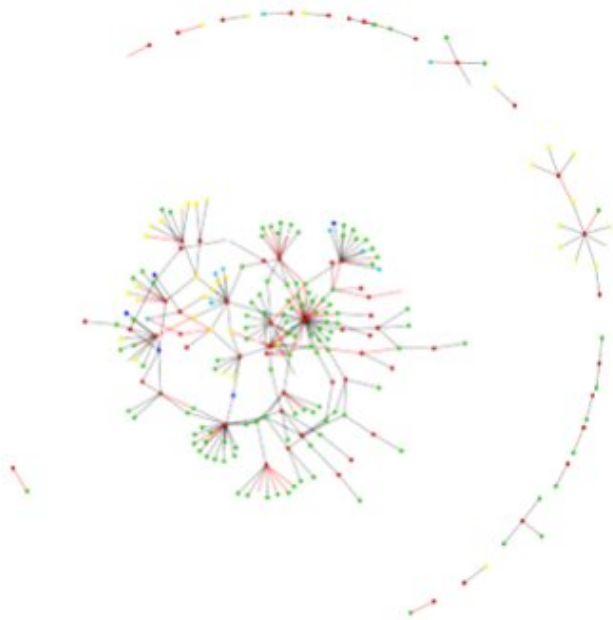
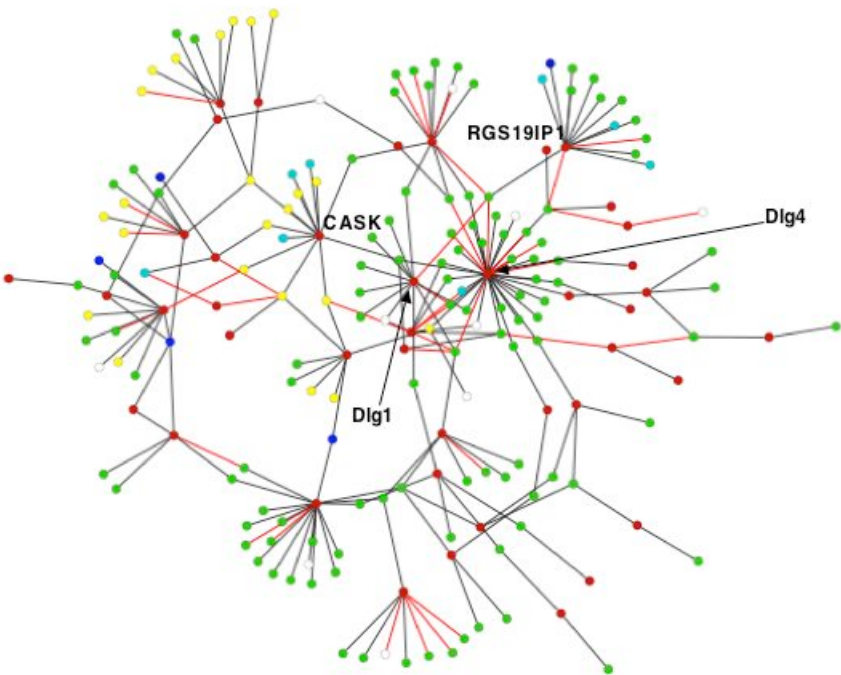


Supplementary Figure 1

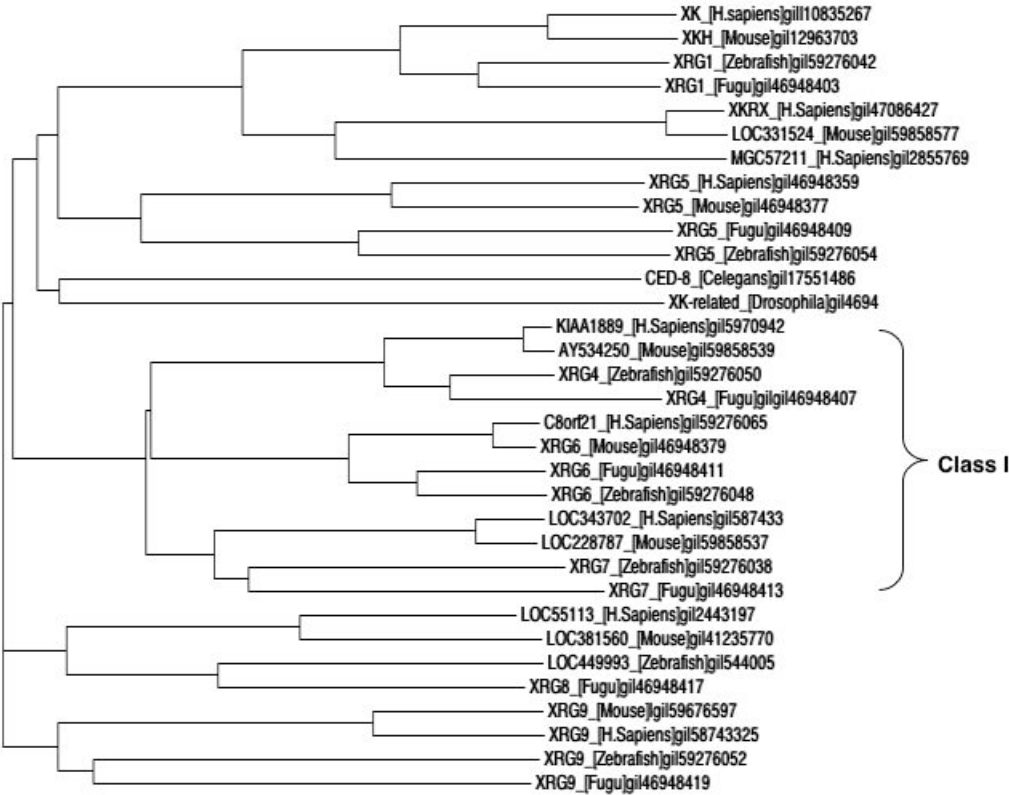
A



B



Supplementary Figure 2



Supplementary Figure 3

[illegible]

Supplementary Figure Table I

H. sapiens Gene Symbol	Known Ligand	Drosophila Orthologue	FlyBase	Fly Pheno	Drosophila C-terminus	C. Elegans Orthologue	C. Elegans C-terminus
ATP2C1	Y	CG32451-	FBGN0037190		YSTRSELDV	ZK256.1A	NHDPLSVSGI*
FKBP2	N	CG14715	FBGN0037930		IEPRSGSEEL	F36H1.1	MKIDRDGEEL
KIAA1102	N	CG31534	FBGN0037268		DDGIKFSCV	-	-
KIDINS220	Y	CG30387	FBGN0050387		SAPFVFTVRK	F36H1.2	EQLFNRQSDA*
KLHL17	N	CG15097	FBgn0034396		LERGLVQTTNL	-	-
MCC	Y	CG6156	FBGN0038328		GHNHVPETTL	-	-
MYO5A	N	didum	FBGN0015933		SHLNLDEFLT* KI*	F36D4.3A	LHMQSVCLRV
REPS2	N	CG6192	FBgn0032341		GSAGAAATNV	-	-
SEC8L1	N	CG2095	FBGN0037373		GAKPSKGVVV	Y106G6H.7	VLNSILNQKK
ATP5L	N	CG7211	FBGN0010612		GKRHIVGYNV	C53B7.4	EQEALAALEN
C11orf10	N	CG9669	FBGN0036667		FLLLTVGIYV*	-	-
C12orf2	N	CG5053	FBgn0039352		TSKNPHGVVW	K05B2.2	GTSTPLTVIA
STRN3	N	Cka	FBGN0044323		GADGLAKVFV	K07C5.8	LAKVYVSGSN
13CDNA73	N	furry	FBGN0016081		RSEQDIVTNL	F21H11.2A	QLPSSSDHYD
ACTN1	Y	alpha-actinin	FBGN0000667		STALYGETDL	W04D2.1b	YVTFSRSLYSQ
CSMD2	N	furrowed	FBGN0001083		VITINGISVR	C54G4.4	PLPPPPLLPR
DKFZP564D166	Y	rolling-pebbles	FBgn0041096		YESHHEITDL	-	-
EPB41L5	Y	yurt	FBGN0038155		IRKSVITTQL	T04C9.6	QHQRRIVTD
FCHSD2	N	nervous-wreck	FBgn0035966		IYIYIYIYI*	-	-
FLJ12604	N	melted	FBGN0023001		RSIGSSKPSF	K10B4.3	AMAHARRELA
FZD1	Y	frizzled	FBGN0001085		EPRTAQAYV	T23D8.1	AHVDQVNM
FZD5	Y	frizzled2	FBGN0016797		VLKQPAASHV	F27E11.3A	FLQIILISQI*
IGSF9	N	turtle	FBgn0010473		QAMQQMESVC	-	-
KIRREL	Y	kin-of-irre	FBgn0028369		TQKGPLATHV	-	-
PLEKHE1	N	CG10493	FBgn0032749		RKYWGVATTEL	-	-
SDK1	N	sidekick	FBgn0021764		APLPGFSSFV	Y42H9B.2	NLLTTFSSFV
USH1G	Y	CG13320	FBgn0033785		NPGPLVDSRL	-	-
VANGL1	Y	Vang	FBGN0015838		VLKLNSETSV	B0410.2A	SLKISNESAV
CSPG4	Y	CG10275	FBGN0032683		PLLRNRYWV	C48E7.6	TQPTNHYWV
PPP3R1	N	Can B	FBGN0010014		DIHKKMVVDV	-	-
SPINL	N	spin	FBGN0004571		QQRDERGQIA	C39E9.10	INDDVASSRL
DUSP10	N	puckered	FBgn0004210		NHVASNLTRD	-	-
KIAA0720	N	CG7323	FBgn0036943		HNQSSTETDV	T08H4.1	QDNRLETSDV
MGC42105	N	CG4629	FBgn0031299		EKRIERSCCIL	F49C5.4	EKAIDDKVIFV*
MTMR2	Y	myotubularin	FBgn0025742		TTTRLASPMH	-	-
PLCB4	N	no-receptor-potential-A	FBgn0004625		YKTQGKTEFYA*	B0348.4a	QLAAQPTSVV