

# Appendix A

## Prediction results

Table A.1. List of predicted interactions in the dataset reported by Ito et al. [35].

No.	ORF1	Gene Name1	ORF2	Gene Name2	IST hit	SVM score
1	YOR181W	LAS17	YDR388W	RVS167	2	2.46018
2	YBR254C	TRS20	YDR472W	TRS31	23	1.90983
3	YDL130W	RPP1B	YDR382W	RPP2B	1	1.72605
4	YBR254C	TRS20	YKR068C	BET3	4	1.64551
5	YKR068C	BET3	YBR254C	TRS20	1	1.64467
6	YOR181W	LAS17	YGR136W	YGR136W	10	1.59523
7	YOR117W	RPT5	YOR259C	RPT4	2	1.38980
8	YLR423C	APG17	YLR423C	APG17	4	1.31422
9	YNL263C	YIF1	YNL044W	YIP3	4	1.29738
10	YDR020C	YDR020C	YDR020C	YDR020C	6	1.28778
11	YNL147W	LSM7	YER146W	LSM5	1	1.26430
12	YOR117W	RPT5	YDR394W	RPT3	3	1.20642
13	YIL109C	SEC24	YPR181C	SEC23	1	1.18719
14	YNL263C	YIF1	YGR172C	YIP1	3	1.17327
15	YDR378C	LSM6	YER146W	LSM5	1	1.15135
16	YIR038C	GTT1	YIR038C	GTT1	2	1.10524
17	YHR107C	CDC12	YDL225W	YDL225W	1	1.09960
18	YOR157C	PUP1	YER094C	PUP3	1	1.08907
19	YPL259C	APM1	YKL135C	APL2	5	1.07955
20	YBR135W	CKS1	YLR210W	CLB4	2	1.06715
21	YER081W	SER3	YER081W	SER3	9	1.04111
22	YLR340W	RPP0	YDR382W	RPP2B	1	1.02925
23	YMR095C	SNO1	YFL059W	SNZ3	11	1.01378
24	YPR119W	CLB2	YBR135W	CKS1	2	1.01291
25	YGR218W	CRM1	YKL068W	NUP100	1	1.00509
26	YOR159C	SME1	YPR182W	SMX3	17	1.00395
27	YNL334C	SNO2	YFL059W	SNZ3	4	1.00354
28	YBL049W	YBL049W	YGR172C	YIP1	1	1.00234
29	YDR388W	RVS167	YCR009C	RVS161	22	1.00217
30	YGR172C	YIP1	YNL044W	YIP3	2	1.00136
31	YNL049C	SFB2	YPR181C	SEC23	5	1.00091
32	YBL045C	COR1	YPR191W	QCR2	11	1.00038
33	YPR191W	QCR2	YBL045C	COR1	3	0.99957
34	YBL049W	YBL049W	YIL034C	CAP2	1	0.99863
35	YFL059W	SNZ3	YFL059W	SNZ3	2	0.99709
36	YOR181W	LAS17	YJL100W	YJL100W	2	0.99701
37	YDR313C	PIB1	YNL044W	YIP3	1	0.99604
38	YBR217W	APG12	YLR423C	APG17	3	0.99602
39	YKL103C	LAP4	YKL103C	LAP4	11	0.99547
40	YNL099C	YNL099C	YNL032W	SIW14	22	0.99536
41	YMR236W	TAF17	YGL112C	TAF60	11	0.99515
42	YGL112C	TAF60	YMR236W	TAF17	44	0.99494
43	YFL003C	MSH4	YDL154W	MSH5	3	0.99472
44	YKR026C	GCN3	YKR026C	GCN3	13	0.99461
45	YGL237C	HAP2	YLR423C	APG17	35	0.99459
46	YDL116W	NUP84	YGL092W	NUP145	2	0.99423
47	YDR477W	SNF1	YER027C	GAL83	6	0.99413
48	YHR171W	APG7	YNR007C	AUT1	2	0.99406
49	YFR047C	YFR047C	YFR047C	YFR047C	4	0.99404
50	YJL097W	YJL097W	YIR038C	GTT1	1	0.99400
51	YML022W	APT1	YDR441C	APT2	1	0.99399
52	YML077W	BET5	YDR472W	TRS31	1	0.99395
53	YPR108W	RPN7	YER021W	RPN3	10	0.99335
54	YNL044W	YIP3	YNL044W	YIP3	41	0.99332
55	YNL333W	SNZ2	YFL059W	SNZ3	3	0.99316
56	YBR170C	NPL4	YGR048W	UFD1	20	0.99311
57	YNR007C	AUT1	YHR171W	APG7	10	0.99308
58	YLR345W	YLR345W	YLR321C	SFH1	5	0.99299

No.	ORF1	Gene Name1	ORF2	Gene Name2	IST hit	SVM score
59	YOL094C	RFC4	YNL290W	RFC3	6	0.99295
60	YBR135W	CKS1	YBR160W	CDC28	6	0.99291
61	YGR048W	UFD1	YBR170C	NPL4	7	0.99287
62	YLR291C	GCD7	YGR083C	GCD2	3	0.99280
63	YDR328C	SKP1	YNL311C	YNL311C	1	0.99272
64	YLR291C	GCD7	YKR026C	GCN3	5	0.99268
65	YML098W	TAF19	YDR167W	TAF25	2	0.99267
66	YLR245C	CDD1	YLR245C	CDD1	9	0.99262
67	YOR061W	CKA2	YOR039W	CKB2	1	0.99258
68	YHR113W	YHR113W	YHR113W	YHR113W	19	0.99255
69	YLR362W	STE11	YCL032W	STE50	5	0.99244
70	YCL032W	STE50	YLR362W	STE11	25	0.99241
71	YNL334C	SNO2	YNL333W	SNZ2	5	0.99237
72	YBR133C	HSL7	YJL187C	SWE1	1	0.99237
73	YER081W	SER3	YIL074C	SER33	2	0.99227
74	YPL195W	APL5	YJL024C	APS3	1	0.99226
75	YBR160W	CDC28	YBR135W	CKS1	2	0.99190
76	YML064C	TEM1	YLR423C	APG17	4	0.99188
77	YMR095C	SNO1	YNL333W	SNZ2	3	0.99181
78	YLR026C	SED5	YDR189W	SLY1	3	0.99165
79	YDR280W	RRP45	YGR195W	SKI6	1	0.99164
80	YGR158C	MTR3	YDL111C	RRP42	2	0.99158
81	YLR328W	YLR328W	YLR328W	YLR328W	19	0.99148
82	YNL333W	SNZ2	YMR095C	SNO1	2	0.99128
83	YMR042W	ARGR1	YML099C	ARGR2	2	0.99121
84	YMR055C	BUB2	YER143W	DDI1	2	0.99115
85	YDR328C	SKP1	YOR057W	SGT1	1	0.99109
86	YNL152W	YNL152W	YMR032W	HOF1	26	0.99106
87	YML064C	TEM1	YKL067W	YNK1	8	0.99101
88	YNR007C	AUT1	YBL078C	AUT7	5	0.99096
89	YPL111W	CAR1	YPL111W	CAR1	2	0.99069
90	YFR002W	NIC96	YMR153W	NUP53	2	0.99047
91	YBR135W	CKS1	YGR108W	CLB1	3	0.99041
92	YDL111C	RRP42	YGR158C	MTR3	1	0.99011
93	YPL149W	APG5	YBR217W	APG12	3	0.99006
94	YDR020C	YDR020C	YNR012W	URK1	13	0.98981
95	YJR113C	YJR113C	YJR063W	RPA12	1	0.98971
96	YNR012W	URK1	YDR020C	YDR020C	21	0.98963
97	YAR027W	YAR027W	YAR027W	YAR027W	1	0.98961
98	YNL056W	YNL056W	YNL032W	SIW14	24	0.98939
99	YNL075W	IMP4	YJR002W	MPP10	1	0.98929
100	YNL333W	SNZ2	YNL333W	SNZ2	2	0.98900
101	YNR007C	AUT1	YBR217W	APG12	1	0.98840
102	YDL159W	STE7	YGR040W	KSS1	2	0.98813
103	YOR111W	YOR111W	YOR111W	YOR111W	3	0.98781
104	YGL037C	PNC1	YGL037C	PNC1	1	0.98670
105	YGR267C	FOL2	YGR267C	FOL2	2	0.98588
106	YBL056W	PTC3	YDR071C	YDR071C	4	0.98495
107	YKL067W	YNK1	YKL067W	YNK1	1	0.98479
108	YPR104C	FHL1	YDR174W	HMO1	4	0.98459
109	YGL237C	HAP2	YBL021C	HAP3	10	0.98432
110	YOL006C	TOP1	YMR233W	YMR233W	6	0.98408
111	YHL018W	YHL018W	YHL018W	YHL018W	1	0.98347
112	YEL066W	HPA3	YEL066W	HPA3	25	0.98265
113	YPR173C	VPS4	YLR025W	SNF7	3	0.98233
114	YDR252W	BTT1	YHR193C	EGD2	1	0.97976
115	YML098W	TAF19	YDR174W	HMO1	2	0.97859
116	YDR510W	SMT3	YDR510W	SMT3	1	0.97632
117	YLR340W	RPP0	YDL081C	RPP1A	19	0.97622
118	YDL064W	UBC9	YDR510W	SMT3	1	0.97413
119	YLR025W	SNF7	YLR025W	SNF7	1	0.97255
120	YNL056W	YNL056W	YNL099C	YNL099C	23	0.97194
121	YMR095C	SNO1	YMR096W	SNZ1	20	0.95667
122	YLR306W	UBC12	YDR139C	RUB1	1	0.95096
123	YHR098C	SFB3	YPR181C	SEC23	2	0.95032
124	YDR329C	PEX3	YDL065C	PEX19	2	0.94226
125	YGL237C	HAP2	YOR358W	HAP5	4	0.93139
126	YGL198W	YGL198W	YGR172C	YIP1	2	0.92527
127	YMR096W	SNZ1	YFL059W	SNZ3	17	0.92154
128	YPL203W	PKA3	YIL033C	SRA1	3	0.91732
129	YMR096W	SNZ1	YNL333W	SNZ2	4	0.90911
130	YNL333W	SNZ2	YMR096W	SNZ1	2	0.90859
131	YIL074C	SER33	YIL074C	SER33	3	0.89281
132	YGR158C	MTR3	YLR345W	YLR345W	3	0.88670
133	YML098W	TAF19	YML015C	TAF40	20	0.88158
134	YJR076C	CDC11	YHR107C	CDC12	2	0.84374
135	YHR107C	CDC12	YJR076C	CDC11	9	0.84370
136	YBR264C	YPT10	YOR370C	MRS6	1	0.83726
137	YLR340W	RPP0	YDL130W	RPP1B	6	0.83345
138	YGR010W	YGR010W	YLR328W	YLR328W	20	0.82677
139	YLR328W	YLR328W	YGR010W	YGR010W	16	0.82603
140	YHL019C	APM2	YKL135C	APL2	26	0.82428
141	YPR029C	APL4	YKL135C	APL2	16	0.81837
142	YHR171W	APG7	YBR217W	APG12	3	0.81783
143	YBR288C	APM3	YGR261C	APL6	5	0.81723
144	YOR167C	RPS28A	YBR094W	YBR094W	1	0.81212
145	YLR275W	SMD2	YPR182W	SMX3	5	0.80992
146	YMR047C	NUP116	YLR078C	BOS1	1	0.79963
147	YMR186W	HSC82	YLR319C	BUD6	1	0.78763

No.	ORF1	Gene Name1	ORF2	Gene Name2	IST hit	SVM score
148	YOL069W	NUF2	YIL144W	TID3	3	0.78539
149	YGR218W	CRM1	YDL065C	PEX19	6	0.78040
150	YAR027W	YAR027W	YBR135W	CKS1	1	0.77405
151	YMR047C	NUP116	YKL068W	NUP100	3	0.77337
152	YOR358W	HAP5	YBL021C	HAP3	10	0.75585
153	YER094C	PUP3	YCL009C	ILV6	1	0.74243
154	YGR218W	CRM1	YPL120W	VPS30	2	0.73757
155	YJR076C	CDC11	YDR218C	SPR28	1	0.73255
156	YML064C	TEM1	YKR014C	YPT52	1	0.70840
157	YML064C	TEM1	YGL221C	NIF3	6	0.70194
158	YNR012W	URK1	YNR012W	URK1	4	0.68744
159	YML064C	TEM1	YOR020C	HSP10	6	0.66481
160	YPR041W	TIF5	YDR224C	HTB1	1	0.66318
161	YKR068C	BET3	YDR472W	TRS31	9	0.66227
162	YMR047C	NUP116	YOR344C	TYE7	1	0.65896
163	YFL023W	YFL023W	YLR200W	YKE2	44	0.63453
164	YLR200W	YKE2	YFL023W	YFL023W	4	0.62932
165	YBL068W	PRS4	YOL061W	PRS5	4	0.61567
166	YER099C	PRS2	YOL061W	PRS5	8	0.60503
167	YOL061W	PRS5	YER099C	PRS2	50	0.60377
168	YMR047C	NUP116	YDL065C	PEX19	6	0.57712
169	YNL088W	TOP2	YDR510W	SMT3	2	0.57600
170	YDR311W	TFB1	YLR423C	APG17	9	0.54791
171	YDL059C	RAD59	YFL059W	SNZ3	2	0.51999
172	YJR125C	ENT3	YOR111W	YOR111W	14	0.50718
173	YCR033W	YCR033W	YGR172C	YIP1	1	0.49955
174	YAR033W	YAR033W	YAR033W	YAR033W	4	0.48376
175	YMR047C	NUP116	YCL039W	YCL039W	1	0.47817
176	YHR114W	BZZ1	YLR105C	SEN2	1	0.47266
177	YOR007C	SGT2	YOL111C	YOL111C	2	0.46983
178	YBR170C	NPL4	YDL126C	CDC48	4	0.46536
179	YKL166C	TPK3	YIL033C	SRA1	10	0.45445
180	YLR347C	KAP95	YIL033C	SRA1	1	0.45143
181	YPR072W	NOT5	YPL043W	NOP4	1	0.44392
182	YJL164C	TPK1	YIL033C	SRA1	4	0.44022
183	YER081W	SER3	YOR388C	FDH1	1	0.43176
184	YKL181W	PRS1	YER099C	PRS2	1	0.35390
185	YER099C	PRS2	YKL181W	PRS1	3	0.35346
186	YNL243W	SLA2	YKL068W	NUP100	1	0.35264
187	YBR198C	TAF90	YGL112C	TAF60	1	0.33542
188	YHR030C	SLT2	YLR268W	SEC22	1	0.33304
189	YPL002C	SNF8	YLR417W	VPS36	10	0.32967
190	YMR047C	NUP116	YLR196W	PWP1	1	0.32930
191	YLR014C	PPR1	YLR014C	PPR1	1	0.31728
192	YDR311W	TFB1	YKL103C	LAP4	19	0.31715
193	YMR047C	NUP116	YOR213C	SAS5	1	0.31247
194	YLR423C	APG17	YNL182C	YNL182C	10	0.31175
195	YNL182C	YNL182C	YLR423C	APG17	36	0.31098
196	YPR051W	MAK3	YEL053C	MAK10	9	0.30580
197	YJL110C	GZF3	YNL021W	HDA1	1	0.30410
198	YKL181W	PRS1	YHL011C	PRS3	3	0.29808
199	YNR006W	VPS27	YHL002W	YHL002W	4	0.29768
200	YHL002W	YHL002W	YNR006W	VPS27	13	0.29599
201	YML064C	TEM1	YPR191W	QCR2	2	0.27540
202	YHL019C	APM2	YPR029C	APL4	1	0.27141
203	YJL041W	NSP1	YLR423C	APG17	2	0.26991
204	YPR029C	APL4	YHL019C	APM2	1	0.26836
205	YNL331C	AAD14	YNL331C	AAD14	44	0.24792
206	YMR047C	NUP116	YML007W	YAP1	5	0.23444
207	YML054C	TEM1	YNR012W	URK1	1	0.22115
208	YLR170C	APS1	YPR029C	APL4	8	0.20991
209	YPR029C	APL4	YLR170C	APS1	8	0.20797
210	YMR032W	HOF1	YLR423C	APG17	2	0.19977
211	YPL051W	ARL3	YKR030W	YKR030W	2	0.18992
212	YLR347C	KAP95	YKL067W	YNK1	3	0.18779
213	YMR125W	STO1	YPL178W	CBC2	3	0.18163
214	YNL329C	PEX6	YKL197C	PEX1	20	0.18134
215	YNL189W	SRP1	YDR510W	SMT3	4	0.17458
216	YGL161C	YGL161C	YGL198W	YGL198W	47	0.17083
217	YGL198W	YGL198W	YGL161C	YGL161C	57	0.16954
218	YDL006W	PTC1	YDR162C	NBP2	3	0.16386
219	YMR047C	NUP116	YHL009C	YAP3	1	0.16239
220	YKL012W	PRP40	YDR448W	ADA2	1	0.15995
221	YIL034C	CAP2	YDL165W	CDC36	2	0.15413
222	YOR020C	HSP10	YOR020C	HSP10	11	0.15214
223	YMR047C	NUP116	YOL111C	YOL111C	1	0.14787
224	YMR047C	NUP116	YBR217W	APG12	2	0.12350
225	YMR047C	NUP116	YER107C	GLE2	4	0.11486
226	YPR107C	YTH1	YJR093C	FIP1	3	0.10603
227	YNL189W	SRP1	YER177W	BMH1	1	0.10259
228	YDR311W	TFB1	YHR113W	YHR113W	2	0.09433
229	YLR423C	APG17	YOR232W	MGE1	2	0.09074
230	YMR236W	TAF17	YLR197W	SIK1	1	0.08541
231	YMR047C	NUP116	YDR510W	SMT3	1	0.06730
232	YMR047C	NUP116	YGR080W	TWF1	1	0.06647
233	YLR347C	KAP95	YKR048C	NAP1	1	0.06505
234	YFL023W	YFL023W	YBR154C	RPB5	35	0.06491
235	YBR154C	RPB5	YFL023W	YFL023W	1	0.06341
236	YMR047C	NUP116	YDR207C	UME6	1	0.05497

No.	ORF1	Gene Name1	ORF2	Gene Name2	IST hit	SVM score
237	YML064C	TEM1	YHR113W	YHR113W	9	0.04315
238	YKR055W	RHO4	YDL135C	RDI1	2	0.04287
239	YGR218W	CRM1	YML007W	YAP1	19	0.04260
240	YAR018C	KIN3	YAR018C	KIN3	1	0.02996
241	YDL243C	AAD4	YNL331C	AAD14	1	0.02864
242	YLR116W	MSL5	YPL105C	YPL105C	1	0.02229
243	YHR166C	CDC23	YDR448W	ADA2	1	0.02142
244	YPR086W	SUA7	YJR065C	ARP3	1	0.01680
245	YMR047C	NUP116	YER136W	GDI1	2	0.01533
246	YMR153W	NUP53	YGL092W	NUP145	2	0.01466
247	YNR052C	POP2	YDR259C	YAP6	1	0.01185
248	YML064C	TEM1	YBR072W	HSP26	6	0.01175
249	YKL002W	YKL002W	YLR423C	APG17	31	0.00972
250	YCR095C	YCR095C	YNL099C	YNL099C	5	0.00689
251	YHR114W	BZZ1	YML121W	GTR1	1	0.00460
252	YML064C	TEM1	YNL044W	YIP3	5	-0.01408
253	YMR047C	NUP116	YKL088W	YKL088W	1	-0.01505
254	YJL036W	SNX4	YLR423C	APG17	15	-0.01669
255	YMR054W	STV1	YIL142W	CCT2	1	-0.02393
256	YMR047C	NUP116	YOR112W	YOR112W	3	-0.05025
257	YDR034C	LYS14	YLR098C	CHA4	1	-0.05556
258	YMR205C	PFK2	YGR240C	PFK1	2	-0.07059
259	YML064C	TEM1	YLR321C	SFH1	1	-0.07794
260	YML064C	TEM1	YHR025W	THR1	3	-0.09586
261	YBR260C	RGD1	YMR032W	HOF1	3	-0.10410
262	YDR259C	YAP6	YLR423C	APG17	10	-0.10813
263	YLR423C	APG17	YDR259C	YAP6	6	-0.11016
264	YNL189W	SRP1	YIL033C	SRA1	1	-0.11135
265	YMR213W	CEF1	YLR423C	APG17	1	-0.11684
266	YNR068C	YNR068C	YNR069C	YNR069C	3	-0.12047
267	YFR037C	RSC8	YLR321C	SFH1	1	-0.12329
268	YKR034W	DAL80	YNL021W	HDA1	2	-0.13164
269	YJR091C	JSN1	YOL072W	THP1	2	-0.13620
270	YML064C	TEM1	YKL035W	UGP1	3	-0.14011
271	YML064C	TEM1	YLR328W	YLR328W	6	-0.14288
272	YLR045C	STU2	YCL029C	BIK1	1	-0.14508
273	YPL169C	MEX67	YBR072W	HSP26	2	-0.15048
274	YHR114W	BZZ1	YLR309C	IMH1	1	-0.15148
275	YER144C	UBP5	YMR032W	HOF1	6	-0.15326
276	YMR032W	HOF1	YER144C	UBP5	15	-0.15344
277	YML064C	TEM1	YPL111W	CAR1	3	-0.15546
278	YML064C	TEM1	YJL218W	YJL218W	5	-0.15906
279	YGL237C	HAP2	YMR153W	NUP53	1	-0.17196
280	YLR347C	KAP95	YML007W	YAP1	1	-0.17288
281	YLR026C	SED5	YIR038C	GTT1	1	-0.17463
282	YLR208W	SEC13	YGL092W	NUP145	1	-0.18058
283	YLR291C	GCD7	YLR423C	APG17	2	-0.18567
284	YHR114W	BZZ1	YJL047C	RTT101	1	-0.18757
285	YML064C	TEM1	YKL103C	LAP4	27	-0.18840
286	YCL032W	STE50	YLR423C	APG17	19	-0.19861
287	YHR114W	BZZ1	YKL007W	CAP1	1	-0.20822
288	YCL067C	ALPHA2	YOL006C	TOP1	1	-0.21197
289	YML064C	TEM1	YOR232W	MGE1	1	-0.22937
290	YMR232W	FUS2	YCR009C	RV5161	5	-0.23186
291	YGL161C	YGL161C	YGR172C	YIP1	2	-0.23247
292	YHR114W	BZZ1	YOR224C	RPB8	1	-0.23573
293	YJL218W	YJL218W	YJL218W	YJL218W	7	-0.24107
294	YDR034C	LYS14	YDL065C	PEX19	1	-0.24273
295	YNL189W	SRP1	YKL067W	YNK1	3	-0.24282
296	YMR047C	NUP116	YNR007C	AUT1	1	-0.24820
297	YKR014C	YPT52	YDR164C	SEC1	1	-0.24933
298	YPR086W	SUA7	YNL288W	YNL288W	1	-0.25654
299	YDR259C	YAP6	YKR048C	NAP1	1	-0.26644
300	YMR047C	NUP116	YDL081C	RPP1A	1	-0.26979
301	YLR347C	KAP95	YDR418W	RPL12B	1	-0.27049
302	YMR047C	NUP116	YGL236C	MTO1	1	-0.27817
303	YER144C	UBP5	YBR059C	AKL1	2	-0.30004
304	YPR086W	SUA7	YIL033C	SRA1	1	-0.30087
305	YPR104C	FHL1	YDR510W	SMT3	1	-0.31394
306	YDL167C	NRP1	YBR212W	NGR1	3	-0.31922
307	YDR311W	TFB1	YIL144W	TID3	1	-0.33459
308	YLR277C	YSH1	YDR045C	RPC11	1	-0.33522
309	YMR047C	NUP116	YCL027W	FUS1	1	-0.33978
310	YHR114W	BZZ1	YPL174C	NIP100	1	-0.34318
311	YDR323C	PEP7	YKR014C	YPT52	1	-0.34383
312	YMR047C	NUP116	YOR020C	HSP10	1	-0.35092
313	YNL189W	SRP1	YNL333W	SNZ2	2	-0.35651
314	YNL189W	SRP1	YFL059W	SNZ3	8	-0.36158
315	YNL020C	ARK1	YDR259C	YAP6	1	-0.37149
316	YDR034C	LYS14	YKR048C	NAP1	2	-0.37307
317	YBL016W	FUS3	YDR469W	YDR469W	1	-0.37537
318	YHR114W	BZZ1	YER125W	RSP5	2	-0.38628
319	YLR147C	SMD3	YJR103W	URA8	1	-0.38662
320	YMR047C	NUP116	YDR423C	CAD1	3	-0.39710
321	YML064C	TEM1	YGR267C	FOL2	2	-0.40017
322	YHR114W	BZZ1	YIL045W	PIG2	2	-0.40253
323	YOR275C	YOR275C	YLR025W	SNF7	15	-0.40719
324	YJR090C	GRR1	YMR032W	HOF1	2	-0.42043
325	YNL099C	YNL099C	YMR236W	TAF17	2	-0.42106



No.	ORF1	Gene Name1	ORF2	Gene Name2	IST hit	SVM score
326	YOR319W	HSH49	YGL244W	RTF1	1	-0.42438
327	YOR191W	RIS1	YDR510W	SMT3	1	-0.42749
328	YMR047C	NUP116	YPR172W	YPR172W	1	-0.42948
329	YMR047C	NUP116	YOR157C	PUP1	1	-0.43007
330	YMR047C	NUP116	YGL229C	SAP4	1	-0.43258
331	YML092C	PRE8	YOR020C	HSP10	2	-0.43785
332	YIL007C	YIL007C	YOR117W	RPT5	3	-0.44560
333	YOR117W	RPT5	YIL007C	YIL007C	4	-0.44870
334	YLR208W	SEC13	YDL195W	SEC31	5	-0.45206
335	YBL002W	HTB2	YCL066W	ALPHA1	1	-0.45541
336	YHR114W	BZZ1	YGL236C	MTO1	2	-0.45567
337	YJR091C	JSN1	YGR172C	YIP1	2	-0.45854
338	YML064C	TEM1	YNL331C	AAD14	1	-0.46091
339	YHR114W	BZZ1	YLR136C	TIS11	1	-0.46243
340	YNL189W	SRP1	YPR191W	QCR2	1	-0.46492
341	YOR164C	YOR164C	YLR423C	APG17	1	-0.46548
342	YMR047C	NUP116	YLR397C	AFG2	1	-0.46715
343	YHR030C	SLT2	YLR147C	SMD3	1	-0.46716
344	YOL018C	TLG2	YMR153W	NUP53	1	-0.46891
345	YGL112C	TAF60	YNL016W	PUB1	1	-0.46900
346	YBR059C	AKL1	YBR059C	AKL1	4	-0.47777
347	YMR047C	NUP116	YOR362C	PRE10	1	-0.47936
348	YHR114W	BZZ1	YDR422C	SIP1	5	-0.47982
349	YPR086W	SUA7	YNL062C	GCD10	1	-0.48000
350	YHR114W	BZZ1	YDR148C	KGD2	1	-0.48513
351	YHR114W	BZZ1	YOL018C	TLG2	3	-0.48518
352	YCL029C	BIK1	YER016W	BIM1	4	-0.48626
353	YNL189W	SRP1	YOR020C	HSP10	13	-0.48938
354	YLR347C	KAP95	YNL044W	YIP3	1	-0.48958
355	YER118C	SHO1	YER118C	SHO1	8	-0.49220
356	YNL189W	SRP1	YKL103C	LAP4	4	-0.49261
357	YML064C	TEM1	YLR377C	FBP1	3	-0.50321
358	YHR114W	BZZ1	YER159C	BUR6	1	-0.50599
359	YHL004W	MRP4	YLR423C	APG17	52	-0.50787
360	YNL189W	SRP1	YGR136W	YGR136W	4	-0.51223
361	YML064C	TEM1	YJR159W	SOR1	2	-0.52039
362	YHR114W	BZZ1	YPL111W	CAR1	1	-0.52228
363	YJR063W	RPA12	YBL050W	SEC17	1	-0.52307
364	YML064C	TEM1	YLR245C	CDD1	2	-0.52560
365	YGL013C	PDR1	YGL013C	PDR1	1	-0.52644
366	YMR047C	NUP116	YDR490C	PKH1	1	-0.52701
367	YJR091C	JSN1	YMR199W	CLN1	2	-0.53018
368	YNL189W	SRP1	YCL011C	GBP2	1	-0.54074
369	YHR114W	BZZ1	YDL134C	PPH21	6	-0.54076
370	YOR275C	YOR275C	YPR173C	VPS4	6	-0.54312
371	YIL045W	PIG2	YOR178C	GAC1	2	-0.54336
372	YNL189W	SRP1	YHL009C	YAP3	2	-0.54389
373	YPR054W	SMK1	YPR191W	QCR2	1	-0.54797
374	YLR447C	VMA6	YPL050C	MNN9	1	-0.55293
375	YML064C	TEM1	YDL224C	WHI4	1	-0.55521
376	YBR195C	MSI1	YLR418C	CDC73	1	-0.55735
377	YLR347C	KAP95	YEL066W	HPA3	1	-0.55803
378	YNL189W	SRP1	YNL044W	YIP3	4	-0.57090
379	YCR038C	BUD5	YDL065C	PEX19	1	-0.57320
380	YMR047C	NUP116	YIL074C	SER33	1	-0.57388
381	YDR311W	TFB1	YGL198W	YGL198W	1	-0.57554
382	YIL034C	CAP2	YBR173C	UMP1	1	-0.58386
383	YOR380W	YOR380W	YOR380W	YOR380W	6	-0.58622
384	YNL189W	SRP1	YGR267C	FOL2	14	-0.58719
385	YLR291C	GCD7	YDR448W	ADA2	1	-0.58832
386	YLR291C	GCD7	YHL018W	YHL018W	2	-0.58988
387	YER081W	SER3	YFL037W	TUB2	1	-0.59146
388	YER081W	SER3	YOR362C	PRE10	1	-0.59551
389	YNL189W	SRP1	YDR174W	HMO1	13	-0.59707
390	YJR091C	JSN1	YJL110C	GZF3	1	-0.59740
391	YER081W	SER3	YPR016C	CDC95	1	-0.60041
392	YPR086W	SUA7	YLR045C	STU2	1	-0.60305
393	YNL244C	SUI1	YDR128W	YDR128W	1	-0.60422
394	YML064C	TEM1	YHR111W	YHR111W	1	-0.60559
395	YMR047C	NUP116	YKL079W	SMY1	2	-0.60597
396	YKL035W	UGP1	YKL035W	UGP1	1	-0.60842
397	YPR086W	SUA7	YPL051W	ARL3	1	-0.60939
398	YHR114W	BZZ1	YGL037C	PNC1	1	-0.61148
399	YGL187C	COX4	YGL213C	SKI8	5	-0.61307
400	YJR091C	JSN1	YDL147W	RPN5	3	-0.61407
401	YLR347C	KAP95	YFR047C	YFR047C	1	-0.61725
402	YJR091C	JSN1	YDR167W	TAF25	1	-0.62570
403	YHR114W	BZZ1	YDR069C	DOA4	2	-0.62576
404	YMR068W	YMR068W	YLR423C	APG17	1	-0.62874
405	YHR114W	BZZ1	YNR035C	ARC35	1	-0.62942
406	YHR114W	BZZ1	YJL203W	PRP21	5	-0.63123
407	YLR347C	KAP95	YPL111W	CAR1	1	-0.63229
408	YLR447C	VMA6	YDR484W	SAC2	1	-0.63397
409	YPR086W	SUA7	YGR005C	TFG2	1	-0.63470
410	YGL044C	RNA15	YNL044W	YIP3	1	-0.63513
411	YJR063W	RPA12	YDR178W	SDH4	1	-0.63918
412	YOL115W	TRF4	YNL039W	TFC5	1	-0.64130
413	YDR034C	LYS14	YAR007C	RFA1	1	-0.64511
414	YHR114W	BZZ1	YCR035C	RRP43	5	-0.65077

No.	ORF1	Gene Name1	ORF2	Gene Name2	IST hit	SVM score
415	YER063W	THO1	YDL084W	SUB2	8	-0.65349
416	YDL113C	YDL113C	YPL174C	NIP100	1	-0.65373
417	YFL023W	YFL023W	YER133W	GLC7	1	-0.65897
418	YJR031C	GEA1	YFR037C	RSC8	2	-0.65924
419	YMR199W	CLN1	YGR211W	ZPR1	1	-0.66487
420	YNR012W	URK1	YDR510W	SMT3	1	-0.66775
421	YDR397C	NCB2	YER159C	BUR6	1	-0.66826
422	YMR047C	NUP116	YJR019C	TES1	1	-0.67205
423	YDR484W	SAC2	YGR245C	SDA1	1	-0.67396
424	YDR172W	SUP35	YOR297C	TIM18	1	-0.67537
425	YNL311C	YNL311C	YKL001C	MET14	3	-0.67684
426	YHR114W	BZZ1	YNR007C	AUT1	1	-0.67966
427	YBR198C	TAF90	YHR137W	ARO9	1	-0.68436
428	YAL036C	YAL036C	YDL065C	PEX19	1	-0.68442
429	YNL189W	SRP1	YGL221C	NIF3	14	-0.68644
430	YMR047C	NUP116	YDR091C	RLI1	1	-0.68895
431	YMR153W	NUP53	YMR153W	NUP53	5	-0.69289
432	YMR047C	NUP116	YOR289W	YOR289W	3	-0.69429
433	YNL189W	SRP1	YFR047C	YFR047C	3	-0.69580
434	YMR047C	NUP116	YOR064C	YNG1	1	-0.69961
435	YLR177W	YLR177W	YPL203W	PKA3	1	-0.70049
436	YDR034C	LYS14	YJR075W	HOC1	1	-0.70366
437	YPR086W	SUA7	YHR172W	SPC97	1	-0.70524
438	YNL189W	SRP1	YPR182W	SMX3	2	-0.70648
439	YNL189W	SRP1	YDR148C	KGD2	2	-0.70662
440	YGR048W	UPD1	YHR039C-A	VMA10	1	-0.71141
441	YEL036C	ANP1	YOL038W	PRE6	1	-0.71530
442	YPR086W	SUA7	YOR064C	YNG1	1	-0.71554
443	YBL066C	SEF1	YDR099W	BMH2	2	-0.71672
444	YHR030C	SLT2	YLR262C	YPT6	1	-0.71721
445	YNL189W	SRP1	YBR072W	HSP26	15	-0.71870
446	YPL222W	YPL222W	YOR232W	MGE1	2	-0.71897
447	YNL189W	SRP1	YPL111W	CAR1	3	-0.72098
448	YPL240C	HSP82	YIR042C	YIR042C	1	-0.72905
449	YJR091C	JSN1	YJL047C	RTT101	1	-0.72914
450	YJL047C	RTT101	YFL059W	SNZ3	1	-0.73015
451	YOR159C	SME1	YLR182W	SWI6	1	-0.73289
452	YCL040W	GLK1	YCL040W	GLK1	7	-0.73822
453	YGL044C	RNA15	YMR153W	NUP53	1	-0.74145
454	YDR034C	LYS14	YLR105C	SEN2	1	-0.74309
455	YDR311W	TFB1	YDR259C	YAP6	6	-0.74946
456	YNL189W	SRP1	YNL182C	YNL182C	1	-0.76134
457	YLR447C	VMA6	YMR127C	SAS2	1	-0.76291
458	YGR092W	DBF2	YIL106W	MOB1	15	-0.76409
459	YNL263C	YIF1	YPR028W	YIP2	1	-0.76445
460	YHR114W	BZZ1	YPL152W	RRD2	2	-0.76543
461	YDL147W	RPN5	YDR341C	YDR341C	1	-0.76599
462	YPR086W	SUA7	YPL002C	SNF8	2	-0.76822
463	YMR240C	CUS1	YOR123C	LEO1	1	-0.76886
464	YGR271W	YGR271W	YER049W	YER049W	1	-0.77041
465	YER082C	YER082C	YPL212C	PUS1	1	-0.77310
466	YDR034C	LYS14	YPL178W	CBC2	2	-0.77735
467	YDL226C	GCS1	YGR172C	YIP1	31	-0.77991
468	YLR423C	APG17	YDR148C	KGD2	1	-0.78553
469	YPR086W	SUA7	YFL038C	YPT1	1	-0.78674
470	YDR034C	LYS14	YPR187W	RPO26	1	-0.78708
471	YMR047C	NUP116	YNL204C	SPS18	1	-0.79954
472	YML092C	PRE8	YLR386W	YLR386W	13	-0.80035
473	YHR005C	GPA1	YDL100C	YDL100C	2	-0.80066
474	YMR047C	NUP116	YLR090W	XDJ1	1	-0.80105
475	YPR119W	CLB2	YBR024W	SCO2	1	-0.80105
476	YDR034C	LYS14	YJL002C	OST1	2	-0.80440
477	YGR218W	CRM1	YKL143W	LTV1	21	-0.81259
478	YCL032W	STE50	YBR059C	AKL1	1	-0.81402
479	YDL130W	RPP1B	YDL059C	RAD59	1	-0.81721
480	YDR394W	RPT3	YGR232W	NAS6	16	-0.82170
481	YGR232W	NAS6	YDR394W	RPT3	18	-0.82278
482	YGL070C	RPB9	YFL034C-B	MOB2	1	-0.82906
483	YGR209C	TRX2	YDL081C	RPP1A	3	-0.83009
484	YHR114W	BZZ1	YDL217C	TIM22	3	-0.83723
485	YPR086W	SUA7	YDL081C	RPP1A	3	-0.83931
486	YLR386W	YLR386W	YLR386W	YLR386W	2	-0.84257
487	YMR047C	NUP116	YOR251C	YOR251C	2	-0.84405
488	YNL189W	SRP1	YGR010W	YGR010W	5	-0.84785
489	YGR193C	PDX1	YNL121C	TOM70	1	-0.84829
490	YNL189W	SRP1	YKL135C	APL2	2	-0.84942
491	YGL058W	RAD6	YOR194C	TOA1	1	-0.85006
492	YNL189W	SRP1	YLR345W	YLR345W	1	-0.85982
493	YDL226C	GCS1	YGL161C	YGL161C	2	-0.86389
494	YLR347C	KAP95	YDR256C	CTA1	1	-0.86567
495	YOL006C	TOP1	YNL099C	YNL099C	1	-0.86857
496	YNL189W	SRP1	YML042W	CAT2	3	-0.87291
497	YHR005C	GPA1	YOR212W	STE4	10	-0.87537
498	YPR086W	SUA7	YML105C	SEC65	1	-0.87896
499	YMR047C	NUP116	YDR148C	KGD2	1	-0.87936
500	YJR091C	JSN1	YHR172W	SPC97	1	-0.87975
501	YER136W	GDI1	YPR180W	AOS1	1	-0.88049
502	YOR117W	RPT5	YJL008C	CCT8	1	-0.88114
503	YPR086W	SUA7	YER154W	OXA1	1	-0.88463

No.	ORF1	Gene Name1	ORF2	Gene Name2	IST hit	SVM score
504	YMR290C	HAS1	YKL103C	LAP4	2	-0.88839
505	YGL115W	SNF4	YER027C	GAL83	9	-0.88843
506	YDR484W	SAC2	YDR259C	YAP6	1	-0.88898
507	YML064C	TEM1	YPR193C	HPA2	1	-0.88904
508	YDR034C	LYS14	YPL138C	YPL138C	1	-0.89265
509	YDR034C	LYS14	YKL068W	NUP100	2	-0.89632
510	YNL189W	SRP1	YLR328W	YLR328W	5	-0.90311
511	YHR114W	BZZ1	YML092C	PRE8	1	-0.90740
512	YMR047C	NUP116	YDR040C	ENA1	1	-0.90828
513	YHL002W	YHL002W	YDR259C	YAP6	2	-0.90931
514	YNL189W	SRP1	YNR069C	YNR069C	2	-0.92172
515	YJR091C	JSN1	YBL049W	YBL049W	1	-0.92338
516	YOR014W	RTS1	YGL100W	SEH1	1	-0.92368
517	YML064C	TEM1	YEL066W	HPA3	3	-0.92604
518	YPL111W	CAR1	YGR136W	YGR136W	1	-0.92826
519	YGR250C	YGR250C	YMR032W	HOF1	1	-0.92889
520	YPR086W	SUA7	YOL111C	YOL111C	2	-0.93552
521	YJR091C	JSN1	YOR122C	PFY1	2	-0.94139
522	YLR347C	KAP95	YDL055C	PSA1	2	-0.94227
523	YGL044C	RNA15	YLR335W	NUP2	1	-0.94693
524	YNL189W	SRP1	YDL055C	PSA1	1	-0.94896
525	YMR047C	NUP116	YHR089C	GAR1	2	-0.94968
526	YHR114W	BZZ1	YLL054C	YLL054C	1	-0.95052
527	YNL189W	SRP1	YHR025W	THR1	3	-0.95113
528	YGL115W	SNF4	YGL208W	SIP2	3	-0.95166
529	YMR047C	NUP116	YBL045C	COR1	1	-0.95258
530	YLR409C	YLR409C	YJL069C	YJL069C	1	-0.95604
531	YNL020C	ARK1	YGR241C	YAP1802	6	-0.96048
532	YJL057C	IKS1	YMR153W	NUP53	5	-0.96069
533	YML064C	TEM1	YBR176W	ECM31	3	-0.96134
534	YPL088W	YPL088W	YPL088W	YPL088W	36	-0.96182
535	YML064C	TEM1	YDR321W	ASP1	1	-0.96308
536	YDR311W	TFB1	YOR089C	VPS21	2	-0.96500
537	YMR077C	YMR077C	YML015C	TAF40	3	-0.97199
538	YMR047C	NUP116	YLR175W	CBF5	1	-0.97238
539	YPR086W	SUA7	YGL145W	TIP20	1	-0.97300
540	YNL189W	SRP1	YMR239C	RNT1	3	-0.97506
541	YLR291C	GCD7	YLR386W	YLR386W	1	-0.97652
542	YML064C	TEM1	YPL070W	YPL070W	1	-0.97670
543	YPR086W	SUA7	YPR066W	UBA3	1	-0.97775
544	YNL189W	SRP1	YHL018W	YHL018W	16	-0.98233
545	YHR114W	BZZ1	YPL057C	SUR1	1	-0.98251
546	YLR105C	SEN2	YNR058W	YNR058W	1	-0.98555
547	YLR347C	KAP95	YOL143C	RIB4	1	-0.98573
548	YMR047C	NUP116	YML092C	PRE8	2	-0.99200
549	YJR091C	JSN1	YJL106W	IME2	1	-0.99588
550	YMR153W	NUP53	YER118C	SHO1	2	-0.99650
551	YMR047C	NUP116	YMR307W	GAS1	2	-0.99670
552	YML057W	CMP2	YNL047C	YNL047C	5	-0.99942
553	YML064C	TEM1	YHR112C	YHR112C	1	-1.00489
554	YMR047C	NUP116	YHL003C	LAG1	1	-1.00960
555	YOL115W	TRF4	YIL079C	YIL079C	1	-1.01118
556	YLR423C	APG17	YJR024C	YJR024C	1	-1.01153
557	YML064C	TEM1	YGR144W	THI4	1	-1.01371
558	YNL189W	SRP1	YHL011C	PRS3	2	-1.01413
559	YBR103W	SIF2	YIL112W	YIL112W	1	-1.01532
560	YFR052W	RPN12	YDL156W	YDL156W	1	-1.01574
561	YPL043W	NOP4	YBR143C	SUP45	1	-1.01725
562	YDR425W	YDR425W	YGL198W	YGL198W	4	-1.02133
563	YLR347C	KAP95	YLR328W	YLR328W	1	-1.02415
564	YNL189W	SRP1	YGL037C	PNC1	5	-1.02551
565	YLR347C	KAP95	YHR216W	IMD2	2	-1.02838
566	YOR026W	BUB3	YGR188C	BUB1	5	-1.03085
567	YER154W	OXA1	YNR003C	RPC34	1	-1.03111
568	YNL153C	GIM3	YDR207C	UME6	1	-1.03364
569	YGL187C	COX4	YML042W	CAT2	2	-1.03581
570	YOR007C	SGT2	YOR164C	YOR164C	1	-1.03660
571	YLR291C	GCD7	YLR245C	CDD1	15	-1.03738
572	YLR347C	KAP95	YNL331C	AAD14	2	-1.04049
573	YML064C	TEM1	YFL010C	YFL010C	2	-1.04540
574	YNL189W	SRP1	YNL047C	YNL047C	1	-1.04547
575	YMR047C	NUP116	YKL143W	LTV1	7	-1.04656
576	YDR034C	LYS14	YIR026C	YVH1	1	-1.04706
577	YJR091C	JSN1	YHR129C	ARP1	1	-1.04947
578	YDR034C	LYS14	YIL045W	PIG2	1	-1.05121
579	YBR061C	YBR061C	YJL140W	RPB4	1	-1.05136
580	YLR291C	GCD7	YDR484W	SAC2	1	-1.05297
581	YDR311W	TFB1	YPL170W	YPL170W	1	-1.05847
582	YML064C	TEM1	YOR128C	ADE2	1	-1.05918
583	YDL160C	DHH1	YER125W	RSP5	1	-1.06521
584	YHR114W	BZZ1	YGL018C	JAC1	1	-1.06531
585	YNL189W	SRP1	YJL218W	YJL218W	6	-1.06593
586	YER136W	GDJ1	YIR009W	MSL1	1	-1.06869
587	YOR171C	LCB4	YOR185C	GSP2	1	-1.06904
588	YOR111W	YOR111W	YDL161W	ENT1	23	-1.07063
589	YGL220W	YGL220W	YDR098C	GRX3	3	-1.07448
590	YNL189W	SRP1	YJR159W	SOR1	1	-1.07502
591	YCL040W	GLK1	YDR516C	YDR516C	2	-1.07622
592	YDR516C	YDR516C	YCL040W	GLK1	1	-1.07699

No.	ORF1	Gene Name1	ORF2	Gene Name2	IST hit	SVM score
593	YBR025C	YBR025C	YNL207W	YNL207W	1	-1.07838
594	YJR091C	JSN1	YFR028C	CDC14	1	-1.07927
595	YDR034C	LYS14	YDR259C	YAP6	1	-1.08461
596	YDL226C	GCS1	YGL198W	YGL198W	12	-1.08532
597	YGR218W	CRM1	YOR184W	SER1	1	-1.08633
598	YLR347C	KAP95	YGR267C	FOL2	1	-1.08811
599	YHR114W	BZZ1	YDL100C	YDL100C	2	-1.09101
600	YLR447C	VMA6	YHR119W	SET1	1	-1.09290
601	YPR086W	SUA7	YDR452W	PHM5	1	-1.09396
602	YPR086W	SUA7	YPR020W	ATP20	2	-1.09715
603	YJR091C	JSN1	YER029C	SMB1	1	-1.10020
604	YNL189W	SRP1	YDL246C	YDL246C	1	-1.10047
605	YML064C	TEM1	YOR380W	YOR380W	1	-1.10364
606	YBR198C	TAF90	YDR259C	YAP6	1	-1.10500
607	YCR038C	BUD5	YHR119W	SET1	1	-1.10672
608	YHR035W	YHR035W	YLL013C	YLL013C	1	-1.10782
609	YNL189W	SRP1	YNL331C	AAD14	6	-1.11331
610	YMR236W	TAF17	YNL308C	KRI1	1	-1.12240
611	YPR086W	SUA7	YGR232W	NAS6	1	-1.12284
612	YLR014C	PPR1	YJR005W	APL1	1	-1.12436
613	YNR050C	LYS9	YNL292W	PUS4	1	-1.12437
614	YJR091C	JSN1	YGR241C	YAP1802	1	-1.12454
615	YNL189W	SRP1	YAL062W	GDH3	2	-1.12545
616	YOL016C	CMK2	YOR007C	SGT2	1	-1.12612
617	YNL189W	SRP1	YFL010C	YFL010C	4	-1.12789
618	YDL116W	NUP84	YJL090C	DPB11	1	-1.13027
619	YGL070C	RPB9	YER029C	SMB1	1	-1.13064
620	YBL023C	MCM2	YOR196C	LIP5	1	-1.13337
621	YJR091C	JSN1	YOR116C	RPO31	1	-1.13421
622	YOL151W	GRE2	YLR196W	PWP1	1	-1.13517
623	YJR091C	JSN1	YGR082W	TOM20	2	-1.13965
624	YMR146C	TIF34	YDR429C	TIF35	1	-1.14218
625	YNL234W	YNL234W	YMR153W	NUP53	-1	-1.14388
626	YJR063W	RPA12	YBR187W	YBR187W	1	-1.14666
627	YBR207W	FTH1	YGR152C	RSR1	1	-1.15531
628	YPR086W	SUA7	YIL066C	RNR3	1	-1.15535
629	YBL001C	ECM15	YDR510W	SMT3	2	-1.15641
630	YGR167W	CLC1	YOR028C	CIN5	1	-1.15854
631	YPL169C	MEX67	YLR377C	FBP1	1	-1.15876
632	YJR091C	JSN1	YLR191W	PEX13	1	-1.16081
633	YKL002W	YKL002W	YDL165W	CDC36	5	-1.16363
634	YKL002W	YKL002W	YGR020C	VMA7	1	-1.16809
635	YPR058W	YMC1	YNL246W	YNL246W	1	-1.17012
636	YDR034C	LYS14	YLR191W	PEX13	1	-1.17188
637	YNL189W	SRP1	YDR453C	YDR453C	7	-1.17418
638	YKL043W	PHD1	YDR510W	SMT3	4	-1.17484
639	YOR101W	RAS1	YDR264C	AKR1	3	-1.17656
640	YGL070C	RPB9	YDR054C	CDC34	1	-1.17734
641	YPL020C	ULP1	YIR038C	GTT1	1	-1.18103
642	YLR447C	VMA6	YPL152W	RRD2	1	-1.18120
643	YMR047C	NUP116	YAR042W	SWH1	1	-1.18361
644	YML042W	CAT2	YMR038C	LYS7	1	-1.18557
645	YJR091C	JSN1	YGL198W	YGL198W	1	-1.18723
646	YMR047C	NUP116	YCR008W	SAT4	1	-1.18914
647	YHR114W	BZZ1	YKL157W	APE2	2	-1.19298
648	YGR218W	CRM1	YML120C	NDI1	1	-1.19332
649	YGL044C	RNA15	YER143W	DDI1	1	-1.19530
650	YPR086W	SUA7	YOR110W	TFC7	2	-1.19655
651	YNL189W	SRP1	YLR245C	CDD1	21	-1.19668
652	YJR091C	JSN1	YLR370C	ARC18	1	-1.19804
653	YLR347C	KAP95	YGL037C	PNC1	1	-1.19817
654	YML064C	TEM1	YFL054C	YFL054C	1	-1.19897
655	YDR309C	GIC2	YDR116C	YDR116C	1	-1.19968

Table A.2. List of predicted interactions in the dataset reported by Uetz et al. [70].

No.	ORF1	Gene Name1	ORF2	Gene Name2	High-throughput	Protein Array	SVM score
1	YDR472W	TRS31	YBR254C	TRS20	+	-	1.90832
2	YDL132W	CDC53	YDR328C	SKP1	-	+	1.60606
3	YJR022W	LSM8	YNL147W	LSM7	-	+	1.47086
4	YJR022W	LSM8	YER146W	LSM5	-	+	1.46495
5	YDR394W	RPT3	YOR259C	RPT4	-	+	1.36118
6	YML088W	YML088W	YDR328C	SKP1	+	-	1.27316
7	YJR022W	LSM8	YDR378C	LSM6	-	+	1.24739
8	YDR394W	RPT3	YOR117W	RPT5	-	+	1.20818
9	YDR394W	RPT3	YDR394W	RPT3	-	+	1.18733
10	YJR022W	LSM8	YBL026W	LSM2	-	+	1.10390
11	YBL026W	LSM2	YER146W	LSM5	-	+	1.08542
12	YPL259C	APM1	YKL135C	APL2	+	-	1.07955
13	YDR328C	SKP1	YJR090C	GRR1	-	+	1.06691
14	YBL026W	LSM2	YDR378C	LSM6	-	+	1.05539
15	YPL031C	PHO85	YDL127W	PCL2	-	+	1.02809
16	YPR119W	CLB2	YBR135W	CKS1	+	-	1.01291
17	YBL026W	LSM2	YLR275W	SMD2	-	+	1.01007
18	YBL026W	LSM2	YJL124C	LSM1	-	+	1.00732

No.	ORF1	Gene Name1	ORF2	Gene Name2	High-throughput	Protein Array	SVM score
19	YOR159C	SME1	YPR182W	SMX3	+	-	1.00395
20	YER112W	LSM4	YJL124C	LSM1	-	+	1.00325
21	YDR388W	RVS167	YCR009C	RVS161	+	-	1.00217
22	YPL031C	PHO85	YDL179W	PCL9	-	+	1.00127
23	YBL026W	LSM2	YNL147W	LSM7	-	+	1.00040
24	YGR252W	GCN5	YDR448W	ADA2	+	-	1.00036
25	YDL155W	CLB3	YBR135W	CKS1	+	-	0.99952
26	YDR225W	HTA1	YKR048C	NAP1	+	+	0.99682
27	YER112W	LSM4	YNL147W	LSM7	-	+	0.99656
28	YER112W	LSM4	YDR378C	LSM6	-	+	0.99565
29	YKL103C	LAP4	YKL103C	LAP4	+	-	0.99547
30	YGL112C	TAF60	YMR236W	TAF17	+	-	0.99494
31	YLR229C	CDC42	YDL135C	RD11	+	-	0.99467
32	YKR026C	GCN3	YKR026C	GCN3	+	-	0.99461
33	YDR477W	SNF1	YER027C	GAL83	+	+	0.99413
34	YHR171W	APG7	YNR007C	AUT1	+	-	0.99406
35	YFR047C	YFR047C	YFR047C	YFR047C	+	-	0.99404
36	YBR170C	NPL4	YGR048W	UFD1	+	-	0.99311
37	YMR055C	BUB2	YHR061C	GIC1	-	+	0.99303
38	YLR345W	YLR345W	YLR321C	SFH1	+	-	0.99299
39	YLR245C	CDD1	YLR245C	CDD1	+	-	0.99262
40	YOR061W	CKA2	YOR039W	CKB2	+	-	0.99258
41	YGL058W	RAD6	YCR066W	RAD18	+	-	0.99257
42	YLR362W	STE11	YCL032W	STE50	+	-	0.99244
43	YIL074C	YIL074C	YER081W	YER081W	+	-	0.99213
44	YML064C	TEM1	YLR423C	YLR423C	-	+	0.99188
45	YMR095C	SNO1	YNL333W	SNZ2	+	-	0.99181
46	YGR158C	MTR3	YDL111C	RRP42	+	-	0.99158
47	YLR328W	YLR328W	YLR328W	YLR328W	+	-	0.99148
48	YHR171W	APG7	YBL078C	AUT7	+	-	0.99147
49	YOR375C	GDH1	YJL124C	LSM1	+	-	0.99121
50	YMR309C	NIP1	YNL244C	SUI1	+	-	0.99119
51	YMR055C	BUB2	YER143W	DDI1	-	+	0.99115
52	YDR328C	SKP1	YOR057W	SGT1	-	+	0.99109
53	YPL111W	CAR1	YPL111W	CAR1	+	-	0.99069
54	YNL218W	YNL218W	YNL218W	YNL218W	+	-	0.99068
55	YDR477W	SNF1	YGL208W	SIP2	+	+	0.99064
56	YFR002W	NIC96	YMR153W	NUP53	+	-	0.99047
57	YPL149W	APG5	YBR217W	APG12	+	+	0.99006
58	YGR108W	CLB1	YBR135W	CKS1	+	-	0.98990
59	YNR012W	URK1	YDR020C	YDR020C	+	-	0.98963
60	YNL056W	YNL056W	YNL032W	SIW14	+	-	0.98939
61	YFR004W	RPN11	YOR261C	RPN8	-	+	0.98880
62	YBR217W	APG12	YNR007C	AUT1	-	+	0.98837
63	YGL212W	VAM7	YOR106W	VAM3	-	+	0.98826
64	YLL050C	COF1	YFL039C	ACT1	-	+	0.98683
65	YGR040W	KSS1	YDL159W	STE7	-	+	0.98664
66	YGR267C	FOL2	YGR267C	FOL2	+	-	0.98588
67	YKL067W	YNK1	YKL067W	YNK1	+	-	0.98479
68	YGL150C	INO80	YDL002C	NHP10	+	-	0.98450
69	YGL237C	HAP2	YBL021C	HAP3	+	-	0.98432
70	YOL006C	TOP1	YMR233W	YMR233W	+	-	0.98408
71	YHL018W	YHL018W	YHL018W	YHL018W	+	-	0.98347
72	YPR173C	VPS4	YLR025W	SNF7	+	-	0.98233
73	YML094W	GIM5	YLR200W	YKE2	+	-	0.97878
74	YLR340W	RPP0	YDL081C	RPP1A	-	+	0.97622
75	YDR510W	SMT3	YDL064W	UBC9	-	+	0.97384
76	YLR264W	RPS28B	YBR094W	YBR094W	+	-	0.97222
77	YNL056W	YNL056W	YNL099C	YNL099C	+	-	0.97194
78	YDR328C	SKP1	YLR368W	YLR368W	-	+	0.96539
79	YMR096W	SNZ1	YMR095C	SNO1	+	-	0.95677
80	YFL060C	SNO3	YNL333W	SNZ2	+	-	0.95281
81	YGL237C	HAP2	YOR358W	HAP5	+	-	0.93139
82	YKL028W	TFA1	YKR062W	TFA2	+	-	0.92244
83	YIL074C	YIL074C	YIL074C	YIL074C	+	-	0.89281
84	YLR345W	YLR345W	YGR158C	MTR3	+	-	0.88423
85	YER112W	LSM4	YJR022W	LSM8	-	+	0.84818
86	YCL024W	YCL024W	YKR048C	NAP1	+	-	0.84049
87	YLR328W	YLR328W	YGR010W	YGR010W	+	-	0.82603
88	YHL019C	APM2	YKL135C	APL2	+	-	0.82428
89	YHR171W	APG7	YBR217W	APG12	+	-	0.81783
90	YFL060C	SNO3	YMR096W	SNZ1	+	-	0.81583
91	YPR182W	SMX3	YLR275W	SMD2	+	-	0.81047
92	YLR429W	CRN1	YDR328C	SKP1	+	-	0.76308
93	YFL038C	YPT1	YLR078C	BOS1	-	+	0.75996
94	YBL021C	HAP3	YOR358W	HAP5	+	-	0.75615
95	YDR218C	SPR28	YJR076C	CDC11	+	-	0.72833
96	YGR010W	YGR010W	YGR010W	YGR010W	+	-	0.70889
97	YML064C	TEM1	YOR020C	HSP10	-	+	0.66481
98	YDR472W	TRS31	YKR068C	BET3	+	-	0.65974
99	YDR328C	SKP1	YLR399C	BDF1	+	+	0.65819
100	YIL113W	YIL113W	YHR030C	SLT2	-	+	0.65138
101	YPR110C	RPC40	YNL113W	RPC19	+	+	0.63949
102	YBL026W	LSM2	YDL160C	DHH1	-	+	0.62948
103	YDR328C	SKP1	YDR139C	RUB1	-	+	0.61332
104	YOL061W	PRS5	YER099C	PRS2	+	-	0.60377
105	YER089C	PTC2	YDR071C	YDR071C	-	+	0.55137
106	YKL166C	TPK3	YKL166C	TPK3	-	+	0.54712
107	YPL174C	NIP100	YHR129C	ARP1	+	-	0.52625

No.	ORF1	Gene Name1	ORF2	Gene Name2	High-throughput	Protein Array	SVM score
108	YJR022W	LSM8	YGR158C	MTR3	-	+	0.52380
109	YJR125C	ENT3	YOR111W	YOR111W	+	-	0.50718
110	YML015C	TAF40	YDR167W	TAF25	+	-	0.49918
111	YJR022W	LSM8	YOR319W	HSH49	-	+	0.49434
112	YDR071C	YDR071C	YBR125C	YBR125C	+	-	0.48377
113	YOL111C	YOL111C	YOR007C	SGT2	+	-	0.47137
114	YDL132W	CDC53	YLR368W	YLR368W	-	+	0.46394
115	YKL166C	TPK3	YIL033C	SRA1	+	-	0.45445
116	YGL158W	RCK1	YLR113W	HOG1	+	-	0.44328
117	YGL212W	VAM7	YLR423C	YLR423C	-	+	0.44300
118	YPL140C	MKK2	YHR030C	SLT2	+	-	0.41565
119	YKL028W	TFA1	YDR311W	TFB1	+	-	0.40272
120	YGL051W	YGL051W	YAR033W	YAR033W	+	-	0.39544
121	YDL064W	UBC9	YDL064W	UBC9	-	+	0.37468
122	YLR417W	VPS36	YPL002C	SNF8	+	-	0.32997
123	YDR311W	TFB1	YKL103C	LAP4	+	-	0.31715
124	YHR016C	YSC84	YBL007C	SLA1	+	-	0.31018
125	YPR051W	MAK3	YEL053C	MAK10	+	-	0.30580
126	YJL110C	GZF3	YNL021W	HDA1	+	-	0.30410
127	YHL002W	YHL002W	YNR006W	VPS27	+	-	0.29599
128	YBL026W	LSM2	YGR158C	MTR3	-	+	0.28178
129	YDR328C	SKP1	YIL046W	MET30	+	-	0.27769
130	YPL174C	NIP100	YIL144W	TID3	+	-	0.24254
131	YGR250C	YGR250C	YIR001C	YIR001C	+	-	0.22463
132	YPR054W	SMK1	YFL029C	CAK1	+	-	0.21390
133	YDR328C	SKP1	YFL009W	CDC4	+	+	0.20227
134	YGL198W	YGL198W	YGL161C	YGL161C	+	-	0.16954
135	YLR293C	GSP1	YJR074W	MOG1	+	-	0.16891
136	YDL006W	PTC1	YDR162C	NBP2	+	-	0.16386
137	YGR123C	PPT1	YDR216W	ADR1	-	+	0.13557
138	YJR074W	MOG1	YOR185C	GSP2	+	-	0.12152
139	YPR107C	YTH1	YJR093C	FIP1	+	-	0.10603
140	YLR335W	NUP2	YOR020C	HSP10	-	+	0.07102
141	YNL135C	FPR1	YER052C	HOM3	+	-	0.06964
142	YDR148C	KGD2	YDR510W	SMT3	+	-	0.04906
143	YER031C	YPT31	YKR030W	YKR030W	-	+	0.00598
144	YAR014C	YAR014C	YER133W	GLC7	+	-	-0.02052
145	YDL017W	CDC7	YDL160C	DHH1	+	-	-0.10173
146	YNR068C	YNR068C	YNR069C	YNR069C	+	-	-0.12047
147	YML064C	TEM1	YDR174W	HMO1	-	+	-0.13412
148	YML064C	TEM1	YOR229W	WTM2	-	+	-0.20499
149	YML064C	TEM1	YPR182W	SMX3	-	+	-0.22266
150	YML064C	TEM1	YNL333W	SNZ2	-	+	-0.22543
151	YDL154W	MSH5	YBR133C	HSL7	+	-	-0.24351
152	YHR135C	YCK1	YDL101C	DUN1	-	+	-0.26234
153	YOR362C	PRE10	YFL017C	GNA1	+	-	-0.28397
154	YDR002W	YRB1	YKR048C	NAP1	+	-	-0.28398
155	YER144C	UBP5	YBR059C	YBR059C	-	-	-0.30004
156	YER133W	GLC7	YDL070W	BDF2	-	+	-0.31297
157	YIL113W	YIL113W	YLL019C	KNS1	-	+	-0.31491
158	YDL132W	CDC53	YDL017W	CDC7	-	+	-0.36774
159	YDR017C	KCS1	YDR099W	BMH2	+	-	-0.38858
160	YMR308C	PSE1	YOR020C	HSP10	-	+	-0.40593
161	YDL097C	RPN6	YEL009C	GCN4	+	-	-0.44126
162	YJR022W	LSM8	YLR264W	RPS28B	-	+	-0.45801
163	YJR022W	LSM8	YOR167C	RPS28A	-	+	-0.45923
164	YML064C	TEM1	YAR018C	KIN3	-	+	-0.48872
165	YNR032W	PPG1	YMR186W	HSC82	-	+	-0.50816
166	YML064C	TEM1	YDL246C	YDL246C	-	+	-0.51568
167	YML064C	TEM1	YJR159W	SOR1	-	+	-0.52039
168	YER162C	RAD4	YEL037C	RAD23	-	+	-0.52909
169	YIL061C	SNP1	YAR018C	KIN3	-	+	-0.53782
170	YNL189W	SRP1	YHL009C	YAP3	+	-	-0.54389
171	YHR105W	YHR105W	YNL263C	YIF1	-	+	-0.55759
172	YDL154W	MSH5	YIL144W	TID3	+	-	-0.55799
173	YER105C	NUP157	YMR153W	NUP53	+	-	-0.57521
174	YIR005W	YIR005W	YER148W	SPT15	-	+	-0.59273
175	YPL031C	PHO85	YNL201C	YNL201C	-	+	-0.61125
176	YLR432W	YLR432W	YDR167W	TAF25	+	-	-0.62614
177	YML064C	TEM1	YNL218W	YNL218W	-	+	-0.65828
178	YNL311C	YNL311C	YKL001C	MET14	+	-	-0.67684
179	YNL189W	SRP1	YGL221C	NIF3	+	-	-0.68644
180	YDL090C	RAM1	YKL019W	RAM2	+	-	-0.69872
181	YNL113W	RPC19	YHL018W	YHL018W	-	+	-0.71140
182	YNL189W	SRP1	YPL111W	CAR1	+	-	-0.72098
183	YDL154W	MSH5	YMR224C	MRE11	+	-	-0.73387
184	YJR022W	LSM8	YPR017C	DSS4	-	+	-0.76748
185	YOR303W	CPA1	YOR039W	CKB2	+	-	-0.77349
186	YML064C	TEM1	YHR038W	FIL1	-	+	-0.80151
187	YDR394W	RPT3	YGR232W	YGR232W	+	-	-0.82170
188	YMR309C	NIP1	YNL047C	YNL047C	+	-	-0.82626
189	YDR477W	SNF1	YNL218W	YNL218W	-	+	-0.82756
190	YPL038W	MET31	YEL009C	GCN4	+	-	-0.82831
191	YGL155W	CDC43	YKL019W	RAM2	+	-	-0.83203
192	YJL112W	YJL112W	YLL001W	DNM1	+	-	-0.83866
193	YMR308C	PSE1	YDR148C	KGD2	-	+	-0.85694
194	YGL115W	SNF4	YER027C	GAL83	+	+	-0.88843
195	YDL132W	CDC53	YLR128W	YLR128W	-	+	-0.88873
196	YHR158C	KEL1	YJR122W	CAF17	+	-	-0.89581

No.	ORF1	Gene Name1	ORF2	Gene Name2	High-throughput	Protein Array	SVM score
197	YJL001W	PRE3	YLR386W	YLR386W	+	-	-0.89719
198	YDL246C	YDL246C	YJR159W	SOR1	+	-	-0.90080
199	YDL246C	YDL246C	YDL246C	YDL246C	+	-	-0.90423
200	YMR308C	PSE1	YKL135C	APL2	-	+	-0.93038
201	YML015C	TAF40	YDR174W	HMO1	+	-	-0.94010
202	YPL222W	YPL222W	YGR048W	UFD1	+	-	-0.94099
203	YBR017C	KAP104	YNR069C	YNR069C	-	+	-0.94770
204	YGL221C	NIF3	YGL221C	NIF3	+	-	-0.94888
205	YDL127W	PCL2	YDR146C	SWI5	+	-	-0.94908
206	YGL208W	SIP2	YGL115W	SNF4	+	+	-0.95230
207	YHR105W	YHR105W	YGL161C	YGL161C	-	+	-0.95705
208	YGL212W	VAM7	YNL263C	YIF1	-	+	-0.96489
209	YMR308C	PSE1	YOR229W	WTM2	-	+	-0.96696
210	YPR110C	RPC40	YLR238W	YLR238W	+	-	-0.96707
211	YKL116C	YKL116C	YLR389C	STE23	-	+	-0.98159
212	YGL212W	VAM7	YGL161C	YGL161C	-	+	-0.98432
213	YMR308C	PSE1	YJR159W	SOR1	-	+	-0.98463
214	YGL242C	YGL242C	YKR099W	BAS1	+	-	-0.98781
215	YGL096W	YGL096W	YOR319W	HSH49	-	+	-0.99167
216	YNR032W	PPG1	YGR123C	PPT1	-	+	-0.99782
217	YNL189W	SRP1	YPR062W	FCY1	+	-	-0.99835
218	YMR308C	PSE1	YDL246C	YDL246C	-	+	-1.00320
219	YBR103W	YBR103W	YIL112W	YIL112W	+	-	-1.01532
220	YER105C	NUP157	YJL030W	MAD2	+	-	-1.02355
221	YER112W	LSM4	YOR039W	CKB2	-	+	-1.03551
222	YBL026W	LSM2	YOR167C	RPS28A	-	+	-1.03626
223	YNL189W	SRP1	YER065C	ICL1	+	-	-1.03714
224	YBL026W	LSM2	YLR264W	RPS28B	-	+	-1.03808
225	YNL189W	SRP1	YJR159W	SOR1	+	-	-1.07502
226	YOR132W	VPS17	YOR069W	VPS5	+	-	-1.07904
227	YML064C	TEM1	YKL008C	LAC1	-	+	-1.08511
228	YLR433C	CNA1	YNL047C	YNL047C	+	-	-1.08880
229	YBR155W	CNS1	YDR463W	STP1	-	+	-1.10409
230	YNL189W	SRP1	YML028W	TSA1	+	-	-1.12514
231	YAR031W	YAR031W	YBR217W	APG12	+	-	-1.12955
232	YPR119W	CLB2	YNL135C	FPR1	+	-	-1.14408
233	YER133W	GLC7	YIR006C	PAN1	-	+	-1.17864
234	YMR322C	YMR322C	YFL059W	SNZ3	+	-	-1.19961

Table A.3. List of predicted interactions in the dataset reported by Rual et al. [62].

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
1	10921	RNPS1	6431	SFRS6	+	-	4.32929
2	2885	GRB2	2885	GRB2	-	+	4.27951
3	3932	LCK	3932	LCK	-	+	4.13571
4	6429	SFRS4	6431	SFRS6	+	-	4.10715
5	2534	FYN	2534	FYN	-	+	3.75139
6	2885	GRB2	6714	SRC	-	+	3.70141
7	6714	SRC	6714	SRC	-	+	3.60637
8	5111	PCNA	5111	PCNA	-	+	3.51772
9	83755	KRTAP4-12	83755	KRTAP4-12	+	-	3.40090
10	10188	TNK2	2885	GRB2	-	+	3.33559
11	4145	MATK	6714	SRC	-	+	3.17626
12	3055	HCK	3055	HCK	-	+	3.13210
13	2885	GRB2	7409	VAV1	-	+	3.12509
14	2534	FYN	5781	PTPN11	-	+	3.10511
15	3932	LCK	5777	PTPN6	-	+	3.10122
16	3932	LCK	5781	PTPN11	-	+	3.03687
17	2885	GRB2	30011	SH3KBP1	-	+	2.99037
18	4778	NFE2	4778	NFE2	-	+	2.97490
19	2885	GRB2	5777	PTPN6	-	+	2.89145
20	2885	GRB2	5781	PTPN11	-	+	2.88060
21	6286	S100P	6286	S100P	-	+	2.87126
22	10188	TNK2	4690	NCK1	-	+	2.86717
23	3932	LCK	6850	SYK	-	+	2.84802
24	3055	HCK	5921	RASA1	-	+	2.81434
25	2885	GRB2	5921	RASA1	-	+	2.78461
26	3932	LCK	7535	ZAP70	-	+	2.78058
27	4778	NFE2	4780	NFE2L2	-	+	2.73550
28	2534	FYN	6850	SYK	-	+	2.71021
29	5111	PCNA	5883	RAD9A	-	+	2.67622
30	3383	ICAM1	3383	ICAM1	-	+	2.61108
31	2534	FYN	5336	PLCG2	-	+	2.61101
32	10772	FUSIP1	29896	TRA2A	-	+	2.55498
33	2885	GRB2	29760	BLNK	-	+	2.53825
34	5159	PDGFRB	6714	SRC	-	+	2.53678
35	10912	GADD45G	5111	PCNA	-	+	2.52947
36	2908	NR3C1	2908	NR3C1	-	+	2.51276
37	6271	S100A1	6286	S100P	+	-	2.50618
38	10188	TNK2	2534	FYN	-	+	2.50212
39	2534	FYN	7535	ZAP70	-	+	2.49242
40	2908	NR3C1	7704	ZBTB16	-	+	2.48513
41	5451	POU2F1	5451	POU2F1	-	+	2.46270
42	6271	S100A1	6271	S100A1	+	-	2.41732
43	7727	ZNF174	7727	ZNF174	-	+	2.39079

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
44	3718	JAK3	3932	LCK	-	+	2.33599
45	2130	EWSR1	7536	SF1	-	+	2.30078
46	5159	PDGFRB	5781	PTPN11	-	+	2.28949
47	6426	SFRS1	7307	U2AF1	-	+	2.28814
48	10152	ABI2	8440	NCK2	+	-	2.26626
49	5111	PCNA	5985	RFC5	-	+	2.26376
50	3065	HDAC1	8841	HDAC3	-	+	2.25472
51	7704	ZBTB16	7704	ZBTB16	-	+	2.23594
52	7431	VIM	7431	VIM	-	+	2.23251
53	5350	PLN	5350	PLN	-	+	2.19667
54	10818	FRS2	2885	GRB2	-	+	2.19361
55	558	AXL	6714	SRC	-	+	2.19001
56	10538	BATF	2353	FOS	-	+	2.18172
57	2885	GRB2	2886	GRB7	-	+	2.17382
58	2670	GFAP	7431	VIM	+	-	2.16730
59	563	AZGP1	563	AZGP1	-	+	2.15946
60	5590	PRKCZ	8772	FADD	-	+	2.15640
61	83755	KRTAP4-12	83897	KRTAP3-2	+	-	2.15523
62	8615	VDP	8615	VDP	-	+	2.11478
63	6714	SRC	6850	SYK	-	+	2.11044
64	4086	SMAD1	9698	PUM1	-	+	2.09567
65	10019	LNK	2885	GRB2	-	+	2.09516
66	5970	RELA	8841	HDAC3	-	+	2.08038
67	27343	POLL	5111	PCNA	-	+	2.07975
68	4690	NCK1	868	CBLB	-	+	2.05778
69	2885	GRB2	51517	NCKIPSD	-	+	2.05715
70	2908	NR3C1	7157	TP53	-	+	2.02764
71	2534	FYN	7409	VAV1	-	+	2.01268
72	2885	GRB2	868	CBLB	-	+	2.00871
73	2885	GRB2	6850	SYK	-	+	2.00800
74	3937	LCP2	9402	GRAP2	+	-	2.00608
75	4436	MSH2	5111	PCNA	-	+	1.99916
76	10019	LNK	3932	LCK	-	+	1.99236
77	5159	PDGFRB	8440	NCK2	-	+	1.99105
78	29760	BLNK	4690	NCK1	-	+	1.98438
79	11052	CPSF6	2130	EWSR1	+	-	1.98369
80	2534	FYN	5159	PDGFRB	-	+	1.97377
81	5111	PCNA	5424	POLD1	-	+	1.93888
82	2885	GRB2	5159	PDGFRB	-	+	1.92245
83	3937	LCP2	4690	NCK1	-	+	1.92221
84	5156	PDGFRA	5781	PTPN11	-	+	1.92016
85	2885	GRB2	7454	WAS	-	+	1.91131
86	8440	NCK2	868	CBLB	+	-	1.90670
87	3932	LCK	6774	STAT3	-	+	1.89072
88	3065	HDAC1	5111	PCNA	-	+	1.88550
89	6503	SLA	7409	VAV1	-	+	1.87248
90	4097	MAFG	4097	MAFG	-	+	1.87207
91	23624	CBLC	2885	GRB2	-	+	1.87188
92	2908	NR3C1	4691	NCL	-	+	1.85778
93	558	AXL	6464	SHC1	-	+	1.84631
94	27301	APEX2	5111	PCNA	-	+	1.84622
95	1647	GADD45A	5111	PCNA	-	+	1.83109
96	10053	AP1M2	8907	AP1M1	-	+	1.82628
97	8841	HDAC3	8841	HDAC3	-	+	1.82542
98	2205	FCER1A	2205	FCER1A	-	+	1.82462
99	6271	S100A1	6285	S100B	+	-	1.82072
100	5159	PDGFRB	6464	SHC1	-	+	1.81085
101	6925	TCF4	6925	TCF4	-	+	1.81054
102	2885	GRB2	85021	REPS1	-	+	1.80192
103	6285	S100B	6285	S100B	-	+	1.79561
104	408	ARRB1	5745	PTHR1	-	+	1.78753
105	3932	LCK	558	AXL	-	+	1.78703
106	975	CD81	975	CD81	-	+	1.76897
107	7157	TP53	7157	TP53	-	+	1.76838
108	713	C1QB	714	C1QG	-	+	1.76692
109	920	CD4	920	CD4	-	+	1.76132
110	3133	HLA-E	3133	HLA-E	-	+	1.76092
111	4089	SMAD4	4205	MEF2A	-	+	1.75892
112	4088	SMAD3	4088	SMAD3	-	+	1.75504
113	29760	BLNK	868	CBLB	-	+	1.74787
114	7188	TRAF5	958	CD40	-	+	1.74615
115	7070	THY1	7070	THY1	-	+	1.74568
116	1153	CIRBP	27316	RBMX	+	-	1.74425
117	3726	JUNB	3726	JUNB	-	+	1.73880
118	713	C1QB	715	C1R	-	+	1.73234
119	5111	PCNA	9156	EXO1	-	+	1.73227
120	4089	SMAD4	4089	SMAD4	-	+	1.71491
121	253980	KCTD13	5111	PCNA	-	+	1.70989
122	3364	HUS1	5111	PCNA	-	+	1.70688
123	2885	GRB2	5786	PTPRA	-	+	1.70377
124	6277	S100A6	6277	S100A6	-	+	1.69883
125	6844	VAMP2	8773	SNAP23	-	+	1.69472
126	30011	SH3KBP1	868	CBLB	-	+	1.69269
127	2908	NR3C1	4088	SMAD3	-	+	1.69055
128	4916	NTRK3	6464	SHC1	-	+	1.68540
129	1104	CHC1	3839	KPNA3	-	+	1.67964
130	4778	NFE2	90993	CREB3L1	-	+	1.67659
131	3937	LCP2	5777	PTPN6	-	+	1.66939
132	3312	HSPA8	8841	HDAC3	-	+	1.65862



No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
133	5111	PCNA	5429	POLH	-	+	1.65811
134	4086	SMAD1	4089	SMAD4	-	+	1.65497
135	1277	COL1A1	1634	DCN	-	+	1.65224
136	4097	MAFG	4778	NFE2	-	+	1.64605
137	10256	CNKSR1	9265	PSCD3	+	-	1.64211
138	4690	NCK1	5921	RASA1	-	+	1.64118
139	1816	DRD5	2768	GNA12	-	+	1.63553
140	1475	CSTA	1475	CSTA	-	+	1.63069
141	10923	PC4	5111	PCNA	-	+	1.62702
142	29760	BLNK	6850	SYK	-	+	1.62356
143	5111	PCNA	995	CDC25C	-	+	1.61664
144	5925	RB1	8841	HDAC3	-	+	1.61516
145	29760	BLNK	5777	PTPN6	-	+	1.60820
146	4086	SMAD1	4086	SMAD1	-	+	1.60546
147	3932	LCK	9046	DOK2	-	+	1.60484
148	3043	HBB	3043	HBB	-	+	1.58739
149	3040	HBA2	3040	HBA2	-	+	1.58635
150	2073	ERCC5	5111	PCNA	-	+	1.58270
151	2209	FCGR1A	2214	FCGR3A	-	+	1.58017
152	2130	EWSR1	79869	FLJ12529	+	-	1.57941
153	29760	BLNK	5336	PLCG2	-	+	1.56179
154	4097	MAFG	4779	NFE2L1	-	+	1.55773
155	3726	JUNB	4097	MAFG	-	+	1.54380
156	4088	SMAD3	4089	SMAD4	-	+	1.54303
157	10538	BATF	3726	JUNB	-	+	1.54242
158	1173	AP2M1	1601	DAB2	-	+	1.53575
159	1667	DEFA1	713	C1QB	-	+	1.53245
160	3726	JUNB	4779	NFE2L1	-	+	1.53102
161	57617	VPS18	57617	VPS18	-	+	1.53087
162	4097	MAFG	4780	NFE2L2	-	+	1.52541
163	6257	RXR8	7067	THRA	-	+	1.52141
164	5159	PDGFRB	5921	RASA1	-	+	1.51879
165	7376	NR1H2	7376	NR1H2	-	+	1.51104
166	355	FAS	8772	FADD	-	+	1.50903
167	2260	FGFR1	6464	SHC1	-	+	1.50833
168	10538	BATF	3131	HLF	-	+	1.50698
169	4086	SMAD1	4090	SMAD5	-	+	1.49485
170	3183	HNRPC	3183	HNRPC	+	-	1.49413
171	10174	SCAM-1	868	CBLB	+	-	1.49132
172	6257	RXR8	6257	RXR8	-	+	1.48609
173	5590	PRKCZ	6714	SRC	-	+	1.48609
174	5111	PCNA	6949	TCOF1	-	+	1.48222
175	11252	PACSIN2	29993	PACSIN1	+	-	1.48093
176	6256	RXRA	7376	NR1H2	-	+	1.47607
177	5111	PCNA	7374	UNG	-	+	1.47179
178	4615	MYD88	51135	IRAK4	-	+	1.46829
179	6256	RXRA	7067	THRA	-	+	1.46804
180	7040	TGFB1	7040	TGFB1	-	+	1.46772
181	6257	RXR8	7376	NR1H2	-	+	1.46703
182	6281	S100A10	6281	S100A10	-	+	1.46416
183	2624	GATA2	8841	HDAC3	-	+	1.46220
184	2885	GRB2	9112	MTA1	-	+	1.45928
185	2896	GRN	8788	DLK1	-	+	1.45693
186	1398	CRK	7535	ZAP70	-	+	1.44847
187	4780	NFE2L2	5468	PPARG	-	+	1.44700
188	156	ADRBK1	5037	PBP	-	+	1.44239
189	3055	HCK	8935	SCAP2	-	+	1.44034
190	10672	GNA13	1816	DRD5	-	+	1.43187
191	2885	GRB2	558	AXL	-	+	1.43076
192	4174	MCM5	4176	MCM7	-	+	1.42983
193	1004	CDH6	1004	CDH6	-	+	1.42538
194	919	CD3Z	919	CD3Z	-	+	1.42179
195	11252	PACSIN2	11252	PACSIN2	+	-	1.41997
196	3604	TNFRSF9	7186	TRAF2	-	+	1.41596
197	5336	PLCG2	868	CBLB	-	+	1.41402
198	2534	FYN	8935	SCAP2	-	+	1.41008
199	29993	PACSIN1	29993	PACSIN1	-	+	1.40983
200	1280	COL2A1	1634	DCN	-	+	1.40886
201	302	ANXA2	5111	PCNA	-	+	1.40111
202	2950	GSTP1	2950	GSTP1	-	+	1.39973
203	10538	BATF	7008	TEF	-	+	1.39363
204	328	APEX1	5111	PCNA	-	+	1.39080
205	11338	U2AF2	6426	SFRS1	+	+	1.38954
206	29760	BLNK	30011	SH3KBP1	-	+	1.38770
207	3320	HSPCA	7157	TP53	-	+	1.38355
208	2908	NR3C1	7341	SUMO1	-	+	1.38312
209	2043	EPHA4	2534	FYN	-	+	1.38196
210	6714	SRC	6776	STAT5A	-	+	1.37370
211	23411	SIRT1	7157	TP53	-	+	1.36765
212	7531	YWHAE	81565	NDEL1	-	+	1.36514
213	928	CD9	975	CD81	-	+	1.36084
214	207	AKT1	5170	PDPK1	-	+	1.35773
215	1385	CREB1	2908	NR3C1	-	+	1.35678
216	2214	FCGR3A	920	CD4	-	+	1.35236
217	8985	PLOD3	8985	PLOD3	-	+	1.35152
218	6464	SHC1	6714	SRC	-	+	1.33960
219	6500	SKP1A	6502	SKP2	-	+	1.33653
220	3183	HNRPC	3839	KPNA3	+	-	1.33451
221	7528	YY1	8841	HDAC3	-	+	1.33391

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
222	26271	FBXO5	6500	SKP1A	-	+	1.33293
223	1280	COL2A1	1280	COL2A1	-	+	1.33098
224	2022	ENG	7040	TGFB1	-	+	1.32961
225	6717	SRI	6717	SRI	+	+	1.32782
226	6503	SLA	6503	SLA	-	+	1.32659
227	3383	ICAM1	7430	VIL2	-	+	1.32345
228	5879	RAC1	9181	ARHGEF2	-	+	1.32259
229	6464	SHC1	9402	GRAP2	-	+	1.32193
230	9255	SCYE1	9255	SCYE1	-	+	1.31969
231	7189	TRAF6	958	CD40	-	+	1.31728
232	10253	SPRY2	2885	GRB2	-	+	1.31281
233	4615	MYD88	8772	FADD	-	+	1.31250
234	5111	PCNA	5425	POLD2	-	+	1.30875
235	351	APP	8650	NUMB	-	+	1.30245
236	5327	PLAT	5327	PLAT	-	+	1.30159
237	87	ACTN1	87	ACTN1	-	+	1.29992
238	5624	PROC	5624	PROC	-	+	1.29728
239	5111	PCNA	5984	RFC4	-	+	1.29630
240	581	BAX	7416	VDAC1	-	+	1.29271
241	2046	EPHA8	2534	FYN	-	+	1.29208
242	3135	HLA-G	3135	HLA-G	-	+	1.29068
243	7157	TP53	7329	UBE2I	-	+	1.28964
244	6843	VAMP1	8773	SNAP23	-	+	1.28727
245	660	BMX	6714	SRC	-	+	1.28616
246	1831	TSC22D3	1831	TSC22D3	-	+	1.28616
247	10307	APBB3	351	APP	-	+	1.28527
248	7106	TSPAN4	928	CD9	-	+	1.28326
249	10152	ABI2	30011	SH3KBP1	-	+	1.28159
250	351	APP	857	CAV1	-	+	1.28155
251	6811	STX5A	8615	VDP	-	+	1.27992
252	9262	STK17B	9262	STK17B	-	+	1.27917
253	1816	DRD5	2781	GNAZ	-	+	1.27875
254	5159	PDGFRB	5747	PTK2	-	+	1.27827
255	1026	CDKN1A	5111	PCNA	+	+	1.26979
256	5104	SERPINA5	5327	PLAT	-	+	1.26801
257	4690	NCK1	9046	DOK2	-	+	1.26323
258	862	RUNX1T1	862	RUNX1T1	-	+	1.26291
259	1604	DAF	1604	DAF	-	+	1.25980
260	567	B2M	912	CD1D	-	+	1.25899
261	7186	TRAF2	958	CD40	-	+	1.25744
262	1277	COL1A1	6678	SPARC	-	+	1.25551
263	10342	TFG	10342	TFG	-	+	1.25405
264	5228	PGF	5228	PGF	-	+	1.25397
265	2885	GRB2	5621	PRNP	-	+	1.25314
266	468	ATF4	4780	NFE2L2	-	+	1.25248
267	2065	ERBB3	5747	PTK2	-	+	1.25052
268	5347	PLK1	995	CDC25C	-	+	1.24857
269	1004	CDH6	1016	CDH18	-	+	1.24574
270	5111	PCNA	896	CCND3	-	+	1.24522
271	4171	MCM2	4172	MCM3	-	+	1.24508
272	5094	PCBP2	5094	PCBP2	-	+	1.24262
273	3190	HNRPK	3190	HNRPK	+	-	1.24183
274	57142	RTN4	7385	UQCRC2	-	+	1.24135
275	715	C1R	715	C1R	-	+	1.24041
276	6714	SRC	6772	STAT1	-	+	1.23834
277	5894	RAF1	6714	SRC	-	+	1.23733
278	70	ACTC	81	ACTN4	-	+	1.23499
279	2534	FYN	7454	WAS	-	+	1.23377
280	634	CEACAM1	634	CEACAM1	-	+	1.22402
281	26994	RNF11	868	CBLB	-	+	1.22396
282	10399	GNB2L1	2782	GNB1	-	+	1.22166
283	5664	PSEN2	6717	SRI	-	+	1.22136
284	1856	DVL2	9531	BAG3	+	-	1.22117
285	257397	TAB3	7189	TRAF6	-	+	1.21810
286	9457	FHL5	9457	FHL5	-	+	1.21786
287	3689	ITGB2	3732	CD82	-	+	1.21319
288	5921	RASA1	6714	SRC	-	+	1.21252
289	3065	HDAC1	9112	MTA1	-	+	1.21184
290	4205	MEF2A	4205	MEF2A	-	+	1.21015
291	23770	FKBP8	5530	PPP3CA	-	+	1.20612
292	7791	ZYX	87	ACTN1	-	+	1.20608
293	12	SERPINA3	1504	CTRB1	-	+	1.20556
294	7430	VIL2	7430	VIL2	-	+	1.20339
295	842	CASP9	842	CASP9	-	+	1.20310
296	10859	LILRB1	3134	HLA-F	-	+	1.20209
297	6812	STXBP1	8615	VDP	-	+	1.20093
298	1601	DAB2	4088	SMAD3	-	+	1.19968
299	2287	FKBP3	3065	HDAC1	-	+	1.19548
300	7186	TRAF2	9020	MAP3K14	-	+	1.19546
301	51564	HDAC7A	7704	ZBTB16	-	+	1.19353
302	8743	TNFSF10	8795	TNFRSF10B	-	+	1.19230
303	1280	COL2A1	1299	COL9A3	-	+	1.19181
304	6642	SNX1	6642	SNX1	-	+	1.19170
305	6256	RXRA	8856	NR1I2	-	+	1.19124
306	10307	APBB3	334	APLP2	-	+	1.19101
307	6789	STK4	6789	STK4	-	+	1.18897
308	2534	FYN	5786	PTPRA	-	+	1.18830
309	3937	LCP2	7409	VAV1	-	+	1.18730
310	22948	CCT5	58	ACTA1	-	+	1.18685

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
311	4089	SMAD4	91	ACVR1B	-	+	1.18677
312	2885	GRB2	5979	RET	-	+	1.18541
313	5894	RAF1	7532	YWHAG	-	+	1.18127
314	5710	PSMD4	5887	RAD23B	-	+	1.18038
315	2132	EXT2	2132	EXT2	-	+	1.17971
316	2908	NR3C1	5452	POU2F2	-	+	1.17851
317	4929	NR4A2	6257	RXR8	-	+	1.17784
318	1020	CDK5	1020	CDK5	-	+	1.17727
319	11082	ESM1	3689	ITGB2	-	+	1.17715
320	4149	MAX	4149	MAX	-	+	1.17660
321	1164	CKS2	1164	CKS2	-	+	1.17397
322	4089	SMAD4	4090	SMAD5	-	+	1.17221
323	3816	KLK1	5104	SERPINA5	-	+	1.16904
324	10487	CAP1	5271	SERPINB8	-	+	1.16781
325	2266	FGG	2266	FGG	-	+	1.16491
326	5585	PKN1	87	ACTN1	-	+	1.16034
327	11059	WWP1	4090	SMAD5	-	+	1.16018
328	4089	SMAD4	57510	XPO5	-	+	1.16001
329	7409	VAV1	868	CBLB	-	+	1.15940
330	27258	LSM3	84967	LSM10	+	+	1.15756
331	5054	SERPINE1	5327	PLAT	-	+	1.15437
332	598	BCL2L1	7416	VDAC1	-	+	1.15434
333	1604	DAF	2534	FYN	-	+	1.15291
334	6278	S100A7	6278	S100A7	-	+	1.14974
335	23658	LSM5	27257	LSM1	-	+	1.14661
336	369	ARAF	55872	PBK	-	+	1.14566
337	8682	PEA15	8772	FADD	-	+	1.14406
338	5579	PRKCB1	7532	YWHAG	-	+	1.14340
339	23658	LSM5	27258	LSM3	-	+	1.14309
340	11338	U2AF2	7307	U2AF1	+	+	1.14273
341	4690	NCK1	5159	PDGFRB	-	+	1.14125
342	5465	PPARA	6256	RXRA	-	+	1.14064
343	6714	SRC	6774	STAT3	-	+	1.13937
344	1487	CTBP1	3065	HDAC1	-	+	1.13926
345	5597	MAPK6	5597	MAPK6	-	+	1.13741
346	4176	MCM7	8318	CDC45L	-	+	1.13714
347	6850	SYK	6850	SYK	-	+	1.13299
348	2767	GNAI1	5998	RGS3	-	+	1.13283
349	336	APOA2	5360	PLTP	-	+	1.13221
350	7186	TRAF2	8764	TNFRSF14	-	+	1.13076
351	10482	NXF1	10482	NXF1	-	+	1.12914
352	5914	RARA	6257	RXR8	+	-	1.12674
353	835	CASP2	835	CASP2	-	+	1.12563
354	22797	TFEC	22797	TFEC	-	+	1.12448
355	6256	RXRA	6256	RXRA	-	+	1.12374
356	3122	HLA-DRA	3127	HLA-DRB5	-	+	1.12372
357	2908	NR3C1	3557	IL1RN	-	+	1.12289
358	3146	HMGB1	7157	TP53	-	+	1.12200
359	1072	CFL1	58	ACTA1	-	+	1.12179
360	6352	CCL5	6352	CCL5	-	+	1.12120
361	138046	LOC138046	2130	EWSR1	+	-	1.12025
362	4691	NCL	7157	TP53	-	+	1.11993
363	2770	GNAI1	6000	RGS7	-	+	1.11913
364	4632	MYL1	58	ACTA1	-	+	1.11718
365	332	BIRC5	332	BIRC5	-	+	1.11404
366	51564	HDAC7A	8841	HDAC3	-	+	1.11386
367	3624	INHBA	90	ACVR1	-	+	1.11087
368	3297	HSF1	6879	TAF7	-	+	1.11074
369	4172	MCM3	8318	CDC45L	-	+	1.11071
370	23085	RAB6IP2	8500	PPFIA1	-	+	1.10994
371	23291	FBXW11	23291	FBXW11	-	+	1.10913
372	10399	GNB2L1	8900	CCNA1	-	+	1.10913
373	12	SERPINA3	354	KLK3	-	+	1.10474
374	3726	JUNB	4089	SMAD4	-	+	1.10424
375	5300	PIN1	5347	PLK1	-	+	1.10416
376	55916	NXT2	56001	NXF2	-	+	1.10372
377	2908	NR3C1	811	CALR	-	+	1.10071
378	4179	MCP	4179	MCP	-	+	1.10066
379	4179	MCP	7106	TSPAN4	-	+	1.09987
380	862	RUNX1T1	8841	HDAC3	-	+	1.09926
381	5979	RET	9046	DOK2	-	+	1.09888
382	2242	FES	5921	RASA1	-	+	1.09886
383	156	ADRBK1	9815	GIT2	-	+	1.09844
384	114569	MAL2	7163	TPD52	-	+	1.09790
385	808	CALM3	8721	EDF1	-	+	1.09789
386	805	CALM2	8721	EDF1	-	+	1.09789
387	801	CALM1	8721	EDF1	-	+	1.09789
388	4830	NME1	4830	NME1	+	+	1.09419
389	23360	FNBP4	2534	FYN	-	+	1.09376
390	4809	NHP2L1	5884	RAD17	-	+	1.09362
391	50619	DEF6	5879	RAC1	-	+	1.09200
392	1277	COL1A1	960	CD44	-	+	1.09185
393	2260	FGFR1	2885	GRB2	-	+	1.09155
394	3688	ITGB1	7106	TSPAN4	-	+	1.09045
395	1432	MAPK14	7867	MAPKAPK3	-	+	1.09044
396	6613	SUMO2	6613	SUMO2	-	+	1.09002
397	6464	SHC1	868	CBLB	-	+	1.08943
398	2623	GATA1	7704	ZBTB16	-	+	1.08904
399	4172	MCM3	4174	MCM5	-	+	1.08891

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
400	10399	GNB2L1	5579	PRKCB1	-	+	1.08843
401	862	RUNX1T1	9139	CBFA2T2	-	+	1.08695
402	4086	SMAD1	657	BMPRI1A	-	+	1.08654
403	10487	CAP1	10487	CAP1	-	+	1.08581
404	128	ADH5	128	ADH5	-	+	1.08481
405	1072	CFL1	70	ACTC	-	+	1.08240
406	4085	MAD2L1	4085	MAD2L1	-	+	1.08233
407	4088	SMAD3	7704	ZBTB16	-	+	1.08074
408	10538	BATF	1649	DDIT3	+	+	1.07868
409	90	ACVR1	91	ACVR1B	-	+	1.07850
410	118	ADD1	801	CALM1	-	+	1.07802
411	3297	HSF1	85021	REPS1	-	+	1.07693
412	1385	CREB1	8721	EDF1	-	+	1.07629
413	12	SERPINA3	3817	KLK2	-	+	1.07569
414	7430	VIL2	960	CD44	-	+	1.07139
415	4086	SMAD1	90	ACVR1	-	+	1.07059
416	2885	GRB2	6300	MAPK12	-	+	1.07010
417	257397	TAB3	7186	TRAF2	-	+	1.07003
418	7529	YWHAH	993	CDC25A	-	+	1.06972
419	10912	GADD45G	5465	PPARA	-	+	1.06954
420	5216	PFN1	58	ACTA1	-	+	1.06936
421	1280	COL2A1	6678	SPARC	-	+	1.06886
422	5300	PIN1	995	CDC25C	-	+	1.06879
423	23770	FKBP8	598	BCL2L1	-	+	1.06850
424	5347	PLK1	5695	PSMB7	-	+	1.06745
425	488	ATP2A2	6271	S100A1	-	+	1.06736
426	87	ACTN1	9124	PDLIM1	-	+	1.06732
427	7157	TP53	7251	TSG101	-	+	1.06600
428	3135	HLA-G	567	B2M	-	+	1.06492
429	10013	HDAC6	7704	ZBTB16	-	+	1.06397
430	7414	VCL	7431	VIM	-	+	1.06369
431	6095	RORA	6095	RORA	-	+	1.06369
432	12	SERPINA3	1511	CTSG	-	+	1.06113
433	5347	PLK1	5689	PSMB1	-	+	1.06110
434	11218	DDX20	6633	SNRPD2	-	+	1.06023
435	5327	PLAT	811	CALR	-	+	1.05989
436	10808	HSPH1	118	ADD1	-	+	1.05967
437	3135	HLA-G	6891	TAP2	-	+	1.05944
438	10656	KHDRBS3	202559	KHDRBS2	+	-	1.05749
439	6273	S100A2	6273	S100A2	+	+	1.05700
440	7531	YWHAH	993	CDC25A	-	+	1.05522
441	6271	S100A1	6275	S100A4	+	+	1.05328
442	1937	EEF1G	833	CAR5	-	+	1.05320
443	1601	DAB2	983	CDC2	-	+	1.05262
444	4089	SMAD4	7329	UBE2I	+	+	1.05259
445	573	BAG1	5914	RARA	-	+	1.05137
446	5111	PCNA	5757	PTMA	-	+	1.04987
447	351	APP	8883	APPBP1	-	+	1.04970
448	5071	PARK2	9246	UBE2L6	-	+	1.04951
449	2956	MSH6	5111	PCNA	-	+	1.04847
450	5757	PTMA	983	CDC2	-	+	1.04825
451	5055	SERPINB2	5328	PLAU	-	+	1.04771
452	5159	PDGFRB	8503	PIK3R3	-	+	1.04668
453	2908	NR3C1	3320	HSPCA	-	+	1.04585
454	5925	RBI	8900	CCNA1	-	+	1.04529
455	4171	MCM2	4171	MCM2	-	+	1.04496
456	5156	PDGFRA	5159	PDGFRB	-	+	1.04397
457	4176	MCM7	4176	MCM7	-	+	1.04347
458	8851	CDK5R1	8851	CDK5R1	-	+	1.04337
459	4771	NF2	960	CD44	-	+	1.04281
460	1277	COL1A1	7045	TGFBI	-	+	1.04257
461	11171	STRAP	4088	SMAD3	-	+	1.04037
462	7186	TRAF2	7189	TRAF6	+	-	1.03991
463	57617	VPS18	8417	STX7	-	+	1.03923
464	2778	GNAS	7265	TTC1	-	+	1.03826
465	140885	PTPN51	5777	PTPN6	-	+	1.03760
466	7157	TP53	9112	MTA1	-	+	1.03651
467	4171	MCM2	4175	MCM6	+	+	1.03647
468	3107	HLA-C	6891	TAP2	-	+	1.03476
469	5781	PTPN11	634	CEACAM1	-	+	1.03432
470	11036	ALF	2958	GTF2A2	-	+	1.03401
471	10818	FRS2	5979	RET	-	+	1.03401
472	4172	MCM3	4176	MCM7	-	+	1.03221
473	11075	STMN2	8601	RGS20	-	+	1.03187
474	7157	TP53	7319	UBE2A	-	+	1.03060
475	5274	SERPIN1	5327	PLAT	-	+	1.03050
476	202559	KHDRBS2	27316	RBMX	+	-	1.03007
477	5914	RARA	6258	RXRG	+	-	1.02939
478	4171	MCM2	4174	MCM5	-	+	1.02646
479	10062	NR1H3	5914	RARA	-	+	1.02558
480	5991	RFX3	5991	RFX3	-	+	1.02538
481	5475	PPEF1	808	CALM3	-	+	1.02428
482	5475	PPEF1	805	CALM2	-	+	1.02428
483	5475	PPEF1	801	CALM1	-	+	1.02428
484	5894	RAF1	993	CDC25A	-	+	1.02221
485	11218	DDX20	6635	SNRPE	-	+	1.02210
486	10859	LILRB1	3107	HLA-C	-	+	1.02158
487	8900	CCNA1	983	CDC2	-	+	1.02120
488	5777	PTPN6	634	CEACAM1	-	+	1.02061

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
489	10273	STUB1	573	BAG1	-	+	1.02044
490	6277	S100A6	6285	S100B	-	+	1.01942
491	3133	HLA-E	567	B2M	-	+	1.01902
492	3190	HNRPK	5094	PCBP2	-	+	1.01896
493	488	ATP2A2	5350	PLN	-	+	1.01842
494	5329	PLAUR	7448	VTN	-	+	1.01686
495	5579	PRKCB1	5597	MAPK6	-	+	1.01673
496	5914	RARA	6256	RXRA	-	+	1.01672
497	6714	SRC	7189	TRAF6	-	+	1.01543
498	23339	VPS39	23339	VPS39	-	+	1.01525
499	2885	GRB2	5573	PRKAR1A	-	+	1.01497
500	1017	CDK2	5757	PTMA	-	+	1.01406
501	5217	PFN2	60	ACTB	-	+	1.01401
502	5777	PTPN6	971	CD72	-	+	1.01346
503	26353	HSPB8	26353	HSPB8	-	+	1.01280
504	2534	FYN	983	CDC2	-	+	1.01238
505	3105	HLA-A	4103	MAGEA4	-	+	1.01217
506	3308	HSPA4	8841	HDAC3	-	+	1.01157
507	5347	PLK1	5682	PSMA1	-	+	1.01147
508	26073	POLDIP2	5111	PCNA	-	+	1.01068
509	2534	FYN	9094	UNC119	-	+	1.01053
510	26136	TES	87	ACTN1	-	+	1.01035
511	4771	NF2	4771	NF2	-	+	1.01013
512	10273	STUB1	3320	HSPCA	-	+	1.01007
513	5315	PKM2	5315	PKM2	-	+	1.01003
514	3122	HLA-DRA	3123	HLA-DRB1	-	+	1.01002
515	302	ANXA2	5327	PLAT	-	+	1.01000
516	207	AKT1	5894	RAF1	-	+	1.00905
517	2810	SFN	2908	NR3C1	-	+	1.00890
518	11033	CENTA1	4691	NCL	-	+	1.00860
519	9138	ARHGEF1	9138	ARHGEF1	-	+	1.00832
520	4176	MCM7	5925	RB1	-	+	1.00818
521	3113	HLA-DPA1	920	CD4	-	+	1.00791
522	55367	LRDD	8738	CRADD	-	+	1.00651
523	3122	HLA-DRA	3732	CD82	-	+	1.00624
524	3932	LCK	960	CD44	-	+	1.00599
525	3785	KCNQ2	808	CALM3	-	+	1.00593
526	3785	KCNQ2	805	CALM2	-	+	1.00593
527	3785	KCNQ2	801	CALM1	-	+	1.00593
528	10912	GADD45G	983	CDC2	-	+	1.00566
529	55367	LRDD	835	CASP2	-	+	1.00544
530	10859	LILRB1	3106	HLA-B	-	+	1.00512
531	2213	FCGR2B	325	APCS	-	+	1.00499
532	1983	EIF5	8666	EIF354	-	+	1.00490
533	5155	PDGFB	5155	PDGFB	-	+	1.00488
534	6810	STXA4	8674	VAMP4	+	-	1.00481
535	351	APP	811	CALR	-	+	1.00423
536	3105	HLA-A	567	B2M	-	+	1.00371
537	10859	LILRB1	3105	HLA-A	-	+	1.00364
538	4438	MSH4	4439	MSH5	-	+	1.00355
539	5347	PLK1	5687	PSMA6	-	+	1.00324
540	2022	ENG	90	ACVR1	-	+	1.00322
541	2267	FGL1	2267	FGL1	-	+	1.00321
542	2963	GTF2F2	2963	GTF2F2	-	+	1.00316
543	7535	ZAP70	868	CSF1	-	+	1.00315
544	2209	FCGR1A	325	APCS	-	+	1.00309
545	7157	TP53	7341	SUMO1	-	+	1.00305
546	5347	PLK1	5685	PSMA4	-	+	1.00303
547	5979	RET	6714	SRC	-	+	1.00272
548	5720	PSME1	5720	PSME1	-	+	1.00269
549	7186	TRAF2	8767	RIPK2	-	+	1.00265
550	5159	PDGFRB	6642	SNX1	-	+	1.00262
551	27336	HTATSF1	2963	GTF2F2	-	+	1.00226
552	156	ADRBK1	5579	PRKCB1	-	+	1.00223
553	7186	TRAF2	7186	TRAF2	+	+	1.00221
554	2162	F13A1	2162	F13A1	-	+	1.00196
555	3107	HLA-C	3804	KIR2DL3	-	+	1.00172
556	1027	CDKN1B	6502	SKP2	-	+	1.00167
557	2597	GAPD	2597	GAPD	-	+	1.00150
558	369	ARAF	5605	MAP2K2	-	+	1.00140
559	11183	MAP4K5	7186	TRAF2	-	+	1.00124
560	23636	NUP62	23636	NUP62	-	+	1.00123
561	6772	STAT1	6772	STAT1	-	+	1.00122
562	7337	UBE3A	9246	UBE2L6	-	+	1.00112
563	4292	MLH1	4438	MSH4	-	+	1.00093
564	5350	PLN	6588	SLN	-	+	1.00065
565	4090	SMAD5	90	ACVR1	-	+	1.00043
566	5990	RFX2	5991	RFX3	-	+	1.00024
567	2944	GSTM1	2944	GSTM1	-	+	1.00020
568	4909	NTF5	4909	NTF5	-	+	1.00015
569	164	AP1G1	164	AP1G1	-	+	1.00015
570	329	BIRC2	8767	RIPK2	-	+	1.00006
571	7170	TPM3	7170	TPM3	-	+	0.99995
572	657	BMPRIA	657	BMPRIA	-	+	0.99992
573	1004	CDH6	28513	CDH19	-	+	0.99992
574	1604	DAF	3932	LCK	-	+	0.99984
575	55367	LRDD	8772	FADD	-	+	0.99961
576	51517	NCKIPSD	8440	NCK2	+	-	0.99955
577	34	ACADM	34	ACADM	-	+	0.99950

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
578	4691	NCL	6282	S100A11	-	+	0.99938
579	1398	CRK	23624	CBLC	-	+	0.99937
580	652	BMP4	652	BMP4	-	+	0.99921
581	10063	COX17	10063	COX17	-	+	0.99911
582	23032	USP33	6923	TCEB2	-	+	0.99907
583	5452	POU2F2	5452	POU2F2	-	+	0.99890
584	3075	CFH	3078	CFHL1	-	+	0.99880
585	2885	GRB2	6352	CCL5	-	+	0.99879
586	336	APOA2	336	APOA2	-	+	0.99867
587	2194	FASN	2194	FASN	-	+	0.99859
588	865	CBFB	865	CBFB	-	+	0.99857
589	5308	PITX2	5308	PITX2	-	+	0.99840
590	4176	MCM7	7337	UBE3A	-	+	0.99837
591	1390	CREM	997	CDC34	-	+	0.99828
592	3065	HDAC1	9869	SETDB1	-	+	0.99828
593	4292	MLH1	5378	PMS1	-	+	0.99826
594	10923	PC4	10923	PC4	-	+	0.99822
595	8767	RIPK2	8837	CFLAR	-	+	0.99820
596	1398	CRK	5156	PDGFRA	-	+	0.99796
597	8048	CSRP3	87	ACTN1	-	+	0.99795
598	3320	HSPCA	6449	SGTA	-	+	0.99794
599	55748	CNDP2	55748	CNDP2	-	+	0.99792
600	4049	LTA	4049	LTA	-	+	0.99788
601	3065	HDAC1	57708	MI-ER1	-	+	0.99785
602	1398	CRK	5159	PDGFRB	-	+	0.99784
603	4089	SMAD4	8945	BTRC	-	+	0.99783
604	5440	POLR2K	5440	POLR2K	-	+	0.99782
605	2040	STOM	2040	STOM	-	+	0.99778
606	325	APCS	325	APCS	-	+	0.99775
607	5997	RG52	9276	COPB2	-	+	0.99767
608	1017	CDK2	5583	PRKCH	-	+	0.99765
609	5054	SERPINE1	7448	VTN	-	+	0.99763
610	23032	USP33	6921	TCEB1	-	+	0.99763
611	5660	PSAP	5660	PSAP	-	+	0.99758
612	5245	PHB	5933	RBL1	-	+	0.99757
613	6274	S100A3	6274	S100A3	-	+	0.99756
614	10401	PIAS3	6774	STAT3	-	+	0.99756
615	1984	EIF5A	6125	RPL5	-	+	0.99753
616	3732	CD82	920	CD4	-	+	0.99748
617	6449	SGTA	6449	SGTA	-	+	0.99747
618	6844	VAMP2	9217	VAPB	-	+	0.99746
619	23468	CBX5	3930	LBR	-	+	0.99746
620	6843	VAMP1	9217	VAPB	-	+	0.99739
621	1382	CRABP2	896	CCND3	-	+	0.99738
622	3109	HLA-DMB	3112	HLA-DOB	-	+	0.99738
623	4760	NEUROD1	808	CALM3	-	+	0.99738
624	4760	NEUROD1	805	CALM2	-	+	0.99738
625	4760	NEUROD1	801	CALM1	-	+	0.99738
626	1263	PLK3	995	CDC25C	-	+	0.99734
627	4830	NME1	4832	NME3	+	+	0.99732
628	5350	PLN	6271	S100A1	-	+	0.99726
629	7037	TFRC	7037	TFRC	-	+	0.99725
630	7424	VEGFC	7424	VEGFC	-	+	0.99724
631	9094	UNC119	919	CD3Z	-	+	0.99719
632	328	APEX1	6418	SET	-	+	0.99718
633	5991	RFX3	5992	RFX4	-	+	0.99716
634	10521	DDX17	3065	HDAC1	-	+	0.99714
635	6844	VAMP2	8676	STX11	-	+	0.99714
636	1432	MAPK14	5608	MAP2K6	-	+	0.99711
637	3065	HDAC1	6304	SATB1	-	+	0.99710
638	7052	TGM2	7052	TGM2	-	+	0.99710
639	8904	CPNE1	8904	CPNE1	-	+	0.99708
640	100	ADA	2908	NR3C1	-	+	0.99708
641	51776	ZAK	51776	ZAK	-	+	0.99707
642	2280	FKBP1A	5534	PPP3R1	-	+	0.99707
643	3956	LGALS1	3959	LGALS3BP	-	+	0.99707
644	3726	JUNB	4088	SMAD3	-	+	0.99706
645	1104	CHC1	5757	PTMA	-	+	0.99706
646	5269	SERPINB6	5624	PROC	-	+	0.99704
647	1163	CKS1B	1163	CKS1B	-	+	0.99704
648	10859	LILRB1	3135	HLA-G	-	+	0.99704
649	5925	RB1	7052	TGM2	-	+	0.99702
650	5802	PTPRS	8500	PPFIA1	-	+	0.99701
651	2697	GJA1	6271	S100A1	-	+	0.99699
652	335	APOA1	335	APOA1	-	+	0.99698
653	5037	PBP	5037	PBP	-	+	0.99696
654	2919	CXCL1	2919	CXCL1	-	+	0.99695
655	9518	GDF15	9518	GDF15	-	+	0.99694
656	1163	CKS1B	6502	SKP2	-	+	0.99694
657	51567	TTRAP	958	CD40	-	+	0.99691
658	567	B2M	909	CD1A	-	+	0.99689
659	875	CBS	875	CBS	+	+	0.99687
660	5184	PEPD	5184	PEPD	-	+	0.99687
661	11218	DDX20	6637	SNRPG	-	+	0.99686
662	7529	YWHAH	7529	YWHAH	-	+	0.99686
663	355	FAS	7341	SUMO1	-	+	0.99685
664	3133	HLA-E	3824	KLRD1	-	+	0.99685
665	3040	HBA2	3043	HBB	-	+	0.99684
666	23468	CBX5	6839	SUV39H1	+	+	0.99683

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
667	11183	MAP4K5	1398	CRK	-	+	0.99683
668	10923	PC4	3297	HSF1	-	+	0.99682
669	5894	RAF1	5925	RB1	-	+	0.99682
670	6626	SNRPA	6626	SNRPA	+	+	0.99682
671	3106	HLA-B	567	B2M	-	+	0.99682
672	5320	PLA2G2A	5320	PLA2G2A	-	+	0.99681
673	51567	TTRAP	7186	TRAF2	-	+	0.99681
674	1081	CGA	93659	CGB5	-	+	0.99681
675	10672	GNA13	5579	PRKCB1	-	+	0.99673
676	3958	LGALS3	3959	LGALS3BP	-	+	0.99672
677	6282	S100A11	6282	S100A11	-	+	0.99669
678	3399	ID3	3399	ID3	-	+	0.99669
679	481	ATP1B1	5348	FXYD1	-	+	0.99669
680	23636	NUP62	5757	PTMA	-	+	0.99669
681	4832	NME3	4832	NME3	-	+	0.99667
682	10912	GADD45G	1647	GADD45A	-	+	0.99667
683	3624	INHBA	3624	INHBA	-	+	0.99665
684	5928	RBBP4	8841	HDAC3	-	+	0.99665
685	3732	CD82	821	CANX	-	+	0.99663
686	336	APOA2	341	APOC1	-	+	0.99662
687	2280	FKBP1A	2280	FKBP1A	-	+	0.99662
688	1072	CFL1	54961	SSH3	-	+	0.99662
689	7167	TP11	7167	TP11	-	+	0.99661
690	1072	CFL1	10808	HSPH1	-	+	0.99660
691	336	APOA2	347	APOD	-	+	0.99659
692	3945	LDHB	3945	LDHB	-	+	0.99659
693	10945	KDELRL1	55738	ARFGAP1	-	+	0.99659
694	2237	FEN1	328	APEX1	-	+	0.99658
695	57142	RTN4	7384	UQCRC1	-	+	0.99658
696	10478	SLC25A17	5824	PEX19	-	+	0.99657
697	3959	LGALS3BP	3959	LGALS3BP	-	+	0.99657
698	1026	CDKN1A	6418	SET	-	+	0.99657
699	5925	RB1	6839	SUV39H1	-	+	0.99655
700	3303	HSPA1A	5830	PEX5	-	+	0.99655
701	6118	RPA2	7374	UNG	-	+	0.99654
702	3932	LCK	9094	UNC119	-	+	0.99654
703	2022	ENG	655	BMP7	-	+	0.99653
704	2775	GNAO1	6000	RGS7	-	+	0.99653
705	10923	PC4	11033	CENTA1	-	+	0.99653
706	5817	PVR	7448	VTN	-	+	0.99652
707	4833	NME4	4833	NME4	-	+	0.99647
708	6240	RRM1	6240	RRM1	-	+	0.99647
709	2624	GATA2	5914	RARA	-	+	0.99646
710	5720	PSME1	5721	PSME2	+	+	0.99646
711	655	BMP7	90	ACVR1	-	+	0.99645
712	10953	TOMM34	3320	HSPCA	-	+	0.99644
713	23062	GGA2	23062	GGA2	-	+	0.99644
714	10912	GADD45G	5468	PPARG	-	+	0.99644
715	10923	PC4	1478	CSTF2	-	+	0.99643
716	2100	ESR2	808	CALM3	-	+	0.99643
717	2100	ESR2	805	CALM2	-	+	0.99643
718	2100	ESR2	801	CALM1	-	+	0.99643
719	10013	HDAC6	79885	HDAC11	-	+	0.99642
720	335	APOA1	949	SCARB1	-	+	0.99642
721	7031	TFF1	7031	TFF1	-	+	0.99640
722	10016	PDCC6	355	FAS	-	+	0.99639
723	10013	HDAC6	22933	SIRT2	-	+	0.99639
724	10912	GADD45G	5467	PPARD	-	+	0.99639
725	836	CASP3	836	CASP3	-	+	0.99638
726	821	CANX	8720	MBTPS1	-	+	0.99638
727	5805	PTS	5805	PTS	+	-	0.99637
728	4331	MNAT1	9112	MTA1	-	+	0.99637
729	10401	PIAS3	3065	HDAC1	-	+	0.99636
730	6843	VAMP1	9218	VAPA	-	+	0.99633
731	100	ADA	2885	GRB2	-	+	0.99633
732	6347	CCL2	6347	CCL2	-	+	0.99633
733	2747	GLUD2	2747	GLUD2	-	+	0.99633
734	969	CD69	969	CD69	-	+	0.99633
735	156	ADRBK1	5957	RCV1	-	+	0.99632
736	598	BCL2L1	83985	SPINL	-	+	0.99632
737	5928	RBBP4	9112	MTA1	-	+	0.99632
738	4830	NME1	6095	RORA	-	+	0.99632
739	1017	CDK2	8900	CCNA1	-	+	0.99631
740	6675	UAP1	6675	UAP1	-	+	0.99631
741	5245	PHB	7157	TP53	-	+	0.99630
742	1511	CTSG	5473	PPBP	-	+	0.99630
743	4072	TACSTD1	4072	TACSTD1	-	+	0.99630
744	374	AREG	896	CCND3	-	+	0.99630
745	354	KLK3	5104	SERPINA5	-	+	0.99629
746	3055	HCK	9094	UNC119	-	+	0.99629
747	341	APOC1	341	APOC1	-	+	0.99628
748	9218	VAPA	9218	VAPA	-	+	0.99628
749	4292	MLH1	9156	EXO1	-	+	0.99627
750	5216	PFN1	60	ACTB	-	+	0.99627
751	4792	NFKBIA	823	CAPN1	-	+	0.99627
752	1072	CFL1	85464	SSH2	-	+	0.99627
753	3320	HSPCA	6767	ST13	-	+	0.99627
754	131034	CPNE4	60	ACTB	-	+	0.99626
755	301	ANXA1	7052	TGM2	-	+	0.99626

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
756	5990	RGS4	9276	COPB2	-	+	0.99625
757	3488	IGFBP5	5054	SERPINE1	-	+	0.99625
758	11117	EMILIN1	11117	EMILIN1	-	+	0.99624
759	4221	MEN1	5970	RELA	-	+	0.99624
760	4171	MCM2	4176	MCM7	-	+	0.99624
761	5824	PEX19	8504	PEX3	+	+	0.99624
762	1277	COL1A1	5155	PDGFB	-	+	0.99623
763	1026	CDKN1A	7083	TK1	-	+	0.99623
764	8743	TNFSF10	8743	TNFSF10	-	+	0.99621
765	10775	POP4	51367	POP5	-	+	0.99621
766	7020	TFAP2A	7157	TP53	-	+	0.99619
767	1719	DHFR	2280	FKBP1A	-	+	0.99619
768	5245	PHB	5925	RB1	-	+	0.99619
769	10226	M6PRBP1	10226	M6PRBP1	-	+	0.99619
770	5710	PSMD4	5886	RAD23A	-	+	0.99618
771	57144	PAK7	5879	RAC1	-	+	0.99618
772	1634	DCN	5320	PLA2G2A	-	+	0.99618
773	10577	NPC2	79947	DHDD5	-	+	0.99618
774	4086	SMAD1	9091	PIGQ	-	+	0.99617
775	9513	FXR2	9513	FXR2	+	+	0.99616
776	6678	SPARC	6678	SPARC	-	+	0.99616
777	358	AQP1	358	AQP1	-	+	0.99615
778	3364	HUS1	5883	RAD9A	-	+	0.99615
779	10912	GADD45G	6256	RXRA	-	+	0.99615
780	5195	PEX14	5195	PEX14	-	+	0.99614
781	3303	HSPA1A	6767	ST13	-	+	0.99613
782	3611	ILK	3987	LIMS1	-	+	0.99613
783	1514	CTSL	6256	RXRA	-	+	0.99612
784	7186	TRAF2	8877	SPHK1	-	+	0.99612
785	6304	SATB1	6304	SATB1	-	+	0.99612
786	6303	SAT	6303	SAT	+	+	0.99612
787	273	AMPH	8851	CDK5R1	-	+	0.99612
788	4057	LTF	4069	LYZ	-	+	0.99611
789	1081	CGA	1081	CGA	-	+	0.99611
790	5990	RFX2	5992	RFX4	-	+	0.99611
791	8767	RIPK2	958	CD40	-	+	0.99611
792	3383	ICAM1	3683	ITGAL	-	+	0.99610
793	6990	TCTE1L	7416	VDAC1	-	+	0.99609
794	2990	GUSB	2990	GUSB	-	+	0.99609
795	4086	SMAD1	5692	PSMB4	-	+	0.99609
796	1069	CETN2	5887	RAD23B	-	+	0.99609
797	1508	CTSB	8530	CST7	-	+	0.99608
798	4175	MCM6	4175	MCM6	+	+	0.99608
799	7052	TGM2	7280	TUBB2	-	+	0.99607
800	308	ANXA5	71	ACTG1	-	+	0.99607
801	635	BHMT	635	BHMT	+	+	0.99607
802	1647	GADD45A	6256	RXRA	-	+	0.99606
803	6256	RXRA	9025	RNF8	-	+	0.99606
804	4282	MIF	4282	MIF	-	+	0.99605
805	4605	MYBL2	8900	CCNA1	-	+	0.99604
806	1104	CHC1	1104	CHC1	-	+	0.99603
807	60	ACTB	8904	CPNE1	-	+	0.99602
808	325	APCS	813	CALU	-	+	0.99602
809	1511	CTSG	6382	SDC1	-	+	0.99602
810	5701	PSMC2	5704	PSMC4	-	+	0.99600
811	2769	GNAI5	7265	TTC1	-	+	0.99600
812	9217	VAPB	9217	VAPB	-	+	0.99600
813	1160	CKMT2	1160	CKMT2	-	+	0.99600
814	5304	PIP	920	CD4	-	+	0.99600
815	8890	EIF2B4	8890	EIF2B4	-	+	0.99599
816	216	ALDH1A1	216	ALDH1A1	+	+	0.99599
817	3816	KLK1	5267	SERPINA4	-	+	0.99598
818	10026	PIGK	8733	GPAA1	-	+	0.99598
819	28988	DBNL	7535	ZAP70	-	+	0.99598
820	22916	NCBP2	4686	NCBP1	-	+	0.99596
821	4690	NCK1	8892	EIF2B2	-	+	0.99596
822	1514	CTSL	8530	CST7	-	+	0.99596
823	3297	HSF1	6772	STAT1	-	+	0.99596
824	6279	S100A8	6279	S100A8	-	+	0.99595
825	26229	B3GAT3	26229	B3GAT3	-	+	0.99594
826	1870	E2F2	23429	RYBP	-	+	0.99594
827	3002	GZMB	5552	PRG1	-	+	0.99592
828	2958	GTF2A2	9519	TBPL1	-	+	0.99592
829	7390	UROS	7390	UROS	-	+	0.99592
830	1432	MAPK14	4205	MEF2A	-	+	0.99592
831	23214	XPO6	60	ACTB	-	+	0.99592
832	1638	DCT	1638	DCT	-	+	0.99592
833	6844	VAMP2	9218	VAPA	-	+	0.99592
834	865	CBFB	9139	CBFA2T2	-	+	0.99591
835	6035	RNASE1	6035	RNASE1	-	+	0.99591
836	2246	FGF1	2246	FGF1	-	+	0.99590
837	6678	SPARC	7052	TGM2	-	+	0.99588
838	1678	TIMM8A	8027	STAM	-	+	0.99588
839	5810	RAD1	5883	RAD9A	-	+	0.99588
840	1647	GADD45A	983	CDC2	-	+	0.99588
841	2313	FLI1	2623	GATA1	-	+	0.99587
842	2697	GJA1	2702	GJA5	-	+	0.99586
843	81	ACTN4	9124	PDLIM1	+	+	0.99586
844	835	CASP2	840	CASP7	-	+	0.99586



No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
845	2113	ETS1	7329	UBE2I	-	+	0.99585
846	328	APEX1	4830	NME1	-	+	0.99582
847	4909	NTF5	627	BDNF	-	+	0.99582
848	2885	GRB2	971	CD72	-	+	0.99581
849	5970	RELA	64320	RNF25	-	+	0.99581
850	2885	GRB2	5716	PSMD10	-	+	0.99581
851	5925	RB1	8507	ENC1	-	+	0.99581
852	57142	RTN4	598	BCL2L1	-	+	0.99579
853	11218	DDX20	27161	EIF2C2	-	+	0.99579
854	3251	HPRT1	3251	HPRT1	-	+	0.99578
855	2720	GLB1	4758	NEU1	-	+	0.99578
856	4605	MYBL2	4605	MYBL2	-	+	0.99577
857	10401	PIAS3	4088	SMAD3	-	+	0.99577
858	10987	COP55	4282	MIF	-	+	0.99574
859	328	APEX1	3303	HSPA1A	-	+	0.99572
860	3106	HLA-B	4100	MAGEA1	-	+	0.99572
861	10537	UBD	4085	MAD2L1	-	+	0.99572
862	5277	PIGA	9091	PIGQ	-	+	0.99572
863	22948	CCT5	59	ACTA2	-	+	0.99571
864	6376	CX3CL1	6376	CX3CL1	-	+	0.99570
865	23214	XPO6	5216	PFN1	-	+	0.99570
866	4005	LMO2	4005	LMO2	-	+	0.99569
867	25801	GCA	6717	SRI	-	+	0.99569
868	55737	VPS35	6642	SNX1	-	+	0.99569
869	3162	HMOX1	3162	HMOX1	-	+	0.99568
870	10549	PRDX4	5052	PRDX1	-	+	0.99568
871	114569	MAL2	7164	TPD52L1	-	+	0.99566
872	10672	GNA13	6004	RGS16	-	+	0.99565
873	9522	SCAMP1	9522	SCAMP1	-	+	0.99564
874	5347	PLK1	5692	PSMB4	-	+	0.99564
875	10549	PRDX4	10549	PRDX4	-	+	0.99564
876	5834	PYGB	87	ACTN1	-	+	0.99564
877	301	ANXA1	6282	S100A11	-	+	0.99563
878	10469	TIMM44	10469	TIMM44	-	+	0.99563
879	26993	AKAP8L	3930	LBR	-	+	0.99563
880	3320	HSPCA	5170	PDPK1	-	+	0.99562
881	3050	HBZ	3050	HBZ	-	+	0.99562
882	10434	LYPLA1	10434	LYPLA1	-	+	0.99558
883	2539	G6PD	2539	G6PD	-	+	0.99556
884	50855	PAR6A	5879	RAC1	-	+	0.99555
885	2022	ENG	3624	INHBA	-	+	0.99555
886	2272	FHIT	7329	UBE2I	-	+	0.99553
887	9227	LRAT	9227	LRAT	-	+	0.99551
888	1072	CFL1	59	ACTA2	-	+	0.99551
889	5269	SERPINB6	5328	PLAU	-	+	0.99550
890	5468	PPARG	8841	HDAC3	-	+	0.99550
891	6241	RRM2	7157	TP53	-	+	0.99550
892	3109	HLA-DMB	3732	CD82	-	+	0.99548
893	2203	FBP1	2203	FBP1	+	+	0.99548
894	25801	GCA	3936	LCPI	-	+	0.99544
895	64689	GORASP1	64689	GORASP1	-	+	0.99543
896	3488	IGFBP5	6696	SPP1	-	+	0.99543
897	7276	TTR	7276	TTR	-	+	0.99543
898	7024	TFCP2	7024	TFCP2	-	+	0.99541
899	3398	ID2	3398	ID2	-	+	0.99541
900	10253	SPRY2	23624	CBLC	-	+	0.99541
901	5347	PLK1	5691	PSMB3	-	+	0.99539
902	10026	PIGK	250	ALPP	-	+	0.99538
903	10097	ACTR2	3059	HCLS1	-	+	0.99537
904	4835	NQO2	4835	NQO2	-	+	0.99535
905	23474	ETHE1	5970	RELA	-	+	0.99535
906	4179	MCP	6714	SRC	-	+	0.99533
907	10902	BRD8	6256	RXRA	-	+	0.99533
908	6888	TALDO1	6888	TALDO1	-	+	0.99531
909	655	BMP7	657	BMPRIA	-	+	0.99531
910	140461	ASB8	6921	TCEB1	-	+	0.99530
911	51433	ANAPC5	996	CDC27	-	+	0.99530
912	4594	MUT	4594	MUT	-	+	0.99530
913	6232	RPS27	6232	RPS27	-	+	0.99530
914	5055	SERPINB2	5925	RB1	-	+	0.99529
915	2071	ERCC3	7157	TP53	-	+	0.99528
916	8454	CUL1	8454	CUL1	-	+	0.99522
917	2948	GSTM4	2948	GSTM4	-	+	0.99522
918	5054	SERPINE1	5054	SERPINE1	-	+	0.99521
919	11218	DDX20	6632	SNRPD1	-	+	0.99517
920	2203	FBP1	87	ACTN1	-	+	0.99510
921	3074	HEXB	3074	HEXB	-	+	0.99507
922	1621	DBH	1621	DBH	-	+	0.99503
923	5473	PPBP	5473	PPBP	-	+	0.99498
924	6502	SKP2	997	CDC34	-	+	0.99489
925	6256	RXRA	7704	ZBTB16	-	+	0.99459
926	1504	CTRB1	5265	SERPINA1	-	+	0.99331
927	1743	DLST	4967	OGDH	-	+	0.99314
928	2266	FGG	7448	VTN	-	+	0.99259
929	5894	RAF1	7529	YWHAB	-	+	0.99195
930	2175	FANCA	27131	SNX5	-	+	0.99187
931	6678	SPARC	7040	TGFB1	-	+	0.99158
932	5465	PPARA	5465	PPARA	-	+	0.99140
933	7189	TRAF6	8767	RIPK2	-	+	0.99135

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
934	2908	NR3C1	291	SLC25A4	-	+	0.99044
935	3552	IL1A	4704	NFKBIE	-	+	0.99008
936	6775	STAT4	9063	PIAS2	-	+	0.98982
937	10487	CAP1	1072	CFL1	-	+	0.98982
938	1634	DCN	7040	TGFB1	-	+	0.98939
939	3987	LIMS1	8440	NCK2	-	+	0.98938
940	5199	PFC	629	BF	-	+	0.98909
941	4089	SMAD4	4093	SMAD9	+	-	0.98889
942	3122	HLA-DRA	3125	HLA-DRB3	-	+	0.98843
943	2885	GRB2	5747	PTK2	-	+	0.98834
944	2131	EXT1	2131	EXT1	-	+	0.98822
945	2010	EMD	26993	AKAP8L	-	+	0.98795
946	836	CASP3	8615	VDP	-	+	0.98734
947	4172	MCM3	4175	MCM6	-	+	0.98730
948	1280	COL2A1	7040	TGFB1	-	+	0.98698
949	3065	HDAC1	5928	RBBP4	-	+	0.98692
950	5371	PML	7341	SUMO1	-	+	0.98675
951	3303	HSPA1A	7157	TP53	-	+	0.98647
952	2131	EXT1	2132	EXT2	-	+	0.98609
953	2266	FGG	5104	SERPINA5	-	+	0.98604
954	3688	ITGB1	3959	LGALS3BP	-	+	0.98554
955	10401	PIAS3	4089	SMAD4	-	+	0.98547
956	3109	HLA-DMB	3122	HLA-DRA	-	+	0.98385
957	6352	CCL5	6382	SDC1	-	+	0.98337
958	309	ANXA6	5921	RASA1	-	+	0.98179
959	2534	FYN	7297	TYK2	-	+	0.98149
960	10273	STUB1	3337	DNAJB1	-	+	0.98147
961	1977	EIF4E	8672	EIF4G3	-	+	0.98108
962	4691	NCL	4869	NPM1	-	+	0.98055
963	29760	BLNK	7409	VAV1	-	+	0.97839
964	6256	RXRA	8721	EDF1	-	+	0.97797
965	7389	UROD	7389	UROD	-	+	0.97792
966	10808	HSPH1	3312	HSPA8	-	+	0.97754
967	4690	NCK1	5879	RAC1	-	+	0.97739
968	2908	NR3C1	6776	STAT5A	-	+	0.97652
969	1020	CDK5	2580	GAK	-	+	0.97540
970	5905	RANGAP1	5905	RANGAP1	-	+	0.97507
971	2100	ESR2	57109	XPMC2H	-	+	0.97454
972	10273	STUB1	3303	HSPA1A	-	+	0.97380
973	3123	HLA-DRB1	3123	HLA-DRB1	-	+	0.97356
974	5810	RAD1	5884	RAD17	-	+	0.97326
975	1072	CFL1	71	ACTG1	+	-	0.97303
976	7408	VASP	7454	WAS	-	+	0.97277
977	2157	F8	811	CALR	-	+	0.97168
978	3134	HLA-F	6890	TAP1	-	+	0.97088
979	23429	RYBP	6015	RING1	+	+	0.97073
980	1072	CFL1	60	ACTB	+	-	0.96841
981	468	ATF4	4779	NFE2L1	-	+	0.96698
982	5970	RELA	7088	TLE1	-	+	0.96601
983	4688	NCF2	5879	RAC1	-	+	0.96512
984	29956	LASS2	527	ATP6V0C	-	+	0.96491
985	10656	KHDRBS3	10656	KHDRBS3	-	+	0.96389
986	5777	PTPN6	7535	ZAP70	-	+	0.96376
987	10062	NR1H3	5465	PPARA	-	+	0.96324
988	3937	LCP2	6464	SHC1	-	+	0.96267
989	4929	NR4A2	6256	RXRA	-	+	0.96258
990	23429	RYBP	7528	YY1	-	+	0.96252
991	10538	BATF	4783	NFIL3	-	+	0.96209
992	5590	PRKCZ	5607	MAP2K5	-	+	0.96101
993	5914	RARA	7704	ZBTB16	-	+	0.96021
994	2624	GATA2	7704	ZBTB16	-	+	0.96002
995	1173	AP2M1	2580	GAK	-	+	0.95987
996	1432	MAPK14	1846	DUSP4	-	+	0.95905
997	51806	CALML5	7414	VCL	-	+	0.95771
998	1277	COL1A1	3678	ITGA5	-	+	0.95582
999	840	CASP7	840	CASP7	-	+	0.95559
1000	3937	LCP2	84106	PRAM-1	-	+	0.95484
1001	23640	HSPBP1	3306	HSPA2	+	-	0.95428
1002	3718	JAK3	8027	STAM	-	+	0.95148
1003	29979	UBQLN1	5664	PSEN2	-	+	0.95120
1004	23136	EPB41L3	7529	YWHAB	-	+	0.94998
1005	2813	GP2	2813	GP2	-	+	0.94902
1006	3303	HSPA1A	3855	KRT7	-	+	0.94898
1007	5777	PTPN6	7409	VAV1	-	+	0.94853
1008	2908	NR3C1	7329	UBE2I	-	+	0.94744
1009	4086	SMAD1	51588	PIAS4	-	+	0.94671
1010	4286	MITF	7942	TFEB	-	+	0.94422
1011	6257	RXRB	8856	NR1I2	-	+	0.94332
1012	3932	LCK	920	CD4	-	+	0.94292
1013	4632	MYL1	59	ACTA2	-	+	0.94141
1014	5104	SERPINA5	5328	PLAU	-	+	0.94114
1015	4088	SMAD3	5933	RBL1	-	+	0.94024
1016	2214	FCGR3A	952	CD38	-	+	0.94010
1017	3853	KRT6A	3866	KRT15	+	-	0.93857
1018	5300	PIN1	7157	TP53	-	+	0.93675
1019	7408	VASP	7791	ZYX	-	+	0.93670
1020	23678	SGKL	2932	GSK3B	-	+	0.93321
1021	4088	SMAD3	996	CDC27	-	+	0.93285
1022	3113	HLA-DPA1	3115	HLA-DPB1	-	+	0.93279

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
1023	10538	BATF	468	ATF4	-	+	0.93148
1024	835	CASP2	8738	CRADD	-	+	0.93028
1025	23640	HSPBP1	3312	HSPA8	+	+	0.93010
1026	587	BCAT2	587	BCAT2	-	-	0.92875
1027	7186	TRAF2	7704	ZBTB16	+	-	0.92780
1028	2534	FYN	9672	SDC3	-	+	0.92650
1029	6648	SOD2	6648	SOD2	-	+	0.92637
1030	3312	HSPA8	7203	CCT3	-	+	0.92537
1031	10399	GNB2L1	3693	ITGB5	-	+	0.92336
1032	3854	KRT6B	3866	KRT15	+	-	0.92326
1033	10273	STUB1	3312	HSPA8	-	+	0.92308
1034	3364	HUS1	5884	RAD17	-	+	0.92261
1035	1635	DCTD	1635	DCTD	+	+	0.92217
1036	10818	FRS2	5781	PTPN11	-	+	0.91962
1037	4176	MCM7	4331	MNAT1	-	+	0.91904
1038	2214	FCGR3A	325	APCS	-	+	0.91808
1039	2932	GSK3B	5747	PTK2	-	+	0.91685
1040	3624	INHBA	91	ACVR1B	-	+	0.91677
1041	2357	FPR1	2771	GNAI2	-	+	0.91552
1042	5468	PPARG	8721	EDF1	-	+	0.91528
1043	6810	STX4A	8773	SNAP23	-	+	0.91179
1044	5498	PPOX	5498	PPOX	-	+	0.91123
1045	6714	SRC	7454	WAS	-	+	0.91106
1046	1432	MAPK14	9149	DYRK1B	-	+	0.91046
1047	11100	HNRPUL1	3275	HRMT1L1	-	+	0.91031
1048	3903	LAIR1	5777	PTPN6	-	+	0.90965
1049	10053	AP1M2	1174	AP1S1	-	+	0.90849
1050	3164	NR4A1	6258	RXRG	-	+	0.90657
1051	23291	FBXW11	8945	BTRC	-	+	0.90641
1052	3135	HLA-G	6890	TAP1	-	+	0.90489
1053	2059	EPS8	2059	EPS8	+	+	0.90466
1054	10399	GNB2L1	3689	ITGB2	-	+	0.90438
1055	2596	GAP43	805	CALM2	-	+	0.90259
1056	2596	GAP43	801	CALM1	-	+	0.90259
1057	59349	KLHL12	59349	KLHL12	+	-	0.90147
1058	26234	FBXL5	6500	SKP1A	-	+	0.89969
1059	3107	HLA-C	567	B2M	-	+	0.89965
1060	29956	LASS2	433	ASGR2	-	+	0.89951
1061	23640	HSPBP1	3303	HSPA1A	-	+	0.89844
1062	3688	ITGB1	3732	CD82	-	+	0.89783
1063	7132	TNFRSF1A	7186	TRAF2	-	+	0.89642
1064	2162	F13A1	2266	FGG	-	+	0.89337
1065	3561	IL2RG	6776	STAT5A	-	+	0.89160
1066	6616	SNAP25	8676	STX11	+	-	0.88972
1067	10016	PDCD6	10016	PDCD6	+	-	0.88970
1068	29760	BLNK	971	CD72	-	+	0.88917
1069	10254	STAM2	3718	JAK3	-	+	0.88750
1070	3903	LAIR1	5781	PTPN11	-	+	0.88466
1071	5104	SERPINA5	5624	PROC	-	+	0.88463
1072	30818	CSEN	5664	PSEN2	-	+	0.88462
1073	4771	NF2	7430	VIL2	-	+	0.88262
1074	1281	COL3A1	6678	SPARC	-	+	0.88260
1075	3002	GZMB	5272	SERPINB9	-	+	0.88246
1076	1017	CDK2	1017	CDK2	-	+	0.88204
1077	3937	LCP2	5336	PLCG2	-	+	0.88187
1078	4149	MAX	4610	MYCL1	-	+	0.88105
1079	4086	SMAD1	79753	SNIP1	-	+	0.88073
1080	2071	ERCC3	5705	PSMC5	-	+	0.88020
1081	2947	GSTM3	2947	GSTM3	+	-	0.87953
1082	3106	HLA-B	3811	KIR3DL1	-	+	0.87915
1083	4176	MCM7	5933	RBL1	-	+	0.87788
1084	8764	TNFRSF14	8841	HDAC3	-	+	0.87746
1085	207	AKT1	3320	HSPCA	-	+	0.87540
1086	5468	PPARG	5468	PPARG	-	+	0.87530
1087	6860	SYT4	6860	SYT4	-	+	0.87394
1088	58	ACTA1	6525	SMTN	-	+	0.87371
1089	2908	NR3C1	573	BAG1	-	+	0.87303
1090	10054	UBA2	10055	SAE1	+	-	0.87293
1091	51684	SUFU	8945	BTRC	-	+	0.87031
1092	760	CA2	9498	SLC4A8	-	+	0.86958
1093	3817	KLK2	5104	SERPINA5	-	+	0.86734
1094	3726	JUNB	8061	FOSL1	+	+	0.86640
1095	5905	RANGAP1	7329	UBE2I	-	+	0.86606
1096	3932	LCK	995	CDC25C	-	+	0.86592
1097	156	ADRBK1	23413	FREQ	-	+	0.86554
1098	3005	H1FO	3838	KPNA2	-	+	0.86268
1099	5894	RAF1	7531	YWHAE	-	+	0.86168
1100	3678	ITGA5	6696	SPP1	-	+	0.86048
1101	7008	TEF	7008	TEF	-	+	0.85882
1102	2534	FYN	919	CD3Z	-	+	0.85850
1103	4221	MEN1	7431	VIM	-	+	0.85829
1104	3303	HSPA1A	7917	BAT3	-	+	0.85775
1105	6925	TCF4	808	CALM3	-	+	0.85263
1106	6925	TCF4	805	CALM2	-	+	0.85263
1107	6925	TCF4	801	CALM1	-	+	0.85263
1108	4174	MCM5	4998	ORC1L	-	+	0.85200
1109	4089	SMAD4	5933	RBL1	-	+	0.84985
1110	22797	TFEC	7942	TFEB	-	+	0.84984
1111	3107	HLA-C	811	CALR	-	+	0.84669

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
1112	3937	LCP2	6850	SYK	-	+	0.84644
1113	7704	ZBTB16	862	RUNX1T1	-	+	0.84621
1114	1159	CKMT1	1159	CKMT1	-	+	0.84432
1115	156	ADRBK1	857	CAV1	-	+	0.84401
1116	5468	PPARG	6256	RXRA	-	+	0.84256
1117	1385	CREB1	1432	MAPK14	-	+	0.84254
1118	2908	NR3C1	7041	TGFB1I1	-	+	0.84241
1119	6810	STX4A	6860	SYT4	-	+	0.84185
1120	3569	IL6	5744	PTHLH	-	+	0.84162
1121	7414	VCL	7414	VCL	-	+	0.84113
1122	2908	NR3C1	6774	STAT3	-	+	0.84059
1123	4001	LMNB1	5630	PRPH	-	+	0.84021
1124	5478	PPIA	5534	PPP3R1	-	+	0.83828
1125	5590	PRKCZ	7529	YWHAB	-	+	0.83819
1126	5883	RAD9A	598	BCL2L1	-	+	0.83727
1127	1288	COL4A6	5008	OSM	-	+	0.83589
1128	5347	PLK1	5684	PSMA3	-	+	0.83480
1129	10928	RALBP1	5879	RAC1	-	+	0.83445
1130	5467	PPARD	5467	PPARD	-	+	0.83352
1131	351	APP	6464	SHC1	-	+	0.83301
1132	8900	CCNA1	993	CDC25A	-	+	0.83275
1133	1911	PHC1	1912	PHC2	+	-	0.83048
1134	207	AKT1	3611	ILK	-	+	0.82791
1135	1756	DMD	1756	DMD	-	+	0.82777
1136	10432	RBM14	6895	TARBP2	-	+	0.82615
1137	4591	TRIM37	9787	DLG7	+	-	0.82590
1138	2534	FYN	960	CD44	-	+	0.82587
1139	5777	PTPN6	6850	SYK	-	+	0.82571
1140	1856	DVL2	1856	DVL2	+	-	0.82312
1141	7277	TUBA1	794	CALB2	-	+	0.82248
1142	10987	COP55	4089	SMAD4	-	+	0.82238
1143	653	BMP5	657	BMPRI1A	-	+	0.81990
1144	22877	MONDOA	7529	YWHAB	-	+	0.81955
1145	5925	RB1	9984	THOC1	-	+	0.81947
1146	1432	MAPK14	995	CDC25C	-	+	0.81871
1147	26959	HBP1	4086	SMAD1	-	+	0.81829
1148	1017	CDK2	4088	SMAD3	-	+	0.81806
1149	4093	SMAD9	90	ACVR1	-	+	0.81327
1150	23136	EPB41L3	7532	YWHAG	-	+	0.81269
1151	25801	GCA	25801	GCA	-	+	0.81155
1152	1524	CX3CR1	6376	CX3CL1	-	+	0.81113
1153	1601	DAB2	5300	PIN1	-	+	0.81036
1154	87	ACTN1	9499	TTID	-	+	0.80761
1155	10298	PAK4	3693	ITGB5	-	+	0.80408
1156	4088	SMAD3	7052	TGM2	-	+	0.80358
1157	1288	COL4A6	1634	DCN	-	+	0.80343
1158	598	BCL2L1	7157	TP53	-	+	0.79995
1159	3932	LCK	5894	RAF1	-	+	0.79987
1160	1026	CDKN1A	1027	CDKN1B	-	+	0.79873
1161	3065	HDAC1	862	RUNX1T1	-	+	0.79795
1162	4085	MAD2L1	996	CDC27	-	+	0.79728
1163	2770	GNAI1	5147	PDE6D	-	+	0.79697
1164	1073	CFL2	60	ACTB	+	-	0.79631
1165	2885	GRB2	7132	TNFRSF1A	-	+	0.79615
1166	51765	RP6-213H19.1	5894	RAF1	-	+	0.79611
1167	6925	TCF4	9242	MSC	-	+	0.79308
1168	11275	KLHL2	59349	KLHL12	+	-	0.79119
1169	10174	SCAM-1	10278	EFS	+	-	0.79063
1170	4436	MSH2	9156	EXO1	-	+	0.78996
1171	1280	COL2A1	7045	TGFBI	-	+	0.78980
1172	1277	COL1A1	22918	C1QR1	-	+	0.78939
1173	131034	CPNE4	8904	CPNE1	-	+	0.78741
1174	5590	PRKCZ	5894	RAF1	-	+	0.78722
1175	10483	SEC23B	9632	SEC24C	+	-	0.78674
1176	3303	HSPA1A	5757	PTMA	-	+	0.78670
1177	2065	ERBB3	6464	SHC1	-	+	0.78654
1178	10733	PLK4	2810	SFN	+	-	0.78559
1179	2932	GSK3B	2932	GSK3B	-	+	0.78409
1180	7341	SUMO1	7341	SUMO1	-	+	0.78269
1181	1737	DLAT	5164	PDK2	-	+	0.78242
1182	3106	HLA-B	3824	KLRD1	-	+	0.78140
1183	4690	NCK1	7454	WAS	-	+	0.77991
1184	1073	CFL2	71	ACTG1	+	-	0.77956
1185	51602	NOP5/NOP58	8607	RUVBL1	-	+	0.77733
1186	3297	HSF1	3303	HSPA1A	-	+	0.77685
1187	1601	DAB2	2885	GRB2	-	+	0.77672
1188	2059	EPS8	6714	SRC	-	+	0.77596
1189	3561	IL2RG	6772	STAT1	-	+	0.77589
1190	5156	PDGFRA	8723	SNX4	-	+	0.77353
1191	5824	PEX19	5825	ABCD3	-	+	0.77328
1192	9020	MAP3K14	9020	MAP3K14	-	+	0.77158
1193	10742	RAI2	1488	CTBP2	+	-	0.77122
1194	1027	CDKN1B	8900	CCNA1	-	+	0.77098
1195	11033	CENTA1	5584	PRKCI	-	+	0.77035
1196	22797	TFEC	4286	MITF	-	+	0.76967
1197	3065	HDAC1	5883	RAD9A	-	+	0.76905
1198	6500	SKP1A	8945	BTRC	-	+	0.76870
1199	3932	LCK	8878	SQSTM1	-	+	0.76837
1200	6616	SNAP25	6810	STX4A	-	+	0.76832

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
1201	7138	TNNT1	7138	TNNT1	+	-	0.76814
1202	10818	FRS2	2260	FGFR1	-	+	0.76760
1203	7157	TP53	9314	KLF4	-	+	0.76712
1204	217	ALDH2	217	ALDH2	-	+	0.76663
1205	7132	TNFRSF1A	8767	RIPK2	-	+	0.76577
1206	1128	CHRM1	2771	GNAI2	-	+	0.76519
1207	84735	CNDP1	84735	CNDP1	-	+	0.76502
1208	25827	FBXL2	6500	SKP1A	-	+	0.76311
1209	7454	WAS	9322	TRIP10	-	+	0.76296
1210	50855	PARD6A	5590	PRKCZ	+	+	0.76188
1211	1647	GADD45A	5465	PPARA	-	+	0.76009
1212	5704	PSMC4	5705	PSMC5	+	-	0.75858
1213	207	AKT1	5590	PRKCZ	-	+	0.75604
1214	11033	CENTA1	5590	PRKCZ	-	+	0.75261
1215	1737	DLAT	5163	PDK1	-	+	0.75179
1216	2331	FMOD	7040	TGFB1	-	+	0.75113
1217	3398	ID2	6925	TCF4	-	+	0.75074
1218	1026	CDKN1A	8900	CCNA1	-	+	0.75021
1219	5155	PDGFB	5156	PDGFRA	-	+	0.74999
1220	1288	COL4A6	22918	C1QR1	-	+	0.74996
1221	222546	RFXDC1	5990	RFX2	+	-	0.74960
1222	3251	HPRT1	56952	PRTFDC1	+	-	0.74911
1223	7157	TP53	7337	UBE3A	-	+	0.74815
1224	3312	HSPA8	9531	BAG3	-	+	0.74730
1225	6015	RING1	6015	RING1	-	+	0.74513
1226	222546	RFXDC1	5991	RFX3	+	-	0.74231
1227	10399	GNB2L1	7414	VCL	-	+	0.74207
1228	22916	NCBP2	3185	HNRPF	-	+	0.74169
1229	1870	E2F2	7029	TFDP2	-	+	0.74169
1230	598	BCL2L1	842	CASP9	-	+	0.73748
1231	836	CASP3	8837	CFLAR	-	+	0.73685
1232	138046	LOC138046	3183	HNRPC	+	-	0.73613
1233	2547	G22P1	5111	PCNA	-	+	0.73488
1234	332	BIRC5	840	CASP7	-	+	0.73439
1235	202559	KHDRBS2	3190	HNRPK	+	-	0.73415
1236	6240	RRM1	6241	RRM2	-	+	0.73408
1237	7132	TNFRSF1A	7329	UBE2I	-	+	0.73381
1238	4942	OAT	4942	OAT	-	+	0.73200
1239	5819	PVRL2	5819	PVRL2	-	+	0.73143
1240	3065	HDAC1	5925	RB1	-	+	0.72962
1241	1933	EEF1B2	1937	EEF1G	+	-	0.72896
1242	8676	STX11	8773	SNAP23	+	+	0.72852
1243	22858	ICK	4086	SMAD1	-	+	0.72833
1244	3053	SERPIND1	3053	SERPIND1	-	+	0.72764
1245	26190	FBXW2	6500	SKP1A	-	+	0.72724
1246	7409	VAV1	998	CDC42	-	+	0.72691
1247	4841	NONO	4841	NONO	+	-	0.72691
1248	1909	EDNRA	2870	GRK6	-	+	0.72674
1249	3065	HDAC1	5933	RBL1	-	+	0.72653
1250	1280	COL2A1	8797	TNFRSF10A	-	+	0.72577
1251	5879	RAC1	7454	WAS	-	+	0.72476
1252	5164	PDK2	8050	PDHX	-	+	0.72475
1253	10254	STAM2	7297	TYK2	-	+	0.72438
1254	22806	ZNFN1A3	22806	ZNFN1A3	-	+	0.72331
1255	1737	DLAT	5165	PDK3	-	+	0.72246
1256	7132	TNFRSF1A	8396	PIP5K2B	-	+	0.72146
1257	7531	YWHAE	8470	ARGBP2	+	-	0.72080
1258	2237	FEN1	5111	PCNA	-	+	0.71963
1259	134	ADORA1	2781	GNAZ	-	+	0.71847
1260	598	BCL2L1	6252	RTN1	-	+	0.71660
1261	10254	STAM2	9146	HGS	+	-	0.71620
1262	8856	NR1I2	8856	NR1I2	-	+	0.71591
1263	6850	SYK	868	CBLB	-	+	0.71405
1264	202559	KHDRBS2	2130	EWSR1	+	-	0.71354
1265	3932	LCK	952	CD38	-	+	0.71345
1266	3303	HSPA1A	9531	BAG3	-	+	0.71198
1267	1288	COL4A6	351	APP	-	+	0.71149
1268	1432	MAPK14	4208	MEF2C	-	+	0.71139
1269	5468	PPARG	6258	RXRG	-	+	0.70975
1270	7189	TRAF6	9020	MAP3K14	-	+	0.70947
1271	10066	SCAMP2	9522	SCAMP1	-	+	0.70663
1272	1737	DLAT	5166	PDK4	-	+	0.70610
1273	7531	YWHAE	9610	RIN1	-	+	0.70542
1274	5894	RAF1	8837	CFLAR	-	+	0.70540
1275	6772	STAT1	6774	STAT3	-	+	0.70492
1276	2534	FYN	5894	RAF1	-	+	0.70385
1277	29068	BTBD15	4086	SMAD1	-	+	0.70350
1278	10399	GNB2L1	3688	ITGB1	-	+	0.70290
1279	4176	MCM7	4998	ORC1L	-	+	0.70159
1280	3320	HSPCA	5894	RAF1	-	+	0.70061
1281	4208	MEF2C	4208	MEF2C	-	+	0.69759
1282	329	BIRC2	842	CASP9	-	+	0.69637
1283	1488	CTBP2	1488	CTBP2	-	+	0.69568
1284	140885	PTPNS1	961	CD47	-	+	0.69354
1285	2735	GLI1	51684	SUFU	-	+	0.69234
1286	1487	CTBP1	7050	TGIF	-	+	0.69218
1287	4088	SMAD3	9372	ZFYVE9	-	+	0.69211
1288	4987	OPRL1	9630	GNA14	-	+	0.69075
1289	51135	IRAK4	7189	TRAF6	-	+	0.68949

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
1290	7414	VCL	8665	EIF355	-	+	0.68633
1291	3958	LGALS3	51684	SUFU	-	+	0.68627
1292	2885	GRB2	8751	ADAM15	-	+	0.68626
1293	10392	CARD4	8767	RIPK2	-	+	0.68619
1294	4867	NPHP1	4867	NPHP1	-	+	0.68327
1295	2516	NR5A1	8721	EDF1	-	+	0.68281
1296	652	BMP4	657	BMPR1A	-	+	0.68231
1297	4171	MCM2	4998	ORC1L	-	+	0.68133
1298	5925	RB1	5925	RB1	-	+	0.68082
1299	1315	COPB	8615	VDP	-	+	0.68027
1300	1152	CKB	1158	CKM	-	+	0.67914
1301	156	ADRBK1	6714	SRC	-	+	0.67881
1302	3383	ICAM1	3689	ITGB2	-	+	0.67799
1303	4916	NTRK3	8878	SQSTM1	-	+	0.67738
1304	3135	HLA-G	3824	KLRD1	-	+	0.67658
1305	1277	COL1A1	5549	PRELP	-	+	0.67543
1306	1800	DPEP1	1800	DPEP1	-	+	0.67403
1307	10486	CAP2	10487	CAP1	-	+	0.67270
1308	3693	ITGB5	5029	P2RY2	-	+	0.67232
1309	2908	NR3C1	6602	SMARCD1	-	+	0.67207
1310	25804	LSM4	27257	LSM1	-	+	0.67066
1311	2547	G22P1	958	CD40	-	+	0.66816
1312	50855	PARD6A	5584	PRKCI	+	-	0.66813
1313	5608	MAP2K6	5608	MAP2K6	-	+	0.66783
1314	8836	GGH	8836	GGH	-	+	0.66781
1315	5984	RFC4	5985	RFC5	+	+	0.66756
1316	2213	FCGR2B	5777	PTPN6	-	+	0.66729
1317	5552	PRG1	960	CD44	-	+	0.66669
1318	11043	MID2	11043	MID2	-	+	0.66628
1319	11063	SOX30	7186	TRAF2	+	-	0.66524
1320	1601	DAB2	23181	C21orf106	-	+	0.66420
1321	81559	TRIM11	81559	TRIM11	-	+	0.66326
1322	3630	INS	3630	INS	-	+	0.66102
1323	10320	ZNFN1A1	1487	CTBP1	-	+	0.65939
1324	84245	MGC3207	84245	MGC3207	+	-	0.65654
1325	332	BIRC5	842	CASP9	-	+	0.65650
1326	27301	APEX2	7186	TRAF2	+	-	0.65605
1327	2597	GAPD	351	APP	-	+	0.65586
1328	29127	RACGAP1	7283	TUBG1	-	+	0.65575
1329	4286	MITF	7341	SUMO1	-	+	0.65573
1330	5701	PSMC2	5708	PSMD2	-	+	0.65523
1331	1870	E2F2	7027	TFDP1	-	+	0.65367
1332	633	BGN	7040	TGFB1	-	+	0.65251
1333	7205	TRIP6	8440	NCK2	+	-	0.65221
1334	2811	GP1BA	2811	GP1BA	-	+	0.65157
1335	1495	CTNNA1	7414	VCL	-	+	0.65142
1336	1909	EDNRA	2767	GNA11	-	+	0.65122
1337	29127	RACGAP1	7409	VAV1	-	+	0.65044
1338	2146	EZH2	3065	HDAC1	-	+	0.64955
1339	10482	NXF1	7307	U2AF1	-	+	0.64854
1340	3313	HSPA9B	7416	VDAC1	-	+	0.64721
1341	8743	TNFSF10	8797	TNFRSF10A	-	+	0.64658
1342	25804	LSM4	27258	LSM3	-	+	0.64652
1343	27250	PDCD4	6207	RPS13	-	+	0.64586
1344	5721	PSME2	5721	PSME2	+	-	0.64502
1345	1026	CDKNA1	8318	CDC45L	-	+	0.64490
1346	6642	SNX1	91	ACVR1B	-	+	0.64339
1347	3065	HDAC1	5970	RELA	-	+	0.64315
1348	4088	SMAD3	79595	SAP130	-	+	0.64292
1349	3688	ITGB1	6520	SLC3A2	-	+	0.64129
1350	10482	NXF1	55916	NXT2	-	+	0.64108
1351	1856	DVL2	7157	TP53	+	-	0.64043
1352	2260	FGFR1	2260	FGFR1	-	+	0.63930
1353	2353	FOS	3726	JUNB	-	+	0.63924
1354	246329	STAC3	246329	STAC3	+	-	0.63912
1355	2770	GNAI1	58157	NGB	-	+	0.63869
1356	1017	CDK2	993	CDC25A	-	+	0.63838
1357	25793	FBXO7	6500	SKP1A	-	+	0.63820
1358	2149	F2R	6642	SNX1	-	+	0.63619
1359	5781	PTPN11	9019	MPZL1	-	+	0.63598
1360	51127	TRIM17	56658	TRIM39	+	-	0.63582
1361	1488	CTBP2	7050	TGIF	+	-	0.63295
1362	10458	BAIAP2	5879	RAC1	-	+	0.63293
1363	3312	HSPA8	573	BAG1	-	+	0.63230
1364	2597	GAPD	6277	S100A6	-	+	0.63208
1365	5071	PARK2	7326	UBE2G1	-	+	0.62877
1366	10399	GNB2L1	5925	RB1	-	+	0.62810
1367	10483	SEC23B	9871	SEC24D	+	-	0.62809
1368	5162	PDHB	8050	PDHX	-	+	0.62782
1369	1191	CLU	1191	CLU	-	+	0.62766
1370	2771	GNAI2	58157	NGB	-	+	0.62747
1371	1996	ELAVL4	2130	EWSR1	+	-	0.62706
1372	5300	PIN1	983	CDC2	-	+	0.62703
1373	5451	POU2F1	6256	RXRA	-	+	0.62689
1374	2130	EWSR1	3159	HMGA1	+	-	0.62682
1375	10016	PDCD6	131034	CPNE4	-	+	0.62600
1376	1027	CDKN1B	896	CCND3	+	+	0.62544
1377	4049	LTA	7132	TNFRSF1A	-	+	0.62535
1378	811	CALR	912	CD1D	-	+	0.62441

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
1379	4207	MEF2B	4207	MEF2B	-	+	0.62420
1380	26003	GORASP2	7186	TRAF2	+	-	0.62338
1381	5700	PSMC1	5708	PSMD2	+	+	0.62323
1382	3875	KRT18	7532	YWHAG	-	+	0.62130
1383	23658	LSM5	57819	LSM2	-	+	0.62115
1384	331	BIRC4	7189	TRAF6	-	+	0.62076
1385	2941	GSTA4	2941	GSTA4	+	+	0.62072
1386	1211	CLTA	3312	HSPA8	-	+	0.62042
1387	5781	PTPN11	6464	SHC1	-	+	0.61856
1388	2781	GNAZ	6000	RGS7	-	+	0.61736
1389	2806	GOT2	3312	HSPA8	-	+	0.61722
1390	3297	HSF1	3312	HSPA8	-	+	0.61716
1391	4088	SMAD3	54778	RNF111	-	+	0.61511
1392	5576	PRKAR2A	7430	VIL2	-	+	0.61479
1393	351	APP	7040	TGFB1	-	+	0.61450
1394	1995	ELAVL3	2130	EWSR1	+	-	0.61108
1395	2810	SFN	3875	KRT18	-	+	0.61105
1396	578	BAK1	581	BAX	-	+	0.60998
1397	7157	TP53	7490	WT1	-	+	0.60861
1398	2130	EWSR1	4879	NPPB	+	-	0.60852
1399	7040	TGFB1	7448	VTN	-	+	0.60781
1400	1495	CTNNA1	3728	JUP	-	+	0.60599
1401	9094	UNC119	920	CD4	-	+	0.60575
1402	435	ASL	435	ASL	-	+	0.60402
1403	8495	PPFIBP2	8500	PPFIA1	-	+	0.60355
1404	70	ACTC	7430	VIL2	-	+	0.60162
1405	3561	IL2RG	3718	JAK3	-	+	0.60053
1406	207	AKT1	8682	PEA15	-	+	0.59970
1407	29979	UBQLN1	5663	PSEN1	-	+	0.59937
1408	7531	YWHAE	9181	ARHGFE2	-	+	0.59789
1409	6996	TDG	7341	SUMO1	-	+	0.59765
1410	2275	FHL3	2275	FHL3	-	+	0.59695
1411	11034	DSTN	71	ACTG1	+	-	0.59678
1412	22823	M96	4088	SMAD3	-	+	0.59580
1413	60	ACTB	83988	NCALD	-	+	0.59562
1414	1026	CDKN1A	896	CCND3	+	+	0.59531
1415	134	ADORA1	2771	GNAI2	-	+	0.59523
1416	983	CDC2	995	CDC25C	-	+	0.59477
1417	57120	GOPC	7431	VIM	+	-	0.59473
1418	3312	HSPA8	3925	STMN1	-	+	0.59415
1419	5584	PRKCI	8878	SQSTM1	-	+	0.59370
1420	8837	CFLAR	9191	DEDD	-	+	0.59341
1421	54521	WDR44	6396	SEC13L1	-	+	0.59332
1422	3875	KRT18	7531	YWHAE	-	+	0.59145
1423	5584	PRKCI	5607	MAP2K5	-	+	0.58989
1424	4192	MDK	4691	NCL	-	+	0.58897
1425	1027	CDKN1B	894	CCND2	+	-	0.58816
1426	7454	WAS	9051	PSTPIP1	-	+	0.58779
1427	6696	SPP1	960	CD44	-	+	0.58637
1428	3320	HSPCA	5859	QARS	-	+	0.58630
1429	25937	WWTR1	7531	YWHAE	-	+	0.58624
1430	7531	YWHAE	801	CALM1	-	+	0.58498
1431	4093	SMAD9	8663	EIF3S8	-	+	0.58404
1432	60312	AFAP	6714	SRC	-	+	0.58303
1433	10672	GNAI3	8698	EDG6	-	+	0.58208
1434	1027	CDKN1B	7186	TRAF2	+	-	0.58025
1435	4093	SMAD9	8544	PIR	-	+	0.57929
1436	1288	COL4A6	5270	SERPINE2	-	+	0.57850
1437	126823	KARCA1	8900	CCNA1	-	+	0.57660
1438	10567	RABAC1	6844	VAMP2	-	+	0.57539
1439	7186	TRAF2	8837	CFLAR	-	+	0.57466
1440	355	FAS	7329	UBE2I	-	+	0.57417
1441	27250	PDCD4	6125	RPL5	-	+	0.57353
1442	134	ADORA1	2037	EPB41L2	-	+	0.57332
1443	4205	MEF2A	5598	MAPK7	-	+	0.57328
1444	112483	SAT2	6303	SAT	+	-	0.57305
1445	7132	TNFRSF1A	7132	TNFRSF1A	-	+	0.57304
1446	3875	KRT18	9146	HGS	+	-	0.57273
1447	5781	PTPN11	945	CD33	-	+	0.57266
1448	26003	GORASP2	868	CBLB	+	-	0.57226
1449	5590	PRKCZ	8878	SQSTM1	-	+	0.57204
1450	138046	LOC138046	138046	LOC138046	+	-	0.57067
1451	3383	ICAM1	3561	IL2RG	-	+	0.56893
1452	7297	TYK2	7297	TYK2	-	+	0.56631
1453	10636	RGS14	2770	GNAI1	-	+	0.56484
1454	2339	FNTA	2342	FNTB	-	+	0.56451
1455	332	BIRC5	983	CDC2	-	+	0.56435
1456	351	APP	351	APP	-	+	0.56373
1457	2782	GNB1	2788	GNG7	-	+	0.56214
1458	7157	TP53	983	CDC2	-	+	0.56112
1459	2157	F8	821	CANX	-	+	0.56098
1460	3683	ITGAL	3683	ITGAL	-	+	0.56059
1461	5777	PTPN6	945	CD33	-	+	0.55967
1462	4830	NME1	4833	NME4	+	-	0.55844
1463	4089	SMAD4	5603	MAPK13	-	+	0.55800
1464	10672	GNAI3	7253	TSHR	-	+	0.55683
1465	3611	ILK	55679	LIMS2	-	+	0.55667
1466	204851	HIPK1	7157	TP53	-	+	0.55619
1467	1020	CDK5	8851	CDK5R1	-	+	0.55548

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
1468	134	ADORA1	2775	GNAO1	-	+	0.55495
1469	3313	HSPA9B	7157	TP53	-	+	0.55486
1470	4318	MMP9	7078	TIMP3	-	+	0.55486
1471	11030	RBPMS	2130	EWSR1	+	-	0.55416
1472	2885	GRB2	5913	RAPSN	-	+	0.55381
1473	10902	BRD8	5468	PPARG	-	+	0.55309
1474	4149	MAX	4601	MX1	+	+	0.55256
1475	7529	YWHAB	9610	RIN1	-	+	0.55245
1476	3817	KLK2	5267	SERPINA4	-	+	0.55188
1477	3875	KRT18	7529	YWHAB	-	+	0.55102
1478	2287	FKBP3	7528	YY1	-	+	0.54855
1479	27250	PDCD4	6176	RPLP1	-	+	0.54786
1480	10083	USH1C	10083	USH1C	-	+	0.54725
1481	1027	CDKN1B	2885	GRB2	-	+	0.54581
1482	7027	TFDP1	7157	TP53	-	+	0.54553
1483	8208	CHAF1B	983	CDC2	-	+	0.54542
1484	11034	DSTN	60	ACTB	+	-	0.54491
1485	2908	NR3C1	7251	TSG101	-	+	0.54373
1486	8576	STK16	8576	STK16	-	+	0.54097
1487	7532	YWHAG	7538	ZFP36	-	+	0.54009
1488	10152	ABI2	7414	VCL	+	-	0.53576
1489	5825	ABCD3	5825	ABCD3	-	+	0.53463
1490	578	BAK1	7417	VDAC2	-	+	0.53226
1491	87	ACTN1	8851	CDK5R1	-	+	0.53163
1492	10218	ANGPTL7	10218	ANGPTL7	-	+	0.52945
1493	2872	MKNK2	2872	MKNK2	-	+	0.52872
1494	51347	TAOK3	7186	TRAF2	-	+	0.52732
1495	27258	LSM3	57819	LSM2	+	+	0.52716
1496	2919	CXCL1	3579	IL8RB	-	+	0.52675
1497	2280	FKBP1A	7528	YY1	-	+	0.52535
1498	6495	SIX1	6495	SIX1	-	+	0.52456
1499	332	BIRC5	836	CASP3	-	+	0.52397
1500	10458	BAIAP2	2059	EPS8	+	+	0.52265
1501	4691	NCL	5590	PRKCZ	-	+	0.52207
1502	1488	CTBP2	60528	ELAC2	-	+	0.52205
1503	1487	CTBP1	5925	RB1	-	+	0.52178
1504	3718	JAK3	6776	STAT5A	-	+	0.52062
1505	6038	RNASE4	6038	RNASE4	-	+	0.52010
1506	1641	DCX	1641	DCX	-	+	0.51762
1507	4088	SMAD3	9728	KIAA0256	-	+	0.51733
1508	4313	MMP2	7078	TIMP3	-	+	0.51519
1509	5155	PDGFB	5159	PDGFRB	-	+	0.51515
1510	4175	MCM6	8900	CCNA1	-	+	0.51459
1511	2920	CXCL2	2920	CXCL2	-	+	0.51263
1512	3712	IVD	3712	IVD	-	+	0.51098
1513	4998	ORC1L	5000	ORC4L	-	+	0.51085
1514	2583	GALGT	2583	GALGT	-	+	0.51070
1515	2811	GP1BA	55644	OSGEP	-	+	0.51041
1516	4598	MVK	4598	MVK	+	-	0.50923
1517	2149	F2R	2768	GNAI2	-	+	0.50907
1518	7188	TRAF5	939	TNFRSF7	-	+	0.50881
1519	60	ACTB	7430	VIL2	-	+	0.50877
1520	10174	SCAM-1	1856	DVL2	+	-	0.50704
1521	1504	CTRB1	351	APP	-	+	0.50624
1522	9050	PSTPIP2	9050	PSTPIP2	-	+	0.50618
1523	10053	AP1M2	164	APIG1	-	+	0.50314
1524	3131	HLF	3131	HLF	-	+	0.50118
1525	11315	PARK7	11315	PARK7	-	+	0.50018
1526	2908	NR3C1	5970	RELA	-	+	0.49986
1527	55663	FLJ20626	7775	ZNF232	+	-	0.49872
1528	1912	PHC2	1912	PHC2	+	-	0.49801
1529	2920	CXCL2	3579	IL8RB	-	+	0.49744
1530	331	BIRC4	331	BIRC4	+	-	0.49564
1531	10399	GNB2L1	7132	TNFRSF1A	-	+	0.49491
1532	1021	CDK6	5111	PCNA	-	+	0.49479
1533	29979	UBQLN1	29979	UBQLN1	+	-	0.49428
1534	55	ACPP	55	ACPP	-	+	0.49382
1535	6464	SHC1	7535	ZAP70	-	+	0.49172
1536	27257	LSM1	27258	LSM3	-	+	0.49160
1537	1876	E2F6	23429	RYBP	-	+	0.49137
1538	10743	RAI1	5300	PIN1	+	-	0.49061
1539	2597	GAPD	7414	VCL	-	+	0.49039
1540	175	AGA	175	AGA	-	+	0.48963
1541	2355	FOSL2	7008	TEF	-	+	0.48936
1542	4176	MCM7	5000	ORC4L	-	+	0.48849
1543	10204	NUTF2	10204	NUTF2	-	+	0.48787
1544	581	BAX	598	BCL2L1	-	+	0.48725
1545	10053	AP1M2	5817	PVR	-	+	0.48687
1546	286514	MGC33889	7157	TP53	+	-	0.48603
1547	3875	KRT18	9191	DEDD	-	+	0.48545
1548	3611	ILK	8440	NCK2	-	+	0.48434
1549	5603	MAPK13	7867	MAPKAPK3	-	+	0.48414
1550	1909	EDNRA	2771	GNAI2	-	+	0.48363
1551	6850	SYK	7409	VAV1	-	+	0.48221
1552	1912	PHC2	648	PCGF4	-	+	0.47998
1553	3817	KLK2	5269	SERPINB6	-	+	0.47989
1554	2972	BRF1	7157	TP53	-	+	0.47843
1555	3119	HLA-DQB1	920	CD4	-	+	0.47593
1556	2771	GNAI2	3577	IL8RA	-	+	0.47574



No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
1557	5747	PTK2	6714	SRC	-	+	0.47570
1558	2214	FCGR3A	3932	LCK	-	+	0.47524
1559	6477	SIAH1	7329	UBE2I	-	+	0.47330
1560	5068	REG3A	5967	REG1A	-	+	0.47321
1561	1280	COL2A1	5549	PRELP	-	+	0.47298
1562	6304	SATB1	8467	SMARCA5	-	+	0.47297
1563	3043	HBB	3050	HBZ	-	+	0.47203
1564	5598	MAPK7	6446	SGK	-	+	0.47167
1565	10636	RGS14	2771	GNAI2	-	+	0.47166
1566	2885	GRB2	9649	RALGPS1	-	+	0.47112
1567	2212	FCGR2A	3958	LGALS3	-	+	0.47095
1568	10538	BATF	1054	CEBPG	-	+	0.46897
1569	57120	GOPC	57120	GOPC	-	+	0.46572
1570	2781	GNAZ	6001	RGS10	-	+	0.46292
1571	5747	PTK2	8440	NCK2	-	+	0.46246
1572	23429	RYBP	8772	FADD	-	+	0.46197
1573	29127	RACGAP1	7277	TUBA1	-	+	0.46034
1574	5700	PSMC1	5701	PSMC2	-	+	0.45853
1575	387	RHOA	5147	PDE6D	-	+	0.45781
1576	156	ADRBK1	408	ARRB1	-	+	0.45570
1577	1487	CTBP1	1488	CTBP2	-	+	0.45407
1578	1856	DVL2	79869	FLJ12529	+	-	0.45392
1579	2770	GNAH1	6001	RGS10	-	+	0.45378
1580	1288	COL4A6	4318	MMP9	-	+	0.45005
1581	3646	EIF356	64708	COP57B	-	+	0.44914
1582	70	ACTC	7414	VCL	-	+	0.44909
1583	857	CAV1	858	CAV2	-	+	0.44848
1584	5879	RAC1	752	FMNL1	-	+	0.44831
1585	5883	RAD9A	5884	RAD17	-	+	0.44789
1586	23017	FAIM2	355	FAS	-	+	0.44695
1587	5590	PRKCZ	7189	TRAF6	-	+	0.44582
1588	7138	TNNT1	8500	PPFIA1	+	-	0.44459
1589	3689	ITGB2	5747	PTK2	-	+	0.44415
1590	2625	GATA3	4005	LMO2	-	+	0.44327
1591	6426	SFRS1	9128	PRPF4	-	+	0.44200
1592	4688	NCF2	998	CDC42	-	+	0.44151
1593	3320	HSPCA	6714	SRC	-	+	0.44146
1594	5970	RELA	8945	BTRC	-	+	0.44133
1595	328	APEX1	7329	UBE2I	-	+	0.44017
1596	2547	G22P1	328	APEX1	-	+	0.44016
1597	660	BMX	6772	STAT1	-	+	0.43784
1598	10148	EBI3	4088	SMAD3	-	+	0.43450
1599	3856	KRT8	5327	PLAT	-	+	0.43399
1600	10987	COP55	6278	S100A7	-	+	0.43284
1601	84106	PRAM-1	8935	SCAP2	-	+	0.43246
1602	1936	EEF1D	1936	EEF1D	-	+	0.43038
1603	2224	FDP5	2260	FGFR1	-	+	0.42956
1604	6774	STAT3	6850	SYK	-	+	0.42602
1605	11157	LSM6	27257	LSM1	-	+	0.42328
1606	3312	HSPA8	3320	HSPCA	-	+	0.42209
1607	85007	MGC15875	85007	MGC15875	+	-	0.42118
1608	1432	MAPK14	2885	GRB2	-	+	0.41991
1609	2130	EWSR1	5359	PLSCR1	+	-	0.41835
1610	6503	SLA	7535	ZAP70	-	+	0.41807
1611	23650	TRIM29	7431	VIM	-	+	0.41696
1612	329	BIRC2	840	CASP7	-	+	0.41695
1613	2035	EPB41	3838	KPNA2	-	+	0.41671
1614	2313	FLI1	4093	SMAD9	-	+	0.41590
1615	8260	ARD1	993	CDC25A	+	-	0.41527
1616	1601	DAB2	6714	SRC	-	+	0.41514
1617	1017	CDK2	8208	CHAF1B	-	+	0.41496
1618	23650	TRIM29	23650	TRIM29	+	+	0.41332
1619	3678	ITGA5	3693	ITGB5	-	+	0.41172
1620	54474	KRT20	7431	VIM	+	-	0.41133
1621	2885	GRB2	3183	HNRPC	-	+	0.41106
1622	2810	SFN	7538	ZFP36	-	+	0.41065
1623	2246	FGF1	2260	FGFR1	-	+	0.40989
1624	5925	RB1	6689	SPIB	-	+	0.40893
1625	1936	EEF1D	1937	EEF1G	+	-	0.40809
1626	2920	CXCL2	3577	IL8RA	-	+	0.40795
1627	1365	CLDN3	9076	CLDN1	-	+	0.40761
1628	3688	ITGB1	5747	PTK2	-	+	0.40731
1629	79869	FLJ12529	8440	NCK2	+	-	0.40701
1630	3352	HTR1D	3352	HTR1D	-	+	0.40654
1631	207	AKT1	5770	PTPN1	-	+	0.40472
1632	3148	HMG2	7157	TP53	-	+	0.40394
1633	3028	HADH2	351	APP	-	+	0.40383
1634	4088	SMAD3	4149	MAX	-	+	0.40355
1635	7529	YWHA8	7538	ZFP36	-	+	0.40352
1636	598	BCL2L1	79370	BCL2L14	-	+	0.40343
1637	3718	JAK3	919	CD3Z	-	+	0.40321
1638	2355	FOXL2	3726	JUNB	-	+	0.40304
1639	23214	XPO6	7408	VASP	-	+	0.40254
1640	823	CAPN1	826	CAPNS1	-	+	0.40167
1641	183	AGT	5553	PRG2	-	+	0.40120
1642	1856	DVL2	408	ARRB1	-	+	0.40097
1643	1488	CTBP2	2275	FHL3	-	+	0.40067
1644	2065	ERBB3	3732	CD82	-	+	0.39990
1645	22893	BAHD1	7186	TRAF2	+	-	0.39923

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
1646	2919	CXCL1	3577	IL8RA	-	+	0.39917
1647	10247	HRSP12	10247	HRSP12	-	+	0.39772
1648	4488	MSX2	4488	MSX2	-	+	0.39724
1649	11200	CHEK2	83942	TSSK1	-	+	0.39563
1650	7572	ZNF24	7727	ZNF174	-	+	0.39526
1651	11171	STRAP	11171	STRAP	-	+	0.39446
1652	2954	GSTZ1	2954	GSTZ1	+	-	0.39416
1653	3163	HMOX2	351	APP	-	+	0.39382
1654	10179	RBM7	27316	RBMX	+	-	0.39118
1655	3065	HDAC1	5757	PTMA	-	+	0.39077
1656	4172	MCM3	5000	ORC4L	-	+	0.39071
1657	6426	SFRS1	6733	SRPK2	-	+	0.39055
1658	331	BIRC4	840	CASP7	-	+	0.39008
1659	2161	F12	22918	CIQR1	-	+	0.38977
1660	5624	PROC	5627	PROS1	-	+	0.38762
1661	2775	GNAO1	58157	NGB	-	+	0.38748
1662	3579	IL8RB	408	ARRB1	-	+	0.38732
1663	6714	SRC	7529	YWHAB	-	+	0.38635
1664	11200	CHEK2	80198	MUS81	-	+	0.38604
1665	2810	SFN	983	CDC2	-	+	0.38598
1666	3065	HDAC1	51317	PHF21A	-	+	0.38510
1667	7086	TKT	7086	TKT	-	+	0.38477
1668	8772	FADD	8795	TNFRSF10B	-	+	0.38404
1669	578	BAK1	598	BCL2L1	+	+	0.38348
1670	10363	HMG20A	4089	SMAD4	-	+	0.38318
1671	2149	F2R	2769	GNAI5	-	+	0.38222
1672	1459	CSNK2A2	2353	FOS	-	+	0.38167
1673	2353	FOS	7494	XBP1	-	+	0.37804
1674	3055	HCK	7456	WASPIP	-	+	0.37649
1675	5894	RAF1	7203	CCT3	-	+	0.37611
1676	1459	CSNK2A2	5300	PIN1	-	+	0.37505
1677	3065	HDAC1	7704	ZBTB16	-	+	0.37475
1678	2547	G22P1	5451	POU2F1	-	+	0.37349
1679	6810	STX4A	9341	VAMP3	+	-	0.37281
1680	3937	LCP2	7454	WAS	-	+	0.37147
1681	7188	TRAF5	8767	RIPK2	-	+	0.37040
1682	5979	RET	6464	SHC1	-	+	0.36962
1683	2017	CTTN	2885	GRB2	-	+	0.36879
1684	6503	SLA	6850	SYK	-	+	0.36876
1685	9874	TLK1	9874	TLK1	+	-	0.36861
1686	2921	CXCL3	3579	IL8RB	-	+	0.36829
1687	5777	PTPN6	857	CAV1	-	+	0.36796
1688	95	ACY1	95	ACY1	+	-	0.36668
1689	23256	SCFD1	7414	VCL	-	+	0.36498
1690	5704	PSMC4	5716	PSMD10	+	+	0.36188
1691	660	BMX	6776	STAT5A	-	+	0.36175
1692	10656	KHDRBS3	3190	HNRPK	+	-	0.36130
1693	10636	RGS14	2775	GNAO1	-	+	0.36099
1694	10672	GNAI3	2149	F2R	-	+	0.35947
1695	10589	DRAP1	54107	POLE3	+	-	0.35836
1696	8674	VAMP4	8907	APIM1	-	+	0.35696
1697	2114	ETS2	2625	GATA3	-	+	0.35693
1698	7431	VIM	79050	MGC3162	+	-	0.35663
1699	26003	GORASP2	4282	MIF	+	-	0.35559
1700	51429	SNX9	8751	ADAM15	-	+	0.35549
1701	11157	LSM6	27258	LSM3	-	+	0.35537
1702	5781	PTPN11	6776	STAT5A	-	+	0.35431
1703	10656	KHDRBS3	27316	RBMX	+	-	0.35335
1704	218	ALDH3A1	218	ALDH3A1	-	+	0.35266
1705	4207	MEF2B	56159	TEX11	+	-	0.35066
1706	5894	RAF1	7409	VAV1	-	+	0.35054
1707	4049	LTA	8764	TNFRSF14	-	+	0.34944
1708	3313	HSPA9B	7184	TRA1	-	+	0.34727
1709	2065	ERBB3	2065	ERBB3	-	+	0.34491
1710	3159	HMGAI	51684	SUFU	-	+	0.34321
1711	2769	GNAI5	3579	IL8RB	-	+	0.34316
1712	1019	CDK4	5757	PTMA	-	+	0.34268
1713	2353	FOS	5925	RB1	-	+	0.34131
1714	883	CCBL1	883	CCBL1	-	+	0.33995
1715	7414	VCL	84733	CBX2	-	+	0.33861
1716	5579	PRKCB1	9260	PDLIM7	-	+	0.33641
1717	3065	HDAC1	5195	PEX14	-	+	0.33625
1718	2339	FNTA	7040	TGFB1	-	+	0.33580
1719	2071	ERCC3	2966	GTF2H2	-	+	0.33574
1720	25945	PVRL3	5817	PVR	-	+	0.33495
1721	1238	CCBP2	6352	CCL5	-	+	0.33360
1722	22807	ZNFN1A2	64376	ZNFN1A5	-	+	0.33327
1723	1277	COL1A1	633	BGN	-	+	0.33288
1724	6613	SUMO2	7329	UBE2I	-	+	0.33276
1725	2768	GNAI2	8698	EDG6	-	+	0.33267
1726	10121	ACTR1A	10121	ACTR1A	-	+	0.33115
1727	6632	SNRPD1	6633	SNRPD2	-	+	0.33076
1728	71	ACTG1	7414	VCL	-	+	0.32990
1729	5781	PTPN11	857	CAV1	-	+	0.32956
1730	30011	SH3KBP1	5159	PDGFRB	-	+	0.32944
1731	60491	NIF3L1	7431	VIM	+	-	0.32823
1732	10672	GNAI3	9138	ARHGEF1	-	+	0.32714
1733	5777	PTPN6	7297	TYK2	-	+	0.32453
1734	2189	FANCG	2189	FANCG	-	+	0.32303

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
1735	3183	HNRPC	9513	FXR2	+	-	0.32277
1736	5451	POU2F1	5970	RELA	-	+	0.32194
1737	23650	TRIM29	4093	SMAD9	-	+	0.32085
1738	6794	STK11	7157	TP53	-	+	0.31999
1739	3312	HSPA8	7414	VCL	-	+	0.31718
1740	7704	ZBTB16	8405	SPOP	+	-	0.31637
1741	1488	CTBP2	64400	FTS	+	-	0.31575
1742	1054	CEBPG	1054	CEBPG	-	+	0.31438
1743	2043	EPHA4	25791	NGEF	-	+	0.31407
1744	4781	NFIB	4782	NFIC	-	+	0.31398
1745	4221	MEN1	6118	RPA2	-	+	0.31335
1746	60	ACTB	7447	VSNL1	-	+	0.31281
1747	2932	GSK3B	7157	TP53	-	+	0.31193
1748	5187	PER1	8863	PER3	-	+	0.30986
1749	2770	GNAI1	53637	EDG8	-	+	0.30980
1750	4093	SMAD9	9070	ASH2L	-	+	0.30881
1751	1749	DLX5	4488	MSX2	-	+	0.30794
1752	11261	CHP	6548	SLC9A1	-	+	0.30786
1753	22807	ZNFN1A2	22807	ZNFN1A2	-	+	0.30775
1754	8663	EIF358	8666	EIF354	-	+	0.30762
1755	11157	LSM6	57819	LSM2	-	+	0.30672
1756	1459	CSNK2A2	7184	TRA1	-	+	0.30203
1757	331	BIRC4	55437	ALS2CR2	-	+	0.30193
1758	10019	LNK	919	CD3Z	-	+	0.30080
1759	1906	EDN1	1909	EDNRA	-	+	0.30040
1760	5144	PDE4D	5144	PDE4D	-	+	0.29971
1761	10403	KNTC2	5925	RB1	-	+	0.29940
1762	2908	NR3C1	5894	RAF1	-	+	0.29901
1763	6500	SKP1A	8454	CUL1	-	+	0.29859
1764	2130	EWSR1	9242	MSC	+	-	0.29667
1765	4318	MMP9	960	CD44	-	+	0.29657
1766	1876	E2F6	7029	TFDP2	+	+	0.29653
1767	2932	GSK3B	3611	ILK	-	+	0.29610
1768	3065	HDAC1	3364	HUS1	-	+	0.29342
1769	2130	EWSR1	4086	SMAD1	-	+	0.29316
1770	3627	CXCL10	3627	CXCL10	-	+	0.29214
1771	2353	FOS	2355	FOSL2	-	+	0.29166
1772	10926	ASK	4172	MCM3	-	+	0.29146
1773	22795	NID2	3915	LAMC1	-	+	0.29030
1774	51776	ZAK	5609	MAP2K7	-	+	0.29024
1775	328	APEX1	7157	TP53	-	+	0.28919
1776	1027	CDKN1B	7531	YWHAE	-	+	0.28836
1777	149371	EXOC8	3875	KRT18	+	-	0.28817
1778	5217	PFN2	5217	PFN2	-	+	0.28696
1779	1649	DDIT3	4097	MAFG	-	+	0.28441
1780	56658	TRIM39	56658	TRIM39	+	-	0.28287
1781	7360	UGP2	7360	UGP2	+	-	0.28242
1782	7037	TFRC	919	CD3Z	-	+	0.28213
1783	1277	COL1A1	4318	MMP9	-	+	0.28057
1784	598	BCL2L1	8837	CFLAR	-	+	0.28051
1785	10567	RABAC1	2664	GDI1	-	+	0.28008
1786	2664	GDI1	5880	RAC2	-	+	0.27955
1787	4171	MCM2	5000	ORC4L	-	+	0.27800
1788	10589	DRAP1	4801	NFYB	+	-	0.27709
1789	1525	CXADR	1525	CXADR	-	+	0.27703
1790	2921	CXCL3	3577	IL8RA	-	+	0.27659
1791	2771	GNAI2	728	C5R1	-	+	0.27584
1792	6921	TCEB1	6923	TCEB2	+	+	0.27300
1793	1054	CEBPG	468	ATF4	-	+	0.27129
1794	1020	CDK5	6418	SET	-	+	0.26956
1795	1026	CDKN1A	894	CCND2	+	-	0.26926
1796	51564	HDAC7A	5467	PPARD	-	+	0.26924
1797	51567	TTRAP	7189	TRAF6	-	+	0.26906
1798	1488	CTBP2	8535	CBX4	-	+	0.26905
1799	5300	PIN1	996	CDC27	-	+	0.26862
1800	27257	LSM1	57819	LSM2	-	+	0.26829
1801	55916	NXT2	56000	NXF3	+	+	0.26651
1802	51147	ING4	7157	TP53	-	+	0.26580
1803	23462	HEY1	4088	SMAD3	-	+	0.26559
1804	27316	RBMX	9513	FXR2	+	-	0.26515
1805	2065	ERBB3	5999	RGS4	-	+	0.26487
1806	2130	EWSR1	79723	SUV39H2	+	-	0.26480
1807	5663	PSEN1	9709	HERPUD1	-	+	0.26302
1808	1716	DGUOK	1716	DGUOK	-	+	0.26233
1809	573	BAG1	5925	RB1	-	+	0.26127
1810	11065	UBE2C	11065	UBE2C	-	+	0.26097
1811	629	BF	629	BF	-	+	0.26027
1812	2242	FES	6774	STAT3	-	+	0.25897
1813	660	BMX	6774	STAT3	-	+	0.25885
1814	10608	MXD4	4149	MAX	-	+	0.25608
1815	23062	GGA2	5300	PIN1	+	-	0.25450
1816	329	BIRC2	7186	TRAF2	+	-	0.25371
1817	6015	RING1	8535	CBX4	-	+	0.25348
1818	10188	TNK2	998	CDC42	-	+	0.25342
1819	2065	ERBB3	5036	PA2G4	-	+	0.25333
1820	1459	CSNK2A2	3320	HSPCA	-	+	0.25277
1821	55577	NAGK	55577	NAGK	+	-	0.25197
1822	1454	CSNK1E	7157	TP53	-	+	0.25171
1823	5579	PRKCB1	60312	AFAP	-	+	0.25079

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
1824	22926	ATF6	22926	ATF6	-	+	0.24969
1825	4089	SMAD4	4149	MAX	-	+	0.24613
1826	2175	FANCA	2189	FANCG	+	+	0.24604
1827	7088	TLE1	983	CDC2	-	+	0.24558
1828	60312	AFAP	70	ACTC	-	+	0.24210
1829	27229	76P	7431	VIM	+	-	0.24122
1830	4801	NFYB	8531	CSDA	-	+	0.24077
1831	5921	RASA1	7535	ZAP70	-	+	0.23587
1832	10126	DNAL4	9457	FHL5	+	-	0.23523
1833	4089	SMAD4	79753	SNIP1	-	+	0.23499
1834	2553	GABPB2	8615	VDP	+	-	0.23479
1835	331	BIRC4	842	CASP9	+	+	0.23422
1836	6714	SRC	7532	YWHAG	-	+	0.23351
1837	2130	EWSR1	23635	SSBP2	+	-	0.23263
1838	4591	TRIM37	9055	PRC1	+	-	0.23237
1839	1453	CSNK1D	7157	TP53	-	+	0.23228
1840	4690	NCK1	7456	WASPIP	-	+	0.22970
1841	3718	JAK3	6774	STAT3	-	+	0.22907
1842	4292	MLH1	8930	MBD4	-	+	0.22667
1843	7454	WAS	7456	WASPIP	-	+	0.22635
1844	5905	RANGAP1	7341	SUMO1	-	+	0.22598
1845	4088	SMAD3	4221	MEN1	-	+	0.22592
1846	29979	UBQLN1	6782	STCH	+	-	0.22568
1847	6035	RNASE1	6050	RNH	-	+	0.22568
1848	5879	RAC1	6774	STAT3	-	+	0.22271
1849	4205	MEF2A	7067	THRA	-	+	0.22243
1850	7408	VASP	8996	NOL3	+	-	0.22153
1851	2992	GYG	8908	GYG2	-	+	0.22087
1852	6789	STK4	7157	TP53	-	+	0.21986
1853	27257	LSM1	3320	HSPCA	-	+	0.21931
1854	1432	MAPK14	9255	SCYE1	-	+	0.21784
1855	5515	PPP2CA	7157	TP53	-	+	0.21777
1856	2204	FCAR	2209	FCGR1A	-	+	0.21579
1857	2017	CTTN	9672	SDC3	-	+	0.21398
1858	9319	TRIP13	9319	TRIP13	+	-	0.21351
1859	8027	STAM	9146	HGS	+	+	0.21295
1860	57510	XPO5	5901	RAN	-	+	0.21245
1861	5747	PTK2	5747	PTK2	-	+	0.21146
1862	7157	TP53	84289	ING5	-	+	0.21138
1863	11074	TRIM31	7186	TRAF2	+	-	0.21017
1864	4093	SMAD9	55577	NAGK	-	+	0.20762
1865	90993	CREB3L1	90993	CREB3L1	-	+	0.20618
1866	2770	GNAI1	5999	RG54	-	+	0.20533
1867	310	ANXA7	6717	SRI	-	+	0.20428
1868	8772	FADD	8930	MBD4	-	+	0.20425
1869	309	ANXA6	6271	S100A1	-	+	0.20286
1870	5925	RB1	8503	PIK3R3	-	+	0.20261
1871	4088	SMAD3	5371	PML	-	+	0.20114
1872	5925	RB1	5928	RBBP4	-	+	0.19991
1873	22806	ZNFN1A3	64376	ZNFN1A5	-	+	0.19882
1874	4599	MX1	7280	TUBB2	-	+	0.19764
1875	9322	TRIP10	998	CDC42	-	+	0.19656
1876	10488	CREB3	2010	EMD	+	-	0.19436
1877	26271	FBXO5	991	CDC20	-	+	0.19340
1878	2065	ERBB3	2886	GRB7	-	+	0.19248
1879	10044	SH2D3C	10278	EFS	+	-	0.19215
1880	7535	ZAP70	919	CD3Z	-	+	0.19134
1881	1277	COL1A1	4313	MMP2	-	+	0.19062
1882	3579	IL8RB	6374	CXCL5	-	+	0.19039
1883	6464	SHC1	919	CD3Z	-	+	0.18991
1884	8676	STX11	8676	STX11	+	-	0.18980
1885	10053	AP1M2	163	AP2B1	+	+	0.18980
1886	1398	CRK	5359	PLSCR1	+	-	0.18843
1887	5590	PRKCZ	9260	PDLIM7	-	+	0.18691
1888	7186	TRAF2	7597	ZNF46	+	-	0.18683
1889	10691	GMEB1	4088	SMAD3	-	+	0.18280
1890	375	ARF1	55738	ARFGAP1	-	+	0.18246
1891	2781	GNAZ	8601	RGS20	-	+	0.18216
1892	4286	MITF	7329	UBE2I	-	+	0.18152
1893	1071	CETP	335	APOA1	-	+	0.18151
1894	3579	IL8RB	5473	PPBP	-	+	0.18141
1895	1390	CREM	90993	CREB3L1	-	+	0.18107
1896	6776	STAT5A	919	CD3Z	-	+	0.17747
1897	5300	PIN1	7186	TRAF2	+	-	0.17736
1898	151254	ALS2CR11	7431	VIM	+	-	0.17732
1899	3437	IFIT3	3437	IFIT3	+	-	0.17717
1900	5781	PTPN11	6774	STAT3	-	+	0.17705
1901	10513	APPBP2	351	APP	-	+	0.17691
1902	23085	RAB6IP2	4792	NFKBIA	-	+	0.17667
1903	29947	DNMT3L	3065	HDAC1	-	+	0.17617
1904	1432	MAPK14	5606	MAP2K3	-	+	0.17590
1905	7157	TP53	995	CDC25C	-	+	0.17480
1906	311	ANXA11	6717	SRI	-	+	0.17275
1907	2534	FYN	3190	HNRPK	-	+	0.17226
1908	10749	KIF1C	7531	YWHAE	-	+	0.17067
1909	1453	CSNK1D	1857	DVL3	+	-	0.17008
1910	5747	PTK2	5781	PTPN11	-	+	0.16813
1911	64376	ZNFN1A5	64376	ZNFN1A5	+	+	0.16782
1912	1026	CDKN1A	7251	TSG101	-	+	0.16748

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
1913	2113	ETS1	2625	GATA3	-	+	0.16738
1914	11338	U2AF2	4090	SMAD5	-	+	0.16482
1915	6195	RPS6KA1	7529	YWHAB	-	+	0.16382
1916	7186	TRAF2	939	TNFRSF7	-	+	0.16371
1917	4172	MCM3	988	CDC5L	-	+	0.16345
1918	6285	S100B	7157	TP53	-	+	0.16312
1919	1116	CHI3L1	1116	CHI3L1	-	+	0.16287
1920	2775	GNAO1	5999	RGS4	-	+	0.16247
1921	5601	MAPK9	9467	SH3BP5	-	+	0.16088
1922	50619	DEF6	998	CDC42	-	+	0.16078
1923	1020	CDK5	894	CCND2	-	+	0.16018
1924	1488	CTBP2	29994	BAZ2B	+	-	0.16009
1925	27316	RBMX	3190	HNRPK	+	-	0.15793
1926	4171	MCM2	6118	RPA2	-	+	0.15773
1927	2771	GNAI2	5999	RGS4	-	+	0.15771
1928	1385	CREB1	7528	YY1	-	+	0.15654
1929	6689	SPIB	6689	SPIB	-	+	0.15626
1930	2958	GTF2A2	3297	HSF1	-	+	0.15423
1931	4998	ORC1L	6502	SKP2	-	+	0.15340
1932	4688	NCF2	5880	RAC2	-	+	0.15126
1933	163	AP2B1	8907	AP1M1	+	-	0.15068
1934	29107	NXT1	56000	NXF3	+	-	0.14971
1935	23099	ZNF297B	408	ARRB1	+	-	0.14949
1936	3579	IL8RB	6372	CXCL6	-	+	0.14935
1937	7408	VASP	7408	VASP	-	+	0.14810
1938	3696	ITGB8	7040	TGFB1	-	+	0.14779
1939	4830	NME1	6418	SET	-	+	0.14769
1940	2113	ETS1	2114	ETS2	-	+	0.14415
1941	1017	CDK2	6502	SKP2	-	+	0.14315
1942	10926	ASK	4171	MCM2	-	+	0.14206
1943	1026	CDKN1A	6774	STAT3	-	+	0.14197
1944	4089	SMAD4	9392	TGFBRAP1	-	+	0.14064
1945	23174	ZCCHC14	4782	NFIC	+	-	0.14045
1946	6612	SUMO3	7329	UBE2I	-	+	0.13989
1947	23099	ZNF297B	7186	TRAF2	+	-	0.13956
1948	387	RHOA	50619	DEF6	-	+	0.13919
1949	6275	S100A4	6275	S100A4	-	+	0.13790
1950	387	RHOA	9181	ARHGEF2	-	+	0.13750
1951	10253	SPRY2	7186	TRAF2	+	-	0.13628
1952	2534	FYN	8751	ADAM15	-	+	0.13363
1953	6850	SYK	7189	TRAF6	-	+	0.13055
1954	1173	AP2M1	163	AP2B1	+	+	0.13035
1955	1101	CHAD	1280	COL2A1	-	+	0.13001
1956	7186	TRAF2	9787	DLG7	+	-	0.12762
1957	2149	F2R	2771	GNAI2	-	+	0.12758
1958	29979	UBQLN1	4093	SMAD9	-	+	0.12695
1959	1627	DBN1	9455	HOMER2	-	+	0.12672
1960	5127	PCTK1	7532	YWHAG	-	+	0.12643
1961	7189	TRAF6	8878	SQSTM1	-	+	0.12587
1962	6502	SKP2	6502	SKP2	-	+	0.12429
1963	11143	MYST2	7431	VIM	+	-	0.12084
1964	10513	APPBP2	10513	APPBP2	-	+	0.12048
1965	4086	SMAD1	4762	NEUROG1	-	+	0.12043
1966	5216	PFN1	5216	PFN1	-	+	0.11554
1967	11143	MYST2	4998	ORC1L	-	+	0.11537
1968	2209	FCGR1A	3055	HCK	-	+	0.11485
1969	60	ACTB	60	ACTB	+	-	0.11446
1970	1369	CPN1	1369	CPN1	-	+	0.11426
1971	1385	CREB1	1390	CREM	-	+	0.11414
1972	11060	WWP2	2130	EWSR1	+	-	0.11384
1973	3131	HLF	7008	TEF	-	+	0.11352
1974	2114	ETS2	2908	NR3C1	-	+	0.11250
1975	3927	LASP1	5359	PLSCR1	+	-	0.11215
1976	1280	COL2A1	308	ANXA5	-	+	0.11102
1977	4085	MAD2L1	8379	MAD1L1	+	+	0.11075
1978	8772	FADD	9191	DEDD	-	+	0.11018
1979	2670	GFAP	6271	S100A1	-	+	0.10999
1980	2130	EWSR1	84628	NTNG2	+	-	0.10982
1981	2547	G22P1	8900	CCNA1	-	+	0.10961
1982	29979	UBQLN1	9146	HGS	+	-	0.10773
1983	5162	PDHB	5162	PDHB	-	+	0.10767
1984	5830	PEX5	5830	PEX5	-	+	0.10687
1985	2353	FOS	5970	RELA	-	+	0.10622
1986	6500	SKP1A	6500	SKP1A	-	+	0.10504
1987	5598	MAPK7	5607	MAP2K5	-	+	0.10197
1988	6714	SRC	9019	MPZL1	-	+	0.10010
1989	3932	LCK	8751	ADAM15	-	+	0.09930
1990	10320	ZNFN1A1	3065	HDAC1	-	+	0.09817
1991	10211	FLOT1	58157	NGB	-	+	0.09716
1992	4093	SMAD9	60	ACTB	-	+	0.09711
1993	5600	MAPK11	8841	HDAC3	-	+	0.09407
1994	10393	ANAPC10	4088	SMAD3	-	+	0.09187
1995	1756	DMD	58	ACTA1	-	+	0.09060
1996	5601	MAPK9	7157	TP53	-	+	0.09030
1997	2209	FCGR1A	6850	SYK	-	+	0.08962
1998	5347	PLK1	64689	GORASP1	-	+	0.08749
1999	8402	SLC25A11	8402	SLC25A11	-	+	0.08738
2000	4093	SMAD9	5467	PPARD	-	+	0.08686
2001	7846	TUBA3	9672	SDC3	-	+	0.08651

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
2002	4591	TRIM37	55872	PBK	+	-	0.08651
2003	55663	FLJ20626	80345	ZNF435	+	-	0.08256
2004	2130	EWSR1	84528	PEPP-2	+	-	0.08256
2005	2775	GNAO1	53637	EDG8	-	+	0.08182
2006	10399	GNB2L1	7297	TYK2	-	+	0.08114
2007	10399	GNB2L1	3455	IFNAR2	-	+	0.08101
2008	1856	DVL2	79753	SNIP1	+	-	0.08028
2009	369	ARAF	8533	COPS3	-	+	0.07956
2010	22981	KIAA0980	3726	JUNB	+	-	0.07699
2011	648	PCGF4	7704	ZBTB16	-	+	0.07678
2012	7531	YWHAE	9402	GRAP2	+	-	0.07621
2013	11018	TMED1	4088	SMAD3	-	+	0.07285
2014	23658	LSM5	25804	LSM4	-	+	0.07235
2015	23468	CBX5	2547	G22P1	-	+	0.06955
2016	11157	LSM6	25804	LSM4	-	+	0.06786
2017	375	ARF1	9266	PSCD2	-	+	0.06707
2018	2972	BRF1	5933	RBL1	-	+	0.06586
2019	3159	HMG1A1	4800	NFYA	-	+	0.06477
2020	2214	FCGR3A	7535	ZAP70	-	+	0.06440
2021	6282	S100A11	6285	S100B	-	+	0.06428
2022	5156	PDGFRA	857	CAV1	-	+	0.05986
2023	1856	DVL2	8907	API1M1	+	-	0.05981
2024	51567	TTRAP	7188	TRAF5	-	+	0.05725
2025	6895	TARBP2	6895	TARBP2	-	+	0.05674
2026	10401	PIAS3	5970	RELA	-	+	0.05556
2027	57510	XPO5	8772	FADD	-	+	0.05528
2028	5300	PIN1	81628	TSC22D4	+	-	0.05299
2029	4005	LMO2	4807	NHLH1	-	+	0.05278
2030	10403	KNTC2	4085	MAD2L1	-	+	0.05019
2031	4093	SMAD9	7337	UBE3A	-	+	0.04783
2032	3065	HDAC1	5371	PML	-	+	0.04774
2033	60	ACTB	70	ACTC	-	+	0.04672
2034	2113	ETS1	2908	NR3C1	-	+	0.04665
2035	151254	ALS2CR11	7414	VCL	-	+	0.04471
2036	1410	CRYAB	5684	PSMA3	-	+	0.04403
2037	1756	DMD	70	ACTC	-	+	0.04141
2038	55503	TRPV6	6281	S100A10	-	+	0.04046
2039	11030	RBPMS	11030	RBPMS	+	-	0.04015
2040	6635	SNRPE	6635	SNRPE	-	+	0.04004
2041	1857	DVL3	84708	LNX	+	-	0.03856
2042	5914	RARA	896	CCND3	-	+	0.03845
2043	3678	ITGA5	928	CD9	-	+	0.03669
2044	51194	IPO11	7186	TRAF2	+	-	0.03611
2045	4093	SMAD9	64129	LCN7	-	+	0.03570
2046	3577	IL8RA	6372	CXCL6	-	+	0.03467
2047	1026	CDKN1A	1647	GADD45A	-	+	0.03316
2048	7251	TSG101	90678	LR5AM1	+	-	0.03286
2049	27101	CACYBP	6271	S100A1	-	+	0.03198
2050	27229	76P	3875	KRT18	+	-	0.03191
2051	4318	MMP9	6374	CXCL5	-	+	0.03162
2052	58	ACTA1	5879	RAC1	-	+	0.03028
2053	4093	SMAD9	56893	UBQLN4	-	+	0.02982
2054	71	ACTG1	71	ACTG1	+	-	0.02861
2055	5921	RASA1	9046	DOK2	-	+	0.02814
2056	1643	DDB2	3065	HDAC1	-	+	0.02704
2057	4771	NF2	9146	HGS	-	+	0.02628
2058	29922	NME7	3875	KRT18	+	-	0.02519
2059	1017	CDK2	1027	CDKN1B	-	+	0.02467
2060	1019	CDK4	1027	CDKN1B	-	+	0.02362
2061	3420	IDH3B	3421	IDH3G	-	+	0.02316
2062	1277	COL1A1	5034	P4HB	-	+	0.02305
2063	23062	GGA2	377	ARF3	-	+	0.02247
2064	4110	MAGEA11	87	ACTN1	+	-	0.02206
2065	6714	SRC	7531	YWHAE	-	+	0.02195
2066	4134	MAP4	57787	MARK4	-	+	0.02017
2067	10926	ASK	4176	MCM7	-	+	0.01913
2068	60	ACTB	71	ACTG1	+	-	0.01907
2069	10567	RABAC1	387	RHOA	-	+	0.01899
2070	29127	RACGAP1	8153	RND2	-	+	0.01882
2071	30011	SH3KBP1	6455	SH3GL1	-	+	0.01354
2072	2623	GATA1	4005	LMO2	-	+	0.01283
2073	5925	RB1	8575	PRKRA	-	+	0.01189
2074	374	AREG	4318	MMP9	-	+	0.01133
2075	5905	RANGAP1	6613	SUMO2	-	+	0.01123
2076	5585	PKN1	7431	VIM	-	+	0.01116
2077	27101	CACYBP	6500	SKP1A	-	+	0.01054
2078	581	BAX	597	BCL2A1	-	+	0.01021
2079	5170	PDPK1	6446	SGK	-	+	0.00934
2080	23411	SIRT1	2547	G22P1	-	+	0.00875
2081	2353	FOS	4286	MITF	-	+	0.00770
2082	3131	HLF	468	ATF4	-	+	0.00734
2083	1870	E2F2	5925	RB1	-	+	0.00724
2084	10600	USP16	983	CDC2	-	+	0.00649
2085	5747	PTK2	660	BMX	-	+	0.00647
2086	5700	PSMC1	5713	PSMD7	-	+	0.00639
2087	11030	RBPMS	5300	PIN1	+	-	0.00633
2088	4780	NFE2L2	836	CASP3	-	+	0.00513
2089	10489	MUF1	6921	TCEB1	-	+	0.00496
2090	22920	KIFAP3	6714	SRC	-	+	0.00485

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
2091	1876	E2F6	7027	TFDP1	+	-	0.00477
2092	23214	XPO6	23636	NUP62	+	-	0.00422
2093	375	ARF1	8394	PIP5K1A	-	+	0.00366
2094	3481	IGF2	7448	VTN	-	+	0.00332
2095	8740	TNFRSF14	8764	TNFRSF14	-	+	0.00262
2096	6503	SLA	919	CD3Z	-	+	-0.00004
2097	1390	CREM	1390	CREM	-	+	-0.00045
2098	7414	VCL	9879	DDX46	-	+	-0.00055
2099	3303	HSPA1A	9093	DNAJA3	-	+	-0.00239
2100	1173	AP2M1	9513	FXR2	+	-	-0.00324
2101	1737	DLAT	8050	PDHX	-	+	-0.00398
2102	5868	RAB5A	9610	RIN1	-	+	-0.00599
2103	2130	EWSR1	4089	SMAD4	+	-	-0.00670
2104	1102	CHC1L	1102	CHC1L	+	-	-0.00694
2105	3091	HIF1A	7157	TP53	-	+	-0.00796
2106	54997	TSC	6548	SLC9A1	-	+	-0.00879
2107	56474	CTPS2	56474	CTPS2	+	-	-0.00930
2108	26136	TES	26136	TES	-	+	-0.00986
2109	3312	HSPA8	9093	DNAJA3	-	+	-0.01302
2110	10672	GNA13	2840	GPR17	-	+	-0.01444
2111	25988	MIZF	7186	TRAF2	+	-	-0.01481
2112	27301	APEX2	4591	TRIM37	+	-	-0.01535
2113	23650	TRIM29	4292	MLH1	+	-	-0.01752
2114	10256	CNKSR1	387	RHOA	-	+	-0.01759
2115	8772	FADD	8797	TNFRSF10A	-	+	-0.01782
2116	1026	CDKN1A	10912	GADD45G	-	+	-0.01920
2117	1385	CREB1	30818	CSEN	-	+	-0.01935
2118	4687	NCF1	4687	NCF1	-	+	-0.02043
2119	3297	HSF1	5601	MAPK9	-	+	-0.02094
2120	1478	CSTF2	1479	CSTF3	-	+	-0.02384
2121	8945	BTRC	920	CD4	-	+	-0.02398
2122	5127	PCTK1	7531	YWHAE	-	+	-0.02496
2123	5925	RB1	8535	CBX4	-	+	-0.02516
2124	7280	TUBB2	9672	SDC3	-	+	-0.02776
2125	871	SERPINH1	928	CD9	-	+	-0.02787
2126	22827	SIAHBP1	22827	SIAHBP1	+	-	-0.02974
2127	30818	CSEN	5663	PSEN1	-	+	-0.03039
2128	7157	TP53	8575	PRKRA	-	+	-0.03061
2129	3183	HNRPC	5300	PIN1	+	-	-0.03069
2130	8890	EIF2B4	8892	EIF2B2	-	+	-0.03092
2131	5152	PDE9A	5152	PDE9A	+	-	-0.03163
2132	5979	RET	6774	STAT3	-	+	-0.03187
2133	1390	CREM	30818	CSEN	-	+	-0.03216
2134	3577	IL8RA	6374	CXCL5	-	+	-0.03219
2135	4090	SMAD5	5936	RBM4	-	+	-0.03295
2136	1942	EFNA1	2045	EPHA7	-	+	-0.03301
2137	3866	KRT15	3875	KRT18	+	-	-0.03371
2138	3148	HMGB2	6418	SET	-	+	-0.03375
2139	7409	VAV1	7535	ZAP70	-	+	-0.03426
2140	2204	FCAR	2204	FCAR	-	+	-0.03435
2141	2547	G22P1	4088	SMAD3	-	+	-0.03452
2142	8772	FADD	8837	CFLAR	-	+	-0.03468
2143	7132	TNFRSF1A	7341	SUMO1	-	+	-0.03496
2144	25804	LSM4	57819	LSM2	-	+	-0.03537
2145	1454	CSNK1E	8863	PER3	-	+	-0.03583
2146	5879	RAC1	7277	TUBA1	-	+	-0.03599
2147	407	ARR3	6714	SRC	-	+	-0.03725
2148	4605	MYBL2	90441	ZNF622	-	+	-0.03747
2149	57658	KIAA1536	8061	FOSL1	+	-	-0.03792
2150	11157	LSM6	23658	LSM5	-	+	-0.03969
2151	10691	GMEB1	4086	SMAD1	-	+	-0.04014
2152	10482	NXF1	29107	NXT1	+	+	-0.04021
2153	5770	PTPN1	857	CAV1	-	+	-0.04091
2154	10383	TUBB2	7414	VCL	-	+	-0.04431
2155	3956	LGALS1	920	CD4	-	+	-0.04502
2156	26136	TES	7408	VASP	-	+	-0.04508
2157	3320	HSPCA	8517	IKBKKG	-	+	-0.04542
2158	573	BAG1	6767	ST13	-	+	-0.04604
2159	23657	SLC7A11	6520	SLC3A2	-	+	-0.04647
2160	5245	PHB	5894	RAF1	-	+	-0.04656
2161	6647	SOD1	6647	SOD1	-	+	-0.04720
2162	10859	LILRB1	567	B2M	-	+	-0.04763
2163	1432	MAPK14	1649	DDIT3	-	+	-0.04797
2164	6520	SLC3A2	920	CD4	-	+	-0.04808
2165	4093	SMAD9	8665	EIF355	-	+	-0.04857
2166	11216	AKAP10	5573	PRKAR1A	+	+	-0.04941
2167	10197	PSME3	10197	PSME3	+	-	-0.05012
2168	7134	TNNC1	7139	TNNT2	-	+	-0.05089
2169	2580	GAK	8615	VDP	+	-	-0.05157
2170	2885	GRB2	5770	PTPN1	-	+	-0.05171
2171	4793	NFKB1B	6256	RXRA	-	+	-0.05194
2172	4591	TRIM37	7188	TRAF5	-	+	-0.05235
2173	1737	DLAT	5160	PDHA1	-	+	-0.05280
2174	7251	TSG101	9146	HGS	+	+	-0.05361
2175	138046	LOC138046	9513	FXR2	+	-	-0.05378
2176	5195	PEX14	5824	PEX19	-	+	-0.05441
2177	6477	SIAH1	7321	UBE2D1	-	+	-0.05465
2178	3183	HNRPC	55285	FLJ11016	+	-	-0.05538
2179	3312	HSPA8	7132	TNFRSF1A	-	+	-0.05540

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
2180	30008	EFEMP2	7157	TP53	-	+	-0.05751
2181	4057	LTF	4589	MUC7	-	+	-0.05757
2182	2896	GRN	4093	SMAD9	-	+	-0.05808
2183	60	ACTB	7168	TPM1	-	+	-0.05832
2184	3689	ITGB2	8533	COPS3	-	+	-0.05832
2185	2214	FCGR3A	6464	SHC1	-	+	-0.05944
2186	836	CASP3	9191	DEDD	-	+	-0.06035
2187	1453	CSNK1D	8863	PER3	-	+	-0.06102
2188	11030	RBPMS	9883	POM121	+	-	-0.06105
2189	6304	SATB1	7329	UBE2I	+	-	-0.06128
2190	8907	AP1M1	9513	FXR2	+	-	-0.06188
2191	8778	SIGLEC5	8778	SIGLEC5	-	+	-0.06193
2192	2175	FANCA	2175	FANCA	-	+	-0.06402
2193	1021	CDK6	896	CCND3	-	+	-0.06494
2194	1432	MAPK14	5778	PTPN7	-	+	-0.06555
2195	2963	GTF2F2	4488	MSX2	-	+	-0.06562
2196	3059	HCLS1	63898	SH2D4A	+	-	-0.06633
2197	481	ATP1B1	53822	FXD7	-	+	-0.06666
2198	2769	GNAI5	3577	IL8RA	-	+	-0.06668
2199	4313	MMP2	4313	MMP2	-	+	-0.06821
2200	331	BIRC4	836	CASP3	-	+	-0.06830
2201	27257	LSM1	55823	VPS11	-	+	-0.06865
2202	1646	AKR1C2	1646	AKR1C2	-	+	-0.06942
2203	10749	KIF1C	7529	YWHAB	-	+	-0.07058
2204	151254	ALS2CR11	4175	MCM6	+	-	-0.07136
2205	10926	ASK	4999	ORC2L	-	+	-0.07307
2206	5478	PPIA	5925	RB1	-	+	-0.07415
2207	2059	EPS8	6464	SHC1	-	+	-0.07477
2208	1645	AKR1C1	1645	AKR1C1	-	+	-0.07502
2209	4999	ORC2L	5000	ORC4L	-	+	-0.07545
2210	2810	SFN	8534	CHST1	+	-	-0.07564
2211	11059	WWP1	2130	EWSR1	+	-	-0.07713
2212	6813	STXB2P2	8773	SNAP23	-	+	-0.07752
2213	23075	SWAP70	4691	NCL	-	+	-0.07817
2214	1019	CDK4	332	BIRC5	-	+	-0.07853
2215	5725	PTBP1	6626	SNRPA	+	-	-0.07875
2216	821	CANX	912	CD1D	-	+	-0.07918
2217	2288	FKBP4	2908	NR3C1	-	+	-0.07931
2218	4088	SMAD3	5518	PPP2R1A	-	+	-0.08061
2219	6500	SKP1A	84893	FBXO18	-	+	-0.08296
2220	6714	SRC	7205	TRIP6	-	+	-0.08298
2221	11338	U2AF2	22827	SHAHBP1	+	-	-0.08311
2222	4208	MEF2C	5598	MAPK7	-	+	-0.08375
2223	1856	DVL2	407	ARR3	+	-	-0.08402
2224	84528	PEPP-2	84528	PEPP-2	+	-	-0.08493
2225	5371	PML	8841	HDAC3	-	+	-0.08520
2226	5590	PRKCZ	60312	AFAP	-	+	-0.08601
2227	23219	FBXO28	7186	TRAF2	+	-	-0.08783
2228	7186	TRAF2	83707	MGC11134	+	-	-0.08884
2229	5479	PPIB	6776	STAT5A	-	+	-0.08925
2230	1495	CTNNA1	87	ACTN1	-	+	-0.09002
2231	4090	SMAD5	85313	PPIL4	-	+	-0.09087
2232	634	CEACAM1	6464	SHC1	-	+	-0.09120
2233	4318	MMP9	4318	MMP9	-	+	-0.09123
2234	5598	MAPK7	5894	RAF1	-	+	-0.09431
2235	4088	SMAD3	5097	PCDH1	-	+	-0.09547
2236	2963	GTF2F2	468	ATF4	-	+	-0.09558
2237	5371	PML	6613	SUMO2	-	+	-0.09929
2238	329	BIRC2	836	CASP3	-	+	-0.09929
2239	396	ARHGDI3	5879	RAC1	-	+	-0.09999
2240	5879	RAC1	60	ACTB	-	+	-0.10021
2241	8440	NCK2	9513	FXR2	+	-	-0.10079
2242	4171	MCM2	4999	ORC2L	-	+	-0.10092
2243	3688	ITGB1	7529	YWHAB	-	+	-0.10129
2244	4312	MMP1	682	BSG	-	+	-0.10207
2245	4093	SMAD9	79048	SECISBP2	-	+	-0.10272
2246	5530	PPP3CA	5590	PRKCZ	-	+	-0.10414
2247	2353	FOS	468	ATF4	-	+	-0.10622
2248	4591	TRIM37	9513	FXR2	+	-	-0.10656
2249	1432	MAPK14	1459	CSNK2A2	-	+	-0.10664
2250	1964	EIF1AX	8663	EIF3S8	-	+	-0.10694
2251	2923	PDIA3	811	CALR	-	+	-0.10749
2252	5590	PRKCZ	5970	RELA	-	+	-0.11050
2253	2534	FYN	5329	PLAUR	-	+	-0.11111
2254	5589	PRKCSH	821	CANX	-	+	-0.11116
2255	5725	PTBP1	5725	PTBP1	+	-	-0.11119
2256	273	AMPH	7448	VTN	-	+	-0.11195
2257	5747	PTK2	6850	SYK	-	+	-0.11202
2258	10492	SYNCRIP	7414	VCL	-	+	-0.11342
2259	7431	VIM	9124	PDLIM1	+	-	-0.11355
2260	10742	RAI2	54557	SGTB	+	-	-0.11364
2261	10636	RGS14	7186	TRAF2	+	-	-0.11411
2262	4807	NHLH1	8048	CSR3	-	+	-0.11455
2263	4172	MCM3	6772	STAT1	-	+	-0.11498
2264	3959	LGALS3BP	929	CD14	-	+	-0.11527
2265	3866	KRT15	3880	KRT19	+	-	-0.11529
2266	6776	STAT5A	6850	SYK	-	+	-0.11563
2267	10392	CARD4	10392	CARD4	-	+	-0.11571
2268	23462	HEY1	4093	SMAD9	-	+	-0.11669



No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
2269	10733	PLK4	10733	PLK4	+	-	-0.11718
2270	64689	GORASP1	983	CDC2	-	+	-0.11732
2271	2130	EWSR1	63948	DMRTB1	+	-	-0.11750
2272	5925	RB1	9321	TRIP11	-	+	-0.11786
2273	10495	COVA1	55068	FLJ10094	+	-	-0.12136
2274	3434	IFIT1	3437	IFIT3	+	-	-0.12175
2275	11216	AKAP10	5576	PRKAR2A	-	+	-0.12227
2276	1459	CSNK2A2	2246	FGF1	-	+	-0.12235
2277	7251	TSG101	7251	TSG101	-	+	-0.12251
2278	3190	HNRPK	9444	QKI	+	-	-0.12263
2279	5817	PVR	6990	TCTE1L	-	+	-0.12341
2280	7186	TRAF2	9726	ZNF646	+	-	-0.12498
2281	5071	PARK2	7314	UBB	-	+	-0.12679
2282	6811	STX5A	9554	SEC22L1	-	+	-0.12712
2283	3561	IL2RG	6464	SHC1	-	+	-0.12748
2284	3320	HSPCA	5465	PPARA	-	+	-0.13018
2285	23360	FNBP4	3930	LBR	-	+	-0.13039
2286	5170	PDPK1	5585	PKN1	-	+	-0.13154
2287	50619	DEF6	5880	RAC2	-	+	-0.13366
2288	7869	SEMA3B	7869	SEMA3B	-	+	-0.13457
2289	1454	CSNK1E	5187	PER1	-	+	-0.13472
2290	60312	AFAP	60312	AFAP	-	+	-0.13481
2291	7373	COL14A1	960	CD44	-	+	-0.13558
2292	5328	PLAU	5328	PLAU	-	+	-0.13671
2293	4313	MMP2	7079	TIMP4	-	+	-0.13822
2294	6050	RNH	6050	RNH	-	+	-0.14070
2295	1019	CDK4	4088	SMAD3	-	+	-0.14135
2296	5319	PLA2G1B	9373	PLAA	-	+	-0.14168
2297	5757	PTMA	6418	SET	-	+	-0.14201
2298	6714	SRC	8751	ADAM15	-	+	-0.14225
2299	2896	GRN	8940	TOP3B	-	+	-0.14301
2300	410	ARSA	410	ARSA	-	+	-0.14638
2301	6286	S100P	7430	VIL2	-	+	-0.14653
2302	10445	MCRS1	4591	TRIM37	+	-	-0.14727
2303	1947	EFNB1	6714	SRC	-	+	-0.14857
2304	4605	MYBL2	5933	RBL1	-	+	-0.15232
2305	5300	PIN1	83637	DKFZp76112123	+	-	-0.15286
2306	1195	CLK1	6431	SFRS6	-	+	-0.15516
2307	6772	STAT1	7329	UBE2I	-	+	-0.15618
2308	1454	CSNK1E	1856	DVL2	+	-	-0.15624
2309	3384	ICAM2	3689	ITGB2	-	+	-0.15708
2310	5170	PDPK1	5579	PRKCB1	-	+	-0.15731
2311	113675	SDSL	113675	SDSL	+	-	-0.15807
2312	4089	SMAD4	51497	TH1L	-	+	-0.15899
2313	1810	DR1	54107	POLE3	+	-	-0.15918
2314	2161	F12	351	APP	-	+	-0.15935
2315	4090	SMAD5	6626	SNRPA	-	+	-0.16069
2316	4841	NONO	5111	PCNA	-	+	-0.16079
2317	902	CCNH	9112	MTA1	-	+	-0.16096
2318	6005	RHAG	961	CD47	-	+	-0.16109
2319	4605	MYBL2	6502	SKP2	-	+	-0.16195
2320	6342	SCP2	857	CAV1	-	+	-0.16315
2321	5777	PTPN6	7132	TNFRSF1A	-	+	-0.16494
2322	2770	GNAI1	6752	SSTR2	-	+	-0.16503
2323	10459	MAD2L2	10459	MAD2L2	-	+	-0.16540
2324	3190	HNRPK	9782	MATR3	+	-	-0.16545
2325	10087	COL4A3BP	10087	COL4A3BP	+	-	-0.16595
2326	1994	ELAVL1	1994	ELAVL1	-	+	-0.16930
2327	5781	PTPN11	7075	TIE1	-	+	-0.16977
2328	2046	EPHA8	5294	PIK3CG	-	+	-0.17068
2329	1195	CLK1	9128	PRPF4	-	+	-0.17099
2330	1514	CTSL	6317	SERPINB3	-	+	-0.17128
2331	10611	PDLIM5	5579	PRKCB1	-	+	-0.17201
2332	11060	WWP2	7408	VASP	+	-	-0.17210
2333	4591	TRIM37	7189	TRAF6	-	+	-0.17210
2334	11030	RBPMS	23543	RBM9	+	-	-0.17284
2335	57819	LSM2	6633	SNRPD2	-	+	-0.17321
2336	5957	RCV1	857	CAV1	-	+	-0.17461
2337	3146	HMG1B	3190	HNRPK	-	+	-0.17515
2338	29979	UBQLN1	5276	SERPINI2	+	-	-0.17521
2339	27101	CACYBP	6286	S100P	-	+	-0.17788
2340	51074	MMRP19	51074	MMRP19	+	-	-0.17926
2341	3398	ID2	9242	MSC	-	+	-0.17942
2342	51194	IPO11	5901	RAN	-	+	-0.17950
2343	5706	PSMC6	5715	PSMD9	+	-	-0.17989
2344	26508	HEYL	4088	SMAD3	-	+	-0.18146
2345	351	APP	642	BLMH	-	+	-0.18170
2346	1191	CLU	2547	G22P1	-	+	-0.18214
2347	3577	IL8RA	5473	PPBP	-	+	-0.18262
2348	4129	MAOB	4129	MAOB	-	+	-0.18359
2349	114790	STK11IP	4089	SMAD4	-	+	-0.18409
2350	10540	DCTN2	1647	GADD45A	+	-	-0.18429
2351	2444	FRK	5925	RB1	-	+	-0.18493
2352	10399	GNB2L1	2534	FYN	-	+	-0.18502
2353	5781	PTPN11	7132	TNFRSF1A	-	+	-0.18571
2354	291	SLC25A4	581	BAX	-	+	-0.18634
2355	1639	DCTN1	328	APEX1	-	+	-0.18686
2356	4792	NFKBIA	7157	TP53	-	+	-0.18719
2357	11157	LSM6	6633	SNRPD2	-	+	-0.18730

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
2358	51493	HSPC117	7414	VCL	-	+	-0.18798
2359	7704	ZBTB16	983	CDC2	-	+	-0.18842
2360	5605	MAP2K2	5894	RAF1	-	+	-0.18919
2361	55437	ALS2CR2	7189	TRAF6	-	+	-0.18952
2362	25937	WWTR1	7004	TEAD4	+	-	-0.18958
2363	7186	TRAF2	857	CAV1	-	+	-0.19044
2364	1280	COL2A1	84171	LOXL4	-	+	-0.19115
2365	2212	FCGR2A	3055	HCK	-	+	-0.19193
2366	1947	EFNB1	8440	NCK2	-	+	-0.19202
2367	10278	EF5	5747	PTK2	-	+	-0.19255
2368	23228	PLCL2	5499	PPP1CA	-	+	-0.19260
2369	2670	GFAP	27229	76P	+	-	-0.19442
2370	129563	MGC42174	7414	VCL	-	+	-0.19445
2371	10589	DRAP1	51616	TAF9L	+	-	-0.19515
2372	573	BAG1	598	BCL2L1	-	+	-0.19526
2373	26003	GORASP2	4835	NQO2	+	-	-0.19537
2374	4793	NFKB1B	5970	RELA	-	+	-0.19659
2375	11200	CHEK2	5347	PLK1	-	+	-0.19696
2376	23710	GABARAPL1	8878	SQSTM1	+	-	-0.19746
2377	127557	ZBTB8	58500	ZNF250	+	-	-0.19750
2378	1857	DVL3	5307	PITX1	+	-	-0.19832
2379	2043	EPHA4	22899	ARHGEF15	-	+	-0.19863
2380	1856	DVL2	7186	TRAF2	+	-	-0.19874
2381	3359	HTR3A	821	CANX	-	+	-0.20004
2382	5499	PPP1CA	5925	RB1	-	+	-0.20031
2383	1453	CSNK1D	5187	PER1	-	+	-0.20047
2384	6925	TCF4	862	RUNX1T1	-	+	-0.20549
2385	140576	S100A16	57402	S100A14	+	-	-0.20596
2386	2534	FYN	7277	TUBA1	-	+	-0.20772
2387	10376	K-ALPHA-1	2534	FYN	-	+	-0.20799
2388	11052	CPSF6	8440	NCK2	+	-	-0.20857
2389	4176	MCM7	4999	ORC2L	-	+	-0.21085
2390	1407	CRY1	868	CBLB	+	-	-0.21444
2391	387	RHOA	7052	TGM2	-	+	-0.21575
2392	4191	MDH2	4191	MDH2	-	+	-0.21606
2393	51100	SH3GLB1	581	BAX	-	+	-0.21642
2394	10320	ZNFN1A1	22807	ZNFN1A2	-	+	-0.21800
2395	5901	RAN	6749	SSRP1	-	+	-0.21968
2396	8841	HDAC3	9569	GTF2IRD1	-	+	-0.22030
2397	6297	SALL2	83637	DKFZp761I2123	+	-	-0.22199
2398	2670	GFAP	9260	PDLIM7	+	-	-0.22212
2399	4176	MCM7	9939	RBM8A	+	-	-0.22323
2400	2534	FYN	7278	TUBA2	-	+	-0.22340
2401	3312	HSPA8	3337	DNAJB1	-	+	-0.22352
2402	1021	CDK6	894	CCND2	-	+	-0.22429
2403	5499	PPP1CA	8027	STAM	-	+	-0.22430
2404	7164	TPD52L1	7529	YWHAB	-	+	-0.22640
2405	10928	RALBP1	1173	AP2M1	-	+	-0.22740
2406	3661	IRF3	3663	IRF5	-	+	-0.22751
2407	3320	HSPCA	7132	TNFRSF1A	-	+	-0.22804
2408	26353	HSPB8	27129	HSPB7	+	-	-0.22909
2409	4292	MLH1	9877	KIAA0663	+	-	-0.23142
2410	657	BMPRI1A	9392	TGFBRAP1	-	+	-0.23222
2411	1877	E4F1	7157	TP53	-	+	-0.23270
2412	4999	ORC2L	6118	RPA2	-	+	-0.23298
2413	2113	ETS1	6672	SP100	-	+	-0.23316
2414	10589	DRAP1	1810	DR1	-	+	-0.23330
2415	183	AGT	185	AGTR1	-	+	-0.23356
2416	7253	TSHR	811	CALR	-	+	-0.23397
2417	1315	COPB	26958	COPG2	-	+	-0.23508
2418	2272	FHIT	2272	FHIT	+	-	-0.23640
2419	1017	CDK2	1026	CDKN1A	-	+	-0.23831
2420	84062	DTNBP1	896	CCND3	+	-	-0.23858
2421	70	ACTC	7454	WAS	-	+	-0.23917
2422	578	BAK1	7157	TP53	-	+	-0.23975
2423	7341	SUMO1	9063	PIAS2	-	+	-0.23977
2424	54550	EFCBP2	825	CAPN3	+	-	-0.24028
2425	8996	NOL3	8996	NOL3	+	-	-0.24132
2426	443	ASPA	443	ASPA	+	-	-0.24160
2427	5925	RB1	6015	RING1	-	+	-0.24204
2428	1942	EFNA1	2043	EPHA4	-	+	-0.24297
2429	10450	PPIE	56949	XAB2	+	-	-0.24374
2430	7186	TRAF2	9513	FXR2	+	-	-0.24517
2431	1487	CTBP1	2004	ELK3	-	+	-0.24644
2432	10262	SF3B4	8440	NCK2	+	-	-0.24660
2433	138046	LOC138046	55885	LMO3	+	-	-0.24694
2434	25932	CLIC4	60	ACTB	-	+	-0.24718
2435	91	ACVR1B	9392	TGFBRAP1	-	+	-0.24915
2436	29098	RANGNRF	5901	RAN	-	+	-0.25104
2437	382	ARF6	9266	PSCD2	-	+	-0.25202
2438	6426	SFRS1	84708	LNK	+	-	-0.25280
2439	1238	CCBP2	6363	CCL19	-	+	-0.25358
2440	7414	VCL	9987	HNRPDL	-	+	-0.25391
2441	3303	HSPA1A	3337	DNAJB1	-	+	-0.25396
2442	355	FAS	3932	LCK	-	+	-0.25416
2443	6118	RPA2	6774	STAT3	-	+	-0.25434
2444	137994	LETM2	7414	VCL	-	+	-0.25439
2445	4998	ORC1L	988	CDC5L	-	+	-0.25490
2446	151871	DPPA2	58500	ZNF250	+	-	-0.25496

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
2447	2534	FYN	355	FAS	-	+	-0.25560
2448	138046	LOC138046	55285	FLJ11016	+	-	-0.25609
2449	1977	EIF4E	7414	VCL	-	+	-0.25619
2450	1398	CRK	5706	PSMC6	+	-	-0.25664
2451	7037	TFRC	920	CD4	-	+	-0.25728
2452	1054	CEBPG	3131	HLF	-	+	-0.25731
2453	2932	GSK3B	5579	PRKCB1	-	+	-0.25824
2454	3866	KRT15	5630	PRPH	+	-	-0.25914
2455	60496	AASDHPPT	7186	TRAF2	+	-	-0.25924
2456	3091	HIF1A	8533	COPS3	-	+	-0.25999
2457	4605	MYBL2	997	CDC34	-	+	-0.26057
2458	10567	RABAC1	10567	RABAC1	+	-	-0.26232
2459	5879	RAC1	5910	RAP1GDS1	-	+	-0.26433
2460	1737	DLAT	5162	PDHB	-	+	-0.26448
2461	2706	GJB2	857	CAV1	-	+	-0.26570
2462	2208	FCER2	2534	FYN	-	+	-0.26635
2463	10016	PDCD6	311	ANXA11	-	+	-0.26716
2464	25804	LSM4	6635	SNRPE	-	+	-0.26808
2465	301	ANXA1	3856	KRT8	-	+	-0.26809
2466	1908	EDN3	1909	EDNRA	-	+	-0.26829
2467	1390	CREM	4783	NFIL3	-	+	-0.26840
2468	302	ANXA2	6277	S100A6	-	+	-0.26989
2469	150094	SNF1LK	9218	VAPA	-	+	-0.26990
2470	9454	HOMER3	9456	HOMER1	-	+	-0.27076
2471	10469	TIMM44	369	ARAF	-	+	-0.27115
2472	3661	IRF3	5055	SERPINB2	-	+	-0.27190
2473	3146	HMGB1	5925	RB1	-	+	-0.27300
2474	4175	MCM6	5682	PSMA1	+	-	-0.27371
2475	2870	GRK6	5957	RCV1	-	+	-0.27400
2476	408	ARRB1	5744	PTHLH	-	+	-0.27434
2477	10298	PAK4	998	CDC42	-	+	-0.27500
2478	7132	TNFRSF1A	840	CASP7	-	+	-0.27524
2479	382	ARF6	8394	PIP5K1A	-	+	-0.27524
2480	1019	CDK4	1030	CDKN2B	-	+	-0.27532
2481	10174	SCAM-1	10521	DDX17	+	-	-0.27541
2482	4605	MYBL2	7314	UBB	-	+	-0.27594
2483	1054	CEBPG	90993	CREB3L1	-	+	-0.27625
2484	375	ARF1	84725	PLEKHAB	-	+	-0.27896
2485	22981	KIAA0980	7138	TNNT1	+	-	-0.28039
2486	4313	MMP2	9076	CLDN1	-	+	-0.28042
2487	5747	PTK2	961	CD47	-	+	-0.28092
2488	3594	IL12RB1	6775	STAT4	-	+	-0.28174
2489	25937	WWTR1	7005	TEAD3	+	-	-0.28303
2490	2353	FOS	5371	PML	-	+	-0.28407
2491	4690	NCK1	8894	EIF2S2	-	+	-0.28470
2492	5499	PPP1CA	7157	TP53	-	+	-0.28662
2493	3491	CYR61	3693	ITGB5	-	+	-0.28726
2494	3055	HCK	8751	ADAM15	-	+	-0.28730
2495	8795	TNFRSF10B	8837	CFLAR	-	+	-0.28890
2496	2810	SFN	79666	PLEKHF2	+	-	-0.28897
2497	1478	CSTF2	1653	DDX1	-	+	-0.28986
2498	1104	CHC1	8498	RANBP3	-	+	-0.28992
2499	5371	PML	7704	ZBTB16	-	+	-0.29070
2500	6714	SRC	966	CD59	-	+	-0.29109
2501	58	ACTA1	6876	TAGLN	-	+	-0.29190
2502	11200	CHEK2	4436	MSH2	-	+	-0.29350
2503	10458	BAIAP2	998	CDC42	-	+	-0.29624
2504	1238	CCBP2	6347	CCL2	-	+	-0.29685
2505	4282	MIF	7414	VCL	-	+	-0.29936
2506	4192	MDK	6382	SDC1	-	+	-0.30168
2507	10399	GNB2L1	7280	TUBB2	-	+	-0.30369
2508	369	ARAF	59349	KLHL12	+	-	-0.30707
2509	79092	CARD14	9319	TRIP13	+	-	-0.30758
2510	10457	GPNMB	4089	SMAD4	-	+	-0.30761
2511	3146	HMGB1	5970	RELA	-	+	-0.30767
2512	5861	RAB1A	8615	VDP	-	+	-0.30859
2513	1639	DCTN1	7431	VIM	-	+	-0.30867
2514	6728	SRP19	6729	SRP54	-	+	-0.31052
2515	23636	NUP62	26003	GORASP2	+	-	-0.31122
2516	2769	GNAI5	5997	RGS2	-	+	-0.31155
2517	3320	HSPCA	6774	STAT3	-	+	-0.31266
2518	122786	C14orf31	4292	MLH1	+	-	-0.31338
2519	3854	KRT6B	3880	KRT19	+	-	-0.31341
2520	1810	DR1	4783	NFIL3	-	+	-0.31377
2521	5664	PSEN2	598	BCL2L1	-	+	-0.31433
2522	5359	PLSCR1	7536	SF1	+	-	-0.31709
2523	10749	KIF1C	7532	YWHAQ	-	+	-0.31709
2524	11065	UBE2C	29882	ANAPC2	-	+	-0.31818
2525	1601	DAB2	1857	DVL3	-	+	-0.31840
2526	3091	HIF1A	3320	HSPCA	-	+	-0.31870
2527	7329	UBE2I	9146	HGS	-	+	-0.31925
2528	5573	PRKAR1A	79666	PLEKHF2	+	-	-0.31933
2529	5747	PTK2	6464	SHC1	-	+	-0.31936
2530	5371	PML	5925	RB1	-	+	-0.31986
2531	11338	U2AF2	7414	VCL	-	+	-0.31999
2532	2885	GRB2	597	BCL2A1	-	+	-0.32058
2533	3386	ICAM4	3689	ITGB2	-	+	-0.32082
2534	5901	RAN	8498	RANBP3	-	+	-0.32278
2535	51567	TTRAP	7341	SUMO1	-	+	-0.32468
					-	+	-0.32539
					-	+	-0.32564

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
2536	3303	HSPA1A	51726	DNAJB11	-	+	-0.32719
2537	2697	GJA1	857	CAV1	-	+	-0.32724
2538	11261	CHP	9262	STK17B	-	+	-0.32729
2539	4215	MAP3K3	7531	YWHAE	-	+	-0.32945
2540	4783	NFIL3	4783	NFIL3	-	+	-0.32978
2541	2130	EWSR1	4591	TRIM37	+	-	-0.33023
2542	5880	RAC2	8454	CUL1	-	+	-0.33131
2543	23038	WDTC1	7414	VCL	-	+	-0.33131
2544	1196	CLK2	1198	CLK3	+	-	-0.33140
2545	10808	HSPH1	7277	TUBA1	-	+	-0.33206
2546	5880	RAC2	60	ACTB	-	+	-0.33327
2547	5901	RAN	5905	RANGAP1	-	+	-0.33466
2548	3866	KRT15	57658	KIAA1536	+	-	-0.33559
2549	5865	RAB3B	808	CALM3	-	+	-0.33590
2550	5865	RAB3B	805	CALM2	-	+	-0.33590
2551	5865	RAB3B	801	CALM1	-	+	-0.33590
2552	311	ANXA11	5359	PLSCR1	+	-	-0.33854
2553	3927	LASP1	70	ACTC	-	+	-0.33930
2554	10458	BAIAP2	51517	NCKIPSD	+	-	-0.33998
2555	4670	HNRPM	83759	RBM30	+	-	-0.34011
2556	6418	SET	8851	CDK5R1	-	+	-0.34108
2557	3065	HDAC1	5245	PHB	-	+	-0.34232
2558	2813	GP2	307	ANXA4	-	+	-0.34322
2559	60491	NIF3L1	7186	TRAF2	+	-	-0.34601
2560	1455	CSNK1G2	4690	NCK1	-	+	-0.34637
2561	10256	CNKSR1	4089	SMAD4	-	+	-0.34741
2562	30008	EFEMP2	55367	LRDD	+	-	-0.34787
2563	805	CALM2	80726	KIAA1683	+	-	-0.34797
2564	27258	LSM3	6635	SNRPE	-	+	-0.34829
2565	351	APP	633	BGN	-	+	-0.34936
2566	2534	FYN	7070	THY1	-	+	-0.35014
2567	2778	GNAS	5997	RGS2	-	+	-0.35025
2568	5744	PTHLH	5745	PTHR1	-	+	-0.35054
2569	5747	PTK2	920	CD4	-	+	-0.35101
2570	4174	MCM5	6772	STAT1	-	+	-0.35122
2571	1915	EEF1A1	8882	ZNF259	-	+	-0.35146
2572	4192	MDK	9672	SDC3	-	+	-0.35170
2573	10399	GNB2L1	6772	STAT1	-	+	-0.35171
2574	3226	HOX10	996	CDC27	-	+	-0.35171
2575	1173	AP2M1	1856	DVL2	+	-	-0.35179
2576	2035	EPB41	8666	EIF354	-	+	-0.35272
2577	4005	LMO2	6772	STAT1	+	-	-0.35367
2578	50855	PARD6A	50855	PARD6A	-	+	-0.35389
2579	2130	EWSR1	4145	MATK	+	-	-0.35462
2580	54843	SYTL2	5499	PPP1CA	-	+	-0.35500
2581	7088	TLE1	7088	TLE1	-	+	-0.35597
2582	2130	EWSR1	8050	PDHX	+	-	-0.35730
2583	4783	NFIL3	90993	CREB3L1	-	+	-0.35976
2584	1173	AP2M1	151871	DPPA2	+	-	-0.35979
2585	6449	SGTA	6696	SPP1	+	-	-0.36121
2586	217	ALDH2	3329	HSPD1	-	+	-0.36157
2587	4093	SMAD9	80325	ABTB1	-	+	-0.36169
2588	1398	CRK	23616	SH3BP1	-	+	-0.36338
2589	2212	FCGR2A	6464	SHC1	-	+	-0.36529
2590	57658	KIAA1536	9265	PSCD3	+	-	-0.36572
2591	5094	PCBP2	5725	PTBP1	-	+	-0.36647
2592	5170	PDPK1	5590	PRKCZ	-	+	-0.36677
2593	3838	KPNA2	7157	TP53	-	+	-0.36704
2594	771	CA12	771	CA12	-	+	-0.36903
2595	3670	ISL1	4005	LMO2	-	+	-0.37071
2596	5747	PTK2	6772	STAT1	-	+	-0.37132
2597	51246	SCOTIN	7157	TP53	-	+	-0.37154
2598	3183	HNRPC	8907	AP1M1	+	-	-0.37244
2599	3065	HDAC1	5984	RFC4	-	+	-0.37286
2600	22948	CCT5	8841	HDAC3	-	+	-0.37505
2601	65989	EGFL9	83755	KRTAP4-12	+	-	-0.37516
2602	1495	CTNNA1	5663	PSEN1	-	+	-0.37550
2603	699	BUB1	9184	BUB3	-	+	-0.37608
2604	151871	DPPA2	1856	DVL2	+	-	-0.37631
2605	7265	TTC1	95	ACY1	+	-	-0.37642
2606	3150	HMGNI	3151	HMGNI	-	+	-0.37677
2607	5757	PTMA	5901	RAN	-	+	-0.37778
2608	6455	SH3GL1	6455	SH3GL1	+	-	-0.37801
2609	387	RHOA	396	ARHGDI1A	-	+	-0.37801
2610	1019	CDK4	1026	CDKN1A	-	+	-0.37885
2611	3688	ITGB1	81	ACTN4	-	+	-0.37887
2612	151871	DPPA2	1857	DVL3	+	-	-0.37922
2613	1026	CDKN1A	5425	POLD2	-	+	-0.38087
2614	3148	HMG2	328	APEX1	-	+	-0.38120
2615	5705	PSMC5	7138	TNNT1	+	-	-0.38125
2616	2597	GAPD	5584	PRKCI	-	+	-0.38275
2617	26508	HEY1	4093	SMAD9	-	+	-0.38368
2618	2670	GFAP	6285	S100B	-	+	-0.38448
2619	2697	GJA1	6714	SRC	-	+	-0.38512
2620	4852	NPY	4886	NPY1R	-	+	-0.38663
2621	6871	TADA2L	9146	HGS	+	-	-0.38699
2622	4591	TRIM37	79027	ZNF655	+	-	-0.38813
2623	1649	DDIT3	7008	TEF	-	+	-0.38965
2624	10391	CORO2B	7414	VCL	-	+	-0.39055

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
2625	408	ARRB1	4792	NFKBIA	-	+	-0.39081
2626	55722	Cep72	7704	ZBTB16	+	-	-0.39087
2627	3190	HNRPK	8440	NCK2	+	+	-0.39103
2628	11228	C12orf2	5710	PSMD4	+	-	-0.39161
2629	4687	NCF1	4688	NCF2	-	+	-0.39220
2630	835	CASP2	896	CCND3	-	+	-0.39309
2631	3091	HIF1A	5187	PER1	-	+	-0.39337
2632	2288	FKBP4	2288	FKBP4	-	+	-0.39373
2633	2782	GNB1	2790	GNG10	-	+	-0.39597
2634	2130	EWSR1	22884	WDR37	+	-	-0.39682
2635	2113	ETS1	2353	FOS	-	+	-0.39695
2636	4841	NONO	9513	FXR2	+	-	-0.39699
2637	4331	MNAT1	7157	TP53	-	+	-0.39704
2638	1264	CNN1	801	CALM1	-	+	-0.39718
2639	1263	PLK3	7157	TP53	-	+	-0.39775
2640	2068	ERCC2	2966	GTF2H2	-	+	-0.39786
2641	7494	XBP1	7494	XBP1	-	+	-0.39842
2642	1649	DDIT3	4783	NFIL3	-	+	-0.40223
2643	1054	CEBPG	7008	TEF	-	+	-0.40351
2644	10342	TFG	5359	PLSCR1	+	-	-0.40605
2645	5071	PARK2	7965	JTV1	-	+	-0.40781
2646	3987	LIMS1	9404	LPXN	+	-	-0.40800
2647	2034	EPAS1	4088	SMAD3	-	+	-0.40823
2648	1649	DDIT3	3131	HLF	-	+	-0.40868
2649	1054	CEBPG	467	ATF3	-	+	-0.40914
2650	4000	LMNA	5925	RB1	-	+	-0.41000
2651	10563	CXCL13	2833	CXCR3	-	+	-0.41028
2652	396	ARHGDI3	396	ARHGDI3	-	+	-0.41207
2653	10016	PDCD6	30011	SH3KBP1	-	+	-0.41247
2654	1026	CDKN1A	5684	PSMA3	-	+	-0.41260
2655	10097	ACTR2	70	ACTC	-	+	-0.41325
2656	6449	SGTA	7917	BAT3	-	+	-0.41336
2657	375	ARF1	8943	AP3D1	-	+	-0.41355
2658	2246	FGF1	6284	S100A13	-	+	-0.41437
2659	1997	ELF1	5925	RB1	-	+	-0.41447
2660	8773	SNAP23	9341	VAMP3	-	+	-0.41467
2661	5159	PDGFRB	573	BAG1	-	+	-0.41537
2662	3164	NR4A1	5371	PML	-	+	-0.41610
2663	4093	SMAD9	57104	PNPLA2	-	+	-0.41719
2664	5998	RGS3	7531	YWHAE	-	+	-0.41725
2665	3630	INS	94121	SYTL4	-	+	-0.41806
2666	5868	RAB5A	6810	STX4A	-	+	-0.41832
2667	1602	DACH1	55577	NAGK	+	-	-0.41906
2668	3839	KPNA3	7052	TGM2	-	+	-0.41932
2669	4093	SMAD9	5714	PSMD8	-	+	-0.41952
2670	4312	MMP1	7076	TIMP1	-	+	-0.41994
2671	1475	CSTA	1514	CTSL	-	+	-0.42010
2672	10146	G3BP	7414	VCL	-	+	-0.42111
2673	4093	SMAD9	6904	TBCD	-	+	-0.42153
2674	3399	ID3	6925	TCF4	-	+	-0.42292
2675	1017	CDK2	4172	MCM3	-	+	-0.42409
2676	4089	SMAD4	6158	RPL28	-	+	-0.42554
2677	4591	TRIM37	7186	TRAF2	-	+	-0.42706
2678	2130	EWSR1	9087	TMSB4Y	+	-	-0.42722
2679	3856	KRT8	836	CASP3	-	+	-0.42732
2680	79797	ZNF408	8940	TOP3B	-	+	-0.42786
2681	4093	SMAD9	5660	PSAP	-	+	-0.42829
2682	3916	LAMP1	8907	AP1M1	-	+	-0.42832
2683	26060	APPL	7186	TRAF2	+	-	-0.42957
2684	375	ARF1	375	ARF1	-	+	-0.42958
2685	3932	LCK	7070	THY1	-	+	-0.43000
2686	10488	CREB3	10488	CREB3	-	+	-0.43083
2687	11338	U2AF2	22889	KIAA0907	+	-	-0.43090
2688	3481	IGF2	3487	IGFBP4	-	+	-0.43157
2689	660	BMX	857	CAV1	-	+	-0.43306
2690	7409	VAV1	7791	ZYX	-	+	-0.43338
2691	23493	HEY2	3065	HDAC1	-	+	-0.43350
2692	10376	K-ALPHA-1	4792	NFKBIA	-	+	-0.43415
2693	2130	EWSR1	9709	HERPUD1	+	-	-0.43468
2694	27101	CACYBP	6285	S100B	-	+	-0.43501
2695	4830	NME1	9533	POLR1C	+	-	-0.43524
2696	11030	RBPMS	1856	DVL2	+	-	-0.43629
2697	642	BLMH	7329	UBE2I	-	+	-0.43658
2698	11145	HRASLS3	29979	UBQLN1	+	-	-0.43713
2699	3329	HSPD1	578	BAK1	-	+	-0.43884
2700	4093	SMAD9	5859	QARS	-	+	-0.43945
2701	3433	IFIT2	3437	IFIT3	+	-	-0.44016
2702	7329	UBE2I	9063	PIAS2	+	+	-0.44016
2703	10399	GNB2L1	5144	PDE4D	-	+	-0.44326
2704	4088	SMAD3	64115	PP2135	-	+	-0.44349
2705	60	ACTB	7170	TPM3	-	+	-0.44370
2706	6990	TCTE1L	6990	TCTE1L	+	-	-0.44394
2707	64218	SEMA4A	64218	SEMA4A	-	+	-0.44450
2708	286514	MGC33889	4591	TRIM37	+	-	-0.44471
2709	57819	LSM2	6635	SNRPE	-	+	-0.44528
2710	506	ATP5B	7414	VCL	-	+	-0.44713
2711	5631	PRPS1	5631	PRPS1	+	-	-0.44786
2712	4916	NTRK3	5770	PTPN1	-	+	-0.44959
2713	3055	HCK	5329	PLAUR	-	+	-0.44970

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
2714	5027	P2RX7	60	ACTB	-	+	-0.45239
2715	10174	SCAM-1	79869	FLJ12529	+	-	-0.45258
2716	381	ARF5	8394	PIP5K1A	-	+	-0.45282
2717	140735	Dlc2	2130	EWSR1	+	-	-0.45367
2718	6477	SHAH1	8650	NUMB	-	+	-0.45370
2719	322	APBB1	51466	EVL	-	+	-0.45396
2720	598	BCL2L1	84168	ANTXR1	-	+	-0.45396
2721	1315	COPB	375	ARF1	-	+	-0.45443
2722	2017	CTTN	6850	SYK	-	+	-0.45739
2723	578	BAK1	597	BCL2A1	-	+	-0.46123
2724	3603	IL16	3603	IL16	-	+	-0.46152
2725	2547	G22P1	7409	VAV1	-	+	-0.46483
2726	2130	EWSR1	4110	MAGEA11	+	-	-0.46604
2727	22926	ATF6	7494	XBP1	-	+	-0.46646
2728	1719	DHFR	1719	DHFR	-	+	-0.46733
2729	4287	ATXN3	836	CASP3	-	+	-0.46801
2730	1173	AP2M1	27156	RTDR1	+	-	-0.46829
2731	11345	GABARAPL2	8878	SQSTM1	+	-	-0.46877
2732	1876	E2F6	84108	PCGF6	-	+	-0.46890
2733	2932	GSK3B	5770	PTPN1	-	+	-0.47005
2734	6616	SNAP25	6812	STXBP1	-	+	-0.47022
2735	4316	MMP7	960	CD44	-	+	-0.47075
2736	6642	SNX1	9146	HGS	-	+	-0.47082
2737	5327	PLAT	5328	PLAU	-	+	-0.47127
2738	7189	TRAF6	7314	UBB	-	+	-0.47213
2739	4174	MCM5	988	CDC5L	-	+	-0.47267
2740	5300	PIN1	5770	PTPN1	-	+	-0.47291
2741	11060	WWP2	9260	PDLIM7	+	-	-0.47310
2742	10921	RNP51	1856	DVL2	+	-	-0.47355
2743	4792	NFKBIA	7278	TUBA2	-	+	-0.47463
2744	920	CD4	952	CD38	-	+	-0.47512
2745	56924	PAK6	998	CDC42	-	+	-0.47555
2746	7186	TRAF2	81576	MGC10471	+	-	-0.47569
2747	10602	CDC42EP3	998	CDC42	-	+	-0.47595
2748	10979	PLEKH1	54751	FBLP-1	-	+	-0.47652
2749	4093	SMAD9	9093	DNAJA3	-	+	-0.47974
2750	5770	PTPN1	7297	TYK2	-	+	-0.48037
2751	5682	PSMA1	7431	VIM	+	-	-0.48039
2752	3078	CFHL1	335	APOA1	-	+	-0.48346
2753	7326	UBE2G1	7337	UBE3A	-	+	-0.48437
2754	11108	PRDM4	4088	SMAD3	-	+	-0.48446
2755	100	ADA	134	ADORA1	-	+	-0.48586
2756	1475	CSTA	1508	CTSB	-	+	-0.48734
2757	1877	E4F1	4093	SMAD9	-	+	-0.48857
2758	23616	SH3BP1	6714	SRC	-	+	-0.48861
2759	1901	EDG1	857	CAV1	-	+	-0.49023
2760	2130	EWSR1	79004	CUEDC2	+	-	-0.49099
2761	2547	G22P1	5452	POU2F2	-	+	-0.49118
2762	4599	MX1	4599	MX1	-	+	-0.49121
2763	2237	FEN1	7414	VCL	-	+	-0.49196
2764	5478	PPIA	5478	PPIA	-	+	-0.49338
2765	2130	EWSR1	5886	RAD23A	+	-	-0.49372
2766	4090	SMAD5	586	BCAT1	-	+	-0.49451
2767	5216	PFN1	7414	VCL	-	+	-0.49511
2768	10054	UBA2	6612	SUMO3	-	+	-0.49620
2769	1513	CTSK	6317	SERPIN3	-	+	-0.49633
2770	396	ARHGDI1	5880	RAC2	-	+	-0.49671
2771	6772	STAT1	84285	MGC11102	+	-	-0.49706
2772	369	ARAF	51497	TH1L	-	+	-0.49714
2773	7163	TPD52	7163	TPD52	-	+	-0.49800
2774	7016	TESK1	7529	YWHAB	-	+	-0.49804
2775	1432	MAPK14	3875	KRT18	-	+	-0.49837
2776	1478	CSTF2	29979	UBQLN1	+	-	-0.49851
2777	1238	CCBP2	6357	CCL13	-	+	-0.50086
2778	100	ADA	135	ADORA2A	-	+	-0.50139
2779	2113	ETS1	51567	TTRAP	-	+	-0.50150
2780	10054	UBA2	7341	SUMO1	-	+	-0.50237
2781	1838	DTNB	7186	TRAF2	+	-	-0.50323
2782	5743	PTGS2	7157	TP53	-	+	-0.50333
2783	409	ARRB2	5144	PDE4D	-	+	-0.50552
2784	23085	RAB6IP2	51560	RAB6B	-	+	-0.50610
2785	3032	HADHB	351	APP	-	+	-0.50638
2786	2665	GDI2	4218	RAB8A	-	+	-0.50638
2787	5970	RELA	6774	STAT3	-	+	-0.50646
2788	4998	ORC1L	4999	ORC2L	-	+	-0.50780
2789	3728	JUP	8945	BTRC	-	+	-0.50783
2790	2357	FPR1	301	ANXA1	-	+	-0.50814
2791	7448	VTN	7448	VTN	-	+	-0.50885
2792	2885	GRB2	302	ANXA2	-	+	-0.50976
2793	3481	IGF2	3488	IGFBP5	-	+	-0.51002
2794	3609	ILF3	7205	TRIP6	+	-	-0.51059
2795	2353	FOS	2963	GTF2F2	-	+	-0.51681
2796	60491	NIF3L1	6271	S100A1	+	-	-0.51725
2797	22943	DKK1	4093	SMAD9	-	+	-0.51905
2798	5664	PSEN2	823	CAPN1	-	+	-0.51941
2799	2580	GAK	8907	APIM1	-	+	-0.51982
2800	4088	SMAD3	467	ATF3	-	+	-0.52016
2801	1983	EIF5	8894	EIF2S2	-	+	-0.52100
2802	2670	GFAP	26751	SH3YL1	+	-	-0.52147

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
2803	159989	FLJ25393	3437	IFIT3	+	-	-0.52286
2804	1649	DDIT3	1649	DDIT3	-	+	-0.52318
2805	26762	HAVCR1	64218	SEMA4A	-	+	-0.52344
2806	5663	PSEN1	598	BCL2L1	-	+	-0.52363
2807	4085	MAD2L1	81628	TSC22D4	+	-	-0.52367
2808	5987	RFP	7704	ZBTB16	+	-	-0.52424
2809	222546	RFXDC1	26039	SS18L1	+	-	-0.52543
2810	51147	ING4	5970	RELA	-	+	-0.52678
2811	1876	E2F6	648	PCGF4	-	+	-0.52717
2812	51074	MMRP19	7431	VIM	+	-	-0.52755
2813	1816	DRD5	23413	FREQ	-	+	-0.52861
2814	10881	ACTL7A	26136	TES	-	+	-0.52950
2815	2670	GFAP	4221	MEN1	-	+	-0.52958
2816	1857	DVL3	79856	SNX22	+	-	-0.53202
2817	5371	PML	7157	TP53	-	+	-0.53241
2818	1026	CDKN1A	56159	TEX11	+	-	-0.53357
2819	4681	NBL1	7917	BAT3	-	+	-0.53508
2820	309	ANXA6	6285	S100B	-	+	-0.53523
2821	79753	SNIP1	8663	EIF358	-	+	-0.53582
2822	1854	DUT	5465	PPARA	-	+	-0.53740
2823	1911	PHC1	7329	UBE2I	+	-	-0.53859
2824	2010	EMD	60	ACTB	-	+	-0.53957
2825	7277	TUBA1	7535	ZAP70	-	+	-0.53963
2826	10013	HDAC6	9373	PLAA	-	+	-0.53971
2827	5499	PPP1CA	5511	PPP1R8	-	+	-0.54025
2828	4134	MAP4	7280	TUBB2	-	+	-0.54026
2829	2770	GNAI1	961	CD47	-	+	-0.54040
2830	1021	CDK6	1026	CDKN1A	-	+	-0.54058
2831	51567	TTRAP	7329	UBE2I	-	+	-0.54082
2832	22888	UBOX5	4292	MLH1	+	-	-0.54105
2833	10007	GNPDA1	2130	EWSR1	+	-	-0.54111
2834	4302	MLLT6	51586	PCQAP	+	-	-0.54121
2835	151871	DPPA2	8405	SPOP	+	-	-0.54149
2836	467	ATF3	468	ATF4	-	+	-0.54226
2837	1385	CREB1	2963	GTF2F2	-	+	-0.54234
2838	26060	APPL	55198	DIP13B	+	-	-0.54256
2839	5216	PFN1	7408	VASP	-	+	-0.54337
2840	3688	ITGB1	821	CANX	-	+	-0.54349
2841	2670	GFAP	5174	PDZK1	+	-	-0.54392
2842	131034	CPNE4	26292	MYCBP	-	+	-0.54598
2843	3609	ILF3	57510	XPO5	-	+	-0.54656
2844	3002	GZMB	3002	GZMB	-	+	-0.54681
2845	3866	KRT15	3887	KRTHB1	+	-	-0.54787
2846	10363	HMG20A	10363	HMG20A	+	-	-0.54958
2847	1475	CSTA	1512	CTSH	-	+	-0.54970
2848	8797	TNFRSF10A	920	CD4	-	+	-0.55007
2849	5500	PPP1CB	5747	PTK2	-	+	-0.55103
2850	4520	MTF1	8907	AP1M1	+	-	-0.55134
2851	6635	SNRPE	6637	SNRPG	-	+	-0.55166
2852	4591	TRIM37	9618	TRAF4	-	+	-0.55239
2853	3190	HNRPK	79171	MGC10433	+	-	-0.55339
2854	396	ARHGDI1A	998	CDC42	-	+	-0.55442
2855	1977	EIF4E	5371	PML	-	+	-0.55458
2856	4215	MAP3K3	5607	MAP2K5	-	+	-0.55740
2857	10313	RTN3	8405	SPOP	+	-	-0.55920
2858	10152	ABI2	8773	SNAP23	+	-	-0.55956
2859	2130	EWSR1	22981	KIAA0980	+	-	-0.56200
2860	55068	FLJ10094	7704	ZBTB16	+	-	-0.56499
2861	3329	HSPD1	760	CA2	-	+	-0.56622
2862	8379	MAD1L1	8379	MAD1L1	+	+	-0.56624
2863	10403	KNTC2	57658	KIAA1536	+	-	-0.56723
2864	6637	SNRPG	7414	VCL	-	+	-0.56773
2865	351	APP	5663	PSEN1	-	+	-0.56790
2866	26119	LDLRAP1	7020	TFAP2A	-	+	-0.56809
2867	6500	SKP1A	9978	RBX1	-	+	-0.56889
2868	56288	PARD3	998	CDC42	-	+	-0.56927
2869	10049	DNAJB6	3875	KRT18	-	+	-0.56939
2870	2353	FOS	6602	SMARCD1	-	+	-0.56950
2871	28988	DBNL	63898	SH2D4A	+	-	-0.57076
2872	5899	RALB	85021	REPS1	-	+	-0.57153
2873	6809	STX3A	7414	VCL	-	+	-0.57153
2874	6774	STAT3	7253	TSHR	-	+	-0.57187
2875	27335	EIF3S12	896	CCND3	-	+	-0.57205
2876	1019	CDK4	896	CCND3	+	+	-0.57253
2877	5884	RAD17	5985	RFC5	-	+	-0.57353
2878	10445	MCRS1	1856	DVL2	+	-	-0.57379
2879	1054	CEBPG	4783	NFIL3	-	+	-0.57494
2880	2065	ERBB3	3084	NRG1	-	+	-0.57545
2881	467	ATF3	7157	TP53	-	+	-0.57906
2882	6635	SNRPE	7414	VCL	-	+	-0.58037
2883	2130	EWSR1	6297	SALL2	+	-	-0.58110
2884	1602	DACH1	7329	UBE2I	+	-	-0.58198
2885	7138	TNNT1	9513	FXR2	+	-	-0.58380
2886	5886	RAD23A	8878	SQSTM1	+	-	-0.58440
2887	3183	HNRPC	5155	PDGFB	-	+	-0.58475
2888	4800	NFYA	5451	POU2F1	-	+	-0.58600
2889	2130	EWSR1	4542	MYO1F	-	+	-0.58662
2890	6772	STAT1	7132	TNFRSF1A	+	-	-0.58719
2891	7253	TSHR	821	CANX	-	+	-0.58751

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
2892	998	CDC42	998	CDC42	-	+	-0.58787
2893	1017	CDK2	2237	FEN1	-	+	-0.59083
2894	183	AGT	23549	DNPEP	-	+	-0.59093
2895	2810	SFN	7706	TRIM25	-	+	-0.59226
2896	1382	CRABP2	1382	CRABP2	-	+	-0.59226
2897	6819	SULT1C1	6819	SULT1C1	-	+	-0.59445
2898	3146	HMGBl	7088	TLE1	-	+	-0.59510
2899	23647	ARFIP2	5879	RAC1	-	+	-0.59571
2900	3065	HDAC1	5467	PPARD	-	+	-0.59652
2901	2697	GJA1	5598	MAPK7	-	+	-0.59864
2902	3205	HOXA9	5089	PBX2	-	+	-0.59870
2903	7097	TLR2	929	CD14	-	+	-0.59912
2904	11345	GABARAPL2	6945	MLX	+	-	-0.60003
2905	23543	RBM9	84528	PEPP-2	+	-	-0.60388
2906	8676	STX11	8812	CCNK	+	-	-0.60394
2907	10053	AP1M2	2580	GAK	-	+	-0.60543
2908	6810	STX4A	8766	RAB11A	-	+	-0.60672
2909	4287	ATXN3	5887	RAD23B	-	+	-0.60774
2910	4313	MMP2	7040	TGFB1	-	+	-0.60928
2911	2202	EFEMP1	369	ARAF	-	+	-0.61081
2912	10567	RABAC1	5906	RAP1A	-	+	-0.61239
2913	369	ARAF	445	ASS	-	+	-0.61335
2914	1856	DVL2	84528	PEPP-2	+	-	-0.61478
2915	57142	RTN4	9513	FXR2	+	-	-0.61483
2916	2768	GNAI2	7253	TSHR	-	+	-0.61524
2917	23658	LSM5	6635	SNRPE	-	+	-0.61578
2918	1947	EFNB1	5998	RG53	-	+	-0.61586
2919	1488	CTBP2	7005	TEAD3	+	-	-0.61627
2920	4175	MCM6	84289	INGS	+	-	-0.61795
2921	10544	PROCR	5624	PROC	-	+	-0.61820
2922	3337	DNAJB1	5611	DNAJC3	-	+	-0.61848
2923	10488	CREB3	90993	CREB3L1	-	+	-0.61863
2924	63948	DMRTB1	7408	VASP	+	-	-0.61957
2925	408	ARRB1	5144	PDE4D	-	+	-0.62224
2926	1604	DAF	929	CD14	-	+	-0.62232
2927	57522	SRGAP1	998	CDC42	-	+	-0.62264
2928	10912	GADD45G	7257	TSNAX	+	-	-0.62305
2929	84321	THOC3	9984	THOC1	-	+	-0.62343
2930	435	ASL	5859	QAR5	+	-	-0.62397
2931	5029	P2RY2	961	CD47	-	+	-0.62399
2932	1870	E2F2	7528	YY1	-	+	-0.62452
2933	2068	ERCC2	7157	TP53	-	+	-0.62659
2934	3688	ITGB1	4830	NME1	-	+	-0.62660
2935	7157	TP53	900	CCNG1	-	+	-0.62717
2936	29979	UBQLN1	5034	P4HB	-	+	-0.63053
2937	207	AKT1	3164	NR4A1	-	+	-0.63084
2938	573	BAG1	5894	RAF1	-	+	-0.63152
2939	23650	TRIM29	84766	MGC4266	+	-	-0.63168
2940	2908	NR3C1	5763	PTMS	-	+	-0.63238
2941	207	AKT1	64400	FTS	-	+	-0.63376
2942	11103	HRB2	2130	EWSR1	+	-	-0.63450
2943	1854	DUT	5467	PPARD	-	+	-0.63463
2944	5635	PRPSAP1	5635	PRPSAP1	+	-	-0.63484
2945	4331	MNAT1	5925	RB1	-	+	-0.63776
2946	6850	SYK	7430	VIL2	-	+	-0.63797
2947	1984	EIF5A	22803	XRN2	-	+	-0.63880
2948	1854	DUT	5468	PPARG	-	+	-0.64013
2949	392	ARHGAP1	6714	SRC	-	+	-0.64062
2950	7297	TYK2	7409	VAV1	-	+	-0.64163
2951	1104	CHC1	5901	RAN	-	+	-0.64283
2952	116225	ZMYND19	7138	TNNT1	+	-	-0.64291
2953	7052	TGM2	836	CASP3	-	+	-0.64309
2954	23650	TRIM29	80705	TSGA10	+	-	-0.64360
2955	6256	RXRA	9322	TRIP10	-	+	-0.64457
2956	1936	EEF1D	983	CDC2	-	+	-0.64495
2957	5144	PDE4D	9659	PDE4DIP	-	+	-0.64546
2958	2100	ESR2	6776	STAT5A	-	+	-0.64571
2959	1854	DUT	1854	DUT	-	+	-0.64580
2960	1649	DDIT3	2353	FOS	-	+	-0.64725
2961	5371	PML	5914	RARA	-	+	-0.64830
2962	1520	CTSS	6317	SERPINB3	-	+	-0.64937
2963	2770	GNAI1	51655	RASD1	-	+	-0.64994
2964	6729	SRP54	6729	SRP54	-	+	-0.65030
2965	2176	FANCC	2189	FANCG	-	+	-0.65137
2966	7337	UBE3A	7337	UBE3A	-	+	-0.65374
2967	4771	NF2	6895	TARBP2	-	+	-0.65452
2968	1745	DLX1	4089	SMAD4	-	+	-0.65502
2969	3190	HNRPK	7329	UBE2I	+	-	-0.65636
2970	4833	NME4	9319	TRIP13	+	-	-0.65684
2971	1856	DVL2	22893	BAHD1	+	-	-0.65881
2972	387	RHOA	387	RHOA	-	+	-0.65894
2973	6783	SULT1E1	6820	SULT2B1	+	-	-0.65982
2974	4760	NEUROD1	5307	PITX1	-	+	-0.65988
2975	27111	SDCBP2	27111	SDCBP2	-	+	-0.66100
2976	4287	ATXN3	5886	RAD23A	-	+	-0.66115
2977	5371	PML	7067	THRA	-	+	-0.66160
2978	10392	CARD4	842	CASP9	-	+	-0.66181
2979	5217	PFN2	7408	VASP	-	+	-0.66231
2980	3875	KRT18	85415	RHPN2	-	+	-0.66255



No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
2981	5631	PRPS1	5635	PRPSAP1	+	+	-0.66306
2982	3065	HDAC1	55662	HIF1AN	-	+	-0.66370
2983	1856	DVL2	84904	C9orf100	+	-	-0.66373
2984	2516	NRSA1	5307	PITX1	-	+	-0.66582
2985	156	ADRBK1	5082	PDCL	-	+	-0.66806
2986	3329	HSPD1	3845	KRAS	-	+	-0.66918
2987	4093	SMAD9	55236	FLJ10808	-	+	-0.67127
2988	1432	MAPK14	2764	GMFB	-	+	-0.67211
2989	1159	CKMT1	7416	VDAC1	-	+	-0.67280
2990	6045	RNF2	7024	TFCP2	-	+	-0.67300
2991	10174	SCAM-1	3190	HNRPK	+	-	-0.67314
2992	26003	GORASP2	4830	NME1	+	-	-0.67524
2993	51586	PCQAP	5359	PLSCR1	+	-	-0.67535
2994	29110	TBK1	4690	NCK1	-	+	-0.67589
2995	2130	EWSR1	54475	FLJ10458	+	-	-0.67783
2996	26994	RNF11	51619	UBE2D4	-	+	-0.67839
2997	1520	CTSS	6318	SERPINB4	-	+	-0.67963
2998	27018	NGFRAP1	7531	YWHAE	-	+	-0.68018
2999	1857	DVL3	22893	BAHD1	+	-	-0.68085
3000	63898	SH2D4A	6455	SH3GL1	+	-	-0.68128
3001	23062	GGA2	9685	ENTH	-	+	-0.68150
3002	114609	TIRAP	919	CD3Z	-	+	-0.68396
3003	10567	RABAC1	5868	RAB5A	-	+	-0.68427
3004	10197	PSME3	583	BBS2	+	-	-0.68566
3005	8517	IKBK1	8517	IKBK1	-	+	-0.68680
3006	3190	HNRPK	6714	SRC	-	+	-0.68683
3007	7186	TRAF2	92610	TIFA	+	+	-0.68689
3008	57144	PAK7	9260	PDLIM7	+	-	-0.68752
3009	5530	PPP3CA	6647	SOD1	-	+	-0.68762
3010	10392	CARD4	835	CASP2	-	+	-0.69207
3011	5129	PCTK3	8812	CCNK	+	-	-0.69250
3012	2771	GNAI2	51655	RASD1	-	+	-0.69268
3013	10656	KHDRBS3	84708	LNX	+	-	-0.69269
3014	29959	NRBP	5881	RAC3	-	+	-0.69320
3015	10691	GMEB1	10691	GMEB1	-	+	-0.69416
3016	1019	CDK4	1032	CDKN2D	+	-	-0.69437
3017	6477	SLAH1	6500	SKP1A	-	+	-0.69456
3018	7329	UBE2I	9618	TRAF4	-	+	-0.69590
3019	5894	RAF1	5906	RAP1A	-	+	-0.69608
3020	4600	MX2	4600	MX2	-	+	-0.69622
3021	6548	SLC9A1	760	CA2	-	+	-0.69624
3022	3661	IRF3	5052	PRDX1	+	-	-0.69673
3023	5914	RARA	8431	NR0B2	-	+	-0.69805
3024	7037	TFRC	7414	VCL	-	+	-0.69852
3025	4690	NCK1	858	CAV2	-	+	-0.69857
3026	3603	IL16	54776	PPP1R12C	-	+	-0.69862
3027	7040	TGFB1	7531	YWHAE	-	+	-0.69990
3028	11200	CHEK2	1263	PLK3	-	+	-0.70100
3029	9404	LPXN	9883	POM121	+	-	-0.70227
3030	23265	EXOC7	27339	PRPF19	+	-	-0.70250
3031	1615	DARS	3320	HSPCA	-	+	-0.70261
3032	57142	RTN4	8775	NAPA	+	-	-0.70330
3033	387	RHOA	9600	PITPNM1	-	+	-0.70428
3034	4615	MYD88	8405	SPOP	+	-	-0.70535
3035	5530	PPP3CA	5534	PPP3R1	-	+	-0.70662
3036	3320	HSPCA	862	RUNX1T1	-	+	-0.70687
3037	1019	CDK4	5716	PSMD10	-	+	-0.70927
3038	50855	PARD6A	998	CDC42	-	+	-0.70992
3039	1791	DNTT	2547	G22P1	-	+	-0.71227
3040	22806	ZNFN1A3	598	BCL2L1	-	+	-0.71230
3041	302	ANXA2	6714	SRC	-	+	-0.71237
3042	1964	EIF1AX	5901	RAN	-	+	-0.71283
3043	387	RHOA	57522	SRGAP1	-	+	-0.71285
3044	6919	TCEA2	7186	TRAF2	+	-	-0.71391
3045	207	AKT1	4687	NCF1	-	+	-0.71460
3046	2114	ETS2	9372	ZFYVE9	-	+	-0.71509
3047	27229	76P	2801	GOLGA2	+	-	-0.71527
3048	84708	LNX	9319	TRIP13	+	-	-0.71575
3049	10513	APPBP2	10607	TBL3	+	-	-0.71612
3050	11102	RPP14	51367	POP5	-	+	-0.71839
3051	9600	PITPNM1	983	CDC2	-	+	-0.71840
3052	302	ANXA2	6281	S100A10	-	+	-0.71869
3053	10399	GNB2L1	5921	RASA1	-	+	-0.71877
3054	2280	FKBP1A	2288	FKBP4	-	+	-0.71951
3055	5347	PLK1	9600	PITPNM1	-	+	-0.72026
3056	1410	CRYAB	1431	CS	-	+	-0.72202
3057	3312	HSPA8	54205	CYCS	-	+	-0.72237
3058	3956	LGALS1	7414	VCL	-	+	-0.72252
3059	7186	TRAF2	84708	LNX	+	-	-0.72424
3060	2246	FGF1	3313	HSPA9B	-	+	-0.72569
3061	55209	FLJ10707	7186	TRAF2	+	-	-0.72620
3062	2275	FHL3	54507	TSRC1	+	-	-0.72633
3063	79753	SNIP1	9869	SETDB1	-	+	-0.72682
3064	4057	LTF	929	CD14	-	+	-0.72742
3065	10434	LYPLA1	302	ANXA2	-	+	-0.72768
3066	10617	STAMBP	9402	GRAP2	+	+	-0.72822
3067	54472	TOLLIP	7097	TLR2	-	+	-0.72851
3068	3091	HIF1A	328	APEX1	-	+	-0.72881
3069	1901	EDG1	2770	GNAI1	-	+	-0.72884

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
3070	5216	PFN1	752	FMNL1	-	+	-0.73111
3071	11004	KIF2C	11004	KIF2C	-	+	-0.73119
3072	140735	Dlc2	9454	HOMER3	+	-	-0.73231
3073	1027	CDKN1B	7345	UCHL1	-	+	-0.73335
3074	6652	SORD	6652	SORD	+	-	-0.73347
3075	2130	EWSR1	7288	TULP2	+	-	-0.73416
3076	23650	TRIM29	79571	GCC1	+	-	-0.73492
3077	6256	RXRA	8431	NR0B2	-	+	-0.73599
3078	2665	GDI2	8766	RAB11A	-	+	-0.73791
3079	51225	ABI3	862	RUNX1T1	+	-	-0.73881
3080	7280	TUBB2	83988	NCALD	-	+	-0.73914
3081	392	ARHGAP1	5921	RASA1	-	+	-0.73940
3082	8773	SNAP23	9513	FXR2	+	-	-0.73980
3083	2130	EWSR1	56952	PRTFDC1	+	-	-0.74021
3084	10313	RTN3	9513	FXR2	+	-	-0.74164
3085	10399	GNB2L1	6714	SRC	-	+	-0.74267
3086	4670	HNRPM	55885	LMO3	+	-	-0.74345
3087	4841	NONO	5300	PIN1	+	-	-0.74414
3088	54472	TOLLIP	8861	LDB1	+	-	-0.74604
3089	2130	EWSR1	4515	MTCP1	+	-	-0.74849
3090	2275	FHL3	7205	TRIP6	+	-	-0.74878
3091	1719	DHFR	3329	HSPD1	-	+	-0.74887
3092	8841	HDAC3	9063	PIAS2	-	+	-0.74952
3093	3728	JUP	9372	ZFYVE9	-	+	-0.75177
3094	382	ARF6	8943	AP3D1	-	+	-0.75248
3095	2664	GDI1	998	CDC42	-	+	-0.75306
3096	302	ANXA2	634	CEACAM1	-	+	-0.75325
3097	3146	HMGB1	5327	PLAT	-	+	-0.75334
3098	10320	ZNFN1A1	1173	AP2M1	+	-	-0.75457
3099	9138	ARHGEF1	960	CD44	-	+	-0.75639
3100	10567	RABAC1	5864	RAB3A	-	+	-0.75729
3101	1054	CEBPG	2353	FOS	-	+	-0.75781
3102	2670	GFAP	9124	PDLIM1	+	-	-0.75784
3103	26136	TES	55740	ENAH	-	+	-0.75803
3104	2271	FH	4191	MDH2	-	+	-0.76035
3105	1017	CDK2	5933	RBL1	-	+	-0.76082
3106	7763	ZA20D2	8517	IKBKG	-	+	-0.76085
3107	29979	UBQLN1	4681	NBL1	-	+	-0.76383
3108	3853	KRT6A	3872	KRT17	+	-	-0.76492
3109	84661	LOC84661	9129	PRPF3	+	-	-0.76526
3110	10926	ASK	11200	CHEK2	-	+	-0.76731
3111	55379	PRO1855	7414	VCL	-	+	-0.76754
3112	3543	IGLL1	3543	IGLL1	-	+	-0.76763
3113	11030	RBPMS	54472	TOLLIP	+	-	-0.76838
3114	11331	PHB2	5757	PTMA	-	+	-0.76848
3115	157	ADRBK2	7852	CXCR4	-	+	-0.76851
3116	5663	PSEN1	8766	RAB11A	-	+	-0.76976
3117	231	AKR1B1	4086	SMAD1	-	+	-0.77191
3118	3959	LGALS3BP	7414	VCL	-	+	-0.77227
3119	79098	SARG	9456	HOMER1	+	-	-0.77283
3120	302	ANXA2	5245	PHB	-	+	-0.77288
3121	2130	EWSR1	28973	MRPS18B	+	-	-0.77521
3122	7454	WAS	998	CDC42	-	+	-0.77536
3123	5970	RELA	814	CAMK4	-	+	-0.77591
3124	5708	PSMD2	7132	TNFRSF1A	-	+	-0.77638
3125	5159	PDGFRB	5894	RAF1	-	+	-0.77727
3126	56159	TEX11	9883	POM121	+	-	-0.77790
3127	2168	FABP1	5465	PPARA	-	+	-0.77804
3128	11143	MYST2	4171	MCM2	-	+	-0.77876
3129	2175	FANCA	2176	FANCC	-	+	-0.77927
3130	143425	SYT9	6616	SNAP25	-	+	-0.77939
3131	11030	RBPMS	9402	GRAP2	+	-	-0.77973
3132	5899	RALB	808	CALM3	-	+	-0.78011
3133	5899	RALB	805	CALM2	-	+	-0.78011
3134	5899	RALB	801	CALM1	-	+	-0.78011
3135	183	AGT	2130	EWSR1	+	-	-0.78044
3136	7408	VASP	7414	VCL	-	+	-0.78166
3137	5170	PDPK1	5584	PRKCI	-	+	-0.78226
3138	7164	TPD52L1	7164	TPD52L1	-	+	-0.78227
3139	3190	HNRPK	7409	VAV1	-	+	-0.78240
3140	3630	INS	4856	NOV	-	+	-0.78242
3141	23475	QPRT	51684	SUFU	+	-	-0.78324
3142	158471	C9orf65	2130	EWSR1	+	-	-0.78357
3143	4110	MAGEA11	81565	NDEL1	+	-	-0.78485
3144	6850	SYK	7846	TUBA3	-	+	-0.78502
3145	7186	TRAF2	7755	ZNF205	+	-	-0.78523
3146	25890	ABI3BP	51225	ABI3	-	+	-0.78540
3147	4782	NFIC	84076	DKFZP434L1717	+	-	-0.78700
3148	323	APBB2	351	APP	-	+	-0.78821
3149	4792	NFKBIA	6195	RPS6KA1	-	+	-0.78834
3150	7414	VCL	871	SERPINH1	-	+	-0.78858
3151	8666	EIF354	8667	EIF353	-	+	-0.78915
3152	23468	CBX5	6672	SP100	-	+	-0.78921
3153	55663	FLJ20626	7718	ZNF165	+	-	-0.79107
3154	5883	RAD9A	7266	DNAJC7	-	+	-0.79117
3155	4093	SMAD9	7266	DNAJC7	-	+	-0.79172
3156	54532	USP53	7186	TRAF2	+	-	-0.79204
3157	3836	KPNA1	862	RUNX1T1	-	+	-0.79251
3158	10567	RABAC1	9363	RAB33A	+	-	-0.79366

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
3159	5771	PTPN2	6774	STAT3	-	+	-0.79591
3160	2896	GRN	3198	HOXA1	+	-	-0.79605
3161	54469	ZA20D3	7186	TRAF2	+	-	-0.79889
3162	2100	ESR2	8431	NR0B2	-	+	-0.79999
3163	4176	MCM7	902	CCNH	-	+	-0.80090
3164	3301	DNAJA1	3312	HSPA8	-	+	-0.80175
3165	57144	PAK7	998	CDC42	-	+	-0.80199
3166	114822	RHPN1	4591	TRIM37	+	-	-0.80217
3167	1856	DVL2	8078	USP5	+	-	-0.80222
3168	23650	TRIM29	9513	FXR2	+	-	-0.80277
3169	2580	GAK	900	CCNG1	-	+	-0.80408
3170	23658	LSM5	56915	EXOSC5	-	+	-0.80498
3171	1173	AP2M1	9779	TBC1D5	+	-	-0.80610
3172	7132	TNFRSF1A	8517	IKBK	-	+	-0.80627
3173	1432	MAPK14	27429	PRSS25	-	+	-0.80746
3174	10363	HMG20A	1838	DTNB	+	-	-0.80757
3175	2203	FBP1	84708	LN	+	-	-0.80866
3176	5092	PCBD1	9513	FXR2	+	-	-0.81096
3177	5327	PLAT	7123	CLEC3B	-	+	-0.81102
3178	1432	MAPK14	5371	PML	-	+	-0.81280
3179	1997	ELF1	4801	NFYB	-	+	-0.81320
3180	5531	PPP4C	5970	RELA	-	+	-0.81378
3181	3035	HARS	6125	RPL5	-	+	-0.81435
3182	5071	PARK2	7414	VCL	-	+	-0.81456
3183	387	RHOA	5585	PKN1	-	+	-0.81470
3184	928	CD9	966	CD59	-	+	-0.81499
3185	5328	PLAU	5329	PLAUR	-	+	-0.81554
3186	55663	FLJ20626	7572	ZNF24	+	-	-0.81591
3187	5371	PML	5970	RELA	-	+	-0.81629
3188	1017	CDK2	5925	RB1	-	+	-0.81697
3189	1398	CRK	699	BUB1	+	-	-0.81747
3190	3098	HK1	7416	VDAC1	-	+	-0.82070
3191	7327	UBE2G2	7337	UBE3A	-	+	-0.82098
3192	2665	GDI2	5862	RAB2	-	+	-0.82119
3193	5080	PAX6	9670	IPO13	+	-	-0.82228
3194	26271	FBX05	51343	FZR1	-	+	-0.82263
3195	5092	PCBD1	84708	LN	+	-	-0.82270
3196	284403	C19orf14	5601	MAPK9	-	-	-0.82281
3197	8945	BTRC	9787	DLG7	-	+	-0.82298
3198	11030	RBPMS	9513	FXR2	+	-	-0.82408
3199	1912	PHC2	2275	FHL3	+	-	-0.82409
3200	5174	PDZK1	5830	PEX5	+	-	-0.82457
3201	23616	SH3BP1	5879	RAC1	-	+	-0.82630
3202	1912	PHC2	55885	LMO3	+	-	-0.82632
3203	7531	YWHAE	836	CASP3	-	+	-0.82667
3204	2168	FABP1	5468	PPARG	-	+	-0.82922
3205	10617	STAMB	8027	STAM	-	+	-0.83382
3206	10087	COL4A3BP	57142	RTN4	+	-	-0.83473
3207	4085	MAD2L1	991	CDC20	-	+	-0.83474
3208	207	AKT1	8115	TCL1A	-	+	-0.83534
3209	1021	CDK6	1032	CDKN2D	-	+	-0.83651
3210	26354	GNL3	7157	TP53	-	+	-0.83791
3211	10426	TUBGCP3	7283	TUBG1	-	+	-0.84190
3212	2553	GABPB2	55885	LMO3	+	-	-0.84206
3213	3216	HOXB6	5316	PKNOX1	-	+	-0.84279
3214	10007	GNPDA1	10007	GNPDA1	-	+	-0.84326
3215	3875	KRY18	836	CASP3	-	+	-0.84330
3216	10589	DRAP1	8503	PIK3R3	+	-	-0.84338
3217	1509	CTSD	5660	PSAP	-	+	-0.84368
3218	407	ARR3	8546	AP3B1	-	+	-0.84787
3219	7329	UBE2I	8767	RIPK2	+	-	-0.84829
3220	23327	NEDD4L	6446	SGK	-	+	-0.84875
3221	129807	NEU4	84528	PEPP-2	+	-	-0.84905
3222	302	ANXA2	7414	VCL	-	+	-0.85155
3223	1164	CKS2	81628	TSC22D4	+	-	-0.85294
3224	2833	CXCR3	6373	CXCL11	-	+	-0.85304
3225	8815	BANF1	8815	BANF1	-	+	-0.85367
3226	2100	ESR2	4085	MAD2L1	-	+	-0.85467
3227	51534	C6orf55	7704	ZBTB16	+	-	-0.85546
3228	1649	DDIT3	468	ATF4	-	+	-0.85556
3229	3032	HADHB	7414	VCL	-	+	-0.85587
3230	10254	STAM2	10617	STAMB	+	+	-0.85618
3231	5747	PTK2	7041	TGFB11	-	+	-0.85623
3232	10445	MCRS1	11157	LSM6	-	+	-0.85678
3233	4086	SMAD1	51304	ZDHHC3	-	+	-0.85744
3234	222546	RFXDC1	8812	CCNK	+	-	-0.85772
3235	682	BSG	9260	PDLM7	+	-	-0.85853
3236	7965	JTV1	7965	JTV1	-	+	-0.86024
3237	1019	CDK4	894	CCND2	-	+	-0.86066
3238	6499	SKIV2L	9948	WDR1	-	+	-0.86082
3239	8417	STX7	8775	NAPA	-	+	-0.86149
3240	10087	COL4A3BP	1455	CSNK1G2	+	-	-0.86223
3241	10399	GNB2L1	9402	GRAP2	-	+	-0.86261
3242	3320	HSPCA	801	CALM1	-	+	-0.86295
3243	5579	PRKCB1	5997	RGS2	-	+	-0.86340
3244	8891	EIF2B3	8892	EIF2B2	-	+	-0.86348
3245	55885	LMO3	7965	JTV1	+	-	-0.86350
3246	8740	TNFSF14	8771	TNFRSF6B	-	+	-0.86419
3247	3688	ITGB1	4179	MCP	-	+	-0.86422

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
3248	26086	GPSM1	9319	TRIP13	+	-	-0.86429
3249	2037	EPB41L2	2286	FKBP2	-	+	-0.86488
3250	3866	KRT15	5705	PSMC5	+	-	-0.86557
3251	54205	CYCS	7414	VCL	-	+	-0.86595
3252	7040	TGFB1	8668	EIF3S2	-	+	-0.86653
3253	23468	CBX5	78994	MGC3121	+	-	-0.86655
3254	7316	UBC	7414	VCL	-	+	-0.86741
3255	5880	RAC2	998	CDC42	-	+	-0.86745
3256	2071	ERCC3	4331	MNAT1	-	+	-0.86753
3257	55662	HIF1AN	8841	HDAC3	-	+	-0.86853
3258	5163	PDK1	5164	PDK2	-	+	-0.87135
3259	51043	ZBTB7B	9402	GRAP2	+	-	-0.87167
3260	23291	FBXW11	4792	NFKBIA	-	+	-0.87187
3261	7329	UBE2I	7341	SUMO1	-	+	-0.87272
3262	11277	TREX1	4436	MSH2	-	+	-0.87281
3263	4633	MYL2	54776	PPP1R12C	-	+	-0.87296
3264	11030	RBPMS	8697	CDC23	+	-	-0.87589
3265	5371	PML	6996	TDG	-	+	-0.87718
3266	3688	ITGB1	3964	LGALS8	-	+	-0.87726
3267	4282	MIF	79797	ZNF408	-	+	-0.88028
3268	308	ANXA5	3693	ITGB5	-	+	-0.88056
3269	29883	CNOT7	983	CDC2	-	+	-0.88081
3270	7846	TUBA3	83988	NCALD	-	+	-0.88107
3271	6256	RXRA	9318	COP52	-	+	-0.88156
3272	1017	CDK2	4999	ORC2L	-	+	-0.88170
3273	1020	CDK5	6812	STXBP1	-	+	-0.88175
3274	2534	FYN	51466	EVL	-	+	-0.88439
3275	4316	MMP7	4318	MMP9	-	+	-0.88621
3276	5914	RARA	9318	COP52	-	+	-0.88685
3277	6477	SIAH1	6477	SIAH1	-	+	-0.88748
3278	22981	KIAA0980	80851	KIAA1720	+	-	-0.88863
3279	56952	PRTFDC1	60491	NIF3L1	+	-	-0.88964
3280	191	AHCY	191	AHCY	-	+	-0.88993
3281	22920	KIFAP3	5910	RAP1GDS1	-	+	-0.89105
3282	10477	UBE2E3	9025	RNF8	-	+	-0.89116
3283	1635	DCTD	60491	NIF3L1	+	-	-0.89159
3284	4089	SMAD4	966	CD59	-	+	-0.89337
3285	79797	ZNF408	79797	ZNF408	-	+	-0.89359
3286	114823	LENG8	84528	PEPP-2	+	-	-0.89445
3287	23543	RBM9	63948	DMRTB1	+	-	-0.89531
3288	8615	VDP	9570	GOSR2	-	+	-0.89668
3289	10127	ZNF263	55663	FLJ20626	+	-	-0.89870
3290	2810	SFN	4140	MARK3	+	-	-0.89902
3291	728	C5R1	728	C5R1	-	+	-0.89926
3292	23283	CSTF2T	29979	UBQLN1	+	-	-0.90020
3293	29108	PYCARD	5573	PRKAR1A	+	-	-0.90071
3294	7917	BAT3	9372	ZFYVE9	-	+	-0.90168
3295	7163	TPD52	7164	TPD52L1	-	+	-0.90178
3296	11026	LILRA3	2130	EWSR1	+	-	-0.90181
3297	1583	CYP11A1	4088	SMAD3	-	+	-0.90343
3298	2280	FKBP1A	7041	TGFB111	-	+	-0.90381
3299	3300	DNAJB2	4089	SMAD4	-	+	-0.90438
3300	4318	MMP9	685	BTC	-	+	-0.90488
3301	27257	LSM1	8409	UXT	-	+	-0.90527
3302	54550	EFCBP2	9513	FXR2	+	-	-0.90587
3303	875	CBS	9513	FXR2	+	-	-0.90653
3304	1857	DVL3	8812	CCNK	+	-	-0.90721
3305	3552	ILIA	6284	S100A13	-	+	-0.90727
3306	6015	RING1	648	PCGF4	-	+	-0.90745
3307	2130	EWSR1	4637	MYL6	+	-	-0.90799
3308	10982	MAPRE2	10982	MAPRE2	+	-	-0.90805
3309	5327	PLAT	6678	SPARC	-	+	-0.90830
3310	22954	TRIM32	29979	UBQLN1	+	-	-0.90885
3311	2203	FBP1	9513	FXR2	+	-	-0.90935
3312	4312	MMP1	4312	MMP1	-	+	-0.90993
3313	2512	FTL	4093	SMAD9	-	+	-0.91002
3314	329	BIRC2	4110	MAGEA11	+	-	-0.91050
3315	27257	LSM1	4677	NARS	-	+	-0.91197
3316	54550	EFCBP2	54550	EFCBP2	+	-	-0.91377
3317	57326	PBXIP1	7257	TSNAX	+	-	-0.91440
3318	835	CASP2	8996	NOL3	-	+	-0.91444
3319	151871	DPPA2	151871	DPPA2	+	-	-0.91590
3320	3198	HOXA1	5316	PKNOX1	-	+	-0.91618
3321	1635	DCTD	84708	LNK	+	-	-0.91692
3322	1649	DDIT3	2355	FOSL2	-	+	-0.91791
3323	79754	ASB13	9319	TRIP13	+	-	-0.91877
3324	2275	FHL3	3927	LASP1	+	-	-0.91935
3325	143241	LOC143241	84661	LOC84661	+	-	-0.91945
3326	279	AMY2A	2813	GP2	-	+	-0.91989
3327	30008	EFEMP2	7917	BAT3	+	-	-0.92031
3328	2833	CXCR3	3627	CXCL10	-	+	-0.92090
3329	468	ATF4	55037	FLJ20758	+	-	-0.92169
3330	5092	PCBD1	9149	DYRK1B	-	+	-0.92228
3331	222546	RFXDC1	55885	LMO3	+	-	-0.92232
3332	11052	CPSF6	11060	WWP2	+	-	-0.92282
3333	6672	SP100	79753	SNIP1	-	+	-0.92292
3334	7088	TLE1	7089	TLE2	-	+	-0.92402
3335	1021	CDK6	1021	CDK6	-	+	-0.92420
3336	1453	CSNK1D	55738	ARFGAP1	-	+	-0.92422

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
3337	10295	BCKDK	9618	TRAF4	-	+	-0.92492
3338	5894	RAF1	6009	RHEB	-	+	-0.92503
3339	2171	FABP5	6278	S100A7	-	+	-0.92525
3340	1831	TSC22D3	51440	HPCAL4	+	-	-0.92715
3341	8773	SNAP23	9522	SCAMP1	-	+	-0.92771
3342	2319	FLOT2	857	CAV1	-	+	-0.92788
3343	2237	FEN1	3178	HNRPA1	-	+	-0.92815
3344	4149	MAX	4435	MSH2	-	+	-0.92827
3345	1508	CTSB	302	ANXA2	-	+	-0.93058
3346	7189	TRAF6	92610	TIFA	-	+	-0.93068
3347	3611	ILK	3689	ITGB2	-	+	-0.93164
3348	10550	ARL6IP5	6505	SLC1A1	-	+	-0.93230
3349	5071	PARK2	9319	TRIP13	+	-	-0.93262
3350	6257	RXRB	8431	NR0B2	-	+	-0.93305
3351	51194	IPO11	84812	PLCD4	+	-	-0.93315
3352	10179	RBM7	10656	KHDRBS3	+	-	-0.93492
3353	135	ADORA2A	87	ACTN1	-	+	-0.93495
3354	1195	CLK1	9360	PPIG	-	+	-0.93602
3355	3983	ABLIM1	7431	VIM	+	-	-0.93615
3356	10928	RALBP1	5899	RALB	+	+	-0.93740
3357	10016	PDCC6	8904	CPNE1	-	+	-0.93759
3358	4849	CNOT3	9337	CNOT8	-	+	-0.93835
3359	51225	ABI3	8667	EIF3S3	+	-	-0.93861
3360	10015	PDCC6IP	10016	PDCC6	-	+	-0.93949
3361	7186	TRAF2	91544	SOC	+	-	-0.93975
3362	10656	KHDRBS3	22893	BAHD1	+	-	-0.94021
3363	5621	PRNP	857	CAV1	-	+	-0.94163
3364	2624	GATA2	5371	PML	-	+	-0.94258
3365	7041	TGFB11	9618	TRAF4	-	+	-0.94303
3366	6015	RING1	60528	ELAC2	-	+	-0.94360
3367	3386	ICAM4	3688	ITGB1	-	+	-0.94427
3368	2768	GNA12	3320	HSPCA	-	+	-0.94515
3369	5663	PSEN1	5663	PSEN1	-	+	-0.94531
3370	5307	PITX1	84528	PEPP-2	+	-	-0.94580
3371	10445	MCRS1	138046	LOC138046	+	-	-0.94703
3372	10126	DNAL4	140735	Dlc2	+	-	-0.94852
3373	140691	RNF36	5371	PML	-	+	-0.94936
3374	27018	NGFRAP1	4916	NTRK3	-	+	-0.95082
3375	3856	KRT8	705	BYSL	-	+	-0.95302
3376	140735	Dlc2	331	BIRC4	+	-	-0.95313
3377	2130	EWSR1	4598	MVK	+	-	-0.95398
3378	10197	PSME3	9513	FXR2	+	-	-0.95477
3379	10401	PIAS3	4286	MITF	-	+	-0.95497
3380	3001	GZMA	6418	SET	-	+	-0.95729
3381	2176	FANCC	983	CDC2	-	+	-0.95778
3382	4999	ORC2L	988	CDC5L	-	+	-0.95896
3383	11338	U2AF2	1856	DVL2	+	-	-0.95907
3384	10590	SCGN	8773	SNAP23	+	-	-0.95916
3385	54997	TSC	54997	TSC	-	+	-0.96388
3386	4192	MDK	6772	STAT1	-	+	-0.96515
3387	9246	UBE2L6	9810	RNF40	-	+	-0.96594
3388	329	BIRC2	3728	JUP	+	-	-0.96616
3389	3927	LASP1	9319	TRIP13	+	-	-0.96622
3390	4782	NFIC	55888	ZNF167	+	-	-0.96733
3391	12	SERPINA3	351	APP	-	+	-0.96735
3392	7917	BAT3	84993	BMSC-UbP	-	+	-0.96805
3393	1856	DVL2	5494	PPM1A	-	+	-0.96818
3394	11135	CDC42EP1	998	CDC42	+	-	-0.96840
3395	5499	PPP1CA	857	CAV1	-	+	-0.96978
3396	25888	ZNF473	90933	TRIM41	+	-	-0.97127
3397	26003	GORASP2	5092	PCBD1	+	-	-0.97153
3398	3428	IFI16	7157	TP53	-	+	-0.97357
3399	6811	STX5A	8775	NAPA	+	-	-0.97414
3400	3001	GZMA	4691	NCL	-	+	-0.97438
3401	2059	EPS8	7965	JTV1	+	-	-0.97454
3402	25788	RAD54B	25788	RAD54B	+	-	-0.97547
3403	10403	KNTC2	8379	MAD1L1	-	+	-0.97599
3404	1363	CPE	2641	GCG	-	+	-0.97709
3405	1857	DVL3	79797	ZNF408	+	-	-0.97872
3406	6996	TDG	7067	THRA	-	+	-0.97928
3407	2266	FGG	3383	ICAM1	-	+	-0.97995
3408	468	ATF4	9568	GPR51	-	+	-0.98091
3409	5037	PBP	5894	RAF1	-	+	-0.98095
3410	26276	VP533B	63894	C14orf133	+	-	-0.98211
3411	22981	KIAA0980	79571	GCC1	+	-	-0.98215
3412	5465	PPARA	5970	RELA	-	+	-0.98250
3413	3216	HOXB6	3866	KRT15	+	-	-0.98273
3414	84661	LOC84661	84661	LOC84661	+	-	-0.98301
3415	4792	NFKBIA	8945	BTRC	-	+	-0.98349
3416	1856	DVL2	414301	DDI1	+	-	-0.98413
3417	26128	KIAA1279	9046	DOK2	+	-	-0.98495
3418	920	CD4	960	CD44	-	+	-0.98526
3419	10174	SCAM-1	54507	TSRC1	+	-	-0.98556
3420	257397	TAB3	8517	IKBKKG	-	+	-0.98802
3421	81628	TSC22D4	8851	CDK5R1	+	-	-0.98928
3422	3983	ABLIM1	7186	TRAF2	+	-	-0.99057
3423	2280	FKBP1A	5530	PPP3CA	-	+	-0.99157
3424	57559	AMSH-LP	9319	TRIP13	+	-	-0.99174
3425	1072	CFL1	7167	TPI1	-	+	-0.99190

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
3426	335	APOA1	3931	LCAT	-	+	-0.99389
3427	11143	MYST2	1857	DVL3	+	-	-0.99482
3428	114609	TIRAP	4615	MYD88	-	+	-0.99644
3429	3183	HNRPC	7329	UBE2I	+	-	-0.99650
3430	113878	DTX2	51619	UBE2D4	+	-	-0.99674
3431	26003	GORASP2	5631	PRPS1	+	-	-0.99730
3432	6227	RPS21	7414	VCL	-	+	-0.99833
3433	51466	EVL	6714	SRC	-	+	-0.99835
3434	1019	CDK4	5925	RB1	-	+	-0.99855
3435	322	APBB1	351	APP	-	+	-0.99860
3436	327	APEH	327	APEH	+	-	-0.99916
3437	1195	CLK1	6426	SFRS1	-	+	-1.00093
3438	2130	EWSR1	86	ACTL6A	+	-	-1.00286
3439	4687	NCF1	60	ACTB	-	+	-1.00314
3440	3623	INHBA	3624	INHBA	-	+	-1.00318
3441	10728	TEBP	26958	COPG2	-	+	-1.00718
3442	573	BAG1	6477	SIAH1	-	+	-1.00833
3443	2157	F8	5624	PROC	-	+	-1.00896
3444	2547	G22P1	3297	HSF1	-	+	-1.00940
3445	10488	CREB3	1649	DDIT3	-	+	-1.01010
3446	26353	HSPB8	9531	BAG3	+	-	-1.01191
3447	151871	DPPA2	9513	FXR2	+	-	-1.01257
3448	652	BMP4	9372	ZFYVE9	-	+	-1.01402
3449	4088	SMAD3	51523	CXXC5	-	+	-1.01438
3450	5747	PTK2	8835	SOCS2	+	-	-1.01584
3451	79734	KCTD17	8576	STK16	+	-	-1.01668
3452	4686	NCCBP1	9810	RNF40	+	-	-1.01718
3453	5500	PPP1CB	9372	ZFYVE9	-	+	-1.01743
3454	2130	EWSR1	57126	PRV1	+	-	-1.01761
3455	5195	PEX14	5830	PEX5	-	+	-1.01772
3456	30818	CSEN	836	CASP3	-	+	-1.01809
3457	3190	HNRPK	55285	FLJ11016	+	-	-1.01839
3458	2778	GNAS	58473	PLEKHB1	-	+	-1.01880
3459	22981	KIAA0980	5997	RG52	+	-	-1.01946
3460	5528	PPP2R5D	8500	PPFIA1	+	-	-1.02012
3461	1442	CSH1	4089	SMAD4	-	+	-1.02032
3462	6284	S100A13	7414	VCL	-	+	-1.02042
3463	5468	PPARG	8431	NROB2	-	+	-1.02162
3464	5092	PCBD1	60491	NIF3L1	+	-	-1.02189
3465	5036	PA2G4	5925	RB1	-	+	-1.02523
3466	1442	CSH1	4093	SMAD9	-	+	-1.02539
3467	1649	DDIT3	467	ATF3	-	+	-1.02625
3468	60491	NIF3L1	9319	TRIP13	+	-	-1.02630
3469	25804	LSM4	84528	PEPP-2	-	+	-1.02684
3470	1848	DUSP6	56159	TEX11	+	-	-1.02703
3471	8773	SNAP23	8775	NAPA	+	-	-1.02727
3472	81628	TSC22D4	9513	FXR2	+	-	-1.03002
3473	2157	F8	5627	PROS1	-	+	-1.03025
3474	2882	GPX7	6449	SGTA	+	-	-1.03090
3475	1017	CDK2	29883	CNOT7	-	+	-1.03118
3476	11030	RBPMS	84904	C9orf100	+	-	-1.03196
3477	4175	MCM6	4300	MLLT3	+	-	-1.03251
3478	1800	DPEP1	26128	KIAA1279	+	-	-1.03311
3479	29979	UBQLN1	30008	EFEMP2	+	-	-1.03394
3480	10449	ACAA2	6342	SCP2	-	+	-1.03523
3481	30008	EFEMP2	57088	PLSCR4	+	-	-1.03633
3482	335	APOA1	506	ATP5B	-	+	-1.03867
3483	382	ARF6	408	ARRB1	-	+	-1.03875
3484	2992	GYG	9883	POM121	+	-	-1.03875
3485	10062	NR1H3	8431	NROB2	-	+	-1.03947
3486	5601	MAPK9	5925	RB1	-	+	-1.03995
3487	1407	CRY1	8863	PER3	-	+	-1.04046
3488	54830	FLJ20130	8473	OGT	+	-	-1.04114
3489	3836	KPNA1	6772	STAT1	-	+	-1.04261
3490	10775	POP4	10775	POP4	-	+	-1.04325
3491	22933	SIRT2	22933	SIRT2	-	+	-1.04527
3492	3662	IRF4	7186	TRAF2	+	-	-1.04596
3493	4093	SMAD9	64374	SIL1	-	+	-1.04635
3494	60491	NIF3L1	9318	COPS2	-	+	-1.04662
3495	6810	STX4A	8775	NAPA	+	-	-1.04678
3496	3190	HNRPK	9402	GRAP2	+	-	-1.04759
3497	51422	PRKAG2	5571	PRKAG1	-	+	-1.04791
3498	598	BCL2L1	64112	MOAP1	-	+	-1.04839
3499	2670	GFAP	6714	SRC	-	+	-1.04930
3500	55885	LMO3	8861	LDB1	+	-	-1.05013
3501	1315	COPB	3135	HLA-G	-	+	-1.05070
3502	11030	RBPMS	5013	OTX1	+	-	-1.05293
3503	1032	CDKN2D	79735	TBC1D17	+	-	-1.05390
3504	2563	GABRD	29979	UBQLN1	+	-	-1.05543
3505	1915	EEF1A1	22803	XRN2	-	+	-1.05579
3506	1838	DTNB	8495	PPFIBP2	+	-	-1.05756
3507	163	AP2B1	79132	LGP2	+	-	-1.05951
3508	5747	PTK2	7430	VIL2	-	+	-1.06087
3509	11135	CD42EP1	2275	FHL3	+	-	-1.06117
3510	140461	ASB8	6923	TCEB2	-	+	-1.06203
3511	2130	EWSR1	4723	NDUFV1	+	-	-1.06253
3512	163	AP2B1	26119	LDLRAP1	+	-	-1.06373
3513	5152	PDE9A	84457	PHYHIP1	+	-	-1.06465
3514	3611	ILK	3688	ITGB1	-	+	-1.06673

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	Y2H	LCI	SVM score
3515	4867	NPHP1	7280	TUBB2	-	+	-1.06733
3516	55663	FLJ20626	7746	ZNF193	+	-	-1.06779
3517	5747	PTK2	7205	TRIP6	-	+	-1.06807
3518	10982	MAPRE2	4005	LMO2	+	-	-1.07027
3519	1639	DCTN1	840	CASP7	-	+	-1.07206
3520	4090	SMAD5	51523	CXXC5	-	+	-1.07298
3521	1432	MAPK14	677	ZFP36L1	+	-	-1.07366
3522	114790	STK11IP	6794	STK11	-	+	-1.07450
3523	54107	POLE3	54108	CHRAC1	-	+	-1.07554
3524	9093	DNAJA3	9278	ZNF297	+	-	-1.07674
3525	84680	PHACS	84680	PHACS	+	-	-1.07932
3526	117177	RAB3IP	5866	RAB3IL1	+	-	-1.07983
3527	64689	GORASP1	840	CASP7	-	+	-1.08035
3528	10253	SPRY2	54507	TSRC1	+	-	-1.08046
3529	10728	TEBP	2065	ERBB3	-	+	-1.08130
3530	3689	ITGB2	929	CD14	-	+	-1.08166
3531	1964	EIF1AX	1983	EIF5	-	+	-1.08252
3532	10919	BAT8	4005	LMO2	+	-	-1.08283
3533	5887	RAD23B	6996	TDG	-	+	-1.08387
3534	1838	DTNB	23636	NUP62	+	-	-1.08392
3535	1639	DCTN1	836	CASP3	-	+	-1.08427
3536	10376	K-ALPHA-1	7283	TUBG1	-	+	-1.08507
3537	2495	FTH1	9513	FXR2	+	-	-1.08934
3538	2203	FBP1	64430	C14orf135	+	-	-1.08939
3539	51076	CUTC	60491	NIF3L1	+	-	-1.08966
3540	387	RHOA	6242	RTKN	-	+	-1.09011
3541	135	ADORA2A	81	ACTN4	-	+	-1.09145
3542	4093	SMAD9	4245	MGAT1	-	+	-1.09155
3543	10567	RABAC1	9513	FXR2	+	-	-1.09156
3544	27018	NGFRAP1	7186	TRAF2	-	+	-1.09166
3545	6048	RNF5	7323	UBE2D3	-	+	-1.09226
3546	1152	CKB	140462	ASB9	+	-	-1.09397
3547	5192	PEX10	5828	PXMP3	-	+	-1.09482
3548	4793	NFKBIB	8945	BTRC	-	+	-1.09611
3549	23075	SWAP70	4869	NPM1	-	+	-1.09708
3550	2275	FHL3	57144	PAK7	+	-	-1.09730
3551	6672	SP100	7341	SUMO1	+	-	-1.09759
3552	51700	CYBSR2	9319	TRIP13	+	-	-1.09785
3553	408	ARRB1	9266	PSCD2	-	+	-1.09955

Table A.4. List of predicted interactions in the dataset reported by GNP ([http://genomnetwork.nig.ac.jp/index\\_e.html](http://genomnetwork.nig.ac.jp/index_e.html)).

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	SVM score
1	2033	EP300	2335	FNI	1.32954
2	9975	NR1D2	2060	EPS15	1.32438
3	6096	RORB	1387	CREBBP	1.28911
4	6256	RXRA	5465	PPARA	1.14064
5	6257	RXRB	9975	NR1D2	1.10149
6	6257	RXRB	5467	PPARD	0.96675
7	2033	EP300	2064	ERBB2	0.84379
8	2033	EP300	3853	KRT6A	0.78835
9	3875	KRT18	2033	EP300	0.60344
10	6772	STAT1	667	DST	0.57403
11	9572	NR1D1	24149	ZNF318	0.56175
12	7317	UBE1	2033	EP300	0.39375
13	6772	STAT1	50807	DDEF1	0.37521
14	7316	UBC	6749	SSRP1	0.35187
15	3172	HNF4A	8517	IKBKG	0.33458
16	9572	NR1D1	7094	TLN1	0.30970
17	2033	EP300	1832	DSP	0.28500
18	9572	NR1D1	29979	UBQLN1	0.23230
19	9572	NR1D1	29028	ATAD2	0.21146
20	3975	LHX1	8861	LDB1	0.18315
21	2033	EP300	3872	KRT17	0.17573
22	3895	KTNI	2033	EP300	0.14795
23	9572	NR1D1	4683	NBN	0.14236
24	9975	NR1D2	9612	NCOR2	0.13010
25	3975	LHX1	9079	LDB2	0.12482
26	6772	STAT1	51429	SNX9	0.09340
27	3164	NR4A1	8027	STAM	0.09247
28	9572	NR1D1	7752	ZNF200	0.08184
29	9572	NR1D1	4853	NOTCH2	0.08086
30	6096	RORB	10902	BRD8	0.07596
31	322	APBB1	9975	NR1D2	0.03768
32	6772	STAT1	23224	SYNE2	0.03254
33	9572	NR1D1	3091	HIF1A	0.02743
34	9572	NR1D1	3837	KPNB1	-0.05950
35	9572	NR1D1	4854	NOTCH3	-0.09283
36	6096	RORB	23054	NCOA6	-0.11821
37	26168	SEN3	4853	NOTCH2	-0.12238
38	23613	PRKCBP1	9975	NR1D2	-0.12254
39	64093	SMOC1	9572	NR1D1	-0.15563
40	9975	NR1D2	4741	NEF3	-0.18786
41	6772	STAT1	1982	EIF4G2	-0.19437

No.	Gene ID1	Gene Name1	Gene ID2	Gene Name2	SVM score
42	6772	STAT1	3856	KRT8	-0.21232
43	9572	NR1D1	64094	SMOC2	-0.23165
44	1523	CUTL1	9975	NR1D2	-0.23234
45	9572	NR1D1	7579	ZNF31	-0.24203
46	6096	RORB	8648	NCOA1	-0.24774
47	6772	STAT1	302	ANXA2	-0.26687
48	2033	EP300	6712	SPTBN2	-0.26866
49	4853	NOTCH2	4296	MAP3K11	-0.29614
50	10133	OPTN	9975	NR1D2	-0.30391
51	9572	NR1D1	9611	NCOR1	-0.32050
52	6772	STAT1	8723	SNX4	-0.35523
53	3190	HNRPK	6772	STAT1	-0.37644
54	9572	NR1D1	84271	POLDIP3	-0.39065
55	9572	NR1D1	9493	KIF23	-0.39621
56	23054	NCOA6	5465	PPARA	-0.39766
57	6772	STAT1	10155	TRIM28	-0.39872
58	6096	RORB	2791	GNG11	-0.43886
59	9572	NR1D1	4673	NAP1L1	-0.44603
60	9572	NR1D1	9824	ARHGAP11A	-0.44896
61	9572	NR1D1	10291	SF3A1	-0.45445
62	9572	NR1D1	7586	ZNF36	-0.45842
63	9572	NR1D1	81608	FIP1L1	-0.48103
64	9572	NR1D1	7112	TMPO	-0.53485
65	9572	NR1D1	5116	PCNT2	-0.58906
66	10891	PPARGC1A	5465	PPARA	-0.59605
67	9572	NR1D1	84124	ZNF394	-0.60000
68	9975	NR1D2	1893	ECM1	-0.60222
69	9975	NR1D2	84629	KIAA1856	-0.62970
70	9572	NR1D1	6709	SPTAN1	-0.64141
71	27102	EIF2AK1	9572	NR1D1	-0.69938
72	6096	RORB	3131	HLF	-0.70906
73	55553	SOX6	54472	TOLLIP	-0.71169
74	9572	NR1D1	55655	NALP2	-0.71676
75	6772	STAT1	3855	KRT7	-0.72928
76	1147	CHUK	6772	STAT1	-0.75318
77	3092	HIP1	9975	NR1D2	-0.76560
78	6772	STAT1	374	AREG	-0.77492
79	6772	STAT1	6711	SPTBN1	-0.77683
80	6599	SMARCC1	6772	STAT1	-0.80917
81	55553	SOX6	339162	LOC339162	-0.83500
82	7267	TTC3	9975	NR1D2	-0.84285
83	9611	NCOR1	9975	NR1D2	-0.84348
84	6772	STAT1	11190	CEP2	-0.85305
85	56853	BRUNOL4	55553	SOX6	-0.85476
86	6772	STAT1	57580	PREX1	-0.86418
87	9572	NR1D1	3875	KRT18	-0.88805
88	9975	NR1D2	28964	GIT1	-0.90018
89	6096	RORB	5705	PSMC5	-0.92336
90	9572	NR1D1	25930	PTPN23	-0.94317
91	9975	NR1D2	55749	CCAR1	-0.95349
92	6096	RORB	58508	MLL3	-0.95729
93	6772	STAT1	10015	PDCC6IP	-0.98073
94	9975	NR1D2	23384	KIAA0376	-0.98252
95	6096	RORB	4862	NPAS2	-1.00899
96	9572	NR1D1	8816	WDR22	-1.01306
97	55553	SOX6	11244	ZHX1	-1.01814
98	6772	STAT1	9675	KIAA0406	-1.01832
99	27086	FOXP1	93986	FOXP2	-1.02537
100	9572	NR1D1	51780	JMJD1B	-1.02854
101	93986	FOXP2	55729	ATF7IP	-1.03667
102	9572	NR1D1	10963	STIP1	-1.04360
103	5467	PPARD	7259	TSPYL1	-1.05216
104	6660	SOX5	23255	KIAA0802	-1.05471
105	7259	TSPYL1	5465	PPARA	-1.05902
106	6772	STAT1	23061	KIAA0676	-1.05941
107	1306	COL15A1	9975	NR1D2	-1.06634



# Bibliography

- [1] Alfarano C, Andrade CE, Anthony K, Bahroos N, Bajec M, Bantoft K, Betel D, Bobeckho B, Boutilier K, Burgess E, Buzadzija K, Cavero R, D'Abreo C, Donaldson I, Dorairajoo D, Dumontier MJ, Dumontier MR, Earles V, Farrall R, Feldman H, Garderman E, Gong Y, Gonzaga R, Grytsan V, Gryz E, Gu V, Haldorsen E, Halupa A, Haw R, Hrvojic A, Hurrell L, Isserlin R, Jack F, Juma F, Khan A, Kon T, Konopinsky S, Le V, Lee E, Ling S, Magidin M, Moniakis J, Montojo J, Moore S, Muskat B, Ng I, Paraiso JP, Parker B, Pintilie G, Pirone R, Salama JJ, Sgro S, Shan T, Shu Y, Siew J, Skinner D, Snyder K, Stasiuk R, Strumpf D, Tuekam B, Tao S, Wang Z, White M, Willis R, Wolting C, Wong S, Wrong A, Xin C, Yao R, Yates B, Zhang S, Zheng K, Pawson T, Ouellette BF, Hogue CW: **The Biomolecular Interaction Network Database and related tools 2005 update.** *Nucleic Acids Res.* 2005, 33: D418-D424.
- [2] Altschul SF, Gish W, Miller W, Myers EW, Lipman DJ: **Basic local alignment search tool.** *J. Mol. Biol.* 1990, 215: 403-410.
- [3] Bader GD, Hogue CWV: **Analyzing yeast protein-protein interaction data obtained from different sources.** *Nat. Biotechnol.* 2002, 20: 991-997.
- [4] Bateman A, Birney E, Cerruti L, Durbin R, Etwiller L, Eddy SR, Griffiths-Jones S, Howe KL, Marshall M, Sonnhammer ELL: **The Pfam Protein Families Database.** *Nucl. Acids. Res.* 2002, 30(1): 276-280.
- [5] Ben-Hur A, Noble WS: **Kernel methods for predicting protein-protein interactions.** *Bioinformatics* 2005, 21(Suppl. 1): i38-i46.

- [6] Ben-Hur A, Noble WS: **Choosing negative examples for the prediction of protein-protein interactions.** *BMC Bioinformatics* 2006, 7(Suppl. 1), S2.
- [7] Bergman A, Religa D, Karlstrom H, Laudon H, Winblad B, Lannfelt L, Lundkvist J, Naslund J: **APP intracellular domain formation and unaltered signaling in the presence of familial Alzheimer's disease mutations.** *Exp. Cell Res.* 2003, 287(1): 1-9.
- [8] Berman HM, Westbrook J, Feng Z, Gilliland G, Bhat TN, Weissing H, Shindyalov IN, Boume PE: **The Protein Data Bank.** *Nucl. Acids. Res.* 2000, 28: 235-242.
- [9] Blaschke C, Hirschman L, Valencia A: **Information extraction in molecular biology.** *Brief. Bioinform.* 2002, 3(2): 1-12.
- [10] Bock JR, Gough DA: **Predicting protein-protein interactions from primary structure.** *Bioinformatics* 2001, 17(5): 455-460.
- [11] Brown KR, Jurisica I: **Online predicted human interaction database.** *Bioinformatics* 2005, 21(9): 2076-2082.
- [12] Burges CJC: **A tutorial on support vector machine for pattern recognition.** *Data Min. Knowl. Disc.* 1998, 2: 121-167.
- [13] Cedano J, Aloy P, Perez-Pons JA, Querol E: **Relation between amino acid composition and cellular location of proteins.** *J. Mol. Biol.* 1997, 266: 594-600.
- [14] Chen XW, Liu M: **Prediction of protein-protein interactions using random decision forest framework.** *Bioinformatics* 2005, 21(24): 4394-4400.
- [15] Chou KC, Elrod DW: **Protein subcellular location prediction.** *Protein Engineering* 1999, 12(2): 107-118.
- [16] Collobert R, Bengio S: **SVM-Torch: Support Vector Machines for large-scale regression problems.** *J. Machine Learning Res.* 2001, 1: 143-160.

- [17] da Costa CA, Masliah E, Checler F:  **$\beta$ -synuclein displays an antiapoptotic p53-dependent phenotype and protects neurons from 6-hydroxydopamine-induced caspase 3 activation: cross-talk with  $\alpha$ -synuclein and implication for Parkinson's disease.** *J. Biol. Chem.* 2003, 278(39): 37330-37335.
- [18] Dandekar T, Snel B, Huynen M, Bork P: **Conservation of gene order: a fingerprint of proteins that physically interact.** *Trends Biochem. Sci.* 1998, 23: 324-328.
- [19] Date SV, Marcotte EM: **Discovery of uncharacterised cellular systems by genome-wide analysis of functional linkages.** *Nat. Biotechnol.* 2003, 21(9): 1055-1062.
- [20] Deane CM, Salwinski L, Xenarios I, Eisenberg D: **Protein interactions: Two methods for assessment of the reliability of high throughput observations.** *Molecular & Cellular Proteomics* 2001, 1.5: 349-356.
- [21] Deng M, Mehta S, Sun F, Chen T: **Inferring domain-domain interactions from protein-protein interactions.** In *Proceedings of the Sixth Annual International Conference on Research in Computational Molecular Biology*: 18-21 April 2002; Washington, DC, 2002: 117-125.
- [22] Dohkan S, Koike A, Takagi T: **Prediction of protein-protein interactions using Support Vector Machines.** In *Proceedings of Fourth IEEE Symposium on BioInformatics and BioEngineering*, 19-21 May 2004; IEEE Computer Society, Los Alamitos, CA, 2004: 576-584.
- [23] Enright AJ, Iliopoulos I, Kyripides NC, Ouzounis CA: **Protein interaction maps for complete genomes based on gene fusion events.** *Nature* 1999, 402: 86-90.
- [24] Giot L, Bader JS, Brouwer C, Chaudhuri A, Kuang B, Li Y, Hao YL, Ooi CE, Godwin B, Vitols E, Vijayadamodar G, Pochart P, Machineni H, Welsh M, Kong Y, Zerhusen B, Malcolm R, Varrone Z, Collis A, Minto M, Burgess S, McDaniel L, Stimpson E, Springgs F, Williams J, Neurath K, Ioime N, Agee M, Voss E, Furtak K, Renzulli R, Aanensen N,

- Carrolla S, Bickelhaupt E, Lazovatsky Y, DaSilva A, Zhong J, Stanyon CA, Finley Jr. RL, White KP, Braverman M, Jarvie T, Gold S, Leach M, Knight J, Shimkets RA, McKenna MP, Chant J, Rothberg JM: **A protein interaction map of *Drosophila melanogaster***. *Science* 2003, 302: 1727-1736.
- [25] Gomez SM, Noble WS, Rzhetsky A: **Learning to predict protein-protein interactions from protein sequences**. *Bioinformatics* 2003, 19(15): 1875-1881.
- [26] Han D, Kim HS, Seo J, Jang W: **A domain combination based probabilistic framework for protein-protein interaction prediction**. *Genome Informatics* 2003, 14: 250-259.
- [27] Han JD, Bertin N, Hao T, Goldberg DS, Berriz GF, Zhang LV, Dupuy D, Walhout AJM, Cusick ME, Roth FP, Vidal M: **Evidence for dynamically organized modularity in the yeast protein-protein interaction network**. *Nature* 2004, 430: 88-93.
- [28] Han JJ, Dupuy D, Bertin N, Cusick ME, Vidal M: **Effect of sampling on topology predictions of protein-protein interaction network**. *Nat. Biotechnol.* 2005, 23(7): 839-844.
- [29] Hishigaki H, Nakai k, Ono T, Tanigami, A, Takagi T: **Assessment of prediction accuracy of protein function from protein-protein interaction data**. *Yeast* 2001, 18: 523-531.
- [30] HMMER: profile HMMs for protein sequence analysis  
[<http://hmmer.wustl.edu/>]
- [31] Huh WK, Falvo J, Gerke LC, Carroll AS, Howson RW, Weissman JS, O'Shea EK: **Global analysis of protein localization in budding yeast**. *Nature* 2003, 425: 686-691.
- [32] Huynen M, Snel B, III WL, Bork P: **Predicting protein function by genomic context: quantitative evaluation and qualitative inferences**. *Gen. Res.* 2000, 10: 1204-1210.

- [33] Ikeuchi T, Dolios G, Kim SH, Wang R, Sisodia SS: **Familial Alzheimer disease-linked presenilin 1 variants enhance production of both A $\beta$ 1-40 and A $\beta$ 1-42 peptides that are only partially sensitive to a potent aspartyl protease transition state inhibitor of “ $\gamma$ -secretase”.** *J. Biol. Chem.* 2003, 278(9): 7010-7018.
- [34] Ito T, Tashiro K, Muta S, Ozawa R, Chiba T, Nishizawa M, Yamamoto K, Kuhara S, Sakaki Y: **Toward a protein-protein interaction map of the budding yeast: A comprehensive system to examine two-hybrid interactions in all possible combinations between the yeast proteins.** *Proc. Natl. Acad. Sci. USA* 2000, 97(3): 1143-1147.
- [35] Ito T, Chiba T, Ozawa R, Yoshida M, Hattori M, Sakaki Y: **A comprehensive two-hybrid analysis to explore the yeast protein interactome.** *Proc. Natl. Acad. Sci. USA* 2001, 98(8): 4569-4574.
- [36] Jeong H, Mason SP, Barabasi AL, Oltvai ZN: **Lethality and centrality in protein networks.** *Nature* 2001, 411: 41-42.
- [37] Joachims T: **Transductive inference for text classification using support vector machines.** In *Proceedings of 16th International Conference of Machine Learning* 1999: 200-209.
- [38] Kanehisa M, Goto S, Hattori M, Aoki-Kinoshita KF, Itoh M, Kawashima S, Katayama T, Araki M, Hirakawa M: **From genomics to chemical genomics: new developments in KEGG.** *Nucleic Acids Res.* 2006, 34: D354-D357.
- [39] Kawashima S, Ogata H, Kanehisa M: **AAindex: amino acid index database.** *Nucleic Acids Res.* 1999, 27: 368-369.
- [40] Kim WK, Park J, Suh JK: **Large scale statistical prediction of protein-protein interaction by potentially interacting domain (PID) pair.** *Genome Informatics* 2002, 13: 42-50.
- [41] Koike A, Nakai K, Takagi T: **The origin and evolution of eukaryotic protein kinases.** *Genome letters* 2002, 2: 83-104.

- [42] Koike A, Takagi T: **PRIME: automatically extracted PRotein Interactions and Molecular Information database.** *In Silico Biology* 2004, 5: 0003.
- [43] Letovsky S, Kasif S: **Predicting protein function from protein/protein interaction data: a probabilistic approach.** *Bioinformatics* 2003, 19 Suppl 1: i197-i204.
- [44] Li D, Li J, Ouyang S, Wang J, Wu S, Wan P, Zhu Y, Xu X, He F: **Protein interaction networks of *Saccharomyces cerevisiae*, *Caenorhabditis elegans* and *Drosophila melanogaster*: Large-scale organization and robustness.** *Proteomics* 2006, 6: 456-461
- [45] Li S, Armstrong CM, Bertin N, Ge H, Milstein S, Boxem M, Vidalain PO, Han JD, Chesneau A, Hao T, Goldberg DS, Li N, Martinez M, Rual JF, Lamesch P, Xu L, Tewari M, Wong SL, Zhang LV, Berriz GF, Jacotot L, Vaglio P, Reboul J, Hirozane-Kishikawa T, Li Q, Gabel HW, Elewa A, Baumgartner B, Rose DJ, Yu H, Bosak S, Sequerra R, Fraser A, Mango SE, Saxton WM, Strome S, Van Den Heuvel S, Piano F, Vandenhoute J, Sardet C, Gerstein M, Doucette-Stamm L, Gunsalus KC, Harper JW, Cusick ME, Roth FP, Hill DE, Vidal M: **A map of the interactome network of the metazoan *C. elegans*.** *Science* 2004, 303(5657): 540-543.
- [46] Lo SL, Cai CZ, Chen YZ, Chung MCM: **Effect of training datasets on support vector machine prediction of protein-protein interactions.** *Proteomics* 2005, 5: 876-884.
- [47] Marcotte EM, Pellegrini M, Ng HL, Rice DW, Yeates TO, Eisenberg D: **Detecting protein function and protein-protein interactions from genome sequences.** *Science* 1999, 285: 751-753.
- [48] Martin S, Roe D, Faulon JL: **Predicting protein-protein interactions using signature products.** *Bioinformatics* 2005, 21(2): 218-226.
- [49] McCraith S, Holtzman T, Moss B, Fields S: **Genome-wide analysis of vaccinia virus protein-protein interactions.** *Proc. Natl. Acad. Sci. USA* 2000, 97(9): 4879-4884.

- [50] Mewes HW, Frishman D, Guldener U, Mannhaupt G, Mayer K, Mokrejs M, Morgenstern B, Munsterkotter M, Rudd S, Weil B: **MIPS: a database for genomes and protein sequences.** *Nucl. Acids. Res.* 2002, 30(1): 31-34.
- [51] Middendorf M, Ziv E, Wiggins CH: **Inferring network mechanisms: The *Drosophila melanogaster* protein interaction network.** *Proc. Natl. Acad. Sci. USA* 2005, 102(9): 3192-3197.
- [52] Moehlmann T, Winkler E, Xia X, Edbauer D, Murrell J, Capell A, Kaether C, Zheng H, Ghetti B, Haass C, Steiner H: **Presenilin-1 mutations of leucine 166 equally affect the generation of the Notch and APP intracellular domains independent of their effect on A $\beta$  42 production.** *Proc. Natl. Acad. Sci. USA* 2002, 99(12): 8025-8030.
- [53] Mutvei A, Dihlmann S, Herth W, Hurt EC: **NSP1 depletion in yeast affects nuclear pore formation and nuclear accumulation.** *Eur. J. Cell Biol.* 1992, 59(2): 280-295.
- [54] Müller KR, Mika S, Ratsch G, Tsuda K, Schölkopf B: **An Introduction to Kernel-Based Learning Algorithms.** *IEEE Transactions on neural networks* 2001, 12(2): 181-202.
- [55] Ng SK, Zhang Z, Tan SH: **Integrative approach for computationally inferring protein domain interactions.** *Bioinformatics* 2003, 19(8): 923-929.
- [56] Nishikawa K, Ooi T: **Correlation of the amino acid composition of a protein to its structural and biological characters.** *J. Biochem. Tokyo* 1983, 94(3): 981-995.
- [57] Pandey A, Mann M: **Proteomics to study genes and genomes.** *Nature* 2000, 405: 837-846.
- [58] Pellegrini M, Marcotte EM, Thompson MJ, Eisenberg D, Yeates TO: **Assigning protein functions by comparative genome analysis: protein phylogenetic profiles.** *Proc. Natl. Acad. Sci. USA* 1999, 96: 4285-4288.

- [59] Peri S, Navarro JD, Amanchy R, Kristiansen TZ, Jonnalagadda CK, Surendranath V, Niranjana V, Muthusamy B, Gandhi TK, Gronborg M, Ibarrola N, Deshpande N, Shanker K, Shivashankar HN, Rashmi BP, Ramya MA, Zhao Z, Chandrika KN, Padma N, Harsha HC, Yatish AJ, Kavitha MP, Menezes M, Choudhury DR, Suresh S, Ghosh N, Saravana R, Chandran S, Krishna S, Joy M, Anand SK, Madavan V, Joseph A, Wong GW, Schiemann WP, Constantinescu SN, Huang L, Khosravi-Far R, Steen H, Tewari M, Ghaffari S, Blobel GC, Dang CV, Garcia JG, Pevsner J, Jensen ON, Roepstorff P, Deshpande KS, Chinnaiyan AM, Hamosh A, Chakravarti A, Pandey A: **Development of human protein reference database as an initial platform for approaching systems biology in humans.** *Genome Research* 2003, 13: 2363-2371.
- [60] Phizicky EM, Fields S: **Protein-protein interactions: Method for detection and analysis.** *Microbiological Reviews* 1995: 94-123.
- [61] Pruitt KD, Tatusova T, Maglott DR: **NCBI Reference Sequence (RefSeq): a curated non-redundant sequence database of genomes, transcripts and proteins.** *Nucl. Acids. Res.* 2005, 33: D501-504.
- [62] Rual JF, Venkatesan K, Hao T, Hirozane-Kishikawa T, Dricot A, Li N, Berriz GF, Gibbons FD, Dreze M, Ayivi-Guedehoussou N, Klitgord N, Simon C, Boxem M, Milstein S, Rosenberg J, Goldberg DS, Zhang LV, Wong SL, Franklin G, Li S, Albala JS, Lim J, Fraughton C, Llamosas E, Cevik S, Bex C, Lamesch P, Sikorski RS, Vandenhaute J, Zoghbi HY, Smolyar A, Bosak S, Sequerra R, Doucette-Stamm L, Cusick ME, Hill DE, Roth FP, Vidal M: **Towards a proteome-scale map of the human protein-protein interaction network.** *Nature* 2005, 437(7062): 1173-1178.
- [63] Schwikowski B, Uetz P, Fields S: **A network of protein-protein interactions in yeast.** *Nat. Biotechnol.* 2000, 18: 1257-1261.
- [64] Sharan R, Suthram S, Kelley RM, Kuhn T, McCuine S, Uetz P, Sittler T, Karp RM, Ideker T: **Conserved patterns of protein interaction in multiple species.** *Proc. Natl. Acad. Sci. USA* 2005, 102(6): 1974-1979.



- [65] Singleton AB: **Altered  $\alpha$ -synuclein homeostasis causing Parkinson's disease: the potential roles of dardarin.** *Trends Neurosci.* 2005, 28(8): 416-421.
- [66] Sprinzak E, Margalit H: **Correlated sequence-signatures as markers of protein-protein interaction.** *J. Mol. Biol.* 2001, 311: 681-692.
- [67] Snyder H, Mensah K, Hsu C, Hashimoto M, Surgucheva IG, Festoff B, Surguchov A, Masliah E, Matouschek A, Wolozin B:  **$\beta$ -synuclein reduces proteasomal inhibition by  $\alpha$ -synuclein but not  $\gamma$ -synuclein.** *J. Biol. Chem.* 2005, 280(9): 7562-7569.
- [68] Tarassishin L, Yin YI, Bassit B, Li YM: **Processing of Notch and amyloid precursor protein by  $\gamma$ -secretase is spatially distinct.** *Proc. Natl. Acad. Sci. USA* 2004, 101(49):17050-17055.
- [69] Tucker CL, Gera JF, Uetz P: **Towards an understanding of complex protein networks.** *Trends Cell Biol.* 2001, 11: 102-106.
- [70] Uetz P, Giot L, Cagney G, Mansfield TA, Judson RS, Knight JR, Lockshon D, Narayan V, Srinivasan M, Pochart P, Qureshi-Emili A, Li Y, Godwin B, Conover D, Kalbfleisch T, Vijayadamodar G, Yang M, Johnston M, Fields S, Rothberg JM: **A comprehensive analysis of protein-protein interactions in *Saccharomyces cerevisiae*.** *Nature* 2000, 403: 623-627.
- [71] Valencia A, Pazos F: **Computational methods for the prediction of protein interactions.** *Curr. Opin. Struct. Biol.* 2002, 12: 368-373.
- [72] Vapnik V: **Statistical learning theory.** John Wiley, New York, 1998.
- [73] Vazquez A, Flammini A, Maritan A, Vespignani A: **Global protein function prediction from protein-protein interaction networks.** *Nat. biotechnol.* 2003, 6: 697-700.
- [74] von Mering C, Krause R, Snel B, Cornell M, Oliver SG, Fields S, Bork P: **Comparative assessment of large-scale data sets of protein-protein interactions.** *Nature* 2002, 417: 399-403.

- [75] Walhout AMJ, Boulton SJ, Vidal M: **Yeast two-hybrid systems and protein interaction mapping projects for yeast and worm.** *Yeast* 2000, 17: 88-94.
- [76] Walhout AJM, Sordella R, Lu X, Hartley JL, Temple GF, Brasch MA, Thierry-Mieg N, Vidal M: **Protein interaction mapping in *C. elegans* using proteins involved in vulval development.** *Science* 2000, 287: 116-122.
- [77] Walker ES, Martinez M, Brunkan AL, Goate A: **Presenilin 2 familial Alzheimer's disease mutations result in partial loss of function and dramatic changes in A $\beta$  42/40 ratios .** *J. Neurochem.* 2005, 92(2): 294-301.
- [78] Wheeler DL, Barrett T, Benson DA, Bryant SH, Canese K, Church DM, DiCuccio M, Edgar R, Federhen S, Helmberg W, Kenton DL, Khovayko O, Lipman DJ, Madden TL, Maglott DR, Ostell J, Pontius JU, Pruitt KD, Schuler GD, Schriml LM, Sequeira E, Sherry ST, Sirotkin K, Starchenko G, Suzek TO, Tatusov R, Tatusova TA, Wagner L, Yaschenko E: **Database resources of the National Center for Biotechnology Information.** *Nucl. Acids. Res.* 2005, 33: D39-45.
- [79] Wuchty S, Oltvai ZN, Barabasi AL: **Evolutionary conservation of motif constituents in the yeast protein interaction network.** *Nat. genet.* 2003, 35(2): 176-179.
- [80] Xenarios I, Salwinski L, Duan XJ, Higney P, Kim SM, Eisenberg D: **DIP, the Database of Interacting Proteins: a research tool for studying cellular networks of protein interactions.** *Nucl. Acids. Res.* 2002, 30(1): 303-305.
- [81] Yu H, Luscombe NM, Lu HX, Zhu X, Xia Y, Han JD, Bertin N, Chung S, Vidal M, Gerstein M: **Annotation transfer between genomes: protein-protein interologs and protein-DNA regulogs.** *Genome Res.* 2004, 14(6): 1107-1118.

- [82] Yu H, Han J, Chang KCC: **PEBL: Web page classification without negative examples.** *IEEE Trans. Knowledge and Data Eng.* 2004, 16: 70-81.
- [83] Zhang Z, Ng SK: **InterWeaver: interaction reports for discovering potential protein interaction partners with online evidence.** *Nucleic Acids Res.* 2004, 32: W73-W75.

# List of Publications

## Chapter 3

Dohkan S, Koike A, Takagi T: **Prediction of protein-protein interactions using Support Vector Machines.** In: *Proceedings of Fourth IEEE Symposium on BioInformatics and BioEngineering*, 19-21 May 2004; IEEE Computer Society, Los Alamitos, CA, 2004: 576-584.

## Chapter 4

Dohkan S, Koike A, Takagi T: **Improving the performance of an SVM-based method for predicting protein-protein interactions.** *In Silico Biol.* 2006, 6: 0048.