

Table SII. Significantly differentially expressed mRNAs of GSE23558 data series with the criteria of adjusted P<0.05 and logFC>1.5.

Probe ID	Adjusted P-value	logFC	Gene symbol	Gene title
A_23_P157793	1.52x10 ⁻⁵	6.91	CA9	carbonic anhydrase 9
A_23_P161698	1.14x10 ⁻⁴	5.86	MMP3	matrix metalloproteinase 3
A_23_P25150	1.49x10 ⁻⁹	5.67	HOXC9	homeobox C9
A_23_P13094	3.26x10 ⁻⁴	5.56	MMP10	matrix metalloproteinase 10
A_23_P48570	2.36x10 ⁻⁵	5.48	DHRS2	dehydrogenase
A_23_P125278	3.03x10 ⁻³	5.40	CXCL11	C-X-C motif chemokine ligand 11
A_23_P321501	1.63x10 ⁻⁵	5.38	DHRS2	dehydrogenase
A_23_P431388	2.27x10 ⁻⁶	5.33	SPOCD1	SPOC domain containing 1
A_24_P20607	5.13x10 ⁻⁴	5.32	CXCL11	C-X-C motif chemokine ligand 11
A_24_P11061	3.70x10 ⁻³	5.30	CSAG1	chondrosarcoma associated gene 1
A_23_P87700	1.03x10 ⁻⁴	5.25	MFAP5	microfibrillar associated protein 5
A_23_P150979	1.81x10 ⁻²	5.25	MUCL1	mucin like 1
A_23_P1691	2.71x10 ⁻⁸	5.12	MMP1	matrix metalloproteinase 1
A_23_P350005	2.53x10 ⁻⁴	5.12	TRIML2	tripartite motif family like 2
A_24_P303091	1.23x10 ⁻³	4.99	CXCL10	C-X-C motif chemokine ligand 10
A_24_P923612	1.60x10 ⁻⁵	4.95	PTH1H	parathyroid hormone like hormone
A_23_P7313	6.03x10 ⁻⁵	4.94	SPP1	secreted phosphoprotein 1
A_23_P122924	2.45x10 ⁻⁸	4.93	INHBA	inhibin β A subunit
A_32_P155460	6.56x10 ⁻³	4.91	PICSAR	P38 inhibited cutaneous squamous cell carcinoma associated lincRNA
A_24_P686965	8.75x10 ⁻⁷	4.82	SH2D5	SH2 domain containing 5
A_23_P105475	7.74x10 ⁻³	4.70	SLCO1B3	solute carrier organic anion transporter family member 1B3
A_24_P85099	4.82x10 ⁻⁵	4.67	HMGA2	high mobility group AT-hook 2
A_24_P101651	2.09x10 ⁻³	4.64	CSAG4	CSAG family member 4 (pseudogene)
A_32_P164215	7.07x10 ⁻⁶	4.63	HOXC13-AS	HOXC13 antisense RNA
A_23_P46482	1.27x10 ⁻³	4.59	IL20	interleukin 20
A_24_P316965	9.50x10 ⁻⁵	4.56	RSAD2	radical S-adenosyl methionine domain containing 2
A_24_P12397	2.93x10 ⁻⁵	4.52	TREM2	triggering receptor expressed on myeloid cells 2
A_24_P535256	6.36x10 ⁻⁷	4.50	INHBA	inhibin β A subunit
A_23_P57910	9.79x10 ⁻³	4.46	RTP3	receptor transporter protein 3

A_23_P390068	4.08x10 ⁻⁶	4.45	MISP	mitotic spindle positioning
A_24_P158089	8.61x10 ⁻⁵	4.42	SERPINE1	serpin family E member 1
A_23_P370682	8.80x10 ⁻⁵	4.41	BATF2	basic leucine zipper ATF-like transcription factor 2
A_23_P10025	6.40x10 ⁻³	4.40	NELL2	neural EGFL like 2
A_23_P148609	4.33x10 ⁻⁵	4.38	PLAC1	placenta specific 1
A_23_P167941	2.51x10 ⁻⁵	4.33	TREM2	triggering receptor expressed on myeloid cells 2
A_23_P2271	4.08x10 ⁻⁶	4.28	PTH LH	parathyroid hormone like hormone
A_23_P110052	2.40x10 ⁻³	4.27	FOXL2	forkhead box L2
A_23_P133408	5.07x10 ⁻³	4.25	CSF2	colony stimulating factor 2
A_23_P110531	4.70x10 ⁻⁷	4.23	FST	follistatin
A_23_P51951	1.81x10 ⁻³	4.21	IL24	interleukin 24
A_23_P64808	1.79x10 ⁻⁶	4.20	HOXC13	homeobox C13
A_23_P205367	9.90x10 ⁻⁵	4.15	PPP4R4	protein phosphatase 4 regulatory subunit 4
A_24_P222740	1.46x10 ⁻³	4.11	IL24	interleukin 24
A_23_P159191	1.21x10 ⁻³	4.09	GAST	gastrin
A_23_P143029	6.87x10 ⁻⁵	4.07	HOXD11	homeobox D11
A_23_P425332	1.59x10 ⁻⁴	4.00	PPP4R4	protein phosphatase 4 regulatory subunit 4
A_23_P368779	1.66x10 ⁻⁴	3.91	ZNF114	zinc finger protein 114
A_23_P397285	2.24x10 ⁻⁵	3.90	LY6K	lymphocyte antigen 6 complex locus K
A_23_P74290	6.03x10 ⁻⁴	3.90	GBP5	guanylate binding protein 5
A_23_P258410	5.99x10 ⁻⁵	3.89	WNT7A	Wnt family member 7A
A_24_P388786	1.37x10 ⁻³	3.87	DNAH5	dynein axonemal heavy chain 5
A_24_P179504	2.18x10 ⁻⁶	3.86	WDR66	WD repeat domain 66
A_23_P36397	5.56x10 ⁻⁴	3.86	CYP27B1	cytochrome P450 family 27 subfamily B member 1
A_23_P62081	8.25x10 ⁻⁴	3.83	SCG5	secretogranin V
A_24_P177236	3.59x10 ⁻²	3.76	CABP7	calcium binding protein 7
A_24_P364263	6.44x10 ⁻³	3.68	HRASLS2	HRAS like suppressor 2
A_24_P126406	4.67x10 ⁻³	3.64	DNAH17	dynein axonemal heavy chain 17
A_24_P28722	2.46x10 ⁻³	3.61	RSAD2	radical S-adenosyl methionine domain containing 2
A_23_P101642	4.24x10 ⁻⁵	3.59	PTPRH	protein tyrosine phosphatase receptor type H
A_32_P138348	1.38x10 ⁻⁵	3.51	LY6K	lymphocyte antigen 6 complex locus K
A_24_P252996	1.05x10 ⁻²	3.50	FOLR3	folate receptor 3

A_23_P105012	1.05x10 ⁻²	3.47	HRASLS2	HRAS like suppressor 2
A_23_P67980	2.34x10 ⁻⁵	3.46	KLF7	Kruppel like factor 7
A_23_P18452	1.12x10 ⁻²	3.46	CXCL9	C-X-C motif chemokine ligand 9
A_23_P95930	8.73x10 ⁻⁴	3.43	HMGA2	high mobility group AT-hook 2
A_32_P87013	2.25x10 ⁻²	3.43	CXCL8	C-X-C motif chemokine ligand 8
A_23_P338479	1.42x10 ⁻⁴	3.41	CD274	CD274 molecule
A_23_P51126	9.71x10 ⁻³	3.40	IL1RL1	interleukin 1 receptor like 1
A_24_P101282	3.58x10 ⁻⁷	3.39	HOTAIRM1	HOXA transcript antisense RNA myeloid-specific 1
A_24_P687302	1.26x10 ⁻³	3.39	LAMA3	laminin subunit α 3
A_23_P819	7.55x10 ⁻⁶	3.37	ISG15	ISG15 ubiquitin-like modifier
A_23_P204133	2.00x10 ⁻⁶	3.36	GALNT6	polypeptide N-acetylgalactosaminyltransferase 6
A_32_P425998	2.31x10 ⁻³	3.36	IGFN1	immunoglobulin-like and fibronectin type III domain containing 1
A_24_P20814	4.00x10 ⁻⁶	3.35	KHDC1	KH homology domain containing 1
A_23_P201459	2.80x10 ⁻⁴	3.33	IFI6	interferon α inducible protein 6
A_23_P122655	4.38x10 ⁻³	3.28	LCAL1	lung cancer associated lncRNA 1
A_24_P131589	4.26x10 ⁻²	3.28	CD86	CD86 molecule
A_24_P331675	2.63x10 ⁻²	3.27	C6orf10	chromosome 6 open reading frame 10
A_23_P78037	9.66x10 ⁻³	3.23	CCL7	C-C motif chemokine ligand 7
A_23_P397293	2.45x10 ⁻⁶	3.22	LY6K	lymphocyte antigen 6 complex locus K
A_23_P136493	4.95x10 ⁻⁴	3.22	NRG1	neuregulin 1
A_23_P110686	6.99x10 ⁻⁵	3.21	STC2	stanniocalcin 2
A_23_P35412	1.53x10 ⁻³	3.21	IFIT3	interferon induced protein with tetratricopeptide repeats 3
A_23_P373017	5.48x10 ⁻⁶	3.20	CCL3	C-C motif chemokine ligand 3
A_23_P430068	7.64x10 ⁻⁵	3.19	PDPN	podoplanin
A_23_P105794	3.54x10 ⁻⁴	3.19	EPSTI1	epithelial stromal interaction 1 (breast)
A_24_P299685	3.41x10 ⁻⁴	3.18	PDPN	podoplanin
A_23_P322519	4.67x10 ⁻⁴	3.18	FOSL1	FOS like 1 AP-1 transcription factor subunit
A_24_P274270	2.98x10 ⁻⁶	3.17	STAT1	signal transducer and activator of transcription 1
A_24_P196665	4.12x10 ⁻²	3.17	GNGT1	G protein subunit γ transducin 1
A_23_P161624	1.86x10 ⁻⁴	3.16	FOSL1	FOS like 1 AP-1 transcription factor subunit
A_23_P372946	4.45x10 ⁻⁴	3.16	TM4SF19	transmembrane 4 L six family member 19

A_23_P95672	4.46x10 ⁻⁴	3.15	IGF2BP2	insulin like growth factor 2 mRNA binding protein 2
A_23_P209578	7.47x10 ⁻⁴	3.11	GAD1	glutamate decarboxylase 1
A_23_P49338	1.69x10 ⁻⁶	3.10	TNFRSF12A	TNF receptor superfamily member 12A
A_32_P221000	1.94x10 ⁻³	3.09	LINC00707	long intergenic non-protein coding RNA 707
A_23_P62890	2.35x10 ⁻³	3.09	GBP1	guanylate binding protein 1
A_23_P27013	9.56x10 ⁻³	3.09	HOXB9	homeobox B9
A_23_P363275	2.90x10 ⁻¹¹	3.08	WDR66	WD repeat domain 66
A_23_P315815	1.42x10 ⁻³	3.08	NRG1	neuregulin 1
A_24_P228130	7.84x10 ⁻⁵	3.07	CCL3L3	C-C motif chemokine ligand 3 like 3
A_32_P233735	3.26x10 ⁻⁶	3.06	STRIP2	striatin interacting protein 2
A_23_P157865	8.06x10 ⁻³	3.06	TNC	tenascin C
A_23_P380318	1.03x10 ⁻²	3.06	EGR4	early growth response 4
A_32_P10403	4.82x10 ⁻⁵	3.05	SERPINE1	serpin family E member 1
A_23_P252292	3.58x10 ⁻⁷	3.03	CENPI	centromere protein I
A_23_P331235	8.97x10 ⁻⁶	3.03	C5orf38	chromosome 5 open reading frame 38
A_24_P943205	1.83x10 ⁻⁴	3.03	EPSTI1	epithelial stromal interaction 1 (breast)
A_24_P166527	6.78x10 ⁻⁴	3.02	TNFAIP3	TNF α induced protein 3
A_23_P501538	4.25x10 ⁻⁴	3.01	HOXA3	homeobox A3
A_23_P55251	3.73x10 ⁻⁶	3.00	ITGA3	integrin subunit α 3
A_23_P358597	1.54x10 ⁻²	2.99	POPDC3	popeye domain containing 3
A_23_P24104	3.43x10 ⁻⁷	2.98	PLAU	plasminogen activator urokinase
A_24_P115762	1.31x10 ⁻⁶	2.98	CTSC	cathepsin C
A_23_P500936	2.84x10 ⁻²	2.97	FOXA2	forkhead box A2
A_23_P211141	1.20x10 ⁻²	2.94	DSCAM	DS cell adhesion molecule
A_23_P101131	8.43x10 ⁻³	2.93	GRP	gastrin releasing peptide
A_23_P79155	5.80x10 ⁻⁴	2.92	GPR39	G protein-coupled receptor 39
A_24_P260122	5.00x10 ⁻⁷	2.89	PHLDB2	pleckstrin homology like domain family B member 2
A_23_P19333	7.37x10 ⁻³	2.89	TREM1	triggering receptor expressed on myeloid cells 1
A_24_P247987	3.76x10 ⁻⁷	2.88	USB1	U6 snRNA biogenesis phosphodiesterase 1
A_24_P44462	2.62x10 ⁻⁴	2.88	TPM1	tropomyosin 1 (α)
A_24_P201552	2.63x10 ⁻³	2.88	FEZ1	fasciculation and elongation protein zeta 1

A_32_P107372	5.96x10 ⁻³	2.87	GBP1	guanylate binding protein 1
A_24_P302584	5.18x10 ⁻³	2.86	SOX11	SRY-box 11
A_23_P209167	2.40x10 ⁻³	2.85	FSTL3	follistatin like 3
A_23_P386320	1.56x10 ⁻²	2.85	MELTF	melanotransferrin
A_24_P316430	9.79x10 ⁻⁴	2.84	NT5E	5'-nucleotidase ecto
A_23_P91829	2.53x10 ⁻³	2.84	DCBLD2	discoïdin CUB and LCCL domain containing 2
A_23_P132159	3.52x10 ⁻³	2.84	USP18	ubiquitin specific peptidase 18
A_23_P56404	5.57x10 ⁻³	2.84	EN1	engrailed homeobox 1
A_24_P50801	2.98x10 ⁻⁴	2.83	NRP2	neuropilin 2
A_23_P31407	6.36x10 ⁻³	2.83	AGR2	anterior gradient 2 protein disulphide isomerase family member
A_24_P915591	8.87x10 ⁻⁴	2.82	COL4A6	collagen type IV α 6 chain
A_24_P334130	1.31x10 ⁻²	2.82	FN1	fibronectin 1
A_23_P100240	3.26x10 ⁻²	2.82	CDH16	cadherin 16
A_23_P206212	7.01x10 ⁻⁴	2.80	THBS1	thrombospondin 1
A_23_P67169	1.24x10 ⁻³	2.80	IL11	interleukin 11
A_23_P66682	2.53x10 ⁻³	2.80	HOXB6	homeobox B6
A_23_P213298	3.56x10 ⁻³	2.80	ARSJ	arylsulfatase family member J
A_23_P119448	3.75x10 ⁻²	2.80	PPP6R1	protein phosphatase 6 regulatory subunit 1
A_23_P65651	1.48x10 ⁻³	2.79	WARS	tryptophanyl-tRNA synthetase
A_24_P343929	1.02x10 ⁻⁴	2.77	OAS2	2'-5'-oligoadenylate synthetase 2
A_23_P168531	4.89x10 ⁻⁴	2.77	FSCN1	fascin actin-bundling protein 1
A_23_P135248	5.72x10 ⁻³	2.77	CCL27	C-C motif chemokine ligand 27
A_23_P250156	1.28x10 ⁻³	2.76	IGF2BP2	insulin like growth factor 2 mRNA binding protein 2
A_23_P45871	3.45x10 ⁻²	2.76	IFI44L	interferon induced protein 44 like
A_24_P160466	2.17x10 ⁻⁶	2.74	GPRIN1	G protein regulated inducer of neurite outgrowth 1
A_23_P393598	1.46x10 ⁻⁵	2.73	CD276	CD276 molecule
A_32_P32116	2.97x10 ⁻³	2.73	AMER2	APC membrane recruitment protein 2
A_23_P201636	5.24x10 ⁻⁴	2.72	LAMC2	laminin subunit2
A_24_P404822	6.68x10 ⁻⁵	2.71	APLN	apelin
A_23_P140928	2.66x10 ⁻⁴	2.71	TMC7	transmembrane channel like 7
A_23_P168532	6.34x10 ⁻⁴	2.71	FSCN1	fascin actin-bundling protein 1
A_23_P82449	6.46x10 ⁻⁴	2.71	DFNA5	DFNA5 deafness associated tumor suppressor

A_23_P160968	8.77x10 ⁻³	2.71	LAMC2	laminin subunit γ 2
A_23_P167096	9.80x10 ⁻⁴	2.70	VEGFC	vascular endothelial growth factor C
A_32_P132206	1.29x10 ⁻³	2.69	USP18	ubiquitin specific peptidase 18
A_32_P114483	5.31x10 ⁻⁵	2.67	C6orf141	chromosome 6 open reading frame 141
A_23_P39465	1.10x10 ⁻⁴	2.67	BST2	bone marrow stromal cell antigen 2
A_23_P398476	6.62x10 ⁻⁴	2.67	HOXC8	homeobox C8
A_24_P322756	4.21x10 ⁻³	2.67	TRPM2	transient receptor potential cation channel subfamily M member 2
A_23_P139786	7.85x10 ⁻³	2.67	OASL	2'-5'-oligoadenylate synthetase like
A_23_P145844	1.65x10 ⁻⁶	2.66	MET	MET proto-oncogene receptor tyrosine kinase
A_23_P384532	4.87x10 ⁻³	2.66	CFAP53	cilia and flagella associated protein 53
A_24_P941167	3.44x10 ⁻²	2.66	APOL6	apolipoprotein L6
A_23_P53039	4.27x10 ⁻⁴	2.65	LDHC	lactate dehydrogenase C
A_23_P123096	3.29x10 ⁻²	2.65	GNGT1	G protein subunit γ transducin 1
A_23_P26847	6.51x10 ⁻⁴	2.64	SOX9	SRY-box 9
A_23_P92093	2.70x10 ⁻³	2.64	CELSR3	cadherin EGF LAG seven-pass G-type receptor 3
A_24_P280983	4.66x10 ⁻⁴	2.63	HOXA11-AS	HOXA11 antisense RNA
A_23_P15692	3.35x10 ⁻⁴	2.62	SLC52A1	solute carrier family 52 member 1
A_23_P8913	4.11x10 ⁻³	2.62	CA2	carbonic anhydrase 2
A_24_P105102	3.54x10 ⁻⁶	2.61	PKMYT1	protein kinase membrane associated tyrosine
A_24_P157926	1.10x10 ⁻⁴	2.61	TNFAIP3	TNF α induced protein 3
A_23_P52266	7.64x10 ⁻³	2.61	IFIT1	interferon induced protein with tetratricopeptide repeats 1
A_23_P169030	4.98x10 ⁻⁵	2.60	TNFRSF10B	TNF receptor superfamily member 10b
A_23_P212888	6.62x10 ⁻⁴	2.60	PCDH7	protocadherin 7
A_24_P935819	8.45x10 ⁻³	2.59	SOD2	superoxide dismutase 2 mitochondrial
A_24_P365515	2.26x10 ⁻²	2.59	FOXA2	forkhead box A2
A_23_P336554	5.82x10 ⁻⁴	2.58	IL1RAP	interleukin 1 receptor accessory protein
A_23_P123478	1.56x10 ⁻⁴	2.57	PDE7A	phosphodiesterase 7A
A_23_P304450	9.79x10 ⁻⁴	2.57	GATA6	GATA binding protein 6
A_23_P156826	9.11x10 ⁻³	2.57	ADTRP	androgen dependent TFPI regulating protein
A_23_P373119	1.53x10 ⁻⁷	2.56	HMGB3P1	high mobility group box 3 pseudogene 1
A_32_P217471	1.65x10 ⁻⁶	2.56	MYO1B	myosin IB

A_24_P133542	2.47x10 ⁻⁵	2.55	PML	promyelocytic leukemia
A_24_P108301	1.77x10 ⁻⁴	2.55	RTTN	rotatin
A_23_P92161	2.25x10 ⁻²	2.55	ARL14	ADP ribosylation factor like GTPase 14
A_23_P217379	4.05x10 ⁻²	2.55	COL4A6	collagen type IV α 6 chain
A_23_P111804	3.13x10 ⁻⁷	2.54	PARP12	poly(ADP-ribose) polymerase family member 12
A_23_P60933	1.65x10 ⁻⁵	2.54	MT1G	metallothionein 1G
A_23_P80040	2.05x10 ⁻⁴	2.54	PROCR	protein C receptor
A_23_P149200	3.30x10 ⁻⁴	2.54	CDC20	cell division cycle 20
A_24_P385739	2.34x10 ⁻³	2.54	EIF5A2	eukaryotic translation initiation factor 5A2
A_23_P37983	2.32x10 ⁻⁵	2.53	MT1B	metallothionein 1B
A_23_P127525	1.08x10 ⁻⁴	2.53	ETS1	ETS proto-oncogene 1 transcription factor
A_24_P923251	8.07x10 ⁻³	2.52	TGM2	transglutaminase 2
A_23_P154217	4.25x10 ⁻²	2.52	ITGB6	integrin subunit β 6
A_23_P149668	5.11x10 ⁻⁶	2.51	KIF14	kinesin family member 14
A_23_P431404	3.28x10 ⁻⁵	2.51	TANC2	tetratricopeptide repeat ankyrin repeat and coiled-coil containing 2
A_24_P381455	5.65x10 ⁻⁵	2.51	DRAM1	DNA damage regulated autophagy modulator 1
A_24_P277576	2.47x10 ⁻⁵	2.50	TRIP13	thyroid hormone receptor interactor 13
A_23_P139704	1.21x10 ⁻⁴	2.49	DUSP6	dual specificity phosphatase 6
A_23_P128351	6.13x10 ⁻⁴	2.49	CRACR2A	calcium release activated channel regulator 2A
A_23_P409355	5.05x10 ⁻³	2.49	PXN	paxillin
A_23_P10291	6.66x10 ⁻³	2.47	CTSE	cathepsin E
A_23_P128050	1.07x10 ⁻²	2.47	BCL2L14	BCL2 like 14
A_23_P63534	6.85x10 ⁻⁸	2.45	XPR1	xenotropic and polytropic retrovirus receptor 1
A_23_P14083	3.04x10 ⁻⁴	2.45	AMIGO2	adhesion molecule with Ig like domain 2
A_23_P213508	9.11x10 ⁻⁴	2.45	PCSK1	proprotein convertase subtilisin
A_23_P105957	1.04x10 ⁻⁵	2.44	ACTN1	actinin α 1
A_23_P146551	1.12x10 ⁻⁴	2.44	MOB3B	MOB kinase activator 3B
A_23_P38388	6.83x10 ⁻³	2.44	TMEM92	transmembrane protein 92
A_23_P363316	5.42x10 ⁻⁴	2.43	HOXB5	homeobox B5
A_23_P359245	5.18x10 ⁻⁷	2.42	MET	MET proto-oncogene receptor tyrosine kinase
A_23_P49155	7.48x10 ⁻⁶	2.42	CDH3	cadherin 3

A_23_P80032	1.21x10 ⁻⁴	2.42	E2F1	E2F transcription factor 1
A_32_P44394	2.74x10 ⁻³	2.42	AIM2	absent in melanoma 2
A_23_P114084	5.55x10 ⁻³	2.42	PHEX	phosphate regulating endopeptidase homolog X-linked
A_23_P22647	3.61x10 ⁻²	2.42	FAM155B	family with sequence similarity 155 member B
A_23_P23074	9.45x10 ⁻⁴	2.41	IFI44	interferon induced protein 44
A_24_P914411	2.21x10 ⁻²	2.41	HOXA10	homeobox A10
A_23_P138099	8.29x10 ⁻⁵	2.40	ABL2	ABL proto-oncogene 2 non-receptor tyrosine kinase
A_24_P46357	9.24x10 ⁻⁴	2.40	MYO10	myosin X
A_23_P144843	1.32x10 ⁻²	2.40	ESM1	endothelial cell specific molecule 1
A_23_P88731	1.13x10 ⁻⁵	2.39	RAD51	RAD51 recombinase
A_23_P406616	1.46x10 ⁻⁴	2.39	CCDC71L	coiled-coil domain containing 71-like
A_23_P151506	1.32x10 ⁻³	2.39	PLEK2	pleckstrin 2
A_24_P119774	4.64x10 ⁻³	2.39	PGK1	phosphoglycerate kinase 1
A_23_P314712	2.94x10 ⁻²	2.39	CABYR	calcium binding tyrosine phosphorylation regulated
A_23_P361049	2.11x10 ⁻⁶	2.38	MYO1B	myosin IB
A_24_P107695	3.14x10 ⁻⁵	2.38	ACTN1	actinin α 1
A_23_P427703	6.33x10 ⁻⁵	2.38	MT1L	metallothionein 1L (gene
A_23_P94533	6.58x10 ⁻⁵	2.38	CTSL	cathepsin L
A_23_P360744	1.18x10 ⁻²	2.38	RAG1	recombination activating gene 1
A_24_P335092	1.99x10 ⁻²	2.38	SAA1	serum amyloid A1
A_23_P17837	3.35x10 ⁻²	2.38	APOL1	apolipoprotein L1
A_23_P51936	2.99x10 ⁻³	2.37	TNFRSF9	TNF receptor superfamily member 9
A_23_P96633	1.92x10 ⁻²	2.37	CT55	cancer
A_23_P413268	1.38x10 ⁻³	2.35	LOC90768	uncharacterized LOC90768
A_23_P103496	5.17x10 ⁻³	2.35	GBP4	guanylate binding protein 4
A_23_P111260	8.44x10 ⁻³	2.35	NT5E	5'-nucleotidase ecto
A_23_P60009	1.42x10 ⁻²	2.35	ANXA13	annexin A13
A_23_P130141	2.74x10 ⁻⁶	2.34	DHX33	DEAH-box helicase 33
A_23_P126212	3.29x10 ⁻⁴	2.34	CLSPN	claspin
A_23_P29723	3.62x10 ⁻⁴	2.34	SGO1	shugoshin 1
A_24_P376129	3.79x10 ⁻⁴	2.34	WHRN	whirlin
A_24_P179569	8.73x10 ⁻⁴	2.34	LAMA3	laminin subunit α 3

A_23_P138881	1.45x10 ⁻³	2.34	ACTN3	actinin α 3 (gene)
A_32_P148345	5.93x10 ⁻³	2.34	ANXA2	annexin A2
A_23_P202881	9.86x10 ⁻³	2.33	FEZ1	fasciculation and elongation protein zeta 1
A_32_P16204	1.09x10 ⁻²	2.33	LINC01116	long intergenic non-protein coding RNA 1116
A_23_P256641	2.54x10 ⁻⁴	2.32	KCNE5	potassium voltage-gated channel subfamily E regulatory subunit 5
A_24_P573089	6.83x10 ⁻³	2.32	SH2D5	SH2 domain containing 5
A_23_P88331	8.93x10 ⁻⁶	2.31	DLGAP5	DLG associated protein 5
A_24_P557479	3.00x10 ⁻⁴	2.31	XAF1	XIAP associated factor 1
A_32_P58606	9.98x10 ⁻³	2.31	ONECUT2	one cut homeobox 2
A_24_P304071	1.35x10 ⁻²	2.31	IFIT2	interferon induced protein with tetratricopeptide repeats 2
A_23_P41470	2.11x10 ⁻²	2.31	DDX60	DEXD
A_23_P108673	3.99x10 ⁻²	2.31	EVA1A	eva-1 homolog A regulator of programmed cell death
A_23_P113393	9.92x10 ⁻⁴	2.30	APLN	apelin
A_24_P134626	1.94x10 ⁻⁵	2.29	TXLNG	taxilin γ
A_23_P388812	4.15x10 ⁻⁴	2.29	CKAP2L	cytoskeleton associated protein 2 like
A_24_P359291	7.03x10 ⁻³	2.29	B4GALNT1	β -1,4-N-acetyl-galactosaminyltransferase 1
A_23_P20814	5.02x10 ⁻⁴	2.28	DDX58	DEXD
A_24_P350245	7.55x10 ⁻⁴	2.28	DOCK5	dedicator of cytokinesis 5
A_23_P382654	1.03x10 ⁻³	2.28	ASCC3	activating signal cointegrator 1 complex subunit 3
A_23_P435029	6.02x10 ⁻³	2.28	HIST2H3A	histone cluster 2 H3a
A_23_P360777	1.57x10 ⁻²	2.28	NRG1	neuregulin 1
A_24_P334361	2.76x10 ⁻²	2.28	DDX60	DEXD
A_23_P82420	5.01x10 ⁻⁵	2.27	STX1A	syntaxin 1A
A_24_P98109	7.71x10 ⁻⁵	2.27	SNX10	sorting nexin 10
A_23_P66732	9.98x10 ⁻⁵	2.27	GSG2	germ cell associated 2 haspin
A_24_P314571	3.20x10 ⁻⁴	2.27	SPC24	SPC24 NDC80 kinetochore complex component
A_23_P214079	4.60x10 ⁻²	2.27	SPINK1	serine peptidase inhibitor Kazal type 1
A_23_P48835	4.86x10 ⁻⁶	2.26	KIF23	kinesin family member 23
A_23_P214908	1.36x10 ⁻³	2.26	MTHFD1L	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like
A_23_P306203	2.58x10 ⁻²	2.26	SAA2	serum amyloid A2
A_24_P215240	1.20x10 ⁻²	2.25	ENKUR	enkurin TRPC channel interacting protein

A_23_P47955	1.92x10 ⁻⁴	2.24	OAS3	2'-5'-oligoadenylate synthetase 3
A_24_P27977	9.37x10 ⁻³	2.24	TRPM2	transient receptor potential cation channel subfamily M member 2
A_23_P115872	2.88x10 ⁻⁵	2.23	CEP55	centrosomal protein 55
A_32_P89709	5.88x10 ⁻⁴	2.23	TPM1	tropomyosin 1 (α)
A_23_P150667	8.24x10 ⁻⁴	2.23	KIF18A	kinesin family member 18A
A_24_P383523	3.61x10 ⁻⁴	2.22	SAMD4A	sterile α motif domain containing 4A
A_23_P250358	7.57x10 ⁻³	2.22	HERC6	HECT and RLD domain containing E3 ubiquitin protein ligase family member 6
A_24_P243633	1.04x10 ⁻⁶	2.21	DCBLD1	discoidin CUB and LCCL domain containing 1
A_23_P49972	6.51x10 ⁻⁵	2.21	CDC6	cell division cycle 6
A_23_P405761	8.60x10 ⁻⁵	2.21	RRAS2	related RAS viral (r-ras) oncogene homolog 2
A_24_P7143	1.66x10 ⁻⁴	2.21	MYO1B	myosin IB
A_23_P168556	1.88x10 ⁻⁴	2.21	STX1A	syntaxin 1A
A_23_P96325	1.92x10 ⁻⁴	2.21	ERCC6L	ERCC excision repair 6 like spindle assembly checkpoint helicase
A_24_P914479	7.16x10 ⁻⁴	2.21	SNX5	sorting nexin 5
A_32_P218025	1.33x10 ⁻³	2.21	LOC100506253	uncharacterized LOC100506253
A_23_P253368	2.55x10 ⁻³	2.21	HOXA10	homeobox A10
A_23_P77493	3.22x10 ⁻³	2.20	TUBB3	tubulin β 3 class III
A_23_P133902	2.49x10 ⁻²	2.20	PSORS1C1	psoriasis susceptibility 1 candidate 1
A_32_P210202	3.04x10 ⁻⁶	2.19	E2F7	E2F transcription factor 7
A_24_P110012	4.85x10 ⁻³	2.19	HLA-L	major histocompatibility complex class I L (pseudogene)
A_24_P183150	3.69x10 ⁻²	2.19	CXCL3	C-X-C motif chemokine ligand 3
A_24_P335305	5.65x10 ⁻⁵	2.18	OAS3	2'-5'-oligoadenylate synthetase 3
A_24_P322354	2.27x10 ⁻⁴	2.18	SKA1	spindle and kinetochore associated complex subunit 1
A_23_P431776	2.86x10 ⁻⁴	2.18	ETV4	ETS variant 4
A_24_P71373	6.43x10 ⁻⁴	2.18	SLC9A1	solute carrier family 9 member A1
A_23_P253301	8.97x10 ⁻³	2.18	PFN2	profilin 2
A_24_P930764	1.72x10 ⁻²	2.17	CCSAP	centriole cilia and spindle associated protein
A_23_P86623	1.98x10 ⁻⁵	2.16	ENTPD7	ectonucleoside triphosphate diphosphohydrolase 7
A_32_P147090	3.40x10 ⁻⁵	2.16	ARHGAP11A	Rho GTPase activating protein 11A
A_24_P213794	6.90x10 ⁻⁵	2.16	NOCT	nocturnin
A_23_P127948	5.42x10 ⁻⁴	2.16	ADM	adrenomedullin

A_23_P51136	1.16x10 ⁻³	2.16	RHOB	ras homolog family member B
A_23_P60089	1.30x10 ⁻⁴	2.15	DOCK5	dedicator of cytokinesis 5
A_23_P136787	7.69x10 ⁻⁴	2.15	GINS4	GINS complex subunit 4
A_23_P207564	1.36x10 ⁻³	2.15	CCL4	C-C motif chemokine ligand 4
A_23_P329212	2.39x10 ⁻³	2.15	ETS1	ETS proto-oncogene 1 transcription factor
A_23_P94422	9.23x10 ⁻³	2.15	MELK	maternal embryonic leucine zipper kinase
A_23_P15146	2.16x10 ⁻²	2.15	IL32	interleukin 32
A_23_P414343	5.85x10 ⁻⁵	2.14	MT1H	metallothionein 1H
A_24_P364516	1.60x10 ⁻⁴	2.14	RCBTB1	RCC1 and BTB domain containing protein 1
A_24_P920398	4.33x10 ⁻⁴	2.14	PARP14	poly(ADP-ribose) polymerase family member 14
A_24_P358462	8.05x10 ⁻⁴	2.14	AGRN	agrin
A_23_P204087	2.47x10 ⁻³	2.14	OAS2	2'-5'-oligoadenylate synthetase 2
A_23_P200067	1.65x10 ⁻²	2.14	EPHB2	EPH receptor B2
A_23_P155815	5.88x10 ⁻⁵	2.13	NCAPG	non-SMC condensin I complex subunit G
A_24_P335620	8.70x10 ⁻⁵	2.13	SLC7A5	solute carrier family 7 member 5
A_23_P408353	3.17x10 ⁻⁴	2.13	HLA-A	major histocompatibility complex class I A
A_24_P320033	9.42x10 ⁻⁴	2.13	CD80	CD80 molecule
A_24_P394865	5.68x10 ⁻³	2.13	GOLM1	golgi membrane protein 1
A_24_P178065	8.57x10 ⁻³	2.13	PHLDB2	pleckstrin homology like domain family B member 2
A_23_P366394	3.51x10 ⁻⁶	2.12	ZAK	sterile α motif and leucine zipper containing kinase AZK
A_23_P42168	4.09x10 ⁻⁴	2.12	MDFI	MyoD family inhibitor
A_23_P64611	9.27x10 ⁻³	2.12	P2RY6	pyrimidinergic receptor P2Y6
A_23_P94412	1.20x10 ⁻²	2.12	PDCD1LG2	programmed cell death 1 ligand 2
A_32_P141445	4.92x10 ⁻⁴	2.11	MGC34796	sepiapterin reductase (7,8-dihydrobiopterin:NADP+ oxidoreductase) pseudogene
A_23_P131866	2.34x10 ⁻³	2.11	AURKA	aurora kinase A
A_24_P924721	6.33x10 ⁻³	2.11	TPM1	tropomyosin 1 (α)
A_23_P252642	3.68x10 ⁻⁶	2.10	BBS5	Bardet-Biedl syndrome 5
A_23_P359091	3.05x10 ⁻⁴	2.10	SMAD3	SMAD family member 3
A_32_P178696	3.26x10 ⁻⁴	2.10	LOC105374952	uncharacterized LOC105374952
A_23_P141730	4.89x10 ⁻⁴	2.10	DSG2	desmoglein 2
A_24_P409971	3.23x10 ⁻³	2.10	NEXN	nexilin F-actin binding protein
A_23_P213336	3.43x10 ⁻³	2.10	FGF1	fibroblast growth factor 1

A_23_P151150	8.93x10 ⁻⁶	2.09	FOXM1	forkhead box M1
A_23_P65240	3.99x10 ⁻⁵	2.09	COL4A1	collagen type IV α 1 chain
A_23_P334664	3.91x10 ⁻⁴	2.09	PML	promyelocytic leukemia
A_23_P30069	8.73x10 ⁻⁴	2.09	DDX60L	DEAD-box helicase 60-like
A_23_P356684	1.18x10 ⁻³	2.09	ANLN	anillin actin binding protein
A_23_P168651	1.23x10 ⁻³	2.09	CDK6	cyclin dependent kinase 6
A_23_P379034	4.16x10 ⁻³	2.09	BAIAP2L2	BAI1 associated protein 2 like 2
A_23_P402892	1.08x10 ⁻²	2.09	NLRC5	NLR family CARD domain containing 5
A_23_P500998	1.75x10 ⁻²	2.09	HOXA9	homeobox A9
A_23_P103511	2.47x10 ⁻²	2.09	C1orf226	chromosome 1 open reading frame 226
A_32_P219942	3.28x10 ⁻²	2.09	ZIC5	Zic family member 5
A_23_P398515	5.62x10 ⁻⁴	2.08	PKMYT1	protein kinasemembrane associated tyrosine
A_23_P16225	7.91x10 ⁻⁴	2.08	BEST2	bestrophin 2
A_24_P137434	4.31x10 ⁻³	2.08	DCBLD2	discoidin CUB and LCCL domain containing 2
A_24_P299474	4.35x10 ⁻⁵	2.07	TENM2	teneurin transmembrane protein 2
A_23_P66355	1.47x10 ⁻⁴	2.07	ITGB4	integrin subunit β 4
A_23_P156025	2.64x10 ⁻⁴	2.07	IRX2	iroquois homeobox 2
A_23_P327907	7.21x10 ⁻⁴	2.07	C8orf37	chromosome 8 open reading frame 37
A_24_P257099	2.34x10 ⁻³	2.07	HJURP	Holliday junction recognition protein
A_23_P132316	4.51x10 ⁻³	2.07	APOBEC3D	apolipoprotein B mRNA editing enzyme catalytic subunit 3D
A_23_P4283	1.02x10 ⁻²	2.07	XAF1	XIAP associated factor 1
A_23_P436048	1.50x10 ⁻²	2.07	LPAR3	lysophosphatidic acid receptor 3
A_23_P381368	1.79x10 ⁻²	2.07	HOXD10	homeobox D10
A_23_P256487	3.54x10 ⁻²	2.07	CD274	CD274 molecule
A_24_P112447	3.03x10 ⁻⁵	2.06	ENTPD7	ectonucleoside triphosphate diphosphohydrolase 7
A_23_P24843	7.58x10 ⁻⁵	2.06	MICAL2	microtubule associated monooxygenase calponin and LIM domain containing 2
A_23_P163782	2.68x10 ⁻⁴	2.06	MT1H	metallothionein 1H
A_24_P59596	1.73x10 ⁻³	2.06	ATAD2	ATPase family AAA domain containing 2
A_23_P161474	3.37x10 ⁻³	2.06	MCM10	minichromosome maintenance 10 replication initiation factor
A_23_P35035	5.61x10 ⁻³	2.06	LPAR3	lysophosphatidic acid receptor 3
A_24_P370946	1.77x10 ⁻²	2.06	CYR61	cysteine rich angiogenic inducer 61
A_23_P15654	1.21x10 ⁻⁵	2.05	TRAF4	TNF receptor associated factor 4

A_32_P163469	2.84x10 ⁻⁵	2.05	NFE2L1	nuclear factor erythroid 2 like 1
A_24_P48248	3.82x10 ⁻⁵	2.05	C17orf53	chromosome 17 open reading frame 53
A_32_P161292	1.21x10 ⁻³	2.05	DDX60L	DEAD-box helicase 60-like
A_23_P127288	1.86x10 ⁻²	2.05	IL2RA	interleukin 2 receptor subunit α
A_23_P104651	5.43x10 ⁻⁵	2.04	CDCA5	cell division cycle associated 5
A_24_P310864	2.78x10 ⁻⁴	2.04	CCDC24	coiled-coil domain containing 24
A_24_P280762	3.39x10 ⁻⁴	2.04	KHDC1	KH homology domain containing 1
A_23_P377982	7.09x10 ⁻³	2.04	CCDC71L	coiled-coil domain containing 71-like
A_23_P347040	4.86x10 ⁻⁶	2.03	DTX3L	deltex E3 ubiquitin ligase 3L
A_23_P162719	1.93x10 ⁻⁵	2.03	DIAPH3	diaphanous related formin 3
A_23_P160537	2.48x10 ⁻⁴	2.03	AUNIP	aurora kinase A and ninein interacting protein
A_23_P214907	1.38x10 ⁻³	2.03	MTHFD1L	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like
A_23_P46426	9.48x10 ⁻⁵	2.02	CYR61	cysteine rich angiogenic inducer 61
A_24_P96780	1.02x10 ⁻⁴	2.02	CENPF	centromere protein F
A_24_P354900	1.40x10 ⁻⁴	2.02	DCBLD1	discoidin CUB and LCCL domain containing 1
A_24_P84419	1.60x10 ⁻⁴	2.02	VAV2	vav guanine nucleotide exchange factor 2
A_23_P419254	1.80x10 ⁻⁴	2.02	DIAPH3	diaphanous related formin 3
A_23_P423974	5.05x10 ⁻⁴	2.02	HUS1B	HUS1 checkpoint clamp component B
A_24_P337796	1.69x10 ⁻³	2.02	STK17A	serine
A_24_P644742	8.97x10 ⁻³	2.02	HAUS6	HAUS augmin like complex subunit 6
A_24_P42501	4.17x10 ⁻⁵	2.01	ACOT9	acyl-CoA thioesterase 9
A_23_P303242	9.22x10 ⁻⁵	2.01	MT1X	metallothionein 1X
A_24_P902509	1.77x10 ⁻⁴	2.01	FANCI	Fanconi anemia complementation group I
A_32_P34920	1.50x10 ⁻³	2.01	FOXD1	forkhead box D1
A_23_P87461	5.83x10 ⁻³	2.01	B4GALNT1	β -1,4-N-acetyl-galactosaminyltransferase 1
A_23_P145569	1.97x10 ⁻²	2.01	SLC22A1	solute carrier family 22 member 1
A_24_P38387	2.33x10 ⁻²	2.01	NDRG1	N-myc downstream regulated 1
A_32_P136376	3.19x10 ⁻²	2.01	LINC00958	long intergenic non-protein coding RNA 958
A_24_P919640	3.64x10 ⁻²	2.01	CD44	CD44 molecule (Indian blood group)
A_32_P177267	2.68x10 ⁻⁴	2.00	SLC25A52	solute carrier family 25 member 52
A_23_P216517	3.05x10 ⁻⁴	2.00	ARHGEF39	Rho guanine nucleotide exchange factor 39
A_23_P68610	3.77x10 ⁻⁴	2.00	TPX2	TPX2 microtubule nucleation factor

A_24_P235049	4.68x10 ⁻⁴	2.00	MTHFD1L	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like
A_23_P207414	6.28x10 ⁻⁴	2.00	PTGES3L-AARSD1	PTGES3L-AARSD1 readthrough
A_24_P145134	1.09x10 ⁻³	2.00	OSMR	oncostatin M receptor
A_23_P110851	1.19x10 ⁻³	2.00	TERT	telomerase reverse transcriptase
A_23_P32474	1.81x10 ⁻³	2.00	CDCP1	CUB domain containing protein 1
A_23_P160167	2.24x10 ⁻²	2.00	TSPAN1	tetraspanin 1
A_24_P289178	7.52x10 ⁻⁵	1.99	C16orf74	chromosome 16 open reading frame 74
A_23_P19663	2.27x10 ⁻³	1.99	CTGF	connective tissue growth factor
A_24_P179400	2.79x10 ⁻³	1.99	VEGFA	vascular endothelial growth factor A
A_23_P201863	4.26x10 ⁻³	1.99	CDK18	cyclin dependent kinase 18
A_23_P150693	4.08x10 ⁻⁶	1.98	FJX1	four jointed box 1
A_32_P151102	9.71x10 ⁻⁶	1.98	MSN	moesin
A_23_P217236	2.12x10 ⁻⁵	1.98	HMGB3	high mobility group box 3
A_24_P149704	6.17x10 ⁻⁵	1.98	DAB2IP	DAB2 interacting protein
A_24_P125096	1.78x10 ⁻⁴	1.98	MT1X	metallothionein 1X
A_23_P69068	3.20x10 ⁻⁴	1.98	PLXNA1	plexin A1
A_23_P380857	8.95x10 ⁻³	1.98	APOL4	apolipoprotein L4
A_23_P4286	1.84x10 ⁻²	1.98	XAF1	XIAP associated factor 1
A_24_P317762	1.99x10 ⁻²	1.98	LY6E	lymphocyte antigen 6 complex locus E
A_23_P118815	5.99x10 ⁻⁵	1.97	BIRC5	baculoviral IAP repeat containing 5
A_23_P20122	9.18x10 ⁻⁵	1.97	ZC3HAV1	zinc finger CCCH-type containing antiviral 1
A_23_P120002	3.26x10 ⁻⁴	1.97	SP110	SP110 nuclear body protein
A_24_P207139	5.10x10 ⁻⁴	1.97	PML	promyelocytic leukemia
A_24_P126425	9.83x10 ⁻⁴	1.97	FAM188B	family with sequence similarity 188 member B
A_24_P337012	1.19x10 ⁻³	1.97	SP140L	SP140 nuclear body protein like
A_23_P47155	3.71x10 ⁻³	1.97	PANX1	pannexin 1
A_23_P152782	5.61x10 ⁻³	1.97	IFI35	interferon induced protein 35
A_23_P17811	9.22x10 ⁻³	1.97	SEC14L2	SEC14 like lipid binding 2
A_23_P209129	1.51x10 ⁻²	1.97	LAIR2	leukocyte associated immunoglobulin like receptor 2
A_23_P125505	4.84x10 ⁻²	1.97	PPEF1	protein phosphatase with EF-hand domain 1
A_23_P118712	1.05x10 ⁻³	1.96	SSH2	slingshot protein phosphatase 2
A_23_P391586	1.73x10 ⁻³	1.96	TPM1	tropomyosin 1 (α)

A_23_P369485	8.76x10 ⁻³	1.96	LOC90768	uncharacterized LOC90768
A_32_P228348	2.44x10 ⁻²	1.96	LOC401472	myosin IC heavy chain
A_24_P277367	2.85x10 ⁻²	1.96	CXCL5	C-X-C motif chemokine ligand 5
A_23_P34788	4.92x10 ⁻⁴	1.95	KIF2C	kinesin family member 2C
A_32_P150891	6.38x10 ⁻⁴	1.95	DIAPH3	diaphanous related formin 3
A_23_P152428	9.87x10 ⁻⁴	1.95	MARVELD3	MARVEL domain containing 3
A_32_P106194	1.19x10 ⁻³	1.95	TMEM92	transmembrane protein 92
A_23_P159986	6.57x10 ⁻³	1.95	MIR503HG	MIR503 host gene
A_23_P321920	7.51x10 ⁻³	1.95	CCL3L3	C-C motif chemokine ligand 3 like 3
A_23_P89780	9.97x10 ⁻³	1.95	LAMA3	laminin subunit α 3
A_23_P256473	1.40x10 ⁻²	1.95	SEMA3C	semaphorin 3C
A_23_P33027	4.33x10 ⁻⁴	1.94	MLXIP	MLX interacting protein
A_23_P8513	4.68x10 ⁻⁴	1.94	SNX10	sorting nexin 10
A_23_P135184	8.94x10 ⁻⁴	1.94	RALGDS	ral guanine nucleotide dissociation stimulator
A_23_P141035	2.04x10 ⁻³	1.94	CHST4	carbohydrate sulfotransferase 4
A_23_P40010	3.27x10 ⁻³	1.94	LINC00152	long intergenic non-protein coding RNA 152
A_24_P395814	9.10x10 ⁻³	1.94	CGB3	chorionic gonadotropin β subunit 3
A_24_P917866	1.12x10 ⁻²	1.94	SET	SET nuclear proto-oncogene
A_24_P143492	1.40x10 ⁻²	1.94	BCAS4	breast carcinoma amplified sequence 4
A_23_P23885	2.32x10 ⁻²	1.94	GJB4	gap junction protein β 4
A_23_P368624	2.34x10 ⁻²	1.94	CHRNB2	cholinergic receptor nicotinic β 2 subunit
A_23_P144668	3.25x10 ⁻²	1.94	CMBL	carboxymethylenebutenolidase homolog
A_24_P66027	4.20x10 ⁻²	1.94	APOBEC3B	apolipoprotein B mRNA editing enzyme catalytic subunit 3B
A_24_P186370	3.20x10 ⁻⁴	1.93	MSN	moesin
A_23_P148475	4.83x10 ⁻⁴	1.93	KIF4A	kinesin family member 4A
A_23_P91802	7.55x10 ⁻⁴	1.93	TYMP	thymidine phosphorylase
A_23_P69586	2.27x10 ⁻³	1.93	FAT1	FAT atypical cadherin 1
A_23_P75741	3.71x10 ⁻³	1.93	UBE2L6	ubiquitin conjugating enzyme E2 L6
A_24_P196318	4.99x10 ⁻³	1.93	SLC2A9	solute carrier family 2 member 9
A_23_P70398	7.28x10 ⁻³	1.93	VEGFA	vascular endothelial growth factor A
A_23_P75786	7.98x10 ⁻³	1.93	SLC15A3	solute carrier family 15 member 3

A_23_P502590	1.77x10 ⁻²	1.93	KIR2DS4	killer cell immunoglobulin like receptor two Ig domains and short cytoplasmic tail 4
A_24_P240166	3.80x10 ⁻⁵	1.92	PHLDB2	pleckstrin homology like domain family B member 2
A_23_P134176	1.78x10 ⁻⁴	1.92	SOD2	superoxide dismutase 2 mitochondrial
A_23_P147326	1.06x10 ⁻³	1.92	SERINC2	serine incorporator 2
A_23_P252413	1.15x10 ⁻⁴	1.91	MT2A	metallothionein 2A
A_24_P83738	1.21x10 ⁻⁴	1.91	ASTN2	astrotactin 2
A_32_P64919	1.62x10 ⁻⁴	1.91	DIAPH3	diaphanous related formin 3
A_23_P306148	4.10x10 ⁻⁴	1.91	PML	promyelocytic leukemia
A_23_P207058	5.51x10 ⁻⁴	1.91	SOCS3	suppressor of cytokine signaling 3
A_24_P416346	9.98x10 ⁻⁴	1.91	ETV4	ETS variant 4
A_23_P369316	1.82x10 ⁻³	1.91	VANGL1	VANGL planar cell polarity protein 1
A_24_P943095	1.97x10 ⁻³	1.91	SPECC1	sperm antigen with calponin homology and coiled-coil domains 1
A_23_P118174	4.59x10 ⁻³	1.91	PLK1	polo like kinase 1
A_23_P213288	1.24x10 ⁻²	1.91	SCD5	stearoyl-CoA desaturase 5
A_24_P297888	1.42x10 ⁻²	1.91	MTAP	methylthioadenosine phosphorylase
A_23_P358944	3.97x10 ⁻⁵	1.90	PML	promyelocytic leukemia
A_23_P353005	4.79x10 ⁻⁵	1.90	RNF217	ring finger protein 217
A_24_P22050	3.00x10 ⁻⁴	1.90	RAB20	RAB20 member RAS oncogene family
A_23_P65041	1.85x10 ⁻³	1.90	RACGAP1P	Rac GTPase activating protein 1 pseudogene
A_24_P142118	2.94x10 ⁻³	1.90	THBS1	thrombospondin 1
A_23_P76078	2.03x10 ⁻²	1.90	IL23A	interleukin 23 subunit α
A_23_P151267	6.41x10 ⁻⁵	1.89	LIMA1	LIM domain and actin binding 1
A_32_P416583	3.96x10 ⁻⁴	1.89	NLR3	NLR family CARD domain containing 5
A_23_P124417	1.54x10 ⁻³	1.89	BUB1	BUB1 mitotic checkpoint serine
A_23_P92499	1.12x10 ⁻²	1.89	TLR2	toll like receptor 2
A_23_P48669	2.87x10 ⁻²	1.89	CDKN3	cyclin dependent kinase inhibitor 3
A_23_P310317	1.48x10 ⁻⁴	1.88	TCOF1	treacle ribosome biogenesis factor 1
A_23_P415443	1.64x10 ⁻⁴	1.88	NCAPH	non-SMC condensin I complex subunit H
A_23_P343411	2.25x10 ⁻⁴	1.88	AGRN	agrin
A_23_P43557	2.53x10 ⁻⁴	1.88	DENND1A	DENN domain containing 1A
A_23_P207850	4.62x10 ⁻⁴	1.88	TNS4	tensin 4
A_32_P96719	3.27x10 ⁻³	1.88	SHCBP1	SHC binding and spindle associated 1

A_24_P412088	3.67x10 ⁻³	1.88	MCM10	minichromosome maintenance 10 replication initiation factor
A_23_P43810	1.31x10 ⁻²	1.88	LTBP1	latent transforming growth factor β binding protein 1
A_23_P335486	1.60x10 ⁻²	1.88	DNAAF3	dynein axonemal assembly factor 3
A_23_P420831	3.06x10 ⁻²	1.88	TRIM10	tripartite motif containing 10
A_23_P5211	4.31x10 ⁻²	1.88	MUC16	mucin 16 cell surface associated
A_32_P101235	3.31x10 ⁻⁴	1.87	UHRF1	ubiquitin like with PHD and ring finger domains 1
A_24_P218979	3.47x10 ⁻⁴	1.87	CDCA3	cell division cycle associated 3
A_24_P25872	4.47x10 ⁻⁴	1.87	DEPDC1	DEP domain containing 1
A_23_P416395	2.71x10 ⁻³	1.87	STC2	stanniocalcin 2
A_23_P81805	3.46x10 ⁻³	1.87	VEGFA	vascular endothelial growth factor A
A_24_P45446	1.57x10 ⁻²	1.87	GBP4	guanylate binding protein 4
A_23_P141447	1.91x10 ⁻²	1.87	RDM1	RAD52 motif containing 1
A_23_P57588	3.01x10 ⁻⁴	1.86	GTSE1	G2 and S-phase expressed 1
A_23_P54840	3.38x10 ⁻⁴	1.86	MT1A	metallothionein 1A
A_24_P313504	7.13x10 ⁻⁴	1.86	PLK1	polo like kinase 1
A_32_P305888	7.70x10 ⁻⁴	1.86	SH3TC2	SH3 domain and tetratricopeptide repeats 2
A_23_P258234	8.07x10 ⁻⁴	1.86	DCBLD1	discoidin CUB and LCCL domain containing 1
A_23_P68155	1.06x10 ⁻³	1.86	IFIH1	interferon induced with helicase C domain 1
A_23_P258321	2.70x10 ⁻³	1.86	MRPS17	mitochondrial ribosomal protein S17
A_32_P193080	3.22x10 ⁻³	1.86	FMNL2	formin like 2
A_23_P143190	4.86x10 ⁻³	1.86	MYBL2	MYB proto-oncogene like 2
A_23_P25030	1.15x10 ⁻²	1.86	HSD17B6	hydroxysteroid 17- β dehydrogenase 6
A_32_P103955	1.84x10 ⁻²	1.86	LINC01615	long intergenic non-protein coding RNA 1615
A_23_P111194	3.18x10 ⁻²	1.86	SPDEF	SAM pointed domain containing ETS transcription factor
A_24_P582705	4.31x10 ⁻²	1.86	KCNB1	potassium voltage-gated channel subfamily B member 1
A_24_P332647	6.52x10 ⁻⁴	1.85	SSH1	slingshot protein phosphatase 1
A_24_P84898	7.03x10 ⁻⁴	1.85	FEN1	flap structure-specific endonuclease 1
A_23_P386398	1.28x10 ⁻³	1.85	C6orf141	chromosome 6 open reading frame 141
A_23_P126825	2.02x10 ⁻³	1.85	SLC16A1	solute carrier family 16 member 1
A_24_P252823	2.87x10 ⁻³	1.85	AMOTL1	angiominin like 1
A_23_P58321	4.31x10 ⁻³	1.85	CCNA2	cyclin A2

A_23_P37718	5.36x10 ⁻³	1.85	CNGB1	cyclic nucleotide gated channel β1
A_23_P335495	8.50x10 ⁻³	1.85	ANO7	anoctamin 7
A_23_P373126	1.23x10 ⁻³	1.84	HLA-K	major histocompatibility complex class I K (pseudogene)
A_23_P136786	6.64x10 ⁻³	1.84	GINS4	GINS complex subunit 4
A_23_P111000	1.14x10 ⁻²	1.84	PSMB9	proteasome subunit β9
A_24_P124558	3.05x10 ⁻²	1.84	HOXC8	homeobox C8
A_23_P54313	3.80x10 ⁻⁵	1.83	CD276	CD276 molecule
A_23_P331895	3.05x10 ⁻⁴	1.83	TTYH3	tweety family member 3
A_23_P144896	4.15x10 ⁻⁴	1.83	PDLIM7	PDZ and LIM domain 7
A_23_P212844	1.24x10 ⁻³	1.83	TACC3	transforming acidic coiled-coil containing protein 3
A_23_P206707	1.53x10 ⁻³	1.83	MT1G	metallothionein 1G
A_24_P205181	4.69x10 ⁻³	1.83	OTUD7B	OTU deubiquitinase 7B
A_23_P138760	1.50x10 ⁻²	1.83	CLCF1	cardiotrophin-like cytokine factor 1
A_24_P51061	2.02x10 ⁻²	1.83	DCBLD2	discoidin CUB and LCCL domain containing 2
A_24_P225970	3.20x10 ⁻⁴	1.82	SGO1	shugoshin 1
A_23_P109034	5.62x10 ⁻⁴	1.82	SDC4	syndecan 4
A_23_P24716	7.77x10 ⁻⁴	1.82	TMEM132A	transmembrane protein 132A
A_23_P73593	8.81x10 ⁻⁴	1.82	MSN	moesin
A_24_P924183	4.04x10 ⁻³	1.82	MYO10	myosin X
A_23_P36562	4.89x10 ⁻³	1.82	ITGA5	integrin subunit α5
A_23_P94795	1.69x10 ⁻⁵	1.81	TEAD4	TEA domain transcription factor 4
A_23_P59005	1.02x10 ⁻⁴	1.81	TAP1	transporter 1 ATP binding cassette subfamily B member
A_23_P152753	1.07x10 ⁻⁴	1.81	DBF4B	DBF4 zinc finger B
A_24_P161018	1.54x10 ⁻³	1.81	PARP14	poly(ADP-ribose) polymerase family member 14
A_23_P116123	2.52x10 ⁻³	1.81	CHEK1	checkpoint kinase 1
A_24_P360529	7.63x10 ⁻³	1.81	PDE7A	phosphodiesterase 7A
A_32_P332317	1.60x10 ⁻²	1.81	BLACAT1	bladder cancer associated transcript 1 (non-protein coding)
A_23_P2645	2.00x10 ⁻²	1.81	SDS	serine dehydratase
A_24_P196519	3.89x10 ⁻²	1.81	MTAP	methylthioadenosine phosphorylase
A_23_P98304	4.84x10 ⁻²	1.81	ANO1	anoctamin 1
A_23_P120056	2.87x10 ⁻⁶	1.80	RTKN	rhotekin

A_23_P208880	1.79x10 ⁻⁵	1.80	UHRF1	ubiquitin like with PHD and ring finger domains 1
A_23_P206877	1.46x10 ⁻⁴	1.80	RRN3	RRN3 homolog RNA polymerase I transcription factor
A_23_P251730	1.24x10 ⁻³	1.80	ATP11C	ATPase phospholipid transporting 11C
A_23_P253752	1.44x10 ⁻³	1.80	MTFR2	mitochondrial fission regulator 2
A_23_P210853	2.97x10 ⁻³	1.80	GINS1	GINS complex subunit 1
A_23_P500381	4.36x10 ⁻³	1.80	HTR7	5-hydroxytryptamine receptor 7
A_24_P340853	3.75x10 ⁻²	1.80	PARP10	poly(ADP-ribose) polymerase family member 10
A_23_P137143	5.16x10 ⁻⁶	1.79	DKC1	dyskerin pseudouridine synthase 1
A_23_P165657	2.38x10 ⁻⁴	1.79	SLC20A1	solute carrier family 20 member 1
A_24_P24819	3.62x10 ⁻⁴	1.79	AGRN	agrin
A_23_P350001	1.63x10 ⁻³	1.79	GUCY1A2	guanylate cyclase 1 soluble subunit α 2
A_23_P162476	2.13x10 ⁻³	1.79	CDCA3	cell division cycle associated 3
A_23_P427634	2.71x10 ⁻³	1.79	ASB10	ankyrin repeat and SOCS box containing 10
A_23_P93772	3.07x10 ⁻³	1.79	HOXA5	homeobox A5
A_23_P376372	3.97x10 ⁻³	1.79	MARVELD3	MARVEL domain containing 3
A_23_P129075	6.77x10 ⁻³	1.79	WDR76	WD repeat domain 76
A_24_P145629	1.25x10 ⁻²	1.79	SERINC2	serine incorporator 2
A_23_P69768	3.69x10 ⁻²	1.79	CLDN22	claudin 22
A_24_P365807	3.19x10 ⁻⁵	1.78	EFNB1	ephrin B1
A_23_P140705	1.01x10 ⁻⁴	1.78	KNSTRN	kinetochore localized astrin
A_23_P123125	2.09x10 ⁻⁴	1.78	CCM2	CCM2 scaffolding protein
A_32_P85500	2.44x10 ⁻³	1.78	HCP5	HLA complex P5 (non-protein coding)
A_24_P916195	2.80x10 ⁻³	1.78	TRMU	tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase
A_23_P44684	5.13x10 ⁻³	1.78	ECT2	epithelial cell transforming 2
A_23_P392942	8.55x10 ⁻³	1.78	MSR1	macrophage scavenger receptor 1
A_24_P303480	9.28x10 ⁻³	1.78	RAB32	RAB32 member RAS oncogene family
A_23_P205697	1.09x10 ⁻²	1.78	DLST	dihydrolipoamide S-succinyltransferase
A_23_P393034	2.14x10 ⁻²	1.78	HAS3	hyaluronan synthase 3
A_23_P351069	3.19x10 ⁻²	1.78	SOCS3	suppressor of cytokine signaling 3
A_24_P117620	3.52x10 ⁻²	1.78	CAMK2N1	calcium
A_24_P157156	3.94x10 ⁻²	1.78	CCDC150	coiled-coil domain containing 150
A_23_P50108	2.24x10 ⁻⁴	1.77	NDC80	NDC80 kinetochore complex component

A_23_P28733	2.48x10 ⁻⁴	1.77	RBL1	RB transcriptional corepressor like 1
A_23_P88831	2.74x10 ⁻⁴	1.77	SLC7A6	solute carrier family 7 member 6
A_23_P387856	3.05x10 ⁻⁴	1.77	NEDD4L	neural precursor cell expressed developmentally downregulated 4-like E3 ubiquitin protein ligase
A_23_P43273	8.71x10 ⁻⁴	1.77	EXT1	exostosin glycosyltransferase 1
A_24_P310009	1.74x10 ⁻³	1.77	USP43	ubiquitin specific peptidase 43
A_23_P71558	1.97x10 ⁻³	1.77	RECQL4	RecQ like helicase 4
A_23_P68072	2.30x10 ⁻³	1.77	WDR54	WD repeat domain 54
A_24_P680947	2.83x10 ⁻³	1.77	KIF18B	kinesin family member 18B
A_24_P180165	5.04x10 ⁻³	1.77	IL1RAP	interleukin 1 receptor accessory protein
A_24_P174793	2.32x10 ⁻²	1.77	PCSK1	proprotein convertase subtilisin
A_23_P121702	3.31x10 ⁻⁴	1.76	OCIAD2	OCIA domain containing 2
A_23_P8906	4.04x10 ⁻⁴	1.76	LRP12	LDL receptor related protein 12
A_24_P239689	7.59x10 ⁻⁴	1.76	SGTB	small glutamine rich tetratricopeptide repeat containing β
A_23_P256334	1.18x10 ⁻³	1.76	ITGA1	integrin subunit α 1
A_23_P129967	2.07x10 ⁻³	1.76	C17orf53	chromosome 17 open reading frame 53
A_24_P200000	2.76x10 ⁻³	1.76	STEAP3	STEAP3 metalloreductase
A_23_P167553	2.80x10 ⁻³	1.76	DHFR	dihydrofolate reductase
A_23_P155711	3.12x10 ⁻³	1.76	NEIL3	nei like DNA glycosylase 3
A_32_P51855	4.26x10 ⁻³	1.76	LOC101928955	uncharacterized LOC101928955
A_23_P46429	9.20x10 ⁻³	1.76	CYR61	cysteine rich angiogenic inducer 61
A_23_P126540	1.52x10 ⁻²	1.76	TMIGD3	transmembrane and immunoglobulin domain containing 3
A_23_P106874	2.28x10 ⁻²	1.76	PMFBP1	polyamine modulated factor 1 binding protein 1
A_23_P118842	2.81x10 ⁻²	1.76	KRTAP1-5	keratin associated protein 1-5
A_23_P91590	2.95x10 ⁻⁴	1.75	RANBP1	RAN binding protein 1
A_24_P273716	3.55x10 ⁻⁴	1.75	ZBTB24	zinc finger and BTB domain containing 24
A_23_P57379	1.21x10 ⁻³	1.75	CDC45	cell division cycle 45
A_23_P52278	1.32x10 ⁻³	1.75	KIF11	kinesin family member 11
A_24_P290927	2.34x10 ⁻³	1.75	UBAP2L	ubiquitin associated protein 2 like
A_32_P76720	2.90x10 ⁻³	1.75	NT5DC3	5'-nucleotidase domain containing 3
A_24_P14156	3.17x10 ⁻³	1.75	NDC80	NDC80 kinetochore complex component
A_24_P320284	3.68x10 ⁻³	1.75	DHFR	dihydrofolate reductase

A_23_P15844	6.46x10 ⁻³	1.75	BRIP1	BRCA1 interacting protein C-terminal helicase 1
A_24_P238609	1.47x10 ⁻²	1.75	HCP5	HLA complex P5 (non-protein coding)
A_23_P156327	1.93x10 ⁻²	1.75	TGFBI	transforming growth factor βinduced
A_23_P85922	2.96x10 ⁻²	1.75	BMP8A	bone morphogenetic protein 8a
A_23_P206272	3.77x10 ⁻²	1.75	USB1	U6 snRNA biogenesis phosphodiesterase 1
A_24_P294343	1.20x10 ⁻³	1.74	C3orf52	chromosome 3 open reading frame 52
A_23_P55099	2.72x10 ⁻³	1.74	PRKCA	protein kinase C α
A_23_P130182	6.71x10 ⁻³	1.74	AURKB	aurora kinase B
A_24_P234196	1.06x10 ⁻²	1.74	RRM2	ribonucleotide reductase regulatory subunit M2
A_24_P87931	2.31x10 ⁻²	1.74	APOL1	apolipoprotein L1
A_23_P82550	1.21x10 ⁻⁴	1.73	STK17A	serine
A_23_P117654	2.10x10 ⁻⁴	1.73	MYO5A	myosin VA
A_24_P269062	1.20x10 ⁻³	1.73	SPRY4	sprouty RTK signaling antagonist 4
A_24_P247536	1.21x10 ⁻³	1.73	FAM133B	family with sequence similarity 133 member B
A_24_P198598	1.59x10 ⁻³	1.73	PML	promyelocytic leukemia
A_24_P82106	2.88x10 ⁻³	1.73	MMP14	matrix metalloproteinase 14
A_23_P23303	3.46x10 ⁻³	1.73	EXO1	exonuclease 1
A_24_P911571	4.69x10 ⁻³	1.73	GNB5	G protein subunit β5
A_24_P252739	1.29x10 ⁻²	1.73	KLF6	Kruppel like factor 6
A_23_P56630	1.98x10 ⁻²	1.73	STAT1	signal transducer and activator of transcription 1
A_24_P291814	2.28x10 ⁻²	1.73	COL12A1	collagen type XII α1 chain
A_23_P62642	1.30x10 ⁻⁴	1.72	CFAP45	cilia and flagella associated protein 45
A_24_P261083	1.60x10 ⁻⁴	1.72	OSGIN2	oxidative stress induced growth inhibitor family member 2
A_23_P74115	3.10x10 ⁻⁴	1.72	RAD54L	RAD54-like (<i>S. cerevisiae</i>)
A_23_P55564	1.02x10 ⁻³	1.72	ZCCHC2	zinc finger CCHC-type containing 2
A_23_P259189	1.44x10 ⁻³	1.72	CLIC4	chloride intracellular channel 4
A_23_P206724	4.58x10 ⁻³	1.72	MT1E	metallothionein 1E
A_23_P337934	6.07x10 ⁻³	1.72	FBLIM1	filamin binding LIM protein 1
A_24_P346855	6.57x10 ⁻³	1.72	MKI67	marker of proliferation Ki-67
A_23_P124456	1.02x10 ⁻²	1.72	PDE4D	phosphodiesterase 4D
A_23_P100344	1.04x10 ⁻²	1.72	ORC6	origin recognition complex subunit 6

A_23_P206018	3.22x10 ⁻²	1.72	TPM1	tropomyosin 1 (α)
A_23_P502980	4.69x10 ⁻⁴	1.71	DGKH	diacylglycerol kinase eta
A_23_P27279	5.87x10 ⁻⁴	1.71	NEDD4L	neural precursor cell expressed developmentally downregulated 4-like E3 ubiquitin protein ligase
A_24_P319613	7.52x10 ⁻⁴	1.71	NEK2	NIMA related kinase 2
A_23_P51085	2.59x10 ⁻³	1.71	SPC25	SPC25 NDC80 kinetochore complex component
A_23_P70161	3.15x10 ⁻³	1.71	ITGA2	integrin subunit α 2
A_23_P388146	3.28x10 ⁻³	1.71	ZNF587	zinc finger protein 587
A_32_P135243	3.49x10 ⁻³	1.71	MTHFD1L	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like
A_23_P333998	4.13x10 ⁻²	1.71	POLQ	DNA polymerase θ
A_24_P51118	4.38x10 ⁻²	1.71	MTAP	methylthioadenosine phosphorylase
A_23_P213944	4.99x10 ⁻²	1.71	HBEGF	heparin binding EGF like growth factor
A_23_P156289	1.68x10 ⁻⁴	1.70	OSMR	oncostatin M receptor
A_23_P131502	8.76x10 ⁻⁴	1.70	TTL	tubulin tyrosine ligase
A_24_P166663	1.24x10 ⁻³	1.70	CDK6	cyclin dependent kinase 6
A_23_P139418	3.43x10 ⁻³	1.70	GALNT18	polypeptide N-acetylgalactosaminyltransferase 18
A_32_P56759	4.21x10 ⁻³	1.70	PARP14	poly(ADP-ribose) polymerase family member 14
A_32_P77989	4.97x10 ⁻³	1.70	NETO2	neuropilin and tolloid like 2
A_24_P103004	5.81x10 ⁻³	1.70	SLC20A1	solute carrier family 20 member 1
A_23_P121423	8.19x10 ⁻³	1.70	CDC25A	cell division cycle 25A
A_23_P74178	1.37x10 ⁻²	1.70	HCRTR1	hypocretin receptor 1
A_24_P199774	2.25x10 ⁻²	1.70	TINAGL1	tubulointerstitial nephritis antigen like 1
A_32_P440768	2.50x10 ⁻²	1.70	ALOX12P2	arachidonate 12-lipoxygenase pseudogene 2
A_23_P16469	2.85x10 ⁻²	1.70	PLAUR	plasminogen activator urokinase receptor
A_23_P259833	3.71x10 ⁻²	1.70	PIK3CD	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit δ
A_24_P936010	4.49x10 ⁻²	1.70	LASP1	LIM and SH3 protein 1
A_23_P25873	1.88x10 ⁻⁴	1.69	WDHD1	WD repeat and HMG-box DNA binding protein 1
A_23_P63980	3.72x10 ⁻⁴	1.69	LRFN4	leucine rich repeat and fibronectin type III domain containing 4
A_23_P345139	4.33x10 ⁻⁴	1.69	MFSD12	major facilitator superfamily domain containing 12
A_23_P65757	5.62x10 ⁻⁴	1.69	CCNB2	cyclin B2
A_23_P409462	6.40x10 ⁻⁴	1.69	DCBLD1	discoidin CUB and LCCL domain containing 1

A_24_P76831	4.27x10 ⁻³	1.69	SLC11A1	solute carrier family 11 member 1
A_24_P392496	5.37x10 ⁻³	1.69	LOC100133920	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like pseudogene
A_24_P397107	5.48x10 ⁻³	1.69	CDC25A	cell division cycle 25A
A_24_P350160	2.23x10 ⁻²	1.69	RSRC2	arginine and serine rich coiled-coil 2
A_23_P166797	2.30x10 ⁻²	1.69	RTP4	receptor transporter protein 4
A_23_P124892	4.72x10 ⁻²	1.69	KISS1	KiSS-1 metastasis-suppressor
A_23_P428287	4.75x10 ⁻²	1.69	GJC1	gap junction protein γ 1
A_23_P107421	5.10x10 ⁻⁴	1.68	TK1	thymidine kinase 1
A_23_P340909	1.24x10 ⁻³	1.68	SKA3	spindle and kinetochore associated complex subunit 3
A_24_P73158	1.43x10 ⁻³	1.68	FEN1	flap structure-specific endonuclease 1
A_32_P77343	5.78x10 ⁻³	1.68	XRCC2	X-ray repair cross complementing 2
A_24_P366107	8.08x10 ⁻³	1.68	DNA2	DNA replication helicase
A_23_P256956	8.90x10 ⁻³	1.68	KIF20A	kinesin family member 20A
A_24_P928765	1.80x10 ⁻²	1.68	LOC101927746	uncharacterized LOC101927746
A_24_P24848	3.63x10 ⁻²	1.68	PSORS1C1	psoriasis susceptibility 1 candidate 1
A_23_P146584	2.32x10 ⁻⁵	1.67	MSANTD3	Myb
A_23_P7596	8.10x10 ⁻⁵	1.67	MYO10	myosin X
A_23_P40156	1.90x10 ⁻⁴	1.67	TTPAL	α tocopherol transfer protein like
A_23_P163481	7.93x10 ⁻⁴	1.67	BUB1B	BUB1 mitotic checkpoint serine
A_23_P133956	1.10x10 ⁻³	1.67	KIFC1	kinesin family member C1
A_32_P107493	1.39x10 ⁻³	1.67	SPATA33	spermatogenesis associated 33
A_23_P255750	1.53x10 ⁻³	1.67	ATAD5	ATPase family AAA domain containing 5
A_23_P210176	2.62x10 ⁻³	1.67	ITGA6	integrin subunit α 6
A_24_P349466	4.15x10 ⁻³	1.67	PRR13	proline rich 13
A_23_P202327	6.13x10 ⁻³	1.67	ADAM12	ADAM metallopeptidase domain 12
A_24_P194081	1.50x10 ⁻²	1.67	FXYD5	FXYD domain containing ion transport regulator 5
A_23_P66211	2.02x10 ⁻²	1.67	PAQR4	progesterone and adipoQ receptor family member 4
A_24_P256513	2.55x10 ⁻²	1.67	AGGF1	angiogenic factor with G-patch and FHA domains 1
A_24_P367227	2.73x10 ⁻²	1.67	MYBL1	MYB proto-oncogene like 1
A_32_P36973	3.74x10 ⁻²	1.67	LOC100507140	uncharacterized LOC100507140
A_24_P184555	1.45x10 ⁻⁴	1.66	PXN	paxillin

A_23_P253524	1.49x10 ⁻⁴	1.66	CENPE	centromere protein E
A_32_P1173	3.85x10 ⁻⁴	1.66	MB21D1	Mab-21 domain containing 1
A_23_P370989	8.04x10 ⁻⁴	1.66	MCM4	minichromosome maintenance complex component 4
A_23_P210690	1.79x10 ⁻³	1.66	TRIB3	tribbles pseudokinase 3
A_24_P415012	2.30x10 ⁻³	1.66	LRP12	LDL receptor related protein 12
A_24_P93901	5.27x10 ⁻³	1.66	SIN3B	SIN3 transcription regulator family member B
A_24_P349092	5.56x10 ⁻³	1.66	LHFPL2	lipoma HMGIC fusion partner-like 2
A_23_P7473	7.00x10 ⁻³	1.66	SH3TC2	SH3 domain and tetratricopeptide repeats 2
A_24_P238578	7.79x10 ⁻³	1.66	ZNF518B	zinc finger protein 518B
A_24_P48014	1.12x10 ⁻²	1.66	SOCS1	suppressor of cytokine signaling 1
A_23_P159172	1.56x10 ⁻²	1.66	AATK	apoptosis associated tyrosine kinase
A_23_P138465	9.27x10 ⁻⁵	1.65	NOLC1	nucleolar and coiled-body phosphoprotein 1
A_23_P206612	2.27x10 ⁻⁴	1.65	USP31	ubiquitin specific peptidase 31
A_23_P28906	2.53x10 ⁻⁴	1.65	KIF16B	kinesin family member 16B
A_23_P53458	2.80x10 ⁻⁴	1.65	CORO1C	coronin 1C
A_32_P122754	3.27x10 ⁻⁴	1.65	MSANTD3	Myb
A_23_P65481	6.67x10 ⁻⁴	1.65	TEP1	telomerase associated protein 1
A_24_P698141	8.29x10 ⁻³	1.65	LOC344967	acyl-CoA thioesterase 7 pseudogene
A_24_P380022	2.41x10 ⁻²	1.65	EIF5A2	eukaryotic translation initiation factor 5A2
A_24_P235248	3.73x10 ⁻²	1.65	PTPRZ1	protein tyrosine phosphatase receptor type Z1
A_23_P119458	4.07x10 ⁻²	1.65	DPF1	double PHD fingers 1
A_32_P103220	4.16x10 ⁻²	1.65	ADAMTS12	ADAM metallopeptidase with thrombospondin type 1 motif 12
A_23_P73589	8.36x10 ⁻⁵	1.64	MSN	moesin
A_23_P119390	1.46x10 ⁻³	1.64	EHD2	EH domain containing 2
A_23_P201538	3.70x10 ⁻³	1.64	JUN	Jun proto-oncogene AP-1 transcription factor subunit
A_23_P52634	3.98x10 ⁻³	1.64	PANX1	pannexin 1
A_24_P37873	4.65x10 ⁻³	1.64	ESM1	endothelial cell specific molecule 1
A_23_P405267	7.69x10 ⁻³	1.64	CDH24	cadherin 24
A_23_P133739	9.46x10 ⁻³	1.64	HUS1B	HUS1 checkpoint clamp component B
A_23_P122197	9.78x10 ⁻³	1.64	CCNB1	cyclin B1
A_23_P41227	1.12x10 ⁻²	1.64	ALCAM	activated leukocyte cell adhesion molecule
A_24_P225679	1.24x10 ⁻²	1.64	IRS1	insulin receptor substrate 1

A_23_P34325	3.20x10 ⁻²	1.64	LRP8	LDL receptor related protein 8
A_23_P18966	4.25x10 ⁻²	1.64	P4HA2	prolyl 4-hydroxylase subunit α 2
A_23_P68998	4.80x10 ⁻²	1.64	MIOX	myo-inositol oxygenase
A_24_P168822	2.88x10 ⁻³	1.63	KRBOX4	KRAB box domain containing 4
A_24_P56833	3.05x10 ⁻³	1.63	HSD17B1	hydroxysteroid 17- β dehydrogenase 1
A_32_P171328	3.43x10 ⁻³	1.63	UBE2S	ubiquitin conjugating enzyme E2 S
A_23_P58009	4.13x10 ⁻³	1.63	C3orf52	chromosome 3 open reading frame 52
A_23_P130995	8.53x10 ⁻³	1.63	FXYD5	FXYD domain containing ion transport regulator 5
A_24_P89718	1.84x10 ⁻²	1.63	TTC26	tetratricopeptide repeat domain 26
A_24_P17870	2.12x10 ⁻²	1.63	HCP5	HLA complex P5 (non-protein coding)
A_24_P361480	2.41x10 ⁻²	1.63	TANC2	tetratricopeptide repeat ankyrin repeat and coiled-coil containing 2
A_32_P62145	2.46x10 ⁻²	1.63	P4HA2	prolyl 4-hydroxylase subunit α 2
A_23_P210726	2.58x10 ⁻²	1.63	CDC25B	cell division cycle 25B
A_23_P165028	1.80x10 ⁻⁴	1.62	DAPK3	death associated protein kinase 3
A_23_P43800	2.95x10 ⁻⁴	1.62	BOP1	block of proliferation 1
A_23_P313223	8.07x10 ⁻⁴	1.62	C11orf84	chromosome 11 open reading frame 84
A_23_P142750	1.14x10 ⁻³	1.62	EIF2AK2	eukaryotic translation initiation factor 2 α kinase 2
A_23_P215265	3.15x10 ⁻³	1.62	GNA12	G protein subunit α 12
A_23_P145752	3.37x10 ⁻³	1.62	HOXA1	homeobox A1
A_23_P136805	5.72x10 ⁻³	1.62	ARHGAP11A	Rho GTPase activating protein 11A
A_24_P911928	1.84x10 ⁻²	1.62	MYBL1	MYB proto-oncogene like 1
A_24_P677712	2.06x10 ⁻²	1.62	LOC101929680	uncharacterized LOC101929680
A_24_P406006	2.56x10 ⁻²	1.62	LPCAT1	lysophosphatidylcholine acyltransferase 1
A_32_P99753	3.54x10 ⁻²	1.62	EFCAB12	EF-hand calcium binding domain 12
A_23_P66319	4.82x10 ⁻⁵	1.61	BCAR1	BCAR1 Cas family scaffolding protein
A_23_P122563	7.58x10 ⁻⁵	1.61	PFDN6	prefoldin subunit 6
A_23_P309991	2.73x10 ⁻⁴	1.61	BCL2L11	BCL2 like 11
A_23_P213014	3.58x10 ⁻³	1.61	SLC2A9	solute carrier family 2 member 9
A_23_P212977	3.78x10 ⁻³	1.61	OTUD4	OTU deubiquitinase 4
A_23_P133123	6.46x10 ⁻³	1.61	MND1	meiotic nuclear divisions 1
A_32_P9753	1.09x10 ⁻²	1.61	VMP1	vacuole membrane protein 1

A_24_P247879	1.09x10 ⁻²	1.61	PIGG	phosphatidylinositol glycan anchor biosynthesis class G
A_23_P112241	1.24x10 ⁻²	1.61	DNAJB5	DnaJ heat shock protein family (Hsp40) member B5
A_24_P15621	1.28x10 ⁻²	1.61	SLC6A10P	solute carrier family 6 member 10 pseudogene
A_24_P226278	1.68x10 ⁻²	1.61	JADE2	jade family PHD finger 2
A_23_P51856	1.74x10 ⁻²	1.61	DUSP10	dual specificity phosphatase 10
A_23_P4679	5.78x10 ⁻⁵	1.60	ERF	ETS2 repressor factor
A_23_P129486	1.87x10 ⁻⁴	1.60	MSRB1	methionine sulfoxide reductase B1
A_23_P15357	6.25x10 ⁻⁴	1.60	LGALS3BP	galectin 3 binding protein
A_23_P407614	1.03x10 ⁻³	1.60	PYDC1	pyrin domain containing 1
A_23_P161918	1.08x10 ⁻³	1.60	CCDC86	coiled-coil domain containing 86
A_23_P106844	1.22x10 ⁻³	1.60	MT2A	metallothionein 2A
A_23_P55149	1.74x10 ⁻³	1.60	AP2B1	adaptor related protein complex 2 β 1 subunit
A_24_P373976	5.60x10 ⁻³	1.60	SDC4	syndecan 4
A_23_P571	1.61x10 ⁻²	1.60	SLC2A1	solute carrier family 2 member 1
A_23_P259251	1.96x10 ⁻²	1.60	KCND2	potassium voltage-gated channel subfamily D member 2
A_23_P123503	2.55x10 ⁻²	1.60	TRIB1	tribbles pseudokinase 1
A_23_P17307	4.79x10 ⁻⁵	1.59	MRGBP	MRG
A_32_P62863	8.51x10 ⁻⁵	1.59	SCHIP1	schwannomin interacting protein 1
A_23_P113825	3.52x10 ⁻⁴	1.59	NACC2	NACC family member 2
A_24_P305764	9.77x10 ⁻⁴	1.59	SMS	spermine synthase
A_23_P252106	1.37x10 ⁻³	1.59	RIPK2	receptor interacting serine
A_24_P248122	7.24x10 ⁻³	1.59	AFAP1L1	actin filament associated protein 1 like 1
A_23_P18559	1.47x10 ⁻²	1.59	INPP4B	inositol polyphosphate-4-phosphatase type II B
A_23_P156198	2.14x10 ⁻²	1.59	JADE2	jade family PHD finger 2
A_23_P368909	2.93x10 ⁻²	1.59	LINC00346	long intergenic non-protein coding RNA 346
A_23_P205789	1.68x10 ⁻⁵	1.58	GABPB1	GA binding protein transcription factor β subunit 1
A_24_P251053	6.13x10 ⁻⁴	1.58	EFHD2	EF-hand domain family member D2
A_24_P323395	1.06x10 ⁻³	1.58	CRIM1	cysteine rich transmembrane BMP regulator 1
A_24_P418762	1.20x10 ⁻³	1.58	SH3RF1	SH3 domain containing ring finger 1
A_23_P26557	3.80x10 ⁻³	1.58	C16orf59	chromosome 16 open reading frame 59
A_24_P363100	1.10x10 ⁻²	1.58	RGMB	repulsive guidance molecule family member b
A_23_P52298	1.10x10 ⁻²	1.58	NPM3	nucleophosmin

A_23_P88538	2.25x10 ⁻²	1.58	NTRK3	neurotrophic receptor tyrosine kinase 3
A_24_P236949	2.54x10 ⁻²	1.58	C19orf66	chromosome 19 open reading frame 66
A_23_P26583	3.05x10 ⁻²	1.58	NLR C5	NLR family CARD domain containing 5
A_24_P225616	3.36x10 ⁻²	1.58	RRM2	ribonucleotide reductase regulatory subunit M2
A_23_P156687	4.77x10 ⁻²	1.58	CFB	complement factor B
A_23_P349267	4.05x10 ⁻³	1.57	KCNE5	potassium voltage-gated channel subfamily E regulatory subunit 5
A_23_P76006	4.66x10 ⁻³	1.57	SERPINH1	serpin family H member 1
A_24_P251040	6.32x10 ⁻³	1.57	ARTN	artemin
A_32_P919718	1.40x10 ⁻²	1.57	TMEM105	transmembrane protein 105
A_24_P379353	1.78x10 ⁻²	1.57	CCDC24	coiled-coil domain containing 24
A_23_P23457	2.03x10 ⁻²	1.57	FBLIM1	filamin binding LIM protein 1
A_24_P932435	3.78x10 ⁻²	1.57	ANGPT2	angiopoietin 2
A_23_P119464	4.11x10 ⁻²	1.57	RHPN2	rhophilin Rho GTPase binding protein 2
A_23_P375104	6.52x10 ⁻⁵	1.56	FANCI	Fanconi anemia complementation group I
A_23_P111126	2.07x10 ⁻³	1.56	HCP5	HLA complex P5 (non-protein coding)
A_23_P52978	4.05x10 ⁻³	1.56	PRPF19	pre-mRNA processing factor 19
A_24_P11142	1.18x10 ⁻²	1.56	KIAA0040	KIAA0040
A_32_P137382	1.33x10 ⁻²	1.56	PDE7A	phosphodiesterase 7A
A_23_P165608	1.59x10 ⁻²	1.56	SEMA4F	semaphorin 4F
A_24_P937139	2.04x10 ⁻²	1.56	SNAI2	snail family transcriptional repressor 2
A_24_P125434	2.59x10 ⁻²	1.56	TXNDC2	thioredoxin domain containing 2
A_23_P32078	3.38x10 ⁻²	1.56	SLC28A3	solute carrier family 28 member 3
A_23_P57497	3.76x10 ⁻²	1.56	MYH9	myosin heavy chain 9non-muscle
A_23_P16476	4.05x10 ⁻²	1.56	KLF16	Kruppel like factor 16
A_32_P361915	9.18x10 ⁻⁴	1.55	TBC1D2B	TBC1 domain family member 2B
A_32_P95729	1.06x10 ⁻³	1.55	FANCI	Fanconi anemia complementation group I
A_23_P39364	1.88x10 ⁻³	1.55	HOMER3	homer scaffolding protein 3
A_23_P47614	2.55x10 ⁻³	1.55	PHLDA2	pleckstrin homology like domain family A member 2
A_23_P2990	2.91x10 ⁻³	1.55	CEBPE	CCAAT
A_24_P267452	5.32x10 ⁻³	1.55	CD3EAP	CD3e molecule associated protein
A_23_P355075	6.77x10 ⁻³	1.55	CENPN	centromere protein N
A_24_P323434	9.15x10 ⁻³	1.55	CDCA2	cell division cycle associated 2

A_24_P68342	9.85x10 ⁻³	1.55	COL4A1	collagen type IV α 1 chain
A_24_P48898	1.15x10 ⁻²	1.55	APOL2	apolipoprotein L2
A_23_P501634	1.41x10 ⁻²	1.55	BTN2A1	butyrophilin subfamily 2 member A1
A_32_P468743	1.54x10 ⁻²	1.55	ODF3L1	outer dense fiber of sperm tails 3 like 1
A_24_P936999	3.78x10 ⁻²	1.55	ZNF462	zinc finger protein 462
A_23_P39356	4.00x10 ⁻²	1.55	FFAR1	free fatty acid receptor 1
A_24_P127292	4.47x10 ⁻²	1.55	TTC7B	tetratricopeptide repeat domain 7B
A_23_P96542	3.31x10 ⁻⁴	1.54	VMA21	VMA21 vacuolar H ⁺ -ATPase homolog (<i>S. cerevisiae</i>)
A_23_P100127	2.19x10 ⁻³	1.54	KNL1	kinetochore scaffold 1
A_23_P319719	2.32x10 ⁻³	1.54	PGAM5	PGAM family member 5 mitochondrial serine
A_24_P133488	2.83x10 ⁻³	1.54	CDCA4	cell division cycle associated 4
A_24_P725630	3.02x10 ⁻³	1.54	RNPS1	RNA binding protein with serine rich domain 1
A_23_P29083	6.32x10 ⁻³	1.54	SLC19A1	solute carrier family 19 member 1
A_24_P354300	9.87x10 ⁻³	1.54	POC1A	POC1 centriolar protein A
A_23_P147106	1.60x10 ⁻²	1.54	TOR4A	torsin family 4 member A
A_24_P99090	1.93x10 ⁻²	1.54	CKAP2	cytoskeleton associated protein 2
A_23_P38106	2.00x10 ⁻²	1.54	SPHK1	sphingosine kinase 1
A_23_P257668	2.43x10 ⁻²	1.54	TTC26	tetratricopeptide repeat domain 26
A_32_P110390	2.84x10 ⁻²	1.54	TMEM171	transmembrane protein 171
A_23_P9621	3.05x10 ⁻²	1.54	ELF4	E74 like ETS transcription factor 4
A_32_P32061	4.68x10 ⁻²	1.54	C2orf27A	chromosome 2 open reading frame 27A
A_23_P123022	1.07x10 ⁻³	1.53	YWHAG	tyrosine 3-monooxygenase
A_23_P414308	1.37x10 ⁻³	1.53	FLCN	folliculin
A_23_P53226	1.75x10 ⁻³	1.53	CBL	Cbl proto-oncogene
A_23_P10701	1.80x10 ⁻³	1.53	APBB2	amyloid β precursor protein binding family B member 2
A_24_P943040	2.11x10 ⁻³	1.53	GNPNAT1	glucosamine-phosphate N-acetyltransferase 1
A_23_P200310	2.41x10 ⁻³	1.53	DEPDC1	DEP domain containing 1
A_23_P309198	7.21x10 ⁻³	1.53	LINC01547	long intergenic non-protein coding RNA 1547
A_24_P385611	9.93x10 ⁻³	1.53	SP100	SP100 nuclear antigen
A_32_P209624	1.16x10 ⁻²	1.53	MKRN7P	makorin ring finger protein 7 pseudogene
A_24_P345209	1.21x10 ⁻²	1.53	DYRK3	dual specificity tyrosine phosphorylation regulated kinase 3

A_24_P358400	1.50x10 ⁻²	1.53	ANKS6	ankyrin repeat and sterile α motif domain containing 6
A_23_P94461	1.58x10 ⁻²	1.53	FSD1L	fibronectin type III and SPRY domain containing 1 like
A_23_P157117	3.44x10 ⁻²	1.53	CREB5	cAMP responsive element binding protein 5
A_24_P111106	3.48x10 ⁻²	1.53	FGF1	fibroblast growth factor 1
A_24_P147910	2.69x10 ⁻⁴	1.52	SEPT9	septin 9
A_23_P9574	6.62x10 ⁻⁴	1.52	ECT2	epithelial cell transforming 2
A_24_P116017	1.54x10 ⁻³	1.52	PSMD9	proteasome 26S subunit non-ATPase 9
A_23_P153266	2.13x10 ⁻³	1.52	TOMM40	translocase of outer mitochondrial membrane 40
A_23_P135294	9.67x10 ⁻³	1.52	ALDH1B1	aldehyde dehydrogenase 1 family member B1
A_23_P118246	1.07x10 ⁻²	1.52	GINS2	GINS complex subunit 2
A_24_P305541	2.10x10 ⁻²	1.52	TRIB3	tribbles pseudokinase 3
A_24_P923370	2.72x10 ⁻²	1.52	HAVCR2	hepatitis A virus cellular receptor 2
A_24_P89987	4.04x10 ⁻²	1.52	EPB41L4B	erythrocyte membrane protein band 4.1 like 4B
A_23_P217049	3.79x10 ⁻⁴	1.51	NCS1	neuronal calcium sensor 1
A_23_P341275	8.07x10 ⁻⁴	1.51	POP1	POP1 homolog ribonuclease P
A_23_P324679	1.38x10 ⁻³	1.51	PTK2	protein tyrosine kinase 2
A_23_P207400	1.78x10 ⁻³	1.51	BRCA1	BRCA1 DNA repair associated
A_24_P324314	6.40x10 ⁻³	1.51	MXRA7	matrix remodeling associated 7
A_23_P155632	1.36x10 ⁻²	1.51	CD80	CD80 molecule
A_23_P397341	1.43x10 ⁻²	1.51	PAQR4	progesterin and adipoQ receptor family member 4
A_23_P105028	2.04x10 ⁻²	1.51	ATL3	atlastin GTPase 3
A_24_P392109	2.40x10 ⁻²	1.51	CENPN	centromere protein N
A_24_P109633	2.91x10 ⁻²	1.51	ITPK1	inositol-tetrakisphosphate 1-kinase
A_23_P431521	4.32x10 ⁻²	1.51	ELOVL5	ELOVL fatty acid elongase 5
A_24_P65803	1.92x10 ⁻⁴	1.50	MRGBP	MRG
A_24_P203622	5.13x10 ⁻⁴	1.50	DOCK7	dedicator of cytokinesis 7
A_23_P75978	5.80x10 ⁻⁴	1.50	CLPB	ClpB homolog mitochondrial AAA ATPase chaperonin
A_23_P306964	7.10x10 ⁻⁴	1.50	SEPT11	septin 11
A_23_P216068	4.15x10 ⁻³	1.50	ATAD2	ATPase family AAA domain containing 2
A_32_P80678	1.01x10 ⁻²	1.50	ADAM9	ADAM metallopeptidase domain 9
A_23_P78061	1.60x10 ⁻²	1.50	LHX1	LIM homeobox 1
A_23_P70007	2.12x10 ⁻²	1.50	HMMR	hyaluronan mediated motility receptor

A_24_P16913	3.05x10 ⁻²	1.50	ABCC4	ATP binding cassette subfamily C member 4
A_23_P97394	3.69x10 ⁻²	1.50	BCAR3	breast cancer anti-estrogen resistance 3
A_24_P737451	6.46x10 ⁻⁴	-1.50	MTERF4	mitochondrial transcription termination factor 4
A_23_P143964	1.85x10 ⁻³	-1.50	SH3BP5	SH3 domain binding protein 5
A_23_P105002	5.64x10 ⁻³	-1.50	ROM1	retinal outer segment membrane protein 1
A_24_P102343	9.86x10 ⁻³	-1.50	EPN3	epsin 3
A_24_P323967	1.72x10 ⁻²	-1.50	ZNF880	zinc finger protein 880
A_24_P82032	2.13x10 ⁻²	-1.50	RHOJ	ras homolog family member J
A_32_P88965	2.24x10 ⁻²	-1.50	DDR2	discoidin domain receptor tyrosine kinase 2
A_23_P92899	2.43x10 ⁻²	-1.50	C1QTNF2	C1q and tumor necrosis factor related protein 2
A_24_P381441	2.74x10 ⁻²	-1.50	LMO3	LIM domain only 3
A_32_P204048	3.14x10 ⁻²	-1.50	MBNL3	muscleblind like splicing regulator 3
A_32_P119348	3.17x10 ⁻²	-1.50	BICC1	BicC family RNA binding protein 1
A_23_P368805	3.57x10 ⁻²	-1.50	HHLA2	HERV-H LTR-associating 2
A_32_P85539	2.71x10 ⁻³	-1.51	HCFC2	host cell factor C2
A_23_P61945	3.83x10 ⁻³	-1.51	MITF	melanogenesis associated transcription factor
A_23_P368484	3.99x10 ⁻³	-1.51	LRRC75A	leucine rich repeat containing 75A
A_23_P206290	8.15x10 ⁻³	-1.51	ADGRG5	adhesion G protein-coupled receptor G5
A_24_P29595	8.55x10 ⁻³	-1.51	STXBP5	syntaxin binding protein 5
A_23_P155666	2.00x10 ⁻²	-1.51	NAAA	N-acylethanolamine acid amidase
A_32_P197561	2.77x10 ⁻²	-1.51	EBF1	early B-cell factor 1
A_24_P942161	3.05x10 ⁻²	-1.51	NRAP	nebulin related anchoring protein
A_32_P149288	3.16x10 ⁻²	-1.51	KIF1C	kinesin family member 1C
A_23_P77415	4.32x10 ⁻²	-1.51	OSGIN1	oxidative stress induced growth inhibitor 1
A_24_P379165	1.93x10 ⁻³	-1.52	FOXO4	forkhead box O4
A_24_P190804	7.83x10 ⁻³	-1.52	AP1S2	adaptor related protein complex 1 σ 2 subunit
A_23_P327370	1.17x10 ⁻²	-1.52	PGPEP1	pyroglutamyl-peptidase I
A_23_P122852	1.18x10 ⁻²	-1.52	SMARCD3	SWI
A_24_P415150	1.26x10 ⁻²	-1.52	GNA14	G protein subunit α 14
A_24_P181295	3.40x10 ⁻²	-1.52	C14orf37	chromosome 14 open reading frame 37
A_32_P47157	3.41x10 ⁻²	-1.52	LINC00950	long intergenic non-protein coding RNA 950
A_23_P74609	3.75x10 ⁻²	-1.52	G0S2	G0

A_23_P170679	4.14x10 ⁻²	-1.52	COL4A3	collagen type IV α 3 chain
A_23_P70060	1.07x10 ⁻³	-1.53	PLPP1	phospholipid phosphatase 1
A_23_P103104	2.50x10 ⁻³	-1.53	MFNG	MFNG O-fucosylpeptide 3- β -N-acetylglucosaminyltransferase
A_24_P140030	2.77x10 ⁻³	-1.53	CUL3	cullin 3
A_23_P340149	1.54x10 ⁻²	-1.53	ZNF711	zinc finger protein 711
A_23_P428738	2.63x10 ⁻²	-1.53	ANG	angiogenin
A_23_P216522	3.71x10 ⁻²	-1.53	TMEM8B	transmembrane protein 8B
A_23_P152963	1.96x10 ⁻⁵	-1.54	BORCS6	BLOC-1 related complex subunit 6
A_24_P942354	6.13x10 ⁻⁴	-1.54	PITPNA	phosphatidylinositol transfer protein α
A_23_P41664	3.34x10 ⁻³	-1.54	LRRC70	leucine rich repeat containing 70
A_32_P214503	1.11x10 ⁻²	-1.54	PKD3	pyruvate dehydrogenase kinase 3
A_24_P945059	1.80x10 ⁻²	-1.54	MYCT1	myc target 1
A_23_P376591	1.81x10 ⁻²	-1.54	CLYBL	citrate lyase β like
A_23_P115805	1.82x10 ⁻²	-1.54	SYCE1	synaptonemal complex central element protein 1
A_24_P941038	2.20x10 ⁻²	-1.54	VSTM4	V-set and transmembrane domain containing 4
A_24_P943026	2.32x10 ⁻²	-1.54	EPB41L4A	erythrocyte membrane protein band 4.1 like 4A
A_32_P352697	2.35x10 ⁻²	-1.54	YTHDC1	YTH domain containing 1
A_32_P122373	2.65x10 ⁻²	-1.54	MST1P2	macrophage stimulating 1 pseudogene 2
A_23_P2814	2.67x10 ⁻²	-1.54	SMAD9	SMAD family member 9
A_23_P88067	3.59x10 ⁻²	-1.54	N4BP2L1	NEDD4 binding protein 2 like 1
A_32_P70245	3.63x10 ⁻²	-1.54	TMEM178B	transmembrane protein 178B
A_24_P913374	4.34x10 ⁻⁴	-1.55	EIF4EBP2	eukaryotic translation initiation factor 4E binding protein 2
A_23_P72117	8.12x10 ⁻⁴	-1.55	SMPDL3A	sphingomyelin phosphodiesterase acid like 3A
A_24_P759674	1.15x10 ⁻³	-1.55	OBFC1	oligonucleotide
A_23_P62901	8.44x10 ⁻³	-1.55	BTG2	BTG anti-proliferation factor 2
A_23_P21363	1.07x10 ⁻²	-1.55	AHNAK	AHNAK nucleoprotein
A_23_P44964	1.47x10 ⁻²	-1.55	FAM171A1	family with sequence similarity 171 member A1
A_32_P204239	1.61x10 ⁻²	-1.55	CDHR3	cadherin related family member 3
A_24_P170253	2.05x10 ⁻²	-1.55	UNC93B1	unc-93 homolog B1 (C. elegans)
A_23_P76267	2.11x10 ⁻²	-1.55	TMEM119	transmembrane protein 119
A_32_P180825	2.29x10 ⁻²	-1.55	FMN1	formin 1

A_24_P208909	2.75x10 ⁻²	-1.55	TRIM2	tripartite motif containing 2
A_24_P402690	3.20x10 ⁻²	-1.55	ITM2C	integral membrane protein 2C
A_23_P429020	3.35x10 ⁻²	-1.55	HKR1	HKR1 GLI-Kruppel zinc finger family member
A_24_P254949	3.55x10 ⁻²	-1.55	PGM5	phosphoglucomutase 5
A_23_P31873	4.18x10 ⁻²	-1.55	RAB11FIP1	RAB11 family interacting protein 1
A_23_P97853	4.27x10 ⁻²	-1.55	TMEM254	transmembrane protein 254
A_23_P33868	4.38x10 ⁻²	-1.55	LPAR4	lysophosphatidic acid receptor 4
A_23_P217938	4.38x10 ⁻⁵	-1.56	SPHAR	S-phase response (cyclin related)
A_24_P208809	1.20x10 ⁻³	-1.56	RAB5A	RAB5A member RAS oncogene family
A_32_P119174	7.78x10 ⁻³	-1.56	CENPP	centromere protein P
A_24_P303145	1.00x10 ⁻²	-1.56	ANKH	ANKH inorganic pyrophosphate transport regulator
A_23_P369047	1.11x10 ⁻²	-1.56	PKI55	DKFZp434H1419
A_23_P100001	1.75x10 ⁻²	-1.56	FAM174B	family with sequence similarity 174 member B
A_23_P168266	2.21x10 ⁻²	-1.56	TAAR9	trace amine associated receptor 9 (gene
A_23_P20392	2.83x10 ⁻²	-1.56	PSD3	pleckstrin and Sec7 domain containing 3
A_23_P52986	3.32x10 ⁻²	-1.56	VWCE	von Willebrand factor C and EGF domains
A_23_P2283	3.77x10 ⁻²	-1.56	TAC3	tachykinin 3
A_23_P29816	4.20x10 ⁻²	-1.56	PLA1A	phospholipase A1 member A
A_23_P88351	4.44x10 ⁻²	-1.56	ATL1	atlastin GTPase 1
A_23_P300220	2.29x10 ⁻³	-1.57	YPEL4	yippee like 4
A_23_P217114	1.13x10 ⁻²	-1.57	ALAD	aminolevulinatase
A_23_P113748	1.78x10 ⁻²	-1.57	ZNF385D	zinc finger protein 385D
A_23_P340171	1.86x10 ⁻²	-1.57	TP53AIP1	tumor protein p53 regulated apoptosis inducing protein 1
A_24_P666482	2.53x10 ⁻²	-1.57	LRRRC37A2	leucine rich repeat containing 37 member A2
A_23_P146572	2.67x10 ⁻²	-1.57	NPDC1	neural proliferation differentiation and control 1
A_24_P478556	3.68x10 ⁻²	-1.57	BOLA3-AS1	BOLA3 antisense RNA 1 (head to head)
A_32_P117636	4.12x10 ⁻²	-1.57	LOC105371352	uncharacterized LOC105371352
A_23_P413888	4.54x10 ⁻²	-1.57	SLC35F1	solute carrier family 35 member F1
A_24_P381499	1.15x10 ⁻²	-1.58	GLIPR1L2	GLI pathogenesis-related 1 like 2
A_23_P64058	1.95x10 ⁻²	-1.58	RASGRP2	RAS guanyl releasing protein 2
A_23_P70318	2.58x10 ⁻²	-1.58	ENPP4	ectonucleotide pyrophosphatase
A_23_P377616	2.95x10 ⁻²	-1.58	CIRBP	cold inducible RNA binding protein

A_23_P101240	3.36x10 ⁻²	-1.58	VSIG10L	V-set and immunoglobulin domain containing 10 like
A_23_P401580	1.67x10 ⁻⁴	-1.59	RMND5B	required for meiotic nuclear division 5 homolog B
A_32_P164513	2.98x10 ⁻⁴	-1.59	KLHDC1	kelch domain containing 1
A_24_P817066	3.27x10 ⁻⁴	-1.59	MTERF4	mitochondrial transcription termination factor 4
A_23_P206107	6.89x10 ⁻⁴	-1.59	ULK3	unc-51 like kinase 3
A_24_P62237	1.23x10 ⁻³	-1.59	CERK	ceramide kinase
A_23_P385246	2.35x10 ⁻³	-1.59	KCTD6	potassium channel tetramerization domain containing 6
A_23_P154349	4.39x10 ⁻³	-1.59	HIBCH	3-hydroxyisobutyryl-CoA hydrolase
A_23_P205900	4.62x10 ⁻³	-1.59	NTRK3	neurotrophic receptor tyrosine kinase 3
A_24_P363583	5.11x10 ⁻³	-1.59	AGFG2	ArfGAP with FG repeats 2
A_23_P53390	7.12x10 ⁻³	-1.59	PTPRB	protein tyrosine phosphatase receptor type B
A_23_P322593	1.04x10 ⁻²	-1.59	TAPT1-AS1	TAPT1 antisense RNA 1 (head to head)
A_23_P64898	1.54x10 ⁻²	-1.59	KLRG1	killer cell lectin like receptor G1
A_23_P105571	1.72x10 ⁻²	-1.59	CHPT1	choline phosphotransferase 1
A_32_P52632	1.94x10 ⁻²	-1.59	PLCG2	phospholipase C γ 2
A_23_P7402	2.62x10 ⁻²	-1.59	PDZD2	PDZ domain containing 2
A_23_P6066	2.85x10 ⁻²	-1.59	CPXM1	carboxypeptidase X M14 family member 1
A_24_P49183	4.42x10 ⁻²	-1.59	EXD3	exonuclease 3'-5' domain containing 3
A_32_P60343	5.69x10 ⁻⁴	-1.60	GOLGA6L9	golgin A6 family-like 9
A_23_P398172	6.45x10 ⁻⁴	-1.60	FAM135A	family with sequence similarity 135 member A
A_23_P155477	1.73x10 ⁻³	-1.60	C3orf18	chromosome 3 open reading frame 18
A_24_P382187	3.15x10 ⁻³	-1.60	IGFBP4	insulin like growth factor binding protein 4
A_24_P227993	3.27x10 ⁻³	-1.60	UBE2I	ubiquitin conjugating enzyme E2 I
A_23_P99360	7.61x10 ⁻³	-1.60	TRIM13	tripartite motif containing 13
A_32_P120567	7.64x10 ⁻³	-1.60	MDFIC	MyoD family inhibitor domain containing
A_23_P120863	1.69x10 ⁻²	-1.60	GAL3ST1	galactose-3-O-sulfotransferase 1
A_23_P138000	1.88x10 ⁻²	-1.60	SEMA6C	semaphorin 6C
A_23_P426305	2.06x10 ⁻²	-1.60	AOC3	amine oxidase copper containing 3
A_24_P195669	2.89x10 ⁻²	-1.60	MYO15B	myosin XVB
A_23_P27035	3.80x10 ⁻²	-1.60	TMEM98	transmembrane protein 98
A_23_P363878	3.84x10 ⁻²	-1.60	RFTN2	raftlin family member 2
A_23_P68219	4.26x10 ⁻²	-1.60	TTN	titin

A_32_P58215	4.33x10 ⁻²	-1.60	CD84	CD84 molecule
A_23_P214459	4.80x10 ⁻²	-1.60	PRPH2	peripherin 2
A_24_P325118	4.97x10 ⁻²	-1.60	RGS11	regulator of G-protein signaling 11
A_23_P214969	7.38x10 ⁻³	-1.61	CITED2	Cbp
A_24_P163237	8.15x10 ⁻³	-1.61	STOX2	storkhead box 2
A_32_P8813	1.05x10 ⁻²	-1.61	LINC00926	long intergenic non-protein coding RNA 926
A_24_P316046	1.21x10 ⁻²	-1.61	PP7080	uncharacterized LOC25845
A_32_P69938	1.26x10 ⁻²	-1.61	GLIDR	glioblastoma downregulated RNA
A_32_P48244	2.11x10 ⁻²	-1.61	ZNF100	zinc finger protein 100
A_23_P306956	2.38x10 ⁻²	-1.61	ZNF566	zinc finger protein 566
A_24_P794447	2.91x10 ⁻²	-1.61	MIR100HG	mir-100-let-7a-2 cluster host gene
A_23_P62741	3.23x10 ⁻²	-1.61	ADGRL4	adhesion G protein-coupled receptor L4
A_23_P158675	4.02x10 ⁻²	-1.61	KCNMB2	potassium calcium-activated channel subfamily M regulatory β subunit 2
A_23_P11025	4.34x10 ⁻²	-1.61	ZNF185	zinc finger protein 185 (LIM domain)
A_23_P4536	6.79x10 ⁻⁴	-1.62	EPB41L3	erythrocyte membrane protein band 4.1 like 3
A_24_P114671	4.62x10 ⁻³	-1.62	CLCN3	chloride voltage-gated channel 3
A_23_P433016	8.72x10 ⁻³	-1.62	FBLN1	fibulin 1
A_23_P145619	1.34x10 ⁻²	-1.62	REPIN1	replication initiator 1
A_23_P155265	1.35x10 ⁻²	-1.62	ASB14	ankyrin repeat and SOCS box containing 14
A_23_P155848	1.98x10 ⁻²	-1.62	DKK2	dickkopf WNT signaling pathway inhibitor 2
A_23_P24433	2.00x10 ⁻²	-1.62	CTSF	cathepsin F
A_23_P153155	2.19x10 ⁻²	-1.62	GALR1	galanin receptor 1
A_24_P627984	2.20x10 ⁻²	-1.62	EPM2AIP1	EPM2A interacting protein 1
A_23_P150955	2.24x10 ⁻²	-1.62	BEST3	bestrophin 3
A_24_P276932	2.25x10 ⁻²	-1.62	ATP6V1C2	ATPase H ⁺ transporting V1 subunit C2
A_23_P158570	2.73x10 ⁻²	-1.62	ACADSB	acyl-CoA dehydrogenase short
A_23_P144746	2.79x10 ⁻²	-1.62	ZNF454	zinc finger protein 454
A_23_P151232	3.21x10 ⁻²	-1.62	TMEM132C	transmembrane protein 132C
A_23_P143143	3.33x10 ⁻²	-1.62	ID2	inhibitor of DNA binding 2 HLH protein
A_24_P185709	3.50x10 ⁻²	-1.62	EPB41L1	erythrocyte membrane protein band 4.1 like 1
A_23_P334414	4.10x10 ⁻²	-1.62	TRAF3IP3	TRAF3 interacting protein 3
A_23_P37359	4.34x10 ⁻²	-1.62	CIDEB	cell death-inducing DFFA-like effector b

A_23_P56654	5.53x10 ⁻⁶	-1.63	MCEE	methylmalonyl-CoA epimerase
A_24_P514517	6.22x10 ⁻⁴	-1.63	LINC00938	long intergenic non-protein coding RNA 938
A_23_P211167	1.19x10 ⁻³	-1.63	C21orf2	chromosome 21 open reading frame 2
A_24_P941831	1.45x10 ⁻³	-1.63	TMEM237	transmembrane protein 237
A_24_P902052	7.45x10 ⁻³	-1.63	DANCR	differentiation antagonizing non-protein coding RNA
A_23_P116614	7.93x10 ⁻³	-1.63	ME3	malic enzyme 3
A_23_P28530	9.87x10 ⁻³	-1.63	MFSD6	major facilitator superfamily domain containing 6
A_23_P111701	1.45x10 ⁻²	-1.63	GNG11	G protein subunit γ 11
A_23_P156880	1.77x10 ⁻²	-1.63	ENPP1	ectonucleotide pyrophosphatase
A_32_P230595	1.82x10 ⁻²	-1.63	ZNF546	zinc finger protein 546
A_23_P127054	2.23x10 ⁻²	-1.63	PANK1	pantothenate kinase 1
A_23_P301984	2.31x10 ⁻²	-1.63	C8orf48	chromosome 8 open reading frame 48
A_23_P126623	2.47x10 ⁻²	-1.63	PGD	phosphogluconate dehydrogenase
A_32_P58755	4.35x10 ⁻²	-1.63	RAB36	RAB36 member RAS oncogene family
A_24_P267293	3.65x10 ⁻⁴	-1.64	SARM1	sterile α and TIR motif containing 1
A_24_P932579	5.61x10 ⁻³	-1.64	MTF1	metal regulatory transcription factor 1
A_32_P172141	1.26x10 ⁻²	-1.64	CDON	cell adhesion associated oncogene regulated
A_23_P113161	1.80x10 ⁻²	-1.64	C1orf21	chromosome 1 open reading frame 21
A_24_P25278	2.13x10 ⁻²	-1.64	GET4	golgi to ER traffic protein 4
A_24_P116710	2.24x10 ⁻²	-1.64	RAMP2	receptor activity modifying protein 2
A_23_P78053	3.87x10 ⁻²	-1.64	FAM117A	family with sequence similarity 117 member A
A_23_P145631	4.96x10 ⁻²	-1.64	GIMAP6	GTPase IMAP family member 6
A_23_P52161	1.88x10 ⁻³	-1.65	NUAK2	NUAK family kinase 2
A_24_P700052	2.76x10 ⁻³	-1.65	SPAG5-AS1	SPAG5 antisense RNA 1
A_24_P941670	5.41x10 ⁻³	-1.65	AGO4	argonaute 4 RISC catalytic component
A_23_P258151	6.10x10 ⁻³	-1.65	FGD5	FYVE RhoGEF and PH domain containing 5
A_24_P64344	9.14x10 ⁻³	-1.65	BLNK	B-cell linker
A_32_P213861	1.00x10 ⁻²	-1.65	WDFY3-AS2	WDFY3 antisense RNA 2
A_32_P4985	1.63x10 ⁻²	-1.65	CAMTA1	calmodulin binding transcription activator 1
A_24_P944788	1.95x10 ⁻²	-1.65	HGF	hepatocyte growth factor
A_24_P280684	2.65x10 ⁻²	-1.65	FBXO40	F-box protein 40
A_32_P86150	4.68x10 ⁻²	-1.65	CTRB2	chymotrypsinogen B2

A_24_P110558	2.45x10 ⁻⁴	-1.66	IGIP	IgA inducing protein
A_23_P202334	5.47x10 ⁻⁴	-1.66	FGFR2	fibroblast growth factor receptor 2
A_23_P142878	4.42x10 ⁻³	-1.66	ATOH8	atonal bHLH transcription factor 8
A_24_P393151	4.56x10 ⁻³	-1.66	LILRA1	leukocyte immunoglobulin like receptor A1
A_24_P67534	6.73x10 ⁻³	-1.66	SMIM10	small integral membrane protein 10
A_32_P182812	9.47x10 ⁻³	-1.66	SLC6A4	solute carrier family 6 member 4
A_23_P76529	1.11x10 ⁻²	-1.66	ITGB7	integrin subunit β 7
A_24_P140666	1.14x10 ⁻²	-1.66	N4BP3	NEDD4 binding protein 3
A_23_P19816	1.34x10 ⁻²	-1.66	RNF32	ring finger protein 32
A_24_P109069	2.28x10 ⁻²	-1.66	SYT15	synaptotagmin 15
A_32_P168342	3.38x10 ⁻²	-1.66	C6orf25	chromosome 6 open reading frame 25
A_23_P84154	3.63x10 ⁻²	-1.66	ARHGAP15	Rho GTPase activating protein 15
A_23_P371729	4.20x10 ⁻²	-1.66	GJA5	gap junction protein α 5
A_32_P48949	4.59x10 ⁻²	-1.66	C9orf129	chromosome 9 open reading frame 129
A_24_P386622	4.80x10 ⁻²	-1.66	ARRB1	arrestin β 1
A_32_P1144	4.83x10 ⁻²	-1.66	ZDHHC2	zinc finger DHHC-type containing 2
A_23_P151805	4.92x10 ⁻²	-1.66	FBLN5	fibulin 5
A_23_P35343	3.31x10 ⁻⁴	-1.67	ZNF248	zinc finger protein 248
A_23_P388433	3.93x10 ⁻⁴	-1.67	C4orf3	chromosome 4 open reading frame 3
A_23_P336796	8.87x10 ⁻⁴	-1.67	GXYLT1	glucoside xylosyltransferase 1
A_23_P405175	1.72x10 ⁻³	-1.67	CNST	consortin connexin sorting protein
A_24_P354488	4.36x10 ⁻³	-1.67	NAAA	N-acylethanolamine acid amidase
A_24_P931503	6.07x10 ⁻³	-1.67	PHIP	pleckstrin homology domain interacting protein
A_24_P39378	1.27x10 ⁻²	-1.67	CCPG1	cell cycle progression 1
A_23_P200685	1.84x10 ⁻²	-1.67	MARC2	mitochondrial amidoxime reducing component 2
A_32_P151263	2.16x10 ⁻²	-1.67	SLC2A4	solute carrier family 2 member 4
A_32_P155035	2.25x10 ⁻²	-1.67	LOC100506411	uncharacterized LOC100506411
A_23_P46447	2.44x10 ⁻²	-1.67	LOC730102	quinone oxidoreductase-like protein 2 pseudogene
A_24_P942441	2.51x10 ⁻²	-1.67	NRXN1	neurexin 1
A_23_P59375	2.67x10 ⁻²	-1.67	ID4	inhibitor of DNA binding 4 HLH protein
A_23_P9402	3.36x10 ⁻²	-1.67	CNTFR	ciliary neurotrophic factor receptor

A_24_P278552	3.63x10 ⁻²	-1.67	MPZL2	myelin protein zero like 2
A_23_P32577	4.23x10 ⁻²	-1.67	DACH1	dachshund family transcription factor 1
A_24_P180423	1.03x10 ⁻²	-1.68	PCBD2	pterin-4 α -carbinolamine dehydratase 2
A_23_P84705	1.97x10 ⁻²	-1.68	TNFRSF13B	TNF receptor superfamily member 13B
A_24_P219114	2.84x10 ⁻²	-1.68	SEL1L	SEL1L ERAD E3 ligase adaptor subunit
A_24_P100387	2.87x10 ⁻²	-1.68	GK	glycerol kinase
A_23_P420281	3.36x10 ⁻²	-1.68	PRKCB	protein kinase C β
A_32_P48054	3.40x10 ⁻²	-1.68	CNR2	cannabinoid receptor 2
A_23_P129225	4.17x10 ⁻²	-1.68	TRPM1	transient receptor potential cation channel subfamily M member 1
A_23_P432598	4.57x10 ⁻²	-1.68	CHMP4C	charged multivesicular body protein 4C
A_23_P206585	4.66x10 ⁻²	-1.68	PRKCB	protein kinase C β
A_23_P82162	6.41x10 ⁻⁵	-1.69	SMPD2	sphingomyelin phosphodiesterase 2
A_23_P19482	8.46x10 ⁻⁴	-1.69	DDAH2	dimethylarginine dimethylaminohydrolase 2
A_24_P350437	2.88x10 ⁻³	-1.69	THAP2	THAP domain containing 2
A_32_P43349	3.01x10 ⁻³	-1.69	LINC01197	long intergenic non-protein coding RNA 1197
A_23_P256107	3.18x10 ⁻³	-1.69	HPSE	heparanase
A_24_P193911	6.71x10 ⁻³	-1.69	MAPRE2	microtubule associated protein RP
A_23_P161399	9.88x10 ⁻³	-1.69	MXI1	MAX interactor 1 dimerization protein
A_23_P413952	1.18x10 ⁻²	-1.69	LOC100509780	uncharacterized LOC100509780
A_23_P411941	1.19x10 ⁻²	-1.69	TEDDM1	transmembrane epididymal protein 1
A_23_P106016	1.47x10 ⁻²	-1.69	PRKD1	protein kinase D1
A_23_P433676	1.98x10 ⁻²	-1.69	ZNF529	zinc finger protein 529
A_24_P350576	2.12x10 ⁻²	-1.69	TNIK	TRAF2 and NCK interacting kinase
A_23_P63371	2.28x10 ⁻²	-1.69	TAL1	TAL bHLH transcription factor 1 erythroid differentiation factor
A_24_P59632	2.57x10 ⁻²	-1.69	LOC728613	programmed cell death 6 pseudogene
A_32_P88415	3.74x10 ⁻²	-1.69	MYOZ3	myozenin 3
A_23_P203743	3.52x10 ⁻⁴	-1.70	GAB2	GRB2 associated binding protein 2
A_23_P424582	5.42x10 ⁻⁴	-1.70	EGFL8	EGF like domain multiple 8
A_23_P400373	1.03x10 ⁻³	-1.70	KANSL1L	KAT8 regulatory NSL complex subunit 1 like
A_23_P327022	2.39x10 ⁻³	-1.70	MDFIC	MyoD family inhibitor domain containing
A_23_P79251	3.15x10 ⁻³	-1.70	EHD3	EH domain containing 3

A_24_P355649	3.45x10 ⁻³	-1.70	FLI1	Fli-1 proto-oncogene ETS transcription factor
A_32_P100439	4.75x10 ⁻³	-1.70	MTURN	maturin neural progenitor differentiation regulator homolog (Xenopus)
A_24_P224926	4.83x10 ⁻³	-1.70	MFNG	MFNG O-fucosylpeptide 3-β-N-acetylglucosaminyltransferase
A_24_P97825	5.69x10 ⁻³	-1.70	CCDC69	coiled-coil domain containing 69
A_24_P363408	1.03x10 ⁻²	-1.70	HEY2	hes related family bHLH transcription factor with YRPW motif 2
A_23_P90220	1.22x10 ⁻²	-1.70	ZNF585A	zinc finger protein 585A
A_23_P62647	2.25x10 ⁻²	-1.70	SLAMF1	signaling lymphocytic activation molecule family member 1
A_32_P220762	2.52x10 ⁻²	-1.70	OSBPL6	oxysterol binding protein like 6
A_32_P116481	2.76x10 ⁻²	-1.70	LRRC37A4P	leucine rich repeat containing 37 member A4 pseudogene
A_32_P83203	3.16x10 ⁻²	-1.70	PARD3B	par-3 family cell polarity regulator β
A_23_P7932	3.29x10 ⁻²	-1.70	TREML2	triggering receptor expressed on myeloid cells like 2
A_23_P25964	3.64x10 ⁻²	-1.70	GALC	galactosylceramidase
A_32_P914221	3.65x10 ⁻²	-1.70	USH1G	USH1 protein network component sans
A_24_P28977	4.20x10 ⁻²	-1.70	TRPC1	transient receptor potential cation channel subfamily C member 1
A_23_P320739	1.11x10 ⁻³	-1.71	MEF2C	myocyte enhancer factor 2C
A_32_P86962	2.77x10 ⁻³	-1.71	GLIDR	glioblastoma downregulated RNA
A_24_P59643	6.46x10 ⁻³	-1.71	KIAA1456	KIAA1456
A_23_P75915	7.36x10 ⁻³	-1.71	RIC3	RIC3 acetylcholine receptor chaperone
A_23_P125541	7.46x10 ⁻³	-1.71	PPP1R3F	protein phosphatase 1 regulatory subunit 3F
A_23_P100660	9.79x10 ⁻³	-1.71	SERPINF1	serpin family F member 1
A_23_P156907	1.14x10 ⁻²	-1.71	SOBP	sine oculis binding protein homolog
A_23_P147665	2.16x10 ⁻²	-1.71	OLFML1	olfactomedin like 1
A_23_P170901	2.96x10 ⁻²	-1.71	PACRG	PARK2 coregulated
A_23_P127915	3.71x10 ⁻²	-1.71	STK33	serine
A_24_P71700	9.95x10 ⁻⁴	-1.72	ZBTB47	zinc finger and BTB domain containing 47
A_23_P333498	2.73x10 ⁻³	-1.72	EEPD1	endonuclease
A_24_P123190	4.42x10 ⁻³	-1.72	PLD1	phospholipase D1
A_24_P339416	7.18x10 ⁻³	-1.72	ARSG	arylsulfatase G
A_23_P435477	1.78x10 ⁻²	-1.72	TMPRSS13	transmembrane protease serine 13
A_23_P86315	3.65x10 ⁻²	-1.72	HFE2	hemochromatosis type 2 (juvenile)
A_23_P107881	3.79x10 ⁻²	-1.72	ZNF563	zinc finger protein 563
A_23_P207445	7.62x10 ⁻⁴	-1.73	MAP2K6	mitogen-activated protein kinase kinase 6

A_32_P195401	1.03x10 ⁻³	-1.73	FAM117B	family with sequence similarity 117 member B
A_24_P943263	8.87x10 ⁻³	-1.73	RASA4	RAS p21 protein activator 4
A_23_P83184	1.06x10 ⁻²	-1.73	LCN6	lipocalin 6
A_24_P930796	1.44x10 ⁻²	-1.73	VSTM4	V-set and transmembrane domain containing 4
A_23_P170574	1.90x10 ⁻²	-1.73	SNAI3	snail family transcriptional repressor 3
A_23_P426944	2.69x10 ⁻²	-1.73	PAX9	paired box 9
A_23_P30614	3.15x10 ⁻²	-1.73	PLN	phospholamban
A_23_P410233	3.36x10 ⁻²	-1.73	FILIP1	filamin A interacting protein 1
A_23_P126605	3.40x10 ⁻²	-1.73	TMOD4	tropomodulin 4
A_24_P325992	3.69x10 ⁻²	-1.73	LIFR	leukemia inhibitory factor receptor α
A_24_P205025	4.78x10 ⁻²	-1.73	LAYN	layilin
A_23_P258944	9.80x10 ⁻⁴	-1.74	DNAJB9	DnaJ heat shock protein family (Hsp40) member B9
A_23_P23829	7.83x10 ⁻³	-1.74	CD34	CD34 molecule
A_24_P237559	7.88x10 ⁻³	-1.74	LNPEP	leucyl and cystinyl aminopeptidase
A_23_P67432	1.42x10 ⁻²	-1.74	ZNF583	zinc finger protein 583
A_24_P404487	2.29x10 ⁻²	-1.74	ZNF506	zinc finger protein 506
A_23_P371794	2.93x10 ⁻²	-1.74	CACNB3	calcium voltage-gated channel auxiliary subunit β 3
A_23_P218918	3.06x10 ⁻²	-1.74	FGF2	fibroblast growth factor 2
A_23_P22398	3.99x10 ⁻²	-1.74	MACROD2	MACRO domain containing 2
A_23_P321511	4.06x10 ⁻²	-1.74	MARCH3	membrane associated ring-CH-type finger 3
A_23_P206103	2.80x10 ⁻⁴	-1.75	ULK3	unc-51 like kinase 3
A_23_P318284	4.89x10 ⁻³	-1.75	GPD1L	glycerol-3-phosphate dehydrogenase 1-like
A_23_P54517	6.98x10 ⁻³	-1.75	TYRO3	TYRO3 protein tyrosine kinase
A_24_P149445	7.69x10 ⁻³	-1.75	WEE2-AS1	WEE2 antisense RNA 1
A_23_P24457	9.58x10 ⁻³	-1.75	LRRC4C	leucine rich repeat containing 4C
A_23_P79272	1.37x10 ⁻²	-1.75	PDE1A	phosphodiesterase 1A
A_32_P196021	1.40x10 ⁻²	-1.75	FGF7	fibroblast growth factor 7
A_24_P284959	1.69x10 ⁻²	-1.75	PCDH18	protocadherin 18
A_23_P27040	1.94x10 ⁻²	-1.75	TMEM98	transmembrane protein 98
A_24_P255415	2.75x10 ⁻²	-1.75	HSPC102	uncharacterized HSPC102
A_23_P32199	4.44x10 ⁻²	-1.75	CRAT	carnitine O-acetyltransferase
A_24_P165595	6.03x10 ⁻⁵	-1.76	ARL5A	ADP ribosylation factor like GTPase 5A

A_23_P140029	6.42x10 ⁻⁵	-1.76	UBL3	ubiquitin like 3
A_23_P131089	6.87x10 ⁻⁴	-1.76	KANK3	KN motif and ankyrin repeat domains 3
A_32_P231086	1.18x10 ⁻³	-1.76	GOLGA6L9	golgin A6 family-like 9
A_23_P214281	1.21x10 ⁻³	-1.76	PAQR8	progesterin and adipoQ receptor family member 8
A_24_P100228	2.93x10 ⁻³	-1.76	XBP1	X-box binding protein 1
A_23_P122508	5.24x10 ⁻³	-1.76	DPCR1	diffuse panbronchiolitis critical region 1
A_23_P202520	6.14x10 ⁻³	-1.76	ABLIM1	actin binding LIM protein 1
A_23_P80594	6.46x10 ⁻³	-1.76	PLCL2	phospholipase C like 2
A_24_P197537	6.46x10 ⁻³	-1.76	PDE8B	phosphodiesterase 8B
A_23_P149171	6.81x10 ⁻³	-1.76	FAM63A	family with sequence similarity 63 member A
A_23_P501547	7.71x10 ⁻³	-1.76	ADCY6	adenylate cyclase 6
A_23_P218549	9.47x10 ⁻³	-1.76	ADGRE3	adhesion G protein-coupled receptor E3
A_32_P108254	2.51x10 ⁻²	-1.76	FAM20A	family with sequence similarity 20 member A
A_32_P406028	3.07x10 ⁻²	-1.76	FLJ37035	uncharacterized LOC399821
A_32_P539599	3.35x10 ⁻²	-1.76	WEE2-AS1	WEE2 antisense RNA 1
A_32_P229493	3.41x10 ⁻²	-1.76	ZNF704	zinc finger protein 704
A_24_P326511	4.88x10 ⁻²	-1.76	SORBS1	sorbin and SH3 domain containing 1
A_23_P372771	4.67x10 ⁻⁴	-1.77	FAM219B	family with sequence similarity 219 member B
A_23_P322845	1.69x10 ⁻³	-1.77	PLPP5	phospholipid phosphatase 5
A_23_P380181	1.86x10 ⁻³	-1.77	LMO4	LIM domain only 4
A_32_P188860	3.80x10 ⁻³	-1.77	IL17RD	interleukin 17 receptor D
A_23_P14124	7.40x10 ⁻³	-1.77	RASL11A	RAS like family 11 member A
A_32_P129894	7.65x10 ⁻³	-1.77	MEGF9	multiple EGF like domains 9
A_23_P74619	8.96x10 ⁻³	-1.77	SELENBP1	selenium binding protein 1
A_23_P20285	1.25x10 ⁻²	-1.77	PDLIM2	PDZ and LIM domain 2
A_24_P318002	1.51x10 ⁻²	-1.77	ZNF215	zinc finger protein 215
A_24_P270728	1.71x10 ⁻²	-1.77	NUPR1	nuclear protein 1 transcriptional regulator
A_32_P30905	2.37x10 ⁻²	-1.77	WDFY4	WDFY family member 4
A_24_P570583	4.83x10 ⁻³	-1.78	ZNF542P	zinc finger protein 542 pseudogene
A_23_P97517	5.31x10 ⁻³	-1.78	RALGPS2	Ral GEF with PH domain and SH3 binding motif 2
A_24_P397294	5.83x10 ⁻³	-1.78	LTC4S	leukotriene C4 synthase
A_23_P70813	8.66x10 ⁻³	-1.78	LINC01558	long intergenic non-protein coding RNA 1558

A_24_P389415	1.06x10 ⁻²	-1.78	PNMA2	paraneoplastic Ma antigen 2
A_23_P422144	1.16x10 ⁻²	-1.78	FAM43A	family with sequence similarity 43 member A
A_23_P119196	1.32x10 ⁻²	-1.78	KLF2	Kruppel like factor 2
A_24_P408603	2.52x10 ⁻²	-1.78	RAB39B	RAB39Bmember RAS oncogene family
A_23_P257815	2.53x10 ⁻²	-1.78	CD180	CD180 molecule
A_23_P208991	2.74x10 ⁻²	-1.78	PALM	paralemmin
A_23_P92903	3.47x10 ⁻²	-1.78	C1QTNF2	C1q and tumor necrosis factor related protein 2
A_23_P32175	3.51x10 ⁻²	-1.78	LHX6	LIM homeobox 6
A_23_P34744	4.10x10 ⁻²	-1.78	CTSK	cathepsin K
A_32_P194032	6.21x10 ⁻⁴	-1.79	LONRF1	LON peptidase N-terminal domain and ring finger 1
A_23_P144807	7.11x10 ⁻⁴	-1.79	SEPT8	septin 8
A_23_P127557	1.67x10 ⁻³	-1.79	KBTBD3	kelch repeat and BTB domain containing 3
A_23_P82047	3.15x10 ⁻³	-1.79	STXBP5	syntaxin binding protein 5
A_24_P414719	3.21x10 ⁻³	-1.79	NFYA	nuclear transcription factor Y subunit α
A_24_P11436	3.55x10 ⁻³	-1.79	TTC22	tetratricopeptide repeat domain 22
A_23_P40866	4.58x10 ⁻³	-1.79	ZBTB20	zinc finger and BTB domain containing 20
A_23_P210445	6.43x10 ⁻³	-1.79	L3MBTL1	l(3)mbt-like 1 (Drosophila)
A_23_P200203	6.98x10 ⁻³	-1.79	ECHDC2	enoyl-CoA hydratase domain containing 2
A_23_P74042	1.11x10 ⁻²	-1.79	ADGRL2	adhesion G protein-coupled receptor L2
A_23_P73135	1.52x10 ⁻²	-1.79	USHBP1	USH1 protein network component harmonin binding protein 1
A_23_P67737	1.60x10 ⁻²	-1.79	ZNF568	zinc finger protein 568
A_23_P61057	1.82x10 ⁻²	-1.79	IL16	interleukin 16
A_23_P143526	3.16x10 ⁻²	-1.79	S100B	S100 calcium binding protein B
A_23_P309207	3.65x10 ⁻²	-1.79	ZNF577	zinc finger protein 577
A_32_P203749	4.05x10 ⁻²	-1.79	ABCG1	ATP binding cassette subfamily G member 1
A_23_P66767	4.16x10 ⁻²	-1.79	GGT6	γ -glutamyltransferase 6
A_23_P34144	1.06x10 ⁻³	-1.80	MAGEH1	MAGE family member H1
A_23_P204879	1.24x10 ⁻³	-1.80	CAB39L	calcium binding protein 39 like
A_23_P340148	9.34x10 ⁻³	-1.80	ZNF711	zinc finger protein 711
A_23_P87379	1.28x10 ⁻²	-1.80	PDE2A	phosphodiesterase 2A
A_32_P53234	1.65x10 ⁻²	-1.80	LINC01480	long intergenic non-protein coding RNA 1480
A_32_P196029	2.09x10 ⁻²	-1.80	FGF7	fibroblast growth factor 7

A_32_P12232	3.04x10 ⁻²	-1.80	BNC2	basonuclin 2
A_23_P398189	3.45x10 ⁻²	-1.80	IGSF11	immunoglobulin superfamily member 11
A_24_P314786	4.82x10 ⁻²	-1.80	SLC4A10	solute carrier family 4 member 10
A_23_P123086	1.04x10 ⁻³	-1.81	PSMG3-AS1	PSMG3 antisense RNA 1 (head to head)
A_23_P41128	3.15x10 ⁻³	-1.81	KAT2B	lysine acetyltransferase 2B
A_23_P26154	5.00x10 ⁻³	-1.81	PLIN1	perilipin 1
A_23_P160546	8.83x10 ⁻³	-1.81	FAM63A	family with sequence similarity 63 member A
A_32_P112331	1.56x10 ⁻²	-1.81	PLD1	phospholipase D1
A_23_P403424	2.34x10 ⁻²	-1.81	JMJD7-PLA2G4B	JMJD7-PLA2G4B readthrough
A_23_P106042	2.76x10 ⁻²	-1.81	CMTM5	CKLF like MARVEL transmembrane domain containing 5
A_23_P29939	4.97x10 ⁻²	-1.81	SNCA	synuclein α
A_24_P350686	4.24x10 ⁻⁵	-1.82	TIFA	TRAF interacting protein with forkhead associated domain
A_23_P150057	3.25x10 ⁻⁴	-1.82	MMRN2	multimerin 2
A_24_P261169	5.26x10 ⁻³	-1.82	SEMA4D	semaphorin 4D
A_24_P386746	1.15x10 ⁻²	-1.82	RBP5	retinol binding protein 5
A_23_P327483	1.19x10 ⁻²	-1.82	SPATA6	spermatogenesis associated 6
A_24_P935330	1.46x10 ⁻²	-1.82	PRKCB	protein kinase C β
A_23_P8640	2.06x10 ⁻²	-1.82	GPER1	G protein-coupled estrogen receptor 1
A_24_P661612	2.34x10 ⁻²	-1.82	PTPRB	protein tyrosine phosphatase receptor type B
A_23_P52425	3.82x10 ⁻²	-1.82	NKX2-3	NK2 homeobox 3
A_32_P104460	4.05x10 ⁻²	-1.82	ARMCX6	armadillo repeat containing X-linked 6
A_24_P281636	4.45x10 ⁻²	-1.82	TRIM64EP	tripartite motif containing 64E pseudogene
A_23_P326319	1.14x10 ⁻³	-1.83	C16orf45	chromosome 16 open reading frame 45
A_23_P393163	7.45x10 ⁻³	-1.83	XIRP2	xin actin binding repeat containing 2
A_24_P803885	1.43x10 ⁻²	-1.83	LINC01341	long intergenic non-protein coding RNA 1341
A_32_P392830	1.84x10 ⁻²	-1.83	PLEKHA7	pleckstrin homology domain containing A7
A_24_P247039	2.37x10 ⁻²	-1.83	LOC647115	translation initiation factor IF-2
A_32_P154053	4.24x10 ⁻²	-1.83	ATG9B	autophagy related 9B
A_23_P71530	4.33x10 ⁻²	-1.83	TNFRSF11B	TNF receptor superfamily member 11b
A_23_P154585	1.56x10 ⁻³	-1.84	SNX21	sorting nexin family member 21
A_32_P45485	4.13x10 ⁻³	-1.84	LOC101927402	uncharacterized LOC101927402
A_32_P88719	4.20x10 ⁻³	-1.84	RAB40AL	RAB40A member RAS oncogene family-like

A_23_P404481	5.61x10 ⁻³	-1.84	S1PR1	sphingosine-1-phosphate receptor 1
A_23_P388867	6.16x10 ⁻³	-1.84	ZNF141	zinc finger protein 141
A_24_P153803	8.15x10 ⁻³	-1.84	RHOJ	ras homolog family member J
A_32_P128174	8.72x10 ⁻³	-1.84	C3orf70	chromosome 3 open reading frame 70
A_23_P39067	1.51x10 ⁻²	-1.84	SPIB	Spi-B transcription factor
A_23_P111860	1.94x10 ⁻²	-1.84	RADIL	Rap associating with DIL domain
A_23_P383325	2.51x10 ⁻²	-1.84	CCDC110	coiled-coil domain containing 110
A_23_P365201	3.25x10 ⁻²	-1.84	OTOP3	otopetrin 3
A_23_P384663	1.97x10 ⁻³	-1.85	MPP7	membrane palmitoylated protein 7
A_32_P208120	2.13x10 ⁻³	-1.85	CAMK1D	calcium
A_32_P130915	4.54x10 ⁻³	-1.85	FAM149A	family with sequence similarity 149 member A
A_32_P11372	5.54x10 ⁻³	-1.85	FGF7P6	fibroblast growth factor 7 pseudogene 6
A_23_P406025	1.09x10 ⁻²	-1.85	PRUNE2	prune homolog 2
A_23_P65388	1.31x10 ⁻²	-1.85	CLEC14A	C-type lectin domain family 14 member A
A_23_P154037	1.33x10 ⁻²	-1.85	AOX1	aldehyde oxidase 1
A_23_P98455	1.70x10 ⁻²	-1.85	VWA5A	von Willebrand factor A domain containing 5A
A_23_P90223	1.72x10 ⁻²	-1.85	ZNF585B	zinc finger protein 585B
A_32_P57292	2.00x10 ⁻²	-1.85	LANCL3	LanC like 3
A_23_P154150	2.48x10 ⁻²	-1.85	GPR1	G protein-coupled receptor 1
A_24_P217489	3.20x10 ⁻²	-1.85	GLRB	glycine receptor β
A_32_P19262	3.63x10 ⁻²	-1.85	MAPK13	mitogen-activated protein kinase 13
A_24_P253676	4.78x10 ⁻²	-1.85	CDH11	cadherin 11
A_24_P419300	1.47x10 ⁻⁴	-1.86	PP7080	uncharacterized LOC25845
A_23_P208009	1.94x10 ⁻⁴	-1.86	SEC11C	SEC11 homolog C signal peptidase complex subunit
A_24_P858698	1.96x10 ⁻⁴	-1.86	NFIX	nuclear factor I X
A_23_P355536	4.62x10 ⁻⁴	-1.86	USP54	ubiquitin specific peptidase 54
A_24_P148750	5.30x10 ⁻⁴	-1.86	SH3BP5	SH3 domain binding protein 5
A_23_P152559	1.96x10 ⁻³	-1.86	TSPOAP1	TSPO associated protein 1
A_24_P870799	3.45x10 ⁻³	-1.86	GRIK3	glutamate ionotropic receptor kainate type subunit 3
A_23_P161727	4.26x10 ⁻³	-1.86	HSPB2	heat shock protein family B (small) member 2
A_24_P39919	5.34x10 ⁻³	-1.86	ZSCAN18	zinc finger and SCAN domain containing 18
A_23_P303671	7.62x10 ⁻³	-1.86	ECM2	extracellular matrix protein 2

A_23_P107247	9.52x10 ⁻³	-1.86	CACNA1G	calcium voltage-gated channel subunit α 1 G
A_24_P211106	1.28x10 ⁻²	-1.86	TNFRSF11A	TNF receptor superfamily member 11a
A_24_P201381	1.35x10 ⁻²	-1.86	FGFBP3	fibroblast growth factor binding protein 3
A_32_P69368	1.42x10 ⁻²	-1.86	ID2	inhibitor of DNA binding 2 HLH protein
A_24_P926960	1.49x10 ⁻²	-1.86	MEGF6	multiple EGF like domains 6
A_32_P341723	3.94x10 ⁻²	-1.86	GSTO2	glutathione S-transferase omega 2
A_32_P6646	9.95x10 ⁻⁴	-1.87	ZNF366	zinc finger protein 366
A_23_P432573	2.77x10 ⁻³	-1.87	MRGPRF	MAS related GPR family member F
A_23_P106933	3.87x10 ⁻³	-1.87	ACSM1	acyl-CoA synthetase medium-chain family member 1
A_32_P176819	4.17x10 ⁻³	-1.87	CMAHP	cytidine monophospho-N-acetylneuraminic acid hydroxylase pseudogene
A_24_P586264	4.88x10 ⁻³	-1.87	PPM1K	protein phosphatase Mg ²⁺
A_32_P160561	7.05x10 ⁻³	-1.87	DOK6	docking protein 6
A_23_P337464	8.75x10 ⁻³	-1.87	LYRM7	LYR motif containing 7
A_24_P378581	9.42x10 ⁻³	-1.87	ABCA6	ATP binding cassette subfamily A member 6
A_24_P73599	1.03x10 ⁻²	-1.87	IL16	interleukin 16
A_23_P111737	1.09x10 ⁻²	-1.87	RAMP3	receptor (G protein-coupled) activity modifying protein 3
A_23_P327462	1.31x10 ⁻²	-1.87	RFX6	regulatory factor X6
A_24_P510081	1.47x10 ⁻²	-1.87	LINC00933	long intergenic non-protein coding RNA 933
A_32_P177955	2.05x10 ⁻²	-1.87	STX17-AS1	STX17 antisense RNA 1
A_23_P145529	2.48x10 ⁻²	-1.87	PKIB	protein kinase (cAMP-dependent catalytic) inhibitor β
A_24_P230521	2.61x10 ⁻²	-1.87	GPSM3	G-protein signaling modulator 3
A_23_P422933	2.69x10 ⁻²	-1.87	ARHGAP20	Rho GTPase activating protein 20
A_24_P778844	2.79x10 ⁻²	-1.87	C15orf59	chromosome 15 open reading frame 59
A_23_P2397	4.06x10 ⁻²	-1.87	RASSF3	Ras association domain family member 3
A_23_P51376	4.09x10 ⁻²	-1.87	NKAIN1	Na ⁺
A_23_P120845	1.24x10 ⁻⁴	-1.88	XBP1	X-box binding protein 1
A_24_P1117177	1.47x10 ⁻⁴	-1.88	SNX21	sorting nexin family member 21
A_24_P310256	6.30x10 ⁻⁴	-1.88	LGI4	leucine rich repeat LGI family member 4
A_23_P134139	7.14x10 ⁻³	-1.88	FABP7	fatty acid binding protein 7
A_23_P25121	8.11x10 ⁻³	-1.88	FKBP11	FK506 binding protein 11
A_24_P344516	8.71x10 ⁻³	-1.88	ZNF702P	zinc finger protein 702 pseudogene
A_24_P942163	1.34x10 ⁻²	-1.88	FAM63A	family with sequence similarity 63 member A

A_24_P391230	2.34x10 ⁻²	-1.88	CYYR1	cysteine and tyrosine rich 1
A_32_P78059	2.88x10 ⁻²	-1.88	MYO1H	myosin IH
A_32_P105083	3.50x10 ⁻²	-1.88	FTCDNL1	formiminotransferase cyclodeaminase N-terminal like
A_32_P133916	3.95x10 ⁻²	-1.88	BNC2	basonuclin 2
A_23_P45560	4.72x10 ⁻²	-1.88	GPR143	G protein-coupled receptor 143
A_23_P82402	2.23x10 ⁻⁴	-1.89	GLCCI1	glucocorticoid induced 1
A_23_P128246	3.26x10 ⁻⁴	-1.89	FICD	FIC domain containing
A_23_P217228	3.59x10 ⁻³	-1.89	TRO	trophinin
A_23_P209288	5.92x10 ⁻³	-1.89	CUL3	cullin 3
A_23_P67661	6.45x10 ⁻³	-1.89	COX7A1	cytochrome c oxidase subunit 7A1
A_23_P125717	1.05x10 ⁻²	-1.89	NAPIL3	nucleosome assembly protein 1 like 3
A_23_P64510	1.20x10 ⁻²	-1.89	RIC3	RIC3 acetylcholine receptor chaperone
A_24_P143171	1.50x10 ⁻²	-1.89	TMEM47	transmembrane protein 47
A_23_P160559	2.28x10 ⁻²	-1.89	ECM1	extracellular matrix protein 1
A_23_P259442	3.68x10 ⁻²	-1.89	CPE	carboxypeptidase E
A_23_P132763	4.32x10 ⁻²	-1.89	VGLL3	vestigial like family member 3
A_24_P766204	2.47x10 ⁻⁵	-1.90	MAP3K1	mitogen-activated protein kinase kinase kinase 1
A_24_P391987	3.04x10 ⁻⁴	-1.90	C4orf3	chromosome 4 open reading frame 3
A_23_P250294	1.06x10 ⁻³	-1.90	ABHD5	abhydrolase domain containing 5
A_23_P164691	1.45x10 ⁻³	-1.90	ICAM3	intercellular adhesion molecule 3
A_23_P407203	2.01x10 ⁻³	-1.90	ZEB2	zinc finger E-box binding homeobox 2
A_32_P158715	2.34x10 ⁻³	-1.90	MTERF4	mitochondrial transcription termination factor 4
A_24_P341538	2.82x10 ⁻³	-1.90	USP51	ubiquitin specific peptidase 51
A_23_P404536	4.16x10 ⁻³	-1.90	ENPP3	ectonucleotide pyrophosphatase
A_24_P113131	4.20x10 ⁻³	-1.90	TSPOAP1	TSPO associated protein 1
A_32_P224522	1.23x10 ⁻²	-1.90	SLC25A23	solute carrier family 25 member 23
A_23_P28012	1.53x10 ⁻²	-1.90	ZNF682	zinc finger protein 682
A_23_P358394	1.66x10 ⁻²	-1.90	FAM65B	family with sequence similarity 65 member B
A_23_P396858	1.91x10 ⁻²	-1.90	FZD8	frizzled class receptor 8
A_23_P251364	2.44x10 ⁻²	-1.90	STOX2	storkhead box 2
A_23_P31073	3.62x10 ⁻²	-1.90	MYB	MYB proto-oncogene transcription factor
A_23_P58117	3.71x10 ⁻²	-1.90	SHROOM3	shroom family member 3

A_23_P163697	3.93x10 ⁻²	-1.90	SYT17	synaptotagmin 17
A_32_P178499	7.83x10 ⁻⁴	-1.91	C16orf86	chromosome 16 open reading frame 86
A_24_P150580	3.15x10 ⁻³	-1.91	RASL12	RAS like family 12
A_23_P392486	4.16x10 ⁻³	-1.91	PKHD1L1	polycystic kidney and hepatic disease 1 (autosomal recessive)-like 1
A_23_P254688	5.13x10 ⁻³	-1.91	TMEM108	transmembrane protein 108
A_32_P204795	5.83x10 ⁻³	-1.91	ZNF667-AS1	ZNF667 antisense RNA 1 (head to head)
A_23_P215419	6.48x10 ⁻³	-1.91	ICA1	islet cell autoantigen 1
A_23_P251499	8.14x10 ⁻³	-1.91	PCOLCE	procollagen C-endopeptidase enhancer
A_23_P155796	1.67x10 ⁻²	-1.91	GNRHR	gonadotropin releasing hormone receptor
A_23_P99496	3.12x10 ⁻²	-1.91	MCF2L	MCF.2 cell line derived transforming sequence like
A_32_P178945	7.40x10 ⁻⁴	-1.92	YOD1	YOD1 deubiquitinase
A_24_P375485	4.56x10 ⁻³	-1.92	TNFAIP8L3	TNF α induced protein 8 like 3
A_32_P202502	5.91x10 ⁻³	-1.92	MICU3	mitochondrial calcium uptake family member 3
A_23_P167818	6.90x10 ⁻³	-1.92	FAM184A	family with sequence similarity 184 member A
A_24_P131646	1.06x10 ⁻²	-1.92	MYL3	myosin light chain 3
A_23_P167237	1.28x10 ⁻²	-1.92	C1QTNF7	C1q and tumor necrosis factor related protein 7
A_23_P153372	1.75x10 ⁻²	-1.92	HSH2D	hematopoietic SH2 domain containing
A_23_P348063	2.16x10 ⁻²	-1.92	SYNGR1	synaptogyrin 1
A_23_P209146	2.18x10 ⁻²	-1.92	ZNF91	zinc finger protein 91
A_23_P76322	2.51x10 ⁻²	-1.92	PIK3C2G	phosphatidylinositol-4-phosphate 3-kinase catalytic subunit type 2 γ
A_23_P352932	3.15x10 ⁻²	-1.92	SORCS1	sortilin related VPS10 domain containing receptor 1
A_23_P19020	3.63x10 ⁻²	-1.92	SNCAIP	synuclein α interacting protein
A_23_P210330	4.41x10 ⁻²	-1.92	LGALS1	galectin like
A_32_P148058	1.23x10 ⁻³	-1.93	RUNX2	runt related transcription factor 2
A_32_P179083	2.03x10 ⁻³	-1.93	GLI3	glioblastoma downregulated RNA
A_23_P22422	2.06x10 ⁻³	-1.93	PNMA3	paraneoplastic Ma antigen 3
A_24_P274615	2.13x10 ⁻³	-1.93	ARRDC3	arrestin domain containing 3
A_23_P166087	2.22x10 ⁻³	-1.93	RASSF2	Ras association domain family member 2
A_32_P31945	2.94x10 ⁻³	-1.93	ACADSB	acyl-CoA dehydrogenase short
A_23_P417684	3.56x10 ⁻³	-1.93	ZNF471	zinc finger protein 471
A_24_P282261	1.08x10 ⁻²	-1.93	ZNF493	zinc finger protein 493

A_23_P130974	1.24x10 ⁻²	-1.93	KIAA1683	KIAA1683
A_24_P943017	1.43x10 ⁻²	-1.93	CERS3	ceramide synthase 3
A_24_P209710	2.51x10 ⁻²	-1.93	FAM189A2	family with sequence similarity 189 member A2
A_24_P380349	3.72x10 ⁻²	-1.93	HTR1E	5-hydroxytryptamine receptor 1E
A_24_P133905	3.83x10 ⁻²	-1.93	CCL23	C-C motif chemokine ligand 23
A_23_P125117	4.89x10 ⁻⁴	-1.94	KLHDC8B	kelch domain containing 8B
A_23_P134835	1.45x10 ⁻³	-1.94	CSGALNACT1	chondroitin sulfate N-acetylgalactosaminyltransferase 1
A_23_P110151	4.84x10 ⁻³	-1.94	ARHGAP24	Rho GTPase activating protein 24
A_23_P81441	9.61x10 ⁻³	-1.94	DCANP1	dendritic cell associated nuclear protein
A_24_P762613	1.07x10 ⁻²	-1.94	DNM3OS	DNM3 opposite strand
A_23_P365785	1.14x10 ⁻²	-1.94	GRHL1	grainyhead like transcription factor 1
A_32_P212471	1.18x10 ⁻²	-1.94	RIIAD1	regulatory subunit of type II PKA R-subunit (RIIa) domain containing 1
A_23_P34045	1.27x10 ⁻²	-1.94	EDA	ectodysplasin A
A_23_P157736	1.84x10 ⁻²	-1.94	PLPP7	phospholipid phosphatase 7 (inactive)
A_23_P53370	2.06x10 ⁻²	-1.94	RND1	Rho family GTPase 1
A_23_P62351	2.17x10 ⁻²	-1.94	ARMCX6	armadillo repeat containing X-linked 6
A_24_P416489	2.32x10 ⁻²	-1.94	MAP2K6	mitogen-activated protein kinase kinase 6
A_23_P35617	2.32x10 ⁻²	-1.94	PLCE1	phospholipase C ε1
A_24_P467073	2.80x10 ⁻²	-1.94	SMIM6	small integral membrane protein 6
A_23_P17724	2.97x10 ⁻²	-1.94	SEPT5	septin 5
A_23_P326913	3.17x10 ⁻²	-1.94	PRUNE2	prune homolog 2
A_24_P341089	1.97x10 ⁻³	-1.95	ANKRD36BP2	ankyrin repeat domain 36B pseudogene 2
A_23_P129695	2.11x10 ⁻³	-1.95	VASN	vasorin
A_24_P406525	3.60x10 ⁻³	-1.95	CSGALNACT1	chondroitin sulfate N-acetylgalactosaminyltransferase 1
A_23_P137139	4.26x10 ⁻³	-1.95	BTK	Bruton tyrosine kinase
A_24_P23411	1.23x10 ⁻²	-1.95	ARMCX3	armadillo repeat containing X-linked 3
A_32_P34826	1.24x10 ⁻²	-1.95	B3GALT5-AS1	B3GALT5 antisense RNA 1
A_23_P395609	1.84x10 ⁻²	-1.95	FAM110B	family with sequence similarity 110 member B
A_24_P925413	2.02x10 ⁻²	-1.95	CMYA5	cardiomyopathy associated 5
A_23_P502879	2.71x10 ⁻²	-1.95	LPAR1	lysophosphatidic acid receptor 1
A_23_P47340	3.68x10 ⁻²	-1.95	DSCAML1	DS cell adhesion molecule like 1
A_23_P19115	4.20x10 ⁻³	-1.96	GSPT2	G1 to S phase transition 2

A_23_P4069	4.68x10 ⁻³	-1.96	TMEM220	transmembrane protein 220
A_24_P270033	5.31x10 ⁻³	-1.96	MPZL3	myelin protein zero like 3
A_23_P407583	6.10x10 ⁻³	-1.96	PEG3	paternally expressed 3
A_23_P85250	7.81x10 ⁻³	-1.96	CD24	CD24 molecule
A_23_P125253	8.41x10 ⁻³	-1.96	LDB2	LIM domain binding 2
A_23_P109508	9.87x10 ⁻³	-1.96	NCF4	neutrophil cytosolic factor 4
A_23_P208450	1.47x10 ⁻²	-1.96	SLC25A23	solute carrier family 25 member 23
A_23_P210323	3.30x10 ⁻⁴	-1.97	CEP68	centrosomal protein 68
A_23_P212482	5.95x10 ⁻⁴	-1.97	SLC9A9	solute carrier family 9 member A9
A_24_P936319	7.30x10 ⁻⁴	-1.97	GAB1	GRB2 associated binding protein 1
A_24_P194688	7.70x10 ⁻⁴	-1.97	MICU3	mitochondrial calcium uptake family member 3
A_24_P188377	1.23x10 ⁻³	-1.97	CD55	CD55 molecule (Cromer blood group)
A_23_P352266	1.24x10 ⁻³	-1.97	BCL2	BCL2 apoptosis regulator
A_23_P213359	1.26x10 ⁻²	-1.97	PCDH1	protocadherin 1
A_23_P38952	2.96x10 ⁻²	-1.97	ACER1	alkaline ceramidase 1
A_23_P94255	3.38x10 ⁻²	-1.97	TRPA1	transient receptor potential cation channel subfamily A member 1
A_23_P23611	3.40x10 ⁻²	-1.97	AMY1C	amylase α 1C (salivary)
A_32_P61936	4.88x10 ⁻²	-1.97	SENCR	smooth muscle and endothelial cell enriched migration
A_23_P22660	6.91x10 ⁻⁴	-1.98	CYSLTR1	cysteinyl leukotriene receptor 1
A_23_P324327	1.82x10 ⁻³	-1.98	GPRC5B	G protein-coupled receptor class C group 5 member B
A_23_P381261	2.82x10 ⁻³	-1.98	ADCY4	adenylate cyclase 4
A_32_P169505	3.72x10 ⁻³	-1.98	KIAA2022	KIAA2022
A_32_P110472	1.17x10 ⁻²	-1.98	IYD	iodotyrosine deiodinase
A_24_P37903	2.15x10 ⁻²	-1.98	LOX	lysyl oxidase
A_23_P97173	4.53x10 ⁻²	-1.98	HSD3B1	hydroxy- δ -5-steroid dehydrogenase 3 β - and steroid δ -isomerase 1
A_24_P173234	4.78x10 ⁻²	-1.98	ZNF613	zinc finger protein 613
A_24_P358619	2.87x10 ⁻⁴	-1.99	ZNF99	zinc finger protein 99
A_23_P345692	3.25x10 ⁻³	-1.99	IL17D	interleukin 17D
A_23_P107903	5.36x10 ⁻³	-1.99	RGL3	ral guanine nucleotide dissociation stimulator like 3
A_23_P501732	6.46x10 ⁻³	-1.99	FCN2	ficolin 2
A_24_P102293	8.65x10 ⁻³	-1.99	SLITRK5	SLIT and NTRK like family member 5
A_24_P273742	1.13x10 ⁻²	-1.99	TTC9	tetratricopeptide repeat domain 9

A_24_P915049	1.20x10 ⁻²	-1.99	ZNF568	zinc finger protein 568
A_24_P748377	1.26x10 ⁻²	-1.99	MAGI2-AS3	MAGI2 antisense RNA 3
A_23_P123488	1.36x10 ⁻²	-1.99	PRDM14	PR
A_23_P400603	2.40x10 ⁻²	-1.99	GLIDR	glioblastoma downregulated RNA
A_23_P380526	2.47x10 ⁻²	-1.99	DPPA4	developmental pluripotency associated 4
A_23_P28898	2.74x10 ⁻²	-1.99	PLCB4	phospholipase C β4
A_23_P77731	4.49x10 ⁻²	-1.99	CRYM	crystallin μ
A_23_P336198	1.47x10 ⁻⁴	-2.00	GLCCI1	glucocorticoid induced 1
A_24_P100535	1.71x10 ⁻³	-2.00	SYT15	synaptotagmin 15
A_23_P212655	4.13x10 ⁻³	-2.00	KLHL6	kelch like family member 6
A_24_P261033	4.43x10 ⁻³	-2.00	PMP2	peripheral myelin protein 2
A_23_P105562	5.31x10 ⁻³	-2.00	VWF	von Willebrand factor
A_23_P39871	6.95x10 ⁻³	-2.00	SLC19A3	solute carrier family 19 member 3
A_23_P143981	2.92x10 ⁻²	-2.00	FBLN2	fibulin 2
A_24_P943781	3.06x10 ⁻²	-2.00	CPED1	cadherin like and PC-esterase domain containing 1
A_24_P929083	5.10x10 ⁻⁴	-2.01	MAGI2-AS3	MAGI2 antisense RNA 3
A_24_P20996	5.45x10 ⁻⁴	-2.01	STXBP5	syntaxin binding protein 5
A_23_P122724	9.31x10 ⁻⁴	-2.01	VNN2	vanin 2
A_23_P47034	9.55x10 ⁻⁴	-2.01	HHEX	hematopoietically expressed homeobox
A_32_P48842	1.36x10 ⁻³	-2.01	SMIM10	small integral membrane protein 10
A_23_P216325	1.80x10 ⁻³	-2.01	ASAH1	N-acylsphingosine amidohydrolase 1
A_32_P3955	2.38x10 ⁻³	-2.01	C7orf57	chromosome 7 open reading frame 57
A_23_P154400	2.81x10 ⁻³	-2.01	MLPH	melanophilin
A_23_P104464	7.29x10 ⁻³	-2.01	ALOX5	arachidonate 5-lipoxygenase
A_23_P216307	1.08x10 ⁻²	-2.01	RUNX1T1	RUNX1 translocation partner 1
A_23_P501831	1.24x10 ⁻²	-2.01	FAXDC2	fatty acid hydroxylase domain containing 2
A_23_P72059	1.27x10 ⁻²	-2.01	VSIG10	V-set and immunoglobulin domain containing 10
A_32_P130630	1.31x10 ⁻²	-2.01	SLC16A7	solute carrier family 16 member 7
A_24_P379104	2.81x10 ⁻²	-2.01	PIM2	Pim-2 proto-oncogeneserine
A_23_P203540	4.43x10 ⁻²	-2.01	EHF	ETS homologous factor
A_32_P219620	4.72x10 ⁻²	-2.01	EYA4	EYA transcriptional coactivator and phosphatase 4
A_24_P56363	2.94x10 ⁻⁵	-2.02	CAB39L	calcium binding protein 39 like

A_23_P85140	5.99x10 ⁻⁵	-2.02	TCEAL2	transcription elongation factor A like 2
A_24_P940725	2.86x10 ⁻⁴	-2.02	PNISR	PNN interacting serine and arginine rich protein
A_24_P930963	1.41x10 ⁻³	-2.02	LMF1	lipase maturation factor 1
A_23_P167005	4.11x10 ⁻³	-2.02	GPR160	G protein-coupled receptor 160
A_24_P14634	6.46x10 ⁻³	-2.02	EMID1	EMI domain containing 1
A_24_P865226	1.49x10 ⁻²	-2.02	CDIPT-AS1	CDIPT antisense RNA 1 (head to head)
A_24_P409071	1.02x10 ⁻³	-2.03	SNED1	sushi nidogen and EGF like domains 1
A_23_P68978	1.56x10 ⁻³	-2.03	EFCAB6	EF-hand calcium binding domain 6
A_23_P324885	4.52x10 ⁻³	-2.03	CCR2	C-C motif chemokine receptor 2
A_24_P17691	5.01x10 ⁻³	-2.03	UGT2B17	UDP glucuronosyltransferase family 2 member B17
A_23_P21376	6.90x10 ⁻³	-2.03	MAGI2	membrane associated guanylate kinase WW and PDZ domain containing 2
A_23_P136619	1.34x10 ⁻²	-2.03	CA13	carbonic anhydrase 13
A_23_P4101	2.16x10 ⁻²	-2.03	LRRC37A4P	leucine rich repeat containing 37 member A4 pseudogene
A_32_P226186	3.04x10 ⁻²	-2.03	KIAA1549	KIAA1549
A_24_P94402	3.54x10 ⁻²	-2.03	MYCN	v-myc avian myelocytomatosis viral oncogene neuroblastoma derived homolog
A_23_P59616	1.33x10 ⁻³	-2.04	GTF2IRD2	GTF2I repeat domain containing 2
A_23_P349944	2.30x10 ⁻³	-2.04	SLC26A1	solute carrier family 26 member 1
A_23_P154849	2.83x10 ⁻³	-2.04	OLIG1	oligodendrocyte transcription factor 1
A_32_P416161	3.46x10 ⁻³	-2.04	XKRX	XK related X-linked
A_23_P401106	6.97x10 ⁻³	-2.04	PDE2A	phosphodiesterase 2A
A_32_P935906	8.10x10 ⁻³	-2.04	ZNF252P-AS1	ZNF252P antisense RNA 1
A_23_P23980	1.98x10 ⁻²	-2.04	PLEKHS1	pleckstrin homology domain containing S1
A_23_P311895	3.22x10 ⁻²	-2.04	CLIC5	chloride intracellular channel 5
A_23_P167263	1.61x10 ⁻⁵	-2.05	JADE1	jade family PHD finger 1
A_24_P319736	3.23x10 ⁻⁴	-2.05	MEIS1	Meis homeobox 1
A_23_P148990	5.45x10 ⁻⁴	-2.05	HMCN1	hemicentin 1
A_23_P252471	5.62x10 ⁻⁴	-2.05	PECAM1	platelet and endothelial cell adhesion molecule 1
A_23_P340263	2.47x10 ⁻³	-2.05	RNF175	ring finger protein 175
A_23_P166147	3.19x10 ⁻³	-2.05	FAM182B	family with sequence similarity 182 member B
A_23_P73747	9.23x10 ⁻³	-2.05	ARMCX2	armadillo repeat containing X-linked 2
A_23_P92983	9.86x10 ⁻³	-2.05	BHMT2	betaine-homocysteine S-methyltransferase 2
A_32_P232413	1.00x10 ⁻²	-2.05	KCNN3	potassium calcium-activated channel subfamily N member 3

A_32_P125771	1.25x10 ⁻²	-2.05	RGS22	regulator of G-protein signaling 22
A_23_P334955	1.63x10 ⁻²	-2.05	FAM167A	family with sequence similarity 167 member A
A_23_P168928	1.65x10 ⁻²	-2.05	CYP11B1	cytochrome P450 family 11 subfamily B member 1
A_32_P171225	1.78x10 ⁻²	-2.05	LINC01082	long intergenic non-protein coding RNA 1082
A_23_P212119	3.64x10 ⁻²	-2.05	GALNT15	polypeptide N-acetylgalactosaminyltransferase 15
A_23_P140450	3.80x10 ⁻²	-2.05	SLC27A2	solute carrier family 27 member 2
A_32_P100683	1.31x10 ⁻³	-2.06	TTC28	tetratricopeptide repeat domain 28
A_24_P940006	1.80x10 ⁻³	-2.06	EFNB3	ephrin B3
A_24_P213370	2.88x10 ⁻³	-2.06	LOC100506990	uncharacterized LOC100506990
A_23_P413021	3.12x10 ⁻³	-2.06	MAP10	microtubule associated protein 10
A_24_P237778	4.14x10 ⁻³	-2.06	MAN1C1	mannosidase α class 1C member 1
A_24_P101248	6.32x10 ⁻³	-2.06	PARD3B	par-3 family cell polarity regulator β
A_24_P538567	7.22x10 ⁻³	-2.06	RPL15	ribosomal protein L15
A_23_P152234	8.71x10 ⁻³	-2.06	CMTM2	CKLF like MARVEL transmembrane domain containing 2
A_23_P339079	8.90x10 ⁻³	-2.06	ZNF573	zinc finger protein 573
A_23_P32805	8.90x10 ⁻³	-2.06	GRID1	glutamate ionotropic receptor δ type subunit 1
A_24_P324674	9.35x10 ⁻³	-2.06	LY9	lymphocyte antigen 9
A_24_P933580	1.57x10 ⁻²	-2.06	NAV2	neuron navigator 2
A_23_P250173	1.94x10 ⁻²	-2.06	CNTN3	contactin 3
A_23_P66694	1.99x10 ⁻²	-2.06	EVI2B	ecotropic viral integration site 2B
A_24_P54900	2.05x10 ⁻²	-2.06	LNX1	ligand of numb-protein X 1
A_23_P202388	3.25x10 ⁻²	-2.06	SORBS1	sorbin and SH3 domain containing 1
A_24_P759584	4.88x10 ⁻²	-2.06	DIO3OS	DIO3 opposite strand
A_23_P259741	1.17x10 ⁻⁴	-2.07	SATB1	SATB homeobox 1
A_23_P300600	1.21x10 ⁻⁴	-2.07	NEFH	neurofilament heavy polypeptide
A_32_P207169	1.03x10 ⁻³	-2.07	SERTAD4-AS1	SERTAD4 antisense RNA 1
A_24_P472055	1.43x10 ⁻³	-2.07	RNF125	ring finger protein 125
A_24_P365322	2.11x10 ⁻³	-2.07	ZNF709	zinc finger protein 709
A_23_P135568	2.95x10 ⁻³	-2.07	TNIK	TRAF2 and NCK interacting kinase
A_32_P77831	3.15x10 ⁻³	-2.07	RAB3C	RAB3C member RAS oncogene family
A_32_P73775	3.68x10 ⁻³	-2.07	TP73-AS1	TP73 antisense RNA 1

A_24_P354724	3.90x10 ⁻³	-2.07	TAGAP	T-cell activation RhoGTPase activating protein
A_23_P210731	6.98x10 ⁻³	-2.07	ADAM33	ADAM metallopeptidase domain 33
A_23_P163390	7.58x10 ⁻³	-2.07	CHRNA7	cholinergic receptor nicotinic α 7 subunit
A_24_P256722	1.91x10 ⁻²	-2.07	CNGA1	cyclic nucleotide gated channel α 1
A_23_P303803	2.68x10 ⁻²	-2.07	C19orf18	chromosome 19 open reading frame 18
A_23_P50815	2.78x10 ⁻²	-2.07	TTYH1	tweety family member 1
A_23_P113311	8.37x10 ⁻⁵	-2.08	P4HTM	prolyl 4-hydroxylase transmembrane
A_23_P362191	9.62x10 ⁻⁵	-2.08	LINC00324	long intergenic non-protein coding RNA 324
A_24_P141520	9.15x10 ⁻⁴	-2.08	RIC3	RIC3 acetylcholine receptor chaperone
A_23_P152655	2.92x10 ⁻³	-2.08	ICAM2	intercellular adhesion molecule 2
A_32_P115382	5.05x10 ⁻³	-2.08	KCNB1	potassium voltage-gated channel subfamily B member 1
A_23_P253921	7.45x10 ⁻³	-2.08	ZKSCAN7	zinc finger with KRAB and SCAN domains 7
A_23_P73297	8.69x10 ⁻³	-2.08	MAGI1	membrane associated guanylate kinase WW and PDZ domain containing 1
A_23_P62652	1.09x10 ⁻²	-2.08	SLAMF1	signaling lymphocytic activation molecule family member 1
A_23_P205713	1.76x10 ⁻²	-2.08	STXBP6	syntaxin binding protein 6
A_24_P397043	2.67x10 ⁻²	-2.08	ST6GAL1	ST6 β -galactoside α -2,6-sialyltransferase 1
A_23_P157136	3.09x10 ⁻²	-2.08	SCIN	scinderin
A_23_P203972	3.80x10 ⁻²	-2.08	FZD10	frizzled class receptor 10
A_24_P330234	4.70x10 ⁻⁷	-2.09	UBL3	ubiquitin like 3
A_23_P422766	1.59x10 ⁻⁴	-2.09	KLHDC1	kelch domain containing 1
A_23_P93032	4.25x10 ⁻⁴	-2.09	ZBED3	zinc finger BED-type containing 3
A_24_P497437	2.06x10 ⁻³	-2.09	LOC283788	FSHD region gene 1 pseudogene
A_23_P358709	2.94x10 ⁻³	-2.09	AHRR	aryl-hydrocarbon receptor repressor
A_23_P83134	4.11x10 ⁻³	-2.09	GAS1	growth arrest specific 1
A_23_P33539	4.26x10 ⁻³	-2.09	ADCY2	adenylate cyclase 2
A_23_P254522	7.04x10 ⁻³	-2.09	COL4A4	collagen type IV α 4 chain
A_24_P941268	3.12x10 ⁻⁵	-2.10	CA5B	carbonic anhydrase 5B
A_23_P316012	5.10x10 ⁻⁴	-2.10	RHOJ	ras homolog family member J
A_23_P348227	7.65x10 ⁻⁴	-2.10	ZNF135	zinc finger protein 135
A_32_P200947	1.16x10 ⁻³	-2.10	ZBTB20	zinc finger and BTB domain containing 20
A_23_P82523	1.29x10 ⁻³	-2.10	ABCB1	ATP binding cassette subfamily B member 1

A_24_P851132	4.39x10 ⁻³	-2.10	ANKRD20A8P	ankyrin repeat domain 20 family member A8 pseudogene
A_23_P88106	4.78x10 ⁻³	-2.10	MCF2L	MCF.2 cell line derived transforming sequence like
A_24_P215475	5.96x10 ⁻³	-2.10	ZNF10	zinc finger protein 10
A_32_P177500	6.87x10 ⁻³	-2.10	IL5RA	interleukin 5 receptor subunit α
A_23_P356004	8.07x10 ⁻³	-2.10	KCNIP3	potassium voltage-gated channel interacting protein 3
A_32_P358887	9.30x10 ⁻³	-2.10	SLC4A4	solute carrier family 4 member 4
A_32_P80455	1.00x10 ⁻²	-2.10	RORB	RAR related orphan receptor B
A_24_P272561	1.18x10 ⁻²	-2.10	ZDHHC13	zinc finger DHHC-type containing 13
A_24_P941773	1.45x10 ⁻²	-2.10	METTL7A	methyltransferase like 7A
A_32_P63013	4.33x10 ⁻²	-2.10	MIR4697HG	MIR4697 host gene
A_23_P131060	4.49x10 ⁻²	-2.10	CYP4F8	cytochrome P450 family 4 subfamily F member 8
A_23_P131394	3.77x10 ⁻³	-2.11	SLC16A14	solute carrier family 16 member 14
A_23_P118254	4.05x10 ⁻³	-2.11	FOXF1	forkhead box F1
A_24_P183664	5.98x10 ⁻³	-2.11	TRIL	TLR4 interactor with leucine rich repeats
A_23_P98910	6.04x10 ⁻³	-2.11	LRMP	lymphoid restricted membrane protein
A_23_P207354	6.08x10 ⁻³	-2.11	HIGD1B	HIG1 hypoxia inducible domain family member 1B
A_23_P96271	1.10x10 ⁻²	-2.11	MYOM1	myomesin 1
A_24_P397386	1.42x10 ⁻²	-2.11	LIFR	leukemia inhibitory factor receptor α
A_32_P150086	1.78x10 ⁻²	-2.11	ANKRD20A5P	ankyrin repeat domain 20 family member A5pseudogene
A_32_P71571	2.51x10 ⁻²	-2.11	FAM19A4	family with sequence similarity 19 member A4 C-C motif chemokine like
A_23_P127891	3.06x10 ⁻²	-2.11	BDNF	brain derived neurotrophic factor
A_23_P59960	3.75x10 ⁻²	-2.11	CRISPLD1	cysteine rich secretory protein LCCL domain containing 1
A_32_P197524	6.39x10 ⁻⁴	-2.12	EIF2A	eukaryotic translation initiation factor 2A
A_23_P250735	1.16x10 ⁻³	-2.12	CBX7	chromobox 7
A_23_P74449	2.11x10 ⁻³	-2.12	HPDL	4-hydroxyphenylpyruvate dioxygenase like
A_23_P18649	2.13x10 ⁻³	-2.12	FAT4	FAT atypical cadherin 4
A_23_P256724	2.40x10 ⁻³	-2.12	TNFRSF10C	TNF receptor superfamily member 10c
A_23_P503064	2.43x10 ⁻³	-2.12	KL	klotho
A_23_P107116	3.54x10 ⁻³	-2.12	RNF112	ring finger protein 112
A_24_P925342	5.74x10 ⁻³	-2.12	MAN1C1	mannosidase α class 1C member 1
A_23_P11629	6.52x10 ⁻³	-2.12	TMEM61	transmembrane protein 61

A_32_P73507	7.27x10 ⁻³	-2.12	CHDH	choline dehydrogenase
A_23_P396804	7.55x10 ⁻³	-2.12	ZNF160	zinc finger protein 160
A_23_P22682	8.66x10 ⁻³	-2.12	ARMCX1	armadillo repeat containingX-linked 1
A_24_P353638	1.38x10 ⁻²	-2.12	SLAMF7	SLAM family member 7
A_24_P494454	1.72x10 ⁻²	-2.12	SPIN3	spindlin family member 3
A_24_P327181	4.30x10 ⁻²	-2.12	WNK4	WNK lysine deficient protein kinase 4
A_23_P167256	5.89x10 ⁻⁶	-2.13	JADE1	jade family PHD finger 1
A_23_P134755	3.20x10 ⁻⁵	-2.13	TRPS1	transcriptional repressor GATA binding 1
A_32_P171903	4.15x10 ⁻⁴	-2.13	B4GALT1-AS1	B4GALT1 antisense RNA 1
A_23_P417951	4.69x10 ⁻⁴	-2.13	TSPYL5	TSPY like 5
A_24_P927976	1.34x10 ⁻³	-2.13	KATNAL2	katanin catalytic subunit A1 like 2
A_32_P93045	2.19x10 ⁻³	-2.13	TET1	tet methylcytosine dioxygenase 1
A_23_P97606	2.30x10 ⁻³	-2.13	GSTM5	glutathione S-transferase μ 5
A_23_P72651	2.75x10 ⁻³	-2.13	ECSCR	endothelial cell surface expressed chemotaxis and apoptosis regulator
A_23_P125383	4.35x10 ⁻³	-2.13	TMEFF2	transmembrane protein with EGF like and two follistatin like domains 2
A_23_P14612	5.01x10 ⁻³	-2.13	FGF7	fibroblast growth factor 7
A_24_P231829	8.38x10 ⁻³	-2.13	BHMT2	betaine-homocysteine S-methyltransferase 2
A_32_P748131	1.34x10 ⁻²	-2.13	ZFP82	ZFP82 zinc finger protein
A_32_P158966	1.90x10 ⁻²	-2.13	KLRF1	killer cell lectin like receptor F1
A_32_P157465	1.67x10 ⁻³	-2.14	ZBTB20	zinc finger and BTB domain containing 20
A_24_P215653	3.27x10 ⁻³	-2.14	CLEC14A	C-type lectin domain family 14 member A
A_32_P153812	6.97x10 ⁻³	-2.14	TMEM132B	transmembrane protein 132B
A_23_P69293	7.45x10 ⁻³	-2.14	CHDH	choline dehydrogenase
A_24_P541919	9.76x10 ⁻³	-2.14	DENND5B	DENN domain containing 5B
A_23_P32177	2.00x10 ⁻²	-2.14	LHX6	LIM homeobox 6
A_24_P40626	3.86x10 ⁻²	-2.14	GREM2	gremlin 2 DAN family BMP antagonist
A_23_P426663	7.42x10 ⁻⁶	-2.15	MITF	melanogenesis associated transcription factor
A_24_P318897	5.97x10 ⁻⁵	-2.15	SNX21	sorting nexin family member 21
A_24_P79403	5.56x10 ⁻⁴	-2.15	PF4	platelet factor 4
A_24_P456723	7.01x10 ⁻⁴	-2.15	LINC01125	long intergenic non-protein coding RNA 1125
A_24_P186342	8.46x10 ⁻⁴	-2.15	ZFP14	ZFP14 zinc finger protein
A_24_P19410	9.99x10 ⁻⁴	-2.15	CBX7	chromobox 7

A_23_P334308	1.99x10 ⁻³	-2.15	MTUS2	microtubule associated tumor suppressor candidate 2
A_23_P125588	2.31x10 ⁻³	-2.15	TNMD	tenomodulin
A_23_P382488	2.74x10 ⁻³	-2.15	CARMIL3	capping protein regulator and myosin 1 linker 3
A_23_P302207	2.88x10 ⁻³	-2.15	ZNF853	zinc finger protein 853
A_23_P71699	2.90x10 ⁻³	-2.15	RORB	RAR related orphan receptor B
A_23_P253145	3.28x10 ⁻³	-2.15	TAGAP	T-cell activation RhoGTPase activating protein
A_23_P6674	9.52x10 ⁻³	-2.15	LXN	latexin
A_23_P153146	1.05x10 ⁻²	-2.15	CDH7	cadherin 7
A_24_P79300	1.15x10 ⁻²	-2.15	CLDN5	claudin 5
A_24_P31275	1.31x10 ⁻²	-2.15	ATP1B2	ATPase Na ⁺
A_23_P93940	1.69x10 ⁻²	-2.15	PGAM2	phosphoglycerate mutase 2
A_23_P52207	2.56x10 ⁻²	-2.15	BAMBI	BMP and activin membrane bound inhibitor
A_23_P213137	4.45x10 ⁻²	-2.15	LNX1	ligand of numb-protein X 1
A_23_P93360	3.11x10 ⁻⁵	-2.16	AGER	advanced glycosylation end-product specific receptor
A_24_P22981	1.00x10 ⁻³	-2.16	ZNF253	zinc finger protein 253
A_24_P153880	1.06x10 ⁻³	-2.16	GOLGA6L9	golgin A6 family-like 9
A_23_P130444	1.38x10 ⁻³	-2.16	ZNF701	zinc finger protein 701
A_23_P253012	2.76x10 ⁻³	-2.16	GRAMD1C	GRAM domain containing 1C
A_23_P4416	6.04x10 ⁻³	-2.16	ZNF287	zinc finger protein 287
A_24_P321766	8.96x10 ⁻³	-2.16	SERPINA5	serpin family A member 5
A_23_P39154	1.32x10 ⁻²	-2.16	ZNF345	zinc finger protein 345
A_23_P145054	1.72x10 ⁻²	-2.16	FAM162B	family with sequence similarity 162 member B
A_24_P135427	4.73x10 ⁻²	-2.16	LOC100128398	uncharacterized LOC100128398
A_24_P650482	4.84x10 ⁻⁶	-2.17	PCBP1-AS1	PCBP1 antisense RNA 1
A_23_P111092	3.12x10 ⁻⁵	-2.17	OR2H1	olfactory receptor family 2 subfamily H member 1
A_23_P113351	9.22x10 ⁻⁴	-2.17	SPARCL1	SPARC like 1
A_23_P16953	9.87x10 ⁻⁴	-2.17	HTR2B	5-hydroxytryptamine receptor 2B
A_24_P350546	1.11x10 ⁻³	-2.17	LOC646976	translation initiation factor IF-2
A_23_P66137	2.39x10 ⁻³	-2.17	SOX8	SRY-box 8
A_32_P191441	2.68x10 ⁻³	-2.17	C10orf90	chromosome 10 open reading frame 90
A_24_P783122	3.79x10 ⁻³	-2.17	IL10RB-AS1	IL10RB antisense RNA 1 (head to head)
A_24_P126139	3.85x10 ⁻³	-2.17	RAB9B	RAB9B member RAS oncogene family

A_24_P696996	5.81x10 ⁻³	-2.17	PROSER2-AS1	PROSER2 antisense RNA 1
A_24_P41850	6.13x10 ⁻³	-2.17	MASP1	mannan binding lectin serine peptidase 1
A_23_P211631	8.15x10 ⁻³	-2.17	FBLN1	fibulin 1
A_23_P89145	1.18x10 ⁻²	-2.17	ZNF83	zinc finger protein 83
A_23_P313550	2.62x10 ⁻²	-2.17	SLC25A41	solute carrier family 25 member 41
A_23_P113317	1.07x10 ⁻⁴	-2.18	P4HTM	prolyl 4-hydroxylase transmembrane
A_24_P944049	1.51x10 ⁻⁴	-2.18	CEP68	centrosomal protein 68
A_24_P938284	3.23x10 ⁻⁴	-2.18	FCGR2B	Fc fragment of IgG receptor IIb
A_24_P46689	5.42x10 ⁻⁴	-2.18	SASH1	SAM and SH3 domain containing 1
A_23_P120694	9.03x10 ⁻⁴	-2.18	KCNE2	potassium voltage-gated channel subfamily E regulatory subunit 2
A_24_P32790	1.67x10 ⁻³	-2.18	YOD1	YOD1 deubiquitinase
A_23_P31188	4.11x10 ⁻³	-2.18	GIMAP1	GTPase IMAP family member 1
A_32_P127978	4.13x10 ⁻³	-2.18	IKZF2	IKAROS family zinc finger 2
A_23_P125164	5.64x10 ⁻³	-2.18	FHIT	fragile histidine triad
A_23_P86470	6.65x10 ⁻³	-2.18	CH25H	cholesterol 25-hydroxylase
A_32_P95973	8.10x10 ⁻³	-2.18	RIMKLA	ribosomal modification protein rimK like family member A
A_24_P305038	2.12x10 ⁻²	-2.18	CRHR1-IT1	CRHR1 intronic transcript 1
A_32_P77102	2.18x10 ⁻²	-2.18	LINC00892	long intergenic non-protein coding RNA 892
A_23_P73114	2.18x10 ⁻²	-2.18	PROS1	protein S (α)
A_24_P100016	2.36x10 ⁻²	-2.18	ZNF486	zinc finger protein 486
A_23_P346900	3.85x10 ⁻⁵	-2.19	CACNA2D2	calcium voltage-gated channel auxiliary subunit α 2 δ 2
A_23_P93442	9.87x10 ⁻⁴	-2.19	SASH1	SAM and SH3 domain containing 1
A_24_P333421	1.32x10 ⁻³	-2.19	ZNF862	zinc finger protein 862
A_24_P205327	4.74x10 ⁻³	-2.19	ATP13A4	ATPase 13A4
A_23_P201587	8.91x10 ⁻³	-2.19	SORT1	sortilin 1
A_23_P308974	1.35x10 ⁻²	-2.19	ADAMTSL3	ADAMTS like 3
A_23_P48350	2.89x10 ⁻²	-2.19	CLDN10	claudin 10
A_23_P140821	3.30x10 ⁻⁴	-2.20	PARD6A	par-6 family cell polarity regulator α
A_23_P108883	3.42x10 ⁻³	-2.20	KCNK12	potassium two pore domain channel subfamily K member 12
A_23_P10647	4.04x10 ⁻³	-2.20	CYTL1	cytokine like 1
A_24_P683011	6.04x10 ⁻³	-2.20	C8orf88	chromosome 8 open reading frame 88

A_24_P233256	9.87x10 ⁻³	-2.20	ZNF649	zinc finger protein 649
A_23_P52067	1.26x10 ⁻²	-2.20	GRHL3	grainyhead like transcription factor 3
A_32_P209208	1.34x10 ⁻²	-2.20	CAPS2	calcyphosine 2
A_24_P933228	1.35x10 ⁻²	-2.20	CXCR2	C-X-C motif chemokine receptor 2
A_23_P328022	2.04x10 ⁻²	-2.20	SLC5A10	solute carrier family 5 member 10
A_23_P130961	2.21x10 ⁻²	-2.20	ELANE	elastase neutrophil expressed
A_23_P78458	2.36x10 ⁻²	-2.20	ZNF350	zinc finger protein 350
A_23_P217319	3.62x10 ⁻²	-2.20	FGF13	fibroblast growth factor 13
A_23_P67785	3.97x10 ⁻²	-2.20	SPAG16	sperm associated antigen 16
A_23_P94216	8.29x10 ⁻⁵	-2.21	LONRF1	LON peptidase N-terminal domain and ring finger 1
A_23_P114626	5.76x10 ⁻⁴	-2.21	SERPINC1	serpin family C member 1
A_23_P329353	8.19x10 ⁻⁴	-2.21	CNRIP1	cannabinoid receptor interacting protein 1
A_24_P75220	9.61x10 ⁻⁴	-2.21	MAGI1	membrane associated guanylate kinase WW and PDZ domain containing 1
A_24_P226008	3.78x10 ⁻³	-2.21	MGLL	monoglyceride lipase
A_23_P397208	4.62x10 ⁻³	-2.21	GSTM2	glutathione S-transferase μ 2 (muscle)
A_23_P50217	6.46x10 ⁻³	-2.21	ZNF671	zinc finger protein 671
A_23_P92334	6.99x10 ⁻³	-2.21	TMEM156	transmembrane protein 156
A_32_P79434	8.17x10 ⁻³	-2.21	PTPRN2	protein tyrosine phosphatase receptor type N2
A_23_P92536	1.08x10 ⁻²	-2.21	CNGA1	cyclic nucleotide gated channel α 1
A_24_P226332	3.66x10 ⁻²	-2.21	EPHA7	EPH receptor A7
A_24_P101304	3.10x10 ⁻⁴	-2.22	ZNF568	zinc finger protein 568
A_24_P917123	7.11x10 ⁻⁴	-2.22	MYLIP	myosin regulatory light chain interacting protein
A_23_P2705	1.19x10 ⁻³	-2.22	LPAR6	lysophosphatidic acid receptor 6
A_32_P80850	5.05x10 ⁻³	-2.22	COL14A1	collagen type XIV α 1 chain
A_24_P941359	5.74x10 ⁻³	-2.22	FAM65B	family with sequence similarity 65 member B
A_23_P22143	1.03x10 ⁻²	-2.22	PDE6B	phosphodiesterase 6B
A_23_P385067	1.20x10 ⁻²	-2.22	CLIC6	chloride intracellular channel 6
A_24_P96505	2.11x10 ⁻²	-2.22	GFRA2	GDNF family receptor α 2
A_23_P401606	3.20x10 ⁻²	-2.22	EDIL3	EGF like repeats and discoidin domains 3
A_23_P76743	3.40x10 ⁻²	-2.22	ASPG	asparaginase
A_23_P30736	3.03x10 ⁻⁴	-2.23	HLA-DOB	major histocompatibility complex class II DO β

A_24_P234242	7.21x10 ⁻⁴	-2.23	ACADL	acyl-CoA dehydrogenase long chain
A_32_P46214	8.80x10 ⁻⁴	-2.23	SLC9A9	solute carrier family 9 member A9
A_32_P109036	1.21x10 ⁻³	-2.23	ZNF493	zinc finger protein 493
A_23_P10506	2.82x10 ⁻³	-2.23	HPGDS	hematopoietic prostaglandin D synthase
A_23_P402670	5.57x10 ⁻³	-2.23	CD1A	CD1a molecule
A_23_P117662	1.18x10 ⁻²	-2.23	HDC	histidine decarboxylase
A_23_P131263	1.35x10 ⁻²	-2.23	MPP4	membrane palmitoylated protein 4
A_24_P272310	3.33x10 ⁻⁴	-2.24	MUSTN1	musculoskeletal embryonic nuclear protein 1
A_23_P212779	5.93x10 ⁻⁴	-2.24	PARM1	prostate androgen-regulated mucin-like protein 1
A_24_P165864	6.68x10 ⁻⁴	-2.24	P2RY14	purinergic receptor P2Y14
A_23_P44794	1.59x10 ⁻³	-2.24	RAB3C	RAB3C member RAS oncogene family
A_23_P48325	2.36x10 ⁻³	-2.24	KCTD4	potassium channel tetramerization domain containing 4
A_23_P209564	3.71x10 ⁻³	-2.24	CYBRD1	cytochrome b reductase 1
A_32_P178966	5.57x10 ⁻³	-2.24	TMEM170B	transmembrane protein 170B
A_23_P107336	1.08x10 ⁻²	-2.24	ACAP1	ArfGAP with coiled-coil ankyrin repeat and PH domains 1
A_24_P402825	1.57x10 ⁻²	-2.24	CACNA2D3	calcium voltage-gated channel auxiliary subunit α 2 δ 3
A_23_P386942	1.95x10 ⁻²	-2.24	DIRAS1	DIRAS family GTPase 1
A_32_P34516	2.82x10 ⁻²	-2.24	XKR6	XK related 6
A_23_P209625	4.87x10 ⁻²	-2.24	CYP1B1	cytochrome P450 family 1 subfamily B member 1
A_24_P941166	1.89x10 ⁻⁴	-2.25	ZNF425	zinc finger protein 425
A_24_P148836	9.44x10 ⁻⁴	-2.25	KLHDC8B	kelch domain containing 8B
A_24_P317907	9.96x10 ⁻⁴	-2.25	SORBS1	sorbin and SH3 domain containing 1
A_32_P104432	1.33x10 ⁻³	-2.25	SMIM10L2B	small integral membrane protein 10 like 2B
A_24_P756494	2.62x10 ⁻³	-2.25	ADAMTS9-AS2	ADAMTS9 antisense RNA 2
A_24_P453497	2.70x10 ⁻³	-2.25	RBM20	RNA binding motif protein 20
A_23_P407096	2.93x10 ⁻³	-2.25	ZNF366	zinc finger protein 366
A_23_P329971	4.27x10 ⁻³	-2.25	PLPP5	phospholipid phosphatase 5
A_23_P259098	7.71x10 ⁻³	-2.25	ZSCAN16	zinc finger and SCAN domain containing 16
A_23_P39525	9.87x10 ⁻³	-2.25	FAM124B	family with sequence similarity 124 member B
A_24_P142503	1.13x10 ⁻²	-2.25	SLC47A1	solute carrier family 47 member 1
A_23_P146233	1.46x10 ⁻²	-2.25	LPL	lipoprotein lipase
A_24_P263793	4.04x10 ⁻³	-2.26	FCN1	ficolin 1

A_23_P77223	4.37x10 ⁻³	-2.26	MESP1	mesoderm posterior bHLH transcription factor 1
A_24_P561341	6.65x10 ⁻³	-2.26	FAM150B	family with sequence similarity 150 member B
A_24_P239343	4.10x10 ⁻²	-2.26	DERL3	derlin 3
A_23_P129157	7.05x10 ⁻⁴	-2.27	NEIL1	nei like DNA glycosylase 1
A_23_P104252	7.34x10 ⁻⁴	-2.27	ITIH5	inter- α -trypsin inhibitor heavy chain family member 5
A_23_P141505	5.55x10 ⁻³	-2.27	CLEC10A	C-type lectin domain family 10 member A
A_23_P103328	6.00x10 ⁻³	-2.27	PTGER3	prostaglandin E receptor 3
A_23_P140434	1.57x10 ⁻²	-2.27	MYO5C	myosin VC
A_24_P19228	1.75x10 ⁻²	-2.27	GAMT	guanidinoacetate N-methyltransferase
A_23_P70818	4.23x10 ⁻²	-2.27	SMO	smoothened/frizzled class receptor
A_23_P30567	8.74x10 ⁻⁴	-2.28	CRHBP	corticotropin releasing hormone binding protein
A_24_P398572	1.42x10 ⁻³	-2.28	IGF1	insulin like growth factor 1
A_23_P406385	4.45x10 ⁻³	-2.28	FBXL16	F-box and leucine rich repeat protein 16
A_23_P39790	8.41x10 ⁻³	-2.28	CD207	CD207 molecule
A_23_P133359	1.01x10 ⁻²	-2.28	ZFP2	ZFP2 zinc finger protein
A_32_P180315	3.60x10 ⁻²	-2.28	CCDC180	coiled-coil domain containing 180
A_24_P53976	3.10x10 ⁻⁴	-2.29	GLUL	glutamate-ammonia ligase
A_23_P140373	7.93x10 ⁻⁴	-2.29	FLVCR2	feline leukemia virus subgroup C cellular receptor family member 2
A_23_P346006	1.52x10 ⁻³	-2.29	CCPG1	cell cycle progression 1
A_23_P8175	1.98x10 ⁻³	-2.29	PLAGL1	PLAG1 like zinc finger 1
A_23_P254741	2.25x10 ⁻³	-2.29	SOD3	superoxide dismutase 3 extracellular
A_24_P100996	2.50x10 ⁻³	-2.29	ANO5	anoctamin 5
A_23_P105862	4.11x10 ⁻³	-2.29	FRY	FRY microtubule binding protein
A_32_P154473	4.27x10 ⁻³	-2.29	KIF5C	kinesin family member 5C
A_23_P304110	8.10x10 ⁻³	-2.29	SOWAHA	so sondowah ankyrin repeat domain family member A
A_23_P18362	9.87x10 ⁻³	-2.29	SLITRK3	SLIT and NTRK like family member 3
A_32_P68103	1.17x10 ⁻²	-2.29	PRND	prion protein 2 (dublet)
A_32_P107617	1.32x10 ⁻²	-2.29	SFTPD	surfactant protein D
A_23_P110941	2.02x10 ⁻²	-2.29	GSTA4	glutathione S-transferase α 4
A_23_P27649	2.22x10 ⁻²	-2.29	ZNF433	zinc finger protein 433
A_24_P374427	2.30x10 ⁻²	-2.29	ZDHHC21	zinc finger DHHC-type containing 21

A_23_P75024	2.63x10 ⁻²	-2.29	MSMB	microseminoprotein β
A_23_P130515	3.46x10 ⁻²	-2.29	CEACAM3	carcinoembryonic antigen related cell adhesion molecule 3
A_23_P120902	3.70x10 ⁻²	-2.29	LGALS2	galectin 2
A_32_P224302	5.96x10 ⁻⁴	-2.30	ZNF135	zinc finger protein 135
A_24_P229055	2.38x10 ⁻³	-2.30	SEMA4D	semaphorin 4D
A_32_P115438	3.03x10 ⁻³	-2.30	LOC100128239	uncharacterized LOC100128239
A_23_P8363	4.23x10 ⁻³	-2.30	LINC00525	long intergenic non-protein coding RNA 525
A_24_P126210	4.26x10 ⁻³	-2.30	MRAP	melanocortin 2 receptor accessory protein
A_23_P111981	1.30x10 ⁻²	-2.30	LYNX1	Ly6
A_24_P64442	1.92x10 ⁻²	-2.30	EHF	ETS homologous factor
A_23_P320216	2.10x10 ⁻²	-2.30	NXPE4	neurexophilin and PC-esterase domain family member 4
A_24_P252364	2.79x10 ⁻²	-2.30	NRCAM	neuronal cell adhesion molecule
A_32_P107876	4.45x10 ⁻²	-2.30	FRAS1	Fraser extracellular matrix complex subunit 1
A_23_P103601	4.20x10 ⁻⁵	-2.31	MAN1C1	mannosidase αclass 1C member 1
A_23_P411353	8.20x10 ⁻⁴	-2.31	ZCCHC5	zinc finger CCHC-type containing 5
A_23_P351467	1.33x10 ⁻³	-2.31	CMAHP	cytidine monophospho-N-acetylneuraminic acid hydroxylasepseudogene
A_23_P414654	1.78x10 ⁻³	-2.31	RAB37	RAB37 member RAS oncogene family
A_24_P231104	2.06x10 ⁻³	-2.31	LEPR	leptin receptor
A_23_P151778	7.50x10 ⁻³	-2.31	CMA1	chymase 1
A_23_P216429	1.68x10 ⁻²	-2.31	ASPN	asporin
A_24_P68381	6.73x10 ⁻⁴	-2.32	DCT	dopachrome tautomerase
A_23_P80718	2.00x10 ⁻³	-2.32	SYNPR	synaptoporin
A_23_P42975	2.03x10 ⁻³	-2.32	PRKAR2B	protein kinase cAMP-dependent type II regulatory subunit β
A_23_P136909	2.43x10 ⁻³	-2.32	HMG5	high mobility group nucleosome binding domain 5
A_23_P107173	3.84x10 ⁻³	-2.32	MEOX1	mesenchyme homeobox 1
A_23_P376497	1.03x10 ⁻²	-2.32	IGFBP5	insulin like growth factor binding protein 5
A_23_P129005	1.18x10 ⁻²	-2.32	NYNRIN	NYN domain and retroviral integrase containing
A_24_P42264	2.34x10 ⁻²	-2.32	LYZ	lysozyme
A_23_P253602	3.62x10 ⁻²	-2.32	BMX	BMX non-receptor tyrosine kinase
A_23_P22444	9.24x10 ⁻⁴	-2.33	CFP	complement factor properdin
A_23_P11674	2.58x10 ⁻³	-2.33	PTGFR	prostaglandin F receptor

A_23_P213114	2.88x10 ⁻³	-2.33	TEC	tec protein tyrosine kinase
A_23_P207632	5.27x10 ⁻³	-2.33	ATP2A3	ATPase sarcoplasmic
A_23_P101683	6.97x10 ⁻³	-2.33	CLC	Charcot-Leyden crystal galectin
A_23_P56197	1.20x10 ⁻²	-2.33	CRLF1	cytokine receptor like factor 1
A_23_P160886	1.24x10 ⁻²	-2.33	TAS1R1	taste 1 receptor member 1
A_24_P10214	3.02x10 ⁻²	-2.33	STXBP6	syntaxin binding protein 6
A_24_P411515	4.65x10 ⁻²	-2.33	TMPRSS11F	transmembrane protease serine 11F
A_32_P159651	2.33x10 ⁻⁵	-2.34	KAT2B	lysine acetyltransferase 2B
A_23_P81529	3.33x10 ⁻⁴	-2.34	ISL1	ISL LIM homeobox 1
A_23_P26124	4.91x10 ⁻⁴	-2.34	RORA	RAR related orphan receptor A
A_32_P105825	1.45x10 ⁻³	-2.34	MPPED2	metallophosphoesterase domain containing 2
A_23_P99275	2.80x10 ⁻³	-2.34	KLRB1	killer cell lectin like receptor B1
A_23_P407112	2.99x10 ⁻³	-2.34	SPATA18	spermatogenesis associated 18
A_23_P119562	3.13x10 ⁻³	-2.34	CFD	complement factor D
A_23_P125748	5.73x10 ⁻³	-2.34	ZMAT1	zinc finger matrin-type 1
A_23_P394043	6.56x10 ⁻³	-2.34	CAMSAP3	calmodulin regulated spectrin associated protein family member 3
A_24_P339514	9.12x10 ⁻³	-2.34	CYP2B6	cytochrome P450 family 2 subfamily B member 6
A_23_P211680	2.50x10 ⁻²	-2.34	MLC1	megalencephalic leukoencephalopathy with subcortical cysts 1
A_23_P115645	2.20x10 ⁻³	-2.35	CELF2	CUGBP Elav-like family member 2
A_23_P82775	4.44x10 ⁻³	-2.35	SOX17	SRY-box 17
A_23_P206920	1.75x10 ⁻²	-2.35	MYH11	myosin heavy chain 11
A_23_P331700	2.19x10 ⁻²	-2.35	SRRM3	serine
A_24_P915806	2.20x10 ⁻⁴	-2.36	HNMT	histamine N-methyltransferase
A_23_P419107	6.08x10 ⁻⁴	-2.36	TCP11L2	t-complex 11 like 2
A_23_P360797	9.87x10 ⁻⁴	-2.36	NTF3	neurotrophin 3
A_24_P937691	1.32x10 ⁻³	-2.36	EXPH5	exophilin 5
A_23_P31041	2.06x10 ⁻³	-2.36	MYLIP	myosin regulatory light chain interacting protein
A_32_P223859	3.12x10 ⁻³	-2.36	SMPDL3A	sphingomyelin phosphodiesterase acid like 3A
A_24_P304423	3.69x10 ⁻³	-2.36	IGF1	insulin like growth factor 1
A_23_P110430	3.93x10 ⁻³	-2.36	MSX1	msh homeobox 1
A_23_P376704	1.17x10 ⁻²	-2.36	CIDEA	cell death-inducing DFFA-like effector a
A_23_P13907	1.77x10 ⁻²	-2.36	IGF1	insulin like growth factor 1

A_23_P20316	2.47x10 ⁻²	-2.36	CA3	carbonic anhydrase 3
A_24_P286951	3.61x10 ⁻²	-2.36	PLEKHS1	pleckstrin homology domain containing S1
A_23_P76488	6.65x10 ⁻⁶	-2.37	EMP1	epithelial membrane protein 1
A_24_P406480	3.56x10 ⁻⁵	-2.37	LONRF1	LON peptidase N-terminal domain and ring finger 1
A_23_P1083	2.37x10 ⁻⁴	-2.37	GJA4	gap junction protein α 4
A_24_P65060	6.99x10 ⁻⁴	-2.37	MEX3B	mex-3 RNA binding family member B
A_23_P167159	4.65x10 ⁻³	-2.37	SCRG1	stimulator of chondrogenesis 1
A_23_P145935	4.83x10 ⁻³	-2.37	EPHB6	EPH receptor B6
A_32_P101917	7.21x10 ⁻³	-2.37	FENDRR	FOXF1 adjacent non-coding developmental regulatory RNA
A_23_P164196	1.81x10 ⁻²	-2.37	DLX4	distal-less homeobox 4
A_24_P383480	2.24x10 ⁻²	-2.37	PROS1	protein S (α)
A_23_P17420	2.80x10 ⁻²	-2.37	BCAS1	breast carcinoma amplified sequence 1
A_23_P108143	3.05x10 ⁻²	-2.37	GAMT	guanidinoacetate N-methyltransferase
A_23_P217611	3.62x10 ⁻⁴	-2.38	ARMCX3	armadillo repeat containing X-linked 3
A_23_P301053	8.70x10 ⁻⁴	-2.38	PAIP2B	poly(A) binding protein interacting protein 2B
A_23_P205355	1.47x10 ⁻³	-2.38	SERPINA5	serpin family A member 5
A_23_P51767	9.01x10 ⁻³	-2.38	CD1C	CD1c molecule
A_23_P114883	1.20x10 ⁻²	-2.38	FMOD	fibromodulin
A_23_P79978	1.44x10 ⁻²	-2.38	SLC24A3	solute carrier family 24 member 3
A_23_P431268	2.48x10 ⁻²	-2.38	PLEKHA6	pleckstrin homology domain containing A6
A_32_P234184	3.83x10 ⁻²	-2.38	HES5	hes family bHLH transcription factor 5
A_23_P319633	2.80x10 ⁻⁴	-2.39	ZDHHC15	zinc finger DHHC-type containing 15
A_24_P296587	2.65x10 ⁻³	-2.39	DLX3	distal-less homeobox 3
A_24_P916364	3.59x10 ⁻³	-2.39	STRBP	spermatid perinuclear RNA binding protein
A_23_P33947	3.75x10 ⁻³	-2.39	EFHC2	EF-hand domain containing 2
A_32_P219460	6.62x10 ⁻³	-2.39	PDZRN3	PDZ domain containing ring finger 3
A_23_P371758	2.51x10 ⁻²	-2.39	SDR9C7	short chain dehydrogenase
A_24_P201021	2.80x10 ⁻²	-2.39	PSCA	prostate stem cell antigen
A_23_P168847	3.49x10 ⁻²	-2.39	FBXO16	F-box protein 16
A_23_P304489	3.71x10 ⁻²	-2.39	FAM19A5	family with sequence similarity 19 member A5 C-C motif chemokine like
A_23_P83028	4.82x10 ⁻⁵	-2.40	RECK	reversion inducing cysteine rich protein with kazal motifs
A_23_P416813	4.28x10 ⁻⁴	-2.40	ZFP82	ZFP82 zinc finger protein

A_24_P166613	1.76x10 ⁻³	-2.40	EPDR1	ependymin related 1
A_23_P415706	2.15x10 ⁻³	-2.40	ADGRD1	adhesion G protein-coupled receptor D1
A_32_P27991	4.85x10 ⁻³	-2.40	BUB3	BUB3 mitotic checkpoint protein
A_23_P209995	5.72x10 ⁻³	-2.40	IL1RN	interleukin 1 receptor antagonist
A_23_P164284	9.87x10 ⁻³	-2.40	CLDN7	claudin 7
A_23_P203115	1.48x10 ⁻²	-2.40	TMEM25	transmembrane protein 25
A_24_P252945	1.80x10 ⁻²	-2.40	CXCR5	C-X-C motif chemokine receptor 5
A_24_P937159	1.84x10 ⁻²	-2.40	KLF8	Kruppel like factor 8
A_23_P6321	2.20x10 ⁻²	-2.40	CLDN5	claudin 5
A_23_P117059	2.96x10 ⁻²	-2.40	SLC16A7	solute carrier family 16 member 7
A_24_P920534	3.80x10 ⁻²	-2.40	GSTM3	glutathione S-transferase μ 3
A_23_P107443	4.48x10 ⁻²	-2.40	KRTAP9-8	keratin associated protein 9-8
A_23_P133543	8.46x10 ⁻⁴	-2.41	KLHL3	kelch like family member 3
A_23_P149390	1.33x10 ⁻³	-2.41	CGN	cingulin
A_23_P5936	2.19x10 ⁻³	-2.41	SOGA1	suppressor of glucose autophagy associated 1
A_23_P156861	2.30x10 ⁻³	-2.41	RGS17	regulator of G-protein signaling 17
A_23_P374695	2.41x10 ⁻³	-2.41	TEK	TEK receptor tyrosine kinase
A_23_P201138	3.18x10 ⁻³	-2.41	KCNA3	potassium voltage-gated channel subfamily A member 3
A_23_P324107	7.10x10 ⁻³	-2.41	RORC	RAR related orphan receptor C
A_32_P109242	9.76x10 ⁻³	-2.41	CSRNP3	cysteine and serine rich nuclear protein 3
A_23_P254434	1.07x10 ⁻²	-2.41	RFPL2	ret finger protein like 2
A_23_P160433	1.72x10 ⁻²	-2.41	C1orf115	chromosome 1 open reading frame 115
A_32_P131031	2.49x10 ⁻²	-2.41	MACC1	metastasis associated in colon cancer 1
A_23_P163440	2.82x10 ⁻⁴	-2.42	MEX3B	mex-3 RNA binding family member B
A_24_P121846	6.03x10 ⁻⁴	-2.42	ZNF132	zinc finger protein 132
A_23_P59410	1.03x10 ⁻³	-2.42	KIF25	kinesin family member 25
A_23_P114689	1.38x10 ⁻³	-2.42	ASAP3	ArfGAP with SH3 domain ankyrin repeat and PH domain 3
A_23_P132027	2.25x10 ⁻³	-2.42	SPAG4	sperm associated antigen 4
A_23_P30163	4.20x10 ⁻³	-2.42	KLF3-AS1	KLF3 antisense RNA 1
A_23_P46781	5.40x10 ⁻³	-2.42	ITGA8	integrin subunit α 8
A_23_P405815	7.12x10 ⁻³	-2.42	PYGM	phosphorylase glycogen muscle
A_32_P775081	1.03x10 ⁻²	-2.42	PTGES2-AS1	PTGES2 antisense RNA 1 (head to head)

A_23_P105923	3.81x10 ⁻²	-2.42	DIO3	deiodinase iodothyronine type III
A_23_P41674	3.26x10 ⁻⁴	-2.43	GRPEL2	GrpE like 2mitochondrial
A_23_P7185	2.14x10 ⁻³	-2.43	STAP1	signal transducing adaptor family member 1
A_24_P325520	3.68x10 ⁻³	-2.43	SORT1	sortilin 1
A_24_P21266	4.18x10 ⁻³	-2.43	ERLIN2	ER lipid raft associated 2
A_23_P167468	1.09x10 ⁻²	-2.43	PRLR	prolactin receptor
A_23_P213620	1.35x10 ⁻²	-2.43	PPP2R2B	protein phosphatase 2 regulatory subunit β
A_23_P145555	4.25x10 ⁻²	-2.43	MLIP	muscular LMNA-interacting protein
A_23_P14302	3.26x10 ⁻⁶	-2.44	LINC00341	long intergenic non-protein coding RNA 341
A_32_P131640	7.19x10 ⁻⁴	-2.44	SLITRK4	SLIT and NTRK like family member 4
A_24_P205036	2.47x10 ⁻³	-2.44	ZNF676	zinc finger protein 676
A_23_P5875	5.26x10 ⁻³	-2.44	POMC	proopiomelanocortin
A_24_P116700	1.81x10 ⁻²	-2.44	TMEM220	transmembrane protein 220
A_23_P31725	1.97x10 ⁻²	-2.44	BLK	BLK proto-oncogene Src family tyrosine kinase
A_24_P103434	4.49x10 ⁻²	-2.44	UNC93A	unc-93 homolog A (C. elegans)
A_24_P80500	5.99x10 ⁻⁵	-2.45	BDH2	3-hydroxybutyrate dehydrogenase type 2
A_23_P364809	2.31x10 ⁻⁴	-2.45	PYGO1	pygopus family PHD finger 1
A_23_P46131	7.68x10 ⁻⁴	-2.45	FAM110D	family with sequence similarity 110 member D
A_23_P500676	1.59x10 ⁻³	-2.45	IL5RA	interleukin 5 receptor subunit α
A_23_P157636	1.84x10 ⁻³	-2.45	PEBP4	phosphatidylethanolamine binding protein 4
A_23_P2831	3.57x10 ⁻³	-2.45	EDNRB	endothelin receptor type B
A_24_P187218	4.83x10 ⁻³	-2.45	PCDH9	protocadherin 9
A_23_P76622	6.23x10 ⁻³	-2.45	DCT	dopachrome tautomerase
A_24_P91852	2.28x10 ⁻²	-2.45	DYNLT3	dynein light chain Tetex-type 3
A_23_P54968	3.70x10 ⁻²	-2.45	ST6GALNAC1	ST6 N-acetylgalactosaminide α -2,6-sialyltransferase 1
A_23_P200741	7.40x10 ⁻⁴	-2.46	DPT	dermatopontin
A_23_P35899	1.88x10 ⁻³	-2.46	MMP27	matrix metalloproteinase 27
A_23_P8834	4.81x10 ⁻³	-2.46	EPHX2	epoxide hydrolase 2
A_24_P230869	4.63x10 ⁻²	-2.46	PRSS12	protease serine 12
A_23_P14853	1.39x10 ⁻⁴	-2.47	LTK	leukocyte receptor tyrosine kinase
A_23_P166929	2.34x10 ⁻⁴	-2.47	SERPINI1	serpin family I member 1

A_24_P106624	6.96x10 ⁻⁴	-2.47	MEOX2	mesenchyme homeobox 2
A_24_P418250	1.02x10 ⁻³	-2.47	SMIM10L2A	small integral membrane protein 10 like 2A
A_23_P414713	2.29x10 ⁻³	-2.47	ZNF528	zinc finger protein 528
A_23_P254654	3.77x10 ⁻²	-2.47	CLIC3	chloride intracellular channel 3
A_23_P500400	2.82x10 ⁻⁴	-2.48	ABCA6	ATP binding cassette subfamily A member 6
A_32_P509964	1.10x10 ⁻³	-2.48	TRAF3IP2-AS1	TRAF3IP2 antisense RNA 1
A_24_P147927	1.51x10 ⁻³	-2.48	EFHC2	EF-hand domain containing 2
A_24_P372012	2.71x10 ⁻³	-2.48	ICA1	islet cell autoantigen 1
A_24_P85243	5.36x10 ⁻³	-2.48	FAM153A	family with sequence similarity 153 member A
A_23_P162288	1.16x10 ⁻²	-2.48	MYO1A	myosin IA
A_24_P70183	1.60x10 ⁻²	-2.48	MYH11	myosin heavy chain 11
A_23_P73577	2.06x10 ⁻²	-2.48	DYNLT3	dynein light chain Tctex-type 3
A_23_P50710	2.87x10 ⁻²	-2.48	CYP4F2	cytochrome P450 family 4 subfamily F member 2
A_23_P79360	3.13x10 ⁻⁴	-2.49	NOSTRIN	nitric oxide synthase trafficking
A_23_P202071	3.93x10 ⁻⁴	-2.49	CELF2	CUGBP Elav-like family member 2
A_23_P310094	5.36x10 ⁻⁴	-2.49	SYNPO2	synaptopodin 2
A_23_P140876	5.43x10 ⁻⁴	-2.49	ABCA3	ATP binding cassette subfamily A member 3
A_23_P94546	1.08x10 ⁻³	-2.49	GKAP1	G kinase anchoring protein 1
A_23_P94319	3.83x10 ⁻³	-2.49	KBTBD11	kelch repeat and BTB domain containing 11
A_23_P381714	5.55x10 ⁻³	-2.49	CA13	carbonic anhydrase 13
A_32_P225816	5.87x10 ⁻³	-2.49	PRDM16	PR
A_23_P169819	1.24x10 ⁻²	-2.49	EPHA3	EPH receptor A3
A_32_P68942	2.35x10 ⁻²	-2.49	ANKRD20A5P	ankyrin repeat domain 20 family member A5 pseudogene
A_23_P399797	8.30x10 ⁻⁵	-2.50	SMAD5-AS1	SMAD5 antisense RNA 1
A_23_P76658	2.42x10 ⁻⁴	-2.50	N4BP2L1	NEDD4 binding protein 2 like 1
A_23_P318904	5.96x10 ⁻⁴	-2.50	SERTAD4	SERTA domain containing 4
A_23_P390148	6.61x10 ⁻⁴	-2.50	RALGPS1	Ral GEF with PH domain and SH3 binding motif 1
A_23_P16915	8.07x10 ⁻⁴	-2.50	QPCT	glutaminyl-peptide cyclotransferase
A_32_P147696	2.63x10 ⁻³	-2.50	LINC00900	long intergenic non-protein coding RNA 900
A_23_P500093	2.84x10 ⁻³	-2.50	RGS13	regulator of G-protein signaling 13
A_23_P18123	3.68x10 ⁻³	-2.50	NLGN1	neuroligin 1
A_23_P109026	3.76x10 ⁻⁷	-2.51	KCNK15	potassium two pore domain channel subfamily K member 15

A_23_P217428	3.91x10 ⁻⁴	-2.51	ARHGAP6	Rho GTPase activating protein 6
A_32_P11579	1.20x10 ⁻³	-2.51	FGF12	fibroblast growth factor 12
A_23_P48585	1.20x10 ⁻³	-2.51	SALL2	spalt like transcription factor 2
A_23_P255672	5.05x10 ⁻³	-2.51	ABLIM2	actin binding LIM protein family member 2
A_24_P589028	5.63x10 ⁻³	-2.51	GPR20	G protein-coupled receptor 20
A_23_P55738	8.11x10 ⁻³	-2.51	CEACAM1	carcinoembryonic antigen related cell adhesion molecule 1
A_23_P63209	8.82x10 ⁻³	-2.51	HSD11B1	hydroxysteroid 11-βdehydrogenase 1
A_24_P256219	1.09x10 ⁻²	-2.51	MAF	MAF bZIP transcription factor
A_23_P43337	1.44x10 ⁻²	-2.51	FREM1	FRAS1 related extracellular matrix 1
A_24_P62668	1.99x10 ⁻⁴	-2.52	SERTAD4	SERTA domain containing 4
A_24_P111242	5.88x10 ⁻⁴	-2.52	SVIP	small VCP interacting protein
A_23_P58588	1.73x10 ⁻³	-2.52	SLIT3	slit guidance ligand 3
A_32_P50209	2.53x10 ⁻³	-2.52	SNX31	sorting nexin 31
A_32_P486620	2.89x10 ⁻³	-2.52	IGSF22	immunoglobulin superfamily member 22
A_32_P106944	5.36x10 ⁻³	-2.52	ZNF429	zinc finger protein 429
A_23_P208208	6.74x10 ⁻³	-2.52	ZNF649	zinc finger protein 649
A_24_P830817	1.38x10 ⁻²	-2.52	PCDH15	protocadherin related 15
A_23_P96590	3.32x10 ⁻⁵	-2.53	GPRASP1	G protein-coupled receptor associated sorting protein 1
A_24_P180151	3.89x10 ⁻⁴	-2.53	ROBO2	roundabout guidance receptor 2
A_24_P360206	2.13x10 ⁻³	-2.53	PCDHA11	protocadherin α11
A_24_P119141	7.93x10 ⁻³	-2.53	PROS1	protein S (α)
A_23_P500892	1.65x10 ⁻²	-2.53	TUB	tubby bipartite transcription factor
A_24_P82466	1.10x10 ⁻⁴	-2.54	GAS7	growth arrest specific 7
A_23_P403335	7.68x10 ⁻⁴	-2.54	EXPH5	exophilin 5
A_23_P205177	9.79x10 ⁻⁴	-2.54	F10	coagulation factor X
A_23_P145984	1.45x10 ⁻³	-2.54	TSPAN12	tetraspanin 12
A_23_P76749	1.64x10 ⁻³	-2.54	GALNT16	polypeptide N-acetylgalactosaminyltransferase 16
A_23_P1759	1.08x10 ⁻²	-2.54	JAML	junction adhesion molecule like
A_23_P151851	1.18x10 ⁻²	-2.54	DUOX2	dual oxidase 2
A_24_P45728	1.77x10 ⁻²	-2.54	CGN	cingulin
A_23_P324538	2.50x10 ⁻²	-2.54	LCE3B	late cornified envelope 3B

A_23_P216935	9.32x10 ⁻⁴	-2.55	MIR600HG	MIR600 host gene
A_23_P155601	1.69x10 ⁻³	-2.55	FMO3	flavin containing monooxygenase 3
A_32_P168326	4.42x10 ⁻³	-2.55	ANKRD20A2	ankyrin repeat domain 20 family member A2
A_23_P73787	5.72x10 ⁻³	-2.55	NUDT10	nudix hydrolase 10
A_23_P107673	2.90x10 ⁻⁵	-2.56	ZFP28	ZFP28 zinc finger protein
A_23_P131308	6.52x10 ⁻⁵	-2.56	CYP27A1	cytochrome P450 family 27 subfamily A member 1
A_23_P166566	5.29x10 ⁻⁴	-2.56	EFCC1	EF-hand and coiled-coil domain containing 1
A_23_P132654	8.05x10 ⁻⁴	-2.56	TLR9	toll like receptor 9
A_23_P159316	1.03x10 ⁻³	-2.56	BFSP2	beaded filament structural protein 2
A_23_P29655	1.94x10 ⁻²	-2.56	C3orf14	chromosome 3 open reading frame 14
A_24_P655849	2.50x10 ⁻⁴	-2.57	SMAD9	SMAD family member 9
A_23_P208259	4.18x10 ⁻⁴	-2.57	ZNF347	zinc finger protein 347
A_32_P44878	4.32x10 ⁻⁴	-2.57	ITIH5	inter- α -trypsin inhibitor heavy chain family member 5
A_23_P349566	6.66x10 ⁻⁴	-2.57	CCDC85A	coiled-coil domain containing 85A
A_24_P257579	1.67x10 ⁻³	-2.57	EPB41L4A	erythrocyte membrane protein band 4.1 like 4A
A_23_P352484	1.90x10 ⁻³	-2.57	DOK6	docking protein 6
A_24_P314477	2.23x10 ⁻³	-2.57	TUBB2B	tubulin β 2B class IIb
A_23_P372974	7.61x10 ⁻³	-2.57	TRAM1L1	translocation associated membrane protein 1-like 1
A_23_P121695	1.31x10 ⁻²	-2.57	CXCL13	C-X-C motif chemokine ligand 13
A_24_P153456	2.89x10 ⁻²	-2.57	ZDHHC11	zinc finger DHHC-type containing 11
A_23_P200780	1.51x10 ⁻³	-2.58	TGFBR3	transforming growth factor β receptor 3
A_23_P101208	2.90x10 ⁻³	-2.58	CYB5A	cytochrome b5 type A
A_32_P129265	5.81x10 ⁻³	-2.58	GDF7	growth differentiation factor 7
A_32_P158272	1.07x10 ⁻²	-2.58	MACC1	metastasis associated in colon cancer 1
A_23_P135381	3.51x10 ⁻²	-2.58	SP5	Sp5 transcription factor
A_23_P58642	2.52x10 ⁻⁵	-2.59	PITX1	paired like homeodomain 1
A_23_P399265	6.89x10 ⁻³	-2.59	STMN2	stathmin 2
A_24_P340128	7.02x10 ⁻³	-2.59	P2RY8	purinergic receptor P2Y8
A_32_P186364	7.11x10 ⁻³	-2.59	C14orf37	chromosome 14 open reading frame 37
A_32_P72067	3.07x10 ⁻²	-2.59	ARHGAP24	Rho GTPase activating protein 24
A_23_P205531	3.23x10 ⁻⁴	-2.60	RNASE4	ribonuclease A family member 4

A_32_P223370	4.46x10 ⁻⁴	-2.60	ZNF736	zinc finger protein 736
A_32_P790284	8.04x10 ⁻⁴	-2.60	KATNAL2	katanin catalytic subunit A1 like 2
A_23_P94840	8.90x10 ⁻³	-2.60	DYNLRB2	dynein light chain roadblock-type 2
A_23_P134237	1.41x10 ⁻²	-2.60	RARRES2	retinoic acid receptor responder 2
A_23_P61508	2.02x10 ⁻²	-2.60	CHRNA9	cholinergic receptor nicotinic α 9 subunit
A_23_P103486	3.45x10 ⁻²	-2.60	CYP2J2	cytochrome P450 family 2 subfamily J member 2
A_23_P400716	5.09x10 ⁻⁴	-2.61	SHE	Src homology 2 domain containing E
A_23_P93027	8.59x10 ⁻⁴	-2.61	FGF18	fibroblast growth factor 18
A_32_P4018	8.87x10 ⁻⁴	-2.61	ROR1	receptor tyrosine kinase like orphan receptor 1
A_23_P372834	1.33x10 ⁻³	-2.61	AQP1	aquaporin 1 (Colton blood group)
A_23_P12363	1.53x10 ⁻³	-2.61	ROR1	receptor tyrosine kinase like orphan receptor 1
A_24_P99244	1.79x10 ⁻³	-2.61	FGF7	fibroblast growth factor 7
A_32_P385587	5.64x10 ⁻³	-2.61	ALAS2	5'-aminolevulinate synthase 2
A_24_P382319	1.11x10 ⁻²	-2.61	CEACAM1	carcinoembryonic antigen related cell adhesion molecule 1
A_23_P70307	3.28x10 ⁻²	-2.61	SMOC2	SPARC related modular calcium binding 2
A_32_P6408	1.52x10 ⁻⁵	-2.62	ZNF853	zinc finger protein 853
A_24_P375322	3.51x10 ⁻⁴	-2.62	GGT8P	γ -glutamyltransferase 8 pseudogene
A_23_P117882	4.83x10 ⁻⁴	-2.62	CRABP1	cellular retinoic acid binding protein 1
A_23_P31124	1.10x10 ⁻³	-2.62	COL21A1	collagen type XXI α 1 chain
A_23_P26439	2.26x10 ⁻³	-2.62	DBNDD1	dysbindin domain containing 1
A_32_P153388	4.37x10 ⁻³	-2.62	GULP1	GULP engulfment adaptor PTB domain containing 1
A_23_P219223	5.46x10 ⁻³	-2.62	TREX2	three prime repair exonuclease 2
A_23_P211417	8.90x10 ⁻³	-2.62	RFPL1	ret finger protein like 1
A_23_P152406	9.44x10 ⁻³	-2.62	CAPNS2	calpain small subunit 2
A_23_P202860	1.02x10 ⁻²	-2.62	CYP2R1	cytochrome P450 family 2 subfamily R member 1
A_23_P251151	1.13x10 ⁻²	-2.62	NELL1	neural EGFL like 1
A_32_P173662	1.19x10 ⁻²	-2.62	CRISP2	cysteine rich secretory protein 2
A_23_P327451	1.42x10 ⁻²	-2.62	NPR3	natriuretic peptide receptor 3
A_24_P862083	7.09x10 ⁻⁴	-2.63	LINC00968	long intergenic non-protein coding RNA 968
A_23_P94819	1.60x10 ⁻³	-2.63	RPH3AL	rabphilin 3A-like (without C2 domains)
A_24_P330263	2.29x10 ⁻³	-2.63	EDNRB	endothelin receptor type B

A_32_P114284	2.59x10 ⁻³	-2.63	IKZF2	IKAROS family zinc finger 2
A_32_P79483	2.60x10 ⁻³	-2.63	FGF14-AS2	FGF14 antisense RNA 2
A_23_P92225	5.96x10 ⁻³	-2.63	MUC20	mucin 20cell surface associated
A_24_P787897	1.03x10 ⁻²	-2.63	XYLT1	xylosyltransferase 1
A_23_P52198	1.63x10 ⁻⁵	-2.64	MPP7	membrane palmitoylated protein 7
A_23_P116371	6.04x10 ⁻³	-2.64	MS4A1	membrane spanning 4-domains A1
A_23_P26511	3.03x10 ⁻²	-2.64	GDPD3	glycerophosphodiester phosphodiesterase domain containing 3
A_23_P53198	4.09x10 ⁻²	-2.64	DGAT2	diacylglycerol O-acyltransferase 2
A_24_P396702	1.50x10 ⁻⁵	-2.65	CD302	CD302 molecule
A_32_P134968	4.81x10 ⁻⁴	-2.65	SPTB	spectrin βerythrocytic
A_23_P415154	5.91x10 ⁻⁴	-2.65	PDZRN4	PDZ domain containing ring finger 4
A_24_P367079	5.25x10 ⁻³	-2.65	SFTA2	surfactant associated 2
A_23_P92517	2.78x10 ⁻⁴	-2.66	TTC29	tetratricopeptide repeat domain 29
A_23_P380951	3.62x10 ⁻⁴	-2.66	ZNF420	zinc finger protein 420
A_23_P51518	6.48x10 ⁻⁴	-2.66	RGS5	regulator of G-protein signaling 5
A_24_P920880	1.90x10 ⁻³	-2.66	ZSCAN18	zinc finger and SCAN domain containing 18
A_23_P51499	2.07x10 ⁻³	-2.66	PRELP	proline and arginine rich end leucine rich repeat protein
A_32_P372878	2.25x10 ⁻³	-2.66	SLCO5A1	solute carrier organic anion transporter family member 5A1
A_23_P34376	6.74x10 ⁻³	-2.66	TCEA3	transcription elongation factor A3
A_23_P63167	1.34x10 ⁻²	-2.66	CD1A	CD1a molecule
A_23_P257296	2.68x10 ⁻²	-2.66	TFF3	trefoil factor 3
A_23_P89799	2.76x10 ⁻⁶	-2.67	ACAA2	acetyl-CoA acyltransferase 2
A_24_P373475	2.78x10 ⁻⁴	-2.67	ASPA	aspartoacylase
A_23_P153897	8.05x10 ⁻⁴	-2.67	GNG7	G protein subunit γ7
A_23_P433760	2.75x10 ⁻³	-2.67	SPN	sialophorin
A_32_P140139	3.27x10 ⁻³	-2.67	F13A1	coagulation factor XIII A chain
A_23_P434118	1.23x10 ⁻²	-2.67	CEACAM1	carcinoembryonic antigen related cell adhesion molecule 1
A_23_P301051	1.84x10 ⁻²	-2.67	PAIP2B	poly(A) binding protein interacting protein 2B
A_23_P106405	9.10x10 ⁻⁵	-2.68	NDN	necdin MAGE family member
A_24_P706340	2.17x10 ⁻³	-2.68	FAM155A	family with sequence similarity 155 member A
A_23_P6980	4.97x10 ⁻³	-2.68	ZNF717	zinc finger protein 717
A_23_P8253	7.92x10 ⁻³	-2.68	RAET1E	retinoic acid early transcript 1E

A_24_P273647	1.98x10 ⁻²	-2.68	BICDL2	BICD family like cargo adaptor 2
A_24_P341674	2.71x10 ⁻⁴	-2.69	DIO2	deiodinase iodothyronine type II
A_23_P17130	8.00x10 ⁻⁴	-2.69	C2orf88	chromosome 2 open reading frame 88
A_23_P18539	8.53x10 ⁻⁴	-2.69	MMRN1	multimerin 1
A_23_P130509	1.80x10 ⁻³	-2.69	ZNF229	zinc finger protein 229
A_24_P180849	4.62x10 ⁻³	-2.69	BSPRY	B-box and SPRY domain containing
A_24_P177844	9.41x10 ⁻³	-2.69	LOC102724760	immunoglobulin heavy variable 1
A_24_P343621	1.25x10 ⁻²	-2.69	ECHDC3	enoyl-CoA hydratase domain containing 3
A_23_P160214	3.89x10 ⁻²	-2.69	TTC39A	tetratricopeptide repeat domain 39A
A_24_P100301	1.16x10 ⁻³	-2.70	GIPC2	GIPC PDZ domain containing family member 2
A_23_P19624	5.32x10 ⁻³	-2.70	BMP6	bone morphogenetic protein 6
A_23_P162211	1.12x10 ⁻²	-2.70	MANSC1	MANSC domain containing 1
A_23_P148949	2.36x10 ⁻²	-2.70	SPRR2E	small proline rich protein 2E
A_24_P85850	2.38x10 ⁻²	-2.70	BNIP1	BCL2 interacting protein like
A_23_P18447	3.33x10 ⁻²	-2.70	PPARGC1A	PPARG coactivator 1 α
A_23_P91414	2.02x10 ⁻³	-2.71	CCM2L	CCM2 like scaffolding protein
A_24_P291278	3.10x10 ⁻³	-2.71	LAX1	lymphocyte transmembrane adaptor 1
A_23_P155596	4.16x10 ⁻³	-2.71	FMO3	flavin containing monooxygenase 3
A_23_P89871	2.18x10 ⁻⁵	-2.72	ZNF415	zinc finger protein 415
A_23_P152262	9.67x10 ⁻⁵	-2.72	DPEP1	dipeptidase 1 (renal)
A_32_P47166	2.32x10 ⁻⁴	-2.72	HBB	hemoglobin subunit β
A_24_P310224	3.92x10 ⁻⁴	-2.72	ZNF347	zinc finger protein 347
A_24_P150068	9.02x10 ⁻⁴	-2.72	HTR3A	5-hydroxytryptamine receptor 3A
A_23_P157914	3.59x10 ⁻³	-2.72	MAMDC2	MAM domain containing 2
A_23_P85015	3.66x10 ⁻³	-2.72	MAOB	monoamine oxidase B
A_23_P87709	8.09x10 ⁻³	-2.72	PLBD1	phospholipase B domain containing 1
A_24_P607880	8.44x10 ⁻³	-2.72	IPW	imprinted in Prader-Willi syndrome (non-protein coding)
A_23_P15889	9.67x10 ⁻³	-2.72	CBLN2	cerebellin 2 precursor
A_24_P289795	1.09x10 ⁻²	-2.72	LINC00302	long intergenic non-protein coding RNA 302
A_24_P110503	1.33x10 ⁻⁴	-2.73	DBX2	developing brain homeobox 2
A_23_P102331	1.83x10 ⁻⁴	-2.73	SCN7A	sodium voltage-gated channel α subunit 7

A_32_P70818	3.16x10 ⁻³	-2.73	PAX9	paired box 9
A_23_P103703	3.22x10 ⁻³	-2.73	HSPB7	heat shock protein family B (small) member 7
A_23_P26024	3.80x10 ⁻³	-2.73	C15orf48	chromosome 15 open reading frame 48
A_23_P34478	3.93x10 ⁻³	-2.73	GIPC2	GIPC PDZ domain containing family member 2
A_23_P64873	4.88x10 ⁻³	-2.73	DCN	decorin
A_23_P253536	6.98x10 ⁻³	-2.73	NPR3	natriuretic peptide receptor 3
A_24_P228302	1.47x10 ⁻²	-2.73	CEACAM7	carcinoembryonic antigen related cell adhesion molecule 7
A_24_P357465	7.65x10 ⁻⁴	-2.74	TP53INP2	tumor protein p53 inducible nuclear protein 2
A_24_P595567	1.38x10 ⁻³	-2.74	GMDS-AS1	GMDS antisense RNA 1 (head to head)
A_23_P366559	6.71x10 ⁻³	-2.74	DENND5B	DENN domain containing 5B
A_24_P14776	2.04x10 ⁻²	-2.74	SYTL5	synaptotagmin like 5
A_23_P69941	1.08x10 ⁻⁴	-2.75	EPB41L4A-AS2	EPB41L4A antisense RNA 2 (head to head)
A_23_P109427	1.91x10 ⁻⁴	-2.75	GSTT2	glutathione S-transferase θ 2 (gene)
A_23_P333683	3.40x10 ⁻⁴	-2.75	IGSF10	immunoglobulin superfamily member 10
A_32_P108870	6.01x10 ⁻⁴	-2.75	PMP2	peripheral myelin protein 2
A_23_P159027	1.47x10 ⁻³	-2.75	ZNF521	zinc finger protein 521
A_23_P418006	2.34x10 ⁻³	-2.75	LCE2A	late cornified envelope 2A
A_24_P120734	9.87x10 ⁻³	-2.75	LINC00525	long intergenic non-protein coding RNA 525
A_23_P393099	2.06x10 ⁻²	-2.75	TFF3	trefoil factor 3
A_23_P15450	1.68x10 ⁻⁴	-2.76	TMEM100	transmembrane protein 100
A_24_P272313	1.97x10 ⁻⁴	-2.76	KIAA1211L	KIAA1211 like
A_23_P257763	2.23x10 ⁻⁴	-2.76	BOC	BOC cell adhesion associated oncogene regulated
A_24_P500422	7.38x10 ⁻⁴	-2.76	LOC730101	uncharacterized LOC730101
A_23_P10356	2.62x10 ⁻³	-2.76	ADAM28	ADAM metallopeptidase domain 28
A_24_P191781	7.77x10 ⁻⁵	-2.77	PARM1	prostate androgen-regulated mucin-like protein 1
A_23_P65278	1.06x10 ⁻³	-2.77	NBEA	neurobeachin
A_24_P334300	1.73x10 ⁻³	-2.77	FGF12	fibroblast growth factor 12
A_32_P218785	5.99x10 ⁻³	-2.77	LOC107161159	uncharacterized LOC107161159
A_23_P335190	1.45x10 ⁻²	-2.77	CYP2R1	cytochrome P450 family 2 subfamily R member 1
A_23_P134734	1.77x10 ⁻²	-2.77	SYBU	syntabulin
A_23_P153676	1.38x10 ⁻⁶	-2.78	TLE2	transducin like enhancer of split 2
A_23_P90542	6.57x10 ⁻⁵	-2.78	ZNF540	zinc finger protein 540

A_23_P166616	1.19x10 ⁻⁴	-2.78	AGTR1	angiotensin II receptor type 1
A_24_P327886	8.45x10 ⁻³	-2.78	TCEA3	transcription elongation factor A3
A_23_P216023	1.49x10 ⁻⁵	-2.79	ANGPT1	angiopoietin 1
A_23_P254165	4.62x10 ⁻⁵	-2.79	RAI2	retinoic acid induced 2
A_23_P421811	9.28x10 ⁻⁵	-2.79	MROH8	maestro heat like repeat family member 8
A_24_P375482	1.86x10 ⁻⁴	-2.79	TNFAIP8L3	TNF α induced protein 8 like 3
A_23_P3643	1.72x10 ⁻²	-2.79	DNASE1L2	deoxyribonuclease 1 like 2
A_23_P13548	3.57x10 ⁻²	-2.79	CHRDL2	chordin like 2
A_23_P72001	1.66x10 ⁻⁴	-2.80	PHYHD1	phytanoyl-CoA dioxygenase domain containing 1
A_23_P252556	4.40x10 ⁻⁴	-2.80	ADGRB3	adhesion G protein-coupled receptor B3
A_23_P326474	2.89x10 ⁻³	-2.80	L3MBTL4	l(3)mbt-like 4 (Drosophila)
A_23_P369994	7.00x10 ⁻³	-2.80	DCLK1	doublecortin like kinase 1
A_23_P360316	1.83x10 ⁻²	-2.80	FUT3	fucosyltransferase 3 (Lewis blood group)
A_24_P146683	1.92x10 ⁻²	-2.80	MSMB	microseminoprotein β
A_23_P110412	7.77x10 ⁻⁵	-2.81	TMEM150C	transmembrane protein 150C
A_23_P156505	2.00x10 ⁻⁴	-2.81	IRF4	interferon regulatory factor 4
A_23_P139965	2.50x10 ⁻⁴	-2.81	SERP2	stress-associated endoplasmic reticulum protein family member 2
A_23_P253484	1.63x10 ⁻³	-2.81	AADAT	aminoadipate aminotransferase
A_24_P355626	1.34x10 ⁻²	-2.81	ABCG4	ATP binding cassette subfamily G member 4
A_23_P138655	2.12x10 ⁻²	-2.81	CYP26A1	cytochrome P450 family 26 subfamily A member 1
A_23_P127495	2.50x10 ⁻²	-2.81	BBOX1	γ -butyrobetaine hydroxylase 1
A_23_P143178	5.78x10 ⁻⁵	-2.82	LBP	lipopolysaccharide binding protein
A_23_P56433	4.48x10 ⁻⁴	-2.82	C2orf40	chromosome 2 open reading frame 40
A_32_P59673	7.33x10 ⁻⁴	-2.82	FAM221A	family with sequence similarity 221 member A
A_23_P34644	1.58x10 ⁻³	-2.82	FCGR2B	Fc fragment of IgG receptor IIb
A_24_P35537	1.83x10 ⁻³	-2.82	RIC3	RIC3 acetylcholine receptor chaperone
A_23_P357571	2.13x10 ⁻³	-2.82	GSTT2	glutathione S-transferase θ 2 (gene)
A_24_P326491	2.17x10 ⁻³	-2.82	MKX	mohawk homeobox
A_24_P60887	2.40x10 ⁻³	-2.82	ANGPT1	angiopoietin 1
A_24_P64241	6.26x10 ⁻³	-2.82	ANKRD20A2	ankyrin repeat domain 20 family member A2
A_23_P500741	1.64x10 ⁻⁵	-2.83	CBFA2T3	CBFA2

A_24_P93316	2.83x10 ⁻⁵	-2.83	BMS1P20	BMS1 ribosome biogenesis factor pseudogene 20
A_23_P382065	9.87x10 ⁻⁴	-2.83	EMCN	endomucin
A_23_P99442	1.77x10 ⁻³	-2.83	FLT3	fms related tyrosine kinase 3
A_23_P211727	2.90x10 ⁻³	-2.83	FGF12	fibroblast growth factor 12
A_23_P259094	4.06x10 ⁻³	-2.83	ZSCAN16	zinc finger and SCAN domain containing 16
A_23_P128323	1.12x10 ⁻²	-2.83	SCNN1A	sodium channel epithelial 1 α subunit
A_23_P214408	4.68x10 ⁻²	-2.83	UNC93A	unc-93 homolog A (C. elegans)
A_23_P52888	2.32x10 ⁻⁵	-2.84	MPPED2	metallophosphoesterase domain containing 2
A_23_P201160	7.61x10 ⁻⁴	-2.84	CD1E	CD1e molecule
A_23_P62953	4.95x10 ⁻³	-2.84	PBX1	PBX homeobox 1
A_32_P183970	2.08x10 ⁻²	-2.84	C15orf62	chromosome 15 open reading frame 62
A_32_P183718	3.09x10 ⁻²	-2.84	SP5	Sp5 transcription factor
A_23_P434430	1.66x10 ⁻⁴	-2.85	ZNF439	zinc finger protein 439
A_23_P396800	3.52x10 ⁻⁴	-2.85	NEGR1	neuronal growth regulator 1
A_23_P421011	6.38x10 ⁻⁴	-2.85	KAZALD1	Kazal type serine peptidase inhibitor domain 1
A_23_P6818	2.06x10 ⁻³	-2.85	SEMA3G	semaphorin 3G
A_23_P51690	2.80x10 ⁻³	-2.85	RHBG	Rh family B glycoprotein (gene)
A_23_P56734	3.19x10 ⁻⁵	-2.86	HNMT	histamine N-methyltransferase
A_23_P48740	1.21x10 ⁻⁴	-2.86	DIO2	deiodinase iodothyronine type II
A_23_P19894	1.70x10 ⁻⁴	-2.86	AQP1	aquaporin 1 (Colton blood group)
A_23_P40761	7.09x10 ⁻⁴	-2.86	SLC51A	solute carrier family 51 α subunit
A_24_P71468	1.19x10 ⁻³	-2.86	QPCT	glutaminy-peptide cyclotransferase
A_32_P136269	1.44x10 ⁻³	-2.86	NSUN7	NOP2
A_23_P71170	2.93x10 ⁻³	-2.86	TRPV6	transient receptor potential cation channel subfamily V member 6
A_23_P108280	7.31x10 ⁻³	-2.86	CYP4F12	cytochrome P450 family 4 subfamily F member 12
A_23_P4161	3.11x10 ⁻⁶	-2.87	ARSG	arylsulfatase G
A_23_P407206	7.27x10 ⁻⁴	-2.87	CLN8	ceroid-lipofuscinosis neuronal 8
A_23_P60166	1.83x10 ⁻⁴	-2.88	DEPTOR	DEP domain containing MTOR-interacting protein
A_23_P86021	4.42x10 ⁻⁴	-2.88	SELENBP1	selenium binding protein 1
A_23_P304304	4.67x10 ⁻⁴	-2.88	ARSF	arylsulfatase F
A_23_P111525	6.57x10 ⁻⁵	-2.89	BHLHA15	basic helix-loop-helix family member a15
A_32_P152767	1.03x10 ⁻³	-2.89	SKIDA1	SKI

A_32_P15544	1.52x10 ⁻³	-2.89	PRIMA1	proline rich membrane anchor 1
A_23_P10980	8.05x10 ⁻³	-2.89	ADGRL3	adhesion G protein-coupled receptor L3
A_24_P240187	1.44x10 ⁻⁴	-2.90	LRRN1	leucine rich repeat neuronal 1
A_23_P104741	3.76x10 ⁻⁴	-2.90	KIRREL3	kin of IRRE like 3 (Drosophila)
A_24_P273738	2.96x10 ⁻³	-2.90	TTC9	tetratricopeptide repeat domain 9
A_23_P58407	3.45x10 ⁻³	-2.90	UGT2B15	UDP glucuronosyltransferase family 2 member B15
A_23_P383258	6.96x10 ⁻³	-2.90	GDA	guanine deaminase
A_24_P304419	9.47x10 ⁻³	-2.90	IGF1	insulin like growth factor 1
A_24_P281497	9.79x10 ⁻³	-2.90	ACAP3	ArfGAP with coiled-coil ankyrin repeat and PH domains 3
A_23_P250102	4.15x10 ⁻⁵	-2.91	CAND2	cullin associated and neddylation dissociated 2 (putative)
A_32_P184448	1.02x10 ⁻⁴	-2.91	CCDC178	coiled-coil domain containing 178
A_23_P382811	6.96x10 ⁻⁴	-2.91	SNX31	sorting nexin 31
A_23_P253734	1.00x10 ⁻⁵	-2.92	CLN8	ceroid-lipofuscinosis neuronal 8
A_24_P56310	4.74x10 ⁻⁵	-2.92	TNFRSF19	TNF receptor superfamily member 19
A_24_P658584	3.61x10 ⁻⁴	-2.92	SASH1	SAM and SH3 domain containing 1
A_23_P69863	3.31x10 ⁻³	-2.92	PCDHB5	protocadherin β5
A_24_P388528	7.65x10 ⁻⁴	-2.93	ST6GAL1	ST6 β-galactoside α-2,6-sialyltransferase 1
A_23_P19778	7.69x10 ⁻⁴	-2.93	SLC13A4	solute carrier family 13 member 4
A_23_P101759	9.95x10 ⁻⁴	-2.93	FUT5	fucosyltransferase 5
A_32_P100830	3.56x10 ⁻³	-2.93	KIF19	kinesin family member 19
A_32_P199551	2.30x10 ⁻²	-2.93	SPTSSB	serine palmitoyltransferase small subunit B
A_32_P378821	1.94x10 ⁻⁵	-2.94	C5orf66	chromosome 5 open reading frame 66
A_23_P102950	3.66x10 ⁻³	-2.94	RSPH1	radial spoke head 1 homolog
A_24_P229536	7.15x10 ⁻³	-2.94	MIR99AHG	mir-99a-let-7c cluster host gene
A_24_P146188	8.07x10 ⁻⁴	-2.95	ANKRD6	ankyrin repeat domain 6
A_23_P111724	8.88x10 ⁻⁴	-2.95	RUNDC3B	RUN domain containing 3B
A_23_P29124	1.97x10 ⁻³	-2.95	GP1BB	glycoprotein Ib platelet βsubunit
A_32_P515920	1.40x10 ⁻²	-2.95	LINC00675	long intergenic non-protein coding RNA 675
A_23_P105691	7.03x10 ⁻⁴	-2.96	GPRC5D	G protein-coupled receptor class C group 5 member D
A_23_P162579	4.47x10 ⁻²	-2.96	HSPB8	heat shock protein family B (small) member 8
A_23_P100386	8.23x10 ⁻⁷	-2.97	IL34	interleukin 34

A_23_P110253	3.69x10 ⁻⁵	-2.97	KIT	KIT proto-oncogene receptor tyrosine kinase
A_23_P253495	1.56x10 ⁻²	-2.97	GSTA3	glutathione S-transferase α 3
A_23_P333029	4.96x10 ⁻²	-2.97	ERICH5	glutamate rich 5
A_23_P360804	5.88x10 ⁻⁵	-2.98	CPNE5	copine 5
A_23_P157875	2.50x10 ⁻⁴	-2.98	FCN1	ficolin 1
A_24_P37589	7.21x10 ⁻³	-2.98	ACPP	acid phosphatase prostate
A_23_P23705	1.52x10 ⁻⁵	-2.99	SPATA6	spermatogenesis associated 6
A_24_P293698	1.98x10 ⁻⁵	-2.99	RSPO1	R-spondin 1
A_23_P115161	1.25x10 ⁻³	-2.99	ACKR1	atypical chemokine receptor 1 (Duffy blood group)
A_24_P244800	9.67x10 ⁻³	-2.99	NDRG2	NDRG family member 2
A_23_P116173	1.89x10 ⁻²	-2.99	COLCA2	colorectal cancer associated 2
A_32_P80741	1.15x10 ⁻⁴	-3.01	C8orf22	chromosome 8 open reading frame 22
A_24_P944054	2.05x10 ⁻⁴	-3.01	CXCL12	C-X-C motif chemokine ligand 12
A_23_P69100	1.83x10 ⁻³	-3.01	ARHGEF26	Rho guanine nucleotide exchange factor 26
A_23_P215009	2.52x10 ⁻²	-3.01	FAM65B	family with sequence similarity 65 member B
A_23_P45324	7.78x10 ⁻⁶	-3.02	TMEM35A	transmembrane protein 35A
A_24_P400324	1.15x10 ⁻³	-3.02	THSD7A	thrombospondin type 1 domain containing 7A
A_23_P131825	1.59x10 ⁻²	-3.02	TNNC2	troponin C2 fast skeletal type
A_23_P140748	1.64x10 ⁻²	-3.02	NDRG4	NDRG family member 4
A_23_P132738	8.93x10 ⁻⁶	-3.03	CRYGS	crystallin γ S
A_23_P121926	2.75x10 ⁻³	-3.03	SEPP1	selenoprotein P plasma 1
A_24_P276576	4.79x10 ⁻³	-3.03	FCRLA	Fc receptor like A
A_24_P289208	5.92x10 ⁻³	-3.03	TFF3	trefoil factor 3
A_24_P895836	3.14x10 ⁻²	-3.03	LOC105379426	ankyrin repeat domain-containing protein 20A2
A_23_P108342	8.36x10 ⁻⁴	-3.04	ZNF571	zinc finger protein 571
A_23_P106906	9.19x10 ⁻⁴	-3.04	PPL	periplakin
A_23_P126167	1.21x10 ⁻³	-3.04	KCNN3	potassium calcium-activated channel subfamily N member 3
A_32_P109653	4.05x10 ⁻⁴	-3.05	SNCA	synuclein α
A_32_P69849	1.31x10 ⁻³	-3.05	BEX5	brain expressed X-linked 5
A_23_P34375	1.10x10 ⁻²	-3.05	TCEA3	transcription elongation factor A3
A_23_P31996	2.40x10 ⁻⁵	-3.06	SLC46A2	solute carrier family 46 member 2

A_23_P170534	4.91x10 ⁻⁴	-3.06	FUT7	fucosyltransferase 7
A_32_P429876	4.16x10 ⁻³	-3.07	PPM1L	protein phosphatase Mg ²⁺
A_23_P79968	1.24x10 ⁻⁴	-3.08	PCSK2	proprotein convertase subtilisin
A_23_P14673	9.83x10 ⁻⁴	-3.08	IGDCC4	immunoglobulin superfamily DCC subclass member 4
A_24_P211842	1.14x10 ⁻³	-3.08	FADS6	fatty acid desaturase 6
A_23_P372962	1.80x10 ⁻³	-3.08	A2ML1	α-2-macroglobulin like 1
A_24_P395610	2.23x10 ⁻⁶	-3.09	GAS7	growth arrest specific 7
A_32_P210168	2.07x10 ⁻⁴	-3.09	C15orf59	chromosome 15 open reading frame 59
A_32_P159234	3.09x10 ⁻⁴	-3.09	KIAA1456	KIAA1456
A_23_P118122	5.12x10 ⁻⁴	-3.09	RGS11	regulator of G-protein signaling 11
A_24_P414205	3.73x10 ⁻⁶	-3.10	CRYGS	crystallin γS
A_23_P120667	9.28x10 ⁻⁵	-3.10	JAM2	junctional adhesion molecule 2
A_23_P343382	3.53x10 ⁻⁴	-3.10	GPRIN2	G protein regulated inducer of neurite outgrowth 2
A_24_P331704	2.15x10 ⁻²	-3.10	KRT80	keratin 80
A_24_P827037	2.61x10 ⁻²	-3.10	LRRC15	leucine rich repeat containing 15
A_23_P217297	5.88x10 ⁻⁵	-3.11	ZNF711	zinc finger protein 711
A_23_P416965	1.07x10 ⁻⁴	-3.11	FAM149A	family with sequence similarity 149 member A
A_32_P134007	1.73x10 ⁻⁴	-3.11	XKR4	XK related 4
A_23_P18017	3.75x10 ⁻³	-3.11	CPA3	carboxypeptidase A3
A_23_P42282	4.69x10 ⁻³	-3.11	C4B	complement component 4B (Chido blood group)
A_23_P4628	1.27x10 ⁻³	-3.12	ZNF606	zinc finger protein 606
A_24_P347624	3.76x10 ⁻³	-3.12	SNURF	SNRPN upstream reading frame
A_24_P400172	4.16x10 ⁻³	-3.12	LOC100130691	uncharacterized LOC100130691
A_32_P167076	2.41x10 ⁻²	-3.12	CAPN14	calpain 14
A_23_P108216	1.94x10 ⁻⁵	-3.13	FXYD1	FXYD domain containing ion transport regulator 1
A_23_P112452	2.21x10 ⁻⁵	-3.13	GGTA1P	glycoprotein α-galactosyltransferase 1 pseudogene
A_24_P170717	8.25x10 ⁻⁴	-3.13	SSC5D	scavenger receptor cysteine rich family member with 5 domains
A_23_P14508	1.56x10 ⁻³	-3.13	TTC9	tetratricopeptide repeat domain 9
A_23_P252062	2.13x10 ⁻³	-3.13	PPARG	peroxisome proliferator activated receptor γ
A_23_P129144	3.07x10 ⁻³	-3.13	MYZAP	myocardial zonula adherens protein
A_32_P133072	4.62x10 ⁻³	-3.13	SPON1	spondin 1

A_23_P98002	1.03x10 ⁻²	-3.13	CYP2E1	cytochrome P450 family 2 subfamily E member 1
A_32_P171923	2.94x10 ⁻³	-3.14	MACC1	metastasis associated in colon cancer 1
A_23_P211522	1.47x10 ⁻⁴	-3.15	SYNGR1	synaptogyrin 1
A_24_P149248	2.90x10 ⁻⁴	-3.15	SFTA2	surfactant associated 2
A_23_P215459	6.69x10 ⁻⁴	-3.15	ELN	elastin
A_23_P77066	2.01x10 ⁻³	-3.15	SNRPN	small nuclear ribonucleoprotein polypeptide N
A_23_P135417	2.90x10 ⁻²	-3.15	GSTA1	glutathione S-transferase α 1
A_24_P245838	2.80x10 ⁻⁵	-3.16	MGAT3	mannosyl (β -1,4-)-glycoprotein β -1,4-N-acetylglucosaminyltransferase
A_24_P697685	1.45x10 ⁻⁴	-3.16	ESYT3	extended synaptotagmin 3
A_23_P115726	1.21x10 ⁻²	-3.16	SLC16A9	solute carrier family 16 member 9
A_23_P113111	1.98x10 ⁻⁵	-3.17	AR	androgen receptor
A_23_P86587	1.54x10 ⁻⁴	-3.17	NKX6-2	NK6 homeobox 2
A_23_P45304	4.31x10 ⁻⁴	-3.17	XK	X-linked Kx blood group
A_23_P144778	2.28x10 ⁻³	-3.17	CKMT2	creatine kinase mitochondrial 2
A_32_P7721	8.40x10 ⁻⁶	-3.19	RORA	RAR related orphan receptor A
A_23_P207201	4.14x10 ⁻⁵	-3.19	CD79B	CD79b molecule
A_24_P355464	5.06x10 ⁻⁵	-3.19	GDF10	growth differentiation factor 10
A_23_P70387	7.44x10 ⁻⁴	-3.19	APOBEC2	apolipoprotein B mRNA editing enzyme catalytic subunit 2
A_23_P111583	7.52x10 ⁻⁴	-3.19	CD36	CD36 molecule
A_23_P115261	1.03x10 ⁻³	-3.19	AGT	angiotensinogen
A_32_P163894	3.32x10 ⁻⁶	-3.20	NRG2	neuregulin 2
A_23_P128447	1.83x10 ⁻⁵	-3.20	LRRK2	leucine rich repeat kinase 2
A_23_P130333	1.14x10 ⁻⁴	-3.20	TTR	transthyretin
A_32_P125338	1.34x10 ⁻⁴	-3.20	FAM43B	family with sequence similarity 43 member B
A_24_P350786	3.61x10 ⁻⁴	-3.20	ESYT3	extended synaptotagmin 3
A_23_P127426	2.58x10 ⁻³	-3.20	TM7SF2	transmembrane 7 superfamily member 2
A_23_P87007	1.75x10 ⁻⁵	-3.21	HTR3B	5-hydroxytryptamine receptor 3B
A_23_P36621	2.91x10 ⁻⁵	-3.21	GYS2	glycogen synthase 2
A_32_P59010	2.64x10 ⁻⁴	-3.21	TNFAIP8L3	TNF α induced protein 8 like 3
A_32_P419502	3.31x10 ⁻⁴	-3.21	BPIFC	BPI fold containing family C
A_23_P253738	9.47x10 ⁻⁷	-3.22	CLN8	ceroid-lipofuscinosis neuronal 8

A_32_P59678	1.65x10 ⁻⁵	-3.22	FAM221A	family with sequence similarity 221 member A
A_24_P120907	6.57x10 ⁻⁵	-3.22	PGM5	phosphoglucomutase 5
A_23_P415652	1.86x10 ⁻²	-3.22	GALNT12	polypeptide N-acetylgalactosaminyltransferase 12
A_23_P30294	1.36x10 ⁻⁵	-3.23	CDO1	cysteine dioxygenase type 1
A_32_P43717	4.46x10 ⁻⁵	-3.23	FAM189A2	family with sequence similarity 189 member A2
A_23_P72411	2.88x10 ⁻³	-3.23	CYP4X1	cytochrome P450 family 4 subfamily X member 1
A_23_P300033	4.16x10 ⁻³	-3.23	PDGFRA	platelet derived growth factor receptor α
A_23_P340218	9.47x10 ⁻³	-3.23	MFSD6L	major facilitator superfamily domain containing 6 like
A_32_P33114	3.19x10 ⁻⁶	-3.24	KLB	klotho β
A_32_P38989	2.97x10 ⁻⁵	-3.24	CXCR2P1	C-X-C motif chemokine receptor 2 pseudogene 1
A_24_P944588	7.95x10 ⁻⁵	-3.24	ZNF682	zinc finger protein 682
A_32_P220463	1.60x10 ⁻⁴	-3.24	FBLL1	fibrillar-like 1
A_23_P46039	5.99x10 ⁻³	-3.24	FCRLA	Fc receptor like A
A_23_P46045	3.76x10 ⁻⁴	-3.25	RGS5	regulator of G-protein signaling 5
A_24_P385732	4.71x10 ⁻⁴	-3.25	SLC51A	solute carrier family 51 α subunit
A_23_P407565	8.10x10 ⁻⁵	-3.26	CX3CR1	C-X3-C motif chemokine receptor 1
A_24_P7121	1.06x10 ⁻⁴	-3.26	NSUN7	NOP2
A_23_P216468	9.30x10 ⁻³	-3.26	SLC1A1	solute carrier family 1 member 1
A_24_P408736	1.20x10 ⁻²	-3.26	GALNT5	polypeptide N-acetylgalactosaminyltransferase 5
A_24_P20327	4.82x10 ⁻⁵	-3.27	KLF15	Kruppel like factor 15
A_32_P190303	2.20x10 ⁻⁴	-3.27	LONRF2	LON peptidase N-terminal domain and ring finger 2
A_24_P376848	6.46x10 ⁻⁴	-3.27	FCRL5	Fc receptor like 5
A_32_P45351	3.81x10 ⁻⁶	-3.28	ZNF471	zinc finger protein 471
A_32_P179177	2.11x10 ⁻⁵	-3.28	SYT15	synaptotagmin 15
A_23_P48088	1.69x10 ⁻⁴	-3.28	CD27	CD27 molecule
A_23_P37702	1.37x10 ⁻²	-3.28	TPSAB1	tryptase α
A_24_P926783	1.12x10 ⁻⁴	-3.29	ZNF880	zinc finger protein 880
A_23_P392470	4.27x10 ⁻⁴	-3.29	NR3C2	nuclear receptor subfamily 3 group C member 2
A_24_P602871	1.06x10 ⁻³	-3.29	SAMD5	sterile α motif domain containing 5
A_23_P72697	2.40x10 ⁻³	-3.29	GPIHBP1	glycosylphosphatidylinositol anchored high density lipoprotein binding protein 1
A_24_P165423	2.83x10 ⁻³	-3.29	RBP7	retinol binding protein 7

A_23_P167168	5.32x10 ⁻³	-3.29	JCHAIN	joining chain of multimeric IgA and IgM
A_32_P460399	7.45x10 ⁻³	-3.29	LRPAP1	LDL receptor related protein associated protein 1
A_23_P16834	3.29x10 ⁻⁶	-3.30	FNDC4	fibronectin type III domain containing 4
A_24_P124349	3.88x10 ⁻⁵	-3.30	PDGFD	platelet derived growth factor D
A_23_P171074	3.30x10 ⁻⁴	-3.30	ITM2A	integral membrane protein 2A
A_23_P146855	2.34x10 ⁻³	-3.30	MPPED1	metallophosphoesterase domain containing 1
A_23_P53057	5.94x10 ⁻³	-3.30	ZNF215	zinc finger protein 215
A_23_P130906	4.04x10 ⁻⁴	-3.31	TEX101	testis expressed 101
A_24_P868583	4.70x10 ⁻⁴	-3.31	ANKRD20A2	ankyrin repeat domain 20 family member A2
A_23_P127033	3.42x10 ⁻³	-3.31	ECHDC3	enoyl-CoA hydratase domain containing 3
A_23_P311901	5.04x10 ⁻³	-3.31	ATP10B	ATPase phospholipid transporting 10B (putative)
A_24_P374759	1.58x10 ⁻⁴	-3.32	ERC2	ELKS
A_23_P9711	3.05x10 ⁻⁴	-3.32	HS3ST4	heparan sulfate-glucosamine 3-sulfotransferase 4
A_23_P349406	4.36x10 ⁻⁴	-3.32	RIMKLA	ribosomal modification protein rimK like family member A
A_32_P34844	4.41x10 ⁻⁴	-3.32	ADAMTS18	ADAM metallopeptidase with thrombospondin type 1 motif 18
A_23_P434398	9.79x10 ⁻⁴	-3.32	TXLNB	taxilin β
A_23_P23834	8.83x10 ⁻³	-3.32	LGR6	leucine rich repeat containing G protein-coupled receptor 6
A_24_P269527	1.97x10 ⁻²	-3.32	SLURP1	secreted LY6
A_24_P38316	3.27x10 ⁻²	-3.32	FOXP2	forkhead box P2
A_23_P211543	4.25x10 ⁻⁶	-3.33	MCHR1	melanin concentrating hormone receptor 1
A_24_P398147	8.57x10 ⁻³	-3.33	NEBL	nebullette
A_23_P392529	1.29x10 ⁻²	-3.33	ANKRD20A11P	ankyrin repeat domain 20 family member A11 pseudogene
A_32_P213521	6.58x10 ⁻⁵	-3.34	EMCN	endomucin
A_23_P56578	3.93x10 ⁻⁴	-3.35	VIT	vitrin
A_24_P113926	5.28x10 ⁻⁴	-3.35	DPT	dermatopontin
A_23_P137046	5.78x10 ⁻⁵	-3.36	NYX	nyctalopin
A_24_P254789	2.99x10 ⁻⁴	-3.36	COL14A1	collagen type XIV α 1 chain
A_23_P92222	1.12x10 ⁻²	-3.36	MUC20	mucin 20 cell surface associated
A_23_P201808	3.73x10 ⁻⁶	-3.37	PLPP3	phospholipid phosphatase 3
A_24_P355006	3.30x10 ⁻⁵	-3.37	ADAM22	ADAM metallopeptidase domain 22
A_24_P686247	1.99x10 ⁻³	-3.37	OCLN	occludin
A_32_P310335	1.57x10 ⁻⁴	-3.38	JAM2	junctional adhesion molecule 2

A_23_P140384	4.36x10 ⁻³	-3.38	CTSG	cathepsin G
A_32_P214665	2.46x10 ⁻²	-3.38	PCP4L1	Purkinje cell protein 4 like 1
A_24_P97342	5.13x10 ⁻⁴	-3.39	PROK2	prokineticin 2
A_23_P86100	3.05x10 ⁻³	-3.39	KLHDC9	kelch domain containing 9
A_24_P930088	4.79x10 ⁻⁵	-3.40	C1orf132	chromosome 1 open reading frame 132
A_23_P61487	6.05x10 ⁻⁵	-3.40	LRRC20	leucine rich repeat containing 20
A_23_P69497	9.77x10 ⁻⁵	-3.40	CLEC3B	C-type lectin domain family 3 member B
A_24_P184803	2.44x10 ⁻³	-3.40	COCH	cochlin
A_23_P207868	6.40x10 ⁻³	-3.40	KRTAP9-4	keratin associated protein 9-4
A_23_P93141	2.04x10 ⁻²	-3.40	GSTA5	glutathione S-transferase α 5
A_24_P353709	1.91x10 ⁻⁶	-3.41	B4GALT2	β -1,4-galactosyltransferase 2
A_23_P84860	1.33x10 ⁻⁵	-3.41	FAM107A	family with sequence similarity 107 member A
A_24_P206776	7.78x10 ⁻⁴	-3.41	CRYAB	crystallin α B
A_24_P259607	1.34x10 ⁻³	-3.41	SUSD4	sushi domain containing 4
A_23_P21618	1.02x10 ⁻⁴	-3.43	PDZRN3	PDZ domain containing ring finger 3
A_23_P119593	2.39x10 ⁻⁸	-3.44	EPHX3	epoxide hydrolase 3
A_23_P21485	4.49x10 ⁻⁶	-3.44	PID1	phosphotyrosine interaction domain containing 1
A_24_P925505	1.21x10 ⁻⁴	-3.44	CD36	CD36 molecule
A_24_P935893	1.22x10 ⁻⁴	-3.44	FAM46C	family with sequence similarity 46 member C
A_24_P671164	5.36x10 ⁻⁴	-3.44	PRLR	prolactin receptor
A_23_P216361	2.62x10 ⁻⁵	-3.45	COL14A1	collagen type XIV α 1 chain
A_24_P649282	1.33x10 ⁻³	-3.45	LUZP2	leucine zipper protein 2
A_32_P188953	9.58x10 ⁻³	-3.45	MIR99AHG	mir-99a-let-7c cluster host gene
A_32_P82863	8.97x10 ⁻⁶	-3.46	ZNF829	zinc finger protein 829
A_24_P791669	1.40x10 ⁻⁵	-3.46	ZNF879	zinc finger protein 879
A_23_P165783	4.35x10 ⁻⁵	-3.46	MLPH	melanophilin
A_24_P586712	6.78x10 ⁻⁴	-3.46	TPRG1	tumor protein p63 regulated 1
A_24_P184799	3.28x10 ⁻³	-3.46	COCH	cochlin
A_32_P75581	3.12x10 ⁻⁴	-3.47	BHLHE22	basic helix-loop-helix family member e22
A_23_P21758	2.76x10 ⁻³	-3.47	ADAM28	ADAM metallopeptidase domain 28
A_23_P325690	2.82x10 ⁻³	-3.47	ANKRD35	ankyrin repeat domain 35

A_23_P146134	2.89x10 ⁻⁴	-3.48	DUSP26	dual specificity phosphatase 26 (putative)
A_23_P85008	1.94x10 ⁻³	-3.48	MAOB	monoamine oxidase B
A_24_P39195	1.37x10 ⁻²	-3.48	OXGR1	oxoglutarate receptor 1
A_24_P731648	1.01x10 ⁻⁶	-3.49	SLC16A6	solute carrier family 16 member 6
A_23_P55682	1.58x10 ⁻⁶	-3.49	ZSCAN18	zinc finger and SCAN domain containing 18
A_23_P415021	2.50x10 ⁻⁶	-3.49	METTL7A	methyltransferase like 7A
A_23_P87346	2.94x10 ⁻⁶	-3.49	HBD	hemoglobin subunit δ
A_23_P209227	5.55x10 ⁻⁵	-3.49	CACNB4	calcium voltage-gated channel auxiliary subunit β 4
A_23_P10232	2.77x10 ⁻⁴	-3.49	BANK1	B-cell scaffold protein with ankyrin repeats 1
A_23_P101246	7.47x10 ⁻⁴	-3.49	VSIG10L	V-set and immunoglobulin domain containing 10 like
A_23_P212354	7.91x10 ⁻⁵	-3.50	CCR2	C-C motif chemokine receptor 2
A_23_P154115	1.34x10 ⁻³	-3.50	IGFBP5	insulin like growth factor binding protein 5
A_32_P193378	1.88x10 ⁻⁵	-3.51	PYGO1	pygopus family PHD finger 1
A_23_P302470	3.69x10 ⁻⁵	-3.51	SULT1B1	sulfotransferase family 1B member 1
A_32_P22654	5.51x10 ⁻⁴	-3.51	ALAS2	5'-aminolevulinic acid synthase 2
A_23_P105144	1.33x10 ⁻³	-3.51	SCUBE2	signal peptide CUB domain and EGF like domain containing 2
A_23_P73632	2.76x10 ⁻⁶	-3.54	NR0B1	nuclear receptor subfamily 0 group B member 1
A_23_P136777	3.69x10 ⁻⁵	-3.54	APOD	apolipoprotein D
A_23_P69537	5.36x10 ⁻⁴	-3.54	NMU	neuromedin U
A_23_P82065	8.32x10 ⁻⁴	-3.55	ELOVL4	ELOVL fatty acid elongase 4
A_23_P212263	1.49x10 ⁻²	-3.55	MASP1	mannan binding lectin serine peptidase 1
A_32_P101379	1.48x10 ⁻⁶	-3.56	TMEM132B	transmembrane protein 132B
A_23_P214244	2.98x10 ⁻⁶	-3.56	ENPP5	ectonucleotide pyrophosphatase
A_23_P31615	2.36x10 ⁻⁵	-3.56	PMP2	peripheral myelin protein 2
A_23_P500000	2.41x10 ⁻²	-3.56	SCEL	sciellin
A_23_P380309	1.59x10 ⁻⁵	-3.57	DYNAP	dynactin associated protein
A_23_P52227	7.58x10 ⁻⁵	-3.57	GDF10	growth differentiation factor 10
A_23_P204885	5.68x10 ⁻⁶	-3.58	PCDH20	protocadherin 20
A_23_P2233	3.19x10 ⁻⁹	-3.59	PMEL	premelanosome protein
A_24_P851353	1.09x10 ⁻⁵	-3.59	LOC100506388	uncharacterized LOC100506388
A_32_P11670	8.35x10 ⁻⁶	-3.60	THSD7A	thrombospondin type 1 domain containing 7A
A_24_P303127	8.69x10 ⁻⁶	-3.60	GAPT	GRB2-binding adaptor protein transmembrane

A_23_P165778	2.27x10 ⁻⁵	-3.60	MLPH	melanophilin
A_24_P300302	2.37x10 ⁻⁵	-3.60	ZNF300P1	zinc finger protein 300 pseudogene 1
A_23_P149121	2.57x10 ⁻⁶	-3.61	DIRAS3	DIRAS family GTPase 3
A_24_P122337	4.13x10 ⁻⁵	-3.62	SYTL4	synaptotagmin like 4
A_23_P201066	1.86x10 ⁻⁴	-3.62	SUSD4	sushi domain containing 4
A_24_P417352	1.84x10 ⁻²	-3.62	IGHM	immunoglobulin heavy constant μ
A_24_P191047	1.51x10 ⁻²	-3.63	CRCT1	cysteine rich C-terminal 1
A_23_P152791	3.58x10 ⁻⁷	-3.64	SLC16A6	solute carrier family 16 member 6
A_23_P350617	1.02x10 ⁻⁵	-3.64	KLB	klotho β
A_23_P156708	1.05x10 ⁻⁴	-3.64	TNXB	tenascin XB
A_23_P116037	1.37x10 ⁻⁴	-3.64	TM7SF2	transmembrane 7 superfamily member 2
A_24_P8371	1.09x10 ⁻³	-3.64	SPNS2	sphingolipid transporter 2
A_32_P40596	2.27x10 ⁻⁵	-3.65	KCNA2	potassium voltage-gated channel subfamily A member 2
A_23_P54488	1.19x10 ⁻⁴	-3.65	ACSBG1	acyl-CoA synthetase bubblegum family member 1
A_23_P154786	2.00x10 ⁻⁶	-3.68	MAP1LC3A	microtubule associated protein 1 light chain 3 α
A_23_P332399	3.58x10 ⁻⁴	-3.68	GULP1	GULP engulfment adaptor PTB domain containing 1
A_24_P558365	4.66x10 ⁻⁴	-3.68	FABP12	fatty acid binding protein 12
A_23_P163567	4.81x10 ⁻³	-3.68	SMPD3	sphingomyelin phosphodiesterase 3
A_23_P50269	1.26x10 ⁻²	-3.68	CXCL17	C-X-C motif chemokine ligand 17
A_23_P12767	4.56x10 ⁻³	-3.69	CYP2C9	cytochrome P450 family 2 subfamily C member 9
A_23_P365267	2.14x10 ⁻⁴	-3.70	SNED1	sushi nidogen and EGF like domains 1
A_24_P102053	1.18x10 ⁻³	-3.70	OCLN	occludin
A_23_P61637	2.86x10 ⁻³	-3.70	HAL	histidine ammonia-lyase
A_23_P17821	5.34x10 ⁻³	-3.70	PLA2G3	phospholipase A2 group III
A_32_P119830	1.47x10 ⁻⁶	-3.71	PEG3-AS1	PEG3 antisense RNA 1
A_23_P211561	7.75x10 ⁻⁵	-3.71	MEI1	meiotic double-stranded break formation protein 1
A_24_P135319	2.30x10 ⁻⁴	-3.71	CGNL1	cingulin like 1
A_24_P870620	1.44x10 ⁻³	-3.71	PTN	pleiotrophin
A_23_P121030	1.08x10 ⁻⁵	-3.72	CPN2	carboxypeptidase N subunit 2
A_23_P138524	2.36x10 ⁻⁴	-3.72	CPXM2	carboxypeptidase X M14 family member 2
A_23_P217570	3.20x10 ⁻⁵	-3.73	CAPN6	calpain 6
A_23_P71946	2.72x10 ⁻²	-3.74	BSPRY	B-box and SPRY domain containing

A_23_P215111	1.80x10 ⁻²	-3.75	ATP6V0A4	ATPase H ⁺ transporting V0 subunit a4
A_24_P11825	4.68x10 ⁻⁵	-3.76	CCR2	C-C motif chemokine receptor 2
A_23_P214208	3.32x10 ⁻⁶	-3.77	CNR1	cannabinoid receptor 1
A_23_P160751	1.12x10 ⁻⁴	-3.77	FCRL2	Fc receptor like 2
A_24_P151692	2.90x10 ⁻³	-3.77	POF1B	premature ovarian failure 1B
A_24_P40551	7.87x10 ⁻⁷	-3.78	BEX4	brain expressed X-linked 4
A_32_P5276	6.44x10 ⁻⁴	-3.78	ARHGEF26	Rho guanine nucleotide exchange factor 26
A_23_P43940	9.84x10 ⁻⁴	-3.78	ADAMTSL3	ADAMTS like 3
A_24_P300394	1.35x10 ⁻²	-3.78	GSTA2	glutathione S-transferase α 2
A_23_P218858	9.54x10 ⁻⁶	-3.79	ABI3BP	ABI family member 3 binding protein
A_23_P152995	4.41x10 ⁻⁵	-3.79	SLC6A4	solute carrier family 6 member 4
A_32_P1166	5.21x10 ⁻⁵	-3.79	GALNT5	polypeptide N-acetylgalactosaminyltransferase 5
A_24_P370952	1.02x10 ⁻⁴	-3.79	LAX1	lymphocyte transmembrane adaptor 1
A_23_P58676	7.01x10 ⁻⁴	-3.79	NPR3	natriuretic peptide receptor 3
A_23_P36531	4.05x10 ⁻⁴	-3.81	TSPAN8	tetraspanin 8
A_23_P106806	2.09x10 ⁻³	-3.81	PRSS27	protease serine 27
A_23_P117104	2.73x10 ⁻²	-3.81	AQP5	aquaporin 5
A_23_P107735	2.38x10 ⁻⁷	-3.82	CD79A	CD79a molecule
A_32_P139391	6.41x10 ⁻⁷	-3.82	LOC100506098	uncharacterized LOC100506098
A_23_P408363	1.93x10 ⁻⁵	-3.82	ITGBL1	integrin subunit β like 1
A_24_P342829	6.07x10 ⁻⁵	-3.82	SLC16A14	solute carrier family 16 member 14
A_23_P119634	5.36x10 ⁻⁴	-3.82	UPK1A	uroplakin 1A
A_23_P113777	1.24x10 ⁻³	-3.82	ITGBL1	integrin subunit β like 1
A_32_P94444	1.74x10 ⁻⁴	-3.83	PRSS2	protease serine 2
A_23_P94103	3.83x10 ⁻³	-3.83	SCARA5	scavenger receptor class A member 5
A_24_P173823	3.62x10 ⁻⁴	-3.84	PBX1	PBX homeobox 1
A_32_P25397	9.55x10 ⁻⁴	-3.84	PBX1	PBX homeobox 1
A_24_P331150	3.58x10 ⁻³	-3.84	CYP4F22	cytochrome P450 family 4 subfamily F member 22
A_32_P70315	2.15x10 ⁻⁵	-3.85	TIMP4	TIMP metallopeptidase inhibitor 4
A_24_P142305	6.74x10 ⁻⁵	-3.85	HBA2	hemoglobin subunit α 2
A_24_P131622	1.16x10 ⁻⁴	-3.85	FAM107A	family with sequence similarity 107 member A

A_23_P40184	1.82x10 ⁻²	-3.85	CDH22	cadherin 22
A_24_P46130	5.88x10 ⁻⁴	-3.86	ACPP	acid phosphatase prostate
A_23_P137751	7.71x10 ⁻⁴	-3.86	FAM46C	family with sequence similarity 46 member C
A_24_P20954	2.25x10 ⁻³	-3.86	TFAP2B	transcription factor AP-2 β
A_23_P126706	8.96x10 ⁻⁶	-3.87	ANGPTL1	angiopoietin like 1
A_23_P102611	6.44x10 ⁻⁴	-3.87	WISP2	WNT1 inducible signaling pathway protein 2
A_23_P25187	2.00x10 ⁻⁵	-3.88	KRT81	keratin 81
A_23_P69154	9.67x10 ⁻⁷	-3.89	FAM198A	family with sequence similarity 198 member A
A_23_P135755	2.63x10 ⁻⁵	-3.92	CXCR2	C-X-C motif chemokine receptor 2
A_23_P129291	4.04x10 ⁻⁴	-3.92	TGM5	transglutaminase 5
A_23_P22735	8.21x10 ⁻³	-3.92	BEX2	brain expressed X-linked 2
A_23_P94275	6.22x10 ⁻⁵	-3.93	DKK4	dickkopf WNT signaling pathway inhibitor 4
A_23_P254507	1.70x10 ⁻⁴	-3.93	HOPX	HOP homeobox
A_23_P216779	1.60x10 ⁻²	-3.93	NTRK2	neurotrophic receptor tyrosine kinase 2
A_23_P80551	8.93x10 ⁻⁶	-3.95	KRBOX1	KRAB box domain containing 1
A_23_P94186	3.10x10 ⁻³	-3.95	LYPD2	LY6
A_32_P183652	5.27x10 ⁻⁶	-3.96	SOX14	SRY-box 14
A_23_P138706	4.68x10 ⁻⁵	-3.96	ADRA2A	adrenoceptor α2A
A_32_P56624	4.62x10 ⁻⁴	-3.96	FAM92B	family with sequence similarity 92 member B
A_32_P465742	1.57x10 ⁻⁵	-3.97	PIP5K1B	phosphatidylinositol-4-phosphate 5-kinase type 1 β
A_23_P1904	8.98x10 ⁻⁵	-3.97	MS4A2	membrane spanning 4-domains A2
A_23_P157879	1.72x10 ⁻⁶	-3.98	FCN1	ficolin 1
A_23_P425925	3.88x10 ⁻⁶	-3.98	KRT222	keratin 222
A_23_P167367	5.89x10 ⁻⁶	-3.98	PITX2	paired like homeodomain 2
A_23_P38334	1.08x10 ⁻⁴	-3.98	WNK4	WNK lysine deficient protein kinase 4
A_23_P60990	6.33x10 ⁻³	-3.99	C2orf54	chromosome 2 open reading frame 54
A_23_P29067	4.25x10 ⁻⁶	-4.00	TMPRSS2	transmembrane protease serine 2
A_23_P438	1.78x10 ⁻⁴	-4.00	LAX1	lymphocyte transmembrane adaptor 1
A_23_P124514	5.76x10 ⁻⁸	-4.01	DLG2	discs large MAGUK scaffold protein 2
A_23_P334328	3.80x10 ⁻⁵	-4.01	LAMB4	laminin subunit β4
A_24_P917492	2.97x10 ⁻⁶	-4.02	TTLL3	tubulin tyrosine ligase like 3

A_32_P136295	3.24x10 ⁻⁶	-4.02	GNG7	G protein subunit γ 7
A_23_P92672	3.27x10 ⁻⁴	-4.02	OCLN	occludin
A_23_P303087	9.87x10 ⁻⁴	-4.02	PTN	pleiotrophin
A_23_P307844	3.27x10 ⁻⁴	-4.03	PHYHD1	phytanoyl-CoA dioxygenase domain containing 1
A_23_P24332	6.31x10 ⁻³	-4.03	MUC15	mucin 15 cell surface associated
A_23_P319859	1.15x10 ⁻⁴	-4.05	EYA2	EYA transcriptional coactivator and phosphatase 2
A_23_P37088	1.79x10 ⁻²	-4.05	RDH12	retinol dehydrogenase 12 (all-trans)
A_23_P8083	1.45x10 ⁻³	-4.06	LY6G6C	lymphocyte antigen 6 complex locus G6C
A_23_P42397	1.58x10 ⁻⁶	-4.07	PRSS35	protease serine 35
A_23_P251132	9.19x10 ⁻⁶	-4.07	SNTG2	syntrophin γ 2
A_23_P52480	8.26x10 ⁻³	-4.10	CYP2C18	cytochrome P450 family 2 subfamily C member 18
A_32_P152195	1.70x10 ⁻⁶	-4.11	STAC2	SH3 and cysteine rich domain 2
A_23_P79572	2.00x10 ⁻⁴	-4.11	MGC16025	uncharacterized LOC85009
A_23_P904	8.09x10 ⁻⁶	-4.12	BEND5	BEN domain containing 5
A_23_P153301	1.29x10 ⁻²	-4.12	CEACAM5	carcinoembryonic antigen related cell adhesion molecule 5
A_32_P132194	8.29x10 ⁻⁵	-4.13	ATP2B2-IT2	ATP2B2 intronic transcript 2
A_23_P164436	1.86x10 ⁻⁶	-4.14	ASPA	aspartoacylase
A_24_P48723	8.10x10 ⁻⁵	-4.14	PTGIS	prostaglandin I2 (prostacyclin) synthase
A_23_P397320	3.00x10 ⁻⁴	-4.14	JSRP1	junctional sarcoplasmic reticulum protein 1
A_24_P302172	4.70x10 ⁻⁷	-4.15	PTGFR	prostaglandin F receptor
A_24_P293530	1.48x10 ⁻³	-4.16	CYP4X1	cytochrome P450 family 4 subfamily X member 1
A_23_P144417	2.19x10 ⁻²	-4.16	TMPRSS11D	transmembrane protease serine 11D
A_24_P412156	5.31x10 ⁻⁵	-4.17	CXCL12	C-X-C motif chemokine ligand 12
A_23_P312920	2.17x10 ⁻³	-4.17	POU2AF1	POU class 2 associating factor 1
A_23_P69531	1.85x10 ⁻⁵	-4.18	KLB	klotho β
A_24_P497524	2.98x10 ⁻⁴	-4.19	LINC01206	long intergenic non-protein coding RNA 1206
A_23_P117851	3.04x10 ⁻⁵	-4.21	CPLX3	complexin 3
A_23_P37856	1.76x10 ⁻⁴	-4.23	HBA1	hemoglobin subunit α 1
A_23_P348028	3.59x10 ⁻⁴	-4.23	IL36A	interleukin 36 α
A_23_P423237	9.54x10 ⁻³	-4.23	SGCG	sarcoglycan γ
A_24_P389251	4.37x10 ⁻³	-4.24	CYP3A4	cytochrome P450 family 3 subfamily A member 4

A_23_P17814	5.73x10 ⁻³	-4.24	PLA2G3	phospholipase A2 group III
A_23_P41365	1.30x10 ⁻⁴	-4.25	SMR3A	submaxillary gland androgen regulated protein 3A
A_24_P913146	1.33x10 ⁻⁴	-4.27	HOPX	HOP homeobox
A_23_P214360	5.79x10 ⁻⁵	-4.28	IRF4	interferon regulatory factor 4
A_23_P117896	1.46x10 ⁻⁴	-4.29	TGM7	transglutaminase 7
A_23_P105651	1.35x10 ⁻⁵	-4.30	PDZRN4	PDZ domain containing ring finger 4
A_23_P123853	4.62x10 ⁻⁴	-4.30	CCL19	C-C motif chemokine ligand 19
A_23_P57658	9.98x10 ⁻⁴	-4.30	HRASLS	HRAS like suppressor
A_23_P81131	4.57x10 ⁻⁶	-4.31	CORIN	corin serine peptidase
A_23_P203558	1.17x10 ⁻³	-4.33	HBB	hemoglobin subunit β
A_23_P145841	1.09x10 ⁻³	-4.34	SOSTDC1	sclerostin domain containing 1
A_23_P70297	8.75x10 ⁻⁷	-4.35	ANKRD6	ankyrin repeat domain 6
A_23_P133691	1.70x10 ⁻⁵	-4.35	RRAGD	Ras related GTP binding D
A_23_P129064	2.04x10 ⁻⁵	-4.35	GATM	glycine amidinotransferase
A_23_P369471	2.77x10 ⁻³	-4.35	LCE3A	late cornified envelope 3A
A_23_P215328	1.13x10 ⁻²	-4.38	SFRP4	secreted frizzled related protein 4
A_23_P250914	1.42x10 ⁻²	-4.39	ATP6V1C2	ATPase H ⁺ transporting V1 subunit C2
A_23_P36658	4.33x10 ⁻²	-4.39	MGST1	microsomal glutathione S-transferase 1
A_23_P159764	5.57x10 ⁻³	-4.40	POF1B	premature ovarian failure 1B
A_32_P83098	3.24x10 ⁻⁶	-4.42	SCNN1B	sodium channel epithelial 1 β subunit
A_23_P76312	2.26x10 ⁻⁵	-4.42	GUCY2C	guanylate cyclase 2C
A_24_P101226	2.54x10 ⁻⁴	-4.42	IGHV3-69-1	immunoglobulin heavy variable 3-69-1 (pseudogene)
A_24_P207828	2.14x10 ⁻²	-4.42	LCE2B	late cornified envelope 2B
A_23_P26457	2.71x10 ⁻⁴	-4.43	HBA2	hemoglobin subunit α 2
A_23_P383009	1.18x10 ⁻³	-4.43	IGFBP5	insulin like growth factor binding protein 5
A_23_P430948	2.42x10 ⁻⁸	-4.44	ATP13A4	ATPase 13A4
A_23_P356494	2.04x10 ⁻²	-4.44	SPINK5	serine peptidase inhibitor Kazal type 5
A_23_P213832	1.91x10 ⁻¹⁰	-4.45	SPINK7	serine peptidase inhibitor Kazal type 7 (putative)
A_23_P13465	1.04x10 ⁻⁵	-4.45	ELF5	E74 like ETS transcription factor 5
A_23_P114862	3.13x10 ⁻⁷	-4.46	ANGPTL7	angiopoietin like 7
A_23_P358917	1.86x10 ⁻⁴	-4.46	CYP3A7	cytochrome P450 family 3 subfamily A member 7

A_23_P81590	1.39x10 ⁻⁵	-4.47	PDE6A	phosphodiesterase 6A
A_24_P472081	1.14x10 ⁻⁴	-4.47	IGLV1-44	immunoglobulin lambda variable 1-44
A_24_P75190	1.97x10 ⁻⁴	-4.47	HBD	hemoglobin subunit δ
A_23_P213050	6.10x10 ⁻⁴	-4.47	HPGD	hydroxyprostaglandin dehydrogenase 15-(NAD)
A_24_P226322	5.66x10 ⁻⁶	-4.49	SH3BGRL2	SH3 domain binding glutamate rich protein like 2
A_32_P859499	1.93x10 ⁻⁸	-4.50	HCG22	HLA complex group 22
A_32_P167904	1.25x10 ⁻⁴	-4.50	ZNF681	zinc finger protein 681
A_23_P146554	1.31x10 ⁻⁶	-4.51	PTGDS	prostaglandin D2 synthase
A_24_P522786	2.39x10 ⁻⁸	-4.52	LOC441178	uncharacterized LOC441178
A_23_P48327	3.26x10 ⁻⁶	-4.52	KCTD4	potassium channel tetramerization domain containing 4
A_23_P113572	7.75x10 ⁻⁵	-4.52	CD19	CD19 molecule
A_23_P155688	1.76x10 ⁻⁴	-4.52	SPINK2	serine peptidase inhibitor Kazal type 2
A_23_P343900	4.05x10 ⁻⁴	-4.52	IGHV5-78	immunoglobulin heavy variable 5-78 (pseudogene)
A_23_P253911	2.54x10 ⁻⁴	-4.54	CHRNA3	cholinergic receptor nicotinic α 3 subunit
A_23_P103617	2.02x10 ⁻³	-4.54	ANXA9	annexin A9
A_24_P344961	3.32x10 ⁻⁶	-4.56	AMOT	angiomin
A_23_P386268	7.19x10 ⁻⁴	-4.59	C4orf26	chromosome 4 open reading frame 26
A_23_P110764	1.11x10 ⁻⁵	-4.60	MYOT	myotilin
A_23_P41145	4.84x10 ⁻³	-4.62	FAM3D	family with sequence similarity 3 member D
A_23_P29394	1.53x10 ⁻⁷	-4.63	ATP13A4	ATPase 13A4
A_23_P430728	1.55x10 ⁻⁷	-4.63	ATP4A	ATPase H ⁺
A_23_P18751	8.93x10 ⁻³	-4.63	TMPRSS11E	transmembrane protease serine 11E
A_24_P332043	3.23x10 ⁻⁴	-4.64	SPAG17	sperm associated antigen 17
A_24_P355967	3.87x10 ⁻⁴	-4.64	HTR2A	5-hydroxytryptamine receptor 2A
A_23_P319783	4.05x10 ⁻⁴	-4.64	SPAG17	sperm associated antigen 17
A_24_P916965	4.14x10 ⁻⁶	-4.65	ITGBL1	integrin subunit β like 1
A_23_P38735	3.04x10 ⁻⁵	-4.65	CDH19	cadherin 19
A_23_P259868	3.19x10 ⁻⁶	-4.66	CD177	CD177 molecule
A_24_P488083	1.76x10 ⁻²	-4.66	IGK	immunoglobulin k locus
A_23_P94397	9.55x10 ⁻⁷	-4.67	OMD	osteomodulin
A_24_P306905	4.17x10 ⁻⁴	-4.67	IGKV2-24	immunoglobulin k variable 2-24

A_23_P431971	7.15x10 ⁻⁹	-4.68	CRTAC1	cartilage acidic protein 1
A_23_P144126	9.87x10 ⁻⁴	-4.68	FETUB	fetuin B
A_24_P393571	1.29x10 ⁻²	-4.68	GDA	guanine deaminase
A_23_P163306	1.60x10 ⁻⁵	-4.69	CGNL1	cingulin like 1
A_23_P5092	3.58x10 ⁻⁷	-4.70	FUT6	fucosyltransferase 6
A_23_P63521	8.83x10 ⁻³	-4.71	LCE2C	late cornified envelope 2C
A_23_P118615	1.53x10 ⁻⁷	-4.74	ABCA8	ATP binding cassette subfamily A member 8
A_23_P114713	4.04x10 ⁻³	-4.74	CYP4B1	cytochrome P450 family 4 subfamily B member 1
A_24_P250815	9.02x10 ⁻³	-4.74	POF1B	premature ovarian failure 1B
A_23_P253321	1.09x10 ⁻⁵	-4.75	PNOC	prepronociceptin
A_23_P257993	1.02x10 ⁻⁵	-4.76	DNASE1L3	deoxyribonuclease 1 like 3
A_23_P500421	1.39x10 ⁻⁴	-4.76	EYA2	EYA transcriptional coactivator and phosphatase 2
A_23_P201211	1.69x10 ⁻⁴	-4.76	FCRL5	Fc receptor like 5
A_23_P51787	1.18x10 ⁻⁷	-4.78	AMPD1	adenosine monophosphate deaminase 1
A_23_P121622	5.16x10 ⁻⁶	-4.78	SULT1B1	sulfotransferase family 1B member 1
A_23_P501624	1.27x10 ⁻⁵	-4.78	UGT2B17	UDP glucuronosyltransferase family 2 member B17
A_24_P204727	1.11x10 ⁻³	-4.78	IGHV3-48	immunoglobulin heavy variable 3-48
A_24_P333697	5.28x10 ⁻³	-4.78	KLK13	kallikrein related peptidase 13
A_23_P74920	2.67x10 ⁻²	-4.78	LCE2B	late cornified envelope 2B
A_24_P62800	7.94x10 ⁻⁸	-4.79	KLHDC8A	kelch domain containing 8A
A_23_P312505	1.21x10 ⁻⁷	-4.82	TYR	tyrosinase
A_23_P401774	4.82x10 ⁻⁵	-4.83	ELMOD1	ELMO domain containing 1
A_23_P502363	5.78x10 ⁻⁵	-4.84	EYA1	EYA transcriptional coactivator and phosphatase 1
A_23_P215720	2.80x10 ⁻⁴	-4.84	CFTR	cystic fibrosis transmembrane conductance regulator
A_23_P130411	1.51x10 ⁻⁵	-4.86	SERPINB11	serpin family B member 11 (gene)
A_24_P677559	9.19x10 ⁻⁴	-4.86	IGK	immunoglobulin κlocus
A_24_P63178	1.93x10 ⁻⁸	-4.90	CHL1	cell adhesion molecule L1 like
A_23_P140190	1.33x10 ⁻⁵	-4.90	FAM30A	family with sequence similarity 30 member A
A_23_P207213	7.19x10 ⁻⁴	-4.90	ALDH3A1	aldehyde dehydrogenase 3 family member A1
A_23_P164057	4.79x10 ⁻⁵	-4.91	MFAP4	microfibrillar associated protein 4
A_24_P71904	2.54x10 ⁻⁴	-4.92	HPGD	hydroxyprostaglandin dehydrogenase 15-(NAD)
A_23_P363778	7.94x10 ⁻⁸	-4.93	FRZB	frizzled-related protein

A_23_P85201	2.00x10 ⁻⁶	-4.93	PLP1	proteolipid protein 1
A_23_P157338	3.97x10 ⁻⁹	-4.95	VWC2	von Willebrand factor C domain containing 2
A_23_P4387	5.82x10 ⁻³	-4.96	KRT24	keratin 24
A_23_P1682	3.36x10 ⁻²	-4.96	TMEM45B	transmembrane protein 45B
A_23_P213699	5.68x10 ⁻⁶	-4.97	NRG2	neuregulin 2
A_23_P301942	2.17x10 ⁻⁹	-4.98	NPPC	natriuretic peptide C
A_23_P422831	3.71x10 ⁻⁵	-4.99	FAM189A2	family with sequence similarity 189 member A2
A_24_P605563	1.06x10 ⁻²	-4.99	IGLJ3	immunoglobulin lambda joining 3
A_23_P48988	5.60x10 ⁻⁶	-5.00	SH3GL3	SH3 domain containing GRB2 like 3 endophilin A3
A_23_P148879	8.26x10 ⁻⁵	-5.01	ATP1A2	ATPase Na ⁺
A_23_P8801	5.47x10 ⁻⁴	-5.02	CYP3A5	cytochrome P450 family 3 subfamily A member 5
A_23_P500010	3.32x10 ⁻²	-5.06	KLK12	kallikrein related peptidase 12
A_23_P10902	2.45x10 ⁻⁸	-5.09	FRZB	frizzled-related protein
A_23_P146274	5.36x10 ⁻⁶	-5.09	STMN2	stathmin 2
A_24_P361816	6.58x10 ⁻⁵	-5.09	IGLV6-57	immunoglobulin lambda variable 6-57
A_32_P229618	4.59x10 ⁻⁸	-5.10	DLG2	discs large MAGUK scaffold protein 2
A_24_P209171	3.68x10 ⁻⁶	-5.11	SH3BGRL2	SH3 domain binding glutamate rich protein like 2
A_23_P310274	2.82x10 ⁻³	-5.12	PRSS2	protease serine 2
A_23_P312851	2.17x10 ⁻¹¹	-5.13	PMEL	premelanosome protein
A_23_P45751	9.52x10 ⁻⁴	-5.15	CLCA4	chloride channel accessory 4
A_24_P395415	1.86x10 ⁻⁴	-5.16	IGHA2	immunoglobulin heavy constant α 2 (A2m marker)
A_24_P264943	1.45x10 ⁻³	-5.16	COMP	cartilage oligomeric matrix protein
A_24_P83102	5.47x10 ⁻³	-5.18	IGLL1	immunoglobulin lambda like polypeptide 1
A_23_P103765	2.98x10 ⁻⁶	-5.19	FCER1A	Fc fragment of IgE receptor Ia
A_23_P361654	4.73x10 ⁻³	-5.23	IGKC	immunoglobulin kconstant
A_23_P80570	2.45x10 ⁻⁸	-5.24	AADAC	arylacetamide deacetylase
A_24_P852001	1.27x10 ⁻³	-5.24	IGK	immunoglobulin klocus
A_23_P326760	5.78x10 ⁻⁷	-5.25	MYRIP	myosin VIIA and Rab interacting protein
A_24_P239076	4.55x10 ⁻³	-5.26	IGLL1	immunoglobulin lambda like polypeptide 1
A_24_P289260	3.68x10 ⁻³	-5.27	DACT2	dishevelled binding antagonist of β catenin 2
A_24_P72364	5.04x10 ⁻⁵	-5.30	C6orf15	chromosome 6 open reading frame 15

A_23_P135257	1.02x10 ⁻³	-5.31	PRSS3	protease serine 3
A_23_P6362	1.46x10 ⁻⁴	-5.33	DERL3	derlin 3
A_24_P416645	1.23x10 ⁻²	-5.33	KLK13	kallikrein related peptidase 13
A_23_P111267	1.09x10 ⁻⁵	-5.35	SH3BGRL2	SH3 domain binding glutamate rich protein like 2
A_32_P722809	3.56x10 ⁻³	-5.35	IGKV1-5	immunoglobulin κvariable 1-5
A_23_P137697	2.03x10 ⁻⁵	-5.37	SELP	selectin P
A_23_P97112	2.23x10 ⁻⁴	-5.37	SELE	selectin E
A_24_P100684	4.13x10 ⁻³	-5.37	IGHV3-30	immunoglobulin heavy variable 3-30
A_23_P98399	1.42x10 ⁻⁵	-5.38	HTR3A	5-hydroxytryptamine receptor 3A
A_23_P151895	7.11x10 ⁻⁶	-5.39	CILP	cartilage intermediate layer protein
A_23_P45185	2.59x10 ⁻⁷	-5.40	FIGF	c-fos induced growth factor
A_23_P124632	1.21x10 ⁻³	-5.42	IGHA1	immunoglobulin heavy constant α1
A_23_P33573	3.79x10 ⁻⁸	-5.43	KRT3	keratin 3
A_24_P407259	1.57x10 ⁻⁵	-5.43	SOX21	SRY-box 21
A_24_P24371	8.58x10 ⁻³	-5.46	IGHG4	immunoglobulin heavy constant γ4 (G4m marker)
A_23_P302672	1.40x10 ⁻⁷	-5.48	DDIT4L	DNA damage inducible transcript 4 like
A_23_P61042	2.29x10 ⁻³	-5.49	IGHA2	immunoglobulin heavy constant α2 (A2m marker)
A_23_P41789	9.01x ⁻¹¹	-5.51	SLC27A6	solute carrier family 27 member 6
A_23_P202448	3.29x10 ⁻⁶	-5.52	CXCL12	C-X-C motif chemokine ligand 12
A_23_P313623	1.80x10 ⁻⁴	-5.52	COBL	cordón-bleu WH2 repeat protein
A_23_P90436	3.38x10 ⁻⁴	-5.55	COMP	cartilage oligomeric matrix protein
A_24_P52887	1.38x10 ⁻⁶	-5.56	ENDOU	endonuclease poly(U) specific
A_23_P212241	2.43x10 ⁻⁸	-5.57	CHL1	cell adhesion molecule L1 like
A_23_P84596	2.27x10 ⁻⁴	-5.57	MZB1	marginal zone B and B1 cell specific protein
A_23_P356585	3.50x10 ⁻⁶	-5.58	HLF	HLF PAR bZIP transcription factor
A_24_P318990	5.22x10 ⁻⁵	-5.58	IGLL5	immunoglobulin lambda like polypeptide 5
A_23_P92562	1.40x10 ⁻³	-5.62	ADH7	alcohol dehydrogenase 7 (class IV) μ or σ polypeptide
A_24_P76868	2.66x10 ⁻⁴	-5.63	BMS1P20	BMS1 ribosome biogenesis factor pseudogene 20
A_23_P43350	3.58x10 ⁻⁷	-5.65	MLANA	melan-A
A_23_P165598	1.63x10 ⁻³	-5.69	DAPL1	death associated protein like 1
A_24_P822692	2.54x10 ⁻⁶	-5.74	CCER2	coiled-coil glutamate rich protein 2

A_23_P22013	2.75x10 ⁻⁷	-5.75	RSPO1	R-spondin 1
A_24_P272146	2.71x10 ⁻³	-5.77	IGKC	immunoglobulin kconstant
A_23_P35414	1.65x10 ⁻⁶	-5.81	PPP1R3C	protein phosphatase 1 regulatory subunit 3C
A_23_P133474	1.10x10 ⁻¹³	-5.85	GPX3	glutathione peroxidase 3
A_23_P116850	9.45x10 ⁻³	-5.85	KRT2	keratin 2
A_23_P37736	9.18x10 ⁻⁵	-5.86	TNFRSF17	TNF receptor superfamily member 17
A_23_P89981	4.69x10 ⁻⁸	-5.87	CYP2F1	cytochrome P450 family 2 subfamily F member 1
A_24_P109101	7.03x10 ⁻⁴	-5.87	TMPRSS11A	transmembrane protease serine 11A
A_23_P116902	2.39x10 ⁻⁸	-5.89	ART4	ADP-ribosyltransferase 4 (Dombrock blood group)
A_23_P82990	1.27x10 ⁻⁷	-5.89	OGN	osteoglycin
A_24_P347310	1.68x10 ⁻⁴	-5.90	ENDOU	endonuclease poly(U) specific
A_24_P228149	4.56x10 ⁻⁵	-5.91	KRT13	keratin 13
A_23_P66798	2.68x10 ⁻³	-5.93	KRT19	keratin 19
A_24_P224488	9.07x10 ⁻⁸	-5.97	MAPT	microtubule associated protein tau
A_24_P95723	2.50x10 ⁻⁶	-5.97	FAM30A	family with sequence similarity 30 member A
A_24_P168925	2.04x10 ⁻⁶	-5.98	CHRDL1	chordin like 1
A_23_P259863	2.27x10 ⁻⁶	-6.01	CD177	CD177 molecule
A_23_P110319	1.60x10 ⁻²	-6.03	CWH43	cell wall biogenesis 43 C-terminal homolog
A_23_P215744	2.45x10 ⁻⁸	-6.05	CTTNBP2	cortactin binding protein 2
A_24_P519504	5.91x10 ⁻⁴	-6.07	IGLL5	immunoglobulin lambda like polypeptide 5
A_23_P130573	4.34x10 ⁻⁵	-6.08	CEACAM7	carcinoembryonic antigen related cell adhesion molecule 7
A_24_P227141	3.32x10 ⁻⁶	-6.21	ELF5	E74 like ETS transcription factor 5
A_24_P179107	7.13x10 ⁻⁴	-6.23	IGLV6-57	immunoglobulin lambda variable 6-57
A_23_P53137	2.58x10 ⁻⁷	-6.30	HBG1	hemoglobin subunit γ 1
A_32_P143589	3.80x10 ⁻⁵	-6.31	CD177	CD177 molecule
A_23_P64539	3.28x10 ⁻⁶	-6.32	HBG1	hemoglobin subunit γ 1
A_23_P111321	6.65x10 ⁻⁴	-6.39	ARG1	arginase 1
A_24_P510357	9.87x10 ⁻⁴	-6.48	IGLJ3	immunoglobulin lambda joining 3
A_23_P152909	2.55x10 ⁻⁶	-6.50	ALOX12	arachidonate 12-lipoxygenase 12S type
A_24_P500584	2.86x10 ⁻²	-6.51	XIST	X inactive specific transcript (non-protein coding)
A_23_P355295	1.42x10 ⁻⁹	-6.52	FMO2	flavin containing monooxygenase 2

A_23_P129133	2.69x10 ⁻¹²	-6.63	OCA2	OCA2 melanosomal transmembrane protein
A_23_P360924	6.58x10 ⁻⁵	-6.67	CLDN17	claudin 17
A_23_P218369	2.23x10 ⁻⁶	-6.70	CCL14	C-C motif chemokine ligand 14
A_23_P35755	1.93x10 ⁻⁹	-6.79	TYR	tyrosinase
A_23_P91970	1.93x10 ⁻⁸	-7.04	AADACL2	arylacetamide deacetylase like 2
A_23_P2674	8.40x10 ⁻⁶	-7.31	KRT4	keratin 4
A_32_P194062	1.13x10 ⁻¹¹	-7.33	TYR	tyrosinase
A_23_P152906	7.15x10 ⁻⁶	-7.50	ALOX12	arachidonate 12-lipoxygenase 12S type
A_23_P94403	2.34x10 ⁻⁸	-7.66	TYRP1	tyrosinase related protein 1
A_23_P166269	3.18x10 ⁻¹¹	-7.93	FAM3B	family with sequence similarity 3 member B
A_23_P303286	1.49x10 ⁻⁵	-7.94	RPTN	repetin
A_23_P115202	3.42x10 ⁻⁴	-8.14	CRNN	cornulin
A_24_P171274	3.73x10 ⁻⁶	-8.62	LOR	loricrin
A_23_P57118	3.80x10 ⁻⁵	-8.63	TGM3	transglutaminase 3
A_23_P58228	2.39x10 ⁻⁸	-8.76	ODAM	odontogenic ameloblast associated
A_23_P17134	5.02x10 ⁻⁸	-8.80	MAL	mal T-cell differentiation protein
A_23_P362694	8.97x10 ⁻⁶	-9.71	FDCSP	follicular dendritic cell secreted protein
A_23_P81190	2.39x10 ⁻⁸	-9.73	TMPRSS11B	transmembrane protease serine 11B
A_23_P34452	5.31x10 ⁻⁵	-10.50	LOR	loricrin
A_23_P61498	4.22x10 ⁻¹²	-11.70	KRT76	keratin 76

FC, fold-change.