subunit 2	Protein Coding	O15144	50	GC02P218217	2.452363
SIRPA	Signal Regulatory Protein Alpha	Protein Coding	P78324	53	GC20P001894	2.451945
USP7	Ubiquitin Specific Peptidase 7	Protein Coding	Q93009	57	GC16M008892	2.451769
CYLD	CYLD Lysine 63 Deubiquitinase	Protein Coding	Q9NQC7	56	GC16P050742	2.449359
TRAF3	TNF Receptor Associated Factor 3	Protein Coding	Q13114	55	GC14P115798	2.447659
TNFRSF9	TNF Receptor Superfamily Member 9	Protein Coding	Q07011	53	GC01M007915	2.447463
XRCC6	X-Ray Repair Cross Complementing 6	Protein Coding	P12956	54	GC22P070718	2.443818
CLPB	ClpB Family Mitochondrial Disaggregase	Protein Coding	Q9H078	52	GC11M125649	2.443325
MLYCD	Malonyl-CoA Decarboxylase	Protein Coding	O95822	50	GC16P083899	2.443015
RANBP1	RAN Binding Protein 1	Protein Coding	P43487	50	GC22P020115	2.436197
SH3TC2	SH3 Domain And Tetratricopeptide Repeats 2	Protein Coding	Q8TF17	46	GC05M148923	2.435854
CREB3L1	CAMP Responsive Element Binding Protein 3 Like 1	Protein Coding	Q96BA8	50	GC11P047725	2.435155
ARHGAP45	Rho GTPase Activating Protein 45	Protein	Q92619	45	GC19P001065	2.43357

		Coding				
PLK2	Polo Like Kinase 2	Protein Coding	Q9NYY3	50	GC05M058453	2.433398
ALAD	Aminolevulinate Dehydratase	Protein Coding	P13716	55	GC09M113386	2.432781
PSME4	Proteasome Activator Subunit 4	Protein Coding	Q14997	47	GC02M053864	2.432356
BSCL2	BSCL2 Lipid Droplet Biogenesis Associated, Seipin	Protein Coding	Q96G97	52	GC11M125248	2.431973
M1AP	Meiosis 1 Associated Protein	Protein Coding	Q8TC57	43	GC02M074557	2.431756
TSC22D1	TSC22 Domain Family Member 1	Protein Coding	Q15714	46	GC13M044432	2.431715
MMRN1	Multimerin 1	Protein Coding	Q13201	49	GC04P089879	2.429893
TDRD9	Tudor Domain Containing 9	Protein Coding	Q8NDG6	46	GC14P115811	2.427505
FLVCR1	FLVCR Choline And Heme Transporter 1	Protein Coding	Q9Y5Y0	48	GC01P212858	2.424727
HNRNPC	Heterogeneous Nuclear Ribonucleoprotein C	Protein Coding	P07910	50	GC14M026962	2.424639
ITPK1	Inositol-Tetrakisphosphate 1-Kinase	Protein Coding	Q13572	47	GC14M092936	2.419417
PTAFR	Platelet Activating Factor Receptor	Protein Coding	P25105	51	GC01M028147	2.41629
CLCNKB	Chloride Voltage-Gated Channel Kb	Protein Coding	P51801	51	GC01P040859	2.41604
MCCC2	Methylcrotonyl-CoA Carboxylase Subunit 2	Protein Coding	Q9HCC0	52	GC05P077745	2.413304
MAGEL2	MAGE Family Member L2	Protein Coding	Q9UJ55	47	GC15M023643	2.41203
LRP1B	LDL Receptor Related Protein 1B	Protein Coding	Q9NZR2	47	GC02M140231	2.410737
CDC25C	Cell Division Cycle 25C	Protein	P30307	56	GC05M138285	2.410362

		Coding				
TTLL5	Tubulin Tyrosine Ligase Like 5	Protein Coding	Q6EMB2	47	GC14P075633	2.409973
MIR301B	MicroRNA 301b	RNA Gene		17	GC22P070020	2.409573
KRT6B	Keratin 6B	Protein Coding	P04259	48	GC12M052446	2.409452
SATB2	SATB Homeobox 2	Protein Coding	Q9UPW6	54	GC02M199269	2.407752
LYRM7	LYR Motif Containing 7	Protein Coding	Q5U5X0	46	GC05P131170	2.405895
MIR340	MicroRNA 340	RNA Gene		25	GC05M180015	2.405845
FAU	FAU Ubiquitin Like And Ribosomal Protein S30 Fusion	Protein Coding	P62861	46	GC11M065120	2.405036
MAPKAPK2	MAPK Activated Protein Kinase 2	Protein Coding	P49137	55	GC01P206684	2.402137
KLK3	Kallikrein Related Peptidase 3	Protein Coding	P07288	55	GC19P050854	2.400925
ARSH	Arylsulfatase Family Member H	Protein Coding	Q5FYA8	40	GC0XP003006	2.399961
COQ5	Coenzyme Q5, Methyltransferase	Protein Coding	Q5HYK3	49	GC12M120503	2.398706
HOXA-AS3	HOXA Cluster Antisense RNA 3	RNA Gene		22	GC07P027129	2.398483
XCL1	X-C Motif Chemokine Ligand 1	Protein Coding	P47992	43	GC01P168576	2.398354
CPE	Carboxypeptidase E	Protein Coding	P16870	56	GC04P165361	2.397905
ADH5	Alcohol Dehydrogenase 5 (Class III), Chi Polypeptide	Protein Coding	P11766	54	GC04M099070	2.397543
CCL15	C-C Motif Chemokine Ligand 15	Protein Coding	Q16663	38	GC17M035996	2.397499
RNF130	Ring Finger Protein 130	Protein Coding	Q86XS8	44	GC05M179911	2.397201
CIB1	Calcium And Integrin Binding 1	Protein Coding	Q99828	51	GC15M090229	2.396953

IL17C	Interleukin 17C	Protein Coding	Q9P0M4	43	GC16P088638	2.396725
ADIPOR2	Adiponectin Receptor 2	Protein Coding	Q86V24	50	GC12P001670	2.395278
CYTOR	Cytoskeleton Regulator RNA	RNA Gene		29	GC02P089243	2.390807
HUWE1	HECT, UBA And WWE Domain Containing E3 Ubiquitin Protein Ligase 1	Protein Coding	Q7Z6Z7	55	GC0XM053532	2.390313
CHCHD2	Coiled-Coil-Helix-Coiled-Coil-Helix Domain Containing 2	Protein Coding	Q9Y6H1	48	GC07M056101	2.389093
RHOH	Ras Homolog Family Member H	Protein Coding	Q15669	51	GC04P040222	2.388995
CPOX	Coproporphyrinogen Oxidase	Protein Coding	P36551	53	GC03M098576	2.386364
LAG3	Lymphocyte Activating 3	Protein Coding	P18627	50	GC12P038980	2.385512
HNRNPH2	Heterogeneous Nuclear Ribonucleoprotein H2	Protein Coding	P55795	48	GC0XP101408	2.385454
ASIC3	Acid Sensing Ion Channel Subunit 3	Protein Coding	Q9UHC3	49	GC07P151048	2.384686
FBF1	Fas Binding Factor 1	Protein Coding	Q8TES7	41	GC17M075909	2.38459
SLC22A11	Solute Carrier Family 22 Member 11	Protein Coding	Q9NSA0	49	GC11P088975	2.375047
GRM5	Glutamate Metabotropic Receptor 5	Protein Coding	P41594	56	GC11M088504	2.374965
KIR3DL1	Killer Cell Immunoglobulin Like Receptor, Three Ig Domains And Long Cytoplasmic Tail 1	Protein Coding	P43629	48	GC19P113697	2.369587
DLAT	Dihydrolipoamide S-Acetyltransferase	Protein Coding	P10515	54	GC11P112501	2.366196
POM121L12	POM121 Transmembrane Nucleoporin Like 12	Protein Coding	Q8N7R1	34	GC07P053035	2.364409
FGFR4	Fibroblast Growth Factor Receptor 4	Protein Coding	P22455	60	GC05P177086	2.363341
KRT23	Keratin 23	Protein	Q9C075	41	GC17M040922	2.362705

		Coding				
FEN1	Flap Structure-Specific Endonuclease 1	Protein Coding	P39748	55	GC11P088776	2.360614
TRAP1	TNF Receptor Associated Protein 1	Protein Coding	Q12931	49	GC16M020486	2.359682
SERPINB8	Serpin Family B Member 8	Protein Coding	P50452	50	GC18P063975	2.358089
HGFAC	HGF Activator	Protein Coding	Q04756	51	GC04P004111	2.356654
CUL7	Cullin 7	Protein Coding	Q14999	47	GC06M043037	2.355494
ITGAE	Integrin Subunit Alpha E	Protein Coding	P38570	49	GC17M074588	2.354092
ALOX15	Arachidonate 15-Lipoxygenase	Protein Coding	P16050	54	GC17M004630	2.353705
YWHAZ	Tyrosine 3-Monooxygenase/Tryptophan 5-Monooxygenase Activation Protein Zeta	Protein Coding	P63104	54	GC08M100919	2.352531
WWP2	WW Domain Containing E3 Ubiquitin Protein Ligase 2	Protein Coding	O00308	51	GC16P083015	2.349173
CDCP1	CUB Domain Containing Protein 1	Protein Coding	Q9H5V8	46	GC03M045082	2.347629
NUDT21	Nudix Hydrolase 21	Protein Coding	O43809	43	GC16M056429	2.345509
DCHS1	Dachsous Cadherin-Related 1	Protein Coding	Q96JQ0	45	GC11M006621	2.338726
OSGEP	O-Sialoglycoprotein Endopeptidase	Protein Coding	Q9NPF4	50	GC14M020446	2.33854
MOGS	Mannosyl-Oligosaccharide Glucosidase	Protein Coding	Q13724	51	GC02M074461	2.338244
ESRRA	Estrogen Related Receptor Alpha	Protein Coding	P11474	54	GC11P064305	2.333149
SAT1	Spermidine/Spermine N1-Acetyltransferase 1	Protein Coding	P21673	54	GC0XP023784	2.333072
GPR87	G Protein-Coupled Receptor 87	Protein	Q9BY21	43	GC03M151294	2.331785

		Coding				
COQ2	Coenzyme Q2, Polyprenyltransferase	Protein Coding	Q96H96	50	GC04M083261	2.331269
CTSC	Cathepsin C	Protein Coding	P53634	54	GC11M126004	2.331058
OGDH	Oxoglutarate Dehydrogenase	Protein Coding	Q02218	55	GC07P044606	2.328893
ELOVL6	ELOVL Fatty Acid Elongase 6	Protein Coding	Q9H5J4	44	GC04M110045	2.327971
CATSPER1	Cation Channel Sperm Associated 1	Protein Coding	Q8NEC5	47	GC11M125424	2.327252
MEIOB	Meiosis Specific With OB-Fold	Protein Coding	Q8N635	43	GC16M001833	2.322562
BAG5	BAG Cochaperone 5	Protein Coding	Q9UL15	44	GC14M103556	2.321222
TMBIM6	Transmembrane BAX Inhibitor Motif Containing 6	Protein Coding	P55061	46	GC12P049707	2.319615
ATP13A1	ATPase 13A1	Protein Coding	Q9HD20	46	GC19M019645	2.31881
LUC7L	LUC7 Like	Protein Coding	Q9NQ29	46	GC16M000188	2.318507
SLC29A1	Solute Carrier Family 29 Member 1 (Augustine Blood Group)	Protein Coding	Q99808	56	GC06P044219	2.318403
SF3A2	Splicing Factor 3a Subunit 2	Protein Coding	Q15428	42	GC19P002236	2.315504
HRG	Histidine Rich Glycoprotein	Protein Coding	P04196	52	GC03P186660	2.314881
TUFM	Tu Translation Elongation Factor, Mitochondrial	Protein Coding	P49411	52	GC16M043919	2.314805
NMRAL2P	NmrA Like Redox Sensor 2, Pseudogene	Pseudogene		16	GC03P185961	2.314588
ADAMTS3	ADAM Metallopeptidase With Thrombospondin Type 1 Motif 3	Protein Coding	O15072	49	GC04M072280	2.314139
NT5C2	5'-Nucleotidase, Cytosolic II	Protein Coding	P49902	54	GC10M103088	2.313491

CDK5	Cyclin Dependent Kinase 5	Protein Coding	Q00535	62	GC07M151053	2.312104
TLN2	Talin 2	Protein Coding	Q9Y4G6	47	GC15P062390	2.310095
DGKB	Diacylglycerol Kinase Beta	Protein Coding	Q9Y6T7	48	GC07M014145	2.306942
MAP1LC3A	Microtubule Associated Protein 1 Light Chain 3 Alpha	Protein Coding	Q9H492	48	GC20P034546	2.306842
ARL17A	ADP Ribosylation Factor Like GTPase 17A	Protein Coding	Q8IVW1	35	GC17M046499	2.306172
ATP1A1	ATPase Na+/K+ Transporting Subunit Alpha 1	Protein Coding	P05023	58	GC01P116372	2.305515
LTC4S	Leukotriene C4 Synthase	Protein Coding	Q16873	52	GC05P179793	2.304086
JPX	JPX Transcript, XIST Activator	RNA Gene		24	GC0XP074143	2.300795
H3C12	H3 Clustered Histone 12	Protein Coding	P68431	43	GC06M094903	2.299583
SFRP4	Secreted Frizzled Related Protein 4	Protein Coding	Q6FHJ7	52	GC07M037912	2.299392
B4GAT1	Beta-1,4-Glucuronyltransferase 1	Protein Coding	O43505	45	GC11M066345	2.297335
HNRNPL	Heterogeneous Nuclear Ribonucleoprotein L	Protein Coding	P14866	46	GC19M038836	2.295711
SIRT2	Sirtuin 2	Protein Coding	Q8IXJ6	56	GC19M038878	2.293973
SLCO1B3	Solute Carrier Organic Anion Transporter Family Member 1B3	Protein Coding	Q9NPD5	52	GC12P020810	2.293484
PROM1	Prominin 1	Protein Coding	O43490	55	GC04M015965	2.293273
MRC2	Mannose Receptor C Type 2	Protein Coding	Q9UBG0	50	GC17P062627	2.291167
SRRT	Serrate, RNA Effector Molecule	Protein Coding	Q9BXP5	46	GC07P100875	2.290966
KLHL24	Kelch Like Family Member 24	Protein	Q6TFL4	42	GC03P183635	2.285681

		Coding				
TFF1	Trefoil Factor 1	Protein Coding	P04155	52	GC21M042362	2.283612
SLC25A3	Solute Carrier Family 25 Member 3	Protein Coding	Q00325	51	GC12P098593	2.279558
ADRA2A	Adrenoceptor Alpha 2A	Protein Coding	P08913	55	GC10P111077	2.275462
GSDMA	Gasdermin A	Protein Coding	Q96QA5	41	GC17P112235	2.2728
GTF2H2	General Transcription Factor IIH Subunit 2	Protein Coding	Q13888	45	GC05M078330	2.269831
MST1R	Macrophage Stimulating 1 Receptor	Protein Coding	Q04912	58	GC03M053764	2.269826
DMRT1	Doublesex And Mab-3 Related Transcription Factor 1	Protein Coding	Q9Y5R6	48	GC09P000831	2.269238
ACKR2	Atypical Chemokine Receptor 2	Protein Coding	O00590	48	GC03P042804	2.267239
GALK1	Galactokinase 1	Protein Coding	P51570	56	GC17M075751	2.263052
THORLNC	Testis Associated Oncogenic LncRNA	RNA Gene		15	GC02M118133	2.262638
PGAM5	PGAM Family Member 5, Mitochondrial Serine/Threonine Protein Phosphatase	Protein Coding	Q96HS1	39	GC12P132710	2.261686
ATP2B2	ATPase Plasma Membrane Ca2+ Transporting 2	Protein Coding	Q01814	53	GC03M010324	2.260696
TFE3	Transcription Factor Binding To IGHM Enhancer 3	Protein Coding	P19532	51	GC0XM049028	2.260263
ST6GAL1	ST6 Beta-Galactoside Alpha-2,6-Sialyltransferase 1	Protein Coding	P15907	52	GC03P186930	2.259619
DUSP8	Dual Specificity Phosphatase 8	Protein Coding	Q13202	40	GC11M011888	2.259495
ARSL	Arylsulfatase L	Protein Coding	P51690	48	GC0XM002934	2.258599
ARHGEF2	Rho/Rac Guanine Nucleotide Exchange Factor 2	Protein Coding	Q92974	55	GC01M155946	2.258217

TNFRSF4	TNF Receptor Superfamily Member 4	Protein Coding	P43489	53	GC01M001211	2.25519
RAMP1	Receptor Activity Modifying Protein 1	Protein Coding	O60894	51	GC02P237858	2.252888
LRRC37A	Leucine Rich Repeat Containing 37A	Protein Coding	A6NMS7	39	GC17P112448	2.252079
GNE	Glucosamine (UDP-N-Acetyl)-2-Epimerase/N-Acetylmannosamine Kinase	Protein Coding	Q9Y223	51	GC09M036214	2.25054
GOT1	Glutamic-Oxaloacetic Transaminase 1	Protein Coding	P17174	53	GC10M099396	2.247613
MIR564	MicroRNA 564	RNA Gene		15	GC03P057367	2.246714
TTLL6	Tubulin Tyrosine Ligase Like 6	Protein Coding	Q8N841	43	GC17M078160	2.243208
EIF4EBP1	Eukaryotic Translation Initiation Factor 4E Binding Protein 1	Protein Coding	Q13541	54	GC08P039851	2.242748
MPP2	MAGUK P55 Scaffold Protein 2	Protein Coding	Q14168	44	GC17M043875	2.24191
INSL3	Insulin Like 3	Protein Coding	P51460	48	GC19M017816	2.241904
LOC126806430	BRD4-Independent Group 4 Enhancer GRCh37_chr2:179593794-179594993	Functional Element		8	GC02P178731	2.241305
TIGD2	Tigger Transposable Element Derived 2	Protein Coding	Q4W5G0	39	GC04P089126	2.240712
MCU	Mitochondrial Calcium Uniporter	Protein Coding	Q8NE86	47	GC10P072692	2.234678
SERPINA7	Serpin Family A Member 7	Protein Coding	P05543	50	GC0XM106032	2.232361
RNF212	Ring Finger Protein 212	Protein Coding	Q495C1	45	GC04M004803	2.229688
MBTPS2	Membrane Bound Transcription Factor Peptidase, Site 2	Protein Coding	O43462	50	GC0XP021839	2.228315
ATP8B2	ATPase Phospholipid Transporting 8B2	Protein Coding	P98198	46	GC01P154325	2.227816
ALDH1A1	Aldehyde Dehydrogenase 1 Family Member A1	Protein	P00352	56	GC09M072900	2.225755

		Coding				
CLOCK	Clock Circadian Regulator	Protein Coding	O15516	53	GC04M055427	2.22487
IGFBP4	Insulin Like Growth Factor Binding Protein 4	Protein Coding	P22692	52	GC17P040443	2.224118
ADRA2C	Adrenoceptor Alpha 2C	Protein Coding	P18825	53	GC04P003766	2.223511
PLEKHG6	Pleckstrin Homology And RhoGEF Domain Containing G6	Protein Coding	Q3KR16	43	GC12P006310	2.222674
CASK	Calcium/Calmodulin Dependent Serine Protein Kinase	Protein Coding	O14936	58	GC0XM041514	2.222209
MYOM3	Myomesin 3	Protein Coding	Q5VTT5	41	GC01M024056	2.219593
NDUFAB1	NADH:Ubiquinone Oxidoreductase Subunit AB1	Protein Coding	O14561	49	GC16M025408	2.216095
CAPZB	Capping Actin Protein Of Muscle Z-Line Subunit Beta	Protein Coding	P47756	48	GC01M019340	2.214408
GRK7	G Protein-Coupled Receptor Kinase 7	Protein Coding	Q8WTQ7	47	GC03P141765	2.212963
SIGMAR1	Sigma Non-Opioid Intracellular Receptor 1	Protein Coding	Q99720	55	GC09M034634	2.212463
ZKSCAN1	Zinc Finger With KRAB And SCAN Domains 1	Protein Coding	P17029	41	GC07P100015	2.210603
GJA8	Gap Junction Protein Alpha 8	Protein Coding	P48165	53	GC01P147902	2.20778
PDE3B	Phosphodiesterase 3B	Protein Coding	Q13370	52	GC11P014643	2.207727
FIBP	FGF1 Intracellular Binding Protein	Protein Coding	O43427	50	GC11M125411	2.206529
PDIA6	Protein Disulfide Isomerase Family A Member 6	Protein Coding	Q15084	43	GC02M010784	2.204862
NT5C1A	5'-Nucleotidase, Cytosolic IA	Protein Coding	Q9BXI3	46	GC01M039672	2.204832
AAAS	Aladin WD Repeat Nucleoporin	Protein	Q9NRG9	49	GC12M053307	2.20428

		Coding				
COL6A5	Collagen Type VI Alpha 5 Chain	Protein Coding	A8TX70	43	GC03P130345	2.204123
GALNT17	Polypeptide N-Acetylgalactosaminyltransferase 17	Protein Coding	Q6IS24	47	GC07P086115	2.202493
SPTLC1	Serine Palmitoyltransferase Long Chain Base Subunit 1	Protein Coding	O15269	54	GC09M109404	2.19461
PRKCI	Protein Kinase C Iota	Protein Coding	P41743	54	GC03P170222	2.194534
RGS9	Regulator Of G Protein Signaling 9	Protein Coding	O75916	50	GC17P112929	2.193883
ONECUT1	One Cut Homeobox 1	Protein Coding	Q9UBC0	49	GC15M147855	2.191582
CCT2	Chaperonin Containing TCP1 Subunit 2	Protein Coding	P78371	49	GC12P069585	2.188031
RNY5	RNA, Ro60-Associated Y5	RNA Gene		17	GC07P148941	2.187355
SPATA16	Spermatogenesis Associated 16	Protein Coding	Q9BXB7	44	GC03M172889	2.185104
ANKH	ANKH Inorganic Pyrophosphate Transport Regulator	Protein Coding	Q9HCJ1	48	GC05M014814	2.184163
TRIM72	Tripartite Motif Containing 72	Protein Coding	Q6ZMU5	43	GC16P081705	2.179935
RMST	Rhabdomyosarcoma 2 Associated Transcript	RNA Gene		29	GC12P097431	2.179496
UCHL5	Ubiquitin C-Terminal Hydrolase L5	Protein Coding	Q9Y5K5	48	GC01M193012	2.179318
ZNF365	Zinc Finger Protein 365	Protein Coding	Q70YC4	46	GC10P062374	2.177693
KBTBD13	Kelch Repeat And BTB Domain Containing 13	Protein Coding	C9JR72	40	GC15P157663	2.17336
TWNK	Twinkle MtDNA Helicase	Protein Coding	Q96RR1	50	GC10P109747	2.171683
DAPK3	Death Associated Protein Kinase 3	Protein Coding	O43293	51	GC19M003958	2.1692
TAF1A	TATA-Box Binding Protein Associated Factor,	Protein	Q15573	40	GC01M226469	2.168994

	RNA Polymerase I Subunit A	Coding				
DECR1	2,4-Dienoyl-CoA Reductase 1	Protein Coding	Q16698	47	GC08P090001	2.168829
MIR4286	MicroRNA 4286	RNA Gene		19	GC08P010666	2.166268
TNFRSF25	TNF Receptor Superfamily Member 25	Protein Coding	Q93038	51	GC01M006460	2.166188
ATP6V1F	ATPase H+ Transporting V1 Subunit F	Protein Coding	Q16864	46	GC07P128862	2.165277
NEUROD1	Neuronal Differentiation 1	Protein Coding	Q13562	52	GC02M181673	2.164991
MYL6	Myosin Light Chain 6	Protein Coding	P60660	47	GC12P056158	2.163908
SYCE1	Synaptonemal Complex Central Element Protein 1	Protein Coding	Q8N0S2	46	GC10M133553	2.16218
RCE1	Ras Converting CAAX Endopeptidase 1	Protein Coding	Q9Y256	45	GC11P066842	2.161846
HBZ	Hemoglobin Subunit Zeta	Protein Coding	P02008	46	GC16P000142	2.161535
ARL17B	ADP Ribosylation Factor Like GTPase 17B	Protein Coding	Q8IVW1	34	GC17M077978	2.159615
PPP2R2B	Protein Phosphatase 2 Regulatory Subunit Bbeta	Protein Coding	Q00005	53	GC05M146582	2.158917
NR1D1	Nuclear Receptor Subfamily 1 Group D Member 1	Protein Coding	P20393	54	GC17M040092	2.157409
CHM	CHM Rab Escort Protein	Protein Coding	P24386	50	GC0XM085861	2.155898
CSH1	Chorionic Somatomammotropin Hormone 1	Protein Coding	P0DML2	45	GC17M063894	2.15457
UBE2I	Ubiquitin Conjugating Enzyme E2 I	Protein Coding	P63279	56	GC16P080184	2.152655
MFNG	MFNG O-Fucosylpeptide 3-Beta-N-Acetylglucosaminyltransferase	Protein Coding	O00587	48	GC22M037469	2.147117
UCN	Urocortin	Protein Coding	P55089	46	GC02M027308	2.146486

AMN	Amnion Associated Transmembrane Protein	Protein Coding	Q9BXJ7	48	GC14P102922	2.146273
ABCB5	ATP Binding Cassette Subfamily B Member 5	Protein Coding	Q2M3G0	51	GC07P020615	2.145785
RAB5B	RAB5B, Member RAS Oncogene Family	Protein Coding	P61020	45	GC12P055973	2.144413
SELPLG	Selectin P Ligand	Protein Coding	Q14242	53	GC12M108621	2.144286
PEX26	Peroxisomal Biogenesis Factor 26	Protein Coding	Q7Z412	48	GC22P069880	2.143726
TGFB1I1	Transforming Growth Factor Beta 1 Induced Transcript 1	Protein Coding	O43294	51	GC16P081734	2.139243
UCHL3	Ubiquitin C-Terminal Hydrolase L3	Protein Coding	P15374	51	GC13P075569	2.134835
HLA-DMA	Major Histocompatibility Complex, Class II, DM Alpha	Protein Coding	P28067	48	GC06M093855	2.134723
KRT16	Keratin 16	Protein Coding	P08779	51	GC17M041609	2.1331
LGR4	Leucine Rich Repeat Containing G Protein-Coupled Receptor 4	Protein Coding	Q9BXB1	48	GC11M027365	2.129668
DNAH14	Dynein Axonemal Heavy Chain 14	Protein Coding	Q0VDD8	39	GC01P224896	2.129278
IQGAP1	IQ Motif Containing GTPase Activating Protein 1	Protein Coding	P46940	52	GC15P090388	2.129085
TRMU	TRNA Mitochondrial 2-Thiouridylase	Protein Coding	O75648	47	GC22P046330	2.127178
PLA2G1B	Phospholipase A2 Group IB	Protein Coding	P04054	51	GC12M120322	2.12593
FERMT1	FERM Domain Containing Kindlin 1	Protein Coding	Q9BQL6	51	GC20M006074	2.125907
CSNK1G2	Casein Kinase 1 Gamma 2	Protein Coding	P78368	51	GC19P001941	2.125329
GRIN3B	Glutamate Ionotropic Receptor NMDA Type Subunit 3B	Protein Coding	O60391	50	GC19P001000	2.125329

MED16	Mediator Complex Subunit 16	Protein Coding	Q9Y2X0	41	GC19M091657	2.125329
SBNO2	Strawberry Notch Homolog 2	Protein Coding	Q9Y2G9	40	GC19M001107	2.125329
RNF126	Ring Finger Protein 126	Protein Coding	Q9BV68	39	GC19M000647	2.125329
TMEM259	Transmembrane Protein 259	Protein Coding	Q4ZIN3	37	GC19M091667	2.125329
FAM174C	Family With Sequence Similarity 174 Member C	Protein Coding	Q9BVV8	31	GC19P111857	2.125329
LOC100288123	Uncharacterized LOC100288123	RNA Gene		14	GC19P001822	2.125329
ENSG00000267317	Novel Transcript, Antisense To APC2	RNA Gene		9	GC19M091685	2.125329
SNRPEP4	SNRPE Pseudogene 4	Pseudogene		9	GC19M091854	2.125329
DYNLL1	Dynein Light Chain LC8-Type 1	Protein Coding	P63167	51	GC12P120469	2.123493
LINC01505	Long Intergenic Non-Protein Coding RNA 1505	RNA Gene		18	GC09P105576	2.123459
BTRC	Beta-Transducin Repeat Containing E3 Ubiquitin Protein Ligase	Protein Coding	Q9Y297	53	GC10P101354	2.123396
COL9A3	Collagen Type IX Alpha 3 Chain	Protein Coding	Q14050	52	GC20P062816	2.1219
POLR3K	RNA Polymerase III Subunit K	Protein Coding	Q9Y2Y1	49	GC16M000046	2.121497
DIDO1	Death Inducer-Obliterator 1	Protein Coding	Q9BTC0	45	GC20M062877	2.121497
UCKL1	Uridine-Cytidine Kinase 1 Like 1	Protein Coding	Q9NWZ5	44	GC20M063939	2.121497
RAB11FIP3	RAB11 Family Interacting Protein 3	Protein Coding	O75154	43	GC16P000425	2.121497
LIME1	Lck Interacting Transmembrane Adaptor 1	Protein Coding	Q9H400	40	GC20P066995	2.121497
ACTRT3	Actin Related Protein T3	Protein Coding	Q9BYD9	36	GC03M169766	2.121497
MIR647	MicroRNA 647	RNA Gene		15	GC20M063942	2.121497

STUB1-DT	STUB1 Divergent Transcript	Pseudogene		14	GC16M025271	2.121497
LINC02883	Long Intergenic Non-Protein Coding RNA 2883	RNA Gene		13	GC15M149333	2.121497
TOLLIP-DT	TOLLIP Divergent Transcript	RNA Gene		13	GC11P001309	2.121497
ENSG00000259762	Novel Transcript, Antisense To AKAP13	RNA Gene		10	GC15M148565	2.121497
ENSG00000262528	Novel Transcript, Antisense To WDR90	RNA Gene		10	GC16M000654	2.121497
ENSG00000228779	Novel Transcript	RNA Gene		9	GC16P000125	2.121497
ENSG00000259407	Novel Transcript, Antisense To AKAP13	RNA Gene		9	GC15M148563	2.121497
ENSG00000269482	Novel Transcript, Antisense To NPRL3	RNA Gene		9	GC16P080146	2.121497
ENSG00000260803	Novel Transcript	RNA Gene		8	GC16M000070	2.121497
ENSG00000289744	Novel Transcript	RNA Gene		8	GC10M104159	2.121497
CM034961-013		RNA Gene		5	GC11P011209	2.121497
RF00017-7367		RNA Gene		5	GC08P119756	2.121497
lnc-MOB2-2		RNA Gene		5	GC11M001290	2.121497
piR-57628		RNA Gene		5	GC11M011866	2.121497
piR-60314		RNA Gene		5	GC10M104180	2.121497
CM034973-002		RNA Gene		4	GC16P080136	2.121497
HSALNG0025580		RNA Gene		4	GC03M044860	2.121497
RF00017-7371		RNA Gene		3	GC08P119949	2.121497
piR-40154-193		RNA Gene		3	GC08M119917	2.121497
PIGY	Phosphatidylinositol Glycan Anchor Biosynthesis Class Y	Protein Coding	Q3MUY2	42	GC04M088520	2.1212
KLB	Klotho Beta	Protein Coding	Q86Z14	48	GC04P039408	2.121044
LPAR2	Lysophosphatidic Acid Receptor 2	Protein Coding	Q9HBW0	51	GC19M092464	2.1149
TTF2	Transcription Termination Factor 2	Protein Coding	Q9UNY4	48	GC01P117060	2.114367
SYNPO2L	Synaptopodin 2 Like	Protein Coding	Q9H987	43	GC10M073644	2.114249
RHOB	Ras Homolog Family Member B	Protein Coding	P62745	53	GC02P020447	2.112133

SMN1	Survival Of Motor Neuron 1, Telomeric	Protein Coding	Q16637	48	GC05P070924	2.110278
RNF7	Ring Finger Protein 7	Protein Coding	Q9UBF6	46	GC03P141738	2.109233
AHCYL2	Adenosylhomocysteinase Like 2	Protein Coding	Q96HN2	45	GC07P129225	2.107649
EEF1A1	Eukaryotic Translation Elongation Factor 1 Alpha 1	Protein Coding	P68104	52	GC06M094314	2.105827
PSMC1	Proteasome 26S Subunit, ATPase 1	Protein Coding	P62191	51	GC14P090256	2.100963
RAB18	RAB18, Member RAS Oncogene Family	Protein Coding	Q9NP72	47	GC10P027504	2.097756
SRSF6	Serine And Arginine Rich Splicing Factor 6	Protein Coding	Q13247	49	GC20P043457	2.096982
GUF1	GTP Binding Elongation Factor GUF1	Protein Coding	Q8N442	46	GC04P044719	2.094496
POGZ	Pogo Transposable Element Derived With ZNF Domain	Protein Coding	Q7Z3K3	50	GC01M151402	2.094252
NORAD	Non-Coding RNA Activated By DNA Damage	RNA Gene		25	GC20M036462	2.092743
MIR636	MicroRNA 636	RNA Gene		16	GC17M076736	2.090315
HEXA	Hexosaminidase Subunit Alpha	Protein Coding	P06865	55	GC15M072340	2.089957
DPAGT1	Dolichyl-Phosphate N-Acetylglucosaminephosphotransferase 1	Protein Coding	Q9H3H5	53	GC11M126559	2.089593
SEMA4F	Ssemaphorin 4F	Protein Coding	O95754	45	GC02P074654	2.086491
ALDH1B1	Aldehyde Dehydrogenase 1 Family Member B1	Protein Coding	P30837	50	GC09P038392	2.077695
NUDT1	Nudix Hydrolase 1	Protein Coding	P36639	51	GC07P002242	2.075092
RFWD3	Ring Finger And WD Repeat Domain 3	Protein Coding	Q6PCD5	48	GC16M074621	2.074159
YARS2	Tyrosyl-TRNA Synthetase 2	Protein Coding	Q9Y2Z4	52	GC12M032873	2.072838

NOS1AP	Nitric Oxide Synthase 1 Adaptor Protein	Protein Coding	O75052	47	GC01P162069	2.070531
SMARCC2	SWI/SNF Related, Matrix Associated, Actin Dependent Regulator Of Chromatin Subfamily C Member 2	Protein Coding	Q8TAQ2	51	GC12M059260	2.070218
MAD2L2	Mitotic Arrest Deficient 2 Like 2	Protein Coding	Q9UI95	51	GC01M011658	2.070146
WNT2B	Wnt Family Member 2B	Protein Coding	Q93097	53	GC01P112466	2.069163
RTF1	RTF1 Homolog, Paf1/RNA Polymerase II Complex Component	Protein Coding	Q92541	43	GC15P157137	2.067523
ITPA	Inosine Triphosphatase	Protein Coding	Q9BY32	55	GC20P008156	2.066932
ATP8B4	ATPase Phospholipid Transporting 8B4 (Putative)	Protein Coding	Q8TF62	43	GC15M049858	2.065153
PEX19	Peroxisomal Biogenesis Factor 19	Protein Coding	P40855	52	GC01M160276	2.06274
ADD3	Adducin 3	Protein Coding	Q9UEY8	51	GC10P109996	2.061629
SLX1A	SLX1 Homolog A, Structure-Specific Endonuclease Subunit	Protein Coding	Q9BQ83	37	GC16P081587	2.058526
LOC110121486	VISTA Enhancer Hs2143	Functional Element		9	GC10P086684	2.057469
MT-TL2	Mitochondrially Encoded TRNA-Leu (CUN) 2	RNA Gene		19	GCMTP012268	2.057229
CTNND2	Catenin Delta 2	Protein Coding	Q9UQB3	51	GC05M010971	2.055871
COL12A1	Collagen Type XII Alpha 1 Chain	Protein Coding	Q99715	49	GC06M075084	2.049265
RABL2A	RAB, Member Of RAS Oncogene Family Like 2A	Protein Coding	Q9UBK7	41	GC02P113627	2.049169
TRPM6	Transient Receptor Potential Cation Channel Subfamily M Member 6	Protein Coding	Q9BX84	53	GC09M074725	2.048217
IMPG2	Interphotoreceptor Matrix Proteoglycan 2	Protein Coding	Q9BZV3	47	GC03M101222	2.047427
MIR331	MicroRNA 331	RNA Gene		27	GC12P095308	2.046147

HSPB6	Heat Shock Protein Family B (Small) Member 6	Protein Coding	O14558	45	GC19M092724	2.04555
KRT17	Keratin 17	Protein Coding	Q04695	53	GC17M041619	2.043595
MIR363	MicroRNA 363	RNA Gene		23	GC0XM134448	2.043578
AMHR2	Anti-Mullerian Hormone Receptor Type 2	Protein Coding	Q16671	55	GC12P053423	2.041974
SEC16A	SEC16 Homolog A, Endoplasmic Reticulum Export Factor	Protein Coding	O15027	43	GC09M136440	2.041387
PCMT1	Protein-L-Isoaspartate (D-Aspartate) O-Methyltransferase	Protein Coding	P22061	47	GC06P149749	2.040953
PRMT1	Protein Arginine Methyltransferase 1	Protein Coding	Q99873	56	GC19P049675	2.040832
MIR202	MicroRNA 202	RNA Gene		26	GC10M133247	2.040678
FCER1A	Fc Epsilon Receptor Ia	Protein Coding	P12319	52	GC01P159283	2.038641
INPP5D	Inositol Polyphosphate-5-Phosphatase D	Protein Coding	Q92835	52	GC02P233059	2.033606
SRD5A1	Steroid 5 Alpha-Reductase 1	Protein Coding	P18405	52	GC05P006633	2.029687
RBMS3	RNA Binding Motif Single Stranded Interacting Protein 3	Protein Coding	Q6XE24	42	GC03P028575	2.025694
ZNRF3	Zinc And Ring Finger 3	Protein Coding	Q9ULT6	44	GC22P028883	2.024071
RICTOR	RPTOR Independent Companion Of MTOR Complex 2	Protein Coding	Q6R327	51	GC05M038937	2.023428
IARS2	Isoleucyl-TRNA Synthetase 2, Mitochondrial	Protein Coding	Q9NSE4	50	GC01P220094	2.021119
COPB2	COPI Coat Complex Subunit Beta 2	Protein Coding	P35606	52	GC03M139355	2.019839
DLD	Dihydrolipoamide Dehydrogenase	Protein Coding	P09622	56	GC07P107906	2.018282
PTGDR	Prostaglandin D2 Receptor	Protein Coding	Q13258	55	GC14P052267	2.015105

MIR1343	MicroRNA 1343	RNA Gene		15	GC11P034964	2.009266
SLC30A10	Solute Carrier Family 30 Member 10	Protein Coding	Q6XR72	50	GC01M219685	2.008938
RAB29	RAB29, Member RAS Oncogene Family	Protein Coding	O14966	43	GC01M205768	2.008792
RAN	RAN, Member RAS Oncogene Family	Protein Coding	P62826	52	GC12P133472	2.007239
IFI44L	Interferon Induced Protein 44 Like	Protein Coding	Q53G44	41	GC01P078619	2.007082
MAST2	Microtubule Associated Serine/Threonine Kinase 2	Protein Coding	Q6P0Q8	44	GC01P045786	2.006038
PRKAR1B	Protein Kinase CAMP-Dependent Type I Regulatory Subunit Beta	Protein Coding	P31321	55	GC07M000549	2.004563
FA2H	Fatty Acid 2-Hydroxylase	Protein Coding	Q7L5A8	53	GC16M074712	2.003602
IDE	Insulin Degrading Enzyme	Protein Coding	P14735	57	GC10M092451	2.003047
ANGPTL2	Angiopoietin Like 2	Protein Coding	Q9UKU9	43	GC09M127087	1.996259
SHANK2	SH3 And Multiple Ankyrin Repeat Domains 2	Protein Coding	Q9UPX8	51	GC11M070467	1.995269
LSM8	LSM8 Homolog, U6 Small Nuclear RNA Associated	Protein Coding	O95777	40	GC07P118184	1.995081
TEN1	TEN1 Subunit Of CST Complex	Protein Coding	Q86WV5	37	GC17P113155	1.99479
RPS10	Ribosomal Protein S10	Protein Coding	P46783	52	GC06M093918	1.993113
RPL26	Ribosomal Protein L26	Protein Coding	P61254	51	GC17M008377	1.993113
SDC2	Syndecan 2	Protein Coding	P34741	51	GC08P096499	1.993085
EIF3A	Eukaryotic Translation Initiation Factor 3 Subunit A	Protein Coding	Q14152	52	GC10M119034	1.993031
PLCH1	Phospholipase C Eta 1	Protein	Q4KWH8	48	GC03M155381	1.991946

		Coding				
CFB	Complement Factor B	Protein Coding	P00751	55	GC06P031945	1.989971
CEP89	Centrosomal Protein 89	Protein Coding	Q96ST8	43	GC19M092648	1.988049
CH25H	Cholesterol 25-Hydroxylase	Protein Coding	O95992	46	GC10M089205	1.987761
MIR129-1	MicroRNA 129-1	RNA Gene		24	GC07P128207	1.987093
GAP43	Growth Associated Protein 43	Protein Coding	P17677	52	GC03P115623	1.985706
ASPH	Aspartate Beta-Hydroxylase	Protein Coding	Q12797	51	GC08M061500	1.985228
GPC1	Glypican 1	Protein Coding	P35052	51	GC02P240435	1.980263
PCOLCE	Procollagen C-Endopeptidase Enhancer	Protein Coding	Q15113	45	GC07P100602	1.976577
SERPINA4	Serpin Family A Member 4	Protein Coding	P29622	48	GC14P094561	1.976171
STAU1	Staufen Double-Stranded RNA Binding Protein 1	Protein Coding	O95793	47	GC20M049113	1.973246
ASZ1	Ankyrin Repeat, SAM And Basic Leucine Zipper Domain Containing 1	Protein Coding	Q8WWH4	44	GC07M117363	1.973069
GDF5	Growth Differentiation Factor 5	Protein Coding	P43026	54	GC20M035433	1.96829
DDX3Y	DEAD-Box Helicase 3 Y-Linked	Protein Coding	O15523	49	GC0YP012903	1.965782
SYT7	Synaptotagmin 7	Protein Coding	O43581	46	GC11M061513	1.95851
DIS3L2	DIS3 Like 3'-5' Exoribonuclease 2	Protein Coding	Q8IYB7	51	GC02P231961	1.958385
MFF	Mitochondrial Fission Factor	Protein Coding	Q9GZY8	47	GC02P227325	1.95759
CENPS	Centromere Protein S	Protein Coding	Q8N2Z9	45	GC01P039607	1.95538

HEXB	Hexosaminidase Subunit Beta	Protein Coding	P07686	55	GC05P074640	1.952754
LOC126806429	BRD4-Independent Group 4 Enhancer GRCh37_chr2:179591393-179592592	Functional Element		5	GC02P178726	1.952567
AURKC	Aurora Kinase C	Protein Coding	Q9UQB9	55	GC19P113781	1.951689
MIR663A	MicroRNA 663a	RNA Gene		22	GC20M026208	1.950563
GLCCI1	Glucocorticoid Induced 1	Protein Coding	Q86VQ1	45	GC07P011664	1.949973
NAP1L5	Nucleosome Assembly Protein 1 Like 5	Protein Coding	Q96NT1	43	GC04M088695	1.949969
ERCC6L2	ERCC Excision Repair 6 Like 2	Protein Coding	Q5T890	47	GC09P095871	1.948268
MIR124-1HG	MIR124-1 Host Gene	RNA Gene		22	GC08M010459	1.944267
FUT4	Fucosyltransferase 4	Protein Coding	P22083	47	GC11P094544	1.942563
ENSG00000286275	Novel Transcript	RNA Gene		5	GC11P001218	1.941656
HSALNG0082083		RNA Gene		4	GC11M001219	1.941656
MMAA	Metabolism Of Cobalamin Associated A	Protein Coding	Q8IVH4	47	GC04P145637	1.939484
STK17A	Serine/Threonine Kinase 17a	Protein Coding	Q9UEE5	43	GC07P043582	1.937715
HTRA2	HtrA Serine Peptidase 2	Protein Coding	O43464	55	GC02P074529	1.937492
CMKLR1	Chemerin Chemokine-Like Receptor 1	Protein Coding	Q99788	46	GC12M108288	1.932317
CSE1L	Chromosome Segregation 1 Like	Protein Coding	P55060	48	GC20P049046	1.930609
SNHG17	Small Nucleolar RNA Host Gene 17	RNA Gene		24	GC20M038883	1.92746
ACLY	ATP Citrate Lyase	Protein Coding	P53396	53	GC17M041866	1.926105
SSR1	Signal Sequence Receptor Subunit 1	Protein Coding	P43307	46	GC06M007268	1.924541

MELTF	Melanotransferrin	Protein Coding	P08582	49	GC03M196980	1.919893
TAPBP	TAP Binding Protein	Protein Coding	O15533	51	GC06M033299	1.915553
ANGPTL4	Angiopoietin Like 4	Protein Coding	Q9BY76	53	GC19P008363	1.9152
LOC129935185	ATAC-STARR-Seq Lymphoblastoid Active Region 16810	Functional Element		8	GC02P178533	1.915045
LOC129935186	ATAC-STARR-Seq Lymphoblastoid Active Region 16811	Functional Element		8	GC02P178543	1.915045
COX4I1	Cytochrome C Oxidase Subunit 4I1	Protein Coding	P13073	53	GC16P085798	1.914258
KLK1	Kallikrein 1	Protein Coding	P06870	55	GC19M050819	1.913634
UROS	Uroporphyrinogen III Synthase	Protein Coding	P10746	51	GC10M125784	1.912562
MIR760	MicroRNA 760	RNA Gene		18	GC01P093846	1.909716
AK4	Adenylate Kinase 4	Protein Coding	P27144	46	GC01P065147	1.908595
RNU2-1	RNA, U2 Small Nuclear 1	RNA Gene		13	GC17M043233	1.904744
GPRIN3	GPRIN Family Member 3	Protein Coding	Q6ZVF9	39	GC04M089236	1.904612
RHBDF1	Rhomboid 5 Homolog 1	Protein Coding	Q96CC6	45	GC16M000058	1.90147
LAIR1	Leukocyte Associated Immunoglobulin Like Receptor 1	Protein Coding	Q6GTX8	50	GC19M054351	1.897675
XPO5	Exportin 5	Protein Coding	Q9HAV4	47	GC06M043522	1.896091
IGF2BP3	Insulin Like Growth Factor 2 MRNA Binding Protein 3	Protein Coding	O00425	50	GC07M023599	1.890007
CSN1S1	Casein Alpha S1	Protein Coding	P47710	45	GC04P070027	1.886551
DOCK5	Dedicator Of Cytokinesis 5	Protein Coding	Q9H7D0	44	GC08P025184	1.885149

SEPT5-GP1BB	SEPT5-GP1BB Readthrough	RNA Gene		18	GC22P019717	1.882895
BMERB1	BMERB Domain Containing 1	Protein Coding	Q96MC5	39	GC16P015434	1.877973
GRIN2B	Glutamate Ionotropic Receptor NMDA Type Subunit 2B	Protein Coding	Q13224	61	GC12M013437	1.876378
DUSP5	Dual Specificity Phosphatase 5	Protein Coding	Q16690	46	GC10P110497	1.875761
SFRP1	Secreted Frizzled Related Protein 1	Protein Coding	Q8N474	52	GC08M041262	1.875314
EFS	Embryonal Fyn-Associated Substrate	Protein Coding	O43281	43	GC14M023356	1.873698
HSD3B1	Hydroxy-Delta-5-Steroid Dehydrogenase, 3 Beta- And Steroid Delta-Isomerase 1	Protein Coding	P14060	52	GC01P119507	1.871576
MYO18B	Myosin XVIIIB	Protein Coding	Q8IUG5	46	GC22P025742	1.866055
VAV1	Vav Guanine Nucleotide Exchange Factor 1	Protein Coding	P15498	53	GC19P006772	1.86547
CLC	Charcot-Leyden Crystal Galectin	Protein Coding	Q05315	48	GC19M092756	1.86115
NABP1	Nucleic Acid Binding Protein 1	Protein Coding	Q96AH0	40	GC02P191678	1.860444
ACSS3	Acyl-CoA Synthetase Short Chain Family Member 3	Protein Coding	Q9H6R3	45	GC12P080936	1.858517
TRNT1	TRNA Nucleotidyl Transferase 1	Protein Coding	Q96Q11	50	GC03P003126	1.857809
LGR6	Leucine Rich Repeat Containing G Protein-Coupled Receptor 6	Protein Coding	Q9HBX8	48	GC01P202193	1.852737
XRCC2	X-Ray Repair Cross Complementing 2	Protein Coding	O43543	50	GC07M152644	1.852235
TMTC3	Transmembrane O-Mannosyltransferase Targeting Cadherins 3	Protein Coding	Q6ZXV5	44	GC12P088142	1.850725
SLC9A6	Solute Carrier Family 9 Member A6	Protein Coding	Q92581	54	GC0XP135985	1.850081
AKR1B1	Aldo-Keto Reductase Family 1 Member B	Protein	P15121	56	GC07M134442	1.84673

		Coding				
ADRA2B	Adrenoceptor Alpha 2B	Protein Coding	P18089	51	GC02M096112	1.846107
LAMC1	Laminin Subunit Gamma 1	Protein Coding	P11047	51	GC01P183023	1.84491
H3-3B	H3.3 Histone B	Protein Coding	P84243	49	GC17M082395	1.840462
H3C13	H3 Clustered Histone 13	Protein Coding	Q71DI3	42	GC01M160718	1.840462
SEMA3B	Semaphorin 3B	Protein Coding	Q13214	48	GC03P050267	1.840233
MIR1248	MicroRNA 1248	RNA Gene		16	GC03P187622	1.840056
TSG101	Tumor Susceptibility 101	Protein Coding	Q99816	53	GC11M018468	1.837741
FRAXA	Fragile Site, Folic Acid Type, Rare, Fra(X)(Q27.3) A	Functional Element		15	GC0XP148001	1.837092
TRIM5	Tripartite Motif Containing 5	Protein Coding	Q9C035	51	GC11M012059	1.836887
HSALNG0035775		RNA Gene		4	GC04M088981	1.836225
lnc-NAP1L5-4		RNA Gene		4	GC04M088855	1.836225
SMCHD1	Structural Maintenance Of Chromosomes Flexible Hinge Domain Containing 1	Protein Coding	A6NHR9	49	GC18P002655	1.835056
SPO11	SPO11 Initiator Of Meiotic Double Strand Breaks	Protein Coding	Q9Y5K1	47	GC20P057329	1.833818
UBB	Ubiquitin B	Protein Coding	P0CG47	53	GC17P016380	1.833468
FUS	FUS RNA Binding Protein	Protein Coding	P35637	54	GC16P031180	1.832593
PDGFD	Platelet Derived Growth Factor D	Protein Coding	Q9GZP0	50	GC11M103907	1.829881
HHAT	Hedgehog Acyltransferase	Protein Coding	Q5VTY9	47	GC01P210328	1.829242
PPP1R15A	Protein Phosphatase 1 Regulatory Subunit 15A	Protein Coding	O75807	47	GC19P048872	1.828142

HAS2-AS1	HAS2 Antisense RNA 1	RNA Gene		22	GC08P121639	1.827423
MPZ	Myelin Protein Zero	Protein Coding	P25189	52	GC01M161345	1.826991
MYDGF	Myeloid Derived Growth Factor	Protein Coding	Q969H8	42	GC19M004641	1.824199
ADSS2	Adenylosuccinate Synthase 2	Protein Coding	P30520	50	GC01M244512	1.822841
LPAR6	Lysophosphatidic Acid Receptor 6	Protein Coding	P43657	51	GC13M048389	1.822151
UBE2D1	Ubiquitin Conjugating Enzyme E2 D1	Protein Coding	P51668	53	GC10P058334	1.821949
JUND	JunD Proto-Oncogene, AP-1 Transcription Factor Subunit	Protein Coding	P17535	51	GC19M018279	1.821781
AMBN	Ameloblastin	Protein Coding	Q9NP70	47	GC04P070593	1.820608
TNS3	Tensin 3	Protein Coding	Q68CZ2	44	GC07M047281	1.818952
CCNE2	Cyclin E2	Protein Coding	O96020	50	GC08M094879	1.818182
GCK	Glucokinase	Protein Coding	P35557	58	GC07M045340	1.818028
METAP2	Methionyl Aminopeptidase 2	Protein Coding	P50579	53	GC12P095473	1.817821
EDA	Ectodysplasin A	Protein Coding	Q92838	51	GC0XP069618	1.817337
TASL	TLR Adaptor Interacting With Endolysosomal SLC15A4	Protein Coding	Q9HAI6	36	GC0XM030559	1.814505
CCNG2	Cyclin G2	Protein Coding	Q16589	43	GC04P077158	1.809522
YJU2	YJU2 Splicing Factor Homolog	Protein Coding	Q9BW85	39	GC19P111986	1.808366
GOSR2	Golgi SNAP Receptor Complex Member 2	Protein Coding	O14653	51	GC17P112499	1.807577
USO1	USO1 Vesicle Transport Factor	Protein	O60763	41	GC04P075724	1.806462

		Coding				
TP53TG1	TP53 Target 1	RNA Gene		27	GC07M087325	1.805336
PLXNA4	Plexin A4	Protein Coding	Q9HCM2	44	GC07M132123	1.804745
KPNB1	Karyopherin Subunit Beta 1	Protein Coding	Q14974	53	GC17P047649	1.803737
NPEPPS	Aminopeptidase Puromycin Sensitive	Protein Coding	P55786	49	GC17P047522	1.803737
PDXK	Pyridoxal Kinase	Protein Coding	O00764	55	GC21P043719	1.801078
KIR2DL2	Killer Cell Immunoglobulin Like Receptor, Two Ig Domains And Long Cytoplasmic Tail 2	Protein Coding	P43627	27	GC19MR00107	1.800978
MTAP	Methylthioadenosine Phosphorylase	Protein Coding	Q13126	58	GC09P021806	1.800694
ZFPL1	Zinc Finger Protein Like 1	Protein Coding	O95159	42	GC11P065084	1.799121
MRGPRX2	MAS Related GPR Family Member X2	Protein Coding	Q96LB1	43	GC11M019077	1.798854
MYO1B	Myosin IB	Protein Coding	O43795	45	GC02P191246	1.797137
PDE10A	Phosphodiesterase 10A	Protein Coding	Q9Y233	53	GC06M165327	1.796494
GPR32	G Protein-Coupled Receptor 32	Protein Coding	O75388	37	GC19P050770	1.795776
DACH2	Dachshund Family Transcription Factor 2	Protein Coding	Q96NX9	46	GC0XP086148	1.795151
AKAP11	A-Kinase Anchoring Protein 11	Protein Coding	Q9UKA4	44	GC13P042272	1.794926
MIR450B	MicroRNA 450b	RNA Gene		19	GC0XM134540	1.794745
HYCC1	Hyccin PI4KA Lipid Kinase Complex Subunit 1	Protein Coding	Q9BYI3	46	GC07M022891	1.793546
KIF23	Kinesin Family Member 23	Protein Coding	Q02241	52	GC15P069414	1.791321
PDE4DIP	Phosphodiesterase 4D Interacting Protein	Protein	Q5VU43	48	GC01P148808	1.789693

		Coding				
CELF1	CUGBP Elav-Like Family Member 1	Protein Coding	Q92879	49	GC11M125009	1.786381
KLF10	KLF Transcription Factor 10	Protein Coding	Q13118	48	GC08M102648	1.785564
AQP8	Aquaporin 8	Protein Coding	O94778	45	GC16P081226	1.785213
SNAP25	Synaptosome Associated Protein 25	Protein Coding	P60880	58	GC20P010224	1.78498
TM2D1	TM2 Domain Containing 1	Protein Coding	Q9BX74	44	GC01M061681	1.784765
SUOX	Sulfite Oxidase	Protein Coding	P51687	53	GC12P055997	1.784654
NUP35	Nucleoporin 35	Protein Coding	Q8NFH5	43	GC02P183117	1.782931
FAM234A	Family With Sequence Similarity 234 Member A	Protein Coding	Q9H0X4	41	GC16P080155	1.782185
P2RX1	Purinergic Receptor P2X 1	Protein Coding	P51575	51	GC17M003896	1.780812
IL22RA2	Interleukin 22 Receptor Subunit Alpha 2	Protein Coding	Q969J5	46	GC06M137143	1.776794
MIR217	MicroRNA 217	RNA Gene		24	GC02M055982	1.776441
ERAP2	Endoplasmic Reticulum Aminopeptidase 2	Protein Coding	Q6P179	49	GC05P096875	1.772826
ARL6IP4	ADP Ribosylation Factor Like GTPase 6 Interacting Protein 4	Protein Coding	Q66PJ3	37	GC12P122980	1.770193
LINC00342	Long Intergenic Non-Protein Coding RNA 342	RNA Gene		19	GC02M095807	1.768955
DLG1	Discs Large MAGUK Scaffold Protein 1	Protein Coding	Q12959	52	GC03M197042	1.766691
MIR551B	MicroRNA 551b	RNA Gene		21	GC03P168551	1.761128
LAT	Linker For Activation Of T Cells	Protein Coding	O43561	55	GC16P081427	1.761023
PLEKHB2	Pleckstrin Homology Domain Containing B2	Protein Coding	Q96CS7	45	GC02P144080	1.759156

SPON1	Spondin 1	Protein Coding	Q9HCB6	44	GC11P013964	1.758396
FIGLA	Folliculogenesis Specific BHLH Transcription Factor	Protein Coding	Q6QHK4	45	GC02M070741	1.757511
FBXO7	F-Box Protein 7	Protein Coding	Q9Y3I1	52	GC22P032474	1.7571
SEPTIN5	Septin 5	Protein Coding	Q99719	46	GC22P019714	1.753151
ICMT	Isoprenylcysteine Carboxyl Methyltransferase	Protein Coding	O60725	48	GC01M014311	1.751686
ITGA7	Integrin Subunit Alpha 7	Protein Coding	Q13683	55	GC12M055684	1.749675
EBI3	Epstein-Barr Virus Induced 3	Protein Coding	Q14213	45	GC19P111985	1.749334
EDIL3	EGF Like Repeats And Discoidin Domains 3	Protein Coding	O43854	45	GC05M083940	1.747849
SYCP1	Synaptonemal Complex Protein 1	Protein Coding	Q15431	44	GC01P114854	1.747542
STK39	Serine/Threonine Kinase 39	Protein Coding	Q9UEW8	51	GC02M167954	1.745965
PLAC4	Placenta Enriched 4	RNA Gene	Q8WY50	31	GC21M041176	1.745953
STAT2	Signal Transducer And Activator Of Transcription 2	Protein Coding	P52630	57	GC12M056341	1.745174
CNDP2	Carnosine Dipeptidase 2	Protein Coding	Q96KP4	50	GC18P074495	1.744779
DPYD	Dihydropyrimidine Dehydrogenase	Protein Coding	Q12882	60	GC01M097015	1.741695
PCSK1	Proprotein Convertase Subtilisin/Kexin Type 1	Protein Coding	P29120	59	GC05M096391	1.741644
TRIM28	Tripartite Motif Containing 28	Protein Coding	Q13263	52	GC19P058544	1.732521
HNRNPM	Heterogeneous Nuclear Ribonucleoprotein M	Protein Coding	P52272	46	GC19P008444	1.732123
TMEM106B	Transmembrane Protein 106B	Protein	Q9NUM4	48	GC07P013454	1.73187

		Coding				
LOC126806961	BRD4-Independent Group 4 Enhancer GRCh37_chr4:5641443-5642642	Functional Element		7	GC04P005735	1.730763
UNC80	Unc-80 Homolog, NALCN Channel Complex Subunit	Protein Coding	Q8N2C7	42	GC02P209771	1.72758
RB1CC1	RB1 Inducible Coiled-Coil 1	Protein Coding	Q8TDY2	53	GC08M052622	1.727521
CABIN1	Calcineurin Binding Protein 1	Protein Coding	Q9Y6J0	48	GC22P024011	1.725157
TNFRSF12A	TNF Receptor Superfamily Member 12A	Protein Coding	Q9NP84	51	GC16P003018	1.724521
STEAP4	STEAP4 Metalloreductase	Protein Coding	Q687X5	50	GC07M088484	1.72399
SKAP1-AS2	SKAP1 Antisense RNA 2	RNA Gene		17	GC17P112551	1.723761
CHRD	Chordin	Protein Coding	Q9H2X0	49	GC03P184380	1.720756
BTD	Biotinidase	Protein Coding	P43251	54	GC03P021671	1.720525
VPS13B	Vacuolar Protein Sorting 13 Homolog B	Protein Coding	Q7Z7G8	50	GC08P099049	1.719122
DHX15	DEAH-Box Helicase 15	Protein Coding	O43143	46	GC04M024519	1.716065
TK1	Thymidine Kinase 1	Protein Coding	P04183	54	GC17M078203	1.715757
PSAT1	Phosphoserine Aminotransferase 1	Protein Coding	Q9Y617	55	GC09P078297	1.715057
PYCARD	PYD And CARD Domain Containing	Protein Coding	Q9ULZ3	51	GC16M031201	1.71323
MYH10	Myosin Heavy Chain 10	Protein Coding	P35580	54	GC17M008474	1.712994
H3-5	H3.5 Histone	Protein Coding	Q6NXT2	40	GC12M032010	1.712785
H3-7	H3.7 Histone (Putative)	Protein Coding	Q5TEC6	28	GC01M160329	1.712785

PLCB1	Phospholipase C Beta 1	Protein Coding	Q9NQ66	56	GC20P008077	1.707132
DNAJC10	DnaJ Heat Shock Protein Family (Hsp40) Member C10	Protein Coding	Q8IXB1	43	GC02P182716	1.704845
ABHD17A	Abhydrolase Domain Containing 17A, Depalmitoylase	Protein Coding	Q96GS6	39	GC19M091732	1.697135
NUFIP2	Nuclear FMR1 Interacting Protein 2	Protein Coding	Q7Z417	39	GC17M076398	1.697135
SLC26A7	Solute Carrier Family 26 Member 7	Protein Coding	Q8TE54	46	GC08P091209	1.695416
SLC7A9	Solute Carrier Family 7 Member 9	Protein Coding	P82251	51	GC19M032830	1.695051
MIR375	MicroRNA 375	RNA Gene		27	GC02M219001	1.691949
SEC62-AS1	SEC62 Antisense RNA 1	RNA Gene		13	GC03M169979	1.690299
HTN3	Histatin 3	Protein Coding	P15516	40	GC04P070028	1.688099
FAAP100	FA Core Complex Associated Protein 100	Protein Coding	Q0VG06	43	GC17M083660	1.687806
NONO	Non-POU Domain Containing Octamer Binding	Protein Coding	Q15233	53	GC0XP071259	1.686962
UNC93B1	Unc-93 Homolog B1, TLR Signaling Regulator	Protein Coding	Q9H1C4	47	GC11M067991	1.685337
SLC16A4	Solute Carrier Family 16 Member 4	Protein Coding	O15374	46	GC01M110362	1.68518
PEX5	Peroxisomal Biogenesis Factor 5	Protein Coding	P50542	52	GC12P039004	1.685132
FARS2	Phenylalanyl-TRNA Synthetase 2, Mitochondrial	Protein Coding	O95363	52	GC06P006606	1.68382
GSTK1	Glutathione S-Transferase Kappa 1	Protein Coding	Q9Y2Q3	47	GC07P157909	1.683451
TRIM31	Tripartite Motif Containing 31	Protein Coding	Q9BZY9	46	GC06M093687	1.683431
RYK	Receptor Like Tyrosine Kinase	Protein Coding	P34925	50	GC03M134065	1.682906

FASTKD2	FAST Kinase Domains 2	Protein Coding	Q9NYY8	47	GC02P206770	1.682524
MPG	N-Methylpurine DNA Glycosylase	Protein Coding	P29372	48	GC16P080144	1.679967
STMN3	Stathmin 3	Protein Coding	Q9NZ72	39	GC20M063639	1.679967
HBM	Hemoglobin Subunit Mu	Protein Coding	Q6B0K9	38	GC16P080148	1.679967
JMJD8	Jumonji Domain Containing 8	Protein Coding	Q96S16	38	GC16M000681	1.679967
WFIKKN1	WAP, Follistatin/Kazal, Immunoglobulin, Kunitz And Netrin Domain Containing 1	Protein Coding	Q96NZ8	38	GC16P080166	1.679967
TPI1P2	Triosephosphate Isomerase 1 Pseudogene 2	Pseudogene		15	GC07P129055	1.679967
LINC02233	Long Intergenic Non-Protein Coding RNA 2233	RNA Gene		13	GC04M159667	1.679967
LINC03072	Long Intergenic Non-Protein Coding RNA 3072	RNA Gene		11	GC07M129076	1.679967
ENSG00000243230	Novel Transcript	RNA Gene		10	GC07M129209	1.679967
ENSG00000260022	Novel Transcript, Antisense To LMF1	RNA Gene		9	GC16P000883	1.679967
piR-57460-226		RNA Gene		4	GC16P095020	1.679967
RF00017-1927		RNA Gene		3	GC16M000126	1.679967
ROMO1	Reactive Oxygen Species Modulator 1	Protein Coding	P60602	40	GC20P035699	1.679572
HSCB	HscB Mitochondrial Iron-Sulfur Cluster Cochaperone	Protein Coding	Q8IWL3	45	GC22P028742	1.679449
SOBP	Sine Oculis Binding Protein Homolog	Protein Coding	A7XYQ1	45	GC06P135872	1.677584
DOCK10	Dedicator Of Cytokinesis 10	Protein Coding	Q96BY6	44	GC02M224765	1.676459
PRR5L	Proline Rich 5 Like	Protein Coding	Q6MZQ0	37	GC11P036384	1.675453
ATXN2L	Ataxin 2 Like	Protein Coding	Q8WWM7	48	GC16P081408	1.673951
KDM4C	Lysine Demethylase 4C	Protein Coding	Q9H3R0	51	GC09P006720	1.671469

CLDN3	Claudin 3	Protein Coding	O15551	49	GC07M073768	1.668945
MLKL	Mixed Lineage Kinase Domain Like Pseudokinase	Protein Coding	Q8NB16	51	GC16M074829	1.668811
HSD17B12	Hydroxysteroid 17-Beta Dehydrogenase 12	Protein Coding	Q53GQ0	46	GC11P043556	1.66503
IFI44	Interferon Induced Protein 44	Protein Coding	Q8TCB0	44	GC01P078649	1.664636
MSC-AS1	MSC Antisense RNA 1	RNA Gene		19	GC08P071828	1.663831
FSTL3	Follistatin Like 3	Protein Coding	O95633	45	GC19P000676	1.663639
ZNF318	Zinc Finger Protein 318	Protein Coding	Q5VUA4	40	GC06M094026	1.660983
GAR1	GAR1 Ribonucleoprotein	Protein Coding	Q9NY12	47	GC04P109815	1.659762
STAG3	STAG3 Cohesin Complex Component	Protein Coding	Q9UJ98	52	GC07P100177	1.658292
VTI1A	Vesicle Transport Through Interaction With T-SNAREs 1A	Protein Coding	Q96AJ9	45	GC10P112446	1.658262
SMG6	SMG6 Nonsense Mediated MRNA Decay Factor	Protein Coding	Q86US8	45	GC17M002059	1.655881
HECTD2	HECT Domain E3 Ubiquitin Protein Ligase 2	Protein Coding	Q5U5R9	41	GC10P091409	1.652
PAXIP1	PAX Interacting Protein 1	Protein Coding	Q6ZW49	48	GC07M154943	1.651207
MCM6	Minichromosome Maintenance Complex Component 6	Protein Coding	Q14566	52	GC02M135839	1.644712
SMN2	Survival Of Motor Neuron 2, Centromeric	Protein Coding	Q16637	48	GC05P070049	1.643402
MIR371A	MicroRNA 371a	RNA Gene		22	GC19P053787	1.638778
SMIM23	Small Integral Membrane Protein 23	Protein Coding	A6NLE4	31	GC05P171772	1.636302
ABCC5	ATP Binding Cassette Subfamily C Member 5	Protein Coding	O15440	52	GC03M183919	1.636115

ZFYVE26	Zinc Finger FYVE-Type Containing 26	Protein Coding	Q68DK2	47	GC14M067727	1.634404
GSDMB	Gasdermin B	Protein Coding	Q8TAX9	42	GC17M039904	1.633772
IRF7	Interferon Regulatory Factor 7	Protein Coding	Q92985	56	GC11M000612	1.630031
TGFBI	Transforming Growth Factor Beta Induced	Protein Coding	Q15582	54	GC05P136027	1.6294
ST6GALNAC1	ST6 N-Acetylgalactosaminide Alpha-2,6-Sialyltransferase 1	Protein Coding	Q9NSC7	48	GC17M083374	1.62901
COIL	Coilin	Protein Coding	P38432	50	GC17M056938	1.625712
NHLRC1	NHL Repeat Containing E3 Ubiquitin Protein Ligase 1	Protein Coding	Q6VVB1	49	GC06M018120	1.624347
MPZL1	Myelin Protein Zero Like 1	Protein Coding	O95297	48	GC01P167721	1.6211
IL20	Interleukin 20	Protein Coding	Q9NYY1	47	GC01P206866	1.621053
SCAMP1	Secretory Carrier Membrane Protein 1	Protein Coding	O15126	44	GC05P078360	1.620082
TRN-GTT2-1	TRNA-Asn (Anticodon GTT) 2-1	RNA Gene		8	GC01P164147	1.619777
RFFL	Ring Finger And FYVE Like Domain Containing E3 Ubiquitin Protein Ligase	Protein Coding	Q8WZ73	42	GC17M076605	1.616672
CCM2	CCM2 Scaffold Protein	Protein Coding	Q9BSQ5	51	GC07P044999	1.614778
DISC1	DISC1 Scaffold Protein	Protein Coding	Q9NRI5	52	GC01P231626	1.613988
OPTN	Optineurin	Protein Coding	Q96CV9	53	GC10P013099	1.612733
DDX20	DEAD-Box Helicase 20	Protein Coding	Q9UHI6	50	GC01P111758	1.611684
RAP1GDS1	Rap1 GTPase-GDP Dissociation Stimulator 1	Protein Coding	P52306	50	GC04P098261	1.610332
HGS	Hepatocyte Growth Factor-Regulated Tyrosine	Protein	O14964	52	GC17P081683	1.609274

	Kinase Substrate	Coding				
ALG14	ALG14 UDP-N-Acetylglucosaminyltransferase Subunit	Protein Coding	Q96F25	48	GC01M094974	1.606499
PAX7	Paired Box 7	Protein Coding	P23759	52	GC01P041073	1.606095
SNORA66	Small Nucleolar RNA, H/ACA Box 66	RNA Gene		23	GC01P092840	1.605673
ZP3	Zona Pellucida Glycoprotein 3	Protein Coding	P21754	52	GC07P086351	1.604916
HLA-DMB	Major Histocompatibility Complex, Class II, DM Beta	Protein Coding	P28068	48	GC06M032934	1.604097
SLK	STE20 Like Kinase	Protein Coding	Q9H2G2	51	GC10P103967	1.602344
ABCC10	ATP Binding Cassette Subfamily C Member 10	Protein Coding	Q5T3U5	44	GC06P043427	1.602344
AUTS2	Activator Of Transcription And Developmental Regulator AUTS2	Protein Coding	Q8WXX7	51	GC07P069598	1.601029
PAG1	Phosphoprotein Membrane Anchor With Glycosphingolipid Microdomains 1	Protein Coding	Q9NWQ8	45	GC08M080967	1.60098
SERTAD1	SERTA Domain Containing 1	Protein Coding	Q9UHV2	43	GC19M040421	1.59906
PAWR	Pro-Apoptotic WT1 Regulator	Protein Coding	Q96IZ0	50	GC12M079574	1.594293
RBBP5	RB Binding Protein 5, Histone Lysine Methyltransferase Complex Subunit	Protein Coding	Q15291	48	GC01M205055	1.593636
CCR9	C-C Motif Chemokine Receptor 9	Protein Coding	P51686	49	GC03P057382	1.592725
SLC66A1	Solute Carrier Family 66 Member 1	Protein Coding	Q6ZP29	42	GC01P041105	1.58956
SS3	Sarcoidosis, Susceptibility To, 3	Genetic Locus		6	GC10U901083	1.586976
SEMA6A	Semaphorin 6A	Protein Coding	Q9H2E6	47	GC05M116443	1.581953
MYO1D	Myosin ID	Protein Coding	O94832	45	GC17M032492	1.581628
ELF5	E74 Like ETS Transcription Factor 5	Protein	Q9UKW6	45	GC11M034500	1.580741

		Coding				
PTPRN2	Protein Tyrosine Phosphatase Receptor Type N2	Protein Coding	Q92932	53	GC07M157539	1.579802
NRIP1	Nuclear Receptor Interacting Protein 1	Protein Coding	P48552	53	GC21M014961	1.579652
PPM1D	Protein Phosphatase, Mg2+/Mn2+ Dependent 1D	Protein Coding	O15297	56	GC17P060600	1.578866
PRP4K	Pre-MRNA Processing Factor Kinase PRP4K	Protein Coding	Q13523	44	GC06P004021	1.576569
SYNJ1	Synaptojanin 1	Protein Coding	O43426	54	GC21M032628	1.576176
TNFSF4	TNF Superfamily Member 4	Protein Coding	P23510	51	GC01M173183	1.574746
HRNR	Hornerin	Protein Coding	Q86YZ3	43	GC01M152212	1.572812
CABLES1	Cdk5 And Abl Enzyme Substrate 1	Protein Coding	Q8TDN4	46	GC18P023134	1.572356
GYG1	Glycogenin 1	Protein Coding	P46976	55	GC03P148991	1.570196
NANOS1	Nanos C2HC-Type Zinc Finger 1	Protein Coding	Q8WY41	45	GC10P119029	1.569054
ADRA1A	Adrenoceptor Alpha 1A	Protein Coding	P35348	55	GC08M026747	1.56855
PRKAR2B	Protein Kinase CAMP-Dependent Type II Regulatory Subunit Beta	Protein Coding	P31323	51	GC07P107044	1.567622
RNASEL	Ribonuclease L	Protein Coding	Q05823	53	GC01M182573	1.565052
CCT3	Chaperonin Containing TCP1 Subunit 3	Protein Coding	P49368	45	GC01M156308	1.563897
KLKB1	Kallikrein B1	Protein Coding	P03952	53	GC04P186348	1.563609
FAM167A	Family With Sequence Similarity 167 Member A	Protein Coding	Q96KS9	45	GC08M011421	1.562304
RAB7A	RAB7A, Member RAS Oncogene Family	Protein	P51149	56	GC03P138990	1.561874

		Coding				
HCP5	HLA Complex P5	RNA Gene	Q6MZN7	37	GC06P031400	1.561782
CD48	CD48 Molecule	Protein Coding	P09326	48	GC01M160679	1.561477
DPY19L2	Dpy-19 Like 2	Protein Coding	Q6NUT2	47	GC12M063558	1.559686
NBL1	NBL1, DAN Family BMP Antagonist	Protein Coding	P41271	46	GC01P041134	1.559679
MBNL1	Muscleblind Like Splicing Regulator 1	Protein Coding	Q9NR56	48	GC03P152243	1.559677
GPX8	Glutathione Peroxidase 8 (Putative)	Protein Coding	Q8TED1	47	GC05P055160	1.559677
RBM24	RNA Binding Motif Protein 24	Protein Coding	Q9BX46	43	GC06P017281	1.559677
CARMIL1	Capping Protein Regulator And Myosin 1 Linker 1	Protein Coding	Q5VZK9	42	GC06P025464	1.55957
TMEM127	Transmembrane Protein 127	Protein Coding	O75204	48	GC02M096248	1.558958
CLEC11A	C-Type Lectin Domain Containing 11A	Protein Coding	Q9Y240	45	GC19P050723	1.55544
ECHS1	Enoyl-CoA Hydratase, Short Chain 1	Protein Coding	P30084	54	GC10M133362	1.552779
TSN	Translin	Protein Coding	Q15631	47	GC02P121737	1.552527
FOXI1	Forkhead Box I1	Protein Coding	Q12951	44	GC05P170105	1.550505
S100A11	S100 Calcium Binding Protein A11	Protein Coding	P31949	51	GC01M152032	1.550428
LGALS2	Galectin 2	Protein Coding	P05162	47	GC22M037570	1.54968
MTM1	Myotubularin 1	Protein Coding	Q13496	51	GC0XP150562	1.549174
UBQLN1	Ubiquilin 1	Protein Coding	Q9UMX0	52	GC09M083659	1.546128

PRSS3	Serine Protease 3	Protein Coding	P35030	51	GC09P033750	1.543286
LOC106780800	CYP21A2 Recombination Region	Functional Element		9	GC06P137864	1.542894
ASPN	Asporin	Protein Coding	Q9BXN1	50	GC09M109430	1.542466
C1orf162	Chromosome 1 Open Reading Frame 162	Protein Coding	Q8NEQ5	33	GC01P111473	1.541282
GIGYF2	GRB10 Interacting GYF Protein 2	Protein Coding	Q6Y7W6	50	GC02P232815	1.539337
HES1	Hes Family BHLH Transcription Factor 1	Protein Coding	Q14469	53	GC03P194136	1.539091
KLRB1	Killer Cell Lectin Like Receptor B1	Protein Coding	Q12918	47	GC12M029487	1.538026
CHMP2B	Charged Multivesicular Body Protein 2B	Protein Coding	Q9UQN3	53	GC03P087227	1.53783
TFF2	Trefoil Factor 2	Protein Coding	Q03403	48	GC21M042346	1.536924
PFKL	Phosphofructokinase, Liver Type	Protein Coding	P17858	52	GC21P044300	1.536495
COL13A1	Collagen Type XIII Alpha 1 Chain	Protein Coding	Q5TAT6	48	GC10P069801	1.534681
SLC30A8	Solute Carrier Family 30 Member 8	Protein Coding	Q8IWU4	50	GC08P116950	1.534555
VPS39	VPS39 Subunit Of HOPS Complex	Protein Coding	Q96JC1	46	GC15M042159	1.531003
KPNA2	Karyopherin Subunit Alpha 2	Protein Coding	P52292	53	GC17P068035	1.529812
ARID2	AT-Rich Interaction Domain 2	Protein Coding	Q68CP9	49	GC12P045729	1.527866
ELK3	ETS Transcription Factor ELK3	Protein Coding	P41970	43	GC12P096194	1.527279
ECH1	Enoyl-CoA Hydratase 1	Protein Coding	Q13011	44	GC19M038815	1.527276
UTS2R	Urotensin 2 Receptor	Protein	Q9UKP6	50	GC17P113420	1.527027

		Coding				
EYA2	EYA Transcriptional Coactivator And Phosphatase 2	Protein Coding	O00167	46	GC20P046894	1.525449
SLC48A1	Solute Carrier Family 48 Member 1	Protein Coding	Q6P1K1	42	GC12P047753	1.517216
TRIM9	Tripartite Motif Containing 9	Protein Coding	Q9C026	47	GC14M050975	1.516448
FDPS	Farnesyl Diphosphate Synthase	Protein Coding	P14324	54	GC01P155308	1.514349
ARHGEF1	Rho Guanine Nucleotide Exchange Factor 1	Protein Coding	Q92888	54	GC19P041883	1.513894
DGKE	Diacylglycerol Kinase Epsilon	Protein Coding	P52429	54	GC17P056834	1.510431
COX16	Cytochrome C Oxidase Assembly Factor COX16	Protein Coding	Q9P0S2	41	GC14M070326	1.504953
FUT6	Fucosyltransferase 6	Protein Coding	P51993	50	GC19M005830	1.500125
KNL1	Kinetochore Scaffold 1	Protein Coding	Q8NG31	46	GC15P157070	1.500125
RGS19	Regulator Of G Protein Signaling 19	Protein Coding	P49795	46	GC20M064073	1.500125
SP2	Sp2 Transcription Factor	Protein Coding	Q02086	46	GC17P047896	1.500125
GIPC2	GIPC PDZ Domain Containing Family Member 2	Protein Coding	Q8TF65	45	GC01P078034	1.500125
SLC2A4RG	SLC2A4 Regulator	Protein Coding	Q9NR83	44	GC20P063739	1.500125
TTYH1	Tweety Family Member 1	Protein Coding	Q9H313	44	GC19P113679	1.500125
PSKH1	Protein Serine Kinase H1	Protein Coding	P11801	43	GC16P067893	1.500125
SNRPA1	Small Nuclear Ribonucleoprotein Polypeptide A'	Protein Coding	P09661	43	GC15M101281	1.500125
TSPAN33	Tetraspanin 33	Protein	Q86UF1	43	GC07P136193	1.500125

		Coding				
UQCR11	Ubiquinol-Cytochrome C Reductase, Complex III Subunit XI	Protein Coding	O14957	43	GC19M001597	1.500125
DSCC1	DNA Replication And Sister Chromatid Cohesion 1	Protein Coding	Q9BVC3	42	GC08M119834	1.500125
GMEB2	Glucocorticoid Modulatory Element Binding Protein 2	Protein Coding	Q9UKD1	42	GC20M063587	1.500125
SCRN2	Secernin 2	Protein Coding	Q96FV2	41	GC17M047837	1.500125
GPR157	G Protein-Coupled Receptor 157	Protein Coding	Q5UAW9	40	GC01M009100	1.500125
KLHL25	Kelch Like Family Member 25	Protein Coding	Q9H0H3	40	GC15M148566	1.500125
REXO1	RNA Exonuclease 1 Homolog	Protein Coding	Q8N1G1	39	GC19M001815	1.500125
LENG8	Leukocyte Receptor Cluster Member 8	Protein Coding	Q96PV6	38	GC19P113678	1.500125
SPPL2B	Signal Peptide Peptidase Like 2B	Protein Coding	Q8TCT7	38	GC19P002328	1.500125
ZNF502	Zinc Finger Protein 502	Protein Coding	Q8TBZ5	36	GC03P057362	1.500125
HSD11B1L	Hydroxysteroid 11-Beta Dehydrogenase 1 Like	Protein Coding	Q7Z5J1	35	GC19P005680	1.500125
EFCAB13	EF-Hand Calcium Binding Domain 13	Protein Coding	Q8IY85	34	GC17P047323	1.500125
TMEM42	Transmembrane Protein 42	Protein Coding	Q69YG0	34	GC03P057366	1.500125
RPRML	Reprimo Like	Protein Coding	Q8N4K4	31	GC17M046978	1.500125
ZNF761	Zinc Finger Protein 761	Protein Coding	Q86XN6	31	GC19P053431	1.500125
MIR936	MicroRNA 936	RNA Gene		21	GC10M104048	1.500125
MIR609	MicroRNA 609	RNA Gene		16	GC10M104218	1.500125
LENG8-AS1	LENG8 Antisense RNA 1	RNA Gene		15	GC19M093330	1.500125

GOSR2-DT	GOSR2 Divergent Transcript	RNA Gene	12	GC17M046914	1.500125
MRPL45P2	Mitochondrial Ribosomal Protein L45 Pseudogene 2	Pseudogene	12	GC17M047450	1.500125
ZBTB46-AS2	ZBTB46 Antisense RNA 2	RNA Gene	12	GC20P066996	1.500125
DEPTOR-AS1	DEPTOR Antisense RNA 1	RNA Gene	11	GC08M119868	1.500125
ENSG00000262633	Novel Protein	Protein Coding	11	GC17P046923	1.500125
FUNDC2P2	FUN14 Domain Containing 2 Pseudogene 2	Pseudogene	11	GC02P084290	1.500125
LINC02674	Long Intergenic Non-Protein Coding RNA 2674	RNA Gene	11	GC10P117736	1.500125
RPL22P1	Ribosomal Protein L22 Pseudogene 1	Pseudogene	11	GC03M169488	1.500125
RPS2P47	Ribosomal Protein S2 Pseudogene 47	Pseudogene	11	GC17M078101	1.500125
ENSG00000253347	Novel Transcript	RNA Gene	10	GC17M047409	1.500125
ENSG00000259276	Novel Transcript, Antisense To AKAP13	RNA Gene	10	GC15M148559	1.500125
LINC02477	Long Intergenic Non-Protein Coding RNA 2477	RNA Gene	10	GC04P160258	1.500125
LOC100507472	Uncharacterized LOC100507472	RNA Gene	10	GC15M148766	1.500125
RNU6-807P	RNA, U6 Small Nuclear 807, Pseudogene	Pseudogene	10	GC15M101648	1.500125
RPS7P11	Ribosomal Protein S7 Pseudogene 11	Pseudogene	10	GC17M046721	1.500125
CYCSP20	CYCS Pseudogene 20	Pseudogene	9	GC07M129117	1.500125
ENSG00000262372	Novel Transcript, Antisense To A Novel Protein	RNA Gene	9	GC17P112433	1.500125
ENSG00000262879	Novel Transcript	RNA Gene	9	GC17M046982	1.500125
ENSG00000228563	Novel Transcript	RNA Gene	8	GC02P031526	1.500125
ENSG00000237371	Novel Transcript	RNA Gene	8	GC20P064056	1.500125
ENSG00000268496	Novel Transcript, Sense Intronic To TTYH1	RNA Gene	8	GC19P054434	1.500125
ENSG00000273338	Novel Transcript, Antisense To DNAJB4	RNA Gene	8	GC01M078112	1.500125
GOLGA6EP	Golgin A6 Family Member E, Pseudogene	Pseudogene	8	GC15P158701	1.500125
RNU6-839P	RNA, U6 Small Nuclear 839, Pseudogene	Pseudogene	8	GC10P109239	1.500125
DNM1P49	Dynamin 1 Pseudogene 49	Pseudogene	7	GC15M075791	1.500125
ENSG00000235681	LSM6 Homolog, U6 Small Nuclear RNA Associated (S. Cerevisiae) (LSM6) Pseudogene	Pseudogene	6	GC19P054446	1.500125
ENSG00000242162	Pseudogene Similar To Part Of Sec61 Alpha 1 Subunit (S. Cerevisiae) (SEC61A1)	Pseudogene	6	GC07M129066	1.500125

PHB2P1	PHB2 Pseudogene 1	Pseudogene	6	GC10P109528	1.500125
RNU6-637P	RNA, U6 Small Nuclear 637, Pseudogene	Pseudogene	6	GC03M169720	1.500125
SMIM7P1	SMIM7 Pseudogene 1	Pseudogene	6	GC02M035220	1.500125
lnc-NDUFS7-3		RNA Gene	6	GC19P111872	1.500125
HSALNG0025575		RNA Gene	5	GC03M044748	1.500125
HSALNG0123023		RNA Gene	5	GC19P114148	1.500125
HSALNG0123410		RNA Gene	5	GC19M091834	1.500125
HSALNG0127525		RNA Gene	5	GC19M093332	1.500125
LOC124903566	Uncharacterized LOC124903566	Protein Coding	5	GC15M149528	1.500125
LOC124904770	LIM Domain-Containing Protein A-Like	Protein Coding	5	GC19P114917	1.500125
ST6GALNAC2P1	ST6 N-Acetylgalactosaminide Alpha-2,6-Sialyltransferase 2 Pseudogene 1	Pseudogene	5	GC02M084039	1.500125
lnc-GAMT-3		RNA Gene	5	GC19M094203	1.500125
lnc-GAMT-4		RNA Gene	5	GC19M094204	1.500125
lnc-GAMT-5		RNA Gene	5	GC19M094205	1.500125
lnc-GAMT-8		RNA Gene	5	GC19M094207	1.500125
lnc-RTEL1-2		RNA Gene	5	GC20P066990	1.500125
lnc-STMN3-1		RNA Gene	5	GC20M063640	1.500125
lnc-STN1-1		RNA Gene	5	GC10M104162	1.500125
CM034965-237		RNA Gene	4	GC15M148856	1.500125
CM034967-192		RNA Gene	4	GC17M079754	1.500125
ENSG00000241102	Pseudogene Similar To Part Of Vomeronasal 1 Receptor 2 (VN1R2)	Pseudogene	4	GC07M129095	1.500125
ENSG00000241573	Zinc Finger Pseudogene	Pseudogene	4	GC07M129096	1.500125
FJ601684-284		RNA Gene	4	GC20M063651	1.500125
HSALNG0025579		RNA Gene	4	GC03M045172	1.500125
HSALNG0123412		RNA Gene	4	GC19P112012	1.500125
HSALNG0131669		RNA Gene	4	GC20P063681	1.500125
HSALNG0147674		RNA Gene	4	GC03P169875	1.500125

NONHSAG034925.2		RNA Gene		4	GC03P059586	1.500125
OA987926		RNA Gene		4	GC03P059587	1.500125
lnc-MYDGF-2		RNA Gene		4	GC19M004714	1.500125
lnc-SNRPA1-2		RNA Gene		4	GC15M148767	1.500125
piR-36362-005		RNA Gene		4	GC20M063693	1.500125
piR-37522		RNA Gene		4	GC03P169756	1.500125
piR-50828-004		RNA Gene		4	GC19P121287	1.500125
piR-56320		RNA Gene		4	GC17P112501	1.500125
CM034959-228		RNA Gene		3	GC09P106698	1.500125
CM034960-299		RNA Gene		3	GC10M104189	1.500125
CM034965-238		RNA Gene		3	GC15M148857	1.500125
HSALNG0050187		RNA Gene		3	GC06P137309	1.500125
HSALNG0061272		RNA Gene		3	GC07M129073	1.500125
HSALNG0073483		RNA Gene		3	GC09P106708	1.500125
HSALNG0073484		RNA Gene		3	GC09M109777	1.500125
HSALNG0108627		RNA Gene		3	GC15P101359	1.500125
HSALNG0123411		RNA Gene		3	GC19P004705	1.500125
HSALNG0131671		RNA Gene		3	GC20M063764	1.500125
LOC112267982	Zinc Finger Protein 195-Like	Pseudogene		3	GC07M129093	1.500125
lnc-TNPO3-4		RNA Gene		3	GC07M129146	1.500125
piR-36365-003		RNA Gene		3	GC20M063694	1.500125
piR-36365-004		RNA Gene		3	GC20M063762	1.500125
piR-52932		RNA Gene		3	GC10M104179	1.500125
HSALNG0099539		RNA Gene		2	GC13M112882	1.500125
PLEKHM1	Pleckstrin Homology And RUN Domain Containing M1	Protein Coding	Q9Y4G2	50	GC17M077917	1.498704
ULK1	Unc-51 Like Autophagy Activating Kinase 1	Protein Coding	O75385	53	GC12P131894	1.498171
IL19	Interleukin 19	Protein Coding	Q9UHD0	48	GC01P206770	1.497279

TSEN2	TRNA Splicing Endonuclease Subunit 2	Protein Coding	Q8NCE0	50	GC03P021571	1.496444
MIR486-2	MicroRNA 486-2	RNA Gene		15	GC08P041999	1.494589
MIR194-1	MicroRNA 194-1	RNA Gene		17	GC01M220118	1.491569
CCRL2	C-C Motif Chemokine Receptor Like 2	Protein Coding	O00421	48	GC03P046407	1.485704
SLC36A1	Solute Carrier Family 36 Member 1	Protein Coding	Q7Z2H8	45	GC05P151344	1.482022
ABCA13	ATP Binding Cassette Subfamily A Member 13	Protein Coding	Q86UQ4	45	GC07P048171	1.481452
CREB5	CAMP Responsive Element Binding Protein 5	Protein Coding	Q02930	45	GC07P028639	1.480847
VAMP2	Vesicle Associated Membrane Protein 2	Protein Coding	P63027	53	GC17M074897	1.480627
P4HTM	Prolyl 4-Hydroxylase, Transmembrane	Protein Coding	Q9NXG6	46	GC03P057616	1.47842
DDX27	DEAD-Box Helicase 27	Protein Coding	Q96GQ7	40	GC20P049219	1.478369
DSG3	Desmoglein 3	Protein Coding	P32926	49	GC18P031447	1.476578
TRIM54	Tripartite Motif Containing 54	Protein Coding	Q9BYV2	44	GC02P028517	1.476506
TERF2IP	TERF2 Interacting Protein	Protein Coding	Q9NYB0	47	GC16P075647	1.47641
NLRX1	NLR Family Member X1	Protein Coding	Q86UT6	45	GC11P119166	1.476139
DLEU1	Deleted In Lymphocytic Leukemia 1	RNA Gene	O43261	36	GC13P050677	1.476022
MIR485	MicroRNA 485	RNA Gene		25	GC14P116766	1.474747
DBET	D4Z4 Binding Element Transcript	RNA Gene		19	GC04P190213	1.472623
CROCC	Ciliary Rootlet Coiled-Coil, Rootletin	Protein Coding	Q5TZA2	43	GC01P040989	1.471699
TNFRSF10D	TNF Receptor Superfamily Member 10d	Protein Coding	Q9UBN6	51	GC08M023135	1.467011

LINC00511	Long Intergenic Non-Protein Coding RNA 511	RNA Gene		23	GC17M078930	1.465867
SS18	SS18 Subunit Of BAF Chromatin Remodeling Complex	Protein Coding	Q15532	46	GC18M026016	1.465767
LTB4R2	Leukotriene B4 Receptor 2	Protein Coding	Q9NPC1	50	GC14P045963	1.459371
WNT16	Wnt Family Member 16	Protein Coding	Q9UBV4	47	GC07P121325	1.457188
ART1	ADP-Ribosyltransferase 1	Protein Coding	P52961	41	GC11P010758	1.455623
TM9SF4	Transmembrane 9 Superfamily Member 4	Protein Coding	Q92544	44	GC20P032109	1.454636
SOHLH1	Spermatogenesis And Oogenesis Specific Basic Helix-Loop-Helix 1	Protein Coding	Q5JUK2	44	GC09M135693	1.454332
HRH3	Histamine Receptor H3	Protein Coding	Q9Y5N1	51	GC20M062214	1.452843
MOV10	Mov10 RNA Helicase	Protein Coding	Q9HCE1	49	GC01P112673	1.452683
FGR	FGR Proto-Oncogene, Src Family Tyrosine Kinase	Protein Coding	P09769	55	GC01M031144	1.452366
DCTN2	Dynactin Subunit 2	Protein Coding	Q13561	48	GC12M059339	1.450532
KMT2C	Lysine Methyltransferase 2C	Protein Coding	Q8NEZ4	52	GC07M152134	1.447885
EXOSC1	Exosome Component 1	Protein Coding	Q9Y3B2	47	GC10M097435	1.447648
ESCO2	Establishment Of Sister Chromatid Cohesion N-Acetyltransferase 2	Protein Coding	Q56NI9	47	GC08P027771	1.44436
PKIA	CAMP-Dependent Protein Kinase Inhibitor Alpha	Protein Coding	P61925	43	GC08P078517	1.444048
NDUFS7	NADH:Ubiquinone Oxidoreductase Core Subunit S7	Protein Coding	O75251	54	GC19P111868	1.441466
ASH2L	ASH2 Like, Histone Lysine Methyltransferase Complex Subunit	Protein Coding	Q9UBL3	49	GC08P039850	1.441013
DENND4A	DENN Domain Containing 4A	Protein	Q7Z401	44	GC15M065658	1.440848

		Coding				
SUPV3L1	Suv3 Like RNA Helicase	Protein Coding	Q8IYB8	47	GC10P069182	1.439913
CAMK2B	Calcium/Calmodulin Dependent Protein Kinase II Beta	Protein Coding	Q13554	58	GC07M045339	1.438028
HTT	Huntingtin	Protein Coding	P42858	53	GC04P003041	1.436154
ADHFE1	Alcohol Dehydrogenase Iron Containing 1	Protein Coding	Q8IWW8	46	GC08P066432	1.432828
TMPPE	Transmembrane Protein With Metallophosphoesterase Domain	Protein Coding	Q6ZT21	37	GC03M033090	1.431433
DGAT1	Diacylglycerol O-Acyltransferase 1	Protein Coding	O75907	55	GC08M146612	1.42996
FRMPD4	FERM And PDZ Domain Containing 4	Protein Coding	Q14CM0	45	GC0XP011822	1.429273
CLDN2	Claudin 2	Protein Coding	P57739	50	GC0XP106900	1.428906
MIR551A	MicroRNA 551a	RNA Gene		24	GC01M003560	1.428645
STRA8	Stimulated By Retinoic Acid 8	Protein Coding	Q7Z7C7	43	GC07P135231	1.426493
ERVK-6	Endogenous Retrovirus Group K Member 6, Envelope	Protein Coding	Q69384	22	GC07U903184	1.425216
GJA4	Gap Junction Protein Alpha 4	Protein Coding	P35212	51	GC01P034792	1.421139
MTERF4	Mitochondrial Transcription Termination Factor 4	Protein Coding	Q7Z6M4	41	GC02M241043	1.416044
SLC25A20	Solute Carrier Family 25 Member 20	Protein Coding	O43772	52	GC03M048941	1.412168
YWHAH	Tyrosine 3-Monooxygenase/Tryptophan 5-Monooxygenase Activation Protein Eta	Protein Coding	Q04917	54	GC22P031944	1.409571
TRAF4	TNF Receptor Associated Factor 4	Protein Coding	Q9BUZ4	50	GC17P111770	1.408435
SPG11	SPG11 Vesicle Trafficking Associated, Spatacsin	Protein Coding	Q96JI7	49	GC15M044834	1.407221

MYBL2	MYB Proto-Oncogene Like 2	Protein Coding	P10244	50	GC20P043667	1.407089
CPM	Carboxypeptidase M	Protein Coding	P14384	49	GC12M068842	1.406535
BAD	BCL2 Associated Agonist Of Cell Death	Protein Coding	Q92934	53	GC11M125317	1.404632
CARS1	Cysteinyl-TRNA Synthetase 1	Protein Coding	P49589	50	GC11M003000	1.403874
CCAR2	Cell Cycle And Apoptosis Regulator 2	Protein Coding	Q8N163	45	GC08P022604	1.401945
HDC	Histidine Decarboxylase	Protein Coding	P19113	53	GC15M050241	1.401149
LOC111365141	NOS2 5' Regulatory Region	Functional Element		8	GC17P027800	1.397187
MEP1A	Meprin A Subunit Alpha	Protein Coding	Q16819	46	GC06P046793	1.397054
FLAD1	Flavin Adenine Dinucleotide Synthetase 1	Protein Coding	Q8NFF5	48	GC01P154983	1.396366
MRPL3	Mitochondrial Ribosomal Protein L3	Protein Coding	P09001	47	GC03M131462	1.395146
PDHB	Pyruvate Dehydrogenase E1 Subunit Beta	Protein Coding	P11177	53	GC03M058451	1.394298
NRF1	Nuclear Respiratory Factor 1	Protein Coding	Q16656	53	GC07P129611	1.391049
CASP2	Caspase 2	Protein Coding	P42575	55	GC07P157914	1.387001
IFNL1	Interferon Lambda 1	Protein Coding	Q8IU54	45	GC19P039296	1.384244
HNRNPK	Heterogeneous Nuclear Ribonucleoprotein K	Protein Coding	P61978	54	GC09M109180	1.383756
MIR496	MicroRNA 496	RNA Gene		16	GC14P116773	1.382669
CPEB4	Cytoplasmic Polyadenylation Element Binding Protein 4	Protein Coding	Q17RY0	45	GC05P173888	1.379848
LTB	Lymphotoxin Beta	Protein Coding	Q06643	48	GC06M093785	1.377984

BLVRA	Biliverdin Reductase A	Protein Coding	P53004	52	GC07P043758	1.376589
ZMYND11	Zinc Finger MYND-Type Containing 11	Protein Coding	Q15326	50	GC10P000134	1.375727
DLG4	Discs Large MAGUK Scaffold Protein 4	Protein Coding	P78352	57	GC17M074828	1.375322
TEN1-CDK3	TEN1-CDK3 Readthrough (NMD Candidate)	RNA Gene		16	GC17P113154	1.374797
FLOT2	Flotillin 2	Protein Coding	Q14254	44	GC17M076392	1.374731
SORT1	Sortilin 1	Protein Coding	Q99523	54	GC01M109310	1.373675
MIR449A	MicroRNA 449a	RNA Gene		27	GC05M055171	1.3728
MICOS13	Mitochondrial Contact Site And Cristae Organizing System Subunit 13	Protein Coding	Q5XKP0	44	GC19M091858	1.371481
GAL	Galanin And GMAP Prepropeptide	Protein Coding	P22466	54	GC11P089308	1.370032
DIO2	Iodothyronine Deiodinase 2	Protein Coding	Q92813	48	GC14M080197	1.369092
MIR1249	MicroRNA 1249	RNA Gene		23	GC22M045200	1.368959
IRS4	Insulin Receptor Substrate 4	Protein Coding	O14654	50	GC0XM108720	1.366124
EPB41	Erythrocyte Membrane Protein Band 4.1	Protein Coding	P11171	54	GC01P028887	1.365996
SCIN	Scinderin	Protein Coding	Q9Y6U3	46	GC07P012570	1.364456
MS4A2	Membrane Spanning 4-Domains A2	Protein Coding	Q01362	48	GC11P060088	1.363864
RAB3GAP2	RAB3 GTPase Activating Non-Catalytic Protein Subunit 2	Protein Coding	Q9H2M9	48	GC01M220222	1.362947
MCM9	Minichromosome Maintenance 9 Homologous Recombination Repair Factor	Protein Coding	Q9NXL9	47	GC06M118813	1.362285
CNP	2',3'-Cyclic Nucleotide 3' Phosphodiesterase	Protein Coding	P09543	53	GC17P041966	1.362268
FAF1	Fas Associated Factor 1	Protein	Q9UNN5	49	GC01M050439	1.359669

		Coding				
TPSAB1	Tryptase Alpha/Beta 1	Protein Coding	Q15661	51	GC16P080183	1.357565
RALA	RAS Like Proto-Oncogene A	Protein Coding	P11233	55	GC07P039622	1.352794
HK2	Hexokinase 2	Protein Coding	P52789	55	GC02P074947	1.35176
PRORP	Protein Only RNase P Catalytic Subunit	Protein Coding	O15091	45	GC14P046125	1.350524
MEIG1	Meiosis/Spermiogenesis Associated 1	Protein Coding	Q5JSS6	37	GC10P014954	1.350524
BRAT1	BRCA1 Associated ATM Activator 1	Protein Coding	Q6PJG6	47	GC07M003091	1.350205
UBR2	Ubiquitin Protein Ligase E3 Component N-Recognin 2	Protein Coding	Q8IWV8	48	GC06P135028	1.347405
MIR4492	MicroRNA 4492	RNA Gene		18	GC11P118910	1.344454
TUBGCP2	Tubulin Gamma Complex Component 2	Protein Coding	Q9BSJ2	48	GC10M133278	1.342975
TMEM175	Transmembrane Protein 175	Protein Coding	Q9BSA9	43	GC04P000932	1.342975
CREB3L2	CAMP Responsive Element Binding Protein 3 Like 2	Protein Coding	Q70SY1	47	GC07M137874	1.340279
TRIM52	Tripartite Motif Containing 52	Protein Coding	Q96A61	37	GC05M182619	1.338791
PEBP1	Phosphatidylethanolamine Binding Protein 1	Protein Coding	P30086	55	GC12P118152	1.336097
KCNMB2	Potassium Calcium-Activated Channel Subfamily M Regulatory Beta Subunit 2	Protein Coding	Q9Y691	44	GC03P178272	1.335874
CEP170B	Centrosomal Protein 170B	Protein Coding	Q9Y4F5	37	GC14P115831	1.330594
USP18	Ubiquitin Specific Peptidase 18	Protein Coding	Q9UMW8	48	GC22P069881	1.328962
TSEN15	TRNA Splicing Endonuclease Subunit 15	Protein Coding	Q8WW01	48	GC01P184061	1.328066

CCDC146	Coiled-Coil Domain Containing 146	Protein Coding	Q8IYE0	40	GC07P077122	1.327905
PTTG1	PTTG1 Regulator Of Sister Chromatid Separation, Securin	Protein Coding	O95997	50	GC05P160430	1.323594
PRPS1	Phosphoribosyl Pyrophosphate Synthetase 1	Protein Coding	P60891	56	GC0XP107628	1.322561
FBXL18	F-Box And Leucine Rich Repeat Protein 18	Protein Coding	Q96ME1	40	GC07M005431	1.322456
ALDH3A2	Aldehyde Dehydrogenase 3 Family Member A2	Protein Coding	P51648	54	GC17P019648	1.317088
ARFGEF2	ADP Ribosylation Factor Guanine Nucleotide Exchange Factor 2	Protein Coding	Q9Y6D5	49	GC20P048921	1.316064
IQCE	IQ Motif Containing E	Protein Coding	Q6IPM2	46	GC07P002558	1.314631
ESRRG	Estrogen Related Receptor Gamma	Protein Coding	P62508	52	GC01M216503	1.313354
ASPA	Aspartoacylase	Protein Coding	P45381	51	GC17P003472	1.313048
IBSP	Integrin Binding Sialoprotein	Protein Coding	P21815	47	GC04P087799	1.312347
NRP2	Neuropilin 2	Protein Coding	O60462	53	GC02P205681	1.308768
SPATS2L	Spermatogenesis Associated Serine Rich 2 Like	Protein Coding	Q9NUQ6	40	GC02P200305	1.308248
KIR2DL1	Killer Cell Immunoglobulin Like Receptor, Two Ig Domains And Long Cytoplasmic Tail 1	Protein Coding	P43626	44	GC19P113694	1.306292
HMGN1	High Mobility Group Nucleosome Binding Domain 1	Protein Coding	P05114	50	GC21M039342	1.303756
SPAM1	Sperm Adhesion Molecule 1	Protein Coding	P38567	48	GC07P123925	1.302477
KATNAL1	Katanin Catalytic Subunit A1 Like 1	Protein Coding	Q9BW62	46	GC13M030202	1.29773
AP1S2	Adaptor Related Protein Complex 1 Subunit Sigma 2	Protein Coding	P56377	50	GC0XM015825	1.292414

SLC14A2	Solute Carrier Family 14 Member 2	Protein Coding	Q15849	47	GC18P045167	1.29121
RFX5	Regulatory Factor X5	Protein Coding	P48382	50	GC01M151340	1.287173
FBLN7	Fibulin 7	Protein Coding	Q53RD9	42	GC02P143665	1.285768
C4BPA	Complement Component 4 Binding Protein Alpha	Protein Coding	P04003	49	GC01P207105	1.284989
NAT10	N-Acetyltransferase 10	Protein Coding	Q9H0A0	46	GC11P034105	1.28455
PADI6	Peptidyl Arginine Deiminase 6	Protein Coding	Q6TGC4	48	GC01P041052	1.283636
HOXA11-AS	HOXA11 Antisense RNA	RNA Gene		28	GC07P027184	1.281012
EDARADD	EDAR Associated Via Death Domain	Protein Coding	Q8WWZ3	46	GC01P236348	1.280099
SRI	Sorcin	Protein Coding	P30626	50	GC07M088205	1.279991
SMC1B	Structural Maintenance Of Chromosomes 1B	Protein Coding	Q8NDV3	45	GC22M045344	1.279019
LOC126807137	CDK7 Strongly-Dependent Group 2 Enhancer GRCh37_chr4:114276560-114277759	Functional Element		6	GC04P113355	1.275984
MIR384	MicroRNA 384	RNA Gene		11	GC0XM076919	1.274196
MIR3182	MicroRNA 3182	RNA Gene		13	GC16P083508	1.272978
PPP1R13B-DT	PPP1R13B Divergent Transcript	RNA Gene		14	GC14P116845	1.272951
BST2	Bone Marrow Stromal Cell Antigen 2	Protein Coding	Q10589	48	GC19M092362	1.270568
PMCH	Pro-Melanin Concentrating Hormone	Protein Coding	P20382	43	GC12M102196	1.270455
MOCS2	Molybdenum Cofactor Synthesis 2	Protein Coding	O96033	52	GC05M053095	1.268007
SLC38A2	Solute Carrier Family 38 Member 2	Protein Coding	Q96QD8	48	GC12M046358	1.267967
D2HGDH	D-2-Hydroxyglutarate Dehydrogenase	Protein Coding	Q8N465	49	GC02P241734	1.267438

CDH17	Cadherin 17	Protein Coding	Q12864	51	GC08M094127	1.262898
EXOSC2	Exosome Component 2	Protein Coding	Q13868	49	GC09P130693	1.257481
REL	REL Proto-Oncogene, NF-KB Subunit	Protein Coding	Q04864	55	GC02P060881	1.256933
PTK7	Protein Tyrosine Kinase 7 (Inactive)	Protein Coding	Q13308	52	GC06P043076	1.256472
NR2F1-AS1	NR2F1 Antisense RNA 1	RNA Gene		23	GC05M093265	1.254094
HERC2	HECT And RLD Domain Containing E3 Ubiquitin Protein Ligase 2	Protein Coding	O95714	54	GC15M028111	1.253727
ARX	Aristaless Related Homeobox	Protein Coding	Q96QS3	52	GC0XM025003	1.247859
ANGPTL3	Angiopoietin Like 3	Protein Coding	Q9Y5C1	56	GC01P062597	1.24728
TARS3	Threonyl-TRNA Synthetase 3	Protein Coding	A2RTX5	41	GC15M151545	1.245849
MIR135B	MicroRNA 135b	RNA Gene		28	GC01M205448	1.245344
IRF2	Interferon Regulatory Factor 2	Protein Coding	P14316	51	GC04M184387	1.245014
IFN1@	Interferon, Type 1, Cluster	Gene Cluster		5	GC09U990039	1.244287
SDHAF1	Succinate Dehydrogenase Complex Assembly Factor 1	Protein Coding	A6NFY7	43	GC19P035995	1.230898
MARS2	Methionyl-TRNA Synthetase 2, Mitochondrial	Protein Coding	Q96GW9	51	GC02P197705	1.229759
PI4K2B	Phosphatidylinositol 4-Kinase Type 2 Beta	Protein Coding	Q8TCG2	48	GC04P025432	1.229759
MIR522	MicroRNA 522	RNA Gene		15	GC19P053751	1.229655
CNTF	Ciliary Neurotrophic Factor	Protein Coding	P26441	51	GC11P058622	1.2282
EOLA2-DT	EOLA2 Divergent Transcript	RNA Gene		18	GC0XP149932	1.226704
HOXB-AS1	HOXB Cluster Antisense RNA 1	RNA Gene		17	GC17P048543	1.226704
C4BPB	Complement Component 4 Binding Protein Beta	Protein	P20851	46	GC01P207088	1.222093

		Coding				
GYS2	Glycogen Synthase 2	Protein Coding	P54840	53	GC12M029641	1.221267
NR1D2	Nuclear Receptor Subfamily 1 Group D Member 2	Protein Coding	Q14995	47	GC03P023945	1.221181
PRICKLE2	Prickle Planar Cell Polarity Protein 2	Protein Coding	Q7Z3G6	48	GC03M064092	1.220608
TEAD1	TEA Domain Transcription Factor 1	Protein Coding	P28347	53	GC11P012674	1.219419
NXPH1	Neurexophilin 1	Protein Coding	P58417	39	GC07P011685	1.217697
MT-TT	Mitochondrially Encoded TRNA-Thr (ACN)	RNA Gene		22	GCMTP015890	1.217599
ACAA1	Acetyl-CoA Acyltransferase 1	Protein Coding	P09110	49	GC03M038103	1.215247
BRD3	Bromodomain Containing 3	Protein Coding	Q15059	48	GC09M134030	1.213571
KYNU	Kynureninase	Protein Coding	Q16719	55	GC02P142877	1.213057
CLEC10A	C-Type Lectin Domain Containing 10A	Protein Coding	Q8IUN9	45	GC17M007074	1.209574
STEAP1B	STEAP Family Member 1B	Protein Coding	Q6NZ63	30	GC07M022419	1.203938
MIR365A	MicroRNA 365a	RNA Gene		25	GC16P014309	1.201835
LURAP1L	Leucine Rich Adaptor Protein 1 Like	Protein Coding	Q8IV03	38	GC09P012775	1.200228
TMPRSS4	Transmembrane Serine Protease 4	Protein Coding	Q9NRS4	48	GC11P118077	1.196359
RBM5	RNA Binding Motif Protein 5	Protein Coding	P52756	46	GC03P057658	1.194486
FAM3C	FAM3 Metabolism Regulating Signaling Molecule C	Protein Coding	Q92520	45	GC07M121373	1.194184
CEBPZ	CCAAT Enhancer Binding Protein Zeta	Protein Coding	Q03701	46	GC02M037201	1.191472
SCG2	Secretogranin II	Protein	P13521	46	GC02M223596	1.191278

		Coding				
MIR3175	MicroRNA 3175	RNA Gene		16	GC15P092904	1.189948
KCNQ5	Potassium Voltage-Gated Channel Subfamily Q Member 5	Protein Coding	Q9NR82	51	GC06P072621	1.188639
DRAM2	DNA Damage Regulated Autophagy Modulator 2	Protein Coding	Q6UX65	45	GC01M111117	1.185689
CYB5A	Cytochrome B5 Type A	Protein Coding	P00167	52	GC18M074250	1.185213
GP9	Glycoprotein IX Platelet	Protein Coding	P14770	55	GC03P139003	1.180582
PTPRZ1	Protein Tyrosine Phosphatase Receptor Type Z1	Protein Coding	P23471	52	GC07P121873	1.179714
SLC25A46	Solute Carrier Family 25 Member 46	Protein Coding	Q96AG3	47	GC05P110738	1.178085
LMCD1-AS1	LMCD1 Antisense RNA 1	RNA Gene		16	GC03M007928	1.177736
AMPD3	Adenosine Monophosphate Deaminase 3	Protein Coding	Q01432	51	GC11P011178	1.175356
RNF217-AS1	RNF217 Antisense RNA 1 (Head To Head)	RNA Gene		19	GC06M124563	1.174978
EIF2B5	Eukaryotic Translation Initiation Factor 2B Subunit Epsilon	Protein Coding	Q13144	51	GC03P184135	1.173945
NOBOX	NOBOX Oogenesis Homeobox	Protein Coding	O60393	44	GC07M144397	1.172429
SLC6A6	Solute Carrier Family 6 Member 6	Protein Coding	P31641	51	GC03P014402	1.163741
CEP295	Centrosomal Protein 295	Protein Coding	Q9C0D2	38	GC11P093661	1.161598
RBFOX2	RNA Binding Fox-1 Homolog 2	Protein Coding	O43251	47	GC22M035738	1.161308
TRIT1	TRNA Isopentenyltransferase 1	Protein Coding	Q9H3H1	49	GC01M039842	1.152582
MSMO1	Methylsterol Monooxygenase 1	Protein Coding	Q15800	51	GC04P165327	1.152154
MFF-DT	MFF Divergent Transcript	RNA Gene		20	GC02M227223	1.150789

AICDA	Activation Induced Cytidine Deaminase	Protein Coding	Q9GZX7	52	GC12M008602	1.15011
SNHG12	Small Nucleolar RNA Host Gene 12	RNA Gene	Q9BXW3	30	GC01M031297	1.149233
RXFP2	Relaxin Family Peptide Receptor 2	Protein Coding	Q8WXD0	51	GC13P031739	1.147642
IL17D	Interleukin 17D	Protein Coding	Q8TAD2	46	GC13P020727	1.147589
ASGR1	Asialoglycoprotein Receptor 1	Protein Coding	P07306	49	GC17M007173	1.142913
CREM	CAMP Responsive Element Modulator	Protein Coding	Q03060	48	GC10P035126	1.142266
INS-IGF2	INS-IGF2 Readthrough	Protein Coding	F8WCM5	35	GC11M011908	1.142045
MR1	Major Histocompatibility Complex, Class I-Related	Protein Coding	Q95460	49	GC01P181033	1.14039
PTH2R	Parathyroid Hormone 2 Receptor	Protein Coding	P49190	51	GC02P208359	1.14033
KEL	Kell Metallo-Endopeptidase (Kell Blood Group)	Protein Coding	P23276	48	GC07M143114	1.14033
LHX8	LIM Homeobox 8	Protein Coding	Q68G74	45	GC01P075128	1.14033
MND1	Meiotic Nuclear Divisions 1	Protein Coding	Q9BWT6	45	GC04P153344	1.14033
ILF2	Interleukin Enhancer Binding Factor 2	Protein Coding	Q12905	47	GC01M153661	1.137842
PCDH15	Protocadherin Related 15	Protein Coding	Q96QU1	51	GC10M053802	1.135839
PREP	Prolyl Endopeptidase	Protein Coding	P48147	51	GC06M105277	1.125396
SEC24D	SEC24 Homolog D, COPII Coat Complex Component	Protein Coding	O94855	51	GC04M118722	1.12514
WARS2	Tryptophanyl TRNA Synthetase 2, Mitochondrial	Protein Coding	Q9UGM6	52	GC01M119031	1.116066
TRIM27	Tripartite Motif Containing 27	Protein	P14373	46	GC06M028903	1.113943

		Coding				
NFIL3	Nuclear Factor, Interleukin 3 Regulated	Protein Coding	Q16649	45	GC09M091409	1.113123
PRLR	Prolactin Receptor	Protein Coding	P16471	57	GC05M035048	1.112813
NRCAM	Neuronal Cell Adhesion Molecule	Protein Coding	Q92823	53	GC07M108147	1.11074
SAMD12	Sterile Alpha Motif Domain Containing 12	Protein Coding	Q8N8I0	45	GC08M118131	1.110244
TSC22D3	TSC22 Domain Family Member 3	Protein Coding	Q99576	48	GC0XM107713	1.110208
ZDHHC15	Zinc Finger DHHC-Type Palmitoyltransferase 15	Protein Coding	Q96MV8	45	GC0XM075368	1.109946
MIR450A2	MicroRNA 450a-2	RNA Gene		16	GC0XM134758	1.109111
RALBP1	RalA Binding Protein 1	Protein Coding	Q15311	51	GC18P009465	1.107749
MIR203B	MicroRNA 203b	RNA Gene		15	GC14M119923	1.106893
LINC00323	Long Intergenic Non-Protein Coding RNA 323	RNA Gene		24	GC21M041141	1.106847
PPL	Periplakin	Protein Coding	O60437	47	GC16M020544	1.106196
EVPL	Envoplakin	Protein Coding	Q92817	45	GC17M076004	1.106196
LOC111718493	Skeletal Muscle Cis-Regulatory Module Overlapping ALPK3	Functional Element		6	GC15P158139	1.104372
EXOSC7	Exosome Component 7	Protein Coding	Q15024	46	GC03P057371	1.101109
KRT76	Keratin 76	Protein Coding	Q01546	43	GC12M052768	1.09945
RNF4	Ring Finger Protein 4	Protein Coding	P78317	47	GC04P002462	1.09689
UBE2G2	Ubiquitin Conjugating Enzyme E2 G2	Protein Coding	P60604	50	GC21M044768	1.090841
ZMYM2	Zinc Finger MYM-Type Containing 2	Protein Coding	Q9UBW7	50	GC13P020468	1.083827

PIAS3	Protein Inhibitor Of Activated STAT 3	Protein Coding	Q9Y6X2	50	GC01M145848	1.082943
CDCA7L	Cell Division Cycle Associated 7 Like	Protein Coding	Q96GN5	47	GC07M021900	1.081028
KLHL3	Kelch Like Family Member 3	Protein Coding	Q9UH77	50	GC05M137617	1.079475
DNAJB9	DnaJ Heat Shock Protein Family (Hsp40) Member B9	Protein Coding	Q9UBS3	43	GC07P108569	1.078023
IRF9	Interferon Regulatory Factor 9	Protein Coding	Q00978	53	GC14P024161	1.077853
MLLT3	MLLT3 Super Elongation Complex Subunit	Protein Coding	P42568	47	GC09M020341	1.07751
CENPJ	Centromere Protein J	Protein Coding	Q9HC77	50	GC13M024882	1.077465
PIAS4	Protein Inhibitor Of Activated STAT 4	Protein Coding	Q8N2W9	47	GC19P004007	1.077029
WDR5	WD Repeat Domain 5	Protein Coding	P61964	51	GC09P134135	1.076113
MSBP2	Minisatellite Binding Protein 2	Protein Coding		5	GC00U990214	1.075391
EDAR	Ectodysplasin A Receptor	Protein Coding	Q9UNE0	50	GC02M108894	1.074124
EPHB3	EPH Receptor B3	Protein Coding	P54753	54	GC03P184561	1.073586
DEFA5	Defensin Alpha 5	Protein Coding	Q01523	46	GC08M007057	1.067749
UFM1	Ubiquitin Fold Modifier 1	Protein Coding	P61960	50	GC13P038349	1.065335
MBD6	Methyl-CpG Binding Domain Protein 6	Protein Coding	Q96DN6	45	GC12P057520	1.060207
ITM2B	Integral Membrane Protein 2B	Protein Coding	Q9Y287	53	GC13P048233	1.058947
ARMC5	Armadillo Repeat Containing 5	Protein Coding	Q96C12	45	GC16P081733	1.058192
PAICS	Phosphoribosylaminoimidazole Carboxylase And	Protein	P22234	51	GC04P056435	1.054044

	Phosphoribosylaminoimidazolesuccinocarboxamide Synthase	Coding				
ECM1	Extracellular Matrix Protein 1	Protein Coding	Q16610	53	GC01P150508	1.053984
KIR2DL3	Killer Cell Immunoglobulin Like Receptor, Two Ig Domains And Long Cytoplasmic Tail 3	Protein Coding	P43628	45	GC19P114637	1.050295
SPAST	Spastin	Protein Coding	Q9UBP0	51	GC02P032063	1.044871
PAPSS1	3'-Phosphoadenosine 5'-Phosphosulfate Synthase 1	Protein Coding	O43252	50	GC04M107590	1.043103
CERS6	Ceramide Synthase 6	Protein Coding	Q6ZMG9	47	GC02P168466	1.037855
ETV1	ETS Variant Transcription Factor 1	Protein Coding	P50549	53	GC07M013891	1.037005
ELMO2	Engulfment And Cell Motility 2	Protein Coding	Q96JJ3	45	GC20M046366	1.031507
EEF2K	Eukaryotic Elongation Factor 2 Kinase	Protein Coding	O00418	54	GC16P081129	1.031328
CRB1	Crumbs Cell Polarity Complex Component 1	Protein Coding	P82279	51	GC01P197208	1.02891
OCLN	Occludin	Protein Coding	Q16625	52	GC05P069492	1.027161
EXOSC5	Exosome Component 5	Protein Coding	Q9NQT4	50	GC19M092802	1.025717
EXOSC4	Exosome Component 4	Protein Coding	Q9NPD3	44	GC08P146962	1.025717
PRIMPOL	Primase And DNA Directed Polymerase	Protein Coding	Q96LW4	43	GC04P184649	1.023783
MTRFR	Mitochondrial Translation Release Factor In Rescue	Protein Coding	Q9H3J6	42	GC12P133296	1.020315
TRIM24	Tripartite Motif Containing 24	Protein Coding	O15164	54	GC07P138460	1.020201
RBL2	RB Transcriptional Corepressor Like 2	Protein Coding	Q08999	53	GC16P053433	1.019461

MIR518E	MicroRNA 518e	RNA Gene		23	GC19P053729	1.017664
NEFH	Neurofilament Heavy Chain	Protein Coding	P12036	54	GC22P029480	1.014641
ANG	Angiogenin	Protein Coding	P03950	53	GC14P045735	1.01045
STMN2	Stathmin 2	Protein Coding	Q93045	48	GC08P079610	1.006896
SEPTIN8	Septin 8	Protein Coding	Q92599	44	GC05M132751	1.005469
BANF2	BANF Family Member 2	Protein Coding	Q9H503	41	GC20P017694	1.002909
SSC4D	Scavenger Receptor Cysteine Rich Family Member With 4 Domains	Protein Coding	Q8WTU2	38	GC07M078606	0.999729
LSP1	Lymphocyte Specific Protein 1	Protein Coding	P33241	48	GC11P010661	0.999379
PRR18	Proline Rich 18	Protein Coding	Q8N4B5	34	GC06M166305	0.997109
DRD5	Dopamine Receptor D5	Protein Coding	P21918	54	GC04P009783	0.996681
AKR7A2	Aldo-Keto Reductase Family 7 Member A2	Protein Coding	O43488	47	GC01M019302	0.995515
WFS1	Wolframin ER Transmembrane Glycoprotein	Protein Coding	O76024	54	GC04P006269	0.993307
SHARPIN	SHANK Associated RH Domain Interactor	Protein Coding	Q9H0F6	46	GC08M144098	0.992593
TNFRSF10C	TNF Receptor Superfamily Member 10c	Protein Coding	O14798	48	GC08P023102	0.992299
GDF9	Growth Differentiation Factor 9	Protein Coding	O60383	50	GC05M132861	0.984768
NEK11	NIMA Related Kinase 11	Protein Coding	Q8NG66	44	GC03P131026	0.984719
VMP1	Vacuole Membrane Protein 1	Protein Coding	Q96GC9	43	GC17P059707	0.984477
PCK1	Phosphoenolpyruvate Carboxykinase 1	Protein	P35558	56	GC20P057561	0.983252

		Coding				
TRPM8	Transient Receptor Potential Cation Channel Subfamily M Member 8	Protein Coding	Q7Z2W7	54	GC02P233917	0.982368
EGR2	Early Growth Response 2	Protein Coding	P11161	53	GC10M062811	0.981522
EEF1G	Eukaryotic Translation Elongation Factor 1 Gamma	Protein Coding	P26641	46	GC11M125232	0.979001
LECT2	Leukocyte Cell Derived Chemotaxin 2	Protein Coding	O14960	45	GC05M135922	0.977044
CASP6	Caspase 6	Protein Coding	P55212	57	GC04M109688	0.976875
ESCO1	Establishment Of Sister Chromatid Cohesion N-Acetyltransferase 1	Protein Coding	Q5FWF5	45	GC18M021529	0.97293
GOLGA2	Golgin A2	Protein Coding	Q08379	49	GC09M128255	0.968654
UBE2D2	Ubiquitin Conjugating Enzyme E2 D2	Protein Coding	P62837	50	GC05P139526	0.966815
DUX4	Double Homeobox 4	Protein Coding	Q9UBX2	36	GC04P190173	0.962038
OBSL1	Obscurin Like Cytoskeletal Adaptor 1	Protein Coding	O75147	45	GC02M219622	0.961724
APOBEC3G	Apolipoprotein B MRNA Editing Enzyme Catalytic Subunit 3G	Protein Coding	Q9HC16	50	GC22P070605	0.957834
PPIC	Peptidylprolyl Isomerase C	Protein Coding	P45877	49	GC05M123023	0.952406
CRADD	CASP2 And RIPK1 Domain Containing Adaptor With Death Domain	Protein Coding	P78560	50	GC12P093677	0.950485
HTR2C	5-Hydroxytryptamine Receptor 2C	Protein Coding	P28335	53	GC0XP114584	0.948977
NPC1L1	NPC1 Like Intracellular Cholesterol Transporter 1	Protein Coding	Q9UHC9	53	GC07M044512	0.946853
NDN	Necdin, MAGE Family Member	Protein Coding	Q99608	51	GC15M027264	0.94685
MIR519A1	MicroRNA 519a-1	RNA Gene		17	GC19P053752	0.945578

LY86-AS1	LY86 Antisense RNA 1	RNA Gene		19	GC06M006349	0.944258
SEC31A	SEC31 Homolog A, COPII Coat Complex Component	Protein Coding	O94979	51	GC04M082818	0.940054
SGO2	Shugoshin 2	Protein Coding	Q562F6	43	GC02P200511	0.933502
UNC13A	Unc-13 Homolog A	Protein Coding	Q9UPW8	49	GC19M092370	0.931375
SPAG9	Sperm Associated Antigen 9	Protein Coding	O60271	47	GC17M050962	0.928586
CNGA2	Cyclic Nucleotide Gated Channel Subunit Alpha 2	Protein Coding	Q16280	45	GC0XP151734	0.928217
CASC9	Cancer Susceptibility 9	RNA Gene		21	GC08M075132	0.927378
PPOX	Protoporphyrinogen Oxidase	Protein Coding	P50336	52	GC01P164874	0.917194
ART3	ADP-Ribosyltransferase 3 (Inactive)	Protein Coding	Q13508	47	GC04P076011	0.912482
BAG6	BAG Cochaperone 6	Protein Coding	P46379	47	GC06M031639	0.907597
PEX2	Peroxisomal Biogenesis Factor 2	Protein Coding	P28328	51	GC08M076980	0.907463
NANS	N-Acetylneuraminate Synthase	Protein Coding	Q9NR45	50	GC09P098056	0.906616
B3GALNT2	Beta-1,3-N-Acetylgalactosaminyltransferase 2	Protein Coding	Q8NCR0	49	GC01M235440	0.906616
MID2	Midline 2	Protein Coding	Q9UJV3	45	GC0XP107825	0.903354
DMRTC1B	DMRT Like Family C1B	Protein Coding	Q5HYR2	27	GC0XP072960	0.903164
PVR	PVR Cell Adhesion Molecule	Protein Coding	P15151	52	GC19P113239	0.898464
SNORD47	Small Nucleolar RNA, C/D Box 47	RNA Gene		16	GC01M174944	0.898464
MTFMT	Mitochondrial Methionyl-TRNA Formyltransferase	Protein Coding	Q96DP5	48	GC15M065001	0.897774
SLC26A5	Solute Carrier Family 26 Member 5	Protein	P58743	51	GC07M103352	0.896461

		Coding				
HOTAIRM1	HOXA Transcript Antisense RNA, Myeloid-Specific 1	RNA Gene		27	GC07P027095	0.893245
BLZF1	Basic Leucine Zipper Nuclear Factor 1	Protein Coding	Q9H2G9	46	GC01P169367	0.89321
CLIP1	CAP-Gly Domain Containing Linker Protein 1	Protein Coding	P30622	51	GC12M122271	0.888281
ST3GAL4	ST3 Beta-Galactoside Alpha-2,3-Sialyltransferase 4	Protein Coding	Q11206	51	GC11P126355	0.887772
ANGPTL1	Angiopoietin Like 1	Protein Coding	O95841	44	GC01M178849	0.885037
CTNNAL1	Catenin Alpha Like 1	Protein Coding	Q9UBT7	46	GC09M108942	0.874105
PPP2R5D	Protein Phosphatase 2 Regulatory Subunit B'Delta	Protein Coding	Q14738	54	GC06P135036	0.8673
HFM1	Helicase For Meiosis 1	Protein Coding	A2PYH4	48	GC01M091260	0.867012
REC8	REC8 Meiotic Recombination Protein	Protein Coding	O95072	45	GC14P024171	0.867012
ZNF98	Zinc Finger Protein 98	Protein Coding	A6NK75	34	GC19M022391	0.857243
P2RX2	Purinergic Receptor P2X 2	Protein Coding	Q9UBL9	52	GC12P132618	0.855113
MYMX	Myomixer, Myoblast Fusion Factor	Protein Coding	A0A1B0GTQ4	25	GC06P135064	0.85404
G6PC2	Glucose-6-Phosphatase Catalytic Subunit 2	Protein Coding	Q9NQR9	46	GC02P168901	0.853676
HSD17B3	Hydroxysteroid 17-Beta Dehydrogenase 3	Protein Coding	P37058	54	GC09M109556	0.852083
CLEC4G	C-Type Lectin Domain Family 4 Member G	Protein Coding	Q6UXB4	47	GC19M007728	0.850935
MIR613	MicroRNA 613	RNA Gene		15	GC12P039208	0.850904
TYRO3	TYRO3 Protein Tyrosine Kinase	Protein Coding	Q06418	56	GC15P041557	0.850515

STAMBP	STAM Binding Protein	Protein Coding	O95630	52	GC02P073828	0.848112
PASK	PAS Domain Containing Serine/Threonine Kinase	Protein Coding	Q96RG2	49	GC02M241106	0.844635
RBM28	RNA Binding Motif Protein 28	Protein Coding	Q9NW13	46	GC07M129032	0.844635
PDE1C	Phosphodiesterase 1C	Protein Coding	Q14123	50	GC07M031616	0.843317
MAPK13	Mitogen-Activated Protein Kinase 13	Protein Coding	O15264	55	GC06P134978	0.842639
MIR651	MicroRNA 651	RNA Gene		20	GC0XP008127	0.841542
MIR875	MicroRNA 875	RNA Gene		19	GC08M099538	0.841542
MIR521-2	MicroRNA 521-2	RNA Gene		17	GC19P113656	0.841542
PRRG4	Proline Rich And Gla Domain 4	Protein Coding	Q9BZD6	41	GC11P032829	0.834078
PRXL2A	Peroxiredoxin Like 2A	Protein Coding	Q9BRX8	41	GC10P112439	0.833178
ZNF697	Zinc Finger Protein 697	Protein Coding	Q5TEC3	37	GC01M119619	0.830356
HS3ST1	Heparan Sulfate-Glucosamine 3-Sulfotransferase 1	Protein Coding	O14792	50	GC04M011394	0.829182
MTA1	Metastasis Associated 1	Protein Coding	Q13330	51	GC14P105419	0.824815
PCDH9	Protocadherin 9	Protein Coding	Q9HC56	46	GC13M066302	0.823627
PALS1	Protein Associated With LIN7 1, MAGUK P55 Family Member	Protein Coding	Q8N3R9	46	GC14P067240	0.822008
DIAPH2	Diaphanous Related Formin 2	Protein Coding	O60879	51	GC0XP096684	0.819898
NANOS3	Nanos C2HC-Type Zinc Finger 3	Protein Coding	P60323	44	GC19P013862	0.819898
PDLIM7	PDZ And LIM Domain 7	Protein Coding	Q9NR12	49	GC05M177483	0.81093
FKBP4	FKBP Prolyl Isomerase 4	Protein	Q02790	53	GC12P003347	0.806421

		Coding				
ABRAXAS1	Abraxas 1, BRCA1 A Complex Subunit	Protein Coding	Q6UWZ7	46	GC04M083464	0.796464
FAM20B	FAM20B Glycosaminoglycan Xylosylkinase	Protein Coding	O75063	46	GC01P179025	0.793782
HGD	Homogentisate 1,2-Dioxygenase	Protein Coding	Q93099	52	GC03M120628	0.791957
PCCB	Propionyl-CoA Carboxylase Subunit Beta	Protein Coding	P05166	55	GC03P136250	0.785829
EGFL7	EGF Like Domain Multiple 7	Protein Coding	Q9UHF1	44	GC09P136658	0.777856
NLRP5	NLR Family Pyrin Domain Containing 5	Protein Coding	P59047	48	GC19P113736	0.777487
SMANTIS	SMARCA4 Interacting SWI/SNF Chromatin Remodeling Complex Scaffold LncRNA	RNA Gene		10	GC02M069792	0.771043
PLSCR1	Phospholipid Scramblase 1	Protein Coding	O15162	50	GC03M146515	0.770816
ACYP2	Acylphosphatase 2	Protein Coding	P14621	46	GC02P053970	0.769849
AAK1	AP2 Associated Kinase 1	Protein Coding	Q2M2I8	50	GC02M069459	0.767473
COBL	Cordon-Bleu WH2 Repeat Protein	Protein Coding	O75128	43	GC07M051016	0.764855
GSS	Glutathione Synthetase	Protein Coding	P48637	54	GC20M034928	0.764743
MAFK	MAF BZIP Transcription Factor K	Protein Coding	O60675	45	GC07P011364	0.76455
ADRA1B	Adrenoceptor Alpha 1B	Protein Coding	P35368	52	GC05P159867	0.763071
CALCOCO1	Calcium Binding And Coiled-Coil Domain 1	Protein Coding	Q9P1Z2	44	GC12M053795	0.758349
MFSD8	Major Facilitator Superfamily Domain Containing 8	Protein Coding	Q8NHS3	45	GC04M127917	0.751582
EFR3A	EFR3 Homolog A	Protein	Q14156	40	GC08P131904	0.750466

		Coding				
OCM2	Oncomodulin 2	Protein Coding	P0CE71	35	GC07M097984	0.743543
LOC101448202	Uncharacterized LOC101448202	RNA Gene		15	GC09M134819	0.739515
UGT2B4	UDP Glucuronosyltransferase Family 2 Member B4	Protein Coding	P06133	47	GC04M069484	0.735247
MANF	Mesencephalic Astrocyte Derived Neurotrophic Factor	Protein Coding	P55145	48	GC03P051385	0.734527
MIR4306	MicroRNA 4306	RNA Gene		12	GC13P099643	0.73415
GNGT1	G Protein Subunit Gamma Transducin 1	Protein Coding	P63211	48	GC07P093591	0.730609
PAOX	Polyamine Oxidase	Protein Coding	Q6QHF9	46	GC10P133379	0.730017
PPP1R14A	Protein Phosphatase 1 Regulatory Inhibitor Subunit 14A	Protein Coding	Q96A00	47	GC19M038251	0.728703
DDB1	Damage Specific DNA Binding Protein 1	Protein Coding	Q16531	53	GC11M125190	0.726333
GPR37	G Protein-Coupled Receptor 37	Protein Coding	O15354	51	GC07M124745	0.723002
BPGM	Bisphosphoglycerate Mutase	Protein Coding	P07738	53	GC07P134646	0.720335
NDUFS3	NADH:Ubiquinone Oxidoreductase Core Subunit S3	Protein Coding	O75489	54	GC11P047791	0.716891
WWP1	WW Domain Containing E3 Ubiquitin Protein Ligase 1	Protein Coding	Q9H0M0	48	GC08P086342	0.707093
MRM2	Mitochondrial RRNA Methyltransferase 2	Protein Coding	Q9UI43	45	GC07M002234	0.703352
KIAA0319	KIAA0319	Protein Coding	Q5VV43	48	GC06M024545	0.698995
HOXA13	Homeobox A13	Protein Coding	P31271	49	GC07M028017	0.697666
CTNS	Cystinosin, Lysosomal Cystine Transporter	Protein Coding	O60931	53	GC17P003636	0.697666
THRB	Thyroid Hormone Receptor Beta	Protein	P10828	58	GC03M024117	0.696319

		Coding				
RPS5	Ribosomal Protein S5	Protein Coding	P46782	47	GC19P058386	0.687988
APOBEC3A	Apolipoprotein B MRNA Editing Enzyme Catalytic Subunit 3A	Protein Coding	P31941	46	GC22P038952	0.686126
PMEPA1	Prostate Transmembrane Protein, Androgen Induced 1	Protein Coding	Q969W9	46	GC20M057648	0.686126
H3C14	H3 Clustered Histone 14	Protein Coding	Q71DI3	40	GC01M160725	0.676078
RIF1	Replication Timing Regulatory Factor 1	Protein Coding	Q5UIP0	47	GC02P151409	0.667739
MIR449C	MicroRNA 449c	RNA Gene		20	GC05M055173	0.656401
EN2	Engrailed Homeobox 2	Protein Coding	P19622	50	GC07P158257	0.649809
ATG12	Autophagy Related 12	Protein Coding	O94817	48	GC05M115828	0.643786
G3BP1	G3BP Stress Granule Assembly Factor 1	Protein Coding	Q13283	49	GC05P151771	0.64297
P2RX3	Purinergic Receptor P2X 3	Protein Coding	P56373	52	GC11P057335	0.637665
NAPA	NSF Attachment Protein Alpha	Protein Coding	P54920	45	GC19M093011	0.636807
PNOC	Prepronociceptin	Protein Coding	Q13519	47	GC08P028316	0.628234
NFASC	Neurofascin	Protein Coding	O94856	52	GC01P204828	0.621499
MCRS1	Microspherule Protein 1	Protein Coding	Q96EZ8	45	GC12M051228	0.619406
GREM2	Gremlin 2, DAN Family BMP Antagonist	Protein Coding	Q9H772	48	GC01M240489	0.614818
SFXN2	Sideroflexin 2	Protein Coding	Q96NB2	45	GC10P102714	0.61307
IPO13	Importin 13	Protein Coding	O94829	46	GC01P049194	0.607469

NDUFA5	NADH:Ubiquinone Oxidoreductase Subunit A5	Protein Coding	Q16718	48	GC07M123536	0.597217
FIBCD1	Fibrinogen C Domain Containing 1	Protein Coding	Q8N539	41	GC09M130902	0.5941
RFT1	RFT1 Homolog	Protein Coding	Q96AA3	44	GC03M053919	0.573071
ICOSLG	Inducible T Cell Costimulator Ligand	Protein Coding	O75144	48	GC21M044313	0.544837
DEFA6	Defensin Alpha 6	Protein Coding	Q01524	38	GC08M006924	0.540036
PKN1	Protein Kinase N1	Protein Coding	Q16512	53	GC19P014433	0.529714
P3H4	Prolyl 3-Hydroxylase Family Member 4 (Inactive)	Protein Coding	Q92791	45	GC17M041801	0.524203
DAOA-AS1	DAOA Antisense RNA 1	RNA Gene		25	GC13M105459	0.523657
FOLR2	Folate Receptor Beta	Protein Coding	P14207	52	GC11P072216	0.473086
MAP3K1	Mitogen-Activated Protein Kinase Kinase Kinase 1	Protein Coding	Q13233	58	GC05P056815	0.470056
SLC44A4	Solute Carrier Family 44 Member 4	Protein Coding	Q53GD3	46	GC06M031863	0.457292
ZNF676	Zinc Finger Protein 676	Protein Coding	Q8N7Q3	40	GC19M092499	0.457292
MIR138-2	MicroRNA 138-2	RNA Gene		23	GC16P082486	0.456098
PDE9A	Phosphodiesterase 9A	Protein Coding	O76083	51	GC21P042653	0.451104
RPL4	Ribosomal Protein L4	Protein Coding	P36578	49	GC15M066498	0.448961
CD109	CD109 Molecule	Protein Coding	Q6YHK3	45	GC06P135445	0.425572
CLCF1	Cardiotrophin Like Cytokine Factor 1	Protein Coding	Q9UBD9	48	GC11M067364	0.421196
MIR137	MicroRNA 137	RNA Gene		25	GC01M098046	0.414952
HOXA9	Homeobox A9	Protein	P31269	45	GC07M027162	0.412809

		Coding				
LSR	Lipolysis Stimulated Lipoprotein Receptor	Protein Coding	Q86X29	46	GC19P112927	0.410178
AGAP3	ArfGAP With GTPase Domain, Ankyrin Repeat And PH Domain 3	Protein Coding	Q96P47	39	GC07P151085	0.40662
HADHAP1	HADHA Pseudogene 1	Pseudogene		9	GC04M165403	0.401971
ACP3	Acid Phosphatase 3	Protein Coding	P15309	52	GC03P139054	0.370468
MIR1307	MicroRNA 1307	RNA Gene		22	GC10M103394	0.367837
LINC00861	Long Intergenic Non-Protein Coding RNA 861	RNA Gene		17	GC08M136024	0.367837
MIR519A2	MicroRNA 519a-2	RNA Gene		15	GC19P053762	0.367837
MIR650	MicroRNA 650	RNA Gene		13	GC22P022822	0.367837
TRP-AGG2-6	TRNA-Pro (Anticodon AGG) 2-6	RNA Gene		13	GC14M026911	0.367837
MIR3163	MicroRNA 3163	RNA Gene		12	GC11M066934	0.367837
MIR761	MicroRNA 761	RNA Gene		12	GC01M051836	0.367837
UCMA	Upper Zone Of Growth Plate And Cartilage Matrix Associated	Protein Coding	Q8WVF2	41	GC10M013222	0.365694
TTTY15	Testis Expressed Transcript, Y-Linked 15	RNA Gene		17	GC0YP012665	0.365694
EEF1A2	Eukaryotic Translation Elongation Factor 1 Alpha 2	Protein Coding	Q05639	55	GC20M063488	0.323354
ZNF492	Zinc Finger Protein 492	Protein Coding	Q9P255	37	GC19P022634	0.323354
SNAI3-AS1	SNAI3 Antisense RNA 1	RNA Gene		18	GC16P088663	0.323354