

Type of file: table

Label: Table S1

Filename: 2013-Kwon-Science-Hippo\_table\_S1.xls

## (A) entire PPIN

Bait_ID	Bait_Symbol	Prey_ID	Prey_symbol	SAINT score	Spectral Counts	SpecSum
FBgn0034970	yki	FBgn0020238	14-3-3epsilon	1	103 103 117	323
FBgn0034970	yki	FBgn0004907	14-3-3zeta	1	34 34 41	109
FBgn0034970	yki	FBgn0011739	wts	1	31 27 29	87
FBgn0034970	yki	FBgn0035872	CG7185	1	30 26 27	83
FBgn0034970	yki	FBgn0030808	RhoGAP15B	1	22 19 22	63
FBgn0034970	yki	FBgn0037530	CG2943	1	22 22 17	61
FBgn0034970	yki	FBgn0035987	CG3689	1	18 20 17	55
FBgn0034970	yki	FBgn0036451	CG9425	1	21 20 14	55
FBgn0034970	yki	FBgn0031093	CG9581	1	16 17 14	47
FBgn0034970	yki	FBgn0036448	mop	1	16 16 14	46
FBgn0034970	yki	FBgn0028484	Ack	1	14 13 13	40
FBgn0034970	yki	FBgn0036373	CG10741	1	13 11 14	38
FBgn0034970	yki	FBgn0036318	CG11009	1	14 9 14	37
FBgn0034970	yki	FBgn0041092	tai	1	12 10 10	32
FBgn0034970	yki	FBgn0004583	ex	1	11 8 12	31
FBgn0034970	yki	FBgn0002921	Atpalpha	1	9 13 6	28
FBgn0034970	yki	FBgn0003345	sd	1	10 9 8	27
FBgn0034970	yki	FBgn0030243	CG2186	1	8 7 8	23
FBgn0034970	yki	FBgn0028490	CG31705	1	6 8 7	21
FBgn0034970	yki	FBgn0003277	RplI215	0.98	5 6 4	15
FBgn0034970	yki	FBgn0001218	Hsc70-3	0.96	79 76 79	234
FBgn0034970	yki	FBgn0025885	Inos	0.96	6 8 8	22
FBgn0034970	yki	FBgn0035715	CG10103	0.96	4 6 4	14
FBgn0034970	yki	FBgn0011571	caz	0.91	5 3 3	11
FBgn0034970	yki	FBgn0034417	CG15117	0.9	7 3 7	17
FBgn0034970	yki	FBgn0063485	Lasp	0.9	5 3 4	12
FBgn0034970	yki	FBgn0034646	Rae1	0.89	4 3 3	10
FBgn0034970	yki	FBgn0033339	sec31	0.86	5 3 3	11
FBgn0034970	yki	FBgn0037856	CG4674	0.81	2 5 6	13
FBgn0034970	yki	FBgn0037728	CG16817	0.78	2 3 3	8
FBgn0034970	yki	FBgn0033984	Lap1	0.76	5 6 2	13
FBgn0034970	yki	FBgn0035444	CG12012	0.73	3 2 3	8
FBgn0034970	yki	FBgn0037182	CG6838	0.71	2 2 3	7
FBgn0034970	yki	FBgn0034398	CG15098	0.6	2 2 2	6
FBgn0034970	yki	FBgn0033663	ERp60	0.59	2 2 2	6
FBgn0034970	yki	FBgn0031799	Pez	0.57	3 2 3	8
FBgn0034970	yki	FBgn0083961	CG34125	0.54	3 1 2	6
FBgn0034970	yki	FBgn0033836	CG18278	0.52	4 1 2	7
FBgn0034970	yki	FBgn0039507	mrt	0.5	5 0 3	8
FBgn0034970	yki	FBgn0052441	CG32441	0.5	2 2 1	5
FBgn0034970	yki	FBgn0034270	CG6401	0.5	2 0 3	5
FBgn0034970	yki	FBgn0031698	CG14023	0.46	4 1 7	12
FBgn0034970	yki	FBgn0040777	CG14767	0.4	3 1 1	5
FBgn0034970	yki	FBgn0000064	Ald	0.38	3 2 3	8
FBgn0034970	yki	FBgn0037607	CG8036	0.38	1 1 4	6
FBgn0034970	yki	FBgn0261458	capt	0.35	2 1 2	5
FBgn0034970	yki	FBgn0027548	nito	0.35	2 0 3	5
FBgn0034970	yki	FBgn0260442	rhea	0.33	2 2 3	7
FBgn0034970	yki	FBgn0053129	CG33129	0.31	1 0 2	3
FBgn0034970	yki	FBgn0033264	Nup50	0.29	2 1 1	4

## (A) entire PPIN

FBgn0034970	yki	FBgn0052594	be	0.28	2 1 2	5
FBgn0034970	yki	FBgn0033204	CG2065	0.27	1 2 0	3
FBgn0034970	yki	FBgn0040308	Jafrac2	0.21	1 0 2	3
FBgn0034970	yki	FBgn0035424	CG11505	0.19	1 1 4	6
FBgn0034970	yki	FBgn0015905	ast	0.13	2 0 1	3
FBgn0034970	yki	FBgn0010355	Taf1	0.12	4 0 0	4
FBgn0034970	yki	FBgn0035499	Chd64	0.01	14 11 12	37
FBgn0034970	yki	FBgn0028734	Fmr1	0.01	1 3 5	9
FBgn0034970	yki	FBgn0025286	RpL31	0.01	2 1 3	6
FBgn0034970	yki	FBgn0030136	RpS28b	0.01	1 1 2	4
FBgn0034970	yki	FBgn0005634	zip	0	84 93 111	288
FBgn0034970	yki	FBgn0001219	Hsc70-4	0	40 39 42	121
FBgn0034970	yki	FBgn0003887	betaTub56D	0	27 26 26	79
FBgn0034970	yki	FBgn0000042	Act5C	0	28 24 23	75
FBgn0034970	yki	FBgn0000556	Ef1alpha48D	0	24 22 24	70
FBgn0034970	yki	FBgn0003884	alphaTub84B	0	18 16 15	49
FBgn0034970	yki	FBgn0262603	sec8	0	18 3 21	42
FBgn0034970	yki	FBgn0001220	Hsc70-5	0	10 8 10	28
FBgn0034970	yki	FBgn0003178	PyK	0	9 7 11	27
FBgn0034970	yki	FBgn0003360	sesB	0	8 8 9	25
FBgn0034970	yki	FBgn0002645	Map205	0	8 7 6	21
FBgn0034970	yki	FBgn0001216	Hsc70-1	0	7 6 8	21
FBgn0034970	yki	FBgn0263231	bel	0	5 7 8	20
FBgn0034970	yki	FBgn0037891	CG5214	0	7 6 6	19
FBgn0034970	yki	FBgn0002525	Lam	0	4 6 6	16
FBgn0034970	yki	FBgn0027066	Eb1	0	4 4 5	13
FBgn0034970	yki	FBgn0262734	Rbp2	0	4 4 5	13
FBgn0034970	yki	FBgn0261619	pAbp	0	5 3 4	12
FBgn0034970	yki	FBgn0003676	T-cp1	0	3 4 3	10
FBgn0034970	yki	FBgn0011211	blw	0	2 4 4	10
FBgn0034970	yki	FBgn0261710	nocte	0	5 1 4	10
FBgn0034970	yki	FBgn0000044	Act57B	0	4 1 4	9
FBgn0034970	yki	FBgn0035608	blanks	0	2 2 4	8
FBgn0034970	yki	FBgn0020279	lig	0	2 2 4	8
FBgn0034970	yki	FBgn0000559	Ef2b	0	4 0 4	8
FBgn0034970	yki	FBgn0003888	betaTub60D	0	3 2 3	8
FBgn0034970	yki	FBgn0004687	Mlc-c	0	2 2 4	8
FBgn0034970	yki	FBgn0003261	Rm62	0	0 2 6	8
FBgn0034970	yki	FBgn0034577	cpa	0	2 1 5	8
FBgn0034970	yki	FBgn0051363	Jupiter	0	3 2 2	7
FBgn0034970	yki	FBgn0011284	RpS4	0	1 3 3	7
FBgn0034970	yki	FBgn0010198	RpS15Aa	0	2 1 4	7
FBgn0034970	yki	FBgn0039757	RpS7	0	3 2 2	7
FBgn0034970	yki	FBgn0028969	deltaCOP	0	2 3 2	7
FBgn0034970	yki	FBgn0029176	Ef1gamma	0	2 1 3	6
FBgn0034970	yki	FBgn0028737	Ef1beta	0	0 3 3	6
FBgn0034970	yki	FBgn0000181	bic	0	1 1 4	6
FBgn0034970	yki	FBgn0003890	betaTub97EF	0	2 2 2	6
FBgn0034970	yki	FBgn0001217	Hsc70-2	0	2 2 2	6
FBgn0034970	yki	FBgn0027932	Akap200	0	2 2 2	6
FBgn0034970	yki	FBgn0013726	pnut	0	3 0 3	6

## (A) entire PPIN

FBgn0034970 <b>yki</b>	FBgn0261593 <b>RpS10b</b>	0 1 2 2	5
FBgn0034970 <b>yki</b>	FBgn0015778 <b>rin</b>	0 2 0 3	5
FBgn0034970 <b>yki</b>	FBgn0034743 <b>RpS16</b>	0 2 1 2	5
FBgn0034970 <b>yki</b>	FBgn0001215 <b>Hrb98DE</b>	0 1 2 2	5
FBgn0034970 <b>yki</b>	FBgn0001233 <b>Hsp83</b>	0 1 1 2	4
FBgn0034970 <b>yki</b>	FBgn0046214 <b>vig2</b>	0 1 1 2	4
FBgn0034970 <b>yki</b>	FBgn0034968 <b>RpL12</b>	0 1 1 2	4
FBgn0034970 <b>yki</b>	FBgn0029093 <b>cathD</b>	0 1 2 1	4
FBgn0034970 <b>yki</b>	FBgn0086904 <b>Nacalpa</b>	0 0 2 2	4
FBgn0034970 <b>yki</b>	FBgn0038145 <b>Droj2</b>	0 2 2 0	4
FBgn0034970 <b>yki</b>	FBgn0014029 <b>Sep2</b>	0 1 1 2	4
FBgn0034970 <b>yki</b>	FBgn0011710 <b>Sep1</b>	0 2 0 2	4
FBgn0034970 <b>yki</b>	FBgn0015756 <b>RpL9</b>	0 2 1 1	4
FBgn0034970 <b>yki</b>	FBgn0003941 <b>RpL40</b>	0 2 1 1	4
FBgn0034970 <b>yki</b>	FBgn0039300 <b>RpS27</b>	0 1 1 1	3
FBgn0034970 <b>yki</b>	FBgn0039776 <b>PH4alphaEFB</b>	0 1 0 2	3
FBgn0034970 <b>yki</b>	FBgn0041188 <b>Atx2</b>	0 1 1 1	3
FBgn0034970 <b>yki</b>	FBgn0034066 <b>CG8397</b>	0 1 1 1	3
FBgn0034970 <b>yki</b>	FBgn0037707 <b>RnpS1</b>	0 1 1 1	3
FBgn0034970 <b>yki</b>	FBgn0004237 <b>Hrb87F</b>	0 1 1 1	3
FBgn0034970 <b>yki</b>	FBgn0013325 <b>RpL11</b>	0 1 1 1	3
FBgn0034970 <b>yki</b>	FBgn0004867 <b>RpS2</b>	0 1 0 2	3
FBgn0034970 <b>yki</b>	FBgn0001942 <b>eIF-4a</b>	0 1 1 1	3
FBgn0034970 <b>yki</b>	FBgn0030699 <b>CG8578</b>	0 2 0 1	3
FBgn0034970 <b>yki</b>	FBgn0013305 <b>Nmda1</b>	0 1 1 1	3
FBgn0034970 <b>yki</b>	FBgn0032949 <b>Lamp1</b>	0 1 1 1	3
FBgn0034970 <b>yki</b>	FBgn0020255 <b>ran</b>	0 1 1 1	3
FBgn0034970 <b>yki</b>	FBgn0002622 <b>RpS3</b>	0 1 1 1	3
FBgn0034970 <b>yki</b>	FBgn0015589 <b>Apc</b>	0 1 0 1	2
FBgn0034970 <b>yki</b>	FBgn0030268 <b>Klp10A</b>	0 1 0 1	2
FBgn0034970 <b>yki</b>	FBgn0053303 <b>CG33303</b>	0 0 0 2	2
FBgn0034970 <b>yki</b>	FBgn0263198 <b>Acn</b>	0 1 1 0	2
FBgn0034970 <b>yki</b>	FBgn0086902 <b>kis</b>	0 1 1 0	2
FBgn0034970 <b>yki</b>	FBgn0042134 <b>Capr</b>	0 1 1 0	2
FBgn0034970 <b>yki</b>	FBgn0034068 <b>casp</b>	0 1 0 1	2
FBgn0034970 <b>yki</b>	FBgn0026761 <b>Trap1</b>	0 0 1 1	2
FBgn0034970 <b>yki</b>	FBgn0032055 <b>CG13091</b>	0 1 0 1	2
FBgn0034970 <b>yki</b>	FBgn0035471 <b>Sc2</b>	0 1 1 0	2
FBgn0034970 <b>yki</b>	FBgn0022343 <b>CG3760</b>	0 1 0 1	2
FBgn0034970 <b>yki</b>	FBgn0046706 <b>Haspin</b>	0 1 0 1	2
FBgn0034970 <b>yki</b>	FBgn0010909 <b>msn</b>	0 1 1 0	2
FBgn0034970 <b>yki</b>	FBgn0040309 <b>Jafrac1</b>	0 1 1 0	2
FBgn0034970 <b>yki</b>	FBgn0011570 <b>cpb</b>	0 0 0 2	2
FBgn0034970 <b>yki</b>	FBgn0053193 <b>sav</b>	0 1 1 0	2
FBgn0034970 <b>yki</b>	FBgn0031977 <b>baf</b>	0 1 1 0	2
FBgn0034970 <b>yki</b>	FBgn0003022 <b>Ote</b>	0 1 1 0	2
FBgn0034970 <b>yki</b>	FBgn0037808 <b>Bruce</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0034253 <b>CG10936</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0026324 <b>Taf10b</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0004556 <b>Dbp73D</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0041180 <b>TepIV</b>	0 0 0 1	1

## (A) entire PPIN

FBgn0034970 <b>yki</b>	FBgn0050069 <b>CG30069</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0034307 <b>CG10914</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0030815 <b>CG8945</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0032633 <b>Lrch</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0039466 <b>CG5521</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0010348 <b>Arf79F</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0052580 <b>Muc14A</b>	0 0 1 0	1
FBgn0034970 <b>yki</b>	FBgn0033890 <b>Ctf4</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0031381 <b>Npc2a</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0034715 <b>Oatp58Db</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0041781 <b>SCAR</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0027494 <b>RpS10a</b>	0 0 1 0	1
FBgn0034970 <b>yki</b>	FBgn0035571 <b>CG12493</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0033844 <b>bbc</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0051973 <b>Cda5</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0025455 <b>CycT</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0034368 <b>CG5482</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0023172 <b>RhoGEF2</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0051792 <b>CG31792</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0031251 <b>CG4213</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0011286 <b>Rya-r44F</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0024987 <b>ssx</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0035612 <b>CG10625</b>	0 0 1 0	1
FBgn0034970 <b>yki</b>	FBgn0004387 <b>Klp98A</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0086408 <b>stl</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0250871 <b>pot</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0261456 <b>hpo</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0024183 <b>vig</b>	0 0 1 0	1
FBgn0034970 <b>yki</b>	FBgn0029118 <b>Sucb</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0036740 <b>CG6259</b>	0 0 1 0	1
FBgn0034970 <b>yki</b>	FBgn0037468 <b>CG1943</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0000247 <b>ca</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0022768 <b>Pp2C1</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0035023 <b>itp</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0000709 <b>filil</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0014396 <b>tim</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0028687 <b>Rpt1</b>	0 0 1 0	1
FBgn0034970 <b>yki</b>	FBgn0261279 <b>lqfR</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0031256 <b>CG4164</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0003575 <b>su(s)</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0034644 <b>CG10082</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0030925 <b>CG6361</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0030266 <b>CG11122</b>	0 0 1 0	1
FBgn0034970 <b>yki</b>	FBgn0261641 <b>CG42724</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0035379 <b>spz5</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0028507 <b>CG3793</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0052056 <b>scramb1</b>	0 0 1 0	1
FBgn0034970 <b>yki</b>	FBgn0031451 <b>CG9961</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0260990 <b>yata</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0003459 <b>stwl</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0030794 <b>CG13005</b>	0 0 0 1	1

## (A) entire PPIN

FBgn0034970 <b>yki</b>	FBgn0250814 <b>CG4169</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0021795 <b>Tapdelta</b>	0 0 1 0	1
FBgn0034970 <b>yki</b>	FBgn0001224 <b>Hsp23</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0027616 <b>YT521-B</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0051352 <b>Unc-115a</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0034734 <b>CG4554</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0036824 <b>CG3902</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0038773 <b>CG10887</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0262601 <b>SmB</b>	0 0 1 0	1
FBgn0034970 <b>yki</b>	FBgn0259685 <b>crb</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0033029 <b>I(2)NC136</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0025833 <b>CG8910</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0004878 <b>cas</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0037282 <b>CG14657</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0261609 <b>eIF-2alpha</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0050275 <b>CG30275</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0029687 <b>Vap-33-1</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0040284 <b>SF2</b>	0 0 1 0	1
FBgn0034970 <b>yki</b>	FBgn0086129 <b>sname</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0004888 <b>Scsalpha</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0002543 <b>lea</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0037719 <b>bocksbeutel</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0263144 <b>bin3</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0010240 <b>Lcch3</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0023167 <b>SmD3</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0025865 <b>Cortactin</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0028327 <b>I(1)G0320</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0010411 <b>RpS18</b>	0 0 1 0	1
FBgn0034970 <b>yki</b>	FBgn0024238 <b>Fim</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0261574 <b>kug</b>	0 0 1 0	1
FBgn0034970 <b>yki</b>	FBgn0028382 <b>cyp33</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0032105 <b>borr</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0004595 <b>pros</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0028675 <b>Sur</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0034308 <b>CG10915</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0026409 <b>Mpcp</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0024509 <b>sec13</b>	0 0 1 0	1
FBgn0034970 <b>yki</b>	FBgn0019949 <b>Cdk9</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0039645 <b>CG11898</b>	0 1 0 0	1
FBgn0034970 <b>yki</b>	FBgn0001225 <b>Hsp26</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0262127 <b>kibra</b>	0 0 0 1	1
FBgn0034970 <b>yki</b>	FBgn0004838 <b>Hrb27C</b>	0 0 0 1	1
FBgn0011739 <b>wts</b>	FBgn0010246 <b>Myo61F</b>	1 31 19 16	66
FBgn0011739 <b>wts</b>	FBgn0034970 <b>yki</b>	1 18 22 22	62
FBgn0011739 <b>wts</b>	FBgn0039776 <b>PH4alphaEFB</b>	1 15 13 19	47
FBgn0011739 <b>wts</b>	FBgn0038965 <b>mats</b>	1 7 8 10	25
FBgn0011739 <b>wts</b>	FBgn0263006 <b>Ca-P60A</b>	1 6 10 6	22
FBgn0011739 <b>wts</b>	FBgn0051453 <b>pch2</b>	1 5 8 7	20
FBgn0011739 <b>wts</b>	FBgn0027084 <b>Aats-lys</b>	1 5 6 6	17
FBgn0011739 <b>wts</b>	FBgn0033062 <b>Ars2</b>	0.99 8 5 9	22
FBgn0011739 <b>wts</b>	FBgn0261524 <b>lic</b>	0.99 5 5 8	18

## (A) entire PPIN

FBgn0011739	<b>wts</b>	FBgn0035811	<b>CG12262</b>	<b>0.99</b>	6 6 6	18
FBgn0011739	<b>wts</b>	FBgn0263594	<b>lost</b>	<b>0.97</b>	4 5 5	14
FBgn0011739	<b>wts</b>	FBgn0013770	<b>Cp1</b>	<b>0.96</b>	5 3 5	13
FBgn0011739	<b>wts</b>	FBgn0037312	<b>CG11999</b>	<b>0.94</b>	3 4 4	11
FBgn0011739	<b>wts</b>	FBgn0027329	<b>Tcp-1zeta</b>	<b>0.91</b>	7 8 9	24
FBgn0011739	<b>wts</b>	FBgn0028479	<b>CG4389</b>	<b>0.91</b>	4 6 4	14
FBgn0011739	<b>wts</b>	FBgn0011225	<b>jar</b>	<b>0.89</b>	26 13 11	50
FBgn0011739	<b>wts</b>	FBgn0004378	<b>Klp61F</b>	<b>0.88</b>	3 3 3	9
FBgn0011739	<b>wts</b>	FBgn0014010	<b>Rab5</b>	<b>0.84</b>	2 4 4	10
FBgn0011739	<b>wts</b>	FBgn0030612	<b>CG5599</b>	<b>0.82</b>	4 4 4	12
FBgn0011739	<b>wts</b>	FBgn0014189	<b>Hel25E</b>	<b>0.79</b>	11 9 9	29
FBgn0011739	<b>wts</b>	FBgn0040007	<b>RpL38</b>	<b>0.79</b>	3 2 3	8
FBgn0011739	<b>wts</b>	FBgn0035500	<b>ens</b>	<b>0.78</b>	3 2 3	8
FBgn0011739	<b>wts</b>	FBgn0053303	<b>CG33303</b>	<b>0.77</b>	9 11 10	30
FBgn0011739	<b>wts</b>	FBgn0260462	<b>CG12163</b>	<b>0.72</b>	3 3 2	8
FBgn0011739	<b>wts</b>	FBgn0020633	<b>Mcm7</b>	<b>0.71</b>	1 3 4	8
FBgn0011739	<b>wts</b>	FBgn0037643	<b>skap</b>	<b>0.7</b>	5 2 6	13
FBgn0011739	<b>wts</b>	FBgn0035688	<b>CG10289</b>	<b>0.69</b>	3 2 2	7
FBgn0011739	<b>wts</b>	FBgn0030993	<b>Mec2</b>	<b>0.67</b>	8 6 9	23
FBgn0011739	<b>wts</b>	FBgn0038476	<b>kuk</b>	<b>0.67</b>	3 1 4	8
FBgn0011739	<b>wts</b>	FBgn0000253	<b>Cam</b>	<b>0.65</b>	9 5 4	18
FBgn0011739	<b>wts</b>	FBgn0010352	<b>Nc73EF</b>	<b>0.63</b>	2 4 4	10
FBgn0011739	<b>wts</b>	FBgn0016685	<b>Nlp</b>	<b>0.59</b>	2 2 2	6
FBgn0011739	<b>wts</b>	FBgn0037607	<b>CG8036</b>	<b>0.58</b>	1 3 4	8
FBgn0011739	<b>wts</b>	FBgn0032961	<b>CG1416</b>	<b>0.58</b>	3 1 3	7
FBgn0011739	<b>wts</b>	FBgn0250848	<b>26-29-p</b>	<b>0.56</b>	2 2 2	6
FBgn0011739	<b>wts</b>	FBgn0032393	<b>CG12264</b>	<b>0.56</b>	2 1 3	6
FBgn0011739	<b>wts</b>	FBgn0039359	<b>RpL27</b>	<b>0.52</b>	2 1 3	6
FBgn0011739	<b>wts</b>	FBgn0010438	<b>mtSSB</b>	<b>0.51</b>	4 3 2	9
FBgn0011739	<b>wts</b>	FBgn0010342	<b>Map60</b>	<b>0.51</b>	2 1 3	6
FBgn0011739	<b>wts</b>	FBgn0039635	<b>CG11876</b>	<b>0.51</b>	1 2 2	5
FBgn0011739	<b>wts</b>	FBgn0034181	<b>CG8963</b>	<b>0.51</b>	1 2 2	5
FBgn0011739	<b>wts</b>	FBgn0002921	<b>Atpalpha</b>	<b>0.48</b>	2 2 4	8
FBgn0011739	<b>wts</b>	FBgn0029093	<b>cathD</b>	<b>0.47</b>	5 8 8	21
FBgn0011739	<b>wts</b>	FBgn0019936	<b>RpS20</b>	<b>0.47</b>	6 6 6	18
FBgn0011739	<b>wts</b>	FBgn0086768	<b>Pcmt</b>	<b>0.47</b>	1 2 2	5
FBgn0011739	<b>wts</b>	FBgn0003517	<b>sta</b>	<b>0.46</b>	2 2 1	5
FBgn0011739	<b>wts</b>	FBgn0250814	<b>CG4169</b>	<b>0.45</b>	11 7 7	25
FBgn0011739	<b>wts</b>	FBgn0022288	<b>I(2)09851</b>	<b>0.45</b>	2 4 2	8
FBgn0011739	<b>wts</b>	FBgn0261014	<b>TER94</b>	<b>0.45</b>	1 3 2	6
FBgn0011739	<b>wts</b>	FBgn0027338	<b>Kap-alpha3</b>	<b>0.45</b>	1 2 2	5
FBgn0011739	<b>wts</b>	FBgn0041775	<b>tral</b>	<b>0.44</b>	1 3 5	9
FBgn0011739	<b>wts</b>	FBgn0086443	<b>Aats-asn</b>	<b>0.44</b>	2 2 1	5
FBgn0011739	<b>wts</b>	FBgn0039300	<b>RpS27</b>	<b>0.43</b>	6 4 5	15
FBgn0011739	<b>wts</b>	FBgn0031310	<b>CG4764</b>	<b>0.43</b>	1 0 4	5
FBgn0011739	<b>wts</b>	FBgn0029118	<b>Suchb</b>	<b>0.42</b>	4 5 7	16
FBgn0011739	<b>wts</b>	FBgn0039713	<b>RpS8</b>	<b>0.42</b>	3 2 0	5
FBgn0011739	<b>wts</b>	FBgn0032643	<b>CG6453</b>	<b>0.42</b>	1 1 3	5
FBgn0011739	<b>wts</b>	FBgn0261609	<b>eIF-2alpha</b>	<b>0.41</b>	4 4 6	14
FBgn0011739	<b>wts</b>	FBgn0015797	<b>Rab6</b>	<b>0.41</b>	2 3 1	6
FBgn0011739	<b>wts</b>	FBgn0046214	<b>vig2</b>	<b>0.4</b>	4 5 5	14

## (A) entire PPIN

FBgn0011739	<b>wts</b>	FBgn0022959	<b>yps</b>	0.4	3 3 3	9
FBgn0011739	<b>wts</b>	FBgn0038293	<b>CG6904</b>	0.4	0 2 2	4
FBgn0011739	<b>wts</b>	FBgn0020618	<b>Rack1</b>	0.38	4 3 3	10
FBgn0011739	<b>wts</b>	FBgn0005674	<b>Aats-glupro</b>	0.38	0 3 5	8
FBgn0011739	<b>wts</b>	FBgn0043884	<b>mask</b>	0.38	1 3 2	6
FBgn0011739	<b>wts</b>	FBgn0017545	<b>RpS3A</b>	0.36	5 4 4	13
FBgn0011739	<b>wts</b>	FBgn0261618	<b>larp</b>	0.36	2 1 1	4
FBgn0011739	<b>wts</b>	FBgn0004401	<b>Pep</b>	0.35	3 2 3	8
FBgn0011739	<b>wts</b>	FBgn0053193	<b>sav</b>	0.35	0 8 0	8
FBgn0011739	<b>wts</b>	FBgn0040284	<b>SF2</b>	0.35	0 4 0	4
FBgn0011739	<b>wts</b>	FBgn0032906	<b>RPA2</b>	0.34	2 0 1	3
FBgn0011739	<b>wts</b>	FBgn0031066	<b>CG14235</b>	0.33	2 1 1	4
FBgn0011739	<b>wts</b>	FBgn0030672	<b>CG9281</b>	0.32	3 4 3	10
FBgn0011739	<b>wts</b>	FBgn0029897	<b>RpL17</b>	0.32	1 2 0	3
FBgn0011739	<b>wts</b>	FBgn0011016	<b>SsRbeta</b>	0.31	1 2 2	5
FBgn0011739	<b>wts</b>	FBgn0015282	<b>Pros26.4</b>	0.31	0 1 2	3
FBgn0011739	<b>wts</b>	FBgn0003600	<b>Su(var)3-9</b>	0.3	1 2 1	4
FBgn0011739	<b>wts</b>	FBgn0002787	<b>Mov34</b>	0.3	0 1 2	3
FBgn0011739	<b>wts</b>	FBgn0024509	<b>sec13</b>	0.29	1 0 2	3
FBgn0011739	<b>wts</b>	FBgn0004227	<b>nonA</b>	0.28	5 2 5	12
FBgn0011739	<b>wts</b>	FBgn0064225	<b>RpL5</b>	0.28	1 2 3	6
FBgn0011739	<b>wts</b>	FBgn0038805	<b>TFAM</b>	0.27	4 4 2	10
FBgn0011739	<b>wts</b>	FBgn0020255	<b>ran</b>	0.26	2 2 3	7
FBgn0011739	<b>wts</b>	FBgn0023167	<b>SmD3</b>	0.26	0 2 1	3
FBgn0011739	<b>wts</b>	FBgn0020235	<b>ATPsyn-gamn</b>	0.26	1 0 2	3
FBgn0011739	<b>wts</b>	FBgn0261380	<b>mRpL37</b>	0.25	0 2 1	3
FBgn0011739	<b>wts</b>	FBgn0010173	<b>RpA-70</b>	0.24	6 5 1	12
FBgn0011739	<b>wts</b>	FBgn0261606	<b>RpL27A</b>	0.24	1 2 0	3
FBgn0011739	<b>wts</b>	FBgn0036763	<b>CG7441</b>	0.24	1 0 2	3
FBgn0011739	<b>wts</b>	FBgn0032731	<b>CG10641</b>	0.23	8 3 0	11
FBgn0011739	<b>wts</b>	FBgn0034743	<b>RpS16</b>	0.22	10 9 10	29
FBgn0011739	<b>wts</b>	FBgn0053105	<b>p24-2</b>	0.22	0 2 0	2
FBgn0011739	<b>wts</b>	FBgn0262716	<b>Arp66B</b>	0.21	8 3 3	14
FBgn0011739	<b>wts</b>	FBgn0010411	<b>RpS18</b>	0.21	2 3 2	7
FBgn0011739	<b>wts</b>	FBgn0004907	<b>14-3-3zeta</b>	0.2	3 2 2	7
FBgn0011739	<b>wts</b>	FBgn0005533	<b>RpS17</b>	0.2	2 2 3	7
FBgn0011739	<b>wts</b>	FBgn0033844	<b>bbc</b>	0.2	1 2 1	4
FBgn0011739	<b>wts</b>	FBgn0034259	<b>CG6459</b>	0.2	2 0 0	2
FBgn0011739	<b>wts</b>	FBgn0025885	<b>Inos</b>	0.19	3 1 4	8
FBgn0011739	<b>wts</b>	FBgn0010909	<b>msn</b>	0.19	0 2 1	3
FBgn0011739	<b>wts</b>	FBgn0002069	<b>Aats-asp</b>	0.19	0 2 0	2
FBgn0011739	<b>wts</b>	FBgn0026409	<b>Mpcp</b>	0.18	2 1 2	5
FBgn0011739	<b>wts</b>	FBgn0029687	<b>Vap-33-1</b>	0.18	0 2 0	2
FBgn0011739	<b>wts</b>	FBgn0031497	<b>CG17259</b>	0.18	0 0 2	2
FBgn0011739	<b>wts</b>	FBgn0262467	<b>Scox</b>	0.18	2 0 0	2
FBgn0011739	<b>wts</b>	FBgn0036822	<b>CG11637</b>	0.18	0 2 0	2
FBgn0011739	<b>wts</b>	FBgn0032198	<b>eEF1delta</b>	0.17	2 1 1	4
FBgn0011739	<b>wts</b>	FBgn0030692	<b>mRpS30</b>	0.16	0 0 2	2
FBgn0011739	<b>wts</b>	FBgn0032444	<b>CG5525</b>	0.15	4 1 5	10
FBgn0011739	<b>wts</b>	FBgn0261596	<b>RpS24</b>	0.15	2 1 1	4
FBgn0011739	<b>wts</b>	FBgn0015664	<b>Dref</b>	0.15	0 1 2	3



## (A) entire PPIN

FBgn0011739	<b>wts</b>	FBgn0015218	<b>eIF-4E</b>	<b>0.15</b>	0 1 2	3
FBgn0011739	<b>wts</b>	FBgn0011823	<b>Pen</b>	<b>0.15</b>	0 0 2	2
FBgn0011739	<b>wts</b>	FBgn0010575	<b>sbb</b>	<b>0.15</b>	2 0 0	2
FBgn0011739	<b>wts</b>	FBgn0013756	<b>Mtor</b>	<b>0.14</b>	3 1 9	13
FBgn0011739	<b>wts</b>	FBgn0041188	<b>Atx2</b>	<b>0.14</b>	2 1 3	6
FBgn0011739	<b>wts</b>	FBgn0034237	<b>eIF3-S9</b>	<b>0.14</b>	0 2 2	4
FBgn0011739	<b>wts</b>	FBgn0032454	<b>CG5787</b>	<b>0.14</b>	0 0 3	3
FBgn0011739	<b>wts</b>	FBgn0001942	<b>eIF-4a</b>	<b>0.13</b>	11 9 15	35
FBgn0011739	<b>wts</b>	FBgn0063485	<b>Lasp</b>	<b>0.13</b>	0 0 2	2
FBgn0011739	<b>wts</b>	FBgn0003676	<b>T-cp1</b>	<b>0.12</b>	11 12 14	37
FBgn0011739	<b>wts</b>	FBgn0039302	<b>Nup358</b>	<b>0.12</b>	0 0 2	2
FBgn0011739	<b>wts</b>	FBgn0023213	<b>eIF4G</b>	<b>0.11</b>	0 2 0	2
FBgn0011739	<b>wts</b>	FBgn0025286	<b>RpL31</b>	<b>0.1</b>	3 4 3	10
FBgn0011739	<b>wts</b>	FBgn0031437	<b>p16-ARC</b>	<b>0.1</b>	5 2 2	9
FBgn0011739	<b>wts</b>	FBgn0021795	<b>Tapdelta</b>	<b>0.1</b>	1 1 2	4
FBgn0011739	<b>wts</b>	FBgn0025352	<b>Thiolase</b>	<b>0.1</b>	1 1 2	4
FBgn0011739	<b>wts</b>	FBgn0031741	<b>CG11034</b>	<b>0.1</b>	2 0 0	2
FBgn0011739	<b>wts</b>	FBgn0003261	<b>Rm62</b>	<b>0.09</b>	7 10 5	22
FBgn0011739	<b>wts</b>	FBgn0030943	<b>CG6540</b>	<b>0.09</b>	1 2 2	5
FBgn0011739	<b>wts</b>	FBgn0035987	<b>CG3689</b>	<b>0.09</b>	1 2 1	4
FBgn0011739	<b>wts</b>	FBgn0001197	<b>His2Av</b>	<b>0.09</b>	2 2 0	4
FBgn0011739	<b>wts</b>	FBgn0082582	<b>tmod</b>	<b>0.08</b>	14 8 12	34
FBgn0011739	<b>wts</b>	FBgn0010280	<b>Taf4</b>	<b>0.08</b>	2 0 0	2
FBgn0011739	<b>wts</b>	FBgn0004167	<b>kst</b>	<b>0.07</b>	4 4 6	14
FBgn0011739	<b>wts</b>	FBgn0028687	<b>Rpt1</b>	<b>0.07</b>	2 2 4	8
FBgn0011739	<b>wts</b>	FBgn0030354	<b>Upf1</b>	<b>0.07</b>	0 0 2	2
FBgn0011739	<b>wts</b>	FBgn0003888	<b>betaTub60D</b>	<b>0.06</b>	9 8 10	27
FBgn0011739	<b>wts</b>	FBgn0028734	<b>Fmr1</b>	<b>0.06</b>	6 6 5	17
FBgn0011739	<b>wts</b>	FBgn0261397	<b>didum</b>	<b>0.06</b>	9 3 2	14
FBgn0011739	<b>wts</b>	FBgn0033039	<b>gp210</b>	<b>0.06</b>	0 1 2	3
FBgn0011739	<b>wts</b>	FBgn0032363	<b>CG6509</b>	<b>0.06</b>	0 1 2	3
FBgn0011739	<b>wts</b>	FBgn0086710	<b>RpL30</b>	<b>0.05</b>	2 2 2	6
FBgn0011739	<b>wts</b>	FBgn0011284	<b>RpS4</b>	<b>0.04</b>	12 7 8	27
FBgn0011739	<b>wts</b>	FBgn0028969	<b>deltaCOP</b>	<b>0.04</b>	3 4 5	12
FBgn0011739	<b>wts</b>	FBgn0000173	<b>ben</b>	<b>0.04</b>	2 3 3	8
FBgn0011739	<b>wts</b>	FBgn0053868	<b>His2B:CG3386</b>	<b>0.04</b>	2 1 1	4
FBgn0011739	<b>wts</b>	FBgn0038145	<b>Droj2</b>	<b>0.03</b>	10 10 13	33
FBgn0011739	<b>wts</b>	FBgn0010408	<b>RpS9</b>	<b>0.03</b>	3 3 4	10
FBgn0011739	<b>wts</b>	FBgn0002593	<b>RpLP1</b>	<b>0.03</b>	0 1 2	3
FBgn0011739	<b>wts</b>	FBgn0024308	<b>Smr</b>	<b>0.03</b>	0 0 2	2
FBgn0011739	<b>wts</b>	FBgn0263391	<b>hts</b>	<b>0.02</b>	5 6 9	20
FBgn0011739	<b>wts</b>	FBgn0087035	<b>AGO2</b>	<b>0.02</b>	3 4 5	12
FBgn0011739	<b>wts</b>	FBgn0015268	<b>Nap1</b>	<b>0.02</b>	2 1 2	5
FBgn0011739	<b>wts</b>	FBgn0028695	<b>Rpn1</b>	<b>0.02</b>	0 0 2	2
FBgn0011739	<b>wts</b>	FBgn0086656	<b>shrb</b>	<b>0.02</b>	2 0 0	2
FBgn0011739	<b>wts</b>	FBgn0003514	<b>sqh</b>	<b>0.01</b>	17 15 16	48
FBgn0011739	<b>wts</b>	FBgn0261619	<b>pAbp</b>	<b>0.01</b>	12 8 10	30
FBgn0011739	<b>wts</b>	FBgn0263396	<b>sqd</b>	<b>0.01</b>	3 6 6	15
FBgn0011739	<b>wts</b>	FBgn0010078	<b>RpL23</b>	<b>0.01</b>	5 3 6	14
FBgn0011739	<b>wts</b>	FBgn0039580	<b>Gfat2</b>	<b>0.01</b>	2 1 2	5
FBgn0011739	<b>wts</b>	FBgn0035033	<b>CG3548</b>	<b>0.01</b>	3 1 0	4

## (A) entire PPIN

FBgn0011739	<b>wts</b>	FBgn0263106	<b>DnaJ-1</b>	<b>0.01</b>	2 0 2	4
FBgn0011739	<b>wts</b>	FBgn0005634	<b>zip</b>	<b>0</b>	252 232 222	706
FBgn0011739	<b>wts</b>	FBgn0000556	<b>Ef1alpha48D</b>	<b>0</b>	59 53 55	167
FBgn0011739	<b>wts</b>	FBgn0001219	<b>Hsc70-4</b>	<b>0</b>	49 53 55	157
FBgn0011739	<b>wts</b>	FBgn0003887	<b>betaTub56D</b>	<b>0</b>	45 45 50	140
FBgn0011739	<b>wts</b>	FBgn0000042	<b>Act5C</b>	<b>0</b>	36 36 43	115
FBgn0011739	<b>wts</b>	FBgn0000709	<b>filil</b>	<b>0</b>	41 28 31	100
FBgn0011739	<b>wts</b>	FBgn0002525	<b>Lam</b>	<b>0</b>	30 34 32	96
FBgn0011739	<b>wts</b>	FBgn0003178	<b>PyK</b>	<b>0</b>	28 29 31	88
FBgn0011739	<b>wts</b>	FBgn0003884	<b>alphaTub84B</b>	<b>0</b>	32 26 30	88
FBgn0011739	<b>wts</b>	FBgn0003721	<b>Tm1</b>	<b>0</b>	33 28 27	88
FBgn0011739	<b>wts</b>	FBgn0261710	<b>nocte</b>	<b>0</b>	22 24 25	71
FBgn0011739	<b>wts</b>	FBgn0001218	<b>Hsc70-3</b>	<b>0</b>	20 21 27	68
FBgn0011739	<b>wts</b>	FBgn0030699	<b>CG8578</b>	<b>0</b>	21 22 22	65
FBgn0011739	<b>wts</b>	FBgn0250789	<b>alpha-Spec</b>	<b>0</b>	20 13 19	52
FBgn0011739	<b>wts</b>	FBgn0001233	<b>Hsp83</b>	<b>0</b>	16 13 17	46
FBgn0011739	<b>wts</b>	FBgn0263231	<b>bel</b>	<b>0</b>	12 17 17	46
FBgn0011739	<b>wts</b>	FBgn0002622	<b>RpS3</b>	<b>0</b>	14 11 13	38
FBgn0011739	<b>wts</b>	FBgn0003360	<b>sesB</b>	<b>0</b>	11 9 13	33
FBgn0011739	<b>wts</b>	FBgn0039757	<b>RpS7</b>	<b>0</b>	10 9 13	32
FBgn0011739	<b>wts</b>	FBgn0004687	<b>Mlc-c</b>	<b>0</b>	11 11 9	31
FBgn0011739	<b>wts</b>	FBgn0034577	<b>cpa</b>	<b>0</b>	11 11 9	31
FBgn0011739	<b>wts</b>	FBgn0029176	<b>Ef1gamma</b>	<b>0</b>	10 8 8	26
FBgn0011739	<b>wts</b>	FBgn0037891	<b>CG5214</b>	<b>0</b>	7 7 12	26
FBgn0011739	<b>wts</b>	FBgn0035499	<b>Chd64</b>	<b>0</b>	9 8 9	26
FBgn0011739	<b>wts</b>	FBgn0001220	<b>Hsc70-5</b>	<b>0</b>	7 8 10	25
FBgn0011739	<b>wts</b>	FBgn0031256	<b>CG4164</b>	<b>0</b>	6 7 9	22
FBgn0011739	<b>wts</b>	FBgn0262734	<b>Rbp2</b>	<b>0</b>	6 6 9	21
FBgn0011739	<b>wts</b>	FBgn0035608	<b>blanks</b>	<b>0</b>	6 7 7	20
FBgn0011739	<b>wts</b>	FBgn0032859	<b>Arc-p34</b>	<b>0</b>	10 6 4	20
FBgn0011739	<b>wts</b>	FBgn0011570	<b>cpb</b>	<b>0</b>	8 7 5	20
FBgn0011739	<b>wts</b>	FBgn0040227	<b>eIF-3p66</b>	<b>0</b>	6 5 7	18
FBgn0011739	<b>wts</b>	FBgn0015778	<b>rin</b>	<b>0</b>	5 6 6	17
FBgn0011739	<b>wts</b>	FBgn0000044	<b>Act57B</b>	<b>0</b>	7 5 5	17
FBgn0011739	<b>wts</b>	FBgn0011211	<b>blw</b>	<b>0</b>	4 6 6	16
FBgn0011739	<b>wts</b>	FBgn0004403	<b>RpS14a</b>	<b>0</b>	5 6 5	16
FBgn0011739	<b>wts</b>	FBgn0001216	<b>Hsc70-1</b>	<b>0</b>	6 5 5	16
FBgn0011739	<b>wts</b>	FBgn0002780	<b>mod</b>	<b>0</b>	5 6 4	15
FBgn0011739	<b>wts</b>	FBgn0002645	<b>Map205</b>	<b>0</b>	4 3 8	15
FBgn0011739	<b>wts</b>	FBgn0003022	<b>Ote</b>	<b>0</b>	5 3 7	15
FBgn0011739	<b>wts</b>	FBgn0010217	<b>ATPsyn-beta</b>	<b>0</b>	4 4 6	14
FBgn0011739	<b>wts</b>	FBgn0004888	<b>Scsalpha</b>	<b>0</b>	4 4 5	13
FBgn0011739	<b>wts</b>	FBgn0000258	<b>Ckllalpha</b>	<b>0</b>	5 4 4	13
FBgn0011739	<b>wts</b>	FBgn0261593	<b>RpS10b</b>	<b>0</b>	4 5 3	12
FBgn0011739	<b>wts</b>	FBgn0015834	<b>Trip1</b>	<b>0</b>	3 4 5	12
FBgn0011739	<b>wts</b>	FBgn0001961	<b>Sop2</b>	<b>0</b>	6 3 3	12
FBgn0011739	<b>wts</b>	FBgn0010198	<b>RpS15Aa</b>	<b>0</b>	4 4 4	12
FBgn0011739	<b>wts</b>	FBgn0036213	<b>RpL10Ab</b>	<b>0</b>	3 3 6	12
FBgn0011739	<b>wts</b>	FBgn0027932	<b>Akap200</b>	<b>0</b>	3 3 6	12
FBgn0011739	<b>wts</b>	FBgn0003890	<b>betaTub97EF</b>	<b>0</b>	4 4 3	11
FBgn0011739	<b>wts</b>	FBgn0042134	<b>Capr</b>	<b>0</b>	3 2 6	11

## (A) entire PPIN

FBgn0011739	<b>wts</b>	FBgn0027066	<b>Eb1</b>	0 3 3 5	11
FBgn0011739	<b>wts</b>	FBgn0004237	<b>Hrb87F</b>	0 3 3 5	11
FBgn0011739	<b>wts</b>	FBgn0029979	<b>CG10777</b>	0 3 4 3	10
FBgn0011739	<b>wts</b>	FBgn0004363	<b>porin</b>	0 3 4 3	10
FBgn0011739	<b>wts</b>	FBgn0003941	<b>RpL40</b>	0 3 3 4	10
FBgn0011739	<b>wts</b>	FBgn0051363	<b>Jupiter</b>	0 2 3 4	9
FBgn0011739	<b>wts</b>	FBgn0039697	<b>CG7834</b>	0 3 2 4	9
FBgn0011739	<b>wts</b>	FBgn0000100	<b>RpLP0</b>	0 1 3 5	9
FBgn0011739	<b>wts</b>	FBgn0011710	<b>Sep1</b>	0 3 4 2	9
FBgn0011739	<b>wts</b>	FBgn0004867	<b>RpS2</b>	0 3 2 4	9
FBgn0011739	<b>wts</b>	FBgn0031977	<b>baf</b>	0 4 4 1	9
FBgn0011739	<b>wts</b>	FBgn0028737	<b>Ef1beta</b>	0 3 3 2	8
FBgn0011739	<b>wts</b>	FBgn0011692	<b>pav</b>	0 4 4 0	8
FBgn0011739	<b>wts</b>	FBgn0013325	<b>RpL11</b>	0 3 3 2	8
FBgn0011739	<b>wts</b>	FBgn0028327	<b>I(1)G0320</b>	0 2 4 2	8
FBgn0011739	<b>wts</b>	FBgn0000181	<b>bic</b>	0 2 2 3	7
FBgn0011739	<b>wts</b>	FBgn0011742	<b>Arp14D</b>	0 1 3 3	7
FBgn0011739	<b>wts</b>	FBgn0001217	<b>Hsc70-2</b>	0 2 2 2	6
FBgn0011739	<b>wts</b>	FBgn0034968	<b>RpL12</b>	0 2 2 2	6
FBgn0011739	<b>wts</b>	FBgn0037719	<b>bocksbeutel</b>	0 2 2 2	6
FBgn0011739	<b>wts</b>	FBgn0000319	<b>Chc</b>	0 2 2 2	6
FBgn0011739	<b>wts</b>	FBgn0015756	<b>RpL9</b>	0 1 3 2	6
FBgn0011739	<b>wts</b>	FBgn0024987	<b>ssx</b>	0 2 2 1	5
FBgn0011739	<b>wts</b>	FBgn0086904	<b>Nacalpa</b>	0 1 2 2	5
FBgn0011739	<b>wts</b>	FBgn0031781	<b>Arc-p20</b>	0 2 1 2	5
FBgn0011739	<b>wts</b>	FBgn0013726	<b>pnut</b>	0 2 2 1	5
FBgn0011739	<b>wts</b>	FBgn0001215	<b>Hrb98DE</b>	0 3 1 1	5
FBgn0011739	<b>wts</b>	FBgn0020279	<b>lig</b>	0 0 0 4	4
FBgn0011739	<b>wts</b>	FBgn0013981	<b>His4r</b>	0 1 1 2	4
FBgn0011739	<b>wts</b>	FBgn0014269	<b>prod</b>	0 3 1 0	4
FBgn0011739	<b>wts</b>	FBgn0031030	<b>Tao-1</b>	0 1 1 1	3
FBgn0011739	<b>wts</b>	FBgn0022023	<b>elF-3p40</b>	0 1 1 1	3
FBgn0011739	<b>wts</b>	FBgn0010348	<b>Arf79F</b>	0 1 1 1	3
FBgn0011739	<b>wts</b>	FBgn0000559	<b>Ef2b</b>	0 0 2 1	3
FBgn0011739	<b>wts</b>	FBgn0263121	<b>Prosalpa1</b>	0 1 1 1	3
FBgn0011739	<b>wts</b>	FBgn0028470	<b>Patr-1</b>	0 1 1 1	3
FBgn0011739	<b>wts</b>	FBgn0039562	<b>Gp93</b>	0 1 1 1	3
FBgn0011739	<b>wts</b>	FBgn0050122	<b>CG30122</b>	0 1 2 0	3
FBgn0011739	<b>wts</b>	FBgn0260944	<b>Rbp1</b>	0 1 1 1	3
FBgn0011739	<b>wts</b>	FBgn0005278	<b>Sam-S</b>	0 1 1 1	3
FBgn0011739	<b>wts</b>	FBgn0025637	<b>skpA</b>	0 1 1 1	3
FBgn0011739	<b>wts</b>	FBgn0027598	<b>cindr</b>	0 1 1 1	3
FBgn0011739	<b>wts</b>	FBgn0038224	<b>CG3321</b>	0 1 1 1	3
FBgn0011739	<b>wts</b>	FBgn0026562	<b>BM-40-SPARC</b>	0 1 1 1	3
FBgn0011739	<b>wts</b>	FBgn0026761	<b>Trap1</b>	0 1 1 1	3
FBgn0011739	<b>wts</b>	FBgn0052479	<b>CG32479</b>	0 1 1 1	3
FBgn0011739	<b>wts</b>	FBgn0262125	<b>sec23</b>	0 1 1 1	3
FBgn0011739	<b>wts</b>	FBgn0014391	<b>sun</b>	0 1 1 1	3
FBgn0011739	<b>wts</b>	FBgn0025457	<b>Bub3</b>	0 1 1 1	3
FBgn0011739	<b>wts</b>	FBgn0035424	<b>CG11505</b>	0 1 1 1	3
FBgn0011739	<b>wts</b>	FBgn0037137	<b>Nopp140</b>	0 1 1 1	3

## (A) entire PPIN

FBgn0011739 <b>wts</b>	FBgn0262601 <b>SmB</b>	0 1 1 1	3
FBgn0011739 <b>wts</b>	FBgn0261385 <b>scra</b>	0 1 1 1	3
FBgn0011739 <b>wts</b>	FBgn0014029 <b>Sep2</b>	0 1 1 1	3
FBgn0011739 <b>wts</b>	FBgn0001315 <b>kl-5</b>	0 1 1 1	3
FBgn0011739 <b>wts</b>	FBgn0003274 <b>RpLP2</b>	0 1 1 1	3
FBgn0011739 <b>wts</b>	FBgn0005640 <b>Eip63E</b>	0 1 1 1	3
FBgn0011739 <b>wts</b>	FBgn0024238 <b>Fim</b>	0 1 1 1	3
FBgn0011739 <b>wts</b>	FBgn0034398 <b>CG15098</b>	0 1 1 1	3
FBgn0011739 <b>wts</b>	FBgn0021906 <b>RFeSP</b>	0 1 0 1	2
FBgn0011739 <b>wts</b>	FBgn0261792 <b>snRNP-U1-C</b>	0 0 1 1	2
FBgn0011739 <b>wts</b>	FBgn0015929 <b>dpa</b>	0 1 1 0	2
FBgn0011739 <b>wts</b>	FBgn0030992 <b>CG33253</b>	0 1 0 1	2
FBgn0011739 <b>wts</b>	FBgn0015589 <b>Apc</b>	0 1 0 1	2
FBgn0011739 <b>wts</b>	FBgn0004556 <b>Dbp73D</b>	0 0 1 1	2
FBgn0011739 <b>wts</b>	FBgn0037551 <b>Gie</b>	0 1 1 0	2
FBgn0011739 <b>wts</b>	FBgn0037632 <b>Tcp-1eta</b>	0 1 0 1	2
FBgn0011739 <b>wts</b>	FBgn0002031 <b>I(2)37Cc</b>	0 1 0 1	2
FBgn0011739 <b>wts</b>	FBgn0005586 <b>Rab3</b>	0 1 1 0	2
FBgn0011739 <b>wts</b>	FBgn0015245 <b>Hsp60</b>	0 1 1 0	2
FBgn0011739 <b>wts</b>	FBgn0027494 <b>RpS10a</b>	0 1 1 0	2
FBgn0011739 <b>wts</b>	FBgn0031868 <b>Rat1</b>	0 0 1 1	2
FBgn0011739 <b>wts</b>	FBgn0030322 <b>CG15220</b>	0 1 0 1	2
FBgn0011739 <b>wts</b>	FBgn0037270 <b>CG9769</b>	0 0 1 1	2
FBgn0011739 <b>wts</b>	FBgn0010551 <b>I(2)03709</b>	0 0 1 1	2
FBgn0011739 <b>wts</b>	FBgn0260441 <b>RpS12</b>	0 1 0 1	2
FBgn0011739 <b>wts</b>	FBgn0011571 <b>caz</b>	0 0 1 1	2
FBgn0011739 <b>wts</b>	FBgn0010621 <b>Cct5</b>	0 0 1 1	2
FBgn0011739 <b>wts</b>	FBgn0028692 <b>Rpn2</b>	0 0 1 1	2
FBgn0011739 <b>wts</b>	FBgn0005648 <b>Pabp2</b>	0 1 1 0	2
FBgn0011739 <b>wts</b>	FBgn0015283 <b>Pros54</b>	0 1 1 0	2
FBgn0011739 <b>wts</b>	FBgn0033264 <b>Nup50</b>	0 0 1 1	2
FBgn0011739 <b>wts</b>	FBgn0033342 <b>CG8258</b>	0 0 1 1	2
FBgn0011739 <b>wts</b>	FBgn0015019 <b>Cctgamma</b>	0 1 1 0	2
FBgn0011739 <b>wts</b>	FBgn0037249 <b>eIF3-S10</b>	0 0 1 1	2
FBgn0011739 <b>wts</b>	FBgn0015288 <b>RpL22</b>	0 1 1 0	2
FBgn0011739 <b>wts</b>	FBgn0058042 <b>CG40042</b>	0 0 1 1	2
FBgn0011739 <b>wts</b>	FBgn0001092 <b>Gapdh2</b>	0 0 1 1	2
FBgn0011739 <b>wts</b>	FBgn0035872 <b>CG7185</b>	0 1 1 0	2
FBgn0011739 <b>wts</b>	FBgn0035229 <b>CG7852</b>	0 0 1 1	2
FBgn0011739 <b>wts</b>	FBgn0032600 <b>CG17912</b>	0 0 1 1	2
FBgn0011739 <b>wts</b>	FBgn0032987 <b>RpL21</b>	0 1 1 0	2
FBgn0011739 <b>wts</b>	FBgn0038853 <b>RhoGAP93B</b>	0 0 1 1	2
FBgn0011739 <b>wts</b>	FBgn0003449 <b>snf</b>	0 1 1 0	2
FBgn0011739 <b>wts</b>	FBgn0037756 <b>CG8507</b>	0 0 1 1	2
FBgn0011739 <b>wts</b>	FBgn0086356 <b>tum</b>	0 1 1 0	2
FBgn0011739 <b>wts</b>	FBgn0027571 <b>CG3523</b>	0 1 1 0	2
FBgn0011739 <b>wts</b>	FBgn0032217 <b>CG4972</b>	0 0 1 1	2
FBgn0011739 <b>wts</b>	FBgn0035753 <b>RpL18</b>	0 1 1 0	2
FBgn0011739 <b>wts</b>	FBgn0037376 <b>CG2051</b>	0 1 1 0	2
FBgn0011739 <b>wts</b>	FBgn0026372 <b>RpL23A</b>	0 1 1 0	2
FBgn0011739 <b>wts</b>	FBgn0034401 <b>CG15100</b>	0 1 0 0	1

## (A) entire PPIN

FBgn0011739	<b>wts</b>	FBgn0035589	<b>CHMP2B</b>	0	1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0031857	<b>CG11321</b>	0	0 0 1	1
FBgn0011739	<b>wts</b>	FBgn0035704	<b>CG10144</b>	0	1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0033051	<b>dream</b>	0	0 0 1	1
FBgn0011739	<b>wts</b>	FBgn0034138	<b>RpS15</b>	0	0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0037142	<b>CG14562</b>	0	0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0039286	<b>dan</b>	0	0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0032154	<b>CG5924</b>	0	0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0261790	<b>SmE</b>	0	0 0 1	1
FBgn0011739	<b>wts</b>	FBgn0261388	<b>CG42629</b>	0	1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0033483	<b>egr</b>	0	0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0050069	<b>CG30069</b>	0	1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0086906	<b>sls</b>	0	0 0 1	1
FBgn0011739	<b>wts</b>	FBgn0026418	<b>Hsc70Cb</b>	0	1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0010265	<b>RpS13</b>	0	0 0 1	1
FBgn0011739	<b>wts</b>	FBgn0033460	<b>sec24</b>	0	1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0024733	<b>RpL10</b>	0	0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0262515	<b>VhaAC45</b>	0	0 0 1	1
FBgn0011739	<b>wts</b>	FBgn0030293	<b>CG1737</b>	0	0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0028982	<b>Spt6</b>	0	0 0 1	1
FBgn0011739	<b>wts</b>	FBgn0037074	<b>CG7324</b>	0	0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0003732	<b>Top2</b>	0	0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0261119	<b>Prp19</b>	0	0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0027581	<b>CG6191</b>	0	1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0031547	<b>Sr-CIV</b>	0	0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0002466	<b>sti</b>	0	1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0259876	<b>Cap-G</b>	0	0 0 1	1
FBgn0011739	<b>wts</b>	FBgn0016976	<b>stnA</b>	0	1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0037530	<b>CG2943</b>	0	0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0028560	<b>sut4</b>	0	1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0086377	<b>Syx7</b>	0	0 0 1	1
FBgn0011739	<b>wts</b>	FBgn0261535	<b>I(2)34Fd</b>	0	1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0028700	<b>RfC38</b>	0	0 0 1	1
FBgn0011739	<b>wts</b>	FBgn0031540	<b>CG3238</b>	0	0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0085478	<b>CG34449</b>	0	0 0 1	1
FBgn0011739	<b>wts</b>	FBgn0053509	<b>CG33509</b>	0	1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0037084	<b>Syx6</b>	0	1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0036892	<b>CG8798</b>	0	0 0 1	1
FBgn0011739	<b>wts</b>	FBgn0033699	<b>RpS11</b>	0	0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0051668	<b>CG31668</b>	0	0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0027567	<b>CG8108</b>	0	1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0014163	<b>fax</b>	0	0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0000427	<b>dec-1</b>	0	0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0024183	<b>vig</b>	0	0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0010412	<b>RpS19a</b>	0	0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0263355	<b>CG31688</b>	0	0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0032372	<b>CG4988</b>	0	1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0002924	<b>ncd</b>	0	0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0037807	<b>CG6293</b>	0	0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0036511	<b>CG6498</b>	0	0 0 1	1
FBgn0011739	<b>wts</b>	FBgn0039229	<b>Saf-B</b>	0	0 0 1	1

## (A) entire PPIN

FBgn0011739	<b>wts</b>	FBgn0039731	<b>sas-6</b>	0 0 0 1	1
FBgn0011739	<b>wts</b>	FBgn0035726	<b>CG9953</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0031216	<b>CG11376</b>	0 1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0023517	<b>Pgam5</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0263347	<b>Caf1</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0023521	<b>CG3587</b>	0 1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0015024	<b>Cklalpha</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0262126	<b>gho</b>	0 1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0038952	<b>CG7069</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0037044	<b>CG10585</b>	0 0 0 1	1
FBgn0011739	<b>wts</b>	FBgn0028954	<b>CG3287</b>	0 1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0086347	<b>Myo31DF</b>	0 1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0032210	<b>CYLD</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0040078	<b>pont</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0037912	<b>sea</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0051370	<b>CG31370</b>	0 0 0 1	1
FBgn0011739	<b>wts</b>	FBgn0031591	<b>CG15425</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0013988	<b>Strn-Mlck</b>	0 1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0053680	<b>CG33680</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0000541	<b>E(bx)</b>	0 0 0 1	1
FBgn0011739	<b>wts</b>	FBgn0030000	<b>CG2260</b>	0 1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0039491	<b>CG6059</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0035400	<b>CG11537</b>	0 1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0002638	<b>Bj1</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0032456	<b>MRP</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0039923	<b>MED26</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0039537	<b>CG5590</b>	0 0 0 1	1
FBgn0011739	<b>wts</b>	FBgn0031571	<b>CG3921</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0041706	<b>CG3253</b>	0 1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0034877	<b>levy</b>	0 0 0 1	1
FBgn0011739	<b>wts</b>	FBgn0034646	<b>Rae1</b>	0 0 0 1	1
FBgn0011739	<b>wts</b>	FBgn0038953	<b>CG18596</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0259108	<b>futsch</b>	0 1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0027616	<b>YT521-B</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0002174	<b>l(2)tid</b>	0 0 0 1	1
FBgn0011739	<b>wts</b>	FBgn0035600	<b>CG4769</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0038742	<b>Arc42</b>	0 0 0 1	1
FBgn0011739	<b>wts</b>	FBgn0028325	<b>l(1)G0334</b>	0 0 0 1	1
FBgn0011739	<b>wts</b>	FBgn0033482	<b>CG1371</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0024556	<b>EfTuM</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0032518	<b>RpL24</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0031033	<b>CG14219</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0025700	<b>CG5885</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0003089	<b>pip</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0029172	<b>Fad2</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0024326	<b>Mkk4</b>	0 0 0 1	1
FBgn0011739	<b>wts</b>	FBgn0052681	<b>CG32681</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0030412	<b>tomosyn</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0032240	<b>CG17768</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0260399	<b>gwl</b>	0 0 0 1	1
FBgn0011739	<b>wts</b>	FBgn0033351	<b>CG8235</b>	0 0 1 0	1

## (A) entire PPIN

FBgn0011739	<b>wts</b>	FBgn0034500	<b>CG11200</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0262603	<b>sec8</b>	0 1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0015806	<b>S6k</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0030330	<b>Tango10</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0051773	<b>CG31773</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0032035	<b>CG13393</b>	0 0 0 1	1
FBgn0011739	<b>wts</b>	FBgn0051755	<b>CG31755</b>	0 1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0038499	<b>Brf</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0029932	<b>CG4607</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0062442	<b>CG1458</b>	0 1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0029858	<b>CG15896</b>	0 1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0261597	<b>RpS26</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0039331	<b>CG11913</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0039153	<b>CG5463</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0040286	<b>SC35</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0030479	<b>Rbp1-like</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0045980	<b>niki</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0052365	<b>CG32365</b>	0 1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0034258	<b>eIF3-S8</b>	0 0 0 1	1
FBgn0011739	<b>wts</b>	FBgn0010549	<b>I(2)03659</b>	0 1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0010774	<b>Aly</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0036663	<b>CG9674</b>	0 0 0 1	1
FBgn0011739	<b>wts</b>	FBgn0015591	<b>Ast</b>	0 1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0261608	<b>RpL37A</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0004838	<b>Hrb27C</b>	0 0 0 1	1
FBgn0011739	<b>wts</b>	FBgn0000317	<b>ck</b>	0 1 0 0	1
FBgn0011739	<b>wts</b>	FBgn0034087	<b>clu</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0039055	<b>Rassf</b>	0 0 1 0	1
FBgn0011739	<b>wts</b>	FBgn0032652	<b>CG6870</b>	0 1 0 0	1
FBgn0003345	<b>sd</b>	FBgn0034970	<b>yki</b>	1 60 53 54	167
FBgn0003345	<b>sd</b>	FBgn0011739	<b>wts</b>	1 10 9 10	29
FBgn0003345	<b>sd</b>	FBgn0036373	<b>CG10741</b>	1 8 7 8	23
FBgn0003345	<b>sd</b>	FBgn0011225	<b>jar</b>	0.82 10 16 12	38
FBgn0003345	<b>sd</b>	FBgn0013981	<b>His4r</b>	0.74 5 5 5	15
FBgn0003345	<b>sd</b>	FBgn0040284	<b>SF2</b>	0.71 1 7 6	14
FBgn0003345	<b>sd</b>	FBgn0029897	<b>RpL17</b>	0.64 2 2 2	6
FBgn0003345	<b>sd</b>	FBgn0032731	<b>CG10641</b>	0.59 6 9 8	23
FBgn0003345	<b>sd</b>	FBgn0015288	<b>RpL22</b>	0.58 1 3 2	6
FBgn0003345	<b>sd</b>	FBgn0261397	<b>didum</b>	0.56 7 13 14	34
FBgn0003345	<b>sd</b>	FBgn0032906	<b>RPA2</b>	0.53 2 1 2	5
FBgn0003345	<b>sd</b>	FBgn0038369	<b>Arpc3A</b>	0.46 1 3 2	6
FBgn0003345	<b>sd</b>	FBgn0053868	<b>His2B:CG3386</b>	0.33 2 3 3	8
FBgn0003345	<b>sd</b>	FBgn0039713	<b>RpS8</b>	0.33 1 3 1	5
FBgn0003345	<b>sd</b>	FBgn0260944	<b>Rbp1</b>	0.33 0 2 1	3
FBgn0003345	<b>sd</b>	FBgn0086356	<b>tum</b>	0.29 3 3 3	9
FBgn0003345	<b>sd</b>	FBgn0261551	<b>CG42669</b>	0.28 0 4 1	5
FBgn0003345	<b>sd</b>	FBgn0261385	<b>scra</b>	0.27 2 3 2	7
FBgn0003345	<b>sd</b>	FBgn0014163	<b>fax</b>	0.27 0 1 2	3
FBgn0003345	<b>sd</b>	FBgn0037643	<b>skap</b>	0.22 2 1 3	6
FBgn0003345	<b>sd</b>	FBgn0010246	<b>Myo61F</b>	0.21 3 9 6	18
FBgn0003345	<b>sd</b>	FBgn0262716	<b>Arp66B</b>	0.19 5 6 7	18

## (A) entire PPIN

FBgn0003345	sd	FBgn0010348	<b>Arf79F</b>	0.18	2 2 2	6
FBgn0003345	sd	FBgn0037417	<b>Osi10</b>	0.1	0 2 0	2
FBgn0003345	sd	FBgn0027598	<b>cindr</b>	0.08	1 1 2	4
FBgn0003345	sd	FBgn0028490	<b>CG31705</b>	0.08	2 1 0	3
FBgn0003345	sd	FBgn0263006	<b>Ca-P60A</b>	0.07	2 1 0	3
FBgn0003345	sd	FBgn0261929	<b>CG42796</b>	0.07	0 0 2	2
FBgn0003345	sd	FBgn0029903	<b>pod1</b>	0.06	0 2 0	2
FBgn0003345	sd	FBgn0010411	<b>RpS18</b>	0.04	1 2 0	3
FBgn0003345	sd	FBgn0041775	<b>tral</b>	0.03	0 0 2	2
FBgn0003345	sd	FBgn0263106	<b>DnaJ-1</b>	0.02	2 1 2	5
FBgn0003345	sd	FBgn0086656	<b>shrb</b>	0.02	1 1 2	4
FBgn0003345	sd	FBgn0031437	<b>p16-ARC</b>	0.01	2 3 3	8
FBgn0003345	sd	FBgn0037719	<b>bocksbeutel</b>	0.01	3 2 3	8
FBgn0003345	sd	FBgn0030136	<b>RpS28b</b>	0.01	2 2 2	6
FBgn0003345	sd	FBgn0010173	<b>RpA-70</b>	0.01	0 4 2	6
FBgn0003345	sd	FBgn0025885	<b>Inos</b>	0.01	2 2 2	6
FBgn0003345	sd	FBgn0002638	<b>Bj1</b>	0.01	1 4 1	6
FBgn0003345	sd	FBgn0015268	<b>Nap1</b>	0.01	0 1 2	3
FBgn0003345	sd	FBgn0005634	<b>zip</b>	0	221 235 225	681
FBgn0003345	sd	FBgn0000042	<b>Act5C</b>	0	31 42 31	104
FBgn0003345	sd	FBgn0001219	<b>Hsc70-4</b>	0	32 31 33	96
FBgn0003345	sd	FBgn0000709	<b>flil</b>	0	29 35 28	92
FBgn0003345	sd	FBgn0003887	<b>betaTub56D</b>	0	26 21 28	75
FBgn0003345	sd	FBgn0001218	<b>Hsc70-3</b>	0	26 23 22	71
FBgn0003345	sd	FBgn0003721	<b>Tm1</b>	0	21 23 22	66
FBgn0003345	sd	FBgn0003884	<b>alphaTub84B</b>	0	20 19 18	57
FBgn0003345	sd	FBgn0000556	<b>Ef1alpha48D</b>	0	19 17 21	57
FBgn0003345	sd	FBgn0030699	<b>CG8578</b>	0	17 22 17	56
FBgn0003345	sd	FBgn0001233	<b>Hsp83</b>	0	10 15 14	39
FBgn0003345	sd	FBgn0003178	<b>PyK</b>	0	11 10 11	32
FBgn0003345	sd	FBgn0034577	<b>cpa</b>	0	10 13 9	32
FBgn0003345	sd	FBgn0002525	<b>Lam</b>	0	13 9 8	30
FBgn0003345	sd	FBgn0082582	<b>tmod</b>	0	9 11 8	28
FBgn0003345	sd	FBgn0004687	<b>Mlc-c</b>	0	8 8 11	27
FBgn0003345	sd	FBgn0003514	<b>sqh</b>	0	9 8 9	26
FBgn0003345	sd	FBgn0262603	<b>sec8</b>	0	11 3 12	26
FBgn0003345	sd	FBgn0003360	<b>sesB</b>	0	8 7 10	25
FBgn0003345	sd	FBgn0250789	<b>alpha-Spec</b>	0	5 10 8	23
FBgn0003345	sd	FBgn0035499	<b>Chd64</b>	0	8 6 8	22
FBgn0003345	sd	FBgn0000044	<b>Act57B</b>	0	6 7 6	19
FBgn0003345	sd	FBgn0032859	<b>Arc-p34</b>	0	3 9 4	16
FBgn0003345	sd	FBgn0011570	<b>cpb</b>	0	4 7 5	16
FBgn0003345	sd	FBgn0001216	<b>Hsc70-1</b>	0	5 4 5	14
FBgn0003345	sd	FBgn0262734	<b>Rbp2</b>	0	6 5 2	13
FBgn0003345	sd	FBgn0041180	<b>TepIV</b>	0	4 3 5	12
FBgn0003345	sd	FBgn0261710	<b>nocte</b>	0	3 3 6	12
FBgn0003345	sd	FBgn0003732	<b>Top2</b>	0	2 7 2	11
FBgn0003345	sd	FBgn0003676	<b>T-cp1</b>	0	4 3 4	11
FBgn0003345	sd	FBgn0001961	<b>Sop2</b>	0	3 4 4	11
FBgn0003345	sd	FBgn0003888	<b>betaTub60D</b>	0	2 4 4	10
FBgn0003345	sd	FBgn0011284	<b>RpS4</b>	0	4 3 3	10



## (A) entire PPIN

FBgn0003345	sd	FBgn0034743	<b>RpS16</b>	0	5 1 4	10
FBgn0003345	sd	FBgn0039757	<b>RpS7</b>	0	1 4 5	10
FBgn0003345	sd	FBgn0038145	<b>Droj2</b>	0	3 2 5	10
FBgn0003345	sd	FBgn0263231	<b>bel</b>	0	3 6 1	10
FBgn0003345	sd	FBgn0001942	<b>eIF-4a</b>	0	5 3 2	10
FBgn0003345	sd	FBgn0011742	<b>Arp14D</b>	0	3 3 3	9
FBgn0003345	sd	FBgn0015778	<b>rin</b>	0	3 3 3	9
FBgn0003345	sd	FBgn0002780	<b>mod</b>	0	2 4 3	9
FBgn0003345	sd	FBgn0010198	<b>RpS15Aa</b>	0	3 3 3	9
FBgn0003345	sd	FBgn0004403	<b>RpS14a</b>	0	2 3 4	9
FBgn0003345	sd	FBgn0003261	<b>Rm62</b>	0	1 6 2	9
FBgn0003345	sd	FBgn0053303	<b>CG33303</b>	0	3 3 2	8
FBgn0003345	sd	FBgn0003890	<b>betaTub97EF</b>	0	3 2 3	8
FBgn0003345	sd	FBgn0027066	<b>Eb1</b>	0	3 1 4	8
FBgn0003345	sd	FBgn0010078	<b>RpL23</b>	0	2 3 3	8
FBgn0003345	sd	FBgn0027932	<b>Akap200</b>	0	3 3 2	8
FBgn0003345	sd	FBgn0039300	<b>RpS27</b>	0	3 2 2	7
FBgn0003345	sd	FBgn0003941	<b>RpL40</b>	0	2 3 2	7
FBgn0003345	sd	FBgn0001215	<b>Hrb98DE</b>	0	1 3 3	7
FBgn0003345	sd	FBgn0025286	<b>RpL31</b>	0	2 2 2	6
FBgn0003345	sd	FBgn0029176	<b>Ef1gamma</b>	0	2 1 3	6
FBgn0003345	sd	FBgn0011692	<b>pav</b>	0	1 3 2	6
FBgn0003345	sd	FBgn0001217	<b>Hsc70-2</b>	0	2 2 2	6
FBgn0003345	sd	FBgn0001220	<b>Hsc70-5</b>	0	3 1 2	6
FBgn0003345	sd	FBgn0015756	<b>RpL9</b>	0	1 2 3	6
FBgn0003345	sd	FBgn0003022	<b>Ote</b>	0	2 3 1	6
FBgn0003345	sd	FBgn0000253	<b>Cam</b>	0	2 2 2	6
FBgn0003345	sd	FBgn0051363	<b>Jupiter</b>	0	1 2 2	5
FBgn0003345	sd	FBgn0030993	<b>Mec2</b>	0	2 1 2	5
FBgn0003345	sd	FBgn0031781	<b>Arc-p20</b>	0	2 1 2	5
FBgn0003345	sd	FBgn0004867	<b>RpS2</b>	0	3 2 0	5
FBgn0003345	sd	FBgn0031977	<b>baf</b>	0	2 1 2	5
FBgn0003345	sd	FBgn0002622	<b>RpS3</b>	0	3 1 1	5
FBgn0003345	sd	FBgn0035608	<b>blanks</b>	0	2 1 1	4
FBgn0003345	sd	FBgn0020279	<b>lig</b>	0	1 1 2	4
FBgn0003345	sd	FBgn0000559	<b>Ef2b</b>	0	0 2 2	4
FBgn0003345	sd	FBgn0017545	<b>RpS3A</b>	0	1 2 1	4
FBgn0003345	sd	FBgn0263391	<b>hts</b>	0	1 1 2	4
FBgn0003345	sd	FBgn0004167	<b>kst</b>	0	1 1 2	4
FBgn0003345	sd	FBgn0036213	<b>RpL10Ab</b>	0	1 2 1	4
FBgn0003345	sd	FBgn0033740	<b>dgt5</b>	0	2 1 1	4
FBgn0003345	sd	FBgn0261609	<b>eIF-2alpha</b>	0	1 2 1	4
FBgn0003345	sd	FBgn0027329	<b>Tcp-1zeta</b>	0	2 1 1	4
FBgn0003345	sd	FBgn0002645	<b>Map205</b>	0	2 1 1	4
FBgn0003345	sd	FBgn0040227	<b>eIF-3p66</b>	0	1 2 1	4
FBgn0003345	sd	FBgn0004237	<b>Hrb87F</b>	0	1 1 2	4
FBgn0003345	sd	FBgn0261593	<b>RpS10b</b>	0	1 1 1	3
FBgn0003345	sd	FBgn0030992	<b>CG33253</b>	0	1 1 1	3
FBgn0003345	sd	FBgn0083961	<b>CG34125</b>	0	1 1 1	3
FBgn0003345	sd	FBgn0261596	<b>RpS24</b>	0	1 1 1	3
FBgn0003345	sd	FBgn0005586	<b>Rab3</b>	0	1 1 1	3

## (A) entire PPIN

FBgn0003345	<b>sd</b>	FBgn0033890	<b>Ctf4</b>	0 1 1 1	3
FBgn0003345	<b>sd</b>	FBgn0033844	<b>bbc</b>	0 1 1 1	3
FBgn0003345	<b>sd</b>	FBgn0039562	<b>Gp93</b>	0 1 1 1	3
FBgn0003345	<b>sd</b>	FBgn0004907	<b>14-3-3zeta</b>	0 1 1 1	3
FBgn0003345	<b>sd</b>	FBgn0024987	<b>ssx</b>	0 1 1 1	3
FBgn0003345	<b>sd</b>	FBgn0001197	<b>His2Av</b>	0 1 1 1	3
FBgn0003345	<b>sd</b>	FBgn0026761	<b>Trap1</b>	0 1 1 1	3
FBgn0003345	<b>sd</b>	FBgn0011640	<b>lark</b>	0 1 1 1	3
FBgn0003345	<b>sd</b>	FBgn0028734	<b>Fmr1</b>	0 0 1 2	3
FBgn0003345	<b>sd</b>	FBgn0020910	<b>RpL3</b>	0 1 1 1	3
FBgn0003345	<b>sd</b>	FBgn0029093	<b>cathD</b>	0 1 1 1	3
FBgn0003345	<b>sd</b>	FBgn0031256	<b>CG4164</b>	0 1 0 2	3
FBgn0003345	<b>sd</b>	FBgn0010408	<b>RpS9</b>	0 1 1 1	3
FBgn0003345	<b>sd</b>	FBgn0250814	<b>CG4169</b>	0 2 1 0	3
FBgn0003345	<b>sd</b>	FBgn0011211	<b>blw</b>	0 2 1 0	3
FBgn0003345	<b>sd</b>	FBgn0005533	<b>RpS17</b>	0 1 1 1	3
FBgn0003345	<b>sd</b>	FBgn0032393	<b>CG12264</b>	0 1 1 1	3
FBgn0003345	<b>sd</b>	FBgn0029979	<b>CG10777</b>	0 1 1 1	3
FBgn0003345	<b>sd</b>	FBgn0011710	<b>Sep1</b>	0 2 1 0	3
FBgn0003345	<b>sd</b>	FBgn0033204	<b>CG2065</b>	0 1 1 1	3
FBgn0003345	<b>sd</b>	FBgn0015797	<b>Rab6</b>	0 1 1 1	3
FBgn0003345	<b>sd</b>	FBgn0013325	<b>RpL11</b>	0 1 1 1	3
FBgn0003345	<b>sd</b>	FBgn0040286	<b>SC35</b>	0 1 1 1	3
FBgn0003345	<b>sd</b>	FBgn0261619	<b>pAbp</b>	0 0 2 1	3
FBgn0003345	<b>sd</b>	FBgn0000319	<b>Chc</b>	0 0 2 1	3
FBgn0003345	<b>sd</b>	FBgn0038247	<b>Cad88C</b>	0 0 1 1	2
FBgn0003345	<b>sd</b>	FBgn0014189	<b>Hel25E</b>	0 0 1 1	2
FBgn0003345	<b>sd</b>	FBgn0016726	<b>RpL29</b>	0 1 0 1	2
FBgn0003345	<b>sd</b>	FBgn0028737	<b>Ef1beta</b>	0 1 0 1	2
FBgn0003345	<b>sd</b>	FBgn0263396	<b>sqd</b>	0 0 2 0	2
FBgn0003345	<b>sd</b>	FBgn0261606	<b>RpL27A</b>	0 0 1 1	2
FBgn0003345	<b>sd</b>	FBgn0037607	<b>CG8036</b>	0 1 1 0	2
FBgn0003345	<b>sd</b>	FBgn0030322	<b>CG15220</b>	0 0 1 1	2
FBgn0003345	<b>sd</b>	FBgn0037046	<b>CG10581</b>	0 0 1 1	2
FBgn0003345	<b>sd</b>	FBgn0029118	<b>Sucb</b>	0 1 1 0	2
FBgn0003345	<b>sd</b>	FBgn0015905	<b>ast</b>	0 0 1 1	2
FBgn0003345	<b>sd</b>	FBgn0004432	<b>Cyp1</b>	0 0 1 1	2
FBgn0003345	<b>sd</b>	FBgn0023521	<b>CG3587</b>	0 0 1 1	2
FBgn0003345	<b>sd</b>	FBgn0028687	<b>Rpt1</b>	0 1 0 1	2
FBgn0003345	<b>sd</b>	FBgn0086904	<b>Nacalalpha</b>	0 0 1 1	2
FBgn0003345	<b>sd</b>	FBgn0000100	<b>RpLP0</b>	0 0 1 1	2
FBgn0003345	<b>sd</b>	FBgn0004828	<b>His3.3B</b>	0 1 0 1	2
FBgn0003345	<b>sd</b>	FBgn0262601	<b>SmB</b>	0 0 1 1	2
FBgn0003345	<b>sd</b>	FBgn0022774	<b>Oat</b>	0 0 1 1	2
FBgn0003345	<b>sd</b>	FBgn0002579	<b>RpL36</b>	0 1 1 0	2
FBgn0003345	<b>sd</b>	FBgn0004363	<b>porin</b>	0 1 1 0	2
FBgn0003345	<b>sd</b>	FBgn0030479	<b>Rbp1-like</b>	0 0 1 1	2
FBgn0003345	<b>sd</b>	FBgn0020255	<b>ran</b>	0 1 1 0	2
FBgn0003345	<b>sd</b>	FBgn0028969	<b>deltaCOP</b>	0 0 1 1	2
FBgn0003345	<b>sd</b>	FBgn0032482	<b>Pect</b>	0 0 0 1	1
FBgn0003345	<b>sd</b>	FBgn0001330	<b>kz</b>	0 0 1 0	1

## (A) entire PPIN

FBgn0003345	sd	FBgn0263510	nclb	0	0 1 0	1
FBgn0003345	sd	FBgn0051344	CG31344	0	0 0 1	1
FBgn0003345	sd	FBgn0000412	D1	0	0 1 0	1
FBgn0003345	sd	FBgn0038766	CG4854	0	0 0 1	1
FBgn0003345	sd	FBgn0040022	CG40351	0	1 0 0	1
FBgn0003345	sd	FBgn0052580	Muc14A	0	0 1 0	1
FBgn0003345	sd	FBgn0035987	CG3689	0	1 0 0	1
FBgn0003345	sd	FBgn0023512	eIF2B-epsilon	0	0 0 1	1
FBgn0003345	sd	FBgn0262735	Imp	0	0 0 1	1
FBgn0003345	sd	FBgn0002466	sti	0	0 0 1	1
FBgn0003345	sd	FBgn0039487	gb	0	0 1 0	1
FBgn0003345	sd	FBgn0260462	CG12163	0	0 0 1	1
FBgn0003345	sd	FBgn0039594	CG9990	0	0 0 1	1
FBgn0003345	sd	FBgn0027088	Aats-gly	0	0 0 1	1
FBgn0003345	sd	FBgn0027494	RpS10a	0	0 0 1	1
FBgn0003345	sd	FBgn0039776	PH4alphaEFB	0	0 1 0	1
FBgn0003345	sd	FBgn0030692	mRpS30	0	1 0 0	1
FBgn0003345	sd	FBgn0000181	bic	0	0 0 1	1
FBgn0003345	sd	FBgn0046214	vig2	0	0 1 0	1
FBgn0003345	sd	FBgn0030672	CG9281	0	0 1 0	1
FBgn0003345	sd	FBgn0004227	nonA	0	0 1 0	1
FBgn0003345	sd	FBgn0010621	Cct5	0	1 0 0	1
FBgn0003345	sd	FBgn0033767	CG13148	0	1 0 0	1
FBgn0003345	sd	FBgn0015278	Pi3K68D	0	0 0 1	1
FBgn0003345	sd	FBgn0042134	Capr	0	0 1 0	1
FBgn0003345	sd	FBgn0031319	CG4896	0	1 0 0	1
FBgn0003345	sd	FBgn0024177	zpg	0	0 0 1	1
FBgn0003345	sd	FBgn0010438	mtSSB	0	0 1 0	1
FBgn0003345	sd	FBgn0034968	RpL12	0	1 0 0	1
FBgn0003345	sd	FBgn0263347	Caf1	0	0 0 1	1
FBgn0003345	sd	FBgn0033342	CG8258	0	1 0 0	1
FBgn0003345	sd	FBgn0031066	CG14235	0	0 0 1	1
FBgn0003345	sd	FBgn0039663	CG2321	0	0 1 0	1
FBgn0003345	sd	FBgn0039784	CG9698	0	0 0 1	1
FBgn0003345	sd	FBgn0001230	Hsp68	0	1 0 0	1
FBgn0003345	sd	FBgn0035010	CG13579	0	0 1 0	1
FBgn0003345	sd	FBgn0033062	Ars2	0	1 0 0	1
FBgn0003345	sd	FBgn0051159	EF-G2	0	1 0 0	1
FBgn0003345	sd	FBgn0019990	Gcn2	0	1 0 0	1
FBgn0003345	sd	FBgn0035262	CG18171	0	0 1 0	1
FBgn0003345	sd	FBgn0011204	cue	0	0 1 0	1
FBgn0003345	sd	FBgn0261592	RpS6	0	0 0 1	1
FBgn0003345	sd	FBgn0036341	Syx13	0	0 1 0	1
FBgn0003345	sd	FBgn0037728	CG16817	0	0 0 1	1
FBgn0003345	sd	FBgn0031260	Spp	0	0 1 0	1
FBgn0003345	sd	FBgn0030504	CG2691	0	0 0 1	1
FBgn0003345	sd	FBgn0013810	Dhc36C	0	0 0 1	1
FBgn0003345	sd	FBgn0016693	Past1	0	0 1 0	1
FBgn0003345	sd	FBgn0031610	CG15436	0	1 0 0	1
FBgn0003345	sd	FBgn0029685	CG2938	0	0 1 0	1
FBgn0003345	sd	FBgn0000579	Eno	0	0 0 1	1

## (A) entire PPIN

FBgn0003345	<b>sd</b>	FBgn0011726	<b>tsr</b>	0 0 0 1	1
FBgn0003345	<b>sd</b>	FBgn0037280	<b>CG1126</b>	0 1 0 0	1
FBgn0003345	<b>sd</b>	FBgn0259744	<b>CG42377</b>	0 0 0 1	1
FBgn0003345	<b>sd</b>	FBgn0040207	<b>kat80</b>	0 1 0 0	1
FBgn0003345	<b>sd</b>	FBgn0035811	<b>CG12262</b>	0 0 1 0	1
FBgn0003345	<b>sd</b>	FBgn0033755	<b>CIC-b</b>	0 0 1 0	1
FBgn0003345	<b>sd</b>	FBgn0015240	<b>Hr96</b>	0 1 0 0	1
FBgn0003345	<b>sd</b>	FBgn0029105	<b>alpha-catenin-</b>	0 0 1 0	1
FBgn0003345	<b>sd</b>	FBgn0032518	<b>RpL24</b>	0 0 0 1	1
FBgn0003345	<b>sd</b>	FBgn0261599	<b>RpS29</b>	0 1 0 0	1
FBgn0003345	<b>sd</b>	FBgn0000308	<b>chic</b>	0 0 0 1	1
FBgn0003345	<b>sd</b>	FBgn0013770	<b>Cp1</b>	0 0 0 1	1
FBgn0003345	<b>sd</b>	FBgn0027338	<b>Kap-alpha3</b>	0 0 0 1	1
FBgn0003345	<b>sd</b>	FBgn0086710	<b>RpL30</b>	0 0 1 0	1
FBgn0003345	<b>sd</b>	FBgn0040011	<b>CG17494</b>	0 0 0 1	1
FBgn0003345	<b>sd</b>	FBgn0263594	<b>lost</b>	0 0 1 0	1
FBgn0003345	<b>sd</b>	FBgn0028554	<b>x16</b>	0 0 1 0	1
FBgn0003345	<b>sd</b>	FBgn0087035	<b>AGO2</b>	0 0 0 1	1
FBgn0003345	<b>sd</b>	FBgn0028499	<b>CG7985</b>	0 1 0 0	1
FBgn0003345	<b>sd</b>	FBgn0035753	<b>RpL18</b>	0 0 1 0	1
FBgn0003345	<b>sd</b>	FBgn0013726	<b>pnut</b>	0 1 0 0	1
FBgn0003345	<b>sd</b>	FBgn0031169	<b>CG1494</b>	0 0 1 0	1
FBgn0003345	<b>sd</b>	FBgn0038400	<b>CG5903</b>	0 1 0 0	1
FBgn0003345	<b>sd</b>	FBgn0010352	<b>Nc73EF</b>	0 1 0 0	1
FBgn0003345	<b>sd</b>	FBgn0000258	<b>Ckl1alpha</b>	0 1 0 0	1
FBgn0003345	<b>sd</b>	FBgn0025865	<b>Cortactin</b>	0 0 1 0	1
FBgn0003345	<b>sd</b>	FBgn0041087	<b>wun2</b>	0 0 1 0	1
FBgn0003345	<b>sd</b>	FBgn0014026	<b>RpL7A</b>	0 0 1 0	1
FBgn0003345	<b>sd</b>	FBgn0014141	<b>cher</b>	0 0 1 0	1
FBgn0003345	<b>sd</b>	FBgn0028327	<b>I(1)G0320</b>	0 1 0 0	1
FBgn0003345	<b>sd</b>	FBgn0031422	<b>CG9870</b>	0 0 1 0	1
FBgn0003345	<b>sd</b>	FBgn0003279	<b>RpL4</b>	0 0 1 0	1
FBgn0003345	<b>sd</b>	FBgn0261014	<b>TER94</b>	0 0 1 0	1
FBgn0003345	<b>sd</b>	FBgn0033663	<b>ERp60</b>	0 0 1 0	1
FBgn0003345	<b>sd</b>	FBgn0005390	<b>fs(1)M3</b>	0 0 0 1	1
FBgn0003345	<b>sd</b>	FBgn0030886	<b>CG12672</b>	0 0 0 1	1
FBgn0003345	<b>sd</b>	FBgn0032444	<b>CG5525</b>	0 0 1 0	1
FBgn0003345	<b>sd</b>	FBgn0259734	<b>CG42388</b>	0 0 1 0	1
FBgn0003345	<b>sd</b>	FBgn0031463	<b>CG15400</b>	0 0 1 0	1
FBgn0003345	<b>sd</b>	FBgn0051926	<b>CG31926</b>	0 1 0 0	1
FBgn0003345	<b>sd</b>	FBgn0036663	<b>CG9674</b>	0 0 0 1	1
FBgn0003345	<b>sd</b>	FBgn0032961	<b>CG1416</b>	0 0 1 0	1
FBgn0003345	<b>sd</b>	FBgn0024509	<b>sec13</b>	0 0 1 0	1
FBgn0003345	<b>sd</b>	FBgn0036652	<b>CG13032</b>	0 1 0 0	1
FBgn0003345	<b>sd</b>	FBgn0064225	<b>RpL5</b>	0 0 1 0	1
FBgn0003345	<b>sd</b>	FBgn0010391	<b>Gtp-bp</b>	0 0 1 0	1
FBgn0003345	<b>sd</b>	FBgn0037230	<b>CG9780</b>	0 0 1 0	1
FBgn0003345	<b>sd</b>	FBgn0033540	<b>Elp2</b>	0 0 0 1	1
FBgn0003345	<b>sd</b>	FBgn0034585	<b>CG4030</b>	0 0 1 0	1
FBgn0003345	<b>sd</b>	FBgn0032512	<b>CG9305</b>	0 0 1 0	1
FBgn0053193	<b>sav</b>	FBgn0261456	<b>hpo</b>	1 42 47 50	139

## (A) entire PPIN

FBgn0053193 sav	FBgn0030734 <b>CG9911</b>	1 38 40 34	112
FBgn0053193 sav	FBgn0031093 <b>CG9581</b>	1 37 37 38	112
FBgn0053193 sav	FBgn0028331 <b>I(1)G0289</b>	1 18 22 23	63
FBgn0053193 sav	FBgn0020255 <b>ran</b>	<b>0.95</b> 4 7 7	18
FBgn0053193 sav	FBgn0004638 <b>drk</b>	<b>0.95</b> 4 4 5	13
FBgn0053193 sav	FBgn0015019 <b>Cctgamma</b>	<b>0.9</b> 3 4 4	11
FBgn0053193 sav	FBgn0003517 <b>sta</b>	<b>0.9</b> 3 4 3	10
FBgn0053193 sav	FBgn0010348 <b>Arf79F</b>	<b>0.88</b> 7 4 4	15
FBgn0053193 sav	FBgn0033264 <b>Nup50</b>	<b>0.88</b> 4 3 3	10
FBgn0053193 sav	FBgn0013770 <b>Cp1</b>	<b>0.81</b> 2 3 4	9
FBgn0053193 sav	FBgn0263598 <b>Vha68-2</b>	<b>0.79</b> 2 3 3	8
FBgn0053193 sav	FBgn0039776 <b>PH4alphaEFB</b>	<b>0.72</b> 5 7 4	16
FBgn0053193 sav	FBgn0263006 <b>Ca-P60A</b>	<b>0.7</b> 2 5 5	12
FBgn0053193 sav	FBgn0000317 <b>ck</b>	<b>0.66</b> 6 6 1	13
FBgn0053193 sav	FBgn0003600 <b>Su(var)3-9</b>	<b>0.6</b> 2 2 3	7
FBgn0053193 sav	FBgn0010551 <b>I(2)03709</b>	<b>0.6</b> 2 3 1	6
FBgn0053193 sav	FBgn0010246 <b>Myo61F</b>	<b>0.59</b> 13 10 5	28
FBgn0053193 sav	FBgn0025352 <b>Thiolase</b>	<b>0.59</b> 4 4 0	8
FBgn0053193 sav	FBgn0040007 <b>RpL38</b>	<b>0.59</b> 1 3 2	6
FBgn0053193 sav	FBgn0024556 <b>EfTuM</b>	<b>0.56</b> 1 4 5	10
FBgn0053193 sav	FBgn0261397 <b>didum</b>	<b>0.54</b> 9 13 11	33
FBgn0053193 sav	FBgn0000253 <b>Cam</b>	<b>0.54</b> 5 6 3	14
FBgn0053193 sav	FBgn0010621 <b>Cct5</b>	<b>0.54</b> 1 4 5	10
FBgn0053193 sav	FBgn0262127 <b>kibra</b>	<b>0.54</b> 4 1 4	9
FBgn0053193 sav	FBgn0028479 <b>CG4389</b>	<b>0.53</b> 3 4 2	9
FBgn0053193 sav	FBgn0028734 <b>Fmr1</b>	<b>0.48</b> 9 7 7	23
FBgn0053193 sav	FBgn0037312 <b>CG11999</b>	<b>0.48</b> 2 2 1	5
FBgn0053193 sav	FBgn0003261 <b>Rm62</b>	<b>0.45</b> 10 12 10	32
FBgn0053193 sav	FBgn0046214 <b>vig2</b>	<b>0.42</b> 4 5 5	14
FBgn0053193 sav	FBgn0261014 <b>TER94</b>	<b>0.42</b> 3 1 2	6
FBgn0053193 sav	FBgn0038805 <b>TFAM</b>	<b>0.4</b> 4 5 3	12
FBgn0053193 sav	FBgn0022959 <b>yps</b>	<b>0.39</b> 1 3 4	8
FBgn0053193 sav	FBgn0263106 <b>DnaJ-1</b>	<b>0.36</b> 4 3 3	10
FBgn0053193 sav	FBgn0011571 <b>caz</b>	<b>0.36</b> 0 3 1	4
FBgn0053193 sav	FBgn0086443 <b>Aats-asn</b>	<b>0.36</b> 2 2 0	4
FBgn0053193 sav	FBgn0032987 <b>RpL21</b>	<b>0.36</b> 3 0 1	4
FBgn0053193 sav	FBgn0087035 <b>AGO2</b>	<b>0.35</b> 8 6 4	18
FBgn0053193 sav	FBgn0037719 <b>bocksbeutel</b>	<b>0.35</b> 7 3 4	14
FBgn0053193 sav	FBgn0004378 <b>Klp61F</b>	<b>0.35</b> 1 2 1	4
FBgn0053193 sav	FBgn0053303 <b>CG33303</b>	<b>0.34</b> 7 11 6	24
FBgn0053193 sav	FBgn0035811 <b>CG12262</b>	<b>0.33</b> 3 1 3	7
FBgn0053193 sav	FBgn0064225 <b>RpL5</b>	<b>0.32</b> 3 2 2	7
FBgn0053193 sav	FBgn0033062 <b>Ars2</b>	<b>0.31</b> 3 2 2	7
FBgn0053193 sav	FBgn0020618 <b>Rack1</b>	<b>0.3</b> 0 3 4	7
FBgn0053193 sav	FBgn0032393 <b>CG12264</b>	<b>0.3</b> 2 1 0	3
FBgn0053193 sav	FBgn0015282 <b>Pros26.4</b>	<b>0.29</b> 1 2 0	3
FBgn0053193 sav	FBgn0039635 <b>CG11876</b>	<b>0.28</b> 0 0 3	3
FBgn0053193 sav	FBgn0024733 <b>RpL10</b>	<b>0.27</b> 1 2 0	3
FBgn0053193 sav	FBgn0032444 <b>CG5525</b>	<b>0.26</b> 3 5 5	13
FBgn0053193 sav	FBgn0037607 <b>CG8036</b>	<b>0.26</b> 0 0 3	3
FBgn0053193 sav	FBgn0026409 <b>Mpcp</b>	<b>0.25</b> 2 2 2	6

## (A) entire PPIN

FBgn0053193 sav	FBgn0061200 <b>Nup153</b>	0.24	2 3 2	7
FBgn0053193 sav	FBgn0039359 <b>RpL27</b>	0.24	2 1 0	3
FBgn0053193 sav	FBgn0003279 <b>RpL4</b>	0.24	2 0 1	3
FBgn0053193 sav	FBgn0027084 <b>Aats-lys</b>	0.21	0 1 2	3
FBgn0053193 sav	FBgn0002031 <b>I(2)37Cc</b>	0.21	0 2 0	2
FBgn0053193 sav	FBgn0003022 <b>Ote</b>	0.19	11 6 8	25
FBgn0053193 sav	FBgn0023167 <b>SmD3</b>	0.19	0 2 0	2
FBgn0053193 sav	FBgn0263510 <b>nclb</b>	0.18	1 2 0	3
FBgn0053193 sav	FBgn0039713 <b>RpS8</b>	0.18	1 2 0	3
FBgn0053193 sav	FBgn0004227 <b>nonA</b>	0.17	5 4 3	12
FBgn0053193 sav	FBgn0015756 <b>RpL9</b>	0.17	2 6 3	11
FBgn0053193 sav	FBgn0041775 <b>tral</b>	0.17	1 3 2	6
FBgn0053193 sav	FBgn0039302 <b>Nup358</b>	0.17	1 1 2	4
FBgn0053193 sav	FBgn0032731 <b>CG10641</b>	0.16	7 5 5	17
FBgn0053193 sav	FBgn0030086 <b>CG7033</b>	0.16	1 2 3	6
FBgn0053193 sav	FBgn0263594 <b>lost</b>	0.15	2 0 1	3
FBgn0053193 sav	FBgn0032961 <b>CG1416</b>	0.14	0 2 0	2
FBgn0053193 sav	FBgn0021795 <b>Tapdelta</b>	0.13	2 1 2	5
FBgn0053193 sav	FBgn0031799 <b>Pez</b>	0.12	0 2 0	2
FBgn0053193 sav	FBgn0010411 <b>RpS18</b>	0.1	2 2 2	6
FBgn0053193 sav	FBgn0010352 <b>Nc73EF</b>	0.1	1 1 2	4
FBgn0053193 sav	FBgn0086656 <b>shrb</b>	0.09	2 2 2	6
FBgn0053193 sav	FBgn0036702 <b>CG6512</b>	0.09	0 2 0	2
FBgn0053193 sav	FBgn0019936 <b>RpS20</b>	0.08	3 5 4	12
FBgn0053193 sav	FBgn0015268 <b>Nap1</b>	0.08	3 0 1	4
FBgn0053193 sav	FBgn0086347 <b>Myo31DF</b>	0.07	2 0 2	4
FBgn0053193 sav	FBgn0037643 <b>skap</b>	0.07	1 2 1	4
FBgn0053193 sav	FBgn0086710 <b>RpL30</b>	0.06	2 2 2	6
FBgn0053193 sav	FBgn0013269 <b>FK506-bp1</b>	0.06	1 1 3	5
FBgn0053193 sav	FBgn0022288 <b>I(2)09851</b>	0.06	0 2 0	2
FBgn0053193 sav	FBgn0262716 <b>Arp66B</b>	0.05	4 6 4	14
FBgn0053193 sav	FBgn0250814 <b>CG4169</b>	0.04	6 6 4	16
FBgn0053193 sav	FBgn0013981 <b>His4r</b>	0.04	3 2 1	6
FBgn0053193 sav	FBgn0027329 <b>Tcp-1zeta</b>	0.03	3 3 4	10
FBgn0053193 sav	FBgn0024308 <b>Smr</b>	0.03	1 2 0	3
FBgn0053193 sav	FBgn0053868 <b>His2B:CG3386</b>	0.03	2 0 0	2
FBgn0053193 sav	FBgn0004888 <b>Scsalpha</b>	0.02	4 3 6	13
FBgn0053193 sav	FBgn0025286 <b>RpL31</b>	0.02	2 2 3	7
FBgn0053193 sav	FBgn0017545 <b>RpS3A</b>	0.02	1 1 3	5
FBgn0053193 sav	FBgn0010265 <b>RpS13</b>	0.02	1 2 1	4
FBgn0053193 sav	FBgn0005674 <b>Aats-glupro</b>	0.02	1 2 1	4
FBgn0053193 sav	FBgn0028695 <b>Rpn1</b>	0.02	2 1 0	3
FBgn0053193 sav	FBgn0015589 <b>Apc</b>	0.02	0 0 2	2
FBgn0053193 sav	FBgn0034968 <b>RpL12</b>	0.01	3 3 2	8
FBgn0053193 sav	FBgn0001217 <b>Hsc70-2</b>	0.01	2 2 2	6
FBgn0053193 sav	FBgn0035589 <b>CHMP2B</b>	0.01	2 1 2	5
FBgn0053193 sav	FBgn0024987 <b>ssx</b>	0.01	1 3 0	4
FBgn0053193 sav	FBgn0039580 <b>Gfat2</b>	0.01	2 0 0	2
FBgn0053193 sav	FBgn0005634 <b>zip</b>	0	213 232 223	668
FBgn0053193 sav	FBgn0001219 <b>Hsc70-4</b>	0	41 42 43	126
FBgn0053193 sav	FBgn0000042 <b>Act5C</b>	0	42 40 43	125

## (A) entire PPIN

FBgn0053193 sav	FBgn0000556 <b>Ef1alpha48D</b>	0 33 35 32	100
FBgn0053193 sav	FBgn0002525 <b>Lam</b>	0 31 30 27	88
FBgn0053193 sav	FBgn0001218 <b>Hsc70-3</b>	0 28 25 25	78
FBgn0053193 sav	FBgn0003887 <b>betaTub56D</b>	0 21 26 26	73
FBgn0053193 sav	FBgn0003884 <b>alphaTub84B</b>	0 21 22 25	68
FBgn0053193 sav	FBgn0003178 <b>PyK</b>	0 21 18 21	60
FBgn0053193 sav	FBgn0000709 <b>fil1</b>	0 22 20 13	55
FBgn0053193 sav	FBgn0003721 <b>Tm1</b>	0 21 17 12	50
FBgn0053193 sav	FBgn0030699 <b>CG8578</b>	0 20 13 14	47
FBgn0053193 sav	FBgn0263231 <b>bel</b>	0 17 9 10	36
FBgn0053193 sav	FBgn0039757 <b>RpS7</b>	0 11 12 10	33
FBgn0053193 sav	FBgn0034577 <b>cpa</b>	0 10 11 12	33
FBgn0053193 sav	FBgn0003360 <b>sesB</b>	0 11 9 11	31
FBgn0053193 sav	FBgn0002622 <b>RpS3</b>	0 11 11 8	30
FBgn0053193 sav	FBgn0004687 <b>Mlc-c</b>	0 9 10 10	29
FBgn0053193 sav	FBgn0001942 <b>eIF-4a</b>	0 8 11 9	28
FBgn0053193 sav	FBgn0003676 <b>T-cp1</b>	0 7 8 11	26
FBgn0053193 sav	FBgn0038145 <b>Droj2</b>	0 8 9 9	26
FBgn0053193 sav	FBgn0031977 <b>baf</b>	0 10 8 8	26
FBgn0053193 sav	FBgn0037891 <b>CG5214</b>	0 10 8 7	25
FBgn0053193 sav	FBgn0010217 <b>ATPsyn-beta</b>	0 9 10 5	24
FBgn0053193 sav	FBgn0029176 <b>Ef1gamma</b>	0 8 7 8	23
FBgn0053193 sav	FBgn0250789 <b>alpha-Spec</b>	0 11 7 5	23
FBgn0053193 sav	FBgn0000044 <b>Act57B</b>	0 9 6 8	23
FBgn0053193 sav	FBgn0035499 <b>Chd64</b>	0 5 10 8	23
FBgn0053193 sav	FBgn0011211 <b>blw</b>	0 6 9 8	23
FBgn0053193 sav	FBgn0001233 <b>Hsp83</b>	0 4 8 10	22
FBgn0053193 sav	FBgn0261710 <b>nocte</b>	0 6 5 9	20
FBgn0053193 sav	FBgn0001220 <b>Hsc70-5</b>	0 8 2 8	18
FBgn0053193 sav	FBgn0011284 <b>RpS4</b>	0 6 5 7	18
FBgn0053193 sav	FBgn0261619 <b>pAbp</b>	0 6 3 9	18
FBgn0053193 sav	FBgn0027066 <b>Eb1</b>	0 7 5 5	17
FBgn0053193 sav	FBgn0034743 <b>RpS16</b>	0 4 7 5	16
FBgn0053193 sav	FBgn0011570 <b>cpb</b>	0 6 4 6	16
FBgn0053193 sav	FBgn0082582 <b>tmod</b>	0 4 6 4	14
FBgn0053193 sav	FBgn0263396 <b>sqd</b>	0 4 5 4	13
FBgn0053193 sav	FBgn0262734 <b>Rbp2</b>	0 4 4 5	13
FBgn0053193 sav	FBgn0002645 <b>Map205</b>	0 3 6 4	13
FBgn0053193 sav	FBgn0015778 <b>rin</b>	0 5 3 4	12
FBgn0053193 sav	FBgn0031256 <b>CG4164</b>	0 5 5 2	12
FBgn0053193 sav	FBgn0010078 <b>RpL23</b>	0 3 4 5	12
FBgn0053193 sav	FBgn0001216 <b>Hsc70-1</b>	0 4 4 4	12
FBgn0053193 sav	FBgn0039697 <b>CG7834</b>	0 4 3 4	11
FBgn0053193 sav	FBgn0027932 <b>Akap200</b>	0 4 4 3	11
FBgn0053193 sav	FBgn0004403 <b>RpS14a</b>	0 4 4 3	11
FBgn0053193 sav	FBgn0261593 <b>RpS10b</b>	0 3 3 4	10
FBgn0053193 sav	FBgn0015834 <b>Trip1</b>	0 3 3 4	10
FBgn0053193 sav	FBgn0002780 <b>mod</b>	0 3 4 3	10
FBgn0053193 sav	FBgn0086904 <b>Nacalpa</b>	0 3 3 3	9
FBgn0053193 sav	FBgn0000258 <b>Ckl1alpha</b>	0 2 4 3	9
FBgn0053193 sav	FBgn0034970 <b>yki</b>	0 3 2 3	8

## (A) entire PPIN

FBgn0053193 sav	FBgn0003890 <b>betaTub97EF</b>	0 2 3 3	8
FBgn0053193 sav	FBgn0011225 <b>jar</b>	0 2 4 2	8
FBgn0053193 sav	FBgn0028327 <b>I(1)G0320</b>	0 4 1 3	8
FBgn0053193 sav	FBgn0014189 <b>Hel25E</b>	0 2 3 2	7
FBgn0053193 sav	FBgn0051363 <b>Jupiter</b>	0 2 4 1	7
FBgn0053193 sav	FBgn0032859 <b>Arc-p34</b>	0 3 2 2	7
FBgn0053193 sav	FBgn0010198 <b>RpS15Aa</b>	0 3 2 2	7
FBgn0053193 sav	FBgn0013325 <b>RpL11</b>	0 1 2 4	7
FBgn0053193 sav	FBgn0039300 <b>RpS27</b>	0 2 2 2	6
FBgn0053193 sav	FBgn0035608 <b>blanks</b>	0 2 3 1	6
FBgn0053193 sav	FBgn0000181 <b>bic</b>	0 3 1 2	6
FBgn0053193 sav	FBgn0010408 <b>RpS9</b>	0 2 2 2	6
FBgn0053193 sav	FBgn0261609 <b>eIF-2alpha</b>	0 2 2 2	6
FBgn0053193 sav	FBgn0040227 <b>eIF-3p66</b>	0 1 2 3	6
FBgn0053193 sav	FBgn0028737 <b>Ef1beta</b>	0 2 2 1	5
FBgn0053193 sav	FBgn0003888 <b>betaTub60D</b>	0 0 3 2	5
FBgn0053193 sav	FBgn0001961 <b>Sop2</b>	0 2 2 1	5
FBgn0053193 sav	FBgn0029093 <b>cathD</b>	0 2 0 3	5
FBgn0053193 sav	FBgn0030993 <b>Mec2</b>	0 2 2 1	5
FBgn0053193 sav	FBgn0036213 <b>RpL10Ab</b>	0 2 1 2	5
FBgn0053193 sav	FBgn0004867 <b>RpS2</b>	0 1 0 4	5
FBgn0053193 sav	FBgn0003941 <b>RpL40</b>	0 2 1 2	5
FBgn0053193 sav	FBgn0003514 <b>sqh</b>	0 1 3 0	4
FBgn0053193 sav	FBgn0011742 <b>Arp14D</b>	0 1 2 1	4
FBgn0053193 sav	FBgn0000173 <b>ben</b>	0 1 1 2	4
FBgn0053193 sav	FBgn0031781 <b>Arc-p20</b>	0 1 2 1	4
FBgn0053193 sav	FBgn0004363 <b>porin</b>	0 2 1 1	4
FBgn0053193 sav	FBgn0004237 <b>Hrb87F</b>	0 2 1 1	4
FBgn0053193 sav	FBgn0000319 <b>Chc</b>	0 1 2 1	4
FBgn0053193 sav	FBgn0039129 <b>RpS19b</b>	0 1 1 1	3
FBgn0053193 sav	FBgn0034138 <b>RpS15</b>	0 1 1 1	3
FBgn0053193 sav	FBgn0037632 <b>Tcp-1eta</b>	0 1 1 1	3
FBgn0053193 sav	FBgn0035987 <b>CG3689</b>	0 1 1 1	3
FBgn0053193 sav	FBgn0005586 <b>Rab3</b>	0 1 1 1	3
FBgn0053193 sav	FBgn0027494 <b>RpS10a</b>	0 1 1 1	3
FBgn0053193 sav	FBgn0028470 <b>Patr-1</b>	0 1 1 1	3
FBgn0053193 sav	FBgn0033844 <b>bbc</b>	0 1 1 1	3
FBgn0053193 sav	FBgn0030672 <b>CG9281</b>	0 1 1 1	3
FBgn0053193 sav	FBgn0029118 <b>Sucb</b>	0 1 1 1	3
FBgn0053193 sav	FBgn0026761 <b>Trap1</b>	0 1 1 1	3
FBgn0053193 sav	FBgn0039229 <b>Saf-B</b>	0 1 1 1	3
FBgn0053193 sav	FBgn0031066 <b>CG14235</b>	0 1 1 1	3
FBgn0053193 sav	FBgn0010173 <b>RpA-70</b>	0 2 1 0	3
FBgn0053193 sav	FBgn0025885 <b>Inos</b>	0 1 1 1	3
FBgn0053193 sav	FBgn0035033 <b>CG3548</b>	0 1 1 1	3
FBgn0053193 sav	FBgn0011726 <b>tsr</b>	0 1 1 1	3
FBgn0053193 sav	FBgn0000043 <b>Act42A</b>	0 1 1 1	3
FBgn0053193 sav	FBgn0014029 <b>Sep2</b>	0 0 2 1	3
FBgn0053193 sav	FBgn0011710 <b>Sep1</b>	0 0 1 2	3
FBgn0053193 sav	FBgn0001315 <b>kl-5</b>	0 1 1 1	3
FBgn0053193 sav	FBgn0004401 <b>Pep</b>	0 1 1 1	3



## (A) entire PPIN

FBgn0053193 sav	FBgn0015797 <b>Rab6</b>	0 1 1 1	3
FBgn0053193 sav	FBgn0034237 <b>eIF3-S9</b>	0 1 1 1	3
FBgn0053193 sav	FBgn0028969 <b>deltaCOP</b>	0 1 1 1	3
FBgn0053193 sav	FBgn0001215 <b>Hrb98DE</b>	0 1 0 2	3
FBgn0053193 sav	FBgn0011692 <b>pav</b>	0 1 0 1	2
FBgn0053193 sav	FBgn0261596 <b>RpS24</b>	0 1 1 0	2
FBgn0053193 sav	FBgn0000559 <b>Ef2b</b>	0 0 0 2	2
FBgn0053193 sav	FBgn0015245 <b>Hsp60</b>	0 0 1 1	2
FBgn0053193 sav	FBgn0011016 <b>SsRbeta</b>	0 0 1 1	2
FBgn0053193 sav	FBgn0039562 <b>Gp93</b>	0 1 1 0	2
FBgn0053193 sav	FBgn0005666 <b>bt</b>	0 0 0 2	2
FBgn0053193 sav	FBgn0035500 <b>ens</b>	0 1 1 0	2
FBgn0053193 sav	FBgn0028692 <b>Rpn2</b>	0 1 1 0	2
FBgn0053193 sav	FBgn0024183 <b>vig</b>	0 1 1 0	2
FBgn0053193 sav	FBgn0027598 <b>cindr</b>	0 1 1 0	2
FBgn0053193 sav	FBgn0026562 <b>BM-40-SPARC</b>	0 0 1 1	2
FBgn0053193 sav	FBgn0011640 <b>lark</b>	0 1 1 0	2
FBgn0053193 sav	FBgn0023517 <b>Pgam5</b>	0 1 1 0	2
FBgn0053193 sav	FBgn0263347 <b>Caf1</b>	0 1 0 1	2
FBgn0053193 sav	FBgn0262125 <b>sec23</b>	0 1 0 1	2
FBgn0053193 sav	FBgn0014009 <b>Rab2</b>	0 1 0 1	2
FBgn0053193 sav	FBgn0000100 <b>RpLP0</b>	0 1 1 0	2
FBgn0053193 sav	FBgn0010409 <b>RpL18A</b>	0 1 1 0	2
FBgn0053193 sav	FBgn0058042 <b>CG40042</b>	0 1 1 0	2
FBgn0053193 sav	FBgn0001092 <b>Gapdh2</b>	0 0 1 1	2
FBgn0053193 sav	FBgn0004167 <b>kst</b>	0 2 0 0	2
FBgn0053193 sav	FBgn0035872 <b>CG7185</b>	0 1 1 0	2
FBgn0053193 sav	FBgn0031437 <b>p16-ARC</b>	0 1 1 0	2
FBgn0053193 sav	FBgn0015795 <b>Rab7</b>	0 0 1 1	2
FBgn0053193 sav	FBgn0038742 <b>Arc42</b>	0 1 1 0	2
FBgn0053193 sav	FBgn0022343 <b>CG3760</b>	0 1 0 1	2
FBgn0053193 sav	FBgn0010909 <b>msn</b>	0 1 1 0	2
FBgn0053193 sav	FBgn0027338 <b>Kap-alpha3</b>	0 1 0 1	2
FBgn0053193 sav	FBgn0029897 <b>RpL17</b>	0 0 1 1	2
FBgn0053193 sav	FBgn0033889 <b>CG6701</b>	0 1 1 0	2
FBgn0053193 sav	FBgn0035753 <b>RpL18</b>	0 0 1 1	2
FBgn0053193 sav	FBgn0032363 <b>CG6509</b>	0 1 1 0	2
FBgn0053193 sav	FBgn0026372 <b>RpL23A</b>	0 1 0 1	2
FBgn0053193 sav	FBgn0038723 <b>CG6195</b>	0 0 1 1	2
FBgn0053193 sav	FBgn0014269 <b>prod</b>	0 1 0 1	2
FBgn0053193 sav	FBgn0034432 <b>CG7461</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0028979 <b>tio</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0032489 <b>CG15480</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0035260 <b>CG7991</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0020617 <b>Rx</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0030992 <b>CG33253</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0039286 <b>dan</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0041180 <b>TepIV</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0261790 <b>SmE</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0032303 <b>CG6508</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0086906 <b>sls</b>	0 0 0 1	1

## (A) entire PPIN

FBgn0053193 sav	FBgn0016700 <b>Rab1</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0261606 <b>RpL27A</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0034312 <b>CG10916</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0033504 <b>CAP</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0030293 <b>CG1737</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0038830 <b>CG17272</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0003732 <b>Top2</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0263706 <b>CG43658</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0026753 <b>Vha13</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0260462 <b>CG12163</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0063485 <b>Lasp</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0002431 <b>hyd</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0030322 <b>CG15220</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0011787 <b>mRpL12</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0050122 <b>CG30122</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0034259 <b>CG6459</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0037270 <b>CG9769</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0004907 <b>14-3-3zeta</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0261610 <b>CG42699</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0011286 <b>Rya-r44F</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0053555 <b>btsz</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0029785 <b>RpL35</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0033902 <b>Tango7</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0042134 <b>Capr</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0011272 <b>RpL13</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0010333 <b>Rac1</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0010412 <b>RpS19a</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0030716 <b>CG9170</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0034310 <b>Nup75</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0033352 <b>CG8232</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0015283 <b>Pros54</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0020910 <b>RpL3</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0023090 <b>dtr</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0263350 <b>alpha-Adaptin</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0033342 <b>CG8258</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0259139 <b>glo</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0030136 <b>RpS28b</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0261458 <b>capt</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0025457 <b>Bub3</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0051087 <b>CG31087</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0004649 <b>yl</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0037912 <b>sea</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0013988 <b>Strn-Mlck</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0086694 <b>Bre1</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0014133 <b>bif</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0033107 <b>koi</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0032833 <b>CG10664</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0029766 <b>CG15784</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0030000 <b>CG2260</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0030504 <b>CG2691</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0010516 <b>wal</b>	0 0 1 0	1

## (A) entire PPIN

FBgn0053193 sav	FBgn0033879 <b>CG6543</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0037601 <b>Cyp313b1</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0261259 <b>Fhos</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0263391 <b>hts</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0023458 <b>Rbcn-3A</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0261565 <b>Lmpt</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0000479 <b>dnc</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0038032 <b>CG10096</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0051122 <b>CG31122</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0030747 <b>CG4301</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0036977 <b>CG5665</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0035424 <b>CG11505</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0035600 <b>CG4769</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0032124 <b>CG17855</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0005533 <b>RpS17</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0028325 <b>I(1)G0334</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0031010 <b>CG8028</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0032518 <b>RpL24</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0023213 <b>eIF4G</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0033740 <b>dgt5</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0034181 <b>CG8963</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0025700 <b>CG5885</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0037756 <b>CG8507</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0015008 <b>Actn3</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0038909 <b>CG6569</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0021847 <b>I(2)k14710</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0262519 <b>Mi-2</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0013733 <b>shot</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0037934 <b>CG6830</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0262603 <b>sec8</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0013576 <b>I(3)82Fd</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0037897 <b>CG5270</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0032035 <b>CG13393</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0013756 <b>Mtor</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0003274 <b>RpLP2</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0027571 <b>CG3523</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0250821 <b>CG14644</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0259978 <b>vlc</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0004583 <b>ex</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0004373 <b>fwd</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0030101 <b>CG12118</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0034914 <b>CG5554</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0261928 <b>CG42795</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0015218 <b>eIF-4E</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0024238 <b>Fim</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0038679 <b>CG6040</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0030956 <b>CG18259</b>	0 1 0 0	1
FBgn0053193 sav	FBgn0033785 <b>Sans</b>	0 0 1 0	1
FBgn0053193 sav	FBgn0013749 <b>Arf102F</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0036763 <b>CG7441</b>	0 0 0 1	1
FBgn0053193 sav	FBgn0020235 <b>ATPsyn-gamn</b>	0 0 0 1	1

## (A) entire PPIN

FBgn0053193 sav	FBgn0034654 CG10306	0 1 0 0	1
FBgn0053193 sav	FBgn0037652 CG11980	0 0 0 1	1
FBgn0053193 sav	FBgn0261608 RpL37A	0 0 0 1	1
FBgn0053193 sav	FBgn0004838 Hrb27C	0 0 0 1	1
FBgn0086384 Mer	FBgn0261397 didum	1 49 33 31	113
FBgn0086384 Mer	FBgn0010246 Myo61F	1 34 38 34	106
FBgn0086384 Mer	FBgn0000319 Chc	1 22 18 19	59
FBgn0086384 Mer	FBgn0086347 Myo31DF	1 20 15 11	46
FBgn0086384 Mer	FBgn0030086 CG7033	1 12 9 8	29
FBgn0086384 Mer	FBgn0261014 TER94	1 12 7 7	26
FBgn0086384 Mer	FBgn0011225 jar	0.99 32 18 16	66
FBgn0086384 Mer	FBgn0037874 Tctp	0.99 6 5 5	16
FBgn0086384 Mer	FBgn0016693 Past1	0.98 11 4 5	20
FBgn0086384 Mer	FBgn0033663 ERp60	0.96 7 3 6	16
FBgn0086384 Mer	FBgn0014163 fax	0.95 6 3 4	13
FBgn0086384 Mer	FBgn0039713 RpS8	0.95 4 4 4	12
FBgn0086384 Mer	FBgn0000253 Cam	0.94 11 7 6	24
FBgn0086384 Mer	FBgn0000579 Eno	0.94 5 3 4	12
FBgn0086384 Mer	FBgn0015795 Rab7	0.94 4 3 5	12
FBgn0086384 Mer	FBgn0003231 ref(2)P	0.94 4 4 3	11
FBgn0086384 Mer	FBgn0086656 shrb	0.93 5 5 8	18
FBgn0086384 Mer	FBgn0086356 tum	0.93 6 6 5	17
FBgn0086384 Mer	FBgn0003279 RpL4	0.93 6 3 4	13
FBgn0086384 Mer	FBgn0000317 ck	0.92 10 5 3	18
FBgn0086384 Mer	FBgn0024238 Fim	0.92 6 3 3	12
FBgn0086384 Mer	FBgn0027329 Tcp-1zeta	0.88 8 7 8	23
FBgn0086384 Mer	FBgn0020255 ran	0.87 6 4 4	14
FBgn0086384 Mer	FBgn0033062 Ars2	0.83 5 3 5	13
FBgn0086384 Mer	FBgn0003022 Ote	0.81 19 17 11	47
FBgn0086384 Mer	FBgn0010411 RpS18	0.81 4 5 4	13
FBgn0086384 Mer	FBgn0261606 RpL27A	0.79 5 2 3	10
FBgn0086384 Mer	FBgn0033205 CG2064	0.79 3 2 3	8
FBgn0086384 Mer	FBgn0011661 Moe	0.78 2 3 4	9
FBgn0086384 Mer	FBgn0037607 CG8036	0.76 5 2 5	12
FBgn0086384 Mer	FBgn0003600 Su(var)3-9	0.76 6 3 2	11
FBgn0086384 Mer	FBgn0029766 CG15784	0.75 3 4 2	9
FBgn0086384 Mer	FBgn0027571 CG3523	0.75 4 3 2	9
FBgn0086384 Mer	FBgn0015019 Cctgamma	0.73 3 3 2	8
FBgn0086384 Mer	FBgn0016700 Rab1	0.72 2 4 2	8
FBgn0086384 Mer	FBgn0032444 CG5525	0.69 9 6 5	20
FBgn0086384 Mer	FBgn0004907 14-3-3zeta	0.69 4 4 3	11
FBgn0086384 Mer	FBgn0087035 AGO2	0.67 11 5 12	28
FBgn0086384 Mer	FBgn0039562 Gp93	0.67 4 3 4	11
FBgn0086384 Mer	FBgn0027605 Vps4	0.67 7 1 3	11
FBgn0086384 Mer	FBgn0037643 skap	0.67 3 3 4	10
FBgn0086384 Mer	FBgn0004227 nonA	0.65 7 6 5	18
FBgn0086384 Mer	FBgn0037632 Tcp-1eta	0.64 5 6 3	14
FBgn0086384 Mer	FBgn0004432 Cyp1	0.64 2 3 2	7
FBgn0086384 Mer	FBgn0015288 RpL22	0.61 2 2 2	6
FBgn0086384 Mer	FBgn0035753 RpL18	0.61 2 2 2	6
FBgn0086384 Mer	FBgn0001091 Gapdh1	0.6 2 3 1	6

## (A) entire PPIN

FBgn0086384	Mer	FBgn0261592	RpS6	0.59	3 1 2	6
FBgn0086384	Mer	FBgn0033342	CG8258	0.57	6 2 1	9
FBgn0086384	Mer	FBgn0017545	RpS3A	0.56	6 4 5	15
FBgn0086384	Mer	FBgn0027084	Aats-lys	0.55	4 2 1	7
FBgn0086384	Mer	FBgn0024814	C1c	0.55	3 1 2	6
FBgn0086384	Mer	FBgn0010348	Arf79F	0.52	4 3 2	9
FBgn0086384	Mer	FBgn0263594	lost	0.51	3 2 2	7
FBgn0086384	Mer	FBgn0033902	Tango7	0.51	1 2 2	5
FBgn0086384	Mer	FBgn0026372	RpL23A	0.51	1 2 2	5
FBgn0086384	Mer	FBgn0030993	Mec2	0.5	7 6 7	20
FBgn0086384	Mer	FBgn0000308	chic	0.5	2 1 3	6
FBgn0086384	Mer	FBgn0037270	CG9769	0.47	2 1 2	5
FBgn0086384	Mer	FBgn0030956	CG18259	0.45	1 3 1	5
FBgn0086384	Mer	FBgn0003517	sta	0.45	1 2 2	5
FBgn0086384	Mer	FBgn0032987	RpL21	0.45	1 2 1	4
FBgn0086384	Mer	FBgn0034138	RpS15	0.43	3 1 1	5
FBgn0086384	Mer	FBgn0028685	Rpt4	0.4	2 2 1	5
FBgn0086384	Mer	FBgn0262735	Imp	0.4	1 2 1	4
FBgn0086384	Mer	FBgn0261551	CG42669	0.39	8 2 1	11
FBgn0086384	Mer	FBgn0037551	Gie	0.39	2 1 1	4
FBgn0086384	Mer	FBgn0040007	RpL38	0.39	1 2 1	4
FBgn0086384	Mer	FBgn0001215	Hrb98DE	0.38	4 6 6	16
FBgn0086384	Mer	FBgn0010621	Cct5	0.38	4 1 3	8
FBgn0086384	Mer	FBgn0015790	Rab11	0.38	1 2 1	4
FBgn0086384	Mer	FBgn0024556	EftuM	0.37	4 3 2	9
FBgn0086384	Mer	FBgn0020236	ATPCL	0.35	2 1 1	4
FBgn0086384	Mer	FBgn0029897	RpL17	0.35	3 0 1	4
FBgn0086384	Mer	FBgn0011692	pav	0.32	10 8 6	24
FBgn0086384	Mer	FBgn0011272	RpL13	0.26	0 1 2	3
FBgn0086384	Mer	FBgn0037719	bocksbeutel	0.25	6 3 3	12
FBgn0086384	Mer	FBgn0035147	Gale	0.24	1 2 0	3
FBgn0086384	Mer	FBgn0003261	Rm62	0.23	12 6 7	25
FBgn0086384	Mer	FBgn0000559	Ef2b	0.21	8 10 15	33
FBgn0086384	Mer	FBgn0033912	RpS23	0.21	0 2 0	2
FBgn0086384	Mer	FBgn0011016	SsRbeta	0.2	2 1 1	4
FBgn0086384	Mer	FBgn0038369	Arpc3A	0.2	2 1 1	4
FBgn0086384	Mer	FBgn0004167	kst	0.19	8 3 2	13
FBgn0086384	Mer	FBgn0032518	RpL24	0.19	3 2 2	7
FBgn0086384	Mer	FBgn0023143	Uba1	0.18	2 1 2	5
FBgn0086384	Mer	FBgn0004378	Klp61F	0.18	2 0 0	2
FBgn0086384	Mer	FBgn0028734	Fmr1	0.17	7 6 5	18
FBgn0086384	Mer	FBgn0014869	Pglym78	0.17	2 0 0	2
FBgn0086384	Mer	FBgn0015268	Nap1	0.16	3 2 3	8
FBgn0086384	Mer	FBgn0027094	Aats-ala	0.16	2 0 2	4
FBgn0086384	Mer	FBgn0002466	sti	0.14	2 2 2	6
FBgn0086384	Mer	FBgn0032198	eEF1delta	0.14	2 0 0	2
FBgn0086384	Mer	FBgn0033109	coro	0.13	1 2 0	3
FBgn0086384	Mer	FBgn0250906	Pgk	0.13	2 0 0	2
FBgn0086384	Mer	FBgn0035589	CHMP2B	0.12	2 3 4	9
FBgn0086384	Mer	FBgn0261385	scra	0.12	2 2 1	5
FBgn0086384	Mer	FBgn0037249	eIF3-S10	0.12	1 1 2	4

## (A) entire PPIN

FBgn0086384	<b>Mer</b>	FBgn0002780	<b>mod</b>	<b>0.1</b>	9 2 5	16
FBgn0086384	<b>Mer</b>	FBgn0011726	<b>tsr</b>	<b>0.1</b>	4 2 1	7
FBgn0086384	<b>Mer</b>	FBgn0010516	<b>wal</b>	<b>0.1</b>	2 2 1	5
FBgn0086384	<b>Mer</b>	FBgn0262716	<b>Arp66B</b>	<b>0.09</b>	6 6 4	16
FBgn0086384	<b>Mer</b>	FBgn0035811	<b>CG12262</b>	<b>0.08</b>	2 2 0	4
FBgn0086384	<b>Mer</b>	FBgn0005533	<b>RpS17</b>	<b>0.07</b>	1 2 2	5
FBgn0086384	<b>Mer</b>	FBgn0053868	<b>His2B:CG3386</b>	<b>0.06</b>	2 1 2	5
FBgn0086384	<b>Mer</b>	FBgn0020910	<b>RpL3</b>	<b>0.06</b>	2 1 1	4
FBgn0086384	<b>Mer</b>	FBgn0064225	<b>RpL5</b>	<b>0.06</b>	2 0 1	3
FBgn0086384	<b>Mer</b>	FBgn0032731	<b>CG10641</b>	<b>0.05</b>	5 6 3	14
FBgn0086384	<b>Mer</b>	FBgn0086710	<b>RpL30</b>	<b>0.05</b>	2 2 2	6
FBgn0086384	<b>Mer</b>	FBgn0263006	<b>Ca-P60A</b>	<b>0.05</b>	1 1 2	4
FBgn0086384	<b>Mer</b>	FBgn0263396	<b>sqd</b>	<b>0.04</b>	5 5 7	17
FBgn0086384	<b>Mer</b>	FBgn0019936	<b>RpS20</b>	<b>0.04</b>	5 2 3	10
FBgn0086384	<b>Mer</b>	FBgn0011640	<b>lark</b>	<b>0.04</b>	2 0 0	2
FBgn0086384	<b>Mer</b>	FBgn0004888	<b>Scsalpha</b>	<b>0.03</b>	6 5 4	15
FBgn0086384	<b>Mer</b>	FBgn0013981	<b>His4r</b>	<b>0.03</b>	3 1 2	6
FBgn0086384	<b>Mer</b>	FBgn0010265	<b>RpS13</b>	<b>0.03</b>	2 1 2	5
FBgn0086384	<b>Mer</b>	FBgn0022959	<b>yps</b>	<b>0.03</b>	1 2 1	4
FBgn0086384	<b>Mer</b>	FBgn0031437	<b>p16-ARC</b>	<b>0.02</b>	4 2 2	8
FBgn0086384	<b>Mer</b>	FBgn0010078	<b>RpL23</b>	<b>0.01</b>	5 5 6	16
FBgn0086384	<b>Mer</b>	FBgn0000173	<b>ben</b>	<b>0.01</b>	2 2 3	7
FBgn0086384	<b>Mer</b>	FBgn0015756	<b>RpL9</b>	<b>0.01</b>	2 4 1	7
FBgn0086384	<b>Mer</b>	FBgn0013269	<b>FK506-bp1</b>	<b>0.01</b>	1 1 2	4
FBgn0086384	<b>Mer</b>	FBgn0035872	<b>CG7185</b>	<b>0.01</b>	3 0 1	4
FBgn0086384	<b>Mer</b>	FBgn0020618	<b>Rack1</b>	<b>0.01</b>	1 2 0	3
FBgn0086384	<b>Mer</b>	FBgn0005634	<b>zip</b>	<b>0</b>	335 277 278	890
FBgn0086384	<b>Mer</b>	FBgn0000042	<b>Act5C</b>	<b>0</b>	42 35 32	109
FBgn0086384	<b>Mer</b>	FBgn0000556	<b>Ef1alpha48D</b>	<b>0</b>	38 34 33	105
FBgn0086384	<b>Mer</b>	FBgn0003721	<b>Tm1</b>	<b>0</b>	33 28 27	88
FBgn0086384	<b>Mer</b>	FBgn0002525	<b>Lam</b>	<b>0</b>	36 25 24	85
FBgn0086384	<b>Mer</b>	FBgn0000709	<b>filil</b>	<b>0</b>	29 26 23	78
FBgn0086384	<b>Mer</b>	FBgn0001219	<b>Hsc70-4</b>	<b>0</b>	26 23 23	72
FBgn0086384	<b>Mer</b>	FBgn0001233	<b>Hsp83</b>	<b>0</b>	25 20 23	68
FBgn0086384	<b>Mer</b>	FBgn0003884	<b>alphaTub84B</b>	<b>0</b>	21 16 20	57
FBgn0086384	<b>Mer</b>	FBgn0261710	<b>nocte</b>	<b>0</b>	26 14 17	57
FBgn0086384	<b>Mer</b>	FBgn0003887	<b>betaTub56D</b>	<b>0</b>	22 17 18	57
FBgn0086384	<b>Mer</b>	FBgn0030699	<b>CG8578</b>	<b>0</b>	18 17 18	53
FBgn0086384	<b>Mer</b>	FBgn0003178	<b>PyK</b>	<b>0</b>	17 16 16	49
FBgn0086384	<b>Mer</b>	FBgn0004687	<b>Mlc-c</b>	<b>0</b>	17 12 13	42
FBgn0086384	<b>Mer</b>	FBgn0250789	<b>alpha-Spec</b>	<b>0</b>	20 12 8	40
FBgn0086384	<b>Mer</b>	FBgn0263231	<b>bel</b>	<b>0</b>	13 12 15	40
FBgn0086384	<b>Mer</b>	FBgn0001218	<b>Hsc70-3</b>	<b>0</b>	13 13 13	39
FBgn0086384	<b>Mer</b>	FBgn0003514	<b>sqh</b>	<b>0</b>	10 10 7	27
FBgn0086384	<b>Mer</b>	FBgn0039757	<b>RpS7</b>	<b>0</b>	10 10 7	27
FBgn0086384	<b>Mer</b>	FBgn0015778	<b>rin</b>	<b>0</b>	10 8 7	25
FBgn0086384	<b>Mer</b>	FBgn0082582	<b>tmod</b>	<b>0</b>	11 5 8	24
FBgn0086384	<b>Mer</b>	FBgn0261619	<b>pAbp</b>	<b>0</b>	11 7 5	23
FBgn0086384	<b>Mer</b>	FBgn0003360	<b>sesB</b>	<b>0</b>	9 5 8	22
FBgn0086384	<b>Mer</b>	FBgn0034577	<b>cpa</b>	<b>0</b>	10 7 5	22
FBgn0086384	<b>Mer</b>	FBgn0031977	<b>baf</b>	<b>0</b>	8 5 8	21

## (A) entire PPIN

FBgn0086384	Mer	FBgn0037891	<b>CG5214</b>	0 9 6 5	20
FBgn0086384	Mer	FBgn0011211	<b>blw</b>	0 7 6 6	19
FBgn0086384	Mer	FBgn0003676	<b>T-cp1</b>	0 6 6 6	18
FBgn0086384	Mer	FBgn0000044	<b>Act57B</b>	0 9 5 4	18
FBgn0086384	Mer	FBgn0011284	<b>RpS4</b>	0 6 5 7	18
FBgn0086384	Mer	FBgn0029176	<b>Ef1gamma</b>	0 7 5 5	17
FBgn0086384	Mer	FBgn0034743	<b>RpS16</b>	0 6 5 5	16
FBgn0086384	Mer	FBgn0002645	<b>Map205</b>	0 8 5 3	16
FBgn0086384	Mer	FBgn0032859	<b>Arc-p34</b>	0 6 6 3	15
FBgn0086384	Mer	FBgn0004403	<b>RpS14a</b>	0 6 4 5	15
FBgn0086384	Mer	FBgn0039697	<b>CG7834</b>	0 5 5 4	14
FBgn0086384	Mer	FBgn0031256	<b>CG4164</b>	0 4 4 6	14
FBgn0086384	Mer	FBgn0262734	<b>Rbp2</b>	0 5 4 5	14
FBgn0086384	Mer	FBgn0036213	<b>RpL10Ab</b>	0 6 4 4	14
FBgn0086384	Mer	FBgn0020238	<b>14-3-3epsilon</b>	0 3 5 5	13
FBgn0086384	Mer	FBgn0038145	<b>Droj2</b>	0 4 6 3	13
FBgn0086384	Mer	FBgn0001216	<b>Hsc70-1</b>	0 5 4 4	13
FBgn0086384	Mer	FBgn0001942	<b>eIF-4a</b>	0 4 4 5	13
FBgn0086384	Mer	FBgn0035499	<b>Chd64</b>	0 5 3 4	12
FBgn0086384	Mer	FBgn0004237	<b>Hrb87F</b>	0 6 3 3	12
FBgn0086384	Mer	FBgn0035608	<b>blanks</b>	0 3 4 4	11
FBgn0086384	Mer	FBgn0003888	<b>betaTub60D</b>	0 4 3 4	11
FBgn0086384	Mer	FBgn0042134	<b>Capr</b>	0 5 2 4	11
FBgn0086384	Mer	FBgn0001961	<b>Sop2</b>	0 5 3 3	11
FBgn0086384	Mer	FBgn0001220	<b>Hsc70-5</b>	0 3 4 4	11
FBgn0086384	Mer	FBgn0010198	<b>RpS15Aa</b>	0 4 4 3	11
FBgn0086384	Mer	FBgn0011570	<b>cpb</b>	0 5 3 3	11
FBgn0086384	Mer	FBgn0015834	<b>Trip1</b>	0 5 3 2	10
FBgn0086384	Mer	FBgn0029979	<b>CG10777</b>	0 3 3 4	10
FBgn0086384	Mer	FBgn0000258	<b>CkIIalpha</b>	0 3 3 4	10
FBgn0086384	Mer	FBgn0003890	<b>betaTub97EF</b>	0 3 3 3	9
FBgn0086384	Mer	FBgn0004867	<b>RpS2</b>	0 3 4 2	9
FBgn0086384	Mer	FBgn0261593	<b>RpS10b</b>	0 3 3 2	8
FBgn0086384	Mer	FBgn0011742	<b>Arp14D</b>	0 3 3 2	8
FBgn0086384	Mer	FBgn0027066	<b>Eb1</b>	0 3 3 2	8
FBgn0086384	Mer	FBgn0027932	<b>Akap200</b>	0 4 2 2	8
FBgn0086384	Mer	FBgn0040227	<b>eIF-3p66</b>	0 4 2 2	8
FBgn0086384	Mer	FBgn0014189	<b>Hel25E</b>	0 3 1 3	7
FBgn0086384	Mer	FBgn0029093	<b>cathD</b>	0 3 2 2	7
FBgn0086384	Mer	FBgn0086904	<b>Nacalalpha</b>	0 2 3 2	7
FBgn0086384	Mer	FBgn0031781	<b>Arc-p20</b>	0 3 2 2	7
FBgn0086384	Mer	FBgn0002622	<b>RpS3</b>	0 4 2 1	7
FBgn0086384	Mer	FBgn0028737	<b>Ef1beta</b>	0 4 1 1	6
FBgn0086384	Mer	FBgn0000181	<b>bic</b>	0 3 1 2	6
FBgn0086384	Mer	FBgn0001217	<b>Hsc70-2</b>	0 2 2 2	6
FBgn0086384	Mer	FBgn0034968	<b>RpL12</b>	0 2 2 2	6
FBgn0086384	Mer	FBgn0010408	<b>RpS9</b>	0 2 2 2	6
FBgn0086384	Mer	FBgn0261609	<b>eIF-2alpha</b>	0 2 2 2	6
FBgn0086384	Mer	FBgn0028327	<b>I(1)G0320</b>	0 2 2 2	6
FBgn0086384	Mer	FBgn0003941	<b>RpL40</b>	0 3 1 1	5
FBgn0086384	Mer	FBgn0000497	<b>ds</b>	0 2 1 2	5

## (A) entire PPIN

FBgn0086384	Mer	FBgn0025286	RpL31	0 2 1 1	4
FBgn0086384	Mer	FBgn0041180	TepIV	0 2 1 1	4
FBgn0086384	Mer	FBgn0010217	ATPsyn-beta	0 3 1 0	4
FBgn0086384	Mer	FBgn0261456	hpo	0 3 0 1	4
FBgn0086384	Mer	FBgn0250814	CG4169	0 2 1 1	4
FBgn0086384	Mer	FBgn0263391	hts	0 1 1 2	4
FBgn0086384	Mer	FBgn0011710	Sep1	0 2 1 1	4
FBgn0086384	Mer	FBgn0039359	RpL27	0 1 1 1	3
FBgn0086384	Mer	FBgn0035987	CG3689	0 1 1 1	3
FBgn0086384	Mer	FBgn0261596	RpS24	0 1 1 1	3
FBgn0086384	Mer	FBgn0027494	RpS10a	0 1 1 1	3
FBgn0086384	Mer	FBgn0028470	Patr-1	0 1 1 1	3
FBgn0086384	Mer	FBgn0001197	His2Av	0 1 1 1	3
FBgn0086384	Mer	FBgn0010333	Rac1	0 1 1 1	3
FBgn0086384	Mer	FBgn0029118	Sucb	0 1 1 1	3
FBgn0086384	Mer	FBgn0026761	Trap1	0 1 1 1	3
FBgn0086384	Mer	FBgn0014391	sun	0 1 1 1	3
FBgn0086384	Mer	FBgn0031066	CG14235	0 1 1 1	3
FBgn0086384	Mer	FBgn0028687	Rpt1	0 1 1 1	3
FBgn0086384	Mer	FBgn0028695	Rpn1	0 1 1 1	3
FBgn0086384	Mer	FBgn0001092	Gapdh2	0 1 1 1	3
FBgn0086384	Mer	FBgn0035229	CG7852	0 1 1 1	3
FBgn0086384	Mer	FBgn0030747	CG4301	0 1 1 1	3
FBgn0086384	Mer	FBgn0002579	RpL36	0 1 1 1	3
FBgn0086384	Mer	FBgn0029687	Vap-33-1	0 1 1 1	3
FBgn0086384	Mer	FBgn0003274	RpLP2	0 0 1 2	3
FBgn0086384	Mer	FBgn0005585	Crc	0 1 1 1	3
FBgn0086384	Mer	FBgn0261597	RpS26	0 1 1 1	3
FBgn0086384	Mer	FBgn0013325	RpL11	0 1 1 1	3
FBgn0086384	Mer	FBgn0020235	ATPsyn-gamn	0 1 1 1	3
FBgn0086384	Mer	FBgn0034398	CG15098	0 1 1 1	3
FBgn0086384	Mer	FBgn0038476	kuk	0 1 0 1	2
FBgn0086384	Mer	FBgn0029823	CG3011	0 0 1 1	2
FBgn0086384	Mer	FBgn0037537	CG2767	0 1 0 1	2
FBgn0086384	Mer	FBgn0020279	lig	0 1 0 1	2
FBgn0086384	Mer	FBgn0053303	CG33303	0 1 0 1	2
FBgn0086384	Mer	FBgn0001075	ft	0 0 1 1	2
FBgn0086384	Mer	FBgn0010342	Map60	0 1 1 0	2
FBgn0086384	Mer	FBgn0034075	Asph	0 1 1 0	2
FBgn0086384	Mer	FBgn0024987	ssx	0 1 1 0	2
FBgn0086384	Mer	FBgn0029785	RpL35	0 0 1 1	2
FBgn0086384	Mer	FBgn0024183	vig	0 1 0 1	2
FBgn0086384	Mer	FBgn0027598	cindr	0 0 1 1	2
FBgn0086384	Mer	FBgn0032010	CG8086	0 1 1 0	2
FBgn0086384	Mer	FBgn0023517	Pgam5	0 1 1 0	2
FBgn0086384	Mer	FBgn0038805	TFAM	0 1 1 0	2
FBgn0086384	Mer	FBgn0028697	RpL15	0 1 1 0	2
FBgn0086384	Mer	FBgn0036300	CG10688	0 1 0 1	2
FBgn0086384	Mer	FBgn0011823	Pen	0 1 1 0	2
FBgn0086384	Mer	FBgn0041205	key	0 1 0 1	2
FBgn0086384	Mer	FBgn0000100	RpLP0	0 2 0 0	2



## (A) entire PPIN

FBgn0086384	Mer	FBgn0010409	RpL18A	0	1 0 1	2
FBgn0086384	Mer	FBgn0036929	CG7668	0	1 0 1	2
FBgn0086384	Mer	FBgn0021795	Tapdelta	0	1 0 1	2
FBgn0086384	Mer	FBgn0027616	YT521-B	0	1 0 1	2
FBgn0086384	Mer	FBgn0262601	SmB	0	1 0 1	2
FBgn0086384	Mer	FBgn0025725	alphaCop	0	2 0 0	2
FBgn0086384	Mer	FBgn0261599	RpS29	0	0 1 1	2
FBgn0086384	Mer	FBgn0260439	Pp2A-29B	0	0 1 1	2
FBgn0086384	Mer	FBgn0014029	Sep2	0	1 1 0	2
FBgn0086384	Mer	FBgn0013770	Cp1	0	1 0 1	2
FBgn0086384	Mer	FBgn0037351	RpL13A	0	1 1 0	2
FBgn0086384	Mer	FBgn0027338	Kap-alpha3	0	0 1 1	2
FBgn0086384	Mer	FBgn0031459	CG2862	0	0 1 1	2
FBgn0086384	Mer	FBgn0033204	CG2065	0	1 1 0	2
FBgn0086384	Mer	FBgn0041775	tral	0	1 0 1	2
FBgn0086384	Mer	FBgn0013726	pnut	0	1 1 0	2
FBgn0086384	Mer	FBgn0023167	SmD3	0	1 0 1	2
FBgn0086384	Mer	FBgn0015218	eIF-4E	0	1 1 0	2
FBgn0086384	Mer	FBgn0033101	CG9436	0	1 0 1	2
FBgn0086384	Mer	FBgn0086472	RpS25	0	0 1 1	2
FBgn0086384	Mer	FBgn0017579	RpL14	0	1 0 1	2
FBgn0086384	Mer	FBgn0014010	Rab5	0	0 1 1	2
FBgn0086384	Mer	FBgn0005593	RpL7	0	1 0 1	2
FBgn0086384	Mer	FBgn0261723	Dbx	0	1 0 1	2
FBgn0086384	Mer	FBgn0029092	ced-6	0	1 1 0	2
FBgn0086384	Mer	FBgn0002607	RpL19	0	1 1 0	2
FBgn0086384	Mer	FBgn0004838	Hrb27C	0	2 0 0	2
FBgn0086384	Mer	FBgn0028969	deltaCOP	0	1 0 1	2
FBgn0086384	Mer	FBgn0039129	RpS19b	0	0 0 1	1
FBgn0086384	Mer	FBgn0034401	CG15100	0	0 0 1	1
FBgn0086384	Mer	FBgn0026597	Axn	0	1 0 0	1
FBgn0086384	Mer	FBgn0261258	rgn	0	0 0 1	1
FBgn0086384	Mer	FBgn0000578	ena	0	1 0 0	1
FBgn0086384	Mer	FBgn0039300	RpS27	0	0 0 1	1
FBgn0086384	Mer	FBgn0021906	RFesP	0	1 0 0	1
FBgn0086384	Mer	FBgn0003660	Syb	0	0 0 1	1
FBgn0086384	Mer	FBgn0015589	Apc	0	1 0 0	1
FBgn0086384	Mer	FBgn0027783	SMC2	0	0 1 0	1
FBgn0086384	Mer	FBgn0004556	Dbp73D	0	0 0 1	1
FBgn0086384	Mer	FBgn0263510	nclb	0	1 0 0	1
FBgn0086384	Mer	FBgn0039463	CG18472	0	0 1 0	1
FBgn0086384	Mer	FBgn0022023	eIF-3p40	0	1 0 0	1
FBgn0086384	Mer	FBgn0050493	CG30493	0	1 0 0	1
FBgn0086384	Mer	FBgn0003892	ptc	0	0 0 1	1
FBgn0086384	Mer	FBgn0034970	yki	0	0 0 1	1
FBgn0086384	Mer	FBgn0263598	Vha68-2	0	1 0 0	1
FBgn0086384	Mer	FBgn0033203	CG2070	0	1 0 0	1
FBgn0086384	Mer	FBgn0039629	CG11842	0	0 1 0	1
FBgn0086384	Mer	FBgn0036805	Chmp1	0	0 1 0	1
FBgn0086384	Mer	FBgn0038830	CG17272	0	1 0 0	1
FBgn0086384	Mer	FBgn0027547	CG1927	0	0 0 1	1

## (A) entire PPIN

FBgn0086384	<b>Mer</b>	FBgn0029962	<b>CG1402</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0039478	<b>Nep5</b>	0 0 1 0	1
FBgn0086384	<b>Mer</b>	FBgn0035632	<b>Ppat-Dpck</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0262518	<b>Rab8</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0005674	<b>Aats-glupro</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0037664	<b>CG8420</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0052082	<b>CG32082</b>	0 0 1 0	1
FBgn0086384	<b>Mer</b>	FBgn0036018	<b>CG3335</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0046214	<b>vig2</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0050122	<b>CG30122</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0030588	<b>CG9521</b>	0 0 0 1	1
FBgn0086384	<b>Mer</b>	FBgn0034259	<b>CG6459</b>	0 0 0 1	1
FBgn0086384	<b>Mer</b>	FBgn0086377	<b>Syx7</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0024222	<b>ird5</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0028684	<b>Tbp-1</b>	0 0 1 0	1
FBgn0086384	<b>Mer</b>	FBgn0034967	<b>eIF-5A</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0036258	<b>CG5642</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0002593	<b>RpLP1</b>	0 0 0 1	1
FBgn0086384	<b>Mer</b>	FBgn0037046	<b>CG10581</b>	0 0 1 0	1
FBgn0086384	<b>Mer</b>	FBgn0031251	<b>CG4213</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0027081	<b>Aats-thr</b>	0 0 1 0	1
FBgn0086384	<b>Mer</b>	FBgn0017551	<b>Rca1</b>	0 0 0 1	1
FBgn0086384	<b>Mer</b>	FBgn0036892	<b>CG8798</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0032454	<b>CG5787</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0033699	<b>RpS11</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0034435	<b>CG9975</b>	0 0 1 0	1
FBgn0086384	<b>Mer</b>	FBgn0051465	<b>CG31465</b>	0 0 1 0	1
FBgn0086384	<b>Mer</b>	FBgn0036302	<b>sowah</b>	0 0 0 1	1
FBgn0086384	<b>Mer</b>	FBgn0263355	<b>CG31688</b>	0 0 1 0	1
FBgn0086384	<b>Mer</b>	FBgn0086610	<b>CG33342</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0002440	<b>l(3)mbn</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0005648	<b>Pabp2</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0263347	<b>Caf1</b>	0 0 1 0	1
FBgn0086384	<b>Mer</b>	FBgn0023521	<b>CG3587</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0010747	<b>Srp54k</b>	0 0 0 1	1
FBgn0086384	<b>Mer</b>	FBgn0037515	<b>Sp7</b>	0 0 1 0	1
FBgn0086384	<b>Mer</b>	FBgn0013813	<b>Dhc98D</b>	0 0 0 1	1
FBgn0086384	<b>Mer</b>	FBgn0052016	<b>CG32016</b>	0 0 0 1	1
FBgn0086384	<b>Mer</b>	FBgn0087013	<b>Karybeta3</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0015282	<b>Pros26.4</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0037445	<b>CG9727</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0030136	<b>RpS28b</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0022063	<b>Pcf11</b>	0 0 0 1	1
FBgn0086384	<b>Mer</b>	FBgn0086355	<b>Tpi</b>	0 0 1 0	1
FBgn0086384	<b>Mer</b>	FBgn0003206	<b>Ras64B</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0026563	<b>CG1979</b>	0 0 1 0	1
FBgn0086384	<b>Mer</b>	FBgn0051370	<b>CG31370</b>	0 0 0 1	1
FBgn0086384	<b>Mer</b>	FBgn0014009	<b>Rab2</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0031802	<b>ppk7</b>	0 0 0 1	1
FBgn0086384	<b>Mer</b>	FBgn0037686	<b>RpL34b</b>	0 0 1 0	1
FBgn0086384	<b>Mer</b>	FBgn0013810	<b>Dhc36C</b>	0 1 0 0	1

## (A) entire PPIN

FBgn0086384	<b>Mer</b>	FBgn0259789	<b>vfl</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0015577	<b>alpha-Est9</b>	0 0 0 1	1
FBgn0086384	<b>Mer</b>	FBgn0035484	<b>CG11594</b>	0 0 0 1	1
FBgn0086384	<b>Mer</b>	FBgn0039402	<b>vps2</b>	0 0 0 1	1
FBgn0086384	<b>Mer</b>	FBgn0035033	<b>CG3548</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0039686	<b>CG15506</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0036220	<b>CG5897</b>	0 0 1 0	1
FBgn0086384	<b>Mer</b>	FBgn0036398	<b>CG9007</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0035424	<b>CG11505</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0085451	<b>CG34422</b>	0 0 0 1	1
FBgn0086384	<b>Mer</b>	FBgn0037137	<b>Nopp140</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0000043	<b>Act42A</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0023213	<b>eIF4G</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0010909	<b>msn</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0030943	<b>CG6540</b>	0 0 1 0	1
FBgn0086384	<b>Mer</b>	FBgn0024432	<b>Dlc90F</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0035631	<b>Txl</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0010288	<b>Uch</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0027363	<b>Stam</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0039257	<b>tnc</b>	0 0 0 1	1
FBgn0086384	<b>Mer</b>	FBgn0035688	<b>CG10289</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0031497	<b>CG17259</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0004636	<b>R</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0263106	<b>DnaJ-1</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0035588	<b>CG10672</b>	0 0 0 1	1
FBgn0086384	<b>Mer</b>	FBgn0015513	<b>mbc</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0020369	<b>Pros45</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0262603	<b>sec8</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0022985	<b>qkr58E-2</b>	0 0 0 1	1
FBgn0086384	<b>Mer</b>	FBgn0022288	<b>I(2)09851</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0030529	<b>Clic</b>	0 0 0 1	1
FBgn0086384	<b>Mer</b>	FBgn0001315	<b>kl-5</b>	0 0 0 1	1
FBgn0086384	<b>Mer</b>	FBgn0033261	<b>CG18316</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0032193	<b>CG5727</b>	0 0 0 1	1
FBgn0086384	<b>Mer</b>	FBgn0031980	<b>RpL36A</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0033889	<b>CG6701</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0038747	<b>RhoGAP92B</b>	0 0 1 0	1
FBgn0086384	<b>Mer</b>	FBgn0011606	<b>Klp3A</b>	0 0 1 0	1
FBgn0086384	<b>Mer</b>	FBgn0015222	<b>Fer1HCH</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0014026	<b>RpL7A</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0014141	<b>cher</b>	0 0 1 0	1
FBgn0086384	<b>Mer</b>	FBgn0026252	<b>msk</b>	0 0 0 1	1
FBgn0086384	<b>Mer</b>	FBgn0025682	<b>scf</b>	0 0 0 1	1
FBgn0086384	<b>Mer</b>	FBgn0029629	<b>CG8636</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0052026	<b>CG32026</b>	0 0 0 1	1
FBgn0086384	<b>Mer</b>	FBgn0013469	<b>klu</b>	0 0 0 1	1
FBgn0086384	<b>Mer</b>	FBgn0026409	<b>Mpcp</b>	0 0 1 0	1
FBgn0086384	<b>Mer</b>	FBgn0032961	<b>CG1416</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0036372	<b>CG10083</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0004133	<b>blow</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0005411	<b>U2af50</b>	0 1 0 0	1

## (A) entire PPIN

FBgn0086384	<b>Mer</b>	FBgn0014073	<b>Tie</b>	0 0 0 1	1
FBgn0086384	<b>Mer</b>	FBgn0015379	<b>dod</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0031174	<b>CG1486</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0034237	<b>eIF3-S9</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0015609	<b>CadN</b>	0 1 0 0	1
FBgn0086384	<b>Mer</b>	FBgn0039055	<b>Rassf</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0028331	<b>I(1)G0289</b>	1 25 18 22	65
FBgn0038965	<b>mats</b>	FBgn0263006	<b>Ca-P60A</b>	1 16 10 17	43
FBgn0038965	<b>mats</b>	FBgn0037607	<b>CG8036</b>	1 9 5 8	22
FBgn0038965	<b>mats</b>	FBgn0035165	<b>CG13887</b>	1 6 7 8	21
FBgn0038965	<b>mats</b>	FBgn0250814	<b>CG4169</b>	0.99 14 12 15	41
FBgn0038965	<b>mats</b>	FBgn0035600	<b>CG4769</b>	0.94 4 3 4	11
FBgn0038965	<b>mats</b>	FBgn0039713	<b>RpS8</b>	0.9 4 3 4	11
FBgn0038965	<b>mats</b>	FBgn0002921	<b>Atpalpha</b>	0.88 4 3 7	14
FBgn0038965	<b>mats</b>	FBgn0014868	<b>Ost48</b>	0.86 5 4 2	11
FBgn0038965	<b>mats</b>	FBgn0035471	<b>Sc2</b>	0.84 4 4 4	12
FBgn0038965	<b>mats</b>	FBgn0026409	<b>Mpcp</b>	0.83 3 4 5	12
FBgn0038965	<b>mats</b>	FBgn0086443	<b>Aats-asn</b>	0.79 4 3 2	9
FBgn0038965	<b>mats</b>	FBgn0001258	<b>ImpL3</b>	0.79 4 2 3	9
FBgn0038965	<b>mats</b>	FBgn0032015	<b>CG7830</b>	0.75 2 3 3	8
FBgn0038965	<b>mats</b>	FBgn0037643	<b>skap</b>	0.74 4 3 4	11
FBgn0038965	<b>mats</b>	FBgn0062442	<b>CG1458</b>	0.74 2 3 4	9
FBgn0038965	<b>mats</b>	FBgn0033204	<b>CG2065</b>	0.73 5 1 5	11
FBgn0038965	<b>mats</b>	FBgn0035811	<b>CG12262</b>	0.69 4 4 3	11
FBgn0038965	<b>mats</b>	FBgn0015019	<b>Cctgamma</b>	0.68 4 1 5	10
FBgn0038965	<b>mats</b>	FBgn0261606	<b>RpL27A</b>	0.67 3 2 2	7
FBgn0038965	<b>mats</b>	FBgn0034277	<b>CG6370</b>	0.65 3 3 2	8
FBgn0038965	<b>mats</b>	FBgn0013770	<b>Cp1</b>	0.63 1 3 3	7
FBgn0038965	<b>mats</b>	FBgn0261397	<b>didum</b>	0.62 17 8 14	39
FBgn0038965	<b>mats</b>	FBgn0014010	<b>Rab5</b>	0.62 2 2 2	6
FBgn0038965	<b>mats</b>	FBgn0029118	<b>Sucb</b>	0.56 6 5 6	17
FBgn0038965	<b>mats</b>	FBgn0010411	<b>RpS18</b>	0.54 4 2 4	10
FBgn0038965	<b>mats</b>	FBgn0001091	<b>Gapdh1</b>	0.54 2 2 1	5
FBgn0038965	<b>mats</b>	FBgn0037912	<b>sea</b>	0.54 2 2 1	5
FBgn0038965	<b>mats</b>	FBgn0003676	<b>T-cp1</b>	0.53 16 12 18	46
FBgn0038965	<b>mats</b>	FBgn0010516	<b>wal</b>	0.53 3 3 3	9
FBgn0038965	<b>mats</b>	FBgn0032833	<b>CG10664</b>	0.53 2 1 2	5
FBgn0038965	<b>mats</b>	FBgn0033844	<b>bbc</b>	0.51 2 3 2	7
FBgn0038965	<b>mats</b>	FBgn0015795	<b>Rab7</b>	0.47 2 1 2	5
FBgn0038965	<b>mats</b>	FBgn0035440	<b>CG14969</b>	0.46 2 2 1	5
FBgn0038965	<b>mats</b>	FBgn0029975	<b>CG1444</b>	0.45 4 1 1	6
FBgn0038965	<b>mats</b>	FBgn0037728	<b>CG16817</b>	0.45 1 2 2	5
FBgn0038965	<b>mats</b>	FBgn0032035	<b>CG13393</b>	0.45 2 1 1	4
FBgn0038965	<b>mats</b>	FBgn0020618	<b>Rack1</b>	0.43 4 1 4	9
FBgn0038965	<b>mats</b>	FBgn0010348	<b>Arf79F</b>	0.42 3 3 2	8
FBgn0038965	<b>mats</b>	FBgn0032961	<b>CG1416</b>	0.42 2 3 1	6
FBgn0038965	<b>mats</b>	FBgn0003517	<b>sta</b>	0.42 1 2 2	5
FBgn0038965	<b>mats</b>	FBgn0031392	<b>AIF</b>	0.41 2 3 1	6
FBgn0038965	<b>mats</b>	FBgn0010246	<b>Myo61F</b>	0.4 8 7 9	24
FBgn0038965	<b>mats</b>	FBgn0263594	<b>lost</b>	0.4 1 2 3	6
FBgn0038965	<b>mats</b>	FBgn0086687	<b>desat1</b>	0.4 2 2 1	5

## (A) entire PPIN

FBgn0038965	<b>mats</b>	FBgn0037241	<b>CG14646</b>	<b>0.39</b>	2 1 2	5
FBgn0038965	<b>mats</b>	FBgn0015797	<b>Rab6</b>	<b>0.38</b>	2 2 2	6
FBgn0038965	<b>mats</b>	FBgn0038293	<b>CG6904</b>	<b>0.38</b>	2 0 2	4
FBgn0038965	<b>mats</b>	FBgn0032393	<b>CG12264</b>	<b>0.37</b>	1 1 2	4
FBgn0038965	<b>mats</b>	FBgn0039580	<b>Gfat2</b>	<b>0.36</b>	2 4 4	10
FBgn0038965	<b>mats</b>	FBgn0086356	<b>tum</b>	<b>0.33</b>	4 3 2	9
FBgn0038965	<b>mats</b>	FBgn0010551	<b>I(2)03709</b>	<b>0.31</b>	2 0 1	3
FBgn0038965	<b>mats</b>	FBgn0020235	<b>ATPsyn-gamn</b>	<b>0.3</b>	2 1 1	4
FBgn0038965	<b>mats</b>	FBgn0053303	<b>CG33303</b>	<b>0.29</b>	8 6 8	22
FBgn0038965	<b>mats</b>	FBgn0022288	<b>I(2)09851</b>	<b>0.28</b>	3 1 2	6
FBgn0038965	<b>mats</b>	FBgn0033663	<b>ERp60</b>	<b>0.28</b>	0 1 2	3
FBgn0038965	<b>mats</b>	FBgn0035237	<b>CG13917</b>	<b>0.26</b>	3 0 0	3
FBgn0038965	<b>mats</b>	FBgn0036623	<b>CG4729</b>	<b>0.23</b>	2 1 0	3
FBgn0038965	<b>mats</b>	FBgn0000253	<b>Cam</b>	<b>0.21</b>	4 4 3	11
FBgn0038965	<b>mats</b>	FBgn0022268	<b>KdelR</b>	<b>0.21</b>	2 0 0	2
FBgn0038965	<b>mats</b>	FBgn0008635	<b>betaCop</b>	<b>0.19</b>	0 0 2	2
FBgn0038965	<b>mats</b>	FBgn0037719	<b>bocksbeutel</b>	<b>0.16</b>	5 2 3	10
FBgn0038965	<b>mats</b>	FBgn0010621	<b>Cct5</b>	<b>0.16</b>	3 1 2	6
FBgn0038965	<b>mats</b>	FBgn0021795	<b>Tapdelta</b>	<b>0.13</b>	2 2 0	4
FBgn0038965	<b>mats</b>	FBgn0013812	<b>Dhc93AB</b>	<b>0.1</b>	2 0 0	2
FBgn0038965	<b>mats</b>	FBgn0003022	<b>Ote</b>	<b>0.09</b>	10 4 9	23
FBgn0038965	<b>mats</b>	FBgn0020255	<b>ran</b>	<b>0.09</b>	1 2 2	5
FBgn0038965	<b>mats</b>	FBgn0017545	<b>RpS3A</b>	<b>0.08</b>	4 2 1	7
FBgn0038965	<b>mats</b>	FBgn0039562	<b>Gp93</b>	<b>0.07</b>	2 1 2	5
FBgn0038965	<b>mats</b>	FBgn0037632	<b>Tcp-1eta</b>	<b>0.07</b>	0 0 3	3
FBgn0038965	<b>mats</b>	FBgn0261385	<b>scra</b>	<b>0.06</b>	2 1 1	4
FBgn0038965	<b>mats</b>	FBgn0005533	<b>RpS17</b>	<b>0.05</b>	1 2 2	5
FBgn0038965	<b>mats</b>	FBgn0001197	<b>His2Av</b>	<b>0.05</b>	1 1 2	4
FBgn0038965	<b>mats</b>	FBgn0032444	<b>CG5525</b>	<b>0.04</b>	1 1 4	6
FBgn0038965	<b>mats</b>	FBgn0011828	<b>Pxn</b>	<b>0.04</b>	2 0 0	2
FBgn0038965	<b>mats</b>	FBgn0030993	<b>Mec2</b>	<b>0.03</b>	4 4 5	13
FBgn0038965	<b>mats</b>	FBgn0039300	<b>RpS27</b>	<b>0.03</b>	3 2 4	9
FBgn0038965	<b>mats</b>	FBgn0024556	<b>EfTuM</b>	<b>0.02</b>	0 1 2	3
FBgn0038965	<b>mats</b>	FBgn0005634	<b>zip</b>	<b>0</b>	223 194 209	626
FBgn0038965	<b>mats</b>	FBgn0000556	<b>Ef1alpha48D</b>	<b>0</b>	32 31 30	93
FBgn0038965	<b>mats</b>	FBgn0000042	<b>Act5C</b>	<b>0</b>	31 32 28	91
FBgn0038965	<b>mats</b>	FBgn0003887	<b>betaTub56D</b>	<b>0</b>	28 24 24	76
FBgn0038965	<b>mats</b>	FBgn0003884	<b>alphaTub84B</b>	<b>0</b>	23 23 23	69
FBgn0038965	<b>mats</b>	FBgn0003721	<b>Tm1</b>	<b>0</b>	23 20 22	65
FBgn0038965	<b>mats</b>	FBgn0001219	<b>Hsc70-4</b>	<b>0</b>	21 20 21	62
FBgn0038965	<b>mats</b>	FBgn0002525	<b>Lam</b>	<b>0</b>	26 17 17	60
FBgn0038965	<b>mats</b>	FBgn0003178	<b>PyK</b>	<b>0</b>	16 19 17	52
FBgn0038965	<b>mats</b>	FBgn0001233	<b>Hsp83</b>	<b>0</b>	20 14 15	49
FBgn0038965	<b>mats</b>	FBgn0262603	<b>sec8</b>	<b>0</b>	22 14 12	48
FBgn0038965	<b>mats</b>	FBgn0001218	<b>Hsc70-3</b>	<b>0</b>	13 16 17	46
FBgn0038965	<b>mats</b>	FBgn0000709	<b>flil</b>	<b>0</b>	15 16 13	44
FBgn0038965	<b>mats</b>	FBgn0003360	<b>sesB</b>	<b>0</b>	16 10 12	38
FBgn0038965	<b>mats</b>	FBgn0030699	<b>CG8578</b>	<b>0</b>	14 11 10	35
FBgn0038965	<b>mats</b>	FBgn0003514	<b>sqh</b>	<b>0</b>	13 10 11	34
FBgn0038965	<b>mats</b>	FBgn0004687	<b>Mlc-c</b>	<b>0</b>	10 9 9	28
FBgn0038965	<b>mats</b>	FBgn0011211	<b>blw</b>	<b>0</b>	7 9 8	24

## (A) entire PPIN

FBgn0038965 mats	FBgn0261710 nocte	0 8 11 4	23
FBgn0038965 mats	FBgn0039757 RpS7	0 11 7 4	22
FBgn0038965 mats	FBgn0002622 RpS3	0 9 5 6	20
FBgn0038965 mats	FBgn0000044 Act57B	0 7 7 5	19
FBgn0038965 mats	FBgn0001220 Hsc70-5	0 6 7 6	19
FBgn0038965 mats	FBgn0035499 Chd64	0 8 6 5	19
FBgn0038965 mats	FBgn0038145 Droj2	0 6 4 7	17
FBgn0038965 mats	FBgn0001942 eIF-4a	0 5 6 6	17
FBgn0038965 mats	FBgn0034577 cpa	0 4 4 8	16
FBgn0038965 mats	FBgn0001216 Hsc70-1	0 6 5 4	15
FBgn0038965 mats	FBgn0011225 jar	0 3 5 6	14
FBgn0038965 mats	FBgn0034743 RpS16	0 5 4 4	13
FBgn0038965 mats	FBgn0004363 porin	0 6 3 4	13
FBgn0038965 mats	FBgn0003888 betaTub60D	0 4 3 5	12
FBgn0038965 mats	FBgn0014189 Hel25E	0 5 2 4	11
FBgn0038965 mats	FBgn0031256 CG4164	0 4 3 4	11
FBgn0038965 mats	FBgn0004867 RpS2	0 5 3 3	11
FBgn0038965 mats	FBgn0002645 Map205	0 4 3 3	10
FBgn0038965 mats	FBgn0011692 pav	0 2 3 4	9
FBgn0038965 mats	FBgn0003890 betaTub97EF	0 3 3 3	9
FBgn0038965 mats	FBgn0015778 rin	0 5 2 2	9
FBgn0038965 mats	FBgn0001961 Sop2	0 3 3 3	9
FBgn0038965 mats	FBgn0011570 cpb	0 2 3 4	9
FBgn0038965 mats	FBgn0031977 baf	0 3 3 3	9
FBgn0038965 mats	FBgn0261593 RpS10b	0 4 2 2	8
FBgn0038965 mats	FBgn0010217 ATPsyn-beta	0 3 2 3	8
FBgn0038965 mats	FBgn0082582 tmod	0 4 3 1	8
FBgn0038965 mats	FBgn0029093 cathD	0 2 3 3	8
FBgn0038965 mats	FBgn0004403 RpS14a	0 4 2 2	8
FBgn0038965 mats	FBgn0029176 Ef1gamma	0 3 2 2	7
FBgn0038965 mats	FBgn0263396 sqd	0 2 1 4	7
FBgn0038965 mats	FBgn0010408 RpS9	0 3 2 2	7
FBgn0038965 mats	FBgn0036213 RpL10Ab	0 2 2 3	7
FBgn0038965 mats	FBgn0029979 CG10777	0 3 3 1	7
FBgn0038965 mats	FBgn0011739 wts	0 3 2 2	7
FBgn0038965 mats	FBgn0263231 bel	0 3 0 4	7
FBgn0038965 mats	FBgn0019936 RpS20	0 2 2 3	7
FBgn0038965 mats	FBgn0250789 alpha-Spec	0 3 2 1	6
FBgn0038965 mats	FBgn0037891 CG5214	0 4 2 0	6
FBgn0038965 mats	FBgn0042134 Capr	0 2 1 3	6
FBgn0038965 mats	FBgn0001217 Hsc70-2	0 2 2 2	6
FBgn0038965 mats	FBgn0010198 RpS15Aa	0 2 2 2	6
FBgn0038965 mats	FBgn0027329 Tcp-1zeta	0 2 2 2	6
FBgn0038965 mats	FBgn0000258 Ckllalpha	0 2 3 1	6
FBgn0038965 mats	FBgn0000559 Ef2b	0 3 1 1	5
FBgn0038965 mats	FBgn0011284 RpS4	0 1 2 2	5
FBgn0038965 mats	FBgn0010078 RpL23	0 1 1 3	5
FBgn0038965 mats	FBgn0263391 hts	0 2 0 3	5
FBgn0038965 mats	FBgn0000173 ben	0 2 1 2	5
FBgn0038965 mats	FBgn0261609 eIF-2alpha	0 1 2 2	5
FBgn0038965 mats	FBgn0027932 Akap200	0 2 1 2	5

## (A) entire PPIN

FBgn0038965 mats	FBgn0031781 Arc-p20	0 1 3 1	5
FBgn0038965 mats	FBgn0000319 Chc	0 1 2 2	5
FBgn0038965 mats	FBgn0039697 CG7834	0 1 2 1	4
FBgn0038965 mats	FBgn0032859 Arc-p34	0 0 2 2	4
FBgn0038965 mats	FBgn0262734 Rbp2	0 1 1 2	4
FBgn0038965 mats	FBgn0031437 p16-ARC	0 1 1 2	4
FBgn0038965 mats	FBgn0040227 eIF-3p66	0 1 1 2	4
FBgn0038965 mats	FBgn0261619 pAbp	0 1 1 2	4
FBgn0038965 mats	FBgn0025286 RpL31	0 1 1 1	3
FBgn0038965 mats	FBgn0037551 Gie	0 1 1 1	3
FBgn0038965 mats	FBgn0035608 blanks	0 1 1 1	3
FBgn0038965 mats	FBgn0033203 CG2070	0 1 1 1	3
FBgn0038965 mats	FBgn0035987 CG3689	0 1 1 1	3
FBgn0038965 mats	FBgn0005586 Rab3	0 1 1 1	3
FBgn0038965 mats	FBgn0011016 SsRbeta	0 1 1 1	3
FBgn0038965 mats	FBgn0002593 RpLP1	0 1 1 1	3
FBgn0038965 mats	FBgn0027583 CG7601	0 1 1 1	3
FBgn0038965 mats	FBgn0027066 Eb1	0 1 1 1	3
FBgn0038965 mats	FBgn0028479 CG4389	0 1 1 1	3
FBgn0038965 mats	FBgn0027598 cindr	0 1 1 1	3
FBgn0038965 mats	FBgn0026761 Trap1	0 1 1 1	3
FBgn0038965 mats	FBgn0028734 Fmr1	0 0 1 2	3
FBgn0038965 mats	FBgn0012036 Aldh	0 2 0 1	3
FBgn0038965 mats	FBgn0038805 TFAM	0 1 1 1	3
FBgn0038965 mats	FBgn0016693 Past1	0 1 1 1	3
FBgn0038965 mats	FBgn0066114 GicAT-I	0 1 1 1	3
FBgn0038965 mats	FBgn0001092 Gapdh2	0 1 1 1	3
FBgn0038965 mats	FBgn0034793 asrij	0 1 1 1	3
FBgn0038965 mats	FBgn0019925 Surf4	0 1 1 1	3
FBgn0038965 mats	FBgn0039635 CG11876	0 1 1 1	3
FBgn0038965 mats	FBgn0029687 Vap-33-1	0 1 1 1	3
FBgn0038965 mats	FBgn0021953 Fatp	0 1 1 1	3
FBgn0038965 mats	FBgn0013325 RpL11	0 1 1 1	3
FBgn0038965 mats	FBgn0052699 CG32699	0 1 1 1	3
FBgn0038965 mats	FBgn0003941 RpL40	0 1 1 1	3
FBgn0038965 mats	FBgn0028969 deltaCOP	0 1 1 1	3
FBgn0038965 mats	FBgn0034138 RpS15	0 0 1 1	2
FBgn0038965 mats	FBgn0029823 CG3011	0 0 1 1	2
FBgn0038965 mats	FBgn0032465 CG12404	0 1 0 1	2
FBgn0038965 mats	FBgn0002031 I(2)37Cc	0 1 0 1	2
FBgn0038965 mats	FBgn0262716 Arp66B	0 0 0 2	2
FBgn0038965 mats	FBgn0051735 CG31735	0 0 1 1	2
FBgn0038965 mats	FBgn0016700 Rab1	0 0 1 1	2
FBgn0038965 mats	FBgn0035207 CG9153	0 0 1 1	2
FBgn0038965 mats	FBgn0031263 CG2789	0 1 1 0	2
FBgn0038965 mats	FBgn0010265 RpS13	0 0 1 1	2
FBgn0038965 mats	FBgn0052580 Muc14A	0 2 0 0	2
FBgn0038965 mats	FBgn0005674 Aats-glupro	0 0 1 1	2
FBgn0038965 mats	FBgn0029866 CG3842	0 1 0 1	2
FBgn0038965 mats	FBgn0250823 gish	0 0 1 1	2
FBgn0038965 mats	FBgn0003600 Su(var)3-9	0 0 1 1	2

## (A) entire PPIN

FBgn0038965	<b>mats</b>	FBgn0028470	<b>Patr-1</b>	0 1 1 0	2
FBgn0038965	<b>mats</b>	FBgn0039776	<b>PH4alphaEFB</b>	0 1 1 0	2
FBgn0038965	<b>mats</b>	FBgn0085427	<b>CG34398</b>	0 1 0 1	2
FBgn0038965	<b>mats</b>	FBgn0011742	<b>Arp14D</b>	0 1 0 1	2
FBgn0038965	<b>mats</b>	FBgn0260441	<b>RpS12</b>	0 0 1 1	2
FBgn0038965	<b>mats</b>	FBgn0015834	<b>Trip1</b>	0 1 0 1	2
FBgn0038965	<b>mats</b>	FBgn0010333	<b>Rac1</b>	0 1 1 0	2
FBgn0038965	<b>mats</b>	FBgn0263355	<b>CG31688</b>	0 0 1 1	2
FBgn0038965	<b>mats</b>	FBgn0020910	<b>RpL3</b>	0 0 1 1	2
FBgn0038965	<b>mats</b>	FBgn0034968	<b>RpL12</b>	0 1 0 1	2
FBgn0038965	<b>mats</b>	FBgn0034455	<b>CG11007</b>	0 0 1 1	2
FBgn0038965	<b>mats</b>	FBgn0000339	<b>cni</b>	0 1 0 1	2
FBgn0038965	<b>mats</b>	FBgn0028687	<b>Rpt1</b>	0 0 1 1	2
FBgn0038965	<b>mats</b>	FBgn0029854	<b>CG3566</b>	0 1 0 1	2
FBgn0038965	<b>mats</b>	FBgn0004378	<b>Klp61F</b>	0 0 1 1	2
FBgn0038965	<b>mats</b>	FBgn0037313	<b>CG1161</b>	0 1 0 1	2
FBgn0038965	<b>mats</b>	FBgn0035763	<b>CG8602</b>	0 1 0 1	2
FBgn0038965	<b>mats</b>	FBgn0032643	<b>CG6453</b>	0 1 0 1	2
FBgn0038965	<b>mats</b>	FBgn0033740	<b>dgt5</b>	0 0 2 0	2
FBgn0038965	<b>mats</b>	FBgn0013981	<b>His4r</b>	0 0 1 1	2
FBgn0038965	<b>mats</b>	FBgn0027607	<b>CG8230</b>	0 1 0 1	2
FBgn0038965	<b>mats</b>	FBgn0027338	<b>Kap-alpha3</b>	0 1 1 0	2
FBgn0038965	<b>mats</b>	FBgn0031979	<b>CG7429</b>	0 1 1 0	2
FBgn0038965	<b>mats</b>	FBgn0004888	<b>Scsalpha</b>	0 0 1 1	2
FBgn0038965	<b>mats</b>	FBgn0037279	<b>CG1129</b>	0 0 1 1	2
FBgn0038965	<b>mats</b>	FBgn0027571	<b>CG3523</b>	0 1 0 1	2
FBgn0038965	<b>mats</b>	FBgn0032217	<b>CG4972</b>	0 1 0 1	2
FBgn0038965	<b>mats</b>	FBgn0035753	<b>RpL18</b>	0 0 1 1	2
FBgn0038965	<b>mats</b>	FBgn0037376	<b>CG2051</b>	0 1 0 1	2
FBgn0038965	<b>mats</b>	FBgn0261597	<b>RpS26</b>	0 1 0 1	2
FBgn0038965	<b>mats</b>	FBgn0020633	<b>Mcm7</b>	0 0 1 1	2
FBgn0038965	<b>mats</b>	FBgn0261014	<b>TER94</b>	0 0 1 1	2
FBgn0038965	<b>mats</b>	FBgn0036920	<b>CG8004</b>	0 1 0 1	2
FBgn0038965	<b>mats</b>	FBgn0031661	<b>Gmd</b>	0 0 1 1	2
FBgn0038965	<b>mats</b>	FBgn0034401	<b>CG15100</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0031874	<b>CG13775</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0021906	<b>RF<sub>e</sub>SP</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0038476	<b>kuk</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0027610	<b>Dic1</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0034085	<b>Ptp52F</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0085210	<b>CG34181</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0028737	<b>Ef1beta</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0051363	<b>Jupiter</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0025642	<b>CG32812</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0037590	<b>Or85b</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0250845	<b>CG1288</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0261596	<b>RpS24</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0026753	<b>Vha13</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0027494	<b>RpS10a</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0051453	<b>pch2</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0037989	<b>CG14741</b>	0 0 0 1	1



## (A) entire PPIN

FBgn0038965	<b>mats</b>	FBgn0011787	<b>mRpL12</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0042627	<b>v(2)k05816</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0031310	<b>CG4764</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0014024	<b>Rnp4F</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0030057	<b>Ppt1</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0036749	<b>CG7460</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0004227	<b>nonA</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0033862	<b>CG6209</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0004907	<b>14-3-3zeta</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0030930	<b>GalNAc-T2</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0011286	<b>Rya-r44F</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0038730	<b>CG6300</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0033039	<b>gp210</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0035168	<b>CG13889</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0035416	<b>gry</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0033902	<b>Tango7</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0015737	<b>Hmu</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0002780	<b>mod</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0020912	<b>Ptx1</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0029764	<b>yu</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0027505	<b>rab3-GAP</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0024833	<b>AP-47</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0036511	<b>CG6498</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0010438	<b>mtSSB</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0015283	<b>Pros54</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0033342	<b>CG8258</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0014391	<b>sun</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0040308	<b>Jafrac2</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0015282	<b>Pros26.4</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0086904	<b>Nacalpa</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0030136	<b>RpS28b</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0028695	<b>Rpn1</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0035244	<b>ABCB7</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0033062	<b>Ars2</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0038369	<b>Arpc3A</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0010173	<b>RpA-70</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0260442	<b>rhea</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0019990	<b>Gcn2</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0014009	<b>Rab2</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0039536	<b>CG18437</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0030504	<b>CG2691</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0037249	<b>eIF3-S10</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0032050	<b>CG13096</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0260746	<b>Ect3</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0036509	<b>CG7739</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0051204	<b>CG31204</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0036732	<b>Oatp74D</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0002528	<b>LanB2</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0038611	<b>CG14309</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0000100	<b>RpLP0</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0058042	<b>CG40042</b>	0 0 0 1	1

## (A) entire PPIN

FBgn0038965	<b>mats</b>	FBgn0040007	<b>RpL38</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0004167	<b>kst</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0036702	<b>CG6512</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0000579	<b>Eno</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0011726	<b>tsr</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0053523	<b>CG33523</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0038961	<b>CG13850</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0027616	<b>YT521-B</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0086656	<b>shrb</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0010803	<b>Aats-trp</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0040252	<b>Ugt86Dh</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0051690	<b>CG31690</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0032518	<b>RpL24</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0030466	<b>CG15744</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0037756	<b>CG8507</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0000308	<b>chic</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0259736	<b>CG42390</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0008654	<b>Su(z)2</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0037894	<b>Ranbp9</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0034012	<b>Hr51</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0017590	<b>klg</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0016797	<b>fz2</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0040528	<b>CG15864</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0030697	<b>CG8565</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0039743	<b>CG7946</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0029897	<b>RpL17</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0033397	<b>Cyp4p3</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0001315	<b>kl-5</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0052627	<b>NnaD</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0031459	<b>CG2862</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0003261	<b>Rm62</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0028360	<b>I(1)G0148</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0004237	<b>Hrb87F</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0040286	<b>SC35</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0004908	<b>Arf84F</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0015756	<b>RpL9</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0036159	<b>CG7557</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0033421	<b>CG1888</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0028327	<b>I(1)G0320</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0025352	<b>Thiolase</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0024238	<b>Fim</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0001313	<b>kl-2</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0034035	<b>CG8207</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0029755	<b>Sas10</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0051998	<b>CG31998</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0035091	<b>CG3829</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0050462	<b>ste24c</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0027107	<b>inx6</b>	0 0 1 0	1
FBgn0038965	<b>mats</b>	FBgn0034398	<b>CG15098</b>	0 1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0085289	<b>CG34260</b>	0 0 0 1	1
FBgn0038965	<b>mats</b>	FBgn0034237	<b>eIF3-S9</b>	0 0 0 1	1

## (A) entire PPIN

FBgn0038965	<b>mats</b>	FBgn0015609	<b>CadN</b>	0	1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0030673	<b>CG15601</b>	0	1 0 0	1
FBgn0038965	<b>mats</b>	FBgn0038550	<b>CG17801</b>	0	0 0 1	1
FBgn0261456	<b>hpo</b>	FBgn0039055	<b>Rassf</b>	1	47 36 29	112
FBgn0261456	<b>hpo</b>	FBgn0053193	<b>sav</b>	1	28 25 15	68
FBgn0261456	<b>hpo</b>	FBgn0024556	<b>EfTuM</b>	1	11 9 11	31
FBgn0261456	<b>hpo</b>	FBgn0023388	<b>Dap160</b>	1	7 8 6	21
FBgn0261456	<b>hpo</b>	FBgn0020255	<b>ran</b>	0.99	7 9 5	21
FBgn0261456	<b>hpo</b>	FBgn0010348	<b>Arf79F</b>	0.99	7 7 5	19
FBgn0261456	<b>hpo</b>	FBgn0035060	<b>Eps-15</b>	0.99	5 6 5	16
FBgn0261456	<b>hpo</b>	FBgn0263006	<b>Ca-P60A</b>	0.98	4 6 5	15
FBgn0261456	<b>hpo</b>	FBgn0030086	<b>CG7033</b>	0.91	8 7 4	19
FBgn0261456	<b>hpo</b>	FBgn0000497	<b>ds</b>	0.82	11 7 44	62
FBgn0261456	<b>hpo</b>	FBgn0010411	<b>RpS18</b>	0.8	4 4 5	13
FBgn0261456	<b>hpo</b>	FBgn0003517	<b>sta</b>	0.79	4 3 2	9
FBgn0261456	<b>hpo</b>	FBgn0020235	<b>ATPsyn-gamn</b>	0.78	3 2 3	8
FBgn0261456	<b>hpo</b>	FBgn0003600	<b>Su(var)3-9</b>	0.69	4 4 1	9
FBgn0261456	<b>hpo</b>	FBgn0013770	<b>Cp1</b>	0.69	4 3 1	8
FBgn0261456	<b>hpo</b>	FBgn0040007	<b>RpL38</b>	0.69	3 2 2	7
FBgn0261456	<b>hpo</b>	FBgn0020633	<b>Mcm7</b>	0.68	2 2 3	7
FBgn0261456	<b>hpo</b>	FBgn0250814	<b>CG4169</b>	0.66	10 9 8	27
FBgn0261456	<b>hpo</b>	FBgn0026409	<b>Mpcp</b>	0.65	5 4 1	10
FBgn0261456	<b>hpo</b>	FBgn0015019	<b>Cctgamma</b>	0.65	2 5 2	9
FBgn0261456	<b>hpo</b>	FBgn0037912	<b>sea</b>	0.54	2 2 1	5
FBgn0261456	<b>hpo</b>	FBgn0037643	<b>skap</b>	0.52	3 3 3	9
FBgn0261456	<b>hpo</b>	FBgn0010621	<b>Cct5</b>	0.51	3 4 3	10
FBgn0261456	<b>hpo</b>	FBgn0033761	<b>CG8778</b>	0.49	1 2 2	5
FBgn0261456	<b>hpo</b>	FBgn0014010	<b>Rab5</b>	0.49	2 3 0	5
FBgn0261456	<b>hpo</b>	FBgn0020618	<b>Rack1</b>	0.47	4 5 1	10
FBgn0261456	<b>hpo</b>	FBgn0035811	<b>CG12262</b>	0.47	3 3 3	9
FBgn0261456	<b>hpo</b>	FBgn0025352	<b>Thiolase</b>	0.47	2 5 2	9
FBgn0261456	<b>hpo</b>	FBgn0010217	<b>ATPsyn-beta</b>	0.43	13 15 14	42
FBgn0261456	<b>hpo</b>	FBgn0037607	<b>CG8036</b>	0.43	4 2 1	7
FBgn0261456	<b>hpo</b>	FBgn0005533	<b>RpS17</b>	0.42	4 3 2	9
FBgn0261456	<b>hpo</b>	FBgn0031310	<b>CG4764</b>	0.42	1 2 1	4
FBgn0261456	<b>hpo</b>	FBgn0003676	<b>T-cp1</b>	0.4	16 15 9	40
FBgn0261456	<b>hpo</b>	FBgn0029093	<b>cathD</b>	0.4	8 7 5	20
FBgn0261456	<b>hpo</b>	FBgn0027329	<b>Tcp-1zeta</b>	0.39	6 5 4	15
FBgn0261456	<b>hpo</b>	FBgn0037551	<b>Gie</b>	0.39	2 0 2	4
FBgn0261456	<b>hpo</b>	FBgn0014189	<b>Hel25E</b>	0.38	8 8 4	20
FBgn0261456	<b>hpo</b>	FBgn0010516	<b>wal</b>	0.38	4 2 2	8
FBgn0261456	<b>hpo</b>	FBgn0039130	<b>CG5854</b>	0.37	1 2 1	4
FBgn0261456	<b>hpo</b>	FBgn0016685	<b>Nlp</b>	0.33	2 1 0	3
FBgn0261456	<b>hpo</b>	FBgn0039635	<b>CG11876</b>	0.31	2 1 0	3
FBgn0261456	<b>hpo</b>	FBgn0019936	<b>RpS20</b>	0.3	5 7 3	15
FBgn0261456	<b>hpo</b>	FBgn0003607	<b>Su(var)205</b>	0.29	3 0 0	3
FBgn0261456	<b>hpo</b>	FBgn0261609	<b>eIF-2alpha</b>	0.27	4 5 3	12
FBgn0261456	<b>hpo</b>	FBgn0015797	<b>Rab6</b>	0.27	2 2 1	5
FBgn0261456	<b>hpo</b>	FBgn0034138	<b>RpS15</b>	0.27	0 2 1	3
FBgn0261456	<b>hpo</b>	FBgn0014009	<b>Rab2</b>	0.27	1 2 0	3
FBgn0261456	<b>hpo</b>	FBgn0033342	<b>CG8258</b>	0.26	1 1 2	4

## (A) entire PPIN

FBgn0261456	<b>hpo</b>	FBgn0022349	<b>CG1910</b>	<b>0.26</b>	3 0 0	3
FBgn0261456	<b>hpo</b>	FBgn0011211	<b>blw</b>	<b>0.22</b>	14 10 11	35
FBgn0261456	<b>hpo</b>	FBgn0263598	<b>Vha68-2</b>	<b>0.22</b>	2 0 0	2
FBgn0261456	<b>hpo</b>	FBgn0040011	<b>CG17494</b>	<b>0.21</b>	3 1 0	4
FBgn0261456	<b>hpo</b>	FBgn0032961	<b>CG1416</b>	<b>0.2</b>	1 1 2	4
FBgn0261456	<b>hpo</b>	FBgn0053303	<b>CG33303</b>	<b>0.19</b>	7 8 4	19
FBgn0261456	<b>hpo</b>	FBgn0037719	<b>bocksbeutel</b>	<b>0.19</b>	5 4 1	10
FBgn0261456	<b>hpo</b>	FBgn0015929	<b>dpa</b>	<b>0.18</b>	1 2 1	4
FBgn0261456	<b>hpo</b>	FBgn0028685	<b>Rpt4</b>	<b>0.17</b>	2 0 0	2
FBgn0261456	<b>hpo</b>	FBgn0086443	<b>Aats-asn</b>	<b>0.17</b>	2 0 0	2
FBgn0261456	<b>hpo</b>	FBgn0010774	<b>Aly</b>	<b>0.17</b>	2 0 0	2
FBgn0261456	<b>hpo</b>	FBgn0029118	<b>Sucb</b>	<b>0.16</b>	5 4 3	12
FBgn0261456	<b>hpo</b>	FBgn0010265	<b>RpS13</b>	<b>0.16</b>	3 3 2	8
FBgn0261456	<b>hpo</b>	FBgn0033844	<b>bbc</b>	<b>0.16</b>	2 1 0	3
FBgn0261456	<b>hpo</b>	FBgn0039300	<b>RpS27</b>	<b>0.15</b>	5 3 3	11
FBgn0261456	<b>hpo</b>	FBgn0038805	<b>TFAM</b>	<b>0.15</b>	4 3 1	8
FBgn0261456	<b>hpo</b>	FBgn0001075	<b>ft</b>	<b>0.15</b>	1 1 2	4
FBgn0261456	<b>hpo</b>	FBgn0263594	<b>lost</b>	<b>0.15</b>	1 2 0	3
FBgn0261456	<b>hpo</b>	FBgn0032444	<b>CG5525</b>	<b>0.14</b>	5 1 1	7
FBgn0261456	<b>hpo</b>	FBgn0038965	<b>mats</b>	<b>0.14</b>	1 1 2	4
FBgn0261456	<b>hpo</b>	FBgn0064225	<b>RpL5</b>	<b>0.14</b>	2 2 0	4
FBgn0261456	<b>hpo</b>	FBgn0034743	<b>RpS16</b>	<b>0.12</b>	9 10 6	25
FBgn0261456	<b>hpo</b>	FBgn0017545	<b>RpS3A</b>	<b>0.11</b>	4 3 2	9
FBgn0261456	<b>hpo</b>	FBgn0004867	<b>RpS2</b>	<b>0.1</b>	4 7 2	13
FBgn0261456	<b>hpo</b>	FBgn0022288	<b>I(2)09851</b>	<b>0.1</b>	2 1 1	4
FBgn0261456	<b>hpo</b>	FBgn0010408	<b>RpS9</b>	<b>0.07</b>	4 4 3	11
FBgn0261456	<b>hpo</b>	FBgn0037632	<b>Tcp-1eta</b>	<b>0.07</b>	3 2 1	6
FBgn0261456	<b>hpo</b>	FBgn0010078	<b>RpL23</b>	<b>0.06</b>	7 6 6	19
FBgn0261456	<b>hpo</b>	FBgn0034968	<b>RpL12</b>	<b>0.06</b>	4 4 3	11
FBgn0261456	<b>hpo</b>	FBgn0001197	<b>His2Av</b>	<b>0.06</b>	1 2 1	4
FBgn0261456	<b>hpo</b>	FBgn0015283	<b>Pros54</b>	<b>0.05</b>	1 2 1	4
FBgn0261456	<b>hpo</b>	FBgn0039562	<b>Gp93</b>	<b>0.05</b>	2 0 1	3
FBgn0261456	<b>hpo</b>	FBgn0086710	<b>RpL30</b>	<b>0.04</b>	2 1 2	5
FBgn0261456	<b>hpo</b>	FBgn0028734	<b>Fmr1</b>	<b>0.03</b>	6 4 1	11
FBgn0261456	<b>hpo</b>	FBgn0053868	<b>His2B:CG3386</b>	<b>0.03</b>	2 0 1	3
FBgn0261456	<b>hpo</b>	FBgn0001942	<b>eIF-4a</b>	<b>0.02</b>	12 13 9	34
FBgn0261456	<b>hpo</b>	FBgn0000253	<b>Cam</b>	<b>0.02</b>	1 1 3	5
FBgn0261456	<b>hpo</b>	FBgn0002622	<b>RpS3</b>	<b>0.01</b>	14 13 7	34
FBgn0261456	<b>hpo</b>	FBgn0036213	<b>RpL10Ab</b>	<b>0.01</b>	4 6 7	17
FBgn0261456	<b>hpo</b>	FBgn0261593	<b>RpS10b</b>	<b>0.01</b>	5 5 3	13
FBgn0261456	<b>hpo</b>	FBgn0030993	<b>Mec2</b>	<b>0.01</b>	4 4 4	12
FBgn0261456	<b>hpo</b>	FBgn0028327	<b>I(1)G0320</b>	<b>0.01</b>	2 2 4	8
FBgn0261456	<b>hpo</b>	FBgn0039580	<b>Gfat2</b>	<b>0.01</b>	2 2 1	5
FBgn0261456	<b>hpo</b>	FBgn0028687	<b>Rpt1</b>	<b>0.01</b>	3 2 0	5
FBgn0261456	<b>hpo</b>	FBgn0030672	<b>CG9281</b>	<b>0.01</b>	1 2 1	4
FBgn0261456	<b>hpo</b>	FBgn0028695	<b>Rpn1</b>	<b>0.01</b>	0 1 2	3
FBgn0261456	<b>hpo</b>	FBgn0005634	<b>zip</b>	<b>0</b>	194 180 178	552
FBgn0261456	<b>hpo</b>	FBgn0000556	<b>Ef1alpha48D</b>	<b>0</b>	40 43 44	127
FBgn0261456	<b>hpo</b>	FBgn0000042	<b>Act5C</b>	<b>0</b>	36 33 29	98
FBgn0261456	<b>hpo</b>	FBgn0003887	<b>betaTub56D</b>	<b>0</b>	33 34 24	91
FBgn0261456	<b>hpo</b>	FBgn0001219	<b>Hsc70-4</b>	<b>0</b>	32 28 24	84

## (A) entire PPIN

FBgn0261456	<b>hpo</b>	FBgn0003884	<b>alphaTub84B</b>	0 26 25 20	71
FBgn0261456	<b>hpo</b>	FBgn0003178	<b>PyK</b>	0 22 25 19	66
FBgn0261456	<b>hpo</b>	FBgn0003721	<b>Tm1</b>	0 20 19 24	63
FBgn0261456	<b>hpo</b>	FBgn0002525	<b>Lam</b>	0 18 13 8	39
FBgn0261456	<b>hpo</b>	FBgn0039757	<b>RpS7</b>	0 12 12 9	33
FBgn0261456	<b>hpo</b>	FBgn0001218	<b>Hsc70-3</b>	0 12 11 9	32
FBgn0261456	<b>hpo</b>	FBgn0003360	<b>sesB</b>	0 11 9 9	29
FBgn0261456	<b>hpo</b>	FBgn0004687	<b>Mlc-c</b>	0 9 11 9	29
FBgn0261456	<b>hpo</b>	FBgn0037891	<b>CG5214</b>	0 9 11 7	27
FBgn0261456	<b>hpo</b>	FBgn0030699	<b>CG8578</b>	0 8 9 8	25
FBgn0261456	<b>hpo</b>	FBgn0003888	<b>betaTub60D</b>	0 8 7 8	23
FBgn0261456	<b>hpo</b>	FBgn0001233	<b>Hsp83</b>	0 8 6 8	22
FBgn0261456	<b>hpo</b>	FBgn0000709	<b>filI</b>	0 9 8 5	22
FBgn0261456	<b>hpo</b>	FBgn0039697	<b>CG7834</b>	0 7 6 5	18
FBgn0261456	<b>hpo</b>	FBgn0035499	<b>Chd64</b>	0 5 7 5	17
FBgn0261456	<b>hpo</b>	FBgn0011284	<b>RpS4</b>	0 6 5 4	15
FBgn0261456	<b>hpo</b>	FBgn0263231	<b>bel</b>	0 8 5 1	14
FBgn0261456	<b>hpo</b>	FBgn0000044	<b>Act57B</b>	0 5 5 3	13
FBgn0261456	<b>hpo</b>	FBgn0262734	<b>Rbp2</b>	0 6 4 3	13
FBgn0261456	<b>hpo</b>	FBgn0082582	<b>tmod</b>	0 4 3 5	12
FBgn0261456	<b>hpo</b>	FBgn0010198	<b>RpS15Aa</b>	0 5 3 4	12
FBgn0261456	<b>hpo</b>	FBgn0263391	<b>hts</b>	0 6 5 1	12
FBgn0261456	<b>hpo</b>	FBgn0001216	<b>Hsc70-1</b>	0 5 4 3	12
FBgn0261456	<b>hpo</b>	FBgn0263396	<b>sqd</b>	0 4 4 3	11
FBgn0261456	<b>hpo</b>	FBgn0027066	<b>Eb1</b>	0 5 5 1	11
FBgn0261456	<b>hpo</b>	FBgn0004403	<b>RpS14a</b>	0 5 3 3	11
FBgn0261456	<b>hpo</b>	FBgn0034577	<b>cpa</b>	0 5 4 2	11
FBgn0261456	<b>hpo</b>	FBgn0031977	<b>baf</b>	0 4 2 5	11
FBgn0261456	<b>hpo</b>	FBgn0015778	<b>rin</b>	0 3 5 2	10
FBgn0261456	<b>hpo</b>	FBgn0038145	<b>Droj2</b>	0 6 2 2	10
FBgn0261456	<b>hpo</b>	FBgn0004888	<b>Scsalpha</b>	0 3 4 3	10
FBgn0261456	<b>hpo</b>	FBgn0000181	<b>bic</b>	0 5 2 2	9
FBgn0261456	<b>hpo</b>	FBgn0003890	<b>betaTub97EF</b>	0 3 3 3	9
FBgn0261456	<b>hpo</b>	FBgn0001220	<b>Hsc70-5</b>	0 4 3 2	9
FBgn0261456	<b>hpo</b>	FBgn0027932	<b>Akap200</b>	0 5 2 2	9
FBgn0261456	<b>hpo</b>	FBgn0004363	<b>porin</b>	0 4 3 2	9
FBgn0261456	<b>hpo</b>	FBgn0000258	<b>CklIalpha</b>	0 3 3 3	9
FBgn0261456	<b>hpo</b>	FBgn0261619	<b>pAbp</b>	0 2 4 2	8
FBgn0261456	<b>hpo</b>	FBgn0011570	<b>cpb</b>	0 2 2 4	8
FBgn0261456	<b>hpo</b>	FBgn0029176	<b>Ef1gamma</b>	0 3 2 2	7
FBgn0261456	<b>hpo</b>	FBgn0086904	<b>Nacalalpha</b>	0 2 3 2	7
FBgn0261456	<b>hpo</b>	FBgn0051363	<b>Jupiter</b>	0 2 3 1	6
FBgn0261456	<b>hpo</b>	FBgn0001217	<b>Hsc70-2</b>	0 2 2 2	6
FBgn0261456	<b>hpo</b>	FBgn0087035	<b>AGO2</b>	0 3 3 0	6
FBgn0261456	<b>hpo</b>	FBgn0004237	<b>Hrb87F</b>	0 3 3 0	6
FBgn0261456	<b>hpo</b>	FBgn0035608	<b>blanks</b>	0 1 2 2	5
FBgn0261456	<b>hpo</b>	FBgn0031256	<b>CG4164</b>	0 1 2 2	5
FBgn0261456	<b>hpo</b>	FBgn0013325	<b>RpL11</b>	0 2 1 2	5
FBgn0261456	<b>hpo</b>	FBgn0015756	<b>RpL9</b>	0 2 2 1	5
FBgn0261456	<b>hpo</b>	FBgn0028969	<b>deltaCOP</b>	0 1 3 1	5
FBgn0261456	<b>hpo</b>	FBgn0025286	<b>RpL31</b>	0 1 2 1	4

## (A) entire PPIN

FBgn0261456	<b>hpo</b>	FBgn0039776	<b>PH4alphaEFB</b>	0 2 2 0	4
FBgn0261456	<b>hpo</b>	FBgn0015834	<b>Trip1</b>	0 1 2 1	4
FBgn0261456	<b>hpo</b>	FBgn0032731	<b>CG10641</b>	0 2 2 0	4
FBgn0261456	<b>hpo</b>	FBgn0001961	<b>Sop2</b>	0 2 2 0	4
FBgn0261456	<b>hpo</b>	FBgn0040227	<b>eIF-3p66</b>	0 1 2 1	4
FBgn0261456	<b>hpo</b>	FBgn0003022	<b>Ote</b>	0 3 1 0	4
FBgn0261456	<b>hpo</b>	FBgn0034970	<b>yki</b>	0 2 0 1	3
FBgn0261456	<b>hpo</b>	FBgn0250789	<b>alpha-Spec</b>	0 2 0 1	3
FBgn0261456	<b>hpo</b>	FBgn0086768	<b>Pcmt</b>	0 1 1 1	3
FBgn0261456	<b>hpo</b>	FBgn0003514	<b>sqh</b>	0 1 0 2	3
FBgn0261456	<b>hpo</b>	FBgn0261397	<b>didum</b>	0 2 1 0	3
FBgn0261456	<b>hpo</b>	FBgn0005586	<b>Rab3</b>	0 1 1 1	3
FBgn0261456	<b>hpo</b>	FBgn0027494	<b>RpS10a</b>	0 1 1 1	3
FBgn0261456	<b>hpo</b>	FBgn0011016	<b>SsRbeta</b>	0 1 1 1	3
FBgn0261456	<b>hpo</b>	FBgn0046214	<b>vig2</b>	0 3 0 0	3
FBgn0261456	<b>hpo</b>	FBgn0010246	<b>Myo61F</b>	0 3 0 0	3
FBgn0261456	<b>hpo</b>	FBgn0026761	<b>Trap1</b>	0 1 1 1	3
FBgn0261456	<b>hpo</b>	FBgn0014391	<b>sun</b>	0 1 1 1	3
FBgn0261456	<b>hpo</b>	FBgn0036300	<b>CG10688</b>	0 1 1 1	3
FBgn0261456	<b>hpo</b>	FBgn0021795	<b>Tapdelta</b>	0 1 1 1	3
FBgn0261456	<b>hpo</b>	FBgn0000173	<b>ben</b>	0 0 2 1	3
FBgn0261456	<b>hpo</b>	FBgn0014029	<b>Sep2</b>	0 1 1 1	3
FBgn0261456	<b>hpo</b>	FBgn0027338	<b>Kap-alpha3</b>	0 1 1 1	3
FBgn0261456	<b>hpo</b>	FBgn0262603	<b>sec8</b>	0 1 1 1	3
FBgn0261456	<b>hpo</b>	FBgn0002645	<b>Map205</b>	0 1 1 1	3
FBgn0261456	<b>hpo</b>	FBgn0003261	<b>Rm62</b>	0 2 1 0	3
FBgn0261456	<b>hpo</b>	FBgn0000319	<b>Chc</b>	0 1 2 0	3
FBgn0261456	<b>hpo</b>	FBgn0029823	<b>CG3011</b>	0 1 0 1	2
FBgn0261456	<b>hpo</b>	FBgn0015268	<b>Nap1</b>	0 0 1 1	2
FBgn0261456	<b>hpo</b>	FBgn0051413	<b>CG31413</b>	0 1 1 0	2
FBgn0261456	<b>hpo</b>	FBgn0016700	<b>Rab1</b>	0 1 1 0	2
FBgn0261456	<b>hpo</b>	FBgn0003345	<b>sd</b>	0 1 0 1	2
FBgn0261456	<b>hpo</b>	FBgn0020513	<b>ade5</b>	0 1 1 0	2
FBgn0261456	<b>hpo</b>	FBgn0033205	<b>CG2064</b>	0 1 1 0	2
FBgn0261456	<b>hpo</b>	FBgn0035987	<b>CG3689</b>	0 1 0 1	2
FBgn0261456	<b>hpo</b>	FBgn0000559	<b>Ef2b</b>	0 1 0 1	2
FBgn0261456	<b>hpo</b>	FBgn0026753	<b>Vha13</b>	0 1 1 0	2
FBgn0261456	<b>hpo</b>	FBgn0028470	<b>Patr-1</b>	0 1 0 1	2
FBgn0261456	<b>hpo</b>	FBgn0034259	<b>CG6459</b>	0 0 1 1	2
FBgn0261456	<b>hpo</b>	FBgn0004227	<b>nonA</b>	0 2 0 0	2
FBgn0261456	<b>hpo</b>	FBgn0036892	<b>CG8798</b>	0 0 1 1	2
FBgn0261456	<b>hpo</b>	FBgn0033902	<b>Tango7</b>	0 1 1 0	2
FBgn0261456	<b>hpo</b>	FBgn0026562	<b>BM-40-SPARC</b>	0 1 1 0	2
FBgn0261456	<b>hpo</b>	FBgn0020910	<b>RpL3</b>	0 1 1 0	2
FBgn0261456	<b>hpo</b>	FBgn0030136	<b>RpS28b</b>	0 1 0 1	2
FBgn0261456	<b>hpo</b>	FBgn0036121	<b>CG6310</b>	0 1 1 0	2
FBgn0261456	<b>hpo</b>	FBgn0035471	<b>Sc2</b>	0 1 1 0	2
FBgn0261456	<b>hpo</b>	FBgn0004828	<b>His3.3B</b>	0 1 1 0	2
FBgn0261456	<b>hpo</b>	FBgn0261068	<b>LSm7</b>	0 1 1 0	2
FBgn0261456	<b>hpo</b>	FBgn0035229	<b>CG7852</b>	0 1 0 1	2
FBgn0261456	<b>hpo</b>	FBgn0015795	<b>Rab7</b>	0 1 1 0	2

## (A) entire PPIN

FBgn0261456	<b>hpo</b>	FBgn0030747	<b>CG4301</b>	0 1 0 1	2
FBgn0261456	<b>hpo</b>	FBgn0032435	<b>Oatp33Eb</b>	0 1 0 1	2
FBgn0261456	<b>hpo</b>	FBgn0261599	<b>RpS29</b>	0 1 1 0	2
FBgn0261456	<b>hpo</b>	FBgn0032393	<b>CG12264</b>	0 1 1 0	2
FBgn0261456	<b>hpo</b>	FBgn0011710	<b>Sep1</b>	0 1 1 0	2
FBgn0261456	<b>hpo</b>	FBgn0027571	<b>CG3523</b>	0 1 1 0	2
FBgn0261456	<b>hpo</b>	FBgn0037376	<b>CG2051</b>	0 1 1 0	2
FBgn0261456	<b>hpo</b>	FBgn0039209	<b>CG13624</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0036882	<b>CG9279</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0001142	<b>Gs1</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0263351	<b>AP-50</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0034249	<b>RhoGAP54D</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0033194	<b>Vps13</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0029688	<b>Iva</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0033142	<b>CG12835</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0038476	<b>kuk</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0015589	<b>Apc</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0036004	<b>Jarid2</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0037895	<b>CG6723</b>	0 0 0 1	1
FBgn0261456	<b>hpo</b>	FBgn0039359	<b>RpL27</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0064117	<b>CG33714</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0028737	<b>Ef1beta</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0030764	<b>CG9777</b>	0 0 0 1	1
FBgn0261456	<b>hpo</b>	FBgn0003483	<b>spn-E</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0025687	<b>LKR</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0035438	<b>PHGPx</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0032915	<b>CG12050</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0053129	<b>CG33129</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0034529	<b>CG16742</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0027785	<b>NP15.6</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0050115	<b>CG30115</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0003656	<b>sws</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0031069	<b>CG12703</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0037143	<b>CG7448</b>	0 0 0 1	1
FBgn0261456	<b>hpo</b>	FBgn0003124	<b>polo</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0002921	<b>Atpalpha</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0050489	<b>Cyp12d1-p</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0263257	<b>cngl</b>	0 0 0 1	1
FBgn0261456	<b>hpo</b>	FBgn0083960	<b>CG34124</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0086712	<b>Egm</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0039085	<b>CG10170</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0028331	<b>I(1)G0289</b>	0 0 0 1	1
FBgn0261456	<b>hpo</b>	FBgn0051560	<b>CG31560</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0050122	<b>CG30122</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0033636	<b>tou</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0260743	<b>CG18347</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0039304	<b>CG10425</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0028684	<b>Tbp-1</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0004907	<b>14-3-3zeta</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0002593	<b>RpLP1</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0030940	<b>CG15040</b>	0 0 0 1	1

## (A) entire PPIN

FBgn0261456	<b>hpo</b>	FBgn0011286	<b>Rya-r44F</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0014163	<b>fax</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0261524	<b>lic</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0024183	<b>vig</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0010333	<b>Rac1</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0027598	<b>cindr</b>	0 0 0 1	1
FBgn0261456	<b>hpo</b>	FBgn0038224	<b>CG3321</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0013675	<b>mt:Coll</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0036131	<b>CG12522</b>	0 0 0 1	1
FBgn0261456	<b>hpo</b>	FBgn0022768	<b>Pp2C1</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0033264	<b>Nup50</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0039886	<b>CG2003</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0263347	<b>Caf1</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0263350	<b>alpha-Adaptin</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0034110	<b>Atg9</b>	0 0 0 1	1
FBgn0261456	<b>hpo</b>	FBgn0261570	<b>CG42684</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0011674	<b>insc</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0015282	<b>Pros26.4</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0262126	<b>gho</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0025457	<b>Bub3</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0024364	<b>CG11417</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0003206	<b>Ras64B</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0010173	<b>RpA-70</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0001105	<b>Gbeta13F</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0261380	<b>mRpL37</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0086690	<b>cp309</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0030098	<b>CG12057</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0003312	<b>sad</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0031814	<b>retm</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0025885	<b>Inos</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0053988	<b>CG33988</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0262111	<b>f</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0030409	<b>CG15728</b>	0 0 0 1	1
FBgn0261456	<b>hpo</b>	FBgn0000100	<b>RpLP0</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0261509	<b>haf</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0030087	<b>CG7766</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0038753	<b>CG4459</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0029974	<b>dpr14</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0035872	<b>CG7185</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0010575	<b>sbb</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0011726	<b>tsr</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0053523	<b>CG33523</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0004143	<b>nullo</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0032987	<b>RpL21</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0063493	<b>GstE7</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0038742	<b>Arc42</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0262601	<b>SmB</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0032881	<b>CG9319</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0037060	<b>CG10508</b>	0 0 0 1	1
FBgn0261456	<b>hpo</b>	FBgn0261710	<b>nocte</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0023213	<b>eIF4G</b>	0 1 0 0	1



## (A) entire PPIN

FBgn0261456	<b>hpo</b>	FBgn0030943	<b>CG6540</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0025700	<b>CG5885</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0033464	<b>CG1441</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0013981	<b>His4r</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0021847	<b>I(2)k14710</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0039959	<b>CG17514</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0029687	<b>Vap-33-1</b>	0 0 0 1	1
FBgn0261456	<b>hpo</b>	FBgn0260634	<b>eIF4G2</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0032240	<b>CG17768</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0010380	<b>Bap</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0020369	<b>Pros45</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0016797	<b>fz2</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0031209	<b>Ir21a</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0011703	<b>RnrL</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0039854	<b>CG1635</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0040528	<b>CG15864</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0030594	<b>CG9509</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0037924	<b>CG14712</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0004865	<b>Eip78C</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0032910	<b>CG9265</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0032035	<b>CG13393</b>	0 0 0 1	1
FBgn0261456	<b>hpo</b>	FBgn0027376	<b>rha</b>	0 0 0 1	1
FBgn0261456	<b>hpo</b>	FBgn0030581	<b>CG14408</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0003274	<b>RpLP2</b>	0 0 0 1	1
FBgn0261456	<b>hpo</b>	FBgn0039159	<b>mRpS24</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0035398	<b>Cht7</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0030177	<b>CG2972</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0041775	<b>tral</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0030606	<b>CG9053</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0032217	<b>CG4972</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0035753	<b>RpL18</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0004574	<b>Rop</b>	0 0 0 1	1
FBgn0261456	<b>hpo</b>	FBgn0003386	<b>Shaw</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0040091	<b>Ugt58Fa</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0023167	<b>SmD3</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0028691	<b>Rpn9</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0038723	<b>CG6195</b>	0 0 0 1	1
FBgn0261456	<b>hpo</b>	FBgn0032880	<b>CG9318</b>	0 0 0 1	1
FBgn0261456	<b>hpo</b>	FBgn0037717	<b>CG8301</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0001258	<b>ImpL3</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0033400	<b>CG2063</b>	0 0 0 1	1
FBgn0261456	<b>hpo</b>	FBgn0028670	<b>Vha100-2</b>	0 0 0 1	1
FBgn0261456	<b>hpo</b>	FBgn0036763	<b>CG7441</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0024509	<b>sec13</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0037652	<b>CG11980</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0000406	<b>Cyt-b5-r</b>	0 1 0 0	1
FBgn0261456	<b>hpo</b>	FBgn0029092	<b>ced-6</b>	0 0 1 0	1
FBgn0261456	<b>hpo</b>	FBgn0000317	<b>ck</b>	0 0 0 1	1
FBgn0261456	<b>hpo</b>	FBgn0030797	<b>CG13004</b>	0 0 0 1	1
FBgn0001075	<b>ft</b>	FBgn0025885	<b>Inos</b>	1 20 20 20	60
FBgn0001075	<b>ft</b>	FBgn0000064	<b>Ald</b>	1 15 14 18	47

## (A) entire PPIN

FBgn0001075 ft	FBgn0028479 <b>CG4389</b>	1 15 14 15	44
FBgn0001075 ft	FBgn0263350 <b>alpha-Adaptin</b>	1 10 8 14	32
FBgn0001075 ft	FBgn0014029 <b>Sep2</b>	1 11 9 11	31
FBgn0001075 ft	FBgn0010380 <b>Bap</b>	1 9 8 9	26
FBgn0001075 ft	FBgn0027835 <b>Dp1</b>	1 7 9 8	24
FBgn0001075 ft	FBgn0039302 <b>Nup358</b>	1 7 6 11	24
FBgn0001075 ft	FBgn0010434 <b>cora</b>	1 6 6 9	21
FBgn0001075 ft	FBgn0037728 <b>CG16817</b>	1 7 7 7	21
FBgn0001075 ft	FBgn0010909 <b>msn</b>	1 9 5 6	20
FBgn0001075 ft	FBgn0033339 <b>sec31</b>	1 6 5 8	19
FBgn0001075 ft	FBgn0261458 <b>capt</b>	1 5 6 8	19
FBgn0001075 ft	FBgn0261014 <b>TER94</b>	1 6 6 7	19
FBgn0001075 ft	FBgn0024238 <b>Fim</b>	1 5 5 5	15
FBgn0001075 ft	FBgn0025352 <b>Thiolase</b>	<b>0.99</b> 8 7 5	20
FBgn0001075 ft	FBgn0034345 <b>CG5174</b>	<b>0.99</b> 6 5 8	19
FBgn0001075 ft	FBgn0039924 <b>CG17471</b>	<b>0.99</b> 4 7 7	18
FBgn0001075 ft	FBgn0031450 <b>Hrs</b>	<b>0.99</b> 5 4 6	15
FBgn0001075 ft	FBgn0029882 <b>CG3226</b>	<b>0.98</b> 8 4 8	20
FBgn0001075 ft	FBgn0033890 <b>Ctf4</b>	<b>0.98</b> 7 4 8	19
FBgn0001075 ft	FBgn0033264 <b>Nup50</b>	<b>0.98</b> 7 4 4	15
FBgn0001075 ft	FBgn0003346 <b>RanGap</b>	<b>0.98</b> 4 6 4	14
FBgn0001075 ft	FBgn0023213 <b>eIF4G</b>	<b>0.97</b> 7 6 4	17
FBgn0001075 ft	FBgn0011704 <b>RnrS</b>	<b>0.94</b> 4 3 4	11
FBgn0001075 ft	FBgn0022343 <b>CG3760</b>	<b>0.93</b> 6 3 4	13
FBgn0001075 ft	FBgn0029687 <b>Vap-33-1</b>	<b>0.92</b> 3 3 6	12
FBgn0001075 ft	FBgn0013726 <b>pnut</b>	<b>0.91</b> 7 9 13	29
FBgn0001075 ft	FBgn0000578 <b>ena</b>	<b>0.91</b> 3 3 4	10
FBgn0001075 ft	FBgn0063485 <b>Lasp</b>	<b>0.9</b> 5 3 5	13
FBgn0001075 ft	FBgn0025865 <b>Cortactin</b>	<b>0.9</b> 3 3 5	11
FBgn0001075 ft	FBgn0038965 <b>mats</b>	<b>0.89</b> 3 5 8	16
FBgn0001075 ft	FBgn0003600 <b>Su(var)3-9</b>	<b>0.89</b> 6 3 3	12
FBgn0001075 ft	FBgn0003392 <b>shi</b>	<b>0.88</b> 4 3 3	10
FBgn0001075 ft	FBgn0024509 <b>sec13</b>	<b>0.88</b> 3 3 3	9
FBgn0001075 ft	FBgn0011771 <b>Hem</b>	<b>0.87</b> 4 4 3	11
FBgn0001075 ft	FBgn0035424 <b>CG11505</b>	<b>0.86</b> 6 5 6	17
FBgn0001075 ft	FBgn0025457 <b>Bub3</b>	<b>0.83</b> 4 2 4	10
FBgn0001075 ft	FBgn0261119 <b>Prp19</b>	<b>0.81</b> 5 2 3	10
FBgn0001075 ft	FBgn0004378 <b>Klp61F</b>	<b>0.79</b> 3 2 5	10
FBgn0001075 ft	FBgn0037607 <b>CG8036</b>	<b>0.78</b> 3 3 3	9
FBgn0001075 ft	FBgn0263351 <b>AP-50</b>	<b>0.74</b> 4 2 3	9
FBgn0001075 ft	FBgn0032961 <b>CG1416</b>	<b>0.73</b> 3 4 2	9
FBgn0001075 ft	FBgn0261552 <b>ps</b>	<b>0.71</b> 4 2 3	9
FBgn0001075 ft	FBgn0034118 <b>Nup62</b>	<b>0.71</b> 2 3 3	8
FBgn0001075 ft	FBgn0027598 <b>cindr</b>	<b>0.7</b> 7 2 6	15
FBgn0001075 ft	FBgn0033029 <b>I(2)NC136</b>	<b>0.7</b> 3 1 4	8
FBgn0001075 ft	FBgn0261385 <b>scra</b>	<b>0.69</b> 4 3 4	11
FBgn0001075 ft	FBgn0020279 <b>lig</b>	<b>0.68</b> 10 9 7	26
FBgn0001075 ft	FBgn0026409 <b>Mpcp</b>	<b>0.66</b> 4 2 4	10
FBgn0001075 ft	FBgn0263594 <b>lost</b>	<b>0.66</b> 3 2 3	8
FBgn0001075 ft	FBgn0025724 <b>beta'Cop</b>	<b>0.62</b> 2 2 2	6
FBgn0001075 ft	FBgn0043456 <b>CG4747</b>	<b>0.62</b> 2 2 2	6

## (A) entire PPIN

FBgn0001075 ft	FBgn0034646 <b>Rae1</b>	<b>0.61</b> 2 4 1	7
FBgn0001075 ft	FBgn0010660 <b>Nup214</b>	<b>0.6</b> 5 2 4	11
FBgn0001075 ft	FBgn0027363 <b>Stam</b>	<b>0.6</b> 2 2 5	9
FBgn0001075 ft	FBgn0005630 <b>lola</b>	<b>0.6</b> 2 2 2	6
FBgn0001075 ft	FBgn0041775 <b>tral</b>	<b>0.59</b> 3 3 5	11
FBgn0001075 ft	FBgn0259139 <b>glo</b>	<b>0.59</b> 2 1 4	7
FBgn0001075 ft	FBgn0013334 <b>Sap47</b>	<b>0.59</b> 3 1 3	7
FBgn0001075 ft	FBgn0005648 <b>Pabp2</b>	<b>0.58</b> 3 1 2	6
FBgn0001075 ft	FBgn0027066 <b>Eb1</b>	<b>0.57</b> 12 8 13	33
FBgn0001075 ft	FBgn0037810 <b>sle</b>	<b>0.55</b> 4 2 1	7
FBgn0001075 ft	FBgn0010488 <b>NAT1</b>	<b>0.55</b> 2 1 3	6
FBgn0001075 ft	FBgn0022288 <b>I(2)09851</b>	<b>0.54</b> 3 1 4	8
FBgn0001075 ft	FBgn0260939 <b>Sgt1</b>	<b>0.54</b> 3 1 2	6
FBgn0001075 ft	FBgn0037182 <b>CG6838</b>	<b>0.54</b> 1 2 2	5
FBgn0001075 ft	FBgn0263006 <b>Ca-P60A</b>	<b>0.53</b> 3 1 4	8
FBgn0001075 ft	FBgn0261618 <b>larp</b>	<b>0.52</b> 0 2 3	5
FBgn0001075 ft	FBgn0014870 <b>Psi</b>	<b>0.5</b> 3 1 3	7
FBgn0001075 ft	FBgn0033235 <b>CG8728</b>	<b>0.49</b> 1 2 4	7
FBgn0001075 ft	FBgn0027603 <b>Ulp1</b>	<b>0.48</b> 2 1 2	5
FBgn0001075 ft	FBgn0028692 <b>Rpn2</b>	<b>0.47</b> 1 2 5	8
FBgn0001075 ft	FBgn0034138 <b>RpS15</b>	<b>0.45</b> 2 1 2	5
FBgn0001075 ft	FBgn0028737 <b>Ef1beta</b>	<b>0.44</b> 6 6 8	20
FBgn0001075 ft	FBgn0015907 <b>bl</b>	<b>0.44</b> 1 1 4	6
FBgn0001075 ft	FBgn0031878 <b>sip2</b>	<b>0.43</b> 2 1 3	6
FBgn0001075 ft	FBgn0036685 <b>CG6664</b>	<b>0.43</b> 2 0 4	6
FBgn0001075 ft	FBgn0029897 <b>RpL17</b>	<b>0.43</b> 1 2 1	4
FBgn0001075 ft	FBgn0025725 <b>alphaCop</b>	<b>0.41</b> 3 4 10	17
FBgn0001075 ft	FBgn0002780 <b>mod</b>	<b>0.4</b> 9 10 9	28
FBgn0001075 ft	FBgn0037912 <b>sea</b>	<b>0.4</b> 2 1 1	4
FBgn0001075 ft	FBgn0261792 <b>snRNP-U1-C</b>	<b>0.39</b> 1 2 1	4
FBgn0001075 ft	FBgn0015024 <b>Cklalpha</b>	<b>0.38</b> 0 4 1	5
FBgn0001075 ft	FBgn0053113 <b>Rtnl1</b>	<b>0.38</b> 1 2 1	4
FBgn0001075 ft	FBgn0010235 <b>Klc</b>	<b>0.37</b> 2 1 2	5
FBgn0001075 ft	FBgn0011571 <b>caz</b>	<b>0.37</b> 1 2 1	4
FBgn0001075 ft	FBgn0031453 <b>CG9894</b>	<b>0.37</b> 2 0 2	4
FBgn0001075 ft	FBgn0260442 <b>rhea</b>	<b>0.36</b> 3 1 4	8
FBgn0001075 ft	FBgn0004397 <b>Vinc</b>	<b>0.36</b> 2 1 3	6
FBgn0001075 ft	FBgn0034433 <b>endoB</b>	<b>0.33</b> 1 2 1	4
FBgn0001075 ft	FBgn0023167 <b>SmD3</b>	<b>0.32</b> 1 2 1	4
FBgn0001075 ft	FBgn0023517 <b>Pgam5</b>	<b>0.32</b> 1 0 2	3
FBgn0001075 ft	FBgn0034368 <b>CG5482</b>	<b>0.31</b> 2 1 1	4
FBgn0001075 ft	FBgn0002413 <b>dco</b>	<b>0.31</b> 1 1 2	4
FBgn0001075 ft	FBgn0029174 <b>FKBP59</b>	<b>0.31</b> 2 1 1	4
FBgn0001075 ft	FBgn0029676 <b>HIP-R</b>	<b>0.31</b> 2 1 1	4
FBgn0001075 ft	FBgn0005649 <b>Rox8</b>	<b>0.3</b> 0 1 2	3
FBgn0001075 ft	FBgn0033349 <b>CG8243</b>	<b>0.29</b> 3 0 1	4
FBgn0001075 ft	FBgn0038476 <b>kuk</b>	<b>0.29</b> 1 0 2	3
FBgn0001075 ft	FBgn0022893 <b>Df31</b>	<b>0.29</b> 2 0 1	3
FBgn0001075 ft	FBgn0034237 <b>eIF3-S9</b>	<b>0.28</b> 2 1 3	6
FBgn0001075 ft	FBgn0014163 <b>fax</b>	<b>0.28</b> 1 0 2	3
FBgn0001075 ft	FBgn0086443 <b>Aats-asn</b>	<b>0.27</b> 1 0 2	3

## (A) entire PPIN

FBgn0001075 ft	FBgn0051617 <b>His1:CG31617</b>	<b>0.27</b> 1 0 2	3
FBgn0001075 ft	FBgn0039359 <b>RpL27</b>	<b>0.26</b> 1 0 2	3
FBgn0001075 ft	FBgn0028734 <b>Fmr1</b>	<b>0.24</b> 5 5 9	19
FBgn0001075 ft	FBgn0037051 <b>CG10565</b>	<b>0.24</b> 0 2 2	4
FBgn0001075 ft	FBgn0013269 <b>FK506-bp1</b>	<b>0.23</b> 4 3 1	8
FBgn0001075 ft	FBgn0001139 <b>gro</b>	<b>0.23</b> 0 2 2	4
FBgn0001075 ft	FBgn0036354 <b>Poc1</b>	<b>0.22</b> 0 2 1	3
FBgn0001075 ft	FBgn0033844 <b>bbc</b>	<b>0.2</b> 1 1 2	4
FBgn0001075 ft	FBgn0261606 <b>RpL27A</b>	<b>0.19</b> 0 0 2	2
FBgn0001075 ft	FBgn0261789 <b>SmD2</b>	<b>0.18</b> 0 0 2	2
FBgn0001075 ft	FBgn0034258 <b>eIF3-S8</b>	<b>0.17</b> 1 2 1	4
FBgn0001075 ft	FBgn0035060 <b>Eps-15</b>	<b>0.17</b> 0 1 2	3
FBgn0001075 ft	FBgn0000115 <b>Arf72A</b>	<b>0.17</b> 0 0 2	2
FBgn0001075 ft	FBgn0035830 <b>CG8209</b>	<b>0.17</b> 0 2 0	2
FBgn0001075 ft	FBgn0026207 <b>mbo</b>	<b>0.16</b> 1 0 2	3
FBgn0001075 ft	FBgn0015218 <b>eIF-4E</b>	<b>0.16</b> 1 0 2	3
FBgn0001075 ft	FBgn0043012 <b>AP-2sigma</b>	<b>0.16</b> 0 2 0	2
FBgn0001075 ft	FBgn0002645 <b>Map205</b>	<b>0.15</b> 14 15 14	43
FBgn0001075 ft	FBgn0011710 <b>Sep1</b>	<b>0.15</b> 8 8 8	24
FBgn0001075 ft	FBgn0020255 <b>ran</b>	<b>0.15</b> 2 2 2	6
FBgn0001075 ft	FBgn0035425 <b>CG17746</b>	<b>0.15</b> 0 2 0	2
FBgn0001075 ft	FBgn0030011 <b>Gbeta5</b>	<b>0.15</b> 0 0 2	2
FBgn0001075 ft	FBgn0041188 <b>Atx2</b>	<b>0.14</b> 3 1 2	6
FBgn0001075 ft	FBgn0035499 <b>Chd64</b>	<b>0.13</b> 15 10 16	41
FBgn0001075 ft	FBgn0002783 <b>mor</b>	<b>0.13</b> 2 0 2	4
FBgn0001075 ft	FBgn0038320 <b>Sra-1</b>	<b>0.11</b> 1 2 1	4
FBgn0001075 ft	FBgn0033109 <b>coro</b>	<b>0.11</b> 0 2 0	2
FBgn0001075 ft	FBgn0037137 <b>Nopp140</b>	<b>0.1</b> 2 2 2	6
FBgn0001075 ft	FBgn0052549 <b>CG32549</b>	<b>0.1</b> 2 0 0	2
FBgn0001075 ft	FBgn0250814 <b>CG4169</b>	<b>0.09</b> 5 7 6	18
FBgn0001075 ft	FBgn0005533 <b>RpS17</b>	<b>0.09</b> 2 2 2	6
FBgn0001075 ft	FBgn0000181 <b>bic</b>	<b>0.08</b> 6 3 9	18
FBgn0001075 ft	FBgn0046214 <b>vig2</b>	<b>0.08</b> 4 3 3	10
FBgn0001075 ft	FBgn0260990 <b>yata</b>	<b>0.08</b> 0 2 0	2
FBgn0001075 ft	FBgn0051320 <b>CG31320</b>	<b>0.08</b> 2 0 0	2
FBgn0001075 ft	FBgn0032518 <b>RpL24</b>	<b>0.07</b> 2 2 2	6
FBgn0001075 ft	FBgn0020910 <b>RpL3</b>	<b>0.06</b> 1 1 2	4
FBgn0001075 ft	FBgn0029903 <b>pod1</b>	<b>0.06</b> 1 1 2	4
FBgn0001075 ft	FBgn0033062 <b>Ars2</b>	<b>0.06</b> 2 0 1	3
FBgn0001075 ft	FBgn0024183 <b>vig</b>	<b>0.06</b> 0 0 2	2
FBgn0001075 ft	FBgn0083969 <b>CG34133</b>	<b>0.06</b> 0 0 2	2
FBgn0001075 ft	FBgn0263391 <b>hts</b>	<b>0.05</b> 5 5 10	20
FBgn0001075 ft	FBgn0010411 <b>RpS18</b>	<b>0.05</b> 1 1 2	4
FBgn0001075 ft	FBgn0039562 <b>Gp93</b>	<b>0.05</b> 2 0 1	3
FBgn0001075 ft	FBgn0051363 <b>Jupiter</b>	<b>0.03</b> 5 6 5	16
FBgn0001075 ft	FBgn0015268 <b>Nap1</b>	<b>0.03</b> 2 2 2	6
FBgn0001075 ft	FBgn0028687 <b>Rpt1</b>	<b>0.02</b> 3 3 3	9
FBgn0001075 ft	FBgn0001217 <b>Hsc70-2</b>	<b>0.02</b> 2 3 3	8
FBgn0001075 ft	FBgn0261609 <b>eIF-2alpha</b>	<b>0.02</b> 2 2 3	7
FBgn0001075 ft	FBgn0017545 <b>RpS3A</b>	<b>0.02</b> 1 0 3	4
FBgn0001075 ft	FBgn0263396 <b>sqd</b>	<b>0.01</b> 5 6 5	16

## (A) entire PPIN

FBgn0001075 ft	FBgn0025286 <b>RpL31</b>	<b>0.01</b> 2 2 3	7
FBgn0001075 ft	FBgn0030136 <b>RpS28b</b>	<b>0.01</b> 2 1 1	4
FBgn0001075 ft	FBgn0263106 <b>DnaJ-1</b>	<b>0.01</b> 1 1 2	4
FBgn0001075 ft	FBgn0010265 <b>RpS13</b>	<b>0.01</b> 2 0 1	3
FBgn0001075 ft	FBgn0005634 <b>zip</b>	<b>0</b> 149 76 128	353
FBgn0001075 ft	FBgn0001219 <b>Hsc70-4</b>	<b>0</b> 59 60 71	190
FBgn0001075 ft	FBgn0001218 <b>Hsc70-3</b>	<b>0</b> 37 32 37	106
FBgn0001075 ft	FBgn0000556 <b>Ef1alpha48D</b>	<b>0</b> 32 29 34	95
FBgn0001075 ft	FBgn0003887 <b>betaTub56D</b>	<b>0</b> 25 25 26	76
FBgn0001075 ft	FBgn0000042 <b>Act5C</b>	<b>0</b> 26 24 25	75
FBgn0001075 ft	FBgn0003884 <b>alphaTub84B</b>	<b>0</b> 18 15 22	55
FBgn0001075 ft	FBgn0261710 <b>nocte</b>	<b>0</b> 18 12 18	48
FBgn0001075 ft	FBgn0029176 <b>Ef1gamma</b>	<b>0</b> 10 10 16	36
FBgn0001075 ft	FBgn0263231 <b>bel</b>	<b>0</b> 12 12 12	36
FBgn0001075 ft	FBgn0003178 <b>PyK</b>	<b>0</b> 8 12 10	30
FBgn0001075 ft	FBgn0003360 <b>sesB</b>	<b>0</b> 9 8 12	29
FBgn0001075 ft	FBgn0002525 <b>Lam</b>	<b>0</b> 14 5 10	29
FBgn0001075 ft	FBgn0261619 <b>pAbp</b>	<b>0</b> 9 10 10	29
FBgn0001075 ft	FBgn0262603 <b>sec8</b>	<b>0</b> 17 6 5	28
FBgn0001075 ft	FBgn0015778 <b>rin</b>	<b>0</b> 7 9 11	27
FBgn0001075 ft	FBgn0004687 <b>Mlc-c</b>	<b>0</b> 11 8 8	27
FBgn0001075 ft	FBgn0037891 <b>CG5214</b>	<b>0</b> 8 8 10	26
FBgn0001075 ft	FBgn0002622 <b>RpS3</b>	<b>0</b> 8 6 10	24
FBgn0001075 ft	FBgn0011284 <b>RpS4</b>	<b>0</b> 8 6 9	23
FBgn0001075 ft	FBgn0003514 <b>sqh</b>	<b>0</b> 8 7 7	22
FBgn0001075 ft	FBgn0000559 <b>Ef2b</b>	<b>0</b> 7 6 8	21
FBgn0001075 ft	FBgn0000709 <b>flil</b>	<b>0</b> 8 5 8	21
FBgn0001075 ft	FBgn0034743 <b>RpS16</b>	<b>0</b> 7 6 8	21
FBgn0001075 ft	FBgn0001216 <b>Hsc70-1</b>	<b>0</b> 6 7 8	21
FBgn0001075 ft	FBgn0001233 <b>Hsp83</b>	<b>0</b> 7 3 10	20
FBgn0001075 ft	FBgn0039757 <b>RpS7</b>	<b>0</b> 9 3 8	20
FBgn0001075 ft	FBgn0001220 <b>Hsc70-5</b>	<b>0</b> 6 4 9	19
FBgn0001075 ft	FBgn0003888 <b>betaTub60D</b>	<b>0</b> 5 6 7	18
FBgn0001075 ft	FBgn0003676 <b>T-cp1</b>	<b>0</b> 6 8 4	18
FBgn0001075 ft	FBgn0262734 <b>Rbp2</b>	<b>0</b> 7 4 7	18
FBgn0001075 ft	FBgn0030699 <b>CG8578</b>	<b>0</b> 7 3 7	17
FBgn0001075 ft	FBgn0004237 <b>Hrb87F</b>	<b>0</b> 5 4 5	14
FBgn0001075 ft	FBgn0000258 <b>Ckl1alpha</b>	<b>0</b> 6 4 4	14
FBgn0001075 ft	FBgn0035608 <b>blanks</b>	<b>0</b> 5 4 4	13
FBgn0001075 ft	FBgn0000044 <b>Act57B</b>	<b>0</b> 5 3 3	11
FBgn0001075 ft	FBgn0011211 <b>blw</b>	<b>0</b> 4 3 4	11
FBgn0001075 ft	FBgn0003721 <b>Tm1</b>	<b>0</b> 8 0 3	11
FBgn0001075 ft	FBgn0004403 <b>RpS14a</b>	<b>0</b> 4 2 5	11
FBgn0001075 ft	FBgn0003261 <b>Rm62</b>	<b>0</b> 3 2 6	11
FBgn0001075 ft	FBgn0003022 <b>Ote</b>	<b>0</b> 3 3 5	11
FBgn0001075 ft	FBgn0261593 <b>RpS10b</b>	<b>0</b> 3 4 3	10
FBgn0001075 ft	FBgn0010246 <b>Myo61F</b>	<b>0</b> 4 2 4	10
FBgn0001075 ft	FBgn0015834 <b>Trip1</b>	<b>0</b> 5 2 3	10
FBgn0001075 ft	FBgn0042134 <b>Capr</b>	<b>0</b> 3 3 4	10
FBgn0001075 ft	FBgn0003890 <b>betaTub97EF</b>	<b>0</b> 3 3 3	9
FBgn0001075 ft	FBgn0028969 <b>deltaCOP</b>	<b>0</b> 2 3 4	9

## (A) entire PPIN

FBgn0001075 ft	FBgn0032731 <b>CG10641</b>	0 4 0 4	8
FBgn0001075 ft	FBgn0001942 <b>eIF-4a</b>	0 2 2 4	8
FBgn0001075 ft	FBgn0034577 <b>cpa</b>	0 3 2 3	8
FBgn0001075 ft	FBgn0001215 <b>Hrb98DE</b>	0 3 2 3	8
FBgn0001075 ft	FBgn0053303 <b>CG33303</b>	0 3 3 1	7
FBgn0001075 ft	FBgn0086904 <b>Nacalpa</b>	0 1 3 3	7
FBgn0001075 ft	FBgn0010078 <b>RpL23</b>	0 3 1 3	7
FBgn0001075 ft	FBgn0004867 <b>RpS2</b>	0 3 2 2	7
FBgn0001075 ft	FBgn0014189 <b>Hel25E</b>	0 2 2 2	6
FBgn0001075 ft	FBgn0010408 <b>RpS9</b>	0 2 2 2	6
FBgn0001075 ft	FBgn0036213 <b>RpL10Ab</b>	0 1 3 2	6
FBgn0001075 ft	FBgn0038145 <b>Droj2</b>	0 2 2 2	6
FBgn0001075 ft	FBgn0027932 <b>Akap200</b>	0 2 2 2	6
FBgn0001075 ft	FBgn0015756 <b>RpL9</b>	0 3 1 2	6
FBgn0001075 ft	FBgn0039300 <b>RpS27</b>	0 2 1 2	5
FBgn0001075 ft	FBgn0010198 <b>RpS15Aa</b>	0 1 1 3	5
FBgn0001075 ft	FBgn0027329 <b>Tcp-1zeta</b>	0 0 2 3	5
FBgn0001075 ft	FBgn0019936 <b>RpS20</b>	0 1 1 3	5
FBgn0001075 ft	FBgn0004838 <b>Hrb27C</b>	0 2 1 2	5
FBgn0001075 ft	FBgn0250789 <b>alpha-Spec</b>	0 2 1 1	4
FBgn0001075 ft	FBgn0029093 <b>cathD</b>	0 1 2 1	4
FBgn0001075 ft	FBgn0030993 <b>Mec2</b>	0 2 1 1	4
FBgn0001075 ft	FBgn0004167 <b>kst</b>	0 1 2 1	4
FBgn0001075 ft	FBgn0004363 <b>porin</b>	0 0 0 4	4
FBgn0001075 ft	FBgn0261933 <b>SmD1</b>	0 1 1 1	3
FBgn0001075 ft	FBgn0053094 <b>Synd</b>	0 1 1 1	3
FBgn0001075 ft	FBgn0261596 <b>RpS24</b>	0 1 1 1	3
FBgn0001075 ft	FBgn0262735 <b>Imp</b>	0 1 1 1	3
FBgn0001075 ft	FBgn0082582 <b>tmod</b>	0 2 0 1	3
FBgn0001075 ft	FBgn0036919 <b>Grasp65</b>	0 1 1 1	3
FBgn0001075 ft	FBgn0261397 <b>didum</b>	0 3 0 0	3
FBgn0001075 ft	FBgn0027494 <b>RpS10a</b>	0 1 1 1	3
FBgn0001075 ft	FBgn0031868 <b>Rat1</b>	0 1 1 1	3
FBgn0001075 ft	FBgn0027948 <b>msps</b>	0 1 1 1	3
FBgn0001075 ft	FBgn0032859 <b>Arc-p34</b>	0 2 1 0	3
FBgn0001075 ft	FBgn0031990 <b>CG8552</b>	0 1 1 1	3
FBgn0001075 ft	FBgn0034068 <b>casp</b>	0 1 1 1	3
FBgn0001075 ft	FBgn0029118 <b>Sucb</b>	0 1 0 2	3
FBgn0001075 ft	FBgn0039229 <b>Saf-B</b>	0 1 1 1	3
FBgn0001075 ft	FBgn0041789 <b>Pax</b>	0 1 1 1	3
FBgn0001075 ft	FBgn0037468 <b>CG1943</b>	0 1 1 1	3
FBgn0001075 ft	FBgn0261279 <b>lqfR</b>	0 1 1 1	3
FBgn0001075 ft	FBgn0031256 <b>CG4164</b>	0 2 1 0	3
FBgn0001075 ft	FBgn0028968 <b>gammaCop</b>	0 1 1 1	3
FBgn0001075 ft	FBgn0035772 <b>Sh3beta</b>	0 1 1 1	3
FBgn0001075 ft	FBgn0040007 <b>RpL38</b>	0 1 1 1	3
FBgn0001075 ft	FBgn0020618 <b>Rack1</b>	0 1 1 1	3
FBgn0001075 ft	FBgn0262601 <b>SmB</b>	0 1 1 1	3
FBgn0001075 ft	FBgn0033740 <b>dgt5</b>	0 0 2 1	3
FBgn0001075 ft	FBgn0040273 <b>Spt5</b>	0 1 1 1	3
FBgn0001075 ft	FBgn0032240 <b>CG17768</b>	0 1 1 1	3

## (A) entire PPIN

FBgn0001075 ft	FBgn0086372 <b>lap</b>	0 1 1 1	3
FBgn0001075 ft	FBgn0032340 <b>Ge-1</b>	0 1 1 1	3
FBgn0001075 ft	FBgn0262707 <b>CTPsyn</b>	0 1 1 1	3
FBgn0001075 ft	FBgn0037746 <b>CG8478</b>	0 1 1 1	3
FBgn0001075 ft	FBgn0087035 <b>AGO2</b>	0 1 1 1	3
FBgn0001075 ft	FBgn0038747 <b>RhoGAP92B</b>	0 1 1 1	3
FBgn0001075 ft	FBgn0013325 <b>RpL11</b>	0 1 1 1	3
FBgn0001075 ft	FBgn0011570 <b>cpb</b>	0 1 0 2	3
FBgn0001075 ft	FBgn0010774 <b>Aly</b>	0 1 1 1	3
FBgn0001075 ft	FBgn0003941 <b>RpL40</b>	0 1 0 2	3
FBgn0001075 ft	FBgn0036372 <b>CG10083</b>	0 1 1 1	3
FBgn0001075 ft	FBgn0000253 <b>Cam</b>	0 2 0 1	3
FBgn0001075 ft	FBgn0015376 <b>cutlet</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0040237 <b>bor</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0004556 <b>Dbp73D</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0041180 <b>TepIV</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0028577 <b>pUf68</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0044324 <b>Chro</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0010217 <b>ATPsyn-beta</b>	0 0 1 1	2
FBgn0001075 ft	FBgn0262716 <b>Arp66B</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0003138 <b>Ptp61F</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0030141 <b>Gga</b>	0 0 1 1	2
FBgn0001075 ft	FBgn0034921 <b>Dcp1</b>	0 1 1 0	2
FBgn0001075 ft	FBgn0010348 <b>Arf79F</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0035987 <b>CG3689</b>	0 1 1 0	2
FBgn0001075 ft	FBgn0030268 <b>Klp10A</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0037657 <b>hyx</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0002466 <b>sti</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0015245 <b>Hsp60</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0038950 <b>CG5382</b>	0 0 1 1	2
FBgn0001075 ft	FBgn0039776 <b>PH4alphaEFB</b>	0 1 1 0	2
FBgn0001075 ft	FBgn0010342 <b>Map60</b>	0 0 1 1	2
FBgn0001075 ft	FBgn0030520 <b>CG10990</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0050122 <b>CG30122</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0030672 <b>CG9281</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0037624 <b>CG8223</b>	0 1 1 0	2
FBgn0001075 ft	FBgn0024987 <b>ssx</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0036918 <b>CG7770</b>	0 1 1 0	2
FBgn0001075 ft	FBgn0032454 <b>CG5787</b>	0 0 1 1	2
FBgn0001075 ft	FBgn0033179 <b>p47</b>	0 0 1 1	2
FBgn0001075 ft	FBgn0039969 <b>Fis1</b>	0 0 1 1	2
FBgn0001075 ft	FBgn0002542 <b>lds</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0026761 <b>Trap1</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0034968 <b>RpL12</b>	0 0 1 1	2
FBgn0001075 ft	FBgn0261794 <b>kcc</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0026777 <b>Rad23</b>	0 0 1 1	2
FBgn0001075 ft	FBgn0010173 <b>RpA-70</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0011823 <b>Pen</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0037249 <b>eIF3-S10</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0010516 <b>wal</b>	0 1 1 0	2
FBgn0001075 ft	FBgn0015288 <b>RpL22</b>	0 1 0 1	2

## (A) entire PPIN

FBgn0001075 ft	FBgn0014007 <b>Ptp69D</b>	0 1 1 0	2
FBgn0001075 ft	FBgn0021795 <b>Tapdelta</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0035471 <b>Sc2</b>	0 0 1 1	2
FBgn0001075 ft	FBgn0033226 <b>CG1882</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0043884 <b>mask</b>	0 0 1 1	2
FBgn0001075 ft	FBgn0260748 <b>CG5004</b>	0 0 1 1	2
FBgn0001075 ft	FBgn0011259 <b>Sema-1a</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0001186 <b>Hex-A</b>	0 1 1 0	2
FBgn0001075 ft	FBgn0037643 <b>skap</b>	0 1 1 0	2
FBgn0001075 ft	FBgn0013576 <b>I(3)82Fd</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0001315 <b>kl-5</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0035995 <b>CG3529</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0031057 <b>Ubqn</b>	0 0 1 1	2
FBgn0001075 ft	FBgn0040227 <b>eIF-3p66</b>	0 0 0 2	2
FBgn0001075 ft	FBgn0034242 <b>CG14480</b>	0 0 1 1	2
FBgn0001075 ft	FBgn0040309 <b>Jafrac1</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0022764 <b>Sin3A</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0000319 <b>Chc</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0061200 <b>Nup153</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0015295 <b>shark</b>	0 1 1 0	2
FBgn0001075 ft	FBgn0028327 <b>I(1)G0320</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0027335 <b>Rip11</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0020235 <b>ATPsyn-gamn</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0064225 <b>RpL5</b>	0 0 1 1	2
FBgn0001075 ft	FBgn0261461 <b>RhoGAP18B</b>	0 1 1 0	2
FBgn0001075 ft	FBgn0026084 <b>cib</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0020306 <b>dom</b>	0 1 0 1	2
FBgn0001075 ft	FBgn0038704 <b>CG5316</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0037754 <b>CG8500</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0039904 <b>Hcf</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0004419 <b>me31B</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0022986 <b>qkr58E-1</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0021906 <b>RF<sub>e</sub>SP</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0025683 <b>CG3164</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0015929 <b>dpa</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0038173 <b>Adgf-C</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0041164 <b>armi</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0028494 <b>CG6424</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0051776 <b>CG31776</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0261790 <b>SmE</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0029133 <b>REG</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0261922 <b>PI4KIIIalpha</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0002121 <b>I(2)gl</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0034970 <b>yki</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0053547 <b>Rim</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0037926 <b>Elp1</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0017397 <b>how</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0034451 <b>CG11242</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0020513 <b>ade5</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0037994 <b>CG4810</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0263600 <b>DNApol-delta</b>	0 1 0 0	1



## (A) entire PPIN

FBgn0001075 ft	FBgn0016978 <b>snRNP-U1-70k</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0036735 <b>Edc3</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0085422 <b>CG34393</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0011692 <b>pav</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0003731 <b>Egfr</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0034808 <b>CG9896</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0030685 <b>Graf</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0022724 <b>Taf8</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0250823 <b>gish</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0002921 <b>Atpalpha</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0263121 <b>Prosalpha1</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0041781 <b>SCAR</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0027079 <b>Aats-val</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0262160 <b>CG9932</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0031310 <b>CG4764</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0034259 <b>CG6459</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0013983 <b>imd</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0034913 <b>usnp</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0038674 <b>CG14285</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0005671 <b>Vha55</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0261854 <b>aPKC</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0030207 <b>CG2887</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0036875 <b>CG9449</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0026083 <b>tyf</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0011509 <b>SrpRbeta</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0015278 <b>Pi3K68D</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0033902 <b>Tango7</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0010379 <b>Akt1</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0023388 <b>Dap160</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0261456 <b>hpo</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0051465 <b>CG31465</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0037417 <b>Osi10</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0035478 <b>CG10853</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0033688 <b>Prp8</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0025637 <b>skpA</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0011661 <b>Moe</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0053635 <b>CG33635</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0032321 <b>YL-1</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0030997 <b>CG7990</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0024833 <b>AP-47</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0026562 <b>BM-40-SPARC</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0016080 <b>xmas-1</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0035204 <b>CG2277</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0010438 <b>mtSSB</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0015283 <b>Pros54</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0032488 <b>CG16812</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0052479 <b>CG32479</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0010280 <b>Taf4</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0003559 <b>su(f)</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0016794 <b>dos</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0035793 <b>CG7546</b>	0 1 0 0	1

## (A) entire PPIN

FBgn0001075 ft	FBgn0001230 <b>Hsp68</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0039254 <b>Nmnat</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0260855 <b>Sec22</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0001297 <b>kay</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0010926 <b>I(3)07882</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0010768 <b>sqz</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0064126 <b>CG33722</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0027587 <b>CG7028</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0032640 <b>Sgt</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0004654 <b>Pgd</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0038106 <b>CG7488</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0022349 <b>CG1910</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0026533 <b>Dek</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0003189 <b>r</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0030323 <b>CG2371</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0053777 <b>CG33777</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0030937 <b>CG15042</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0086134 <b>Pros25</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0033202 <b>Gr43b</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0051431 <b>CG31431</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0004381 <b>Klp68D</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0058042 <b>CG40042</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0004926 <b>eIF-2beta</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0031859 <b>CG17377</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0260010 <b>rump</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0259108 <b>futsch</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0037087 <b>CG7519</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0033246 <b>ACC</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0027616 <b>YT521-B</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0000454 <b>Dip-B</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0040297 <b>Nhe2</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0038964 <b>Nop56</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0085384 <b>CG34355</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0028887 <b>CG3491</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0051784 <b>CG31784</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0000711 <b>flw</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0085417 <b>CG34388</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0017577 <b>Mcm5</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0033403 <b>CG13739</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0001994 <b>crp</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0034230 <b>CG4853</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0026079 <b>CG6133</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0039635 <b>CG11876</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0024556 <b>EfTuM</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0036566 <b>CIC-c</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0024947 <b>NTPase</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0032393 <b>CG12264</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0013770 <b>Cp1</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0035165 <b>CG13887</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0085447 <b>sif</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0015001 <b>iotaTry</b>	0 0 0 1	1

## (A) entire PPIN

FBgn0001075 ft	FBgn0035348 <b>CG16758</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0027338 <b>Kap-alpha3</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0038046 <b>CG5641</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0027378 <b>MRG15</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0027518 <b>CG7609</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0011703 <b>RnrL</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0039566 <b>CG4849</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0086710 <b>RpL30</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0015806 <b>S6k</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0261551 <b>CG42669</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0002781 <b>mod(mdg4)</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0003301 <b>rut</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0035329 <b>DmsR-2</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0086356 <b>tum</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0037853 <b>CG14696</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0003274 <b>RpLP2</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0027571 <b>CG3523</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0036277 <b>CG10418</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0037376 <b>CG2051</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0031187 <b>CG14619</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0040505 <b>Alk</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0259978 <b>vlc</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0033081 <b>geminin</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0030558 <b>CG1461</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0260934 <b>par-1</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0000017 <b>Abl</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0086901 <b>cv-c</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0011715 <b>Snr1</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0034674 <b>CG9304</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0017579 <b>RpL14</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0000244 <b>by</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0042125 <b>CG18787</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0029629 <b>CG8636</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0030612 <b>CG5599</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0035110 <b>thoc7</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0262029 <b>d</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0030956 <b>CG18259</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0003517 <b>sta</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0085432 <b>pan</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0028427 <b>Ilk</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0051450 <b>mRpS18A</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0036763 <b>CG7441</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0034308 <b>CG10915</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0033033 <b>scaf</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0035271 <b>CG2021</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0259229 <b>CG42329</b>	0 0 1 0	1
FBgn0001075 ft	FBgn0029092 <b>ced-6</b>	0 0 0 1	1
FBgn0001075 ft	FBgn0002607 <b>RpL19</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0003134 <b>Pp1alpha-96A</b>	0 1 0 0	1
FBgn0001075 ft	FBgn0040009 <b>CG17490</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0010246 <b>Myo61F</b>	1 41 29 15	85

## (A) entire PPIN

FBgn0000658 fj	FBgn0261794 <b>kcc</b>	1 20 22 17	59
FBgn0000658 fj	FBgn0263006 <b>Ca-P60A</b>	1 11 13 10	34
FBgn0000658 fj	FBgn0033062 <b>Ars2</b>	1 12 12 9	33
FBgn0000658 fj	FBgn0028479 <b>CG4389</b>	1 13 8 10	31
FBgn0000658 fj	FBgn0027084 <b>Aats-lys</b>	1 8 8 6	22
FBgn0000658 fj	FBgn0010774 <b>Aly</b>	<b>0.98</b> 4 4 4	12
FBgn0000658 fj	FBgn0037312 <b>CG11999</b>	<b>0.96</b> 4 5 3	12
FBgn0000658 fj	FBgn0004378 <b>Klp61F</b>	<b>0.95</b> 4 3 5	12
FBgn0000658 fj	FBgn0000253 <b>Cam</b>	<b>0.89</b> 8 9 5	22
FBgn0000658 fj	FBgn0086768 <b>Pcmt</b>	<b>0.72</b> 2 5 2	9
FBgn0000658 fj	FBgn0036763 <b>CG7441</b>	<b>0.68</b> 3 4 1	8
FBgn0000658 fj	FBgn0034259 <b>CG6459</b>	<b>0.66</b> 3 3 1	7
FBgn0000658 fj	FBgn0027616 <b>YT521-B</b>	<b>0.66</b> 3 3 1	7
FBgn0000658 fj	FBgn0010551 <b>I(2)03709</b>	<b>0.61</b> 4 3 0	7
FBgn0000658 fj	FBgn0004401 <b>Pep</b>	<b>0.6</b> 5 4 2	11
FBgn0000658 fj	FBgn0030678 <b>CG11679</b>	<b>0.58</b> 5 3 0	8
FBgn0000658 fj	FBgn0036919 <b>Grasp65</b>	<b>0.58</b> 2 3 2	7
FBgn0000658 fj	FBgn0035500 <b>ens</b>	<b>0.58</b> 2 2 2	6
FBgn0000658 fj	FBgn0002031 <b>I(2)37Cc</b>	<b>0.57</b> 2 1 3	6
FBgn0000658 fj	FBgn0010342 <b>Map60</b>	<b>0.56</b> 3 2 1	6
FBgn0000658 fj	FBgn0031256 <b>CG4164</b>	<b>0.55</b> 13 13 13	39
FBgn0000658 fj	FBgn0261119 <b>Prp19</b>	<b>0.55</b> 2 3 1	6
FBgn0000658 fj	FBgn0262601 <b>SmB</b>	<b>0.54</b> 1 2 2	5
FBgn0000658 fj	FBgn0025352 <b>Thiolase</b>	<b>0.53</b> 3 2 3	8
FBgn0000658 fj	FBgn0263594 <b>lost</b>	<b>0.53</b> 2 2 3	7
FBgn0000658 fj	FBgn0043884 <b>mask</b>	<b>0.52</b> 2 4 2	8
FBgn0000658 fj	FBgn0010173 <b>RpA-70</b>	<b>0.51</b> 7 7 3	17
FBgn0000658 fj	FBgn0014868 <b>Ost48</b>	<b>0.51</b> 2 1 2	5
FBgn0000658 fj	FBgn0025457 <b>Bub3</b>	<b>0.5</b> 2 2 1	5
FBgn0000658 fj	FBgn0011571 <b>caz</b>	<b>0.49</b> 2 1 2	5
FBgn0000658 fj	FBgn0011225 <b>jar</b>	<b>0.48</b> 12 10 3	25
FBgn0000658 fj	FBgn0011016 <b>SsRbeta</b>	<b>0.46</b> 2 1 4	7
FBgn0000658 fj	FBgn0037643 <b>skap</b>	<b>0.43</b> 2 2 5	9
FBgn0000658 fj	FBgn0035060 <b>Eps-15</b>	<b>0.42</b> 1 4 1	6
FBgn0000658 fj	FBgn0016691 <b>Oscp</b>	<b>0.42</b> 1 1 2	4
FBgn0000658 fj	FBgn0032906 <b>RPA2</b>	<b>0.41</b> 1 2 1	4
FBgn0000658 fj	FBgn0038224 <b>CG3321</b>	<b>0.4</b> 1 2 1	4
FBgn0000658 fj	FBgn0032015 <b>CG7830</b>	<b>0.39</b> 1 2 1	4
FBgn0000658 fj	FBgn0003261 <b>Rm62</b>	<b>0.38</b> 9 16 9	34
FBgn0000658 fj	FBgn0023167 <b>SmD3</b>	<b>0.37</b> 1 2 1	4
FBgn0000658 fj	FBgn0003345 <b>sd</b>	<b>0.36</b> 4 0 1	5
FBgn0000658 fj	FBgn0011739 <b>wts</b>	<b>0.34</b> 15 3 4	22
FBgn0000658 fj	FBgn0030612 <b>CG5599</b>	<b>0.33</b> 3 3 1	7
FBgn0000658 fj	FBgn0039302 <b>Nup358</b>	<b>0.33</b> 3 2 0	5
FBgn0000658 fj	FBgn0032644 <b>CG5131</b>	<b>0.32</b> 2 2 0	4
FBgn0000658 fj	FBgn0002638 <b>Bj1</b>	<b>0.31</b> 0 12 4	16
FBgn0000658 fj	FBgn0033471 <b>CG12134</b>	<b>0.31</b> 5 0 0	5
FBgn0000658 fj	FBgn0022349 <b>CG1910</b>	<b>0.31</b> 0 4 0	4
FBgn0000658 fj	FBgn0010412 <b>RpS19a</b>	<b>0.3</b> 0 1 2	3
FBgn0000658 fj	FBgn0036740 <b>CG6259</b>	<b>0.3</b> 0 2 1	3
FBgn0000658 fj	FBgn0040284 <b>SF2</b>	<b>0.29</b> 1 2 1	4

## (A) entire PPIN

FBgn0000658 fj	FBgn0024238 <b>Fim</b>	<b>0.29</b> 0 3 0	3
FBgn0000658 fj	FBgn0033663 <b>ERp60</b>	<b>0.29</b> 0 0 3	3
FBgn0000658 fj	FBgn0004227 <b>nonA</b>	<b>0.28</b> 5 5 3	13
FBgn0000658 fj	FBgn0024183 <b>vig</b>	<b>0.28</b> 1 3 2	6
FBgn0000658 fj	FBgn0053129 <b>CG33129</b>	<b>0.28</b> 0 0 3	3
FBgn0000658 fj	FBgn0052685 <b>CG32685</b>	<b>0.28</b> 2 0 1	3
FBgn0000658 fj	FBgn0260010 <b>rump</b>	<b>0.28</b> 1 0 2	3
FBgn0000658 fj	FBgn0030692 <b>mRpS30</b>	<b>0.27</b> 0 2 2	4
FBgn0000658 fj	FBgn0005640 <b>Eip63E</b>	<b>0.27</b> 1 1 2	4
FBgn0000658 fj	FBgn0039303 <b>CG11857</b>	<b>0.27</b> 0 2 1	3
FBgn0000658 fj	FBgn0031497 <b>CG17259</b>	<b>0.26</b> 1 0 2	3
FBgn0000658 fj	FBgn0005411 <b>U2af50</b>	<b>0.26</b> 0 0 3	3
FBgn0000658 fj	FBgn0046214 <b>vig2</b>	<b>0.25</b> 3 4 5	12
FBgn0000658 fj	FBgn0023388 <b>Dap160</b>	<b>0.25</b> 1 3 0	4
FBgn0000658 fj	FBgn0040078 <b>pont</b>	<b>0.25</b> 0 2 1	3
FBgn0000658 fj	FBgn0013269 <b>FK506-bp1</b>	<b>0.24</b> 2 3 4	9
FBgn0000658 fj	FBgn0037728 <b>CG16817</b>	<b>0.23</b> 1 2 0	3
FBgn0000658 fj	FBgn0005648 <b>Pabp2</b>	<b>0.23</b> 0 0 2	2
FBgn0000658 fj	FBgn0029133 <b>REG</b>	<b>0.22</b> 0 0 2	2
FBgn0000658 fj	FBgn0001091 <b>Gapdh1</b>	<b>0.22</b> 0 0 2	2
FBgn0000658 fj	FBgn0032198 <b>eEF1delta</b>	<b>0.2</b> 1 1 2	4
FBgn0000658 fj	FBgn0263347 <b>Caf1</b>	<b>0.19</b> 1 3 0	4
FBgn0000658 fj	FBgn0259978 <b>vlc</b>	<b>0.18</b> 0 2 0	2
FBgn0000658 fj	FBgn0039562 <b>Gp93</b>	<b>0.17</b> 1 0 3	4
FBgn0000658 fj	FBgn0027548 <b>nito</b>	<b>0.15</b> 0 0 2	2
FBgn0000658 fj	FBgn0028327 <b>I(1)G0320</b>	<b>0.14</b> 4 4 6	14
FBgn0000658 fj	FBgn0024308 <b>Smr</b>	<b>0.14</b> 2 3 2	7
FBgn0000658 fj	FBgn0261790 <b>SmE</b>	<b>0.14</b> 1 2 1	4
FBgn0000658 fj	FBgn0011640 <b>lark</b>	<b>0.14</b> 1 3 0	4
FBgn0000658 fj	FBgn0037607 <b>CG8036</b>	<b>0.14</b> 0 1 2	3
FBgn0000658 fj	FBgn0087035 <b>AGO2</b>	<b>0.13</b> 4 4 6	14
FBgn0000658 fj	FBgn0010408 <b>RpS9</b>	<b>0.13</b> 5 2 1	8
FBgn0000658 fj	FBgn0028734 <b>Fmr1</b>	<b>0.12</b> 7 5 5	17
FBgn0000658 fj	FBgn0038965 <b>mats</b>	<b>0.12</b> 0 0 2	2
FBgn0000658 fj	FBgn0032731 <b>CG10641</b>	<b>0.11</b> 6 6 3	15
FBgn0000658 fj	FBgn0033482 <b>CG1371</b>	<b>0.11</b> 2 1 0	3
FBgn0000658 fj	FBgn0026409 <b>Mpcp</b>	<b>0.11</b> 0 1 2	3
FBgn0000658 fj	FBgn0262716 <b>Arp66B</b>	<b>0.1</b> 6 6 3	15
FBgn0000658 fj	FBgn0015268 <b>Nap1</b>	<b>0.1</b> 3 2 2	7
FBgn0000658 fj	FBgn0033039 <b>gp210</b>	<b>0.1</b> 2 2 0	4
FBgn0000658 fj	FBgn0250814 <b>CG4169</b>	<b>0.09</b> 7 6 3	16
FBgn0000658 fj	FBgn0263106 <b>DnaJ-1</b>	<b>0.09</b> 3 2 1	6
FBgn0000658 fj	FBgn0034237 <b>eIF3-S9</b>	<b>0.08</b> 1 1 2	4
FBgn0000658 fj	FBgn0038535 <b>alt</b>	<b>0.08</b> 0 0 2	2
FBgn0000658 fj	FBgn0002593 <b>RpLP1</b>	<b>0.06</b> 1 2 2	5
FBgn0000658 fj	FBgn0010348 <b>Arf79F</b>	<b>0.06</b> 1 2 1	4
FBgn0000658 fj	FBgn0032444 <b>CG5525</b>	<b>0.05</b> 2 2 4	8
FBgn0000658 fj	FBgn0086710 <b>RpL30</b>	<b>0.05</b> 2 2 2	6
FBgn0000658 fj	FBgn0001197 <b>His2Av</b>	<b>0.05</b> 2 1 1	4
FBgn0000658 fj	FBgn0013981 <b>His4r</b>	<b>0.04</b> 3 2 2	7
FBgn0000658 fj	FBgn0037719 <b>bocksbeutel</b>	<b>0.04</b> 0 4 1	5

## (A) entire PPIN

FBgn0000658 fj	FBgn0028969 <b>deltaCOP</b>	<b>0.03</b> 3 5 3	11
FBgn0000658 fj	FBgn0000181 <b>bic</b>	<b>0.02</b> 1 4 8	13
FBgn0000658 fj	FBgn0017545 <b>RpS3A</b>	<b>0.02</b> 3 2 2	7
FBgn0000658 fj	FBgn0001215 <b>Hrb98DE</b>	<b>0.02</b> 4 2 1	7
FBgn0000658 fj	FBgn0003514 <b>sqh</b>	<b>0.01</b> 17 14 8	39
FBgn0000658 fj	FBgn0038145 <b>Droj2</b>	<b>0.01</b> 9 12 10	31
FBgn0000658 fj	FBgn0002780 <b>mod</b>	<b>0.01</b> 6 4 7	17
FBgn0000658 fj	FBgn0000258 <b>Ckl1alpha</b>	<b>0.01</b> 7 5 5	17
FBgn0000658 fj	FBgn0031781 <b>Arc-p20</b>	<b>0.01</b> 2 4 3	9
FBgn0000658 fj	FBgn0019936 <b>RpS20</b>	<b>0.01</b> 3 4 2	9
FBgn0000658 fj	FBgn0024987 <b>ssx</b>	<b>0.01</b> 2 2 3	7
FBgn0000658 fj	FBgn0038805 <b>TFAM</b>	<b>0.01</b> 2 2 1	5
FBgn0000658 fj	FBgn0005674 <b>Aats-glupro</b>	<b>0.01</b> 1 1 2	4
FBgn0000658 fj	FBgn0005634 <b>zip</b>	<b>0</b> 248 213 150	611
FBgn0000658 fj	FBgn0000556 <b>Ef1alpha48D</b>	<b>0</b> 42 59 45	146
FBgn0000658 fj	FBgn0000042 <b>Act5C</b>	<b>0</b> 37 36 40	113
FBgn0000658 fj	FBgn0003887 <b>betaTub56D</b>	<b>0</b> 31 33 31	95
FBgn0000658 fj	FBgn0001218 <b>Hsc70-3</b>	<b>0</b> 33 27 24	84
FBgn0000658 fj	FBgn0002525 <b>Lam</b>	<b>0</b> 24 31 23	78
FBgn0000658 fj	FBgn0000709 <b>flil</b>	<b>0</b> 31 26 20	77
FBgn0000658 fj	FBgn0003721 <b>Tm1</b>	<b>0</b> 27 26 16	69
FBgn0000658 fj	FBgn0003884 <b>alphaTub84B</b>	<b>0</b> 21 22 20	63
FBgn0000658 fj	FBgn0001219 <b>Hsc70-4</b>	<b>0</b> 23 22 18	63
FBgn0000658 fj	FBgn0003178 <b>PyK</b>	<b>0</b> 21 20 16	57
FBgn0000658 fj	FBgn0030699 <b>CG8578</b>	<b>0</b> 18 17 12	47
FBgn0000658 fj	FBgn0263231 <b>bel</b>	<b>0</b> 14 14 16	44
FBgn0000658 fj	FBgn0001220 <b>Hsc70-5</b>	<b>0</b> 13 18 11	42
FBgn0000658 fj	FBgn0250789 <b>alpha-Spec</b>	<b>0</b> 17 16 8	41
FBgn0000658 fj	FBgn0034577 <b>cpa</b>	<b>0</b> 14 14 8	36
FBgn0000658 fj	FBgn0039757 <b>RpS7</b>	<b>0</b> 12 11 9	32
FBgn0000658 fj	FBgn0004687 <b>Mlc-c</b>	<b>0</b> 12 9 8	29
FBgn0000658 fj	FBgn0040227 <b>eIF-3p66</b>	<b>0</b> 9 9 9	27
FBgn0000658 fj	FBgn0029176 <b>Ef1gamma</b>	<b>0</b> 7 11 7	25
FBgn0000658 fj	FBgn0037891 <b>CG5214</b>	<b>0</b> 10 10 5	25
FBgn0000658 fj	FBgn0082582 <b>tmod</b>	<b>0</b> 12 8 4	24
FBgn0000658 fj	FBgn0011570 <b>cpb</b>	<b>0</b> 10 8 5	23
FBgn0000658 fj	FBgn0003360 <b>sesB</b>	<b>0</b> 7 8 6	21
FBgn0000658 fj	FBgn0261710 <b>nocte</b>	<b>0</b> 7 8 6	21
FBgn0000658 fj	FBgn0261619 <b>pAbp</b>	<b>0</b> 9 6 5	20
FBgn0000658 fj	FBgn0010217 <b>ATPsyn-beta</b>	<b>0</b> 7 5 6	18
FBgn0000658 fj	FBgn0003676 <b>T-cp1</b>	<b>0</b> 6 6 6	18
FBgn0000658 fj	FBgn0262734 <b>Rbp2</b>	<b>0</b> 4 8 6	18
FBgn0000658 fj	FBgn0011211 <b>blw</b>	<b>0</b> 6 6 6	18
FBgn0000658 fj	FBgn0036213 <b>RpL10Ab</b>	<b>0</b> 6 5 6	17
FBgn0000658 fj	FBgn0035608 <b>blanks</b>	<b>0</b> 5 4 7	16
FBgn0000658 fj	FBgn0003888 <b>betaTub60D</b>	<b>0</b> 6 6 4	16
FBgn0000658 fj	FBgn0015834 <b>Trip1</b>	<b>0</b> 6 5 5	16
FBgn0000658 fj	FBgn0263391 <b>hts</b>	<b>0</b> 6 5 5	16
FBgn0000658 fj	FBgn0000044 <b>Act57B</b>	<b>0</b> 5 5 5	15
FBgn0000658 fj	FBgn0004237 <b>Hrb87F</b>	<b>0</b> 4 6 5	15
FBgn0000658 fj	FBgn0003022 <b>Ote</b>	<b>0</b> 2 8 5	15

## (A) entire PPIN

FBgn0000658 fj	FBgn0000100 <b>RpLP0</b>	0 5 5 4	14
FBgn0000658 fj	FBgn0039697 <b>CG7834</b>	0 3 6 4	13
FBgn0000658 fj	FBgn0004888 <b>Scsalpha</b>	0 4 5 4	13
FBgn0000658 fj	FBgn0263396 <b>sqd</b>	0 5 4 3	12
FBgn0000658 fj	FBgn0053303 <b>CG33303</b>	0 5 3 4	12
FBgn0000658 fj	FBgn0015778 <b>rin</b>	0 2 4 6	12
FBgn0000658 fj	FBgn0027066 <b>Eb1</b>	0 4 6 2	12
FBgn0000658 fj	FBgn0031977 <b>baf</b>	0 5 4 3	12
FBgn0000658 fj	FBgn0032859 <b>Arc-p34</b>	0 5 5 1	11
FBgn0000658 fj	FBgn0011284 <b>RpS4</b>	0 5 4 2	11
FBgn0000658 fj	FBgn0035499 <b>Chd64</b>	0 4 3 4	11
FBgn0000658 fj	FBgn0002645 <b>Map205</b>	0 4 5 2	11
FBgn0000658 fj	FBgn0001216 <b>Hsc70-1</b>	0 3 4 4	11
FBgn0000658 fj	FBgn0013325 <b>RpL11</b>	0 4 4 3	11
FBgn0000658 fj	FBgn0001233 <b>Hsp83</b>	0 3 1 6	10
FBgn0000658 fj	FBgn0029093 <b>cathD</b>	0 3 3 4	10
FBgn0000658 fj	FBgn0030993 <b>Mec2</b>	0 4 3 3	10
FBgn0000658 fj	FBgn0001942 <b>eIF-4a</b>	0 4 3 3	10
FBgn0000658 fj	FBgn0261593 <b>RpS10b</b>	0 3 3 3	9
FBgn0000658 fj	FBgn0014189 <b>Hel25E</b>	0 5 2 2	9
FBgn0000658 fj	FBgn0003890 <b>betaTub97EF</b>	0 3 3 3	9
FBgn0000658 fj	FBgn0010198 <b>RpS15Aa</b>	0 4 3 2	9
FBgn0000658 fj	FBgn0027932 <b>Akap200</b>	0 3 5 1	9
FBgn0000658 fj	FBgn0004403 <b>RpS14a</b>	0 2 4 3	9
FBgn0000658 fj	FBgn0004363 <b>porin</b>	0 3 2 4	9
FBgn0000658 fj	FBgn0003732 <b>Top2</b>	0 7 0 1	8
FBgn0000658 fj	FBgn0015756 <b>RpL9</b>	0 3 3 2	8
FBgn0000658 fj	FBgn0051363 <b>Jupiter</b>	0 1 3 3	7
FBgn0000658 fj	FBgn0001961 <b>Sop2</b>	0 2 4 1	7
FBgn0000658 fj	FBgn0086904 <b>Nacalpha</b>	0 2 2 3	7
FBgn0000658 fj	FBgn0034743 <b>RpS16</b>	0 2 4 1	7
FBgn0000658 fj	FBgn0010078 <b>RpL23</b>	0 3 3 1	7
FBgn0000658 fj	FBgn0031437 <b>p16-ARC</b>	0 3 3 1	7
FBgn0000658 fj	FBgn0011710 <b>Sep1</b>	0 2 4 1	7
FBgn0000658 fj	FBgn0014269 <b>prod</b>	0 4 1 2	7
FBgn0000658 fj	FBgn0039300 <b>RpS27</b>	0 2 3 1	6
FBgn0000658 fj	FBgn0034970 <b>yki</b>	0 4 1 1	6
FBgn0000658 fj	FBgn0028737 <b>Ef1beta</b>	0 2 2 2	6
FBgn0000658 fj	FBgn0261397 <b>didum</b>	0 5 0 1	6
FBgn0000658 fj	FBgn0000559 <b>Ef2b</b>	0 1 0 4	5
FBgn0000658 fj	FBgn0029118 <b>Sucb</b>	0 2 3 0	5
FBgn0000658 fj	FBgn0261609 <b>eIF-2alpha</b>	0 2 2 1	5
FBgn0000658 fj	FBgn0002622 <b>RpS3</b>	0 1 3 1	5
FBgn0000658 fj	FBgn0025286 <b>RpL31</b>	0 2 1 1	4
FBgn0000658 fj	FBgn0001217 <b>Hsc70-2</b>	0 1 2 1	4
FBgn0000658 fj	FBgn0004167 <b>kst</b>	0 0 1 3	4
FBgn0000658 fj	FBgn0035872 <b>CG7185</b>	0 1 2 1	4
FBgn0000658 fj	FBgn0000173 <b>ben</b>	0 2 1 1	4
FBgn0000658 fj	FBgn0027329 <b>Tcp-1zeta</b>	0 1 1 2	4
FBgn0000658 fj	FBgn0000319 <b>Chc</b>	0 3 0 1	4
FBgn0000658 fj	FBgn0004838 <b>Hrb27C</b>	0 0 2 2	4

## (A) entire PPIN

FBgn0000658 fj	FBgn0004556 <b>Dbp73D</b>	0 1 1 1	3
FBgn0000658 fj	FBgn0031021 <b>CG12203</b>	0 1 1 1	3
FBgn0000658 fj	FBgn0028470 <b>Patr-1</b>	0 1 1 1	3
FBgn0000658 fj	FBgn0011787 <b>mRpL12</b>	0 1 1 1	3
FBgn0000658 fj	FBgn0011742 <b>Arp14D</b>	0 1 2 0	3
FBgn0000658 fj	FBgn0026761 <b>Trap1</b>	0 1 1 1	3
FBgn0000658 fj	FBgn0020910 <b>RpL3</b>	0 1 1 1	3
FBgn0000658 fj	FBgn0014391 <b>sun</b>	0 1 1 1	3
FBgn0000658 fj	FBgn0031066 <b>CG14235</b>	0 1 1 1	3
FBgn0000658 fj	FBgn0030136 <b>RpS28b</b>	0 1 1 1	3
FBgn0000658 fj	FBgn0261380 <b>mRpL37</b>	0 1 1 1	3
FBgn0000658 fj	FBgn0022959 <b>yps</b>	0 1 1 1	3
FBgn0000658 fj	FBgn0053868 <b>His2B:CG3386</b>	0 1 1 1	3
FBgn0000658 fj	FBgn0086656 <b>shrb</b>	0 1 1 1	3
FBgn0000658 fj	FBgn0035811 <b>CG12262</b>	0 1 1 1	3
FBgn0000658 fj	FBgn0003449 <b>snf</b>	0 1 1 1	3
FBgn0000658 fj	FBgn0024556 <b>EfTuM</b>	0 1 1 1	3
FBgn0000658 fj	FBgn0033740 <b>dgt5</b>	0 1 1 1	3
FBgn0000658 fj	FBgn0025700 <b>CG5885</b>	0 1 1 1	3
FBgn0000658 fj	FBgn0003274 <b>RpLP2</b>	0 1 1 1	3
FBgn0000658 fj	FBgn0053193 <b>sav</b>	0 1 1 1	3
FBgn0000658 fj	FBgn0003941 <b>RpL40</b>	0 1 1 1	3
FBgn0000658 fj	FBgn0032961 <b>CG1416</b>	0 1 1 1	3
FBgn0000658 fj	FBgn0034398 <b>CG15098</b>	0 1 1 1	3
FBgn0000658 fj	FBgn0039129 <b>RpS19b</b>	0 0 1 1	2
FBgn0000658 fj	FBgn0034138 <b>RpS15</b>	0 1 0 1	2
FBgn0000658 fj	FBgn0261792 <b>snRNP-U1-C</b>	0 1 0 1	2
FBgn0000658 fj	FBgn0037632 <b>Tcp-1eta</b>	0 0 1 1	2
FBgn0000658 fj	FBgn0035987 <b>CG3689</b>	0 1 1 0	2
FBgn0000658 fj	FBgn0023512 <b>eIF2B-epsilon</b>	0 1 1 0	2
FBgn0000658 fj	FBgn0261596 <b>RpS24</b>	0 1 0 1	2
FBgn0000658 fj	FBgn0262735 <b>Imp</b>	0 0 1 1	2
FBgn0000658 fj	FBgn0015245 <b>Hsp60</b>	0 1 0 1	2
FBgn0000658 fj	FBgn0027494 <b>RpS10a</b>	0 1 1 0	2
FBgn0000658 fj	FBgn0030672 <b>CG9281</b>	0 1 1 0	2
FBgn0000658 fj	FBgn0036641 <b>Smn</b>	0 1 0 1	2
FBgn0000658 fj	FBgn0029975 <b>CG1444</b>	0 0 1 1	2
FBgn0000658 fj	FBgn0019644 <b>ATPsyn-b</b>	0 1 0 1	2
FBgn0000658 fj	FBgn0002924 <b>ncd</b>	0 1 1 0	2
FBgn0000658 fj	FBgn0010808 <b>I(3)03670</b>	0 1 1 0	2
FBgn0000658 fj	FBgn0031392 <b>AIF</b>	0 1 0 1	2
FBgn0000658 fj	FBgn0037249 <b>eIF3-S10</b>	0 1 1 0	2
FBgn0000658 fj	FBgn0010516 <b>wal</b>	0 1 0 1	2
FBgn0000658 fj	FBgn0021795 <b>Tapdelta</b>	0 1 0 1	2
FBgn0000658 fj	FBgn0033897 <b>Rcd1</b>	0 1 1 0	2
FBgn0000658 fj	FBgn0037137 <b>Nopp140</b>	0 1 0 1	2
FBgn0000658 fj	FBgn0035600 <b>CG4769</b>	0 1 1 0	2
FBgn0000658 fj	FBgn0005533 <b>RpS17</b>	0 1 0 1	2
FBgn0000658 fj	FBgn0032643 <b>CG6453</b>	0 1 1 0	2
FBgn0000658 fj	FBgn0023213 <b>eIF4G</b>	0 0 1 1	2
FBgn0000658 fj	FBgn0034181 <b>CG8963</b>	0 0 1 1	2



## (A) entire PPIN

FBgn0000658 fj	FBgn0030943 <b>CG6540</b>	0 1 0 1	2
FBgn0000658 fj	FBgn0037756 <b>CG8507</b>	0 0 1 1	2
FBgn0000658 fj	FBgn0029687 <b>Vap-33-1</b>	0 1 0 1	2
FBgn0000658 fj	FBgn0034313 <b>CG5726</b>	0 1 0 1	2
FBgn0000658 fj	FBgn0001315 <b>kl-5</b>	0 0 1 1	2
FBgn0000658 fj	FBgn0032035 <b>CG13393</b>	0 0 1 1	2
FBgn0000658 fj	FBgn0029861 <b>CG3815</b>	0 0 1 1	2
FBgn0000658 fj	FBgn0013756 <b>Mtor</b>	0 0 0 2	2
FBgn0000658 fj	FBgn0041775 <b>tral</b>	0 0 1 1	2
FBgn0000658 fj	FBgn0013726 <b>pnut</b>	0 0 1 1	2
FBgn0000658 fj	FBgn0261618 <b>larp</b>	0 1 1 0	2
FBgn0000658 fj	FBgn0259240 <b>Ten-a</b>	0 1 1 0	2
FBgn0000658 fj	FBgn0041702 <b>CG15107</b>	0 1 1 0	2
FBgn0000658 fj	FBgn0261608 <b>RpL37A</b>	0 1 0 1	2
FBgn0000658 fj	FBgn0034432 <b>CG7461</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0034401 <b>CG15100</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0035589 <b>CHMP2B</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0033194 <b>Vps13</b>	0 1 0 0	1
FBgn0000658 fj	FBgn0038476 <b>kuk</b>	0 1 0 0	1
FBgn0000658 fj	FBgn0004168 <b>5-HT1A</b>	0 1 0 0	1
FBgn0000658 fj	FBgn0037454 <b>CG1137</b>	0 1 0 0	1
FBgn0000658 fj	FBgn0030992 <b>CG33253</b>	0 1 0 0	1
FBgn0000658 fj	FBgn0003382 <b>sha</b>	0 0 1 0	1
FBgn0000658 fj	FBgn0032359 <b>Osi21</b>	0 1 0 0	1
FBgn0000658 fj	FBgn0022023 <b>eIF-3p40</b>	0 1 0 0	1
FBgn0000658 fj	FBgn0039359 <b>RpL27</b>	0 1 0 0	1
FBgn0000658 fj	FBgn0051413 <b>CG31413</b>	0 1 0 0	1
FBgn0000658 fj	FBgn0050421 <b>CG30421</b>	0 0 1 0	1
FBgn0000658 fj	FBgn0263598 <b>Vha68-2</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0030086 <b>CG7033</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0024366 <b>CG11409</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0001075 <b>ft</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0035203 <b>CG9149</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0034345 <b>CG5174</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0052112 <b>CG32112</b>	0 1 0 0	1
FBgn0000658 fj	FBgn0260462 <b>CG12163</b>	0 0 1 0	1
FBgn0000658 fj	FBgn0051453 <b>pch2</b>	0 1 0 0	1
FBgn0000658 fj	FBgn0028331 <b>I(1)G0289</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0030322 <b>CG15220</b>	0 0 1 0	1
FBgn0000658 fj	FBgn0033579 <b>CG13229</b>	0 1 0 0	1
FBgn0000658 fj	FBgn0037810 <b>sle</b>	0 0 1 0	1
FBgn0000658 fj	FBgn0036793 <b>CG4174</b>	0 1 0 0	1
FBgn0000658 fj	FBgn0260441 <b>RpS12</b>	0 0 1 0	1
FBgn0000658 fj	FBgn0040089 <b>meso18E</b>	0 0 1 0	1
FBgn0000658 fj	FBgn0036258 <b>CG5642</b>	0 0 1 0	1
FBgn0000658 fj	FBgn0004907 <b>14-3-3zeta</b>	0 0 1 0	1
FBgn0000658 fj	FBgn0263198 <b>Acn</b>	0 0 1 0	1
FBgn0000658 fj	FBgn0031285 <b>CG3662</b>	0 1 0 0	1
FBgn0000658 fj	FBgn0039713 <b>RpS8</b>	0 1 0 0	1
FBgn0000658 fj	FBgn0015737 <b>Hmu</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0039560 <b>CG5514</b>	0 1 0 0	1

## (A) entire PPIN

FBgn0000658 fj	FBgn0025637 <b>skpA</b>	0 0 1 0	1
FBgn0000658 fj	FBgn0030109 <b>CG12121</b>	0 0 1 0	1
FBgn0000658 fj	FBgn0263355 <b>CG31688</b>	0 1 0 0	1
FBgn0000658 fj	FBgn0035009 <b>CG16837</b>	0 1 0 0	1
FBgn0000658 fj	FBgn0024833 <b>AP-47</b>	0 0 1 0	1
FBgn0000658 fj	FBgn0039066 <b>EloA</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0032973 <b>CG6675</b>	0 1 0 0	1
FBgn0000658 fj	FBgn0010438 <b>mtSSB</b>	0 0 1 0	1
FBgn0000658 fj	FBgn0012036 <b>Aldh</b>	0 0 1 0	1
FBgn0000658 fj	FBgn0034968 <b>RpL12</b>	0 1 0 0	1
FBgn0000658 fj	FBgn0013972 <b>Gycalpha99B</b>	0 0 1 0	1
FBgn0000658 fj	FBgn0050125 <b>Ir56a</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0052479 <b>CG32479</b>	0 0 1 0	1
FBgn0000658 fj	FBgn0262125 <b>sec23</b>	0 0 1 0	1
FBgn0000658 fj	FBgn0033342 <b>CG8258</b>	0 0 1 0	1
FBgn0000658 fj	FBgn0023521 <b>CG3587</b>	0 1 0 0	1
FBgn0000658 fj	FBgn0034277 <b>CG6370</b>	0 1 0 0	1
FBgn0000658 fj	FBgn0034924 <b>CG17658</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0262126 <b>gho</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0261458 <b>capt</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0028695 <b>Rpn1</b>	0 0 1 0	1
FBgn0000658 fj	FBgn0039272 <b>CG11836</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0041188 <b>Atx2</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0086347 <b>Myo31DF</b>	0 1 0 0	1
FBgn0000658 fj	FBgn0038369 <b>Arpc3A</b>	0 1 0 0	1
FBgn0000658 fj	FBgn0040333 <b>brv3</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0034066 <b>CG8397</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0038106 <b>CG7488</b>	0 0 1 0	1
FBgn0000658 fj	FBgn0011823 <b>Pen</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0032833 <b>CG10664</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0039536 <b>CG18437</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0033879 <b>CG6543</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0040299 <b>Myo28B1</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0086443 <b>Aats-asn</b>	0 0 1 0	1
FBgn0000658 fj	FBgn0039537 <b>CG5590</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0086691 <b>UK114</b>	0 1 0 0	1
FBgn0000658 fj	FBgn0033085 <b>CG15908</b>	0 0 1 0	1
FBgn0000658 fj	FBgn0261387 <b>CG17528</b>	0 1 0 0	1
FBgn0000658 fj	FBgn0013810 <b>Dhc36C</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0037301 <b>Mms19</b>	0 0 1 0	1
FBgn0000658 fj	FBgn0043456 <b>CG4747</b>	0 0 1 0	1
FBgn0000658 fj	FBgn0001092 <b>Gapdh2</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0040007 <b>RpL38</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0020756 <b>DNApol-epsilc</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0052463 <b>CG32463</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0024352 <b>Hop</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0000043 <b>Act42A</b>	0 0 1 0	1
FBgn0000658 fj	FBgn0016120 <b>ATPsyn-d</b>	0 0 0 1	1
FBgn0000658 fj	FBgn0032168 <b>CG13126</b>	0 0 1 0	1
FBgn0000658 fj	FBgn0035165 <b>CG13887</b>	0 1 0 0	1
FBgn0000658 fj	FBgn0002579 <b>RpL36</b>	0 1 0 0	1

## (A) entire PPIN

FBgn0000658	fj	FBgn0039000	<b>CG6954</b>	0 0 0 1	1
FBgn0000658	fj	FBgn0004587	<b>B52</b>	0 1 0 0	1
FBgn0000658	fj	FBgn0015907	<b>bl</b>	0 0 1 0	1
FBgn0000658	fj	FBgn0262719	<b>CG43163</b>	0 0 0 1	1
FBgn0000658	fj	FBgn0027338	<b>Kap-alpha3</b>	0 1 0 0	1
FBgn0000658	fj	FBgn0037409	<b>CG15589</b>	0 0 0 1	1
FBgn0000658	fj	FBgn0015806	<b>S6k</b>	0 0 0 1	1
FBgn0000658	fj	FBgn0031118	<b>RhoGAP19D</b>	0 0 1 0	1
FBgn0000658	fj	FBgn0004362	<b>HmgD</b>	0 0 0 1	1
FBgn0000658	fj	FBgn0013576	<b>I(3)82Fd</b>	0 1 0 0	1
FBgn0000658	fj	FBgn0260858	<b>Ykt6</b>	0 0 0 1	1
FBgn0000658	fj	FBgn0002787	<b>Mov34</b>	0 0 0 1	1
FBgn0000658	fj	FBgn0033845	<b>mars</b>	0 0 1 0	1
FBgn0000658	fj	FBgn0038499	<b>Brf</b>	0 1 0 0	1
FBgn0000658	fj	FBgn0038857	<b>CG17282</b>	0 1 0 0	1
FBgn0000658	fj	FBgn0028554	<b>x16</b>	0 0 0 1	1
FBgn0000658	fj	FBgn0040309	<b>Jafrac1</b>	0 0 0 1	1
FBgn0000658	fj	FBgn0035753	<b>RpL18</b>	0 1 0 0	1
FBgn0000658	fj	FBgn0004574	<b>Rop</b>	0 0 0 1	1
FBgn0000658	fj	FBgn0011638	<b>La</b>	0 0 0 1	1
FBgn0000658	fj	FBgn0004867	<b>RpS2</b>	0 0 1 0	1
FBgn0000658	fj	FBgn0030970	<b>CG7326</b>	0 0 0 1	1
FBgn0000658	fj	FBgn0040286	<b>SC35</b>	0 1 0 0	1
FBgn0000658	fj	FBgn0010352	<b>Nc73EF</b>	0 0 0 1	1
FBgn0000658	fj	FBgn0034089	<b>CG8446</b>	0 0 0 1	1
FBgn0000658	fj	FBgn0261928	<b>CG42795</b>	0 0 1 0	1
FBgn0000658	fj	FBgn0026372	<b>RpL23A</b>	0 1 0 0	1
FBgn0000658	fj	FBgn0014141	<b>cher</b>	0 1 0 0	1
FBgn0000658	fj	FBgn0024814	<b>Cic</b>	0 0 0 1	1
FBgn0000658	fj	FBgn0016685	<b>Nlp</b>	0 0 0 1	1
FBgn0000658	fj	FBgn0030956	<b>CG18259</b>	0 0 0 1	1
FBgn0000658	fj	FBgn0003517	<b>sta</b>	0 0 1 0	1
FBgn0000658	fj	FBgn0003719	<b>tld</b>	0 0 0 1	1
FBgn0000658	fj	FBgn0034308	<b>CG10915</b>	0 1 0 0	1
FBgn0000658	fj	FBgn0002069	<b>Aats-asp</b>	0 0 0 1	1
FBgn0000658	fj	FBgn0020235	<b>ATPsyn-gamn</b>	0 0 1 0	1
FBgn0000658	fj	FBgn0020255	<b>ran</b>	0 0 0 1	1
FBgn0000658	fj	FBgn0037051	<b>CG10565</b>	0 0 0 1	1
FBgn0000658	fj	FBgn0000317	<b>ck</b>	0 1 0 0	1
FBgn0000658	fj	FBgn0263197	<b>Patronin</b>	0 0 1 0	1
FBgn0004583	ex	FBgn0015245	<b>Hsp60</b>	1 93 104 89	286
FBgn0004583	ex	FBgn0030993	<b>Mec2</b>	1 15 15 11	41
FBgn0004583	ex	FBgn0036892	<b>CG8798</b>	1 11 14 13	38
FBgn0004583	ex	FBgn0004638	<b>drk</b>	1 7 6 7	20
FBgn0004583	ex	FBgn0020255	<b>ran</b>	0.9 5 4 5	14
FBgn0004583	ex	FBgn0004227	<b>nonA</b>	0.82 9 6 7	22
FBgn0004583	ex	FBgn0030956	<b>CG18259</b>	0.77 2 3 3	8
FBgn0004583	ex	FBgn0039129	<b>RpS19b</b>	0.74 6 2 2	10
FBgn0004583	ex	FBgn0027598	<b>cindr</b>	0.71 7 5 2	14
FBgn0004583	ex	FBgn0034970	<b>yki</b>	0.67 10 9 11	30
FBgn0004583	ex	FBgn0027084	<b>Aats-lys</b>	0.63 3 4 1	8

## (A) entire PPIN

FBgn0004583 ex	FBgn0035500 <b>ens</b>	<b>0.6</b> 2 2 2	6
FBgn0004583 ex	FBgn0261397 <b>didum</b>	<b>0.57</b> 15 7 12	34
FBgn0004583 ex	FBgn0030992 <b>CG33253</b>	<b>0.57</b> 1 2 3	6
FBgn0004583 ex	FBgn0003261 <b>Rm62</b>	<b>0.54</b> 21 10 10	41
FBgn0004583 ex	FBgn0003022 <b>Ote</b>	<b>0.54</b> 14 13 8	35
FBgn0004583 ex	FBgn0028734 <b>Fmr1</b>	<b>0.53</b> 11 7 7	25
FBgn0004583 ex	FBgn0041775 <b>tral</b>	<b>0.5</b> 6 2 3	11
FBgn0004583 ex	FBgn0011571 <b>caz</b>	<b>0.46</b> 3 1 1	5
FBgn0004583 ex	FBgn0024556 <b>EfTuM</b>	<b>0.44</b> 6 3 2	11
FBgn0004583 ex	FBgn0025700 <b>CG5885</b>	<b>0.43</b> 1 2 1	4
FBgn0004583 ex	FBgn0037719 <b>bocksbeutel</b>	<b>0.4</b> 13 4 4	21
FBgn0004583 ex	FBgn0000578 <b>ena</b>	<b>0.37</b> 1 1 2	4
FBgn0004583 ex	FBgn0005411 <b>U2af50</b>	<b>0.37</b> 1 2 1	4
FBgn0004583 ex	FBgn0037249 <b>eIF3-S10</b>	<b>0.35</b> 3 2 1	6
FBgn0004583 ex	FBgn0086783 <b>Mhc</b>	<b>0.32</b> 0 0 20	20
FBgn0004583 ex	FBgn0038805 <b>TFAM</b>	<b>0.31</b> 7 1 1	9
FBgn0004583 ex	FBgn0040284 <b>SF2</b>	<b>0.31</b> 3 0 0	3
FBgn0004583 ex	FBgn0023167 <b>SmD3</b>	<b>0.31</b> 2 0 1	3
FBgn0004583 ex	FBgn0000047 <b>Act88F</b>	<b>0.28</b> 0 0 3	3
FBgn0004583 ex	FBgn0087035 <b>AGO2</b>	<b>0.27</b> 8 4 3	15
FBgn0004583 ex	FBgn0011016 <b>SsRbeta</b>	<b>0.27</b> 1 2 2	5
FBgn0004583 ex	FBgn0010348 <b>Arf79F</b>	<b>0.26</b> 3 2 1	6
FBgn0004583 ex	FBgn0028479 <b>CG4389</b>	<b>0.26</b> 2 3 1	6
FBgn0004583 ex	FBgn0034270 <b>CG6401</b>	<b>0.26</b> 2 0 1	3
FBgn0004583 ex	FBgn0010516 <b>wal</b>	<b>0.24</b> 2 3 1	6
FBgn0004583 ex	FBgn0010774 <b>Aly</b>	<b>0.24</b> 2 0 1	3
FBgn0004583 ex	FBgn0032906 <b>RPA2</b>	<b>0.23</b> 0 0 2	2
FBgn0004583 ex	FBgn0262735 <b>Imp</b>	<b>0.22</b> 0 2 0	2
FBgn0004583 ex	FBgn0003449 <b>snf</b>	<b>0.21</b> 2 1 1	4
FBgn0004583 ex	FBgn0001091 <b>Gapdh1</b>	<b>0.2</b> 0 0 2	2
FBgn0004583 ex	FBgn0014026 <b>RpL7A</b>	<b>0.2</b> 2 0 0	2
FBgn0004583 ex	FBgn0034313 <b>CG5726</b>	<b>0.18</b> 0 0 2	2
FBgn0004583 ex	FBgn0263347 <b>Caf1</b>	<b>0.17</b> 3 0 0	3
FBgn0004583 ex	FBgn0261606 <b>RpL27A</b>	<b>0.17</b> 2 0 0	2
FBgn0004583 ex	FBgn0015218 <b>eIF-4E</b>	<b>0.16</b> 2 1 0	3
FBgn0004583 ex	FBgn0010226 <b>GstS1</b>	<b>0.16</b> 0 0 2	2
FBgn0004583 ex	FBgn0022959 <b>yps</b>	<b>0.15</b> 1 3 1	5
FBgn0004583 ex	FBgn0004401 <b>Pep</b>	<b>0.15</b> 3 0 1	4
FBgn0004583 ex	FBgn0010246 <b>Myo61F</b>	<b>0.14</b> 5 8 3	16
FBgn0004583 ex	FBgn0013981 <b>His4r</b>	<b>0.14</b> 4 1 1	6
FBgn0004583 ex	FBgn0003345 <b>sd</b>	<b>0.14</b> 0 1 2	3
FBgn0004583 ex	FBgn0005671 <b>Vha55</b>	<b>0.14</b> 0 0 2	2
FBgn0004583 ex	FBgn0029979 <b>CG10777</b>	<b>0.13</b> 10 5 7	22
FBgn0004583 ex	FBgn0261596 <b>RpS24</b>	<b>0.13</b> 1 1 2	4
FBgn0004583 ex	FBgn0013269 <b>FK506-bp1</b>	<b>0.12</b> 3 3 2	8
FBgn0004583 ex	FBgn0038965 <b>mats</b>	<b>0.12</b> 0 1 2	3
FBgn0004583 ex	FBgn0032731 <b>CG10641</b>	<b>0.11</b> 6 6 3	15
FBgn0004583 ex	FBgn0086356 <b>tum</b>	<b>0.11</b> 3 1 0	4
FBgn0004583 ex	FBgn0024987 <b>ssx</b>	<b>0.1</b> 3 4 4	11
FBgn0004583 ex	FBgn0010217 <b>ATPsyn-beta</b>	<b>0.09</b> 9 13 12	34
FBgn0004583 ex	FBgn0042134 <b>Capr</b>	<b>0.09</b> 9 6 5	20

## (A) entire PPIN

FBgn0004583 ex	FBgn0035987 <b>CG3689</b>	0.08	2 1 1	4
FBgn0004583 ex	FBgn0064225 <b>RpL5</b>	0.08	0 2 1	3
FBgn0004583 ex	FBgn0019936 <b>RpS20</b>	0.07	5 2 5	12
FBgn0004583 ex	FBgn0025286 <b>RpL31</b>	0.07	4 2 2	8
FBgn0004583 ex	FBgn0046214 <b>vig2</b>	0.07	2 4 1	7
FBgn0004583 ex	FBgn0261609 <b>eIF-2alpha</b>	0.07	4 2 1	7
FBgn0004583 ex	FBgn0010411 <b>RpS18</b>	0.07	2 2 1	5
FBgn0004583 ex	FBgn0030612 <b>CG5599</b>	0.07	1 2 1	4
FBgn0004583 ex	FBgn0013756 <b>Mtor</b>	0.06	8 5 3	16
FBgn0004583 ex	FBgn0032444 <b>CG5525</b>	0.06	4 3 1	8
FBgn0004583 ex	FBgn0033062 <b>Ars2</b>	0.06	2 1 0	3
FBgn0004583 ex	FBgn0086656 <b>shrb</b>	0.05	2 2 0	4
FBgn0004583 ex	FBgn0037643 <b>skap</b>	0.05	2 0 1	3
FBgn0004583 ex	FBgn0261385 <b>scra</b>	0.05	2 0 0	2
FBgn0004583 ex	FBgn0263396 <b>sqd</b>	0.04	6 7 4	17
FBgn0004583 ex	FBgn0017545 <b>RpS3A</b>	0.04	3 3 3	9
FBgn0004583 ex	FBgn0000173 <b>ben</b>	0.04	3 3 2	8
FBgn0004583 ex	FBgn0001215 <b>Hrb98DE</b>	0.03	4 3 4	11
FBgn0004583 ex	FBgn0004907 <b>14-3-3zeta</b>	0.03	1 2 2	5
FBgn0004583 ex	FBgn0005533 <b>RpS17</b>	0.03	2 1 1	4
FBgn0004583 ex	FBgn0000064 <b>Ald</b>	0.03	0 0 2	2
FBgn0004583 ex	FBgn0263106 <b>DnaJ-1</b>	0.02	2 2 1	5
FBgn0004583 ex	FBgn0086710 <b>RpL30</b>	0.02	2 1 1	4
FBgn0004583 ex	FBgn0020279 <b>lig</b>	0.01	5 4 4	13
FBgn0004583 ex	FBgn0036213 <b>RpL10Ab</b>	0.01	7 3 3	13
FBgn0004583 ex	FBgn0010173 <b>RpA-70</b>	0.01	0 4 3	7
FBgn0004583 ex	FBgn0000253 <b>Cam</b>	0.01	2 2 1	5
FBgn0004583 ex	FBgn0030136 <b>RpS28b</b>	0.01	1 2 1	4
FBgn0004583 ex	FBgn0035872 <b>CG7185</b>	0.01	2 1 0	3
FBgn0004583 ex	FBgn0005634 <b>zip</b>	0	259 212 205	676
FBgn0004583 ex	FBgn0000556 <b>Ef1alpha48D</b>	0	45 54 39	138
FBgn0004583 ex	FBgn0000042 <b>Act5C</b>	0	41 30 35	106
FBgn0004583 ex	FBgn0002525 <b>Lam</b>	0	40 33 22	95
FBgn0004583 ex	FBgn0003721 <b>Tm1</b>	0	34 31 23	88
FBgn0004583 ex	FBgn0001219 <b>Hsc70-4</b>	0	30 31 27	88
FBgn0004583 ex	FBgn0250789 <b>alpha-Spec</b>	0	23 17 18	58
FBgn0004583 ex	FBgn0003887 <b>betaTub56D</b>	0	21 18 19	58
FBgn0004583 ex	FBgn0000709 <b>fil1</b>	0	16 15 17	48
FBgn0004583 ex	FBgn0263231 <b>bel</b>	0	17 17 14	48
FBgn0004583 ex	FBgn0003884 <b>alphaTub84B</b>	0	17 16 14	47
FBgn0004583 ex	FBgn0261710 <b>nocte</b>	0	21 12 11	44
FBgn0004583 ex	FBgn0030699 <b>CG8578</b>	0	17 14 12	43
FBgn0004583 ex	FBgn0015778 <b>rin</b>	0	14 12 9	35
FBgn0004583 ex	FBgn0001218 <b>Hsc70-3</b>	0	15 9 10	34
FBgn0004583 ex	FBgn0004687 <b>Mlc-c</b>	0	9 12 9	30
FBgn0004583 ex	FBgn0039757 <b>RpS7</b>	0	13 7 7	27
FBgn0004583 ex	FBgn0261619 <b>pAbp</b>	0	11 8 8	27
FBgn0004583 ex	FBgn0003178 <b>PyK</b>	0	11 9 6	26
FBgn0004583 ex	FBgn0031977 <b>baf</b>	0	6 9 9	24
FBgn0004583 ex	FBgn0002645 <b>Map205</b>	0	11 6 6	23
FBgn0004583 ex	FBgn0037891 <b>CG5214</b>	0	10 3 7	20

## (A) entire PPIN

FBgn0004583 ex	FBgn0002780 mod	0 7 7 6	20
FBgn0004583 ex	FBgn0003360 sesB	0 6 7 7	20
FBgn0004583 ex	FBgn0011211 blw	0 5 6 9	20
FBgn0004583 ex	FBgn0001220 Hsc70-5	0 6 6 7	19
FBgn0004583 ex	FBgn0029176 Ef1gamma	0 10 5 3	18
FBgn0004583 ex	FBgn0039697 CG7834	0 8 5 5	18
FBgn0004583 ex	FBgn0038145 Droj2	0 7 7 3	17
FBgn0004583 ex	FBgn0040227 eIF-3p66	0 7 4 6	17
FBgn0004583 ex	FBgn0001233 Hsp83	0 7 5 4	16
FBgn0004583 ex	FBgn0082582 tmod	0 5 5 6	16
FBgn0004583 ex	FBgn0034577 cpa	0 6 5 5	16
FBgn0004583 ex	FBgn0001216 Hsc70-1	0 5 5 5	15
FBgn0004583 ex	FBgn0000258 Ckl1alpha	0 5 5 5	15
FBgn0004583 ex	FBgn0035499 Chd64	0 4 6 4	14
FBgn0004583 ex	FBgn0000044 Act57B	0 3 5 5	13
FBgn0004583 ex	FBgn0011225 jar	0 4 6 3	13
FBgn0004583 ex	FBgn0263391 hts	0 6 2 5	13
FBgn0004583 ex	FBgn0262734 Rbp2	0 3 5 4	12
FBgn0004583 ex	FBgn0035608 blanks	0 4 4 3	11
FBgn0004583 ex	FBgn0261456 hpo	0 4 4 3	11
FBgn0004583 ex	FBgn0004888 Scsalpha	0 4 4 3	11
FBgn0004583 ex	FBgn0013325 RpL11	0 4 3 4	11
FBgn0004583 ex	FBgn0011570 cpb	0 5 3 3	11
FBgn0004583 ex	FBgn0001942 eIF-4a	0 4 3 4	11
FBgn0004583 ex	FBgn0261593 RpS10b	0 3 3 4	10
FBgn0004583 ex	FBgn0003676 T-cp1	0 4 2 4	10
FBgn0004583 ex	FBgn0011284 RpS4	0 4 3 3	10
FBgn0004583 ex	FBgn0250814 CG4169	0 4 4 2	10
FBgn0004583 ex	FBgn0010078 RpL23	0 5 2 3	10
FBgn0004583 ex	FBgn0000181 bic	0 3 4 2	9
FBgn0004583 ex	FBgn0015834 Trip1	0 6 1 2	9
FBgn0004583 ex	FBgn0015756 RpL9	0 3 3 3	9
FBgn0004583 ex	FBgn0028327 I(1)G0320	0 2 4 3	9
FBgn0004583 ex	FBgn0028737 Ef1beta	0 4 2 2	8
FBgn0004583 ex	FBgn0003732 Top2	0 4 1 3	8
FBgn0004583 ex	FBgn0010198 RpS15Aa	0 3 2 3	8
FBgn0004583 ex	FBgn0027932 Akap200	0 5 2 1	8
FBgn0004583 ex	FBgn0003514 sqh	0 2 3 2	7
FBgn0004583 ex	FBgn0003888 betaTub60D	0 3 2 2	7
FBgn0004583 ex	FBgn0034968 RpL12	0 3 2 2	7
FBgn0004583 ex	FBgn0086904 Nacalpha	0 3 2 2	7
FBgn0004583 ex	FBgn0034743 RpS16	0 5 1 1	7
FBgn0004583 ex	FBgn0004403 RpS14a	0 3 1 3	7
FBgn0004583 ex	FBgn0004363 porin	0 2 3 2	7
FBgn0004583 ex	FBgn0014269 prod	0 4 3 0	7
FBgn0004583 ex	FBgn0014189 Hel25E	0 3 1 2	6
FBgn0004583 ex	FBgn0003890 betaTub97EF	0 2 2 2	6
FBgn0004583 ex	FBgn0001217 Hsc70-2	0 2 2 2	6
FBgn0004583 ex	FBgn0031256 CG4164	0 2 3 1	6
FBgn0004583 ex	FBgn0002622 RpS3	0 4 1 1	6
FBgn0004583 ex	FBgn0262716 Arp66B	0 1 2 2	5

## (A) entire PPIN

FBgn0004583 ex	FBgn0027066 <b>Eb1</b>	0 2 1 2	5
FBgn0004583 ex	FBgn0004167 <b>kst</b>	0 2 2 1	5
FBgn0004583 ex	FBgn0027329 <b>Tcp-1zeta</b>	0 2 2 1	5
FBgn0004583 ex	FBgn0004237 <b>Hrb87F</b>	0 2 2 1	5
FBgn0004583 ex	FBgn0028969 <b>deltaCOP</b>	0 1 2 2	5
FBgn0004583 ex	FBgn0039300 <b>RpS27</b>	0 1 1 2	4
FBgn0004583 ex	FBgn0051363 <b>Jupiter</b>	0 2 1 1	4
FBgn0004583 ex	FBgn0001961 <b>Sop2</b>	0 1 2 1	4
FBgn0004583 ex	FBgn0029093 <b>cathD</b>	0 2 2 0	4
FBgn0004583 ex	FBgn0000100 <b>RpLP0</b>	0 2 1 1	4
FBgn0004583 ex	FBgn0015268 <b>Nap1</b>	0 1 1 1	3
FBgn0004583 ex	FBgn0000559 <b>Ef2b</b>	0 0 2 1	3
FBgn0004583 ex	FBgn0261119 <b>Prp19</b>	0 1 1 1	3
FBgn0004583 ex	FBgn0005586 <b>Rab3</b>	0 1 1 1	3
FBgn0004583 ex	FBgn0039776 <b>PH4alphaEFB</b>	0 2 1 0	3
FBgn0004583 ex	FBgn0050122 <b>CG30122</b>	0 1 1 1	3
FBgn0004583 ex	FBgn0002593 <b>RpLP1</b>	0 1 1 1	3
FBgn0004583 ex	FBgn0001197 <b>His2Av</b>	0 1 1 1	3
FBgn0004583 ex	FBgn0033902 <b>Tango7</b>	0 1 1 1	3
FBgn0004583 ex	FBgn0024183 <b>vig</b>	0 1 1 1	3
FBgn0004583 ex	FBgn0010333 <b>Rac1</b>	0 1 1 1	3
FBgn0004583 ex	FBgn0026761 <b>Trap1</b>	0 1 1 1	3
FBgn0004583 ex	FBgn0020910 <b>RpL3</b>	0 1 1 1	3
FBgn0004583 ex	FBgn0014391 <b>sun</b>	0 1 1 1	3
FBgn0004583 ex	FBgn0262603 <b>sec8</b>	0 0 2 1	3
FBgn0004583 ex	FBgn0035753 <b>RpL18</b>	0 1 1 1	3
FBgn0004583 ex	FBgn0015797 <b>Rab6</b>	0 1 1 1	3
FBgn0004583 ex	FBgn0004867 <b>RpS2</b>	0 0 1 2	3
FBgn0004583 ex	FBgn0026372 <b>RpL23A</b>	0 1 1 1	3
FBgn0004583 ex	FBgn0003279 <b>RpL4</b>	0 1 1 1	3
FBgn0004583 ex	FBgn0003517 <b>sta</b>	0 1 1 1	3
FBgn0004583 ex	FBgn0000497 <b>ds</b>	0 1 1 1	3
FBgn0004583 ex	FBgn0034138 <b>RpS15</b>	0 0 1 1	2
FBgn0004583 ex	FBgn0015589 <b>Apc</b>	0 1 1 0	2
FBgn0004583 ex	FBgn0004556 <b>Dbp73D</b>	0 0 1 1	2
FBgn0004583 ex	FBgn0032359 <b>Osi21</b>	0 1 1 0	2
FBgn0004583 ex	FBgn0020238 <b>14-3-3epsilon</b>	0 0 1 1	2
FBgn0004583 ex	FBgn0002031 <b>I(2)37Cc</b>	0 1 0 1	2
FBgn0004583 ex	FBgn0032198 <b>eEF1delta</b>	0 0 1 1	2
FBgn0004583 ex	FBgn0016700 <b>Rab1</b>	0 1 0 1	2
FBgn0004583 ex	FBgn0011692 <b>pav</b>	0 2 0 0	2
FBgn0004583 ex	FBgn0086768 <b>Pcmt</b>	0 1 1 0	2
FBgn0004583 ex	FBgn0030086 <b>CG7033</b>	0 1 1 0	2
FBgn0004583 ex	FBgn0053303 <b>CG33303</b>	0 1 1 0	2
FBgn0004583 ex	FBgn0001075 <b>ft</b>	0 0 1 1	2
FBgn0004583 ex	FBgn0039687 <b>CG7593</b>	0 0 1 1	2
FBgn0004583 ex	FBgn0027494 <b>RpS10a</b>	0 1 1 0	2
FBgn0004583 ex	FBgn0028470 <b>Patr-1</b>	0 1 1 0	2
FBgn0004583 ex	FBgn0030692 <b>mRpS30</b>	0 0 1 1	2
FBgn0004583 ex	FBgn0032859 <b>Arc-p34</b>	0 1 0 1	2
FBgn0004583 ex	FBgn0037046 <b>CG10581</b>	0 0 1 1	2

## (A) entire PPIN

FBgn0004583 ex	FBgn0032454 <b>CG5787</b>	0 1 0 1	2
FBgn0004583 ex	FBgn0039713 <b>RpS8</b>	0 1 0 1	2
FBgn0004583 ex	FBgn0022984 <b>qkr58E-3</b>	0 1 0 1	2
FBgn0004583 ex	FBgn0038224 <b>CG3321</b>	0 1 0 1	2
FBgn0004583 ex	FBgn0005648 <b>Pabp2</b>	0 1 0 1	2
FBgn0004583 ex	FBgn0033109 <b>coro</b>	0 1 0 1	2
FBgn0004583 ex	FBgn0261592 <b>RpS6</b>	0 1 0 1	2
FBgn0004583 ex	FBgn0014133 <b>bif</b>	0 0 1 1	2
FBgn0004583 ex	FBgn0010408 <b>RpS9</b>	0 1 0 1	2
FBgn0004583 ex	FBgn0001092 <b>Gapdh2</b>	0 0 1 1	2
FBgn0004583 ex	FBgn0053868 <b>His2B:CG3386</b>	0 0 1 1	2
FBgn0004583 ex	FBgn0031437 <b>p16-ARC</b>	0 0 1 1	2
FBgn0004583 ex	FBgn0032600 <b>CG17912</b>	0 1 0 1	2
FBgn0004583 ex	FBgn0032987 <b>RpL21</b>	0 1 1 0	2
FBgn0004583 ex	FBgn0037137 <b>Nopp140</b>	0 1 0 1	2
FBgn0004583 ex	FBgn0262601 <b>SmB</b>	0 1 0 1	2
FBgn0004583 ex	FBgn0032286 <b>CG7300</b>	0 0 1 1	2
FBgn0004583 ex	FBgn0032518 <b>RpL24</b>	0 1 0 1	2
FBgn0004583 ex	FBgn0033740 <b>dgt5</b>	0 0 1 1	2
FBgn0004583 ex	FBgn0030943 <b>CG6540</b>	0 1 1 0	2
FBgn0004583 ex	FBgn0014029 <b>Sep2</b>	0 2 0 0	2
FBgn0004583 ex	FBgn0051618 <b>His2A:CG3161</b>	0 0 1 1	2
FBgn0004583 ex	FBgn0002781 <b>mod(mdg4)</b>	0 1 1 0	2
FBgn0004583 ex	FBgn0001315 <b>kl-5</b>	0 1 1 0	2
FBgn0004583 ex	FBgn0003274 <b>RpLP2</b>	0 1 1 0	2
FBgn0004583 ex	FBgn0013726 <b>pnut</b>	0 1 1 0	2
FBgn0004583 ex	FBgn0000319 <b>Chc</b>	0 1 0 1	2
FBgn0004583 ex	FBgn0000317 <b>ck</b>	0 1 0 1	2
FBgn0004583 ex	FBgn0034432 <b>CG7461</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0035589 <b>CHMP2B</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0261933 <b>SmD1</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0035704 <b>CG10144</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0261792 <b>snRNP-U1-C</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0035512 <b>Cpr64Ac</b>	0 0 1 0	1
FBgn0004583 ex	FBgn0263510 <b>nclb</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0261790 <b>SmE</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0029133 <b>REG</b>	0 0 1 0	1
FBgn0004583 ex	FBgn0260986 <b>mei-38</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0037632 <b>Tcp-1eta</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0034085 <b>Ptp52F</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0086906 <b>sls</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0010434 <b>cora</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0263598 <b>Vha68-2</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0261274 <b>Ero1L</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0010265 <b>RpS13</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0020513 <b>ade5</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0052058 <b>lr67c</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0023512 <b>eIF2B-epsilon</b>	0 0 1 0	1
FBgn0004583 ex	FBgn0043534 <b>Obp57b</b>	0 0 1 0	1
FBgn0004583 ex	FBgn0052177 <b>Ndfip</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0003600 <b>Su(var)3-9</b>	0 0 1 0	1



## (A) entire PPIN

FBgn0004583 ex	FBgn0026753 <b>Vha13</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0038989 <b>CG6937</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0031011 <b>CG8034</b>	0 0 1 0	1
FBgn0004583 ex	FBgn0034083 <b>lbk</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0002431 <b>hyd</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0051453 <b>pch2</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0010342 <b>Map60</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0027082 <b>Aats-pro</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0030322 <b>CG15220</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0039562 <b>Gp93</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0002773 <b>Mlc2</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0011742 <b>Arp14D</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0030672 <b>CG9281</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0010551 <b>I(2)03709</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0036836 <b>CG11619</b>	0 0 1 0	1
FBgn0004583 ex	FBgn0036761 <b>MED19</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0051849 <b>CG31849</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0011272 <b>RpL13</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0025637 <b>skpA</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0029118 <b>Suchb</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0010412 <b>RpS19a</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0032433 <b>Oatp33Ea</b>	0 0 1 0	1
FBgn0004583 ex	FBgn0039229 <b>Saf-B</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0037059 <b>CG10510</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0263006 <b>Ca-P60A</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0015283 <b>Pros54</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0262125 <b>sec23</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0033342 <b>CG8258</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0031066 <b>CG14235</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0000212 <b>brm</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0025457 <b>Bub3</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0032943 <b>Tsp39D</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0037288 <b>CG14661</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0031764 <b>CG9107</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0035357 <b>MEP-1</b>	0 0 1 0	1
FBgn0004583 ex	FBgn0014009 <b>Rab2</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0011823 <b>Pen</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0032833 <b>CG10664</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0029766 <b>CG15784</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0260990 <b>yata</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0053519 <b>Unc-89</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0000629 <b>E(z)</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0010409 <b>RpL18A</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0036728 <b>CG7580</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0040007 <b>RpL38</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0005536 <b>Mbs</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0035033 <b>CG3548</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0260010 <b>rump</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0004828 <b>His3.3B</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0031834 <b>CG13766</b>	0 0 1 0	1
FBgn0004583 ex	FBgn0000579 <b>Eno</b>	0 0 0 1	1

## (A) entire PPIN

FBgn0004583 ex	FBgn0053523 <b>CG33523</b>	0 0 1 0	1
FBgn0004583 ex	FBgn0027616 <b>YT521-B</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0035424 <b>CG11505</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0051352 <b>Unc-115a</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0035811 <b>CG12262</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0052463 <b>CG32463</b>	0 0 1 0	1
FBgn0004583 ex	FBgn0033482 <b>CG1371</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0004378 <b>Klp61F</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0039581 <b>Moca-cyp</b>	0 0 1 0	1
FBgn0004583 ex	FBgn0016120 <b>ATPsyn-d</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0010909 <b>msn</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0024432 <b>Dlc90F</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0022338 <b>dnk</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0035165 <b>CG13887</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0031781 <b>Arc-p20</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0029687 <b>Vap-33-1</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0032240 <b>CG17768</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0085447 <b>sif</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0011710 <b>Sep1</b>	0 0 1 0	1
FBgn0004583 ex	FBgn0262719 <b>CG43163</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0027338 <b>Kap-alpha3</b>	0 0 1 0	1
FBgn0004583 ex	FBgn0029899 <b>CG14438</b>	0 0 1 0	1
FBgn0004583 ex	FBgn0040528 <b>CG15864</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0029897 <b>RpL17</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0004362 <b>HmgD</b>	0 0 1 0	1
FBgn0004583 ex	FBgn0037924 <b>CG14712</b>	0 0 1 0	1
FBgn0004583 ex	FBgn0031132 <b>CG15450</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0032035 <b>CG13393</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0040250 <b>Ugt86Dj</b>	0 0 1 0	1
FBgn0004583 ex	FBgn0035398 <b>Cht7</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0038295 <b>Gyc88E</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0002772 <b>Mlc1</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0005633 <b>fln</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0031169 <b>CG1494</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0261597 <b>RpS26</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0010352 <b>Nc73EF</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0261648 <b>salm</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0033912 <b>RpS23</b>	0 0 1 0	1
FBgn0004583 ex	FBgn0052301 <b>CG32301</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0037743 <b>CG8412</b>	0 0 1 0	1
FBgn0004583 ex	FBgn0003719 <b>tld</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0032961 <b>CG1416</b>	0 0 1 0	1
FBgn0004583 ex	FBgn0020235 <b>ATPsyn-gamn</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0034654 <b>CG10306</b>	0 1 0 0	1
FBgn0004583 ex	FBgn0053173 <b>CG33173</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0034398 <b>CG15098</b>	0 0 0 1	1
FBgn0004583 ex	FBgn0262127 <b>kibra</b>	0 0 1 0	1
FBgn0004583 ex	FBgn0038666 <b>CG5451</b>	0 0 1 0	1
FBgn0004583 ex	FBgn0034237 <b>eIF3-S9</b>	0 1 0 0	1
FBgn0000497 ds	FBgn0263006 <b>Ca-P60A</b>	1 13 11 12	36
FBgn0000497 ds	FBgn0028331 <b>I(1)G0289</b>	1 9 11 15	35

## (A) entire PPIN

FBgn0000497 ds	FBgn0023423 <b>slmb</b>	1 9 12 12	33
FBgn0000497 ds	FBgn0028479 <b>CG4389</b>	1 12 11 8	31
FBgn0000497 ds	FBgn0027598 <b>cindr</b>	1 8 12 7	27
FBgn0000497 ds	FBgn0025352 <b>Thiolase</b>	1 10 8 8	26
FBgn0000497 ds	FBgn0250814 <b>CG4169</b>	0.97 16 12 12	40
FBgn0000497 ds	FBgn0032393 <b>CG12264</b>	0.92 3 4 3	10
FBgn0000497 ds	FBgn0026409 <b>Mpcp</b>	0.88 4 4 4	12
FBgn0000497 ds	FBgn0025637 <b>skpA</b>	0.88 3 5 3	11
FBgn0000497 ds	FBgn0031093 <b>CG9581</b>	0.86 8 10 7	25
FBgn0000497 ds	FBgn0025885 <b>Inos</b>	0.84 6 6 5	17
FBgn0000497 ds	FBgn0052109 <b>CG32109</b>	0.82 3 3 3	9
FBgn0000497 ds	FBgn0037894 <b>Ranbp9</b>	0.8 6 7 2	15
FBgn0000497 ds	FBgn0037607 <b>CG8036</b>	0.77 4 4 2	10
FBgn0000497 ds	FBgn0040284 <b>SF2</b>	0.67 1 3 4	8
FBgn0000497 ds	FBgn0034138 <b>RpS15</b>	0.67 2 3 2	7
FBgn0000497 ds	FBgn0022288 <b>I(2)09851</b>	0.66 4 4 2	10
FBgn0000497 ds	FBgn0250848 <b>26-29-p</b>	0.64 3 3 1	7
FBgn0000497 ds	FBgn0014163 <b>fax</b>	0.61 2 5 1	8
FBgn0000497 ds	FBgn0040007 <b>RpL38</b>	0.6 2 3 1	6
FBgn0000497 ds	FBgn0039776 <b>PH4alphaEFB</b>	0.59 3 6 5	14
FBgn0000497 ds	FBgn0005533 <b>RpS17</b>	0.5 3 5 2	10
FBgn0000497 ds	FBgn0037182 <b>CG6838</b>	0.5 2 3 0	5
FBgn0000497 ds	FBgn0261385 <b>scra</b>	0.49 4 3 2	9
FBgn0000497 ds	FBgn0035471 <b>Sc2</b>	0.49 0 5 3	8
FBgn0000497 ds	FBgn0033844 <b>bbc</b>	0.48 2 3 2	7
FBgn0000497 ds	FBgn0261606 <b>RpL27A</b>	0.48 1 2 2	5
FBgn0000497 ds	FBgn0015288 <b>RpL22</b>	0.47 1 3 1	5
FBgn0000497 ds	FBgn0261397 <b>didum</b>	0.45 9 10 12	31
FBgn0000497 ds	FBgn0039713 <b>RpS8</b>	0.44 1 2 3	6
FBgn0000497 ds	FBgn0027571 <b>CG3523</b>	0.43 1 2 2	5
FBgn0000497 ds	FBgn0011225 <b>jar</b>	0.42 9 6 11	26
FBgn0000497 ds	FBgn0001220 <b>Hsc70-5</b>	0.4 26 27 22	75
FBgn0000497 ds	FBgn0037912 <b>sea</b>	0.4 2 1 1	4
FBgn0000497 ds	FBgn0035811 <b>CG12262</b>	0.39 2 6 2	10
FBgn0000497 ds	FBgn0000578 <b>ena</b>	0.38 1 3 0	4
FBgn0000497 ds	FBgn0001075 <b>ft</b>	0.34 1 1 6	8
FBgn0000497 ds	FBgn0038965 <b>mats</b>	0.34 1 0 4	5
FBgn0000497 ds	FBgn0015024 <b>Cklalpha</b>	0.34 1 2 1	4
FBgn0000497 ds	FBgn0030752 <b>CG9947</b>	0.34 1 2 1	4
FBgn0000497 ds	FBgn0013770 <b>Cp1</b>	0.32 2 1 1	4
FBgn0000497 ds	FBgn0015282 <b>Pros26.4</b>	0.32 1 2 0	3
FBgn0000497 ds	FBgn0261596 <b>RpS24</b>	0.3 2 2 2	6
FBgn0000497 ds	FBgn0039208 <b>Esyt2</b>	0.3 2 3 0	5
FBgn0000497 ds	FBgn0039580 <b>Gfat2</b>	0.29 3 3 4	10
FBgn0000497 ds	FBgn0051370 <b>CG31370</b>	0.29 1 0 2	3
FBgn0000497 ds	FBgn0010173 <b>RpA-70</b>	0.28 5 3 7	15
FBgn0000497 ds	FBgn0027568 <b>Cand1</b>	0.28 3 2 1	6
FBgn0000497 ds	FBgn0064225 <b>RpL5</b>	0.28 3 2 0	5
FBgn0000497 ds	FBgn0010246 <b>Myo61F</b>	0.26 7 3 9	19
FBgn0000497 ds	FBgn0260780 <b>wisp</b>	0.26 0 0 5	5
FBgn0000497 ds	FBgn0003600 <b>Su(var)3-9</b>	0.25 1 1 2	4

## (A) entire PPIN

FBgn0000497 ds	FBgn0022343 <b>CG3760</b>	0.24	1 2 1	4
FBgn0000497 ds	FBgn0031589 <b>CG3714</b>	0.24	1 2 1	4
FBgn0000497 ds	FBgn0028685 <b>Rpt4</b>	0.24	0 2 1	3
FBgn0000497 ds	FBgn0020235 <b>ATPsyn-gamn</b>	0.24	1 2 0	3
FBgn0000497 ds	FBgn0027607 <b>CG8230</b>	0.23	1 1 2	4
FBgn0000497 ds	FBgn0037728 <b>CG16817</b>	0.23	2 1 0	3
FBgn0000497 ds	FBgn0024509 <b>sec13</b>	0.23	0 2 0	2
FBgn0000497 ds	FBgn0037643 <b>skap</b>	0.2	3 1 1	5
FBgn0000497 ds	FBgn0261458 <b>capt</b>	0.2	1 2 0	3
FBgn0000497 ds	FBgn0263594 <b>lost</b>	0.19	1 1 2	4
FBgn0000497 ds	FBgn0032015 <b>CG7830</b>	0.19	0 2 0	2
FBgn0000497 ds	FBgn0029092 <b>ced-6</b>	0.19	0 2 0	2
FBgn0000497 ds	FBgn0033890 <b>Ctf4</b>	0.18	1 2 2	5
FBgn0000497 ds	FBgn0023213 <b>eIF4G</b>	0.18	1 2 1	4
FBgn0000497 ds	FBgn0034401 <b>CG15100</b>	0.18	2 0 0	2
FBgn0000497 ds	FBgn0261014 <b>TER94</b>	0.16	0 2 1	3
FBgn0000497 ds	FBgn0020369 <b>Pros45</b>	0.15	0 0 2	2
FBgn0000497 ds	FBgn0030672 <b>CG9281</b>	0.14	3 3 2	8
FBgn0000497 ds	FBgn0041775 <b>tral</b>	0.14	1 3 1	5
FBgn0000497 ds	FBgn0032961 <b>CG1416</b>	0.14	0 2 0	2
FBgn0000497 ds	FBgn0030659 <b>CG9215</b>	0.13	0 0 2	2
FBgn0000497 ds	FBgn0003345 <b>sd</b>	0.12	0 0 2	2
FBgn0000497 ds	FBgn0001197 <b>His2Av</b>	0.09	1 2 2	5
FBgn0000497 ds	FBgn0002921 <b>Atpalpha</b>	0.09	0 2 1	3
FBgn0000497 ds	FBgn0017545 <b>RpS3A</b>	0.08	2 4 2	8
FBgn0000497 ds	FBgn0028687 <b>Rpt1</b>	0.08	4 2 2	8
FBgn0000497 ds	FBgn0261551 <b>CG42669</b>	0.07	0 0 2	2
FBgn0000497 ds	FBgn0053868 <b>His2B:CG3386</b>	0.06	2 1 2	5
FBgn0000497 ds	FBgn0261243 <b>Psa</b>	0.06	2 0 0	2
FBgn0000497 ds	FBgn0032518 <b>RpL24</b>	0.05	1 2 1	4
FBgn0000497 ds	FBgn0039562 <b>Gp93</b>	0.05	0 2 1	3
FBgn0000497 ds	FBgn0030612 <b>CG5599</b>	0.05	1 0 2	3
FBgn0000497 ds	FBgn0010348 <b>Arf79F</b>	0.05	0 2 0	2
FBgn0000497 ds	FBgn0027835 <b>Dp1</b>	0.05	0 2 0	2
FBgn0000497 ds	FBgn0004907 <b>14-3-3zeta</b>	0.04	2 2 0	4
FBgn0000497 ds	FBgn0038934 <b>Gld2</b>	0.04	2 0 0	2
FBgn0000497 ds	FBgn0039300 <b>RpS27</b>	0.03	1 3 4	8
FBgn0000497 ds	FBgn0015268 <b>Nap1</b>	0.03	2 2 2	6
FBgn0000497 ds	FBgn0086356 <b>tum</b>	0.03	2 1 1	4
FBgn0000497 ds	FBgn0001215 <b>Hrb98DE</b>	0.02	2 4 3	9
FBgn0000497 ds	FBgn0004867 <b>RpS2</b>	0.01	5 5 5	15
FBgn0000497 ds	FBgn0003890 <b>betaTub97EF</b>	0.01	3 5 3	11
FBgn0000497 ds	FBgn0029118 <b>Suchb</b>	0.01	2 3 3	8
FBgn0000497 ds	FBgn0010408 <b>RpS9</b>	0.01	3 2 1	6
FBgn0000497 ds	FBgn0037719 <b>bocksbeutel</b>	0.01	0 3 3	6
FBgn0000497 ds	FBgn0032444 <b>CG5525</b>	0.01	3 1 2	6
FBgn0000497 ds	FBgn0035424 <b>CG11505</b>	0.01	1 2 1	4
FBgn0000497 ds	FBgn0013981 <b>His4r</b>	0.01	0 2 2	4
FBgn0000497 ds	FBgn0037632 <b>Tcp-1eta</b>	0.01	2 0 0	2
FBgn0000497 ds	FBgn0005634 <b>zip</b>	0	209 205 203	617
FBgn0000497 ds	FBgn0001219 <b>Hsc70-4</b>	0	50 49 48	147

## (A) entire PPIN

FBgn0000497 ds	FBgn0001218 <b>Hsc70-3</b>	0 39 42 37	118
FBgn0000497 ds	FBgn0003884 <b>alphaTub84B</b>	0 31 33 28	92
FBgn0000497 ds	FBgn0003887 <b>betaTub56D</b>	0 27 32 29	88
FBgn0000497 ds	FBgn0000042 <b>Act5C</b>	0 28 25 34	87
FBgn0000497 ds	FBgn0000556 <b>Ef1alpha48D</b>	0 29 27 27	83
FBgn0000497 ds	FBgn0000709 <b>fil1</b>	0 19 12 26	57
FBgn0000497 ds	FBgn0003178 <b>PyK</b>	0 18 16 19	53
FBgn0000497 ds	FBgn0003721 <b>Tm1</b>	0 17 16 20	53
FBgn0000497 ds	FBgn0030699 <b>CG8578</b>	0 14 14 19	47
FBgn0000497 ds	FBgn0261710 <b>nocte</b>	0 18 12 13	43
FBgn0000497 ds	FBgn0003360 <b>sesB</b>	0 11 16 13	40
FBgn0000497 ds	FBgn0002525 <b>Lam</b>	0 12 14 11	37
FBgn0000497 ds	FBgn0003514 <b>sqh</b>	0 14 11 11	36
FBgn0000497 ds	FBgn0262603 <b>sec8</b>	0 11 16 7	34
FBgn0000497 ds	FBgn0001233 <b>Hsp83</b>	0 10 11 10	31
FBgn0000497 ds	FBgn0002645 <b>Map205</b>	0 10 11 10	31
FBgn0000497 ds	FBgn0002622 <b>RpS3</b>	0 9 11 7	27
FBgn0000497 ds	FBgn0004687 <b>Mlc-c</b>	0 10 6 9	25
FBgn0000497 ds	FBgn0035499 <b>Chd64</b>	0 7 9 8	24
FBgn0000497 ds	FBgn0263231 <b>bel</b>	0 7 10 7	24
FBgn0000497 ds	FBgn0015778 <b>rin</b>	0 8 8 7	23
FBgn0000497 ds	FBgn0039757 <b>RpS7</b>	0 7 10 6	23
FBgn0000497 ds	FBgn0011284 <b>RpS4</b>	0 5 9 7	21
FBgn0000497 ds	FBgn0034577 <b>cpa</b>	0 5 6 9	20
FBgn0000497 ds	FBgn0003022 <b>Ote</b>	0 5 7 8	20
FBgn0000497 ds	FBgn0003676 <b>T-cp1</b>	0 7 5 7	19
FBgn0000497 ds	FBgn0004403 <b>RpS14a</b>	0 8 5 6	19
FBgn0000497 ds	FBgn0263391 <b>hts</b>	0 5 8 5	18
FBgn0000497 ds	FBgn0031977 <b>baf</b>	0 5 5 8	18
FBgn0000497 ds	FBgn0262734 <b>Rbp2</b>	0 6 7 4	17
FBgn0000497 ds	FBgn0034743 <b>RpS16</b>	0 7 5 5	17
FBgn0000497 ds	FBgn0011211 <b>blw</b>	0 6 6 5	17
FBgn0000497 ds	FBgn0250789 <b>alpha-Spec</b>	0 4 4 8	16
FBgn0000497 ds	FBgn0000044 <b>Act57B</b>	0 5 5 6	16
FBgn0000497 ds	FBgn0001216 <b>Hsc70-1</b>	0 4 5 5	14
FBgn0000497 ds	FBgn0261619 <b>pAbp</b>	0 3 7 4	14
FBgn0000497 ds	FBgn0082582 <b>tmod</b>	0 2 6 5	13
FBgn0000497 ds	FBgn0003888 <b>betaTub60D</b>	0 3 6 4	13
FBgn0000497 ds	FBgn0263396 <b>sqd</b>	0 4 3 5	12
FBgn0000497 ds	FBgn0010078 <b>RpL23</b>	0 4 3 5	12
FBgn0000497 ds	FBgn0011570 <b>cpb</b>	0 4 3 5	12
FBgn0000497 ds	FBgn0000559 <b>Ef2b</b>	0 3 3 5	11
FBgn0000497 ds	FBgn0032859 <b>Arc-p34</b>	0 3 3 5	11
FBgn0000497 ds	FBgn0262716 <b>Arp66B</b>	0 4 2 4	10
FBgn0000497 ds	FBgn0261593 <b>RpS10b</b>	0 3 3 3	9
FBgn0000497 ds	FBgn0029176 <b>Ef1gamma</b>	0 3 4 2	9
FBgn0000497 ds	FBgn0010217 <b>ATPsyn-beta</b>	0 1 6 2	9
FBgn0000497 ds	FBgn0020279 <b>lig</b>	0 2 4 3	9
FBgn0000497 ds	FBgn0010198 <b>RpS15Aa</b>	0 3 3 3	9
FBgn0000497 ds	FBgn0030993 <b>Mec2</b>	0 2 3 4	9
FBgn0000497 ds	FBgn0011692 <b>pav</b>	0 2 3 3	8

## (A) entire PPIN

FBgn0000497 ds	FBgn0053303 <b>CG33303</b>	0 4 2 2	8
FBgn0000497 ds	FBgn0001961 <b>Sop2</b>	0 3 2 3	8
FBgn0000497 ds	FBgn0038145 <b>Droj2</b>	0 2 4 2	8
FBgn0000497 ds	FBgn0000258 <b>Ckl1alpha</b>	0 3 2 3	8
FBgn0000497 ds	FBgn0001942 <b>eIF-4a</b>	0 3 3 2	8
FBgn0000497 ds	FBgn0027066 <b>Eb1</b>	0 2 2 3	7
FBgn0000497 ds	FBgn0029093 <b>cathD</b>	0 0 4 3	7
FBgn0000497 ds	FBgn0011710 <b>Sep1</b>	0 2 3 2	7
FBgn0000497 ds	FBgn0003261 <b>Rm62</b>	0 1 5 1	7
FBgn0000497 ds	FBgn0019936 <b>RpS20</b>	0 3 1 3	7
FBgn0000497 ds	FBgn0001217 <b>Hsc70-2</b>	0 2 2 2	6
FBgn0000497 ds	FBgn0031256 <b>CG4164</b>	0 1 3 2	6
FBgn0000497 ds	FBgn0036213 <b>RpL10Ab</b>	0 2 1 3	6
FBgn0000497 ds	FBgn0027329 <b>Tcp-1zeta</b>	0 2 2 2	6
FBgn0000497 ds	FBgn0029979 <b>CG10777</b>	0 2 3 1	6
FBgn0000497 ds	FBgn0013325 <b>RpL11</b>	0 3 1 2	6
FBgn0000497 ds	FBgn0028327 <b>I(1)G0320</b>	0 3 1 2	6
FBgn0000497 ds	FBgn0014189 <b>Hel25E</b>	0 0 1 4	5
FBgn0000497 ds	FBgn0035608 <b>blanks</b>	0 1 1 3	5
FBgn0000497 ds	FBgn0028737 <b>Ef1beta</b>	0 2 1 2	5
FBgn0000497 ds	FBgn0051363 <b>Jupiter</b>	0 1 3 1	5
FBgn0000497 ds	FBgn0011742 <b>Arp14D</b>	0 1 2 2	5
FBgn0000497 ds	FBgn0028734 <b>Fmr1</b>	0 0 2 3	5
FBgn0000497 ds	FBgn0086904 <b>Nacalpa</b>	0 2 2 1	5
FBgn0000497 ds	FBgn0027932 <b>Akap200</b>	0 1 2 2	5
FBgn0000497 ds	FBgn0040227 <b>eIF-3p66</b>	0 0 2 3	5
FBgn0000497 ds	FBgn0013726 <b>pnut</b>	0 3 1 1	5
FBgn0000497 ds	FBgn0003941 <b>RpL40</b>	0 3 1 1	5
FBgn0000497 ds	FBgn0046214 <b>vig2</b>	0 1 2 1	4
FBgn0000497 ds	FBgn0002780 <b>mod</b>	0 0 3 1	4
FBgn0000497 ds	FBgn0000173 <b>ben</b>	0 1 2 1	4
FBgn0000497 ds	FBgn0014029 <b>Sep2</b>	0 1 1 2	4
FBgn0000497 ds	FBgn0004237 <b>Hrb87F</b>	0 1 1 2	4
FBgn0000497 ds	FBgn0015756 <b>RpL9</b>	0 2 1 1	4
FBgn0000497 ds	FBgn0000253 <b>Cam</b>	0 1 1 2	4
FBgn0000497 ds	FBgn0028969 <b>deltaCOP</b>	0 1 2 1	4
FBgn0000497 ds	FBgn0263351 <b>AP-50</b>	0 1 1 1	3
FBgn0000497 ds	FBgn0025286 <b>RpL31</b>	0 1 0 2	3
FBgn0000497 ds	FBgn0015664 <b>Dref</b>	0 1 1 1	3
FBgn0000497 ds	FBgn0037551 <b>Gie</b>	0 1 1 1	3
FBgn0000497 ds	FBgn0016700 <b>Rab1</b>	0 1 1 1	3
FBgn0000497 ds	FBgn0027494 <b>RpS10a</b>	0 1 1 1	3
FBgn0000497 ds	FBgn0000181 <b>bic</b>	0 1 1 1	3
FBgn0000497 ds	FBgn0031310 <b>CG4764</b>	0 1 1 1	3
FBgn0000497 ds	FBgn0015834 <b>Trip1</b>	0 1 2 0	3
FBgn0000497 ds	FBgn0032746 <b>CG10470</b>	0 1 1 1	3
FBgn0000497 ds	FBgn0260944 <b>Rbp1</b>	0 1 1 1	3
FBgn0000497 ds	FBgn0042134 <b>Capr</b>	0 0 3 0	3
FBgn0000497 ds	FBgn0026562 <b>BM-40-SPARC</b>	0 1 1 1	3
FBgn0000497 ds	FBgn0026761 <b>Trap1</b>	0 1 1 1	3
FBgn0000497 ds	FBgn0005648 <b>Pabp2</b>	0 1 1 1	3

## (A) entire PPIN

FBgn0000497 ds	FBgn0034968 <b>RpL12</b>	0 1 1 1	3
FBgn0000497 ds	FBgn0033264 <b>Nup50</b>	0 1 1 1	3
FBgn0000497 ds	FBgn0015019 <b>Cctgamma</b>	0 1 1 1	3
FBgn0000497 ds	FBgn0032643 <b>CG6453</b>	0 1 1 1	3
FBgn0000497 ds	FBgn0010909 <b>msn</b>	0 1 1 1	3
FBgn0000497 ds	FBgn0031781 <b>Arc-p20</b>	0 0 1 2	3
FBgn0000497 ds	FBgn0004888 <b>Scsalpha</b>	0 1 1 1	3
FBgn0000497 ds	FBgn0037376 <b>CG2051</b>	0 1 1 1	3
FBgn0000497 ds	FBgn0261597 <b>RpS26</b>	0 1 1 1	3
FBgn0000497 ds	FBgn0023167 <b>SmD3</b>	0 1 1 1	3
FBgn0000497 ds	FBgn0033912 <b>RpS23</b>	0 1 1 1	3
FBgn0000497 ds	FBgn0034398 <b>CG15098</b>	0 1 1 1	3
FBgn0000497 ds	FBgn0025683 <b>CG3164</b>	0 0 1 1	2
FBgn0000497 ds	FBgn0003732 <b>Top2</b>	0 0 0 2	2
FBgn0000497 ds	FBgn0005674 <b>Aats-glupro</b>	0 0 1 1	2
FBgn0000497 ds	FBgn0005586 <b>Rab3</b>	0 1 0 1	2
FBgn0000497 ds	FBgn0028342 <b>I(1)G0230</b>	0 1 1 0	2
FBgn0000497 ds	FBgn0033453 <b>CG1667</b>	0 0 1 1	2
FBgn0000497 ds	FBgn0063485 <b>Lasp</b>	0 0 1 1	2
FBgn0000497 ds	FBgn0030322 <b>CG15220</b>	0 0 1 1	2
FBgn0000497 ds	FBgn0031990 <b>CG8552</b>	0 1 1 0	2
FBgn0000497 ds	FBgn0086357 <b>Sec61alpha</b>	0 1 1 0	2
FBgn0000497 ds	FBgn0024987 <b>ssx</b>	0 0 1 1	2
FBgn0000497 ds	FBgn0037891 <b>CG5214</b>	0 0 2 0	2
FBgn0000497 ds	FBgn0032731 <b>CG10641</b>	0 0 0 2	2
FBgn0000497 ds	FBgn0051550 <b>CG31550</b>	0 1 1 0	2
FBgn0000497 ds	FBgn0020910 <b>RpL3</b>	0 1 1 0	2
FBgn0000497 ds	FBgn0001230 <b>Hsp68</b>	0 1 0 1	2
FBgn0000497 ds	FBgn0033109 <b>coro</b>	0 1 0 1	2
FBgn0000497 ds	FBgn0028968 <b>gammaCop</b>	0 1 1 0	2
FBgn0000497 ds	FBgn0025806 <b>Rap2I</b>	0 1 1 0	2
FBgn0000497 ds	FBgn0003189 <b>r</b>	0 0 1 1	2
FBgn0000497 ds	FBgn0037552 <b>CG7800</b>	0 1 0 1	2
FBgn0000497 ds	FBgn0010516 <b>wal</b>	0 1 0 1	2
FBgn0000497 ds	FBgn0016693 <b>Past1</b>	0 0 1 1	2
FBgn0000497 ds	FBgn0043456 <b>CG4747</b>	0 0 1 1	2
FBgn0000497 ds	FBgn0001092 <b>Gapdh2</b>	0 0 1 1	2
FBgn0000497 ds	FBgn0004167 <b>kst</b>	0 0 0 2	2
FBgn0000497 ds	FBgn0021795 <b>Tapdelta</b>	0 1 1 0	2
FBgn0000497 ds	FBgn0086656 <b>shrb</b>	0 1 0 1	2
FBgn0000497 ds	FBgn0032987 <b>RpL21</b>	0 0 1 1	2
FBgn0000497 ds	FBgn0004378 <b>Klp61F</b>	0 0 1 1	2
FBgn0000497 ds	FBgn0035763 <b>CG8602</b>	0 1 1 0	2
FBgn0000497 ds	FBgn0024556 <b>EfTuM</b>	0 0 1 1	2
FBgn0000497 ds	FBgn0029687 <b>Vap-33-1</b>	0 1 0 1	2
FBgn0000497 ds	FBgn0051618 <b>His2A:CG3161</b>	0 0 1 1	2
FBgn0000497 ds	FBgn0086710 <b>RpL30</b>	0 1 1 0	2
FBgn0000497 ds	FBgn0029897 <b>RpL17</b>	0 0 1 1	2
FBgn0000497 ds	FBgn0001315 <b>kl-5</b>	0 0 1 1	2
FBgn0000497 ds	FBgn0004363 <b>porin</b>	0 1 1 0	2
FBgn0000497 ds	FBgn0087035 <b>AGO2</b>	0 1 0 1	2

## (A) entire PPIN

FBgn0000497 ds	FBgn0015797 <b>Rab6</b>	0 1 0 1	2
FBgn0000497 ds	FBgn0020633 <b>Mcm7</b>	0 1 1 0	2
FBgn0000497 ds	FBgn0000319 <b>Chc</b>	0 1 1 0	2
FBgn0000497 ds	FBgn0014010 <b>Rab5</b>	0 0 1 1	2
FBgn0000497 ds	FBgn0036623 <b>CG4729</b>	0 0 1 1	2
FBgn0000497 ds	FBgn0261020 <b>wol</b>	0 1 0 1	2
FBgn0000497 ds	FBgn0024238 <b>Fim</b>	0 1 1 0	2
FBgn0000497 ds	FBgn0039302 <b>Nup358</b>	0 1 1 0	2
FBgn0000497 ds	FBgn0020255 <b>ran</b>	0 1 1 0	2
FBgn0000497 ds	FBgn0003392 <b>shi</b>	0 0 1 1	2
FBgn0000497 ds	FBgn0032906 <b>RPA2</b>	0 0 0 1	1
FBgn0000497 ds	FBgn0040237 <b>bor</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0013750 <b>Arf51F</b>	0 0 0 1	1
FBgn0000497 ds	FBgn0033051 <b>dream</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0050185 <b>CG30185</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0038476 <b>kuk</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0261792 <b>snRNP-U1-C</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0033272 <b>RagC</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0031362 <b>CG17646</b>	0 0 0 1	1
FBgn0000497 ds	FBgn0032465 <b>CG12404</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0036861 <b>CG14089</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0037228 <b>CG1092</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0002031 <b>I(2)37Cc</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0036825 <b>RpL26</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0263598 <b>Vha68-2</b>	0 1 0 0	1
FBgn0000497 ds	FBgn0053547 <b>Rim</b>	0 0 0 1	1
FBgn0000497 ds	FBgn0037098 <b>Wnk</b>	0 0 0 1	1
FBgn0000497 ds	FBgn0035987 <b>CG3689</b>	0 0 0 1	1
FBgn0000497 ds	FBgn0003731 <b>Egfr</b>	0 0 0 1	1
FBgn0000497 ds	FBgn0036003 <b>CG14180</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0262735 <b>Imp</b>	0 0 0 1	1
FBgn0000497 ds	FBgn0032986 <b>CG3262</b>	0 0 0 1	1
FBgn0000497 ds	FBgn0034345 <b>CG5174</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0002466 <b>sti</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0032749 <b>Phlpp</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0000064 <b>Ald</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0051453 <b>pch2</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0031643 <b>CG3008</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0034433 <b>endoB</b>	0 0 0 1	1
FBgn0000497 ds	FBgn0024179 <b>wit</b>	0 0 0 1	1
FBgn0000497 ds	FBgn0085427 <b>CG34398</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0053156 <b>CG33156</b>	0 1 0 0	1
FBgn0000497 ds	FBgn0031107 <b>HERC2</b>	0 1 0 0	1
FBgn0000497 ds	FBgn0034270 <b>CG6401</b>	0 1 0 0	1
FBgn0000497 ds	FBgn0010551 <b>I(2)03709</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0004227 <b>nonA</b>	0 0 0 1	1
FBgn0000497 ds	FBgn0011571 <b>caz</b>	0 0 0 1	1
FBgn0000497 ds	FBgn0035401 <b>CG1291</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0028684 <b>Tbp-1</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0015790 <b>Rab11</b>	0 0 0 1	1
FBgn0000497 ds	FBgn0033339 <b>sec31</b>	0 0 1 0	1



## (A) entire PPIN

FBgn0000497 ds	FBgn0031759 lid	0 0 0 1	1
FBgn0000497 ds	FBgn0002593 RpLP1	0 0 1 0	1
FBgn0000497 ds	FBgn0026585 Ent2	0 0 1 0	1
FBgn0000497 ds	FBgn0027583 CG7601	0 0 1 0	1
FBgn0000497 ds	FBgn0010621 Cct5	0 0 1 0	1
FBgn0000497 ds	FBgn0051386 CR31386	0 0 0 1	1
FBgn0000497 ds	FBgn0036892 CG8798	0 1 0 0	1
FBgn0000497 ds	FBgn0029785 RpL35	0 1 0 0	1
FBgn0000497 ds	FBgn0033699 RpS11	0 0 0 1	1
FBgn0000497 ds	FBgn0010379 Akt1	0 0 1 0	1
FBgn0000497 ds	FBgn0261524 lic	0 0 1 0	1
FBgn0000497 ds	FBgn0040233 cana	0 0 0 1	1
FBgn0000497 ds	FBgn0029975 CG1444	0 0 1 0	1
FBgn0000497 ds	FBgn0035380 CG9970	0 0 1 0	1
FBgn0000497 ds	FBgn0002542 lds	0 0 1 0	1
FBgn0000497 ds	FBgn0024833 AP-47	0 1 0 0	1
FBgn0000497 ds	FBgn0010438 mtSSB	0 0 1 0	1
FBgn0000497 ds	FBgn0030947 CG6696	0 1 0 0	1
FBgn0000497 ds	FBgn0014391 sun	0 0 0 1	1
FBgn0000497 ds	FBgn0023521 CG3587	0 0 1 0	1
FBgn0000497 ds	FBgn0259139 glo	0 1 0 0	1
FBgn0000497 ds	FBgn0011227 ox	0 0 1 0	1
FBgn0000497 ds	FBgn0030136 RpS28b	0 0 1 0	1
FBgn0000497 ds	FBgn0028695 Rpn1	0 0 1 0	1
FBgn0000497 ds	FBgn0032601 yellow-b	0 0 1 0	1
FBgn0000497 ds	FBgn0039726 eIF2B-alpha	0 1 0 0	1
FBgn0000497 ds	FBgn0030613 rab3-GEF	0 0 0 1	1
FBgn0000497 ds	FBgn0261592 RpS6	0 0 1 0	1
FBgn0000497 ds	FBgn0014133 bif	0 0 0 1	1
FBgn0000497 ds	FBgn0083959 trpm	0 0 1 0	1
FBgn0000497 ds	FBgn0030969 CG7288	0 0 1 0	1
FBgn0000497 ds	FBgn0002638 Bj1	0 0 1 0	1
FBgn0000497 ds	FBgn0260990 yata	0 0 1 0	1
FBgn0000497 ds	FBgn0053113 Rtnl1	0 0 1 0	1
FBgn0000497 ds	FBgn0014143 croc	0 0 1 0	1
FBgn0000497 ds	FBgn0003346 RanGap	0 0 1 0	1
FBgn0000497 ds	FBgn0032456 MRP	0 1 0 0	1
FBgn0000497 ds	FBgn0039858 CycG	0 0 0 1	1
FBgn0000497 ds	FBgn0011336 OstStt3	0 0 0 1	1
FBgn0000497 ds	FBgn0086134 Pros25	0 0 1 0	1
FBgn0000497 ds	FBgn0030809 CG9086	0 0 1 0	1
FBgn0000497 ds	FBgn0029882 CG3226	0 1 0 0	1
FBgn0000497 ds	FBgn0000579 Eno	0 1 0 0	1
FBgn0000497 ds	FBgn0261068 LSm7	0 1 0 0	1
FBgn0000497 ds	FBgn0036398 CG9007	0 1 0 0	1
FBgn0000497 ds	FBgn0031437 p16-ARC	0 0 0 1	1
FBgn0000497 ds	FBgn0053523 CG33523	0 0 1 0	1
FBgn0000497 ds	FBgn0035229 CG7852	0 1 0 0	1
FBgn0000497 ds	FBgn0043043 desat2	0 0 1 0	1
FBgn0000497 ds	FBgn0037137 Nopp140	0 0 0 1	1
FBgn0000497 ds	FBgn0037236 CG9772	0 0 0 1	1

(A) entire PPIN

FBgn0000497 ds	FBgn0036141 wls	0 0 1 0	1
FBgn0000497 ds	FBgn0020618 Rack1	0 0 1 0	1
FBgn0000497 ds	FBgn0262601 SmB	0 0 0 1	1
FBgn0000497 ds	FBgn0025725 alphaCop	0 0 1 0	1
FBgn0000497 ds	FBgn0010488 NAT1	0 0 1 0	1
FBgn0000497 ds	FBgn0263048 CG43343	0 0 0 1	1
FBgn0000497 ds	FBgn0024985 CG11448	0 0 1 0	1
FBgn0000497 ds	FBgn0035617 I(3)psg2	0 0 0 1	1
FBgn0000497 ds	FBgn0036685 CG6664	0 1 0 0	1
FBgn0000497 ds	FBgn0033740 dgt5	0 0 1 0	1
FBgn0000497 ds	FBgn0030943 CG6540	0 1 0 0	1
FBgn0000497 ds	FBgn0025700 CG5885	0 0 1 0	1
FBgn0000497 ds	FBgn0052230 CG32230	0 0 0 1	1
FBgn0000497 ds	FBgn0038135 CG8773	0 0 0 1	1
FBgn0000497 ds	FBgn0259168 mnb	0 0 1 0	1
FBgn0000497 ds	FBgn0025739 pon	0 0 1 0	1
FBgn0000497 ds	FBgn0035688 CG10289	0 0 1 0	1
FBgn0000497 ds	FBgn0014861 McM2	0 0 1 0	1
FBgn0000497 ds	FBgn0001186 Hex-A	0 0 1 0	1
FBgn0000497 ds	FBgn0263106 DnaJ-1	0 0 0 1	1
FBgn0000497 ds	FBgn0029959 Rab39	0 0 1 0	1
FBgn0000497 ds	FBgn0013733 shot	0 1 0 0	1
FBgn0000497 ds	FBgn0032340 Ge-1	0 0 1 0	1
FBgn0000497 ds	FBgn0027338 Kap-alpha3	0 0 1 0	1
FBgn0000497 ds	FBgn0011703 RnrL	0 1 0 0	1
FBgn0000497 ds	FBgn0039854 CG1635	0 0 0 1	1
FBgn0000497 ds	FBgn0082831 pps	0 1 0 0	1
FBgn0000497 ds	FBgn0028407 Drep-3	0 0 0 1	1
FBgn0000497 ds	FBgn0037746 CG8478	0 1 0 0	1
FBgn0000497 ds	FBgn0042199 CG13713	0 0 1 0	1
FBgn0000497 ds	FBgn0028375 heix	0 0 1 0	1
FBgn0000497 ds	FBgn0003274 RpLP2	0 0 0 1	1
FBgn0000497 ds	FBgn0050001 CG30001	0 0 1 0	1
FBgn0000497 ds	FBgn0031057 Ubqn	0 0 1 0	1
FBgn0000497 ds	FBgn0016081 fry	0 0 0 1	1
FBgn0000497 ds	FBgn0053926 CG33926	0 0 1 0	1
FBgn0000497 ds	FBgn0001189 hfw	0 0 1 0	1
FBgn0000497 ds	FBgn0035753 RpL18	0 0 0 1	1
FBgn0000497 ds	FBgn0040286 SC35	0 0 0 1	1
FBgn0000497 ds	FBgn0034265 Snx16	0 0 1 0	1
FBgn0000497 ds	FBgn0010352 Nc73EF	0 0 0 1	1
FBgn0000497 ds	FBgn0034089 CG8446	0 0 0 1	1
FBgn0000497 ds	FBgn0045980 niki	0 0 0 1	1
FBgn0000497 ds	FBgn0261928 CG42795	0 0 0 1	1
FBgn0000497 ds	FBgn0025865 Cortactin	0 0 1 0	1
FBgn0000497 ds	FBgn0031052 CG14215	0 0 0 1	1
FBgn0000497 ds	FBgn0031590 CG3702	0 1 0 0	1
FBgn0000497 ds	FBgn0010411 RpS18	0 0 1 0	1
FBgn0000497 ds	FBgn0011771 Hem	0 0 0 1	1
FBgn0000497 ds	FBgn0005593 RpL7	0 0 1 0	1
FBgn0000497 ds	FBgn0003279 RpL4	0 1 0 0	1

## (A) entire PPIN

FBgn0000497 ds	FBgn0037025 <b>Spc105R</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0036117 <b>CG6321</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0026252 <b>msk</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0033663 <b>ERp60</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0028274 <b>ns3</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0040255 <b>Ugt86De</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0051760 <b>CG31760</b>	0 1 0 0	1
FBgn0000497 ds	FBgn0039559 <b>Mes-4</b>	0 0 0 1	1
FBgn0000497 ds	FBgn0038293 <b>CG6904</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0261608 <b>RpL37A</b>	0 0 0 1	1
FBgn0000497 ds	FBgn0261461 <b>RhoGAP18B</b>	0 0 0 1	1
FBgn0000497 ds	FBgn0028373 <b>inx3</b>	0 0 1 0	1
FBgn0000497 ds	FBgn0026702 <b>I(1)G0045</b>	0 1 0 0	1
FBgn0000497 ds	FBgn0004838 <b>Hrb27C</b>	0 0 0 1	1
FBgn0000497 ds	FBgn0034087 <b>clu</b>	0 0 1 0	1
FBgn0262029 d	FBgn0250789 <b>alpha-Spec</b>	1 55 47 53	155
FBgn0262029 d	FBgn0000253 <b>Cam</b>	1 16 11 14	41
FBgn0262029 d	FBgn0034264 <b>CG10933</b>	1 7 5 10	22
FBgn0262029 d	FBgn0029903 <b>pod1</b>	1 7 5 10	22
FBgn0262029 d	FBgn0086656 <b>shrb</b>	0.99 8 6 10	24
FBgn0262029 d	FBgn0046214 <b>vig2</b>	0.98 9 8 10	27
FBgn0262029 d	FBgn0003261 <b>Rm62</b>	0.97 18 15 19	52
FBgn0262029 d	FBgn0025865 <b>Cortactin</b>	0.97 4 4 4	12
FBgn0262029 d	FBgn0002638 <b>Bj1</b>	0.96 19 8 23	50
FBgn0262029 d	FBgn0004167 <b>kst</b>	0.96 14 12 19	45
FBgn0262029 d	FBgn0032731 <b>CG10641</b>	0.96 12 10 10	32
FBgn0262029 d	FBgn0002466 <b>sti</b>	0.96 6 5 11	22
FBgn0262029 d	FBgn0086356 <b>tum</b>	0.95 8 5 9	22
FBgn0262029 d	FBgn0003231 <b>ref(2)P</b>	0.94 4 3 4	11
FBgn0262029 d	FBgn0028734 <b>Fmr1</b>	0.93 13 10 11	34
FBgn0262029 d	FBgn0010173 <b>RpA-70</b>	0.91 8 12 8	28
FBgn0262029 d	FBgn0030612 <b>CG5599</b>	0.91 6 5 4	15
FBgn0262029 d	FBgn0029687 <b>Vap-33-1</b>	0.91 4 3 3	10
FBgn0262029 d	FBgn0033663 <b>ERp60</b>	0.9 3 4 3	10
FBgn0262029 d	FBgn0005648 <b>Pabp2</b>	0.88 3 3 3	9
FBgn0262029 d	FBgn0010774 <b>Aly</b>	0.88 3 3 3	9
FBgn0262029 d	FBgn0024987 <b>ssx</b>	0.85 9 6 7	22
FBgn0262029 d	FBgn0027616 <b>YT521-B</b>	0.81 3 2 4	9
FBgn0262029 d	FBgn0037756 <b>CG8507</b>	0.81 3 2 4	9
FBgn0262029 d	FBgn0020279 <b>lig</b>	0.79 9 8 12	29
FBgn0262029 d	FBgn0087035 <b>AGO2</b>	0.77 15 6 15	36
FBgn0262029 d	FBgn0032906 <b>RPA2</b>	0.77 3 2 3	8
FBgn0262029 d	FBgn0010246 <b>Myo61F</b>	0.76 8 14 11	33
FBgn0262029 d	FBgn0002780 <b>mod</b>	0.75 12 11 11	34
FBgn0262029 d	FBgn0033062 <b>Ars2</b>	0.75 12 2 9	23
FBgn0262029 d	FBgn0029979 <b>CG10777</b>	0.72 17 10 13	40
FBgn0262029 d	FBgn0035500 <b>ens</b>	0.71 2 2 5	9
FBgn0262029 d	FBgn0041188 <b>Atx2</b>	0.7 5 3 5	13
FBgn0262029 d	FBgn0039129 <b>RpS19b</b>	0.69 3 2 2	7
FBgn0262029 d	FBgn0024183 <b>vig</b>	0.67 4 3 3	10
FBgn0262029 d	FBgn0011692 <b>pav</b>	0.66 11 8 13	32

## (A) entire PPIN

FBgn0262029	<b>d</b>	FBgn0041775	<b>tral</b>	<b>0.66</b>	6 2 5	13
FBgn0262029	<b>d</b>	FBgn0263197	<b>Patronin</b>	<b>0.65</b>	3 1 5	9
FBgn0262029	<b>d</b>	FBgn0261385	<b>scra</b>	<b>0.63</b>	2 4 5	11
FBgn0262029	<b>d</b>	FBgn0005411	<b>U2af50</b>	<b>0.62</b>	3 0 5	8
FBgn0262029	<b>d</b>	FBgn0033205	<b>CG2064</b>	<b>0.62</b>	1 2 4	7
FBgn0262029	<b>d</b>	FBgn0053129	<b>CG33129</b>	<b>0.59</b>	4 1 2	7
FBgn0262029	<b>d</b>	FBgn0011640	<b>lark</b>	<b>0.58</b>	5 1 4	10
FBgn0262029	<b>d</b>	FBgn0263391	<b>hts</b>	<b>0.57</b>	13 9 21	43
FBgn0262029	<b>d</b>	FBgn0030956	<b>CG18259</b>	<b>0.57</b>	2 1 3	6
FBgn0262029	<b>d</b>	FBgn0043884	<b>mask</b>	<b>0.56</b>	2 4 2	8
FBgn0262029	<b>d</b>	FBgn0033912	<b>RpS23</b>	<b>0.56</b>	2 1 2	5
FBgn0262029	<b>d</b>	FBgn0039713	<b>RpS8</b>	<b>0.54</b>	2 3 2	7
FBgn0262029	<b>d</b>	FBgn0052685	<b>CG32685</b>	<b>0.54</b>	1 2 3	6
FBgn0262029	<b>d</b>	FBgn0036740	<b>CG6259</b>	<b>0.54</b>	2 1 2	5
FBgn0262029	<b>d</b>	FBgn0040007	<b>RpL38</b>	<b>0.54</b>	2 1 2	5
FBgn0262029	<b>d</b>	FBgn0022959	<b>yps</b>	<b>0.53</b>	4 1 5	10
FBgn0262029	<b>d</b>	FBgn0262601	<b>SmB</b>	<b>0.52</b>	1 2 2	5
FBgn0262029	<b>d</b>	FBgn0040284	<b>SF2</b>	<b>0.51</b>	2 1 3	6
FBgn0262029	<b>d</b>	FBgn0027084	<b>Aats-lys</b>	<b>0.5</b>	3 0 3	6
FBgn0262029	<b>d</b>	FBgn0011571	<b>caz</b>	<b>0.5</b>	2 2 1	5
FBgn0262029	<b>d</b>	FBgn0038369	<b>Arpc3A</b>	<b>0.49</b>	1 2 4	7
FBgn0262029	<b>d</b>	FBgn0016691	<b>Oscp</b>	<b>0.49</b>	2 1 2	5
FBgn0262029	<b>d</b>	FBgn0028479	<b>CG4389</b>	<b>0.48</b>	4 3 1	8
FBgn0262029	<b>d</b>	FBgn0030322	<b>CG15220</b>	<b>0.48</b>	1 1 4	6
FBgn0262029	<b>d</b>	FBgn0010488	<b>NAT1</b>	<b>0.44</b>	3 1 1	5
FBgn0262029	<b>d</b>	FBgn0000181	<b>bic</b>	<b>0.42</b>	13 8 9	30
FBgn0262029	<b>d</b>	FBgn0263106	<b>DnaJ-1</b>	<b>0.42</b>	3 2 6	11
FBgn0262029	<b>d</b>	FBgn0036763	<b>CG7441</b>	<b>0.42</b>	2 2 1	5
FBgn0262029	<b>d</b>	FBgn0261592	<b>RpS6</b>	<b>0.42</b>	1 1 2	4
FBgn0262029	<b>d</b>	FBgn0014163	<b>fax</b>	<b>0.41</b>	2 0 2	4
FBgn0262029	<b>d</b>	FBgn0259139	<b>glo</b>	<b>0.41</b>	2 0 2	4
FBgn0262029	<b>d</b>	FBgn0260944	<b>Rbp1</b>	<b>0.4</b>	2 1 1	4
FBgn0262029	<b>d</b>	FBgn0259978	<b>vlc</b>	<b>0.4</b>	2 1 1	4
FBgn0262029	<b>d</b>	FBgn0004401	<b>Pep</b>	<b>0.38</b>	3 0 4	7
FBgn0262029	<b>d</b>	FBgn0263396	<b>sqd</b>	<b>0.37</b>	7 6 11	24
FBgn0262029	<b>d</b>	FBgn0262716	<b>Arp66B</b>	<b>0.36</b>	5 11 6	22
FBgn0262029	<b>d</b>	FBgn0010412	<b>RpS19a</b>	<b>0.36</b>	3 0 1	4
FBgn0262029	<b>d</b>	FBgn0042134	<b>Capr</b>	<b>0.33</b>	9 8 11	28
FBgn0262029	<b>d</b>	FBgn0037137	<b>Nopp140</b>	<b>0.33</b>	3 2 3	8
FBgn0262029	<b>d</b>	FBgn0023167	<b>SmD3</b>	<b>0.33</b>	1 1 2	4
FBgn0262029	<b>d</b>	FBgn0086904	<b>Nacalpa</b>	<b>0.32</b>	8 3 7	18
FBgn0262029	<b>d</b>	FBgn0261014	<b>TER94</b>	<b>0.32</b>	1 1 3	5
FBgn0262029	<b>d</b>	FBgn0051618	<b>His2A:CG3161</b>	<b>0.32</b>	1 1 2	4
FBgn0262029	<b>d</b>	FBgn0003517	<b>sta</b>	<b>0.32</b>	2 1 1	4
FBgn0262029	<b>d</b>	FBgn0026372	<b>RpL23A</b>	<b>0.32</b>	2 1 0	3
FBgn0262029	<b>d</b>	FBgn0001197	<b>His2Av</b>	<b>0.29</b>	3 2 2	7
FBgn0262029	<b>d</b>	FBgn0004362	<b>HmgD</b>	<b>0.29</b>	2 0 1	3
FBgn0262029	<b>d</b>	FBgn0263594	<b>lost</b>	<b>0.28</b>	3 1 1	5
FBgn0262029	<b>d</b>	FBgn0263355	<b>CG31688</b>	<b>0.27</b>	1 2 3	6
FBgn0262029	<b>d</b>	FBgn0010434	<b>cora</b>	<b>0.27</b>	3 0 2	5
FBgn0262029	<b>d</b>	FBgn0037669	<b>CG9740</b>	<b>0.27</b>	0 1 2	3

## (A) entire PPIN

FBgn0262029	d	FBgn0019644	<b>ATPsyn-b</b>	<b>0.26</b>	3 0 0	3
FBgn0262029	d	FBgn0020255	<b>ran</b>	<b>0.25</b>	3 0 2	5
FBgn0262029	d	FBgn0029766	<b>CG15784</b>	<b>0.25</b>	0 1 2	3
FBgn0262029	d	FBgn0015268	<b>Nap1</b>	<b>0.24</b>	3 3 3	9
FBgn0262029	d	FBgn0037874	<b>Tctp</b>	<b>0.24</b>	1 2 0	3
FBgn0262029	d	FBgn0260991	<b>Incenp</b>	<b>0.23</b>	1 0 3	4
FBgn0262029	d	FBgn0082582	<b>tmod</b>	<b>0.22</b>	12 15 14	41
FBgn0262029	d	FBgn0001215	<b>Hrb98DE</b>	<b>0.21</b>	4 4 6	14
FBgn0262029	d	FBgn0250788	<b>beta-Spec</b>	<b>0.21</b>	1 2 0	3
FBgn0262029	d	FBgn0011016	<b>SsRbeta</b>	<b>0.2</b>	1 1 2	4
FBgn0262029	d	FBgn0004378	<b>Klp61F</b>	<b>0.2</b>	2 0 0	2
FBgn0262029	d	FBgn0024238	<b>Fim</b>	<b>0.19</b>	2 0 1	3
FBgn0262029	d	FBgn0003449	<b>snf</b>	<b>0.18</b>	2 1 1	4
FBgn0262029	d	FBgn0004227	<b>nonA</b>	<b>0.17</b>	5 3 4	12
FBgn0262029	d	FBgn0038476	<b>kuk</b>	<b>0.17</b>	2 0 0	2
FBgn0262029	d	FBgn0004907	<b>14-3-3zeta</b>	<b>0.16</b>	3 1 2	6
FBgn0262029	d	FBgn0261790	<b>SmE</b>	<b>0.16</b>	1 2 1	4
FBgn0262029	d	FBgn0005533	<b>RpS17</b>	<b>0.15</b>	3 1 1	5
FBgn0262029	d	FBgn0035987	<b>CG3689</b>	<b>0.13</b>	2 1 2	5
FBgn0262029	d	FBgn0261596	<b>RpS24</b>	<b>0.13</b>	2 1 1	4
FBgn0262029	d	FBgn0033109	<b>coro</b>	<b>0.13</b>	2 1 1	4
FBgn0262029	d	FBgn0010225	<b>Gel</b>	<b>0.13</b>	0 1 2	3
FBgn0262029	d	FBgn0027885	<b>Aac11</b>	<b>0.13</b>	0 0 2	2
FBgn0262029	d	FBgn0000258	<b>Ckl1alpha</b>	<b>0.12</b>	6 5 9	20
FBgn0262029	d	FBgn0031868	<b>Rat1</b>	<b>0.1</b>	1 0 2	3
FBgn0262029	d	FBgn0032363	<b>CG6509</b>	<b>0.08</b>	2 1 1	4
FBgn0262029	d	FBgn0013269	<b>FK506-bp1</b>	<b>0.07</b>	3 2 2	7
FBgn0262029	d	FBgn0010348	<b>Arf79F</b>	<b>0.07</b>	2 1 1	4
FBgn0262029	d	FBgn0013981	<b>His4r</b>	<b>0.06</b>	1 3 3	7
FBgn0262029	d	FBgn0010438	<b>mtSSB</b>	<b>0.06</b>	2 1 1	4
FBgn0262029	d	FBgn0013325	<b>RpL11</b>	<b>0.05</b>	8 5 6	19
FBgn0262029	d	FBgn0011726	<b>tsr</b>	<b>0.05</b>	3 3 3	9
FBgn0262029	d	FBgn0086710	<b>RpL30</b>	<b>0.04</b>	2 1 2	5
FBgn0262029	d	FBgn0004838	<b>Hrb27C</b>	<b>0.03</b>	5 6 6	17
FBgn0262029	d	FBgn0034968	<b>RpL12</b>	<b>0.03</b>	4 2 3	9
FBgn0262029	d	FBgn0035589	<b>CHMP2B</b>	<b>0.03</b>	2 1 3	6
FBgn0262029	d	FBgn0004237	<b>Hrb87F</b>	<b>0.02</b>	7 6 9	22
FBgn0262029	d	FBgn0003022	<b>Ote</b>	<b>0.02</b>	6 4 9	19
FBgn0262029	d	FBgn0025286	<b>RpL31</b>	<b>0.02</b>	3 1 3	7
FBgn0262029	d	FBgn0053868	<b>His2B:CG3386</b>	<b>0.02</b>	1 2 1	4
FBgn0262029	d	FBgn0002645	<b>Map205</b>	<b>0.01</b>	13 9 10	32
FBgn0262029	d	FBgn0015834	<b>Trip1</b>	<b>0.01</b>	7 3 4	14
FBgn0262029	d	FBgn0019936	<b>RpS20</b>	<b>0.01</b>	3 3 4	10
FBgn0262029	d	FBgn0031437	<b>p16-ARC</b>	<b>0.01</b>	3 3 3	9
FBgn0262029	d	FBgn0028737	<b>Ef1beta</b>	<b>0.01</b>	1 4 3	8
FBgn0262029	d	FBgn0037719	<b>bocksbeutel</b>	<b>0.01</b>	3 2 3	8
FBgn0262029	d	FBgn0032444	<b>CG5525</b>	<b>0.01</b>	3 2 2	7
FBgn0262029	d	FBgn0001217	<b>Hsc70-2</b>	<b>0.01</b>	2 2 2	6
FBgn0262029	d	FBgn0000173	<b>ben</b>	<b>0.01</b>	2 1 2	5
FBgn0262029	d	FBgn0002781	<b>mod(mdg4)</b>	<b>0.01</b>	0 3 2	5
FBgn0262029	d	FBgn0030136	<b>RpS28b</b>	<b>0.01</b>	2 1 1	4

## (A) entire PPIN

FBgn0262029	d	FBgn0005634	zip	0	263 266 257	786
FBgn0262029	d	FBgn0000042	Act5C	0	60 45 49	154
FBgn0262029	d	FBgn0000709	filil	0	36 31 29	96
FBgn0262029	d	FBgn0000556	Ef1alpha48D	0	31 28 34	93
FBgn0262029	d	FBgn0261710	nocte	0	32 22 34	88
FBgn0262029	d	FBgn0001219	Hsc70-4	0	26 26 27	79
FBgn0262029	d	FBgn0003721	Tm1	0	23 25 24	72
FBgn0262029	d	FBgn0030699	CG8578	0	22 17 21	60
FBgn0262029	d	FBgn0263231	bel	0	21 16 22	59
FBgn0262029	d	FBgn0003887	betaTub56D	0	21 19 18	58
FBgn0262029	d	FBgn0034577	cpa	0	18 18 15	51
FBgn0262029	d	FBgn0015778	rin	0	18 10 15	43
FBgn0262029	d	FBgn0002525	Lam	0	16 12 14	42
FBgn0262029	d	FBgn0003884	alphaTub84B	0	13 11 17	41
FBgn0262029	d	FBgn0001218	Hsc70-3	0	12 12 13	37
FBgn0262029	d	FBgn0040227	eIF-3p66	0	12 11 14	37
FBgn0262029	d	FBgn0001233	Hsp83	0	13 11 12	36
FBgn0262029	d	FBgn0004687	Mlc-c	0	10 13 12	35
FBgn0262029	d	FBgn0011570	cpb	0	11 12 10	33
FBgn0262029	d	FBgn0035608	blanks	0	12 10 10	32
FBgn0262029	d	FBgn0000044	Act57B	0	8 9 12	29
FBgn0262029	d	FBgn0262734	Rbp2	0	10 6 11	27
FBgn0262029	d	FBgn0029176	Ef1gamma	0	10 7 9	26
FBgn0262029	d	FBgn0003178	PyK	0	9 7 8	24
FBgn0262029	d	FBgn0031977	baf	0	6 7 9	22
FBgn0262029	d	FBgn0038145	Droj2	0	9 4 8	21
FBgn0262029	d	FBgn0261619	pAbp	0	9 6 6	21
FBgn0262029	d	FBgn0039757	RpS7	0	7 4 9	20
FBgn0262029	d	FBgn0027932	Akap200	0	8 5 7	20
FBgn0262029	d	FBgn0001961	Sop2	0	7 5 7	19
FBgn0262029	d	FBgn0031256	CG4164	0	5 6 7	18
FBgn0262029	d	FBgn0001220	Hsc70-5	0	4 6 6	16
FBgn0262029	d	FBgn0000559	Ef2b	0	7 5 3	15
FBgn0262029	d	FBgn0032859	Arc-p34	0	5 2 8	15
FBgn0262029	d	FBgn0036213	RpL10Ab	0	6 3 6	15
FBgn0262029	d	FBgn0001216	Hsc70-1	0	4 4 5	13
FBgn0262029	d	FBgn0003732	Top2	0	3 4 5	12
FBgn0262029	d	FBgn0027066	Eb1	0	5 1 6	12
FBgn0262029	d	FBgn0003514	sqh	0	3 4 4	11
FBgn0262029	d	FBgn0034743	RpS16	0	3 4 4	11
FBgn0262029	d	FBgn0003360	sesB	0	3 3 5	11
FBgn0262029	d	FBgn0004403	RpS14a	0	4 2 5	11
FBgn0262029	d	FBgn0010217	ATPsyn-beta	0	4 2 4	10
FBgn0262029	d	FBgn0011284	RpS4	0	4 3 3	10
FBgn0262029	d	FBgn0035499	Chd64	0	4 3 3	10
FBgn0262029	d	FBgn0013756	Mtor	0	4 1 5	10
FBgn0262029	d	FBgn0015756	RpL9	0	4 3 3	10
FBgn0262029	d	FBgn0261593	RpS10b	0	3 2 4	9
FBgn0262029	d	FBgn0051363	Jupiter	0	3 2 4	9
FBgn0262029	d	FBgn0004363	porin	0	4 3 2	9
FBgn0262029	d	FBgn0039697	CG7834	0	3 2 3	8

## (A) entire PPIN

FBgn0262029 d	FBgn0037891 <b>CG5214</b>	0 2 4 2	8
FBgn0262029 d	FBgn0010078 <b>RpL23</b>	0 2 4 2	8
FBgn0262029 d	FBgn0030993 <b>Mec2</b>	0 2 3 3	8
FBgn0262029 d	FBgn0031781 <b>Arc-p20</b>	0 3 2 3	8
FBgn0262029 d	FBgn0014269 <b>prod</b>	0 3 2 3	8
FBgn0262029 d	FBgn0011742 <b>Arp14D</b>	0 2 2 3	7
FBgn0262029 d	FBgn0010198 <b>RpS15Aa</b>	0 4 2 1	7
FBgn0262029 d	FBgn0000100 <b>RpLP0</b>	0 4 1 2	7
FBgn0262029 d	FBgn0028327 <b>I(1)G0320</b>	0 1 2 4	7
FBgn0262029 d	FBgn0003890 <b>betaTub97EF</b>	0 2 2 2	6
FBgn0262029 d	FBgn0010408 <b>RpS9</b>	0 3 1 2	6
FBgn0262029 d	FBgn0011211 <b>blw</b>	0 3 2 1	6
FBgn0262029 d	FBgn0001942 <b>eIF-4a</b>	0 1 3 2	6
FBgn0262029 d	FBgn0039300 <b>RpS27</b>	0 2 1 1	4
FBgn0262029 d	FBgn0003274 <b>RpLP2</b>	0 2 1 1	4
FBgn0262029 d	FBgn0028969 <b>deltaCOP</b>	0 1 1 2	4
FBgn0262029 d	FBgn0013750 <b>Arf51F</b>	0 1 1 1	3
FBgn0262029 d	FBgn0261792 <b>snRNP-U1-C</b>	0 1 1 1	3
FBgn0262029 d	FBgn0260986 <b>mei-38</b>	0 1 1 1	3
FBgn0262029 d	FBgn0020238 <b>14-3-3epsilon</b>	0 1 2 0	3
FBgn0262029 d	FBgn0032198 <b>eEF1delta</b>	0 1 1 1	3
FBgn0262029 d	FBgn0028470 <b>Patr-1</b>	0 1 1 1	3
FBgn0262029 d	FBgn0039562 <b>Gp93</b>	0 1 1 1	3
FBgn0262029 d	FBgn0050122 <b>CG30122</b>	0 2 0 1	3
FBgn0262029 d	FBgn0002593 <b>RpLP1</b>	0 1 1 1	3
FBgn0262029 d	FBgn0032454 <b>CG5787</b>	0 1 1 1	3
FBgn0262029 d	FBgn0010333 <b>Rac1</b>	0 1 1 1	3
FBgn0262029 d	FBgn0029118 <b>Sucb</b>	0 1 1 1	3
FBgn0262029 d	FBgn0026761 <b>Trap1</b>	0 1 1 1	3
FBgn0262029 d	FBgn0020910 <b>RpL3</b>	0 1 1 1	3
FBgn0262029 d	FBgn0033264 <b>Nup50</b>	0 1 1 1	3
FBgn0262029 d	FBgn0029093 <b>cathD</b>	0 1 1 1	3
FBgn0262029 d	FBgn0033342 <b>CG8258</b>	0 1 1 1	3
FBgn0262029 d	FBgn0014391 <b>sun</b>	0 1 1 1	3
FBgn0262029 d	FBgn0261444 <b>CG3638</b>	0 1 1 1	3
FBgn0262029 d	FBgn0037670 <b>CG8436</b>	0 1 1 1	3
FBgn0262029 d	FBgn0016693 <b>Past1</b>	0 1 1 1	3
FBgn0262029 d	FBgn0260010 <b>rump</b>	0 1 1 1	3
FBgn0262029 d	FBgn0016120 <b>ATPsyn-d</b>	0 1 1 1	3
FBgn0262029 d	FBgn0034181 <b>CG8963</b>	0 1 1 1	3
FBgn0262029 d	FBgn0030943 <b>CG6540</b>	0 1 1 1	3
FBgn0262029 d	FBgn0025700 <b>CG5885</b>	0 1 1 1	3
FBgn0262029 d	FBgn0014029 <b>Sep2</b>	0 1 1 1	3
FBgn0262029 d	FBgn0035588 <b>CG10672</b>	0 1 1 1	3
FBgn0262029 d	FBgn0011710 <b>Sep1</b>	0 1 0 2	3
FBgn0262029 d	FBgn0001315 <b>kl-5</b>	0 1 1 1	3
FBgn0262029 d	FBgn0003941 <b>RpL40</b>	0 1 1 1	3
FBgn0262029 d	FBgn0002622 <b>RpS3</b>	0 1 1 1	3
FBgn0262029 d	FBgn0014189 <b>Hel25E</b>	0 2 0 0	2
FBgn0262029 d	FBgn0034138 <b>RpS15</b>	0 1 0 1	2
FBgn0262029 d	FBgn0030992 <b>CG33253</b>	0 1 1 0	2

## (A) entire PPIN

FBgn0262029 d	FBgn0037632 <b>Tcp-1eta</b>	0 1 0 1	2
FBgn0262029 d	FBgn0010612 <b>I(2)06225</b>	0 1 0 1	2
FBgn0262029 d	FBgn0010265 <b>RpS13</b>	0 1 1 0	2
FBgn0262029 d	FBgn0036805 <b>Chmp1</b>	0 0 1 1	2
FBgn0262029 d	FBgn0030086 <b>CG7033</b>	0 1 0 1	2
FBgn0262029 d	FBgn0261397 <b>didum</b>	0 0 0 2	2
FBgn0262029 d	FBgn0005586 <b>Rab3</b>	0 1 0 1	2
FBgn0262029 d	FBgn0027494 <b>RpS10a</b>	0 1 0 1	2
FBgn0262029 d	FBgn0038965 <b>mats</b>	0 1 1 0	2
FBgn0262029 d	FBgn0003888 <b>betaTub60D</b>	0 1 0 1	2
FBgn0262029 d	FBgn0260441 <b>RpS12</b>	0 1 1 0	2
FBgn0262029 d	FBgn0034967 <b>eIF-5A</b>	0 1 0 1	2
FBgn0262029 d	FBgn0036641 <b>Smn</b>	0 1 1 0	2
FBgn0262029 d	FBgn0025637 <b>skpA</b>	0 1 0 1	2
FBgn0262029 d	FBgn0027598 <b>cindr</b>	0 1 1 0	2
FBgn0262029 d	FBgn0022984 <b>qkr58E-3</b>	0 1 0 1	2
FBgn0262029 d	FBgn0039229 <b>Saf-B</b>	0 0 1 1	2
FBgn0262029 d	FBgn0023521 <b>CG3587</b>	0 0 1 1	2
FBgn0262029 d	FBgn0031066 <b>CG14235</b>	0 1 0 1	2
FBgn0262029 d	FBgn0017545 <b>RpS3A</b>	0 1 0 1	2
FBgn0262029 d	FBgn0010808 <b>I(3)03670</b>	0 1 0 1	2
FBgn0262029 d	FBgn0028697 <b>RpL15</b>	0 1 1 0	2
FBgn0262029 d	FBgn0022349 <b>CG1910</b>	0 1 0 1	2
FBgn0262029 d	FBgn0011823 <b>Pen</b>	0 1 1 0	2
FBgn0262029 d	FBgn0032833 <b>CG10664</b>	0 1 1 0	2
FBgn0262029 d	FBgn0033879 <b>CG6543</b>	0 1 0 1	2
FBgn0262029 d	FBgn0250814 <b>CG4169</b>	0 1 0 1	2
FBgn0262029 d	FBgn0037549 <b>CG7878</b>	0 1 0 1	2
FBgn0262029 d	FBgn0039402 <b>vps2</b>	0 0 1 1	2
FBgn0262029 d	FBgn0035872 <b>CG7185</b>	0 1 0 1	2
FBgn0262029 d	FBgn0035424 <b>CG11505</b>	0 1 0 1	2
FBgn0262029 d	FBgn0035600 <b>CG4769</b>	0 1 0 1	2
FBgn0262029 d	FBgn0261609 <b>eIF-2alpha</b>	0 1 0 1	2
FBgn0262029 d	FBgn0027329 <b>Tcp-1zeta</b>	0 1 1 0	2
FBgn0262029 d	FBgn0004587 <b>B52</b>	0 1 0 1	2
FBgn0262029 d	FBgn0015324 <b>Vha26</b>	0 1 0 1	2
FBgn0262029 d	FBgn0062442 <b>CG1458</b>	0 1 1 0	2
FBgn0262029 d	FBgn0015797 <b>Rab6</b>	0 1 0 1	2
FBgn0262029 d	FBgn0011638 <b>La</b>	0 1 1 0	2
FBgn0262029 d	FBgn0004867 <b>RpS2</b>	0 0 1 1	2
FBgn0262029 d	FBgn0000319 <b>Chc</b>	0 1 1 0	2
FBgn0262029 d	FBgn0010411 <b>RpS18</b>	0 1 0 1	2
FBgn0262029 d	FBgn0064225 <b>RpL5</b>	0 1 1 0	2
FBgn0262029 d	FBgn0034237 <b>eIF3-S9</b>	0 1 0 1	2
FBgn0262029 d	FBgn0000317 <b>ck</b>	0 0 1 1	2
FBgn0262029 d	FBgn0033194 <b>Vps13</b>	0 1 0 0	1
FBgn0262029 d	FBgn0261933 <b>SmD1</b>	0 0 0 1	1
FBgn0262029 d	FBgn0053225 <b>CG33225</b>	0 0 0 1	1
FBgn0262029 d	FBgn0021906 <b>RFeSP</b>	0 0 1 0	1
FBgn0262029 d	FBgn0032587 <b>CG5953</b>	0 1 0 0	1
FBgn0262029 d	FBgn0015589 <b>Apc</b>	0 0 0 1	1



## (A) entire PPIN

FBgn0262029	d	FBgn0039286	dan	0	0 0 1	1
FBgn0262029	d	FBgn0029823	CG3011	0	1 0 0	1
FBgn0262029	d	FBgn0032359	Osi21	0	0 0 1	1
FBgn0262029	d	FBgn0039359	RpL27	0	1 0 0	1
FBgn0262029	d	FBgn0024734	PRL-1	0	0 0 1	1
FBgn0262029	d	FBgn0000412	D1	0	0 1 0	1
FBgn0262029	d	FBgn0031021	CG12203	0	0 0 1	1
FBgn0262029	d	FBgn0034970	yki	0	0 1 0	1
FBgn0262029	d	FBgn0035715	CG10103	0	0 0 1	1
FBgn0262029	d	FBgn0016700	Rab1	0	1 0 0	1
FBgn0262029	d	FBgn0050278	CG30278	0	0 1 0	1
FBgn0262029	d	FBgn0003345	sd	0	0 1 0	1
FBgn0262029	d	FBgn0086768	Pcmt	0	0 0 1	1
FBgn0262029	d	FBgn0030293	CG1737	0	0 0 1	1
FBgn0262029	d	FBgn0085335	CG34306	0	0 0 1	1
FBgn0262029	d	FBgn0262735	Imp	0	0 1 0	1
FBgn0262029	d	FBgn0001075	ft	0	0 1 0	1
FBgn0262029	d	FBgn0029977	hdm	0	0 1 0	1
FBgn0262029	d	FBgn0039687	CG7593	0	0 1 0	1
FBgn0262029	d	FBgn0001091	Gapdh1	0	0 1 0	1
FBgn0262029	d	FBgn0260462	CG12163	0	0 0 1	1
FBgn0262029	d	FBgn0263121	Prosalpha1	0	0 0 1	1
FBgn0262029	d	FBgn0063485	Lasp	0	0 0 1	1
FBgn0262029	d	FBgn0030692	mRpS30	0	1 0 0	1
FBgn0262029	d	FBgn0051453	pch2	0	1 0 0	1
FBgn0262029	d	FBgn0011787	mRpL12	0	1 0 0	1
FBgn0262029	d	FBgn0036333	MICAL-like	0	0 1 0	1
FBgn0262029	d	FBgn0034259	CG6459	0	1 0 0	1
FBgn0262029	d	FBgn0003676	T-cp1	0	1 0 0	1
FBgn0262029	d	FBgn0086377	Syx7	0	1 0 0	1
FBgn0262029	d	FBgn0033159	Dscam	0	0 1 0	1
FBgn0262029	d	FBgn0037046	CG10581	0	0 1 0	1
FBgn0262029	d	FBgn0034300	CG5098	0	0 0 1	1
FBgn0262029	d	FBgn0040371	CG12470	0	0 1 0	1
FBgn0262029	d	FBgn0086532	Spt-I	0	0 1 0	1
FBgn0262029	d	FBgn0029975	CG1444	0	1 0 0	1
FBgn0262029	d	FBgn0040529	CG9603	0	1 0 0	1
FBgn0262029	d	FBgn0038702	CG3739	0	1 0 0	1
FBgn0262029	d	FBgn0036406	CG13484	0	0 0 1	1
FBgn0262029	d	FBgn0031357	mRpL48	0	0 0 1	1
FBgn0262029	d	FBgn0023517	Pgam5	0	0 0 1	1
FBgn0262029	d	FBgn0263347	Caf1	0	1 0 0	1
FBgn0262029	d	FBgn0262125	sec23	0	0 0 1	1
FBgn0262029	d	FBgn0030263	CG2076	0	1 0 0	1
FBgn0262029	d	FBgn0000212	brm	0	1 0 0	1
FBgn0262029	d	FBgn0038805	TFAM	0	0 1 0	1
FBgn0262029	d	FBgn0033087	CG3194	0	0 0 1	1
FBgn0262029	d	FBgn0037634	CG8359	0	0 0 1	1
FBgn0262029	d	FBgn0040078	pont	0	0 0 1	1
FBgn0262029	d	FBgn0038206	twf	0	1 0 0	1
FBgn0262029	d	FBgn0028988	Spn1	0	0 0 1	1

## (A) entire PPIN

FBgn0262029	<b>d</b>	FBgn0010339	<b>128up</b>	0 0 0 1	1
FBgn0262029	<b>d</b>	FBgn0014133	<b>bif</b>	0 0 0 1	1
FBgn0262029	<b>d</b>	FBgn0035577	<b>CG13708</b>	0 0 0 1	1
FBgn0262029	<b>d</b>	FBgn0262559	<b>Mdh2</b>	0 1 0 0	1
FBgn0262029	<b>d</b>	FBgn0053207	<b>pxb</b>	0 0 1 0	1
FBgn0262029	<b>d</b>	FBgn0020510	<b>Abi</b>	0 1 0 0	1
FBgn0262029	<b>d</b>	FBgn0262579	<b>Ect4</b>	0 1 0 0	1
FBgn0262029	<b>d</b>	FBgn0036083	<b>Ir67b</b>	0 1 0 0	1
FBgn0262029	<b>d</b>	FBgn0003716	<b>tkv</b>	0 0 1 0	1
FBgn0262029	<b>d</b>	FBgn0037583	<b>CG9684</b>	0 0 1 0	1
FBgn0262029	<b>d</b>	FBgn0039537	<b>CG5590</b>	0 1 0 0	1
FBgn0262029	<b>d</b>	FBgn0029874	<b>CG3342</b>	0 0 0 1	1
FBgn0262029	<b>d</b>	FBgn0035272	<b>mRpL46</b>	0 1 0 0	1
FBgn0262029	<b>d</b>	FBgn0000579	<b>Eno</b>	0 0 0 1	1
FBgn0262029	<b>d</b>	FBgn0037087	<b>CG7519</b>	0 0 0 1	1
FBgn0262029	<b>d</b>	FBgn0053523	<b>CG33523</b>	0 0 0 1	1
FBgn0262029	<b>d</b>	FBgn0035229	<b>CG7852</b>	0 1 0 0	1
FBgn0262029	<b>d</b>	FBgn0032600	<b>CG17912</b>	0 0 0 1	1
FBgn0262029	<b>d</b>	FBgn0032987	<b>RpL21</b>	0 1 0 0	1
FBgn0262029	<b>d</b>	FBgn0051352	<b>Unc-115a</b>	0 0 0 1	1
FBgn0262029	<b>d</b>	FBgn0085188	<b>CG34159</b>	0 1 0 0	1
FBgn0262029	<b>d</b>	FBgn0083962	<b>CG34126</b>	0 0 0 1	1
FBgn0262029	<b>d</b>	FBgn0032234	<b>gny</b>	0 0 0 1	1
FBgn0262029	<b>d</b>	FBgn0038853	<b>RhoGAP93B</b>	0 0 0 1	1
FBgn0262029	<b>d</b>	FBgn0033403	<b>CG13739</b>	0 0 1 0	1
FBgn0262029	<b>d</b>	FBgn0004406	<b>tam</b>	0 0 0 1	1
FBgn0262029	<b>d</b>	FBgn0003870	<b>ttk</b>	0 0 0 1	1
FBgn0262029	<b>d</b>	FBgn0032216	<b>CG5384</b>	0 0 1 0	1
FBgn0262029	<b>d</b>	FBgn0001104	<b>G-ialpha65A</b>	0 0 1 0	1
FBgn0262029	<b>d</b>	FBgn0032518	<b>RpL24</b>	0 0 1 0	1
FBgn0262029	<b>d</b>	FBgn0010909	<b>msn</b>	0 1 0 0	1
FBgn0262029	<b>d</b>	FBgn0032168	<b>CG13126</b>	0 1 0 0	1
FBgn0262029	<b>d</b>	FBgn0033740	<b>dgt5</b>	0 0 0 1	1
FBgn0262029	<b>d</b>	FBgn0020261	<b>pcm</b>	0 0 0 1	1
FBgn0262029	<b>d</b>	FBgn0039000	<b>CG6954</b>	0 0 1 0	1
FBgn0262029	<b>d</b>	FBgn0037135	<b>CG7414</b>	0 1 0 0	1
FBgn0262029	<b>d</b>	FBgn0000658	<b>fj</b>	0 1 0 0	1
FBgn0262029	<b>d</b>	FBgn0052103	<b>CG32103</b>	0 1 0 0	1
FBgn0262029	<b>d</b>	FBgn0015907	<b>bl</b>	0 1 0 0	1
FBgn0262029	<b>d</b>	FBgn0001226	<b>Hsp27</b>	0 0 1 0	1
FBgn0262029	<b>d</b>	FBgn0038860	<b>CG10825</b>	0 0 0 1	1
FBgn0262029	<b>d</b>	FBgn0085370	<b>Pde11</b>	0 1 0 0	1
FBgn0262029	<b>d</b>	FBgn0027338	<b>Kap-alpha3</b>	0 0 0 1	1
FBgn0262029	<b>d</b>	FBgn0037643	<b>skap</b>	0 0 0 1	1
FBgn0262029	<b>d</b>	FBgn0011703	<b>RnrL</b>	0 1 0 0	1
FBgn0262029	<b>d</b>	FBgn0030594	<b>CG9509</b>	0 0 0 1	1
FBgn0262029	<b>d</b>	FBgn0029897	<b>RpL17</b>	0 0 0 1	1
FBgn0262029	<b>d</b>	FBgn0004888	<b>Scsalpha</b>	0 0 0 1	1
FBgn0262029	<b>d</b>	FBgn0002787	<b>Mov34</b>	0 1 0 0	1
FBgn0262029	<b>d</b>	FBgn0004380	<b>Klp64D</b>	0 0 1 0	1
FBgn0262029	<b>d</b>	FBgn0036389	<b>ssp2</b>	0 1 0 0	1

(A) entire PPIN

FBgn0262029	d	FBgn0011739	<b>wts</b>	0	0 1 0	1
FBgn0262029	d	FBgn0013726	<b>pnut</b>	0	1 0 0	1
FBgn0262029	d	FBgn0261597	<b>RpS26</b>	0	0 1 0	1
FBgn0262029	d	FBgn0030970	<b>CG7326</b>	0	1 0 0	1
FBgn0262029	d	FBgn0030479	<b>Rbp1-like</b>	0	1 0 0	1
FBgn0262029	d	FBgn0045980	<b>niki</b>	0	0 1 0	1
FBgn0262029	d	FBgn0261928	<b>CG42795</b>	0	0 0 1	1
FBgn0262029	d	FBgn0025936	<b>Eph</b>	0	0 1 0	1
FBgn0262029	d	FBgn0015218	<b>eIF-4E</b>	0	0 0 1	1
FBgn0262029	d	FBgn0035490	<b>CG1136</b>	0	0 1 0	1
FBgn0262029	d	FBgn0032683	<b>kon</b>	0	0 0 1	1
FBgn0262029	d	FBgn0013469	<b>klu</b>	0	1 0 0	1
FBgn0262029	d	FBgn0037743	<b>CG8412</b>	0	0 0 1	1
FBgn0262029	d	FBgn0051926	<b>CG31926</b>	0	1 0 0	1
FBgn0262029	d	FBgn0032961	<b>CG1416</b>	0	1 0 0	1
FBgn0262029	d	FBgn0000497	<b>ds</b>	0	0 1 0	1
FBgn0262029	d	FBgn0261608	<b>RpL37A</b>	0	1 0 0	1
FBgn0262029	d	FBgn0034398	<b>CG15098</b>	0	0 1 0	1
FBgn0262029	d	FBgn0034827	<b>Klp59D</b>	0	1 0 0	1
FBgn0262029	d	FBgn0000140	<b>asp</b>	0	1 0 0	1
FBgn0262029	d	FBgn0036822	<b>CG11637</b>	0	0 0 1	1
FBgn0262029	d	FBgn0022987	<b>qkr54B</b>	0	0 0 1	1

(A) entire PPIN

Spectral Counts in Control

```

0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
1|0|0|0|0|0|0|1|1|1|0|0|0|0|0
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|0|0|0|0|0|0|0|1|0|0|1|0|0
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|1|0|0|0|1|0|1|2|0|0|0|1|0|0
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
10|9|9|6|2|13|16|10|15|20|36|36|17|15
0|0|3|5|2|0|0|0|1|3|0|0|0|0|0|0
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|0|0|0|0|0|0|0|0|0|0|0|0|2|1
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|2|1|0|0|0|1|1|1|0|0|0|0|0|0
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|1|1|0|0|0|0|0|0|0|0|0|0|0|0
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|1|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|1|0|0|0|0|0|0|0|0|0|0|1|1|0|0
0|0|1|0|0|0|0|0|0|2|0|0|0|0|0|0
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|1|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|1|1|0|0|0|0|0|0|0|0|0|0|0|0
0|0|0|0|0|0|0|0|2|5|0|0|0|0|0|0
0|0|1|2|1|0|0|0|0|0|0|0|0|0|0|0
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|1|0|0|0|0|0|0|0|0|0|0|0|0|0
0|0|0|0|0|0|0|0|2|2|0|0|0|0|0|0

```



(A) entire PPIN

1|0|4|1|2|2|1|1|3|3|0|0|4|3  
3|3|8|6|6|3|3|5|8|8|4|6|7|8  
0|1|2|1|0|0|8|8|4|5|1|3|3|4  
3|3|0|0|0|1|1|1|2|3|1|2|1|1  
8|1|0|7|3|1|9|11|8|19|16|7|5|6|8  
0|0|3|0|0|0|3|1|2|1|3|1|1|1  
1|0|1|2|1|1|0|0|3|3|2|2|1|1  
0|0|1|0|0|1|2|2|4|3|2|3|3|3  
2|1|3|1|1|1|1|0|3|5|0|0|5|2  
2|1|6|4|1|3|4|4|4|10|2|2|3|7  
0|0|5|6|1|0|0|0|2|2|0|0|0|0  
2|1|5|6|2|2|0|0|5|4|1|1|2|1  
1|0|0|0|0|0|5|2|3|1|2|1|4|1  
0|0|1|1|0|0|2|2|2|2|3|3|4|6  
0|0|0|0|0|0|4|3|2|3|2|2|1|1  
0|0|0|0|0|0|0|0|6|8|0|0|0|1  
0|0|1|1|0|0|2|0|1|3|2|1|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
2|2|4|2|1|1|0|0|6|5|2|3|5|5  
1|1|1|1|0|2|4|3|3|4|1|2|4|4  
2|2|0|0|0|0|3|1|4|3|1|2|5|2  
1|1|3|5|2|0|9|4|7|10|3|2|4|3  
10|11|13|15|7|11|6|9|23|23|14|11|1|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
1|0|0|1|0|0|2|0|2|1|0|1|1|0  
1|1|2|1|1|1|10|9|4|7|2|3|11|9  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|5|5|4|6|0|0|5|3  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
1|0|2|0|0|2|1|4|5|4|3|1|7|3  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|1|1|1|1|1|0|0|1|1|0|1|0|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|2|1|2|3|0|0|1|0  
0|0|3|1|0|0|0|0|0|1|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|1|0|2|0|0|0  
0|0|0|0|0|0|2|1|1|0|0|0|1|1  
1|3|7|5|3|2|3|6|8|7|5|5|0|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
5|1|6|10|7|2|0|0|1|3|0|0|6|5  
0|0|9|8|3|1|1|0|1|1|0|0|5|9  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|0|0|1|0|0|1|1|1|1|1|1  
0|0|0|0|0|0|5|6|16|19|0|0|12|23



(A) entire PPIN

0|0|1|1|0|0|9|5|1|2|0|1|4|4  
0|0|0|0|0|0|2|2|1|2|0|0|1|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
1|0|0|0|0|0|0|0|1|1|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|1|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|1|1|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|1|1|1|4|2|2|3|2  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|1|0|0|0|0|0|0|1|1|1|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
2|0|4|4|2|1|1|0|3|3|2|1|1|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|3|4|0|0|0|0|2|2|0|0|4|2  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|2|2|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|1|0|0  
3|1|0|0|0|2|1|0|3|4|0|0|4|4  
0|1|0|0|0|0|1|1|2|2|0|0|2|1  
1|0|0|0|0|0|0|0|0|1|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|2|1|2|2|0|0|0|1  
0|0|0|0|0|0|0|0|1|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|3|3|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
2|3|1|0|0|4|0|0|5|4|3|3|1|1  
0|0|7|3|0|1|0|0|6|13|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|6|8|0|0|0|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|2|2|0|0|0|0  
0|0|0|0|0|0|1|0|0|2|0|0|1|0  
0|0|0|0|0|0|0|1|1|1|0|0|0|0  
0|0|0|0|0|0|0|0|1|4|1|0|2|0  
0|0|0|0|0|0|1|0|0|0|0|0|1|0



(A) entire PPIN

0|0|0|0|0|2|0|4|3|0|0|0|1  
0|0|0|0|0|2|1|1|1|0|0|1|0  
0|0|0|0|0|0|1|1|1|0|0|0|1  
0|0|0|0|0|0|0|0|0|1|0|0|0  
0|0|1|0|0|0|4|1|2|6|1|1|1|1  
0|0|1|0|0|0|0|0|3|3|1|0|0|0  
6|6|2|0|0|3|0|7|4|3|0|0|0|0  
0|0|0|0|0|0|0|1|1|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|1|1|0|0|4|4  
2|1|1|0|0|1|5|5|5|6|0|0|0|0  
0|0|0|0|0|0|0|0|0|1|0|0|0|1  
0|0|0|0|0|0|1|0|0|0|0|0|0|1  
0|0|0|0|0|0|5|5|4|6|0|0|5|3  
0|0|0|0|0|0|0|1|1|1|0|0|1|1  
0|0|0|0|0|0|0|0|1|1|0|0|0|0  
0|0|0|0|0|0|1|1|2|3|0|0|1|1  
0|0|0|0|0|0|0|0|2|1|0|0|0|0  
0|0|2|2|1|1|6|3|2|2|1|1|1|1  
0|0|0|0|0|0|0|0|1|1|0|0|0|1  
1|0|4|3|0|0|0|1|3|3|0|0|0|0  
0|0|0|0|0|0|3|4|0|0|1|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|2|5|0|0|0|0  
0|0|0|0|0|0|3|2|0|1|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|1|2|0|0|0|0  
0|0|1|0|0|0|0|0|1|1|0|1|0|0  
0|0|1|1|0|0|0|0|0|0|0|1|3|3  
0|0|0|0|0|0|0|0|1|2|0|0|0|1  
0|0|0|0|0|0|0|1|0|0|0|0|1|0  
0|0|0|0|0|0|0|0|1|1|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|0|0|1|2|2|4|3|2|3|3|3  
0|1|0|0|0|0|3|2|4|6|1|1|2|1  
0|0|2|0|0|0|0|0|2|0|0|0|0|0  
1|0|0|0|1|1|0|0|0|1|0|0|0|0  
0|0|1|1|0|0|9|5|1|2|0|1|4|4  
0|0|0|0|0|0|1|1|0|3|1|0|0|2  
0|0|1|0|0|0|0|0|1|0|0|0|0|0  
1|0|0|0|0|0|0|0|1|0|0|0|0|1  
0|0|2|0|0|0|0|0|0|1|1|1|2|3  
0|0|0|0|0|0|0|0|2|0|0|1|1  
0|0|0|0|0|0|4|3|2|3|2|2|1|1  
0|0|0|0|0|0|0|0|2|0|0|0|0  
0|0|0|0|0|0|4|5|3|3|0|0|2|1  
0|0|0|0|0|0|0|0|1|1|1|2|0|1  
0|0|0|0|0|0|0|0|0|0|0|0|1|2  
0|0|0|0|0|0|1|1|1|4|2|2|3|2  
1|0|0|0|0|0|2|0|1|1|1|0|0|0  
0|0|3|0|0|0|3|1|2|1|3|1|1|1

(A) entire PPIN

2|0|1|0|0|1|0|0|1|3|0|0|1|1|1  
0|0|0|0|0|0|0|0|0|1|2|0|0|0|0  
0|0|0|0|0|0|2|1|3|3|0|0|2|1  
0|0|0|0|0|0|0|0|6|6|0|0|0|0  
0|0|0|0|0|0|0|0|3|3|0|0|0|0  
0|0|0|0|0|0|1|2|4|5|0|2|0|2  
0|0|0|0|0|0|0|0|0|1|0|0|0|0  
0|0|2|0|0|0|0|0|3|2|1|1|0|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|1|0|0|0|0|0|0|1|1|1|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|1|2  
0|0|1|0|0|0|0|0|1|1|0|0|0|1  
0|0|0|0|0|0|1|2|2|4|0|0|1|3  
0|0|0|0|0|0|1|0|0|0|1|1|0|0  
0|0|0|0|0|0|1|0|1|1|0|0|1|2  
0|0|0|0|0|0|0|0|0|0|0|0|1|1  
0|0|0|0|0|0|0|0|1|3|0|0|0|1  
0|0|0|0|0|0|0|0|1|1|0|0|0|0  
0|0|0|0|0|0|0|0|1|0|0|0|0|0  
0|0|3|1|0|0|1|1|0|0|1|1|2|8  
0|0|0|0|0|0|4|1|0|1|0|2|1|0  
0|0|2|6|0|0|0|0|1|1|0|1|2|1  
1|0|0|1|0|0|2|0|2|1|0|1|1|0  
0|0|0|0|0|0|0|0|2|2|0|0|0|0  
0|0|0|0|0|0|1|1|1|1|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|2|1|2|4|5|7  
0|0|0|0|0|0|0|0|1|2|0|1|0|0  
0|0|0|0|0|0|0|0|1|1|0|1|1|0  
0|0|5|5|2|0|0|0|4|4|3|1|0|0  
0|1|2|1|0|0|8|8|4|5|1|3|3|4  
0|0|0|0|0|0|0|0|0|1|0|0|0|0  
0|0|1|0|0|1|4|4|5|3|2|4|0|0  
0|1|0|0|0|0|1|1|2|2|0|0|2|1  
1|0|0|0|0|0|1|1|1|0|0|0|0|0  
0|0|0|0|0|0|3|2|1|2|0|0|1|1  
0|0|0|0|0|0|1|1|1|1|1|1|0|0  
0|0|0|0|0|0|0|0|0|0|0|1|0|0  
0|0|3|5|2|0|0|0|1|3|0|0|0|0  
0|0|0|0|0|0|0|0|1|0|2|0|0|0  
0|0|0|0|0|0|0|0|1|0|0|0|0|0  
0|0|0|0|0|0|2|1|2|2|0|0|0|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|2|2|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|1|0|0|0|0|1|2|0|0|0|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|3|1|0|0|1|1|3|2|1|2|2|1  
1|1|0|0|0|0|0|0|1|0|1|1|1|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0

(A) entire PPIN

0|0|0|0|0|0|0|2|0|0|1|2|1  
0|0|0|0|0|1|1|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|1|0  
3|1|0|0|0|0|3|0|6|9|6|4|1|0  
0|0|1|1|0|0|2|0|1|3|2|1|0|0  
0|0|0|0|0|1|0|0|4|3|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
1|1|3|5|2|0|9|4|7|10|3|2|4|3  
0|0|2|1|0|0|0|1|1|1|0|0|0|0  
0|0|0|0|0|0|6|6|7|8|0|1|10|14  
0|0|1|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|1|1|2|1|0|0|0|0  
1|1|0|0|0|1|2|2|1|2|1|1|2|1  
2|2|2|0|0|2|1|2|1|2|2|2|0|0  
0|0|0|0|0|0|2|2|1|2|0|0|1|1  
0|0|0|0|0|0|0|2|3|0|2|1|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
1|0|3|0|0|0|2|1|9|9|3|4|3|2  
1|0|1|1|0|0|1|0|1|2|0|0|1|1  
0|0|1|0|0|0|1|0|1|2|0|0|0|1  
0|0|1|1|0|0|0|0|1|1|0|1|3|1  
3|3|2|3|1|4|2|3|9|11|5|4|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|2|0|0|0|0|0|4|7|6|5|0|0  
0|0|0|0|0|0|1|1|5|6|0|0|1|2  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|0|0|0|2|1|5|5|4|4|9|7  
1|1|6|0|0|0|1|1|4|5|1|3|2|0  
2|8|2|3|0|0|2|14|4|2|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|1|1|0|0|0|2|3|1|1|1|0  
4|4|0|0|0|1|7|7|8|8|2|3|1|3  
1|1|0|1|1|1|2|1|6|7|0|0|1|0  
1|2|1|0|0|1|1|1|2|2|0|0|1|3  
0|1|0|1|0|1|0|0|0|0|1|2|4|0  
2|1|6|4|1|3|4|4|4|10|2|2|3|7  
0|0|1|0|0|0|1|2|3|8|1|0|2|0  
0|0|1|0|0|0|0|0|2|2|1|0|2|2  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
1|2|3|1|0|0|4|5|3|6|3|4|4|3  
0|0|3|0|0|0|0|2|1|6|3|3|2|3  
0|1|0|0|0|1|0|0|3|3|0|0|2|2  
1|0|0|1|0|0|0|0|1|3|1|1|1|2  
1|1|1|0|0|1|0|0|1|2|2|1|0|0  
5|9|6|1|1|7|4|8|9|8|2|2|2|5  
2|1|6|5|1|1|0|1|9|11|3|1|5|4  
2|0|1|0|0|1|1|2|6|6|4|4|2|1  
0|0|0|0|0|0|5|3|4|5|1|1|4|5  
0|0|0|0|0|0|2|1|3|6|0|0|0|1  
0|0|0|0|0|0|1|1|3|0|0|7|4

(A) entire PPIN

1|0|0|0|0|0|0|3|6|0|1|0|1  
19|1|20|3|23|4|24|3|20|8|17|3|22|7|26|3|24|9|25|0|25|7|22|5|21|7  
20|28|32|41|47|26|19|21|63|55|24|27|51|45  
13|18|15|11|7|18|37|36|33|40|23|28|28|38  
9|7|15|8|11|10|21|22|30|35|26|26|43|38  
22|31|47|47|47|25|23|26|44|50|30|37|22|15  
12|11|12|11|8|19|1|6|46|50|13|12|0|0  
10|9|18|16|7|7|12|12|24|29|6|7|22|22  
5|4|8|7|7|4|16|13|21|22|9|12|18|19  
7|8|9|12|12|7|18|16|33|29|14|14|28|24  
12|18|29|29|19|17|19|23|30|31|29|27|0|0  
9|7|3|0|1|6|10|14|22|27|17|21|15|20  
10|9|9|6|2|13|16|10|15|20|36|36|17|15  
10|11|13|15|7|11|6|9|23|23|14|11|1|0  
7|1|14|10|1|2|0|0|19|26|8|7|6|3  
8|10|7|3|1|9|11|8|19|16|7|5|6|8  
8|5|1|1|7|0|5|6|5|16|17|4|5|15|11  
1|1|2|1|1|1|10|9|4|7|2|3|11|9  
1|5|3|3|1|3|8|6|10|16|3|5|11|11  
1|1|4|3|1|2|5|6|6|10|2|4|6|5  
1|1|12|9|13|10|12|7|10|13|14|10|10|3|1  
2|1|13|10|8|5|5|4|11|11|9|9|3|2  
2|4|9|6|3|4|2|2|10|10|4|4|9|6  
3|6|6|5|3|4|0|0|5|5|1|2|6|8  
5|7|10|7|8|5|0|0|8|6|1|1|1|0  
6|10|3|1|0|10|3|8|11|12|9|10|0|5  
2|2|2|2|0|2|1|0|6|6|3|2|7|7  
4|4|4|4|1|5|1|1|7|7|4|6|3|6  
5|7|3|2|1|7|3|3|7|8|7|8|4|7  
2|3|3|4|0|1|4|6|4|5|5|8|1|0  
1|3|7|5|3|2|3|6|8|7|5|5|0|1  
3|1|3|1|0|3|8|6|8|7|4|5|4|8  
3|3|8|6|6|3|3|5|8|8|4|6|7|8  
3|4|6|8|3|4|4|5|7|6|6|6|2|1  
0|0|5|6|4|0|4|5|6|8|0|0|3|5  
1|2|0|0|0|2|6|5|5|7|1|1|4|3  
3|1|1|1|0|2|5|4|5|5|4|4|3|5  
3|0|2|0|0|1|1|0|10|9|0|3|2|2  
3|1|9|7|6|0|2|1|7|6|2|2|7|5  
0|0|9|8|3|1|1|0|1|1|0|0|5|9  
0|0|10|8|4|0|1|2|5|7|1|2|3|6  
2|0|4|4|2|1|1|0|3|3|2|1|1|1  
3|2|4|1|0|2|0|0|5|5|1|1|4|5  
1|0|4|1|2|2|1|1|3|3|0|0|4|3  
1|0|5|2|0|2|3|0|5|7|1|1|2|1  
2|3|3|1|1|3|4|6|3|4|5|3|2|1  
0|0|1|0|1|0|2|3|4|4|3|1|3|4  
1|1|4|2|1|2|1|1|3|5|3|2|2|2  
5|1|5|3|1|1|1|1|6|6|4|5|4|5  
0|0|3|1|1|1|1|2|2|3|3|1|4|4  
1|0|2|0|0|2|1|4|5|4|3|1|7|3

(A) entire PPIN

2|1|6|6|4|2|0|0|2|2|2|2|1|3  
2|2|4|2|1|1|0|0|6|5|2|3|5|5  
1|1|0|0|0|1|1|3|5|7|1|2|9|6  
0|0|3|0|0|1|4|3|3|7|2|1|3|2  
0|0|1|1|0|0|2|2|2|2|3|3|4|6  
1|0|2|4|2|2|0|0|3|3|2|1|2|3  
2|2|5|5|5|2|0|0|5|7|0|0|9|7  
1|0|2|0|0|0|0|0|7|6|1|1|4|5  
2|1|5|6|2|2|0|0|5|4|1|1|2|1  
2|2|0|0|0|0|3|1|4|3|1|2|5|2  
5|1|6|10|7|2|0|0|1|3|0|0|6|5  
1|0|3|1|1|0|0|0|3|5|2|2|2|2  
4|4|0|0|0|1|2|5|2|6|3|2|0|1  
1|1|1|1|0|2|4|3|3|4|1|2|4|4  
3|1|0|0|0|2|1|0|3|4|0|0|4|4  
4|2|5|3|1|2|1|0|4|7|1|0|3|1  
2|1|2|2|0|2|2|2|4|6|2|2|0|0  
0|0|0|0|0|0|2|2|2|2|2|1|2  
1|0|1|2|1|1|0|0|3|3|2|2|1|1  
0|0|3|4|0|0|0|0|2|2|0|0|4|2  
3|3|0|0|0|0|1|2|3|5|0|0|0|0  
1|0|0|0|0|0|5|2|3|1|2|1|4|1  
0|0|1|0|0|0|2|1|2|3|2|3|2|1  
2|1|3|1|1|1|1|0|3|5|0|0|5|2  
2|1|2|1|1|2|1|1|2|1|3|3|0|0  
0|1|3|5|2|1|0|0|3|5|0|0|0|0  
3|3|0|0|0|1|1|1|2|3|1|2|1|1  
0|0|4|1|1|0|1|0|4|6|2|6|0|0  
0|0|3|1|1|0|0|0|0|0|1|1|5|2  
0|0|0|2|0|1|0|1|1|3|0|0|14|8  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|1|0|0|0|0|0  
0|0|2|1|1|0|1|0|2|2|0|0|0|0  
4|6|5|3|1|2|0|0|8|9|3|4|1|1  
0|0|0|0|0|0|0|0|1|3|1|1|2|1  
0|0|1|1|0|0|0|0|0|0|0|0|0|0  
1|1|1|0|0|1|1|2|1|1|1|0|0|0  
0|0|2|1|0|1|0|0|0|2|4|4|1|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|1|0|0|2|1|0|1|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|0|0|0|0|0|1|2|1|1|1|1  
0|0|1|0|0|0|0|0|0|0|0|0|1|1  
0|0|0|0|0|0|0|0|3|4|0|0|4|3  
0|1|1|1|1|1|0|0|1|1|0|1|0|1  
0|0|0|0|0|0|0|0|0|1|1|0|0|0  
0|0|1|0|0|0|0|0|0|2|0|0|0|0  
0|0|1|1|0|0|1|1|1|1|0|0|0|0  
0|0|0|0|0|0|0|0|1|1|0|0|1|0  
1|0|2|1|0|0|0|0|2|2|2|1|0|0  
1|0|0|0|0|1|0|0|2|2|0|0|2|2

(A) entire PPIN

0|0|0|0|0|0|0|1|1|0|0|0|0|  
0|0|0|0|0|0|0|2|3|2|1|1|0|  
0|0|5|6|1|0|0|0|2|2|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|1|0|  
1|1|1|1|1|1|1|1|3|1|1|1|2|2|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
1|0|0|0|0|0|0|0|0|1|0|0|0|0|  
0|0|1|0|0|0|0|0|0|0|0|0|1|1|  
0|0|0|0|0|0|0|0|0|1|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|1|0|0|0|0|0|1|1|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|1|0|0|1|0|0|1|1|1|1|1|1|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|5|8|0|0|1|0|  
0|0|0|0|0|0|0|0|1|0|0|0|0|  
1|0|0|0|0|0|1|0|1|1|1|0|0|0|  
0|0|0|0|0|0|0|0|1|0|24|25|0|0|  
0|0|0|0|0|0|0|0|1|1|0|0|1|1|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|1|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|1|0|0|1|0|  
0|0|0|0|0|0|0|0|0|0|0|0|2|1|  
0|0|0|0|0|0|0|1|2|1|3|1|0|1|1|  
1|0|1|0|0|0|0|0|1|2|0|0|0|0|  
0|0|1|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|2|1|0|0|2|5|  
0|0|0|0|0|0|0|0|2|2|0|0|0|0|  
0|0|1|1|0|0|1|1|0|0|0|0|0|0|  
0|0|0|0|0|0|0|2|2|0|1|0|0|0|0|  
0|0|0|0|0|0|0|0|3|4|0|0|0|0|  
0|0|0|0|0|0|0|1|0|0|1|0|1|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
1|0|2|0|0|0|0|0|0|0|0|0|1|0|  
0|0|0|0|0|0|0|0|0|1|0|0|1|0|  
0|0|0|0|0|0|0|0|0|1|1|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|1|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|1|0|0|1|1|0|0|2|1|  
0|0|2|1|0|0|0|0|0|0|0|0|0|0|  
2|3|0|0|0|0|1|1|0|2|1|1|0|0|  
0|0|0|0|0|0|0|0|0|2|0|0|0|0|  
0|0|0|0|0|0|0|0|0|1|0|0|0|0|  
0|0|0|0|0|0|0|0|1|1|0|0|0|1|  
0|0|0|0|0|0|0|0|0|0|0|0|1|1|  
0|0|0|0|0|0|0|0|0|1|0|0|0|0|  
0|0|0|0|0|0|0|0|0|1|0|0|0|0|

(A) entire PPIN

0|0|0|1|0|0|1|1|0|0|4|6|1|1  
0|0|0|0|0|0|0|0|0|0|0|0|1|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|1|1  
0|1|0|0|0|0|0|0|1|0|0|0|1|1  
0|0|1|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
1|0|1|0|0|2|0|0|1|1|0|0|0|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
2|0|0|0|0|0|1|1|5|2|0|1|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|1|3|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|1|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|2|24|1|1  
0|0|1|0|0|0|0|0|0|1|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
1|0|0|0|0|0|0|1|2|2|1|1|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|1|0|8|1|0|0|0  
0|0|0|0|0|0|0|1|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|0|0|0|0|0|0|2|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|0|0|0|2|0|1|1|1|1|1|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
1|1|0|0|0|1|0|0|2|1|1|1|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0







(A) entire PPIN

0|0|2|1|1|0|1|0|2|2|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|1|0|0|0|0|0|1|2|1|1|1|1|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|2|2|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|1|0|0|0|0|1|1|2|2|0|0|2|1|  
0|0|2|0|0|0|0|0|0|1|1|1|2|3|  
1|0|0|0|0|0|0|0|3|6|0|1|0|1|  
1|1|1|0|0|1|0|0|1|2|2|1|0|0|  
2|2|2|0|0|2|1|2|1|2|2|2|0|0|  
0|0|3|4|0|0|0|0|2|2|0|0|4|2|  
2|1|1|0|0|1|1|0|1|1|1|0|2|3|  
0|0|0|0|0|0|0|0|2|1|2|4|5|7|  
0|0|3|5|2|0|0|0|1|3|0|0|0|0|  
0|0|6|3|0|0|0|0|0|0|3|10|0|  
0|1|0|0|0|1|0|0|3|3|0|0|2|2|  
19|1|20|3|23|4|24|3|20|8|17|3|22|7|26|3|24|9|25|0|25|7|22|5|21|7|  
22|3|1|4|7|4|7|4|7|25|23|26|44|50|30|37|22|15|  
13|18|15|11|7|18|37|36|33|40|23|28|28|38|  
12|11|12|11|8|19|1|6|46|50|13|12|0|0|  
9|7|15|8|11|10|21|22|30|35|26|26|43|38|  
10|9|9|6|2|13|16|10|15|20|36|36|17|15|  
12|18|29|29|19|17|19|23|30|31|29|27|0|0|  
7|8|9|12|12|7|18|16|33|29|14|14|28|24|  
20|28|32|41|47|26|19|21|63|55|24|27|51|45|  
10|11|13|15|7|11|6|9|23|23|14|11|1|0|  
8|10|7|3|1|9|11|8|19|16|7|5|6|8|  
5|4|8|7|7|4|16|13|21|22|9|12|18|19|  
2|1|13|10|8|5|5|4|1|1|11|9|9|3|2|  
10|9|18|16|7|7|12|12|24|29|6|7|22|22|  
3|3|2|3|1|4|2|3|9|11|5|4|0|0|  
11|12|9|13|10|12|7|10|13|14|10|10|3|1|  
5|9|6|1|1|7|4|8|9|8|2|2|2|5|  
18|26|21|25|9|31|1|2|1|0|3|2|5|6|  
1|5|3|3|1|3|8|6|10|16|3|5|11|11|  
7|1|14|10|1|2|0|0|19|26|8|7|6|3|  
5|7|10|7|8|5|0|0|8|6|1|1|1|0|  
3|4|6|8|3|4|4|5|7|6|6|6|2|1|  
2|3|3|4|0|1|4|6|4|5|5|8|1|0|  
1|3|7|5|3|2|3|6|8|7|5|5|0|1|  
3|1|1|1|0|2|5|4|5|5|4|4|3|5|  
4|4|4|4|1|5|1|1|7|7|4|6|3|6|  
0|0|0|0|0|0|5|6|16|19|0|0|12|23|  
9|7|3|0|1|6|10|14|22|27|17|21|15|20|  
0|0|0|0|0|0|0|0|0|0|2|24|11|  
0|0|0|0|0|0|6|6|7|8|0|1|10|14|  
2|3|3|1|1|3|4|6|3|4|5|3|2|1|  
0|0|1|0|0|0|2|1|5|5|4|4|9|7|  
4|4|0|0|0|1|7|7|8|8|2|3|1|3|

(A) entire PPIN

0|1|2|1|0|0|8|8|4|5|1|3|3|4  
1|1|4|3|1|2|5|6|6|10|2|4|6|5  
2|1|6|4|1|3|4|4|4|10|2|2|3|7  
8|5|1|1|7|0|5|6|5|16|17|4|5|15|11  
1|1|3|5|2|0|9|4|7|10|3|2|4|3  
2|1|2|2|0|2|2|2|4|6|2|2|0|0  
3|3|8|6|6|3|3|5|8|8|4|6|7|8  
3|0|2|0|0|1|1|0|10|9|0|3|2|2  
0|0|1|0|1|0|2|3|4|4|3|1|3|4  
1|2|0|0|0|2|6|5|5|7|1|1|4|3  
1|0|3|0|0|0|2|1|9|9|3|4|3|2  
0|0|0|0|0|0|5|5|4|6|0|0|5|3  
0|0|3|1|1|1|1|2|2|3|3|1|4|4  
2|1|6|6|4|2|0|0|2|2|2|2|1|3  
0|0|0|0|0|0|5|3|4|5|1|1|4|5  
5|1|5|3|1|1|1|1|6|6|4|5|4|5  
0|0|0|0|0|0|4|3|2|3|2|2|1|1  
0|0|1|1|0|0|2|2|2|2|3|3|4|6  
3|3|0|0|0|1|1|1|2|3|1|2|1|1  
1|1|0|0|0|1|2|2|1|2|1|1|2|1  
2|4|9|6|3|4|2|2|10|10|4|4|9|6  
4|4|0|0|0|1|2|5|2|6|3|2|0|1  
0|0|0|0|0|0|2|2|2|2|2|2|1|2  
6|10|3|1|0|10|3|8|1|1|12|9|10|0|5  
1|0|0|0|0|0|5|2|3|1|2|1|4|1  
0|0|9|8|3|1|1|0|1|1|0|0|5|9  
1|0|4|3|0|0|0|1|3|3|0|0|0|0  
1|0|2|4|2|2|0|0|3|3|2|1|2|3  
0|0|2|2|1|1|6|3|2|2|1|1|1|1  
2|1|2|1|1|2|1|1|2|1|3|3|0|0  
2|2|0|0|0|0|3|1|4|3|1|2|5|2  
5|1|6|10|7|2|0|0|1|3|0|0|6|5  
1|1|2|1|1|1|10|9|4|7|2|3|1|1|9  
5|7|3|2|1|7|3|3|7|8|7|8|4|7  
0|0|4|1|1|0|1|0|4|6|2|6|0|0  
4|6|5|3|1|2|0|0|8|9|3|4|1|1  
0|0|0|0|0|0|1|2|4|5|0|2|0|2  
1|2|3|1|0|0|4|5|3|6|3|4|4|3  
0|0|2|0|0|0|0|0|4|7|6|5|0|0  
1|1|4|2|1|2|1|1|3|5|3|2|2|2  
12|0|6|0|0|0|0|0|0|0|1|0|1|2  
0|0|0|0|0|0|1|1|1|4|2|2|3|2  
0|0|1|0|0|0|4|1|2|6|1|1|1|1  
3|1|9|7|6|0|2|1|7|6|2|2|7|5  
3|1|3|1|0|3|8|6|8|7|4|5|4|8  
2|2|4|2|1|1|0|0|6|5|2|3|5|5  
1|0|4|1|2|2|1|1|3|3|0|0|4|3  
0|0|1|0|0|0|0|0|1|1|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
1|1|0|0|0|0|0|0|1|0|1|1|1|1  
1|0|0|0|0|0|1|0|1|1|1|0|0|0

(A) entire PPIN

```

0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|
0|0|0|0|0|0|1|1|1|1|1|1|1|0|0|
1|1|1|0|0|1|1|2|1|1|1|0|0|0|
1|0|0|0|0|0|0|1|1|1|0|0|0|0|
0|0|1|0|0|0|2|1|2|3|2|3|2|1|
0|0|1|1|0|0|0|0|1|1|0|1|3|1|
0|1|1|1|1|1|0|0|1|1|0|1|0|1|
0|0|0|0|0|0|0|0|4|3|1|2|0|0|
1|1|6|0|0|0|1|1|4|5|1|3|2|0|
1|1|0|0|0|1|1|1|1|1|1|1|0|0|
0|0|1|0|0|1|2|2|4|3|2|3|3|3|
2|2|2|2|0|2|1|0|6|6|3|2|7|7|
0|0|1|0|0|0|1|2|3|8|1|0|2|0|
0|0|1|1|0|0|9|5|1|2|0|1|4|4|
0|0|5|6|4|0|4|5|6|8|0|0|3|5|
0|0|0|0|0|0|3|2|1|2|0|0|1|1|
0|0|0|0|0|0|0|0|1|2|0|0|0|0|
1|1|0|0|0|1|1|3|5|7|1|2|9|6|
2|1|5|6|2|2|0|0|5|4|1|1|2|1|
0|0|0|0|0|0|0|0|0|1|0|0|0|0|
1|0|0|0|0|0|2|0|1|1|1|0|0|0|
1|1|1|1|0|2|4|3|3|4|1|2|4|4|
0|0|0|0|0|0|0|0|0|0|0|0|0|0|
2|1|6|5|1|1|0|1|9|1|1|3|1|5|4|
3|3|0|0|0|0|1|2|3|5|0|0|0|0|
0|0|0|0|0|0|0|0|0|0|0|0|0|0|
2|1|1|0|0|1|5|5|5|6|0|0|0|0|
0|0|0|0|0|0|0|0|0|0|0|1|0|0|
1|0|3|1|1|0|0|0|3|5|2|2|2|2|
2|0|1|0|0|1|1|2|6|6|4|4|2|1|
0|0|0|0|0|0|0|0|1|2|0|1|0|0|
0|0|0|0|0|0|0|0|2|5|0|0|0|0|
0|0|0|0|0|0|0|0|0|0|0|0|0|0|
1|0|0|0|0|0|0|0|1|1|0|1|0|0|
0|0|0|0|0|0|4|5|3|3|0|0|2|1|
0|0|0|0|0|0|0|0|0|0|0|0|0|0|
0|0|0|0|0|0|0|0|0|0|0|0|0|0|
0|0|1|0|0|0|0|0|1|1|0|0|0|0|
0|0|0|0|0|0|1|1|5|6|0|0|1|2|
2|1|3|1|1|1|1|0|3|5|0|0|5|2|
1|0|2|0|0|0|0|0|7|6|1|1|4|5|
0|0|1|0|0|0|0|0|0|0|0|0|0|0|
0|0|0|0|0|0|0|0|1|1|0|0|0|0|
0|0|0|0|0|0|0|0|0|0|0|0|0|0|
1|0|0|0|0|1|0|0|0|0|0|0|0|1|
0|0|3|0|0|1|4|3|3|7|2|1|3|2|
0|0|0|0|0|0|0|0|0|0|0|0|0|0|
1|0|0|1|0|0|2|0|2|1|0|1|1|0|
1|1|0|1|1|1|2|1|6|7|0|0|1|0|
0|0|0|0|0|0|0|0|0|0|0|0|0|0|
0|0|0|0|0|0|0|0|0|0|0|0|0|0|

```



(A) entire PPIN

2|1|2|1|0|0|1|1|0|2|2|3|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|2|0|4|3|0|0|0|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|2|2|1|2|2|1|0|0  
0|0|0|0|0|0|0|0|0|1|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|1|1|1|0|0|0|1  
1|0|0|0|0|0|0|0|1|0|0|0|0|1  
0|0|1|1|1|0|0|0|2|3|1|1|1|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|2|1|1|1|0|0|1|0  
0|1|0|0|0|1|0|0|0|1|0|0|0|0  
0|0|3|0|0|0|0|2|1|6|3|3|2|3  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|1|1|0|0|0|1  
0|1|3|5|2|1|0|0|3|5|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|3|4|0|0|1|0|0|0  
3|2|4|1|0|2|0|0|5|5|1|1|4|5  
0|0|0|0|0|0|0|0|0|0|0|0|1|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
3|1|0|0|0|2|1|0|3|4|0|0|4|4  
0|1|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|1|0|1|0|0|0|0|2  
0|0|1|0|0|0|0|0|1|0|0|0|0|0  
0|0|1|0|0|0|0|0|0|2|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|3|1|0|0|1|1|3|2|1|2|2|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|3|2|0|1|0|0|0|0  
0|0|0|0|0|0|0|0|1|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|4|1|0|1|0|2|1|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0







(A) entire PPIN

20|28|32|41|47|26|19|21|63|55|24|27|51|45  
10|9|18|16|7|7|12|12|24|29|6|7|22|22  
10|9|9|6|2|13|16|10|15|20|36|36|17|15  
9|7|15|8|11|10|21|22|30|35|26|26|43|38  
7|8|9|12|12|7|18|16|33|29|14|14|28|24  
5|4|8|7|7|4|16|13|21|22|9|12|18|19  
12|11|12|11|8|19|1|6|46|50|13|12|0|0  
12|18|29|29|19|17|19|23|30|31|29|27|0|0  
10|11|13|15|7|11|6|9|23|23|14|11|1|0  
8|5|11|7|0|5|6|5|16|17|4|5|15|11  
1|1|4|3|1|2|5|6|6|10|2|4|6|5  
2|1|13|10|8|5|5|4|11|11|9|9|3|2  
1|5|3|3|1|3|8|6|10|16|3|5|11|11  
1|1|2|1|1|1|10|9|4|7|2|3|11|9  
11|12|9|13|10|12|7|10|13|14|10|10|3|1  
1|1|3|5|2|0|9|4|7|10|3|2|4|3  
0|0|0|0|0|0|6|6|7|8|0|1|10|14  
2|1|6|4|1|3|4|4|4|10|2|2|3|7  
5|1|6|10|7|2|0|0|1|3|0|0|6|5  
3|6|6|5|3|4|0|0|5|5|1|2|6|8  
0|0|10|8|4|0|1|2|5|7|1|2|3|6  
2|4|9|6|3|4|2|2|10|10|4|4|9|6  
7|1|14|10|1|2|0|0|19|26|8|7|6|3  
3|4|6|8|3|4|4|5|7|6|6|6|2|1  
5|7|10|7|8|5|0|0|8|6|1|1|1|0  
0|0|5|6|4|0|4|5|6|8|0|0|3|5  
8|10|7|3|1|9|11|8|19|16|7|5|6|8  
9|7|3|0|1|6|10|14|22|27|17|21|15|20  
6|10|3|1|0|10|3|8|11|12|9|10|0|5  
4|4|0|0|0|1|7|7|8|8|2|3|1|3  
2|1|6|5|1|1|0|1|9|11|3|1|5|4  
2|1|6|6|4|2|0|0|2|2|2|2|1|3  
0|1|2|1|0|0|8|8|4|5|1|3|3|4  
1|3|7|5|3|2|3|6|8|7|5|5|0|1  
3|3|2|3|1|4|2|3|9|11|5|4|0|0  
2|0|1|0|0|1|1|2|6|6|4|4|2|1  
4|4|4|4|1|5|1|1|7|7|4|6|3|6  
3|1|9|7|6|0|2|1|7|6|2|2|7|5  
3|3|8|6|6|3|3|5|8|8|4|6|7|8  
2|2|2|2|0|2|1|0|6|6|3|2|7|7  
0|0|0|0|0|0|5|3|4|5|1|1|4|5  
3|1|1|1|0|2|5|4|5|5|4|4|3|5  
2|2|5|5|5|2|0|0|5|7|0|0|9|7  
5|1|5|3|1|1|1|1|6|6|4|5|4|5  
1|2|0|0|0|2|6|5|5|7|1|1|4|3  
1|0|4|1|2|2|1|1|3|3|0|0|4|3  
1|0|5|2|0|2|3|0|5|7|1|1|2|1  
3|0|2|0|0|1|1|0|10|9|0|3|2|2  
2|1|3|1|1|1|1|0|3|5|0|0|5|2  
3|2|4|1|0|2|0|0|5|5|1|1|4|5  
0|0|0|0|0|0|0|0|0|0|0|0|0

(A) entire PPIN

0|0|3|1|1|1|1|2|2|3|3|1|4|4  
6|6|2|0|0|3|0|7|4|3|0|0|0|0  
3|1|0|0|0|2|1|0|3|4|0|0|4|4  
2|1|1|0|0|1|5|5|5|6|0|0|0|0  
1|0|2|4|2|2|0|0|3|3|2|1|2|3  
2|3|3|4|0|1|4|6|4|5|5|8|1|0  
0|0|1|0|1|0|2|3|4|4|3|1|3|4  
1|1|1|1|0|2|4|3|3|4|1|2|4|4  
0|0|0|0|0|0|4|3|2|3|2|2|1|1  
5|7|3|2|1|7|3|3|7|8|7|8|4|7  
4|2|5|3|1|2|1|0|4|7|1|0|3|1  
0|0|1|0|0|0|1|2|3|8|1|0|2|0  
0|0|0|0|0|0|1|1|1|4|2|2|3|2  
3|1|3|1|0|3|8|6|8|7|4|5|4|8  
1|0|3|1|1|0|0|0|3|5|2|2|2|2  
0|0|1|0|0|0|2|1|5|5|4|4|9|7  
2|3|3|1|1|3|4|6|3|4|5|3|2|1  
0|0|1|0|0|1|2|2|4|3|2|3|3|3  
0|0|2|2|1|1|6|3|2|2|1|1|1|1  
1|1|4|2|1|2|1|1|3|5|3|2|2|2  
2|2|0|0|0|3|1|4|3|1|2|5|2  
0|0|1|1|0|0|2|2|2|2|3|3|4|6  
5|9|6|1|1|7|4|8|9|8|2|2|2|5  
2|1|2|2|0|2|2|2|4|6|2|2|0|0  
1|2|1|0|0|1|1|1|2|2|0|0|1|3  
2|1|2|1|1|2|1|1|2|1|3|3|0|0  
0|0|3|0|0|1|4|3|3|7|2|1|3|2  
2|2|4|2|1|1|0|0|6|5|2|3|5|5  
3|3|0|0|0|0|1|2|3|5|0|0|0|0  
0|0|0|0|0|0|0|1|0|0|1|0|0  
0|1|0|0|0|0|0|0|1|0|0|0|1|1  
0|0|0|0|0|0|0|0|5|8|0|0|1|0  
0|0|1|0|0|0|1|0|1|2|0|0|0|1  
1|0|0|0|0|0|1|0|1|1|1|0|0|0  
0|0|0|0|0|0|0|0|1|1|0|0|1|1  
0|0|1|1|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|1|1|1|1|1|1|0|0  
0|0|0|0|0|0|1|2|2|4|0|0|1|3  
0|0|0|0|0|0|4|5|3|3|0|0|2|1  
0|1|1|1|1|1|0|0|1|1|0|1|0|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|0|0|0|0|0|1|1|0|0|0|1  
0|0|0|0|0|0|0|0|2|1|2|4|5|7  
0|0|3|5|2|0|0|0|1|3|0|0|0|0  
0|0|0|0|0|0|0|1|1|3|0|0|7|4  
2|1|2|1|0|0|1|1|0|2|2|3|0|0  
0|0|1|0|0|0|0|0|0|1|0|0|0|0  
0|0|5|6|1|0|0|0|2|2|0|0|0|0  
2|1|5|6|2|2|0|0|5|4|1|1|2|1  
0|0|0|0|0|0|0|0|0|0|0|0|1|0  
0|0|2|0|0|0|0|0|3|2|1|1|0|1

(A) entire PPIN

1|0|0|0|0|0|2|0|1|1|1|0|0|0|0  
0|0|0|0|0|0|1|0|0|4|3|0|0|0|0  
1|1|0|1|1|1|2|1|6|7|0|0|1|0  
3|3|0|0|0|1|1|1|2|3|1|2|1|1  
4|4|0|0|0|1|2|5|2|6|3|2|0|1  
1|1|0|0|0|0|0|0|1|0|1|1|1|1  
4|6|5|3|1|2|0|0|8|9|3|4|1|1  
0|0|0|0|0|0|0|0|1|0|24|25|0|0  
0|0|0|0|0|0|1|0|1|1|0|0|1|2  
1|1|1|0|0|1|1|2|1|1|1|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|1|0|0|0|0|0|0|1  
1|0|1|0|0|0|0|0|1|2|0|0|0|0  
0|0|1|0|0|0|2|0|1|1|1|1|1|0  
0|0|1|0|0|0|0|0|1|2|1|1|1|1  
0|0|0|0|0|0|0|0|3|4|0|0|4|3  
0|0|0|0|0|0|0|0|4|3|1|2|0|0  
0|0|0|0|0|0|0|0|0|1|0|0|0|0  
0|0|0|0|0|0|0|0|1|2|0|1|2|3  
0|0|1|0|0|0|0|0|2|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
1|0|2|0|0|0|0|0|7|6|1|1|4|5  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
1|0|2|0|0|0|0|0|0|0|0|0|1|0  
0|0|2|0|0|0|0|0|4|7|6|5|0|0  
0|0|0|0|0|0|0|0|0|1|0|0|1|0  
2|2|2|0|0|2|1|2|1|2|2|2|0|0  
1|1|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|3|1|0|0|0|0|1|0|0|0|0|0  
0|0|0|0|0|0|0|0|1|0|2|0|0|0  
1|0|0|0|0|0|0|0|1|0|0|0|0|1  
0|0|0|0|0|0|1|0|0|0|1|1|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|1|1|0|0|0|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|1|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|2|0|1|0|1|1|3|0|0|14|8  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|1|0|0|0|0|0  
0|0|1|0|0|0|0|0|1|1|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|5|6|16|19|0|0|12|23  
1|0|1|0|0|2|0|0|1|1|0|0|0|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0





(A) entire PPIN

0|0|0|0|0|0|0|0|1|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|1|0|1|1|0|0|0|0|  
2|3|1|0|0|4|0|0|5|4|3|3|1|1|  
2|8|2|3|0|0|2|14|4|2|0|0|0|0|  
0|0|7|3|0|1|0|0|6|13|0|0|0|0|  
3|3|0|0|0|0|1|2|3|5|0|0|0|0|  
0|0|6|1|2|0|0|0|0|0|0|0|0|0|  
0|0|2|1|0|0|0|1|1|1|0|0|2|2|  
0|0|1|0|0|0|0|0|1|0|0|0|0|0|  
6|6|2|0|0|3|0|7|4|3|0|0|0|0|  
0|1|0|0|0|0|0|0|0|1|0|0|0|0|  
1|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|1|0|0|0|0|0|0|2|0|0|0|0|  
0|0|1|0|0|0|0|0|0|2|0|0|0|0|  
0|0|0|0|0|0|0|0|1|1|1|2|0|1|  
1|0|4|3|0|0|0|1|3|3|0|0|0|0|  
0|1|0|0|0|0|0|0|0|1|1|0|0|0|  
1|1|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
1|1|1|0|0|1|0|0|1|2|2|1|0|0|  
2|3|0|0|0|0|1|1|0|2|1|1|0|0|  
0|0|0|0|0|0|1|0|1|0|0|0|0|2|  
0|0|0|1|1|0|0|0|0|0|0|0|0|0|  
1|0|0|0|0|0|0|0|0|1|0|0|0|0|  
0|0|1|0|0|0|4|1|2|6|1|1|1|1|  
1|0|0|1|0|0|2|0|2|1|0|1|1|0|  
0|0|0|0|0|0|0|0|1|4|1|0|2|0|  
0|0|9|8|3|1|1|0|1|1|0|0|5|9|  
0|1|0|0|0|0|1|1|2|2|0|0|2|1|  
0|0|0|0|0|0|0|0|1|2|0|1|0|0|  
0|0|0|0|0|0|0|0|1|0|0|0|0|0|  
0|0|1|0|0|0|0|0|1|0|0|0|0|0|  
0|0|0|0|0|0|0|0|2|5|0|0|0|0|  
0|0|0|0|0|0|0|0|1|3|0|0|0|1|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|2|0|0|0|0|  
0|0|0|0|0|0|0|2|2|0|1|0|0|0|0|  
2|1|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|3|1|0|0|1|1|3|2|1|2|2|1|  
1|0|0|0|0|0|0|1|1|1|0|0|0|0|  
0|0|3|0|0|0|0|2|1|6|3|3|2|3|  
1|1|1|0|0|1|1|2|1|1|1|0|0|0|  
0|0|0|0|0|0|0|0|0|0|1|0|0|0|  
0|0|0|0|0|0|1|1|2|3|0|0|1|1|  
0|0|3|1|0|0|1|1|0|0|1|1|2|8|  
0|0|0|0|0|0|0|0|5|8|0|0|1|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|1|0|0|1|0|1|0|0|  
0|0|0|0|0|0|0|0|1|1|0|0|0|1|  
0|0|0|0|0|0|0|0|0|0|0|0|0|1|



(A) entire PPIN

3|0|2|0|0|1|1|0|10|9|0|3|2|2  
2|1|2|1|0|0|1|1|0|2|2|3|0|0  
0|0|0|0|0|0|0|1|0|2|1|0|2|3  
0|0|1|0|0|1|4|4|5|3|2|4|0|0  
0|0|0|0|0|0|2|0|4|3|0|0|0|1  
0|0|0|0|0|0|3|2|1|2|0|0|1|1  
0|1|0|1|0|1|0|0|0|0|1|2|4|0  
1|1|0|0|0|1|1|1|1|1|1|1|0|0  
0|0|0|0|0|0|4|1|0|1|0|2|1|0  
0|0|5|5|2|0|0|0|4|4|3|1|0|0  
0|0|1|1|1|0|0|0|2|3|1|1|1|0  
0|0|0|0|0|0|0|0|2|2|0|0|0|0  
2|0|1|0|0|1|1|2|6|6|4|4|2|1  
0|1|0|0|0|0|3|2|4|6|1|1|2|1  
0|0|0|0|0|0|0|0|4|3|1|2|0|0  
2|0|4|4|2|1|1|0|3|3|2|1|1|1  
0|0|3|1|1|0|0|0|0|0|1|1|5|2  
2|0|0|0|0|0|1|1|5|2|0|1|0|0  
2|0|1|0|0|1|0|0|1|3|0|0|1|1  
2|2|2|0|0|2|1|2|1|2|2|2|0|0  
0|0|0|0|0|0|5|3|4|5|1|1|4|5  
1|2|1|0|0|1|1|1|2|2|0|0|1|3  
1|0|0|0|0|0|5|2|3|1|2|1|4|1  
0|0|1|0|0|1|0|0|2|3|0|1|4|1  
0|0|0|0|0|0|0|0|0|1|0|0|1|0  
0|0|0|0|0|0|2|1|3|3|0|0|2|1  
19|1|20|3|23|4|24|3|20|8|17|3|22|7|26|3|24|9|25|0|25|7|22|5|21|7  
22|3|1|4|7|4|7|4|7|25|23|26|44|50|30|37|22|15  
20|28|32|41|47|26|19|21|63|55|24|27|51|45  
12|18|29|29|19|17|19|23|30|31|29|27|0|0  
10|9|18|16|7|7|12|12|24|29|6|7|22|22  
12|11|12|11|8|19|1|6|46|50|13|12|0|0  
13|18|15|11|7|18|37|36|33|40|23|28|28|38  
8|10|7|3|1|9|11|8|19|16|7|5|6|8  
7|8|9|12|12|7|18|16|33|29|14|14|28|24  
9|7|3|0|1|6|10|14|22|27|17|21|15|20  
9|7|15|8|11|10|21|22|30|35|26|26|43|38  
10|11|13|15|7|11|6|9|23|23|14|11|1|0  
5|4|8|7|7|4|16|13|21|22|9|12|18|19  
11|12|9|13|10|12|7|10|13|14|10|10|3|1  
7|1|14|10|1|2|0|0|19|26|8|7|6|3  
8|5|1|1|7|0|5|6|5|16|17|4|5|15|11  
10|9|9|6|2|13|16|10|15|20|36|36|17|15  
5|9|6|1|1|7|4|8|9|8|2|2|2|5  
1|1|4|3|1|2|5|6|6|10|2|4|6|5  
3|3|8|6|6|3|3|5|8|8|4|6|7|8  
3|3|2|3|1|4|2|3|9|11|5|4|0|0  
2|1|6|5|1|1|0|1|9|11|3|1|5|4  
1|5|3|3|1|3|8|6|10|16|3|5|11|11  
2|1|13|10|8|5|5|4|1|1|11|9|9|3|2  
5|1|6|10|7|2|0|0|1|3|0|0|6|5



(A) entire PPIN

3|6|6|5|3|4|0|0|5|5|1|2|6|8  
0|0|5|6|4|0|4|5|6|8|0|0|3|5  
0|0|0|0|0|0|6|6|7|8|0|1|10|14  
3|4|6|8|3|4|4|5|7|6|6|6|2|1  
4|4|0|0|0|1|7|7|8|8|2|3|1|3  
2|4|9|6|3|4|2|2|10|10|4|4|9|6  
0|1|2|1|0|0|8|8|4|5|1|3|3|4  
3|1|9|7|6|0|2|1|7|6|2|2|7|5  
2|3|3|4|0|1|4|6|4|5|5|8|1|0  
1|2|0|0|0|2|6|5|5|7|1|1|4|3  
2|2|5|5|5|2|0|0|5|7|0|0|9|7  
2|2|2|2|0|2|1|0|6|6|3|2|7|7  
4|4|4|4|1|5|1|1|7|7|4|6|3|6  
1|1|4|2|1|2|1|1|3|5|3|2|2|2  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
2|1|6|4|1|3|4|4|4|10|2|2|3|7  
3|1|1|1|0|2|5|4|5|5|4|4|3|5  
1|1|3|5|2|0|9|4|7|10|3|2|4|3  
5|7|10|7|8|5|0|0|8|6|1|1|1|0  
2|2|4|2|1|1|0|0|6|5|2|3|5|5  
5|7|3|2|1|7|3|3|7|8|7|8|4|7  
0|0|1|0|0|0|2|1|5|5|4|4|9|7  
1|0|2|0|0|2|1|4|5|4|3|1|7|3  
2|3|3|1|1|3|4|6|3|4|5|3|2|1  
6|10|3|1|0|10|3|8|1|1|12|9|10|0|5  
0|0|1|0|1|0|2|3|4|4|3|1|3|4  
1|3|7|5|3|2|3|6|8|7|5|5|0|1  
1|0|5|2|0|2|3|0|5|7|1|1|2|1  
1|1|0|0|0|1|1|3|5|7|1|2|9|6  
3|2|4|1|0|2|0|0|5|5|1|1|4|5  
0|0|3|1|1|1|1|2|2|3|3|1|4|4  
2|2|0|0|0|0|3|1|4|3|1|2|5|2  
1|0|4|1|2|2|1|1|3|3|0|0|4|3  
2|1|2|2|0|2|2|2|4|6|2|2|0|0  
2|1|6|6|4|2|0|0|2|2|2|2|1|3  
5|1|5|3|1|1|1|1|6|6|4|5|4|5  
3|1|3|1|0|3|8|6|8|7|4|5|4|8  
2|1|1|0|0|1|5|5|5|6|0|0|0|0  
0|0|1|0|0|1|2|2|4|3|2|3|3|3  
2|1|3|1|1|1|1|0|3|5|0|0|5|2  
2|1|2|1|1|2|1|1|2|1|3|3|0|0  
1|1|2|1|1|1|10|9|4|7|2|3|1|9  
1|0|3|1|1|0|0|0|3|5|2|2|2|2  
4|2|5|3|1|2|1|0|4|7|1|0|3|1  
0|0|0|0|0|0|2|2|2|2|2|2|1|2  
1|0|1|2|1|1|0|0|3|3|2|2|1|1  
0|0|1|0|0|0|1|2|3|8|1|0|2|0  
0|0|0|0|0|0|1|1|1|4|2|2|3|2  
3|1|0|0|0|2|1|0|3|4|0|0|4|4  
0|0|1|1|0|0|2|2|2|2|3|3|4|6  
0|0|0|0|0|0|0|0|0|0|0|0|0|0

(A) entire PPIN

1|1|0|0|0|1|2|2|1|2|1|1|2|1  
0|0|0|0|0|0|5|6|16|19|0|0|12|23  
0|0|1|0|8|4|0|1|2|5|7|1|2|3|6  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|1|0|0|9|5|1|2|0|1|4|4  
1|2|3|1|0|0|4|5|3|6|3|4|4|3  
2|1|5|6|2|2|0|0|5|4|1|1|2|1  
0|0|1|0|0|0|0|0|1|1|0|1|0|0  
0|0|1|0|0|0|1|0|1|2|0|0|0|1  
1|1|0|0|0|0|0|0|1|0|1|1|1|1  
0|0|0|0|0|0|0|0|1|1|0|0|1|1  
0|0|1|1|0|0|0|0|0|0|0|0|0|0  
0|0|1|1|0|0|0|0|1|1|0|1|3|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|4|5|3|3|0|0|2|1  
0|1|1|1|1|1|0|0|1|1|0|1|0|1  
0|0|1|1|0|0|1|1|1|1|0|0|0|0  
0|0|1|0|0|0|0|0|1|1|0|0|0|1  
0|0|0|0|0|0|1|1|5|6|0|0|1|2  
1|0|0|1|0|0|0|0|1|3|1|1|1|2  
1|0|2|0|0|0|0|0|0|0|0|0|1|0  
0|0|0|0|0|0|0|0|0|1|1|0|0|0  
0|0|1|0|0|0|0|0|0|0|0|0|0|0  
1|0|0|0|0|1|0|0|0|0|0|0|0|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
1|1|1|1|1|1|1|1|3|1|1|1|2|2  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|1|1|0|0|1|1  
1|1|1|1|0|2|4|3|3|4|1|2|4|4  
0|0|0|0|0|0|1|1|1|1|0|0|0|0  
0|0|1|0|0|0|0|0|0|0|0|0|1|1  
0|0|0|0|0|0|0|0|1|1|0|0|0|1  
0|0|0|0|0|0|0|0|0|1|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|4|1|1|0|1|0|4|6|2|6|0|0  
0|0|0|0|0|0|5|5|4|6|0|0|5|3  
0|0|0|1|1|0|0|0|0|0|0|0|1|0  
0|0|0|0|0|0|0|0|1|2|0|0|0|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|0|0|0|2|1|2|3|2|3|2|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|0|0|0|2|0|1|1|1|1|1|0  
0|0|1|0|0|0|0|0|1|2|1|1|1|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|1|0|0|0|0  
0|0|2|6|0|0|0|0|1|1|0|1|2|1  
0|0|0|0|0|0|0|0|0|1|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|1|1|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
1|0|2|0|0|0|0|0|7|6|1|1|4|5











(A) entire PPIN

9|7|3|0|1|6|10|14|22|27|17|21|15|20  
1|1|4|3|1|2|5|6|6|10|2|4|6|5  
1|1|2|1|1|1|10|9|4|7|2|3|1|1|9  
3|4|6|8|3|4|4|5|7|6|6|6|2|1  
6|10|3|1|0|10|3|8|1|1|12|9|10|0|5  
5|7|10|7|8|5|0|0|8|6|1|1|1|0  
2|1|6|4|1|3|4|4|4|10|2|2|3|7  
1|1|3|5|2|0|9|4|7|10|3|2|4|3  
2|1|13|10|8|5|5|4|1|1|11|9|9|3|2  
3|1|1|1|0|2|5|4|5|5|4|4|3|5  
6|6|2|0|0|3|0|7|4|3|0|0|0|0  
0|1|2|1|0|0|8|8|4|5|1|3|3|4  
0|0|3|0|0|1|4|3|3|7|2|1|3|2  
0|0|1|0|0|0|2|1|5|5|4|4|9|7  
2|1|1|0|0|1|5|5|5|6|0|0|0|0  
2|2|2|2|0|2|1|0|6|6|3|2|7|7  
2|2|0|0|0|0|3|1|4|3|1|2|5|2  
3|1|9|7|6|0|2|1|7|6|2|2|7|5  
4|4|0|0|0|1|2|5|2|6|3|2|0|1  
0|0|3|1|1|1|1|2|2|3|3|1|4|4  
3|3|8|6|6|3|3|5|8|8|4|6|7|8  
2|3|3|1|1|3|4|6|3|4|5|3|2|1  
1|3|7|5|3|2|3|6|8|7|5|5|0|1  
5|1|6|10|7|2|0|0|1|3|0|0|6|5  
1|0|4|1|2|2|1|1|3|3|0|0|4|3  
0|0|10|8|4|0|1|2|5|7|1|2|3|6  
3|3|2|3|1|4|2|3|9|1|1|5|4|0|0  
0|0|1|0|0|1|2|2|4|3|2|3|3|3  
1|2|0|0|0|2|6|5|5|7|1|1|4|3  
2|4|9|6|3|4|2|2|10|10|4|4|9|6  
2|0|1|0|0|1|1|2|6|6|4|4|2|1  
0|0|1|0|0|0|1|2|3|8|1|0|2|0  
1|1|4|2|1|2|1|1|3|5|3|2|2|2  
1|1|0|0|0|1|1|3|5|7|1|2|9|6  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
8|5|1|1|7|0|5|6|5|16|17|4|5|15|11  
0|1|0|0|0|0|3|2|4|6|1|1|2|1  
7|1|14|10|1|2|0|0|19|26|8|7|6|3  
3|6|6|5|3|4|0|0|5|5|1|2|6|8  
1|0|2|0|0|2|1|4|5|4|3|1|7|3  
0|0|0|0|0|0|2|2|2|2|2|2|1|2  
0|0|1|0|1|0|2|3|4|4|3|1|3|4  
0|0|1|0|0|0|4|1|2|6|1|1|1|1  
3|2|4|1|0|2|0|0|5|5|1|1|4|5  
4|6|5|3|1|2|0|0|8|9|3|4|1|1  
4|4|0|0|0|1|7|7|8|8|2|3|1|3  
0|0|0|0|0|0|5|3|4|5|1|1|4|5  
1|2|3|1|0|0|4|5|3|6|3|4|4|3  
1|2|1|0|0|1|1|1|2|2|0|0|1|3  
0|0|0|0|0|0|1|1|1|4|2|2|3|2  
5|1|5|3|1|1|1|1|6|6|4|5|4|5



(A) entire PPIN

2|1|2|1|1|2|1|1|2|1|3|3|0|0  
3|3|0|0|0|0|1|2|3|5|0|0|0|0  
2|2|5|5|5|2|0|0|5|7|0|0|9|7  
2|3|3|4|0|1|4|6|4|5|5|8|1|0  
4|4|4|4|1|5|1|1|7|7|4|6|3|6  
2|2|2|0|0|2|1|2|1|2|2|2|0|0  
3|1|3|1|0|3|8|6|8|7|4|5|4|8  
2|1|6|5|1|1|0|1|9|1|1|3|1|5|4  
1|1|0|0|0|1|2|2|1|2|1|1|2|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
5|7|3|2|1|7|3|3|7|8|7|8|4|7  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|0|0|0|1|0|1|2|0|0|0|1  
1|0|0|0|0|0|1|0|1|1|1|0|0|0  
0|0|0|0|0|0|1|0|1|1|0|0|1|2  
0|0|1|0|0|0|0|0|2|2|1|0|2|2  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
2|1|6|6|4|2|0|0|2|2|2|2|1|3  
0|0|1|0|0|0|0|0|3|3|1|0|0|0  
0|0|1|0|0|0|0|0|1|2|1|1|1|1  
0|1|1|1|1|1|0|0|1|1|0|1|0|1  
1|1|6|0|0|0|1|1|4|5|1|3|2|0  
0|0|0|0|0|0|0|0|7|8|0|0|4|7  
0|0|2|6|0|0|0|0|1|1|0|1|2|1  
1|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
1|0|2|0|0|0|0|0|0|0|0|0|1|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|1|0|0|0|0|1|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
1|1|1|1|0|2|4|3|3|4|1|2|4|4  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|1|0|0|2|2|2|2|3|3|4|6  
1|1|0|1|1|1|2|1|6|7|0|0|1|0  
0|1|0|0|0|0|0|0|1|0|0|0|1|1  
0|0|0|0|0|0|0|0|0|1|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|1|0|0|0|0  
0|0|1|0|0|1|4|4|5|3|2|4|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
2|1|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
2|0|0|0|0|0|1|1|5|2|0|1|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|6|6|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|1|3|0|0|0|1



(A) entire PPIN

0|0|0|0|0|0|0|0|0|1|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|2|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|3|1|0|0|1|1|0|0|1|1|2|8|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
1|0|0|0|0|0|0|1|1|1|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|1|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|1|0|0|0|0|0|  
0|0|0|0|0|0|0|0|1|1|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
3|0|2|0|0|1|1|0|1|0|9|0|3|2|2|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|1|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|1|1|0|0|0|0|0|0|0|1|3|3|  
0|0|0|0|0|0|0|0|2|1|0|0|2|5|  
0|0|1|1|0|0|1|1|0|0|0|0|0|0|  
0|0|1|1|0|0|1|1|1|1|0|0|0|0|  
0|0|0|0|0|0|0|1|4|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|1|1|  
2|1|3|1|1|1|1|0|3|5|0|0|5|2|  
2|1|1|0|0|1|1|0|1|1|1|0|2|3|  
1|0|0|1|0|0|0|0|1|3|1|1|1|2|  
0|0|0|0|0|0|0|0|0|0|1|0|0|0|  
0|0|0|0|0|0|0|0|1|4|1|0|2|0|  
0|0|1|0|0|0|0|0|1|3|0|1|0|0|  
0|0|0|0|0|0|0|0|2|1|2|4|5|7|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|1|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
1|0|2|0|0|0|0|0|7|6|1|1|4|5|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|

(A) entire PPIN

0|0|0|0|0|0|0|0|1|0|0|0|1  
0|0|2|0|0|0|0|0|4|7|6|5|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|1|0|0|0|0|0|0|0|1|1|0|0|0  
2|1|2|1|0|0|1|1|0|2|2|3|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
1|0|0|0|0|0|0|0|1|1|0|0|0|0  
1|1|1|0|0|1|0|0|1|2|2|1|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|2|2|1|2|2|1|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|2|1|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|2|0|0|0|1|1  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|1|0  
0|0|1|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|1|0|0|0|1|1|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|1|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
1|0|3|0|0|0|2|1|9|9|3|4|3|2  
0|0|0|0|0|0|0|0|0|0|0|0|0  
2|2|4|2|1|1|0|0|6|5|2|3|5|5  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
1|0|0|0|0|0|5|2|3|1|2|1|4|1  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
3|1|0|0|0|2|1|0|3|4|0|0|4|4  
0|0|0|0|0|0|0|0|2|3|0|2|1|0  
1|0|0|0|0|0|0|0|0|1|0|0|0|0  
0|0|0|1|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|0|0|0|0|0|0|0|0|0|1|1  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|1|0|0|4|3|0|0|0|0



(A) entire PPIN

0|0|6|0|0|0|0|0|1|0|0|0|0|0|  
0|0|5|6|4|0|4|5|6|8|0|0|3|5|  
0|0|0|0|0|0|1|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|3|2|0|1|0|0|0|0|  
0|0|0|0|0|0|5|5|4|6|0|0|5|3|  
0|0|3|4|0|0|0|0|2|2|0|0|4|2|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|1|0|0|2|2|  
0|0|0|0|0|0|0|0|0|2|0|0|1|1|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|4|5|3|3|0|0|2|1|  
2|0|0|0|0|0|1|1|5|2|0|1|0|0|  
0|0|0|0|0|0|1|1|1|1|1|1|0|0|  
0|0|0|0|0|0|4|3|2|3|2|2|1|1|  
0|0|2|6|0|0|0|0|1|1|0|1|2|1|  
0|0|0|1|1|0|0|0|0|0|0|0|1|0|  
0|0|0|0|0|0|2|1|1|1|0|0|1|0|  
0|0|3|1|0|0|1|1|3|2|1|2|2|1|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|4|1|0|1|0|2|1|0|  
0|1|2|1|0|0|8|8|4|5|1|3|3|4|  
0|0|0|0|0|0|1|2|4|5|0|2|0|2|  
2|2|0|0|0|0|3|1|4|3|1|2|5|2|  
0|0|0|0|0|0|1|1|0|3|1|0|0|2|  
0|0|1|0|0|0|1|2|3|8|1|0|2|0|  
0|0|0|0|0|0|0|0|5|8|0|0|1|0|  
0|0|0|0|0|0|5|3|4|5|1|1|4|5|  
1|0|1|2|1|1|0|0|3|3|2|2|1|1|  
0|0|1|1|0|0|0|0|1|1|0|1|3|1|  
0|0|0|0|0|0|0|0|2|1|0|0|2|5|  
1|1|1|0|0|1|1|2|1|1|1|0|0|0|  
0|0|1|1|1|0|0|0|2|3|1|1|1|0|  
1|1|6|0|0|0|1|1|4|5|1|3|2|0|  
0|1|0|1|0|1|0|0|0|0|1|2|4|0|  
1|1|3|5|2|0|9|4|7|10|3|2|4|3|  
1|0|4|3|0|0|0|1|3|3|0|0|0|0|  
1|1|2|1|1|1|10|9|4|7|2|3|11|9|  
1|1|4|2|1|2|1|1|3|5|3|2|2|2|  
1|0|4|1|2|2|1|1|3|3|0|0|4|3|  
0|0|2|2|1|1|6|3|2|2|1|1|1|1|  
3|1|0|0|0|2|1|0|3|4|0|0|4|4|  
0|0|0|0|0|0|2|1|3|6|0|0|0|1|  
0|0|0|0|0|0|1|1|5|6|0|0|1|2|  
0|0|0|0|0|0|1|2|2|4|0|0|1|3|  
1|0|0|1|0|0|0|0|1|3|1|1|1|2|  
19|1|20|3|23|4|24|3|20|8|17|3|22|7|26|3|24|9|25|0|25|7|22|5|21|7|  
20|28|32|4|1|47|26|19|21|63|55|24|27|51|45|  
22|31|47|47|47|25|23|26|44|50|30|37|22|15|  
9|7|15|8|11|10|21|22|30|35|26|26|43|38|  
13|18|15|11|7|18|37|36|33|40|23|28|28|38|

(A) entire PPIN

7|8|9|12|12|7|18|16|33|29|14|14|28|24  
5|4|8|7|7|4|16|13|21|22|9|12|18|19  
12|18|29|29|19|17|19|23|30|31|29|27|0|0  
10|9|18|16|7|7|12|12|24|29|6|7|22|22  
1|1|4|3|1|2|5|6|6|10|2|4|6|5  
10|9|9|6|2|13|16|10|15|20|36|36|17|15  
1|5|3|3|1|3|8|6|10|16|3|5|11|11  
1|1|12|9|13|10|12|7|10|13|14|10|10|3|1  
3|6|6|5|3|4|0|0|5|5|1|2|6|8  
10|11|13|15|7|11|6|9|23|23|14|11|1|0  
0|0|1|0|0|0|2|1|5|5|4|4|9|7  
8|10|7|3|1|9|11|8|19|16|7|5|6|8  
12|11|12|11|8|19|1|6|46|50|13|12|0|0  
2|2|5|5|5|2|0|0|5|7|0|0|9|7  
5|7|10|7|8|5|0|0|8|6|1|1|1|0  
4|4|0|0|0|1|7|7|8|8|2|3|1|3  
8|5|1|1|7|0|5|6|5|16|17|4|5|15|11  
3|4|6|8|3|4|4|5|7|6|6|6|2|1  
4|4|4|4|1|5|1|1|7|7|4|6|3|6  
3|3|2|3|1|4|2|3|9|11|5|4|0|0  
0|0|1|0|1|0|2|3|4|4|3|1|3|4  
1|2|3|1|0|0|4|5|3|6|3|4|4|3  
3|1|1|1|0|2|5|4|5|5|4|4|3|5  
2|0|1|0|0|1|1|2|6|6|4|4|2|1  
2|1|6|6|4|2|0|0|2|2|2|2|1|3  
1|2|0|0|0|2|6|5|5|7|1|1|4|3  
2|1|13|10|8|5|5|4|1|1|1|9|9|3|2  
5|1|6|10|7|2|0|0|1|3|0|0|6|5  
3|3|8|6|6|3|3|5|8|8|4|6|7|8  
2|1|6|4|1|3|4|4|4|10|2|2|3|7  
2|0|4|4|2|1|1|0|3|3|2|1|1|1  
4|2|5|3|1|2|1|0|4|7|1|0|3|1  
0|0|3|1|1|1|1|2|2|3|3|1|4|4  
6|10|3|1|0|10|3|8|11|12|9|10|0|5  
5|1|5|3|1|1|1|1|6|6|4|5|4|5  
0|0|3|0|0|1|4|3|3|7|2|1|3|2  
3|2|4|1|0|2|0|0|5|5|1|1|4|5  
2|1|6|5|1|1|0|1|9|11|3|1|5|4  
1|3|7|5|3|2|3|6|8|7|5|5|0|1  
2|4|9|6|3|4|2|2|10|10|4|4|9|6  
2|1|3|1|1|1|1|0|3|5|0|0|5|2  
1|0|2|4|2|2|0|0|3|3|2|1|2|3  
0|0|0|0|0|0|2|2|2|2|2|2|1|2  
0|0|3|0|0|0|2|1|6|3|3|2|3  
2|2|4|2|1|1|0|0|6|5|2|3|5|5  
5|7|3|2|1|7|3|3|7|8|7|8|4|7  
2|2|2|2|0|2|1|0|6|6|3|2|7|7  
1|1|1|1|0|2|4|3|3|4|1|2|4|4  
1|0|0|0|0|0|5|2|3|1|2|1|4|1  
1|1|0|1|1|1|2|1|6|7|0|0|1|0  
1|1|0|0|0|1|2|2|1|2|1|1|2|1

(A) entire PPIN

0|0|0|0|0|0|0|6|8|0|0|0|1  
1|0|5|2|0|2|3|0|5|7|1|1|2|1  
0|0|5|5|2|0|0|0|4|4|3|1|0|0  
2|3|3|1|1|3|4|6|3|4|5|3|2|1  
3|1|3|1|0|3|8|6|8|7|4|5|4|8  
0|0|9|8|3|1|1|0|1|1|0|0|5|9  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
7|1|14|10|1|2|0|0|19|26|8|7|6|3  
0|0|2|0|0|0|0|0|2|0|0|0|0|0|0  
5|9|6|1|1|7|4|8|9|8|2|2|2|5  
2|8|2|3|0|0|2|14|4|2|0|0|0|0  
1|0|0|0|0|0|1|0|1|1|1|0|0|0|0  
0|0|0|0|0|0|0|0|1|1|0|0|1|1|1  
0|0|0|0|0|0|1|0|1|1|0|0|1|2  
0|0|3|0|0|0|3|1|2|1|3|1|1|1|1  
0|0|7|3|0|1|0|0|6|13|0|0|0|0|0  
0|1|1|1|1|1|0|0|1|1|0|1|0|1|1  
0|0|1|1|0|0|1|1|1|1|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|2|2|1|2|0|0|1|1|1  
1|2|1|0|0|1|1|1|2|2|0|0|1|3|3  
0|0|5|6|1|0|0|0|2|2|0|0|0|0|0  
1|0|0|0|0|0|0|0|1|0|0|0|0|1|1  
18|26|21|25|9|3|1|1|2|1|0|3|2|5|6  
3|1|9|7|6|0|2|1|7|6|2|2|7|5|5  
1|0|3|0|0|0|2|1|9|9|3|4|3|2|2  
3|3|0|0|0|0|1|2|3|5|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|1|0|0|0|0|0  
0|1|0|0|0|1|0|0|3|3|0|0|2|2|2  
1|0|0|0|0|1|0|0|0|0|0|0|1|1|1  
2|1|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|1|0|0|0|0|0|0|0|3|0|0  
0|0|1|1|0|0|0|0|1|1|0|0|0|0|0  
0|0|0|0|0|0|0|0|1|0|0|0|0|0|0  
0|0|1|0|0|0|1|0|1|2|0|0|0|1|1  
4|6|5|3|1|2|0|0|8|9|3|4|1|1|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|1  
0|0|1|1|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|1|0|0|0  
0|0|3|1|0|0|1|1|0|0|1|1|2|8|8  
0|0|0|0|0|0|0|0|1|0|8|10|0|0|0  
0|0|0|0|0|0|0|0|1|1|0|0|0|0|0  
0|0|0|0|0|0|0|0|3|4|0|0|4|3|3  
1|1|0|0|0|1|1|1|1|1|1|1|0|0|0  
2|1|1|0|0|1|1|0|1|1|1|0|2|3|3  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|2|1|2|3|0|0|1|0|0  
0|0|1|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|1|2|2  
0|0|0|0|0|0|0|0|0|1|1|0|0|0|0  
1|1|0|0|0|0|0|0|0|0|0|0|0|0|0





(A) entire PPIN

0|0|0|0|0|0|0|0|0|0|0|1  
0|0|1|0|0|0|0|0|2|0|0|0|0  
0|0|0|0|0|0|1|0|0|0|0|1|0  
0|0|1|0|0|0|2|0|1|1|1|1|1|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|0|0|0|0|0|1|2|1|1|1|1|1  
0|0|1|0|0|0|0|0|0|0|0|1|1|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|2|2|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|1|2|0|1|2|3  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|1|1|1  
0|0|0|0|0|0|0|0|1|2|0|0|0|0|0  
0|0|0|0|0|0|0|0|1|1|0|0|1|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|2|1|2|4|5|7  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
9|7|3|0|1|6|10|14|22|27|17|21|15|20  
0|0|0|0|0|0|1|1|2|1|0|0|0|0|0

(A) entire PPIN

1|0|1|1|0|0|1|0|1|2|0|0|1|1|  
0|0|1|0|0|0|0|0|0|0|0|0|1|  
0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|3|1|1|0|0|0|0|0|1|1|5|2|  
0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|1|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|1|2|1|1|0|1|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|1|0|0|0|0|0|0|0|0|0|0|0|  
0|0|1|0|0|0|1|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|3|5|2|0|0|0|1|3|0|0|0|0|  
0|0|1|1|0|0|0|0|0|0|0|0|0|0|

(A) entire PPIN

0|0|1|0|0|0|0|0|3|3|1|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|5|6|1|0|0|0|2|2|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|1|0|0|0|0|0|3|2|1|1|0|0|  
0|0|1|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|1|1|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|1|0|2|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|1|2|1|0|0|0|0|0|0|0|0|0|0|  
0|0|1|0|0|0|0|0|1|0|0|0|0|0|0|  
1|0|0|0|0|0|0|0|0|0|1|0|0|0|0|  
0|0|0|0|0|0|0|0|2|3|0|2|1|0|  
0|0|0|1|0|0|0|0|1|3|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|2|2|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|1|0|0|0|0|  
0|0|0|0|0|0|1|1|2|1|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|3|1|0|0|0|0|0|1|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|1|3|5|2|1|0|0|3|5|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|1|0|0|0|0|  
0|0|2|1|0|0|0|1|1|1|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|1|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|1|3|0|0|0|1|  
0|0|0|0|0|0|0|0|1|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|1|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
1|0|2|1|0|0|0|0|2|2|2|1|0|0|  
0|0|0|0|0|0|0|0|0|1|1|0|0|1|0|  
0|0|1|0|0|0|0|0|0|0|1|0|0|0|0|  
0|0|0|0|0|0|0|0|0|1|1|0|0|0|0|  
0|0|0|0|0|0|0|0|2|5|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|3|2|0|1|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|1|0|0|0|0|0|1|2|1|1|1|1|1|  
0|0|1|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|2|3|2|1|1|0|  
0|0|4|1|1|0|1|0|4|6|2|6|0|0|0|  
0|0|0|0|0|0|2|1|2|2|0|0|0|1|  
0|0|0|0|0|0|2|1|1|1|0|0|1|0|  
0|0|0|0|0|0|0|0|2|1|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|1|0|0|





(A) entire PPIN

1|1|0|0|0|1|2|2|1|2|1|1|2|1  
2|1|1|0|0|1|1|0|1|1|1|0|2|3  
1|0|0|0|0|0|0|0|3|6|0|1|0|1  
2|0|0|0|0|0|1|1|5|2|0|1|0|0  
19|1|203|234|243|208|173|227|263|249|250|257|225|21|7  
13|18|15|11|7|18|37|36|33|40|23|28|28|38  
10|9|9|6|2|13|16|10|15|20|36|36|17|15  
20|28|32|41|47|26|19|21|63|55|24|27|51|45  
9|7|15|8|11|10|21|22|30|35|26|26|43|38  
22|31|47|47|47|25|23|26|44|50|30|37|22|15  
7|8|9|12|12|7|18|16|33|29|14|14|28|24  
9|7|3|0|1|6|10|14|22|27|17|21|15|20  
2|4|9|6|3|4|2|2|10|10|4|4|9|6  
8|5|11|7|0|5|6|5|16|17|4|5|15|11  
5|4|8|7|7|4|16|13|21|22|9|12|18|19  
1|5|3|3|1|3|8|6|10|16|3|5|11|11  
10|9|18|16|7|7|12|12|24|29|6|7|22|22  
2|1|6|5|1|1|0|1|9|11|3|1|5|4  
18|26|21|25|9|31|1|2|1|0|3|2|5|6  
3|3|8|6|6|3|3|5|8|8|4|6|7|8  
11|12|9|13|10|12|7|10|13|14|10|10|3|1  
3|6|6|5|3|4|0|0|5|5|1|2|6|8  
1|1|2|1|1|1|10|9|4|7|2|3|11|9  
4|4|0|0|0|1|7|7|8|8|2|3|1|3  
5|9|6|1|1|7|4|8|9|8|2|2|2|5  
4|6|5|3|1|2|0|0|8|9|3|4|1|1  
12|11|12|11|8|19|1|6|46|50|13|12|0|0  
0|1|2|1|0|0|8|8|4|5|1|3|3|4  
3|1|1|1|0|2|5|4|5|5|4|4|3|5  
8|10|7|3|1|9|11|8|19|16|7|5|6|8  
1|1|4|3|1|2|5|6|6|10|2|4|6|5  
6|10|3|1|0|10|3|8|11|12|9|10|0|5  
0|0|1|0|0|0|2|1|5|5|4|4|9|7  
0|0|0|0|0|0|6|6|7|8|0|1|10|14  
4|4|4|4|1|5|1|1|7|7|4|6|3|6  
10|11|13|15|7|11|6|9|23|23|14|11|1|0  
2|2|4|2|1|1|0|0|6|5|2|3|5|5  
3|2|4|1|0|2|0|0|5|5|1|1|4|5  
5|7|3|2|1|7|3|3|7|8|7|8|4|7  
3|4|6|8|3|4|4|5|7|6|6|6|2|1  
0|0|5|6|4|0|4|5|6|8|0|0|3|5  
12|18|29|29|19|17|19|23|30|31|29|27|0|0  
1|2|0|0|0|2|6|5|5|7|1|1|4|3  
1|0|3|0|0|0|2|1|9|9|3|4|3|2  
0|0|9|8|3|1|1|0|1|1|0|0|5|9  
1|0|4|1|2|2|1|1|3|3|0|0|4|3  
0|0|7|3|0|1|0|0|6|13|0|0|0|0  
1|0|5|2|0|2|3|0|5|7|1|1|2|1  
1|0|2|0|0|2|1|4|5|4|3|1|7|3  
0|0|3|1|1|1|1|2|2|3|3|1|4|4  
1|1|0|1|1|1|2|1|6|7|0|0|1|0

(A) entire PPIN

0|0|5|5|2|0|0|0|4|4|3|1|0|0  
1|1|3|5|2|0|9|4|7|10|3|2|4|3  
2|1|1|3|10|8|5|5|4|1|1|1|9|9|3|2  
3|3|0|0|0|1|1|1|2|3|1|2|1|1  
0|0|0|0|0|0|5|5|4|6|0|0|5|3  
2|1|3|1|1|1|1|0|3|5|0|0|5|2  
0|0|0|0|0|0|5|3|4|5|1|1|4|5  
2|2|0|0|0|0|3|1|4|3|1|2|5|2  
2|1|1|0|0|1|5|5|5|6|0|0|0|0  
0|0|1|0|0|0|1|2|3|8|1|0|2|0  
1|1|4|2|1|2|1|1|3|5|3|2|2|2  
2|1|6|4|1|3|4|4|4|10|2|2|3|7  
5|1|5|3|1|1|1|1|6|6|4|5|4|5  
1|0|0|0|0|0|5|2|3|1|2|1|4|1  
0|0|0|0|0|0|4|3|2|3|2|2|1|1  
0|0|1|0|1|0|2|3|4|4|3|1|3|4  
0|0|1|0|0|0|4|1|2|6|1|1|1|1  
0|1|0|0|0|0|3|2|4|6|1|1|2|1  
2|3|1|0|0|4|0|0|5|4|3|3|1|1  
7|1|14|10|1|2|0|0|19|26|8|7|6|3  
0|0|1|0|0|1|2|2|4|3|2|3|3|3  
0|0|2|2|1|1|6|3|2|2|1|1|1|1  
0|0|2|0|0|0|0|0|4|7|6|5|0|0  
0|0|3|0|0|1|4|3|3|7|2|1|3|2  
0|0|1|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
1|1|0|0|0|0|0|0|1|0|1|1|1|1  
0|0|0|0|0|0|1|0|0|0|0|0|0|0  
3|3|2|3|1|4|2|3|9|1|1|5|4|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
2|8|2|3|0|0|2|14|4|2|0|0|0|0  
0|0|0|0|0|0|0|0|1|1|0|0|1|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|1|0|0|0|0|0|0|0|0  
2|3|3|4|0|1|4|6|4|5|5|8|1|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|4|5|3|3|0|0|2|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|1|1|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
2|2|2|2|0|2|1|0|6|6|3|2|7|7  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|1|0|0|0|1  
0|0|0|0|0|0|2|1|3|3|0|0|2|1  
0|0|0|0|0|0|0|0|1|1|0|0|0|0  
12|0|6|0|0|0|0|0|0|0|1|0|1|2  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0















(A) entire PPIN

1|0|0|0|0|0|0|0|0|1|0|0|0|0|  
0|0|1|0|0|0|0|0|0|2|0|0|0|0|  
0|0|3|1|0|0|1|1|0|0|1|1|2|8|  
0|0|1|0|0|0|2|0|1|1|1|1|1|0|  
0|0|1|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|2|1|0|0|  
0|0|0|0|0|0|0|0|0|1|0|0|0|1|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|2|2|0|0|0|0|  
0|0|0|0|0|0|0|0|0|2|0|0|0|0|  
0|0|3|0|0|0|3|1|2|1|3|1|1|1|  
0|0|1|0|0|0|0|0|0|0|0|0|0|0|  
0|0|1|0|0|0|0|0|0|0|0|0|1|1|  
0|0|1|0|0|1|0|0|2|3|0|1|4|1|  
0|0|1|1|0|0|0|0|0|0|0|0|0|0|  
0|0|1|0|0|0|0|0|0|0|0|0|0|0|  
0|0|1|0|0|0|0|0|0|2|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|1|  
0|0|1|1|0|0|0|0|1|2|0|0|0|1|  
0|0|0|0|0|0|0|0|1|2|0|1|2|3|  
0|0|0|0|0|0|0|0|1|0|0|0|0|0|  
1|1|1|0|0|1|1|2|1|1|1|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
3|1|0|0|0|2|1|0|3|4|0|0|4|4|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
1|0|1|0|0|2|0|0|1|1|0|0|0|1|  
0|0|0|0|0|0|0|0|4|3|1|2|0|0|  
0|0|0|0|0|0|0|0|2|5|0|0|0|0|  
0|0|3|0|0|0|0|2|1|6|3|3|2|3|  
0|0|1|0|0|0|1|2|3|8|1|0|2|0|  
1|1|6|0|0|0|1|1|4|5|1|3|2|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|5|5|2|0|0|0|4|4|3|1|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|2|1|2|2|0|0|0|1|  
0|0|1|0|0|1|4|4|5|3|2|4|0|0|  
0|1|0|0|0|1|0|0|3|3|0|0|2|2|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|1|1|0|0|9|5|1|2|0|1|4|4|  
1|0|0|0|0|0|0|0|3|6|0|1|0|1|  
0|0|0|0|0|1|0|0|4|3|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|1|0|0|0|0|0|2|2|1|0|2|2|  
0|0|2|1|1|0|1|0|2|2|0|0|0|0|  
0|0|3|1|0|0|1|1|3|2|1|2|2|1|  
0|0|1|1|1|0|0|0|2|3|1|1|1|0|  
0|0|1|1|0|0|0|0|1|1|0|1|3|1|  
0|0|3|1|1|0|0|0|0|0|1|1|5|2|  
0|0|3|4|0|0|0|0|2|2|0|0|4|2|

(A) entire PPIN

1|1|0|1|1|1|2|1|6|7|0|0|1|0  
4|2|5|3|1|2|1|0|4|7|1|0|3|1  
0|0|0|0|0|0|1|2|4|5|0|2|0|2  
3|3|0|0|0|1|1|1|2|3|1|2|1|1  
5|9|6|1|1|7|4|8|9|8|2|2|2|5  
2|1|6|4|1|3|4|4|4|10|2|2|3|7  
3|0|2|0|0|1|1|0|10|9|0|3|2|2  
3|2|4|1|0|2|0|0|5|5|1|1|4|5  
2|1|2|1|1|2|1|1|2|1|3|3|0|0  
0|1|0|0|0|0|3|2|4|6|1|1|2|1  
0|0|1|0|0|0|2|1|2|3|2|3|2|1  
0|0|2|6|0|0|0|0|1|1|0|1|2|1  
0|0|0|0|0|0|0|0|6|6|0|0|0|0  
19|1|20|3|23|4|24|3|208|173|227|263|249|250|257|225|21|7  
20|28|32|41|47|26|19|21|63|55|24|27|51|45  
22|31|47|47|47|25|23|26|44|50|30|37|22|15  
9|7|15|8|11|10|21|22|30|35|26|26|43|38  
10|9|9|6|2|13|16|10|15|20|36|36|17|15  
10|9|18|16|7|7|12|12|24|29|6|7|22|22  
12|11|12|11|8|19|1|6|46|50|13|12|0|0  
12|18|29|29|19|17|19|23|30|31|29|27|0|0  
7|8|9|12|12|7|18|16|33|29|14|14|28|24  
13|18|15|11|7|18|37|36|33|40|23|28|28|38  
5|4|8|7|7|4|16|13|21|22|9|12|18|19  
10|11|13|15|7|11|6|9|23|23|14|11|1|0  
8|5|11|7|0|5|6|5|16|17|4|5|15|11  
6|10|3|1|0|10|3|8|11|12|9|10|0|5  
7|1|14|10|1|2|0|0|19|26|8|7|6|3  
2|1|13|10|8|5|5|4|1|1|11|9|9|3|2  
1|1|4|3|1|2|5|6|6|10|2|4|6|5  
11|12|9|13|10|12|7|10|13|14|10|10|3|1  
3|1|3|1|0|3|8|6|8|7|4|5|4|8  
2|4|9|6|3|4|2|2|10|10|4|4|9|6  
3|6|6|5|3|4|0|0|5|5|1|2|6|8  
3|3|2|3|1|4|2|3|9|11|5|4|0|0  
1|3|7|5|3|2|3|6|8|7|5|5|0|1  
1|5|3|3|1|3|8|6|10|16|3|5|11|11  
9|7|3|0|1|6|10|14|22|27|17|21|15|20  
2|1|6|5|1|1|0|1|9|11|3|1|5|4  
0|0|10|8|4|0|1|2|5|7|1|2|3|6  
0|0|0|0|0|0|6|6|7|8|0|1|10|14  
4|4|4|4|1|5|1|1|7|7|4|6|3|6  
0|0|5|6|4|0|4|5|6|8|0|0|3|5  
1|1|4|2|1|2|1|1|3|5|3|2|2|2  
5|7|3|2|1|7|3|3|7|8|7|8|4|7  
0|0|1|0|0|0|2|1|5|5|4|4|9|7  
1|0|5|2|0|2|3|0|5|7|1|1|2|1  
1|2|3|1|0|0|4|5|3|6|3|4|4|3  
3|4|6|8|3|4|4|5|7|6|6|6|2|1  
2|2|4|2|1|1|0|0|6|5|2|3|5|5  
0|0|9|8|3|1|1|0|1|1|0|0|5|9



(A) entire PPIN

1|0|2|0|0|0|0|7|6|1|1|4|5  
2|2|5|5|5|2|0|0|5|7|0|0|9|7  
2|0|4|4|2|1|1|0|3|3|2|1|1|1  
2|0|1|0|0|1|1|2|6|6|4|4|2|1  
0|0|0|0|0|0|5|5|4|6|0|0|5|3  
3|3|8|6|6|3|3|5|8|8|4|6|7|8  
2|1|6|6|4|2|0|0|2|2|2|2|1|3  
5|1|6|10|7|2|0|0|1|3|0|0|6|5  
2|3|3|4|0|1|4|6|4|5|5|8|1|0  
4|4|0|0|0|1|7|7|8|8|2|3|1|3  
5|7|10|7|8|5|0|0|8|6|1|1|1|0  
3|1|9|7|6|0|2|1|7|6|2|2|7|5  
3|1|1|1|0|2|5|4|5|5|4|4|3|5  
1|1|1|1|0|2|4|3|3|4|1|2|4|4  
8|10|7|3|1|9|11|8|19|16|7|5|6|8  
0|0|1|0|0|1|2|2|4|3|2|3|3|3  
0|0|2|2|1|1|6|3|2|2|1|1|1|1  
1|1|3|5|2|0|9|4|7|10|3|2|4|3  
1|0|4|1|2|2|1|1|3|3|0|0|4|3  
2|1|1|0|0|1|5|5|5|6|0|0|0|0  
0|0|3|1|1|1|1|2|2|3|3|1|4|4  
0|0|1|0|1|0|2|3|4|4|3|1|3|4  
5|1|5|3|1|1|1|1|6|6|4|5|4|5  
1|2|0|0|0|2|6|5|5|7|1|1|4|3  
0|0|3|0|0|1|4|3|3|7|2|1|3|2  
0|0|0|0|0|0|0|0|0|0|2|24|11  
1|0|0|0|0|0|5|2|3|1|2|1|4|1  
1|0|2|4|2|2|0|0|3|3|2|1|2|3  
2|3|3|1|1|3|4|6|3|4|5|3|2|1  
2|1|3|1|1|1|1|0|3|5|0|0|5|2  
0|1|2|1|0|0|8|8|4|5|1|3|3|4  
0|0|0|0|0|0|5|3|4|5|1|1|4|5  
2|2|2|0|0|2|1|2|1|2|2|2|0|0  
2|1|5|6|2|2|0|0|5|4|1|1|2|1  
0|0|0|2|0|1|0|1|1|3|0|0|14|8  
0|0|0|0|0|0|4|3|2|3|2|2|1|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
1|0|3|1|1|0|0|0|3|5|2|2|2|2  
2|8|2|3|0|0|2|14|4|2|0|0|0|0  
4|6|5|3|1|2|0|0|8|9|3|4|1|1  
0|0|0|0|0|0|4|5|3|3|0|0|2|1  
0|0|0|0|0|0|1|1|1|4|2|2|3|2  
1|1|2|1|1|1|10|9|4|7|2|3|11|9  
1|1|0|0|0|1|2|2|1|2|1|1|2|1  
0|0|0|0|0|0|2|2|2|2|2|2|1|2  
0|0|2|0|0|0|0|0|4|7|6|5|0|0  
0|0|0|0|0|0|0|0|0|1|0|0|1|0  
1|2|1|0|0|1|1|1|2|2|0|0|1|3  
0|0|1|0|0|0|4|1|2|6|1|1|1|1  
3|3|0|0|0|0|1|2|3|5|0|0|0|0  
2|3|1|0|0|4|0|0|5|4|3|3|1|1



(A) entire PPIN

1|0|1|1|0|0|1|0|1|2|0|0|1|1|  
0|0|2|1|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|1|  
0|0|0|0|0|0|0|0|0|0|0|0|1|0|  
0|0|0|0|0|0|1|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|1|0|0|0|0|0|  
3|1|0|0|0|0|3|0|6|9|6|4|1|0|  
0|0|2|0|0|0|0|0|1|1|1|2|3|  
0|1|3|5|2|1|0|0|3|5|0|0|0|0|  
0|0|0|0|0|0|0|0|0|1|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|1|0|0|1|1|  
0|0|0|0|0|0|1|0|1|1|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|1|0|0|0|0|  
0|0|0|1|0|0|1|1|0|0|4|6|1|1|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|1|1|0|0|0|1|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|1|0|0|0|0|0|1|1|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|1|0|0|0|0|0|  
0|0|1|0|0|0|0|0|1|1|0|1|0|0|  
1|0|0|0|0|1|0|0|0|0|0|0|1|1|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|1|0|0|0|0|0|0|0|  
0|0|2|1|0|0|0|1|1|1|0|0|2|2|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|1|1|0|0|0|0|0|0|0|1|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|1|0|0|0|0|1|3|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|1|1|1|0|0|1|1|  
0|0|0|0|0|0|1|0|0|2|0|0|1|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|1|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|1|0|0|1|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
1|0|0|0|0|0|0|1|1|1|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|1|1|1|2|0|1|  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|  
0|0|0|0|0|0|0|1|0|0|0|0|0|





(A) entire PPIN

0|0|0|0|0|0|1|0|0|0|0|0|1  
2|8|2|3|0|0|2|14|4|2|0|0|0  
0|0|1|0|0|0|0|0|1|1|0|0|0  
1|0|3|0|0|0|2|1|9|9|3|4|3|2  
0|0|9|8|3|1|1|0|1|1|0|0|5|9  
1|1|6|0|0|0|1|1|4|5|1|3|2|0  
0|0|2|0|0|0|0|0|1|1|1|2|3  
0|0|0|0|0|0|0|0|0|0|0|2|1  
0|0|0|0|0|0|0|0|3|3|1|0|1|3  
0|0|1|0|0|0|0|0|0|0|0|0|1  
0|0|3|4|0|0|0|0|2|2|0|0|4|2  
0|0|0|0|0|0|0|0|0|1|0|0|0  
0|0|0|0|0|0|0|0|0|2|0|0|0  
0|0|0|0|0|0|0|0|3|4|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0  
0|0|2|6|0|0|0|0|1|1|0|1|2|1  
0|1|0|0|0|0|0|0|1|1|1|0|0|0  
0|0|0|0|0|0|0|0|2|2|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0  
0|0|3|0|0|0|0|2|1|6|3|3|2|3  
0|0|0|0|0|0|1|0|1|1|0|0|1|2  
0|0|2|1|1|0|1|0|2|2|0|0|0  
0|0|1|0|0|0|0|0|3|3|1|0|0|0  
0|0|1|0|0|0|0|0|0|0|0|0|2|0  
0|0|0|0|0|0|0|1|0|2|1|0|2|3  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|1|2  
0|0|0|0|0|0|1|0|0|0|0|0|0  
0|0|0|0|0|1|0|0|1|1|0|0|2|1  
0|0|0|0|0|0|0|0|0|0|0|0|1  
0|0|1|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|1  
0|0|0|0|0|0|0|0|1|2|0|1|2|3  
0|0|0|0|0|0|0|0|1|2|0|1|0|0  
0|0|0|0|0|0|0|0|2|0|0|1|2|1  
0|0|0|0|0|0|0|0|0|0|0|0|0  
2|0|1|0|0|1|0|0|1|3|0|0|1|1  
0|0|2|0|0|0|0|0|3|2|1|1|0|1  
0|0|7|3|0|1|0|0|6|13|0|0|0  
0|0|3|1|1|0|0|0|0|0|1|1|5|2  
0|0|0|0|1|0|0|0|0|0|0|0|3|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
1|1|0|0|0|1|1|3|5|7|1|2|9|6  
1|1|0|0|0|0|0|0|1|0|1|1|1|1  
0|0|1|0|0|1|0|0|2|3|0|1|4|1  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|5|5|2|0|0|0|4|4|3|1|0|0  
2|3|0|0|0|0|1|1|0|2|1|1|0|0  
0|0|1|0|0|0|2|1|2|3|2|3|2|1  
0|0|10|8|4|0|1|2|5|7|1|2|3|6  
1|0|2|0|0|2|1|4|5|4|3|1|7|3

(A) entire PPIN

0|0|1|0|0|0|1|0|1|2|0|0|0|1  
0|0|0|0|0|0|4|1|0|1|0|2|1|0  
0|1|0|0|0|0|3|2|4|6|1|1|2|1  
1|1|0|0|0|1|2|2|1|2|1|1|2|1  
0|0|3|0|0|0|3|1|2|1|3|1|1|1  
0|0|0|0|0|0|1|1|1|4|2|2|3|2  
0|1|0|0|0|0|1|1|2|2|0|0|2|1  
0|0|0|0|0|0|0|0|1|1|0|0|4|4  
3|1|0|0|0|0|3|0|6|9|6|4|1|0  
0|0|3|1|0|0|1|1|3|2|1|2|2|1  
0|0|0|0|0|0|0|0|1|4|1|0|2|0  
1|1|1|0|0|1|0|0|1|2|2|1|0|0  
0|0|0|0|0|0|1|1|2|3|0|0|1|1  
0|0|0|0|0|0|0|0|2|3|2|1|1|0  
2|0|1|0|0|1|1|2|6|6|4|4|2|1  
0|0|0|0|0|0|1|2|4|5|0|2|0|2  
1|2|1|0|0|1|1|1|2|2|0|0|1|3  
3|3|0|0|0|1|1|1|2|3|1|2|1|1  
1|0|0|0|0|0|0|1|1|1|0|0|0|0  
0|0|0|0|0|0|3|2|1|2|0|0|1|1  
0|0|1|1|0|0|0|0|0|0|0|0|0|0  
1|0|0|0|0|0|0|0|3|6|0|1|0|1  
0|0|1|1|1|0|0|0|2|3|1|1|1|0  
0|0|4|1|1|0|1|0|4|6|2|6|0|0  
1|1|4|2|1|2|1|1|3|5|3|2|2|2  
0|0|0|0|0|0|0|0|2|1|2|4|5|7  
1|0|4|3|0|0|0|1|3|3|0|0|0|0  
2|1|1|0|0|1|1|0|1|1|1|0|2|3  
0|0|0|0|0|0|0|0|0|1|0|0|1|0  
19|1|20|3|23|4|24|3|20|8|17|3|22|7|26|3|24|9|25|0|25|7|22|5|21|7  
20|28|32|41|47|26|19|21|63|55|24|27|51|45  
22|31|47|47|47|25|23|26|44|50|30|37|22|15  
10|9|18|16|7|7|12|12|24|29|6|7|22|22  
12|18|29|29|19|17|19|23|30|31|29|27|0|0  
13|18|15|11|7|18|37|36|33|40|23|28|28|38  
7|1|14|10|1|2|0|0|19|26|8|7|6|3  
9|7|15|8|11|10|21|22|30|35|26|26|43|38  
12|11|12|11|8|19|1|6|46|50|13|12|0|0  
8|5|11|7|0|5|6|5|16|17|4|5|15|11  
7|8|9|12|12|7|18|16|33|29|14|14|28|24  
9|7|3|0|1|6|10|14|22|27|17|21|15|20  
10|11|13|15|7|11|6|9|23|23|14|11|1|0  
3|3|8|6|6|3|3|5|8|8|4|6|7|8  
10|9|9|6|2|13|16|10|15|20|36|36|17|15  
11|12|9|13|10|12|7|10|13|14|10|10|3|1  
1|1|4|3|1|2|5|6|6|10|2|4|6|5  
2|1|6|5|1|1|0|1|9|11|3|1|5|4  
5|4|8|7|7|4|16|13|21|22|9|12|18|19  
5|1|6|10|7|2|0|0|1|3|0|0|6|5  
3|1|9|7|6|0|2|1|7|6|2|2|7|5  
3|6|6|5|3|4|0|0|5|5|1|2|6|8

(A) entire PPIN

3|0|2|0|0|1|1|0|10|9|0|3|2|2  
1|5|3|3|1|3|8|6|10|16|3|5|11|11  
0|0|5|6|4|0|4|5|6|8|0|0|3|5  
6|10|3|1|0|10|3|8|11|12|9|10|0|5  
2|4|9|6|3|4|2|2|10|10|4|4|9|6  
2|2|5|5|5|2|0|0|5|7|0|0|9|7  
2|1|6|4|1|3|4|4|4|10|2|2|3|7  
3|1|3|1|0|3|8|6|8|7|4|5|4|8  
8|10|7|3|1|9|11|8|19|16|7|5|6|8  
3|3|2|3|1|4|2|3|9|11|5|4|0|0  
2|1|1|3|10|8|5|5|4|1|1|1|9|9|3|2  
3|1|1|1|0|2|5|4|5|5|4|4|3|5  
3|2|4|1|0|2|0|0|5|5|1|1|4|5  
5|7|10|7|8|5|0|0|8|6|1|1|1|0  
3|4|6|8|3|4|4|5|7|6|6|6|2|1  
6|6|2|0|0|3|0|7|4|3|0|0|0|0  
1|2|3|1|0|0|4|5|3|6|3|4|4|3  
4|4|4|4|1|5|1|1|7|7|4|6|3|6  
5|7|3|2|1|7|3|3|7|8|7|8|4|7  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
2|0|4|4|2|1|1|0|3|3|2|1|1|1  
1|1|1|1|0|2|4|3|3|4|1|2|4|4  
1|3|7|5|3|2|3|6|8|7|5|5|0|1  
1|1|3|5|2|0|9|4|7|10|3|2|4|3  
1|0|4|1|2|2|1|1|3|3|0|0|4|3  
0|0|0|0|0|0|6|6|7|8|0|1|10|14  
4|4|0|0|0|1|7|7|8|8|2|3|1|3  
0|0|1|1|0|0|9|5|1|2|0|1|4|4  
0|0|0|0|0|0|5|3|4|5|1|1|4|5  
4|2|5|3|1|2|1|0|4|7|1|0|3|1  
1|0|5|2|0|2|3|0|5|7|1|1|2|1  
1|0|0|0|0|0|5|2|3|1|2|1|4|1  
3|1|0|0|0|2|1|0|3|4|0|0|4|4  
1|0|3|1|1|0|0|0|3|5|2|2|2|2  
0|0|0|0|0|0|0|0|0|0|2|24|11  
0|0|1|0|1|0|2|3|4|4|3|1|3|4  
5|1|5|3|1|1|1|1|6|6|4|5|4|5  
5|9|6|1|1|7|4|8|9|8|2|2|2|5  
0|0|1|0|0|0|2|1|5|5|4|4|9|7  
1|0|1|2|1|1|0|0|3|3|2|2|1|1  
2|1|3|1|1|1|1|0|3|5|0|0|5|2  
0|1|2|1|0|0|8|8|4|5|1|3|3|4  
1|2|0|0|0|2|6|5|5|7|1|1|4|3  
0|0|3|0|0|1|4|3|3|7|2|1|3|2  
0|0|0|2|0|1|0|1|1|3|0|0|14|8  
2|1|1|0|0|1|5|5|5|6|0|0|0|0  
0|0|3|1|1|1|1|2|2|3|3|1|4|4  
0|0|0|0|0|2|2|2|2|2|2|1|2  
2|2|2|2|0|2|1|0|6|6|3|2|7|7  
1|1|2|1|1|1|1|10|9|4|7|2|3|11|9  
0|0|1|0|0|1|4|4|5|3|2|4|0|0



(A) entire PPIN

2|1|6|6|4|2|0|0|2|2|2|2|1|3  
0|0|2|0|0|0|0|0|4|7|6|5|0|0  
0|0|1|0|0|0|4|1|2|6|1|1|1|1  
2|2|4|2|1|1|0|0|6|5|2|3|5|5  
1|1|0|1|1|1|2|1|6|7|0|0|1|0  
0|0|0|0|0|0|4|3|2|3|2|2|1|1  
1|0|2|4|2|2|0|0|3|3|2|1|2|3  
2|3|3|1|1|3|4|6|3|4|5|3|2|1  
0|0|1|0|0|1|2|2|4|3|2|3|3|3  
1|0|2|0|0|0|0|0|7|6|1|1|4|5  
0|1|0|0|0|1|0|0|3|3|0|0|2|2  
4|6|5|3|1|2|0|0|8|9|3|4|1|1  
0|0|1|0|0|0|0|0|0|1|0|0|0|0  
1|0|0|0|0|0|1|0|1|1|1|0|0|0  
0|0|0|0|0|0|0|0|6|8|0|0|0|1  
0|0|2|1|0|1|0|0|0|2|4|4|1|0  
0|0|1|0|0|0|0|0|2|2|1|0|2|2  
0|0|1|1|0|0|0|0|1|1|0|1|3|1  
0|0|0|0|0|0|0|0|1|1|0|0|0|0  
0|0|1|0|0|0|2|0|1|1|1|1|1|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|1|1|1|1|1|0|0|1|1|0|1|0|1  
1|1|0|0|0|1|1|1|1|1|1|1|0|0  
0|0|1|1|0|0|1|1|1|1|0|0|0|0  
18|26|21|25|9|31|1|2|1|0|3|2|5|6  
0|0|0|0|0|0|0|0|1|1|0|0|0|1  
1|0|0|0|0|0|2|0|1|1|1|0|0|0  
2|2|0|0|0|0|3|1|4|3|1|2|5|2  
0|0|0|0|0|0|0|0|0|1|0|0|0|0  
0|0|0|0|0|0|1|0|1|0|0|0|0|2  
1|0|0|0|1|1|0|0|0|1|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|1|0|0|0|0|0|0|1|0|0|0|1|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|0|0|1|0|0|1|1|1|1|1|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|1|0|0|0|0  
0|0|1|1|0|0|0|0|1|2|0|0|0|1  
2|1|0|0|0|0|0|0|0|0|0|0|0|0  
4|4|0|0|0|1|2|5|2|6|3|2|0|1  
0|0|2|0|0|0|0|0|2|0|0|0|0|0  
0|0|2|1|0|0|0|1|1|1|0|0|2|2  
0|0|0|0|0|0|5|5|4|6|0|0|5|3  
0|0|0|1|1|0|0|0|0|0|0|0|1|0  
0|0|0|0|0|0|1|0|0|0|0|0|1|0  
0|0|0|0|0|0|0|0|1|1|0|0|1|1  
0|0|1|1|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
2|3|3|4|0|1|4|6|4|5|5|8|1|0  
1|0|0|0|0|0|0|0|1|1|0|1|0|0



(A) entire PPIN

0|0|0|0|0|0|0|0|0|0|0|0|0|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|1|0|0|2|0|0|1|0  
0|0|0|0|0|0|0|1|2|0|0|0|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
1|1|1|0|0|1|1|2|1|1|1|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
2|1|2|2|0|2|2|2|4|6|2|2|0|0  
0|0|0|0|0|0|1|2|2|4|0|0|1|3  
0|0|0|0|0|0|0|1|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|4|5|3|3|0|0|2|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|2|2|0|0|0|0  
0|0|0|0|0|0|0|0|2|1|0|0|2|5  
0|0|1|0|0|0|0|0|0|2|0|0|0|0  
0|0|1|1|0|0|1|1|0|0|0|0|0|0  
0|0|1|0|0|0|0|0|1|1|0|0|0|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|1|1|0|0|1|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|1|1|0|0|0|0|0|0  
0|0|1|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|1|0|0|0|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|1|1|3|0|0|7|4  
0|0|0|0|0|0|0|0|1|0|0|0|1  
0|0|1|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|1|0|0|0|0|0|0|0|1|1|0|0|0



(A) entire PPIN

0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|
0|0|1|0|0|0|0|0|3|3|1|0|0|0|
0|0|1|0|0|0|0|0|1|2|1|1|1|1|
0|0|0|0|0|0|0|0|2|3|0|2|1|0|
0|0|1|1|0|0|9|5|1|2|0|1|4|4|
0|0|0|0|0|0|0|0|1|2|0|0|0|0|
0|0|0|0|0|0|2|1|2|2|0|0|0|1|
0|0|0|0|0|0|0|0|0|0|0|0|0|0|
0|0|0|0|0|0|0|0|0|0|0|0|0|0|
0|0|3|5|2|0|0|0|1|3|0|0|0|0|
0|0|0|0|0|0|0|0|0|0|0|0|0|0|
0|0|0|0|0|0|0|0|2|0|0|0|1|1|
0|0|0|0|0|0|0|0|2|5|0|0|0|0|
0|1|0|0|0|0|0|0|1|1|1|0|0|0|
0|1|0|0|0|0|0|0|1|0|0|0|1|1|
0|0|0|0|0|0|0|1|1|0|3|1|0|0|2|
0|0|0|0|0|0|0|0|0|0|0|0|0|0|
0|0|1|0|0|0|0|0|2|0|0|0|0|
0|0|0|0|0|0|0|0|0|1|0|0|0|1|
0|0|0|0|0|0|0|0|6|8|0|0|0|1|
0|0|0|0|0|0|3|2|1|2|0|0|1|1|
0|0|1|0|0|0|0|0|0|0|0|0|0|
0|0|0|0|0|0|0|0|2|3|2|1|1|0|
0|0|0|0|0|0|2|1|2|3|0|0|1|0|
0|0|0|0|0|0|1|1|1|1|1|1|0|0|
0|0|0|0|0|0|0|0|1|2|0|1|0|0|
0|0|0|0|0|0|1|0|0|1|0|1|0|0|
2|8|2|3|0|0|2|14|4|2|0|0|0|0|
0|0|0|0|0|0|0|0|1|1|1|2|0|1|
0|0|0|0|0|0|0|0|2|0|0|0|0|
6|6|2|0|0|3|0|7|4|3|0|0|0|0|
6|10|3|1|0|10|3|8|1|1|12|9|10|0|5|
0|0|0|0|0|0|1|0|0|0|0|0|1|0|
0|0|0|0|0|0|2|0|4|3|0|0|0|1|
0|0|0|0|0|0|0|0|0|1|0|0|0|0|
0|0|0|1|1|0|0|0|0|0|0|0|1|0|
0|0|0|0|0|0|0|0|0|0|0|0|0|0|
0|0|0|0|0|0|0|0|0|0|0|0|0|0|
0|0|0|0|0|0|0|0|0|0|0|0|0|0|
0|0|0|0|0|0|1|1|1|0|0|0|1|
0|0|0|0|0|0|0|0|0|0|0|0|1|1|
1|1|0|0|0|0|0|0|1|0|1|1|1|1|
0|0|0|0|0|0|0|0|0|0|0|0|0|0|
0|0|0|0|0|0|2|1|3|6|0|0|0|1|
0|0|0|0|0|0|0|0|1|1|0|0|0|0|
0|0|0|0|0|0|0|2|1|2|4|5|7|
0|0|0|0|0|0|0|0|0|0|0|0|0|0|
0|0|0|0|0|0|4|1|0|1|0|2|1|0|
0|0|7|3|0|1|0|0|6|13|0|0|0|0|
0|0|0|0|0|0|0|0|0|0|0|0|0|0|
0|0|0|0|0|0|0|0|1|3|0|0|0|1|

(A) entire PPIN

0|0|3|1|0|0|0|0|0|1|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|1|0|0|2|2  
0|0|0|0|0|0|1|1|1|1|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|1|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|1|0|0|0|0|0|0  
0|0|0|0|0|0|1|1|2|3|0|0|1|1|1  
0|0|1|2|1|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|2|1|1|1|0|0|1|1|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|2|1|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|1|1|2|1|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|1|0|0|0|0|0  
0|0|1|0|0|0|0|0|1|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|1|2|2|4|0|0|1|1|3  
0|0|2|0|0|0|0|0|0|1|1|1|2|3|3  
0|0|0|0|0|0|3|2|0|1|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|1|0|0|0|0|0|0|0|3|0|0|0  
0|0|1|1|0|0|0|0|1|1|0|1|3|1|1|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|1|2|4|5|0|2|0|2|2|2  
0|0|0|0|0|0|1|1|5|6|0|0|1|1|2|2  
0|0|0|0|0|0|0|2|0|0|3|3|0|0|0|0  
0|1|0|1|0|1|0|0|0|0|1|2|4|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|2|2|1|2|2|1|0|0|0|0  
1|1|1|0|0|1|1|2|1|1|1|0|0|0|0|0  
0|0|0|0|0|0|0|0|1|1|0|0|4|4|4|4  
0|0|2|1|1|0|1|0|2|2|0|0|0|0|0|0  
0|0|1|0|0|0|0|0|3|2|1|1|0|0|0|0  
1|0|0|0|0|0|0|1|1|1|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|4|3|2|3|2|2|1|1|1|1  
0|1|0|0|0|1|0|0|3|3|0|0|2|2|2|2  
2|3|0|0|0|0|1|1|0|2|1|1|0|0|0|0  
3|3|0|0|0|1|1|1|2|3|1|2|1|1|1|1  
2|2|0|0|0|0|3|1|4|3|1|2|5|2|2|2  
0|0|3|1|1|1|1|2|2|3|3|1|4|4|4|4  
0|0|0|0|0|0|4|5|3|3|0|0|2|1|1|1  
0|0|1|0|0|0|1|2|3|8|1|0|2|0|0|0|0  
0|0|3|4|0|0|0|0|2|2|0|0|4|2|2|2  
0|0|3|1|0|0|1|1|3|2|1|2|2|1|1|1  
1|0|2|1|0|0|0|0|2|2|2|1|0|0|0|0  
0|0|3|1|1|0|0|0|0|0|1|1|5|2|2|2  
0|0|0|0|0|0|0|0|5|8|0|0|1|1|0|0  
191|203|234|243|208|173|227|263|249|250|257|225|21|7  
13|18|15|11|7|18|37|36|33|40|23|28|28|38

(A) entire PPIN

10|9|9|6|2|13|16|10|15|20|36|36|17|15  
7|8|9|12|12|7|18|16|33|29|14|14|28|24  
9|7|15|8|11|10|21|22|30|35|26|26|43|38  
22|31|47|47|47|25|23|26|44|50|30|37|22|15  
20|28|32|41|47|26|19|21|63|55|24|27|51|45  
12|11|12|11|8|19|1|6|46|50|13|12|0|0  
5|4|8|7|7|4|16|13|21|22|9|12|18|19  
12|18|29|29|19|17|19|23|30|31|29|27|0|0  
10|11|13|15|7|11|6|9|23|23|14|11|1|0  
9|7|3|0|1|6|10|14|22|27|17|21|15|20  
1|5|3|3|1|3|8|6|10|16|3|5|11|11  
10|9|18|16|7|7|12|12|24|29|6|7|22|22  
5|9|6|1|1|7|4|8|9|8|2|2|2|5  
18|26|21|25|9|31|1|2|1|0|3|2|5|6  
8|10|7|3|1|9|11|8|19|16|7|5|6|8  
3|1|9|7|6|0|2|1|7|6|2|2|7|5  
1|1|2|1|1|1|10|9|4|7|2|3|11|9  
11|12|9|13|10|12|7|10|13|14|10|10|3|1  
5|7|10|7|8|5|0|0|8|6|1|1|1|0  
8|5|11|7|0|5|6|5|16|17|4|5|15|11  
3|3|8|6|6|3|3|5|8|8|4|6|7|8  
1|1|4|3|1|2|5|6|6|10|2|4|6|5  
4|4|0|0|0|1|7|7|8|8|2|3|1|3  
2|1|13|10|8|5|5|4|11|11|9|9|3|2  
0|0|9|8|3|1|1|0|1|1|0|0|5|9  
0|0|0|0|0|6|6|7|8|0|1|10|14  
1|2|0|0|0|2|6|5|5|7|1|1|4|3  
1|2|3|1|0|0|4|5|3|6|3|4|4|3  
5|1|6|10|7|2|0|0|1|3|0|0|6|5  
4|4|4|4|1|5|1|1|7|7|4|6|3|6  
0|1|2|1|0|0|8|8|4|5|1|3|3|4  
0|0|5|6|4|0|4|5|6|8|0|0|3|5  
7|1|14|10|1|2|0|0|19|26|8|7|6|3  
3|4|6|8|3|4|4|5|7|6|6|6|2|1  
3|1|1|1|0|2|5|4|5|5|4|4|3|5  
2|1|6|5|1|1|0|1|9|11|3|1|5|4  
3|3|2|3|1|4|2|3|9|11|5|4|0|0  
0|0|1|0|0|0|2|1|5|5|4|4|9|7  
2|0|1|0|0|1|1|2|6|6|4|4|2|1  
0|0|0|0|0|5|3|4|5|1|1|4|5  
1|3|7|5|3|2|3|6|8|7|5|5|0|1  
4|6|5|3|1|2|0|0|8|9|3|4|1|1  
2|3|3|4|0|1|4|6|4|5|5|8|1|0  
0|0|1|0|0|1|4|4|5|3|2|4|0|0  
1|0|4|1|2|2|1|1|3|3|0|0|4|3  
2|4|9|6|3|4|2|2|10|10|4|4|9|6  
0|0|10|8|4|0|1|2|5|7|1|2|3|6  
0|0|4|1|1|0|1|0|4|6|2|6|0|0  
0|0|1|0|1|0|2|3|4|4|3|1|3|4  
0|0|2|2|1|1|6|3|2|2|1|1|1|1  
4|4|0|0|0|1|2|5|2|6|3|2|0|1

(A) entire PPIN

0|0|0|0|0|5|5|4|6|0|0|5|3  
2|3|3|1|1|3|4|6|3|4|5|3|2|1  
2|1|6|4|1|3|4|4|4|10|2|2|3|7  
3|2|4|1|0|2|0|0|5|5|1|1|4|5  
1|1|3|5|2|0|9|4|7|10|3|2|4|3  
2|1|6|6|4|2|0|0|2|2|2|2|1|3  
0|0|1|0|0|1|2|2|4|3|2|3|3|3  
2|1|5|6|2|2|0|0|5|4|1|1|2|1  
1|0|3|0|0|0|2|1|9|9|3|4|3|2  
0|1|0|0|0|0|3|2|4|6|1|1|2|1  
0|0|0|0|0|0|2|2|2|2|2|2|1|2  
2|2|2|2|0|2|1|0|6|6|3|2|7|7  
1|1|4|2|1|2|1|1|3|5|3|2|2|2  
0|0|1|0|0|0|4|1|2|6|1|1|1|1  
1|1|0|0|0|1|1|3|5|7|1|2|9|6  
1|1|1|1|0|2|4|3|3|4|1|2|4|4  
3|1|0|0|0|2|1|0|3|4|0|0|4|4  
2|1|1|0|0|1|5|5|5|6|0|0|0|0  
5|7|3|2|1|7|3|3|7|8|7|8|4|7  
1|0|3|1|1|0|0|0|3|5|2|2|2|2  
1|0|2|4|2|2|0|0|3|3|2|1|2|3  
2|1|2|2|0|2|2|2|4|6|2|2|0|0  
1|1|6|0|0|0|1|1|4|5|1|3|2|0  
2|1|3|1|1|1|1|0|3|5|0|0|5|2  
5|1|5|3|1|1|1|1|6|6|4|5|4|5  
3|1|3|1|0|3|8|6|8|7|4|5|4|8  
0|1|3|5|2|1|0|0|3|5|0|0|0|0  
0|0|1|1|0|0|2|2|2|2|3|3|4|6  
0|0|3|0|0|0|3|1|2|1|3|1|1|1  
3|0|2|0|0|1|1|0|10|9|0|3|2|2  
1|2|1|0|0|1|1|1|2|2|0|0|1|3  
0|0|5|6|1|0|0|0|2|2|0|0|0|0  
2|2|4|2|1|1|0|0|6|5|2|3|5|5  
1|0|0|0|0|0|5|2|3|1|2|1|4|1  
1|0|4|3|0|0|0|1|3|3|0|0|0|0  
1|1|0|1|1|1|2|1|6|7|0|0|1|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
1|1|0|0|0|1|2|2|1|2|1|1|2|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
2|1|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|1|1|0|0|1|1  
4|2|5|3|1|2|1|0|4|7|1|0|3|1  
0|0|0|0|0|0|0|0|0|2|0|0|0|0  
1|0|5|2|0|2|3|0|5|7|1|1|2|1  
0|0|0|0|0|0|0|0|0|1|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
1|0|2|0|0|2|1|4|5|4|3|1|7|3  
0|0|0|0|0|0|0|0|3|4|0|0|4|3  
0|1|1|1|1|1|0|0|1|1|0|1|0|1  
0|0|1|0|0|0|0|0|0|0|0|0|0|0



(A) entire PPIN

1|0|1|2|1|1|0|0|3|3|2|2|1|1  
0|0|0|0|0|0|0|0|2|2|0|0|0|0  
0|0|0|0|0|0|2|2|0|1|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|1|2  
0|0|0|0|0|0|0|0|1|0|2|0|0|0  
2|1|2|1|1|2|1|1|2|1|3|3|0|0  
2|0|4|4|2|1|1|0|3|3|2|1|1|1  
0|0|0|0|0|0|0|0|0|0|0|0|1|1  
0|0|0|0|0|0|0|0|1|1|0|0|1|1  
0|0|0|0|0|0|0|0|2|2|0|0|0|0  
0|0|0|0|0|0|0|0|1|1|0|0|0|0  
0|0|1|0|0|0|0|0|0|0|0|0|1|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|2|24|11  
0|0|0|0|0|0|0|0|6|6|0|0|0|0  
1|0|0|0|0|0|1|0|1|1|1|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|2|1|0|0|0|1|1|1|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|1|0|0|0|1|0|0|0|0  
0|0|1|0|0|0|2|1|2|3|2|3|2|1  
3|6|6|5|3|4|0|0|5|5|1|2|6|8  
0|0|5|5|2|0|0|0|4|4|3|1|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
1|1|0|0|0|1|1|1|1|1|1|1|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|1|2|2|2  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|1|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|1|0|2|1|0|2|3  
1|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|1|0|0  
1|0|2|0|0|0|0|0|0|0|0|0|1|0  
0|0|2|0|0|0|0|0|4|7|6|5|0|0  
0|0|0|0|0|0|2|2|1|2|0|0|1|1  
1|1|1|0|0|1|0|0|1|2|2|1|0|0  
0|0|0|0|0|0|0|0|1|0|0|0|0  
0|0|0|0|0|0|0|0|1|1|0|0|0|0  
0|0|0|0|0|0|1|0|0|1|0|0|0|0  
0|0|0|0|0|0|0|0|3|3|1|0|1|3  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|1|1|1|1  
0|0|1|1|1|0|0|0|2|3|1|1|1|0  
0|0|0|0|0|0|1|0|0|0|1|1|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|1|0  
0|0|3|0|0|1|4|3|3|7|2|1|3|2  
0|0|3|0|0|0|2|1|6|3|3|2|3

(A) entire PPIN

1|0|0|0|0|2|0|1|1|1|0|0|0|0  
0|0|0|0|0|0|0|0|1|1|0|0|0|0  
3|3|0|0|0|0|1|2|3|5|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
1|0|0|0|0|0|0|0|0|1|0|0|0|0  
0|0|1|0|0|0|0|0|0|0|0|0|0|0  
1|0|0|1|0|0|2|0|2|1|0|1|1|0  
0|0|0|0|0|0|0|0|1|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|1|2  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|1|1  
0|0|0|0|0|0|1|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|1|1|0|0|0|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|1|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|1|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|0|0|0|0|1|2|0|0|0|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|1|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|1|0|0|0|0|1|3|0|0|0|0  
1|0|0|0|0|0|0|1|2|2|1|1|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|1|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|1|0|0|2|0|0|1|0  
0|0|0|0|0|0|0|0|0|0|0|0|6|4  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|1|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|0|0|0|0|0|0|0|0|2|0  
0|0|0|0|0|0|0|0|1|0|0|0|0|0  
0|0|3|1|0|0|1|1|0|0|1|1|2|8  
0|0|0|0|0|0|0|0|0|0|0|2|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0







(A) entire PPIN

0|0|2|0|0|0|0|0|1|1|1|2|3  
0|0|0|0|0|0|0|0|1|0|0|0|0  
0|0|0|0|0|0|0|2|3|2|1|1|0  
0|0|0|0|0|0|0|0|2|0|0|0|0  
0|0|0|0|0|0|0|1|0|0|0|0|0  
0|0|1|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|4|3|1|2|0|0  
1|2|3|1|0|0|4|5|3|6|3|4|4|3  
0|0|0|0|0|0|0|0|0|0|0|1|1  
0|0|0|0|0|0|0|3|3|0|0|0|0  
0|0|0|0|0|0|0|1|1|0|0|0|0  
0|0|0|0|0|0|0|1|1|1|2|0|1  
0|0|0|0|0|0|0|0|0|0|2|1|0|0  
0|0|1|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|1|0|0|0|1  
2|0|1|0|0|1|0|0|1|3|0|0|1|1  
0|0|0|0|0|0|0|0|1|1|0|0|0|0  
0|1|0|0|0|0|0|0|1|1|1|0|0|0  
0|0|0|0|0|0|0|1|1|1|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|2|1  
0|0|1|0|0|0|0|0|1|3|0|1|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|0|0|0|0|0|3|3|1|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|1|1|0|0  
4|2|5|3|1|2|1|0|4|7|1|0|3|1  
1|0|0|0|0|0|0|0|3|6|0|1|0|1  
0|0|0|0|0|0|0|0|1|1|0|1|1|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|0|0|0|0|0|0|2|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|1|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|1|0|0|0|0|0  
0|0|2|0|0|0|0|0|3|2|1|1|0|1  
2|0|1|0|0|1|1|2|6|6|4|4|2|1  
0|0|1|0|0|1|4|4|5|3|2|4|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
1|0|2|0|0|2|1|4|5|4|3|1|7|3  
1|0|0|0|0|1|0|0|2|2|0|0|2|2  
0|0|0|0|0|0|0|0|2|2|0|0|0|0  
2|1|3|1|1|1|1|0|3|5|0|0|5|2  
0|0|1|0|0|0|0|0|1|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|1|1|1|1  
1|0|0|0|1|1|0|0|0|1|0|0|0|0  
0|0|0|0|0|0|0|0|0|1|0|0|0|0  
0|0|1|1|0|0|0|0|1|1|0|1|3|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|2|1|1|1|0|0|1|0  
1|1|0|0|0|1|0|0|2|1|1|1|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0



(A) entire PPIN

191|203|234|243|208|173|227|263|249|250|257|225|21|7  
22|31|47|47|47|25|23|26|44|50|30|37|22|15  
12|11|12|11|8|19|1|6|46|50|13|12|0|0  
20|28|32|41|47|26|19|21|63|55|24|27|51|45  
9|7|3|0|1|6|10|14|22|27|17|21|15|20  
13|18|15|11|7|18|37|36|33|40|23|28|28|38  
12|18|29|29|19|17|19|23|30|31|29|27|0|0  
10|11|13|15|7|11|6|9|23|23|14|11|1|0  
8|5|11|7|0|5|6|5|16|17|4|5|15|11  
9|7|15|8|11|10|21|22|30|35|26|26|43|38  
2|1|13|10|8|5|5|4|1|1|1|9|9|3|2  
3|3|8|6|6|3|3|5|8|8|4|6|7|8  
10|9|18|16|7|7|12|12|24|29|6|7|22|22  
7|8|9|12|12|7|18|16|33|29|14|14|28|24  
10|9|9|6|2|13|16|10|15|20|36|36|17|15  
3|1|3|1|0|3|8|6|8|7|4|5|4|8  
8|10|7|3|1|9|11|8|19|16|7|5|6|8  
11|12|9|13|10|12|7|10|13|14|10|10|3|1  
1|3|7|5|3|2|3|6|8|7|5|5|0|1  
5|7|3|2|1|7|3|3|7|8|7|8|4|7  
3|4|6|8|3|4|4|5|7|6|6|6|2|1  
4|4|4|4|1|5|1|1|7|7|4|6|3|6  
2|4|9|6|3|4|2|2|10|10|4|4|9|6  
5|4|8|7|7|4|16|13|21|22|9|12|18|19  
5|1|6|10|7|2|0|0|1|3|0|0|6|5  
2|1|6|4|1|3|4|4|4|10|2|2|3|7  
2|1|6|5|1|1|0|1|9|11|3|1|5|4  
1|1|4|3|1|2|5|6|6|10|2|4|6|5  
5|1|5|3|1|1|1|1|6|6|4|5|4|5  
2|3|3|1|1|3|4|6|3|4|5|3|2|1  
2|2|2|2|0|2|1|0|6|6|3|2|7|7  
6|10|3|1|0|10|3|8|1|1|12|9|10|0|5  
4|6|5|3|1|2|0|0|8|9|3|4|1|1  
2|3|3|4|0|1|4|6|4|5|5|8|1|0  
1|1|4|2|1|2|1|1|3|5|3|2|2|2  
3|1|1|1|0|2|5|4|5|5|4|4|3|5  
0|0|0|0|0|0|0|0|0|0|0|2|24|11  
2|1|6|6|4|2|0|0|2|2|2|2|1|3  
5|9|6|1|1|7|4|8|9|8|2|2|2|5  
0|1|2|1|0|0|8|8|4|5|1|3|3|4  
1|5|3|3|1|3|8|6|10|16|3|5|11|11  
1|2|0|0|0|2|6|5|5|7|1|1|4|3  
0|0|10|8|4|0|1|2|5|7|1|2|3|6  
4|4|0|0|0|1|7|7|8|8|2|3|1|3  
5|7|10|7|8|5|0|0|8|6|1|1|1|0  
3|1|0|0|0|0|3|0|6|9|6|4|1|0  
1|0|0|0|0|0|5|2|3|1|2|1|4|1  
1|0|4|1|2|2|1|1|3|3|0|0|4|3  
1|0|2|4|2|2|0|0|3|3|2|1|2|3  
0|0|3|0|0|1|4|3|3|7|2|1|3|2  
2|2|5|5|5|2|0|0|5|7|0|0|9|7



(A) entire PPIN

3|6|6|5|3|4|0|0|5|5|1|2|6|8  
0|0|0|0|0|0|5|3|4|5|1|1|4|5  
0|0|2|2|1|1|6|3|2|2|1|1|1|1  
2|1|2|1|1|2|1|1|2|1|1|3|3|0|0  
0|0|0|2|0|1|0|1|1|3|0|0|14|8  
2|1|2|2|0|2|2|2|4|6|2|2|0|0  
0|0|1|0|1|0|2|3|4|4|3|1|3|4  
1|0|2|0|0|0|0|7|6|1|1|4|5  
3|1|0|0|0|2|1|0|3|4|0|0|4|4  
0|0|3|1|1|1|1|2|2|3|3|1|4|4  
0|0|1|0|0|0|1|2|3|8|1|0|2|0  
0|0|5|6|4|0|4|5|6|8|0|0|3|5  
1|1|3|5|2|0|9|4|7|10|3|2|4|3  
0|0|0|0|0|0|4|3|2|3|2|2|1|1  
1|1|1|1|1|1|1|1|3|1|1|1|2|2  
1|1|0|1|1|1|2|1|6|7|0|0|1|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
1|0|0|0|0|1|0|0|0|0|0|0|0|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|1|0|0|0|0|1|2|0|0|0|1  
0|0|1|1|0|0|0|0|0|0|0|0|0|0  
1|1|1|0|0|1|1|2|1|1|1|0|0|0  
0|0|2|1|0|1|0|0|0|2|4|4|1|0  
0|0|1|0|0|0|0|0|2|2|1|0|2|2  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|4|5|3|3|0|0|2|1  
0|1|1|1|1|1|0|0|1|1|0|1|0|1  
1|1|0|0|0|1|1|1|1|1|1|1|0|0  
0|0|0|0|0|0|0|0|2|2|0|0|0|0  
0|0|1|0|0|1|2|2|4|3|2|3|3|3  
0|0|1|1|0|0|1|1|0|0|0|0|0|0  
0|0|1|1|0|0|1|1|1|1|0|0|0|0  
0|0|0|0|0|0|0|0|1|1|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|1|0  
1|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|1|0|0|0|1  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|1|1|0|0|0|0  
1|0|1|1|0|0|1|0|1|2|0|0|1|1  
0|0|1|0|0|0|0|0|0|0|0|0|0|1  
0|0|5|6|1|0|0|0|2|2|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0|0  
2|1|5|6|2|2|0|0|5|4|1|1|2|1  
0|0|0|0|0|0|0|0|0|0|0|0|1|0  
0|0|1|1|0|0|2|2|2|2|3|3|4|6  
1|1|2|1|1|1|10|9|4|7|2|3|1|9  
2|1|1|0|0|1|5|5|5|6|0|0|0|0  
0|1|0|0|0|0|0|0|1|0|0|0|1|1  
0|0|1|0|0|0|0|0|1|1|0|0|0|0

(A) entire PPIN

0|0|0|0|0|0|0|5|8|0|0|1|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
2|0|0|0|0|0|1|1|5|2|0|1|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|2|1|0|0|0|1|1|1|0|0|2|2  
2|8|2|3|0|0|2|14|4|2|0|0|0|0  
1|0|0|0|0|0|1|0|1|1|1|0|0|0  
0|0|0|0|0|0|0|0|1|1|0|0|1|1  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|0|0|0|2|1|5|5|4|4|9|7  
0|0|0|0|0|0|0|0|0|1|0|0|1|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|0|0|0|0|0|1|2|1|1|1|1  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|0|0|0|0|0|1|1|0|0|0|0  
0|0|1|0|0|0|0|0|1|1|0|0|0|1  
0|0|0|0|0|0|1|2|4|5|0|2|0|2  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|1|0|0|0|0  
0|0|6|0|0|0|0|0|1|0|0|0|0|0  
0|0|0|0|0|1|1|0|0|0|0|0|0|0  
0|0|1|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|1|0|0|9|5|1|2|0|1|4|4  
0|0|0|0|0|0|0|0|2|0|2|1|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|1|0|0|1|0  
1|0|2|1|0|0|0|0|2|2|2|1|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|1|1|1|4|2|2|3|2  
0|0|1|0|0|0|4|1|2|6|1|1|1|1  
0|0|1|0|0|0|0|0|0|1|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
1|0|0|0|0|0|2|0|1|1|1|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
2|2|0|0|0|0|3|1|4|3|1|2|5|2  
3|3|0|0|0|0|1|2|3|5|0|0|0|0  
0|1|0|0|0|0|1|1|2|2|0|0|2|1  
0|0|0|0|0|0|4|1|0|1|0|2|1|0  
0|0|0|0|0|1|0|0|4|3|0|0|0|0  
0|0|0|1|1|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|1|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|1|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0  
0|0|0|0|0|0|0|0|0|0|0|0|0







Bait_ID	Bait_Symbol	Prey_ID	Prey_symbol	SAINT score	Spec	SpecSum	Spectral Counts in Control
FBgn0034970	yki	FBgn0020238	14-3-3epsilon	1.00	103 103 117	323	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0034970	yki	FBgn0003345	sd	1.00	10 9 8	27	0 0 0 0 1 0 0 0 0 0 0 0 0 3 0
FBgn0034970	yki	FBgn0035987	CG3689	1.00	18 20 17	55	0 0 1 0 0 0 1 0 1 2 0 0 0 1
FBgn0034970	yki	FBgn0002921	Atpalpa	1.00	9 13 6	28	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0034970	yki	FBgn0037530	CG2943	1.00	22 22 17	61	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0034970	yki	FBgn0028484	Ack	1.00	14 13 13	40	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0034970	yki	FBgn0030808	RhoGAP15B	1.00	22 19 22	63	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0034970	yki	FBgn0004907	14-3-3zeta	1.00	34 34 41	109	1 0 0 0 0 0 0 1 1 1 0 0 0 0 0
FBgn0034970	yki	FBgn0028490	CG31705	1.00	6 8 7	21	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0034970	yki	FBgn0031093	CG9581	1.00	16 17 14	47	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0034970	yki	FBgn0035872	CG1785	1.00	30 26 27	83	0 0 0 0 0 0 0 0 0 0 0 0 0 1 0
FBgn0034970	yki	FBgn0036373	CG10741	1.00	13 11 14	38	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0034970	yki	FBgn0030243	CG2186	1.00	8 7 8	23	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0034970	yki	FBgn0036318	CG11009	1.00	14 9 14	37	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0034970	yki	FBgn0036451	CG9425	1.00	21 20 14	55	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0034970	yki	FBgn0041092	tai	1.00	12 10 10	32	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0034970	yki	FBgn0036448	mop	1.00	16 16 14	46	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0034970	yki	FBgn0011739	wt	1.00	31 27 29	87	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0034970	yki	FBgn0004583	ex	1.00	11 8 12	31	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0034970	yki	FBgn0003277	Rpl1215	0.98	5 6 4	15	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0034970	yki	FBgn0035715	CG10103	0.96	4 6 4	14	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0034970	yki	FBgn0001218	Hsc70-3	0.96	79 76 79	234	10 9 9 6 2 13 16 10 15 20 36 36 17
FBgn0034970	yki	FBgn0025885	Inos	0.96	6 8 8	22	0 0 3 5 2 0 0 0 0 1 3 0 0 0 0
FBgn0034970	yki	FBgn0011571	caz	0.91	5 3 3	11	0 0 0 0 0 0 0 0 0 0 0 0 0 2 1
FBgn0034970	yki	FBgn0034417	CG15117	0.9	7 3 7	17	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0034970	yki	FBgn0063485	Lasp	0.9	5 3 4	12	0 0 2 1 0 0 0 1 1 1 0 0 0 0 0
FBgn0034970	yki	FBgn0034646	Rae1	0.89	4 3 3	10	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0034970	yki	FBgn0033339	sec31	0.86	5 3 3	11	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0034970	yki	FBgn0037856	CG4674	0.81	2 5 6	13	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0011739	wt	FBgn0034970	yki	1.00	18 22 22	62	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0011739	wt	FBgn0027084	Aats-lys	1.00	5 6 6	17	0 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0
FBgn0011739	wt	FBgn0039776	PH4alphaEFB	1.00	15 13 19	47	0 0 0 0 0 0 0 0 0 6 8 0 0 0 1
FBgn0011739	wt	FBgn0051453	pch2	1.00	5 8 7	20	0 0 0 0 0 0 1 0 0 2 0 0 1 0
FBgn0011739	wt	FBgn0038965	mats	1.00	7 8 10	25	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0011739	wt	FBgn0010246	Myo61F	1.00	31 19 16	66	0 0 7 3 0 1 0 0 6 13 0 0 0 0 0
FBgn0011739	wt	FBgn0263006	Ca-P60A	1.00	6 10 6	22	0 0 0 0 0 0 0 0 0 2 2 0 0 0 0
FBgn0011739	wt	FBgn0261524	lic	0.99	5 5 8	18	0 0 0 0 0 0 0 1 0 0 0 0 0 1 0
FBgn0011739	wt	FBgn0033062	Ars2	0.99	8 5 9	22	0 0 0 0 0 0 0 0 0 1 4 1 0 2 0
FBgn0011739	wt	FBgn0035811	CG12262	0.99	6 6 6	18	0 0 0 0 0 0 2 0 4 3 0 0 0 0 1
FBgn0011739	wt	FBgn0263594	lost	0.97	4 5 5	14	0 0 0 0 0 0 2 1 1 1 0 0 1 0
FBgn0011739	wt	FBgn0013770	Cp1	0.96	5 3 5	13	0 0 0 0 0 0 0 0 0 1 1 1 0 0 0 1
FBgn0011739	wt	FBgn0037312	CG11999	0.94	3 4 4	11	0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0
FBgn0011739	wt	FBgn0028479	CG4389	0.91	4 6 4	14	0 0 1 0 0 0 0 0 0 3 3 1 0 0 0
FBgn0011739	wt	FBgn0027329	Tcp-1zeta	0.91	7 8 9	24	0 0 1 0 0 0 4 1 2 6 1 1 1 1 1
FBgn0011739	wt	FBgn0011225	jar	0.89	26 13 11	50	6 6 2 0 0 3 0 7 4 3 0 0 0 0 0
FBgn0011739	wt	FBgn0004378	Klp61F	0.88	3 3 3	9	0 0 0 0 0 0 0 0 0 1 0 0 0 0 0
FBgn0011739	wt	FBgn0014010	Rab5	0.84	2 4 4	10	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0011739	wt	FBgn0030612	CG5599	0.82	4 4 4	12	0 0 0 0 0 0 0 0 0 0 1 1 0 0 4 4
FBgn0003345	sd	FBgn0034970	yki	1.00	60 53 54	167	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0003345	sd	FBgn0036373	CG10741	1.00	8 7 8	23	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0003345	sd	FBgn0011739	wt	1.00	10 9 10	29	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0003345	sd	FBgn0011225	jar	0.82	10 16 12	38	6 6 2 0 0 3 0 7 4 3 0 0 0 0 0
FBgn0053193	sav	FBgn0028331	I(1)G0289	1.00	18 22 23	63	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0053193	sav	FBgn0261456	hpo	1.00	42 47 50	139	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0053193	sav	FBgn0030734	CG9911	1.00	38 40 34	112	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0053193	sav	FBgn0031093	CG9581	1.00	37 37 38	112	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0053193	sav	FBgn0004638	drk	0.95	4 4 5	13	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0053193	sav	FBgn0020255	ran	0.95	4 7 7	18	1 0 0 0 0 0 0 0 2 0 2 1 0 1 1 0
FBgn0053193	sav	FBgn0015019	Cctgamma	0.9	3 4 4	11	0 0 0 0 0 0 0 2 2 0 0 0 0 0 0
FBgn0053193	sav	FBgn0003517	sta	0.9	3 4 3	10	1 0 0 0 0 1 1 0 0 0 0 0 0 0 0
FBgn0053193	sav	FBgn0010348	Arf79F	0.88	7 4 4	15	0 0 2 1 1 0 0 1 0 0 2 0 0 0 0 0
FBgn0053193	sav	FBgn0033264	Nup50	0.88	4 3 3	10	0 0 0 0 0 0 0 0 0 0 2 0 0 0 0 0

FBgn0053193	sav	FBgn0013770	Cp1	0.81	2 3 4	9	0 0 0 0 0 0 0 1 1 1 0 0 0 1
FBgn0086384	Mer	FBgn0030086	CG7033	1	12 9 8	29	0 0 2 1 0 0 0 1 1 1 0 0 0 2 2
FBgn0086384	Mer	FBgn0261397	didum	1	49 33 31	113	2 8 2 3 0 0 2 14 4 2 0 0 0 0 0
FBgn0086384	Mer	FBgn0010246	Myo61F	1	34 38 34	106	0 0 7 3 0 1 0 0 6 13 0 0 0 0 0
FBgn0086384	Mer	FBgn0086347	Myo31DF	1	20 15 11	46	0 0 6 1 2 0 0 0 0 0 0 0 0 0 0
FBgn0086384	Mer	FBgn0000319	Chc	1	22 18 19	59	3 3 0 0 0 0 1 2 3 5 0 0 0 0 0
FBgn0086384	Mer	FBgn0261014	TER94	1	12 7 7	26	0 0 1 0 0 0 0 0 1 0 0 0 0 0 0
FBgn0086384	Mer	FBgn0037874	Tctp	0.99	6 5 5	16	0 1 0 0 0 0 0 0 0 1 0 0 0 0 0
FBgn0086384	Mer	FBgn0011225	jar	0.99	32 18 16	66	6 6 2 0 0 3 0 7 4 3 0 0 0 0 0
FBgn0086384	Mer	FBgn0016693	Past1	0.98	11 4 5	20	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0086384	Mer	FBgn0033663	ERp60	0.96	7 3 6	16	0 0 1 0 0 0 0 0 0 0 2 0 0 0 0 0
FBgn0086384	Mer	FBgn0039713	RpS8	0.95	4 4 4	12	0 0 0 0 0 0 0 1 1 1 0 2 0 1
FBgn0086384	Mer	FBgn0014163	fax	0.95	6 3 4	13	0 0 1 0 0 0 0 0 0 0 2 0 0 0 0 0
FBgn0086384	Mer	FBgn0000579	Eno	0.94	5 3 4	12	0 1 0 0 0 0 0 0 0 0 1 1 0 0 0 0
FBgn0086384	Mer	FBgn0015795	Rab7	0.94	4 3 5	12	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0086384	Mer	FBgn0003231	ref(2)P	0.94	4 4 3	11	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0086384	Mer	FBgn0000253	Cam	0.94	11 7 6	24	1 0 4 3 0 0 0 0 1 3 3 0 0 0 0 0
FBgn0086384	Mer	FBgn0086656	shrb	0.93	5 5 8	18	1 1 1 0 0 1 0 0 1 2 2 1 0 0 0
FBgn0086384	Mer	FBgn0086356	tum	0.93	6 6 5	17	2 3 0 0 0 0 0 1 1 1 0 2 1 1 0 0
FBgn0086384	Mer	FBgn0003279	RpL4	0.93	6 3 4	13	0 0 0 0 0 0 0 1 0 1 0 0 0 0 0 2
FBgn0086384	Mer	FBgn0024238	Fim	0.92	6 3 3	12	1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0
FBgn0086384	Mer	FBgn0000317	ck	0.92	10 5 3	18	0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0
FBgn0086384	Mer	FBgn0027329	Tcp-1zeta	0.88	8 7 8	23	0 0 1 0 0 0 4 1 2 6 1 1 1 1 1 1
FBgn0086384	Mer	FBgn0020255	ran	0.87	6 4 4	14	1 0 0 1 0 0 2 0 2 1 0 1 1 1 0
FBgn0086384	Mer	FBgn0033062	Ars2	0.83	5 3 5	13	0 0 0 0 0 0 0 0 0 1 4 1 0 2 0
FBgn0086384	Mer	FBgn0010411	RpS18	0.81	4 5 4	13	0 1 0 0 0 0 0 1 1 2 2 0 0 2 1
FBgn0086384	Mer	FBgn0003022	Ote	0.81	19 17 11	47	0 0 9 8 3 1 1 0 1 1 0 0 5 9
FBgn0038965	mats	FBgn0037607	CG8036	1	9 5 8	22	0 0 0 0 0 0 0 0 0 2 5 0 0 0 0 0
FBgn0038965	mats	FBgn0028331	I(1)G0289	1	25 18 22	65	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0038965	mats	FBgn0263006	Ca-P60A	1	16 10 17	43	0 0 0 0 0 0 0 0 0 0 2 2 0 0 0 0 0
FBgn0038965	mats	FBgn0035165	CG13887	1	6 7 8	21	0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0038965	mats	FBgn0250814	CG4169	0.99	14 12 15	41	0 0 1 1 0 0 0 9 5 1 2 0 1 4 4
FBgn0038965	mats	FBgn0035600	CG4769	0.94	4 3 4	11	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0038965	mats	FBgn0039713	RpS8	0.9	4 3 4	11	0 0 0 0 0 0 0 0 0 1 1 1 2 0 1
FBgn0038965	mats	FBgn0002921	Atpalpha	0.88	4 3 7	14	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0038965	mats	FBgn0014868	Ost48	0.86	5 4 2	11	0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0
FBgn0038965	mats	FBgn0035471	Sc2	0.84	4 4 4	12	0 0 0 0 0 0 0 2 1 2 3 0 0 1 0 0
FBgn0038965	mats	FBgn0026409	Mpcp	0.83	3 4 5	12	0 0 0 0 0 0 0 2 1 2 2 0 0 0 0 1
FBgn0261456	hpo	FBgn0023388	Dap160	1	7 8 6	21	0 0 1 0 0 0 0 9 5 1 0 0 0 0 0 0
FBgn0261456	hpo	FBgn0024556	EfTuM	1	11 9 11	31	0 0 0 0 0 0 0 0 0 3 3 1 0 1 3
FBgn0261456	hpo	FBgn0053193	sav	1	28 25 15	68	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0261456	hpo	FBgn0039055	Rassf	1	47 36 29	112	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0261456	hpo	FBgn0010348	Arf79F	0.99	7 7 5	19	0 0 2 1 1 0 1 0 2 2 0 0 0 0 0 0
FBgn0261456	hpo	FBgn0035060	Eps-15	0.99	5 6 5	16	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0261456	hpo	FBgn0020255	ran	0.99	7 9 5	21	1 0 0 1 0 0 2 0 2 1 0 1 1 1 0
FBgn0261456	hpo	FBgn0263006	Ca-P60A	0.98	4 6 5	15	0 0 0 0 0 0 0 0 0 0 2 2 0 0 0 0 0
FBgn0261456	hpo	FBgn0030086	CG7033	0.91	8 7 4	19	0 0 2 1 0 0 0 1 1 1 0 0 2 2
FBgn0261456	hpo	FBgn0000497	ds	0.82	11 7 44	62	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0261456	hpo	FBgn0010411	RpS18	0.8	4 4 5	13	0 1 0 0 0 0 0 1 1 2 2 0 0 2 1
FBgn0001075	ft	FBgn0010434	cora	1	6 6 9	21	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0001075	ft	FBgn0000064	Ald	1	15 14 18	47	0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0001075	ft	FBgn0033339	sec31	1	6 5 8	19	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0001075	ft	FBgn0028479	CG4389	1	15 14 15	44	0 0 1 0 0 0 0 0 0 3 3 1 0 0 0 0
FBgn0001075	ft	FBgn0263350	alpha-Adaptin	1	10 8 14	32	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0001075	ft	FBgn0261458	capt	1	5 6 8	19	0 0 1 2 1 0 0 0 0 0 0 0 0 0 0 0
FBgn0001075	ft	FBgn0037728	CG16817	1	7 7 7	21	0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0001075	ft	FBgn0025885	Inos	1	20 20 20	60	0 0 3 5 2 0 0 0 0 1 3 0 0 0 0 0
FBgn0001075	ft	FBgn0010909	msn	1	9 5 6	20	0 0 0 0 0 0 0 0 0 1 0 2 0 0 0 0
FBgn0001075	ft	FBgn0014029	Sep2	1	11 9 11	31	0 0 5 6 1 0 0 0 2 2 0 0 0 0 0 0
FBgn0001075	ft	FBgn0010380	Bap	1	9 8 9	26	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0001075	ft	FBgn0024238	Fim	1	5 5 5	15	1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0
FBgn0001075	ft	FBgn0261014	TER94	1	6 6 7	19	0 0 1 0 0 0 0 0 0 1 0 0 0 0 0 0
FBgn0001075	ft	FBgn0027835	Dp1	1	7 9 8	24	0 0 1 0 0 0 0 0 0 3 2 1 1 0 0 0

FBgn0001075 ft	FBgn0039302 Nup358	1 7 6 11	24 0 0 1 0 0 0 0 0 0 0 0 0 0 0
FBgn0001075 ft	FBgn0039924 CG17471	0.99 4 7 7	18 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0001075 ft	FBgn0034345 CG5174	0.99 6 5 8	19 0 0 0 1 0 0 0 0 1 3 0 0 0 0
FBgn0001075 ft	FBgn0031450 Hrs	0.99 5 4 6	15 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0001075 ft	FBgn0025352 Thiolase	0.99 8 7 5	20 0 0 0 0 0 0 0 0 2 3 0 2 1 0
FBgn0001075 ft	FBgn0033890 Ctf4	0.98 7 4 8	19 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0001075 ft	FBgn0033264 Nup50	0.98 7 4 4	15 0 0 0 0 0 0 0 0 2 2 0 0 0 0
FBgn0001075 ft	FBgn0003346 RanGap	0.98 4 6 4	14 0 0 0 0 0 0 0 0 0 0 0 1 0 0
FBgn0001075 ft	FBgn0029882 CG3226	0.98 8 4 8	20 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0001075 ft	FBgn0023213 eIF4G	0.97 7 6 4	17 0 0 0 0 0 0 1 1 2 1 0 0 0 0
FBgn0001075 ft	FBgn0011704 RnrS	0.94 4 3 4	11 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0001075 ft	FBgn0022343 CG3760	0.93 6 3 4	13 0 0 3 1 0 0 0 0 0 1 0 0 0 0
FBgn0001075 ft	FBgn0029687 Vap-33-1	0.92 3 3 6	12 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0001075 ft	FBgn0000578 ena	0.91 3 3 4	10 0 0 0 0 0 0 0 0 0 1 0 0 0 0
FBgn0001075 ft	FBgn0013726 pnut	0.91 7 9 13	29 0 1 3 5 2 1 0 0 3 5 0 0 0 0
FBgn0001075 ft	FBgn0063485 Lasp	0.9 5 3 5	13 0 0 2 1 0 0 0 1 1 1 0 0 0 0
FBgn0001075 ft	FBgn0025865 Cortactin	0.9 3 3 5	11 0 0 0 0 0 0 0 0 0 0 0 0 1 0
FBgn0001075 ft	FBgn0003600 Su(var)3-9	0.89 6 3 3	12 0 0 0 0 0 0 0 0 1 3 0 0 0 1
FBgn0001075 ft	FBgn0038965 mats	0.89 3 5 8	16 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0001075 ft	FBgn0024509 sec13	0.88 3 3 3	9 0 0 0 0 0 0 0 0 1 0 0 0 0 0
FBgn0001075 ft	FBgn0003392 shi	0.88 4 3 3	10 0 0 0 0 0 0 0 0 1 0 0 0 0 0
FBgn0001075 ft	FBgn0011771 Hem	0.87 4 4 3	11 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0001075 ft	FBgn0035424 CG11505	0.86 6 5 6	17 1 0 2 1 0 0 0 0 2 2 2 1 0 0
FBgn0001075 ft	FBgn0025457 Bub3	0.83 4 2 4	10 0 0 0 0 0 0 0 0 1 1 0 0 1 0
FBgn0001075 ft	FBgn00261119 Prp19	0.81 5 2 3	10 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0
FBgn0000658 fj	FBgn0027084 Aats-lys	1 8 8 6	22 0 0 0 0 0 0 0 0 1 1 1 0 0 0 0
FBgn0000658 fj	FBgn0010246 Myo61F	1 4 1 29 15	85 0 0 7 3 0 1 0 0 0 6 13 0 0 0 0
FBgn0000658 fj	FBgn0028479 CG4389	1 13 8 10	31 0 0 1 0 0 0 0 0 0 3 3 1 0 0 0
FBgn0000658 fj	FBgn0263006 Ca-P60A	1 11 13 10	34 0 0 0 0 0 0 0 0 0 2 2 0 0 0 0
FBgn0000658 fj	FBgn0261794 kcc	1 20 22 17	59 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0000658 fj	FBgn0033062 Ars2	1 12 12 9	33 0 0 0 0 0 0 0 0 1 4 1 0 2 0
FBgn0000658 fj	FBgn0010774 Aly	0.98 4 4 4	12 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0000658 fj	FBgn0037312 CG11999	0.96 4 5 3	12 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0
FBgn0000658 fj	FBgn0004378 Klp61F	0.95 4 3 5	12 0 0 0 0 0 0 0 0 1 1 0 0 0 0
FBgn0000658 fj	FBgn0000253 Cam	0.89 8 9 5	22 1 0 4 3 0 0 0 1 3 3 0 0 0 0
FBgn0004583 ex	FBgn0015245 Hsp60	1 93 104 89	286 0 0 0 0 0 0 0 0 1 0 24 25 0 0
FBgn0004583 ex	FBgn0036892 CG8798	1 11 14 13	38 0 0 0 0 0 0 0 0 1 0 8 10 0 0
FBgn0004583 ex	FBgn0030993 Mec2	1 15 15 11	41 0 0 2 2 1 1 6 3 2 2 1 1 1 1 1
FBgn0004583 ex	FBgn0004638 drk	1 7 6 7	20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0004583 ex	FBgn0020255 ran	0.9 5 4 5	14 1 0 0 1 0 0 2 0 2 1 0 1 1 0
FBgn0004583 ex	FBgn0004227 nonA	0.82 9 6 7	22 0 0 3 1 0 0 1 1 0 0 1 1 2 8
FBgn0000497 ds	FBgn0028331 l(1)G0289	1 9 11 15	35 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0000497 ds	FBgn0028479 CG4389	1 12 11 8	31 0 0 1 0 0 0 0 0 0 3 3 1 0 0 0
FBgn0000497 ds	FBgn0027598 cindr	1 8 12 7	27 0 0 1 0 0 0 0 0 1 2 1 1 1 1 1
FBgn0000497 ds	FBgn0263006 Ca-P60A	1 13 11 12	36 0 0 0 0 0 0 0 0 0 2 2 0 0 0 0
FBgn0000497 ds	FBgn0023423 slmb	1 9 12 12	33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0000497 ds	FBgn0025352 Thiolase	1 10 8 8	26 0 0 0 0 0 0 0 0 2 3 0 2 1 0
FBgn0000497 ds	FBgn0250814 CG4169	0.97 16 12 12	40 0 0 1 1 0 0 9 5 1 2 0 1 4 4
FBgn0000497 ds	FBgn0032393 CG12264	0.92 3 4 3	10 0 0 0 0 0 0 0 0 0 1 2 0 0 0 0
FBgn0000497 ds	FBgn0025637 skpA	0.88 3 5 3	11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0000497 ds	FBgn0026409 Mpcp	0.88 4 4 4	12 0 0 0 0 0 0 2 1 2 2 0 0 0 1
FBgn0000497 ds	FBgn0031093 CG9581	0.86 8 10 7	25 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0000497 ds	FBgn0025885 Inos	0.84 6 6 5	17 0 0 3 5 2 0 0 0 1 3 0 0 0 0
FBgn0000497 ds	FBgn0052109 CG32109	0.82 3 3 3	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0000497 ds	FBgn0037894 Ranbp9	0.8 6 7 2	15 0 0 0 0 0 0 0 0 0 2 0 0 0 1 1
FBgn0262029 d	FBgn0250789 alpha-Spec	1 55 47 53	155 7 1 14 10 1 2 0 0 19 26 8 7 6 3
FBgn0262029 d	FBgn0034264 CG10933	1 7 5 10	22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0262029 d	FBgn0029903 pod1	1 7 5 10	22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0262029 d	FBgn0000253 Cam	1 16 11 14	41 1 0 4 3 0 0 0 1 3 3 0 0 0 0 0
FBgn0262029 d	FBgn0086656 shrb	0.99 8 6 10	24 1 1 1 0 0 1 0 0 1 2 2 1 0 0
FBgn0262029 d	FBgn0046214 vig2	0.98 9 8 10	27 0 0 3 0 0 0 3 1 2 1 3 1 1 1 1
FBgn0262029 d	FBgn0003261 Rm62	0.97 18 15 19	52 1 0 3 0 0 0 2 1 9 9 3 4 3 2
FBgn0262029 d	FBgn0025865 Cortactin	0.97 4 4 4	12 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0



FBgn0262029 d	FBgn0002466 sti	0.96	6 5 11	22	1 0 0 0 0 0 0 1 2 2 1 1 0 0
FBgn0262029 d	FBgn0032731 CG10641	0.96	12 10 10	32	0 0 5 5 2 0 0 0 4 4 3 1 0 0
FBgn0262029 d	FBgn0002638 Bjl	0.96	19 8 23	50	0 0 6 3 0 0 0 0 0 0 0 3 10 0
FBgn0262029 d	FBgn0004167 kst	0.96	14 12 19	45	0 0 2 0 0 0 0 0 4 7 6 5 0 0
FBgn0262029 d	FBgn0086356 tum	0.95	8 5 9	22	2 3 0 0 0 0 1 1 0 2 1 1 0 0
FBgn0262029 d	FBgn0003231 ref(2)P	0.94	4 3 4	11	0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0262029 d	FBgn0028734 Fmr1	0.93	13 10 11	34	1 1 6 0 0 0 1 1 4 5 1 3 2 0
FBgn0262029 d	FBgn0010173 RpA-70	0.91	8 12 8	28	0 0 0 0 0 0 0 0 2 1 2 4 5 7
FBgn0262029 d	FBgn0029687 Vap-33-1	0.91	4 3 3	10	0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0262029 d	FBgn0030612 CG5599	0.91	6 5 4	15	0 0 0 0 0 0 0 0 1 1 0 0 4 4
FBgn0262029 d	FBgn0033663 ERp60	0.9	3 4 3	10	0 0 1 0 0 0 0 0 0 2 0 0 0 0
FBgn0262029 d	FBgn0005648 Pabp2	0.88	3 3 3	9	0 0 1 0 0 0 0 0 0 0 0 0 0 0
FBgn0262029 d	FBgn0010774 Aly	0.88	3 3 3	9	0 0 0 0 0 0 0 0 0 0 0 0 0 0
FBgn0262029 d	FBgn0024987 ssx	0.85	9 6 7	22	0 0 1 0 0 0 2 1 2 3 2 3 2 1
FBgn0262029 d	FBgn0027616 YT521-B	0.81	3 2 4	9	1 0 0 0 0 0 0 0 1 1 0 0 0 0
FBgn0262029 d	FBgn0037756 CG8507	0.81	3 2 4	9	0 0 2 1 0 0 0 0 0 0 0 0 0 0









Type of file: table

Label: Table S2

Filename: 2013-Kwon-Science-Hippo\_table\_S2.xlsx

## Sheet1

Fly GeneID	FlyBaseID	Fly Symbol	Human GeneID	Human Symbol	DIOPT Score
35788	FBgn0005648	Pabp2	8106	PABPN1	9
35788	FBgn0005648	Pabp2	390748	PABPN1L	3
35788	FBgn0005648	Pabp2	100529063	BCL2L2-PABPN1	2
35788	FBgn0005648	Pabp2	599	BCL2L2	1
31849	FBgn0014868	Ost48	1650	DDOST	9
41027	FBgn0037607	CG8036	84076	TKTL2	9
41027	FBgn0037607	CG8036	7086	TKT	8
41027	FBgn0037607	CG8036	8277	TKTL1	5
49297	FBgn0263006	Ca-P60A	487	ATP2A1	10
49297	FBgn0263006	Ca-P60A	487	ATP2A1	10
49297	FBgn0263006	Ca-P60A	487	ATP2A1	10
49297	FBgn0263006	Ca-P60A	488	ATP2A2	7
49297	FBgn0263006	Ca-P60A	488	ATP2A2	7
49297	FBgn0263006	Ca-P60A	488	ATP2A2	7
49297	FBgn0263006	Ca-P60A	489	ATP2A3	5
49297	FBgn0263006	Ca-P60A	9914	ATP2C2	1
49297	FBgn0263006	Ca-P60A	27032	ATP2C1	1
37014	FBgn0034264	CG10933	2885	GRB2	1
37014	FBgn0034264	CG10933	10750	GRAP	1
35671	FBgn0025885	Inos	51477	ISYNA1	9
39083	FBgn0035987	CG3689	11051	NUDT21	10
37292	FBgn0010411	RpS18	6222	RPS18	8
37961	FBgn0035060	Eps-15	58513	EPS15L1	10
37961	FBgn0035060	Eps-15	2060	EPS15	7
38153	FBgn0010246	Myo61F	4641	MYO1C	8
38153	FBgn0010246	Myo61F	283446	MYO1H	4
38153	FBgn0010246	Myo61F	4640	MYO1A	2
38153	FBgn0010246	Myo61F	4642	MYO1D	2
38153	FBgn0010246	Myo61F	4642	MYO1D	2
38153	FBgn0010246	Myo61F	4643	MYO1E	2
38153	FBgn0010246	Myo61F	64005	MYO1G	2
38153	FBgn0010246	Myo61F	4430	MYO1B	2
38153	FBgn0010246	Myo61F	4542	MYO1F	1
37784	FBgn0025352	Thiolase	3032	HADHB	10
40462	FBgn0011771	Hem	10787	NCKAP1	10
40462	FBgn0011771	Hem	3071	NCKAP1L	5
32721	FBgn0024238	Fim	3936	LCP1	9
32721	FBgn0024238	Fim	5358	PLS3	9
32721	FBgn0024238	Fim	5357	PLS1	7
35784	FBgn0033264	Nup50	10762	NUP50	9
43349	FBgn0003279	RpL4	6124	RPL4	10
32603	FBgn0004227	nonA	6421	SFPQ	8
32603	FBgn0004227	nonA	4841	NONO	6
32603	FBgn0004227	nonA	55269	PSPC1	5
38864	FBgn0035811	CG12262	34	ACADM	9
38864	FBgn0035811	CG12262	34	ACADM	9
38864	FBgn0035811	CG12262	34	ACADM	9
38864	FBgn0035811	CG12262	35	ACADS	1
38864	FBgn0035811	CG12262	35	ACADS	1
38864	FBgn0035811	CG12262	35	ACADS	1

Sheet1

38864	FBgn0035811	CG12262	36 ACADSB	1
38864	FBgn0035811	CG12262	27034 ACAD8	1
38669	FBgn0002638	Bj1	1104 RCC1	9
36040	FBgn0261014	TER94	7415 VCP	10
36040	FBgn0261014	TER94	7415 VCP	10
31838	FBgn0030086	CG7033	10576 CCT2	10
31838	FBgn0030086	CG7033	10574 CCT7	1
31838	FBgn0030086	CG7033	6950 TCP1	1
32587	FBgn0011571	caz	2521 FUS	7
32587	FBgn0011571	caz	2521 FUS	7
32587	FBgn0011571	caz	2130 EWSR1	4
32587	FBgn0011571	caz	2130 EWSR1	4
32587	FBgn0011571	caz	8148 TAF15	3
32587	FBgn0011571	caz	8148 TAF15	3
33211	FBgn0263350	alpha-Adaptin	161 AP2A2	9
33211	FBgn0263350	alpha-Adaptin	160 AP2A1	8
37197	FBgn0034417	CG15117	2990 GUSB	10
37197	FBgn0034417	CG15117	100653061 LOC100653061	1
39444	FBgn0052109	CG32109	79719 AAGAB	3
37987	FBgn0022343	CG3760	55573 CDV3	5
32441	FBgn0030612	CG5599	1629 DBT	9
32441	FBgn0030612	CG5599	1629 DBT	9
32441	FBgn0030612	CG5599	1629 DBT	9
32441	FBgn0030612	CG5599	1629 DBT	9
32686	FBgn0030808	RhoGAP15B	64411 ARAP3	6
32686	FBgn0030808	RhoGAP15B	116985 ARAP1	5
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32686	FBgn0030808	RhoGAP15B	116985 ARAP1	5
32686	FBgn0030808	RhoGAP15B	116984 ARAP2	4
37800	FBgn0261794	kcc	6560 SLC12A4	9
37800	FBgn0261794	kcc	9990 SLC12A6	7
37800	FBgn0261794	kcc	10723 SLC12A7	5
37800	FBgn0261794	kcc	57468 SLC12A5	5
36270	FBgn0033663	ERp60	2923 PDIA3	10
36270	FBgn0033663	ERp60	5034 P4HB	3
36270	FBgn0033663	ERp60	9601 PDIA4	3
36270	FBgn0033663	ERp60	64714 PDIA2	1
36270	FBgn0033663	ERp60	204474 PDILT	1
34577	FBgn0028490	CG31705		
35877	FBgn0033339	sec31	22872 SEC31A	9
35877	FBgn0033339	sec31	25956 SEC31B	8
37201	FBgn0000578	ena	55740 ENAH	7
37201	FBgn0000578	ena	7408 VASP	4
37201	FBgn0000578	ena	51466 EVL	4
33017	FBgn0031093	CG9581	63929 XPNPEP3	7
33017	FBgn0031093	CG9581	9978 RBX1	4
33017	FBgn0031093	CG9581	5184 PEPD	3
33017	FBgn0031093	CG9581	5184 PEPD	3
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33017	FBgn0031093	CG9581	5184 PEPD	3



Sheet1

36059	FBgn0004907	14-3-3zeta	7534	YWHAZ	9
36059	FBgn0004907	14-3-3zeta	7529	YWHAB	7
36059	FBgn0004907	14-3-3zeta	7531	YWHAE	3
36059	FBgn0004907	14-3-3zeta	2810	SFN	3
36059	FBgn0004907	14-3-3zeta	10971	YWHAQ	2
36059	FBgn0004907	14-3-3zeta	7533	YWHAH	2
36059	FBgn0004907	14-3-3zeta	7532	YWHAG	2
38135	FBgn0004378	Klp61F	3832	KIF11	9
38135	FBgn0004378	Klp61F	3832	KIF11	9
36538	FBgn0086356	tum	29127	RACGAP1	10
35223	FBgn0003346	RanGap	5905	RANGAP1	10
33627	FBgn0001075	ft	79633	FAT4	9
33627	FBgn0001075	ft	79633	FAT4	9
33627	FBgn0001075	ft	120114	FAT3	2
33627	FBgn0001075	ft	64072	CDH23	2
33627	FBgn0001075	ft	64072	CDH23	2
33627	FBgn0001075	ft	64072	CDH23	2
33627	FBgn0001075	ft	64072	CDH23	2
33627	FBgn0001075	ft	64072	CDH23	2
33627	FBgn0001075	ft	2195	FAT1	2
33627	FBgn0001075	ft	2196	FAT2	2
33627	FBgn0001075	ft	54798	DCHS2	1
33627	FBgn0001075	ft	54798	DCHS2	1
33627	FBgn0001075	ft	54798	DCHS2	1
33627	FBgn0001075	ft	8642	DCHS1	1
34179	FBgn0262029	d	25	ABL1	1
34179	FBgn0262029	d	80179	MYO19	1
31106	FBgn0003517	sta	3921	RPSA	9
31106	FBgn0003517	sta	220885	RPSAP15	1
32017	FBgn0030243	CG2186	155435	RBM33	2
32017	FBgn0030243	CG2186	1822	ATN1	1
32017	FBgn0030243	CG2186	5545	PRB4	1
32017	FBgn0030243	CG2186	5554	PRH1	1
32017	FBgn0030243	CG2186	5542	PRB1	1
32017	FBgn0030243	CG2186	5555	PRH2	1
37123	FBgn0261119	Prp19	27339	PRPF19	9
35680	FBgn0261397	didum	4644	MYO5A	9
35680	FBgn0261397	didum	55930	MYO5C	8
35680	FBgn0261397	didum	4645	MYO5B	7
35680	FBgn0261397	didum	4622	MYH4	1
35680	FBgn0261397	didum	4625	MYH7	1
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35680	FBgn0261397	didum	8735	MYH13	1
35680	FBgn0261397	didum	4627	MYH9	1
35680	FBgn0261397	didum	4627	MYH9	1

Sheet1

35680	FBgn0261397	didum	4627	MYH9	1
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35680	FBgn0261397	didum	57644	MYH7B	1
35680	FBgn0261397	didum	57644	MYH7B	1
35680	FBgn0261397	didum	4619	MYH1	1
35680	FBgn0261397	didum	4629	MYH11	1
35680	FBgn0261397	didum	4621	MYH3	1
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35680	FBgn0261397	didum	4621	MYH3	1
35680	FBgn0261397	didum	4626	MYH8	1
35680	FBgn0261397	didum	4626	MYH8	1
35680	FBgn0261397	didum	22989	MYH15	1
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35680	FBgn0261397	didum	4624	MYH6	1
35680	FBgn0261397	didum	4620	MYH2	1
40559	FBgn0263594	lost	64779	MTHFSD	9
44438	FBgn0024556	EfTuM	7284	TUFM	10
44438	FBgn0024556	EfTuM	7284	TUFM	10
37117	FBgn0034345	CG5174	7165	TPD52L2	6
37117	FBgn0034345	CG5174	7163	TPD52	4
37117	FBgn0034345	CG5174	7164	TPD52L1	4
37117	FBgn0034345	CG5174	89882	TPD52L3	3
36551	FBgn0033890	Ctf4	11169	WDHD1	10
39846	FBgn0250814	CG4169	7385	UQCRC2	10
43839	FBgn0023213	eIF4G	8672	EIF4G3	8
43839	FBgn0023213	eIF4G	1981	EIF4G1	8
32133	FBgn0001218	Hsc70-3	3309	HSPA5	8
32133	FBgn0001218	Hsc70-3	3305	HSPA1L	2
32133	FBgn0001218	Hsc70-3	3303	HSPA1A	2
32133	FBgn0001218	Hsc70-3	3306	HSPA2	2
32133	FBgn0001218	Hsc70-3	3312	HSPA8	2
32133	FBgn0001218	Hsc70-3	3304	HSPA1B	2
32133	FBgn0001218	Hsc70-3	3310	HSPA6	2
43490	FBgn0025457	Bub3	9184	BUB3	10
45233	FBgn0261458	capt	10487	CAP1	9

Sheet1

45233	FBgn0261458	capt	10486	CAP2	7
39429	FBgn0002466	sti	11113	CIT	8
39429	FBgn0002466	sti	80254	CEP63	1
39429	FBgn0002466	sti	80254	CEP63	1
39429	FBgn0002466	sti	6093	ROCK1	1
39429	FBgn0002466	sti	9475	ROCK2	1
39429	FBgn0002466	sti	1760	DMPK	1
37116	FBgn0027835	Dp1	3069	HDLBP	10
44030	FBgn0010909	msn	23043	TNIK	7
44030	FBgn0010909	msn	23043	TNIK	7
44030	FBgn0010909	msn	50488	MINK1	7
44030	FBgn0010909	msn	9448	MAP4K4	7
44030	FBgn0010909	msn	203447	NRK	3
44030	FBgn0010909	msn	140469	MYO3B	1
32045	FBgn0015245	Hsp60	3329	HSPD1	10
32045	FBgn0015245	Hsp60	3329	HSPD1	10
34613	FBgn0032393	CG12264	9054	NFS1	6
34613	FBgn0032393	CG12264	51540	SCLY	1
31086	FBgn0024987	ssx	1993	ELAVL2	1
31086	FBgn0024987	ssx	1995	ELAVL3	1
31086	FBgn0024987	ssx	1994	ELAVL1	1
31086	FBgn0024987	ssx	1996	ELAVL4	1
39460	FBgn0036318	CG11009	23558	WBP2	9
39460	FBgn0036318	CG11009	164684	WBP2NL	5
44029	FBgn0010774	Aly	10189	ALYREF	10
44029	FBgn0010774	Aly	84271	POLDIP3	1
41569	FBgn0016693	Past1	30845	EHD3	8
41569	FBgn0016693	Past1	30845	EHD3	8
41569	FBgn0016693	Past1	10938	EHD1	8
41569	FBgn0016693	Past1	30846	EHD2	7
41569	FBgn0016693	Past1	30844	EHD4	6
41341	FBgn0037874	Tctp	7178	TPT1	10
41341	FBgn0037874	Tctp	59347	FKSG2	1
41341	FBgn0037874	Tctp	392490	FLJ44635	1
41341	FBgn0037874	Tctp	389787	LOC389787	1
32100	FBgn0003277	Rpll215	5430	POLR2A	7
32100	FBgn0003277	Rpll215	643664	SLC35G6	3
32100	FBgn0003277	Rpll215	11128	POLR3A	3
32100	FBgn0003277	Rpll215	25885	POLR1A	1
48971	FBgn0002921	Atpalpha	476	ATP1A1	8
48971	FBgn0002921	Atpalpha	478	ATP1A3	8
48971	FBgn0002921	Atpalpha	478	ATP1A3	8
48971	FBgn0002921	Atpalpha	477	ATP1A2	6
48971	FBgn0002921	Atpalpha	477	ATP1A2	6
48971	FBgn0002921	Atpalpha	477	ATP1A2	6
48971	FBgn0002921	Atpalpha	479	ATP12A	4
48971	FBgn0002921	Atpalpha	495	ATP4A	4
48971	FBgn0002921	Atpalpha	480	ATP1A4	4
48971	FBgn0002921	Atpalpha	488	ATP2A2	1
48971	FBgn0002921	Atpalpha	488	ATP2A2	1
48971	FBgn0002921	Atpalpha	488	ATP2A2	1

Sheet1

48971	FBgn0002921	Atpalpha	487	ATP2A1	1
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48971	FBgn0002921	Atpalpha	487	ATP2A1	1
41205	FBgn0037756	CG8507	4043	LRPAP1	8
32518	FBgn0027329	Tcp-1zeta	908	CCT6A	9
32518	FBgn0027329	Tcp-1zeta	10693	CCT6B	7
42889	FBgn0011225	jar	4646	MYO6	6
42889	FBgn0011225	jar	4646	MYO6	6
42889	FBgn0011225	jar	4646	MYO6	6
42889	FBgn0011225	jar	4646	MYO6	6
42889	FBgn0011225	jar	4620	MYH2	1
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34445	FBgn0086347	Myo31DF	4640	MYO1A	2
34445	FBgn0086347	Myo31DF	4643	MYO1E	2
34445	FBgn0086347	Myo31DF	4641	MYO1C	2
34445	FBgn0086347	Myo31DF	4430	MYO1B	2
34445	FBgn0086347	Myo31DF	4542	MYO1F	2
34445	FBgn0086347	Myo31DF	283446	MYO1H	1
35539	FBgn0033062	Ars2	51593	SRRT	10
40739	FBgn0003261	Rm62	10521	DDX17	9
40739	FBgn0003261	Rm62	1655	DDX5	6
40739	FBgn0003261	Rm62	55510	DDX43	1
42438	FBgn0014029	Sep2	55752	SEPT11	8
42438	FBgn0014029	Sep2	23176	SEPT8	7
42438	FBgn0014029	Sep2	23157	SEPT6	6
42438	FBgn0014029	Sep2	346288	SEPT14	5
42438	FBgn0014029	Sep2	151011	SEPT10	5
42438	FBgn0014029	Sep2	124404	SEPT12	1
42438	FBgn0014029	Sep2	10801	SEPT9	1
42438	FBgn0014029	Sep2	10801	SEPT9	1
42438	FBgn0014029	Sep2	10801	SEPT9	1
42438	FBgn0014029	Sep2	10801	SEPT9	1
42438	FBgn0014029	Sep2	10801	SEPT9	1
42438	FBgn0014029	Sep2	10801	SEPT9	1
42438	FBgn0014029	Sep2	989	SEPT7	1
42438	FBgn0014029	Sep2	4735	SEPT2	1
42438	FBgn0014029	Sep2	55964	SEPT3	1
39587	FBgn0026409	Mpcp	5250	SLC25A3	9
40138	FBgn0036892	CG8798	9361	LONP1	9
40138	FBgn0036892	CG8798	83752	LONP2	1
43183	FBgn0000064	Ald	226	ALDOA	10
43183	FBgn0000064	Ald	230	ALDOC	7
43183	FBgn0000064	Ald	229	ALDOB	6
43183	FBgn0000064	Ald	229	ALDOB	6
37467	FBgn0034646	Rae1	8480	RAE1	10
33458	FBgn0031450	Hrs	9146	HGS	10
33458	FBgn0031450	Hrs	23163	GGA3	1
33458	FBgn0031450	Hrs	10160	FARP1	1
33458	FBgn0031450	Hrs	10160	FARP1	1
33458	FBgn0031450	Hrs	10160	FARP1	1

Sheet1

33458	FBgn0031450	Hrs	23062	GGA2	1
33458	FBgn0031450	Hrs	146691	TOM1L2	1
33458	FBgn0031450	Hrs	26088	GGA1	1
43532	FBgn0039713	RpS8	6202	RPS8	8
35246	FBgn0003231	ref(2)P	8878	SQSTM1	4
35246	FBgn0003231	ref(2)P	8878	SQSTM1	4
44437	FBgn0024509	sec13	6396	SEC13	10
42186	FBgn0020238	14-3-3epsilon	7531	YWHAE	10
42186	FBgn0020238	14-3-3epsilon	7534	YWHAZ	3
42186	FBgn0020238	14-3-3epsilon	7529	YWHAB	3
42186	FBgn0020238	14-3-3epsilon	10971	YWHAQ	1
42186	FBgn0020238	14-3-3epsilon	7533	YWHAH	1
42186	FBgn0020238	14-3-3epsilon	2810	SFN	1
42186	FBgn0020238	14-3-3epsilon	7532	YWHAG	1
40972	FBgn0010173	RpA-70	6117	RPA1	10
32905	FBgn0030993	Mec2	161003	STOML3	3
32905	FBgn0030993	Mec2	2040	STOM	3
32905	FBgn0030993	Mec2	30968	STOML2	2
32905	FBgn0030993	Mec2	7827	NPHS2	2
32905	FBgn0030993	Mec2	9399	STOML1	1
37090	FBgn0003022	Ote			
31620	FBgn0029903	pod1	79585	CORO7	10
31620	FBgn0029903	pod1	100529144	CORO7-PAM16	1
31620	FBgn0029903	pod1	51025	PAM16	1
35801	FBgn0013726	pnut	989	SEPT7	10
35801	FBgn0013726	pnut	4735	SEPT2	2
35801	FBgn0013726	pnut	124404	SEPT12	1
35801	FBgn0013726	pnut	1731	SEPT1	1
35801	FBgn0013726	pnut	10801	SEPT9	1
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35801	FBgn0013726	pnut	285961	SEPT7L	1
35801	FBgn0013726	pnut	23176	SEPT8	1
35801	FBgn0013726	pnut	5414	SEPT4	1
35801	FBgn0013726	pnut	5413	SEPT5	1
35801	FBgn0013726	pnut	55964	SEPT3	1
43651	FBgn0011739	wtS	9113	LATS1	7
43651	FBgn0011739	wtS	26524	LATS2	7
43651	FBgn0011739	wtS	23012	STK38L	1
43651	FBgn0011739	wtS	11329	STK38	1
33245	FBgn0000497	ds	8642	DCHS1	7
33245	FBgn0000497	ds	64072	CDH23	3
33245	FBgn0000497	ds	64072	CDH23	3
33245	FBgn0000497	ds	64072	CDH23	3
33245	FBgn0000497	ds	64072	CDH23	3
33245	FBgn0000497	ds	79633	FAT4	2
33245	FBgn0000497	ds	79633	FAT4	2
33245	FBgn0000497	ds	120114	FAT3	2
33245	FBgn0000497	ds	54798	DCHS2	2

Sheet1

33245	FBgn0000497	ds	54798	DCHS2	2
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33245	FBgn0000497	ds	2195	FAT1	2
33245	FBgn0000497	ds	2196	FAT2	2
35378	FBgn0023388	Dap160	6453	ITSN1	9
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35378	FBgn0023388	Dap160	79729	SH3D21	1
35378	FBgn0023388	Dap160	9322	TRIP10	1
35378	FBgn0023388	Dap160	80303	EFHD1	1
35378	FBgn0023388	Dap160	79180	EFHD2	1
35378	FBgn0023388	Dap160	26751	SH3YL1	1
35378	FBgn0023388	Dap160	54874	FNBP1L	1
36546	FBgn0013770	Cp1	1515	CTSL2	8
36546	FBgn0013770	Cp1	1514	CTSL1	5
36546	FBgn0013770	Cp1	1520	CTSS	4
36546	FBgn0013770	Cp1	1513	CTSK	4
36546	FBgn0013770	Cp1	1513	CTSK	4
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35158	FBgn0032731	CG10641	79180	EFHD2	9
35158	FBgn0032731	CG10641	80303	EFHD1	8
35158	FBgn0032731	CG10641	83543	AIF1L	1
35158	FBgn0032731	CG10641	199	AIF1	1
35158	FBgn0032731	CG10641	199	AIF1	1
39613	FBgn0036451	CG9425	9931	HELZ	7
39613	FBgn0036451	CG9425	85441	HELZ2	1
39826	FBgn0014163	fax	84553	FAXC	6
38096	FBgn0035165	CG13887	10134	BCAP31	10
38096	FBgn0035165	CG13887	55973	BCAP29	6
32257	FBgn0261524	lic	5608	MAP2K6	9
32257	FBgn0261524	lic	5606	MAP2K3	7
32257	FBgn0261524	lic	5609	MAP2K7	1
32257	FBgn0261524	lic	5605	MAP2K2	1
32257	FBgn0261524	lic	6416	MAP2K4	1
32257	FBgn0261524	lic	5604	MAP2K1	1
39864	FBgn0063485	Lasp	3927	LASP1	8
39864	FBgn0063485	Lasp	10529	NEBL	3
39864	FBgn0063485	Lasp	4703	NEB	2
39864	FBgn0063485	Lasp	4892	NRAP	2
39864	FBgn0063485	Lasp	28988	DBNL	1
36497	FBgn0004638	drk	2885	GRB2	8
36497	FBgn0004638	drk	10750	GRAP	3
36497	FBgn0004638	drk	400581	GRAPL	2
36497	FBgn0004638	drk	9402	GRAP2	2
36497	FBgn0004638	drk	6456	SH3GL2	1
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36497	FBgn0004638	drk	6456	SH3GL2	1
36497	FBgn0004638	drk	6456	SH3GL2	1
36497	FBgn0004638	drk	6457	SH3GL3	1
36497	FBgn0004638	drk	10254	STAM2	1
36497	FBgn0004638	drk	8027	STAM	1
31597	FBgn0029882	CG3226	27101	CACYBP	10

Sheet1

32979	FBgn0086384	Mer	4771	NF2	8
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32979	FBgn0086384	Mer	7430	EZR	1
32979	FBgn0086384	Mer	4478	MSN	1
34242	FBgn0041092	tai	23054	NCOA6	1
34242	FBgn0041092	tai	607	BCL9	1
34242	FBgn0041092	tai	283149	BCL9L	1
43041	FBgn0039302	Nup358	5903	RANBP2	7
43041	FBgn0039302	Nup358	653489	RGPD3	6
43041	FBgn0039302	Nup358	285190	RGPD4	5
43041	FBgn0039302	Nup358	729540	RGPD6	5
43041	FBgn0039302	Nup358	727851	RGPD8	5
43041	FBgn0039302	Nup358	400966	RGPD1	5
43041	FBgn0039302	Nup358	84220	RGPD5	4
43041	FBgn0039302	Nup358	729857	RGPD2	3
43041	FBgn0039302	Nup358	5902	RANBP1	2
43041	FBgn0039302	Nup358	9648	GCC2	1
43041	FBgn0039302	Nup358	644591	PPIAL4G	1
43041	FBgn0039302	Nup358	653598	PPIAL4C	1
43041	FBgn0039302	Nup358	645142	PPIAL4D	1
43041	FBgn0039302	Nup358	164022	PPIAL4A	1
43041	FBgn0039302	Nup358	5478	PPIA	1
43041	FBgn0039302	Nup358	653505	PPIAL4B	1
43041	FBgn0039302	Nup358	389842	LOC389842	1
42504	FBgn0023423	slmb	8945	BTRC	10
42504	FBgn0023423	slmb	23291	FBXW11	7
42504	FBgn0023423	slmb	349136	WDR86	1
37247	FBgn0261456	hpo	6788	STK3	9
37247	FBgn0261456	hpo	6789	STK4	7
37247	FBgn0261456	hpo	51765	MST4	1
37247	FBgn0261456	hpo	10494	STK25	1
37247	FBgn0261456	hpo	8428	STK24	1
37247	FBgn0261456	hpo	8428	STK24	1
43620	FBgn0039776	PH4alphaEFB	5033	P4HA1	9
43620	FBgn0039776	PH4alphaEFB	8974	P4HA2	7
43620	FBgn0039776	PH4alphaEFB	283208	P4HA3	1
32588	FBgn0030734	CG9911	23071	ERP44	10
31349	FBgn0029687	Vap-33-1	9217	VAPB	8
31349	FBgn0029687	Vap-33-1	9217	VAPB	8
31349	FBgn0029687	Vap-33-1	9218	VAPA	7
33218	FBgn0004583	ex	122786	FRMD6	3
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33218	FBgn0004583	ex	79981	FRMD1	3

Sheet1

33218	FBgn0004583	ex	2036	EPB41L1	1
38418	FBgn0004167	kst	51332	SPTBN5	9
38418	FBgn0004167	kst	6708	SPTA1	2
38418	FBgn0004167	kst	6708	SPTA1	2
38418	FBgn0004167	kst	6708	SPTA1	2
38418	FBgn0004167	kst	6708	SPTA1	2
38418	FBgn0004167	kst	6708	SPTA1	2
38418	FBgn0004167	kst	6709	SPTAN1	2
38418	FBgn0004167	kst	6712	SPTBN2	1
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38418	FBgn0004167	kst	6710	SPTB	1
38418	FBgn0004167	kst	6710	SPTB	1
38418	FBgn0004167	kst	6710	SPTB	1
38418	FBgn0004167	kst	6710	SPTB	1
38418	FBgn0004167	kst	6711	SPTBN1	1
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38418	FBgn0004167	kst	57731	SPTBN4	1
37851	FBgn0034970	yki	10413	YAP1	4
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37851	FBgn0034970	yki	25937	WWTR1	2
42029	FBgn0015019	Cctgamma	7203	CCT3	10
31016	FBgn0025637	skpA	6500	SKP1	9
38457	FBgn0035471	Sc2	9524	TECR	10
38457	FBgn0035471	Sc2	253017	TECRL	5
37089	FBgn0000658	fj	24147	FJX1	6
34276	FBgn0028479	CG4389	3030	HADHA	10
34276	FBgn0028479	CG4389	3030	HADHA	10
34276	FBgn0028479	CG4389	3030	HADHA	10
34276	FBgn0028479	CG4389	3030	HADHA	10
34276	FBgn0028479	CG4389	1962	EHHADH	1
34276	FBgn0028479	CG4389	1962	EHHADH	1
32537	FBgn0000319	Chc	1213	CLTC	9
32537	FBgn0000319	Chc	8218	CLTCL1	4
43654	FBgn0027598	cindr	30011	SH3KBP1	5
43654	FBgn0027598	cindr	23607	CD2AP	4
43654	FBgn0027598	cindr	23607	CD2AP	4
43654	FBgn0027598	cindr	79729	SH3D21	2
38937	FBgn0035872	CG7185	11052	CPSF6	10
38937	FBgn0035872	CG7185	79869	CPSF7	6
38231	FBgn0250789	alpha-Spec	6709	SPTAN1	10
38231	FBgn0250789	alpha-Spec	6708	SPTA1	5
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38231	FBgn0250789	alpha-Spec	6712	SPTBN2	1
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38231	FBgn0250789	alpha-Spec	6710	SPTB	1
38231	FBgn0250789	alpha-Spec	6710	SPTB	1
38231	FBgn0250789	alpha-Spec	6710	SPTB	1
38231	FBgn0250789	alpha-Spec	6711	SPTBN1	1



Sheet1

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38231	FBgn0250789	alpha-Spec	57731	SPTBN4	1
42634	FBgn0038965	mats	92597	MOB1B	9
42634	FBgn0038965	mats	55233	MOB1A	6
42634	FBgn0038965	mats	79817	MOB3B	2
42634	FBgn0038965	mats	79817	MOB3B	2
42634	FBgn0038965	mats	126308	MOB3A	2
42634	FBgn0038965	mats	148932	MOB3C	1
41013	FBgn0051453	pch2	9319	TRIP13	10
41367	FBgn0037894	Ranbp9	55705	IPO9	10
40933	FBgn0037530	CG2943	23065	EMC1	9
37205	FBgn0010434	cora	2035	EPB41	7
37205	FBgn0010434	cora	23136	EPB41L3	6
37205	FBgn0010434	cora	2037	EPB41L2	6
37205	FBgn0010434	cora	2037	EPB41L2	6
37205	FBgn0010434	cora	2036	EPB41L1	4
39610	FBgn0036448	mop	25930	PTPN23	8
39610	FBgn0036448	mop	10015	PDCD6IP	1
33351	FBgn0000579	Eno	2023	ENO1	9
33351	FBgn0000579	Eno	2026	ENO2	8
33351	FBgn0000579	Eno	2027	ENO3	7
33351	FBgn0000579	Eno	387712	ENO4	2
33351	FBgn0000579	Eno	128178	EDARADD	2
33351	FBgn0000579	Eno	128178	EDARADD	2
33351	FBgn0000579	Eno	128178	EDARADD	2
33351	FBgn0000579	Eno	128178	EDARADD	2
43016	FBgn0046214	vig2	26135	SERBP1	8
43016	FBgn0046214	vig2	22927	HABP4	5
252554	FBgn0053193	sav	60485	SAV1	8
252554	FBgn0053193	sav	11059	WWP1	1
40637	FBgn0037312	CG11999	6388	SDF2	10
40637	FBgn0037312	CG11999	23753	SDF2L1	8
38750	FBgn0035715	CG10103	9798	IST1	10
31964	FBgn0028331	I(1)G0289	84898	PLXDC2	7
31964	FBgn0028331	I(1)G0289	57125	PLXDC1	7
3885565	FBgn0039924	CG17471	8396	PIP4K2B	8
3885565	FBgn0039924	CG17471	5305	PIP4K2A	8
3885565	FBgn0039924	CG17471	79837	PIP4K2C	5
3885565	FBgn0039924	CG17471	138429	PIP5KL1	1
3885565	FBgn0039924	CG17471	8394	PIP5K1A	1
3885565	FBgn0039924	CG17471	23396	PIP5K1C	1
38420	FBgn0027616	YT521-B	91746	YTHDC1	8
42841	FBgn0015795	Rab7	7879	RAB7A	8
42841	FBgn0015795	Rab7	9367	RAB9A	1
45928	FBgn0003392	shi	1759	DNM1	9
45928	FBgn0003392	shi	1785	DNM2	7
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45928	FBgn0003392	shi	1785	DNM2	7
45928	FBgn0003392	shi	1785	DNM2	7
45928	FBgn0003392	shi	1785	DNM2	7
45928	FBgn0003392	shi	26052	DNM3	5

Sheet1

45928	FBgn0003392	shi	26052	DNM3	5
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45928	FBgn0003392	shi	196968	DNM1P46	1
45928	FBgn0003392	shi	729809	DNM1P34	1
45928	FBgn0003392	shi	10059	DNM1L	1
44072	FBgn0020255	ran	5901	RAN	9
44072	FBgn0020255	ran	221547	RANP1	1
44072	FBgn0020255	ran	51715	RAB23	1
35933	FBgn0086656	shrb	128866	CHMP4B	10
35933	FBgn0086656	shrb	29082	CHMP4A	7
35933	FBgn0086656	shrb	92421	CHMP4C	5
35933	FBgn0086656	shrb	91782	CHMP7	1
41173	FBgn0037728	CG16817	10728	PTGES3	9
41173	FBgn0037728	CG16817	51495	PTPLAD1	1
38399	FBgn0035424	CG11505	113251	LARP4	6
38399	FBgn0035424	CG11505	23185	LARP4B	4
36329	FBgn0000253	Cam	808	CALM3	8
36329	FBgn0000253	Cam	801	CALM1	6
36329	FBgn0000253	Cam	810	CALML3	5
36329	FBgn0000253	Cam	285051	C2orf61	3
36329	FBgn0000253	Cam	805	CALM2	2
38489	FBgn0028484	Ack	10188	TNK2	7
38489	FBgn0028484	Ack	8711	TNK1	6
42491	FBgn0025865	Cortactin	2017	CTTN	8
42491	FBgn0025865	Cortactin	3059	HCLS1	8
42491	FBgn0025865	Cortactin	8027	STAM	1
36280	FBgn0011704	RnrS	6241	RRM2	8
36280	FBgn0011704	RnrS	50484	RRM2B	7
36280	FBgn0011704	RnrS	50484	RRM2B	7
36280	FBgn0011704	RnrS	50484	RRM2B	7
34882	FBgn0000317	ck	4647	MYO7A	9
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34882	FBgn0000317	ck	4647	MYO7A	9
34882	FBgn0000317	ck	4648	MYO7B	3
34882	FBgn0000317	ck	51168	MYO15A	1
34882	FBgn0000317	ck	4651	MYO10	1
32987	FBgn0010380	Bap	162	AP1B1	9
32987	FBgn0010380	Bap	163	AP2B1	7
32536	FBgn0003345	sd	7003	TEAD1	8
32536	FBgn0003345	sd	7003	TEAD1	8
32536	FBgn0003345	sd	8463	TEAD2	8
32536	FBgn0003345	sd	7005	TEAD3	8
32536	FBgn0003345	sd	7004	TEAD4	7
42734	FBgn0039055	Rassf	9770	RASSF2	6
42734	FBgn0039055	Rassf	83937	RASSF4	6
42734	FBgn0039055	Rassf	166824	RASSF6	5
42734	FBgn0039055	Rassf	1396	CRIP1	2
42734	FBgn0039055	Rassf	83593	RASSF5	1
42734	FBgn0039055	Rassf	11186	RASSF1	1
42734	FBgn0039055	Rassf	11186	RASSF1	1
42734	FBgn0039055	Rassf	11186	RASSF1	1

Sheet1

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42734	FBgn0039055	Rassf	11186	RASSF1	1
42734	FBgn0039055	Rassf	11186	RASSF1	1
42734	FBgn0039055	Rassf	283349	RASSF3	1
38612	FBgn0035600	CG4769	1537	CYC1	10
31904	FBgn0027084	Aats-lys	3735	KARS	10
37528	FBgn0028734	Fmr1	9513	FXR2	8
37528	FBgn0028734	Fmr1	8087	FXR1	8
37528	FBgn0028734	Fmr1	2332	FMR1	6
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37528	FBgn0028734	Fmr1	2332	FMR1	6
37528	FBgn0028734	Fmr1	2332	FMR1	6
33418	FBgn0014010	Rab5	5869	RAB5B	9
33418	FBgn0014010	Rab5	5869	RAB5B	9
33418	FBgn0014010	Rab5	5878	RAB5C	9
33418	FBgn0014010	Rab5	5868	RAB5A	8
33418	FBgn0014010	Rab5	6236	RRAD	1
33418	FBgn0014010	Rab5	57403	RAB22A	1
41320	FBgn0037856	CG4674	10628	TXNIP	2
41320	FBgn0037856	CG4674	92714	ARRDC1	1
41320	FBgn0037856	CG4674	27106	ARRDC2	1
41320	FBgn0037856	CG4674	91947	ARRDC4	1
41320	FBgn0037856	CG4674	57561	ARRDC3	1
40506	FBgn0010348	Arf79F	375	ARF1	9
40506	FBgn0010348	Arf79F	377	ARF3	4
40506	FBgn0010348	Arf79F	381	ARF5	2
40506	FBgn0010348	Arf79F	378	ARF4	2
40506	FBgn0010348	Arf79F	100996709	LOC100996709	1
40506	FBgn0010348	Arf79F	100506084	ARL17B	1
39521	FBgn0036373	CG10741			

Sheet1

<b>Disease/Trait</b>	<b>Source</b>
Oculopharyngeal muscular dystrophy, 164300 (3)	OMIM
Congenital disorder of glycosylation, type I <sub>r</sub> , 614507 (3)	OMIM
Ventricular conduction	GWAS
Brody myopathy, 601003 (3)	OMIM
Weight	GWAS
Body mass index	GWAS
Acrokeratosis verruciformis, 101900 (3)	OMIM
Darier disease, 124200 (3)	OMIM
Protein quantitative trait loci	GWAS
Attention deficit hyperactivity disorder	GWAS
Hailey-Hailey disease, 169600 (3)	OMIM
Multiple sclerosis	GWAS
IgE grass sensitization	GWAS
HDL cholesterol	GWAS
Deafness, autosomal dominant 48, 607841 (3)	OMIM
Hypertension risk in short sleep duration	GWAS
Pancreatic cancer	GWAS
Glomerulosclerosis, focal segmental, 6, 614131 (3)	OMIM
Liver enzyme levels (gamma-glutamyl transferase)	GWAS
Height	GWAS
Trifunctional protein deficiency, 609015 (3)	OMIM
Type 2 diabetes	GWAS
Endometrial cancer	GWAS
Acyl-CoA dehydrogenase, medium chain, deficiency of, 201450 (3)	OMIM
Metabolic traits	GWAS
Metabolite levels	GWAS
Acyl-CoA dehydrogenase, short-chain, deficiency of, 201470 (3)	OMIM
Metabolic traits	GWAS
Metabolite levels	GWAS

Sheet1

2-methylbutyrylglucosuria, 610006 (3)	OMIM
Isobutyryl-CoA dehydrogenase deficiency, 611283 (3)	OMIM
Amyotrophic lateral sclerosis 14, with or without frontotemporal dementia	OMIM
Inclusion body myopathy with early-onset Paget disease and frontotemporal dementia	OMIM
Height	GWAS
Amyotrophic lateral sclerosis 6, autosomal recessive, with or without frontotemporal dementia	OMIM
Tremor, hereditary essential, 4, 614782 (3)	OMIM
Ewing sarcoma, 612219 (3)	OMIM
Neuroepithelioma, 612219 (3)	OMIM
Chondrosarcoma, extraskeletal myxoid, 612237 (1)	OMIM
Chondrosarcoma, extraskeletal myxoid, 612237 (3)	OMIM
Mucopolysaccharidosis VII, 253220 (3)	OMIM
Maple syrup urine disease, type Ia, 248600 (3)	OMIM
Maple syrup urine disease, type Ib, 248600 (3)	OMIM
Maple syrup urine disease, type II, 248600 (3)	OMIM
Maple syrup urine disease, type III, 248600 (3)	OMIM
Rheumatoid arthritis	GWAS
Type 2 diabetes	GWAS
Fasting glucose-related traits (interaction with BMI)	GWAS
Proinsulin levels	GWAS
Response to TNF antagonist treatment	GWAS
Agnesis of the corpus callosum with peripheral neuropathy, 21800	OMIM
Height	GWAS
Chronic kidney disease	GWAS
Nephronophthisis-like nephropathy 1, 613159 (3)	OMIM
Prolidase deficiency, 170100 (3)	OMIM
Adiponectin levels	GWAS
Type 2 diabetes	GWAS
Fasting insulin-related traits (interaction with BMI)	GWAS

Sheet1

Attention deficit hyperactivity disorder and conduct disorder	GWAS
Miller-Dieker lissencephaly syndrome (4)	OMIM
Heart rate variability traits	GWAS
Multiple sclerosis	GWAS
Microcephaly with or without chorioretinopathy, lymphedema, or meckel-clarke syndrome	OMIM
Type 2 diabetes	GWAS
Bipolar disorder and major depressive disorder (combined)	GWAS
Cognitive performance	GWAS
{Deafness, autosomal recessive 12, modifier of}, 601386 (3)	OMIM
Deafness, autosomal recessive 12, 601386 (3)	OMIM
Usher syndrome, type 1D, 601067 (3)	OMIM
Usher syndrome, type 1D/F digenic, 601067 (3)	OMIM
Obesity	GWAS
Alzheimer's disease (age of onset)	GWAS
Fibrinogen	GWAS
Immune response to smallpox (secreted IL-1beta)	GWAS
Leukemia, Philadelphia chromosome-positive, resistant to imatinib	OMIM
?Arrhythmogenic right ventricular dysplasia 5, 604400 (1)	OMIM
Dentatorubro-pallidoluysian atrophy, 125370 (3)	OMIM
Griscelli syndrome, type 1, 214450 (3)	OMIM
Microvillus inclusion disease, 251850 (3)	OMIM
Cardiomyopathy, dilated, 1S, 613426 (3)	OMIM
Cardiomyopathy, familial hypertrophic, 1, 192600 (3)	OMIM
Cardiomyopathy, familial hypertrophic, 192600 (3)	OMIM
Cardiomyopathy, hypertrophic, midventricular, digenic, 192600 (3)	OMIM
Laing distal myopathy, 160500 (3)	OMIM
Left ventricular noncompaction 5, 613426 (3)	OMIM
Myopathy, myosin storage, 608358 (3)	OMIM
Scapuloperoneal syndrome, myopathic type, 181430 (3)	OMIM
Resting heart rate	GWAS
Deafness, autosomal dominant 17, 603622 (3)	OMIM
Epstein syndrome, 153650 (3)	OMIM

Sheet1

Fechtner syndrome, 153640 (3)	OMIM
Macrothrombocytopenia and progressive sensorineural deafness, 6	OMIM
May-Hegglin anomaly, 155100 (3)	OMIM
Sebastian syndrome, 605249 (3)	OMIM
End-stage renal disease (non-diabetic)	GWAS
Glomerulosclerosis	GWAS
Optic disc size (rim)	GWAS
Anticoagulant levels	GWAS
Prothrombin time	GWAS
Aortic aneurysm, familial thoracic 4, 132900 (3)	OMIM
Arthrogyrosis multiplex congenita, distal, type 2B, 601680 (3)	OMIM
Arthrogyrosis, distal, type 2A, 193700 (3)	OMIM
Arthrogyrosis, distal, type 2B, 601680 (3)	OMIM
Arthyrgyrosis, distal, type 2B, 601680 (3)	OMIM
Carney complex variant, 608837 (3)	OMIM
Trismus-pseudocamptodactyly syndrome, 158300 (3)	OMIM
Hemostatic factors and hematological phenotypes	GWAS
Deafness, autosomal dominant 4A, 600652 (3)	OMIM
Peripheral neuropathy, myopathy, hoarseness, and hearing loss, 61	OMIM
{Sick sinus syndrome 3}, 614090 (3)	OMIM
Atrial septal defect 3, 614089 (3)	OMIM
Cardiomyopathy, dilated, 1EE, 613252 (3)	OMIM
Cardiomyopathy, familial hypertrophic, 1, 192600 (3)	OMIM
Cardiomyopathy, familial hypertrophic, 14, 613251 (3)	OMIM
Cardiomyopathy, familial hypertrophic, 192600 (3)	OMIM
Cardiomyopathy, hypertrophic, midventricular, digenic, 192600 (3)	OMIM
Resting heart rate	GWAS
Electrocardiographic traits	GWAS
Inclusion body myopathy-3, 605637 (3)	OMIM
Combined oxidative phosphorylation deficiency 4, 610678 (3)	OMIM
Body mass index	GWAS
Parkinson disease 18, 614251 (3)	OMIM
Ulcerative colitis	GWAS

Sheet1

Height	GWAS
Seckel syndrome 6, 614728 (3) Height	OMIM GWAS
Myotonic dystrophy 1, 160900 (3)	OMIM
Brain imaging in schizophrenia (interaction) Coronary heart disease	GWAS GWAS
Visceral fat	GWAS
Leukodystrophy, hypomyelinating, 4, 612233 (3)	OMIM
Spastic paraplegia 13, autosomal dominant, 605280 (3)	OMIM
Response to platinum-based chemotherapy in non-small-cell lung c	GWAS
Neuropathy, paraneoplastic sensory (1)	OMIM
Breast size	GWAS
Estradiol levels	GWAS
Mean platelet volume	GWAS
Leukodystrophy, hypomyelinating, 7, with or without oligodontia anc	OMIM
Alternating hemiplegia of childhood 2, 614820 (3)	OMIM
Dystonia-12, 128235 (3)	OMIM
Alternating hemiplegia of childhood, 104290 (3)	OMIM
Migraine, familial basilar, 602481 (3)	OMIM
Migraine, familial hemiplegic, 2, 602481 (3)	OMIM
Acrokeratosis verruciformis, 101900 (3)	OMIM
Darier disease, 124200 (3)	OMIM
Protein quantitative trait loci	GWAS



Sheet1

Brody myopathy, 601003 (3)	OMIM
Weight	GWAS
Body mass index	GWAS
Deafness, autosomal dominant 22, 606346 (3)	OMIM
Deafness, autosomal dominant 22, with hypertrophic cardiomyopathy	OMIM
Deafness, autosomal recessive 37, 607821 (3)	OMIM
Hypertension	GWAS
Inclusion body myopathy-3, 605637 (3)	OMIM
Hypertension risk in short sleep duration	GWAS
Pancreatic cancer	GWAS
Deafness, autosomal dominant 48, 607841 (3)	OMIM
Glomerulosclerosis, focal segmental, 6, 614131 (3)	OMIM
Liver enzyme levels (gamma-glutamyl transferase)	GWAS
Height	GWAS
HDL cholesterol	GWAS
Spermatogenic failure 10, 614822 (3)	OMIM
Amyotrophy, hereditary neuralgic, 162100 (3)	OMIM
Leukemia, acute myeloid, therapy-related (1)	OMIM
Ovarian carcinoma (1)	OMIM
Airflow obstruction	GWAS
Body mass index	GWAS
Height	GWAS
Mitochondrial phosphate carrier deficiency, 610773 (3)	OMIM
Glycogen storage disease XII, 611881 (3)	OMIM
Fructose intolerance, 229600 (3)	OMIM
Liver enzyme levels (alkaline phosphatase)	GWAS
Eye color traits	GWAS
Total ventricular volume	GWAS
Brain structure	GWAS
Non-alcoholic fatty liver disease histology (lobular)	GWAS

Sheet1

Paget disease of bone, 602080 (2)	OMIM
Paget disease of bone, 602080 (3)	OMIM
Miller-Dieker lissencephaly syndrome (4)	OMIM
Attention deficit hyperactivity disorder and conduct disorder	GWAS
Heart rate variability traits	GWAS
Multiple sclerosis	GWAS
Metabolic syndrome	GWAS
?Stomatocytosis I, 185000 (1)	OMIM
Nephrotic syndrome, type 2, 600995 (3)	OMIM
Height	GWAS
Spermatogenic failure 10, 614822 (3)	OMIM
Amyotrophy, hereditary neuralgic, 162100 (3)	OMIM
Leukemia, acute myeloid, therapy-related (1)	OMIM
Ovarian carcinoma (1)	OMIM
Airflow obstruction	GWAS
Body mass index	GWAS
{Deafness, autosomal recessive 12, modifier of}, 601386 (3)	OMIM
Deafness, autosomal recessive 12, 601386 (3)	OMIM
Usher syndrome, type 1D, 601067 (3)	OMIM
Usher syndrome, type 1D/F digenic, 601067 (3)	OMIM
Bipolar disorder and major depressive disorder (combined)	GWAS
Cognitive performance	GWAS
Alzheimer's disease (age of onset)	GWAS

Sheet1

Fibrinogen	GWAS
Immune response to smallpox (secreted IL-1beta)	GWAS
Obesity	GWAS

Working memory	GWAS
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Liver enzyme levels (gamma-glutamyl transferase)	GWAS
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Pycnodysostosis, 265800 (3)	OMIM
Melanoma	GWAS
Bipolar disorder	GWAS

Liver enzyme levels (gamma-glutamyl transferase)	GWAS
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Weight	GWAS
Neonatal lupus	GWAS

Response to TNF-alpha inhibitors in rheumatoid arthritis	GWAS
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Cardiofaciocutaneous syndrome, 115150 (3)	OMIM
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Cardiofaciocutaneous syndrome, 115150 (3)	OMIM
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Nemaline myopathy 2, autosomal recessive, 256030 (3)	OMIM
--	------

Cognitive performance	GWAS
Heart failure	GWAS
Multiple sclerosis	GWAS
Parkinson's disease	GWAS
Height	GWAS

Sheet1

{Meningioma, familial, susceptibility to}, 607174 (3)	OMIM
{Meningioma}, 607174 (3)	OMIM
Meningioma, 607174 (3)	OMIM
Meningioma, NF2-related, somatic, 607174 (3)	OMIM
Neurofibromatosis, type 2, 101000 (3)	OMIM
Schwannomatosis, 162091 (3)	OMIM
Carotid atherosclerosis in HIV infection	GWAS
Deafness, autosomal recessive 24, 611022 (3)	OMIM

{Encephalopathy, acute, infection-induced, 3, susceptibility to}, 608 OMIM

Alcohol and nicotine co-dependence GWAS

Height GWAS

T-cell immunodeficiency, recurrent infections, autoimmunity, and c: OMIM

Alzheimer's disease GWAS

Longevity GWAS

Crohn's disease GWAS

Amyotrophic lateral sclerosis 8, 608627 (3) OMIM

Spinal muscular atrophy, late-onset, Finkel type, 182980 (3) OMIM

Total ventricular volume GWAS

Anticoagulant levels GWAS

Brain structure GWAS

Hippocampal atrophy GWAS

Immune response to smallpox (secreted IL-2) GWAS

Sheet1

Mental retardation, autosomal dominant 11, 614257 (3)	OMIM
Elliptocytosis-2, 130600 (3)	OMIM
Pyropoikilocytosis, 266140 (3)	OMIM
Spherocytosis, type 3, 270970 (3)	OMIM
Glycated hemoglobin levels	GWAS
Other erythrocyte phenotypes	GWAS
Epileptic encephalopathy, early infantile, 5, 613477 (3)	OMIM
Spinocerebellar ataxia 5, 600224 (3)	OMIM
Bipolar disorder	GWAS
Anemia, neonatal hemolytic, fatal and near-fatal (3)	OMIM
Elliptocytosis-3 (3)	OMIM
Spherocytosis, type 2 (3)	OMIM
Bone mineral density (spine)	GWAS
Myopia (pathological)	GWAS
MRI atrophy measures	GWAS
Polycystic ovary syndrome	GWAS
Subcutaneous adipose tissue	GWAS
Mental retardation, autosomal recessive 14, 614020 (3)	OMIM
Kawasaki disease	GWAS
Fatty liver, acute, of pregnancy, 609016 (3)	OMIM
HELLP syndrome, maternal, of pregnancy, 609016 (3)	OMIM
LCHAD deficiency, 609016 (3)	OMIM
Trifunctional protein deficiency, 609015 (3)	OMIM
Cognitive performance	GWAS
Major depressive disorder	GWAS
Glomerulosclerosis, focal segmental, 3, 607832 (3)	OMIM
Alzheimer's disease (late onset)	GWAS
Height	GWAS
Epileptic encephalopathy, early infantile, 5, 613477 (3)	OMIM
Elliptocytosis-2, 130600 (3)	OMIM
Pyropoikilocytosis, 266140 (3)	OMIM
Spherocytosis, type 3, 270970 (3)	OMIM
Glycated hemoglobin levels	GWAS
Other erythrocyte phenotypes	GWAS
Spinocerebellar ataxia 5, 600224 (3)	OMIM
Bipolar disorder	GWAS
Anemia, neonatal hemolytic, fatal and near-fatal (3)	OMIM
Elliptocytosis-3 (3)	OMIM
Spherocytosis, type 2 (3)	OMIM
Bone mineral density (spine)	GWAS

Sheet1

Myopia (pathological)	GWAS
Amyotrophic lateral sclerosis	GWAS
Heart failure	GWAS
Brain structure	GWAS
Elliptocytosis-1, 611804 (3)	OMIM
Response to statin therapy (LDL-C)	GWAS
Lentiform nucleus volume	GWAS
Mental retardation, autosomal dominant 11, 614257 (3)	OMIM
Visceral adipose tissue adjusted for BMI	GWAS
Enolase deficiency (1)	OMIM
Glycogen storage disease XIII, 612932 (3)	OMIM
Ectodermal dysplasia, anhidrotic, autosomal dominant, 129490 (3)	OMIM
Ectodermal dysplasia, anhidrotic, autosomal recessive, 224900 (3)	OMIM
Ectodermal dysplasia, hypohidrotic, autosomal dominant, 129490 (3)	OMIM
Ectodermal dysplasia, hypohidrotic, autosomal recessive, 224900 (3)	OMIM
Crohn's disease	GWAS
Attention deficit hyperactivity disorder and conduct disorder	GWAS
Diabetic retinopathy	GWAS
Height	GWAS
Rheumatoid arthritis	GWAS
Lethal congenital contractural syndrome 3, 611369 (3)	OMIM
Charcot-Marie-Tooth disease, type 2B, 600882 (3)	OMIM
Attention deficit hyperactivity disorder	GWAS
{Centronuclear myopathy, autosomal, modifier of}, 160150 (3)	OMIM
Charcot-Marie-Tooth disease, axonal, type 2M, 606482 (3)	OMIM
Charcot-Marie-Tooth disease, dominant intermediate B, 606482 (3)	OMIM
Myopathy, centronuclear, 160150 (3)	OMIM
Coronary heart disease	GWAS
Waist-hip ratio	GWAS

Sheet1

Height GWAS  
 Mean platelet volume GWAS

Encephalopahty, lethal, due to defective mitochondrial peroxisomal OMIM

Carpenter syndrome, 201000 (3) OMIM  
 Cataract, posterior polar, 3, 605387 (3) OMIM

Response to statin therapy GWAS  
 Dialysis-related mortality GWAS

Mitochondrial DNA depletion syndrome 8A (encephalomyopathic ty OMIM  
 Mitochondrial DNA depletion syndrome 8B (MNGIE type), 612075 ( OMIM  
 Progressive external ophthalmoplegia with mitochondrial DNA dele OMIM  
 Deafness, autosomal dominant 11, 601317 (3) OMIM  
 Deafness, autosomal recessive 2, 600060 (3) OMIM  
 Usher syndrome, type 1B, 276900 (3) OMIM

Deafness, autosomal recessive 3, 600316 (3) OMIM

Carotid atherosclerosis in HIV infection GWAS

Sveinsson choreoretinal atrophy, 108985 (3) OMIM  
 Height GWAS

{Lung cancer, protection against}, 211980 (3) OMIM  
 {Lung cancer, resistance to}, 211980 (3) OMIM  
 {Lung cancer, susceptibility to}, 211980 (3) OMIM

Sheet1

{Nonsmall cell lung cancer, susceptibility to}, 211980 (3)	OMIM
Adenocarcinoma of lung, response to tyrosine kinase inhibitor in, 2'	OMIM
Adenocarcinoma of lung, somatic, 211980 (3)	OMIM
Lung cancer, 211980 (1)	OMIM
Lung cancer, 211980 (2)	OMIM
Lung cancer, 211980 (3)	OMIM
Lung cancer, somatic, 211980 (3)	OMIM
Nonsmall cell lung cancer, response to tyrosine kinase inhibitor in, :	OMIM
Nonsmall cell lung cancer, somatic, 211980 (3)	OMIM

Charcot-Marie-Tooth disease, recessive intermediate, B, 613641 (3)	OMIM
Sex hormone-binding globulin levels	GWAS
Schizophrenia	GWAS
Fragile X syndrome, 300624 (3)	OMIM
Fragile X tremor/ataxia syndrome, 300623 (3)	OMIM
Premature ovarian failure 1, 311360 (3)	OMIM
Antineutrophil cytoplasmic antibody-associated vasculitis	GWAS
Type 1 diabetes	GWAS
Polycystic ovary syndrome	GWAS

Neuroticism	GWAS
Subcutaneous adipose tissue	GWAS



Type of file: table

Label: Table S6

Filename: 2013-Kwon-Science-Hippo\_table\_S6.xls

(A) entire Hippo-PPIN

ComplexID	Complex Score	P-value	Size
FC5561	1	2.89341618770299e-267	5
FC939	1	2.54150165579626e-52	3
FC442	1	2.54150165579626e-52	3
FC4391	1	2.54150165579626e-52	3
FC1109	0.99	2.84100786050043e-51	3
FC2516	0.99	2.84100786050043e-51	3
FC1611	0.99	2.84100786050043e-51	3
FC139	0.99	2.84100786050043e-51	3
FC338	0.985	2.58573973768224e-204	4
FC3472	0.972	0	9
FC3501	0.96	3.42801217872905e-48	3
FC2025	0.935	5.3942230777755e-184	4
FC3622	0.845	1.86852313890594e-152	6
FC5993	0.7733333333	3.09402968839866e-159	5
FC2304	0.77	6.87196739596841e-31	3
FC2429	0.77	6.87196739596841e-31	3
FC4759	0.735	0	10
FC6121	0.7275	1.20509155311061e-112	6
FC5009	0.725	2.99530998628188e-110	4
FC376	0.7	0	8
FC2716	0.6925	6.03015808756715e-102	6
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FC5980	0.6725	4.52265862489505e-96	6
FC2285	0.67	2.55265764899546e-23	3
FC6008	0.668	0	9
FC5947	0.666666667	5.27643257242244e-118	5
FC5695	0.6633333333	8.16166581223231e-117	5
FC641	0.66	1.27557366192804e-22	3
FC6308	0.6475	5.68815984460322e-89	6
FC5511	0.6475	5.68815984460322e-89	6
FC5224	0.6425	0	8
FC5746	0.636	0	9
FC6347	0.626666667	3.97537453395164e-104	5
FC4285	0.62	1.78258004350331e-81	6
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FC5349	0.6	1.1897800574984e-18	3
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FC2883	0.57	8.26610312752635e-17	3
FC1889	0.55	1.23654543945063e-15	3
FC4645	0.5425	4.06997144962685e-62	6
FC4111	0.54	0	15
FC1366	0.54	0	10
FC4811	0.5325	8.26976030676704e-60	6

(A) entire Hippo-PPIN

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FC2120	0.53 1.51232273095877e-58		4
FC6017	0.525555556	0	15
FC5548	0.516666667 2.0124225665123e-70		5
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FC5300	0.5	0	15
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FC5204	0.498888889	0	15
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FC3996	0.468 5.04336580923982e-292		9
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FC3130	0.46 6.30743902305233e-44		4
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FC4732	0.38	9.11864880338069e-30	4
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(A) entire Hippo-PPIN

FBgn0000319;FBgn0024814;FBgn0012036;FBgn0035147;FBgn0036309  
FBgn0085201;FBgn0001258;FBgn0000100;FBgn0031492;FBgn0004227  
FBgn0087035;FBgn0028734;FBgn0261931;FBgn0038609;FBgn0039016  
FBgn0087035;FBgn0031951;FBgn0034246;FBgn0037328;FBgn0003279  
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FBgn0040064;FBgn0033879;FBgn0028479;FBgn0033883;FBgn0025352;FBgn00  
FBgn0000045;FBgn0000043;FBgn0261458;FBgn0000042;FBgn0033075;FBgn00  
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FBgn0040273;FBgn0037081;FBgn0019949;FBgn0003277;FBgn0002780  
FBgn0086357;FBgn0053303;FBgn0261593;FBgn0026409;FBgn0019830;FBgn00  
FBgn0010380;FBgn0263351;FBgn0024833;FBgn0030089;FBgn0039132  
FBgn0034133;FBgn0016691;FBgn0016120;FBgn0020235  
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FBgn0000317;FBgn0011225;FBgn0002938;FBgn0004687;FBgn0005634;FBgn00  
FBgn0027496;FBgn0035195;FBgn0010348;FBgn0029687;FBgn0037108;FBgn00  
FBgn0029975;FBgn0014868;FBgn0039304;FBgn0033048;FBgn0086357;FBgn00  
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FBgn0261064;FBgn0014009;FBgn0261049;FBgn0014010;FBgn0032429;FBgn00  
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FBgn0038474;FBgn0039129;FBgn0025286;FBgn0039359;FBgn0029897;FBgn00  
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FBgn0003392;FBgn0023388;FBgn0035533;FBgn0003683;FBgn0036666;FBgn00  
FBgn0262126;FBgn0038947;FBgn0033460;FBgn0262125;FBgn0033339;FBgn00  
FBgn0260439;FBgn0031549;FBgn0037894;FBgn0035771;FBgn0003742;FBgn00  
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FBgn0027338;FBgn0020255;FBgn0011823;FBgn0031145;FBgn0037924;FBgn00  
FBgn0027338;FBgn0020255;FBgn0022213;FBgn0011823;FBgn0020497;FBgn00  
FBgn0029975;FBgn0014868;FBgn0038922;FBgn0030670;FBgn0086357;FBgn00  
FBgn0029975;FBgn0014868;FBgn0051729;FBgn0028419;FBgn0086357;FBgn00  
FBgn0029975;FBgn0014868;FBgn0035195;FBgn0030670;FBgn0086357;FBgn00  
FBgn0085201;FBgn0034259;FBgn0039936;FBgn0005411;FBgn0038090

(A) entire Hippo-PPIN

FBgn0004856;FBgn0031621;FBgn0035136;FBgn0030365;FBgn0052528;FBgn0017550;FBgn0085436;FBgn0032796;FBgn0000258;FBgn0033984;FBgn0025724;FBgn0037549;FBgn0025725;FBgn0037610  
FBgn0029975;FBgn0014868;FBgn0037203;FBgn0029709;FBgn0086357;FBgn004907;FBgn0020238;FBgn0013276;FBgn0003079;FBgn0012036;FBgn0034141;FBgn0035872;FBgn0036023;FBgn0035987;FBgn0261641;FBgn00260934;FBgn0004907;FBgn0028833;FBgn0041210;FBgn0038197;FBgn00260934;FBgn0004907;FBgn0032670;FBgn0034145;FBgn0041210;FBgn0020224;FBgn0027598;FBgn0024811;FBgn0020622;FBgn0035101;FBgn00259139;FBgn0004237;FBgn0037906;FBgn0001215  
FBgn0000044;FBgn0261458;FBgn0025865;FBgn0000246;FBgn0011703;FBgn0011823;FBgn0050447;FBgn0061200;FBgn0033264  
FBgn0004856;FBgn0035136;FBgn0261609;FBgn0030719;FBgn0027835;FBgn0053886;FBgn0037354;FBgn0002031;FBgn0033250;FBgn0010551  
FBgn0030313;FBgn0016700;FBgn0004381;FBgn0028970;FBgn0016701;FBgn0027873;FBgn0037248;FBgn0019949;FBgn0025455;FBgn0003277;FBgn0011211;FBgn0001258;FBgn0035032;FBgn0014391;FBgn0016691;FBgn0005585;FBgn0036812;FBgn0037728;FBgn0035904;FBgn0032198;FBgn0029512;FBgn0029113;FBgn0037715;FBgn0013726;FBgn0026170;FBgn0051992;FBgn0004903;FBgn0052685;FBgn0029979;FBgn0261710  
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(A) entire Hippo-PPIN

**Members\_GeneSymbol**

mats;wts;Rassf;hpo;sav  
AP-2sigma;Bap;alpha-Adaptin  
14-3-3zeta;Hsf;14-3-3epsilon  
yki;sd;nerfin-1  
Eps-15;Hrs;Stam  
jar;didum;unc-45  
jar;And;Cam  
ran;Nup358;Fs(2)Ket  
Dap160;Eps-15;Reps;Past1  
Chc;Su(dx);Past1;Cortactin;drk;mop;hpo;ena;Hip1  
Atpalpha;Cp1;CG11210  
shi;jar;Cortactin;Lasp  
CG1416;Hel25E;Arf79F;Gmd;Nup50;sec13  
Gp93;CG6370;Ost48;Hel25E;Arf79F  
ssp;RPA2;RpA-70  
CG15220;RPA2;RpA-70  
Chc;Past1;Cortactin;drk;Clc;Cpn;hpo;Act87E;ena;Hip1  
mats;Zyx;wts;hpo;d;ena  
skpA;Eb1;CG3689;CG33145  
Cctgamma;CG7033;Tcp-1eta;T-cp1;Cct5;CG5525;Tcp-1zeta;CG8258  
CG7185;Nedd4;CG3689;Su(dx);Rpl1215;lig  
Mec2;cathD;Suchb;CG5854;CG12262  
Chc;Clc;Past1;Gale;Hip1;CG12264  
shrb;Vps4;kat-60L1  
Hira;Cctgamma;CG7033;Tcp-1eta;T-cp1;Cct5;CG5525;CG8258;Tcp-1zeta  
Mob2;mats;trc;wts;hpo  
cathD;Suchb;Cp1;Pis;CG12262  
Dgp-1;tum;pav  
mop;TSG101;Hrs;Stam;Plap;drk  
ran;Cct5;Nup358;RanGap;yata;Nxt1  
Pp2B-14D;Cctgamma;CG7033;Pros45;Aats-asn;Rpt1;CG1416;Tcp-1zeta  
Chc;Rab1;Rab2;Rab6;CG31523;Rab5;CG31522;Arf79F;Rab7  
shi;Dap160;Nek2;Pkn;drk  
Chc;Rab2;Rab5;Rab11;Arf79F;Hip1  
synj;Cortactin;Sop2;Pez;ena;drk  
Hrb87F;Pep;nonA  
spri;Hrs;Stam  
CG5168;Hrs;Stam  
Chc;Clc;Past1;Rab5;Prx3;Hip1  
ran;Nup358;Rab23;Bj1;RanGap;emb;Nxt1  
CG1444;Rab2;Rpp30;Suchb;Gie;skap;Hel25E;Cctgamma;wal;Gp93;Droj2;C  
CadN;ft;Myo61F;ds  
CG34133;Arf79F;Rab11;sec23;sec31;sec13  
Suchb;CG5525;Pros45;Tcp-1zeta;CG8258;Rpt1;CG12264  
CG10311;l(2)37Cc;l(2)03709  
Chc;Clc;Hsc70Cb  
Nufip;CG7288;CG5174;14-3-3zeta;l(2)37Cc;l(2)03709  
CG1444;CG11697;Rab1;Rab2;betaggt-II;CG33303;Mec2;Sc2;hop;Rab6;C  
ImpL3;PyK;Aats-asn;sta;Droj2;CG1416;mt;Coll;R;CG4169;Tcp-1zeta  
wal;cathD;Gie;skap;CG1907;CG12262

(A) entire Hippo-PPIN

PpV;CG7033;T-cp1;Tcp-1eta;Cct5;slmb;Tap42;tws;CG8258;Tcp-1zeta  
pnut;Sep2;Sep5;Sep1  
CG1444;Rab1;Rab2;Rheb;betaggt-II;Gie;CG33303;wal;Mec2;Rab6;CG141  
Chc;croc;Clc;Dp1;Hip1  
CG1444;Rab1;ImpL3;MED26;Rab2;Gie;Hel25E;CG33303;wal;Mec2;CG16  
CG1444;ImpL3;Rab2;CG5840;Hel25E;CG33303;Mec2;Tapdelta;ox;Rab5;C  
phl;14-3-3zeta;Dsor1;14-3-3epsilon  
14-3-3zeta;CG15803;yki;sd;Patj;inaD  
Ost48;jagn;CG5885;CG33253  
phl;14-3-3zeta;CG11350;14-3-3epsilon  
Rpp30;Sucb;skap;Hel25E;Cctgamma;Ucp4B;Aats-asn;Rpt1;wal;Gp93;Gfat  
Chc;shrb;B52;lolal  
ran;Nup358;sbr;Sk2;RanGap;Nxt1  
CycA;ran;Nup358;Sk2;RanGap;Nxt1  
CG1444;Rab1;ImpL3;Rab2;Vps4;Gie;CG33303;wal;CG1416;Arf79F;Fatp;C  
Rab1;Rab2;betaggt-II;CG33303;CG2064;Mec2;wal;Rab6;CG1416;Rab5;m  
CG10877;ATPsyn-gamma;CG8778  
Nle;Cctgamma;CG7033;Tcp-1eta;Rpt1;Cct5;CG5525;Arp87C;CG8258;Tcp  
Gp93;P58IPK;CG2990;RPA2;RpA-70  
14-3-3zeta;Pi3K21B;InR;chico;sta;CG4169  
CG15784;CG11697;Rab1;Gdi;Rab6;Rab5;Rab7;CG3711  
Dap160;Cip4;Vrp1;Past1;rhea;drk;hpo;TSG101;WASp  
Sucb;Pi3K68D;skap;Cnx99A;CG33303;EfTuM;wal;Gp93;Aats-glupro;Gfat2  
abs;CG7023;fax;Vap-33-1  
viaf;CG7033;Tcp-1eta;T-cp1;Cct5;CG5525;shd;CG3313;CG8258  
Cp1;CG7033;T-cp1;Tcp-1eta;Cct5;CG18179;CG3313;tws;Tap42;CG8258;  
Chc;CG7033;T-cp1;Tcp-1eta;Cct5;CG11178;Tap42;tws;CG8258;CG12333  
CG1444;CG11697;Rab1;Rab2;eIF-2beta;CG33303;CG2064;Mec2;hop;Ral  
CG9062;Cctgamma;CG7033;Pros45;Tbp-1;Rpt1;CG1416;Rpt4;Tcp-1zeta  
Rab1;tkv;Rab6;Arf79F;SsRbeta;KdelR  
Mec2;sug;Ranbp9;CG4476;mt;Coll;CG4169  
CG1444;Ost48;Rpp30;Sucb;Kr-h2;Nup154;skap;CG33303;Gp93;Gyk;Droj2  
CG1444;Rab1;Rab2;Rpp30;Sucb;skap;CG33303;Droj2;Gp93;wal;CG1416;  
sec23;CG9536;sec31;sec13  
CG18301;sec23;sec31;sec13  
shi;Ref1;Ref2;opa1-like  
l(2)k12914;Ost48;CG6370;CG1518;CG7830;OstStt3;CG33303  
CG7275;viaf;Cctgamma;CG7033;caz;CG2812;T-cp1;Tcp-1eta;Cct5;CG55;  
LanB2;CG7275;viaf;Cctgamma;CG7033;CG2812;T-cp1;Tcp-1eta;Cct5;Enc  
Chc;CG1444;Past1;Gie;Ranbp9;CG33303;Gyk;wal;Gfat2;Mec2;Cyp12d1-c  
CG7185;CG18179;CG2199;CG3689;ArfGAP3;Ef1alpha48D  
RpLP0;AP-47;CG11876;Rpn1;Cctgamma;Aats-asn;EfTuM;CG8199;Mpcp;  
Pp2A-29B;Cnx99A;Tcp-1eta;Aats-glupro;Mpcp;CG6370;CG17259;MRP;C  
CG15220;RecQ5;mus309;RPA2;RpA-70  
beta'Cop;CG7878;alphaCop  
CG7768;Cyp1;AIF  
Chc;croc;Ost48;CG8408;Pp2A-29B;Ranbp9;Sec61alpha;Karybeta3;Hip14;  
CG7185;CG18179;CG2199;CG3689;CG42724;CG9911;CG31235  
Mob2;mats;Cdk4;wts;hpo;cdc2c;Cdc37  
bocksbeutel;Ote;CG2199  
Sucb;CG11876;skap;Rpn1;Cnx99A;Cctgamma;betaCop;EfTuM;CG8199;A

(A) entire Hippo-PPIN

Atpalpha;Snx6;CG2774;Ubi-p5E;Tctp;Sap47  
Ref1;Ref2;Hel25E;tex  
CG1444;Ost48;Kr-h2;Sec61alpha;CG10962;CG33303;wal;Gp93;Kap-alpha  
CG10077;mor;CG7185;Psi;ZAP3  
ATPsyn-gamma;Pk17E;CG12262;Pros26  
Chc;IqfR;Clc;Bap;CG41099;CG3529  
Ku80;RPA2;RpA-70;Irbp  
Chc;Clc;Past1;Cdc6;Hip1;CG11327  
Chc;Clc;CG6905;Past1;Dhc64C;Hip1  
Nup214;CDC45L;mbo;Nup62  
Nup214;CG5955;mbo;Nup62  
Jafrac2;Clc;Rab5;Prx3  
Gdi;Rab6;Rab11  
CG1444;Tg;ImpL3;CG5446;CG33303;CG9536;sec13;wal;Mec2;Tapdelta;c  
Art1;Pabp2;Rb97D;ZAP3;mRpL37;CG10777  
capu;Fhos;Act42A;capt;Fim;chic  
Sc2;porin;CG1458;Got1  
Cand1;Ranbp9;Pk17E;CG14969  
CG3566;CG1458;CG1105;CG13887  
Rab1;ImpL3;Rab2;CG1291;Mec2;wal;Tapdelta;CG1416;l(1)G0320;Rab5;n  
Suchb;skap;viaf;Cnx99A;Aats-trp;Cctgamma;Tcp-1eta;Gyk;wal;Droj2;CG55  
CG11999;CG2918;Hsc70-3;CG4164;Pdi;Gp93;ERp60;CG30378;Ugt;CG2  
viaf;Cctgamma;Tbp-1;CG7033;CG2812;T-cp1;Rpt1;Tcp-1eta;CG10688;CC  
Rab14;Rab1;Gdi;Vps4;Rab6;betaggt-II;Rab5;Rab7;CG3711  
Gp93;Gfat2;Rab6;P58IPK;Rab5;CG9629  
Vinc;CG4389;ZnT63C  
CG1444;Ost48;CG5446;CG33253;CG33303;Mec2;wal;CG7197;Sc2;mge;  
CG1444;Ost48;Rab2;CG5446;CG33253;CG33303;Mec2;wal;Tapdelta;CG  
RpLP0;CG11876;CG5599;EFTuM;CG8199;Mpcp;Gfat2;CG1129;r  
CG10077;CR12460;snf;Rm62;CG10777;nonA;nonA-l  
Rab2;CG4729;Ranbp9;Pp2A-29B;emb;Sec61alpha;Ca-P60A;ZnT63C;Ppt1  
CG1444;Rab1;Rab2;Rheb;betaggt-II;Aats-trp;CG33303;wal;Aprt;Rab6;CG  
Chc;Pp2A-29B;CG3523;Rab-RP4;Rpn1;Cctgamma;betaCop;Aats-asn;Gfat  
Aats-glupro;Mpcp;CG11876;CG17259;Cnx99A;bor;CG8258  
CG11697;Rab1;Rab2;betaggt-II;CG2064;Rab6;Dcp-1;Rab5;KdelR;Rab7;C  
CG1444;Ost48;CG10425;Sec61alpha;CG10962;CG33303;wal;Gp93;CG63  
AGO2;r2d2;loqs;Dcr-2;Fmr1;Rm62;Dcr-1  
skpA;Aats-lys;coro;CG1785;ball  
Chc;Clc;RpS10a;Hip1;CG14969  
Chc;ImpL3;Clc;CG3091;ctp;Hip1  
Atpalpha;Snx6;CG2774;eIF3-S10;Tctp;Egfr  
CG3817;hpo;kuk;CG1785  
Nufip;CG16817;eEF1delta;capt;Prx2540-2;Hop;TER94;scf;Der-2;Nacalphe  
mop;Su(dx);casp;Hsp68;drk  
14-3-3zeta;sdt;aPKC;baz;14-3-3epsilon  
mats;His4;CG33895;wts;d;CG17838  
cindr;14-3-3zeta;sns;CG4611;CG31358  
CG7650;CG7275;Cctgamma;CG7033;CG2812;T-cp1;Tcp-1eta;Hsc70-4;C  
Pcl;viaf;Cctgamma;CG7033;CG2812;T-cp1;Tcp-1eta;Cct5;CG5525;His3;C  
CG7650;Atg4;viaf;Hsc70-1;Cctgamma;CG7033;T-cp1;Tcp-1eta;Hsp70Bb;C  
CG17896;CG5044;CG6543;CG4389;CG12262



(A) entire Hippo-PPIN

CG6512;l(2)37Cc;CG2658;l(2)03709  
Bub3;CG6905;Pp2A-29B;Cka;CG7033;T-cp1;Tcp-1eta;Cct5;tws;Tap42;CG  
viaf;CG7033;T-cp1;Tcp-1eta;Spt5;RpS21;Cct5;tws;Tap42;CG8258;Tcp-1z  
shrb;CG10103;CG6259;CHMP2B;Chmp1;vps24;vps2  
Chc;CG9752;Past1;Pp2A-29B;Gie;Ranbp9;CG33303;CG1665;Gyk;Gfat2;C  
ran;Rab23;Bj1;ran-like;CG8060  
ERp60;PH4alphaEFB;CG9698;Pdi;PH4alphaMP  
CG4415;bic;Nacalpa  
Tapdelta;CG30338;CG11876;CG12264  
Fmr1;Ef2b;RpL5  
CG1444;Ost48;Kr-h2;CG4729;CG7881;Sec61alpha;CG7830;CG33303;CG  
DIP2;Cortactin;Sop2;drk;Arp14D;Cpn;hpo;Act87E;ena;Hip1  
CG6255;Sucb;skap;ATPCL;Scsalpha  
Pp1-13C;CG7275;viaf;Cctgamma;CG7033;CG2812;Tcp-1eta;CG5525;CG  
beta'Cop;epsilonCOP;Sac1;Arf79F  
CG43155;Cam;CG5482  
Cam;Hsp83;CG5482  
Osbp;fan;nocte;Vap-33-1;CG13887  
Chc;CG5027;Clc;Past1;MRP;Hip1;CG1667  
Chc;CG1444;Ost48;Sec61alpha;Karybeta3;CG33303;Cyp9b2;MSBP;Atpal  
RpL23A;RpS23;RpL31;RpL27;RpL29;RpL17;RpL26;RpL11;RpS15;RpL27/  
Gie;Rpn1;Cctgamma;Pros45;Tbp-1;Aats-asn;wol;Rpt1;CG5027;CG5525;C  
Nup214;Nup58;Ubi-p5E;bls4;Nup62;Sap47  
Nup214;Nup107;Nup54;Ubi-p5E;Nup62;Sap47  
Parp;CG7911;Nlp;mod  
Hsc70-3;Rm62;CG14718;Zn72D;caz;mod;glo;CG10077;CG30122;pasha;C  
CG1444;Ost48;CG10425;Sec61alpha;CG7830;CG33303;CG2064;CG637C  
CG1444;Ost48;Pis;CG7881;Sec61alpha;CG7830;CG33303;Cyp9b2;Atpal  
Tudor-SN;AGO2;r2d2;Dcr-2;Fmr1;Dcr-1;vig  
CG1444;Rab1;Ost48;CG12007;betaggt-II;Sac1;Pis;Sec61alpha;CG7830;C  
Eb1;mts;Vap-33-1;CG4854  
CG5885;Tapdelta;l(1)G0320;SsRbeta  
Rab1;CG8331;Gdi;Rab6;betaggt-II;CG1418;Rab5;Rab7  
CG1444;Kr-h2;Pp2A-29B;Ranbp9;Cnx99A;Sec61alpha;CG33303;Gp93;Gy  
blw;ATPsyn-beta;ATPsyn-gamma;Oscp;porin;l(1)G0230;ATPsyn-b  
Ost48;CG7691;CG5446;CG33253;blp;Sec61alpha;Karybeta3;ZnT63C;Kap  
Nurf-38;capt;CG9436;RnrS;Pka-R1;Hsc70Cb;RnrL;Inos;CG10638;Fim;Oat  
ColV;CG6455;tomboy20;l(2)37Cc;porin;l(2)03709  
Cka;CG7033;dpr5;T-cp1;Tcp-1eta;Cct5;CG6543;tws;Tap42;CG11534;CG8  
wds;Lis-1;Cka;CG7033;T-cp1;Tcp-1eta;Cct5;l(2)dtl;tws;Tap42;CG8258;Tc  
Pp2A-29B;Cka;CG34114;CG7033;Arr2;T-cp1;Tcp-1eta;Cct5;tws;Tap42;CC  
ERp60;CG18179;Ero1L;Pdi;CG9911;Chd64  
Pi3K68D;Cnx99A;Cctgamma;EfTuM;Gfat2;Aats-glupro;Gyk;Odc1;Mpcp;r;l  
PPP4R2r;viaf;Cctgamma;CG7033;CG2812;Tcp-1eta;CG5525;Tap42;Su(v  
Cctgamma;PpV;CG7033;Pbp95;CG2812;T-cp1;Tcp-1eta;CG5525;Hsp70A  
Pi3K68D;Cnx99A;CG7115;CG33303;EfTuM;Cyp9b2;Odc1;Mpcp;Aats-glup  
CG11697;Rab1;Gdi;betaggt-II;Rab6;Rab5;Rab7;KdelR;CG3711  
Dmn;14-3-3zeta;CG7911;Nlp;CG6652;CG9279;Gl;mod;14-3-3epsilon  
Act57B;capt;Arpc3B;Cortactin;Lasp;Sop2;Arp14D;cpb;p16-ARC;Arc-p20;c  
CG1444;Ost48;CG7881;Sec61alpha;CG7830;CG33303;CG6370;CG32557  
ColV;l(2)37Cc;porin;RhoGEF4

(A) entire Hippo-PPIN

Chc;Clc;Aldh;Gale;Hip1  
CG34172;ImpL3;RpLP0;CG3542;nonA  
AGO2;Fmr1;CG42797;Nup43;Dcr-1  
AGO2;r2d2;Dcr-2;RpL35A;RpL4  
Ost48;CG8408;Cand1;Pp2A-29B;Ranbp9;emb;Sec61alpha;Karybeta3;CG;  
Ost48;mib2;CG3164;CG33253;ZnT63C;CG2064;Mec2;Tsp29Fb;CG6370;C  
CycK;RpL27;RpL17;RpL26;RpL11;RpL7A;RpS6;RpL27A;RpL21;RpL14;Rp  
viaf;Cctgamma;CG7033;CG2812;Tcp-1eta;Hsc70-4;Cct5;Hdac3;Acp36DE  
Rheb;Rab6;Mcr;betaggt-II;Rab5;LRP1;Rab7  
CG7185;CG18179;l(2)37Bb;CG3689;CG42724;CG31235  
CG5210;O-fut2;PH4alphaEFB;CG11060;Pdi;14-3-3epsilon  
yip2;CG6543;CG4389;CG16935;Thiolase;CG10131  
Act79B;Act42A;capt;Act5C;Pid;Ald  
14-3-3zeta;lkb1;CG1105;alc;SNF4Agamma;14-3-3epsilon  
CG7185;CG10082;CG18179;CG2199;CG3689;mRpL51  
CG8036;CG5432;CG5103;Ald;CG30410;fbp  
Spt5;barc;Cdk9;RpL1215;mod  
Sec61alpha;CG33303;RpS10b;Mpcp;colt;Gp93;Cyp12d1-p;CG6370;Tapde  
Bap;AP-50;AP-47;AP-1gamma;AP-1sigma  
CG7813;Oscp;ATPsyn-d;ATPsyn-gamma  
cindr;Rala;sec5;exo84;exo70;alpha-Spec;beta-Spec  
Cnx99A;CG33303;CG30194;Gfat2;Mpcp;Aats-glupro;Odc1;Cyp12d1-p;CG  
Ost48;CG7691;CG31729;fwe;CG5446;CG33253;ZnT63C;CG2064;Mec2;T  
Pp2A-29B;emb;Rpn2;Rpn1;Pros45;Tbp-1;Aats-asn;Rpt1;Gp93;Aats-glupro  
CG7580;CG6455;ox;RFeSP;CG4169;CG4769  
CG1444;Ost48;Sac1;CG4729;Pis;Sec61alpha;CG33303;Cyp9b2;CG6370;  
CG11697;Rab1;Rab2;Rab10;CG33303;CG12404;Rab6;CG5484;frc;Rab5;l  
ck;jar;ninaC;Mlc-c;zip;sqh  
epsilonCOP;Sac1;Arf79F;Vap-33-1;CG11306;CG17287  
CG1444;Ost48;CG10425;CG7881;Sec61alpha;CG7830;CG33303;ZnT63C  
CG1444;Ost48;Suchb;Sac1;skap;Pis;CG7881;CG33303;Cyp9b2;Droj2;CG6  
Rbsn-5;Rab2;Vps45;Rab5;CG5446;Rab7;Rab4  
CG10103;shrb;Vps4;vps24;CHMP2B;vps2;CG6259;Chmp1;CG7967;Vps2  
Ost48;CG7691;Kr-h2;Pp2A-29B;Ranbp9;Sec61alpha;CG33303;heix;Mpcp;  
Pi3K68D;Cnx99A;TER94;CG33303;Gfat2;Mpcp;Aats-glupro;Gyk;Gp93;Cyl  
mRpS11;RpS19b;RpL31;RpL27;RpL17;RpL26;RpL11;RpS15;RpL27A;His2  
skapA;CG7407;CG14222;slmb;skpC;Hsp23  
shi;Dap160;Cip4;term;TSG101;WASp  
gho;sar1;sec24;sec23;sec31;sec13  
Pp2A-29B;Spindly;Ranbp9;sec63;tra2;CG2064;Mpcp;Aats-glupro;Cyp12d1  
CG1444;Ost48;CG8195;CG31729;Kr-h2;Sec61alpha;Mec2;CG6370;Tapde  
CG9318;l(2)06225;sun;Oscp;Trap1;ATPsyn-beta;ATPsyn-gamma;Rtnl1;AT  
Vps4;Pp2A-29B;Ranbp9;Cnx99A;Sec61alpha;CG33303;Odc1;Gyk;Aats-gli  
GM130;Rab1;Es2;Rab2;p115;Grasp65  
CG7650;Cctgamma;CG7033;CG2812;Hsp68;Tcp-1eta;Gbeta13F;CG5525  
Kap-alpha3;ran;Pen;Ntf-2;CG14712;Karybeta3;Nup153;Nup50  
Kap-alpha3;ran;Cas;Pen;emb;dap;Nup153;Nup50  
CG1444;Ost48;CG6439;Pis;Sec61alpha;CG33303;CG2064;CG6370;CG31  
CG1444;Ost48;CG31729;Kr-h2;Sec61alpha;CG33303;ZnT63C;Atpalpha;C  
CG1444;Ost48;Sac1;Pis;Sec61alpha;CG33303;LBR;Atpalpha;CG6370;Sc;  
CG34172;CG6459;CG11148;U2af50;CG10909

(A) entire Hippo-PPIN

Bx42;CG15634;CG6905;Tango4;CG32528;CG7033;Ilk;T-cp1;Tcp-1eta;Ccl  
Rga;Not1;CG10188;CklIalpha;Lap1;l(2)NC136  
beta'Cop;CG7878;alphaCop;CG8043  
CG1444;Ost48;slif;CHOp24;Sec61alpha;CG33303;CG6370;Sc2;Surf4;CG:  
14-3-3zeta;14-3-3epsilon;Hsp70Ab;phl;Aldh;ksr;Dsor1;Hsp60;cnk  
CG8311;CG7185;CG18179;CG3689;CG42724;nonA-I;CG31235  
par-1;14-3-3zeta;Dak1;HDAC4;foxo;gig;14-3-3epsilon  
par-1;14-3-3zeta;CG5783;CG5065;HDAC4;foxo;14-3-3epsilon  
Cbl;cindr;Crk;Pi3K21B;p130CAS;Sos;drk  
glo;Hrb87F;PGRP-LB;Hrb98DE  
Act57B;capt;Cortactin;c(3)G;RnrL;Sop2;Arp14D;Inos;cpb;p16-ARC;Fim;W.  
Pen;CG30447;Nup153;Nup50  
Bx42;CG6905;eIF-2alpha;eIF5;Dp1;eIF-2beta;NAT1  
His2B;CG33886;CG12171;l(2)37Cc;CG14762;l(2)03709  
CG11697;Rab1;Klp68D;betaggt-II;Rab4;Ubi-p63E;Rab6;Rab5;Rab7;CG37  
Cpsf100;Spargel;Cdk9;CycT;RplI215;mod  
blw;ImpL3;CG4692;sun;Oscp;CG14717;CG4797;Tsp29Fb;ATPsyn-beta;Ct  
Crc;Nufip;CG16817;CG6776;eEF1delta;capt;Hop;Chd64;Nacalpa;Akap2C  
Aos1;Uba2;CG9399;pnut;smt3;Sep2;lwr  
gw;Rb97D;ZAP3;CG10777;nocte  
CG1444;Ost48;CG9053;p24-1;Sac1;Pis;CHOp24;Sec61alpha;CG33303;C  
Act88F;flil;CG6873;capt;tsr;chic;Act87E  
Rsf1;skpA;Syt1;slmb;lin19;Rca1;skpB  
arm;skpA;slmb;skpC;Axn;sgg;CG2765  
Hakai;nito;Bj1;CG11107  
Ost48;CG9053;p24-1;Pis;Irc;CG33303;CG6370;bai;p24-2  
CklIalpha;dco;Bap;thoc7;CG6227;CG1603  
SPoCk;rump;l(2)37Cc;betaTub85D;CG3509;alphaTub84D;l(2)03709  
eIF4G;Srp9;CG8034;eIF4E-5;eIF-4a;NAT1  
CadN;ft;CG5921;ds  
Cp1;Pi3K68D;Cnx99A;CG33303;Gfat2;Mpcp;Aats-glupro;Gyk;Odc1;Cyp12  
CG16817;RplP0;Pi3K68D;CG11876;CG11407;CG13630;Nacalpa  
Ost48;CG7601;CG31729;Pis;CG33253;Sec61alpha;Tango9;ZnT63C;Mec2  
Reps;Past1;Sop2;drk;hpo;CG4612;Cpn;Nak;CG9297;Hip1  
Ost48;CG7691;CG31729;Cand1;Kr-h2;CG5446;ZnT63C;CG2064;CG9662  
Act57B;didum;Cam;Mlc-c;zip;Cyp1;awd;CG14715  
zetaCOP;beta'Cop;gammaCop;deltaCOP;epsilonCOP;Arf79F;betaCop;alp  
CklIbeta2;Ef1beta;CG16817;eEF1delta;Ef1alpha100E;Ef1gamma  
CG15220;CG3689;grp;Su(var)2-10;Rrp40  
mRpS11;CstF-50;Rpl27;Rpl17;Rpl11;Rpl21;Rps3A;Rpl27A;Rps5a;Rpl  
msk;Ranbp9;Sec61alpha;sec63;CG33303;Aats-glupro;Gyk;Cyp9b2;Mpcp;  
Rpl23A;Rpl31;Rpl27;CG2246;Rpl18A;Rpl30;Rpl11;Rpl21;Rpl14;RplF  
snf;SmG;SmD1;SmD3;SmE;SmF;snRNP-U1-70K;SmD2;snRNP-U1-C;Sm  
Aats-glupro;Aats-lys;CG15100;Aats-arg;Aats-gln;Aats-asp;Aats-ile  
hth;cdc2c;Hrs;Pkc98E;Stam;Plap

(A) entire Hippo-PPIN

**Members\_SAIN\_T\_Score**

1.00;1.00;1.00;1.00;1.00  
0.16;1.00;1.00  
1.00;NA;1.00  
1.00;1.00;NA  
0.99;0.99;0.60  
0.99;1.00;NA  
0.99;NA;1.00  
0.99;1.00;NA  
1.00;0.99;NA;0.98  
1.00;NA;0.98;0.97;1.00;1.00;1.00;0.91;NA  
1.00;0.96;NA  
0.88;0.99;0.97;0.90  
0.73;0.79;0.99;0.00;0.98;0.88  
0.67;0.65;0.86;0.79;0.99  
NA;0.77;0.91  
0.48;0.77;0.91  
1.00;0.98;0.97;1.00;0.55;NA;1.00;NA;0.91;NA  
1.00;NA;1.00;1.00;0.00;0.91  
0.88;0.57;1.00;NA  
0.90;1.00;0.64;0.53;0.54;0.69;0.91;0.57  
1.00;NA;1.00;NA;0.98;0.79  
1.00;0.47;0.56;0.37;0.99  
1.00;0.55;0.98;0.24;NA;0.92  
0.99;0.67;NA  
NA;0.90;1.00;0.64;0.53;0.54;0.69;0.57;0.91  
NA;1.00;NA;1.00;1.00  
0.47;0.56;0.96;NA;0.99  
NA;0.95;0.66  
1.00;NA;0.99;0.60;NA;1.00  
0.99;0.54;1.00;0.98;0.08;NA  
NA;0.90;1.00;0.15;0.79;0.08;0.73;0.91  
1.00;0.72;0.27;0.41;NA;0.84;NA;0.99;0.94  
0.88;1.00;NA;NA;1.00  
1.00;0.27;0.84;0.38;0.99;NA  
NA;0.97;0.00;0.57;0.91;1.00  
0.02;0.60;0.82  
NA;0.99;0.60  
NA;0.99;0.60  
1.00;0.55;0.98;0.84;NA;NA  
0.99;1.00;NA;0.96;0.98;NA;NA  
0.45;0.27;NA;0.56;0.39;0.74;0.79;0.90;0.53;0.67;0.03;0.36;0.73;0.84;(C  
0.00;0.34;1.00;0.82  
0.06;0.99;0.38;0.00;1.00;0.88  
0.56;0.69;0.15;0.91;0.57;0.08;0.92  
NA;0.57;0.61  
1.00;0.55;0.00  
NA;0.00;0.99;1.00;0.57;0.61  
0.45;NA;0.72;0.27;NA;0.77;1.00;0.84;NA;0.41;0.73;0.84;0.46;0.94;0.2  
0.79;0.00;0.79;0.90;0.03;0.73;0.00;0.00;0.99;0.91  
0.53;0.47;0.39;0.74;NA;0.99

(A) entire Hippo-PPIN

NA;1.00;0.53;0.64;0.54;1.00;NA;NA;0.57;0.91  
0.91;1.00;NA;0.15  
0.45;0.72;0.27;NA;NA;0.39;0.77;0.53;1.00;0.41;0.73;0.84;0.46;0.94;0.  
1.00;0.00;0.55;1.00;NA  
0.45;0.72;0.79;0.00;0.27;0.39;0.79;0.77;0.53;1.00;NA;0.73;0.46;0.21;f  
0.45;0.79;0.27;NA;0.79;0.77;1.00;0.13;0.00;0.84;NA;0.99;0.46;NA;0.9  
NA;1.00;NA;1.00  
1.00;NA;1.00;1.00;NA;NA  
0.86;NA;0.43;0.57  
NA;1.00;NA;1.00  
NA;0.56;0.74;0.79;0.90;NA;0.79;0.08;0.53;0.67;0.36;0.03;0.73;NA;0.9  
1.00;0.99;0.00;NA  
0.99;1.00;NA;NA;0.98;NA  
NA;0.99;1.00;NA;0.98;NA  
0.45;0.72;0.79;0.27;0.67;0.39;0.77;0.53;0.73;0.99;0.00;0.46;0.00;NA;(C  
0.72;0.27;NA;0.77;0.79;1.00;0.53;0.41;0.73;0.84;0.00;0.94;0.00;0.21;(C  
NA;0.78;0.49  
NA;0.90;1.00;0.64;0.08;0.54;0.69;NA;0.57;0.91;NA  
0.67;NA;NA;0.77;0.91  
1.00;NA;NA;NA;0.90;0.99  
0.75;NA;0.72;NA;0.41;0.84;0.94;NA  
1.00;NA;NA;0.98;0.36;1.00;1.00;NA;NA  
0.56;0.00;0.74;NA;0.77;1.00;0.53;0.67;0.38;0.36;0.88;0.65;0.00;NA;0.  
NA;NA;0.95;0.92  
NA;1.00;0.64;0.53;0.54;0.69;NA;NA;0.57  
0.96;1.00;0.53;0.64;0.54;NA;NA;NA;NA;0.57;0.91  
1.00;1.00;0.53;0.64;0.54;NA;NA;NA;0.57;NA;0.91  
0.45;NA;0.72;0.27;0.00;0.77;0.79;1.00;NA;0.41;NA;0.84;0.46;0.94;0.2  
NA;0.90;1.00;0.15;0.00;0.08;0.73;0.40;0.91  
0.72;0.00;0.41;0.99;0.46;0.21  
1.00;NA;0.80;NA;0.00;0.99  
0.45;0.86;NA;0.56;NA;NA;0.74;0.77;0.67;NA;0.03;0.53;0.88;0.36;0.65  
0.45;0.72;0.27;NA;0.56;0.74;0.77;0.03;0.67;0.53;0.73;NA;NA;0.99;0.0  
0.00;NA;1.00;0.88  
NA;0.00;1.00;0.88  
0.88;0.98;NA;NA  
NA;0.86;0.65;NA;0.75;0.00;0.77  
NA;NA;0.90;1.00;0.91;NA;0.53;0.64;0.54;0.69;NA;NA;0.57;0.91;NA  
0.00;NA;NA;0.90;1.00;NA;0.53;0.64;0.54;0.94;0.69;NA;NA;0.57;0.91  
1.00;0.45;0.98;0.39;0.80;0.77;NA;0.53;0.36;1.00;0.00;0.00;NA;0.57;N  
1.00;NA;NA;1.00;0.71;0.00  
0.00;0.00;0.51;0.02;0.90;0.79;1.00;NA;0.88;0.36;0.00;0.91  
0.00;NA;0.64;0.38;0.88;0.65;0.26;0.00;0.57;0.91  
0.48;NA;NA;0.77;0.91  
0.62;0.00;0.41  
NA;0.64;0.41  
1.00;0.00;0.86;NA;0.00;0.80;0.00;0.00;NA;1.00;0.45;1.00;0.65;0.84;0.  
1.00;NA;NA;1.00;0.00;1.00;NA  
NA;1.00;NA;1.00;1.00;NA;NA  
0.40;0.81;NA  
0.56;0.51;0.74;0.02;NA;0.90;0.19;1.00;NA;0.38;0.88;0.36;0.00;0.26;0.

(A) entire Hippo-PPIN

1.00;NA;NA;NA;0.99;0.59  
0.98;NA;0.79;NA  
0.45;0.86;NA;0.00;NA;0.77;0.53;0.67;0.45;0.65;0.84;NA;NA;NA;0.99  
NA;0.13;1.00;0.50;0.54  
0.78;NA;0.99;NA  
1.00;0.00;0.55;1.00;NA;0.00  
NA;0.77;0.91;NA  
1.00;0.55;0.98;NA;NA;NA  
1.00;0.55;NA;0.98;NA;NA  
0.60;NA;0.16;0.71  
0.60;NA;0.16;0.71  
0.21;0.55;0.84;NA  
NA;0.41;0.38  
0.45;NA;0.79;NA;0.77;NA;0.88;0.53;1.00;0.13;0.00;0.73;0.99;0.00;0.0  
NA;0.88;NA;0.54;0.25;0.72  
NA;0.00;0.00;1.00;1.00;0.50  
0.84;0.00;0.74;NA  
0.28;0.80;NA;0.46  
0.00;0.74;NA;1.00  
0.72;0.79;0.27;0.00;1.00;0.53;0.13;0.73;0.14;0.84;0.00;0.00;0.00;0.00  
0.56;0.74;NA;NA;0.00;0.90;0.64;NA;0.53;0.03;0.69;0.26;0.57;0.91;NA  
0.96;NA;0.96;0.55;NA;0.67;0.96;NA;NA;NA  
NA;0.90;0.00;1.00;NA;0.53;0.08;0.64;0.00;0.69;0.73;NA;NA;0.57;0.91  
NA;0.72;NA;0.67;0.41;NA;0.84;0.94;NA  
0.67;0.36;0.41;NA;0.84;NA  
0.36;1.00;NA  
0.45;0.86;NA;0.57;0.77;1.00;0.53;NA;0.84;NA;0.99;0.00;0.00;NA;0.00  
0.45;0.86;0.27;NA;0.57;0.77;1.00;0.53;0.13;0.43;0.84;NA;0.00;NA;0.0  
0.00;0.51;0.91;1.00;NA;0.88;0.36;0.00;0.00  
NA;NA;0.21;0.97;0.72;0.82;NA  
0.27;0.23;0.80;0.00;NA;0.00;1.00;NA;0.00;0.79;NA;0.00;0.51;0.72;0.0  
0.45;0.72;0.27;NA;NA;0.00;0.77;0.53;NA;0.41;0.73;0.84;0.94;0.00;0.0  
1.00;0.00;0.75;NA;0.02;0.90;0.19;0.79;0.36;0.38;NA;0.04;0.00;0.57;0.  
0.38;0.88;0.51;0.26;NA;0.00;0.57  
NA;0.72;0.27;NA;0.79;0.41;NA;0.84;0.21;0.94;NA  
0.45;0.86;0.00;0.00;NA;0.77;0.53;0.67;0.65;0.84;NA;0.84;NA;0.00;0.0  
0.77;NA;NA;NA;0.93;0.97;NA  
0.88;1.00;0.13;NA;NA  
1.00;0.55;0.00;NA;0.46  
1.00;0.79;0.55;NA;NA;NA  
1.00;NA;NA;0.35;0.99;0.00  
NA;1.00;0.67;NA  
NA;1.00;0.20;1.00;NA;0.00;1.00;0.00;NA;0.32;0.70;0.00;0.78;0.00;1.0  
1.00;NA;0.00;0.00;1.00  
1.00;NA;0.00;NA;1.00  
1.00;NA;1.00;0.00;NA  
1.00;1.00;NA;NA;NA  
NA;NA;0.90;1.00;NA;0.53;0.64;0.00;NA;0.54;NA;0.69;NA;0.57;0.91  
NA;NA;0.90;1.00;NA;0.53;0.64;0.54;0.69;NA;NA;0.00;0.57;NA;0.91  
NA;NA;NA;0.00;0.90;1.00;0.53;0.64;NA;0.00;0.54;0.69;NA;0.57;0.91  
NA;NA;0.00;1.00;0.99

(A) entire Hippo-PPIN

0.09;0.57;NA;0.61  
0.83;NA;0.00;NA;1.00;0.53;0.64;0.54;NA;NA;0.57;NA;0.91  
NA;1.00;0.53;0.64;0.00;NA;0.54;NA;NA;0.57;0.91  
0.99;0.96;0.54;0.12;0.00;NA;0.00  
1.00;NA;0.98;0.00;0.39;0.80;0.77;NA;NA;0.36;0.00;NA;0.00;0.57;0.91  
0.99;NA;0.96;NA;NA  
0.96;1.00;0.00;NA;NA  
NA;0.42;0.32  
0.13;NA;0.51;0.92  
0.93;0.21;0.32  
0.45;0.86;NA;0.23;NA;0.00;0.75;0.77;0.65;0.84;0.00;NA;NA;0.99;0.00  
NA;0.97;0.00;1.00;0.00;NA;1.00;NA;0.91;NA  
NA;0.56;0.74;0.35;0.03  
NA;NA;NA;0.90;1.00;NA;0.64;0.69;NA;NA;NA;NA;0.57;0.91;1.00  
0.62;NA;NA;0.99  
NA;1.00;0.31  
1.00;0.00;0.31  
NA;NA;0.00;0.92;1.00  
1.00;NA;0.55;0.98;0.00;NA;0.00  
1.00;0.45;0.86;0.00;0.00;0.77;NA;NA;1.00;0.65;0.84;NA;0.00;NA;NA  
0.51;0.56;0.10;0.52;0.00;0.64;0.00;0.05;0.67;0.79;0.45;0.00;0.00;0.50  
0.39;0.02;0.90;0.15;0.00;0.79;0.00;0.08;NA;0.69;0.73;0.06;0.57;0.91;f  
0.60;NA;NA;NA;0.71;0.59  
0.60;NA;NA;NA;0.71;0.59  
NA;NA;0.59;0.75  
0.96;0.97;NA;NA;0.91;0.75;0.59;NA;0.00;NA;0.72;NA;NA  
0.45;0.86;0.00;0.00;0.75;0.77;0.79;0.65;0.84;NA;0.00;NA;NA;0.00;0.0  
0.45;0.86;NA;NA;0.00;0.75;0.77;NA;1.00;0.65;0.84;NA;0.00;NA;NA  
NA;0.77;NA;NA;0.93;NA;0.67  
0.45;0.72;0.86;NA;NA;NA;NA;0.00;0.75;0.77;0.65;0.84;0.00;NA;NA  
0.57;NA;0.92;0.00  
0.43;0.13;0.14;0.46  
0.72;NA;NA;0.41;NA;NA;0.84;0.94  
0.45;NA;0.00;0.80;NA;0.00;0.77;0.67;NA;0.53;0.88;0.45;0.00;0.42;NA  
0.22;0.43;0.78;0.49;0.00;0.00;0.26  
0.86;NA;NA;0.57;NA;0.00;0.00;NA;0.45;1.00;1.00;NA;0.65;0.84;0.00  
NA;1.00;0.00;0.94;NA;0.00;0.00;1.00;NA;1.00;0.00  
0.53;NA;NA;0.57;0.00;0.61  
NA;1.00;NA;0.53;0.64;0.54;0.00;NA;NA;NA;0.57;0.91  
NA;NA;NA;1.00;0.53;0.64;0.54;NA;NA;NA;0.57;0.91  
0.00;NA;NA;1.00;NA;0.53;0.64;0.54;NA;NA;0.57;0.91  
0.96;NA;0.00;NA;1.00;0.13  
0.00;NA;0.90;1.00;0.36;0.38;NA;NA;0.88;0.00;NA;0.26;0.00;0.57;0.92  
NA;NA;0.90;1.00;NA;0.64;0.69;NA;NA;NA;NA;0.57;0.91  
0.90;NA;1.00;NA;NA;0.53;0.64;0.69;NA;NA;NA;NA;0.57;0.91;NA  
0.00;NA;NA;0.77;1.00;NA;NA;0.88;0.38;0.36;0.65;0.00;NA;0.26;0.92  
NA;0.72;NA;NA;0.41;0.84;0.94;0.21;NA  
NA;1.00;NA;0.59;NA;0.00;NA;0.75;1.00  
0.00;1.00;NA;0.97;0.90;0.00;0.00;0.10;0.01;0.00;1.00;0.91;0.00;(C  
0.45;0.86;NA;0.00;0.75;0.77;0.65;NA;0.84;0.00;NA;NA;NA;0.27  
0.53;0.57;0.00;NA

(A) entire Hippo-PPIN

1.00;0.55;0.00;0.24;NA  
NA;0.79;0.00;NA;0.82  
0.77;0.93;NA;NA;NA  
0.77;NA;NA;NA;0.93  
0.86;NA;0.28;0.00;0.80;NA;0.00;0.00;0.79;0.65;0.84;0.00;NA;0.57;NA  
0.86;NA;0.00;0.57;NA;0.79;1.00;NA;0.65;0.84;NA;0.00;0.27;0.00;NA  
NA;0.52;0.64;0.00;0.05;0.20;0.59;0.79;0.45;0.00;0.00;0.50;0.30;0.00;(C  
NA;0.90;1.00;NA;0.64;0.00;0.54;NA;NA;0.00;0.57;NA;0.91  
NA;0.41;NA;NA;0.84;NA;0.94  
1.00;NA;NA;1.00;0.00;NA  
NA;NA;1.00;NA;NA;1.00  
NA;0.00;1.00;NA;1.00;NA  
NA;0.00;1.00;0.00;NA;1.00  
1.00;NA;NA;NA;NA;1.00  
1.00;0.00;NA;NA;1.00;NA  
1.00;NA;NA;1.00;NA;NA  
0.00;NA;0.00;0.98;0.75  
0.00;0.77;0.01;0.88;NA;0.67;0.00;0.65;0.13;0.84;0.00;NA;NA;NA;0.92  
1.00;0.74;0.00;NA;NA  
NA;0.49;0.00;0.78  
1.00;NA;NA;NA;NA;1.00;0.21  
NA;0.77;NA;0.36;0.88;0.38;NA;0.00;0.65;NA;NA;NA;0.00;0.99;0.91  
0.86;NA;NA;NA;NA;0.57;NA;0.79;1.00;NA;0.84;0.00;0.27;0.51;0.00  
0.00;NA;0.47;0.02;0.15;0.00;0.79;0.08;0.67;0.38;0.36;NA;0.73;NA;0.9  
0.00;NA;0.00;0.00;0.99;0.94  
0.45;0.86;NA;0.23;NA;0.00;0.77;NA;0.65;0.84;0.00;NA;NA;0.99;NA  
NA;0.72;0.27;NA;0.77;0.00;0.41;NA;NA;0.84;0.94;NA  
0.92;0.99;NA;0.00;0.00;0.01  
NA;NA;0.99;0.92;NA;NA  
0.45;0.86;0.00;NA;0.00;0.75;0.77;NA;0.65;0.84;0.00;0.00;NA;NA;0.21  
0.45;0.86;0.56;NA;0.74;NA;NA;0.77;NA;0.03;0.65;0.00;NA;NA;0.35  
NA;0.27;NA;0.84;NA;0.94;NA  
0.96;0.99;0.67;NA;0.12;0.00;0.54;0.00;NA;NA  
0.86;NA;NA;0.00;0.80;0.00;0.77;0.00;0.88;0.00;0.65;NA;NA;0.00;0.57  
0.00;NA;1.00;0.77;0.36;0.88;0.38;NA;0.67;0.00;0.00;0.00;NA;NA;0.57  
NA;0.74;0.10;0.52;0.64;0.00;0.05;0.67;0.79;NA;0.00;0.00;0.00;0.50;0.  
0.88;NA;NA;1.00;NA;0.00  
0.88;1.00;NA;NA;NA;NA  
0.00;NA;0.00;0.00;1.00;0.88  
0.00;NA;0.80;NA;NA;0.79;0.88;0.38;0.00;0.84;0.00;NA;NA;NA;0.92  
0.45;0.86;NA;NA;NA;0.00;1.00;0.65;0.13;0.43;0.84;0.00;0.00;0.27;NA  
0.00;0.00;0.00;0.49;0.00;0.43;0.78;0.38;0.26  
0.67;0.00;0.80;NA;0.00;0.77;NA;NA;0.38;0.45;0.88;0.00;0.42;0.00;NA  
NA;0.72;NA;0.27;NA;0.58  
NA;0.90;1.00;NA;0.00;0.64;0.00;0.69;NA;NA;NA;NA;0.57;NA;0.91  
0.45;0.99;0.15;NA;0.00;0.00;0.24;0.98  
0.45;0.99;NA;0.15;NA;NA;0.24;0.98  
0.45;0.86;NA;NA;0.00;0.77;0.79;0.65;0.00;0.84;NA;0.00;NA;NA;0.00  
0.45;0.86;NA;NA;0.00;0.77;NA;1.00;0.65;0.84;NA;0.00;0.00;NA;NA  
0.45;0.86;NA;NA;0.00;0.77;NA;1.00;0.65;0.84;NA;0.00;NA;NA;NA  
NA;0.66;NA;0.62;NA



(A) entire Hippo-PPIN

NA;NA;NA;NA;NA;1.00;0.00;0.53;0.64;0.54;NA;NA;0.57;0.91  
NA;NA;NA;0.12;0.76;0.70  
0.62;0.00;0.41;NA  
0.45;0.86;NA;NA;0.00;0.77;0.65;0.84;0.00;NA;NA;NA;0.51;0.00  
1.00;1.00;NA;NA;0.00;NA;NA;1.00;NA  
NA;1.00;NA;1.00;0.00;NA;NA  
0.00;1.00;NA;NA;NA;NA;1.00  
0.00;1.00;NA;NA;NA;NA;1.00  
NA;1.00;NA;NA;NA;NA;1.00  
0.59;0.02;NA;0.38  
0.00;1.00;0.97;NA;0.00;0.00;0.00;1.00;0.00;0.10;1.00;NA;0.00;0.49  
0.15;NA;0.24;0.98  
NA;NA;0.41;NA;1.00;0.00;0.55  
NA;NA;0.57;NA;0.61  
NA;0.72;0.00;NA;NA;NA;0.41;0.84;0.94;NA  
NA;NA;0.00;0.00;0.98;0.75  
0.22;0.79;NA;0.00;0.49;NA;NA;NA;0.43;0.40;0.00;0.78;0.26  
0.00;NA;1.00;NA;0.20;1.00;0.00;0.13;0.32;0.00;0.00;1.00;0.00;1.00;NA  
NA;NA;NA;0.91;NA;1.00;NA  
NA;NA;0.54;0.72;0.00  
0.45;0.86;0.00;NA;NA;NA;NA;0.00;0.77;0.65;NA;0.84;0.00;NA;0.51  
0.28;0.00;NA;1.00;0.10;0.50;NA  
NA;0.88;NA;1.00;NA;0.00;NA  
NA;0.88;1.00;NA;0.00;NA;NA  
NA;0.35;0.96;NA  
0.86;0.00;NA;NA;NA;0.77;0.65;NA;0.22  
0.38;0.31;1.00;0.00;NA;NA  
NA;0.28;0.57;NA;NA;NA;0.61  
0.97;NA;0.00;NA;0.13;0.55  
0.00;0.34;NA;0.82  
0.96;0.00;NA;0.77;0.36;0.88;0.38;NA;NA;0.00;0.00;NA;NA;NA;0.92  
1.00;0.00;0.00;0.51;NA;NA;0.32  
0.86;0.00;NA;NA;0.57;0.00;NA;NA;1.00;NA;0.65;0.84;NA;0.00;0.27  
NA;0.98;0.00;1.00;1.00;NA;NA;NA;NA;NA  
0.86;NA;NA;0.28;NA;NA;NA;0.79;NA;0.65;0.84;0.00;0.51;0.00;0.00  
0.00;1.00;1.00;0.00;0.00;0.64;NA;NA  
NA;0.62;0.00;0.04;NA;0.99;0.19;0.41  
NA;0.44;1.00;0.20;NA;0.00  
0.48;1.00;NA;NA;NA  
NA;NA;0.52;0.64;0.05;0.45;0.56;0.79;NA;0.00;0.00;0.00;0.01;0.10;0.2  
0.00;0.80;0.00;NA;0.77;0.38;NA;NA;0.88;0.36;0.65;0.00;0.00;NA;NA  
0.51;0.10;0.52;NA;0.00;0.06;0.05;0.45;0.00;0.00;0.00;0.50;0.30;0.26;0  
0.21;NA;0.00;0.37;0.16;NA;0.00;0.18;0.39;0.54  
0.38;1.00;0.18;NA;NA;0.19;NA  
NA;NA;0.99;NA;0.60;NA

## (A) entire Hippo-PPIN

### Name

R8 cell differentiation;R8 cell fate commitment;compound eye photoreceptor fate commitment;photoreceptor cell fate commitment

AP2 adaptor complex

HSF1-YWHAE complex

positive regulation of transcription, DNA-dependent;regulation of RNA biosynthetic process;regulation of transcription

Protein-sorting complex (Stam2, Hgs, Eps15);Protein-sorting complex (Stam1, Hgs, Eps15)

spermatid development;organelle transport along microtubule;mitochondrion transport along microtubule;sperm motility

myosin VI complex

RANBP1-RAN-KPNB1 complex

negative regulation of signal transduction;negative regulation of Notch signaling pathway;synaptic vesicle endocytosis

compound eye development;regulation of cell communication;cytoskeleton organization;organ morphogenesis;eye development

Unknown

sperm individualization complex

transmembrane receptor protein serine/threonine kinase signaling pathway;nucleocytoplasmic transport;nuclear import

cellular protein metabolic process;cellular macromolecule metabolic process;macromolecule metabolic process

DNA replication factor A complex

DNA replication factor A complex;RPA complex;RP-A

compound eye development;cytoskeleton organization;organ morphogenesis;eye development;sensory organ development

compound eye development;organ morphogenesis;eye development;morphogenesis of an epithelium;sensory organ development

Unknown

CCT complex (chaperonin containing TCP1 complex);CCT complex (chaperonin containing TCP1 complex), testis-specific

CPSF6-ITCH-NUDT21-POLR2A-UBAP2L complex

cellular catabolic process

synaptic vesicle budding;synaptic vesicle endocytosis;synaptic vesicle budding from presynaptic membrane;spermatid development

negative regulation of growth of symbiont involved in interaction with host;modulation of growth of symbiont involved in interaction with host

mitotic spindle organization;spindle organization;microtubule cytoskeleton organization;cytoplasmic microtubule organization

compound eye development;eye photoreceptor cell differentiation;compound eye photoreceptor cell differentiation

salivary gland morphogenesis;histolysis;salivary gland histolysis;salivary gland cell autophagic cell death;gland morphogenesis

mitotic spindle organization;centrosome organization;centrosome cycle;centrosome duplication;microtubule organization

establishment of protein localization;regulation of signal transduction;regulation of epidermal growth factor receptor signaling pathway

intracellular protein transport;nuclear transport;nucleocytoplasmic transport;protein transport;intracellular transport

cell cycle phase;cellular protein metabolic process;cellular macromolecule metabolic process;protein metabolic process

secretion by cell;membrane invagination;endocytosis;protein transport;small GTPase mediated signal transduction

regulation of signal transduction;regulation of cellular process;regulation of cellular component organization;regulation of cell cycle

endocytosis;synaptic vesicle transport;protein transport;small GTPase mediated signal transduction;synaptic vesicle transport

regulation of cell shape;embryonic development via the syncytial blastoderm;actin filament organization;ovarian follicle development

RNA splicing, via transesterification reactions with bulged adenosine as nucleophile;RNA splicing, via transesterification reactions with bulged adenosine as nucleophile

RIN1-STAM2-HRS complex

Hse1p/Vps27p complex

vesicle organization;endocytosis;synaptic vesicle transport;synaptic vesicle endocytosis;synaptic transmission

intracellular protein transport;nuclear transport;nucleocytoplasmic transport;protein transport;protein targeting

protein folding;mitotic spindle organization;spindle organization;small GTPase mediated signal transduction;M phase

Cdh23-Myo1c complex

regulation of cell morphogenesis;regulation of cell shape;chitin-based larval cuticle pattern formation;cuticle development

metabolic process

Unknown

synaptic vesicle budding;synaptic vesicle endocytosis;synaptic vesicle budding from presynaptic membrane;synaptic transmission

Unknown

signal transduction;protein transport;intracellular transport;small GTPase mediated signal transduction;intracellular transport

cellular metabolic process;metabolic process

Unknown

## (A) entire Hippo-PPIN

mitotic spindle organization;neurogenesis;spindle organization;cytoskeleton organization;microtubule cytoskeleton organization;positive regulation of programmed cell death;regulation of apoptotic process;positive regulation of establishment of protein localization;signal transduction;protein transport;small GTPase mediated signal transduction;synaptic vesicle budding;synaptic vesicle endocytosis;synaptic vesicle budding from presynaptic membrane;synaptic vesicle budding;small GTPase mediated signal transduction;macromolecule localization

cellular localization;small GTPase mediated signal transduction;macromolecule localization

BRAF-MAP2K1-MAP2K2-YWHAE complex;RAF1-MAP2K1-YWHAE complex

TEAD2-multiprotein complex

Unknown

BRAF-RAF1-14-3-3 complex

metabolic process

regulation of growth

intracellular protein transport;nuclear transport;nucleocytoplasmic transport;protein transport;intracellular transport;intracellular protein transport;nucleocytoplasmic transport;regulation of protein phosphorylation;regulation of kinase activity;regulation of protein phosphorylation;vesicle-mediated transport;protein localization;intracellular transport;small GTPase mediated signal transduction

establishment of protein localization;vesicle-mediated transport;protein transport;small GTPase mediated signal transduction

metabolic process

mitotic spindle organization;spindle organization;cytoskeleton organization;microtubule cytoskeleton organization;cellular metabolic process;cellular macromolecule metabolic process;macromolecule metabolic process;DNA replication;primary spermatocyte growth;transmembrane receptor protein tyrosine kinase signaling pathway;insulin receptor signaling pathway;secretion by cell;protein transport;small GTPase mediated signal transduction;synaptic transmission;intracellular transport;cellular biosynthetic process;cellular metabolic process;biosynthetic process;metabolic process

cell death;apoptotic process;programmed cell death;death

mitotic spindle organization;spindle organization;microtubule cytoskeleton organization;cytoplasmic microtubule organization;protein folding;mitotic spindle organization;spindle organization;microtubule cytoskeleton organization;M phase of cell cycle;mitotic spindle organization;spindle organization;microtubule cytoskeleton organization;cytoplasmic microtubule organization;neuron differentiation;protein transport;generation of neurons;small GTPase mediated signal transduction;intracellular transport;proteolysis;macromolecule catabolic process;protein metabolic process;catabolic process;protein catabolic process;secretion by cell;Golgi vesicle transport;small GTPase mediated signal transduction;synaptic transmission;intracellular transport;cellular respiration;oxidative phosphorylation;mitochondrial ATP synthesis coupled electron transport;ATP synthesis

metabolic process

cellular metabolic process

intracellular protein transport;chitin-based larval cuticle pattern formation;cuticle development involved in chitin-based larval cuticle pattern formation;cuticle development involved in protein-based cuticle molting cycle;chitin-based larval cuticle pattern formation;

Unknown

Oligosaccharyltransferase complex (Stt3A variant);Oligosaccharyltransferase;Oligosaccharyltransferase complex

protein folding;mitotic spindle organization;spindle organization;cytoskeleton organization;microtubule cytoskeleton organization;mitotic spindle organization;spindle organization;microtubule cytoskeleton organization;cytoplasmic microtubule organization

Unknown

nucleic acid phosphodiester bond hydrolysis;mRNA cleavage

microtubule-based process;mitotic cell cycle;cellular component organization or biogenesis at cellular level;microtubule-based process;mitotic spindle organization;spindle organization;cytoskeleton organization;microtubule cytoskeleton organization

RPA-MSH4-BLM complex

establishment of protein localization;intracellular protein transport;retrograde vesicle-mediated transport, Golgi transport

AIF-CYPA-DNA complex

establishment of protein localization;intracellular protein transport;protein transport;intracellular transport;cellular component organization or biogenesis at cellular level;nucleic acid phosphodiester bond hydrolysis;mRNA metabolic process;mRNA cleavage;mRNA processing;RNA processing

signal transduction;protein modification process;protein phosphorylation;phosphorylation;intracellular signal transduction

Unknown

cellular metabolic process;metabolic process

## (A) entire Hippo-PPIN

Unknown

transcription export complex

peptidyl-asparagine modification;very long-chain fatty acid metabolic process;protein N-linked glycosylation via regulation of nuclear mRNA splicing, via spliceosome;regulation of alternative nuclear mRNA splicing, via splice cellular catabolic process;cellular metabolic process

vesicle coating;synaptic vesicle endocytosis;synaptic vesicle budding from presynaptic membrane;synaptic vesicle 53BP1-containing complex

membrane organization;cellular membrane organization;membrane invagination;vesicle-mediated transport;end intracellular protein transport;membrane invagination;germ cell development;endocytosis;protein transport

protein localization to nucleus;protein targeting;nuclear import;protein import into nucleus;protein import

protein localization to nucleus;protein targeting;nuclear import;protein import into nucleus;protein import

cellular response to hydrogen peroxide;synaptic vesicle transport;synaptic vesicle endocytosis;regulation of apo

oocyte axis specification;compound eye photoreceptor development;compound eye photoreceptor cell differenti

generation of precursor metabolites and energy

Unknown

oocyte differentiation;oocyte axis specification;actin filament organization;oocyte development;oocyte constructi

Unknown

cellular process

Unknown

establishment of protein localization;protein localization;protein transport;small GTPase mediated signal transdu protein folding;cellular protein metabolic process;cellular metabolic process;cellular macromolecule metabolic pr

(ER)-localized multiprotein complex, Ig heavy chains associated

mitotic spindle organization;spindle organization;cytoskeleton organization;microtubule cytoskeleton organizati

signal transduction;vesicle-mediated transport;protein transport;small GTPase mediated signal transduction;intra

Unknown

Unknown

membrane organization;cellular membrane organization;endosome transport;protein ADP-ribosylation;small GTP protein localization;macromolecule localization

biosynthetic process

snRNP-free U1A (SF-A) complex

transport;cellular localization;establishment of localization;protein localization;macromolecule localization

establishment of protein localization;signal transduction;protein transport;small GTPase mediated signal transdu protein folding;mitotic spindle organization;spindle organization;microtubule cytoskeleton organization;M phase

tRNA metabolic process;tRNA aminoacylation;amino acid activation;cytoplasmic microtubule organization;tRNA

establishment of protein localization;vesicle-mediated transport;protein transport;small GTPase mediated signal

metabolic process

RNA interference;small RNA loading onto RISC;posttranscriptional gene silencing by RNA;production of siRNA i

Unknown

synaptic vesicle budding;synaptic vesicle endocytosis;synaptic vesicle budding from presynaptic membrane;syn synaptic vesicle budding;synaptic vesicle endocytosis;synaptic vesicle budding from presynaptic membrane;spe

tissue homeostasis;regulation of tube architecture, open tracheal system;anatomical structure homeostasis;multi

anatomical structure development;multicellular organismal development;neurogenesis;epithelium development;i

oocyte differentiation;oocyte axis specification;regulation of cellular component biogenesis;female gamete gene

negative regulation of response to stimulus;negative regulation of signal transduction;regulation of epidermal grc

PALS1-Par3-aPKC-14-3-3 zeta complex

regulation of imaginal disc growth;regulation of organ growth;regulation of developmental growth

compound eye development;eye morphogenesis;eye development;compound eye morphogenesis;actin cytoske

protein folding;mitotic spindle organization;spindle organization;microtubule cytoskeleton organization;M phase

protein folding;mitotic spindle organization;spindle organization;cytoskeleton organization;microtubule cytoskele

protein folding;mitotic spindle organization;spindle organization;microtubule cytoskeleton organization;M phase

Malonate semialdehyde pathway, propanoyl-CoA => Acetyl-CoA

## (A) entire Hippo-PPIN

macromolecule catabolic process;protein catabolic process  
mitotic spindle organization;neurogenesis;spindle organization;microtubule cytoskeleton organization;M phase  
protein folding;mitotic spindle organization;spindle organization;microtubule cytoskeleton organization;M phase  
establishment of protein localization;transport;establishment of localization;protein localization;protein transport  
cytoplasmic microtubule organization  
purine ribonucleotide catabolic process;purine nucleoside triphosphate catabolic process;purine ribonucleoside t  
Prolyl 4-hydroxylase (alpha(II)-type)  
nascent polypeptide-associated complex  
carboxylic acid metabolic process;cellular ketone metabolic process;organic acid metabolic process;oxoacid me  
Unknown  
peptidyl-asparagine modification;very long-chain fatty acid metabolic process;protein N-linked glycosylation via  
compound eye development;neuron differentiation;generation of neurons;eye morphogenesis;compound eye m  
Succinyl-CoA ligase  
mitotic spindle organization;spindle organization;microtubule cytoskeleton organization;cytoplasmic microtubule  
retrograde vesicle-mediated transport, Golgi to ER;Golgi vesicle transport;vesicle-mediated transport;regulation  
CALM1-FKBP38-BCL2 complex  
HSP90-FKBP38-CAM-Ca(2+) complex  
spermatid development;cellularization;sperm individualization;spermatid differentiation  
synaptic vesicle budding;synaptic vesicle endocytosis;synaptic vesicle budding from presynaptic membrane;spe  
regulation of tube length, open tracheal system;very long-chain fatty acid metabolic process;protein N-linked gly  
mitotic spindle organization;centrosome cycle;centrosome duplication;spindle elongation;mitotic spindle elongati  
cell cycle process;protein metabolic process;macromolecule metabolic process;primary metabolic process;orgar  
nuclear transport;nucleocytoplasmic transport  
transmembrane receptor protein serine/threonine kinase signaling pathway;protein targeting;nuclear import;prot  
SWAP complex  
DGCR8 multiprotein complex  
metabolic process  
cellular biosynthetic process;biosynthetic process;lipid metabolic process  
RNA-induced silencing complex  
glycoprotein metabolic process;protein glycosylation;glycoprotein biosynthetic process;macromolecule glycosyla  
cellular component assembly;organelle assembly;establishment or maintenance of cell polarity;spindle assembl  
Translocon-associated protein (TRAP) complex  
secretion by cell;protein transport;small GTPase mediated signal transduction;synaptic transmission;intracellular  
Unknown  
purine nucleoside triphosphate biosynthetic process;ATP metabolic process;purine ribonucleoside triphosphate t  
transport;establishment of localization  
activation of cysteine-type endopeptidase activity involved in apoptotic process;activation of cysteine-type endo  
mitochondrion organization;mitochondrial transport  
mitotic spindle organization;spindle organization;microtubule cytoskeleton organization;cytoplasmic microtubule  
mitotic spindle organization;neurogenesis;spindle organization;microtubule cytoskeleton organization;M phase  
protein folding;mitotic spindle organization;spindle organization;microtubule cytoskeleton organization;M phase  
protein folding;glycerol ether metabolic process;organic ether metabolic process;cellular homeostasis;cell redox  
cellular biosynthetic process;cellular metabolic process;biosynthetic process;primary metabolic process;metaboli  
protein folding;mitotic spindle organization;spindle organization;microtubule cytoskeleton organization;cytoplas  
mitotic spindle organization;spindle organization;microtubule cytoskeleton organization;cytoplasmic microtubule  
cellular biosynthetic process;cellular metabolic process;biosynthetic process;primary metabolic process;metaboli  
secretion by cell;protein transport;small GTPase mediated signal transduction;synaptic transmission;intracellular  
Lebercilin complex (Lca5, Ncl, Npm1, Ywhae, HSPA1A/B, Dctn1, Dctn2)  
regulation of actin polymerization or depolymerization;regulation of actin cytoskeleton organization;regulation of  
peptidyl-asparagine modification;very long-chain fatty acid metabolic process;protein N-linked glycosylation via  
Unknown

## (A) entire Hippo-PPIN

synaptic vesicle budding;synaptic vesicle endocytosis;synaptic vesicle budding from presynaptic membrane;syn  
Unknown

RNA interference;small RNA loading onto RISC;production of small RNA involved in gene silencing by RNA;pro  
heterochromatin organization involved in chromatin silencing;RNA interference;chromatin silencing;siRNA loadin  
establishment of protein localization;intracellular protein transport;protein transport;intracellular transport;cellular  
peptidyl-asparagine modification;protein N-linked glycosylation via asparagine;protein N-linked glycosylation  
mitotic spindle organization;centrosome cycle;centrosome duplication;spindle elongation;mitotic spindle elongati  
protein folding;mitotic spindle organization;spindle organization;microtubule cytoskeleton organization;M phase  
membrane invagination;endocytosis;protein transport;small GTPase mediated signal transduction;intracellular si  
nucleic acid phosphodiester bond hydrolysis;mRNA metabolic process;mRNA cleavage;mRNA processing;RNA  
Unknown

Fatty acid biosynthesis, elongation, mitochondria

cellular component organization at cellular level;cellular component organization or biogenesis at cellular level;c  
oocyte axis specification;oocyte microtubule cytoskeleton polarization;oocyte microtubule cytoskeleton organiza  
nucleic acid phosphodiester bond hydrolysis;mRNA cleavage

Reductive pentose phosphate cycle, glyceraldehyde-3P => RuBP

RNA pol II containing coactivator complex Tat-SF

protein localization in endoplasmic reticulum

AP-1 adaptor complex

purine nucleoside triphosphate biosynthetic process;ATP metabolic process;purine ribonucleoside triphosphate b  
secretion by cell;regulation of neurotransmitter levels;ovarian follicle cell development;oogenesis;neurotransmitt  
biosynthetic process;metabolic process

Unknown

proteolysis;protein metabolic process;macromolecule metabolic process;primary metabolic process;metabolic pr  
oxidative phosphorylation;mitochondrial ATP synthesis coupled electron transport;ATP synthesis coupled elect  
protein glycosylation;glycoprotein biosynthetic process;cellular lipid metabolic process;macromolecule glycosyla  
establishment of protein localization;signal transduction;protein transport;small GTPase mediated signal transdu  
unconventional myosin complex

Golgi vesicle transport;vesicle-mediated transport

peptidyl-asparagine modification;very long-chain fatty acid metabolic process;protein N-linked glycosylation via a  
metabolic process

membrane invagination;endocytosis;small GTPase mediated signal transduction;vesicle fusion;endosomal vesic  
establishment of protein localization;transport;establishment of localization;protein localization;protein transport  
protein glycosylation;peptidyl-asparagine modification;glycoprotein biosynthetic process;protein N-linked glycosy  
metabolic process

mitotic spindle organization;spindle elongation;spindle organization;microtubule cytoskeleton organization;mitoti  
regulation of centrosome duplication;regulation of centrosome cycle;modification-dependent protein catabolic pr  
regulation of cell development;regulation of multicellular organismal development;synaptic transmission;regulati  
COPII complex

Unknown

protein targeting to membrane;peptidyl-asparagine modification;protein N-linked glycosylation via asparagine;pr  
purine nucleoside triphosphate biosynthetic process;ATP metabolic process;purine ribonucleoside triphosphate b  
establishment of protein localization;intracellular protein transport;protein transport;intracellular transport;cellular  
Golgi vesicle transport;protein transport;Golgi organization;small GTPase mediated signal transduction;organelle  
mitotic spindle organization;spindle organization;microtubule cytoskeleton organization;cytoplasmic microtubule  
nucleocytoplasmic transport;protein targeting;nuclear import;protein import into nucleus;protein import  
intracellular protein transport;protein targeting;nuclear import;microtubule cytoskeleton organization;protein impo  
metabolic process

peptidyl-asparagine modification;very long-chain fatty acid metabolic process;protein N-linked glycosylation via a  
cellular biosynthetic process;cellular lipid metabolic process;lipid metabolic process  
ribonucleoprotein complex biogenesis;cellular component biogenesis at cellular level

## (A) entire Hippo-PPIN

mitotic spindle organization;spindle organization;cytoskeleton organization;microtubule cytoskeleton organization  
nuclear-transcribed mRNA catabolic process, deadenylation-dependent decay;nuclear-transcribed mRNA catabolic  
intracellular protein transport;retrograde vesicle-mediated transport, Golgi to ER;Golgi vesicle transport;regulatory  
glycoprotein metabolic process;protein glycosylation;glycoprotein biosynthetic process;macromolecule glycosylation  
signal transduction;regionalization;organ morphogenesis;organ development;intracellular signal transduction  
mRNA metabolic process;mRNA cleavage;mRNA processing;RNA metabolic process;RNA processing  
oocyte axis specification;oocyte development;oocyte microtubule cytoskeleton organization;oocyte construction;  
oocyte axis specification;oocyte microtubule cytoskeleton polarization;oocyte microtubule cytoskeleton organization  
CIN85 complex (CIN85, CRK, BCAR1, CBL, PIK3R1, GRB2, SOS1)  
regulation of cellular process;regulation of nuclear mRNA splicing, via spliceosome;regulation of alternative nuclear  
regulation of actin polymerization or depolymerization;regulation of actin cytoskeleton organization;regulation of  
centrosome cycle;NLS-bearing substrate import into nucleus;centrosome duplication;protein import into nucleus;  
nucleic acid metabolic process;cellular macromolecule metabolic process;nucleobase-containing compound metabolism  
Unknown  
membrane invagination;endocytosis;protein transport;small GTPase mediated signal transduction;intracellular signaling  
POLR2A-CCNT1-CDK9-NCL-LEM6-CPSF2 complex  
purine nucleoside triphosphate biosynthetic process;ATP metabolic process;purine ribonucleoside triphosphate biosynthesis  
Unknown  
protein sumoylation;SMT3-dependent protein catabolic process;positive regulation of NF-kappaB transcription factor activity  
Unknown  
glycoprotein metabolic process;phospholipid metabolic process;protein glycosylation;glycoprotein biosynthetic process  
actomyosin structure organization;actin polymerization or depolymerization;actin filament organization;cytoskeleton  
cellular protein catabolic process;interphase of mitotic cell cycle;proteolysis involved in cellular protein catabolic  
imaginal disc-derived wing morphogenesis;negative regulation of signal transduction;somatic stem cell maintenance  
system development  
peptidyl-amino acid modification;protein glycosylation;peptidyl-asparagine modification;protein N-linked glycosylation  
Wnt receptor signaling pathway  
purine ribonucleotide catabolic process;ribonucleoside triphosphate catabolic process;purine ribonucleoside triphosphate  
translational initiation;spindle elongation;salivary gland histolysis;salivary gland cell autophagic cell death;mitotic  
CDH23-harmonin transmembrane complex  
cellular biosynthetic process;cellular metabolic process;biosynthetic process;primary metabolic process;metabolic  
Unknown  
peptidyl-asparagine modification;protein N-linked glycosylation via asparagine;protein N-linked glycosylation  
compound eye development;eye photoreceptor cell differentiation;compound eye photoreceptor cell differentiation  
peptidyl-asparagine modification;protein N-linked glycosylation via asparagine;protein N-linked glycosylation  
positive regulation of cellular process;positive regulation of biological process;regulation of cellular localization;regulation of  
Coatomer-Arf1 complex  
translational elongation;cellular macromolecule biosynthetic process;cellular protein metabolic process;cellular nucleic acid  
nucleic acid metabolic process;cellular macromolecule metabolic process;nucleobase-containing compound metabolism  
mitotic spindle organization;spindle elongation;spindle organization;microtubule cytoskeleton organization;mitotic  
protein targeting to membrane;protein targeting;protein targeting to ER;SRP-dependent cotranslational protein targeting  
centrosome organization;mitotic spindle organization;centrosome cycle;centrosome duplication;mitotic spindle elongation  
Spliceosome, U1-snRNP  
ncRNA metabolic process;tRNA metabolic process;tRNA aminoacylation;amino acid activation;tRNA aminoacylation  
intracellular protein kinase cascade;signal transduction;cellular protein localization;intracellular signal transduction

(A) entire Hippo-PPIN

II fate specification;R8 cell fate specification

cription, DNA-dependent;regulation of transcription from RNA polymerase II promoter;positive regulat

individualization;spermatid differentiation

cytosis;regulation of neurotransmitter levels;neurotransmitter secretion

eye development

import;protein import into nucleus;SMAD protein import into nucleus

development

rgan development

stis specific;chaperonin-containing T-complex;CCT micro-complex

erm individualization;synaptic vesicle coating

olved in interaction with host;negative regulation of growth of symbiont in host;regulation of growth o  
organization;M phase

on;photoreceptor cell differentiation;compound eye morphogenesis

morphogenesis

anizing center organization

ctor signaling pathway;protein transport;regulation of cell communication

ort

rocess;M phase

on

ulation of cell communication;regulation of signaling

ucle endocytosis

nurse cell to oocyte transport;actin cytoskeleton organization

ification reactions;nuclear mRNA splicing, via spliceosome;regulation of nuclear mRNA splicing, via

hase

velopment involved in chitin-based cuticle molting cycle;larval chitin-based cuticle development

aptic vesicle coating;neurotransmitter secretion

lar signal transduction



(A) entire Hippo-PPIN

on organization  
f apoptotic process;positive regulation of cell death  
ction;intracellular signal transduction  
aptic vesicle coating;neurotransmitter secretion

ort  
in kinase activity;regulation of phosphorylation  
;intracellular signal transduction  
transduction;intracellular signal transduction

n;M phase  
plication;DNA metabolic process  
r signaling pathway;cellular response to insulin stimulus;male germ-line stem cell division  
- signal transduction  
disc morphogenesis;wing disc morphogenesis

organization;M phase

organization;M phase  
ellular signal transduction  
ess  
:ellular signal transduction  
esis coupled electron transport;respiratory electron transport chain

based cuticle molting cycle;larval chitin-based cuticle development;cuticle pattern formation  
cuticle development involved in chitin-based cuticle molting cycle;larval chitin-based cuticle develop

:x (Stt3B variant)  
ton organization  
organization;M phase

otubule cytoskeleton organization;organelle organization  
n;M phase

o ER;Golgi vesicle transport;protein transport

- protein localization  
processing  
sduction

(A) entire Hippo-PPIN

asparagine;long-chain fatty acid metabolic process;fatty acid biosynthetic process  
osome;regulation of RNA splicing;regulation of mRNA processing

cle coating;neurotransmitter secretion

locytosis

ptotic process;hydrogen peroxide catabolic process  
ation;oocyte microtubule cytoskeleton polarization;oocyte microtubule cytoskeleton organization

on

ction;intracellular signal transduction  
rocess;protein metabolic process

n;M phase  
acellular signal transduction

Pase mediated signal transduction

ction;intracellular signal transduction

, aminoacylation for protein translation  
transduction;intracellular signal transduction

involved in RNA interference;siRNA loading onto RISC involved in RNA interference

aptic vesicle coating;neurotransmitter secretion  
erm individualization;synaptic vesicle coating  
icellular organismal homeostasis  
morphogenesis of an epithelium  
ration;oogenesis  
rowth factor receptor signaling pathway;negative regulation of cell communication;negative regulati

leton organization

ton organization

(A) entire Hippo-PPIN

riphosphate catabolic process;GTP metabolic process;GTP catabolic process

tabolic process

asparagine;long-chain fatty acid metabolic process;fatty acid biosynthetic process  
orphogenesis

organization;M phase  
of lipid storage;intracellular transport

orm individualization;synaptic vesicle coating  
cosylation via asparagine;long-chain fatty acid metabolic process;fatty acid biosynthetic process  
ion  
relle organization

ein import into nucleus;SMAD protein import into nucleus

ition;glycosylation  
y;cellular component assembly at cellular level

· signal transduction

iosynthetic process;ATP biosynthetic process;ATP synthesis coupled proton transport

peptidase activity;oocyte microtubule cytoskeleton polarization;oocyte microtubule cytoskeleton org;

organization;M phase

homeostasis  
ic process  
ric microtubule organization  
organization;M phase  
ic process  
· signal transduction

· actin filament polymerization;actin filament organization;regulation of actin filament length  
asparagine;long-chain fatty acid metabolic process;fatty acid biosynthetic process

## (A) entire Hippo-PPIN

aptic vesicle coating;neurotransmitter secretion

duction of siRNA involved in RNA interference;siRNA loading onto RISC involved in RNA interference  
ng onto RISC involved in RNA interference;production of siRNA involved in RNA interference  
protein localization

ion

ignal transduction  
processing

ellular component organization;cytoskeleton organization;organelle organization  
tion;oocyte construction;germarium-derived oocyte fate determination

iosynthetic process;ATP biosynthetic process;ATP synthesis coupled proton transport  
er secretion

rocess

on transport;mitochondrial electron transport, ubiquinol to cytochrome c;respiratory electron transport;  
glycosylation  
ction;intracellular signal transduction

asparagine;long-chain fatty acid metabolic process;fatty acid biosynthetic process

le fusion

lation via asparagine;protein N-linked glycosylation

c spindle elongation

ocess;regulation of microtubule cytoskeleton organization;ubiquitin-dependent protein catabolic pro  
on of nervous system development;regulation of synapse structure and activity

otein N-linked glycosylation;cotranslational protein targeting to membrane

iosynthetic process;ATP biosynthetic process;ATP synthesis coupled proton transport  
protein localization

e organization  
organization;M phase

ort into nucleus

asparagine;long-chain fatty acid metabolic process;fatty acid biosynthetic process

## (A) entire Hippo-PPIN

n;M phase

olic process;G2/M transition DNA damage checkpoint;nuclear-transcribed mRNA poly(A) tail shorter  
on of lipid storage;cellular protein localization  
tion;glycosylation

;germarium-derived oocyte fate determination

tion;oocyte construction;germarium-derived oocyte fate determination

lear mRNA splicing, via spliceosome;regulation of RNA splicing;regulation of mRNA processing

actin filament polymerization;regulation of cytoskeleton organization;regulation of actin filament len

;SMAD protein import into nucleus

tabolic process;RNA metabolic process;cellular nitrogen compound metabolic process

ignal transduction

iosynthetic process;ATP biosynthetic process;ATP synthesis coupled proton transport

actor activity;positive regulation of sequence-specific DNA binding transcription factor activity;regula

rocess;macromolecule glycosylation

ton organization;actin cytoskeleton organization

process;modification-dependent protein catabolic process;ubiquitin-dependent protein catabolic pro

ance;negative regulation of Wnt receptor signaling pathway;ovarian follicle cell development

ation via asparagine;protein N-linked glycosylation

osphate catabolic process;GTP metabolic process;GTP catabolic process

; spindle elongation

ic process

on;photoreceptor cell differentiation;compound eye morphogenesis

egulation of localization;organelle organization

macromolecule metabolic process;translation

tabolic process;cellular nitrogen compound metabolic process

c spindle elongation

argeting to membrane;cotranslational protein targeting to membrane

longation

ation for protein translation

on;JAK-STAT cascade

(A) entire Hippo-PPIN

ion of transcription from RNA polymerase II promoter

of symbiont in host;protein transport

spliceosome;mRNA processing

(A) entire Hippo-PPIN



oment;cuticle pattern formation

(A) entire Hippo-PPIN

n of signaling



(A) entire Hippo-PPIN

anization;positive regulation of cysteine-type endopeptidase activity involved in apoptotic process

(A) entire Hippo-PPIN

ice

rt chain

cess

(A) entire Hippo-PPIN

ring;mitotic cell cycle G2/M transition DNA damage checkpoint

length

inhibition of sequence-specific DNA binding transcription factor activity

process

## (B) Ft

ComplexID	Complex Score	P-value	Size
FC4002	0.2825	5.85450200021381e-222	6
FC3215	0.226	2.68308917048752e-131	7
FC5808	0.182	1.0965367233923e-84	7
FC939	1	0	3
FC3406	0.226	2.68308917048752e-131	7
FC3762	0.225	2.5025007128992e-140	6
FC4732	0.38	0	4
FC3474	0.1725	5.5384597978109e-82	6
FC2120	0.53	0	4
FC4477	0.2825	5.85450200021381e-222	6
FC6308	0.15	1.0429715269842e-61	6
FC6121	0.2225	3.3657954711152e-137	6
FC2153	0.195	4.27003883244533e-105	6
FC1893	0.2475	4.60516261989697e-170	6
FC3999	0.25	1.52810073679158e-173	6
FC6609	0.2975	2.65567700551251e-246	6
FC5088	0.25	1.52810073679158e-173	6
FC47	0.22	4.17602688713522e-134	6
FC3957	0.2975	2.65567700551251e-246	6
FC3331	0.235	3.41303458113177e-153	6
FC4344	0.41	0	3
FC3622	0.4025	0	6
FC6451	0.15	1.0429715269842e-61	6
FC5511	0.3025	1.07012236072524e-254	6
FC600	0.246666667	6.032738029056e-97	5
FC5845	0.285	0	4
FC203	0.38	0	4
FC4484	0.44	0	4
FC2025	0.89	0	4
FC5075	0.44	0	4
FC2819	0.205	0	4
FC2607	0.6	0	3
FC139	0.15	0	3
FC1109	0.6	0	3
FC95	0.6	0	3
FC3753	0.36	0	3

(B) Ft

**Members\_GeneID**

FBgn0020255;FBgn0039302;FBgn0003321;FBgn0052484;FBgn0003346;FBgn0028411  
FBgn0020255;FBgn0039302;FBgn0037364;FBgn0002638;FBgn0003346;FBgn0033160;FBgn0028411  
FBgn0029512;FBgn0029113;FBgn0037715;FBgn0013726;FBgn0026170;FBgn0014029;FBgn0010602  
FBgn0043012;FBgn0010380;FBgn0263350  
FBgn0020255;FBgn0039302;FBgn0031145;FBgn0003321;FBgn0003346;FBgn0026170;FBgn0028411  
FBgn0034691;FBgn0025865;FBgn0001961;FBgn0031799;FBgn0000578;FBgn0004638  
FBgn0010660;FBgn0026143;FBgn0026207;FBgn0034118  
FBgn0015024;FBgn0002413;FBgn0010380;FBgn0035110;FBgn0030631;FBgn0033185  
FBgn0013726;FBgn0014029;FBgn0026361;FBgn0011710  
FBgn0000404;FBgn0020255;FBgn0039302;FBgn0052484;FBgn0003346;FBgn0028411  
FBgn0036448;FBgn0036666;FBgn0031450;FBgn0027363;FBgn0024314;FBgn0004638  
FBgn0038965;FBgn0011642;FBgn0011739;FBgn0261456;FBgn0262029;FBgn0000578  
FBgn0037607;FBgn0039425;FBgn0036784;FBgn0000064;FBgn0050410;FBgn0032820  
FBgn0040064;FBgn0033879;FBgn0028479;FBgn0033883;FBgn0025352;FBgn0033949  
FBgn0000256;FBgn0261259;FBgn0000043;FBgn0261458;FBgn0024238;FBgn0000308  
FBgn0010660;FBgn0038722;FBgn0086558;FBgn0036105;FBgn0034118;FBgn0013334  
FBgn0000045;FBgn0000043;FBgn0261458;FBgn0000042;FBgn0033075;FBgn0000064  
FBgn0262126;FBgn0038947;FBgn0033460;FBgn0262125;FBgn0033339;FBgn0024509  
FBgn0010660;FBgn0027868;FBgn0033737;FBgn0086558;FBgn0034118;FBgn0013334  
FBgn0083969;FBgn0010348;FBgn0015790;FBgn0262125;FBgn0033339;FBgn0024509  
FBgn0025724;FBgn0037549;FBgn0025725  
FBgn0032961;FBgn0014189;FBgn0010348;FBgn0031661;FBgn0033264;FBgn0024509  
FBgn0001235;FBgn0004107;FBgn0031450;FBgn0003093;FBgn0027363;FBgn0024314  
FBgn0020255;FBgn0010621;FBgn0039302;FBgn0003346;FBgn0260990;FBgn0028411  
FBgn0010380;FBgn0263351;FBgn0024833;FBgn0030089;FBgn0039132  
FBgn0027066;FBgn0004177;FBgn0029687;FBgn0038766  
FBgn0010660;FBgn0036997;FBgn0026207;FBgn0034118  
FBgn0262125;FBgn0031818;FBgn0033339;FBgn0024509  
FBgn0003392;FBgn0011225;FBgn0025865;FBgn0063485  
FBgn0032265;FBgn0262125;FBgn0033339;FBgn0024509  
FBgn0025724;FBgn0037549;FBgn0025725;FBgn0037610  
FBgn0085443;FBgn0031450;FBgn0027363  
FBgn0020255;FBgn0039302;FBgn0262743  
FBgn0035060;FBgn0031450;FBgn0027363  
FBgn0032246;FBgn0031450;FBgn0027363  
FBgn0004397;FBgn0028479;FBgn0035432

## (B) Ft

<b>Members_GeneSymbol</b>	<b>Members_SAINTE_Score</b>
ran;Nup358;sbr;Sk2;RanGap;Nxt1	0.15;1.00;NA;NA;0.98;NA
ran;Nup358;Rab23;Bj1;RanGap;CG11107;Nxt1	0.15;1.00;NA;NA;0.98;NA;NA
Aos1;Uba2;CG9399;pnut;smt3;Sep2;lwr	NA;NA;NA;0.91;NA;1.00;NA
AP-2sigma;Bap;alpha-Adaptin	0.16;1.00;1.00
ran;Nup358;Ntf-2;sbr;RanGap;smt3;Nxt1	0.15;1.00;NA;NA;0.98;NA;NA
synj;Cortactin;Sop2;Pez;ena;drk	NA;0.90;NA;NA;0.91;NA
Nup214;CDC45L;mbo;Nup62	0.60;NA;0.16;0.71
Cklalpha;dco;Bap;thoc7;CG6227;CG1603	0.38;0.31;1.00;0.00;NA;NA
pnut;Sep2;Sep5;Sep1	0.91;1.00;NA;0.15
CycA;ran;Nup358;Sk2;RanGap;Nxt1	NA;0.15;1.00;NA;0.98;NA
mop;TSG101;Hrs;Stam;Plap;drk	NA;NA;0.99;0.60;NA;NA
mats;Zyx;wts;hpo;d;ena	0.89;NA;NA;0.00;0.00;0.91
CG8036;CG5432;CG5103;Ald;CG30410;fbp	0.78;NA;NA;1.00;NA;NA
yip2;CG6543;CG4389;CG16935;Thiolase;CG10131	NA;NA;1.00;NA;0.99;NA
capu;Fhos;Act42A;capt;Fim;chic	NA;NA;NA;1.00;1.00;NA
Nup214;Nup58;Ubi-p5E;bls4;Nup62;Sap47	0.60;NA;NA;NA;0.71;0.59
Act79B;Act42A;capt;Act5C;Pid;Ald	NA;NA;1.00;0.00;NA;1.00
gho;sar1;sec24;sec23;sec31;sec13	NA;NA;NA;NA;1.00;0.88
Nup214;Nup107;Nup54;Ubi-p5E;Nup62;Sap47	0.60;NA;NA;NA;0.71;0.59
CG34133;Arf79F;Rab11;sec23;sec31;sec13	0.06;0.00;NA;NA;1.00;0.88
beta'Cop;CG7878;alphaCop	0.62;NA;0.41
CG1416;Hel25E;Arf79F;Gmd;Nup50;sec13	0.73;0.00;0.00;NA;0.98;0.88
hth;cdc2c;Hrs;Pkc98E;Stam;Plap	NA;NA;0.99;NA;0.60;NA
ran;Cct5;Nup358;RanGap;yata;Nxt1	0.15;NA;1.00;0.98;0.08;NA
Bap;AP-50;AP-47;AP-1gamma;AP-1sigma	1.00;0.74;0.00;NA;NA
Eb1;mts;Vap-33-1;CG4854	0.57;NA;0.92;NA
Nup214;CG5955;mbo;Nup62	0.60;NA;0.16;0.71
sec23;CG9536;sec31;sec13	NA;NA;1.00;0.88
shi;jar;Cortactin;Lasp	0.88;NA;0.90;0.90
CG18301;sec23;sec31;sec13	NA;NA;1.00;0.88
beta'Cop;CG7878;alphaCop;CG8043	0.62;NA;0.41;NA
spri;Hrs;Stam	NA;0.99;0.60
ran;Nup358;Fs(2)Ket	0.15;1.00;NA
Eps-15;Hrs;Stam	0.17;0.99;0.60
CG5168;Hrs;Stam	NA;0.99;0.60
Vinc;CG4389;ZnT63C	0.36;1.00;NA

(B) Ft

**Name**

intracellular protein transport;nuclear transport;nucleocytoplasmic transport;protein transport;intracellular transport  
intracellular protein transport;nuclear transport;nucleocytoplasmic transport;protein transport;cellular protein localization  
protein sumoylation;SMT3-dependent protein catabolic process;positive regulation of NF-kappaB transcription factor  
AP2 adaptor complex  
intracellular protein transport;nuclear transport;nucleocytoplasmic transport;protein transport;protein targeting  
regulation of cell shape;embryonic development via the syncytial blastoderm;actin filament organization;ovarian  
protein localization to nucleus;protein targeting;nuclear import;protein import into nucleus;protein import  
Wnt receptor signaling pathway  
cellularization;positive regulation of programmed cell death;regulation of apoptotic process;positive regulation of  
nucleocytoplasmic transport;regulation of protein phosphorylation;regulation of kinase activity;regulation of protein  
establishment of protein localization;regulation of signal transduction;regulation of epidermal growth factor receptor  
compound eye development;organ morphogenesis;eye development;morphogenesis of an epithelium;sensory organ  
Reductive pentose phosphate cycle, glyceraldehyde-3P => RuBP  
Fatty acid biosynthesis, elongation, mitochondria  
oocyte differentiation;oocyte axis specification;actin filament organization;oocyte development;oocyte construction  
nuclear transport;nucleocytoplasmic transport  
cellular component organization at cellular level;cellular component organization or biogenesis at cellular level;cellular  
COPII complex  
transmembrane receptor protein serine/threonine kinase signaling pathway;protein targeting;nuclear import;protein  
regulation of cell morphogenesis;regulation of cell shape;chitin-based larval cuticle pattern formation;cuticle development  
establishment of protein localization;intracellular protein transport;retrograde vesicle-mediated transport, Golgi to ER  
transmembrane receptor protein serine/threonine kinase signaling pathway;nucleocytoplasmic transport;nuclear  
intracellular protein kinase cascade;signal transduction;cellular protein localization;intracellular signal transduction  
intracellular protein transport;nuclear transport;nucleocytoplasmic transport;protein transport;intracellular transport  
AP-1 adaptor complex  
cellular component assembly;organelle assembly;establishment or maintenance of cell polarity;spindle assembly  
protein localization to nucleus;protein targeting;nuclear import;protein import into nucleus;protein import  
intracellular protein transport;chitin-based larval cuticle pattern formation;cuticle development involved in chitin-larval  
sperm individualization complex  
cuticle development involved in protein-based cuticle molting cycle;chitin-based larval cuticle pattern formation;  
intracellular protein transport;retrograde vesicle-mediated transport, Golgi to ER;Golgi vesicle transport;regulation of  
RIN1-STAM2-HRS complex  
RANBP1-RAN-KPNB1 complex  
Protein-sorting complex (Stam2, Hgs, Eps15);Protein-sorting complex (Stam1, Hgs, Eps15)  
Hse1p/Vps27p complex  
Unknown

(B) Ft

ort  
alization  
actor activity;positive regulation of sequence-specific DNA binding transcription factor activity;regula

nurse cell to oocyte transport;actin cytoskeleton organization

f apoptotic process;positive regulation of cell death  
in kinase activity;regulation of phosphorylation  
tor signaling pathway;protein transport;regulation of cell communication  
rgan development

on

ellular component organization;cytoskeleton organization;organelle organization

ein import into nucleus;SMAD protein import into nucleus  
velopment involved in chitin-based cuticle molting cycle;larval chitin-based cuticle development  
o ER;Golgi vesicle transport;protein transport  
import;protein import into nucleus;SMAD protein import into nucleus  
on;JAK-STAT cascade  
ort

y;cellular component assembly at cellular level

based cuticle molting cycle;larval chitin-based cuticle development;cuticle pattern formation

cuticle development involved in chitin-based cuticle molting cycle;larval chitin-based cuticle develop  
on of lipid storage;cellular protein localization



(B) Ft

tion of sequence-specific DNA binding transcription factor activity

oment;cuticle pattern formation

(C) ds

<b>ComplexID</b>	<b>Compl</b>	<b>P-value</b>	<b>Size</b>	
FC3817	0.176	5.61533760475396e-147	7	7
FC4398	0.22		0	6
FC4527	0.176	5.61533760475396e-147	7	7
FC1893	0.25		0	6
FC6132	0.2		0	6

(C) ds

**Members\_GeneID**

FBgn0011305;FBgn0025637;FBgn0004242;FBgn0023423;FBgn0015509;FBgn0017551;FBgn0026176  
FBgn0025637;FBgn0037134;FBgn0031043;FBgn0023423;FBgn0026175;FBgn0001224  
FBgn0000117;FBgn0025637;FBgn0023423;FBgn0026175;FBgn0026597;FBgn0003371;FBgn0035087  
FBgn0040064;FBgn0033879;FBgn0028479;FBgn0033883;FBgn0025352;FBgn0033949  
FBgn0030993;FBgn0033782;FBgn0037894;FBgn0035969;FBgn0013675;FBgn0250814

(C) ds

**Members\_GeneSymbol**

Rsf1;skpA;Syt1;slmb;lin19;Rca1;skpB  
skpA;CG7407;CG14222;slmb;skpC;Hsp23  
arm;skpA;slmb;skpC;Axn;sgg;CG2765  
yip2;CG6543;CG4389;CG16935;Thiolase;CG10131  
Mec2;sug;Ranbp9;CG4476;mt:Coll;CG4169

**Members\_SAIN\_T\_Score**

NA;0.88;NA;1.00;NA;NA;NA  
0.88;NA;NA;1.00;NA;NA  
NA;0.88;1.00;NA;NA;NA;NA  
NA;NA;1.00;NA;1.00;NA  
0.00;NA;0.80;NA;NA;0.97

(C) ds

**Name**

cellular protein catabolic process;interphase of mitotic cell cycle;proteolysis involved in cellular protein catabolic  
regulation of centrosome duplication;regulation of centrosome cycle;modification-dependent protein catabolic pr  
imaginal disc-derived wing morphogenesis;negative regulation of signal transduction;somatic stem cell mainten  
Fatty acid biosynthesis, elongation, mitochondria  
cellular respiration;oxidative phosphorylation;mitochondrial ATP synthesis coupled electron transport;ATP synthe

(C) ds

process;modification-dependent protein catabolic process;ubiquitin-dependent protein catabolic process;regulation of microtubule cytoskeleton organization;ubiquitin-dependent protein catabolic process;negative regulation of Wnt receptor signaling pathway;ovarian follicle cell development

oxidative phosphorylation coupled electron transport;respiratory electron transport chain

(C) ds

rocess  
cess

(D) Fj

<b>ComplexID</b>	<b>Complex Score</b>	<b>P-value</b>
FC4403	0.17	0
FC5418	0.1933333333	0
FC4969	0.19	0



(D) Fj

**Members\_GeneID**

FBgn0052451;FBgn0260010;FBgn0002031;FBgn0003889;FBgn0038252;FBgn0003885;FBgn0010551  
FBgn0039562;FBgn0037718;FBgn0030170;FBgn0032906;FBgn0010173  
FBgn0053886;FBgn0037354;FBgn0002031;FBgn0033250;FBgn0010551

(D) Fj

**Members\_GeneSymbol**

SPoCk;rump;l(2)37Cc;betaTub85D;CG3509;alphaTub84D;l(2)03709  
Gp93;P58IPK;CG2990;RPA2;RpA-70  
His2B;CG33886;CG12171;l(2)37Cc;CG14762;l(2)03709

**Members\_SAIN\_T\_Score**

NA;0.28;0.57;NA;NA;NA;0.61  
0.17;NA;NA;0.41;0.51  
NA;NA;0.57;NA;0.61

(D) Fj

**Name**

purine ribonucleotide catabolic process;ribonucleoside triphosphate catabolic process;purine ribonucleoside triph  
cellular metabolic process;cellular macromolecule metabolic process;macromolecule metabolic process;DNA re  
Unknown

(D) Fj

inosphate catabolic process;GTP metabolic process;GTP catabolic process  
plication;DNA metabolic process

(E) D

ComplexID	Size	Complex Score	P-value	Size
FC6116	5	0.256666667	1.21554769143873e-298	7
FC2526	5	0.416666667		5
FC4500	7	0.34		5
FC1385	7	0.214		0
FC809	7	0.166		0
FC2633	7	0.288		0
FC6279	6	0.315	4.34657431415275e-232	
FC904	5	0.18	3.80716364027382e-146	
FC5418	5	0.256666667	1.21554769143873e-298	
FC1290	4	0.625		0
FC1412	4	0.385		0
FC1155	4	0.16	4.14985659896385e-95	
FC3130	4	0.205	7.04655367841301e-157	

(E) D

**Members\_GeneID**

FBgn0087035;FBgn0028734;FBgn0261931;FBgn0038609;FBgn0039016  
FBgn0030322;FBgn0027375;FBgn0002906;FBgn0032906;FBgn0010173  
FBgn0087035;FBgn0031951;FBgn0032515;FBgn0034246;FBgn0028734;FBgn0003261;FBgn0039016  
FBgn0035720;FBgn0040045;FBgn0003449;FBgn0003261;FBgn0029979;FBgn0004227;FBgn0015520  
FBgn0030170;FBgn0037531;FBgn0036248;FBgn0002542;FBgn0010438;FBgn0032906;FBgn0010173  
FBgn0035121;FBgn0087035;FBgn0031951;FBgn0034246;FBgn0028734;FBgn0039016;FBgn0024183  
FBgn0037834;FBgn0005648;FBgn0004903;FBgn0052685;FBgn0261380;FBgn0029979  
FBgn0051992;FBgn0004903;FBgn0052685;FBgn0029979;FBgn0261710  
FBgn0039562;FBgn0037718;FBgn0030170;FBgn0032906;FBgn0010173  
FBgn0030322;FBgn0031484;FBgn0032906;FBgn0010173  
FBgn0041627;FBgn0032906;FBgn0010173;FBgn0011774  
FBgn0031296;FBgn0000181;FBgn0031264;FBgn0086904  
FBgn0015331;FBgn0039025;FBgn0014163;FBgn0029687

(E) D

<b>Members_GeneSymbol</b>	<b>Members_SAIN_T_Score</b>
AGO2;Fmr1;CG42797;Nup43;Dcr-1	0.77;0.93;NA;NA;NA
CG15220;RecQ5;mus309;RPA2;RpA-70	0.48;NA;NA;0.77;0.91
AGO2;r2d2;loqs;Dcr-2;Fmr1;Rm62;Dcr-1	0.77;NA;NA;NA;0.93;0.97;NA
CG10077;CR12460;snf;Rm62;CG10777;nonA;nonA-l	NA;NA;0.18;0.97;0.72;0.17;NA
CG2990;CG10445;ssp;lds;mtSSB;RPA2;RpA-70	NA;NA;NA;NA;0.06;0.77;0.91
Tudor-SN;AGO2;r2d2;Dcr-2;Fmr1;Dcr-1;vig	NA;0.77;NA;NA;0.93;NA;0.67
Art1;Pabp2;Rb97D;ZAP3;mRpL37;CG10777	NA;0.88;NA;0.54;NA;0.72
gw;Rb97D;ZAP3;CG10777;nocte	NA;NA;0.54;0.72;0.00
Gp93;P58IPK;CG2990;RPA2;RpA-70	0.00;NA;NA;0.77;0.91
CG15220;CG3165;RPA2;RpA-70	0.48;NA;0.77;0.91
Ku80;RPA2;RpA-70;lrpb	NA;0.77;0.91;NA
CG4415;bic;CG11835;Nacalpa	NA;0.42;NA;0.32
abs;CG7023;fax;Vap-33-1	NA;NA;0.41;0.91

(E) D

**Name**

RNA interference;small RNA loading onto RISC;production of small RNA involved in gene silencing by RNA;pro  
RPA-MSH4-BLM complex

RNA interference;small RNA loading onto RISC;posttranscriptional gene silencing by RNA;production of siRNA i  
snRNP-free U1A (SF-A) complex

cellular macromolecule biosynthetic process;nucleic acid metabolic process;nucleobase-containing compound m  
RNA-induced silencing complex

Unknown

Unknown

cellular metabolic process;cellular macromolecule metabolic process;macromolecule metabolic process;DNA re  
nucleic acid metabolic process;DNA replication;DNA metabolic process;DNA-dependent DNA replication

53BP1-containing complex

nascent polypeptide-associated complex

cell death;apoptotic process;programmed cell death;death



(E) D

duction of siRNA involved in RNA interference;siRNA loading onto RISC involved in RNA interferen

involved in RNA interference;siRNA loading onto RISC involved in RNA interference

metabolic process;DNA replication;DNA metabolic process

plication;DNA metabolic process

(E) D

ice

(F) Mer

<b>ComplexID</b>	<b>Complex Score</b>	<b>P-value</b>	<b>Size</b>
FC4275	0.265	0	10
FC6162	0.248	0	7
FC4940	0.306	0	7
FC3863	0.252	0	7
FC3293	0.1675	3.13326061483142e-248	6
FC3246	0.18	6.50376313421744e-287	6
FC3547	0.3825	0	6
FC4845	0.3825	0	6
FC6307	0.3825	0	6
FC1410	0.1975	0	6
FC5980	0.4425	0	6
FC1808	0.23	0	6
FC4285	0.225	0	6
FC5181	0.223333333	0	5
FC5993	0.173333333	2.27454556524246e-272	5
FC4015	0.183333333	6.68333082089501e-305	5
FC5548	0.183333333	6.68333082089501e-305	5
FC3395	0.465	0	4

(F) Mer

**Members\_GeneID**

FBgn0003139;FBgn0030086;FBgn0003676;FBgn0037632;FBgn0010621;FBgn0023423;FBgn0051852;FBgn0003139;FBgn0016700;FBgn0014009;FBgn0014010;FBgn0051523;FBgn0051522;FBgn0010348  
FBgn0000319;FBgn0036579;FBgn0024814;FBgn0016693;FBgn0032456;FBgn0036309;FBgn0033453  
FBgn0029118;FBgn0032444;FBgn0020369;FBgn0027329;FBgn0033342;FBgn0028687;FBgn0032393  
FBgn0039562;FBgn0004907;FBgn0020622;FBgn0013984;FBgn0024248;FBgn0250814  
FBgn0016700;FBgn0003716;FBgn0015797;FBgn0010348;FBgn0011016;FBgn0022268  
FBgn0000319;FBgn0024814;FBgn0016693;FBgn0014010;FBgn0038519;FBgn0036309  
FBgn0000319;FBgn0024814;FBgn0035136;FBgn0016693;FBgn0261797;FBgn0036309  
FBgn0000319;FBgn0024814;FBgn0016693;FBgn0035918;FBgn0036309;FBgn0031849  
FBgn0000319;FBgn0024814;FBgn0012036;FBgn0039642;FBgn0261243;FBgn0035147  
FBgn0000319;FBgn0024814;FBgn0016693;FBgn0035147;FBgn0036309;FBgn0032393  
FBgn0000317;FBgn0011225;FBgn0002938;FBgn0004687;FBgn0005634;FBgn0003514  
FBgn0000319;FBgn0014009;FBgn0014010;FBgn0015790;FBgn0010348;FBgn0036309  
FBgn0087035;FBgn0031951;FBgn0034246;FBgn0037328;FBgn0003279  
FBgn0039562;FBgn0034277;FBgn0014868;FBgn0014189;FBgn0010348  
FBgn0000319;FBgn0024814;FBgn0027494;FBgn0036309;FBgn0035440  
FBgn0000319;FBgn0014143;FBgn0024814;FBgn0027835;FBgn0036309  
FBgn0000319;FBgn0086656;FBgn0004587;FBgn0022238

(F) Mer

**Members\_GeneSymbol**

PpV;CG7033;T-cp1;Tcp-1eta;Cct5;slmb;Tap42;twc;CG8258;Tcp-1zeta  
Chc;Rab1;Rab2;Rab5;CG31523;CG31522;Arf79F  
Chc;CG5027;Clc;Past1;MRP;Hip1;CG1667  
Such;CG5525;Pros45;Tcp-1zeta;CG8258;Rpt1;CG12264  
Gp93;14-3-3zeta;Pi3K21B;InR;chico;CG4169  
Rab1;tkv;Rab6;Arf79F;SsRbeta;KdelR  
Chc;Clc;Past1;Rab5;Prx3;Hip1  
Chc;Clc;CG6905;Past1;Dhc64C;Hip1  
Chc;Clc;Past1;Cdc6;Hip1;CG11327  
Chc;Clc;Aldh;CG11882;Psa;Gale  
Chc;Clc;Past1;Gale;Hip1;CG12264  
ck;jar;ninaC;Mlc-c;zip;sqh  
Chc;Rab2;Rab5;Rab11;Arf79F;Hip1  
AGO2;r2d2;Dcr-2;RpL35A;RpL4  
Gp93;CG6370;Ost48;Hel25E;Arf79F  
Chc;Clc;RpS10a;Hip1;CG14969  
Chc;croc;Clc;Dp1;Hip1  
Chc;shrb;B52;lolal

(F) Mer

**Members\_SAIN\_T\_Score**

NA;1.00;0.00;0.64;0.38;NA;NA;NA;0.57;0.88  
1.00;0.72;0.00;0.00;NA;NA;0.52  
1.00;NA;0.55;0.98;NA;NA;NA  
0.00;0.69;0.00;0.88;0.57;0.00;NA  
0.67;0.69;NA;NA;NA;0.00  
0.72;NA;NA;0.52;0.20;NA  
1.00;0.55;0.98;0.00;NA;NA  
1.00;0.55;NA;0.98;NA;NA  
1.00;0.55;0.98;NA;NA;NA  
1.00;0.55;NA;NA;NA;0.24  
1.00;0.55;0.98;0.24;NA;NA  
0.92;0.99;NA;0.00;0.00;0.00  
1.00;0.00;0.00;0.38;0.52;NA  
0.67;NA;NA;NA;0.93  
0.67;NA;NA;0.00;0.52  
1.00;0.55;0.00;NA;NA  
1.00;NA;0.55;NA;NA  
1.00;0.93;NA;NA

(F) Mer

**Name**

mitotic spindle organization;neurogenesis;spindle organization;cytoskeleton organization;microtubule cytoskeleton membrane invagination;synaptic vesicle transport;endocytosis;small GTPase mediated signal transduction;synaptic vesicle budding;synaptic vesicle endocytosis;synaptic vesicle budding from presynaptic membrane;specialized metabolic process

primary spermatocyte growth;transmembrane receptor protein tyrosine kinase signaling pathway;insulin receptor secretion by cell;Golgi vesicle transport;small GTPase mediated signal transduction;synaptic transmission;intracellular vesicle organization;endocytosis;synaptic vesicle transport;synaptic vesicle endocytosis;synaptic transmission intracellular protein transport;membrane invagination;germ cell development;endocytosis;protein transport membrane organization;cellular membrane organization;membrane invagination;vesicle-mediated transport;endocytosis;synaptic vesicle budding;synaptic vesicle endocytosis;synaptic vesicle budding from presynaptic membrane;synaptic vesicle budding;synaptic vesicle endocytosis;synaptic vesicle budding from presynaptic membrane;specialized unconventional myosin complex

endocytosis;synaptic vesicle transport;protein transport;small GTPase mediated signal transduction;synaptic vesicle heterochromatin organization involved in chromatin silencing;RNA interference;chromatin silencing;siRNA loading cellular protein metabolic process;cellular macromolecule metabolic process;macromolecule metabolic process synaptic vesicle budding;synaptic vesicle endocytosis;synaptic vesicle budding from presynaptic membrane;synaptic vesicle budding;synaptic vesicle endocytosis;synaptic vesicle budding from presynaptic membrane;synaptic regulation of growth

(F) Mer

on organization  
aptic vesicle endocytosis  
orm individualization;synaptic vesicle coating

r signaling pathway;cellular response to insulin stimulus;male germ-line stem cell division  
ellular signal transduction

locytosis  
aptic vesicle coating;neurotransmitter secretion  
orm individualization;synaptic vesicle coating

sicle endocytosis  
ng onto RISC involved in RNA interference;production of siRNA involved in RNA interference

aptic vesicle coating;neurotransmitter secretion  
aptic vesicle coating;neurotransmitter secretion



(G) Sav

<b>ComplexID</b>	<b>Comple</b>	<b>P-value</b>	<b>Size</b>
FC4500	0.16	0	7
FC3622	0.255	0	6
FC5511	0.1775	0	6
FC292	0.15	0	4
FC5851	0.205	0	4

(G) Sav

**Members\_GeneID**

FBgn0087035;FBgn0031951;FBgn0032515;FBgn0034246;FBgn0028734;FBgn0003261;FBgn0039016  
FBgn0032961;FBgn0014189;FBgn0010348;FBgn0031661;FBgn0033264;FBgn0024509  
FBgn0020255;FBgn0010621;FBgn0039302;FBgn0003346;FBgn0260990;FBgn0028411  
FBgn0036702;FBgn0002031;FBgn0024992;FBgn0010551  
FBgn0021795;FBgn0050338;FBgn0039635;FBgn0032393

(G) Sav

<b>Members_GeneSymbol</b>	<b>Members_SAIN_T_Score</b>
AGO2;r2d2;loqs;Dcr-2;Fmr1;Rm62;Dcr-1	0.35;NA;NA;NA;0.48;0.45;NA
CG1416;Hel25E;Arf79F;Gmd;Nup50;sec1	0.14;0.00;0.88;NA;0.88;NA
ran;Cct5;Nup358;RanGap;yata;Nxt1	0.95;0.54;0.17;NA;NA;NA
CG6512;l(2)37Cc;CG2658;l(2)03709	0.09;0.21;NA;0.60
Tapdelta;CG30338;CG11876;CG12264	0.13;NA;0.28;0.30

(G) Sav

**Name**

RNA interference;small RNA loading onto RISC;posttranscriptional gene silencing by RNA;production of siRNA i  
transmembrane receptor protein serine/threonine kinase signaling pathway;nucleocytoplasmic transport;nuclear  
intracellular protein transport;nuclear transport;nucleocytoplasmic transport;protein transport;intracellular transpc  
macromolecule catabolic process;protein catabolic process  
carboxylic acid metabolic process;cellular ketone metabolic process;organic acid metabolic process;oxoacid me

(G) Sav

involved in RNA interference;siRNA loading onto RISC involved in RNA interference  
import;protein import into nucleus;SMAD protein import into nucleus  
ort

abolic process

(H) Hpo

<b>ComplexID</b>	<b>Complex Score</b>	<b>P-value</b>	<b>Size</b>
FC6162	0.152	5.38806251542414e-245	7
FC4811	0.41		0 6
FC3389	0.165	1.33410367635973e-186	6
FC4285	0.19	6.9194482227847e-248	6
FC5561	0.38		0 5
FC6690	0.31		0 5
FC5695	0.343333333		0 5

(H) Hpo

**Members\_GeneID**

FBgn0000319;FBgn0016700;FBgn0014009;FBgn0014010;FBgn0051523;FBgn0051522;FBgn0010348  
FBgn0010516;FBgn0029093;FBgn0037551;FBgn0037643;FBgn0039674;FBgn0035811  
FBgn0004907;FBgn0020622;FBgn0013984;FBgn0024248;FBgn0003517;FBgn0250814  
FBgn0000319;FBgn0014009;FBgn0014010;FBgn0015790;FBgn0010348;FBgn0036309  
FBgn0038965;FBgn0011739;FBgn0039055;FBgn0261456;FBgn0053193  
FBgn0030993;FBgn0029093;FBgn0029118;FBgn0039130;FBgn0035811  
FBgn0029093;FBgn0029118;FBgn0013770;FBgn0030670;FBgn0035811

(H) Hpo

<b>Members_GeneSymbol</b>	<b>Members_SAIN_T_Score</b>
Chc;Rab1;Rab2;Rab5;CG31523;CG31522;Arf79F	0.00;0.00;0.27;0.49;NA;NA;0.99
wal;cathD;Gie;skap;CG1907;CG12262	0.38;0.40;0.39;0.52;NA;0.47
14-3-3zeta;Pi3K21B;lnR;chico;sta;CG4169	0.00;NA;NA;NA;0.79;0.66
Chc;Rab2;Rab5;Rab11;Arf79F;Hip1	0.00;0.27;0.49;NA;0.99;NA
mats;wts;Rassf;hpo;sav	0.14;NA;1.00;NA;1.00
Mec2;cathD;Sucb;CG5854;CG12262	0.01;0.40;0.16;0.37;0.47
cathD;Sucb;Cp1;Pis;CG12262	0.40;0.16;0.69;NA;0.47



## (H) Hpo

### Name

membrane invagination;synaptic vesicle transport;endocytosis;small GTPase mediated signal transduction;syna  
Unknown  
primary spermatocyte growth;transmembrane receptor protein tyrosine kinase signaling pathway;insulin receptor  
endocytosis;synaptic vesicle transport;protein transport;small GTPase mediated signal transduction;synaptic ves  
R8 cell differentiation;R8 cell fate commitment;compound eye photoreceptor fate commitment;photoreceptor ce  
cellular catabolic process  
salivary gland morphogenesis;histolysis;salivary gland histolysis;salivary gland cell autophagic cell death;gland r

(H) Hpo

ptic vesicle endocytosis

r signaling pathway;cellular response to insulin stimulus;male germ-line stem cell division

sicle endocytosis

ll fate specification;R8 cell fate specification

morphogenesis

(I) Mats

<b>ComplexID</b>	<b>ComplexP-value</b>	<b>Size</b>	<b>Size</b>
FC4014	0.17	0	7
FC694	0.338	0	7
FC4886	0.156	0	7

(I) Mats

**Members\_GeneID**

FBgn0041191;FBgn0015797;FBgn0020240;FBgn0028970;FBgn0014010;FBgn0053087;FBgn0015795  
FBgn0263852;FBgn0014868;FBgn0034277;FBgn0031149;FBgn0032015;FBgn0011336;FBgn0053303  
FBgn0034277;FBgn0014868;FBgn0021795;FBgn0028419;FBgn0019925;FBgn0086357;FBgn0039303

(I) Mats

**Members\_GeneSymbol**

Rheb;Rab6;Mcr;betaggt-II;Rab5;LRP1;Rab7

I(2)k12914;Ost48;CG6370;CG1518;CG7830;OstStt3;CG33303

CG6370;Ost48;Tapdelta;Kr-h2;Surf4;Sec61alpha;CG11857

**Members\_SAIN\_T\_Score**

NA;0.38;NA;NA;0.62;NA;0.47

NA;0.86;0.65;NA;0.75;NA;0.29

0.65;0.86;0.13;NA;0.00;NA;NA

## (I) Mats

### **Name**

membrane invagination;endocytosis;protein transport;small GTPase mediated signal transduction;intracellular si  
Oligosaccharyltransferase complex (Stt3A variant);Oligosaccharyltransferase;Oligosaccharyltransferase comple  
peptidyl-amino acid modification;peptidyl-asparagine modification;protein N-linked glycosylation via asparagine;

## (I) Mats

signal transduction

Stt3B variant

protein localization in endoplasmic reticulum;protein N-linked glycosylation

(J) Wts

<b>ComplexID</b>	<b>Complex Score</b>	<b>P-value</b>	<b>Size</b>
FC4811	0.2925		0 6
FC3863	0.24	2.30366758810808e-185	7
FC3622	0.2175	2.0997789948253e-321	6
FC3389	0.1625	1.12014852578883e-178	6
FC3051	0.303333333		0 5
FC6690	0.52		0 5
FC5695	0.616666667		0 5
FC5851	0.305		0 4
FC5349	0.28	4.41329803076882e-35	3
FC2429	0.24	1.30572532926988e-25	3
FC1611	0.65	6.00056795270748e-192	3
FC3501	0.48	2.37030589033735e-104	3
FC2304	0.24	1.30572532926988e-25	3



(J) Wts

**Members\_GeneID**

FBgn0010516;FBgn0029093;FBgn0037551;FBgn0037643;FBgn0039674;FBgn0035811  
FBgn0029118;FBgn0032444;FBgn0020369;FBgn0027329;FBgn0033342;FBgn0028687;FBgn0032393  
FBgn0032961;FBgn0014189;FBgn0010348;FBgn0031661;FBgn0033264;FBgn0024509  
FBgn0004907;FBgn0020622;FBgn0013984;FBgn0024248;FBgn0003517;FBgn0250814  
FBgn0023537;FBgn0038326;FBgn0033879;FBgn0028479;FBgn0035811  
FBgn0030993;FBgn0029093;FBgn0029118;FBgn0039130;FBgn0035811  
FBgn0029093;FBgn0029118;FBgn0013770;FBgn0030670;FBgn0035811  
FBgn0021795;FBgn0050338;FBgn0039635;FBgn0032393  
FBgn0004237;FBgn0004401;FBgn0004227  
FBgn0030322;FBgn0032906;FBgn0010173  
FBgn0011225;FBgn0011273;FBgn0000253  
FBgn0002921;FBgn0013770;FBgn0033259  
FBgn0036248;FBgn0032906;FBgn0010173

(J) Wts

<b>Members_GeneSymbol</b>	<b>Members_SAIN_T_Score</b>
wal;cathD;Gie;skap;CG1907;CG12262	NA;0.47;0.00;0.70;NA;0.99
Sucb;CG5525;Pros45;Tcp-1zeta;CG8258;Rpt1;CG12264	0.42;0.15;NA;0.91;0.00;0.07;0.56
CG1416;Hel25E;Arf79F;Gmd;Nup50;sec13	0.58;0.79;0.00;NA;0.00;0.29
14-3-3zeta;Pi3K21B;InR;chico;sta;CG4169	0.20;NA;NA;NA;0.46;0.45
CG17896;CG5044;CG6543;CG4389;CG12262	NA;NA;NA;0.91;0.99
Mec2;cathD;Sucb;CG5854;CG12262	0.67;0.47;0.42;NA;0.99
cathD;Sucb;Cp1;Pis;CG12262	0.47;0.42;0.96;NA;0.99
Tapdelta;CG30338;CG11876;CG12264	0.10;NA;0.51;0.56
Hrb87F;Pep;nonA	0.00;0.35;0.28
CG15220;RPA2;RpA-70	0.00;0.34;0.24
jar;And;Cam	0.89;NA;0.65
Atpalpha;Cp1;CG11210	0.48;0.96;NA
ssp;RPA2;RpA-70	NA;0.34;0.24

(J) Wts

**Name**

Unknown

metabolic process

transmembrane receptor protein serine/threonine kinase signaling pathway;nucleocytoplasmic transport;nuclear primary spermatocyte growth;transmembrane receptor protein tyrosine kinase signaling pathway;insulin receptor

Malonate semialdehyde pathway, propanoyl-CoA => Acetyl-CoA

cellular catabolic process

salivary gland morphogenesis;histolysis;salivary gland histolysis;salivary gland cell autophagic cell death;gland r

carboxylic acid metabolic process;cellular ketone metabolic process;organic acid metabolic process;oxoacid me

RNA splicing, via transesterification reactions with bulged adenosine as nucleophile;RNA splicing, via transester

DNA replication factor A complex;RPA complex;RP-A

myosin VI complex

Unknown

DNA replication factor A complex

(J) Wts

import;protein import into nucleus;SMAD protein import into nucleus  
r signaling pathway;cellular response to insulin stimulus;male germ-line stem cell division

morphogenesis

tabolic process

ification reactions;nuclear mRNA splicing, via spliceosome;regulation of nuclear mRNA splicing, via

(J) Wts

spliceosome;mRNA processing

(K) Ex

<b>ComplexID</b>	<b>Complex</b>	<b>P-value</b>	<b>Size</b>
FC4500	0.16	0	7
FC1385	0.176	0	7
FC1644	0.215	0	4

(K) Ex

**Members\_GeneID**

FBgn0087035;FBgn0031951;FBgn0032515;FBgn0034246;FBgn0028734;FBgn0003261;FBgn0039016  
FBgn0035720;FBgn0040045;FBgn0003449;FBgn0003261;FBgn0029979;FBgn0004227;FBgn0015520  
FBgn0014868;FBgn0037374;FBgn0025700;FBgn0030992

(K) Ex

**Members\_GeneSymbol**

AGO2;r2d2;loqs;Dcr-2;Fmr1;Rm62;Dcr-1  
CG10077;CR12460;snf;Rm62;CG10777;nonA;nonA-I  
Ost48;jagn;CG5885;CG33253

**Members\_SAIN\_T\_Score**

0.27;NA;NA;NA;0.53;0.54;NA  
NA;NA;0.21;0.54;0.13;0.82;NA  
NA;NA;0.43;0.57



(K) Ex

**Name**

RNA interference;small RNA loading onto RISC;posttranscriptional gene silencing by RNA;production of siRNA i  
snRNP-free U1A (SF-A) complex

Unknown

(K) Ex

involved in RNA interference;siRNA loading onto RISC involved in RNA interference

(L) Yki

<b>ComplexID</b>	<b>Comple</b>	<b>P-value</b>	<b>Size</b>
FC6496	0.25	3.08427595750525e-236	6
FC5115	0.2		7
FC3346	0.2		7
FC5080	0.2		7
FC6161	0.2		7
FC6254	0.4275		6
FC2716	0.495		6
FC3531	0.25	3.08427595750525e-236	6
FC2915	0.25	3.08427595750525e-236	6
FC6390	0.25	3.08427595750525e-236	6

(L) Yki

**Members\_GeneID**

FBgn0035872;FBgn0036023;FBgn0002021;FBgn0035987;FBgn0261641;FBgn0051235  
FBgn0035872;FBgn0036023;FBgn0035987;FBgn0014366;FBgn0261641;FBgn0051235;FBgn0038464  
FBgn0034141;FBgn0035872;FBgn0036023;FBgn0035987;FBgn0261641;FBgn0015520;FBgn0051235  
FBgn0260934;FBgn0004907;FBgn0028833;FBgn0041210;FBgn0038197;FBgn0005198;FBgn0020238  
FBgn0260934;FBgn0004907;FBgn0032670;FBgn0034145;FBgn0041210;FBgn0038197;FBgn0020238  
FBgn0035872;FBgn0036023;FBgn0035213;FBgn0035987;FBgn0037182;FBgn0000556  
FBgn0035872;FBgn0259174;FBgn0035987;FBgn0003557;FBgn0003277;FBgn0020279  
FBgn0004907;FBgn0038167;FBgn0037465;FBgn0260972;FBgn0025803;FBgn0020238  
FBgn0004907;FBgn0038606;FBgn0034970;FBgn0003345;FBgn0067864;FBgn0001263  
FBgn0035872;FBgn0034644;FBgn0036023;FBgn0035213;FBgn0035987;FBgn0032053

(L) Yki

<b>Members_GeneSymbol</b>	<b>Members_SAIN_T_Score</b>
CG7185;CG18179;l(2)37Bb;CG3689;CG42724;CG31235	1.00;NA;NA;1.00;0.00;NA
CG7185;CG18179;CG3689;noi;CG42724;CG31235;CG16941	1.00;NA;1.00;NA;0.00;NA;NA
CG8311;CG7185;CG18179;CG3689;CG42724;nonA-I;CG31235	NA;1.00;NA;1.00;0.00;NA;NA
par-1;14-3-3zeta;Dak1;HDAC4;foxo;gig;14-3-3epsilon	NA;1.00;NA;NA;NA;NA;1.00
par-1;14-3-3zeta;CG5783;CG5065;HDAC4;foxo;14-3-3epsilon	NA;1.00;NA;NA;NA;NA;1.00
CG7185;CG18179;CG2199;CG3689;ArfGAP3;Ef1alpha48D	1.00;NA;NA;1.00;0.71;0.00
CG7185;Nedd4;CG3689;Su(dx);RpII215;lig	1.00;NA;1.00;NA;0.98;0.00
14-3-3zeta;lkb1;CG1105;alc;SNF4Agamma;14-3-3epsilon	1.00;NA;NA;NA;NA;1.00
14-3-3zeta;CG15803;yki;sd;Patj;inaD	1.00;NA;NA;1.00;NA;NA
CG7185;CG10082;CG18179;CG2199;CG3689;mRpL51	1.00;0.00;NA;NA;1.00;NA

(L) Yki

**Name**

nucleic acid phosphodiester bond hydrolysis;mRNA metabolic process;mRNA cleavage;mRNA processing;RNA  
nucleic acid metabolic process;mRNA metabolic process;mRNA processing;RNA metabolic process;RNA proces  
mRNA metabolic process;mRNA cleavage;mRNA processing;RNA metabolic process;RNA processing  
oocyte axis specification;oocyte development;oocyte microtubule cytoskeleton organization;oocyte construction;  
oocyte axis specification;oocyte microtubule cytoskeleton polarization;oocyte microtubule cytoskeleton organiza  
nucleic acid phosphodiester bond hydrolysis;mRNA cleavage  
CPSF6-ITCH-NUDT21-POLR2A-UBAP2L complex  
oocyte axis specification;oocyte microtubule cytoskeleton polarization;oocyte microtubule cytoskeleton organiza  
TEAD2-multiprotein complex  
nucleic acid phosphodiester bond hydrolysis;mRNA cleavage

(L) Yki

processing  
ssing

;germarium-derived oocyte fate determination  
tion;oocyte construction;germarium-derived oocyte fate determination

tion;oocyte construction;germarium-derived oocyte fate determination

Type of file: table

Label: Table S7

Filename: 2013-Kwon-Science-Hippo\_table\_S7.xlsx



category	figureID	ComplexID	Complex Score	P-value	Size	Members_GeneID	Members_GeneSymbol	Members_SAINTE_Score	Name
Hpo related	A	FC5561	1	2.89341618770299e-267	5	FBgn0038965;FBgn0011739;FBgn0039055;FBgn0261456;FBgn0053193	mats;wts;Rassf;hpo;sav	1.00;1.00;1.00;1.00;1.00	R8 cell differentiation;R8 cell fate commitment;compound eye photoreceptor fate commitment;photoreceptor cell fate specification;R8 cell fate specification
Hpo related	B	FC6121	0.7275	1.20509155311061e-112	6	FBgn0038965;FBgn0011642;FBgn0011739;FBgn0261456;FBgn0262029;FBgn000578	mats;Zyx;wts;hpo;d;ena	1.00;NA;1.00;1.00;0.00;0.91	compound eye development;organ morphogenesis;eye development;morphogenesis of an epithelium;sensory organ development
Hpo related	C	FC5947	0.666666667	5.27643257242244e-118	5	FBgn0259481;FBgn0038965;FBgn0003744;FBgn0011739;FBgn0261456	Mob2;mats;trc;wts;hpo	NA;1.00;NA;1.00;1.00	compound eye development;eye photoreceptor cell differentiation;compound eye photoreceptor cell differentiation;photoreceptor cell differentiation;compound eye morphogenesis
Hpo related	D	FC442	1	2.54150165579626e-52	3	FBgn0004907;FBgn0001222;FBgn0020238	14-3-3zeta;Hsf;14-3-3epsilon	1.00;NA;1.00	HSF1-YWHAE complex
Hpo related	E	FC4391	1	2.54150165579626e-52	3	FBgn0034970;FBgn0003345;FBgn0028999	yki;sd;nerfin-1	1.00;1.00;NA	positive regulation of transcription, DNA-dependent;regulation of RNA biosynthetic process;regulation of transcription, DNA-dependent;regulation of transcription from RNA polymerase II promoter;positive regulation of transcription from RNA polymerase II promoter
Hpo related	F	FC2915	0.5	1.31305854028783e-52	6	FBgn0004907;FBgn0038606;FBgn0034970;FBgn0003345;FBgn0067864;FBgn0001263	14-3-3zeta;CG15803;yki;sd;Patj;inaD	1.00;NA;1.00;1.00;NA;NA	TEAD2-multiprotein complex
Endocytosis & vesicle trafficking	A	FC939	1	2.54150165579626e-52	3	FBgn0043012;FBgn0010380;FBgn0263350	AP-2sigma;Bap;alpha-Adaptin	0.16;1.00;1.00	AP2 adaptor complex
Endocytosis & vesicle trafficking	B	FC1109	0.99	2.84100786050043e-51	3	FBgn0035060;FBgn0031450;FBgn0027363	Eps-15;Hrs;Stam	0.99;0.99;0.60	Protein-sorting complex (Stam2, Hgs, Eps15);Protein-sorting complex (Stam1, Hgs, Eps15)
Endocytosis & vesicle trafficking	C	FC338	0.985	2.58573973768224e-204	4	FBgn0023388;FBgn0035060;FBgn0032341;FBgn0016693	Dap160;Eps-15;Reps;Past1	1.00;0.99;NA;0.98	negative regulation of signal transduction;negative regulation of Notch signaling pathway;synaptic vesicle endocytosis;regulation of neurotransmitter levels;neurotransmitter secretion
Endocytosis & vesicle trafficking	D	FC5980	0.6725	4.52265862489505e-96	6	FBgn0000319;FBgn0024814;FBgn0016693;FBgn0035147;FBgn0036309;FBgn0032393	Chc;Clc;Past1;Gale;Hip1;CG12264	1.00;0.55;0.98;0.24;NA;0.92	synaptic vesicle budding;synaptic vesicle endocytosis;synaptic vesicle budding from presynaptic membrane;sperm individualization;synaptic vesicle coating
Endocytosis & vesicle trafficking	E	FC5746	0.636	0	9	FBgn0000319;FBgn0016700;FBgn0014009;FBgn0015795;FBgn0051523;FBgn0014010;FBgn0051522;FBgn0010348;FBgn0015795	Chc;Rab1;Rab2;Rab6;CG31523;Rab5;CG31522;Arf79F;Rab7	1.00;0.72;0.27;0.41;NA;0.84;NA;0.99;0.94	secretion by cell;membrane invagination;endocytosis;protein transport;small GTPase mediated signal transduction
Endocytosis & vesicle trafficking	D	FC1889	0.55	1.23654543945063e-15	3	FBgn0000319;FBgn0024814;FBgn0026418	Chc;Clc;Hsc70Cb	1.00;0.55;0.00	synaptic vesicle budding;synaptic vesicle endocytosis;synaptic vesicle budding from presynaptic membrane;synaptic vesicle coating;neurotransmitter secretion

Endocytosis & vesicle trafficking	G	FC5548	0.51666667	2.0124225665123e-70	5	FBgn0000319;FBgn0014143;FBgn0024814;FBgn0027835;FBgn0036309	Chc;croc;Clc;Dp1;Hip1	1.00;0.00;0.55;1.00;NA	synaptic vesicle budding;synaptic vesicle endocytosis;synaptic vesicle budding from presynaptic membrane;synaptic vesicle coating;neurotransmitter secretion
Nucleocytoplasmic transport	A	FC139	0.99	2.84100786050043e-51	3	FBgn0020255;FBgn0039302;FBgn0262743	ran;Nup358;Fs(2)Ket	0.99;1.00;NA	RANBP1-RAN-KPNB1 complex
Nucleocytoplasmic transport	B	FC3622	0.845	1.86852313890594e-152	6	FBgn0032961;FBgn0014189;FBgn0010348;FBgn0031661;FBgn0033264;FBgn0024509	CG1416;Hel25E;Arf79F;Gmd;Nup50;sec13	0.73;0.79;0.99;0.00;0.98;0.88	transmembrane receptor protein serine/threonine kinase signaling pathway;nucleocytoplasmic transport;nuclear import;protein import into nucleus;SMAD protein import into nucleus
Nucleocytoplasmic transport	C	FC5511	0.6475	5.68815984460322e-89	6	FBgn0020255;FBgn0010621;FBgn0039302;FBgn0003346;FBgn0260990;FBgn0028411	ran;Cct5;Nup358;RanGap;yata;Nxt1	0.99;0.54;1.00;0.98;0.08;NA	intracellular protein transport;nuclear transport;nucleocytoplasmic transport;protein transport;intracellular transport
Nucleocytoplasmic transport	D	FC5909	0.586	1.68632734953424e-66	7	FBgn0020255;FBgn0039302;FBgn0037364;FBgn0002638;FBgn0003346;FBgn0020497;FBgn0028411	ran;Nup358;Rab23;Bj1;RanGap;emb;Nxt1	0.99;1.00;NA;0.96;0.98;NA;NA	intracellular protein transport;nuclear transport;nucleocytoplasmic transport;protein transport;protein targeting
Nucleocytoplasmic transport	E	FC4002	0.4925	5.1864582501542e-51	6	FBgn0020255;FBgn0039302;FBgn0003321;FBgn0052484;FBgn0003346;FBgn0028411	ran;Nup358;sbr;Sk2;RanGap;Nxt1	0.99;1.00;NA;NA;0.98;NA	intracellular protein transport;nuclear transport;nucleocytoplasmic transport;protein transport;intracellular transport
Cytoskeleton organization	A	FC3472	0.972	0	9	FBgn0000319;FBgn0003557;FBgn0016693;FBgn0025865;FBgn0004638;FBgn0036448;FBgn0261456;FBgn0000578;FBgn0036309	Chc;Su(dx);Past1;Cortactin;drk;mop;hpo;ena;Hip1	1.00;NA;0.98;0.97;1.00;1.00;1.00;0.91;NA	compound eye development;regulation of cell communication;cytoskeleton organization;organ morphogenesis;eye development
Cytoskeleton organization	B	FC4759	0.735	0	10	FBgn0000319;FBgn0016693;FBgn0025865;FBgn0004638;FBgn0024814;FBgn0261714;FBgn0261456;FBgn0000046;FBgn0000578;FBgn0036309	Chc;Past1;Cortactin;drk;Clc;Cpn;hpo;Act87E;ena;Hip1	1.00;0.98;0.97;1.00;0.55;NA;1.00;NA;0.91;NA	compound eye development;cytoskeleton organization;organ morphogenesis;eye development;sensory organ development
Cytoskeleton organization	C	FC3762	0.6125	1.73157490584624e-79	6	FBgn0034691;FBgn0025865;FBgn0001961;FBgn0031799;FBgn0000578;FBgn0004638	synj;Cortactin;Sop2;Pez;ena;drk	NA;0.97;0.00;0.57;0.91;1.00	regulation of cell shape;embryonic development via the syncytial blastoderm;actin filament organization;ovarian nurse cell to oocyte transport;actin cytoskeleton organization
Cytoskeleton organization	D	FC4004	0.42666667	0	12	FBgn0000100;FBgn0024833;FBgn0039635;FBgn002695;FBgn0015019;FBgn0086443;FBgn0024556;FBgn0037709;FBgn0026409;FBgn0039580;FBgn0003189;FBgn0027329	RpLP0;AP-47;CG11876;Rpn1;Cctg;amma;Aats-asn;EftuM;CG8199;Mpcp;Gfat2;r;Tcp-1zeta	0.00;0.00;0.51;0.02;0.90;0.79;1.00;NA;0.88;0.36;0.00;0.91	microtubule-based process;mitotic cell cycle;cellular component organization or biogenesis at cellular level;microtubule cytoskeleton organization;organelle organization

Spindle organization A	FC6008	0.668	0	9	FBgn0022786;FBgn0015019;FBgn0030086;FBgn0037632;FBgn0003676;FBgn0010621;FBgn0032444;FBgn0033342;FBgn0027329	Hira;Cctgamma;CG7033;Tcp-1eta;T-cp1;Cct5;CG5525;CG8258;Tcp-1zeta	NA;0.90;1.00;0.64;0.53;0.54;0.69;0.57;0.91	mitotic spindle organization;spindle organization;microtubule cytoskeleton organization;cytoplasmic microtubule organization;M phase
Spindle organization B	FC641	0.66	1.27557366192804e-22	3	FBgn0027836;FBgn0086356;FBgn0011692	Dgp-1;tum;pav	NA;0.95;0.66	mitotic spindle organization;centrosome organization;centrosome cycle;centrosome duplication;microtubule organizing center organization
Spindle organization C	FC4647	0.58	0	15	FBgn0029975;FBgn0014009;FBgn0022246;FBgn0029118;FBgn0037551;FBgn0037643;FBgn0014189;FBgn0015019;FBgn0010516;FBgn0039562;FBgn0038145;FBgn0039580;FBgn0032961;FBgn0014010;FBgn0027329	CG1444;Rab2;Rpp30;Sucb;Gie;skap;Hel25E;Cctgamma;wal;Gp93;Droj2;Gfat2;CG1416;Rab5;Tcp-1zeta	0.45;0.27;NA;0.56;0.39;0.74;0.79;0.90;0.53;0.67;0.03;0.36;0.73;0.84;0.91	protein folding;mitotic spindle organization;spindle organization;small GTPase mediated signal transduction;M phase
Spindle organization D	FC4275	0.531666667	0	10	FBgn0003139;FBgn0030086;FBgn0003676;FBgn0037632;FBgn0010621;FBgn0023423;FBgn0051852;FBgn0004889;FBgn0033342;FBgn0027329	PpV;CG7033;T-cp1;Tcp-1eta;Cct5;slmb;Tap42;tws;CG8258;Tcp-1zeta	NA;1.00;0.53;0.64;0.54;1.00;NA;NA;0.57;0.91	mitotic spindle organization;neurogenesis;spindle organization;cytoskeleton organization;microtubule cytoskeleton organization
Spindle organization E	FC5405	0.488571429	0	11	FBgn0021874;FBgn0015019;FBgn0030086;FBgn0037632;FBgn0028687;FBgn0010621;FBgn0032444;FBgn0011745;FBgn0033342;FBgn0027329;FBgn0038617	Nle;Cctgamma;CG7033;Tcp-1eta;Rpt1;Cct5;CG5525;Arp87C;CG8258;Tcp-1zeta;CG12333	NA;0.90;1.00;0.64;0.08;0.54;0.69;NA;0.57;0.91;NA	mitotic spindle organization;spindle organization;cytoskeleton organization;microtubule cytoskeleton organization;M phase
Spindle organization F	FC68	0.456	3.76707656076704e-277	9	FBgn0036237;FBgn0030086;FBgn0037632;FBgn0003676;FBgn0010621;FBgn0032444;FBgn0003388;FBgn0037980;FBgn0033342	viaf;CG7033;Tcp-1eta;T-cp1;Cct5;CG5525;shd;CG3313;CG8258	NA;1.00;0.64;0.53;0.54;0.69;NA;NA;0.57	mitotic spindle organization;spindle organization;microtubule cytoskeleton organization;cytoplasmic microtubule organization;M phase
Spindle organization G	FC4608	0.455714286	8.16928652216876e-318	11	FBgn0013770;FBgn0030086;FBgn0003676;FBgn0037632;FBgn0010621;FBgn0036023;FBgn0037980;FBgn0004889;FBgn0051852;FBgn0033342;FBgn0027329	Cp1;CG7033;T-cp1;Tcp-1eta;Cct5;CG18179;CG3313;tws;Tap42;CG8258;Tcp-1zeta	0.96;1.00;0.53;0.64;0.54;NA;NA;NA;0.57;0.91	protein folding;mitotic spindle organization;spindle organization;microtubule cytoskeleton organization;M phase
Spindle organization H	FC6462	0.455714286	8.16928652216876e-318	11	FBgn0000319;FBgn0030086;FBgn0003676;FBgn0037632;FBgn0010621;FBgn0030499;FBgn0051852;FBgn0004889;FBgn0033342;FBgn0038617;FBgn0027329	Chc;CG7033;T-cp1;Tcp-1eta;Cct5;CG11178;Tap42;tws;CG8258;CG12333;Tcp-1zeta	1.00;1.00;0.53;0.64;0.54;NA;NA;NA;0.57;NA;0.91	mitotic spindle organization;spindle organization;microtubule cytoskeleton organization;cytoplasmic microtubule organization;M phase

Spindle organization I	FC5842	0.43	0		15	FBgn0036500;FBgn0036237;FBgn0015019;FBgn0030086;FBgn0011571;FBgn0034931;FBgn0003676;FBgn0037632;FBgn0010621;FBgn0032444;FBgn0025825;FBgn0039417;FBgn0033342;FBgn0027329;FBgn0000382	CG7275;viaf;Cctgamma;CG7033;caz;CG2812;T-cp1;T-cp-1eta;Cct5;CG5525;Hdac3;CG6073;CG8258;T-cp-1zeta;csw	NA;NA;0.90;1.00;0.91;NA;0.53;0.64;0.54;0.69;NA;NA;0.57;0.91;NA	protein folding;mitotic spindle organization;spindle organization;cytoskeleton organization;microtubule cytoskeleton organization
Spindle organization J	FC6555	0.43	0		15	FBgn0002528;FBgn0036500;FBgn0036237;FBgn0015019;FBgn0030086;FBgn0034931;FBgn0003676;FBgn0037632;FBgn0010621;FBgn0000579;FBgn0032444;FBgn0025825;FBgn0034937;FBgn0033342;FBgn0027329	LanB2;CG7275;viaf;Cctgamma;CG7033;CG2812;T-cp1;T-cp-1eta;Cct5;Eno;CG5525;Hdac3;fzr2;CG8258;T-cp-1zeta	0.00;NA;NA;0.90;1.00;NA;0.53;0.64;0.54;0.94;0.69;NA;NA;0.57;0.91	mitotic spindle organization;spindle organization;microtubule cytoskeleton organization;cytoplasmic microtubule organization;M phase
Spindle organization K	FC3297	0.416666667	0		10	FBgn0260439;FBgn0015622;FBgn0037632;FBgn0005674;FBgn0026409;FBgn0034277;FBgn0031497;FBgn0032456;FBgn0033342;FBgn0027329	Pp2A-29B;Cnx99A;T-cp-1eta;Aats-glupro;Mpcp;CG6370;CG17259;MRP;CG8258;T-cp-1zeta	0.00;NA;0.64;0.38;0.88;0.65;0.26;0.00;0.57;0.91	mitotic spindle organization;spindle organization;cytoskeleton organization;microtubule cytoskeleton organization;M phase
Metabolism	A	FC5993	0.773333333	3.09402968839866e-159	5	FBgn0039562;FBgn0034277;FBgn0014868;FBgn0014189;FBgn0010348	Gp93;CG6370;Ost48;Hel25E;Arf79F	0.67;0.65;0.86;0.79;0.99	cellular protein metabolic process;cellular macromolecule metabolic process;macromolecule metabolic process
Metabolism	B	FC5224	0.6425	0	8	FBgn0011826;FBgn0015019;FBgn0030086;FBgn0020369;FBgn0086443;FBgn0028687;FBgn0032961;FBgn0027329	Pp2B-14D;Cctgamma;CG7033;Pros45;Aats-asn;Rpt1;CG1416;T-cp-1zeta	NA;0.90;1.00;0.15;0.79;0.08;0.73;0.91	cell cycle phase;cellular protein metabolic process;cellular macromolecule metabolic process;protein metabolic process;M phase
Metabolism	C	FC3863	0.576	3.31525017782629e-64	7	FBgn0029118;FBgn0032444;FBgn0020369;FBgn0027329;FBgn0033342;FBgn0028687;FBgn0032393	Sucb;CG5525;Pros45;T-cp-1zeta;CG8258;Rpt1;CG12264	0.56;0.69;0.15;0.91;0.57;0.08;0.92	metabolic process
Metabolism	D	FC1366	0.54	0	10	FBgn0001258;FBgn0003178;FBgn0086443;FBgn000517;FBgn0038145;FBgn0032961;FBgn0013675;FBgn0004636;FBgn0250814;FBgn0027329	ImpL3;PyK;Aats-asn;sta;Droj2;CG1416;mt;Coll;R;CG4169;T-cp-1zeta	0.79;0.00;0.79;0.90;0.03;0.73;0.00;0.00;0.99;0.91	cellular metabolic process;metabolic process
Metabolism	E	FC5204	0.498888889	0	15	FBgn0022246;FBgn0029118;FBgn0037643;FBgn0014189;FBgn0015019;FBgn0031758;FBgn0086443;FBgn0028687;FBgn0010516;FBgn0039562;FBgn0039580;FBgn0038145;FBgn0032961;FBgn0039674;FBgn0027329	Rpp30;Sucb;skap;Hel25E;Cctgamma;Ucp4B;Aats-asn;Rpt1;wal;Gp93;Gfat2;Droj2;CG1416;CG1907;T-cp-1zeta	NA;0.56;0.74;0.79;0.90;NA;0.79;0.08;0.53;0.67;0.36;0.03;0.73;NA;0.91	metabolic process
Metabolism	F	FC4013	0.49	2.30479915346286e-12	3	FBgn0038804;FBgn0020235;FBgn0033761	CG10877;ATPsyn-gamma;CG8778	NA;0.78;0.49	metabolic process

Metabolism	G	FC5418	0.48	1.21809367219647e-60	5	FBgn0039562;FBgn0037718;FBgn0030170;FBgn0032906;FBgn0010173	Gp93;P58IPK;CG2990;RPA2;RpA-70	0.67;NA;NA;0.77;0.91	cellular metabolic process;cellular macromolecule metabolic process;macromolecule metabolic process;DNA replication;DNA metabolic process
Metabolism	H	FC5907	0.461111111	0	15	FBgn0029118;FBgn0015278;FBgn0037643;FBgn0015622;FBgn0053303;FBgn0024556;FBgn0010516;FBgn0039562;FBgn0005674;FBgn0039580;FBgn0026409;FBgn0034277;FBgn0003189;FBgn0027291;FBgn0031497;FBgn0029975;FBgn0014868;FBgn0022246;FBgn0029118;FBgn0028419;FBgn0021761;FBgn0037643;FBgn0053303;FBgn0039562;FBgn0025592;FBgn0038145;FBgn0010516;FBgn0026409;FBgn0039580;FBgn0034277	Sucb;Pi3K68D;skap;Cnx99A;CG33303;EFTuM;wal;Gp93;Aats-glupro;Gfat2;Mpcp;CG6370;r;(1)G0156;CG17259	0.56;0.00;0.74;NA;0.77;1.00;0.53;0.67;0.38;0.36;0.88;0.65;0.00;NA;0.26	cellular biosynthetic process;cellular metabolic process;biosynthetic process;metabolic process
Metabolism	I	FC6412	0.443333333	0	15	FBgn0028419;FBgn0021761;FBgn0037643;FBgn0053303;FBgn0039562;FBgn0025592;FBgn0038145;FBgn0010516;FBgn0026409;FBgn0039580;FBgn0034277	CG1444;Ost48;Rpp30;Sucb;Krh2;Nup154;skap;CG33303;Gp93;Gyk;Droj2;wal;Mpcp;Gfat2;CG6370	0.45;0.86;NA;0.56;NA;NA;0.74;0.77;0.67;NA;0.03;0.53;0.88;0.36;0.65	metabolic process
DNA processing	A	FC2304	0.77	6.87196739596841e-31	3	FBgn0036248;FBgn0032906;FBgn0010173	ssp;RPA2;RpA-70	NA;0.77;0.91	DNA replication factor A complex
DNA processing	B	FC2429	0.77	6.87196739596841e-31	3	FBgn0030322;FBgn0032906;FBgn0010173	CG15220;RPA2;RpA-70	0.48;0.77;0.91	DNA replication factor A complex;RPA complex;RP-A
DNA processing	C	FC1187	0.41	1.34840166732008e-08	3	FBgn0036415;FBgn0004432;FBgn0031392	CG7768;Cyp1;AIF	NA;0.64;0.41	AIF-CYPA-DNA complex
RNA processing	A	FC5349	0.6	1.1897800574984e-18	3	FBgn0004237;FBgn0004401;FBgn0004227	Hrb87F;Pep;nonA	0.02;0.60;0.82	RNA splicing, via transesterification reactions with bulged adenosine as nucleophile;RNA splicing, via transesterification reactions;nuclear mRNA splicing, via spliceosome;regulation of nuclear mRNA splicing, via spliceosome;mRNA processing
RNA processing	B	FC6254	0.4275	3.37913931142882e-38	6	FBgn0035872;FBgn0036023;FBgn0035213;FBgn0035987;FBgn0037182;FBgn0005556	CG7185;CG18179;CG2199;CG3689;ArfGAP3;Ef1alpha48D	1.00;NA;NA;1.00;0.71;0.00	nucleic acid phosphodiester bond hydrolysis;mRNA cleavage
RNA processing	C	FC4512	0.4	2.16315868783119e-30	7	FBgn0035872;FBgn0036023;FBgn0035213;FBgn0035987;FBgn00261641;FBgn0030734;FBgn0051235	CG7185;CG18179;CG2199;CG3689;CG42724;CG9911;CG31235	1.00;NA;NA;1.00;0.00;1.00;NA	nucleic acid phosphodiester bond hydrolysis;mRNA metabolic process;mRNA cleavage;mRNA processing;RNA processing
CCT complex		FC376	0.7	0	8	FBgn0015019;FBgn0030086;FBgn0037632;FBgn0003676;FBgn0010621;FBgn0032444;FBgn0027329;FBgn0033342	Cctgamma;CG7033;Tc p-1eta;T-cp1;Cct5;CG5525;Tc p-1zeta;CG8258	0.90;1.00;0.64;0.53;0.54;0.69;0.91;0.57	CCT complex (chaperonin containing TCP1 complex);CCT complex (chaperonin containing TCP1 complex), testis specific;chaperonin-containing T-complex;CCT micro-complex

Proteolysis	FC4178	0.452	2.80295259499886e-272	9	FBgn0033607;FBgn0015019;FBgn0030086;FBgn0020369;FBgn0028684;FBgn0028687;FBgn0032961;FBgn0028685;FBgn0027329	CG9062;Cctgamma;CG7033;Pros45;Tbp-1;Rpt1;CG1416;Rpt4;Tc p-1zeta	NA;0.90;1.00;0.15;0.00;0.08;0.73;0.40;0.91	proteolysis;macromolecule catabolic process;protein metabolic process;catabolic process;protein catabolic process
Cell shape	FC3331	0.5775	1.54874936104184e-70	6	FBgn0083969;FBgn0010348;FBgn0015790;FBgn0262125;FBgn0033339;FBgn0024509	CG34133;Arf79F;Rab11;sec23;sec31;sec13	0.06;0.99;0.38;0.00;1.00;0.88	regulation of cell morphogenesis;regulation of cell shape;chitin-based larval cuticle pattern formation;cuticle development involved in chitin-based cuticle molting cycle;larval chitin-based cuticle development

Type of file: table

Label: Table S9

Filename: 2013-Kwon-Science-Hippo\_table\_S9.xls

ComplexID	Complex Score	P-value	Size	Members_GeneID	Members_GeneSymbol	Members_SCValue	Name
FC1122	91	0	3	FBgn0005632;FBgn0259174;FBgn0003557	faf;Nedd4;Su(dx)	28;175;91	ITCH-FAM/USP9x complex
FC2086	78	0	4	FBgn0029006;FBgn0259174;FBgn0003557;FBgn0035402	lack;Nedd4;Su(dx);CG12082	65;175;91;NA	negative regulation of Notch signaling pathway;receptor-mediated endocytosis;receptor internalization;ubiquitin-dependent protein catabolic process;protein ubiquitination
FC1198	45	0	5	FBgn0035872;FBgn0259174;FBgn0035987;FBgn0003557;FBgn0003277	CG7185;Nedd4;CG3689;Su(dx);Rpl1215	25;175;19;91;NA	CPSF6-ITCH-NUDT21-POLR2A complex
FC939	30	0	3	FBgn0043012;FBgn0010380;FBgn0263350	AP-2sigma;Bap;alpha-Adaptin	5;30;37	AP2 adaptor complex
FC5365	23.5	0	6	FBgn0259174;FBgn0003557;FBgn0037607;FBgn0027356;FBgn0014002;FBgn0052177	Nedd4;Su(dx);CG8036;Amph;Pdi;Ndfip	175;91;3;NA;NA;NA	cellular membrane organization;membrane invagination;vesicle-mediated transport;endocytosis;regulation of Notch signaling pathway
FC324	16	2.68818693340787e-252	6	FBgn0015834;FBgn0034237;FBgn0034258;FBgn0038796;FBgn0029629;FBgn0037249	Trip1;eIF3-S9;eIF3-S8;CG10881;CG8636;eIF3-S10	22;15;63;NA;6;21	EIF3 complex (EIF3A, EIF3B, EIF3G, EIF3I, EIF3C)
FC2253	12	1.34581222785792e-73	3	FBgn0028685;FBgn0020369;FBgn0028687	Rpt4;Pros45;Rpt1	3;12;41	cellular response to stress;proteolysis;macromolecule catabolic process;response to DNA damage stimulus;protein catabolic process
FC1671	12	1.34581222785792e-73	3	FBgn0263740;FBgn0261609;FBgn0004926	eIF-2gamma;eIF-2alpha;eIF-2beta	12;27;1	eIF2
FC630	12	1.34581222785792e-73	3	FBgn0263740;FBgn0036615;FBgn0029176	eIF-2gamma;CG4933;Ef1gamma	12;1;16	Unknown
FC5224	11.75	0	8	FBgn0011826;FBgn0015019;FBgn0030086;FBgn0020369;FBgn0086443;FBgn0028687;FBgn0032961;FBgn0027329	Pp2B-14D;Cctgamma;CG7033;Pros45;Aats-asn;Rpt1;CG1416;Tcp-1zeta	NA;3;11;12;18;41;6;24	cell cycle phase;cellular protein metabolic process;cellular macromolecule metabolic process;protein metabolic process;M phase
FC6118	11.28571429	0	11	FBgn0034237;FBgn0034258;FBgn0029629;FBgn0035423;FBgn0037249;FBgn0015834;FBgn0022023;FBgn00261609;FBgn0086706;FBgn0038467;FBgn0027619	eIF3-S9;eIF3-S8;CG8636;CG17737;eIF3-S10;Trip1;eIF-3p40;eIF-2alpha;pix;CG3590;Adam	15;63;6;8;21;22;7;27;NA;NA;NA	cellular macromolecule biosynthetic process;cellular protein metabolic process;translational initiation;translation;macromolecule biosynthetic process
FC3323	11.25	1.51057636517309e-124	6	FBgn0001218;FBgn0003943;FBgn0261931;FBgn0086558;FBgn0028360;FBgn0052581	Hsc70-3;Ubi-p63E;CG42797;Ubi-p5E;I(1)G0148;CG32581	85;NA;45;NA;NA;NA	protein modification process;macromolecule modification



FC1635	10.42857143	0	11	FBgn0034237;FBgn0034654;FBgn0034258;FBgn0025582;FBgn0037270;FBgn0040227;FBgn0029629;FBgn0037249;FBgn0022023;FBgn0033902;FBgn0036258	eIF3-S9;CG10306;eIF3-S8;Int6;CG9769;eIF3p66;CG8636;eIF3-S10;eIF3p40;Tango7;CG5642	15;12;63;4;3;33;6;21	cellular biosynthetic process;cellular macromolecule biosynthetic process;cellular protein metabolic process;translational initiation;translation
FC3295	10	2.22130226714377e-98	6	FBgn0017545;FBgn0032634;FBgn0026373;FBgn0261931;FBgn0261596;FBgn0014026	RpS3A;Rpb11;Rpl33;CG42797;RpS24;Rpl7A	31;NA;NA;45;4;5	cellular biosynthetic process;cellular macromolecule biosynthetic process;cellular macromolecule metabolic process;gene expression;macromolecule biosynthetic process
FC4004	9.666666667	0	12	FBgn0000100;FBgn0024833;FBgn0039635;FBgn0028695;FBgn0015019;FBgn0086443;FBgn0024556;FBgn0037709;FBgn0026409;FBgn0039580;FBgn0003189;FBgn0027329	RpLP0;AP-47;CG11876;Rpn1;Cctgama;Aats-asn;EftuM;CG8199;Mpcp;Gfat2;r;Tcp-1zeta	16;1;1;20;3;18;4;NA;6;13;16;24	microtubule-based process;mitotic cell cycle;cellular component organization or biogenesis at cellular level;microtubule cytoskeleton organization;organelle organization
FC4725	9.5	8.79680907665156e-89	6	FBgn0034438;FBgn0003079;FBgn0015402;FBgn0003178;FBgn0010269;FBgn0003676	CG9416;phl;ksr;PyK;Dsor1;T-cp1	NA;1;NA;44;NA;37	terminal region determination;epidermal growth factor receptor signaling pathway;torso signaling pathway;zygotic determination of anterior/posterior axis, embryo;anterior/posterior axis specification, embryo
FC5844	9.5	1.52610494812797e-20	4	FBgn0038145;FBgn0085346;FBgn0031310;FBgn0034708	Droj2;CG34317;CG4764;Vps35	38;NA;19;NA	Unknown
FC6056	8.666666667	0	15	FBgn0261602;FBgn0034258;FBgn0028697;FBgn0038090;FBgn0033699;FBgn0010265;FBgn0039713;FBgn0036825;FBgn0013325;FBgn0039857;FBgn0037351;FBgn0031851;FBgn0005533;FBgn0033555;FBgn0011272	RpL8;eIF3-S8;RpL15;CG10909;RpS11;RpS13;RpS8;RpL26;RpL11;RpL6;RpL13A;CG11188;RpS17;RpS15Ab;RpL13	6;63;8;NA;12;17;9;5;18;3;6;NA;18;NA;12	mitotic spindle organization;spindle elongation;spindle organization;microtubule cytoskeleton organization;mitotic spindle elongation
FC600	8.666666667	1.28797254138602e-17	5	FBgn0010380;FBgn0263351;FBgn0024833;FBgn0030089;FBgn0039132	Bap;AP-50;AP-47;AP-1gamma;AP-1sigma	30;25;1;NA;NA	AP-1 adaptor complex
FC5548	8.333333333	2.34233952348848e-16	5	FBgn0000319;FBgn0014143;FBgn0024814;FBgn0027835;FBgn0036309	Chc;croc;Clc;Dp1;Hip1	24;NA;3;22;NA	synaptic vesicle budding;synaptic vesicle endocytosis;synaptic vesicle budding from presynaptic membrane;synaptic vesicle coating;neurotransmitter secretion

FC859	8	0	15	FBgn0034237;FBgn0034654;FBgn0037994;FBgn0034258;FBgn0025582;FBgn0037270;FBgn0040227;FBgn0029629;FBgn0037249;FBgn0015834;FBgn0033069;FBgn0022023;FBgn0038796;FBgn0036258;FBgn0027619	elF3-S9;CG10306;CG4810;elF3-S8;Int6;CG9769;elF3-3p66;CG8636;elF3-S10;Trip1;CG8335;elF3-3p40;CG10881;CG5642;Adam	15;12;NA;63;4;3;33;6;21;22;NA;7;NA;4;NA	elF3 complex (EIF3S6, EIF3S5, EIF3S4, EIF3S3, EIF3S6IP, EIF3S2, EIF3S9, EIF3S12, EIF3S10, EIF3S8, EIF3S1, EIF3S7)
FC4949	8	4.25662418227254e-83	7	FBgn0017545;FBgn0030693;FBgn0260010;FBgn0010409;FBgn0002622;FBgn0038252;FBgn0052581	RpS3A;CG8974;rump;RpL18A;RpS3;CG3509;CG32581	31;NA;NA;9;39;NA;NA	cellular component organization at cellular level;mitotic cell cycle;cell cycle phase;organelle organization;M phase
FC5175	7.875	0	14	FBgn0034237;FBgn0037994;FBgn0034654;FBgn0037270;FBgn0029629;FBgn0035423;FBgn0015834;FBgn0033902;FBgn0022023;FBgn0027087;FBgn0064225;FBgn0036258;FBgn0027619;FBgn0001942	elF3-S9;CG4810;CG10306;CG9769;CG8636;CG17737;Trip1;Tango7;elF3-3p40;Aats-his;RpL5;CG5642;Adam;elF-4a	15;NA;12;3;6;8;22;8;7;NA;18;4;NA;23	cellular biosynthetic process;cellular macromolecule biosynthetic process;cellular protein metabolic process;translational initiation;translation
FC3288	7.75	4.21335704586891e-59	6	FBgn0023213;FBgn0035827;FBgn0031011;FBgn0035823;FBgn0001942;FBgn0010488	elF4G;Srp9;CG8034;elF4E-5;elF-4a;NAT1	34;NA;NA;NA;23;8	translational initiation;spindle elongation;salivary gland histolysis;salivary gland cell autophagic cell death;mitotic spindle elongation
FC2084	7.714285714	0	11	FBgn0028686;FBgn0028695;FBgn0028692;FBgn0020369;FBgn0028684;FBgn0015282;FBgn0028687;FBgn0039788;FBgn0037742;FBgn0015283;FBgn0028685	Rpt3;Rpn1;Rpn2;Pros45;Tbp-1;Pros26.4;Rpt1;Rpt6R;Rpt3R;Pros54;Rpt4	7;20;5;12;6;11;41;NA;NA;10;3	proteasome regulatory particle, base subcomplex
FC3536	7.6	5.49081595321499e-75	7	FBgn0027568;FBgn0030096;FBgn0033260;FBgn0001216;FBgn0034527;FBgn0260962;FBgn0025638	Cand1;Zpr1;Cul-4;Hsc70-1;CG9945;pic;Roc1a	11;NA;4;23;NA;37;NA	DNA amplification;eggshell chorion gene amplification;protein ubiquitination involved in ubiquitin-dependent protein catabolic process;DNA biosynthetic process;protein ubiquitination
FC3746	6.75	7.12549106244263e-45	6	FBgn0000319;FBgn0261279;FBgn0024814;FBgn0010380;FBgn0039955;FBgn0035995	Chc;IqfR;Clc;Bap;CG41099;CG3529	24;NA;3;30;NA;NA	vesicle coating;synaptic vesicle endocytosis;synaptic vesicle budding from presynaptic membrane;synaptic vesicle coating;neurotransmitter secretion
FC5980	6.75	7.12549106244263e-45	6	FBgn0000319;FBgn0024814;FBgn0016693;FBgn0035147;FBgn0036309;FBgn0032393	Chc;Clc;Past1;Gale;Hip1;CG12264	24;3;NA;NA;NA;24	synaptic vesicle budding;synaptic vesicle endocytosis;synaptic vesicle budding from presynaptic membrane;sperm individualization;synaptic vesicle coating

FC5181	6.666666667	8.28023178308143e-11	5	FBgn0087035;FBgn0031951;FBgn0034246;FBgn0037328;FBgn0003279	AGO2;r2d2;Dcr-2;Rpl35A;Rpl4	37;NA;NA;1;19	heterochromatin organization involved in chromatin silencing;RNA interference;chromatin silencing;siRNA loading onto RISC involved in RNA interference;production of siRNA involved in RNA interference
FC659	6.333333333	0	12	FBgn0261602;FBgn0038090;FBgn0003062;FBgn0010265;FBgn0033699;FBgn0041205;FBgn0086710;FBgn0024222;FBgn0001233;FBgn0039857;FBgn0011573;FBgn0003279	Rpl8;CG10909;Fib;RpS13;RpS11;key;Rpl30;ird5;Hsp83;Rpl6;Cdc37;Rpl4	6;NA;12;17;12;NA;5;NA;54;3;NA;19	TNF-alpha/NF-kappa B signaling complex 6
FC4085	6.285714286	0	13	FBgn0034237;FBgn0015286;FBgn0034258;FBgn0038989;FBgn0004926;FBgn0037249;FBgn0015834;FBgn0022023;FBgn0261609;FBgn0086706;FBgn0034110;FBgn0030719;FBgn0027619	eIF3-S9;Rala;eIF3-S8;CG6937;eIF-2beta;eIF-S10;Trip1;eIF-3p40;eIF-2alpha;pix;Atg9;eIF5;Adam	15;NA;63;NA;1;21;22;7;27;NA;NA;NA;NA	cellular protein metabolic process;translational initiation;neurogenesis;translation;nervous system development
FC6664	6.2	6.55779109143777e-50	7	FBgn0004856;FBgn0035136;FBgn0261609;FBgn0030719;FBgn0027835;FBgn004926;FBgn0010488	Bx42;CG6905;eIF-2alpha;eIF5;Dp1;eIF-2beta;NAT1	NA;NA;27;NA;22;1;8	nucleic acid metabolic process;cellular macromolecule metabolic process;nucleobase-containing compound metabolic process;RNA metabolic process;cellular nitrogen compound metabolic process
FC6648	6	0	10	FBgn0034237;FBgn0034654;FBgn0037853;FBgn0039622;FBgn0261592;FBgn0033902;FBgn0022023;FBgn0031011;FBgn0260634;FBgn0001942	eIF3-S9;CG10306;CG14696;eIF4E-6;RpS6;Tango7;eIF-3p40;CG8034;eIF4G2;eIF-4a	15;12;NA;NA;9;8;7;NA;NA;23	cellular biosynthetic process;cellular macromolecule biosynthetic process;cellular protein metabolic process;translational initiation;translation
FC232	6	8.99308817067913e-09	4	FBgn0086605;FBgn0032640;FBgn0038571;FBgn0039147	CG9853;Sgt;CG7215;CG10694	14;12;NA;NA	cellular process
FC3751	5.75	1.24194380448636e-32	6	FBgn0261599;FBgn0028838;FBgn0001565;FBgn0035423;FBgn0034743;FBgn0033699	RpS29;CSN1a;Hlc;CG17737;RpS16;RpS11	3;NA;NA;8;27;12	cellular macromolecule biosynthetic process;spindle elongation;gene expression;translation;mitotic spindle elongation
FC3225	5.714285714	0	13	FBgn0023213;FBgn0034237;FBgn0037994;FBgn0034654;FBgn0037270;FBgn0029629;FBgn0033902;FBgn0022023;FBgn0031883;FBgn0029067;FBgn0036258;FBgn0027619;FBgn0001942	eIF4G;eIF3-S9;CG4810;CG10306;CG9769;CG8636;Tango7;eIF-3p40;CG11266;Dd;CG5642;Adam;eIF-4a	34;15;NA;12;3;6;8;7;NA;NA;4;NA;23	cellular biosynthetic process;cellular macromolecule biosynthetic process;cellular protein metabolic process;translational initiation;translation

FC5599	5.666666667	0	15	FBgn0260439;FBgn0027571;FBgn0015794;FBgn0028695;FBgn0015019;FBgn0008635;FBgn0053303;FBgn0026409;FBgn0015039;FBgn0039580;FBgn0005674;FBgn0003189;FBgn0031497;FBgn0040237;FBgn003342	Pp2A-29B;CG3523;Rab-RP4;Rpn1;Cctgamma;beta Cop;CG33303;Mpcp;Cyp9b2;Gfat2;Aats-glupro;r;CG17259;bor;CG8258	3;20;NA;20;3;2;16;6;NA;13;3;16;3;2;NA	mitotic spindle organization;spindle organization
FC5695	5.666666667	4.43424036607518e-08	5	FBgn0029093;FBgn0029118;FBgn0013770;FBgn0030670;FBgn0035811	cathD;Sucb;Cp1;Pis;CG12262	3;17;9;NA;5	salivary gland morphogenesis;histolysis;salivary gland histolysis;salivary gland cell autophagic cell death;gland morphogenesis
FC4805	5.5	0	14	FBgn0034035;FBgn0261602;FBgn0038474;FBgn0025674;FBgn0052654;FBgn0036825;FBgn0261606;FBgn0017579;FBgn0002579;FBgn0005593;FBgn0005533;FBgn0024733;FBgn0261596;FBgn0011272	CG8207;RpL8;mRpS11;Cy cK;Sec16;RpL26;RpL27A;RpL14;RpL36;RpL7;RpS17;RpL10;RpS24;RpL13	NA;6;NA;1;NA;5;11;11;4;2;18;11;4;12	mitotic spindle organization;centrosome organization;centrosome cycle;centrosome duplication;mitotic spindle elongation
FC3801	5.5	1.56936880070576e-07	4	FBgn0027568;FBgn0037894;FBgn0004462;FBgn0035440	Cand1;Ranbp9;Pk17E;CG14969	11;20;NA;NA	cellular process
FC909	5.25	2.94888778590399e-27	6	FBgn0029148;FBgn0011824;FBgn0038090;FBgn0003062;FBgn0033548;FBgn0259937	NHP2;CG4038;CG10909;Fib;CG7637;Nop60B	4;3;NA;12;2;18	rRNA metabolic process;ncRNA metabolic process;ncRNA processing;pseudouridine synthesis;rRNA processing
FC5907	5.222222222	0	15	FBgn0029118;FBgn0015278;FBgn0037643;FBgn0015622;FBgn0053303;FBgn0024556;FBgn0010516;FBgn0039562;FBgn0005674;FBgn0039580;FBgn0026409;FBgn0034277;FBgn0003189;FBgn0027291;FBgn0031497	Sucb;Pi3K68D;skap;Cnx99A;CG33303;EftuM;wal;Gp93;Aats-glupro;Gfat2;Mpcp;CG6370;r;l(1)G0156;CG17259	17;NA;11;NA;16;4;5;NA;3;13;6;NA;16;2;3	cellular biosynthetic process;cellular metabolic process;biosynthetic process;metabolic process
FC4156	5.142857143	5.90270419999936e-276	11	FBgn0037994;FBgn0034654;FBgn0037270;FBgn0035423;FBgn0000404;FBgn0030993;FBgn0033902;FBgn0022023;FBgn0039797;FBgn0036258;FBgn0001942	CG4810;CG10306;CG9769;CG17737;CycA;Mec2;Tan go7;eIF-3p40;CG1340;CG5642;eIF-4a	NA;12;3;8;NA;6;8;7;NA;4;23	cellular biosynthetic process;cellular macromolecule biosynthetic process;cellular protein metabolic process;translational initiation;translation

FC4730	5.111111111	0	15	FBgn0029118;FBgn0039635;FBgn0037643;FBgn0028695;FBgn0015622;FBgn0015019;FBgn0008635;FBgn0024556;FBgn0037709;FBgn0005674;FBgn0026409;FBgn0039580;FBgn0003189;FBgn0031497;FBgn0033342	Sucb;CG11876;skap;Rpn1;Cnx99A;Cctgamma;betaCop;EfTuM;CG8199;Aats-glupro;Mpcp;Gfat2;r;CG17259;CG8258	17;1;11;20;NA;3;2;4;NA;3;6;13;16;3;NA	cellular metabolic process;metabolic process
FC4370	5	1.64397749491974e-06	5	FBgn0020626;FBgn0028379;FBgn0261710;FBgn0029687;FBgn0035165	Osbp;fan;nocte;Vap-33-1;CG13887	NA;NA;30;14;1	spermatid development;cellularization;sperm individualization;spermatid differentiation
FC377	5	2.32718138560669e-13	3	FBgn0026136;FBgn0000258;FBgn0000259	CklIbeta2;CklIalpha;CklIbeta	NA;31;5	Casein kinase II (beta-dimer, alpha, alpha');Casein kinase II (beta-dimer, alpha'-dimer);Casein kinase II (beta-dimer, alpha-dimer);CK2;Casein kinase II complex
FC4344	5	2.32718138560669e-13	3	FBgn0025724;FBgn0037549;FBgn0025725	beta'Cop;CG7878;alphaCop	4;5;15	establishment of protein localization;intracellular protein transport;retrograde vesicle-mediated transport, Golgi to ER;Golgi vesicle transport;protein transport