

Table SVI. T topological parameters of all nodes in the brown module networks.

SUID	Average shortest path length	Betweenness centrality	Closeness centrality	Clustering coefficient	Degree	Eccentricity	Is Single node	Name	Neighborhood connectivity	Number of directed edges
138395	1.2063	0.0848	0.8289	0.2846	312	4	FALSE	CCNB2	90.0481	312
138399	1.2222	0.0794	0.8182	0.2976	305	4	FALSE	BUB1B	92.1738	305
138397	1.2407	0.0476	0.8060	0.3094	299	4	FALSE	CDC20	93.8763	299
138401	1.2460	0.0433	0.8025	0.3136	297	4	FALSE	DLGAP5	94.5118	297
138403	1.3175	0.0306	0.7590	0.3416	283	4	FALSE	NEK2	98.4276	283
138460	1.3386	0.0196	0.7470	0.3604	275	4	FALSE	UBE2C	101.1055	275
138610	1.3439	0.0181	0.7441	0.3602	275	4	FALSE	CCNB1	100.9818	275
138713	1.3069	0.0263	0.7652	0.3603	275	4	FALSE	UHRF1	101.2691	275
138624	1.3439	0.0174	0.7441	0.3657	273	4	FALSE	KIF4A	101.8571	273
138407	1.3571	0.0204	0.7368	0.3659	272	4	FALSE	NUF2	101.6985	272
138533	1.3492	0.0169	0.7412	0.3701	271	4	FALSE	MELK	102.4613	271
138616	1.3201	0.0218	0.7575	0.3726	270	4	FALSE	NUSAP1	102.9556	270
138494	1.3307	0.0229	0.7515	0.3726	269	4	FALSE	ZWINT	102.8662	269
138434	1.3333	0.0201	0.7500	0.3848	265	4	FALSE	RRM2	104.6453	265
138580	1.3862	0.0119	0.7214	0.3862	264	4	FALSE	BUB1	104.4432	264
138668	1.3757	0.0132	0.7269	0.3890	263	4	FALSE	ASPM	104.9620	263
138584	1.3757	0.0146	0.7269	0.3887	262	4	FALSE	TPX2	104.9198	262
138405	1.3968	0.0111	0.7159	0.4040	257	4	FALSE	KIF14	106.8638	257
138535	1.3995	0.0112	0.7146	0.4063	256	4	FALSE	CENPA /// SLC35F6	107.1680	256
138576	1.4021	0.0108	0.7132	0.4086	255	4	FALSE	KIF2C	107.4667	255
138711	1.4021	0.0104	0.7132	0.4092	255	4	FALSE	CDCA5	107.5451	255
138626	1.4101	0.0100	0.7092	0.4232	250	4	FALSE	CEP55	109.4920	250
138450	1.4180	0.0089	0.7052	0.4260	249	4	FALSE	FOXMI	109.7430	249
138634	1.4180	0.0100	0.7052	0.4234	249	4	FALSE	HJURP	109.4257	249
138545	1.4312	0.0083	0.6987	0.4296	247	4	FALSE	STIL	110.1700	247
138700	1.3915	0.0252	0.7186	0.4141	247	4	FALSE	UBE2T	108.4332	247
138448	1.3942	0.0151	0.7173	0.4241	246	4	FALSE	KIAA0101	109.8211	246

138614	1.4841	0.0084	0.6738	0.4393	243	4	FALSE	PRC1	111.3292	243
138531	1.4392	0.0077	0.6949	0.4446	242	4	FALSE	TTK	112.1198	242
138564	1.4497	0.0075	0.6898	0.4463	240	4	FALSE	HMMR	112.3375	240
138442	1.4630	0.0068	0.6835	0.4655	234	4	FALSE	MCM2	114.7821	234
138632	1.5291	0.0046	0.6540	0.4853	228	4	FALSE	NCAPG	117.0307	228
138686	1.5397	0.0044	0.6495	0.4888	227	4	FALSE	CDCA8	117.4317	227
138476	1.5344	0.0071	0.6517	0.4867	225	4	FALSE	CCNA2	117.3244	225
138578	1.5317	0.0050	0.6528	0.4952	224	4	FALSE	AURKB	118.3348	224
138557	1.5608	0.0047	0.6407	0.4933	222	4	FALSE	GIN51	118.0676	222
138464	1.5952	0.0039	0.6269	0.5186	213	5	FALSE	TIMELESS	121.1972	213
138510	1.5926	0.0029	0.6279	0.5540	207	4	FALSE	KIF11	125.2415	207
138520	1.6085	0.0026	0.6217	0.5647	204	4	FALSE	EXO1	126.4265	204
138466	1.6217	0.0025	0.6166	0.5697	202	4	FALSE	SPAG5	127.0495	202
138654	1.6164	0.0025	0.6187	0.5742	201	4	FALSE	KIF15	127.5572	201
138694	1.6190	0.0024	0.6176	0.5766	200	4	FALSE	KIF18B	127.8700	200
138638	1.6376	0.0021	0.6107	0.5823	199	4	FALSE	KIF20A	128.4874	199
138676	1.6217	0.0023	0.6166	0.5824	199	4	FALSE	MCM10	128.4925	199
138600	1.6323	0.0023	0.6126	0.5850	198	4	FALSE	FANCI	128.8283	198
138650	1.6296	0.0021	0.6136	0.5949	196	4	FALSE	PBK	129.9286	196
138656	1.6402	0.0019	0.6097	0.5971	195	4	FALSE	SHCBP1	130.2205	195
138428	1.6587	0.0017	0.6029	0.6137	191	4	FALSE	TOP2A	132.0733	191
138440	1.6508	0.0019	0.6058	0.6134	191	4	FALSE	BIRC5	132.0733	191
138723	1.6508	0.0018	0.6058	0.6223	188	4	FALSE	DEPDC1B	133.1596	188
138504	1.6667	0.0016	0.6000	0.6358	185	4	FALSE	RAD51AP1	134.6865	185
138680	1.6878	0.0015	0.5925	0.6353	184	5	FALSE	C1orf112	134.7011	184
138525	1.6693	0.0015	0.5990	0.6492	181	4	FALSE	KIF23	136.2873	181
138470	1.7011	0.0012	0.5879	0.6576	180	5	FALSE	CDK1	137.1056	180
138490	1.6878	0.0013	0.5925	0.6579	180	4	FALSE	CDC6	137.1556	180
138644	1.6878	0.0013	0.5925	0.6573	180	4	FALSE	CENPU	137.1278	180

138409	1.6825	0.0015	0.5943	0.6550	179	4	FALSE	ANLN	137.0279	179
138582	1.6746	0.0014	0.5972	0.6583	179	4	FALSE	SPC25	137.3240	179
138422	1.6984	0.0012	0.5888	0.6693	176	4	FALSE	CDKN3	138.5966	176
138506	1.7063	0.0011	0.5860	0.6832	173	4	FALSE	NDC80	140.1850	173
138598	1.7275	0.0009	0.5789	0.7042	169	5	FALSE	NCAPH	142.5030	169
138498	1.7328	0.0008	0.5771	0.7087	168	5	FALSE	AURKA	143.0119	168
138719	1.7434	0.0007	0.5736	0.7296	163	5	FALSE	CDCA2	145.5031	163
138590	1.7460	0.0007	0.5727	0.7325	162	5	FALSE	MKI67	145.9136	162
138446	1.7513	0.0015	0.5710	0.6690	161	5	FALSE	H2AFV	140.9627	161
138670	1.7593	0.0006	0.5684	0.7526	158	5	FALSE	E2F8	148.2025	158
138539	1.7698	0.0005	0.5650	0.7749	153	5	FALSE	CENPE	150.9346	153
138527	1.7778	0.0006	0.5625	0.7724	151	5	FALSE	FEN1	151.1722	151
138541	1.7804	0.0005	0.5617	0.7880	150	5	FALSE	CDC25C	152.5400	150
138492	1.7910	0.0004	0.5583	0.7999	146	5	FALSE	RFC4	154.3630	146
138698	1.7910	0.0004	0.5583	0.8047	146	5	FALSE	CENPK	154.7534	146
138566	1.7963	0.0006	0.5567	0.7691	144	5	FALSE	METTL7A	152.7569	144
138432	1.8042	0.0003	0.5543	0.8292	140	5	FALSE	MYBL2	158.2071	140
138618	1.8095	0.0003	0.5526	0.8348	139	5	FALSE	ASF1B	158.8849	139
138721	1.8360	0.0002	0.5447	0.8882	129	5	FALSE	CENPW	165.9302	129
138745	1.8360	0.0002	0.5447	0.8883	129	5	FALSE	CKAP2L	165.9225	129
138482	1.8466	0.0001	0.5415	0.9074	125	5	FALSE	PTTG1	168.7920	125
138717	1.8492	0.0004	0.5408	0.8337	124	5	FALSE	RMI2	164.5161	124
138555	1.8519	0.0001	0.5400	0.9146	123	5	FALSE	POLE2	170.1707	123
138500	1.8624	0.0001	0.5369	0.9217	119	5	FALSE	CDC45	172.5462	119
138672	1.8677	0.0001	0.5354	0.9388	117	5	FALSE	AUNIP	174.5385	117
138702	1.8677	0.0001	0.5354	0.9436	117	5	FALSE	TCF19	174.9829	117
138549	1.8704	0.0001	0.5347	0.9340	116	5	FALSE	CHEK1	174.6897	116
138664	1.8757	0.0001	0.5331	0.9472	114	5	FALSE	NCAPG2	176.8509	114
138438	1.8810	0.0000	0.5316	0.9604	112	5	FALSE	MCM6	178.8214	112

138735	1.8810	0.0000	0.5316	0.9612	112	5	FALSE	MTRF2	178.8214	112
138606	1.8836	0.0000	0.5309	0.9610	111	5	FALSE	OIP5	179.3874	111
138696	1.8862	0.0000	0.5302	0.9686	110	5	FALSE	RACGAP1	180.6455	110
138684	1.8915	0.0001	0.5287	0.9552	108	5	FALSE	CDCA3	181.0000	108
138733	1.8942	0.0000	0.5279	0.9774	107	5	FALSE	E2F7	183.1215	107
138414	1.8995	0.0001	0.5265	0.9390	105	5	FALSE	TK1	181.4952	105
138462	1.8995	0.0000	0.5265	0.9603	105	5	FALSE	RNASEH2A	183.2190	105
138474	1.8995	0.0000	0.5265	0.9689	105	5	FALSE	EZH2	183.6381	105
138636	1.8995	0.0000	0.5265	0.9811	105	5	FALSE	CENPM	184.7524	105
138662	1.8995	0.0000	0.5265	0.9837	105	5	FALSE	CENPN	185.0571	105
138559	1.9048	0.0000	0.5250	0.9798	103	5	FALSE	KNTC1	185.8641	103
138496	1.9074	0.0000	0.5243	0.9895	102	5	FALSE	TRIP13	187.5490	102
138436	1.9101	0.0000	0.5235	0.9683	101	5	FALSE	CKS1B	187.1485	101
138586	1.9101	0.0000	0.5235	0.9745	101	5	FALSE	RPL39L	187.4554	101
138648	1.9101	0.0000	0.5235	0.9760	101	5	FALSE	ORC6	186.6040	101
138749	1.9101	0.0000	0.5235	0.9865	101	5	FALSE	CENPH	188.0990	101
138692	1.9153	0.0000	0.5221	0.9934	99	5	FALSE	SPDL1	190.3131	99
138666	1.9206	0.0000	0.5207	0.9905	97	5	FALSE	ECT2	190.9897	97
138488	1.9233	0.0000	0.5199	0.9925	96	5	FALSE	CD302 /// LY75 /// LY75- CD302	192.6458	96
138516	1.9233	0.0000	0.5199	0.9958	96	5	FALSE	BRCA1	192.6563	96
138537	1.9259	0.0000	0.5192	0.9957	95	5	FALSE	CCNE2	193.8526	95
138741	1.9286	0.0000	0.5185	0.9973	94	5	FALSE	ZNF367	193.4681	94
138715	1.9365	0.0000	0.5164	0.9988	91	5	FALSE	FAM72A /// FAM72B /// FAM72C /// FAM72D	196.1758	91
138622	1.9418	0.0000	0.5150	0.9972	89	5	FALSE	TACC3	199.8090	89
138518	1.9444	0.0000	0.5143	0.9927	88	5	FALSE	RAD54L	200.1818	88
138652	1.9444	0.0000	0.5143	0.9987	88	5	FALSE	GALNT14	200.8182	88
138747	1.9444	0.0000	0.5143	0.9995	88	5	FALSE	SGOL2	199.8977	88

138426	1.9497	0.0000	0.5129	0.9932	86	5	FALSE	PCNA	202.2326	86
138418	1.9524	0.0000	0.5122	0.9787	85	5	FALSE	MAD2L1	200.8235	85
138594	1.9524	0.0000	0.5122	0.9938	85	5	FALSE	TENC1	203.0588	85
138604	1.9524	0.0000	0.5122	0.9994	85	5	FALSE	CCNE1	204.1059	85
138642	1.9524	0.0000	0.5122	0.9986	85	5	FALSE	TMEM132A	204.2706	85
138705	1.9524	0.0000	0.5122	0.9997	85	5	FALSE	MND1	204.1059	85
138484	1.9550	0.0000	0.5115	1.0000	84	5	FALSE	SKP2	204.2381	84
138574	1.9550	0.0000	0.5115	0.9991	84	5	FALSE	PTTG3P	205.2500	84
138674	1.9550	0.0000	0.5115	0.9997	84	5	FALSE	DEPDC1	204.9405	84
138707	1.9630	0.0000	0.5094	1.0000	81	5	FALSE	MCM8	208.4074	81
138755	1.9630	0.0000	0.5094	0.9948	81	5	FALSE	LRR1	207.2469	81
138608	1.9656	0.0000	0.5087	1.0000	80	5	FALSE	DNA2	208.5500	80
138508	1.9683	0.0000	0.5081	1.0000	79	5	FALSE	DBF4	209.5190	79
138596	1.9683	0.0000	0.5081	1.0000	79	5	FALSE	LYPD1	211.0886	79
138480	1.9735	0.0000	0.5067	0.9788	77	5	FALSE	SEC61G	211.3636	77
138592	1.9735	0.0000	0.5067	1.0000	77	5	FALSE	MCM4	211.9221	77
138412	1.9762	0.0000	0.5060	1.0000	76	5	FALSE	CENPL	213.2368	76
138640	1.9762	0.0000	0.5060	0.9996	76	5	FALSE	ATAD2	213.4342	76
138416	1.9815	0.0000	0.5047	0.9993	74	5	FALSE	SUV39H2	214.5946	74
138562	1.9815	0.0000	0.5047	1.0000	74	5	FALSE	NUP155	216.2432	74
138682	1.9815	0.0000	0.5047	1.0000	74	5	FALSE	KIF18A	214.7973	74
138452	1.9841	0.0000	0.5040	1.0000	73	5	FALSE	ACTL6A	217.7397	73
138472	1.9841	0.0000	0.5040	1.0000	73	5	FALSE	LMNB1	217.4658	73
138568	1.9841	0.0000	0.5040	0.9996	73	5	FALSE	ANP32E	215.8630	73
138502	1.9868	0.0000	0.5033	1.0000	72	5	FALSE	RFC3	217.9306	72
138547	1.9868	0.0000	0.5033	1.0000	72	5	FALSE	BARD1	218.2500	72
138551	1.9868	0.0000	0.5033	1.0000	72	5	FALSE	BLM	217.5694	72
138751	1.9603	0.0001	0.5101	0.9550	72	4	FALSE	GPR133	214.0833	72
138478	1.9894	0.0000	0.5027	1.0000	71	5	FALSE	TMPO	220.1972	71

138628	1.9894	0.0000	0.5027	1.0000	71	5	FALSE	DTL	219.7465	71
138646	1.9894	0.0000	0.5027	1.0000	71	5	FALSE	RMI1	220.1972	71
138709	1.9894	0.0000	0.5027	1.0000	71	5	FALSE	CDCA7	219.8873	71
138725	1.9894	0.0000	0.5027	1.0000	71	5	FALSE	TRIM59	219.9014	71
138727	1.8862	0.0008	0.5302	0.9751	71	5	FALSE	PEBP4	217.7606	71
138392	1.8624	0.0827	0.5369	0.2033	70	5	FALSE	CTHRC1	57.7429	70
138420	1.9921	0.0000	0.5020	0.9992	70	5	FALSE	CYP4B1	218.6143	70
138430	1.9921	0.0000	0.5020	1.0000	70	5	FALSE	GPX3	220.8571	70
138690	1.9921	0.0000	0.5020	1.0000	70	5	FALSE	DONSON	221.0429	70
138757	1.9921	0.0000	0.5020	1.0000	70	5	FALSE	LOC285902 /// ZNF273	221.0429	70
138424	1.9947	0.0000	0.5013	1.0000	69	5	FALSE	TROAP	216.2464	69
138468	1.9947	0.0000	0.5013	1.0000	69	5	FALSE	RFC5	221.5797	69
138658	1.9947	0.0000	0.5013	1.0000	69	5	FALSE	RAD54B	222.0580	69
138743	1.9947	0.0000	0.5013	1.0000	69	5	FALSE	LRRK2	221.8841	69
138523	1.9974	0.0000	0.5007	1.0000	68	5	FALSE	NFE2L3	223.0588	68
138759	1.8942	0.0033	0.5279	0.9245	67	5	FALSE	SFTA1P	218.0299	67
138602	2.0026	0.0001	0.4993	0.9734	66	5	FALSE	DDX11 /// DDX12P /// LOC642846	221.1515	66
138553	2.0053	0.0000	0.4987	1.0000	65	5	FALSE	ZBTB16	226.0615	65
139422	1.9021	0.0007	0.5257	0.9740	65	5	FALSE	PCDH7	224.7077	65
138543	2.0079	0.0000	0.4980	1.0000	64	5	FALSE	LRP8	227.5000	64
138688	2.0079	0.0000	0.4980	1.0000	64	5	FALSE	HSPB8	226.4844	64
138737	2.0079	0.0000	0.4980	1.0000	64	5	FALSE	DEPDC7	227.3125	64
138457	2.0106	0.0000	0.4974	1.0000	63	5	FALSE	MIR6883 /// PER1	227.3492	63
138660	2.0106	0.0000	0.4974	1.0000	63	5	FALSE	BORA	226.8254	63
139399	2.0106	0.0000	0.4974	1.0000	63	5	FALSE	CKS2	228.1587	63
138512	1.9101	0.0007	0.5235	0.9730	62	5	FALSE	MMP1	227.3065	62
138384	1.8862	0.0522	0.5302	0.4049	61	5	FALSE	COL11A1	141.0984	61
138588	2.0159	0.0000	0.4961	1.0000	61	5	FALSE	PLA2G4A	230.3770	61

139510	2.0159	0.0000	0.4961	1.0000	61	5	FALSE	MGME1	228.9180	61
138729	2.0185	0.0000	0.4954	1.0000	60	5	FALSE	LOC100506990	231.0500	60
139507	2.0185	0.0000	0.4954	1.0000	60	5	FALSE	CCDC167	229.7333	60
139899	2.0212	0.0000	0.4948	1.0000	59	5	FALSE	DHFR	231.3390	59
139971	2.0212	0.0000	0.4948	1.0000	59	5	FALSE	CDKN2A	231.4915	59
138514	2.0000	0.0053	0.5000	0.9655	58	4	FALSE	PLLP	229.9138	58
139216	2.0238	0.0000	0.4941	1.0000	58	5	FALSE	EPT1	233.0862	58
139948	2.0265	0.0000	0.4935	0.9893	57	5	FALSE	TFAP2A	230.9298	57
138731	2.0291	0.0000	0.4928	0.9890	56	5	FALSE	RILPL2	231.6250	56
138529	1.9947	0.0183	0.5013	0.8451	55	4	FALSE	CACNA2D2	217.0000	55
138739	2.0317	0.0000	0.4922	0.9892	55	5	FALSE	IGSF9	232.0182	55
138444	2.0344	0.0000	0.4915	1.0000	54	5	FALSE	PLK1	226.0556	54
138630	2.0344	0.0000	0.4915	1.0000	54	5	FALSE	PLEK2	235.9630	54
139981	2.0344	0.0000	0.4915	1.0000	54	5	FALSE	BOLA2 /// BOLA2B	235.7593	54
139609	2.0370	0.0000	0.4909	1.0000	53	5	FALSE	SPP1	238.8491	53
140017	2.0397	0.0000	0.4903	0.9917	52	5	FALSE	MRPS17	230.8654	52
140032	2.0450	0.0000	0.4890	1.0000	52	5	FALSE	HELLS	237.0000	52
140695	2.0397	0.0000	0.4903	1.0000	52	5	FALSE	KISS1R	239.1346	52
138410	2.0476	0.0000	0.4884	1.0000	51	5	FALSE	TMEM237	232.6471	51
138678	2.0476	0.0000	0.4884	1.0000	51	5	FALSE	ARNTL2	237.0392	51
139889	2.0423	0.0000	0.4896	1.0000	51	5	FALSE	EFEMP1	238.0000	51
138455	2.0503	0.0000	0.4877	1.0000	50	5	FALSE	UBE2S	233.7200	50
138570	2.0450	0.0000	0.4890	1.0000	50	5	FALSE	GPI	238.3600	50
139936	2.0503	0.0000	0.4877	1.0000	50	5	FALSE	CDKN2C	238.2600	50
139379	2.0476	0.0000	0.4884	1.0000	49	5	FALSE	HS2ST1	240.2449	49
140505	2.0000	0.0001	0.5000	0.9626	49	5	FALSE	TNFSF4	235.0408	49
140578	2.0529	0.0000	0.4871	1.0000	49	5	FALSE	EGLN3	240.9388	49
138390	2.5979	0.0121	0.3849	0.2294	47	6	FALSE	COL5A2	19.5106	47
139452	2.0529	0.0000	0.4871	1.0000	47	5	FALSE	HN1	242.5957	47

140659	2.0529	0.0002	0.4871	0.9121	47	5	FALSE	LINC00511 /// LINC00673	216.5532	47
138765	1.9312	0.0208	0.5178	0.3778	46	5	FALSE	GJB2	111.3913	46
140444	1.9524	0.0004	0.5122	0.9662	46	5	FALSE	LEPREL4	240.0870	46
140456	2.0608	0.0000	0.4852	1.0000	46	5	FALSE	ELOVL6	239.7826	46
140676	2.0635	0.0000	0.4846	1.0000	45	5	FALSE	SCGB3A2	243.4889	45
139747	2.0608	0.0000	0.4852	1.0000	44	5	FALSE	MARCKSL1	248.1818	44
139912	2.0608	0.0000	0.4852	1.0000	44	5	FALSE	FBLN5	242.3636	44
140418	1.9471	0.0066	0.5136	0.7326	44	5	FALSE	ADAM12	208.5000	44
139543	1.9524	0.0078	0.5122	0.7386	43	5	FALSE	LEPRE1	222.0233	43
140590	1.9418	0.0016	0.5150	0.8660	43	5	FALSE	SLC12A8	228.1860	43
140606	2.0635	0.0000	0.4846	1.0000	43	5	FALSE	MAGED4 /// MAGED4B /// SNORA11D /// SNORA11E	249.2093	43
140626	2.0635	0.0000	0.4846	0.9967	43	5	FALSE	PSMG3	235.7907	43
140640	1.9735	0.0017	0.5067	0.9535	43	5	FALSE	FAM83D	242.1628	43
138380	2.6402	0.0043	0.3788	0.2866	41	6	FALSE	THBS2	18.1951	41
140657	2.0741	0.0000	0.4821	1.0000	41	5	FALSE	ASPHD2	249.4146	41
140687	2.0714	0.0000	0.4828	1.0000	40	5	FALSE	IGFL2	253.5250	40
138612	2.0741	0.0000	0.4821	1.0000	39	5	FALSE	SLC6A10P /// SLC6A10PB /// SLC6A8	250.5385	39
139500	2.0741	0.0000	0.4821	1.0000	39	5	FALSE	ATL3	251.1795	39
139997	2.0741	0.0000	0.4821	1.0000	39	5	FALSE	HIST1H4J	252.4615	39
140649	2.0741	0.0000	0.4821	1.0000	39	5	FALSE	HES6	252.2051	39
138388	1.9497	0.0203	0.5129	0.3954	38	5	FALSE	GREM1	105.0789	38
138620	2.0767	0.0000	0.4815	1.0000	38	5	FALSE	LANCL2	251.3684	38
140405	2.0820	0.0000	0.4803	1.0000	38	5	FALSE	SLC6A8	253.0526	38
140493	2.0767	0.0000	0.4815	1.0000	38	5	FALSE	F12	253.1316	38
140610	2.0767	0.0000	0.4815	1.0000	38	5	FALSE	EIF4EBP1	255.2105	38
140693	2.0820	0.0000	0.4803	1.0000	38	5	FALSE	RP11- 295G20.2	250.3947	38
138572	2.0794	0.0000	0.4809	1.0000	37	5	FALSE	PITX1	250.1081	37

140574	2.0794	0.0000	0.4809	1.0000	37	5	FALSE	PID1	254.1081	37
140156	2.0820	0.0000	0.4803	0.9698	36	5	FALSE	NME1	247.6111	36
140491	2.0820	0.0000	0.4803	1.0000	36	5	FALSE	F8	258.8056	36
140647	2.0820	0.0000	0.4803	1.0000	36	5	FALSE	MEX3A	258.7222	36
139902	2.0899	0.0000	0.4785	1.0000	35	5	FALSE	PLOD2	257.7143	35
140630	1.9656	0.0021	0.5087	0.8387	35	5	FALSE	C1QTNF6	233.8286	35
140661	2.0529	0.0182	0.4871	0.6975	35	4	FALSE	SUSD2	202.3143	35
140665	2.0847	0.0000	0.4797	1.0000	35	5	FALSE	HYLS1	257.6286	35
138832	1.9762	0.0002	0.5060	0.9519	34	5	FALSE	C5orf46	250.6176	34
140526	2.0926	0.0000	0.4779	1.0000	34	5	FALSE	MGLL	258.0882	34
140645	2.0899	0.0000	0.4785	1.0000	33	5	FALSE	C1orf131	258.4545	33
140652	2.0952	0.0000	0.4773	1.0000	33	5	FALSE	IER5L	258.4242	33
140663	1.9788	0.0012	0.5053	0.9015	33	5	FALSE	GPX8	251.3636	33
140485	2.0952	0.0000	0.4773	1.0000	31	5	FALSE	ARHGAP44	262.7742	31
139497	2.0979	0.0000	0.4767	1.0000	30	5	FALSE	ABRACL	258.4333	30
140559	2.0979	0.0000	0.4767	1.0000	30	5	FALSE	SFXN1	262.5333	30
140587	2.1032	0.0000	0.4755	1.0000	30	5	FALSE	DENND1A	258.5667	30
140593	2.1032	0.0000	0.4755	1.0000	30	5	FALSE	GALNT6	264.1667	30
138382	2.6746	0.0022	0.3739	0.4631	29	6	FALSE	COL5A1	21.7931	29
140438	1.9974	0.0001	0.5007	0.9557	29	5	FALSE	SCG5	257.4828	29
140459	2.1005	0.0000	0.4761	1.0000	29	5	FALSE	ABCA3	265.2759	29
140543	2.0794	0.0109	0.4809	0.8251	29	4	FALSE	SFTPD	239.1724	29
140469	2.1032	0.0000	0.4755	1.0000	28	5	FALSE	RNF24	261.3214	28
140619	2.1032	0.0000	0.4755	1.0000	28	5	FALSE	XPR1	248.5000	28
138753	2.1058	0.0000	0.4749	1.0000	27	5	FALSE	GAPDHP73 /// GAPDHP73	256.0000	27
140453	2.1058	0.0000	0.4749	1.0000	27	5	FALSE	CPOX	264.1111	27
140495	2.1111	0.0000	0.4737	1.0000	27	5	FALSE	MMP3	265.4074	27
140556	2.1058	0.0000	0.4749	1.0000	27	5	FALSE	SESN1	264.3704	27
140617	2.1058	0.0000	0.4749	1.0000	27	5	FALSE	PPIL1	261.1111	27

140636	1.9947	0.0017	0.5013	0.8234	27	5	FALSE	PTGFRN	241.6667	27
140682	2.1111	0.0000	0.4737	1.0000	27	5	FALSE	SHE	267.0370	27
142041	2.1111	0.0000	0.4737	1.0000	27	5	FALSE	ZNF850	252.4444	27
140518	2.1085	0.0000	0.4743	1.0000	26	5	FALSE	RPA3	261.0385	26
139583	2.1164	0.0000	0.4725	1.0000	25	5	FALSE	MS4A15	266.7600	25
140515	2.1111	0.0000	0.4737	1.0000	25	5	FALSE	SYNE1	268.8000	25
138386	2.7116	0.0011	0.3688	0.3587	24	6	FALSE	COL10A1	19.3750	24
139541	2.0265	0.0029	0.4935	0.5573	23	5	FALSE	MXRA5	37.6957	23
139556	2.1217	0.0000	0.4713	1.0000	23	5	FALSE	CTB-92J24.2	267.1304	23
141526	2.1190	0.0000	0.4719	1.0000	22	5	FALSE	PDCD2L	264.8636	22
140512	2.1217	0.0000	0.4713	1.0000	21	5	FALSE	MDK	247.7619	21
140685	2.1217	0.0000	0.4713	1.0000	21	5	FALSE	PLEKHG4B	268.3333	21
141889	2.1032	0.0000	0.4755	0.9905	21	4	FALSE	HSD17B6	240.5714	21
139532	2.7169	0.0002	0.3681	0.6842	20	6	FALSE	COL3A1	26.2000	20
140673	2.1296	0.0000	0.4696	1.0000	20	5	FALSE	VSIG2	271.8500	20
138767	2.0106	0.0083	0.4974	0.5146	19	5	FALSE	PPAPDC1A	86.4737	19
139801	2.7063	0.0002	0.3695	0.7135	19	6	FALSE	FNDC1	28.7368	19
140551	2.1270	0.0000	0.4701	1.0000	19	5	FALSE	NDC1	271.0526	19
139534	2.7275	0.0031	0.3666	0.6667	18	6	FALSE	COL1A2	24.7778	18
140597	2.1296	0.0000	0.4696	1.0000	18	5	FALSE	STYK1	272.9444	18
141474	2.1296	0.0000	0.4696	1.0000	18	5	FALSE	ABCA12	267.9444	18
140180	2.1323	0.0000	0.4690	1.0000	17	5	FALSE	RPP40	259.5882	17
140392	2.0450	0.0056	0.4890	0.6765	17	5	FALSE	FAP	45.5294	17
141555	2.1323	0.0000	0.4690	1.0000	17	5	FALSE	HLTF	269.6471	17
142328	2.1376	0.0000	0.4678	1.0000	17	5	FALSE	VANGL1	272.2353	17
140389	2.7275	0.0054	0.3666	0.7333	16	6	FALSE	THY1	29.0625	16
142239	2.1190	0.0018	0.4719	0.8762	15	4	FALSE	CYP2B6 /// CYP2B7P	239.2000	15
139538	2.8069	0.0053	0.3563	0.6923	14	6	FALSE	LOXL1	24.0000	14
140487	2.1402	0.0000	0.4672	1.0000	14	5	FALSE	SAC3D1	272.9286	14

141494	2.1402	0.0000	0.4672	1.0000	14	5	FALSE	CTPS2	261.9286	14
142232	2.1455	0.0000	0.4661	1.0000	14	5	FALSE	FOXDI	275.4286	14
139730	2.0397	0.0004	0.4903	0.8077	13	5	FALSE	MMP14	247.0000	13
139796	2.7434	0.0023	0.3645	0.7821	13	6	FALSE	ISLR	28.3077	13
140386	2.7302	0.0000	0.3663	0.8718	13	6	FALSE	CILP	35.8462	13
140531	2.1481	0.0000	0.4655	1.0000	13	5	FALSE	DOCK9	276.6923	13
140536	2.0397	0.0010	0.4903	0.6667	13	5	FALSE	TENM4	193.8462	13
138762	2.7434	0.0001	0.3645	0.7576	12	6	FALSE	MMP11	33.4167	12
138769	2.1561	0.0000	0.4638	1.0000	12	5	FALSE	SEC62	277.3333	12
141368	2.7434	0.0002	0.3645	0.8333	12	6	FALSE	SPOCK1	34.0000	12
142234	2.1561	0.0000	0.4638	1.0000	12	5	FALSE	PLA2G1B	276.7500	12
140383	2.7989	0.0000	0.3573	0.9636	11	6	FALSE	FMO1	30.4545	11
142312	2.1429	0.0000	0.4667	1.0000	11	4	FALSE	SFTPA1 /// SFTPA2	259.3636	11
139531	2.7460	0.0000	0.3642	0.8667	10	6	FALSE	COL1A1	32.9000	10
140145	2.1561	0.0000	0.4638	1.0000	10	5	FALSE	SLC9A3R1	278.2000	10
142229	2.0476	0.0006	0.4884	0.7778	10	5	FALSE	MMP13	170.1000	10
142380	2.1561	0.0000	0.4638	1.0000	10	5	FALSE	KNSTRN	281.9000	10
139119	2.0582	0.0000	0.4859	0.9167	9	5	FALSE	DUOX1	264.1111	9
141657	2.1587	0.0000	0.4632	1.0000	9	5	FALSE	COL4A3	280.0000	9
142209	2.1534	0.0000	0.4644	1.0000	9	5	FALSE	GEMIN2	283.4444	9
142246	2.1799	0.0000	0.4587	1.0000	9	5	FALSE	DDX11	254.4444	9
142324	2.1587	0.0000	0.4632	1.0000	9	5	FALSE	TIPIN	280.1111	9
139792	2.8280	0.0000	0.3536	1.0000	8	6	FALSE	HTRA1	32.5000	8
141614	2.1614	0.0000	0.4627	1.0000	8	5	FALSE	PCP4	281.2500	8
142282	2.1614	0.0000	0.4627	1.0000	8	5	FALSE	TUBB2B	289.0000	8
142790	2.7566	0.0000	0.3628	0.9643	8	6	FALSE	FHL2	44.5000	8
142818	2.7487	0.0007	0.3638	0.7500	8	6	FALSE	TWIST1	39.0000	8
143369	2.7540	0.0000	0.3631	0.9286	8	6	FALSE	SULF1	42.8750	8
138379	2.7646	0.0000	0.3617	0.9524	7	6	FALSE	CILP2	44.2857	7

138394	2.1640	0.0000	0.4621	1.0000	7	5	FALSE	ACVR1C	289.2857	7
140379	2.8307	0.0000	0.3533	1.0000	7	6	FALSE	MFAP2	35.0000	7
140397	2.7646	0.0000	0.3617	1.0000	7	6	FALSE	CERCAM	40.8571	7
142373	2.0635	0.0000	0.4846	0.9524	7	5	FALSE	SLC46A2	261.8571	7
143356	2.0820	0.0001	0.4803	0.8095	7	5	FALSE	PLAU	117.4286	7
143380	2.7619	0.0000	0.3621	0.9048	7	6	FALSE	SUGCT	42.0000	7
139348	2.1667	0.0000	0.4615	1.0000	6	5	FALSE	RSRC1	290.6667	6
143376	2.7698	0.0000	0.3610	1.0000	6	6	FALSE	FKBP10	45.1667	6
143384	2.7989	0.0000	0.3573	0.9333	6	6	FALSE	COL8A2	44.3333	6
146382	3.8915	0.0089	0.2570	0.3333	6	6	FALSE	TMEM125	3.6667	6
139547	2.1693	0.0000	0.4610	1.0000	5	5	FALSE	LOC100131262	293.6000	5
142278	2.1878	0.0000	0.4571	1.0000	5	5	FALSE	SOX2	287.2000	5
142317	2.1825	0.0000	0.4582	1.0000	5	5	FALSE	C1orf106	237.6000	5
143359	2.8386	0.0000	0.3523	1.0000	5	6	FALSE	COMP	37.8000	5
146593	2.9312	0.0078	0.3412	0.3000	5	5	FALSE	C1orf116	31.6000	5
138761	2.8545	0.0000	0.3503	1.0000	4	6	FALSE	NETO1	34.5000	4
142340	2.1958	0.0000	0.4554	1.0000	4	5	FALSE	MOCOS	295.7500	4
142411	2.1243	0.0000	0.4707	1.0000	4	5	FALSE	ALPK2	176.7500	4
142421	2.1772	0.0000	0.4593	1.0000	4	5	FALSE	MIR210HG	303.2500	4
142433	2.1720	0.0000	0.4604	1.0000	4	5	FALSE	GPR137C	293.0000	4
146375	3.9206	0.0016	0.2551	0.5000	4	6	FALSE	FOLR1	4.2500	4
146376	2.9550	0.0095	0.3384	0.1667	4	5	FALSE	SFTPB	23.5000	4
146380	3.0212	0.0037	0.3310	0.5000	4	5	FALSE	SELENBP1	12.5000	4
139275	2.1799	0.0000	0.4587	1.0000	3	5	FALSE	SNX25	305.3333	3
141378	2.8757	0.0000	0.3477	1.0000	3	6	FALSE	UBE2QL1	30.6667	3
142043	2.8280	0.0000	0.3536	0.3333	3	4	FALSE	AK1	52.3333	3
142280	2.1984	0.0000	0.4549	1.0000	3	5	FALSE	PYROXD1	295.3333	3
142300	2.1746	0.0000	0.4599	1.0000	3	5	FALSE	FANCL	300.0000	3
142428	2.1984	0.0000	0.4549	1.0000	3	5	FALSE	FAM83F	302.6667	3

143367	2.8439	0.0000	0.3516	1.0000	3	6	FALSE	IGFBP3	52.6667	3
143372	3.5873	0.0000	0.2788	1.0000	3	7	FALSE	TMEM158	32.0000	3
143378	2.8519	0.0000	0.3506	1.0000	3	6	FALSE	LAMP5	45.0000	3
143390	2.8439	0.0000	0.3516	1.0000	3	6	FALSE	FBXO32	52.6667	3
146378	4.8836	0.0000	0.2048	0.6667	3	7	FALSE	FOXA2	4.0000	3
146955	2.3042	0.0000	0.4340	1.0000	3	5	FALSE	FBXO5	266.0000	3
148514	2.2407	0.0000	0.4463	0.6667	3	5	FALSE	LAMP3	113.6667	3
139129	2.2011	0.0000	0.4543	1.0000	2	5	FALSE	GLYATL2	304.5000	2
139553	2.3069	0.0000	0.4335	1.0000	2	5	FALSE	ZNF260	277.5000	2
139580	2.1825	0.0000	0.4582	1.0000	2	5	FALSE	WDFY3-AS2	308.5000	2
139744	2.1958	0.0000	0.4554	1.0000	2	5	FALSE	DSP	297.5000	2
141365	3.7222	0.0000	0.2687	1.0000	2	7	FALSE	SERPINF1	15.5000	2
141396	2.9550	0.0000	0.3384	1.0000	2	6	FALSE	CTSK	32.0000	2
142047	2.2169	0.0000	0.4511	1.0000	2	5	FALSE	GNAQ	287.0000	2
142191	2.2011	0.0000	0.4543	1.0000	2	5	FALSE	ADCY9	268.5000	2
142266	2.2011	0.0000	0.4543	1.0000	2	5	FALSE	SPG20	305.5000	2
142401	2.1825	0.0000	0.4582	1.0000	2	5	FALSE	CPAMD8	308.5000	2
143905	3.5926	0.0000	0.2784	1.0000	2	7	FALSE	COL18A1	38.0000	2
147383	2.9788	0.0000	0.3357	1.0000	2	5	FALSE	GPR116	45.0000	2
148474	2.8571	0.0000	0.3500	1.0000	2	6	FALSE	SRPX2	47.0000	2
149136	3.0476	0.0000	0.3281	1.0000	2	5	FALSE	CYP2B7P	25.0000	2
150214	4.8862	0.0000	0.2047	1.0000	2	7	FALSE	LINC00261	4.5000	2
150298	2.8254	0.0000	0.3539	1.0000	2	6	FALSE	PDLIM4	58.0000	2
139214	2.2196	0.0000	0.4505	0.0000	1	5	FALSE	PDE8B	305.0000	1
142153	2.2037	0.0000	0.4538	0.0000	1	5	FALSE	DAPK1	312.0000	1
142165	2.2037	0.0000	0.4538	0.0000	1	5	FALSE	GGH	312.0000	1
142218	2.2037	0.0000	0.4538	0.0000	1	5	FALSE	GCNT1	312.0000	1
142788	2.9471	0.0000	0.3393	0.0000	1	6	FALSE	UNC13B	38.0000	1
144411	3.8042	0.0000	0.2629	0.0000	1	7	FALSE	MXRA8	14.0000	1

144537	2.2196	0.0000	0.4505	0.0000	1	5	FALSE	TDO2	305.0000	1
146354	2.8836	0.0000	0.3468	0.0000	1	6	FALSE	NRK	61.0000	1
149532	3.7249	0.0000	0.2685	0.0000	1	7	FALSE	SFRP2	16.0000	1
150409	2.8598	0.0000	0.3497	0.0000	1	6	FALSE	NEDD4L	70.0000	1
150451	3.0767	0.0000	0.3250	0.0000	1	5	FALSE	AHCYL2	29.0000	1
152183	3.0079	0.0000	0.3325	0.0000	1	6	FALSE	SYNDIG1	19.0000	1
152328	2.3889	0.0000	0.4186	0.0000	1	5	FALSE	ALG6	247.0000	1
153130	2.8598	0.0000	0.3497	0.0000	1	6	FALSE	DERL3	70.0000	1
153132	2.8598	0.0000	0.3497	0.0000	1	6	FALSE	LOC101929340	70.0000	1
153216	1.0000	0.0000	1.0000	0.0000	1	1	FALSE	DUXAP10 /// LINC01296 BC017398 /// CTD- 2314B22.3 ///	1.0000	1
153217	1.0000	0.0000	1.0000	0.0000	1	1	FALSE	DQ786293 /// DUXAP10 /// LL22NC03- N64E9.1	1.0000	1