

PC 1

CHR	BP	P	ANNOT	FDRqvalue
1	1.71E+08	0.000149	FMO2	1
8	71581982	0.000303	XKR9	1
1	64240585	0.000435	ROR1	1
4	56214596	0.000553	SRD5A3	1
2	1.2E+08	0.000609	C2orf76	1
1	1.71E+08	0.00062	FMO3	1
5	31193877	0.000962	CDH6	1
2	2.02E+08	0.001068	BZW1	1
11	3251137	0.001072	MRGPRES	1
10	92982238	0.001072	PCGF5	1
8	71486568	0.001242	TRAM1	1
14	88934651	0.001624	PTPN21	1
6	85448103	0.001641	TBX18	1
5	54274151	0.002073	ESM1	1
2	86830876	0.002114	RNF103	1
22	18047058	0.002243	SLC25A18	1
14	95885897	0.002291	C14orf49	1
1	1.75E+08	0.002314	MRPS14	1
1	93545157	0.002649	MTF2	1
5	1.27E+08	0.002775	CTXN3	1
1	93646433	0.002877	CCDC18	1
16	19719946	0.002994	C16orf88	1
8	19176047	0.003005	SH2D4A	1
1	2.1E+08	0.003237	LAMB3	1
17	76214980	0.003336	BIRC5	1
2	1.9E+08	0.003744	DIRC1	1
1	1.74E+08	0.003791	SERPINC1	1
10	97365820	0.003901	ALDH18A1	1
11	5323071	0.003901	OR51B4	1
19	8376431	0.004021	NDUFA7	1
15	40453307	0.004087	BUB1B	1
5	34930201	0.004179	DNAJC21	1
3	53881471	0.004379	IL17RB	1
6	1.11E+08	0.004445	CDC40	1
1	1.74E+08	0.004598	RC3H1	1
19	57796678	0.004599	ZNF460	1
18	67959607	0.004656	SOCS6	1
3	1.61E+08	0.004896	C3orf57	1
2	86731290	0.005017	VPS24	1
7	32997523	0.005126	FKBP9	1
1	71318261	0.005127	PTGER3	1
3	16357494	0.005148	RFTN1	1
8	1.21E+08	0.005189	TAF2	1
2	86668822	0.005215	JMJD1A	1
1	1.74E+08	0.005362	ZBTB37	1

1	2.05E+08	0.005368	NUAK2	1
9	1.4E+08	0.005552	WDR85	1
8	1.45E+08	0.005557	PUF60	1
22	50657112	0.005615	TUBGCP6	1
2	65455301	0.005618	ACTR2	1

PC2

CHR	BP	P	ANNOT	FDRqvalue
2	1.2E+08	4.75E-05	MARCO	1
18	2571823	0.000147	NDC80	1
5	68666912	0.000261	RAD17	1
8	1715122	0.000415	CLN8	1
20	62892739	0.000542	PCMTD2	1
2	1.83E+08	0.000548	NEUROD1	1
16	2047891	0.000594	ZNF598	1
7	90032932	0.000767	CLDN12	1
7	27282483	0.000786	EVX1	1
16	239780	0.00084	LUC7L	1
1	1.57E+08	0.000844	C1orf92	1
1	14927324	0.00088	KIAA1026	1
1	1.57E+08	0.000898	PEAR1	1
8	6912844	0.00092	DEFA5	1
3	28435094	0.000965	ZCWPW2	1
8	94770615	0.001004	TMEM67	1
3	1.32E+08	0.001043	UBA5	1
6	4995464	0.001298	RPP40	1
1	1.57E+08	0.001543	ARHGEF11	1
4	1.24E+08	0.001582	IL21	1
17	15133406	0.001639	PMP22	1
2	1.88E+08	0.00175	CALCRL	1
7	32535202	0.001864	KIAA0241	1
1	70672605	0.001947	SFRS11	1
7	64255206	0.001971	ZNF138	1
1	2.47E+08	0.002118	AHCTF1	1
12	78226359	0.002165	NAV3	1
7	26707657	0.002188	SKAP2	1
8	1782495	0.00235	ARHGEF10	1
6	52227833	0.002381	PAQR8	1
9	1.27E+08	0.002405	NEK6	1
4	1.23E+08	0.002487	IL2	1
5	1.12E+08	0.002562	REEP5	1
9	1.35E+08	0.002584	FLJ46082	1
15	68347069	0.002717	PIAS1	1
5	68788959	0.002771	OCLN	1
12	11805466	0.002959	ETV6	1
17	55918660	0.002996	MRPS23	1
3	10290839	0.003018	TATDN2	1

15	75666081	0.003047	SIN3A	1
5	1.49E+08	0.00307	SLC26A2	1
22	44891940	0.003178	LDOC1L	1
2	1.61E+08	0.003267	ITGB6	1
5	65222461	0.003449	ERBB2IP	1
2	69172923	0.003473	GKN2	1
18	63465379	0.003558	CDH7	1
3	17199906	0.003697	TBC1D5	1
10	74654754	0.003939	OIT3	1
3	23961353	0.003969	RPL15	1
7	93516077	0.004131	TFPI2	1

PC3

CHR	BP	P	ANNOT	FDRqvalue
8	22962348	0.000106	TNFRSF10C	0.924985
1	2.02E+08	0.000182	TIMM17A	0.924985
19	55853497	0.000359	SUV420H2	0.924985
6	49695102	0.00039	CRISP3	0.924985
9	15553128	0.000586	C9orf93	0.924985
13	49823287	0.000748	CDADC1	0.924985
6	2768816	0.000824	WRNIP1	0.924985
20	43835683	0.000942	SEMG1	0.924985
22	26921725	0.000992	TPST2	0.924985
7	30693775	0.001026	CRHR2	0.924985
8	54138601	0.001085	OPRK1	0.924985
9	15464743	0.001127	PSIP1	0.924985
11	858424	0.001212	TSPAN4	0.924985
13	27131971	0.001255	WASF3	0.924985
3	1.85E+08	0.001594	EHHADH	0.924985
19	4971725	0.001614	JMJD2B	0.924985
2	62427404	0.001629	B3GNT2	0.924985
13	36742906	0.001668	SOHLH2	0.924985
4	1.54E+08	0.001671	KIAA0922	0.924985
14	35222242	0.001672	BAZ1A	0.924985
19	53571306	0.001886	ZNF160	0.924985
2	2.19E+08	0.00194	GPBAR1	0.924985
18	12447303	0.002035	SPIRE1	0.924985
2	2.19E+08	0.002079	RUFY4	0.924985
11	45117171	0.002126	PRDM11	0.924985
2	39209047	0.002238	SOS1	0.924985
6	1.32E+08	0.002257	ENPP3	0.924985
2	2.32E+08	0.002271	GPR55	0.924985
11	64495284	0.002304	RASGRP2	0.924985
8	8177604	0.00252	PRAGMIN	0.924985
8	1.25E+08	0.00252	ANXA13	0.924985
1	2.31E+08	0.002643	CAPN9	0.924985
9	1.31E+08	0.002801	ODF2	0.924985

14	50085411	0.00282	RPL36AL	0.924985
16	8716036	0.002822	C16orf68	0.924985
4	41984118	0.002856	WDR21B	0.924985
13	1.01E+08	0.002895	TMTC4	0.924985
9	1.33E+08	0.002909	USP20	0.924985
8	38646402	0.00305	TACC1	0.925652
9	1.33E+08	0.003141	FNBP1	0.926053
2	2.19E+08	0.003154	IL8RB	0.926109
1	1.52E+08	0.00322	CRNN	0.926383
12	3003858	0.003361	TULP3	0.927452
2	30945661	0.003476	CAPN13	0.928259
14	72402431	0.003571	RGS6	0.928888
11	27015690	0.003734	FIBIN	0.929895
9	15423548	0.00394	SNAPC3	0.931054
1	2.21E+08	0.004105	HLX	0.931899
2	2.05E+08	0.004177	CD28	0.932245
1	61549616	0.004289	NFIA	0.932763