Gene Name	Gene Symbol	Entrez Gene	Left Sample	Right Sample	Fold Change
Left Biased					
sonic hedgehog	shh	398047	560.9	199.11	2.82
frizzled homolog 8	fzd8-b	399367	998.7	384.47	2.6
NK3 homeobox 1	nkx3-1-a	379899	490.44	202.58	2.42
survival of motor neuron protein interacting protein 1	sip1	494588	199.53	82.86	2.41
collagen, type IX, alpha 3	col9a3	446508	192.14	80.66	2.38
HESX homeobox 1	hesx1-a	378542	322.37	136.31	2.36
SIX homeobox 3	six3-a	373739	448.76	192.17	2.34
peroxidase 2	pox2-A	373710	152.29	65.54	2.32
ATPase, Ca++ transporting, cardiac muscle, slow twitch 2	atp2a2	380096	3485.8	1507.05	2.31
goosecoid homeobox	gsc-a	397752	139.29	60.53	2.3
collagen, type II, alpha 1	col2a1	397738	325.55	143.7	2.27
forkhead box I2	foxi2-a	496395	603.1	269.37	2.24
DAN domain family, member 5	dand5	594864	114.53	51.12	2.24
speedy A	spdya	398012	1075.26	480.81	2.24
developing brain homeobox 1	dbx1	373822	112.19	51.34	2.19
forkhead box D1	foxd1	373583	320.6	147.75	2.17
7-dehydrocholesterol reductase	dhcr7	379273	472.92	218.58	2.16
collagen, type II, alpha 1	col2a1	397738	400.17	186.79	2.14
DAB2 interacting protein	dab2ip	733165	281.48	131.53	2.14
solute carrier family 2 (facilitated glucose transporter), member 1	slc2a1	494763	1696.67	810.13	2.09
kielin/chordin-like protein	kcp	378806	254.01	121.64	2.09
Pitx1 protein	pitx1	394310	137.39	66.41	2.07
fibrinogen C domain containing 1	fibcd1-b	494847	94.8	45.69	2.07
phosphodiesterase 3b, cGMP-inhibited	pde3b	496104	350.5	171.14	2.05
elastin microfibril interfacer 1	emilin1	733171	102.94	50.44	2.04
xsox-11 protein	xsox-11	398329	2678.79	1315.7	2.04
cadherin 2, type 1, N-cadherin a (neuronal)	cdh2a	378518	133.88	65.49	2.04
Thioesterase superfamily member 4	them4	443715	112.74	55.6	2.03
notochord homeobox	not	397961	112.42	55.63	2.02
chordin	chrd	398045	2254.74	1114.74	2.02
carbohydrate (N-acetylglucosamine-6-O) sulfotransferase 2	chst2	100158328	187.57	92.74	2.02
immunoglobulin superfamily, member 3	igsf3	495320	393.15	195.78	2.01
shisa	shisa	443566	1020.42	509.63	2
Right Biased					
chromosome 6 open reading frame 115	c6orf115	734729	46.79	211.29	4.52
Ras association (RalGDS/AF-6) domain family member 6	rassf6	379164	43.32	187.06	4.32

meiosis expressed gene 1 homolog	meig1	398812	122.07	519.63	4.26
globin Y	gby	734190	932.45	3709.2	3.98
zinc finger CCHC-type and RNA binding motif 1	zcrb1	446310	104.23	389.86	3.74
UTP11-like, U3 small nucleolar ribonucleoprotein	utp11l	447164	686.65	2476.41	3.61
LSM5 homolog, U6 small nuclear RNA associated	lsm5	447076	1136	4053.68	3.57
geminin L	geml	398096	388.07	1380.3	3.56
THAP domain containing, apoptosis associated protein 1	thap1	495360	320.17	1134.78	3.54
leucine zipper transcription factor-like 1	lztfl1	380392	71.35	244	3.42
chromosome 12 open reading frame 45	c12orf45	100381122	276.8	944	3.41
ataxin 3	atxn3	444085	72.84	246.61	3.39
chromosome 4 open reading frame 43	c4orf43	734587	296.27	996.14	3.36
G kinase anchoring protein 1	gkap1-b	379790	143.41	474.14	3.31
WD repeat domain 89	wdr89	444112	139.97	459.49	3.28
DPY30 domain containing 1	dydc1	733358	42.75	138.86	3.25
regulator of G-protein signaling 2, 24kDa	rgs2	495384	50.28	160.9	3.2
coiled-coil domain containing 41	ccdc41	734477	67.58	214.16	3.17
triple repetitive-sequence of QXXK/R	triqk	100158412	630.51	1980.14	3.14
FK506 binding protein 3, 25kDa	fkbp3	496248	114.22	359.11	3.14
leucine rich repeat containing 57	lrrc57	432302	45.4	140.91	3.1
testis specific, 10	tsga10	398577	60.55	185.82	3.07
density-regulated protein	denr	444615	193.55	593.83	3.07
muted homolog	muted	100037008	55.8	170.88	3.06
mex-3 homolog C	mex3c	100036809	59.26	181.18	3.06
eukaryotic translation initiation factor 1A domain containing	eif1ad	496359	160.5	491.72	3.06
myosin XIX	myo19	734396	71.92	214.49	2.98
radial spoke 3 homolog	rsph3	100158369	40.08	119.22	2.97
carboxymethylenebutenolidase homolog	cmbl	495096	169.78	502.77	2.96
homolog of rat pragma of Rnd2	sgk223	398552	49.67	146.84	2.96
Tctex1 domain containing 1	tctex1d1-b	100037224	125.19	366.02	2.92
dynein, axonemal, light chain 1	dnal1	494635	65.77	191.9	2.92
chromosome 9 open reading frame 68	c9orf68	734815	55.86	162.38	2.91
apoptosis-inducing factor, mitochondrion-associated, 3	aifm3	394337	245.1	713.89	2.91
thiopurine S-methyltransferase	tpmt	447769	164.61	475.18	2.89
sperm adhesion molecule 1 (PH-20 hyaluronidase, zona pellucida binding)	spam1	398285	369.77	1063.59	2.88
thioredoxin domain containing 17	txndc17	734865	138.54	399	2.88
kinesin family member 15	kif15-b	443568	289.6	832.34	2.87
CCAAT/enhancer binding protein (C/EBP),	cebpz	495457	685.76	1963.7	2.86

zeta					
chromosome 16 open reading frame 33	snrnp25	398918	123.05	352.08	2.86
coiled-coil-helix-coiled-coil-helix domain containing 1	chchd1	414450	380.66	1089.06	2.86
teratocarcinoma-derived growth factor 2	tdgf2	733444	54.03	153.87	2.85
telomeric repeat binding factor (NIMA-interacting) 1	terf1	403376	99.35	278.33	2.8
OTU domain, ubiquitin aldehyde binding 2	otub2	495334	91.06	255.03	2.8
chromosome X open reading frame 38	cxorf38	446924	53.74	150.33	2.8
integral membrane protein 2A	itm2a-a	379248	522.68	1463.85	2.8
cystatin C	cst3	733234	555.01	1543.54	2.78
brain protein 44-like	brp44l-b	780760	1509.28	4164.62	2.76
family with sequence similarity 154, member B	fam154b	447068	119	326.03	2.74
programmed cell death 10	pdcd10	379916	567.28	1546.44	2.73
TWIST neighbor	twistnb	443718	339.91	924.69	2.72
FUN14 domain containing 1	fundc1	734365	242.3	655.81	2.71
chromatin modifying protein 5	chmp5-b	380303	791.11	2138.69	2.7
RAB, member of RAS oncogene family-like 2B	rabl2b	446683	57.84	154.77	2.68
twinfilin, actin-binding protein, homolog 1	twf1	447307	53.67	143.64	2.68
spindle and kinetochore associated complex subunit 2	ska2	100499401	47.74	127.66	2.67
ribosomal L24 domain containing 1	rsl24d1	379128	870.35	2326.19	2.67
chromosome 2 open reading frame 64	c2orf64	100037054	64.78	171.12	2.64
zinc finger protein 622	znf622-a	379188	412.89	1088.32	2.64
Ly1 antibody reactive homolog	lyar	444183	387.2	1020	2.63
EPS8-like 3	eps8l3	495088	1824.1	4757.19	2.61
calcium binding protein P22	chp	443801	252.67	660.49	2.61
adenylosuccinate synthase	adss	379780	490.8	1281.72	2.61
family with sequence similarity 36, member A	fam36a	734404	103.41	269.09	2.6
dynein, light chain, Tctex-type 1	dynlt1	447102	839.56	2185.08	2.6
pseudouridylate synthase 7 homolog	pus7	734727	493.86	1278.09	2.59
ribosomal protein L31	rpl31	414672	3748.95	9689.09	2.58
RNA binding motif protein 7	rbm7	380509	108.34	279.66	2.58
coiled-coil-helix-coiled-coil-helix domain containing 1	chchd1	414450	419.78	1077.57	2.57
nucleotide binding protein 1 (MinD homolog)	nubp1-a	494723	84.74	217.36	2.57
YEATS domain containing 4	yeats4	398909	48.45	124.53	2.57
REX1, RNA exonuclease 1 homolog	rexo1	733188	43.04	110.56	2.57
proteasome (prosome, macropain)	psma4	734876	129.2	332.34	2.57

subunit, alpha type, 4					
katanin p60 (ATPase-containing) subunit A 1	katna1	399380	60.74	156.32	2.57
KIN, antigenic determinant of recA protein homolog	kin	447303	285.43	732.63	2.57
pendrin-like anion exchanger	LOC496380	496380	416.08	1065.63	2.56
chromosome 1 open reading frame 212	c1orf212-b	100036908	56.11	143.64	2.56
centrosomal protein 57kDa-like 1	cep57l1	734283	126.49	324.23	2.56
anaphase promoting complex subunit 13, gene 2	anapc13.2	100037155	129.57	330.74	2.55
nuclear transport factor 2-like export factor 2	nxt2	379677	746.75	1901	2.55
guanine nucleotide binding protein-like 2 (nucleolar)	gnl2	380205	448.21	1141.85	2.55
olfactomedin 4	olfm4	398296	1012.76	2565.22	2.53
nuclear transport factor 2	nutf2	380453	48.08	121.61	2.53
RMI1, RecQ mediated genome instability 1, homolog	rmi1	446710	60.26	152.47	2.53
family with sequence similarity 55, member B	fam55b	495510	206.76	521.96	2.52
arginase, liver	arg1	380109	808.72	2026.95	2.51
XRCC6 binding protein 1	xrcc6bp1	379946	86.05	216.11	2.51
mediator complex subunit 10	med10	432327	198.97	499.82	2.51
septin 10	sept10	495165	335.69	842.26	2.51
Sjogren syndrome antigen B (autoantigen La)	ssb-a	394333	249.05	621.61	2.5
synaptotagmin-like 5	sytl5	398672	41.71	104.4	2.5
programmed cell death 5	pdcd5	495300	306.4	767.45	2.5
actin related protein 2/3 complex, subunit 3	arpc3	100036831	532.42	1328.62	2.5
origin recognition complex, subunit 6	orc6	446747	73.41	183.76	2.5
minichromosome maintenance complex component 6	mcm6	398071	101.06	251.45	2.49
amidohydrolase domain containing 1	amdhd1	734418	81.66	203.71	2.49
ribosomal protein S8	rps7	397774	614.78	1521.84	2.48
hydroxyprostaglandin dehydrogenase 15-(NAD)	hpgd	446811	144.3	355.46	2.46
mitochondrial ribosomal protein S17	mrps17	380597	64.01	157.22	2.46
translocase of inner mitochondrial membrane 10 homolog	timm10-b	443956	437.13	1072.13	2.45
HLA-B associated transcript 4	bat4	100036843	47.39	116.28	2.45
core-binding factor, beta subunit	cbfb	446882	324.71	793.92	2.45
ribosomal protein S24	rps24	379419	3499.15	8559.48	2.45
ATPase, H+ transporting, lysosomal 13kDa, V1 subunit G3	atp6v1g3	495264	401.44	983.24	2.45

Shwachman-Bodian-Diamond syndrome	sbds	100049749	49.14	120.19	2.45
holocytochrome c synthase	hccs-a	380272	483.18	1182.21	2.45
RIO kinase 1	riok1	733148	75.16	183.68	2.44
BUD31 homolog	bud31	379740	285.33	691.94	2.43
PSMC3 interacting protein	psmc3ip	494783	54.74	132.66	2.42
intraflagellar transport 80 homolog	ift80	394395	86.03	208.23	2.42
death-associated protein	dap	379286	137.12	330.83	2.41
translocase of inner mitochondrial membrane 13 homolog	timm13-b	379114	632.4	1521.63	2.41
mediator of cell motility 1	memo1	444266	122.54	295.63	2.41
polymerase (RNA) I polypeptide E, 53kDa	polr1e	444759	505.46	1215.71	2.41
intraflagellar transport 57 homolog	ift57	100137649	127.29	305.06	2.4
zinc finger, RAN-binding domain containing 2	zranb2-a	495123	504.99	1209.46	2.4
KIAA1712	kiaa1712	100037156	72.93	174.81	2.4
anaphase promoting complex subunit 13, gene 2	anapc13.2	100037155	98.55	236.55	2.4
ubiquitin-conjugating enzyme E2, J1 (UBC6 homolog)	ube2j1	100049091	69.76	166.93	2.39
exocyst complex component 8	exoc8	779171	89.07	212.61	2.39
high mobility group protein-1	hmg-1	398054	2092.18	4992.8	2.39
GIPC PDZ domain containing family, member 2	gipc2	398379	207.25	494.2	2.38
chromosome 14 open reading frame 129	c14orf129	432046	65.01	154.72	2.38
LSM7 homolog, U6 small nuclear RNA associated	lsm7	444555	981.58	2341.04	2.38
Ewing tumor-associated antigen 1	etaa1	446343	96.02	227.44	2.37
TNFAIP3 interacting protein 2	tnip2	432149	95.72	226.45	2.37
high-mobility group 20B	hmg20b	779314	44.34	104.98	2.37
high mobility group protein-1	hmg-1	398054	2944.08	6981.7	2.37
nucleotide binding protein 1 (MinD homolog)	nubp1-a	494723	48.18	113.68	2.36
DMRT-like family A1	dmrta1	431978	40.66	95.77	2.36
RD RNA binding protein	rdbp	734919	496.34	1165.97	2.35
biliverdin reductase B (flavin reductase (NADPH))	blvrb	443881	63.4	149.17	2.35
apoptosis-inducing factor, mitochondrion-associated, 2	aifm2	100049086	51.75	121.33	2.34
signal recognition particle 19kDa	srp19	495049	337.04	788.85	2.34
leptin receptor overlapping transcript-like 1	leprotl1	379205	115.48	270.43	2.34
ribosomal protein L39	rpl39-a	734672	1895.95	4438.52	2.34
CWC27 spliceosome-associated protein homolog	cwc27	444628	112.14	261.52	2.33
mediator complex subunit 20	med20	414699	894.22	2079.8	2.33

zinc finger CCCH-type containing 15	zc3h15	446796	792.67	1846.41	2.33
protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform (calcineurin A alpha)	ppp3ca	380507	190.84	443.81	2.33
aldehyde dehydrogenase 1 family, member A2	aldh1a2	399389	941.28	2179.55	2.32
high-mobility group box 1	hmgb1	398054	1968.54	4556.1	2.31
cysteine dioxygenase, type I	cdo1	398963	686.65	1588.15	2.31
TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 32kDa	taf9	734583	44.3	102.28	2.31
catenin (cadherin-associated protein), alpha 1, 102kDa	ctnna1	399303	1192.63	2756.25	2.31
dihydrouridine synthase 4-like	dus4l	734320	270.39	620.98	2.3
enoyl CoA hydratase 1, peroxisomal	ech1	444770	73.8	169.61	2.3
ribonuclease P/MRP 21kDa subunit	rpp21	734254	193.15	444.25	2.3
xeroderma pigmentosum, complementation group A	xpa	397790	40.39	93.05	2.3
MIS12, MIND kinetochore complex component, homolog	mis12	444231	55.25	126.52	2.29
transmembrane protein 30B	tmem30b	431946	233.32	533.18	2.29
ubiquitin protein ligase E3A (human papilloma virus E6-associated protein, Angelman syndrome)	ube3a	380385	92.84	211.38	2.28
non-metastatic cells 5, protein expressed in (nucleoside-diphosphate kinase)	nme5	447618	176.87	403.22	2.28
SUMO1/sentrin specific peptidase 7	senp7	100216311	46.17	105.04	2.28
transforming growth factor beta regulator 1	tbrg1	100049131	171.32	389.81	2.28
ligase IV, DNA, ATP-dependent	lig4	394389	79.7	181.09	2.27
high-mobility group box 1	hmgb1	380530	284.19	645.99	2.27
membrane protein FAM174	fam174	494710	61.19	138.76	2.27
DiGeorge syndrome critical region gene 6	dgcr6	494718	486.42	1096.91	2.26
ribosomal protein S25	rps25	446309	2721.13	6159.32	2.26
calpain 9	capn9	444426	172.23	388.48	2.26
Pyruvate carboxylase	MGC68971	398811	78.41	177.3	2.26
thioredoxin domain containing 6	txndc6	432114	126.36	285.74	2.26
HscB iron-sulfur cluster co-chaperone homolog	hscb	444532	287.79	651.15	2.26
caudal type homeobox 4	cdx4	380412	313.84	706.33	2.25
tubulin folding cofactor A	tbca	443794	361.3	813.39	2.25
replication protein A2, 32kDa	rpa2	443819	495.07	1113.39	2.25
CGRP receptor component	crcp	379594	148.12	332.74	2.25
exosome component 9	exosc9	443865	322.98	724.83	2.24
ribosomal protein L39	rpl39-a	734676	2290.48	5139.81	2.24

protein BUD31 homolog	bud31	495325	689.15	1540.52	2.24
chemokine (C-X-C motif) ligand 12	cxcl12	399030	377.54	845.22	2.24
KIAA1143	kiaa1143	494991	780.33	1749.28	2.24
FGFR1 oncogene partner	fgfr1op	734878	94.69	211.52	2.23
ATG4 autophagy related 4 homolog C	atg4c	495080	110.83	247.36	2.23
cytochrome c oxidase subunit VIc	cox6c.1	414706	689.65	1534.65	2.23
glutamate-cysteine ligase, modifier subunit	gclm	380105	215.19	479.43	2.23
chromosome 15 open reading frame 63	c15orf63	447079	600.29	1338.5	2.23
zinc finger protein XFDL 156 a	xfdl156a	397849	161.21	359.29	2.23
HEAT repeat containing 6	heatr6	379200	58.63	130.42	2.22
transmembrane protein 72	tmem72	100381125	431.13	959.21	2.22
KRR1, small subunit (SSU) processome component, homolog	krr1	399412	1584.43	3518.37	2.22
apoptosis-inducing factor, mitochondrion-associated, 3	aifm3	394337	100.04	220.92	2.21
zinc finger protein 161 homolog	zfp161	100049107	86.15	190.43	2.21
sciellin	scel	444250	243.01	536.61	2.21
forkhead box A4	foxa4-a	394304	260.18	575.08	2.21
UPF3 regulator of nonsense transcripts homolog B	upf3b	100381118	66.74	147.31	2.21
sulfotransferase family 1E, estrogen-preferring, member 1	sult1e1	734332	126.43	278.27	2.2
zinc finger CCCH-type containing 15	zc3h15	446796	115.2	253.28	2.2
26S proteasome-associated pad1 homolog	psmd14	380423	258.96	569.19	2.2
centrin 4	cetn4	735211	243.56	535.56	2.2
tudor domain containing 3	tdrd3	431810	110.62	243.72	2.2
SSU72 RNA polymerase II CTD phosphatase homolog	ssu72	431913	46.73	102.74	2.2
geminin, DNA replication inhibitor	gmnn	399373	647.88	1417.69	2.19
centrin	xcen	397814	255.94	560.83	2.19
coiled-coil domain containing 90A	ccdc90a	100158282	42.47	92.55	2.18
MAP kinase interacting serine/threonine kinase 1	mknk1	387327	48.49	105.87	2.18
family with sequence similarity 58, member A	fam58a	431966	307.65	669.35	2.18
stathmin 1	stmn1-a	380364	312.09	679.53	2.18
annexin A2	anxa2-b	397735	210.5	457.86	2.18
LTV1 homolog	ltv1	443630	275.49	597.75	2.17
protein LLP homolog	llph	379208	2195.23	4768.36	2.17
Synaptotagmin-like 2	sytl2	446497	97.2	210.58	2.17
eukaryotic translation initiation factor 3, subunit K	eif3k	444341	128.17	277.72	2.17
cell division cycle and apoptosis regulator	ccar1	779160	43.4	93.98	2.17

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M-phase phosphoprotein 10 (U3 small nucleolar ribonucleoprotein)	mphosph10	398524	1016.81	2196.83	2.16
ARP6 actin-related protein 6 homolog	actr6	100037212	201.48	434.35	2.16
gametogenetin binding protein 2	ggnbp2	494831	302.41	651.84	2.16
ATPase, H+/K+ transporting, nongastric, alpha polypeptide	atp12a-b	379283	47.62	103.03	2.16
Carnitine palmitoyltransferase II	cg2107	379893	138.66	299.22	2.16
dynactin 6	dctn6	779119	133.16	287.24	2.16
NFKB inhibitor interacting Ras-like 1	nkiras1	100036787	45.54	98.22	2.16
sorting nexin 2	snx2	380176	443.88	958.42	2.16
cornifelin	cnfn-a	414661	101.59	218.86	2.15
excision repair cross-complementing rodent repair deficiency, complementation group 5	ercc5	397963	76.3	164.22	2.15
paired box 3	pax3-b	496377	201.87	433.74	2.15
SAC1 (suppressor of actin mutations 1, homolog)-like	sacm1l	444578	368.83	792.95	2.15
excision repair cross-complementing rodent repair deficiency, complementation group 4	ercc4	446411	94.87	203.97	2.15
mesoderm posterior homolog A	mespa-a	373581	181.54	389.51	2.15
keratin 5, gene 7	krt5.7	397878	393.95	843.88	2.14
3-hydroxymethyl-3-methylglutaryl-CoA lyase	hmgcl	432233	91.54	196.18	2.14
pinhead	pnhd	100158295	501.91	1076.48	2.14
coenzyme Q5 homolog, methyltransferase	coq5	734563	139.1	297.28	2.14
endoplasmic reticulum protein 44	erp44	399233	1337.06	2857.7	2.14
glyoxalase domain containing 4	glod4	444097	82.54	176.85	2.14
ubiquinol-cytochrome c reductase, complex III subunit X	uqcr10	100137668	1916.55	4105.82	2.14
nuclear receptor subfamily 2, group C, member 1	nr2c1-b	447478	74.31	159.26	2.14
DiGeorge syndrome critical region gene 14	dgcr14	443791	99.82	212.17	2.13
coiled-coil domain containing 15	ccdc15	735233	190.94	406.7	2.13
neuroepithelial cell transforming 1	net1	380067	240.02	510.49	2.13
Sjogren syndrome antigen B (autoantigen La)	ssb-b	379324	1112.4	2374.52	2.13
eukaryotic translation initiation factor 4A2	eif4a2	379831	574.62	1224.66	2.13
family with sequence similarity 125, member A	fam125a	379160	215.38	456.01	2.12
translocase of inner mitochondrial membrane 10 homolog	timm10-a	734492	430.85	913.73	2.12

proteasome (prosome, macropain) subunit, alpha type, 4	psma4	380382	260.89	552.64	2.12
P70 S6 kinase	p70s6k-A	394347	421.25	891.3	2.12
LSM6 homolog, U6 small nuclear RNA associated	lsm6	447141	959.39	2032.03	2.12
RAN binding protein 1	ranbp1	379454	437.07	925.18	2.12
carbonic anhydrase 2	ca2	379772	137.33	290.93	2.12
synaptonemal complex protein 2-like	sycp2l	398239	124.23	261.63	2.11
non-muscle tropomyosin	tm-4	379628	1176.4	2482.09	2.11
mitotic spindle organizing protein 1	mzt1	495466	233.87	494.6	2.11
calpain, small subunit 2	capns2	446963	716.47	1515.18	2.11
septin 11	sept11	447479	829.15	1752.42	2.11
ATPase, H+ transporting, lysosomal 14kDa, V1 subunit F	atp6v1f-b	398852	243.65	513.47	2.11
adenosylmethionine decarboxylase 1	amd1	380052	421.43	887.68	2.11
WD repeat domain 82	wdr82-a	494657	749.68	1583.51	2.11
translocase of inner mitochondrial membrane 44 homolog	timm44	447516	273.27	573.27	2.1
RAP1A, member of RAS oncogene family	rap1a	779127	252.16	528.32	2.1
cystathionase (cystathionine gamma-lyase)	cth	494673	878.26	1843.94	2.1
synapse associated protein 1	syap1	432107	138.09	290.21	2.1
interferon-related developmental regulator 1	ifrd1	494857	225.11	473.42	2.1
cyclin G1	ccng1	779347	45.26	94.87	2.1
RNA binding motif protein 7	rbm7	380509	393.25	824.19	2.1
chromosome 7 open reading frame 57	c7orf57	779389	86.78	181.79	2.09
centrin, EF-hand protein, 3	cetn3	399168	354.89	742.67	2.09
tropomyosin	tm7	431788	288.75	604.56	2.09
MYST/Esa1-associated factor 6	meaf6	735097	323.39	676.04	2.09
peroxiredoxin 1	prdx1	443911	949.61	1974.13	2.08
glial cells missing homolog 1	gcm1	373782	96.19	199.95	2.08
DnaJ (Hsp40) homolog, subfamily C, member 2	dnajc2	414559	277.31	577.6	2.08
eukaryotic translation termination factor 1	etf1	399462	2078.01	4325.25	2.08
DNA polymerase epsilon p12 subunit	pole4	779084	356.69	743.29	2.08
PEST proteolytic signal containing nuclear protein, gene 2	pcnp.2	380362	205.47	424.42	2.07
mediator complex subunit 8	med8	496309	62.42	128.95	2.07
ribosomal protein S25	rps25	446309	2499.53	5164.04	2.07
nuclear transport factor 2	nutf2	398010	813.74	1681.5	2.07
thioredoxin domain containing 9	txndc9	386603	182.85	376.56	2.06
chromosome 9 open reading frame 41	c9orf41	734612	92.65	191.06	2.06
glucoside xylosyltransferase 1	gxylt1	734649	314.47	648.92	2.06

solute carrier family 25, member 30	slc25a30	443984	430.59	887.97	2.06
chromosome 16 open reading frame 61	c16orf61	100049117	158.56	326.32	2.06
aldehyde dehydrogenase 1 family, member A2	aldh1a2	399389	1011.34	2080.22	2.06
tektin 2 (testicular)	tekt2	734742	54.47	111.57	2.05
mesoderm induction early response 1	mier1	379970	84.25	173	2.05
angiotensin 2 receptor-associated protein	agtrap	734546	138.86	284.45	2.05
ribosomal protein S21	rps21	446759	1810.29	3704.72	2.05
E74-like factor 2 (ets domain transcription factor)	elf2	432092	45.62	93.71	2.05
complement factor H	cfh	379371	522.49	1069.51	2.05
TAF9B RNA polymerase II, TATA box binding protein (TBP)-associated factor	taf9b	779429	641.56	1314.99	2.05
zinc finger protein 593	znf593	398463	841.58	1721.48	2.05
Ts translation elongation factor, mitochondrial	tsfm	100036913	162.97	332.03	2.04
syntaxin binding protein 3	stxbp3	735162	169.43	345.8	2.04
far upstream element (FUSE) binding protein 3	fubp3	398900	327.1	666.87	2.04
integrin beta 1 binding protein 3	itgb1bp3	443750	579.46	1181.61	2.04
tektin 1	tekt1	432321	45.38	92.62	2.04
pipecolic acid oxidase	pipox	735186	69.67	142.22	2.04
fermitin family member 1	fermt1	379119	57.31	116.23	2.03
ribosomal protein L39	rpl39-b	734676	3313.25	6737.94	2.03
syntaxin 7	stx7	379358	61.88	125.87	2.03
Mdm4 p53 binding protein homolog	mdm4	398466	108.93	221.64	2.03
barrier to autointegration factor 1	banf1-a	414508	1121.26	2279.15	2.03
growth arrest and DNA-damage-inducible, alpha	gadd45a	379224	231.63	470.91	2.03
SUMO1/sentrin specific peptidase 6	senp6	443695	56.65	114.73	2.03
LSM7 homolog, U6 small nuclear RNA associated	lsm7	444555	102.26	207.99	2.03
chromosome 4 open reading frame 47	c4orf47	495042	74.21	151.02	2.03
carbonic anhydrase X	ca10	100381069	290.38	589.63	2.03
RIO kinase 2	riok2-b	495048	678.47	1375.96	2.03
nuclear protein SDK2	sdk2-a	394270	151.66	306.33	2.02
biogenesis of lysosomal organelles complex-1, subunit 2	bloc1s2	100036972	87.4	176.95	2.02
synaptosomal-associated protein, 29kDa	snap29	379768	834.75	1683.46	2.02
mesenchyme homeobox 2	meox2-a	380365	136.01	275.39	2.02
nucleotide binding protein 1 (MinD homolog)	nubp1-a	494723	87.13	176.45	2.02
ubiquitin-like modifier activating enzyme 5	uba5	734791	136.67	275.66	2.02
heat shock protein family B (small),	hspb11	447687	83.75	169.51	2.02

member 11					
EBNA1 binding protein 2	ebna1bp2	100381119	2260.69	4565.39	2.02
transmembrane protein 167B	tmem167b	446533	343.81	692.1	2.01
LYR motif containing 4	lyrm4	446871	365.68	733.86	2.01
kelch domain containing 4	klhdc4	379203	251.21	504.7	2.01
claudin 1	cldn1	379132	157.93	317.79	2.01
neural precursor cell expressed, developmentally down-regulated 1	nedd1	447718	85.26	171.44	2.01
mitochondrial translational initiation factor 3	mtif3	100127256	86.57	173.68	2.01
catenin (cadherin-associated protein), alpha 1, 102kDa	ctnna1	399303	1268.57	2548.41	2.01
NUF2, NDC80 kinetochore complex component, homolog	nuf2-a	398428	323.18	646.8	2
Left Only					
collagen, type IX, alpha 2	col9a2	734362	86.32	NA	NA
netrin 1	ntn1	373694	60.47	NA	NA
heme oxygenase (decycling) 2	hmox2	444101	69.84	NA	NA
WD repeat domain 43	wdr43	100101293	74.47	NA	NA
Six3 protein	six3	398146	36.84	NA	NA
vesicle-associated membrane protein 2 (synaptobrevin 2)	vamp2-a	394286	45.22	NA	NA
Right Only					
tetraspanin 8	tspan8	380553	NA	73.24	NA
adenosine deaminase, tRNA-specific 2, TAD2 homolog	adat2	734534	NA	87.96	NA
cytochrome b5 type A (microsomal)	cyb5a	446542	NA	83.78	NA
intraflagellar transport 80 homolog	ift80	394395	NA	49.21	NA
vesicle-associated membrane protein 7	vamp7	446706	NA	42.06	NA
MORN repeat containing 3	morn3	496069	NA	49.73	NA
RNA (guanine-9-) methyltransferase domain containing 1	rg9mtd1	100381127	NA	60.32	NA
dyslexia susceptibility 1 candidate 1	dyx1c1	446699	NA	100.04	NA
ATPase, H+ transporting, lysosomal accessory protein 1	atp6ap1	495089	NA	106	NA
deoxyguanosine kinase	dguok	444017	NA	77.95	NA
MORN repeat containing 2	morn2	100049748	NA	74.73	NA
cingulin-like 1	cgnl1	431812	NA	75.59	NA
methylcrotonoyl-CoA carboxylase 1 (alpha)	mccc1	444497	NA	78.31	NA
matrix metallopeptidase 28	mmp28-a	100037251	NA	77.18	NA
polo-like kinase 1 substrate 1	plk1s1	100036847	NA	55.76	NA
RNA (guanine-9-) methyltransferase domain containing 1	rg9mtd1	100381127	NA	69.45	NA
cytohesin 2	cyth2	444689	NA	71.23	NA

keratin 16 (focal non-epidermolytic palmoplantar keratoderma)	krt16	446743	NA	37.59	NA
Shwachman-Bodian-Diamond syndrome	sbds	100049749	NA	61.29	NA
potassium channel tetramerisation domain containing 18	kctd18	496008	NA	73	NA
TRAF6 binding protein	tifa	734184	NA	65.37	NA
proteasome (prosome, macropain) activator subunit 2 (PA28 beta)	psme2	444643	NA	27.77	NA
germes	LOC398520	398520	NA	50.58	NA
protein kinase, cAMP-dependent, regulatory, type II, beta	prkar2b	414594	NA	23.14	NA
Tctex1 domain containing 1	tctex1d1-a	735195	NA	36.36	NA
kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)	kmo	734866	NA	65.67	NA
meiotic nuclear divisions 1 homolog	mnd1	495113	NA	39.06	NA
guanine nucleotide binding protein (G protein), gamma 7	gng7-b	734246	NA	39.76	NA
intraflagellar transport 74 homolog	ift74	734317	NA	26.66	NA
sulfotransferase family, cytosolic, 6B, member 1	sult6b1	446950	NA	25.15	NA
POU class 4 homeobox 1	pou4f1.2	373807	NA	83.06	NA
microtubule-associated protein 9	map9	100189590	NA	65.25	NA
protein kinase, cGMP-dependent, type II	prkg2	444025	NA	67.69	NA
glucose-fructose oxidoreductase domain containing 2	gfod2	379195	NA	55.31	NA
SIL1 homolog, endoplasmic reticulum chaperone	sil1	414657	NA	74.01	NA
anaphase promoting complex subunit 13, gene 2	anapc13.2	100037155	NA	35.52	NA
oral-facial-digital syndrome 1	ofd1	443557	NA	44.77	NA
secretagogin, EF-hand calcium binding protein	scgn	494795	NA	51.42	NA
solute carrier family 26, member 4	slc26a4	496392	NA	60.51	NA
5'-nucleotidase, cytosolic III	nt5c3	494724	NA	45.69	NA
SUMO1/sentrin specific peptidase 1	senp1-a	398517	NA	71.81	NA
RalB-binding protein	rlip1-a	394313	NA	62.27	NA
nucleotide binding protein 1 (MinD homolog)	nubp1-a	494723	NA	29.61	NA
dynein, cytoplasmic 1, light intermediate chain 1	dync1li1-a	379847	NA	69.21	NA
inositol polyphosphate-1-phosphatase	inpp1	398838	NA	31.91	NA
RUN and FYVE domain containing 1	rufy1	100158302	NA	33.47	NA
unc-93 homolog A	unc93a	446680	NA	46.28	NA
phosphoserine phosphatase	psph	446328	NA	61.2	NA