

Supplementary table 1. General information of IGF2BP3 target genes

Target_ID	Gene ID	Gene_name	Target Type	Chromosomal location
M6ATAR00318	10128	LRPPRC	Protein coding	2p21
M6ATAR00587	6194	S6	Protein coding	9p22.1
M6ATAR00160	5226	PGD	Protein coding	1p36.22
M6ATAR00334	4313	MMP2	Protein coding	16q12.2
M6ATAR00546	56999	ADAMTS9	Protein coding	3p14.1
M6ATAR00701	259266	ASPM	Protein coding	1q31.3
M6ATAR00685	.	AC008	LncRNA	.
M6ATAR00794	105373748	AC010894.3	LncRNA	2q31.1
M6ATAR00101	100874306	ACAP2-IT1	LncRNA	3q29
M6ATAR00104	107985353	ACBD3-AS1	LncRNA	1q42.12
M6ATAR00168	31	ACACA	Protein coding	17q12
M6ATAR00170	59	ACTA2	Protein coding	10q23.31
M6ATAR00750	324	APC	Protein coding	5q22.2
M6ATAR00275	84681	HINT2	Protein coding	9p13.3
M6ATAR00303	205	AK4	Protein coding	1p31.3
M6ATAR00539	221079	ARL5B	Protein coding	10p12.31
M6ATAR00172	27125	AFF4	Protein coding	5q31.1
M6ATAR00177	216	ALDH1A1	Protein coding	9q21.13
M6ATAR00174	1645	AKR1C1	Protein coding	10p15.1
M6ATAR00520	2023	ENO1	Protein coding	1p36.23
M6ATAR00163	5562	PRKAA1	Protein coding	5p13.1
M6ATAR00479	.	AR	Protein coding	.
M6ATAR00644	7010	TEK	Protein coding	9p21.2
M6ATAR00182	51676	ASB2	Protein coding	14q32.12
M6ATAR00660	10551	AGR2	Protein coding	7p21.1
M6ATAR00582	348	APOE	Protein coding	19q13.32
M6ATAR00195	581	BAX	Protein coding	19q13.33
M6ATAR00196	596	BCL2	Protein coding	18q21.33
M6ATAR00083	103021294	ABALON	LncRNA	20q11.21
M6ATAR00533	22985	ACIN1	Protein coding	14q11.2
M6ATAR00527	91947	ARRDC4	Protein coding	15q26.2
M6ATAR00729	1615	DARS	Protein coding	2q21.3
M6ATAR00183	29028	ATAD2	Protein coding	8q24.13
M6ATAR00184	55210	ATAD3A	Protein coding	1p36.33
M6ATAR00676	89845	ABCC10	Protein coding	6p21.1
M6ATAR00165	10060	ABCC9	Protein coding	12p12.1
M6ATAR00166	215	ABCD1	Protein coding	Xq28
M6ATAR00169	47	ACLY	Protein coding	17q21.2
M6ATAR00226	1654	DDX3X	Protein coding	Xp11.4
M6ATAR00323	5243	ABCB1	Protein coding	7q21.12
M6ATAR00193	9212	AURKB	Protein coding	17p13.1
M6ATAR00189	9474	ATG5	Protein coding	6q21
M6ATAR00191	60673	ATG101	Protein coding	12q13.13
M6ATAR00161	55054	ATG16L1	Protein coding	2q37.1
M6ATAR00187	23130	ATG2A	Protein coding	11q13.1
M6ATAR00594	8312	AXIN1	Protein coding	16p13.3
M6ATAR00741	116071	BATF2	Protein coding	11q13.1
M6ATAR00198	7009	TMBIM6	Protein coding	12q13.12

M6ATAR00201	664	BNIP3	Protein coding	10q26.3
M6ATAR00556	90427	BMF	Protein coding	15q15.1
M6ATAR00194	22863	ATG14	Protein coding	14q22.3
M6ATAR00197	8678	BECN1	Protein coding	17q21.31
M6ATAR00386	9711	RUBCN	Protein coding	3q29
M6ATAR00614	56998	CTNNBIP1	Protein coding	1p36.22
M6ATAR00756	25825	BACE2	Protein coding	21q22.2-q22.3
M6ATAR00200	650	BMP2	Protein coding	20p12.3
M6ATAR00199	406	ARNTL	Protein coding	11p15.3
M6ATAR00707	672	BRCA1	Protein coding	17q21.31
M6ATAR00472	.	ABCG2	Protein coding	.
M6ATAR00145	253962	CACNA1G-AS1	LncRNA	17q21.33
M6ATAR00696	999	CDH1	Protein coding	16q22.1
M6ATAR00202	1000	CDH2	Protein coding	18q12.1
M6ATAR00309	10645	CAMKK2	Protein coding	12q24.31
M6ATAR00087	101805492	CASC9	LncRNA	8q21.13
M6ATAR00220	1375	CPT1B	Protein coding	22q13.33
M6ATAR00221	1459	CSNK2A2	Protein coding	16q21
M6ATAR00203	836	CASP3	Protein coding	4q35.1
M6ATAR00204	837	CASP4	Protein coding	11q22.3
M6ATAR00222	1499	CTNNB1	Protein coding	3p22.1
M6ATAR00679	857	CAV1	Protein coding	7q31.2
M6ATAR00747	.	CBSLR	LncRNA	.
M6ATAR00215	1050	CEBPA	Protein coding	19q13.11
M6ATAR00652	29883	CNOT7	Protein coding	8p22
M6ATAR00574	960	CD44	Protein coding	11p13
M6ATAR00086	103611090	CDR1-AS	LncRNA	Xq27.1
M6ATAR00216	63924	CIDEC	Protein coding	3p25.3
M6ATAR00356	7157	TP53	Protein coding	17p13.1
M6ATAR00699	64105	CENPK	Protein coding	5q12.3
M6ATAR00728	25932	CLIC4	Protein coding	1p36.11
M6ATAR00759	57332	CBX8	Protein coding	17q25.3
M6ATAR00006	.	Circ_104075	circRNA	.
M6ATAR00036	.	Circ_1662	circRNA	.
M6ATAR00575	.	Circ_ASK1	circRNA	.
M6ATAR00517	.	Circ_DLC1	circRNA	.
M6ATAR00008	.	Circ_E7	circRNA	.
M6ATAR00038	.	Circ_GFR-Alpha-1	circRNA	.
M6ATAR00528	.	Circ_IGF2BP3	circRNA	.
M6ATAR00586	.	Circ_MAP3K4	circRNA	.
M6ATAR00616	.	Circ_ORC5	circRNA	.
M6ATAR00548	.	Circ_PTPRA	circRNA	.
M6ATAR00016	.	Circ_SLC7A5	circRNA	.
M6ATAR00053	.	Circ_YTHDC2	circRNA	.
M6ATAR00459	9575	CLOCK	Protein coding	.
M6ATAR00757	79365	BHLHE41	Protein coding	12p12.1
M6ATAR00597	1281	COL3A1	Protein coding	2q32.2
M6ATAR00333	4322	MMP13	Protein coding	11q22.2
M6ATAR00092	100507056	CCAT1	LncRNA	8q24.21
M6ATAR00091	101805488	CCAT2	LncRNA	8q24.21

M6ATAR00346	4708	NDUFB2	Protein coding	7q34
M6ATAR00715	4846	eNOS	Protein coding	7q36.1
M6ATAR00219	57699	CPNE5	Protein coding	6p21.2
M6ATAR00051	.	CTD-3184A7.4	LncRNA	.
M6ATAR00569	64866	CDCP1	Protein coding	3p21.31
M6ATAR00223	7852	CXCR4	Protein coding	2q22.1
M6ATAR00523	3627	Cxcl10	Protein coding	4q21.1
M6ATAR00516	6373	CXCL11	Protein coding	4q21.1
M6ATAR00522	4283	Cxcl9	Protein coding	4q21.1
M6ATAR00185	468	ATF4	Protein coding	22q13.1
M6ATAR00755	467	ATF3	Protein coding	1q32.3
M6ATAR00205	890	CCNA2	Protein coding	4q27
M6ATAR00209	983	CDK1	Protein coding	10q21.2
M6ATAR00210	1017	CDK2	Protein coding	12q13.2
M6ATAR00211	1019	CDK4	Protein coding	12q14.1
M6ATAR00212	1021	CDK6	Protein coding	7q21.2
M6ATAR00213	1026	CDKN1A	Protein coding	6p21.2
M6ATAR00214	1027	CDKN1B	Protein coding	12p13.1
M6ATAR00500	1029	CDKN2A	Protein coding	9p21.3
M6ATAR00748	875	CBS	Protein coding	21q22.3
M6ATAR00484	55083	SLC7A11	Protein coding	.
M6ATAR00217	1545	CYP1B1	Protein coding	2p22.2
M6ATAR00218	1558	CYP2C8	Protein coding	10q23.33
M6ATAR00765	10912	GADD45-Gamma	Protein coding	9q22.2
M6ATAR00693	51339	DACT1	Protein coding	14q23.1
M6ATAR00711	138948	Lnc_DBH-AS1	LncRNA	9q34.2
M6ATAR00622	23604	DAPK2	Protein coding	15q22.31
M6ATAR00690	1613	DAPK3	Protein coding	19p13.3
M6ATAR00151	8847	DLEU2	LncRNA	13q14.2
M6ATAR00231	1823	DSC1	Protein coding	18q12.1
M6ATAR00230	4733	DRG1	Protein coding	22q12.2
M6ATAR00643	51655	RASD1	Protein coding	17p11.2
M6ATAR00227	84649	DGAT2	Protein coding	11q13.5
M6ATAR00627	100505658	DIAPH1-AS1	LncRNA	5q31.3
M6ATAR00721	22943	DKK1	Protein coding	10q21.1
M6ATAR00122	649446	DLGAP1-AS1	LncRNA	18p11.31
M6ATAR00027	.	DMDRMR	LncRNA	.
M6ATAR00658	1789	DNMT3B	Protein coding	20q11.21
M6ATAR00681	1643	DDB2	Protein coding	11p11.2
M6ATAR00470	9575	DDIT3	Protein coding	.
M6ATAR00225	54541	DDIT4	Protein coding	10q22.1
M6ATAR00246	2067	ERCC1	Protein coding	19q13.32
M6ATAR00481	26574	MSH2	Protein coding	.
M6ATAR00482	2956	MSH6	Protein coding	.
M6ATAR00371	51426	POLK	Protein coding	5q13.3
M6ATAR00713	5888	RAD51	Protein coding	15q15.1
M6ATAR00499	4173	MCM4	Protein coding	8q11.21
M6ATAR00321	4174	MCM5	Protein coding	22q12.3
M6ATAR00322	4175	MCM6	Protein coding	2q21.3
M6ATAR00158	4350	MPG	Protein coding	16p13.3

M6ATAR00285	3398	ID2	Protein coding	2p25.1
M6ATAR00463	26574	MRE11	Protein coding	.
M6ATAR00232	1844	DUSP2	Protein coding	2q11.2
M6ATAR00740	1847	DUSP5	Protein coding	10q25.2
M6ATAR00233	1848	DUSP6	Protein coding	12q21.33
M6ATAR00238	1959	EGR2	Protein coding	10q21.3
M6ATAR00382	5903	RANBP2	Protein coding	2q13
M6ATAR00502	9810	RNF40	Protein coding	16p11.2
M6ATAR00270	79872	CBLL1	Protein coding	7q22.3
M6ATAR00579	4193	Mdm2	Protein coding	12q15
M6ATAR00347	23327	NEDD4L	Protein coding	18q21.31
M6ATAR00392	6477	SIAH1	Protein coding	16q12.1
M6ATAR00398	57154	SMURF1	Protein coding	7q22.1
M6ATAR00466	5395	TRIM11	Protein coding	.
M6ATAR00550	81786	TRIM7	Protein coding	5q35.3
M6ATAR00159	1978	EIF4EBP1	Protein coding	8p11.23
M6ATAR00241	1994	ELAVL1	Protein coding	19p13.2
M6ATAR00719	1917	EEF1A2	Protein coding	20q13.33
M6ATAR00545	3309	Grp78	Protein coding	9q33.3
M6ATAR00243	2034	EPAS1	Protein coding	2p21
M6ATAR00544	9844	ELMO1	Protein coding	7p14.2-p14.1
M6ATAR00716	1969	EphA2	Protein coding	1p36.13
M6ATAR00244	2048	EPHB2	Protein coding	1p36.12
M6ATAR00504	2049	EPHB3	Protein coding	3q27.1
M6ATAR00237	1956	EGFR	Protein coding	7p11.2
M6ATAR00242	2014	EMP3	Protein coding	19q13.33
M6ATAR00589	80004	ESRP2	Protein coding	16q22.1
M6ATAR00723	51170	HSD17B11	Protein coding	4q22.1
M6ATAR00247	2104	ESRRG	Protein coding	1q41
M6ATAR00287	1965	EIF2S1	Protein coding	14q23.3
M6ATAR00239	8661	EIF3A	Protein coding	10q26.11
M6ATAR00240	8663	EIF3C	Protein coding	16p11.2
M6ATAR00288	1981	EIF4G1	Protein coding	3q27.1
M6ATAR00630	55959	Sulf2	Protein coding	20q13.12
M6ATAR00143	286333	FAM225A	LncRNA	9q32
M6ATAR00262	8880	FUBP1	Protein coding	1p31.1
M6ATAR00261	6624	FSCN1	Protein coding	7p22.1
M6ATAR00250	2194	FASN	Protein coding	17q25.3
M6ATAR00583	26234	FBXL5	Protein coding	4p15.32
M6ATAR00251	200933	FBXO45	Protein coding	3q29
M6ATAR00252	55294	FBXW7	Protein coding	4q31.3
M6ATAR00103	154860	FEZF1-AS1	LncRNA	7q31.32
M6ATAR00468	9575	FGA	Protein coding	.
M6ATAR00526	2264	FGFR4	Protein coding	5q35.2
M6ATAR00649	2237	FEN1	Protein coding	11q12.2
M6ATAR00254	2319	FLOT2	Protein coding	17q11.2
M6ATAR00554	5747	Fak	Protein coding	8q24.3
M6ATAR00256	2303	FOXC2	Protein coding	16q24.1
M6ATAR00257	2297	FOXD1	Protein coding	5q13.2
M6ATAR00258	2305	FOXM1	Protein coding	12p13.33

M6ATAR00259	2308	FOXO1	Protein coding	13q14.11
M6ATAR00260	2309	FOXO3	Protein coding	6q21
M6ATAR00094	84793	FOXD2-AS1	LncRNA	1p33
M6ATAR00096	400550	FENDRR	LncRNA	16q24.1
M6ATAR00642	11211	FZD10	Protein coding	12q24.33
M6ATAR00718	8324	FZD7	Protein coding	2q33.1
M6ATAR00206	595	CCND1	Protein coding	11q13.3
M6ATAR00207	894	CCND2	Protein coding	12p13.32
M6ATAR00208	898	CCNE1	Protein coding	19q12
M6ATAR00752	9133	CCNB2	Protein coding	15q22.2
M6ATAR00798	11337	GABARAP	Protein coding	17p13.1
M6ATAR00573	3965	LGALS9	Protein coding	17q11.2
M6ATAR00727	2697	GJA1	Protein coding	6q22.31
M6ATAR00095	100506046	GAS5-AS1	LncRNA	1q25.1
M6ATAR00726	81849	ST6GALNAC5	Protein coding	1p31.1
M6ATAR00266	5270	SERPINE2	Protein coding	2q36.1
M6ATAR00269	6513	SLC2A1	Protein coding	1p34.2
M6ATAR00263	2538	G6PC1	Protein coding	17q21.31
M6ATAR00764	2539	G6PD	Protein coding	Xq28
M6ATAR00349	2902	GRIN1	Protein coding	9q34.3
M6ATAR00268	2932	GSK3B	Protein coding	3q13.33
M6ATAR00148	60674	GAS5	LncRNA	1q25.1
M6ATAR00379	3845	KRAS	Protein coding	12p12.1
M6ATAR00767	2778	GNAS	Protein coding	20q13.32
M6ATAR00229	1736	DKC1	Protein coding	Xq28
M6ATAR00156	283120	H19	LncRNA	11p15.5
M6ATAR00279	3303; 3304	HSPA1A	Protein coding	6p21.33
M6ATAR00593	3297	HSF1	Protein coding	8q24.3
M6ATAR00280	3320	HSP90AA1	Protein coding	14q32.31
M6ATAR00508	10855	HPSE	Protein coding	4q21.23
M6ATAR00469	3014	HAVCR1	Protein coding	.
M6ATAR00577	84868	HAVCR2	Protein coding	5q33.3
M6ATAR00325	4233	MET	Protein coding	7q31
M6ATAR00278	6927	HNF1A	Protein coding	12q24.31
M6ATAR00255	3171	FOXA3	Protein coding	19q13.32
M6ATAR00271	3068	HDGF	Protein coding	1q23.1
M6ATAR00283	3099	HK2	Protein coding	2p12
M6ATAR00277	3146	HMGB1	Protein coding	13q12.3
M6ATAR00476	26574	HMGA1	Protein coding	.
M6ATAR00276	8091	HMGA2	Protein coding	12q14.3
M6ATAR00768	9759	HDAC4	Protein coding	2q37.3
M6ATAR00688	10014	HDAC5	Protein coding	17q21.31
M6ATAR00460	3014	H2AX	Protein coding	.
M6ATAR00669	10919	G9a	Protein coding	6p21.33
M6ATAR00249	2146	EZH2	Protein coding	7q36.1
M6ATAR00390	80854	SETD7	Protein coding	4q31.1
M6ATAR00147	493812	HCG11	LncRNA	6p22.2
M6ATAR00603	3198	HOXA1	Protein coding	7p15.2
M6ATAR00491	10481	HOXB13	Protein coding	17q21.32
M6ATAR00282	3214	HOXB4	Protein coding	17q21.32

M6ATAR00344	79923	NANOG	Protein coding	12p13.31
M6ATAR00625	4824	NKX3-1	Protein coding	8p21.2
M6ATAR00631	79618	HMBOX1	Protein coding	8p21.1-p12
M6ATAR00473	28996	HIPK2	Protein coding	.
M6ATAR00098	100874366	HOXC13-AS	LncRNA	12q13.13
M6ATAR00097	401022	HAGLR	LncRNA	2q31.1
M6ATAR00538	9448	MAP4K4	Protein coding	2q11.2
M6ATAR00064	.	hsa_circ_0000231	circRNA	.
M6ATAR00787	.	circCPSF6	circRNA	.
M6ATAR00793	.	hsa_circ_0000677	circRNA	.
M6ATAR00751	.	hsa_circ_0004287	circRNA	.
M6ATAR00057	.	hsa_circ_0004771	circRNA	.
M6ATAR00065	.	hsa_circ_0005630	circRNA	.
M6ATAR00067	.	hsa_circ_0008399	circRNA	.
M6ATAR00495	.	hsa_circ_0008542	circRNA	.
M6ATAR00058	.	hsa_circ_0021427	circRNA	.
M6ATAR00068	.	hsa_circ_0029589	circRNA	.
M6ATAR00069	.	hsa_circ_0058493	circRNA	.
M6ATAR00059	.	hsa_circ_0066779	circRNA	.
M6ATAR00061	.	hsa_circ_0077837	circRNA	.
M6ATAR00070	.	hsa_circ_0081609	circRNA	.
M6ATAR00071	.	hsa_circ_0087293	circRNA	.
M6ATAR00062	.	hsa_circ_0089552	circRNA	.
M6ATAR00072	.	hsa_circ_0092493	circRNA	.
M6ATAR00025	.	hsa-miR-126-5p	microRNA	.
M6ATAR00012	.	hsa-miR-1266-5p	microRNA	.
M6ATAR00013	.	hsa-miR-1268a	microRNA	.
M6ATAR00034	.	hsa-miR-129-5p	microRNA	.
M6ATAR00039	.	hsa-miR-133a-3p	microRNA	.
M6ATAR00055	.	hsa-miR-139-3p	microRNA	.
M6ATAR00056	.	hsa-miR-140-3p	microRNA	.
M6ATAR00017	.	hsa-miR-143-3p	microRNA	.
M6ATAR00050	.	hsa-miR-143-3p	microRNA	.
M6ATAR00063	.	hsa-miR-146a-5p	microRNA	.
M6ATAR00035	.	hsa-miR-150-5p	microRNA	.
M6ATAR00030	406955	hsa-mir-181b-1	microRNA	1q32.1
M6ATAR00540	.	hsa-miR-181b-3p	microRNA	.
M6ATAR00666	.	hsa-miR-181d-5p	microRNA	.
M6ATAR00032	.	hsa-miR-183-3p	microRNA	.
M6ATAR00033	.	hsa-miR-186-5p	microRNA	.
M6ATAR00465	.	hsa-miR-1914-3p	microRNA	.
M6ATAR00641	.	hsa-miR-1915-3p	microRNA	.
M6ATAR00599	574455	hsa-miR-193b	microRNA	16p13.12
M6ATAR00040	.	hsa-miR-199a-5p	microRNA	.
M6ATAR00024	.	hsa-miR-19a-3p	microRNA	.
M6ATAR00049	.	hsa-miR-21-5p	microRNA	.
M6ATAR00028	.	hsa-miR-221-3p	microRNA	.
M6ATAR00733	.	hsa-miR-222-3p	microRNA	.
M6ATAR00021	.	hsa-miR-25-3p	microRNA	.
M6ATAR00653	407017	hsa-miR-26b	microRNA	2q35

M6ATAR00010	.	hsa-miR-29a-3p	microRNA	.
M6ATAR00011	.	hsa-miR-29b-3p	microRNA	.
M6ATAR00534	.	hsa-miR-30c-1-3p	microRNA	.
M6ATAR00617	.	hsa-miR-30c-2-3p	microRNA	.
M6ATAR00743	407033	hsa-miR-30d	microRNA	8q24.22
M6ATAR00037	.	hsa-miR-31-5p	microRNA	.
M6ATAR00672	.	hsa-miR-320a-3p	microRNA	.
M6ATAR00047	.	hsa-miR-320b	microRNA	.
M6ATAR00045	.	hsa-miR-320c	microRNA	.
M6ATAR00046	.	hsa-miR-320d	microRNA	.
M6ATAR00651	407040	hsa-miR-34a	microRNA	1p36.22
M6ATAR00783	.	hsa-miR-375-3p	microRNA	.
M6ATAR00791	.	hsa-miR-380-3p	microRNA	.
M6ATAR00026	.	hsa-miR-422a	microRNA	.
M6ATAR00739	.	hsa-miR-5581-3p	microRNA	.
M6ATAR00730	.	hsa-miR-5586-5p	microRNA	.
M6ATAR00493	.	hsa-miR-582-3p	microRNA	.
M6ATAR00735	.	hsa-miR-589-5p	microRNA	.
M6ATAR00014	.	hsa-miR-671-3p	microRNA	.
M6ATAR00613	.	hsa-miR-671-5p	microRNA	.
M6ATAR00043	.	hsa-miR-766-5p	microRNA	.
M6ATAR00009	.	hsa-miR-873-5p	microRNA	.
M6ATAR00507	.	hsa-miR-99a-5p	microRNA	.
M6ATAR00274	3091	HIF1A	Protein coding	14q23.2
M6ATAR00292	3551	IKBKB	Protein coding	8p11.21
M6ATAR00558	3643	INSR	Protein coding	19p13.2
M6ATAR00559	3667	IRS1	Protein coding	2q36.3
M6ATAR00497	3480	IGF1R	Protein coding	15q26.3
M6ATAR00291	3479	IGF1	Protein coding	12q23.2
M6ATAR00297	3655	ITGA6	Protein coding	2q31.1
M6ATAR00298	3688	ITGB1	Protein coding	10p11.22
M6ATAR00650	3691	ITGB4	Protein coding	17q25.1
M6ATAR00155	3690	ITGB3	Protein coding	17q21.32
M6ATAR00284	3383	ICAM1	Protein coding	19p13.2
M6ATAR00290	3456	IFNB1	Protein coding	9p21.3
M6ATAR00521	3458	IFN-gamma	Protein coding	12q15
M6ATAR00753	3459	IFNGR1	Protein coding	6q23.3
M6ATAR00525	3659	Irf1	Protein coding	5q31.1
M6ATAR00296	3661	IRF3	Protein coding	19q13.33
M6ATAR00289	3433	IFIT2	Protein coding	10q23.31
M6ATAR00536	103	ADAR1	Protein coding	1q21.3
M6ATAR00295	3609	ILF3	Protein coding	19p13.2
M6ATAR00294	3553	IL1B	Protein coding	2q14.1
M6ATAR00293	3589	IL11	Protein coding	19q13.42
M6ATAR00529	3569	IL-6	Protein coding	7p15.3
M6ATAR00458	26574	ITSN2	Protein coding	.
M6ATAR00744	4312	MMP1	Protein coding	11q22.2
M6ATAR00584	3658	IRP2	Protein coding	15q25.1
M6ATAR00286	3417	IDH1	Protein coding	2q34
M6ATAR00031	.	KB-1980E6.3	LncRNA	.

M6ATAR00082	106144538	KCNK15-AS1	LncRNA	20q13.12
M6ATAR00078	104797538	KCNMB2-AS1	LncRNA	3q26.32
M6ATAR00154	10984	KCNQ1OT1	LncRNA	11p15.5
M6ATAR00306	9817	KEAP1	Protein coding	19p13.2
M6ATAR00769	3855	KRT7	Protein coding	12q13.13
M6ATAR00489	26574	KIF26B	Protein coding	.
M6ATAR00307	11004	KIF2C	Protein coding	1p34.1
M6ATAR00692	3797	KIF3C	Protein coding	2p23.3
M6ATAR00792	109729127	KRT7-AS	LncRNA	12q13.13
M6ATAR00510	11278	KLF12	Protein coding	13q22.1
M6ATAR00714	10365	KLF2	Protein coding	19p13.11
M6ATAR00310	9314	KLF4	Protein coding	9q31.2
M6ATAR00311	688	KLF5	Protein coding	13q22.1
M6ATAR00771	3939	LDHA	Protein coding	11p15.1
M6ATAR00146	151534	LBX2-AS1	LncRNA	2p13.1
M6ATAR00041	.	LCAT3	LncRNA	.
M6ATAR00316	11006	LILRB4	Protein coding	19q13.42
M6ATAR00492	961	CD47	Protein coding	3q13.12
M6ATAR00766	27165	GLS2	Protein coding	12q13.3
M6ATAR00099	100506495	LIFR-AS1	LncRNA	5p13.1
M6ATAR00628	3927	LASP1	Protein coding	17q12
M6ATAR00675	171022	ABHD11-AS1	LncRNA	7q11.23
M6ATAR00742	285194	TUSC7	LncRNA	3q13.31
M6ATAR00562	.	LINE-1	Protein coding	.
M6ATAR00317	54596	LITD1	Protein coding	1p31.3
M6ATAR00601	.	Lnc_CDC5L	LncRNA	.
M6ATAR00001	.	Lnc_D63785	LncRNA	.
M6ATAR00588	.	Lnc-LSG1	LncRNA	.
M6ATAR00602	.	Lnc_STAT3	LncRNA	.
M6ATAR00080	101928687	LNCAROD	LncRNA	10q21.1
M6ATAR00788	100130776	AGAP2-AS1	LncRNA	12q14.1
M6ATAR00659	101927541	LINC01273	LncRNA	20q13.13
M6ATAR00081	104355288	LINC01320	LncRNA	2p22.3
M6ATAR00691	107985879	LINC01833	LncRNA	2p21
M6ATAR00074	112588022	LINC02598	LncRNA	12p13.2
M6ATAR00073	644794	LINC02604	LncRNA	7q11.21
M6ATAR00105	100873962	LINC00278	LncRNA	Yp11.31
M6ATAR00100	728192	LINC00460	LncRNA	13q33.2
M6ATAR00157	56651	LINC00470	LncRNA	18p11.32
M6ATAR00784	647979	LncRNA NORAD	LncRNA	20q11.23
M6ATAR00568	106660612	LINC00680	LncRNA	6p11.2
M6ATAR00093	439990	LINC00857	LncRNA	10q22.3
M6ATAR00090	100505865	LINC00920	LncRNA	16q21
M6ATAR00089	100292680	LINC00942	LncRNA	12p13.33
M6ATAR00088	100506305	LINC00958	LncRNA	11p15.3
M6ATAR00678	116372	LYPD1	Protein coding	2q21.2
M6ATAR00315	51176	LEF1	Protein coding	4q25
M6ATAR00332	4321	MMP12	Protein coding	11q22.2
M6ATAR00023	.	.	Protein coding	.
M6ATAR00005	.	.	Protein coding	.

M6ATAR00537	6416	MAP2K4	Protein coding	17p12
M6ATAR00565	2872	MNK2	Protein coding	19p13.3
M6ATAR00337	65108	MARCKSL1	Protein coding	1p35.1
M6ATAR00150	55384	MEG3	LncRNA	14q32.2
M6ATAR00687	10893	MMP24	Protein coding	20q11.22
M6ATAR00335	4318	MMP9	Protein coding	20q13.12
M6ATAR00324	284071	MEIOC	Protein coding	17q21.31
M6ATAR00702	4160	MC4R	Protein coding	18q21.32
M6ATAR00754	9500	MAGED1	Protein coding	Xp11.22
M6ATAR00171	8728	ADAM19	Protein coding	5q33.3
M6ATAR00745	7076	TIMP-1	Protein coding	Xp11.3
M6ATAR00648	7077	TIMP2	Protein coding	17q25.3
M6ATAR00431	7078	TIMP3	Protein coding	22q12.3
M6ATAR00706	261729	STEAP2	Protein coding	7q21.13
M6ATAR00141	378938	MALAT1	LncRNA	11q13.1
M6ATAR00542	9112	MTA1	Protein coding	14q32.33
M6ATAR00326	4255	MGMT	Protein coding	10q26.3
M6ATAR00637	80312	TET1	Protein coding	10q21.3
M6ATAR00228	54487	DGCR8	Protein coding	22q11.21
M6ATAR00138	406901	MIR107	microRNA	10q23.31
M6ATAR00109	100302142	MIR1246	microRNA	2q31.1
M6ATAR00137	406913	MIR126	microRNA	9q34.3
M6ATAR00110	100302270	MIR1305	microRNA	4q34.3
M6ATAR00136	406937	MIR145	microRNA	5q32
M6ATAR00785	406942	MIR150	microRNA	19q13.33
M6ATAR00135	406947	MIR155	microRNA	21q21.3
M6ATAR00134	406962	MIR186	microRNA	1p31.1
M6ATAR00132	406991	MIR21	microRNA	17q23.1
M6ATAR00131	406993	MIR211	microRNA	15q13.3
M6ATAR00130	407006	MIR221	microRNA	Xp11.3
M6ATAR00129	407007	MIR222	microRNA	Xp11.3
M6ATAR00128	407010	MIR23A	microRNA	19p13.12
M6ATAR00127	407014	MIR25	microRNA	7q22.1
M6ATAR00126	407021	MIR29A	microRNA	7q32.3
M6ATAR00121	442904	MIR335	microRNA	7q32.2
M6ATAR00119	442915	MIR370	microRNA	14q32.31
M6ATAR00118	494324	MIR375	microRNA	2q35
M6ATAR00115	693161	MIR576	microRNA	4q25
M6ATAR00114	724030	MIR660	microRNA	Xp11.23
M6ATAR00111	100033819	MIR675	microRNA	11p15.5
M6ATAR00125	407043	MIR7-1	microRNA	9q21.32
M6ATAR00124	407050	MIR93	microRNA	7q22.1
M6ATAR00485	406884	MIRLET7B	microRNA	22q13.31
M6ATAR00139	406890	MIRLET7G	microRNA	3p21.2
M6ATAR00611	4133	MAP2	Protein coding	2q34
M6ATAR00331	81631	MAP1LC3B	Protein coding	16q24.2
M6ATAR00626	4969	OGN	Protein coding	9q22.31
M6ATAR00600	399959	MIR100HG	microRNA	11q24.1
M6ATAR00552	.	MIR17-92	microRNA	.
M6ATAR00585	406958	MIR182	microRNA	7q32.2

M6ATAR00697	406970	MIR194-2	microRNA	11q13.1
M6ATAR00717	574506	MIR503	microRNA	Xq26.3
M6ATAR00483	5395	PMS2	Protein coding	.
M6ATAR00320	57506	MAVS	Protein coding	20p13
M6ATAR00327	5594	MAPK1	Protein coding	22q11.22
M6ATAR00330	1432	MAPK14	Protein coding	6p21.31
M6ATAR00328	5595	MAPK3	Protein coding	16p11.2
M6ATAR00329	5599	MAPK8	Protein coding	10q11.22
M6ATAR00018	.	mmu-miR-365-3p	microRNA	.
M6ATAR00020	.	mmu-miR-7212-5p	microRNA	.
M6ATAR00336	79817	MOB3B	Protein coding	9p21.2
M6ATAR00760	6347	Ccl2	Protein coding	17q12
M6ATAR00532	4087	SMAD2	Protein coding	18q21.1
M6ATAR00396	4088	SMAD3	Protein coding	15q22.33
M6ATAR00738	4091	SMAD6	Protein coding	15q22.31
M6ATAR00397	4092	SMAD7	Protein coding	18q21.1
M6ATAR00710	994	CDC25B	Protein coding	20p13
M6ATAR00722	4584	MUC3A	Protein coding	7q22.1
M6ATAR00772	4363	MRP1	Protein coding	16p13.11
M6ATAR00375	5728	PTEN	Protein coding	10q23.31
M6ATAR00341	4609	MYC	Protein coding	8q24.21
M6ATAR00342	4615	MYD88	Protein coding	3p22.2
M6ATAR00343	7593	MZF1	Protein coding	19q13.43
M6ATAR00079	104564225	MHRT	LncRNA	14q11.2
M6ATAR00654	4625	Myh7	Protein coding	14q11.2
M6ATAR00732	9088	PKMYT1	Protein coding	16p13.3
M6ATAR00605	114548	NLRP3	Protein coding	1q44
M6ATAR00708	22861	NLRP1	Protein coding	17p13
M6ATAR00393	23411	SIRT1	Protein coding	10q21.3
M6ATAR00394	51548	SIRT6	Protein coding	19p13.3
M6ATAR00264	4616	GADD45B	Protein coding	19p13.3
M6ATAR00634	79026	AHNAK	Protein coding	11q12.3
M6ATAR00667	83988	NCALD	Protein coding	8q22.3
M6ATAR00612	4760	NEUROD1	Protein coding	2q31.3
M6ATAR00351	4851	NOTCH1	Protein coding	9q34.3
M6ATAR00566	4853	NOTCH2	Protein coding	1p12
M6ATAR00162	6510	SLC1A5	Protein coding	19q13.32
M6ATAR00683	4792	Nfkbia	Protein coding	14q13.2
M6ATAR00144	254128	NIFK-AS1	LncRNA	2q14.3
M6ATAR00462	2956	NHEJ1	Protein coding	.
M6ATAR00557	25805	BAMBI	Protein coding	10p12.1
M6ATAR00786	751580	LINC00106	LncRNA	Xp22.33 and Yp11.32
M6ATAR00348	4780	NFE2L2	Protein coding	2q31.2
M6ATAR00054	4790	NFKB1	Protein coding	4q24
M6ATAR00140	283131	NEAT1	LncRNA	11q13.1
M6ATAR00352	7101	NR2E1	Protein coding	6q21
M6ATAR00604	8204	NRIP1	Protein coding	21q11.2-q21.1
M6ATAR00490	4924	NUCB1	Protein coding	19q13.33
M6ATAR00606	8996	ARC	Protein coding	16q22.1
M6ATAR00572	4869	NPM1	Protein coding	5q35.1

M6ATAR00541	2186	BPTF	Protein coding	17q24.2
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M6ATAR00355	29948	OSGIN1	Protein coding	16q23.3
M6ATAR00503	10062	LXRA	Protein coding	11p11.2
M6ATAR00549	9127	P2RX6	Protein coding	22q11.21
M6ATAR00646	64065	PERP	Protein coding	6q23.3
M6ATAR00535	5831	PYCR1	Protein coding	17q25.3
M6ATAR00580	5396	PRRX1	Protein coding	1q24.2
M6ATAR00547	3651	Pdx1	Protein coding	13q12.2
M6ATAR00376	5745	PTH1R	Protein coding	3p21.31
M6ATAR00363	5178	PEG3	Protein coding	19q13.43
M6ATAR00359	55010	PARPBP	Protein coding	12q23.2
M6ATAR00362	5163	PDK1	Protein coding	2q31.1
M6ATAR00364	5187	PER1	Protein coding	17p13.1
M6ATAR00236	1962	EHHADH	Protein coding	3q27.2
M6ATAR00475	5395	PPARA	Protein coding	.
M6ATAR00592	5468	PPARG	Protein coding	3p25.2
M6ATAR00746	23481	PES1	Protein coding	22q12.2
M6ATAR00695	55274	PHF10	Protein coding	6q27
M6ATAR00366	23035	PHLPP2	Protein coding	16q22.2
M6ATAR00358	5296	PIK3R2	Protein coding	19p13.11
M6ATAR00624	64077	LHPP	Protein coding	10q26.13
M6ATAR00368	5290	PIK3CA	Protein coding	3q26.32
M6ATAR00369	5291	PIK3CB	Protein coding	3q22.3
M6ATAR00608	5176	PEDF	Protein coding	17p13.3
M6ATAR00761	948	Cd36	Protein coding	7q21.11
M6ATAR00665	56034	PDGFC	Protein coding	4q32.1
M6ATAR00620	5156	PDGFRA	Protein coding	4q12
M6ATAR00571	5159	PDGFRB	Protein coding	5q32
M6ATAR00361	5154	PDGFA	Protein coding	7p22.3
M6ATAR00019	.	PncRNA-D	LncRNA	.
M6ATAR00551	142	PARP1	Protein coding	1q42.12
M6ATAR00519	8658	Tankyrase	Protein coding	8p23.1
M6ATAR00664	648	BMI1	Protein coding	10p12.2
M6ATAR00515	171023	Asxl1	Protein coding	20q11.21
M6ATAR00561	81033	KCNH6	Protein coding	17q23.3
M6ATAR00022	5460	POU5F1	Protein coding	6p21.33
M6ATAR00004	.	p-P70	Protein coding	.
M6ATAR00373	10891	PPARGC1A	Protein coding	4p15.2
M6ATAR00564	7799	PRDM2	Protein coding	1p36.21
M6ATAR00253	9589	WTAP	Protein coding	6q25.3
M6ATAR00632	.	pri-miR-10a	microRNA	.
M6ATAR00623	.	pri-miR-143	microRNA	.
M6ATAR00789	.	pri-miR-221	microRNA	.
M6ATAR00790	.	pri-miR-222	microRNA	.
M6ATAR00636	.	pri-miR-27	microRNA	.
M6ATAR00712	1950	EGF	Protein coding	4q25
M6ATAR00796	5133	PDCD1	Protein coding	2q37.3
M6ATAR00360	29126	CD274	Protein coding	9p24.1
M6ATAR00512	5036	PA2G4	Protein coding	12q13.2

M6ATAR00618	84335	AKT1S1	Protein coding	19q13.33
M6ATAR00689	8842	CD133	Protein coding	4p15.32
M6ATAR00365	5743	PTGS2	Protein coding	1q31.1
M6ATAR00496	100506696	PCAT6	LncRNA	1q32.1
M6ATAR00474	.	AATF	Protein coding	.
M6ATAR00178	3276	PRMT1	Protein coding	19q13.33
M6ATAR00684	10419	PRMT5	Protein coding	14q11.2
M6ATAR00173	26523	AGO1	Protein coding	1p34.3
M6ATAR00638	27161	AGO2	Protein coding	8q24.3
M6ATAR00758	7832	BTG2	Protein coding	1q32.1
M6ATAR00338	862	RUNX1T1	Protein coding	8q21.3
M6ATAR00248	2113	ETS1	Protein coding	11q24.3
M6ATAR00762	92359	CRB3	Protein coding	19p13.3
M6ATAR00598	.	E6	Protein coding	.
M6ATAR00531	81610	FAM83D	Protein coding	20q11.23
M6ATAR00770	5581	PRKCE	Protein coding	2p21
M6ATAR00621	5583	PKC-eta	Protein coding	14q23.1
M6ATAR00720	4753	NELL2	Protein coding	12q12
M6ATAR00563	8650	NUMB	Protein coding	14q24.3
M6ATAR00374	5727	PTCH1	Protein coding	9q22.32
M6ATAR00372	5494	PPM1A	Protein coding	14q23.1
M6ATAR00633	55920	RCC2	Protein coding	1p36.13
M6ATAR00655	60485	SAV1	Protein coding	14q22.1
M6ATAR00662	6418	SET	Protein coding	9q34.11
M6ATAR00409	10253	SPRY2	Protein coding	13q31.1
M6ATAR00448	25962	VIRMA	Protein coding	8q22.1
M6ATAR00670	7474	WNT5A	Protein coding	3p14.3
M6ATAR00680	51646	YPEL5	Protein coding	2p23.1
M6ATAR00429	7052	TGM2	Protein coding	20q11.23
M6ATAR00619	79633	FAT4	Protein coding	4q28.1
M6ATAR00700	5966	c-Rel	Protein coding	2p16.1
M6ATAR00694	7471	Wnt1	Protein coding	12q13.12
M6ATAR00509	103752588	PACERR	LncRNA	1q31.1
M6ATAR00167	403314	APOBEC4	Protein coding	1q25.3
M6ATAR00281	.	HSPA7	Protein coding	1q23.3
M6ATAR00377	.	PTTG3P	Protein coding	8q13.1
M6ATAR00181	.	ARHGAP5-AS1	Protein coding	14q12
M6ATAR00224	.	DANCR	Protein coding	4q12
M6ATAR00153	5820	PVT1	LncRNA	8q24.21
M6ATAR00555	5166	PDK4	Protein coding	7q21.3
M6ATAR00312	5315	PKM	Protein coding	15q23
M6ATAR00175	207	AKT1	Protein coding	14q32.33
M6ATAR00176	10000	AKT3	Protein coding	1q43-q44
M6ATAR00773	10635	RAD51AP1	Protein coding	12p13.32
M6ATAR00319	10542	LAMTOR5	Protein coding	1p13.3
M6ATAR00709	8826	IQGAP1	Protein coding	15q26.1
M6ATAR00380	57403	RAB22A	Protein coding	20q13.32
M6ATAR00381	9821	RB1CC1	Protein coding	8q11.23
M6ATAR00245	2064	ERBB2	Protein coding	17q12
M6ATAR00384	8767	RIPK2	Protein coding	8q21.3

M6ATAR00576	5788	CD45	Protein coding	1q31.3-q32.1
M6ATAR00378	5914	RARA	Protein coding	17q21.2
M6ATAR00797	.	PML-RAR-Alpha	Protein coding	.
M6ATAR00698	10743	RAI1	Protein coding	17p11.2
M6ATAR00661	23089	PEG10	Protein coding	7q21.3
M6ATAR00795	394	ARHGAP5	Protein coding	14q12
M6ATAR00383	10395	DLC1	Protein coding	8p22
M6ATAR00647	9181	ARHGEF2	Protein coding	1q22
M6ATAR00142	78998	RHPN1-AS1	LncRNA	8q24.3
M6ATAR00385	29102	DROSHA	Protein coding	5p13.3
M6ATAR00313	6198	RPS6KB1	Protein coding	17q23.1
M6ATAR00567	23586	RIG-I	Protein coding	9p21.1
M6ATAR00345	6023	NME1	LncRNA	9p13.3
M6ATAR00353	54888	NSUN2	Protein coding	5p15.31
M6ATAR00350	28987	NOB1	Protein coding	16q22.1
M6ATAR00052	.	RP11-108L7.15	LncRNA	.
M6ATAR00513	860	Runx2	Protein coding	6p21.1
M6ATAR00457	488	ATP2A2	Protein coding	.
M6ATAR00413	8578	SCARF1	Protein coding	17p13.3
M6ATAR00645	6423	SFRP2	Protein coding	4q31.3
M6ATAR00076	107126285	SEPTIN14P20	LncRNA	20q13.33
M6ATAR00410	8878	SQSTM1	Protein coding	5q35.3
M6ATAR00570	10772	SRSF10	Protein coding	1p36.11
M6ATAR00415	9295	SRSF11	Protein coding	1p31.1
M6ATAR00416	6428	SRSF3	Protein coding	6p21.31-p21.2
M6ATAR00417	6431	SRSF6	Protein coding	20q13.11
M6ATAR00779	6432	SRSF7	Protein coding	2p22.1
M6ATAR00734	6789	STK4	Protein coding	20q13.12
M6ATAR00314	26524	LATS2	Protein coding	13q12.11
M6ATAR00339	2475	MTOR	Protein coding	1p36.22
M6ATAR00367	65018	PINK1	Protein coding	1p36.12
M6ATAR00370	5347	PLK1	Protein coding	16p12.2
M6ATAR00420	6794	STK11	Protein coding	19p13.3
M6ATAR00444	8408	ULK1	Protein coding	12q24.33
M6ATAR00192	472	ATM	Protein coding	11q22.3
M6ATAR00461	5395	SRF	Protein coding	.
M6ATAR00801	6773	STAT2	Protein coding	12q13.3
M6ATAR00418	6774	STAT3	Protein coding	17q21.2
M6ATAR00736	6776	STAT5A	Protein coding	17q21.2
M6ATAR00395	90417	KNSTRN	Protein coding	15q15.1
M6ATAR00704	84973	SNHG7	LncRNA	9q34.3
M6ATAR00117	23642	SNHG1	LncRNA	11q12.3
M6ATAR00477	8420	SNHG3	LncRNA	1p35.3
M6ATAR00113	724102	SNHG4	LncRNA	5q31.2
M6ATAR00703	8243	SMC1A	Protein coding	Xp11.22
M6ATAR00048	.	S-mu-GLT	LncRNA	.
M6ATAR00387	6557	SLC12A1	Protein coding	15q21.1
M6ATAR00498	30061	FPN1	Protein coding	2q32.2
M6ATAR00591	.	SOX	Protein coding	.
M6ATAR00802	6712	SPTBN2	Protein coding	11q13.2

M6ATAR00629	8877	SPHK1	Protein coding	17q25.1
M6ATAR00778	56848	SPHK2	Protein coding	19q13.33
M6ATAR00494	10946	SF3A3	Protein coding	1p34.3
M6ATAR00391	6421	SFPQ	Protein coding	1p34.3
M6ATAR00464	5395	SPRED2	Protein coding	.
M6ATAR00414	6733	SRPK2	Protein coding	7q22.3
M6ATAR00400	27044	SND1	Protein coding	7q32.1
M6ATAR00388	6319	SCD	Protein coding	10q24.31
M6ATAR00411	6720	SREBF1	Protein coding	17p11.2
M6ATAR00419	340061	STING1	Protein coding	5q31.2
M6ATAR00530	4314	MMP-3	Protein coding	11q22.2
M6ATAR00800	29843	SENPI	Protein coding	12q13.11
M6ATAR00402	6648	SOD2	Protein coding	6q25.3
M6ATAR00774	8651	SOCS1	Protein coding	16p13.13
M6ATAR00401	8835	SOCS2	Protein coding	12q
M6ATAR00610	9021	SOCS3	Protein coding	17q25.3
M6ATAR00776	122809	SOCS4	Protein coding	14q22.3
M6ATAR00775	9655	SOCS5	Protein coding	2p21
M6ATAR00777	9306	SOCS6	Protein coding	18q22.2
M6ATAR00673	102724316	SVIL-AS1	LncRNA	10p11.23
M6ATAR00682	64223	MLST8	Protein coding	16p13.3
M6ATAR00595	10024	TROAP	Protein coding	12q13.12
M6ATAR00423	6886	TAL1	Protein coding	1p33
M6ATAR00075	100506797	THORLNC	LncRNA	2q14.2
M6ATAR00737	7048	TGF-Beta-R2	Protein coding	3p24.1
M6ATAR00102	439931	THAP7-AS1	LncRNA	22q11.21
M6ATAR00430	7295	TXN	Protein coding	9q31.3
M6ATAR00578	81567	TXNDC5	Protein coding	6p24.3
M6ATAR00486	5395	THBS1	Protein coding	.
M6ATAR00308	7083	TK1	Protein coding	17q25.3
M6ATAR00615	7980	TFPI-2	Protein coding	7q21.3
M6ATAR00725	7273	Titin	Protein coding	2q31.2
M6ATAR00514	7128	TNFAIP3	Protein coding	6q23.3
M6ATAR00435	7185	TRAF1	Protein coding	9q33.2
M6ATAR00674	9618	TRAF4	Protein coding	17q11.2
M6ATAR00671	7188	TRAF5	Protein coding	1q32.3
M6ATAR00596	7189	TRAF6	Protein coding	11p12
M6ATAR00007	.	Tnfrsf2	Protein coding	.
M6ATAR00265	2625	GATA3	Protein coding	10p14
M6ATAR00607	6934	TCF7L2	Protein coding	10q25.2-q25.3
M6ATAR00180	7022	TFAP2C	Protein coding	20q13.31
M6ATAR00179	7020	TFAP2A	Protein coding	6p24.3
M6ATAR00234	1869	E2F1	Protein coding	20q11.22
M6ATAR00235	1871	E2F3	Protein coding	6p22.3
M6ATAR00560	79733	E2F8	Protein coding	11p15.1
M6ATAR00657	1877	E4F1	Protein coding	16p13.3
M6ATAR00426	7942	TFEB	Protein coding	6p21.1
M6ATAR00272	3280	HES1	Protein coding	3q29
M6ATAR00273	388585	HES5	Protein coding	1p36.32
M6ATAR00505	3097	HIVEP2	Protein coding	6q24.2

M6ATAR00524	6772	Stat1	Protein coding	2q32.2
M6ATAR00301	3725	JUN	Protein coding	1p32.1
M6ATAR00302	3726	JUNB	Protein coding	19p13.13
M6ATAR00425	5970	RELA	Protein coding	11q13.1
M6ATAR00408	6688	SPI1	Protein coding	11p11.2
M6ATAR00403	6663	SOX10	Protein coding	22q13.1
M6ATAR00404	6657	SOX2	Protein coding	3q26.33
M6ATAR00405	6659	SOX4	Protein coding	6p22.3
M6ATAR00406	6667	SP1	Protein coding	12q13.13
M6ATAR00407	6668	SP2	Protein coding	17q21.32
M6ATAR00340	4602	MYB	Protein coding	6q23.3
M6ATAR00451	10413	YAP1	Protein coding	11q22.1
M6ATAR00424	8463	TEAD2	Protein coding	19q13.33
M6ATAR00635	7528	YY1	Protein coding	14q32.2
M6ATAR00427	7037	TFRC	Protein coding	3q29
M6ATAR00422	10460	TACC3	Protein coding	4p16.3
M6ATAR00488	5395	TGFB1	Protein coding	.
M6ATAR00428	7042	TGFB2	Protein coding	1q41
M6ATAR00581	6876	SM22alpha	Protein coding	11q23.3
M6ATAR00656	9697	TRAM2	Protein coding	6p12.2
M6ATAR00389	7095	SEC62	Protein coding	3q26.2
M6ATAR00478	5395	TM9SF1	Protein coding	.
M6ATAR00506	28951	TRIB2	Protein coding	2p24.3
M6ATAR00436	23650	TRIM29	Protein coding	11q23.3
M6ATAR00432	7124	TNF	Protein coding	6p21.33
M6ATAR00434	8797	TNFRSF10A	Protein coding	8p21.3
M6ATAR00433	355	FAS	Protein coding	10q23.31
M6ATAR00357	8626	TP63	Protein coding	3q28
M6ATAR00763	5610	eIF2AK2	Protein coding	2p22.2
M6ATAR00511	2534	FYN	Protein coding	6q21
M6ATAR00299	3717	JAK2	Protein coding	9p24.1
M6ATAR00300	3718	JAK3	Protein coding	19p13.11
M6ATAR00686	7075	TIE1	Protein coding	1p34.2
M6ATAR00443	558	AXL	Protein coding	19q13.2
M6ATAR00639	5777	PTPN6	Protein coding	12p13.31
M6ATAR00149	26121	PRPF31	Protein coding	19q13.42
M6ATAR00084	550112	UBA6-DT	LncRNA	4q13.2
M6ATAR00442	56893	UBQLN4	Protein coding	1q22
M6ATAR00438	7398	USP1	Protein coding	1p31.3
M6ATAR00439	9097	USP14	Protein coding	18p11.32
M6ATAR00501	23326	USP22	Protein coding	17p11.2
M6ATAR00668	7375	USP4	Protein coding	3p21.31
M6ATAR00440	84196	USP48	Protein coding	1p36.12
M6ATAR00441	7874	USP7	Protein coding	16p13.2
M6ATAR00640	1540	CYLD	Protein coding	16q12.1
M6ATAR00799	7329	UBE2I	Protein coding	16p13.3
M6ATAR00705	257000	TINCR	Protein coding	19p13.3
M6ATAR00437	11065	UBE2C	Protein coding	20q13.12
M6ATAR00590	55236	UBA6	Protein coding	4q13.2
M6ATAR00190	10533	ATG7	Protein coding	3p25.3

M6ATAR00186	9140	ATG12	Protein coding	5q22.3
M6ATAR00188	64422	ATG3	Protein coding	3q13.2
M6ATAR00731	51035	UBXN1	Protein coding	11q12.3
M6ATAR00780	7364	UGT2B7	Protein coding	4q13.2
M6ATAR00609	7371	UCK2	Protein coding	1q24.1
M6ATAR00663	5328	PLAU	Protein coding	10q22.2
M6ATAR00107	652995	UCA1	LncRNA	19p13.12
M6ATAR00449	84313	VPS25	Protein coding	17q21.31
M6ATAR00445	81839	VANGL1	Protein coding	1p13.1
M6ATAR00487	7412	VCAM1	Protein coding	.
M6ATAR00446	7422	VEGFA	Protein coding	6p21.1
M6ATAR00781	554	Avpr2	Protein coding	Xq28
M6ATAR00518	7431	vimentin	Protein coding	10p13
M6ATAR00447	7428	VHL	Protein coding	3p25.3
M6ATAR00724	7465	WEE1	Protein coding	11p15.4
M6ATAR00480	55083	WT1	Protein coding	.
M6ATAR00450	11197	WIF1	Protein coding	12q14.3
M6ATAR00152	7503	XIST	LncRNA	Xq13.2
M6ATAR00452	4904	YBX1	Protein coding	1p34.2
M6ATAR00782	7525	YES1	Protein coding	18p11.32
M6ATAR00553	57659	ZBTB4	Protein coding	17p13.1
M6ATAR00453	6935	ZEB1	Protein coding	10p11.22
M6ATAR00454	79830	ZMYM1	Protein coding	1p34.3
M6ATAR00455	23060	ZNF609	Protein coding	15q22.1
M6ATAR00456	79755	ZNF750	Protein coding	17q25.3
M6ATAR00267	2735	GLI1	Protein coding	12q13.3
M6ATAR00399	6615	SNAIL	Protein coding	20q13.13
M6ATAR00677	6591	Slug	Protein coding	8q11.21
M6ATAR00112	441951	ZFAS1	LncRNA	20q13.13

Supplementary table 2. Potential target genes of IGF2BP3

Regulator ID	target symbol	GSE	log2FoldChange	perturbation	direction	pvalue
REG00014	MTA1	GSE109604	-24.60316349	knock down	down-regulator	2.72E-07
REG00014	BAIAP3	GSE109604	-8.810442128	knock down	down-regulator	1.36E-13
REG00014	ATP5F1D	GSE109604	-7.676062196	knock down	down-regulator	1.27E-13
REG00014	MED25	GSE109604	-6.145042772	knock down	down-regulator	0.006360168
REG00014	MAN2A2	GSE109604	-6.035720845	knock down	down-regulator	0.008166452
REG00014	ANO7	GSE109604	-5.794961219	knock down	down-regulator	0.006922137
REG00014	MMADHC	GSE109604	-5.695530545	knock down	down-regulator	0.02071685
REG00014	MPST	GSE109604	-5.541729803	knock down	down-regulator	0.029988203
REG00014	TMBIM6	GSE109604	-5.393946208	knock down	down-regulator	0.000239833
REG00014	ESM1	GSE109604	-5.231923195	knock down	down-regulator	2.15E-06
REG00014	UQCRHL	GSE109604	-5.189840681	knock down	down-regulator	2.41E-08
REG00014	TMEM106C	GSE109604	-5.099161266	knock down	down-regulator	6.96E-07
REG00014	ATAD1	GSE109604	-4.961845844	knock down	down-regulator	0.000736656
REG00014	FAM114A1	GSE109604	-4.904838173	knock down	down-regulator	0.048014615
REG00014	TNIK	GSE109604	-4.901321361	knock down	down-regulator	5.82E-08
REG00014	UEVLD	GSE109604	-4.727382277	knock down	down-regulator	2.85E-06
REG00014	BIRC5	GSE109604	-4.689516712	knock down	down-regulator	3.21E-29
REG00014	ILKAP	GSE109604	-4.662427988	knock down	down-regulator	0.04398751
REG00014	FCGRT	GSE109604	-4.628955877	knock down	down-regulator	0.043841155
REG00014	H6PD	GSE109604	-4.548735245	knock down	down-regulator	0.031495264
REG00014	LZTS3	GSE109604	-4.522536353	knock down	down-regulator	0.001732652
REG00014	BCL11A	GSE109604	-4.490428335	knock down	down-regulator	2.44E-73
REG00014	TRIM47	GSE109604	-4.440537822	knock down	down-regulator	7.37E-05
REG00014	LRRC59	GSE109604	-4.331145937	knock down	down-regulator	0.010707086
REG00014	TNFRSF19	GSE109604	-4.325734685	knock down	down-regulator	1.09E-06
REG00014	TMEM245	GSE109604	-4.295540764	knock down	down-regulator	5.47E-06
REG00014	BICD1	GSE109604	-4.197184803	knock down	down-regulator	0.003859512
REG00014	CDC25C	GSE109604	-4.010000347	knock down	down-regulator	2.95E-06
REG00014	TNK2	GSE109604	-3.945559632	knock down	down-regulator	2.84E-06
REG00014	AXIN2	GSE109604	-3.633589731	knock down	down-regulator	9.35E-12
REG00014	FSTL3	GSE109604	-3.607680473	knock down	down-regulator	0.00026877
REG00014	B3GLCT	GSE109604	-3.578112667	knock down	down-regulator	0.000440855
REG00014	TMEM164	GSE109604	-3.573017895	knock down	down-regulator	2.49E-07
REG00014	TLE5	GSE109604	-3.419983563	knock down	down-regulator	1.01E-05
REG00014	TNFRSF21	GSE109604	-3.375605603	knock down	down-regulator	5.02E-06
REG00014	TNFRSF9	GSE109604	-3.320894264	knock down	down-regulator	0.000314633
REG00014	TRPM2	GSE109604	-3.30110155	knock down	down-regulator	2.62E-05
REG00014	TSR1	GSE109604	-3.264736431	knock down	down-regulator	9.15E-05
REG00014	BTD	GSE109604	-3.133665626	knock down	down-regulator	9.51E-06
REG00014	TIMM17B	GSE109604	-3.067778815	knock down	down-regulator	0.004258762
REG00014	TMEM177	GSE109604	-2.966509755	knock down	down-regulator	0.000199627
REG00014	RBL1	GSE109604	-2.96381396	knock down	down-regulator	0.007889103
REG00014	ABCB1	GSE109604	-2.959666361	knock down	down-regulator	2.00E-10
REG00014	HEG1	GSE109604	-2.952311517	knock down	down-regulator	1.04E-10
REG00014	NRIP3	GSE109604	-2.90327871	knock down	down-regulator	5.55E-05
REG00014	POLM	GSE109604	-2.813013405	knock down	down-regulator	0.007816655
REG00014	TKFC	GSE109604	-2.756209309	knock down	down-regulator	0.001166443
REG00014	TMOD2	GSE109604	-2.752114488	knock down	down-regulator	1.65E-05

REG00014	ZNF837	GSE109604	-2.711778734	knock down	down-regulator	0.000643579
REG00014	CD320	GSE109604	-2.697498454	knock down	down-regulator	0.036021875
REG00014	IGF2BP3	GSE109604	-2.694363275	knock down	down-regulator	2.99E-08
REG00014	LONP2	GSE109604	-2.688327233	knock down	down-regulator	0.009992393
REG00014	TSPOAP1	GSE109604	-2.674630273	knock down	down-regulator	2.21E-05
REG00014	CCDC15	GSE109604	-2.659834503	knock down	down-regulator	0.004661786
REG00014	ZNF773	GSE109604	-2.657769742	knock down	down-regulator	0.037264333
REG00014	USP9X	GSE109604	-2.650383551	knock down	down-regulator	0.000154489
REG00014	TUFT1	GSE109604	-2.63288787	knock down	down-regulator	1.46E-05
REG00014	TFRC	GSE109604	-2.629275367	knock down	down-regulator	0.000210068
REG00014	UBE2R2	GSE109604	-2.626293351	knock down	down-regulator	0.001589747
REG00014	STUM	GSE109604	-2.565397441	knock down	down-regulator	0.004446677
REG00014	CSAD	GSE109604	-2.547310624	knock down	down-regulator	0.002577833
REG00014	ADAMTS2	GSE109604	-2.519068078	knock down	down-regulator	0.001783108
REG00014	UNG	GSE109604	-2.504690126	knock down	down-regulator	9.59E-06
REG00014	HSPG2	GSE109604	-2.503536384	knock down	down-regulator	0.030283709
REG00014	TCAF2	GSE109604	-2.497727092	knock down	down-regulator	0.005437987
REG00014	TOMM22	GSE109604	-2.485270792	knock down	down-regulator	9.03E-06
REG00014	FN1	GSE109604	-2.479215706	knock down	down-regulator	0.020594775
REG00014	TCEAL8	GSE109604	-2.459456773	knock down	down-regulator	0.006590192
REG00014	TMEM80	GSE109604	-2.407919757	knock down	down-regulator	0.00798861
REG00014	ADAMTS12	GSE109604	-2.374761771	knock down	down-regulator	0.04651253
REG00014	PMM1	GSE109604	-2.360347035	knock down	down-regulator	0.000602289
REG00014	TRAPPC4	GSE109604	-2.352377562	knock down	down-regulator	0.000230285
REG00014	ATP6AP1	GSE109604	-2.350966505	knock down	down-regulator	0.026593885
REG00014	TRIM21	GSE109604	-2.33874363	knock down	down-regulator	0.000188572
REG00014	C14orf119	GSE109604	-2.322176703	knock down	down-regulator	0.025802811
REG00014	WDR36	GSE109604	-2.31439633	knock down	down-regulator	2.14E-28
REG00014	TMEM175	GSE109604	-2.313854199	knock down	down-regulator	0.001210679
REG00014	RTTN	GSE109604	-2.302546949	knock down	down-regulator	0.041198625
REG00014	BTBD2	GSE109604	-2.299759515	knock down	down-regulator	1.06E-08
REG00014	TMEM59L	GSE109604	-2.266436159	knock down	down-regulator	7.27E-05
REG00014	TMEM201	GSE109604	-2.253245923	knock down	down-regulator	1.10E-05
REG00014	FAM120C	GSE109604	-2.239694286	knock down	down-regulator	0.028982444
REG00014	CROT	GSE109604	-2.232837685	knock down	down-regulator	1.05E-05
REG00014	MDH1	GSE109604	-2.215082714	knock down	down-regulator	3.52E-05
REG00014	PAK4	GSE109604	-2.212712877	knock down	down-regulator	0.002004588
REG00014	C22orf39	GSE109604	-2.20250017	knock down	down-regulator	0.027612937
REG00014	C20orf204	GSE109604	-2.198733899	knock down	down-regulator	0.025067229
REG00014	TRIP6	GSE109604	-2.184178819	knock down	down-regulator	3.23E-05
REG00014	TMEM198	GSE109604	-2.155313646	knock down	down-regulator	1.69E-05
REG00014	ATXN3	GSE109604	-2.113412848	knock down	down-regulator	0.026406999
REG00014	TMX2	GSE109604	-2.094538349	knock down	down-regulator	0.000548614
REG00014	BCAR1	GSE109604	-2.086523334	knock down	down-regulator	8.48E-22
REG00014	TTLL11	GSE109604	-2.085089682	knock down	down-regulator	0.002695405
REG00014	HLX	GSE109604	-2.0752075	knock down	down-regulator	6.37E-126
REG00014	BBS5	GSE109604	-2.050816865	knock down	down-regulator	1.31E-08
REG00014	CCN3	GSE109604	-2.038939533	knock down	down-regulator	0.002021185
REG00014	PLPP4	GSE109604	-2.026655249	knock down	down-regulator	0.000212931
REG00014	PEAR1	GSE109604	-2.024402729	knock down	down-regulator	0.017147727

REG00014	DRG1	GSE109604	-2.021864947	knock down	down-regulator	6.29E-06
REG00014	PARP2	GSE109604	-2.004595312	knock down	down-regulator	0.016994948
REG00014	CLCN5	GSE109604	-1.968906323	knock down	down-regulator	0.004292528
REG00014	FUNDC1	GSE109604	-1.964533402	knock down	down-regulator	0.00182208
REG00014	FAM193B	GSE109604	-1.951125748	knock down	down-regulator	0.001476548
REG00014	ZNF148	GSE109604	-1.950836419	knock down	down-regulator	1.24E-21
REG00014	PIH1D2	GSE109604	-1.93557465	knock down	down-regulator	6.18E-05
REG00014	COQ5	GSE109604	-1.90639404	knock down	down-regulator	0.000181199
REG00014	ZDHHC8	GSE109604	-1.902195292	knock down	down-regulator	8.51E-07
REG00014	TIMP1	GSE109604	-1.889188641	knock down	down-regulator	0.00991633
REG00014	TRMT61B	GSE109604	-1.883160964	knock down	down-regulator	0.000572153
REG00014	TVP23B	GSE109604	-1.879234585	knock down	down-regulator	5.98E-07
REG00014	LCAT	GSE109604	-1.867039505	knock down	down-regulator	0.000471316
REG00014	RNF208	GSE109604	-1.866569349	knock down	down-regulator	0.00156339
REG00014	MAGEB17	GSE109604	-1.864250542	knock down	down-regulator	0.000210506
REG00014	HNRNPH2	GSE109604	-1.863486861	knock down	down-regulator	0.013011927
REG00014	BICC1	GSE109604	-1.856933096	knock down	down-regulator	8.69E-12
REG00014	TGFBR1	GSE109604	-1.841985229	knock down	down-regulator	3.56E-06
REG00014	TUBB6	GSE109604	-1.840183669	knock down	down-regulator	0.000716607
REG00014	CHRM3	GSE109604	-1.832168738	knock down	down-regulator	0.027679306
REG00014	TMSB15A	GSE109604	-1.816675424	knock down	down-regulator	0.0028108
REG00014	ATG10	GSE109604	-1.779796717	knock down	down-regulator	0.004626035
REG00014	PIP4K2C	GSE109604	-1.778372806	knock down	down-regulator	0.000315543
REG00014	PLAU	GSE109604	-1.761954274	knock down	down-regulator	0.000101124
REG00014	USP37	GSE109604	-1.759798072	knock down	down-regulator	0.000588889
REG00014	BTN3A1	GSE109604	-1.756221935	knock down	down-regulator	6.78E-09
REG00014	DNM1	GSE109604	-1.749950955	knock down	down-regulator	0.00578644
REG00014	TCEAL3	GSE109604	-1.742184885	knock down	down-regulator	0.00542031
REG00014	FAM8A1	GSE109604	-1.735696027	knock down	down-regulator	0.008209292
REG00014	CXCL2	GSE109604	-1.732172103	knock down	down-regulator	0.006885558
REG00014	GET3	GSE109604	-1.725687394	knock down	down-regulator	7.57E-13
REG00014	DEAF1	GSE109604	-1.720746099	knock down	down-regulator	0.000161376
REG00014	CCDC50	GSE109604	-1.715146618	knock down	down-regulator	0.000270162
REG00014	RHOA	GSE109604	-1.703737595	knock down	down-regulator	0.010270824
REG00014	DCTN4	GSE109604	-1.702854542	knock down	down-regulator	0.011220668
REG00014	AMH	GSE109604	-1.701443352	knock down	down-regulator	0.026853888
REG00014	FUT10	GSE109604	-1.696230335	knock down	down-regulator	0.028230319
REG00014	TTYH3	GSE109604	-1.687607111	knock down	down-regulator	0.000698104
REG00014	HSD11B1	GSE109604	-1.684342708	knock down	down-regulator	0.047754268
REG00014	CDC16	GSE109604	-1.681528507	knock down	down-regulator	1.80E-05
REG00014	B3GALNT2	GSE109604	-1.675518313	knock down	down-regulator	3.48E-13
REG00014	PNMA6A	GSE109604	-1.670015989	knock down	down-regulator	0.023561805
REG00014	ERRFI1	GSE109604	-1.662436897	knock down	down-regulator	0.000823852
REG00014	TLX1	GSE109604	-1.656473382	knock down	down-regulator	0.046829025
REG00014	CCM2	GSE109604	-1.65468225	knock down	down-regulator	0.000897378
REG00014	ATG14	GSE109604	-1.636767522	knock down	down-regulator	1.07E-21
REG00014	ATP6V1B1	GSE109604	-1.634950666	knock down	down-regulator	1.90E-05
REG00014	GLT8D2	GSE109604	-1.632426927	knock down	down-regulator	4.71E-05
REG00014	DCBLD1	GSE109604	-1.631586944	knock down	down-regulator	8.42E-15
REG00014	FZD8	GSE109604	-1.62437247	knock down	down-regulator	0.001980509

REG00014	CCDC71	GSE109604	-1.61565893	knock down	down-regulator	0.004079181
REG00014	NLRP6	GSE109604	-1.599379141	knock down	down-regulator	0.001085257
REG00014	KIF20A	GSE109604	-1.597334101	knock down	down-regulator	9.81E-28
REG00014	GORAB	GSE109604	-1.595605955	knock down	down-regulator	0.043969144
REG00014	VGf	GSE109604	-1.593129909	knock down	down-regulator	5.02E-12
REG00014	MORC4	GSE109604	-1.59288689	knock down	down-regulator	0.017725536
REG00014	ATP6V1E1	GSE109604	-1.5908099	knock down	down-regulator	0.000560268
REG00014	F3	GSE109604	-1.587980002	knock down	down-regulator	0.000687921
REG00014	ESD	GSE109604	-1.58334025	knock down	down-regulator	0.006001287
REG00014	ZNF512B	GSE109604	-1.576901341	knock down	down-regulator	3.84E-15
REG00014	POPDC3	GSE109604	-1.576690658	knock down	down-regulator	5.09E-08
REG00014	PTPRS	GSE109604	-1.573009456	knock down	down-regulator	0.000849014
REG00014	MCIDAS	GSE109604	-1.569980678	knock down	down-regulator	0.037623322
REG00014	STC1	GSE109604	-1.568958242	knock down	down-regulator	0.001481412
REG00014	TFR2	GSE109604	-1.563983108	knock down	down-regulator	0.00282894
REG00014	PAG1	GSE109604	-1.56033538	knock down	down-regulator	0.016803328
REG00014	EXOSC8	GSE109604	-1.559601576	knock down	down-regulator	0.001106739
REG00014	DIP2A	GSE109604	-1.556342651	knock down	down-regulator	0.005571691
REG00014	TRNAU1AP	GSE109604	-1.551824984	knock down	down-regulator	0.000704464
REG00014	SNX7	GSE109604	-1.55092663	knock down	down-regulator	0.00028061
REG00014	ANOS1	GSE109604	-1.545533617	knock down	down-regulator	0.03374287
REG00014	PNPLA3	GSE109604	-1.538770809	knock down	down-regulator	0.028348919
REG00014	GPR68	GSE109604	-1.537733523	knock down	down-regulator	7.49E-05
REG00014	DEXI	GSE109604	-1.535539314	knock down	down-regulator	1.98E-08
REG00014	AHDC1	GSE109604	-1.534913524	knock down	down-regulator	0.000314674
REG00014	ABCA1	GSE109604	-1.523726671	knock down	down-regulator	0.001287544
REG00014	EI24	GSE109604	-1.522120959	knock down	down-regulator	0.000292354
REG00014	OCLN	GSE109604	-1.514142301	knock down	down-regulator	0.000548793
REG00014	ZBTB38	GSE109604	-1.509984919	knock down	down-regulator	2.79E-10
REG00014	ZNF77	GSE109604	-1.509672146	knock down	down-regulator	0.041129273
REG00014	HSPB1	GSE109604	-1.498993256	knock down	down-regulator	1.29E-13
REG00014	ABCA2	GSE109604	-1.49516403	knock down	down-regulator	0.049948987
REG00014	S1PR3	GSE109604	-1.494289062	knock down	down-regulator	2.65E-05
REG00014	YJU2B	GSE109604	-1.489385227	knock down	down-regulator	2.88E-15
REG00014	MRPL54	GSE109604	-1.483793227	knock down	down-regulator	0.002605512
REG00014	GTPBP3	GSE109604	-1.480393224	knock down	down-regulator	5.54E-16
REG00014	PSCA	GSE109604	-1.479013738	knock down	down-regulator	0.000582322
REG00014	VPS41	GSE109604	-1.478599498	knock down	down-regulator	5.98E-26
REG00014	GGTLC2	GSE109604	-1.477232918	knock down	down-regulator	1.21E-14
REG00014	RNF157	GSE109604	-1.471654696	knock down	down-regulator	9.35E-07
REG00014	ERCC5	GSE109604	-1.466724583	knock down	down-regulator	0.003717637
REG00014	COPS3	GSE109604	-1.463480605	knock down	down-regulator	0.004923068
REG00014	YWHAZ	GSE109604	-1.462089052	knock down	down-regulator	0.000654658
REG00014	FOXG1	GSE109604	-1.457032268	knock down	down-regulator	0.000257192
REG00014	COQ4	GSE109604	-1.457024347	knock down	down-regulator	0.049176339
REG00014	CCDC116	GSE109604	-1.456842691	knock down	down-regulator	0.04916878
REG00014	NPDC1	GSE109604	-1.452209215	knock down	down-regulator	0.021684037
REG00014	ZNF544	GSE109604	-1.448776125	knock down	down-regulator	4.52E-06
REG00014	ATP5MJ	GSE109604	-1.441311193	knock down	down-regulator	9.26E-54
REG00014	PPP2CB	GSE109604	-1.439687905	knock down	down-regulator	0.000759738

REG00014	GSTM3	GSE109604	-1.43788708	knock down	down-regulator	5.48E-07
REG00014	VDAC1	GSE109604	-1.437001926	knock down	down-regulator	3.10E-06
REG00014	YPEL5	GSE109604	-1.434863947	knock down	down-regulator	7.20E-06
REG00014	SYTL2	GSE109604	-1.433601547	knock down	down-regulator	0.000599403
REG00014	MSMO1	GSE109604	-1.420944763	knock down	down-regulator	0.016304658
REG00014	C12orf73	GSE109604	-1.420220611	knock down	down-regulator	0.000103395
REG00014	HDHD5	GSE109604	-1.416115962	knock down	down-regulator	5.48E-13
REG00014	DNAJC22	GSE109604	-1.415258488	knock down	down-regulator	5.99E-05
REG00014	NCOA3	GSE109604	-1.405338383	knock down	down-regulator	0.001142211
REG00014	KCNAB3	GSE109604	-1.402	knock down	down-regulator	0.005981
REG00014	CCDC9	GSE109604	-1.401823375	knock down	down-regulator	0.003910737
REG00014	RBBP9	GSE109604	-1.399595965	knock down	down-regulator	0.014671598
REG00014	SLC26A11	GSE109604	-1.398788238	knock down	down-regulator	8.38E-06
REG00014	MYCBP	GSE109604	-1.393704366	knock down	down-regulator	0.032297394
REG00014	F12	GSE109604	-1.391606921	knock down	down-regulator	0.03915955
REG00014	DXO	GSE109604	-1.390376519	knock down	down-regulator	3.55E-06
REG00014	TRIM16	GSE109604	-1.382702156	knock down	down-regulator	0.010422817
REG00014	SORT1	GSE109604	-1.381249968	knock down	down-regulator	0.000519966
REG00014	TCN2	GSE109604	-1.381214581	knock down	down-regulator	0.012590343
REG00014	SPOCD1	GSE109604	-1.377378483	knock down	down-regulator	0.000437244
REG00014	TMEM229B	GSE109604	-1.376287822	knock down	down-regulator	3.22E-05
REG00014	PIN1	GSE109604	-1.375612901	knock down	down-regulator	1.37E-06
REG00014	LRIG3	GSE109604	-1.372260739	knock down	down-regulator	0.002844422
REG00014	MLLT1	GSE109604	-1.370117565	knock down	down-regulator	0.011237318
REG00014	CDV3	GSE109604	-1.367628974	knock down	down-regulator	0.022625788
REG00014	CLK4	GSE109604	-1.365536254	knock down	down-regulator	0.000154368
REG00014	B4GALT2	GSE109604	-1.364817778	knock down	down-regulator	8.64E-07
REG00014	RAB3GAP1	GSE109604	-1.362133346	knock down	down-regulator	0.00022371
REG00014	ZC3H12D	GSE109604	-1.361744406	knock down	down-regulator	4.08E-13
REG00014	TRIM9	GSE109604	-1.361212669	knock down	down-regulator	0.004934184
REG00014	ELK3	GSE109604	-1.359121553	knock down	down-regulator	0.021130552
REG00014	PCED1A	GSE109604	-1.357419131	knock down	down-regulator	0.000788992
REG00014	METTL18	GSE109604	-1.356297553	knock down	down-regulator	0.014495853
REG00014	FOXK2	GSE109604	-1.355769136	knock down	down-regulator	2.97E-07
REG00014	KRT80	GSE109604	-1.354224126	knock down	down-regulator	6.50E-27
REG00014	ZMAT5	GSE109604	-1.353460183	knock down	down-regulator	1.80E-07
REG00014	RALGPS2	GSE109604	-1.352922309	knock down	down-regulator	0.004809893
REG00014	CCDC78	GSE109604	-1.348567546	knock down	down-regulator	0.0028466
REG00014	CC2D1A	GSE109604	-1.346549393	knock down	down-regulator	0.017999625
REG00014	SCNN1D	GSE109604	-1.34620317	knock down	down-regulator	0.002315322
REG00014	SPTLC3	GSE109604	-1.342144993	knock down	down-regulator	0.003686444
REG00014	MYO1D	GSE109604	-1.341752121	knock down	down-regulator	0.034386396
REG00014	APBA3	GSE109604	-1.337923432	knock down	down-regulator	0.044807821
REG00014	PPIA	GSE109604	-1.337757445	knock down	down-regulator	4.39E-05
REG00014	GTPBP8	GSE109604	-1.33366256	knock down	down-regulator	0.042855043
REG00014	CAND1	GSE109604	-1.333278027	knock down	down-regulator	0.003315234
REG00014	ZNF451	GSE109604	-1.332549845	knock down	down-regulator	0.000169144
REG00014	TPM2	GSE109604	-1.330771842	knock down	down-regulator	0.00129011
REG00014	SNX14	GSE109604	-1.324570854	knock down	down-regulator	0.002042564
REG00014	RHOT2	GSE109604	-1.321263045	knock down	down-regulator	0.035592636

REG00014	SNAPC4	GSE109604	-1.320624452	knock down	down-regulator	0.000152023
REG00014	PRPF4	GSE109604	-1.320624452	knock down	down-regulator	0.000152023
REG00014	VPS35L	GSE109604	-1.314051092	knock down	down-regulator	0.00180822
REG00014	DAGLA	GSE109604	-1.312219348	knock down	down-regulator	8.63E-08
REG00014	SLC13A4	GSE109604	-1.309471888	knock down	down-regulator	0.00045628
REG00014	RPL23	GSE109604	-1.307815357	knock down	down-regulator	0.000205118
REG00014	PXDNL	GSE109604	-1.306880854	knock down	down-regulator	0.000465694
REG00014	KLC1	GSE109604	-1.30626651	knock down	down-regulator	5.60E-33
REG00014	PSEN1	GSE109604	-1.298599171	knock down	down-regulator	0.001025656
REG00014	PWWP3A	GSE109604	-1.294257017	knock down	down-regulator	0.00164929
REG00014	LPXN	GSE109604	-1.292708187	knock down	down-regulator	0.028658806
REG00014	BOC	GSE109604	-1.291929703	knock down	down-regulator	5.68E-05
REG00014	STEAP3	GSE109604	-1.289499876	knock down	down-regulator	0.020694325
REG00014	IFIT1	GSE109604	-1.286612025	knock down	down-regulator	2.33E-06
REG00014	TNIP2	GSE109604	-1.285994243	knock down	down-regulator	0.016117723
REG00014	CLCN2	GSE109604	-1.284014999	knock down	down-regulator	0.004021426
REG00014	PCNX3	GSE109604	-1.282144555	knock down	down-regulator	7.02E-05
REG00014	DIP2B	GSE109604	-1.274319665	knock down	down-regulator	7.37E-10
REG00014	RPL24	GSE109604	-1.267642923	knock down	down-regulator	0.000225002
REG00014	ROBO3	GSE109604	-1.267140782	knock down	down-regulator	0.001893407
REG00014	ENGASE	GSE109604	-1.257208688	knock down	down-regulator	2.28E-05
REG00014	PNMA2	GSE109604	-1.257002719	knock down	down-regulator	0.001761747
REG00014	PPP1R35	GSE109604	-1.255075709	knock down	down-regulator	0.001712579
REG00014	PREP	GSE109604	-1.250439285	knock down	down-regulator	0.000686998
REG00014	FBRSL1	GSE109604	-1.247698595	knock down	down-regulator	0.022331409
REG00014	TSC22D2	GSE109604	-1.247089572	knock down	down-regulator	0.008820956
REG00014	TNFRSF10C	GSE109604	-1.245642722	knock down	down-regulator	0.001441388
REG00014	ZSCAN26	GSE109604	-1.241885866	knock down	down-regulator	0.01183607
REG00014	PTX3	GSE109604	-1.240374269	knock down	down-regulator	1.37E-05
REG00014	SPANXA1	GSE109604	-1.238861571	knock down	down-regulator	0.004101448
REG00014	SAP30L	GSE109604	-1.234113308	knock down	down-regulator	0.00093145
REG00014	KANSL1L	GSE109604	-1.230725069	knock down	down-regulator	3.74E-40
REG00014	LRRC17	GSE109604	-1.227381123	knock down	down-regulator	0.00641821
REG00014	TMCC2	GSE109604	-1.224780492	knock down	down-regulator	0.028414173
REG00014	DNASE1	GSE109604	-1.222646879	knock down	down-regulator	4.02E-10
REG00014	MAPK14	GSE109604	-1.222030245	knock down	down-regulator	0.002975491
REG00014	SREBF1	GSE109604	-1.221745524	knock down	down-regulator	0.006531042
REG00014	RASSF1	GSE109604	-1.217609886	knock down	down-regulator	0.00831362
REG00014	F2RL1	GSE109604	-1.217313966	knock down	down-regulator	0.010169289
REG00014	CAPRIN2	GSE109604	-1.213132721	knock down	down-regulator	6.32E-06
REG00014	C15orf62	GSE109604	-1.211948189	knock down	down-regulator	0.009377398
REG00014	ST6GAL1	GSE109604	-1.21163253	knock down	down-regulator	0.039417393
REG00014	VCAM1	GSE109604	-1.210954791	knock down	down-regulator	0.001237274
REG00014	DYRK4	GSE109604	-1.210234396	knock down	down-regulator	0.004101387
REG00014	F2R	GSE109604	-1.209397736	knock down	down-regulator	0.030186934
REG00014	PTGS2	GSE109604	-1.205302367	knock down	down-regulator	0.000387816
REG00014	MAPK8IP1	GSE109604	-1.204418215	knock down	down-regulator	0.003123609
REG00014	ENDOV	GSE109604	-1.203701172	knock down	down-regulator	2.85E-06
REG00014	QTRT1	GSE109604	-1.203423993	knock down	down-regulator	0.007167941
REG00014	NSF	GSE109604	-1.202911541	knock down	down-regulator	2.72E-05

REG00014	DCLK2	GSE109604	-1.202698877	knock down	down-regulator	0.000860711
REG00014	PLAC1	GSE109604	-1.198256265	knock down	down-regulator	5.97E-06
REG00014	NUP37	GSE109604	-1.195776237	knock down	down-regulator	0.021850647
REG00014	THYN1	GSE109604	-1.195736876	knock down	down-regulator	0.000501588
REG00014	COPZ1	GSE109604	-1.193154607	knock down	down-regulator	0.01795319
REG00014	TRPV2	GSE109604	-1.190410944	knock down	down-regulator	0.002058475
REG00014	PSMG3	GSE109604	-1.187201396	knock down	down-regulator	0.001492407
REG00014	BTN3A2	GSE109604	-1.185815105	knock down	down-regulator	2.39E-07
REG00014	MRPS33	GSE109604	-1.183376786	knock down	down-regulator	0.008107272
REG00014	OXCT1	GSE109604	-1.182516487	knock down	down-regulator	7.29E-05
REG00014	FAM53B	GSE109604	-1.182350902	knock down	down-regulator	0.020102851
REG00014	PANK1	GSE109604	-1.181836533	knock down	down-regulator	0.0329188
REG00014	TGFBI	GSE109604	-1.181439109	knock down	down-regulator	0.000472698
REG00014	TENT4A	GSE109604	-1.181017297	knock down	down-regulator	0.013730869
REG00014	EAPP	GSE109604	-1.179371295	knock down	down-regulator	0.013786674
REG00014	QRSL1	GSE109604	-1.177850985	knock down	down-regulator	0.000883287
REG00014	UBE2J1	GSE109604	-1.177712545	knock down	down-regulator	0.045833827
REG00014	WTIP	GSE109604	-1.175256046	knock down	down-regulator	7.31E-15
REG00014	TSC22D1	GSE109604	-1.174352919	knock down	down-regulator	0.020941531
REG00014	ZNF219	GSE109604	-1.174135307	knock down	down-regulator	0.000856488
REG00014	UBL7	GSE109604	-1.172597093	knock down	down-regulator	0.004133397
REG00014	EZH2	GSE109604	-1.170344981	knock down	down-regulator	2.43E-06
REG00014	SPESP1	GSE109604	-1.159964552	knock down	down-regulator	0.002944341
REG00014	DUSP1	GSE109604	-1.156837601	knock down	down-regulator	0.000203289
REG00014	PYROXD2	GSE109604	-1.154692815	knock down	down-regulator	0.001645552
REG00014	BAG5	GSE109604	-1.154059754	knock down	down-regulator	0.002664156
REG00014	STX1B	GSE109604	-1.15352861	knock down	down-regulator	0.041592742
REG00014	MTIF2	GSE109604	-1.147580407	knock down	down-regulator	0.019402318
REG00014	SCPEP1	GSE109604	-1.146880458	knock down	down-regulator	2.72E-06
REG00014	RADX	GSE109604	-1.145070685	knock down	down-regulator	0.000358347
REG00014	DPP7	GSE109604	-1.144290258	knock down	down-regulator	4.25E-06
REG00014	CRY2	GSE109604	-1.141401806	knock down	down-regulator	0.011805262
REG00014	RRP36	GSE109604	-1.140108046	knock down	down-regulator	0.003294637
REG00014	SLC16A3	GSE109604	-1.139249467	knock down	down-regulator	0.003715365
REG00014	IGSF3	GSE109604	-1.135544151	knock down	down-regulator	0.025703852
REG00014	STT3A	GSE109604	-1.13295866	knock down	down-regulator	0.042751779
REG00014	EDA2R	GSE109604	-1.131682034	knock down	down-regulator	2.94E-05
REG00014	ROR1	GSE109604	-1.131590872	knock down	down-regulator	0.002948004
REG00014	SH2B1	GSE109604	-1.129950321	knock down	down-regulator	0.000386869
REG00014	SLC2A8	GSE109604	-1.129030009	knock down	down-regulator	0.000706462
REG00014	PTDSS1	GSE109604	-1.126428172	knock down	down-regulator	0.000918908
REG00014	WSB2	GSE109604	-1.12016036	knock down	down-regulator	1.03E-07
REG00014	RNF20	GSE109604	-1.119549859	knock down	down-regulator	0.000773135
REG00014	FBXO44	GSE109604	-1.118738224	knock down	down-regulator	0.037825762
REG00014	RPS27L	GSE109604	-1.116329407	knock down	down-regulator	0.00214337
REG00014	SYT5	GSE109604	-1.114790079	knock down	down-regulator	0.015805189
REG00014	PPP1R13L	GSE109604	-1.112454817	knock down	down-regulator	0.005072452
REG00014	PELP1	GSE109604	-1.111862719	knock down	down-regulator	0.00202312
REG00014	BTBD3	GSE109604	-1.111857905	knock down	down-regulator	4.20E-05
REG00014	FAM185A	GSE109604	-1.104009974	knock down	down-regulator	0.021907997

REG00014	PSMC1	GSE109604	-1.101035419	knock down	down-regulator	0.000151835
REG00014	PRMT5	GSE109604	-1.100322804	knock down	down-regulator	0.001422893
REG00014	SLC1A3	GSE109604	-1.091786145	knock down	down-regulator	0.004981895
REG00014	XRCC5	GSE109604	-1.085187006	knock down	down-regulator	1.50E-06
REG00014	P4HTM	GSE109604	-1.083198191	knock down	down-regulator	0.00169979
REG00014	FAM174B	GSE109604	-1.081971942	knock down	down-regulator	0.010945523
REG00014	MZT2A	GSE109604	-1.078755419	knock down	down-regulator	0.025670551
REG00014	DLD	GSE109604	-1.078611584	knock down	down-regulator	2.72E-05
REG00014	DPH5	GSE109604	-1.078123068	knock down	down-regulator	0.039797094
REG00014	ARAF	GSE109604	-1.076176533	knock down	down-regulator	0.04897344
REG00014	MYBL2	GSE109604	-1.073421667	knock down	down-regulator	0.009705049
REG00014	SLC66A2	GSE109604	-1.072035603	knock down	down-regulator	0.004962236
REG00014	SCAF1	GSE109604	-1.069114083	knock down	down-regulator	6.90E-05
REG00014	CYLD	GSE109604	-1.067918277	knock down	down-regulator	0.003687696
REG00014	KPNA6	GSE109604	-1.067029383	knock down	down-regulator	6.52E-28
REG00014	GPX8	GSE109604	-1.065780425	knock down	down-regulator	4.74E-05
REG00014	TMEM132B	GSE109604	-1.063628039	knock down	down-regulator	0.001161461
REG00014	SLC25A45	GSE109604	-1.06039569	knock down	down-regulator	0.003245135
REG00014	SPATC1L	GSE109604	-1.060341002	knock down	down-regulator	0.013123949
REG00014	REXO1	GSE109604	-1.056638182	knock down	down-regulator	0.000599503
REG00014	AMZ2	GSE109604	-1.055427826	knock down	down-regulator	2.08E-08
REG00014	SH3BP1	GSE109604	-1.055417249	knock down	down-regulator	0.014744681
REG00014	CENPX	GSE109604	-1.054733501	knock down	down-regulator	0.000769846
REG00014	CCDC61	GSE109604	-1.052756416	knock down	down-regulator	0.008795574
REG00014	PSMB8	GSE109604	-1.050896846	knock down	down-regulator	0.000961433
REG00014	CADPS2	GSE109604	-1.049485454	knock down	down-regulator	0.000318157
REG00014	LSM3	GSE109604	-1.047410843	knock down	down-regulator	0.00406835
REG00014	SLC45A4	GSE109604	-1.046743917	knock down	down-regulator	0.005123449
REG00014	TUBB3	GSE109604	-1.044592876	knock down	down-regulator	0.001180674
REG00014	CDIP1	GSE109604	-1.044464846	knock down	down-regulator	0.022854691
REG00014	SPANXC	GSE109604	-1.043266097	knock down	down-regulator	0.001611371
REG00014	UBE2Z	GSE109604	-1.043168652	knock down	down-regulator	0.008079201
REG00014	QSOX1	GSE109604	-1.041613352	knock down	down-regulator	0.0204348
REG00014	SLC44A4	GSE109604	-1.03720317	knock down	down-regulator	0.001924829
REG00014	NQO1	GSE109604	-1.036887989	knock down	down-regulator	0.038607121
REG00014	CMIP	GSE109604	-1.036734524	knock down	down-regulator	0.00581816
REG00014	MAPK13	GSE109604	-1.03506489	knock down	down-regulator	0.035971478
REG00014	METTL27	GSE109604	-1.034214535	knock down	down-regulator	0.046515769
REG00014	MORN3	GSE109604	-1.031807005	knock down	down-regulator	0.022227162
REG00014	PTGES2	GSE109604	-1.031561413	knock down	down-regulator	0.000547218
REG00014	VPS37C	GSE109604	-1.031407514	knock down	down-regulator	3.13E-10
REG00014	ACSS2	GSE109604	-1.03097434	knock down	down-regulator	0.006487226
REG00014	SNX25	GSE109604	-1.030653118	knock down	down-regulator	0.020813452
REG00014	ECSIT	GSE109604	-1.030128779	knock down	down-regulator	0.008054034
REG00014	ZBTB17	GSE109604	-1.028796749	knock down	down-regulator	2.37E-13
REG00014	TMPRSS9	GSE109604	-1.026859667	knock down	down-regulator	0.01704463
REG00014	P4HA2	GSE109604	-1.024524218	knock down	down-regulator	0.002576492
REG00014	PTOV1	GSE109604	-1.022517711	knock down	down-regulator	0.001818681
REG00014	MON1A	GSE109604	-1.018592079	knock down	down-regulator	0.046824387
REG00014	ENO3	GSE109604	-1.016893198	knock down	down-regulator	0.000157097

REG00014	LMAN2L	GSE109604	-1.015843164	knock down	down-regulator	7.38E-05
REG00014	RASSF4	GSE109604	-1.014546494	knock down	down-regulator	0.016828126
REG00014	CXCL1	GSE109604	-1.014051374	knock down	down-regulator	0.001481532
REG00014	ATAT1	GSE109604	-1.012189154	knock down	down-regulator	0.012820536
REG00014	CNOT10	GSE109604	-1.010315082	knock down	down-regulator	0.042272978
REG00014	SPANXA2	GSE109604	-1.010044907	knock down	down-regulator	0.004001614
REG00014	FAM131A	GSE109604	-1.009724211	knock down	down-regulator	0.045231948
REG00014	MVB12A	GSE109604	-1.009112586	knock down	down-regulator	0.001141858
REG00014	INSYN2B	GSE109604	-1.002840789	knock down	down-regulator	0.001044428
REG00014	HELB	GSE109604	-1.002196952	knock down	down-regulator	3.46E-05
REG00014	PRDX1	GSE109604	-1.000217154	knock down	down-regulator	0.002260173
REG00014	CEP170B	GSE109604	-0.999435672	knock down	down-regulator	0.044768249
REG00014	WWC1	GSE109604	-0.999336664	knock down	down-regulator	0.00619451
REG00014	PEMT	GSE109604	-0.999294666	knock down	down-regulator	0.003426896
REG00014	EIF1AX	GSE109604	-0.998458198	knock down	down-regulator	6.85E-05
REG00014	MAN2B2	GSE109604	-0.997076482	knock down	down-regulator	0.002120407
REG00014	SMTN	GSE109604	-0.995211155	knock down	down-regulator	0.001405894
REG00014	EGR1	GSE109604	-0.994009595	knock down	down-regulator	0.024485064
REG00014	COPE	GSE109604	-0.994005048	knock down	down-regulator	0.008087462
REG00014	C20orf144	GSE109604	-0.992013965	knock down	down-regulator	0.002948292
REG00014	TSEN54	GSE109604	-0.99182221	knock down	down-regulator	0.017782687
REG00014	C21orf58	GSE109604	-0.990681919	knock down	down-regulator	0.008032219
REG00014	RPL36AL	GSE109604	-0.989584265	knock down	down-regulator	2.23E-05
REG00014	WASHC1	GSE109604	-0.98945719	knock down	down-regulator	2.09E-06
REG00014	RNF182	GSE109604	-0.987670444	knock down	down-regulator	0.00026495
REG00014	PKD1	GSE109604	-0.987219284	knock down	down-regulator	0.002619733
REG00014	LRP8	GSE109604	-0.985947348	knock down	down-regulator	0.020447443
REG00014	ICAM5	GSE109604	-0.985186325	knock down	down-regulator	7.33E-06
REG00014	MRPS15	GSE109604	-0.985151687	knock down	down-regulator	0.001904209
REG00014	CCDC80	GSE109604	-0.984734286	knock down	down-regulator	0.012626987
REG00014	PGPEP1	GSE109604	-0.982330265	knock down	down-regulator	0.005078603
REG00014	ATP5MC1	GSE109604	-0.98227801	knock down	down-regulator	0.001672979
REG00014	RABL6	GSE109604	-0.980290383	knock down	down-regulator	0.004161559
REG00014	SLC30A6	GSE109604	-0.97998013	knock down	down-regulator	0.003920172
REG00014	SPOPL	GSE109604	-0.978292419	knock down	down-regulator	0.039978937
REG00014	WDR27	GSE109604	-0.977615444	knock down	down-regulator	0.00640335
REG00014	PRNP	GSE109604	-0.977165786	knock down	down-regulator	0.013877809
REG00014	ASB9	GSE109604	-0.977124232	knock down	down-regulator	0.020384025
REG00014	DUSP4	GSE109604	-0.976413762	knock down	down-regulator	0.009522209
REG00014	NPC1	GSE109604	-0.975216671	knock down	down-regulator	0.014861819
REG00014	ARHGEF1	GSE109604	-0.973946055	knock down	down-regulator	0.031674294
REG00014	RAPH1	GSE109604	-0.971728643	knock down	down-regulator	0.00333165
REG00014	SP140	GSE109604	-0.971664667	knock down	down-regulator	0.003629958
REG00014	SERINC2	GSE109604	-0.969535862	knock down	down-regulator	0.004337706
REG00014	DDR1	GSE109604	-0.967383724	knock down	down-regulator	1.20E-06
REG00014	SCAP	GSE109604	-0.964759091	knock down	down-regulator	0.049787439
REG00014	CLDN11	GSE109604	-0.964001814	knock down	down-regulator	0.009622913
REG00014	PIGZ	GSE109604	-0.962160495	knock down	down-regulator	2.19E-05
REG00014	RFC5	GSE109604	-0.961899371	knock down	down-regulator	0.000172351
REG00014	ZNF76	GSE109604	-0.961005915	knock down	down-regulator	0.000815429

REG00014	PDLIM7	GSE109604	-0.959273654	knock down	down-regulator	0.000977316
REG00014	CDPF1	GSE109604	-0.958671597	knock down	down-regulator	0.001118319
REG00014	GIGYF2	GSE109604	-0.957967007	knock down	down-regulator	1.57E-29
REG00014	AKTIP	GSE109604	-0.957360743	knock down	down-regulator	2.22E-08
REG00014	CMTM1	GSE109604	-0.956498246	knock down	down-regulator	0.037059305
REG00014	RABGGTB	GSE109604	-0.954599543	knock down	down-regulator	0.001218696
REG00014	PHPT1	GSE109604	-0.953160409	knock down	down-regulator	0.000364208
REG00014	CDK10	GSE109604	-0.952645848	knock down	down-regulator	0.017945788
REG00014	PAMR1	GSE109604	-0.951909989	knock down	down-regulator	0.001843336
REG00014	BLOC1S5	GSE109604	-0.950293591	knock down	down-regulator	2.90E-08
REG00014	EXTL2	GSE109604	-0.950151066	knock down	down-regulator	0.009385839
REG00014	NUP62	GSE109604	-0.949879525	knock down	down-regulator	0.008024951
REG00014	NPAT	GSE109604	-0.946561385	knock down	down-regulator	0.000130001
REG00014	SF3A3	GSE109604	-0.945713911	knock down	down-regulator	0.003110066
REG00014	INPP5E	GSE109604	-0.945698394	knock down	down-regulator	4.44E-05
REG00014	ZNF768	GSE109604	-0.945624037	knock down	down-regulator	3.44E-09
REG00014	CSNK1G2	GSE109604	-0.945527193	knock down	down-regulator	6.77E-06
REG00014	SNX24	GSE109604	-0.944698476	knock down	down-regulator	0.008717134
REG00014	RNF151	GSE109604	-0.944522024	knock down	down-regulator	4.45E-05
REG00014	UHRF2	GSE109604	-0.943069556	knock down	down-regulator	0.007742822
REG00014	KCNC4	GSE109604	-0.9426	knock down	down-regulator	1.01E-08
REG00014	CUEDC2	GSE109604	-0.942483304	knock down	down-regulator	0.009390211
REG00014	DCAF6	GSE109604	-0.940957151	knock down	down-regulator	0.00430643
REG00014	RAPGEFL1	GSE109604	-0.940810051	knock down	down-regulator	0.000209864
REG00014	RPP25L	GSE109604	-0.940662646	knock down	down-regulator	9.18E-06
REG00014	OCRL	GSE109604	-0.939756452	knock down	down-regulator	0.000303981
REG00014	CLTCL1	GSE109604	-0.939060796	knock down	down-regulator	0.032053905
REG00014	PALS2	GSE109604	-0.938696445	knock down	down-regulator	0.000515111
REG00014	ZNF555	GSE109604	-0.937654416	knock down	down-regulator	0.001034961
REG00014	ARC	GSE109604	-0.936503769	knock down	down-regulator	0.002249108
REG00014	GPSM1	GSE109604	-0.936479592	knock down	down-regulator	1.05E-06
REG00014	CLDN15	GSE109604	-0.935270901	knock down	down-regulator	0.001562422
REG00014	MFAP4	GSE109604	-0.935103104	knock down	down-regulator	0.002535876
REG00014	NAPG	GSE109604	-0.934576902	knock down	down-regulator	1.09E-06
REG00014	GPR63	GSE109604	-0.933715336	knock down	down-regulator	5.33E-11
REG00014	GPX1	GSE109604	-0.932624091	knock down	down-regulator	0.030219046
REG00014	RAP1GDS1	GSE109604	-0.93197248	knock down	down-regulator	0.01784317
REG00014	ST3GAL5	GSE109604	-0.928687272	knock down	down-regulator	0.037539459
REG00014	CGB5	GSE109604	-0.928275769	knock down	down-regulator	0.00288761
REG00014	PEX19	GSE109604	-0.927302044	knock down	down-regulator	0.00184461
REG00014	CTIF	GSE109604	-0.92711918	knock down	down-regulator	0.000115621
REG00014	OMA1	GSE109604	-0.926358735	knock down	down-regulator	3.18E-05
REG00014	LAMTOR4	GSE109604	-0.924118704	knock down	down-regulator	4.72E-10
REG00014	FOSL2	GSE109604	-0.923480305	knock down	down-regulator	4.02E-09
REG00014	SPNS2	GSE109604	-0.923068686	knock down	down-regulator	0.008247336
REG00014	PKN3	GSE109604	-0.921464962	knock down	down-regulator	0.003298002
REG00014	BAIAP2L2	GSE109604	-0.92117557	knock down	down-regulator	3.60E-21
REG00014	GART	GSE109604	-0.920190616	knock down	down-regulator	0.000279024
REG00014	RPS6KL1	GSE109604	-0.920065835	knock down	down-regulator	0.002539023
REG00014	RWDD2B	GSE109604	-0.91999129	knock down	down-regulator	0.004235968

REG00014	SPACA6	GSE109604	-0.919205523	knock down	down-regulator	0.006594564
REG00014	STMN1	GSE109604	-0.917604403	knock down	down-regulator	0.01053835
REG00014	GNG5	GSE109604	-0.917121986	knock down	down-regulator	0.049750954
REG00014	EML4	GSE109604	-0.916605279	knock down	down-regulator	0.003128033
REG00014	RAB40B	GSE109604	-0.915683	knock down	down-regulator	0.00468319
REG00014	CCDC105	GSE109604	-0.912738327	knock down	down-regulator	0.011346701
REG00014	CCDC92	GSE109604	-0.912567883	knock down	down-regulator	0.015835261
REG00014	RPL18	GSE109604	-0.911902401	knock down	down-regulator	2.53E-06
REG00014	PIN4	GSE109604	-0.911902401	knock down	down-regulator	2.53E-06
REG00014	GPC1	GSE109604	-0.911726213	knock down	down-regulator	3.38E-05
REG00014	ZP3	GSE109604	-0.910109208	knock down	down-regulator	0.041452851
REG00014	ARAP3	GSE109604	-0.907980339	knock down	down-regulator	0.028619159
REG00014	SLC31A1	GSE109604	-0.907368028	knock down	down-regulator	0.000843331
REG00014	CXCL3	GSE109604	-0.906610178	knock down	down-regulator	0.015352465
REG00014	WNT3	GSE109604	-0.902993123	knock down	down-regulator	0.017136573
REG00014	RMND5A	GSE109604	-0.900962191	knock down	down-regulator	0.002021286
REG00014	NUFIP1	GSE109604	-0.89903216	knock down	down-regulator	5.18E-05
REG00014	IL12A	GSE109604	-0.896774379	knock down	down-regulator	0.00045239
REG00014	QTRT2	GSE109604	-0.896512098	knock down	down-regulator	0.013068426
REG00014	SFXN3	GSE109604	-0.894894699	knock down	down-regulator	4.73E-06
REG00014	NRP1	GSE109604	-0.894894699	knock down	down-regulator	4.73E-06
REG00014	RAB6A	GSE109604	-0.894602478	knock down	down-regulator	0.007543147
REG00014	GSTZ1	GSE109604	-0.892416907	knock down	down-regulator	0.000437992
REG00014	TP63	GSE109604	-0.889089253	knock down	down-regulator	0.008439192
REG00014	PPP1R15A	GSE109604	-0.888504273	knock down	down-regulator	0.003070308
REG00014	NUTM2B	GSE109604	-0.886647102	knock down	down-regulator	0.002533692
REG00014	PLK2	GSE109604	-0.886217882	knock down	down-regulator	0.023292884
REG00014	GGT1	GSE109604	-0.884788375	knock down	down-regulator	2.18E-11
REG00014	CANT1	GSE109604	-0.883912644	knock down	down-regulator	0.000120308
REG00014	PAPLN	GSE109604	-0.882688152	knock down	down-regulator	0.000918282
REG00014	PPP1R27	GSE109604	-0.882249793	knock down	down-regulator	0.005385513
REG00014	SUPT20H	GSE109604	-0.879074025	knock down	down-regulator	0.00547778
REG00014	PTK2B	GSE109604	-0.878177702	knock down	down-regulator	0.012999572
REG00014	PPP1R3G	GSE109604	-0.876872287	knock down	down-regulator	0.006506168
REG00014	MORF4L2	GSE109604	-0.875732965	knock down	down-regulator	0.007801364
REG00014	CIC	GSE109604	-0.875269802	knock down	down-regulator	0.000773762
REG00014	NFIB	GSE109604	-0.873482823	knock down	down-regulator	8.06E-05
REG00014	SPATA2	GSE109604	-0.873178114	knock down	down-regulator	0.030362382
REG00014	SLC37A2	GSE109604	-0.872652605	knock down	down-regulator	0.0170598
REG00014	NIM1K	GSE109604	-0.869262307	knock down	down-regulator	3.50E-05
REG00014	TRAM2	GSE109604	-0.86799517	knock down	down-regulator	0.004501787
REG00014	ACTR3C	GSE109604	-0.867745619	knock down	down-regulator	0.01083994
REG00014	PAQR7	GSE109604	-0.867565876	knock down	down-regulator	0.008044405
REG00014	ADM5	GSE109604	-0.867505995	knock down	down-regulator	2.12E-09
REG00014	FAM13B	GSE109604	-0.86606171	knock down	down-regulator	0.00046037
REG00014	C19orf47	GSE109604	-0.865784195	knock down	down-regulator	0.006499632
REG00014	NGF	GSE109604	-0.863853478	knock down	down-regulator	3.01E-05
REG00014	TGM2	GSE109604	-0.863840587	knock down	down-regulator	0.010771514
REG00014	TEDC2	GSE109604	-0.862931233	knock down	down-regulator	0.015251839
REG00014	MMAB	GSE109604	-0.862746418	knock down	down-regulator	1.40E-06

REG00014	DKC1	GSE109604	-0.862261549	knock down	down-regulator	0.029275821
REG00014	DOK3	GSE109604	-0.862073333	knock down	down-regulator	0.023356395
REG00014	H2AC11	GSE109604	-0.861263048	knock down	down-regulator	4.38E-08
REG00014	PTPN6	GSE109604	-0.860180875	knock down	down-regulator	0.002928893
REG00014	NKX2-6	GSE109604	-0.858465693	knock down	down-regulator	0.000143265
REG00014	DHX9	GSE109604	-0.856285012	knock down	down-regulator	4.95E-06
REG00014	C5orf22	GSE109604	-0.856240194	knock down	down-regulator	0.036457154
REG00014	OLFML2B	GSE109604	-0.855271774	knock down	down-regulator	0.011945505
REG00014	MYH7B	GSE109604	-0.855145581	knock down	down-regulator	0.009490454
REG00014	NCF1	GSE109604	-0.853135533	knock down	down-regulator	2.84E-06
REG00014	SS18L1	GSE109604	-0.851683791	knock down	down-regulator	0.023183337
REG00014	SNX30	GSE109604	-0.850669217	knock down	down-regulator	0.000925687
REG00014	IFITM2	GSE109604	-0.850311498	knock down	down-regulator	0.00474999
REG00014	RPS3A	GSE109604	-0.847497591	knock down	down-regulator	0.002738566
REG00014	APOL2	GSE109604	-0.847432217	knock down	down-regulator	0.011538846
REG00014	DAAM2	GSE109604	-0.847047368	knock down	down-regulator	0.00234042
REG00014	PRSS23	GSE109604	-0.846011069	knock down	down-regulator	0.032003865
REG00014	KLHL35	GSE109604	-0.845537271	knock down	down-regulator	6.43E-22
REG00014	RAB1A	GSE109604	-0.84528228	knock down	down-regulator	0.007103271
REG00014	ORA12	GSE109604	-0.84494035	knock down	down-regulator	0.000100632
REG00014	EML2	GSE109604	-0.843885793	knock down	down-regulator	0.000371008
REG00014	FAF2	GSE109604	-0.843115357	knock down	down-regulator	2.41E-23
REG00014	FAM83G	GSE109604	-0.841970406	knock down	down-regulator	0.022129056
REG00014	ELOC	GSE109604	-0.841166641	knock down	down-regulator	0.044577638
REG00014	ZCCHC17	GSE109604	-0.839647946	knock down	down-regulator	2.50E-07
REG00014	PSMD9	GSE109604	-0.837845604	knock down	down-regulator	0.002923655
REG00014	MED21	GSE109604	-0.835942221	knock down	down-regulator	0.00973764
REG00014	PDCD6	GSE109604	-0.835833622	knock down	down-regulator	0.007828069
REG00014	RALGDS	GSE109604	-0.834349408	knock down	down-regulator	0.004817459
REG00014	GLCE	GSE109604	-0.83422498	knock down	down-regulator	0.020079774
REG00014	AGO1	GSE109604	-0.833754173	knock down	down-regulator	0.025301618
REG00014	NT5C2	GSE109604	-0.831771533	knock down	down-regulator	0.002392458
REG00014	OAT	GSE109604	-0.83174285	knock down	down-regulator	0.006131815
REG00014	RPL29	GSE109604	-0.830680299	knock down	down-regulator	0.000452238
REG00014	VPS16	GSE109604	-0.830610683	knock down	down-regulator	0.00021938
REG00014	SH3BP2	GSE109604	-0.829258032	knock down	down-regulator	0.004877783
REG00014	NPIP11	GSE109604	-0.829169045	knock down	down-regulator	0.010089305
REG00014	HIRA	GSE109604	-0.828948334	knock down	down-regulator	0.000728376
REG00014	NR3C1	GSE109604	-0.828221258	knock down	down-regulator	4.66E-05
REG00014	GALNT7	GSE109604	-0.826401496	knock down	down-regulator	4.06E-05
REG00014	RPS6	GSE109604	-0.825115803	knock down	down-regulator	4.56E-05
REG00014	ZNF106	GSE109604	-0.82478183	knock down	down-regulator	1.40E-08
REG00014	APBA2	GSE109604	-0.824749738	knock down	down-regulator	2.35E-08
REG00014	GSE1	GSE109604	-0.824339855	knock down	down-regulator	2.51E-10
REG00014	OSCP1	GSE109604	-0.823678392	knock down	down-regulator	0.00603078
REG00014	XPO4	GSE109604	-0.823045583	knock down	down-regulator	0.047760581
REG00014	MAFB	GSE109604	-0.818982208	knock down	down-regulator	0.008561678
REG00014	GPRIN1	GSE109604	-0.818636372	knock down	down-regulator	0.032718164
REG00014	RAX2	GSE109604	-0.818536263	knock down	down-regulator	0.000911893
REG00014	STMN3	GSE109604	-0.81779037	knock down	down-regulator	0.004243312

REG00014	BBLN	GSE109604	-0.817246389	knock down	down-regulator	1.51E-05
REG00014	SHANK2	GSE109604	-0.817045776	knock down	down-regulator	3.64E-05
REG00014	SLC49A4	GSE109604	-0.816969151	knock down	down-regulator	0.012038174
REG00014	KCNG1	GSE109604	-0.816889144	knock down	down-regulator	1.53E-08
REG00014	GJB2	GSE109604	-0.815996677	knock down	down-regulator	0.003169932
REG00014	PLRG1	GSE109604	-0.814368557	knock down	down-regulator	0.002192003
REG00014	RPP30	GSE109604	-0.812262681	knock down	down-regulator	0.008476529
REG00014	RAC3	GSE109604	-0.812070503	knock down	down-regulator	0.005467682
REG00014	LAMTOR2	GSE109604	-0.811154934	knock down	down-regulator	1.38E-26
REG00014	PYY	GSE109604	-0.811088797	knock down	down-regulator	0.012090268
REG00014	ID2	GSE109604	-0.810976152	knock down	down-regulator	0.000342284
REG00014	GADD45A	GSE109604	-0.810872975	knock down	down-regulator	4.78E-06
REG00014	ARNTL	GSE109604	-0.810048663	knock down	down-regulator	0.025052135
REG00014	RILPL2	GSE109604	-0.809997393	knock down	down-regulator	0.003372432
REG00014	CEPT1	GSE109604	-0.808987773	knock down	down-regulator	0.020817538
REG00014	ZNF717	GSE109604	-0.807985924	knock down	down-regulator	0.032138405
REG00014	RASSF3	GSE109604	-0.807564063	knock down	down-regulator	0.006314445
REG00014	STPG1	GSE109604	-0.805816877	knock down	down-regulator	0.012533333
REG00014	RNF146	GSE109604	-0.803240923	knock down	down-regulator	0.000285754
REG00014	MFF	GSE109604	-0.801718532	knock down	down-regulator	0.003195557
REG00014	SERPIND1	GSE109604	-0.80129453	knock down	down-regulator	0.018085456
REG00014	EIF3M	GSE109604	-0.799758777	knock down	down-regulator	0.006494918
REG00014	ARCN1	GSE109604	-0.799165055	knock down	down-regulator	9.14E-05
REG00014	EMC3	GSE109604	-0.795460241	knock down	down-regulator	0.009876649
REG00014	TBX2	GSE109604	-0.795414407	knock down	down-regulator	0.028055652
REG00014	PPP1R16A	GSE109604	-0.794825345	knock down	down-regulator	0.018520722
REG00014	CFAP410	GSE109604	-0.792518868	knock down	down-regulator	0.013744339
REG00014	RPL6	GSE109604	-0.790844485	knock down	down-regulator	0.032403155
REG00014	FAM86B2	GSE109604	-0.790392164	knock down	down-regulator	0.003822285
REG00014	PIGA	GSE109604	-0.790318701	knock down	down-regulator	0.020364453
REG00014	AIDA	GSE109604	-0.788331139	knock down	down-regulator	3.64E-19
REG00014	RABGAP1	GSE109604	-0.788115279	knock down	down-regulator	0.005599921
REG00014	ZNF668	GSE109604	-0.786559956	knock down	down-regulator	9.98E-06
REG00014	INAFM2	GSE109604	-0.786269607	knock down	down-regulator	0.019594724
REG00014	HDAC7	GSE109604	-0.785885794	knock down	down-regulator	0.00178503
REG00014	STARD7	GSE109604	-0.785127246	knock down	down-regulator	0.018061081
REG00014	RGL1	GSE109604	-0.782034485	knock down	down-regulator	0.024317786
REG00014	RTCB	GSE109604	-0.781440078	knock down	down-regulator	2.94E-05
REG00014	PHYHIP	GSE109604	-0.781034537	knock down	down-regulator	0.000731123
REG00014	FBXL14	GSE109604	-0.780983084	knock down	down-regulator	8.30E-05
REG00014	RPL27A	GSE109604	-0.78010346	knock down	down-regulator	2.64E-07
REG00014	RRAGD	GSE109604	-0.779568199	knock down	down-regulator	0.000253903
REG00014	PNPLA6	GSE109604	-0.779277483	knock down	down-regulator	0.012682248
REG00014	EPS15	GSE109604	-0.778978149	knock down	down-regulator	0.029215596
REG00014	PPP1R12C	GSE109604	-0.778926819	knock down	down-regulator	0.013961984
REG00014	PTP4A3	GSE109604	-0.778902186	knock down	down-regulator	0.001382764
REG00014	ERAP1	GSE109604	-0.778682658	knock down	down-regulator	7.52E-05
REG00014	MVK	GSE109604	-0.777194676	knock down	down-regulator	0.018486936
REG00014	ANKRD1	GSE109604	-0.777144169	knock down	down-regulator	0.001785154
REG00014	SAMD8	GSE109604	-0.776990162	knock down	down-regulator	0.007458728

REG00014	SH2B2	GSE109604	-0.776697384	knock down	down-regulator	2.19E-08
REG00014	ARL2	GSE109604	-0.776337857	knock down	down-regulator	0.003134376
REG00014	DOT1L	GSE109604	-0.775843657	knock down	down-regulator	0.017924765
REG00014	PSMB9	GSE109604	-0.774695055	knock down	down-regulator	0.006247764
REG00014	SGSH	GSE109604	-0.774654973	knock down	down-regulator	8.12E-07
REG00014	PPP1R14B	GSE109604	-0.774552196	knock down	down-regulator	0.003025678
REG00014	CHST4	GSE109604	-0.773254647	knock down	down-regulator	0.00438832
REG00014	BABAM2	GSE109604	-0.77244222	knock down	down-regulator	0.006938079
REG00014	IFT22	GSE109604	-0.772319778	knock down	down-regulator	1.88E-05
REG00014	PAQR4	GSE109604	-0.77227381	knock down	down-regulator	0.014617859
REG00014	GGCX	GSE109604	-0.771796472	knock down	down-regulator	4.73E-08
REG00014	BUD31	GSE109604	-0.77077341	knock down	down-regulator	5.64E-07
REG00014	CD109	GSE109604	-0.770224302	knock down	down-regulator	0.048918506
REG00014	FAM72D	GSE109604	-0.769565759	knock down	down-regulator	0.007018043
REG00014	FADS3	GSE109604	-0.768383314	knock down	down-regulator	0.031510622
REG00014	AKR1C3	GSE109604	-0.768354672	knock down	down-regulator	5.26E-17
REG00014	PCBP3	GSE109604	-0.768318747	knock down	down-regulator	0.034176146
REG00014	PARP4	GSE109604	-0.768224047	knock down	down-regulator	0.004102805
REG00014	CSK	GSE109604	-0.767623419	knock down	down-regulator	0.009765556
REG00014	EVA1A	GSE109604	-0.766827436	knock down	down-regulator	0.039336945
REG00014	RASD1	GSE109604	-0.766226106	knock down	down-regulator	0.041866029
REG00014	MACROD1	GSE109604	-0.766149647	knock down	down-regulator	0.01885541
REG00014	H3C4	GSE109604	-0.765356168	knock down	down-regulator	7.39E-11
REG00014	NBAS	GSE109604	-0.7651925	knock down	down-regulator	0.00655608
REG00014	STRADA	GSE109604	-0.76382117	knock down	down-regulator	0.023071218
REG00014	FAM229A	GSE109604	-0.762942959	knock down	down-regulator	0.047913283
REG00014	CPSF6	GSE109604	-0.762856848	knock down	down-regulator	0.003527953
REG00014	PUS3	GSE109604	-0.762701997	knock down	down-regulator	0.007087386
REG00014	SP9	GSE109604	-0.762626319	knock down	down-regulator	0.009686208
REG00014	PGS1	GSE109604	-0.761260848	knock down	down-regulator	0.010058749
REG00014	IQGAP1	GSE109604	-0.759957921	knock down	down-regulator	6.92E-05
REG00014	RSRC1	GSE109604	-0.759225094	knock down	down-regulator	1.80E-07
REG00014	SNAPC5	GSE109604	-0.758955997	knock down	down-regulator	0.004246557
REG00014	ZNF23	GSE109604	-0.758544437	knock down	down-regulator	0.004045657
REG00014	ZNF573	GSE109604	-0.758359125	knock down	down-regulator	2.21E-08
REG00014	SOX15	GSE109604	-0.758132675	knock down	down-regulator	0.005199507
REG00014	CCT6B	GSE109604	-0.755040848	knock down	down-regulator	0.019096391
REG00014	ACTN1	GSE109604	-0.754470587	knock down	down-regulator	0.003068467
REG00014	ZNF557	GSE109604	-0.754265037	knock down	down-regulator	5.51E-06
REG00014	TPST1	GSE109604	-0.753152912	knock down	down-regulator	0.000178016
REG00014	ONECUT3	GSE109604	-0.753058472	knock down	down-regulator	0.015026598
REG00014	ADGRF5	GSE109604	-0.75277323	knock down	down-regulator	0.000739117
REG00014	FAM86B1	GSE109604	-0.751602665	knock down	down-regulator	0.030328484
REG00014	ISYNA1	GSE109604	-0.751105106	knock down	down-regulator	0.000333409
REG00014	DARS1	GSE109604	-0.75073882	knock down	down-regulator	0.004158742
REG00014	EPS8L1	GSE109604	-0.749013295	knock down	down-regulator	0.00672561
REG00014	PDP1	GSE109604	-0.748907118	knock down	down-regulator	0.013596039
REG00014	RNPS1	GSE109604	-0.748448791	knock down	down-regulator	0.002715245
REG00014	GATA2	GSE109604	-0.747490646	knock down	down-regulator	0.000615555
REG00014	AFAP1L2	GSE109604	-0.747221282	knock down	down-regulator	5.89E-05

REG00014	RPL27	GSE109604	-0.746835903	knock down	down-regulator	0.003773251
REG00014	CYP11A1	GSE109604	-0.746275008	knock down	down-regulator	0.007665128
REG00014	NT5M	GSE109604	-0.746005419	knock down	down-regulator	0.001148641
REG00014	TTC33	GSE109604	-0.742293904	knock down	down-regulator	0.02626802
REG00014	SH3BP5L	GSE109604	-0.741972665	knock down	down-regulator	0.018586273
REG00014	PRR7	GSE109604	-0.740893793	knock down	down-regulator	0.001778327
REG00014	CLBA1	GSE109604	-0.740101522	knock down	down-regulator	0.026716933
REG00014	FCSK	GSE109604	-0.739945553	knock down	down-regulator	0.000187886
REG00014	NDUFAF7	GSE109604	-0.739719074	knock down	down-regulator	0.024141338
REG00014	AHR	GSE109604	-0.73950552	knock down	down-regulator	5.83E-06
REG00014	PARP12	GSE109604	-0.739466565	knock down	down-regulator	0.005828401
REG00014	MGRN1	GSE109604	-0.738685925	knock down	down-regulator	2.07E-05
REG00014	PRR13	GSE109604	-0.734426608	knock down	down-regulator	0.001171849
REG00014	TMEM187	GSE109604	-0.734215732	knock down	down-regulator	0.012794261
REG00014	ABHD5	GSE109604	-0.733744002	knock down	down-regulator	0.000418655
REG00014	PIGM	GSE109604	-0.7331701	knock down	down-regulator	0.017583446
REG00014	SP110	GSE109604	-0.732738125	knock down	down-regulator	0.005225153
REG00014	ABTB3	GSE109604	-0.732647257	knock down	down-regulator	0.047245044
REG00014	MEX3C	GSE109604	-0.732059362	knock down	down-regulator	0.000220877
REG00014	TSGA10IP	GSE109604	-0.73109457	knock down	down-regulator	0.029057193
REG00014	TRIM46	GSE109604	-0.730975376	knock down	down-regulator	0.045696226
REG00014	SORCS2	GSE109604	-0.730894968	knock down	down-regulator	0.003865957
REG00014	ENTPD3	GSE109604	-0.730469395	knock down	down-regulator	0.000661459
REG00014	GPR173	GSE109604	-0.729814934	knock down	down-regulator	0.013629286
REG00014	UQCRFS1	GSE109604	-0.729453207	knock down	down-regulator	0.024138131
REG00014	PSME2	GSE109604	-0.729318004	knock down	down-regulator	0.011262544
REG00014	RNF166	GSE109604	-0.728771825	knock down	down-regulator	0.003086001
REG00014	DTX2	GSE109604	-0.728413159	knock down	down-regulator	0.001451893
REG00014	PDCL3	GSE109604	-0.727480993	knock down	down-regulator	0.00045073
REG00014	WASHC2C	GSE109604	-0.725023707	knock down	down-regulator	0.001565675
REG00014	SYNGAP1	GSE109604	-0.724590385	knock down	down-regulator	0.045467096
REG00014	SKIL	GSE109604	-0.724373979	knock down	down-regulator	0.001351246
REG00014	WEE1	GSE109604	-0.723580552	knock down	down-regulator	0.002560046
REG00014	NKX6-1	GSE109604	-0.723428726	knock down	down-regulator	0.015767755
REG00014	LYN	GSE109604	-0.720501911	knock down	down-regulator	0.004361129
REG00014	EIF2S3	GSE109604	-0.720455905	knock down	down-regulator	0.021455105
REG00014	SMC5	GSE109604	-0.718733108	knock down	down-regulator	0.041377137
REG00014	RHOB	GSE109604	-0.718023605	knock down	down-regulator	0.000874376
REG00014	ESPL1	GSE109604	-0.717648662	knock down	down-regulator	0.046720786
REG00014	ZMIZ2	GSE109604	-0.717549969	knock down	down-regulator	0.025730398
REG00014	RAB27B	GSE109604	-0.716345064	knock down	down-regulator	0.018065246
REG00014	ZNF608	GSE109604	-0.716076129	knock down	down-regulator	9.17E-06
REG00014	GBP1	GSE109604	-0.716028293	knock down	down-regulator	2.79E-30
REG00014	DNAJA2	GSE109604	-0.71586747	knock down	down-regulator	0.00109067
REG00014	CLDN4	GSE109604	-0.715587218	knock down	down-regulator	0.009617474
REG00014	CREBRF	GSE109604	-0.71519378	knock down	down-regulator	0.006187067
REG00014	YEATS4	GSE109604	-0.714278711	knock down	down-regulator	2.90E-05
REG00014	GSTCD	GSE109604	-0.714148619	knock down	down-regulator	0.001863141
REG00014	HABP4	GSE109604	-0.713992467	knock down	down-regulator	0.003979312
REG00014	C11orf68	GSE109604	-0.71397579	knock down	down-regulator	0.037685801

REG00014	PER2	GSE109604	-0.713086905	knock down	down-regulator	0.001435055
REG00014	SLC1A4	GSE109604	-0.712503588	knock down	down-regulator	0.01238884
REG00014	RNF138	GSE109604	-0.711979291	knock down	down-regulator	0.000351666
REG00014	SLC6A9	GSE109604	-0.711925269	knock down	down-regulator	0.020852639
REG00014	XBP1	GSE109604	-0.711646752	knock down	down-regulator	6.46E-07
REG00014	PROB1	GSE109604	-0.711632907	knock down	down-regulator	0.017664424
REG00014	SOWAHC	GSE109604	-0.710879045	knock down	down-regulator	0.006326896
REG00014	PABPC1L	GSE109604	-0.710700887	knock down	down-regulator	0.0342603
REG00014	DNAAF8	GSE109604	-0.710373252	knock down	down-regulator	0.006311843
REG00014	SLC9A1	GSE109604	-0.710326426	knock down	down-regulator	0.00950799
REG00014	PUS1	GSE109604	-0.708399165	knock down	down-regulator	0.026348706
REG00014	FNIP1	GSE109604	-0.707964138	knock down	down-regulator	0.009848759
REG00014	ANXA7	GSE109604	-0.707821957	knock down	down-regulator	0.003610293
REG00014	PRRT3	GSE109604	-0.707104732	knock down	down-regulator	0.018389162
REG00014	EMP1	GSE109604	-0.705848325	knock down	down-regulator	0.008194708
REG00014	PGK1	GSE109604	-0.704376484	knock down	down-regulator	0.001082032
REG00014	COPS7B	GSE109604	-0.704044233	knock down	down-regulator	0.011512852
REG00014	C1orf53	GSE109604	-0.701802011	knock down	down-regulator	0.009465165
REG00014	S1PR1	GSE109604	-0.70083032	knock down	down-regulator	0.005485678
REG00014	RPL35	GSE109604	-0.700635508	knock down	down-regulator	0.005611022
REG00014	AGRN	GSE109604	-0.700474284	knock down	down-regulator	1.03E-08
REG00014	BNIP3L	GSE109604	-0.699880295	knock down	down-regulator	0.031568242
REG00014	DYNLL2	GSE109604	-0.699804551	knock down	down-regulator	0.00016042
REG00014	SLC9B2	GSE109604	-0.698429837	knock down	down-regulator	0.006433038
REG00014	PTHLH	GSE109604	-0.69779192	knock down	down-regulator	0.042968575
REG00014	CANX	GSE109604	-0.696066359	knock down	down-regulator	2.64E-05
REG00014	SIRT3	GSE109604	-0.695761861	knock down	down-regulator	0.00100155
REG00014	SLC2A10	GSE109604	-0.693776383	knock down	down-regulator	0.017901811
REG00014	PSME3	GSE109604	-0.693776383	knock down	down-regulator	0.017901811
REG00014	OPN3	GSE109604	-0.693346311	knock down	down-regulator	8.44E-05
REG00014	MAPK8IP3	GSE109604	-0.692452885	knock down	down-regulator	0.00193681
REG00014	COL3A1	GSE109604	-0.69173015	knock down	down-regulator	0.003860828
REG00014	SGPL1	GSE109604	-0.690632611	knock down	down-regulator	0.000468434
REG00014	CCDC85C	GSE109604	-0.689358989	knock down	down-regulator	0.036524142
REG00014	MAP6D1	GSE109604	-0.685874164	knock down	down-regulator	8.52E-09
REG00014	CNOT9	GSE109604	-0.6857632	knock down	down-regulator	0.029027722
REG00014	FAM131C	GSE109604	-0.685399248	knock down	down-regulator	0.025183503
REG00014	KLHL26	GSE109604	-0.683862154	knock down	down-regulator	4.42E-17
REG00014	SPECC1	GSE109604	-0.682946779	knock down	down-regulator	0.011348169
REG00014	KRT15	GSE109604	-0.682746522	knock down	down-regulator	2.18E-15
REG00014	DLEC1	GSE109604	-0.681145805	knock down	down-regulator	0.003492244
REG00014	ADGRF3	GSE109604	-0.680762395	knock down	down-regulator	4.11E-05
REG00014	PTGFRN	GSE109604	-0.680512487	knock down	down-regulator	0.011990929
REG00014	HERPUD1	GSE109604	-0.678506557	knock down	down-regulator	0.004841899
REG00014	MZF1	GSE109604	-0.677676241	knock down	down-regulator	0.040626038
REG00014	EFCAB14	GSE109604	-0.677637163	knock down	down-regulator	0.000745566
REG00014	WFIKK1	GSE109604	-0.675667364	knock down	down-regulator	0.029091974
REG00014	PSG9	GSE109604	-0.675430257	knock down	down-regulator	0.004712008
REG00014	RARS1	GSE109604	-0.674242334	knock down	down-regulator	2.28E-05
REG00014	ANKMY2	GSE109604	-0.674238343	knock down	down-regulator	0.006866986

REG00014	CKMT1A	GSE109604	-0.673168175	knock down	down-regulator	0.002134891
REG00014	JADE3	GSE109604	-0.673045648	knock down	down-regulator	0.00066474
REG00014	MBD3	GSE109604	-0.671655366	knock down	down-regulator	0.022063536
REG00014	PPP2R3B	GSE109604	-0.670773155	knock down	down-regulator	0.025292098
REG00014	PPM1B	GSE109604	-0.670186672	knock down	down-regulator	0.010147644
REG00014	E2F2	GSE109604	-0.670159103	knock down	down-regulator	0.000405599
REG00014	UBE2L6	GSE109604	-0.669614287	knock down	down-regulator	0.030572545
REG00014	RIPK1	GSE109604	-0.669233841	knock down	down-regulator	0.001325878
REG00014	SLCO4A1	GSE109604	-0.66910356	knock down	down-regulator	0.026897599
REG00014	GINS4	GSE109604	-0.668064028	knock down	down-regulator	4.73E-14
REG00014	PTGS1	GSE109604	-0.667594193	knock down	down-regulator	0.020196364
REG00014	ADAMTS15	GSE109604	-0.666942957	knock down	down-regulator	0.007082955
REG00014	DYRK1A	GSE109604	-0.663071853	knock down	down-regulator	0.012847486
REG00014	FKBP6	GSE109604	-0.661656242	knock down	down-regulator	0.000768965
REG00014	HIPK3	GSE109604	-0.661163241	knock down	down-regulator	0.002333834
REG00014	NOTCH4	GSE109604	-0.660462117	knock down	down-regulator	0.001731212
REG00014	ZNF227	GSE109604	-0.660183217	knock down	down-regulator	0.000259153
REG00014	EPN2	GSE109604	-0.660097031	knock down	down-regulator	0.033464237
REG00014	RPS6KB2	GSE109604	-0.659862114	knock down	down-regulator	1.52E-05
REG00014	CEACAM1	GSE109604	-0.659496421	knock down	down-regulator	0.007436701
REG00014	DNER	GSE109604	-0.65882886	knock down	down-regulator	0.000617751
REG00014	PRPS1	GSE109604	-0.657656646	knock down	down-regulator	0.000501381
REG00014	RACGAP1	GSE109604	-0.657134164	knock down	down-regulator	0.03136391
REG00014	CALHM5	GSE109604	-0.656407682	knock down	down-regulator	0.033589242
REG00014	SPRYD4	GSE109604	-0.653015359	knock down	down-regulator	0.008326742
REG00014	USP24	GSE109604	-0.652963201	knock down	down-regulator	0.01534306
REG00014	NFX1	GSE109604	-0.652222069	knock down	down-regulator	0.0258611
REG00014	BRME1	GSE109604	-0.651707066	knock down	down-regulator	0.000741729
REG00014	DHX32	GSE109604	-0.650816013	knock down	down-regulator	0.026246473
REG00014	OSGIN1	GSE109604	-0.649585094	knock down	down-regulator	4.16E-05
REG00014	RARS2	GSE109604	-0.649240692	knock down	down-regulator	0.000926228
REG00014	SUCLG2	GSE109604	-0.648649203	knock down	down-regulator	0.046000681
REG00014	SERPINE1	GSE109604	-0.648642854	knock down	down-regulator	0.000372608
REG00014	OGFOD2	GSE109604	-0.64832788	knock down	down-regulator	0.001918727
REG00014	EIF2S3B	GSE109604	-0.647978146	knock down	down-regulator	0.00464393
REG00014	ARL4C	GSE109604	-0.646785118	knock down	down-regulator	3.41E-09
REG00014	ZNF45	GSE109604	-0.646543529	knock down	down-regulator	0.000100503
REG00014	ST6GALNAC6	GSE109604	-0.646095474	knock down	down-regulator	0.008678332
REG00014	PDGFRA	GSE109604	-0.645367677	knock down	down-regulator	0.016012039
REG00014	FBXL5	GSE109604	-0.644732421	knock down	down-regulator	2.48E-05
REG00014	NAA25	GSE109604	-0.644019202	knock down	down-regulator	0.000150818
REG00014	BCAN	GSE109604	-0.643899567	knock down	down-regulator	0.021883421
REG00014	CGB1	GSE109604	-0.642764487	knock down	down-regulator	0.03914618
REG00014	CPM	GSE109604	-0.642478529	knock down	down-regulator	0.001619797
REG00014	PTTG1IP	GSE109604	-0.642377382	knock down	down-regulator	0.007153079
REG00014	LPCAT2	GSE109604	-0.642072676	knock down	down-regulator	0.000429829
REG00014	SPART	GSE109604	-0.641220112	knock down	down-regulator	0.026859956
REG00014	LSS	GSE109604	-0.641034334	knock down	down-regulator	1.17E-05
REG00014	SNORC	GSE109604	-0.640627444	knock down	down-regulator	0.005977351
REG00014	NDUFA1	GSE109604	-0.639755999	knock down	down-regulator	0.001488989

REG00014	KCTD4	GSE109604	-0.639293384	knock down	down-regulator	9.49E-05
REG00014	GMEB2	GSE109604	-0.638958371	knock down	down-regulator	4.30E-103
REG00014	ZDHHC1	GSE109604	-0.638289413	knock down	down-regulator	0.002369959
REG00014	PHF1	GSE109604	-0.637996916	knock down	down-regulator	0.00096147
REG00014	DHRS3	GSE109604	-0.637860874	knock down	down-regulator	0.000698616
REG00014	SLC35F2	GSE109604	-0.637643083	knock down	down-regulator	0.025936102
REG00014	CLCN6	GSE109604	-0.637619235	knock down	down-regulator	0.003808515
REG00014	KLHL22	GSE109604	-0.63755293	knock down	down-regulator	6.48E-08
REG00014	G0S2	GSE109604	-0.637302264	knock down	down-regulator	0.000286102
REG00014	KRTAP2-4	GSE109604	-0.637268947	knock down	down-regulator	7.89E-09
REG00014	SEPTIN11	GSE109604	-0.636824771	knock down	down-regulator	0.021347683
REG00014	AHCYL2	GSE109604	-0.636333176	knock down	down-regulator	0.012704711
REG00014	MC1R	GSE109604	-0.635547391	knock down	down-regulator	0.0007855
REG00014	RAP1GAP2	GSE109604	-0.635246283	knock down	down-regulator	0.015403522
REG00014	ANO6	GSE109604	-0.634932	knock down	down-regulator	0.015229983
REG00014	NDUFS2	GSE109604	-0.63358483	knock down	down-regulator	0.047720215
REG00014	LSM7	GSE109604	-0.633465811	knock down	down-regulator	2.06E-05
REG00014	LSM10	GSE109604	-0.632878051	knock down	down-regulator	6.68E-05
REG00014	LIMD2	GSE109604	-0.632601305	knock down	down-regulator	0.047792686
REG00014	SLC2A4RG	GSE109604	-0.632250237	knock down	down-regulator	7.11E-06
REG00014	NPHP3	GSE109604	-0.631412136	knock down	down-regulator	4.98E-05
REG00014	SPANXD	GSE109604	-0.63135462	knock down	down-regulator	0.012534346
REG00014	ZNF551	GSE109604	-0.631130419	knock down	down-regulator	4.79E-07
REG00014	PPP1R11	GSE109604	-0.630786374	knock down	down-regulator	0.036423587
REG00014	FAM171A1	GSE109604	-0.630385448	knock down	down-regulator	0.038426906
REG00014	ZNF574	GSE109604	-0.630020334	knock down	down-regulator	1.87E-05
REG00014	MVD	GSE109604	-0.628516191	knock down	down-regulator	0.001416224
REG00014	KPNB1	GSE109604	-0.628345968	knock down	down-regulator	0.039517534
REG00014	NUTM2A	GSE109604	-0.627905907	knock down	down-regulator	0.000990931
REG00014	CDH5	GSE109604	-0.627503555	knock down	down-regulator	0.000279801
REG00014	YWHAE	GSE109604	-0.626549035	knock down	down-regulator	0.002621097
REG00014	NECAB3	GSE109604	-0.626524611	knock down	down-regulator	0.001148718
REG00014	ZFP36	GSE109604	-0.626204636	knock down	down-regulator	0.012280546
REG00014	ITCH	GSE109604	-0.624724768	knock down	down-regulator	2.65E-05
REG00014	RPL26L1	GSE109604	-0.624541354	knock down	down-regulator	3.37E-05
REG00014	PSME1	GSE109604	-0.624259154	knock down	down-regulator	0.022246075
REG00014	RBM33	GSE109604	-0.622821437	knock down	down-regulator	1.84E-05
REG00014	ACADM	GSE109604	-0.622648928	knock down	down-regulator	0.000170513
REG00014	PKP3	GSE109604	-0.621824316	knock down	down-regulator	0.002803523
REG00014	NGLY1	GSE109604	-0.621667768	knock down	down-regulator	0.004346553
REG00014	ADGRL1	GSE109604	-0.621156718	knock down	down-regulator	0.000140231
REG00014	DIAPH3	GSE109604	-0.621143194	knock down	down-regulator	0.007560265
REG00014	CCT2	GSE109604	-0.620907404	knock down	down-regulator	0.023799876
REG00014	PUS10	GSE109604	-0.620235337	knock down	down-regulator	0.004240774
REG00014	BMP4	GSE109604	-0.620233062	knock down	down-regulator	0.007909647
REG00014	HDAC4	GSE109604	-0.619742588	knock down	down-regulator	0.034468397
REG00014	RBMX2	GSE109604	-0.619564757	knock down	down-regulator	0.001841661
REG00014	ZNF616	GSE109604	-0.617300545	knock down	down-regulator	4.92E-05
REG00014	SPEG	GSE109604	-0.617222805	knock down	down-regulator	0.004484872
REG00014	ANXA5	GSE109604	-0.616436353	knock down	down-regulator	0.000331994

REG00014	IMPA2	GSE109604	-0.615656971	knock down	down-regulator	0.001133816
REG00014	CYFIP2	GSE109604	-0.615239989	knock down	down-regulator	0.000504607
REG00014	INTS4	GSE109604	-0.615006723	knock down	down-regulator	0.000691686
REG00014	MGST1	GSE109604	-0.614291936	knock down	down-regulator	0.041727572
REG00014	PTGR1	GSE109604	-0.613723856	knock down	down-regulator	0.026105152
REG00014	RAB3B	GSE109604	-0.613382807	knock down	down-regulator	0.022108755
REG00014	NGFR	GSE109604	-0.61305988	knock down	down-regulator	0.000583501
REG00014	ARL6IP5	GSE109604	-0.612419714	knock down	down-regulator	0.005868425
REG00014	FOXD4L3	GSE109604	-0.612286939	knock down	down-regulator	0.000284738
REG00014	PTK6	GSE109604	-0.611734937	knock down	down-regulator	0.005281996
REG00014	IL17D	GSE109604	-0.611100184	knock down	down-regulator	8.26E-05
REG00014	POLE3	GSE109604	-0.61015439	knock down	down-regulator	0.004359755
REG00014	ABCB7	GSE109604	-0.610021487	knock down	down-regulator	2.60E-12
REG00014	PTPRZ1	GSE109604	-0.609723278	knock down	down-regulator	0.011523828
REG00014	LRATD1	GSE109604	-0.608016633	knock down	down-regulator	0.016164903
REG00014	IFIT2	GSE109604	-0.607958766	knock down	down-regulator	0.000255485
REG00014	NUP98	GSE109604	-0.607760094	knock down	down-regulator	3.37E-08
REG00014	RAB11FIP1	GSE109604	-0.607271942	knock down	down-regulator	0.019408743
REG00014	WRAP73	GSE109604	-0.60649142	knock down	down-regulator	0.004584264
REG00014	SAMD4A	GSE109604	-0.605883318	knock down	down-regulator	0.004097076
REG00014	PLAT	GSE109604	-0.605421804	knock down	down-regulator	0.017607073
REG00014	PSMB10	GSE109604	-0.603931279	knock down	down-regulator	0.010085568
REG00014	RAVER1	GSE109604	-0.603314382	knock down	down-regulator	0.012282476
REG00014	PDZD11	GSE109604	-0.603314381	knock down	down-regulator	0.012282476
REG00014	HPDL	GSE109604	-0.603282904	knock down	down-regulator	0.005342158
REG00014	PTPRN2	GSE109604	-0.603114395	knock down	down-regulator	0.00755474
REG00014	PPP6C	GSE109604	-0.60230736	knock down	down-regulator	0.030132193
REG00014	SPTB	GSE109604	-0.601542158	knock down	down-regulator	0.00606544
REG00014	FKBP1A	GSE109604	-0.601540273	knock down	down-regulator	0.000755133
REG00014	KIT	GSE109604	-0.601306399	knock down	down-regulator	0.000951688
REG00014	PSMB2	GSE109604	-0.601189884	knock down	down-regulator	0.047448776
REG00014	PCDH7	GSE109604	-0.600970885	knock down	down-regulator	0.028462584
REG00014	OSBP2	GSE109604	-0.600364708	knock down	down-regulator	0.029616911
REG00014	GLIS2	GSE109604	-0.599354473	knock down	down-regulator	0.002539272
REG00014	CARMIL1	GSE109604	-0.599102433	knock down	down-regulator	0.000526328
REG00014	ZNF692	GSE109604	-0.598257805	knock down	down-regulator	0.044866194
REG00014	DGKZ	GSE109604	-0.597485704	knock down	down-regulator	0.035361304
REG00014	AK5	GSE109604	-0.597407263	knock down	down-regulator	0.001813011
REG00014	GPM6A	GSE109604	-0.596366531	knock down	down-regulator	0.001162792
REG00014	COL18A1	GSE109604	-0.59506405	knock down	down-regulator	0.012117297
REG00014	FANCI	GSE109604	-0.594627234	knock down	down-regulator	0.024323113
REG00014	M6PR	GSE109604	-0.594163381	knock down	down-regulator	0.000739671
REG00014	ADNP2	GSE109604	-0.594089451	knock down	down-regulator	5.05E-09
REG00014	MDH2	GSE109604	-0.593122388	knock down	down-regulator	0.00119753
REG00014	IFTAP	GSE109604	-0.592274022	knock down	down-regulator	3.30E-05
REG00014	NR3C2	GSE109604	-0.592258672	knock down	down-regulator	0.002419816
REG00014	HARS1	GSE109604	-0.592034948	knock down	down-regulator	0.016011796
REG00014	MICB	GSE109604	-0.591880245	knock down	down-regulator	0.044043022
REG00014	BRSK1	GSE109604	-0.591255898	knock down	down-regulator	0.013400796
REG00014	DYNC112	GSE109604	-0.59120048	knock down	down-regulator	0.001240604

REG00014	SLC6A6	GSE109604	-0.591182147	knock down	down-regulator	0.000416046
REG00014	ERV3-1	GSE109604	-0.590828694	knock down	down-regulator	0.003039056
REG00014	WDR90	GSE109604	-0.590303032	knock down	down-regulator	0.00026392
REG00014	SSBP4	GSE109604	-0.589762391	knock down	down-regulator	0.000817948
REG00014	CACNB1	GSE109604	-0.589502342	knock down	down-regulator	0.005798232
REG00014	HEXD	GSE109604	-0.588367211	knock down	down-regulator	0.033634923
REG00014	GEM	GSE109604	-0.587828763	knock down	down-regulator	1.61E-11
REG00014	PITPNM2	GSE109604	-0.58684398	knock down	down-regulator	2.00E-06
REG00014	MPP1	GSE109604	-0.586443493	knock down	down-regulator	0.000439876
REG00014	PTPRK	GSE109604	-0.585993008	knock down	down-regulator	0.01213018
REG00014	MTPAP	GSE109604	-0.585707707	knock down	down-regulator	0.00271089
REG00014	RECQL4	GSE109604	-0.585231714	knock down	down-regulator	0.000789576
REG00014	SIRT7	GSE109604	-0.585031467	knock down	down-regulator	0.001018224
REG00014	NDUFS1	GSE109604	0.58527256	knock down	up-regulate	0.000132675
REG00014	PIP5K1A	GSE109604	0.586394324	knock down	up-regulate	0.000230677
REG00014	BANP	GSE109604	0.586570211	knock down	up-regulate	3.70E-06
REG00014	GTF2A2	GSE109604	0.586644762	knock down	up-regulate	1.09E-06
REG00014	TAF1C	GSE109604	0.588366534	knock down	up-regulate	0.02204421
REG00014	SGSM2	GSE109604	0.588566753	knock down	up-regulate	0.023750171
REG00014	DISP2	GSE109604	0.588612449	knock down	up-regulate	0.015955095
REG00014	REEP2	GSE109604	0.589330223	knock down	up-regulate	0.000601299
REG00014	CHERP	GSE109604	0.589565281	knock down	up-regulate	0.020763749
REG00014	NME2	GSE109604	0.591823102	knock down	up-regulate	0.009463537
REG00014	DHX57	GSE109604	0.592998098	knock down	up-regulate	0.002167528
REG00014	RCN3	GSE109604	0.59347513	knock down	up-regulate	0.002785827
REG00014	H2BC4	GSE109604	0.593509347	knock down	up-regulate	1.91E-29
REG00014	DTX3	GSE109604	0.593532647	knock down	up-regulate	0.02625019
REG00014	EMILIN3	GSE109604	0.595830306	knock down	up-regulate	0.027494433
REG00014	POLR3C	GSE109604	0.596674768	knock down	up-regulate	0.008606702
REG00014	AP3B1	GSE109604	0.59712698	knock down	up-regulate	0.001493161
REG00014	NVL	GSE109604	0.597563458	knock down	up-regulate	0.000203246
REG00014	TBCCD1	GSE109604	0.597824949	knock down	up-regulate	0.017132644
REG00014	FLRT1	GSE109604	0.598972705	knock down	up-regulate	0.009504501
REG00014	ENTPD7	GSE109604	0.600412682	knock down	up-regulate	0.000835695
REG00014	SQOR	GSE109604	0.600682345	knock down	up-regulate	0.040647253
REG00014	COLEC11	GSE109604	0.601510736	knock down	up-regulate	0.002543456
REG00014	AMDHD1	GSE109604	0.602855502	knock down	up-regulate	0.00029031
REG00014	CASKIN1	GSE109604	0.60294784	knock down	up-regulate	0.019654941
REG00014	H2AC18	GSE109604	0.603576738	knock down	up-regulate	2.96E-32
REG00014	SARDH	GSE109604	0.603598976	knock down	up-regulate	0.016902354
REG00014	AK6	GSE109604	0.603957298	knock down	up-regulate	0.001905842
REG00014	ERVMER34-1	GSE109604	0.605279731	knock down	up-regulate	0.001224442
REG00014	CD93	GSE109604	0.605437639	knock down	up-regulate	0.039164898
REG00014	CST3	GSE109604	0.607062061	knock down	up-regulate	0.003354813
REG00014	ZNF460	GSE109604	0.60779652	knock down	up-regulate	0.004435405
REG00014	C17orf107	GSE109604	0.608524094	knock down	up-regulate	0.019735008
REG00014	GYPC	GSE109604	0.609389275	knock down	up-regulate	0.02428843
REG00014	KRTAP4-9	GSE109604	0.609454512	knock down	up-regulate	9.91E-13
REG00014	GNB3	GSE109604	0.610672361	knock down	up-regulate	7.29E-06
REG00014	IGFBP7	GSE109604	0.611831426	knock down	up-regulate	0.000145755

REG00014	ACTR8	GSE109604	0.613300034	knock down	up-regulate	0.03260372
REG00014	NDC1	GSE109604	0.613469001	knock down	up-regulate	0.000197854
REG00014	NANS	GSE109604	0.613543015	knock down	up-regulate	0.011099533
REG00014	IFI6	GSE109604	0.613547461	knock down	up-regulate	9.66E-05
REG00014	L3MBTL3	GSE109604	0.613556499	knock down	up-regulate	0.000868639
REG00014	DLX1	GSE109604	0.613637696	knock down	up-regulate	0.010566484
REG00014	COL1A1	GSE109604	0.61418428	knock down	up-regulate	0.017376088
REG00014	THBS1	GSE109604	0.614315423	knock down	up-regulate	0.046147065
REG00014	WDR3	GSE109604	0.615418341	knock down	up-regulate	0.00019217
REG00014	DNAJB14	GSE109604	0.617422558	knock down	up-regulate	0.003480235
REG00014	DOCK2	GSE109604	0.618155936	knock down	up-regulate	0.034950152
REG00014	HSPA2	GSE109604	0.618995386	knock down	up-regulate	0.005850212
REG00014	NEK8	GSE109604	0.619337355	knock down	up-regulate	0.00469574
REG00014	TAF6L	GSE109604	0.619569474	knock down	up-regulate	0.043443572
REG00014	GPNMB	GSE109604	0.620301396	knock down	up-regulate	0.001952394
REG00014	E2F4	GSE109604	0.621248208	knock down	up-regulate	0.04139221
REG00014	OAS1	GSE109604	0.622576076	knock down	up-regulate	0.000622045
REG00014	CTU2	GSE109604	0.623590881	knock down	up-regulate	0.000701383
REG00014	DIPK1A	GSE109604	0.623696103	knock down	up-regulate	0.029329741
REG00014	CCNDBP1	GSE109604	0.623819047	knock down	up-regulate	0.034243362
REG00014	GRAMD1A	GSE109604	0.625087562	knock down	up-regulate	0.002499821
REG00014	NGDN	GSE109604	0.626719402	knock down	up-regulate	0.005011404
REG00014	MAPK12	GSE109604	0.626774011	knock down	up-regulate	0.013121232
REG00014	RP2	GSE109604	0.628597546	knock down	up-regulate	0.013395746
REG00014	LRP5	GSE109604	0.628718353	knock down	up-regulate	0.00424393
REG00014	IL13RA1	GSE109604	0.629272487	knock down	up-regulate	0.000205757
REG00014	CPS1	GSE109604	0.629828378	knock down	up-regulate	0.016221799
REG00014	SEC23A	GSE109604	0.629884435	knock down	up-regulate	0.005496575
REG00014	CIB1	GSE109604	0.630349876	knock down	up-regulate	6.92E-06
REG00014	TAF9B	GSE109604	0.631441562	knock down	up-regulate	0.046175994
REG00014	FOXD4L1	GSE109604	0.631705384	knock down	up-regulate	6.70E-05
REG00014	SH3GL1	GSE109604	0.632401296	knock down	up-regulate	0.010579041
REG00014	HPS1	GSE109604	0.632821009	knock down	up-regulate	0.047900523
REG00014	DDO	GSE109604	0.632990236	knock down	up-regulate	0.011885168
REG00014	NTHL1	GSE109604	0.633102543	knock down	up-regulate	3.09E-05
REG00014	ATF1	GSE109604	0.633356207	knock down	up-regulate	0.009743267
REG00014	STAC	GSE109604	0.634124862	knock down	up-regulate	0.036094592
REG00014	ARHGEF25	GSE109604	0.634241315	knock down	up-regulate	0.014183849
REG00014	SLC9A3R1	GSE109604	0.634483719	knock down	up-regulate	0.004899275
REG00014	ANKRD33B	GSE109604	0.634622398	knock down	up-regulate	1.47E-05
REG00014	ANXA1	GSE109604	0.635009774	knock down	up-regulate	0.032703555
REG00014	NMT2	GSE109604	0.635426978	knock down	up-regulate	0.036477912
REG00014	LIFR	GSE109604	0.636061982	knock down	up-regulate	0.025905613
REG00014	MB21D2	GSE109604	0.637176618	knock down	up-regulate	0.001137637
REG00014	DPYSL3	GSE109604	0.638587261	knock down	up-regulate	0.002497753
REG00014	ARMCX2	GSE109604	0.639281246	knock down	up-regulate	0.004768021
REG00014	SMAD7	GSE109604	0.640992356	knock down	up-regulate	0.033430825
REG00014	GLA	GSE109604	0.64135671	knock down	up-regulate	0.000235824
REG00014	DNAJC4	GSE109604	0.642162141	knock down	up-regulate	0.022385727
REG00014	ATF2	GSE109604	0.643526415	knock down	up-regulate	0.013447358

REG00014	SFI1	GSE109604	0.644508866	knock down	up-regulate	0.000294598
REG00014	KRBA1	GSE109604	0.64503478	knock down	up-regulate	0.000527875
REG00014	KDM4B	GSE109604	0.645216979	knock down	up-regulate	0.00092087
REG00014	KYAT1	GSE109604	0.647067661	knock down	up-regulate	2.37E-16
REG00014	CPT1A	GSE109604	0.648102699	knock down	up-regulate	0.001008856
REG00014	AZIN2	GSE109604	0.648740729	knock down	up-regulate	0.043052462
REG00014	FRS3	GSE109604	0.649227631	knock down	up-regulate	0.002907905
REG00014	NPHP4	GSE109604	0.649590035	knock down	up-regulate	0.002713198
REG00014	YJEFN3	GSE109604	0.649591347	knock down	up-regulate	1.06E-05
REG00014	STAT2	GSE109604	0.650800024	knock down	up-regulate	0.000676786
REG00014	TSPAN15	GSE109604	0.650977678	knock down	up-regulate	0.013014505
REG00014	NFXL1	GSE109604	0.651643901	knock down	up-regulate	5.40E-07
REG00014	PRDM15	GSE109604	0.6522	knock down	up-regulate	0.03916
REG00014	OPTN	GSE109604	0.65291771	knock down	up-regulate	0.012356355
REG00014	ADGRB2	GSE109604	0.653018019	knock down	up-regulate	1.47E-05
REG00014	MEX3D	GSE109604	0.653143285	knock down	up-regulate	0.018543461
REG00014	SH2D5	GSE109604	0.654002798	knock down	up-regulate	0.00297586
REG00014	ZFP91	GSE109604	0.654076297	knock down	up-regulate	1.14E-05
REG00014	NDUFAF1	GSE109604	0.654120391	knock down	up-regulate	0.000798457
REG00014	CDK20	GSE109604	0.65516992	knock down	up-regulate	0.022755706
REG00014	UNC13D	GSE109604	0.655175247	knock down	up-regulate	0.017391088
REG00014	GLUD1	GSE109604	0.656712638	knock down	up-regulate	0.006021706
REG00014	NAA16	GSE109604	0.658421681	knock down	up-regulate	0.002713003
REG00014	OGDH	GSE109604	0.660619763	knock down	up-regulate	0.042116168
REG00014	PLPP5	GSE109604	0.661776486	knock down	up-regulate	0.003484343
REG00014	RAVER2	GSE109604	0.662113665	knock down	up-regulate	0.02385327
REG00014	CCNL2	GSE109604	0.662969873	knock down	up-regulate	0.001528486
REG00014	C3AR1	GSE109604	0.667405387	knock down	up-regulate	0.029034522
REG00014	CNIH3	GSE109604	0.668545389	knock down	up-regulate	0.001318821
REG00014	GAB1	GSE109604	0.671667849	knock down	up-regulate	6.60E-65
REG00014	LY96	GSE109604	0.671680985	knock down	up-regulate	0.003887293
REG00014	IP6K2	GSE109604	0.672052512	knock down	up-regulate	0.000119656
REG00014	SKIC3	GSE109604	0.673812685	knock down	up-regulate	0.002479639
REG00014	CAPRIN1	GSE109604	0.674051182	knock down	up-regulate	0.049677989
REG00014	RNASEH1	GSE109604	0.674504954	knock down	up-regulate	0.004009156
REG00014	DERL2	GSE109604	0.674585052	knock down	up-regulate	0.000944743
REG00014	MFAP1	GSE109604	0.675262063	knock down	up-regulate	0.009809071
REG00014	DHRS12	GSE109604	0.675846708	knock down	up-regulate	0.013855384
REG00014	ZC3H10	GSE109604	0.675892041	knock down	up-regulate	0.001191631
REG00014	CCDC57	GSE109604	0.676432801	knock down	up-regulate	0.036381604
REG00014	SFXN2	GSE109604	0.676583882	knock down	up-regulate	0.007931348
REG00014	ABHD16A	GSE109604	0.677526972	knock down	up-regulate	0.048317852
REG00014	DUT	GSE109604	0.679061939	knock down	up-regulate	0.00044568
REG00014	FBXW9	GSE109604	0.679507411	knock down	up-regulate	0.009538763
REG00014	PEX2	GSE109604	0.67978541	knock down	up-regulate	0.022573811
REG00014	ATP2C1	GSE109604	0.681823584	knock down	up-regulate	2.84E-07
REG00014	MTRF1L	GSE109604	0.68223974	knock down	up-regulate	0.007149317
REG00014	PPFIBP1	GSE109604	0.6826	knock down	up-regulate	0.001285
REG00014	CARMIL2	GSE109604	0.683765781	knock down	up-regulate	0.029063683
REG00014	GRTP1	GSE109604	0.684686293	knock down	up-regulate	3.70E-07

REG00014	KIAA0586	GSE109604	0.686297039	knock down	up-regulate	0.010687988
REG00014	FDXACB1	GSE109604	0.687484913	knock down	up-regulate	0.023984794
REG00014	KLF16	GSE109604	0.687958968	knock down	up-regulate	3.55E-29
REG00014	DBNDD2	GSE109604	0.687971828	knock down	up-regulate	0.003655296
REG00014	CELSR3	GSE109604	0.688872133	knock down	up-regulate	0.007536888
REG00014	FBXW4	GSE109604	0.68958968	knock down	up-regulate	0.021409724
REG00014	CLMP	GSE109604	0.690109472	knock down	up-regulate	0.002386957
REG00014	LEPROT	GSE109604	0.690658216	knock down	up-regulate	0.048936209
REG00014	MROH6	GSE109604	0.692099612	knock down	up-regulate	7.23E-06
REG00014	COL17A1	GSE109604	0.69258595	knock down	up-regulate	0.003681437
REG00014	MILR1	GSE109604	0.692735587	knock down	up-regulate	1.96E-05
REG00014	TAF4	GSE109604	0.692753071	knock down	up-regulate	0.006766804
REG00014	PLAGL1	GSE109604	0.694055405	knock down	up-regulate	0.003467828
REG00014	VDAC3	GSE109604	0.694502222	knock down	up-regulate	6.43E-07
REG00014	ID3	GSE109604	0.694953414	knock down	up-regulate	0.000238378
REG00014	MYO9B	GSE109604	0.698474535	knock down	up-regulate	0.035253427
REG00014	S100A10	GSE109604	0.700252165	knock down	up-regulate	0.000545992
REG00014	PARP3	GSE109604	0.700252165	knock down	up-regulate	0.000545992
REG00014	SERPINE2	GSE109604	0.701336411	knock down	up-regulate	9.96E-05
REG00014	SEMA6C	GSE109604	0.701393761	knock down	up-regulate	0.029368862
REG00014	DNAH17	GSE109604	0.702412457	knock down	up-regulate	0.011056434
REG00014	PHF10	GSE109604	0.704462628	knock down	up-regulate	0.000194576
REG00014	SMIM30	GSE109604	0.704675558	knock down	up-regulate	0.000872427
REG00014	CELSR2	GSE109604	0.70476413	knock down	up-regulate	0.001702188
REG00014	GSTT2B	GSE109604	0.706189093	knock down	up-regulate	0.000337946
REG00014	TARBP1	GSE109604	0.707094747	knock down	up-regulate	0.008328369
REG00014	DLL3	GSE109604	0.707271815	knock down	up-regulate	0.000613545
REG00014	SDK1	GSE109604	0.708234985	knock down	up-regulate	0.023219889
REG00014	GLIPR1	GSE109604	0.709074115	knock down	up-regulate	0.003975024
REG00014	IARS1	GSE109604	0.710360678	knock down	up-regulate	0.000431737
REG00014	EBPL	GSE109604	0.71053312	knock down	up-regulate	0.02494292
REG00014	LYRM1	GSE109604	0.711589784	knock down	up-regulate	2.10E-05
REG00014	RPRD1A	GSE109604	0.711774847	knock down	up-regulate	0.000144611
REG00014	TES	GSE109604	0.712997094	knock down	up-regulate	0.008463117
REG00014	FADS2	GSE109604	0.713077143	knock down	up-regulate	0.01914578
REG00014	CHP1	GSE109604	0.713101217	knock down	up-regulate	0.004380225
REG00014	EXOSC5	GSE109604	0.715791571	knock down	up-regulate	0.004512599
REG00014	REXO2	GSE109604	0.715896449	knock down	up-regulate	0.00303629
REG00014	NDUFAF4	GSE109604	0.716134375	knock down	up-regulate	0.011944128
REG00014	EML3	GSE109604	0.716745378	knock down	up-regulate	0.019084415
REG00014	SYN	GSE109604	0.717261959	knock down	up-regulate	0.003696034
REG00014	INSIG1	GSE109604	0.718219934	knock down	up-regulate	0.001954017
REG00014	IL11	GSE109604	0.718917267	knock down	up-regulate	5.08E-05
REG00014	SASH1	GSE109604	0.719782401	knock down	up-regulate	0.012296034
REG00014	FTSJ1	GSE109604	0.719961315	knock down	up-regulate	0.034074031
REG00014	C1orf159	GSE109604	0.720087218	knock down	up-regulate	8.06E-07
REG00014	MMP2	GSE109604	0.720160166	knock down	up-regulate	6.55E-05
REG00014	RPS24	GSE109604	0.720473363	knock down	up-regulate	0.000326089
REG00014	TXN2	GSE109604	0.72107191	knock down	up-regulate	0.005381619
REG00014	IQCG	GSE109604	0.721338472	knock down	up-regulate	0.000305565

REG00014	RHBDD2	GSE109604	0.722229919	knock down	up-regulate	0.000709947
REG00014	LAMA5	GSE109604	0.722823559	knock down	up-regulate	6.30E-07
REG00014	NTN4	GSE109604	0.722844325	knock down	up-regulate	0.012788122
REG00014	UBE2C	GSE109604	0.723480072	knock down	up-regulate	0.007893079
REG00014	HOXA11	GSE109604	0.72516729	knock down	up-regulate	0.000112422
REG00014	ATP6V1A	GSE109604	0.725274244	knock down	up-regulate	0.002578132
REG00014	MAPK7	GSE109604	0.725588529	knock down	up-regulate	0.00460045
REG00014	GMFG	GSE109604	0.728359208	knock down	up-regulate	0.005761688
REG00014	LOXL2	GSE109604	0.728741161	knock down	up-regulate	0.000205694
REG00014	TMEM171	GSE109604	0.729313814	knock down	up-regulate	0.016126346
REG00014	CKAP4	GSE109604	0.729994506	knock down	up-regulate	0.013060929
REG00014	VDAC2	GSE109604	0.73022657	knock down	up-regulate	0.004822332
REG00014	DZANK1	GSE109604	0.730757187	knock down	up-regulate	0.005010825
REG00014	RFX1	GSE109604	0.731795441	knock down	up-regulate	0.007790591
REG00014	RNF126	GSE109604	0.732455713	knock down	up-regulate	3.01E-05
REG00014	GFPT2	GSE109604	0.732473186	knock down	up-regulate	6.91E-05
REG00014	CCDC86	GSE109604	0.734336518	knock down	up-regulate	0.003347496
REG00014	FANCD2	GSE109604	0.73470459	knock down	up-regulate	0.019823168
REG00014	ATF6	GSE109604	0.73500782	knock down	up-regulate	0.009542749
REG00014	FGF5	GSE109604	0.736097538	knock down	up-regulate	0.015936958
REG00014	NAXD	GSE109604	0.736487184	knock down	up-regulate	0.042352666
REG00014	GCNT1	GSE109604	0.736646146	knock down	up-regulate	2.72E-10
REG00014	NR2F1	GSE109604	0.737619585	knock down	up-regulate	0.000396726
REG00014	FBXO32	GSE109604	0.737724721	knock down	up-regulate	0.008985851
REG00014	IFI35	GSE109604	0.740349149	knock down	up-regulate	0.001083003
REG00014	PRDM1	GSE109604	0.7409	knock down	up-regulate	1.11E-05
REG00014	KCNV2	GSE109604	0.7435	knock down	up-regulate	0.0102
REG00014	CDH20	GSE109604	0.744007628	knock down	up-regulate	0.008134222
REG00014	SMURF2	GSE109604	0.744574696	knock down	up-regulate	0.011207065
REG00014	LLGL2	GSE109604	0.745304819	knock down	up-regulate	0.044144481
REG00014	TBX6	GSE109604	0.745538953	knock down	up-regulate	0.012146886
REG00014	NSMAF	GSE109604	0.746527763	knock down	up-regulate	0.014810876
REG00014	SHC4	GSE109604	0.747786902	knock down	up-regulate	0.018104368
REG00014	CCDC32	GSE109604	0.748932175	knock down	up-regulate	0.042043845
REG00014	VWA7	GSE109604	0.749287496	knock down	up-regulate	1.39E-06
REG00014	CDHR3	GSE109604	0.74938806	knock down	up-regulate	3.76E-05
REG00014	PCIF1	GSE109604	0.753730525	knock down	up-regulate	0.000826437
REG00014	POLR2G	GSE109604	0.753730525	knock down	up-regulate	0.000826437
REG00014	STKLD1	GSE109604	0.755541934	knock down	up-regulate	0.001896846
REG00014	MGAT5B	GSE109604	0.75636279	knock down	up-regulate	7.71E-09
REG00014	INVS	GSE109604	0.756578	knock down	up-regulate	0.001833467
REG00014	ELFN2	GSE109604	0.757191168	knock down	up-regulate	0.008491322
REG00014	LENG8	GSE109604	0.757757824	knock down	up-regulate	0.002478147
REG00014	BMPER	GSE109604	0.75797571	knock down	up-regulate	0.017326264
REG00014	APC2	GSE109604	0.759016666	knock down	up-regulate	0.029401829
REG00014	DONSON	GSE109604	0.763949139	knock down	up-regulate	6.11E-05
REG00014	RSKR	GSE109604	0.763975725	knock down	up-regulate	0.010578863
REG00014	FKBP11	GSE109604	0.764110229	knock down	up-regulate	1.06E-05
REG00014	DOCK9	GSE109604	0.764305782	knock down	up-regulate	0.001737591
REG00014	SIX5	GSE109604	0.764595816	knock down	up-regulate	0.000134121

REG00014	GSTP1	GSE109604	0.766791253	knock down	up-regulate	1.64E-05
REG00014	KCNQ5	GSE109604	0.7668	knock down	up-regulate	0.01479
REG00014	ARHGAP33	GSE109604	0.76765083	knock down	up-regulate	0.029405361
REG00014	CALCOCO2	GSE109604	0.768023443	knock down	up-regulate	0.018285254
REG00014	CLIC2	GSE109604	0.769718668	knock down	up-regulate	0.01371182
REG00014	CDC42EP3	GSE109604	0.769942502	knock down	up-regulate	0.001699536
REG00014	RPL37A	GSE109604	0.770315425	knock down	up-regulate	0.005161356
REG00014	RPS27A	GSE109604	0.770717811	knock down	up-regulate	3.34E-06
REG00014	HMGB3	GSE109604	0.771915771	knock down	up-regulate	0.037633353
REG00014	SRSF2	GSE109604	0.772119028	knock down	up-regulate	0.037272751
REG00014	PARP14	GSE109604	0.772786385	knock down	up-regulate	0.020213447
REG00014	PGAP1	GSE109604	0.773476559	knock down	up-regulate	0.000111286
REG00014	FASTKD5	GSE109604	0.773613522	knock down	up-regulate	0.014760023
REG00014	FBXL15	GSE109604	0.77423787	knock down	up-regulate	1.37E-87
REG00014	CCNJ	GSE109604	0.775920632	knock down	up-regulate	0.011367683
REG00014	ITGB5	GSE109604	0.777386287	knock down	up-regulate	0.006451563
REG00014	IFT46	GSE109604	0.778021603	knock down	up-regulate	4.80E-05
REG00014	AK1	GSE109604	0.778398013	knock down	up-regulate	3.17E-05
REG00014	SCRIB	GSE109604	0.779223761	knock down	up-regulate	0.000293618
REG00014	ZNF417	GSE109604	0.779527293	knock down	up-regulate	0.000368325
REG00014	NINL	GSE109604	0.780107362	knock down	up-regulate	0.000239812
REG00014	KDELR2	GSE109604	0.780577678	knock down	up-regulate	2.65E-21
REG00014	SHISA3	GSE109604	0.783408245	knock down	up-regulate	0.014079085
REG00014	GLB1L	GSE109604	0.783998969	knock down	up-regulate	0.00168444
REG00014	TAGLN3	GSE109604	0.784481578	knock down	up-regulate	0.004444269
REG00014	GM2A	GSE109604	0.786158062	knock down	up-regulate	2.01E-07
REG00014	FHIP2B	GSE109604	0.786259646	knock down	up-regulate	0.02521682
REG00014	TMEM167B	GSE109604	0.786476565	knock down	up-regulate	0.004445331
REG00014	FOXO3B	GSE109604	0.786702892	knock down	up-regulate	5.47E-05
REG00014	PER1	GSE109604	0.788475893	knock down	up-regulate	0.000496173
REG00014	STAG3	GSE109604	0.791549536	knock down	up-regulate	0.000581614
REG00014	CASD1	GSE109604	0.791628795	knock down	up-regulate	0.000295708
REG00014	ZDHHC18	GSE109604	0.792886877	knock down	up-regulate	0.045073916
REG00014	MRPL4	GSE109604	0.792955457	knock down	up-regulate	0.000629041
REG00014	GOLGA5	GSE109604	0.793252934	knock down	up-regulate	3.06E-05
REG00014	DCXR	GSE109604	0.796962985	knock down	up-regulate	0.000689665
REG00014	C16orf46	GSE109604	0.79735636	knock down	up-regulate	0.046956015
REG00014	AEBP1	GSE109604	0.797855406	knock down	up-regulate	1.11E-07
REG00014	TTC39C	GSE109604	0.798467571	knock down	up-regulate	0.013698888
REG00014	GOLGA8A	GSE109604	0.799128474	knock down	up-regulate	0.045048318
REG00014	TIMP3	GSE109604	0.799728674	knock down	up-regulate	0.03874894
REG00014	UBL4A	GSE109604	0.800375221	knock down	up-regulate	0.001911092
REG00014	ZBTB1	GSE109604	0.801281146	knock down	up-regulate	1.40E-05
REG00014	GSN	GSE109604	0.801373198	knock down	up-regulate	9.84E-10
REG00014	SUSD2	GSE109604	0.803145165	knock down	up-regulate	0.00440375
REG00014	BTRC	GSE109604	0.80338488	knock down	up-regulate	3.47E-06
REG00014	ACADS	GSE109604	0.807720549	knock down	up-regulate	0.001286275
REG00014	EXOSC9	GSE109604	0.809277723	knock down	up-regulate	0.008908954
REG00014	CA11	GSE109604	0.810723153	knock down	up-regulate	0.014815704
REG00014	ACSL5	GSE109604	0.811590911	knock down	up-regulate	0.003733107

REG00014	CSF3	GSE109604	0.81252994	knock down	up-regulate	0.0007453
REG00014	MAT2B	GSE109604	0.813652275	knock down	up-regulate	0.047675797
REG00014	ASMTL	GSE109604	0.816818174	knock down	up-regulate	0.018773519
REG00014	TINAGL1	GSE109604	0.817491085	knock down	up-regulate	0.00143739
REG00014	CAMKK1	GSE109604	0.820635389	knock down	up-regulate	0.036160708
REG00014	DLX2	GSE109604	0.820678118	knock down	up-regulate	0.007183215
REG00014	HDGF	GSE109604	0.822213125	knock down	up-regulate	0.024239285
REG00014	STK25	GSE109604	0.825161228	knock down	up-regulate	0.015592131
REG00014	VPS9D1	GSE109604	0.825211601	knock down	up-regulate	1.28E-06
REG00014	PIF1	GSE109604	0.825495018	knock down	up-regulate	0.02992935
REG00014	CALM2	GSE109604	0.825633571	knock down	up-regulate	0.012516149
REG00014	MAPKBP1	GSE109604	0.827828187	knock down	up-regulate	0.012912434
REG00014	ACTL8	GSE109604	0.828173567	knock down	up-regulate	0.001792938
REG00014	MED7	GSE109604	0.831288054	knock down	up-regulate	9.92E-11
REG00014	ECPAS	GSE109604	0.832111752	knock down	up-regulate	0.04541185
REG00014	ANKRD44	GSE109604	0.833125075	knock down	up-regulate	8.53E-05
REG00014	GDPD5	GSE109604	0.835529847	knock down	up-regulate	6.54E-05
REG00014	CRHR2	GSE109604	0.836779604	knock down	up-regulate	0.013765495
REG00014	NIF3L1	GSE109604	0.837905058	knock down	up-regulate	0.000683779
REG00014	STK16	GSE109604	0.838402086	knock down	up-regulate	0.001478938
REG00014	HIBADH	GSE109604	0.838621179	knock down	up-regulate	0.031488331
REG00014	RC3H2	GSE109604	0.839882683	knock down	up-regulate	0.000125441
REG00014	NPRL3	GSE109604	0.840718999	knock down	up-regulate	0.025915652
REG00014	CAMK1G	GSE109604	0.841874415	knock down	up-regulate	0.000651401
REG00014	MFSD14B	GSE109604	0.841964887	knock down	up-regulate	4.10E-05
REG00014	NPC1L1	GSE109604	0.842057412	knock down	up-regulate	0.036525402
REG00014	FOS	GSE109604	0.842327697	knock down	up-regulate	0.000577871
REG00014	ORMDL2	GSE109604	0.842484772	knock down	up-regulate	0.017504796
REG00014	ZFYVE27	GSE109604	0.84390631	knock down	up-regulate	0.020642563
REG00014	FERMT3	GSE109604	0.84544925	knock down	up-regulate	0.045376154
REG00014	PDE5A	GSE109604	0.848696319	knock down	up-regulate	0.004825085
REG00014	TNC	GSE109604	0.850428963	knock down	up-regulate	0.032218973
REG00014	RCOR1	GSE109604	0.850564852	knock down	up-regulate	0.00176265
REG00014	APIG2	GSE109604	0.850930897	knock down	up-regulate	0.025234697
REG00014	MXI1	GSE109604	0.851203829	knock down	up-regulate	6.46E-06
REG00014	CCDC77	GSE109604	0.854261941	knock down	up-regulate	0.04288871
REG00014	LDAH	GSE109604	0.854983724	knock down	up-regulate	0.026501017
REG00014	C1GALT1	GSE109604	0.855235492	knock down	up-regulate	0.002184963
REG00014	MSL1	GSE109604	0.857771125	knock down	up-regulate	0.007750136
REG00014	TAPT1	GSE109604	0.85848722	knock down	up-regulate	0.008360606
REG00014	FN3KRP	GSE109604	0.858951204	knock down	up-regulate	0.00968288
REG00014	HLA-B	GSE109604	0.859611241	knock down	up-regulate	0.000657139
REG00014	NLGN2	GSE109604	0.860112521	knock down	up-regulate	0.020902221
REG00014	SVIL	GSE109604	0.861328356	knock down	up-regulate	0.040089024
REG00014	CENPN	GSE109604	0.863817149	knock down	up-regulate	0.048244914
REG00014	ITGA2	GSE109604	0.865585946	knock down	up-regulate	6.26E-05
REG00014	EHD1	GSE109604	0.866659106	knock down	up-regulate	0.036720085
REG00014	PPCDC	GSE109604	0.868003836	knock down	up-regulate	0.005686043
REG00014	C16orf74	GSE109604	0.871363028	knock down	up-regulate	3.97E-06
REG00014	KDM5B	GSE109604	0.872885682	knock down	up-regulate	2.72E-05

REG00014	FRMD5	GSE109604	0.873312647	knock down	up-regulate	0.007627559
REG00014	SOD1	GSE109604	0.876489538	knock down	up-regulate	0.04002362
REG00014	PPT1	GSE109604	0.876801356	knock down	up-regulate	0.00038673
REG00014	ILDR2	GSE109604	0.879135183	knock down	up-regulate	0.022137172
REG00014	SERINC3	GSE109604	0.879377503	knock down	up-regulate	0.043271175
REG00014	KLHDC10	GSE109604	0.879607686	knock down	up-regulate	1.97E-20
REG00014	PLEKHD1	GSE109604	0.883300303	knock down	up-regulate	0.005106543
REG00014	DNM2	GSE109604	0.88351361	knock down	up-regulate	0.007554848
REG00014	FBXO25	GSE109604	0.883788923	knock down	up-regulate	3.69E-06
REG00014	B3GAT3	GSE109604	0.885093057	knock down	up-regulate	3.49E-05
REG00014	DOCK11	GSE109604	0.890044343	knock down	up-regulate	0.001299587
REG00014	FBXL8	GSE109604	0.890097215	knock down	up-regulate	1.72E-286
REG00014	ASB1	GSE109604	0.891701112	knock down	up-regulate	0.000173304
REG00014	GALNT18	GSE109604	0.894033664	knock down	up-regulate	5.55E-05
REG00014	CARD9	GSE109604	0.896358973	knock down	up-regulate	0.024271462
REG00014	ZNF428	GSE109604	0.897428392	knock down	up-regulate	1.51E-06
REG00014	ARHGEF39	GSE109604	0.897896158	knock down	up-regulate	0.045956531
REG00014	C11orf1	GSE109604	0.90041337	knock down	up-regulate	0.008445617
REG00014	HMG3	GSE109604	0.900789682	knock down	up-regulate	0.033291661
REG00014	TOR2A	GSE109604	0.905204373	knock down	up-regulate	0.001008808
REG00014	PPRC1	GSE109604	0.9079	knock down	up-regulate	0.0001494
REG00014	KLHL2	GSE109604	0.908447102	knock down	up-regulate	0.049636126
REG00014	MAML1	GSE109604	0.909825844	knock down	up-regulate	1.38E-09
REG00014	CCT3	GSE109604	0.910498489	knock down	up-regulate	0.037172535
REG00014	NECTIN1	GSE109604	0.911301486	knock down	up-regulate	0.005811293
REG00014	CASP6	GSE109604	0.912405373	knock down	up-regulate	0.003110745
REG00014	NOG	GSE109604	0.914872438	knock down	up-regulate	0.013062042
REG00014	POLR2C	GSE109604	0.915935126	knock down	up-regulate	0.000350363
REG00014	CD9	GSE109604	0.916117892	knock down	up-regulate	0.018319768
REG00014	CALB2	GSE109604	0.917048009	knock down	up-regulate	0.007113071
REG00014	D2HGDH	GSE109604	0.917133966	knock down	up-regulate	0.008866141
REG00014	OSBPL7	GSE109604	0.918328311	knock down	up-regulate	0.016525377
REG00014	AAK1	GSE109604	0.919809441	knock down	up-regulate	0.003528617
REG00014	ARL6IP6	GSE109604	0.922137956	knock down	up-regulate	5.29E-05
REG00014	SHC3	GSE109604	0.92281043	knock down	up-regulate	0.000750042
REG00014	CD63	GSE109604	0.924679704	knock down	up-regulate	0.007373506
REG00014	KLHL4	GSE109604	0.924890656	knock down	up-regulate	0.000174751
REG00014	NGEF	GSE109604	0.926205615	knock down	up-regulate	0.037267696
REG00014	RHOBTB3	GSE109604	0.927786385	knock down	up-regulate	0.009863687
REG00014	HLA-DPA1	GSE109604	0.92794624	knock down	up-regulate	0.000378649
REG00014	XAB2	GSE109604	0.930369418	knock down	up-regulate	2.49E-09
REG00014	C1RL	GSE109604	0.932596867	knock down	up-regulate	0.00090554
REG00014	ERCC2	GSE109604	0.934085078	knock down	up-regulate	0.026457149
REG00014	MIPEP	GSE109604	0.934151081	knock down	up-regulate	0.000669516
REG00014	RIPPLY2	GSE109604	0.935414586	knock down	up-regulate	0.000131147
REG00014	SMIM29	GSE109604	0.937160975	knock down	up-regulate	0.030133671
REG00014	ECH1	GSE109604	0.938744948	knock down	up-regulate	0.000279831
REG00014	CDH22	GSE109604	0.939412061	knock down	up-regulate	0.000123401
REG00014	CPEB1	GSE109604	0.9400167	knock down	up-regulate	1.98E-05
REG00014	FBXL17	GSE109604	0.94133918	knock down	up-regulate	1.89E-08

REG00014	KPNA2	GSE109604	0.94439931	knock down	up-regulate	0.000957801
REG00014	DPYSL2	GSE109604	0.944712003	knock down	up-regulate	7.59E-05
REG00014	LBH	GSE109604	0.946125622	knock down	up-regulate	4.88E-15
REG00014	MIB1	GSE109604	0.946737832	knock down	up-regulate	0.004787828
REG00014	SMKR1	GSE109604	0.95035664	knock down	up-regulate	0.001019298
REG00014	MRPL47	GSE109604	0.950801799	knock down	up-regulate	0.005515789
REG00014	MYOF	GSE109604	0.954430646	knock down	up-regulate	0.006855585
REG00014	JRK	GSE109604	0.959449095	knock down	up-regulate	3.30E-06
REG00014	MTO1	GSE109604	0.960871649	knock down	up-regulate	0.011225535
REG00014	RPN1	GSE109604	0.963391969	knock down	up-regulate	0.002669097
REG00014	RUNX1T1	GSE109604	0.967655934	knock down	up-regulate	0.005903704
REG00014	PPA2	GSE109604	0.969410993	knock down	up-regulate	0.000149672
REG00014	CCDC122	GSE109604	0.9696301	knock down	up-regulate	0.002962262
REG00014	KLHL20	GSE109604	0.970837144	knock down	up-regulate	2.06E-21
REG00014	ARHGDIA	GSE109604	0.972263613	knock down	up-regulate	0.019378858
REG00014	F8	GSE109604	0.973705118	knock down	up-regulate	5.49E-05
REG00014	CLIP4	GSE109604	0.977523769	knock down	up-regulate	0.00012247
REG00014	ABHD16B	GSE109604	0.979384691	knock down	up-regulate	0.008376981
REG00014	ZSWIM7	GSE109604	0.979938519	knock down	up-regulate	0.029509835
REG00014	TPGS1	GSE109604	0.981897809	knock down	up-regulate	0.010457732
REG00014	TOP3B	GSE109604	0.983835356	knock down	up-regulate	0.005351236
REG00014	DAB2	GSE109604	0.984841143	knock down	up-regulate	0.004501416
REG00014	ARHGEF19	GSE109604	0.985873915	knock down	up-regulate	0.023944701
REG00014	KIF27	GSE109604	0.987278173	knock down	up-regulate	5.25E-20
REG00014	FASN	GSE109604	0.988767275	knock down	up-regulate	6.23E-06
REG00014	OXLD1	GSE109604	0.991422346	knock down	up-regulate	0.020824227
REG00014	HMGCR	GSE109604	0.993665676	knock down	up-regulate	0.003127284
REG00014	GNL3	GSE109604	0.994040951	knock down	up-regulate	6.66E-11
REG00014	CTSW	GSE109604	0.994127764	knock down	up-regulate	0.006246211
REG00014	APOL6	GSE109604	0.995805159	knock down	up-regulate	0.000223997
REG00014	MLEC	GSE109604	0.996042649	knock down	up-regulate	0.000107492
REG00014	ADAMTS1	GSE109604	0.99679917	knock down	up-regulate	0.015274572
REG00014	MACROD1	GSE90639	1.00E+00	.	.	.
REG00014	GALNT1	GSE90639	1.00E+00	.	.	.
REG00014	NUCKS1	GSE109604	1.000421914	knock down	up-regulate	7.98E-06
REG00014	GOLGA7	GSE109604	1.003111979	knock down	up-regulate	0.001260895
REG00014	ZNF695	GSE109604	1.004835929	knock down	up-regulate	0.022117545
REG00014	PILRB	GSE109604	1.005285109	knock down	up-regulate	0.014291277
REG00014	ELP5	GSE109604	1.006723014	knock down	up-regulate	2.78E-05
REG00014	TM4SF1	GSE109604	1.006911592	knock down	up-regulate	0.004325877
REG00014	STAG1	GSE90639	1.01E+00	.	.	.
REG00014	PRELID1	GSE90639	1.01E+00	.	.	.
REG00014	PPIA	GSE90639	1.01E+00	.	.	.
REG00014	RFC3	GSE90639	1.01E+00	.	.	.
REG00014	DUS3L	GSE109604	1.010406658	knock down	up-regulate	2.54E-08
REG00014	NLRP1	GSE109604	1.013102728	knock down	up-regulate	0.001567347
REG00014	RNF44	GSE109604	1.014642233	knock down	up-regulate	0.000220055
REG00014	NUDT17	GSE109604	1.016852434	knock down	up-regulate	0.002599765
REG00014	RPL14	GSE90639	1.02E+00	.	.	.
REG00014	CNBP	GSE90639	1.02E+00	.	.	.

REG00014	NHP2	GSE90639	1.02E+00	.	.	.
REG00014	SF3B6	GSE90639	1.02E+00	.	.	.
REG00014	RAD21	GSE90639	1.02E+00	.	.	.
REG00014	FAM43A	GSE109604	1.02216918	knock down	up-regulate	0.043914397
REG00014	TCTN3	GSE109604	1.022871	knock down	up-regulate	0.000216182
REG00014	TYW1	GSE109604	1.025217005	knock down	up-regulate	0.000540507
REG00014	AADAT	GSE109604	1.028969019	knock down	up-regulate	0.031586918
REG00014	NCAPH	GSE90639	1.03E+00	.	.	.
REG00014	CYCS	GSE90639	1.03E+00	.	.	.
REG00014	VTA1	GSE90639	1.03E+00	.	.	.
REG00014	EIF5	GSE90639	1.03E+00	.	.	.
REG00014	ERH	GSE90639	1.03E+00	.	.	.
REG00014	FUCA2	GSE90639	1.03E+00	.	.	.
REG00014	CENPT	GSE109604	1.031157039	knock down	up-regulate	0.005137671
REG00014	HSD17B4	GSE109604	1.0315011	knock down	up-regulate	0.018546902
REG00014	TTL12	GSE109604	1.032459424	knock down	up-regulate	0.00619861
REG00014	ECD	GSE109604	1.032667606	knock down	up-regulate	0.018178302
REG00014	TEAD4	GSE109604	1.033402671	knock down	up-regulate	0.045398433
REG00014	MTG2	GSE109604	1.033449253	knock down	up-regulate	6.23E-06
REG00014	GNG12	GSE109604	1.036864893	knock down	up-regulate	0.001585661
REG00014	IL17RE	GSE109604	1.036953131	knock down	up-regulate	0.000728907
REG00014	PARVB	GSE109604	1.037312091	knock down	up-regulate	0.01678861
REG00014	GTF3C3	GSE109604	1.038500922	knock down	up-regulate	2.19E-05
REG00014	U2SURP	GSE90639	1.04E+00	.	.	.
REG00014	NCAM1	GSE109604	1.040545046	knock down	up-regulate	0.000469187
REG00014	IL6R	GSE109604	1.041939923	knock down	up-regulate	6.26E-05
REG00014	ARHGAP17	GSE109604	1.046841639	knock down	up-regulate	0.008872035
REG00014	ANKRD10	GSE109604	1.049469114	knock down	up-regulate	0.014487258
REG00014	DHPS	GSE109604	1.049786567	knock down	up-regulate	4.91E-06
REG00014	GCK	GSE109604	1.049924479	knock down	up-regulate	0.000850898
REG00014	TRA2A	GSE90639	1.05E+00	.	.	.
REG00014	TMEM14C	GSE90639	1.05E+00	.	.	.
REG00014	RTCB	GSE90639	1.05E+00	.	.	.
REG00014	CCDC86	GSE90639	1.05E+00	.	.	.
REG00014	HNRNPH1	GSE90639	1.05E+00	.	.	.
REG00014	HSPA4	GSE90639	1.05E+00	.	.	.
REG00014	TERB1	GSE109604	1.051772412	knock down	up-regulate	0.046871797
REG00014	EIF4A2	GSE109604	1.053581816	knock down	up-regulate	0.006721047
REG00014	ATXN7L2	GSE109604	1.057748071	knock down	up-regulate	0.028415561
REG00014	SMN2	GSE90639	1.06E+00	.	.	.
REG00014	GOLIM4	GSE90639	1.06E+00	.	.	.
REG00014	AATF	GSE90639	1.06E+00	.	.	.
REG00014	CSNK1A1	GSE90639	1.06E+00	.	.	.
REG00014	DHFR	GSE90639	1.06E+00	.	.	.
REG00014	EDEM1	GSE109604	1.061977873	knock down	up-regulate	0.02390129
REG00014	ARHGAP39	GSE109604	1.062092987	knock down	up-regulate	0.025689581
REG00014	TYMS	GSE90639	1.07E+00	.	.	.
REG00014	C2orf47	GSE90639	1.07E+00	.	.	.
REG00014	FEM1B	GSE90639	1.07E+00	.	.	.
REG00014	POLR2I	GSE90639	1.07E+00	.	.	.

REG00014	RANBP6	GSE90639	1.07E+00	.	.	.
REG00014	ALKBH2	GSE109604	1.072777213	knock down	up-regulate	3.61E-05
REG00014	ITGA1	GSE109604	1.074493744	knock down	up-regulate	0.000141507
REG00014	JAG1	GSE109604	1.075358368	knock down	up-regulate	0.000284808
REG00014	SIPA1L3	GSE109604	1.076019914	knock down	up-regulate	0.001720506
REG00014	NOL10	GSE90639	1.08E+00	.	.	.
REG00014	FCHSD2	GSE90639	1.08E+00	.	.	.
REG00014	CCBL2	GSE90639	1.08E+00	.	.	.
REG00014	MAT2A	GSE90639	1.08E+00	.	.	.
REG00014	PIGK	GSE90639	1.08E+00	.	.	.
REG00014	HAUS1	GSE109604	1.084909872	knock down	up-regulate	1.35E-30
REG00014	SEMA5A	GSE109604	1.08492239	knock down	up-regulate	0.021192144
REG00014	PIDD1	GSE109604	1.08492239	knock down	up-regulate	0.021192144
REG00014	MET	GSE109604	1.087080243	knock down	up-regulate	0.016075312
REG00014	HLA-C	GSE90639	1.09E+00	.	.	.
REG00014	PRPS1	GSE90639	1.09E+00	.	.	.
REG00014	SEMA6D	GSE109604	1.093362411	knock down	up-regulate	0.015402095
REG00014	MICALL1	GSE109604	1.093785088	knock down	up-regulate	0.001646976
REG00014	NBEAL2	GSE109604	1.093884189	knock down	up-regulate	0.002200572
REG00014	JAM3	GSE109604	1.094627643	knock down	up-regulate	7.73E-39
REG00014	KLHL29	GSE109604	1.099927625	knock down	up-regulate	0.032223454
REG00014	RPS23	GSE90639	1.10E+00	.	.	.
REG00014	C1QBP	GSE90639	1.10E+00	.	.	.
REG00014	VWA8	GSE90639	1.10E+00	.	.	.
REG00014	MCM3	GSE90639	1.10E+00	.	.	.
REG00014	NDUFB6	GSE90639	1.10E+00	.	.	.
REG00014	ALG8	GSE109604	1.101929685	knock down	up-regulate	0.009145916
REG00014	CFTR	GSE109604	1.102491211	knock down	up-regulate	0.005483982
REG00014	TTC32	GSE109604	1.102805733	knock down	up-regulate	0.006442303
REG00014	ARMCX5	GSE109604	1.103516174	knock down	up-regulate	0.000359519
REG00014	NID1	GSE109604	1.106891716	knock down	up-regulate	0.037866945
REG00014	COMMD3	GSE109604	1.107431363	knock down	up-regulate	0.00193006
REG00014	RPL13A	GSE90639	1.11E+00	.	.	.
REG00014	SRM	GSE90639	1.11E+00	.	.	.
REG00014	TOP2B	GSE90639	1.11E+00	.	.	.
REG00014	UCHL1	GSE90639	1.11E+00	.	.	.
REG00014	HIST1H2BF	GSE90639	1.11E+00	.	.	.
REG00014	SPRN	GSE109604	1.111023233	knock down	up-regulate	0.006020464
REG00014	PHC1	GSE109604	1.111554759	knock down	up-regulate	0.008102842
REG00014	PAPPA	GSE109604	1.111655363	knock down	up-regulate	0.036497713
REG00014	CALML4	GSE109604	1.118020973	knock down	up-regulate	0.001094254
REG00014	SMC4	GSE90639	1.12E+00	.	.	.
REG00014	CNOT6	GSE90639	1.12E+00	.	.	.
REG00014	SPEN	GSE90639	1.12E+00	.	.	.
REG00014	MIER3	GSE90639	1.12E+00	.	.	.
REG00014	NACA	GSE90639	1.12E+00	.	.	.
REG00014	PLS3	GSE90639	1.12E+00	.	.	.
REG00014	DKK2	GSE109604	1.122590363	knock down	up-regulate	5.73E-06
REG00014	EBLN2	GSE109604	1.124409719	knock down	up-regulate	0.003183179
REG00014	ATP6V0E1	GSE109604	1.127584824	knock down	up-regulate	4.96E-55

REG00014	SRP14	GSE90639	1.13E+00	.	.	.
REG00014	HSP90B1	GSE90639	1.13E+00	.	.	.
REG00014	DHX29	GSE90639	1.13E+00	.	.	.
REG00014	HMG20B	GSE109604	1.131297183	knock down	up-regulate	0.016260938
REG00014	CDK19	GSE109604	1.133634237	knock down	up-regulate	0.000311776
REG00014	NSG1	GSE109604	1.134191143	knock down	up-regulate	0.025490242
REG00014	EXTL3	GSE109604	1.135484078	knock down	up-regulate	3.31E-07
REG00014	C16orf86	GSE109604	1.135828626	knock down	up-regulate	0.033529887
REG00014	ASGR1	GSE109604	1.136428943	knock down	up-regulate	0.031852687
REG00014	MYL12B	GSE109604	1.137346615	knock down	up-regulate	0.031966432
REG00014	ZNF587B	GSE109604	1.139137375	knock down	up-regulate	0.005521107
REG00014	PRDX6	GSE109604	1.139891109	knock down	up-regulate	6.11E-06
REG00014	NOP14	GSE90639	1.14E+00	.	.	.
REG00014	HMGB1	GSE90639	1.14E+00	.	.	.
REG00014	PPP6C	GSE90639	1.14E+00	.	.	.
REG00014	MTFMT	GSE109604	1.140976681	knock down	up-regulate	0.002702893
REG00014	DECR1	GSE109604	1.143539145	knock down	up-regulate	0.010069331
REG00014	NKRF	GSE109604	1.146040602	knock down	up-regulate	8.65E-05
REG00014	EVC	GSE109604	1.147490766	knock down	up-regulate	0.028496683
REG00014	TFAM	GSE109604	1.147509863	knock down	up-regulate	0.002778972
REG00014	TAF11	GSE90639	1.15E+00	.	.	.
REG00014	APMAP	GSE90639	1.15E+00	.	.	.
REG00014	KIF15	GSE90639	1.15E+00	.	.	.
REG00014	COX7C	GSE90639	1.15E+00	.	.	.
REG00014	HSPA5	GSE90639	1.15E+00	.	.	.
REG00014	CPEB3	GSE109604	1.150140435	knock down	up-regulate	0.000845649
REG00014	TERT	GSE109604	1.150650099	knock down	up-regulate	0.030116861
REG00014	ZNF419	GSE109604	1.153007234	knock down	up-regulate	4.06E-14
REG00014	BLZF1	GSE109604	1.158631563	knock down	up-regulate	6.81E-14
REG00014	SMARCA5	GSE90639	1.16E+00	.	.	.
REG00014	ZIC2	GSE90639	1.16E+00	.	.	.
REG00014	DDX5	GSE90639	1.16E+00	.	.	.
REG00014	CCDC85B	GSE109604	1.164183556	knock down	up-regulate	0.002317374
REG00014	CYP2J2	GSE109604	1.168126521	knock down	up-regulate	0.000204792
REG00014	IRX4	GSE109604	1.169332864	knock down	up-regulate	5.48E-05
REG00014	CBS	GSE90639	1.17E+00	.	.	.
REG00014	C4orf46	GSE90639	1.17E+00	.	.	.
REG00014	ID2	GSE90639	1.17E+00	.	.	.
REG00014	PRDX5	GSE90639	1.17E+00	.	.	.
REG00014	LTBP4	GSE109604	1.172429136	knock down	up-regulate	9.72E-13
REG00014	CD4	GSE109604	1.17740146	knock down	up-regulate	0.046642727
REG00014	MAP2K3	GSE109604	1.1783507	knock down	up-regulate	0.005357939
REG00014	NUDT11	GSE109604	1.178554656	knock down	up-regulate	0.010554161
REG00014	RPL23A	GSE109604	1.179908362	knock down	up-regulate	6.72E-05
REG00014	RPS9	GSE90639	1.18E+00	.	.	.
REG00014	SNRNP70	GSE90639	1.18E+00	.	.	.
REG00014	BIRC6	GSE90639	1.18E+00	.	.	.
REG00014	CCT3	GSE90639	1.18E+00	.	.	.
REG00014	UQCRCQ	GSE90639	1.18E+00	.	.	.
REG00014	EEF1A2	GSE90639	1.18E+00	.	.	.

REG00014	EIF3E	GSE90639	1.18E+00	.	.	.
REG00014	ATPIF1	GSE90639	1.18E+00	.	.	.
REG00014	SLAIN1	GSE109604	1.181549798	knock down	up-regulate	6.47E-06
REG00014	CSNK1E	GSE109604	1.183908373	knock down	up-regulate	0.000341423
REG00014	CYB561A3	GSE109604	1.184590402	knock down	up-regulate	0.000243786
REG00014	JAGN1	GSE109604	1.184890587	knock down	up-regulate	0.000351212
REG00014	GPT	GSE109604	1.187054094	knock down	up-regulate	0.007205648
REG00014	FAM104B	GSE109604	1.187077259	knock down	up-regulate	0.041116167
REG00014	EIF3L	GSE90639	1.19E+00	.	.	.
REG00014	IGF2R	GSE90639	1.19E+00	.	.	.
REG00014	ONECUT2	GSE90639	1.19E+00	.	.	.
REG00014	ZNF304	GSE109604	1.19838701	knock down	up-regulate	1.27E-08
REG00014	CCNA2	GSE90639	1.20E+00	.	.	.
REG00014	TIMM23	GSE90639	1.20E+00	.	.	.
REG00014	TXNRD3	GSE90639	1.20E+00	.	.	.
REG00014	EIF1	GSE90639	1.20E+00	.	.	.
REG00014	H3F3B	GSE90639	1.20E+00	.	.	.
REG00014	PSMC1	GSE90639	1.20E+00	.	.	.
REG00014	SCARF2	GSE109604	1.201737053	knock down	up-regulate	0.005751101
REG00014	PHLDB2	GSE109604	1.204215942	knock down	up-regulate	6.56E-05
REG00014	MAP3K10	GSE109604	1.205460778	knock down	up-regulate	0.021072011
REG00014	RPL37	GSE90639	1.21E+00	.	.	.
REG00014	ACTB	GSE90639	1.21E+00	.	.	.
REG00014	MRPL14	GSE90639	1.21E+00	.	.	.
REG00014	PRPF39	GSE90639	1.21E+00	.	.	.
REG00014	NDUFAF4	GSE90639	1.21E+00	.	.	.
REG00014	OFD1	GSE90639	1.21E+00	.	.	.
REG00014	PTPMT1	GSE90639	1.21E+00	.	.	.
REG00014	HMGN2	GSE90639	1.21E+00	.	.	.
REG00014	UTP15	GSE109604	1.21774469	knock down	up-regulate	0.002647913
REG00014	CAV1	GSE109604	1.218234295	knock down	up-regulate	2.75E-05
REG00014	RAET1E	GSE109604	1.21877406	knock down	up-regulate	0.000435927
REG00014	SLC25A5	GSE90639	1.22E+00	.	.	.
REG00014	TFAM	GSE90639	1.22E+00	.	.	.
REG00014	EIF3M	GSE90639	1.22E+00	.	.	.
REG00014	PRRC2C	GSE90639	1.22E+00	.	.	.
REG00014	PGAP1	GSE90639	1.22E+00	.	.	.
REG00014	HSPD1	GSE90639	1.22E+00	.	.	.
REG00014	JAK2	GSE90639	1.22E+00	.	.	.
REG00014	ATP5G3	GSE90639	1.22E+00	.	.	.
REG00014	UBE2T	GSE109604	1.228862297	knock down	up-regulate	0.00257795
REG00014	KIF13B	GSE109604	1.22892306	knock down	up-regulate	0.004765011
REG00014	MRPL12	GSE90639	1.23E+00	.	.	.
REG00014	C17orf58	GSE90639	1.23E+00	.	.	.
REG00014	GLUD1	GSE90639	1.23E+00	.	.	.
REG00014	MTHFD2	GSE90639	1.23E+00	.	.	.
REG00014	BDH1	GSE109604	1.232403472	knock down	up-regulate	0.003926579
REG00014	FMN2	GSE109604	1.234346643	knock down	up-regulate	6.43E-05
REG00014	MAST2	GSE109604	1.237602985	knock down	up-regulate	0.000817612
REG00014	MIB1	GSE90639	1.24E+00	.	.	.

REG00014	BOLA2	GSE90639	1.24E+00	.	.	.
REG00014	HSF2	GSE90639	1.24E+00	.	.	.
REG00014	GRPR	GSE109604	1.246576546	knock down	up-regulate	2.08E-16
REG00014	TBCA	GSE90639	1.25E+00	.	.	.
REG00014	CLIC4	GSE90639	1.25E+00	.	.	.
REG00014	CAMK1	GSE90639	1.25E+00	.	.	.
REG00014	FAM35A	GSE90639	1.25E+00	.	.	.
REG00014	CAPN15	GSE109604	1.250893257	knock down	up-regulate	0.00274795
REG00014	BBC3	GSE109604	1.256544824	knock down	up-regulate	0.000248386
REG00014	AGO2	GSE109604	1.256838408	knock down	up-regulate	2.20E-05
REG00014	DARS2	GSE109604	1.258852095	knock down	up-regulate	7.54E-06
REG00014	ATG16L2	GSE109604	1.259630392	knock down	up-regulate	7.28E-18
REG00014	SMS	GSE90639	1.26E+00	.	.	.
REG00014	PDIA4	GSE90639	1.26E+00	.	.	.
REG00014	DZIP3	GSE90639	1.26E+00	.	.	.
REG00014	IRAK1	GSE90639	1.26E+00	.	.	.
REG00014	ABI3BP	GSE109604	1.262156526	knock down	up-regulate	0.00134422
REG00014	JPT2	GSE109604	1.262426466	knock down	up-regulate	0.00050354
REG00014	ABHD2	GSE109604	1.265207515	knock down	up-regulate	0.000686673
REG00014	G3BP1	GSE109604	1.267003646	knock down	up-regulate	6.21E-24
REG00014	ST13	GSE90639	1.27E+00	.	.	.
REG00014	TRIT1	GSE90639	1.27E+00	.	.	.
REG00014	HIST2H2BF	GSE90639	1.27E+00	.	.	.
REG00014	CWC22	GSE90639	1.27E+00	.	.	.
REG00014	MPG	GSE109604	1.278096933	knock down	up-regulate	0.001779927
REG00014	TANK	GSE109604	1.278590737	knock down	up-regulate	0.001651521
REG00014	CCT8	GSE90639	1.28E+00	.	.	.
REG00014	LARP1	GSE90639	1.28E+00	.	.	.
REG00014	SMIM32	GSE109604	1.281813887	knock down	up-regulate	6.95E-05
REG00014	TBCD	GSE109604	1.282248681	knock down	up-regulate	0.002499143
REG00014	NUPR1	GSE109604	1.282299305	knock down	up-regulate	5.50E-05
REG00014	CSPG4	GSE109604	1.284479941	knock down	up-regulate	0.049038707
REG00014	RPS27A	GSE90639	1.29E+00	.	.	.
REG00014	XRCC5	GSE90639	1.29E+00	.	.	.
REG00014	HNRNPD	GSE90639	1.29E+00	.	.	.
REG00014	CYBRD1	GSE109604	1.293921203	knock down	up-regulate	0.000153485
REG00014	NUTM2D	GSE109604	1.293939954	knock down	up-regulate	0.005262481
REG00014	ACBD3	GSE109604	1.295735403	knock down	up-regulate	0.003997804
REG00014	CHEK1	GSE109604	1.296530112	knock down	up-regulate	0.019732652
REG00014	RPLP2	GSE90639	1.30E+00	.	.	.
REG00014	GHITM	GSE90639	1.30E+00	.	.	.
REG00014	CMAS	GSE90639	1.30E+00	.	.	.
REG00014	HNRNPA3	GSE90639	1.30E+00	.	.	.
REG00014	DGUOK	GSE90639	1.30E+00	.	.	.
REG00014	JTB	GSE90639	1.30E+00	.	.	.
REG00014	NDUFV2	GSE90639	1.30E+00	.	.	.
REG00014	ABHD17A	GSE109604	1.302750814	knock down	up-regulate	0.000140051
REG00014	C1QBP	GSE109604	1.307611014	knock down	up-regulate	4.66E-05
REG00014	CHCHD10	GSE90639	1.31E+00	.	.	.
REG00014	DCP2	GSE90639	1.31E+00	.	.	.

REG00014	PGLS	GSE90639	1.31E+00	.	.	.
REG00014	RAD23B	GSE90639	1.31E+00	.	.	.
REG00014	PRIM2	GSE109604	1.318224262	knock down	up-regulate	0.000473288
REG00014	RPS13	GSE90639	1.32E+00	.	.	.
REG00014	SNRPD2	GSE90639	1.32E+00	.	.	.
REG00014	SRP72	GSE90639	1.32E+00	.	.	.
REG00014	SMC2	GSE90639	1.32E+00	.	.	.
REG00014	CLTC	GSE90639	1.32E+00	.	.	.
REG00014	CEBPZ	GSE90639	1.32E+00	.	.	.
REG00014	LGI3	GSE109604	1.320399106	knock down	up-regulate	0.027548756
REG00014	GPRASP2	GSE109604	1.325562538	knock down	up-regulate	9.78E-22
REG00014	ARMC6	GSE109604	1.327130239	knock down	up-regulate	7.77E-08
REG00014	FBLN7	GSE109604	1.331412411	knock down	up-regulate	1.72E-12
REG00014	YIPF1	GSE109604	1.33425615	knock down	up-regulate	6.50E-15
REG00014	HSD17B11	GSE109604	1.335268136	knock down	up-regulate	1.50E-05
REG00014	RFT1	GSE109604	1.339618748	knock down	up-regulate	0.026280454
REG00014	DDX21	GSE90639	1.34E+00	.	.	.
REG00014	LRRC40	GSE109604	1.343354814	knock down	up-regulate	7.88E-05
REG00014	RPL9	GSE90639	1.35E+00	.	.	.
REG00014	GOPC	GSE90639	1.35E+00	.	.	.
REG00014	DDX50	GSE90639	1.35E+00	.	.	.
REG00014	DNAAF2	GSE109604	1.350187946	knock down	up-regulate	0.002166931
REG00014	ZNF185	GSE109604	1.351254368	knock down	up-regulate	0.042657928
REG00014	ADORA1	GSE109604	1.351870857	knock down	up-regulate	0.003750386
REG00014	DAB2IP	GSE109604	1.358251378	knock down	up-regulate	0.001487598
REG00014	RPL35A	GSE90639	1.36E+00	.	.	.
REG00014	RPL36	GSE90639	1.36E+00	.	.	.
REG00014	TPM1	GSE109604	1.361749918	knock down	up-regulate	0.000409488
REG00014	TGFBR3L	GSE109604	1.362598955	knock down	up-regulate	0.001814935
REG00014	CYB5D2	GSE109604	1.368932836	knock down	up-regulate	0.000404584
REG00014	PSPC1	GSE90639	1.37E+00	.	.	.
REG00014	TOMM20	GSE90639	1.37E+00	.	.	.
REG00014	C9orf40	GSE90639	1.37E+00	.	.	.
REG00014	HMGB2	GSE90639	1.37E+00	.	.	.
REG00014	ZW10	GSE109604	1.371094986	knock down	up-regulate	0.006753127
REG00014	CKAP5	GSE109604	1.372721557	knock down	up-regulate	0.001086454
REG00014	LRFN4	GSE109604	1.378756817	knock down	up-regulate	0.016309087
REG00014	SMC1A	GSE90639	1.38E+00	.	.	.
REG00014	NDUFB3	GSE90639	1.38E+00	.	.	.
REG00014	GTF2B	GSE109604	1.3800664	knock down	up-regulate	0.049126929
REG00014	DCST1	GSE109604	1.380253368	knock down	up-regulate	5.89E-05
REG00014	FAM118B	GSE109604	1.384284966	knock down	up-regulate	0.022322802
REG00014	ARMC7	GSE109604	1.387282923	knock down	up-regulate	0.001503932
REG00014	SLK	GSE90639	1.39E+00	.	.	.
REG00014	MORF4L2	GSE90639	1.39E+00	.	.	.
REG00014	USP41	GSE90639	1.39E+00	.	.	.
REG00014	MAP3K2	GSE90639	1.39E+00	.	.	.
REG00014	PGK1	GSE90639	1.39E+00	.	.	.
REG00014	RAD54L	GSE90639	1.39E+00	.	.	.
REG00014	LYSMD2	GSE109604	1.393901639	knock down	up-regulate	7.46E-06

REG00014	ERBB2	GSE109604	1.395071798	knock down	up-regulate	0.030066939
REG00014	TCP1	GSE90639	1.40E+00	.	.	.
REG00014	HNRNPH3	GSE90639	1.40E+00	.	.	.
REG00014	HMG2	GSE109604	1.401839056	knock down	up-regulate	0.023952104
REG00014	TREX1	GSE109604	1.407720461	knock down	up-regulate	0.031557619
REG00014	MRPL15	GSE90639	1.41E+00	.	.	.
REG00014	ANKRD10	GSE90639	1.41E+00	.	.	.
REG00014	PARN	GSE109604	1.411161831	knock down	up-regulate	0.009199013
REG00014	JRKL	GSE109604	1.412131033	knock down	up-regulate	4.91E-05
REG00014	DECR2	GSE109604	1.414706061	knock down	up-regulate	0.000162948
REG00014	EPN1	GSE109604	1.417649267	knock down	up-regulate	0.013802901
REG00014	NUP35	GSE109604	1.419517622	knock down	up-regulate	0.002987144
REG00014	ZDHHC2	GSE90639	1.42E+00	.	.	.
REG00014	CUL1	GSE90639	1.42E+00	.	.	.
REG00014	IARS2	GSE90639	1.42E+00	.	.	.
REG00014	GARS	GSE90639	1.42E+00	.	.	.
REG00014	KRTAP4-7	GSE109604	1.420342017	knock down	up-regulate	5.21E-08
REG00014	CKMT1B	GSE109604	1.422110805	knock down	up-regulate	0.000257639
REG00014	PDLIM1	GSE109604	1.423507087	knock down	up-regulate	0.000170379
REG00014	CUTC	GSE109604	1.42399778	knock down	up-regulate	0.000122215
REG00014	ITPRIP	GSE109604	1.424354573	knock down	up-regulate	1.34E-05
REG00014	LPCAT4	GSE109604	1.4268711	knock down	up-regulate	0.003106614
REG00014	RPL28	GSE90639	1.43E+00	.	.	.
REG00014	RPS8	GSE90639	1.43E+00	.	.	.
REG00014	MRPL53	GSE90639	1.43E+00	.	.	.
REG00014	GSPT1	GSE90639	1.43E+00	.	.	.
REG00014	RHOA	GSE90639	1.43E+00	.	.	.
REG00014	BPNT1	GSE109604	1.431604078	knock down	up-regulate	0.001326877
REG00014	CHD1L	GSE109604	1.433150695	knock down	up-regulate	0.011647905
REG00014	MTLN	GSE109604	1.433206713	knock down	up-regulate	0.007010891
REG00014	KLF2	GSE109604	1.437121902	knock down	up-regulate	1.09E-36
REG00014	ALYREF	GSE90639	1.44E+00	.	.	.
REG00014	MTDH	GSE90639	1.44E+00	.	.	.
REG00014	NUP153	GSE90639	1.44E+00	.	.	.
REG00014	ANKMY1	GSE109604	1.448991436	knock down	up-regulate	0.000621721
REG00014	ANP32B	GSE90639	1.45E+00	.	.	.
REG00014	HNRNPC	GSE90639	1.45E+00	.	.	.
REG00014	CYB561	GSE109604	1.455849986	knock down	up-regulate	8.49E-05
REG00014	RPL15	GSE90639	1.46E+00	.	.	.
REG00014	RPL17	GSE90639	1.46E+00	.	.	.
REG00014	CEP290	GSE90639	1.46E+00	.	.	.
REG00014	G3BP1	GSE90639	1.46E+00	.	.	.
REG00014	ITM2B	GSE90639	1.46E+00	.	.	.
REG00014	SF3B1	GSE90639	1.47E+00	.	.	.
REG00014	DICER1	GSE90639	1.47E+00	.	.	.
REG00014	DCXR	GSE90639	1.47E+00	.	.	.
REG00014	NDUFB10	GSE90639	1.47E+00	.	.	.
REG00014	CYC1	GSE109604	1.470977134	knock down	up-regulate	0.011754072
REG00014	ASPCR1	GSE109604	1.473824342	knock down	up-regulate	0.000128461
REG00014	CGB8	GSE109604	1.479188329	knock down	up-regulate	0.012660772

REG00014	CDT1	GSE90639	1.48E+00	.	.	.
REG00014	DNAJA1	GSE90639	1.48E+00	.	.	.
REG00014	TWIST2	GSE109604	1.483366438	knock down	up-regulate	0.000949506
REG00014	NOP56	GSE90639	1.49E+00	.	.	.
REG00014	CCNG1	GSE90639	1.49E+00	.	.	.
REG00014	TGS1	GSE90639	1.49E+00	.	.	.
REG00014	BOD1	GSE90639	1.49E+00	.	.	.
REG00014	C10orf88	GSE90639	1.49E+00	.	.	.
REG00014	GPX4	GSE90639	1.49E+00	.	.	.
REG00014	HNRNPU	GSE90639	1.49E+00	.	.	.
REG00014	TOP3B	GSE90639	1.50E+00	.	.	.
REG00014	IMPDH2	GSE90639	1.50E+00	.	.	.
REG00014	NDUFA1	GSE90639	1.50E+00	.	.	.
REG00014	C12orf57	GSE109604	1.500273598	knock down	up-regulate	0.007526428
REG00014	ARF1	GSE109604	1.512438811	knock down	up-regulate	5.38E-05
REG00014	ARRB2	GSE109604	1.518006719	knock down	up-regulate	4.98E-06
REG00014	PLXNA2	GSE109604	1.519355378	knock down	up-regulate	1.68E-05
REG00014	UBC	GSE90639	1.52E+00	.	.	.
REG00014	MZT1	GSE90639	1.52E+00	.	.	.
REG00014	UBE2K	GSE90639	1.52E+00	.	.	.
REG00014	RAP2A	GSE90639	1.52E+00	.	.	.
REG00014	ACCS	GSE109604	1.522259725	knock down	up-regulate	0.004855921
REG00014	CCNB1	GSE109604	1.526725875	knock down	up-regulate	0.001274949
REG00014	RPL11	GSE90639	1.53E+00	.	.	.
REG00014	KDELRL2	GSE90639	1.53E+00	.	.	.
REG00014	ZFYVE28	GSE109604	1.53067887	knock down	up-regulate	0.003243512
REG00014	CDKN2C	GSE109604	1.535885574	knock down	up-regulate	0.003534637
REG00014	PTMA	GSE90639	1.54E+00	.	.	.
REG00014	DNHD1	GSE109604	1.543776163	knock down	up-regulate	0.002362511
REG00014	HHIP	GSE109604	1.544254907	knock down	up-regulate	5.66E-98
REG00014	DLGAP5	GSE90639	1.55E+00	.	.	.
REG00014	EIF4G2	GSE90639	1.55E+00	.	.	.
REG00014	ZC3H3	GSE109604	1.555309499	knock down	up-regulate	0.044287714
REG00014	RPN2	GSE90639	1.56E+00	.	.	.
REG00014	BRD2	GSE90639	1.56E+00	.	.	.
REG00014	PIEZO1	GSE109604	1.569561262	knock down	up-regulate	4.26E-07
REG00014	POLR3H	GSE109604	1.569561263	knock down	up-regulate	4.26E-07
REG00014	TMEM57	GSE90639	1.57E+00	.	.	.
REG00014	EID2	GSE90639	1.57E+00	.	.	.
REG00014	UXT	GSE90639	1.58E+00	.	.	.
REG00014	EEF1B2	GSE90639	1.58E+00	.	.	.
REG00014	CCT6A	GSE90639	1.59E+00	.	.	.
REG00014	BCAS2	GSE90639	1.60E+00	.	.	.
REG00014	GALNT6	GSE109604	1.60401905	knock down	up-regulate	9.27E-07
REG00014	CDK5R1	GSE109604	1.607766911	knock down	up-regulate	0.001491187
REG00014	ZNF460	GSE90639	1.61E+00	.	.	.
REG00014	GPR171	GSE90639	1.61E+00	.	.	.
REG00014	TXNDC5	GSE109604	1.618895111	knock down	up-regulate	0.000161898
REG00014	RPS24	GSE90639	1.62E+00	.	.	.
REG00014	KHDRBS1	GSE90639	1.62E+00	.	.	.

REG00014	AHCTF1	GSE90639	1.62E+00	.	.	.
REG00014	EIF4A1	GSE90639	1.62E+00	.	.	.
REG00014	EPRS	GSE90639	1.62E+00	.	.	.
REG00014	HSPA8	GSE90639	1.62E+00	.	.	.
REG00014	HTATSF1	GSE90639	1.62E+00	.	.	.
REG00014	MAZ	GSE90639	1.62E+00	.	.	.
REG00014	ATIC	GSE90639	1.62E+00	.	.	.
REG00014	SHISAL2A	GSE109604	1.626367454	knock down	up-regulate	1.02E-05
REG00014	SRSF2	GSE90639	1.63E+00	.	.	.
REG00014	EIF4B	GSE90639	1.63E+00	.	.	.
REG00014	DCUN1D3	GSE109604	1.63971627	knock down	up-regulate	1.78E-06
REG00014	UQCR10	GSE90639	1.64E+00	.	.	.
REG00014	API5	GSE90639	1.64E+00	.	.	.
REG00014	PMAIP1	GSE90639	1.64E+00	.	.	.
REG00014	ASTN2	GSE109604	1.64103356	knock down	up-regulate	0.016384301
REG00014	DCBLD2	GSE109604	1.647683456	knock down	up-regulate	3.99E-05
REG00014	NUDT4P1	GSE90639	1.65E+00	.	.	.
REG00014	SMC3	GSE90639	1.65E+00	.	.	.
REG00014	RAN	GSE90639	1.65E+00	.	.	.
REG00014	FAM104A	GSE109604	1.652326517	knock down	up-regulate	0.04938769
REG00014	RMC1	GSE109604	1.659153086	knock down	up-regulate	5.40E-06
REG00014	RPL34	GSE90639	1.66E+00	.	.	.
REG00014	RPL41	GSE90639	1.66E+00	.	.	.
REG00014	PRPF40A	GSE90639	1.66E+00	.	.	.
REG00014	EIF4A2	GSE90639	1.66E+00	.	.	.
REG00014	PLEKHG5	GSE109604	1.668342965	knock down	up-regulate	0.047014134
REG00014	DDX39B	GSE90639	1.67E+00	.	.	.
REG00014	COX5A	GSE90639	1.67E+00	.	.	.
REG00014	SASS6	GSE90639	1.67E+00	.	.	.
REG00014	CHAC1	GSE90639	1.67E+00	.	.	.
REG00014	TMEM151B	GSE109604	1.676485379	knock down	up-regulate	0.000383563
REG00014	CDCA2	GSE90639	1.68E+00	.	.	.
REG00014	PDCD5	GSE90639	1.68E+00	.	.	.
REG00014	GTF2H3	GSE109604	1.686425663	knock down	up-regulate	1.23E-20
REG00014	LYRM9	GSE109604	1.687699664	knock down	up-regulate	0.000116399
REG00014	VIM	GSE109604	1.688559451	knock down	up-regulate	0.006823533
REG00014	RPS12	GSE90639	1.69E+00	.	.	.
REG00014	SRSF3	GSE90639	1.69E+00	.	.	.
REG00014	EID1	GSE90639	1.69E+00	.	.	.
REG00014	C14orf166	GSE90639	1.69E+00	.	.	.
REG00014	ARL6IP1	GSE90639	1.69E+00	.	.	.
REG00014	ATP5L	GSE90639	1.70E+00	.	.	.
REG00014	CCNH	GSE90639	1.70E+00	.	.	.
REG00014	PGRMC1	GSE90639	1.70E+00	.	.	.
REG00014	ZNF695	GSE90639	1.70E+00	.	.	.
REG00014	EML1	GSE109604	1.701899463	knock down	up-regulate	0.000136794
REG00014	USP35	GSE109604	1.716664052	knock down	up-regulate	0.001471305
REG00014	ASPM	GSE90639	1.72E+00	.	.	.
REG00014	HIST3H2A	GSE90639	1.72E+00	.	.	.
REG00014	PNISR	GSE90639	1.72E+00	.	.	.

REG00014	FOXF1	GSE109604	1.726970952	knock down	up-regulate	0.01334093
REG00014	RPL3	GSE90639	1.73E+00	.	.	.
REG00014	NBAS	GSE90639	1.73E+00	.	.	.
REG00014	CSE1L	GSE90639	1.73E+00	.	.	.
REG00014	EIF3A	GSE90639	1.73E+00	.	.	.
REG00014	NNT	GSE90639	1.73E+00	.	.	.
REG00014	LAT2	GSE109604	1.734219742	knock down	up-regulate	0.012086562
REG00014	WIP1	GSE109604	1.734474473	knock down	up-regulate	3.49E-26
REG00014	ATXN10	GSE90639	1.74E+00	.	.	.
REG00014	GNB2L1	GSE90639	1.74E+00	.	.	.
REG00014	MARF1	GSE109604	1.741021306	knock down	up-regulate	0.018267602
REG00014	TMEM116	GSE109604	1.746178371	knock down	up-regulate	0.000114915
REG00014	TCF12	GSE109604	1.748379041	knock down	up-regulate	0.000816922
REG00014	RPS5	GSE90639	1.75E+00	.	.	.
REG00014	MAP2	GSE109604	1.7520519	knock down	up-regulate	0.005912203
REG00014	CHCHD2	GSE90639	1.76E+00	.	.	.
REG00014	DCUN1D5	GSE90639	1.76E+00	.	.	.
REG00014	MYH10	GSE90639	1.76E+00	.	.	.
REG00014	KSR1	GSE109604	1.761450576	knock down	up-regulate	5.20E-11
REG00014	ATP2A1	GSE109604	1.764812615	knock down	up-regulate	5.44E-54
REG00014	STOML2	GSE90639	1.77E+00	.	.	.
REG00014	GLO1	GSE90639	1.77E+00	.	.	.
REG00014	OAZ1	GSE90639	1.77E+00	.	.	.
REG00014	RPL38	GSE90639	1.78E+00	.	.	.
REG00014	RPLP0	GSE90639	1.78E+00	.	.	.
REG00014	RPS14	GSE90639	1.78E+00	.	.	.
REG00014	ZNF703	GSE90639	1.78E+00	.	.	.
REG00014	CTDSPL	GSE109604	1.782781368	knock down	up-regulate	0.000300771
REG00014	VPS51	GSE109604	1.786664505	knock down	up-regulate	3.18E-15
REG00014	HIST2H2AB	GSE90639	1.80E+00	.	.	.
REG00014	AHCYL1	GSE109604	1.809054814	knock down	up-regulate	0.004163122
REG00014	LUC7L3	GSE90639	1.81E+00	.	.	.
REG00014	NDUFA8	GSE90639	1.81E+00	.	.	.
REG00014	CENPH	GSE109604	1.81326509	knock down	up-regulate	0.002543602
REG00014	SCML1	GSE90639	1.82E+00	.	.	.
REG00014	NT5DC2	GSE109604	1.822554452	knock down	up-regulate	0.000153828
REG00014	FOSB	GSE109604	1.829480094	knock down	up-regulate	0.000800755
REG00014	RPL27A	GSE90639	1.84E+00	.	.	.
REG00014	SNRPB	GSE90639	1.84E+00	.	.	.
REG00014	ATP11C	GSE90639	1.84E+00	.	.	.
REG00014	HSD11B1L	GSE109604	1.842461503	knock down	up-regulate	0.009989548
REG00014	DAD1	GSE90639	1.85E+00	.	.	.
REG00014	ZFPM1	GSE109604	1.851145936	knock down	up-regulate	0.005926608
REG00014	H2BC13	GSE109604	1.857007624	knock down	up-regulate	0.000161415
REG00014	SFPQ	GSE90639	1.86E+00	.	.	.
REG00014	PPIH	GSE90639	1.86E+00	.	.	.
REG00014	TMEM141	GSE90639	1.86E+00	.	.	.
REG00014	NUP107	GSE90639	1.86E+00	.	.	.
REG00014	SOCS3	GSE109604	1.864898024	knock down	up-regulate	0.032287703
REG00014	EP400	GSE109604	1.866606995	knock down	up-regulate	0.005348487

REG00014	STUB1	GSE90639	1.87E+00	.	.	.
REG00014	MRPL47	GSE90639	1.87E+00	.	.	.
REG00014	CPE	GSE90639	1.87E+00	.	.	.
REG00014	ARHGAP42	GSE90639	1.87E+00	.	.	.
REG00014	TEPP	GSE109604	1.876785336	knock down	up-regulate	0.006268115
REG00014	RPS3A	GSE90639	1.88E+00	.	.	.
REG00014	TPX2	GSE90639	1.88E+00	.	.	.
REG00014	DKK1	GSE109604	1.88384898	knock down	up-regulate	7.27E-21
REG00014	EXOC3L4	GSE109604	1.889552894	knock down	up-regulate	0.028166723
REG00014	RPL24	GSE90639	1.89E+00	.	.	.
REG00014	SACS	GSE90639	1.89E+00	.	.	.
REG00014	NFIL3	GSE109604	1.890854585	knock down	up-regulate	5.86E-06
REG00014	MXD3	GSE109604	1.894538535	knock down	up-regulate	0.000501373
REG00014	TUBB	GSE90639	1.90E+00	.	.	.
REG00014	H2AFX	GSE90639	1.90E+00	.	.	.
REG00014	DTL	GSE90639	1.91E+00	.	.	.
REG00014	ADAM11	GSE109604	1.91018896	knock down	up-regulate	0.001095024
REG00014	PCNP	GSE90639	1.92E+00	.	.	.
REG00014	NKPD1	GSE109604	1.926935801	knock down	up-regulate	4.64E-06
REG00014	DCAKD	GSE109604	1.928350689	knock down	up-regulate	1.32E-15
REG00014	RPL31	GSE90639	1.93E+00	.	.	.
REG00014	CASD1	GSE90639	1.93E+00	.	.	.
REG00014	MCM6	GSE90639	1.93E+00	.	.	.
REG00014	BTN1A1	GSE109604	1.935042521	knock down	up-regulate	1.25E-07
REG00014	RPL30	GSE90639	1.94E+00	.	.	.
REG00014	UBE2T	GSE90639	1.94E+00	.	.	.
REG00014	HIST1H2AG	GSE90639	1.94E+00	.	.	.
REG00014	RPSA	GSE90639	1.94E+00	.	.	.
REG00014	PABPC1	GSE90639	1.94E+00	.	.	.
REG00014	WDR19	GSE109604	1.942280724	knock down	up-regulate	3.39E-34
REG00014	LMO4	GSE109604	1.950327422	knock down	up-regulate	0.013181198
REG00014	RPL23	GSE90639	1.96E+00	.	.	.
REG00014	RPL35	GSE90639	1.96E+00	.	.	.
REG00014	SERBP1	GSE90639	1.96E+00	.	.	.
REG00014	ATG5	GSE90639	1.96E+00	.	.	.
REG00014	FBXW11	GSE109604	1.964821142	knock down	up-regulate	9.07E-07
REG00014	SDAD1	GSE90639	1.97E+00	.	.	.
REG00014	MRFAP1L1	GSE90639	1.97E+00	.	.	.
REG00014	BCLAF1	GSE90639	1.98E+00	.	.	.
REG00014	RPL32	GSE90639	1.99E+00	.	.	.
REG00014	ESD	GSE90639	1.99E+00	.	.	.
REG00014	HMGNI	GSE90639	2.00E+00	.	.	.
REG00014	MAPRE1	GSE90639	2.00E+00	.	.	.
REG00014	RFX3	GSE90639	2.00E+00	.	.	.
REG00014	MTX2	GSE90639	2.01E+00	.	.	.
REG00014	AHI1	GSE109604	2.010137078	knock down	up-regulate	0.000941419
REG00014	INPP5B	GSE109604	2.0167438	knock down	up-regulate	1.64E-05
REG00014	KLK1	GSE109604	2.023343656	knock down	up-regulate	6.03E-17
REG00014	CD2AP	GSE90639	2.03E+00	.	.	.
REG00014	JAK1	GSE109604	2.039534019	knock down	up-regulate	2.24E-06

REG00014	RPS20	GSE90639	2.05E+00	.	.	.
REG00014	RPL23A	GSE90639	2.06E+00	.	.	.
REG00014	SRSF1	GSE90639	2.06E+00	.	.	.
REG00014	NOP58	GSE90639	2.06E+00	.	.	.
REG00014	EEF1A1	GSE90639	2.06E+00	.	.	.
REG00014	RPS4X	GSE90639	2.07E+00	.	.	.
REG00014	UBA52	GSE90639	2.08E+00	.	.	.
REG00014	ACOX1	GSE109604	2.084655308	knock down	up-regulate	0.000698058
REG00014	RPS27	GSE90639	2.09E+00	.	.	.
REG00014	RPS6	GSE90639	2.09E+00	.	.	.
REG00014	SNRPC	GSE90639	2.09E+00	.	.	.
REG00014	SSB	GSE90639	2.09E+00	.	.	.
REG00014	XRN2	GSE90639	2.09E+00	.	.	.
REG00014	NUCKS1	GSE90639	2.09E+00	.	.	.
REG00014	HIST1H2AC	GSE90639	2.09E+00	.	.	.
REG00014	TOP1MT	GSE109604	2.095251865	knock down	up-regulate	5.80E-12
REG00014	TOP1	GSE90639	2.10E+00	.	.	.
REG00014	MRPS9	GSE90639	2.11E+00	.	.	.
REG00014	H1FX	GSE90639	2.11E+00	.	.	.
REG00014	NAA80	GSE109604	2.116423573	knock down	up-regulate	3.13E-05
REG00014	RPL12	GSE90639	2.12E+00	.	.	.
REG00014	RPS17	GSE90639	2.13E+00	.	.	.
REG00014	RPL22L1	GSE90639	2.13E+00	.	.	.
REG00014	IL6ST	GSE90639	2.13E+00	.	.	.
REG00014	EXD3	GSE109604	2.136019652	knock down	up-regulate	0.013066533
REG00014	SLC18B1	GSE90639	2.14E+00	.	.	.
REG00014	KIAA0319L	GSE109604	2.149960884	knock down	up-regulate	4.52E-06
REG00014	RPS21	GSE90639	2.15E+00	.	.	.
REG00014	RPS28	GSE90639	2.15E+00	.	.	.
REG00014	SNRPE	GSE90639	2.15E+00	.	.	.
REG00014	MYBL2	GSE90639	2.15E+00	.	.	.
REG00014	MRPL22	GSE90639	2.16E+00	.	.	.
REG00014	HNRNPK	GSE90639	2.16E+00	.	.	.
REG00014	TRAPPC14	GSE109604	2.163153808	knock down	up-regulate	0.005766234
REG00014	CCT7	GSE90639	2.17E+00	.	.	.
REG00014	GOLT1B	GSE90639	2.17E+00	.	.	.
REG00014	NDUFB11	GSE90639	2.17E+00	.	.	.
REG00014	HNRNPA1L2	GSE109604	2.170444613	knock down	up-regulate	0.030555775
REG00014	STYXL1	GSE90639	2.18E+00	.	.	.
REG00014	GAPDH	GSE90639	2.19E+00	.	.	.
REG00014	HNRNPDL	GSE90639	2.19E+00	.	.	.
REG00014	TRABD	GSE109604	2.19115356	knock down	up-regulate	5.06E-05
REG00014	LRRC29	GSE109604	2.197783792	knock down	up-regulate	0.008554932
REG00014	NONO	GSE90639	2.20E+00	.	.	.
REG00014	ARVCF	GSE109604	2.204553131	knock down	up-regulate	0.027139713
REG00014	RPS3	GSE90639	2.21E+00	.	.	.
REG00014	DUT	GSE90639	2.21E+00	.	.	.
REG00014	RANBP2	GSE90639	2.21E+00	.	.	.
REG00014	CYP27B1	GSE109604	2.214193558	knock down	up-regulate	6.27E-05
REG00014	RPS19	GSE90639	2.22E+00	.	.	.

REG00014	YTHDC1	GSE109604	2.220285147	knock down	up-regulate	5.79E-08
REG00014	ENO1	GSE90639	2.23E+00	.	.	.
REG00014	H2BFS	GSE90639	2.23E+00	.	.	.
REG00014	ATE1	GSE90639	2.23E+00	.	.	.
REG00014	NPM1	GSE90639	2.23E+00	.	.	.
REG00014	HES4	GSE90639	2.24E+00	.	.	.
REG00014	RPS11	GSE90639	2.25E+00	.	.	.
REG00014	NAT8L	GSE109604	2.255443936	knock down	up-regulate	0.000112925
REG00014	RPL27	GSE90639	2.26E+00	.	.	.
REG00014	PCNA	GSE90639	2.26E+00	.	.	.
REG00014	SH2D6	GSE109604	2.265848591	knock down	up-regulate	4.15E-05
REG00014	RPL10	GSE90639	2.27E+00	.	.	.
REG00014	RPL7	GSE90639	2.27E+00	.	.	.
REG00014	RPLP1	GSE90639	2.27E+00	.	.	.
REG00014	COX7A2	GSE90639	2.27E+00	.	.	.
REG00014	ZYX	GSE109604	2.270450169	knock down	up-regulate	0.005786486
REG00014	DCLRE1A	GSE109604	2.279281339	knock down	up-regulate	2.52E-11
REG00014	RPL36AL	GSE90639	2.28E+00	.	.	.
REG00014	RPS7	GSE90639	2.28E+00	.	.	.
REG00014	WLS	GSE109604	2.291346286	knock down	up-regulate	1.90E-30
REG00014	WDR70	GSE109604	2.297881295	knock down	up-regulate	1.23E-06
REG00014	RPL39	GSE90639	2.30E+00	.	.	.
REG00014	RAD51AP1	GSE90639	2.30E+00	.	.	.
REG00014	CCNB1	GSE90639	2.31E+00	.	.	.
REG00014	HAGHL	GSE109604	2.31389199	knock down	up-regulate	0.027143278
REG00014	TOP2A	GSE90639	2.33E+00	.	.	.
REG00014	AGTPBP1	GSE90639	2.33E+00	.	.	.
REG00014	NBN	GSE90639	2.33E+00	.	.	.
REG00014	TRPS1	GSE109604	2.343144199	knock down	up-regulate	0.000292628
REG00014	RPL18	GSE90639	2.35E+00	.	.	.
REG00014	SSRP1	GSE90639	2.35E+00	.	.	.
REG00014	CDK1	GSE90639	2.36E+00	.	.	.
REG00014	NCL	GSE90639	2.36E+00	.	.	.
REG00014	TTC37	GSE90639	2.37E+00	.	.	.
REG00014	ATP5B	GSE90639	2.37E+00	.	.	.
REG00014	DEK	GSE90639	2.38E+00	.	.	.
REG00014	MRPS26	GSE90639	2.40E+00	.	.	.
REG00014	EIF4EBP1	GSE90639	2.41E+00	.	.	.
REG00014	MEGF8	GSE109604	2.419522586	knock down	up-regulate	0.000499123
REG00014	RPL19	GSE90639	2.42E+00	.	.	.
REG00014	FAU	GSE90639	2.42E+00	.	.	.
REG00014	KPNA1	GSE109604	2.429340907	knock down	up-regulate	5.59E-05
REG00014	RPL5	GSE90639	2.43E+00	.	.	.
REG00014	DARS2	GSE90639	2.43E+00	.	.	.
REG00014	HIST1H3F	GSE90639	2.43E+00	.	.	.
REG00014	PARD3	GSE109604	2.436804767	knock down	up-regulate	0.029694477
REG00014	RPS16	GSE90639	2.45E+00	.	.	.
REG00014	CD70	GSE109604	2.45487341	knock down	up-regulate	0.000125926
REG00014	TP53I13	GSE109604	2.459658665	knock down	up-regulate	0.00016128
REG00014	RPL7A	GSE90639	2.46E+00	.	.	.

REG00014	RPS10	GSE90639	2.46E+00	.	.	.
REG00014	AIMP1	GSE90639	2.46E+00	.	.	.
REG00014	SPN	GSE109604	2.465696376	knock down	up-regulate	0.00042247
REG00014	HIST2H2AA3	GSE90639	2.48E+00	.	.	.
REG00014	BOD1	GSE109604	2.480894729	knock down	up-regulate	2.50E-36
REG00014	TIGD1	GSE109604	2.489940154	knock down	up-regulate	0.000130192
REG00014	RPL4	GSE90639	2.49E+00	.	.	.
REG00014	ACTG1	GSE90639	2.49E+00	.	.	.
REG00014	HNRNPA1	GSE90639	2.49E+00	.	.	.
REG00014	COPG2	GSE90639	2.51E+00	.	.	.
REG00014	TRIM6	GSE109604	2.518811526	knock down	up-regulate	0.000270183
REG00014	HIST2H4B	GSE90639	2.52E+00	.	.	.
REG00014	PPT1	GSE90639	2.54E+00	.	.	.
REG00014	ATF3	GSE109604	2.541472016	knock down	up-regulate	4.93E-05
REG00014	RPL10A	GSE90639	2.55E+00	.	.	.
REG00014	HEATR5B	GSE109604	2.561037198	knock down	up-regulate	0.011655421
REG00014	RPS18	GSE90639	2.57E+00	.	.	.
REG00014	CDKN2AIP	GSE90639	2.57E+00	.	.	.
REG00014	EPS8	GSE109604	2.583813681	knock down	up-regulate	0.005829074
REG00014	MAP1S	GSE109604	2.592036295	knock down	up-regulate	0.00118948
REG00014	CKB	GSE90639	2.60E+00	.	.	.
REG00014	HIST1H2AM	GSE90639	2.60E+00	.	.	.
REG00014	ZNF385D	GSE109604	2.618662645	knock down	up-regulate	0.000807621
REG00014	HSP90AB1	GSE90639	2.63E+00	.	.	.
REG00014	FAM111A	GSE109604	2.631642854	knock down	up-regulate	0.012933085
REG00014	CA2	GSE90639	2.64E+00	.	.	.
REG00014	HIST1H2AL	GSE90639	2.65E+00	.	.	.
REG00014	HACL1	GSE109604	2.650582965	knock down	up-regulate	9.84E-06
REG00014	UVRAG	GSE109604	2.65796449	knock down	up-regulate	0.003683496
REG00014	ATP9A	GSE109604	2.662028251	knock down	up-regulate	4.01E-18
REG00014	VBP1	GSE90639	2.67E+00	.	.	.
REG00014	RPL26	GSE90639	2.68E+00	.	.	.
REG00014	HNRNPR	GSE90639	2.68E+00	.	.	.
REG00014	LRRN4CL	GSE109604	2.683872996	knock down	up-regulate	8.75E-05
REG00014	H2AFZ	GSE90639	2.69E+00	.	.	.
REG00014	RPL37A	GSE90639	2.71E+00	.	.	.
REG00014	RPL8	GSE90639	2.73E+00	.	.	.
REG00014	KIF5B	GSE90639	2.74E+00	.	.	.
REG00014	EIF4E1B	GSE109604	2.74445683	knock down	up-regulate	0.000525229
REG00014	ZCCHC2	GSE109604	2.748463719	knock down	up-regulate	0.001620199
REG00014	VAMP4	GSE109604	2.762082343	knock down	up-regulate	3.35E-05
REG00014	RPL22	GSE90639	2.77E+00	.	.	.
REG00014	RPL29	GSE90639	2.77E+00	.	.	.
REG00014	WDR55	GSE109604	2.77577276	knock down	up-regulate	0.027155934
REG00014	EEF1G	GSE90639	2.82E+00	.	.	.
REG00014	ADAMTSL1	GSE109604	2.85483478	knock down	up-regulate	6.16E-05
REG00014	ADPRM	GSE109604	2.890288422	knock down	up-regulate	0.011709885
REG00014	ALKBH4	GSE109604	2.893278971	knock down	up-regulate	1.32E-07
REG00014	TMTC2	GSE109604	2.899243217	knock down	up-regulate	0.000243495
REG00014	RPS15	GSE90639	2.90E+00	.	.	.

REG00014	HCCS	GSE90639	2.90E+00	.	.	.
REG00014	QPCT	GSE109604	2.905852976	knock down	up-regulate	0.047503983
REG00014	ZNF792	GSE109604	2.90977988	knock down	up-regulate	0.036483561
REG00014	EEF2	GSE90639	2.93E+00	.	.	.
REG00014	ATF4	GSE90639	2.93E+00	.	.	.
REG00014	IRS4	GSE90639	2.97E+00	.	.	.
REG00014	TTLL7	GSE109604	2.984091955	knock down	up-regulate	1.76E-06
REG00014	NDUFS5	GSE90639	2.99E+00	.	.	.
REG00014	HIST1H1D	GSE90639	3.04E+00	.	.	.
REG00014	HIST1H4H	GSE90639	3.09E+00	.	.	.
REG00014	TRIM2	GSE109604	3.109905358	knock down	up-regulate	0.000121787
REG00014	OSBPL5	GSE109604	3.159566862	knock down	up-regulate	0.000993331
REG00014	HNRNPAB	GSE90639	3.16E+00	.	.	.
REG00014	CCT4	GSE90639	3.17E+00	.	.	.
REG00014	TRAK2	GSE109604	3.182034488	knock down	up-regulate	9.51E-06
REG00014	ZNF862	GSE109604	3.206592944	knock down	up-regulate	0.012274605
REG00014	LDHB	GSE90639	3.21E+00	.	.	.
REG00014	TMEM65	GSE109604	3.228033881	knock down	up-regulate	0.000324908
REG00014	CEP72	GSE109604	3.234492992	knock down	up-regulate	0.048409412
REG00014	RPL6	GSE90639	3.25E+00	.	.	.
REG00014	ATP10D	GSE109604	3.290601623	knock down	up-regulate	4.67E-22
REG00014	TUBA1B	GSE90639	3.30E+00	.	.	.
REG00014	LAPTM4A	GSE109604	3.304552685	knock down	up-regulate	5.38E-08
REG00014	HIST2H3C	GSE90639	3.32E+00	.	.	.
REG00014	HIST2H3A	GSE90639	3.32E+00	.	.	.
REG00014	ACY1	GSE109604	3.326591228	knock down	up-regulate	0.031818436
REG00014	MRPS34	GSE90639	3.33E+00	.	.	.
REG00014	TMEM222	GSE109604	3.338373269	knock down	up-regulate	0.000462217
REG00014	STRAP	GSE90639	3.38E+00	.	.	.
REG00014	TRIM68	GSE109604	3.380159094	knock down	up-regulate	2.98E-06
REG00014	UBB	GSE90639	3.39E+00	.	.	.
REG00014	UBE2Q1	GSE109604	3.395113447	knock down	up-regulate	5.91E-06
REG00014	CD200	GSE109604	3.400084909	knock down	up-regulate	0.001244598
REG00014	UNKL	GSE109604	3.405959751	knock down	up-regulate	0.000857912
REG00014	PSAT1	GSE90639	3.41E+00	.	.	.
REG00014	RPS2	GSE90639	3.42E+00	.	.	.
REG00014	XRCC6	GSE90639	3.44E+00	.	.	.
REG00014	CD59	GSE109604	3.467579887	knock down	up-regulate	0.017019534
REG00014	TGFB2	GSE109604	3.493634905	knock down	up-regulate	9.76E-06
REG00014	PSPC1	GSE109604	3.541059453	knock down	up-regulate	1.79E-05
REG00014	TMEM39A	GSE109604	3.541584016	knock down	up-regulate	0.000348278
REG00014	GINS3	GSE109604	3.574060341	knock down	up-regulate	6.62E-43
REG00014	HIST1H4B	GSE90639	3.68E+00	.	.	.
REG00014	TMEM203	GSE109604	3.68151341	knock down	up-regulate	1.06E-05
REG00014	HIST1H2BC	GSE90639	3.76E+00	.	.	.
REG00014	NDUFB4	GSE90639	3.76E+00	.	.	.
REG00014	HIST2H3D	GSE90639	3.83E+00	.	.	.
REG00014	HMGB3	GSE90639	3.86E+00	.	.	.
REG00014	ZFP41	GSE109604	3.863463663	knock down	up-regulate	1.04E-15
REG00014	HIST1H3H	GSE90639	3.90E+00	.	.	.

REG00014	HIST1H4E	GSE90639	3.90E+00	.	.	.
REG00014	HIST2H2AC	GSE90639	3.95E+00	.	.	.
REG00014	AMMECR1	GSE109604	3.989907646	knock down	up-regulate	0.005152202
REG00014	TRIM37	GSE109604	4.007090437	knock down	up-regulate	0.000117263
REG00014	UQCRH	GSE109604	4.01070252	knock down	up-regulate	0.000150641
REG00014	HIST1H2BJ	GSE90639	4.08E+00	.	.	.
REG00014	FAM126A	GSE109604	4.096500123	knock down	up-regulate	0.043541763
REG00014	MIF	GSE90639	4.11E+00	.	.	.
REG00014	HNRNPA2B1	GSE90639	4.15E+00	.	.	.
REG00014	FAM111B	GSE109604	4.254718055	knock down	up-regulate	0.032802446
REG00014	HIST1H2BO	GSE90639	4.33E+00	.	.	.
REG00014	FJX1	GSE109604	4.396751791	knock down	up-regulate	0.000836766
REG00014	HIST1H4D	GSE90639	4.42E+00	.	.	.
REG00014	APLN	GSE109604	4.513603658	knock down	up-regulate	0.002642123
REG00014	IDUA	GSE109604	4.51539441	knock down	up-regulate	0.026584485
REG00014	HIST1H2AH	GSE90639	4.57E+00	.	.	.
REG00014	EXOC3	GSE90639	4.59E+00	.	.	.
REG00014	ZNF865	GSE109604	4.628260668	knock down	up-regulate	0.047090884
REG00014	FZR1	GSE109604	4.639780834	knock down	up-regulate	2.91E-07
REG00014	HIST1H4J	GSE90639	4.66E+00	.	.	.
REG00014	HIST1H2AI	GSE90639	4.67E+00	.	.	.
REG00014	AURKA	GSE109604	4.678448133	knock down	up-regulate	0.003430597
REG00014	HIST1H2BD	GSE90639	4.76E+00	.	.	.
REG00014	HIST2H4A	GSE90639	4.82E+00	.	.	.
REG00014	ABTB1	GSE109604	4.88402028	knock down	up-regulate	0.023458458
REG00014	UCKL1	GSE109604	4.93161684	knock down	up-regulate	0.000986105
REG00014	NCAPG	GSE90639	5.09E+00	.	.	.
REG00014	HIST2H2BE	GSE90639	5.09E+00	.	.	.
REG00014	GAA	GSE109604	5.143311187	knock down	up-regulate	0.003414005
REG00014	ANKRD28	GSE109604	5.361094624	knock down	up-regulate	0.003229527
REG00014	HIST1H2BK	GSE90639	5.59E+00	.	.	.
REG00014	WDR24	GSE109604	5.594097717	knock down	up-regulate	5.73E-59
REG00014	ZMAT2	GSE109604	5.619612042	knock down	up-regulate	1.50E-18
REG00014	MANF	GSE109604	6.147743511	knock down	up-regulate	0.005859822
REG00014	HIST1H3B	GSE90639	6.47E+00	.	.	.
REG00014	GPR153	GSE109604	6.511519454	knock down	up-regulate	9.87E-05
REG00014	AFTPH	GSE109604	6.903746022	knock down	up-regulate	0.000897303
REG00014	HIST1H1E	GSE90639	7.74E+00	.	.	.
REG00014	LRP6	GSE109604	9.897537073	knock down	up-regulate	2.25E-11
REG00014	RHBDL1	GSE92220	.	.	.	.
REG00014	BCL6	GSE92220	.	.	.	.
REG00014	RHEB	GSE92220	.	.	.	.
REG00014	RING1	GSE92220	.	.	.	.
REG00014	RIPK1	GSE92220	.	.	.	.
REG00014	RIPK2	GSE92220	.	.	.	.
REG00014	RIT1	GSE92220	.	.	.	.
REG00014	RLBP1	GSE92220	.	.	.	.
REG00014	BCL7A	GSE92220	.	.	.	.
REG00014	RNASE4	GSE92220	.	.	.	.
REG00014	RNF10	GSE92220	.	.	.	.

REG00014	RNF11	GSE92220
REG00014	RNF13	GSE92220
REG00014	TRIM3	GSE92220
REG00014	TRIM39	GSE92220
REG00014	PCGF3	GSE92220
REG00014	RNF4	GSE92220
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REG00014	RNGTT	GSE92220
REG00014	RNH1	GSE92220
REG00014	RNMT	GSE92220
REG00014	RNPEPL1	GSE92220
REG00014	RNPS1	GSE92220
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REG00014	OPN1SW	GSE92220
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REG00014	BDKRB1	GSE92220
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REG00014	RPIA	GSE92220
REG00014	RPL10	GSE92220
REG00014	RPL10A	GSE92220
REG00014	CNNM2	GSE92220
REG00014	RPL11	GSE92220
REG00014	RPL12	GSE92220
REG00014	RPL13	GSE92220
REG00014	RPL13A	GSE92220
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REG00014	RPL27A	GSE92220
REG00014	RPL28	GSE92220
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REG00014	RPL31	GSE92220
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REG00014	RPS27	GSE92220
REG00014	RPS27A	GSE92220
REG00014	RPS28	GSE92220
REG00014	RPS29	GSE92220
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REG00014	RPS3A	GSE92220
REG00014	RPS4X	GSE92220
REG00014	RPS4Y1	GSE92220
REG00014	RPS5	GSE92220
REG00014	RPS6	GSE92220
REG00014	BGLAP	GSE92220
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REG00014	RPS6KB2	GSE92220
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REG00014	RREB1	GSE92220
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REG00014	RUVBL1	GSE92220
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REG00014	S100B	GSE92220
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REG00014	VPS52	GSE92220
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REG00014	SARS	GSE92220
REG00014	SART1	GSE92220
REG00014	SAT1	GSE92220
REG00014	SBF1	GSE92220

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REG00014	BLCAP	GSE92220
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REG00014	SCAMP2	GSE92220
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REG00014	SCNN1A	GSE92220
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REG00014	CX3CL1	GSE92220
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REG00014	SDC1	GSE92220
REG00014	SDC2	GSE92220
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REG00014	NEMF	GSE92220
REG00014	CWC27	GSE92220
REG00014	UTP14A	GSE92220
REG00014	SDCCAG3	GSE92220
REG00014	NOXA1	GSE92220
REG00014	TSHZ1	GSE92220
REG00014	BMP1	GSE92220
REG00014	SDF2	GSE92220
REG00014	SDF2L1	GSE92220
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REG00014	EXOC5	GSE92220
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REG00014	SEC24A	GSE92220
REG00014	SEC24C	GSE92220
REG00014	SEC24D	GSE92220
REG00014	BMP4	GSE92220
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REG00014	SEMA3B	GSE92220
REG00014	SEMA3F	GSE92220
REG00014	SEMA4A	GSE92220
REG00014	SEMA4C	GSE92220
REG00014	SEMA4F	GSE92220
REG00014	SEMA4G	GSE92220
REG00014	SEMA6A	GSE92220
REG00014	SEMA6B	GSE92220
REG00014	SEMA6C	GSE92220
REG00014	SEMA7A	GSE92220
REG00014	SELENOP	GSE92220
REG00014	SERF2	GSE92220
REG00014	SERP1	GSE92220
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REG00014	SFPQ	GSE92220
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REG00014	BMPR2	GSE92220
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REG00014	SCAF11	GSE92220
REG00014	SRSF3	GSE92220
REG00014	SRSF4	GSE92220
REG00014	SRSF5	GSE92220
REG00014	SRSF6	GSE92220
REG00014	SRSF7	GSE92220
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REG00014	DEXI	GSE90639	Inf	.	.	.
REG00014	HRASLS	GSE90639	Inf	.	.	.
REG00014	RRAS2	GSE90639	Inf	.	.	.
REG00014	CDK3	GSE90639	Inf	.	.	.
REG00014	NUDT11	GSE90639	Inf	.	.	.
REG00014	P2RY12	GSE90639	Inf	.	.	.
REG00014	FOXD4L1	GSE90639	Inf	.	.	.
REG00014	C22orf23	GSE90639	Inf	.	.	.
REG00014	TAS2R46	GSE90639	Inf	.	.	.
REG00014	GJD3	GSE90639	Inf	.	.	.
REG00014	CMTM1	GSE90639	Inf	.	.	.
REG00014	PGBD3	GSE90639	Inf	.	.	.

REG00014	CKS2	GSE90639	Inf	.	.	.
REG00014	CENPU	GSE90639	Inf	.	.	.
REG00014	FSIP1	GSE90639	Inf	.	.	.
REG00014	COX8A	GSE90639	Inf	.	.	.
REG00014	PLGRKT	GSE90639	Inf	.	.	.
REG00014	CTAG1A	GSE90639	Inf	.	.	.
REG00014	TEX30	GSE90639	Inf	.	.	.
REG00014	UFSP2	GSE90639	Inf	.	.	.
REG00014	C10orf95	GSE90639	Inf	.	.	.
REG00014	PIGY	GSE90639	Inf	.	.	.
REG00014	TMED6	GSE90639	Inf	.	.	.
REG00014	CCDC107	GSE90639	Inf	.	.	.
REG00014	TMEM27	GSE90639	Inf	.	.	.
REG00014	HIST2H2AA4	GSE90639	Inf	.	.	.
REG00014	SP9	GSE90639	Inf	.	.	.
REG00014	FOXD4L6	GSE90639	Inf	.	.	.
REG00014	OST4	GSE90639	Inf	.	.	.
REG00014	SDHAF1	GSE90639	Inf	.	.	.
REG00014	TOMM6	GSE90639	Inf	.	.	.
REG00014	CMC4	GSE90639	Inf	.	.	.
REG00014	ZMYM6NB	GSE90639	Inf	.	.	.
REG00014	NPIPA2	GSE90639	Inf	.	.	.
REG00014	GDF1	GSE90639	Inf	.	.	.
REG00014	FSBP	GSE90639	Inf	.	.	.
REG00014	GNG10	GSE90639	Inf	.	.	.
REG00014	PYURF	GSE90639	Inf	.	.	.
REG00014	GOLGA8T	GSE90639	Inf	.	.	.
REG00014	GPR52	GSE90639	Inf	.	.	.
REG00014	HIST1H1C	GSE90639	Inf	.	.	.
REG00014	HIST1H2AK	GSE90639	Inf	.	.	.
REG00014	HIST1H2AD	GSE90639	Inf	.	.	.
REG00014	HIST1H2AB	GSE90639	Inf	.	.	.
REG00014	HIST1H2BL	GSE90639	Inf	.	.	.
REG00014	HIST1H3A	GSE90639	Inf	.	.	.
REG00014	HIST1H3J	GSE90639	Inf	.	.	.
REG00014	HIST1H4A	GSE90639	Inf	.	.	.
REG00014	HIST1H4K	GSE90639	Inf	.	.	.
REG00014	HIST1H4C	GSE90639	Inf	.	.	.
REG00014	HNRNPA1P48	GSE90639	Inf	.	.	.
REG00014	MGAT2	GSE90639	Inf	.	.	.
REG00014	MPHOSPH6	GSE90639	Inf	.	.	.
REG00014	NDUFC1	GSE90639	Inf	.	.	.
REG00014	PRH1	GSE90639	Inf	.	.	.