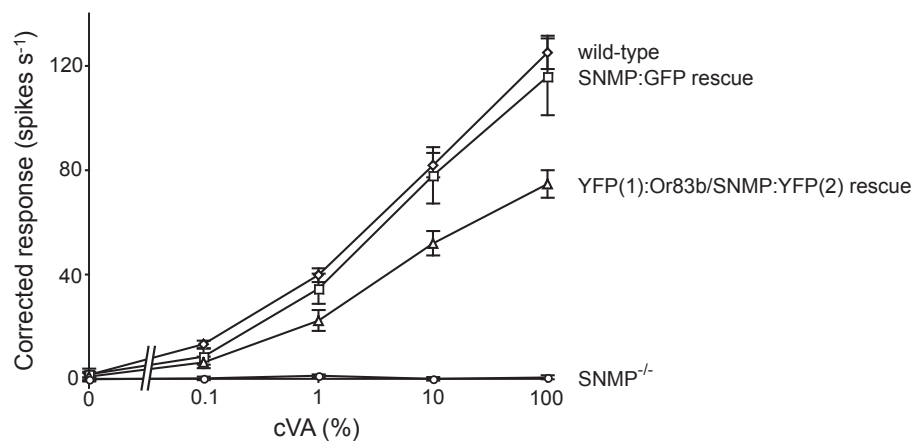


SUPPLEMENTARY INFORMATION

SUPPLEMENTARY FIGURE LEGENDS

Figure S1 | Functional characterisation of SNMP fusion proteins. Dose-response curve for cVA in *Or67d* neurons of wild-type (Berlin), *SNMP* mutant (*Or67d-GAL4/+;SNMP¹/SNMP²*), *SNMP*:GFP rescue (*Or67d-GAL4/UAS-SNMP:GFP;SNMP¹/SNMP²*) and YFP(1):*Or83b*/*SNMP*:YFP(2) rescue (*Or67d:GAL4,UAS-YFP(1):Or83b/UAS-SNMP:YFP(2);SNMP¹,Or83b²/SNMP²,Or83b¹*) animals. Mean responses are plotted ($\pm$ s.e.m; wild-type $n=47$, *SNMP* mutant $n=46$, *SNMP*:GFP rescue $n=20$; YFP(1):*Or83b*/*SNMP*:YFP(2) rescue $n=22$; ≤ 4 sensilla/animal, mixed genders). Wild-type and *SNMP*:GFP rescue responses to cVA are not significantly different (ANOVA; $p>0.1175$). YFP(1):*Or83b*/*SNMP*:YFP(2) rescue responses to cVA are highly significantly different from *SNMP* mutants and from wild-type (ANOVA; $p<0.0001$), indicating partial rescue.

Figure S2 | Cell type-specific rescue of *SNMP* expression. **a**, Immunostaining for mCD8:GFP (anti-GFP, green) and LUSH (magenta) in *LUSH-GAL4/UAS-mCD8:GFP* animals reveals faithful recapitulation of endogenous expression by the *LUSH-GAL4* driver. **b**, Two-colour RNA *in situ* hybridisation for *SNMP* (green) and *Or67d* (magenta) in antennal sections of wild-type, *Or67d* neuron *SNMP* rescue (*Or67d-GAL4/UAS-SNMP;SNMP¹/SNMP²*) and support cell *SNMP* rescue (*LUSH-GAL4/UAS-SNMP;SNMP¹/SNMP²*) animals.



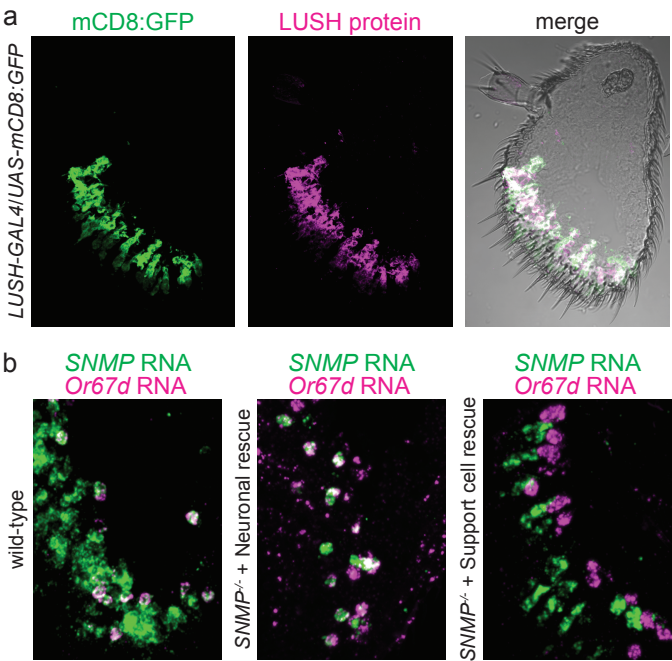


Table S1: Genes identified in the comparative genomics screen

Gene ID	Gene Name	Predicted function/protein homologies
ODORANT AND GUSTATORY RECEPTORS		
CG10609	Or83b	odorant co-receptor
CG17867	Or10a	odorant receptor
CG15377	Or22c	odorant receptor
CG11767	Or24a	odorant receptor
CG13106	Or30a	odorant receptor
CG16960	Or33a	odorant receptor
CG16961	Or33b	odorant receptor
CG5006	Or33c	odorant receptor
CG12931	Or45b	odorant receptor
CG17584	Or49b	odorant receptor
CG12501	Or56a	odorant receptor
CG9820	Or59a	odorant receptor
CG12526	Or67a	odorant receptor
CG14176	Or67b	odorant receptor
CG14156	Or67c	odorant receptor
CG14157	Or67d	odorant receptor
CG17871	Or71a	odorant receptor
CG10612	Or83a	odorant receptor
CG15581	Or83c	odorant receptor
CG11735	Or85b	odorant receptor
CG17911	Or85c	odorant receptor
CG11742	Or85d	odorant receptor
CG17916	Or92a	odorant receptor
CG17241	Or94a	odorant receptor
CG6679	Or94b	odorant receptor
CG13948	Gr21a	gustatory receptor
CG13787	Gr28a	gustatory receptor
CG13788	Gr28b	gustatory receptor
CG18531	Gr2a	gustatory receptor
CG17213	Gr33a	gustatory receptor
CG1712	Gr43a	gustatory receptor
CG33151	Gr59e	gustatory receptor
CG33150	Gr59f	gustatory receptor
CG15779	Gr5a	gustatory receptor
CG13888	Gr61a	gustatory receptor
CG14979	Gr63a	gustatory receptor
CG32261	Gr64a	gustatory receptor
CG32257	Gr64b	gustatory receptor
CG32255	Gr64f	gustatory receptor
CG7189	Gr66a	gustatory receptor

ODORANT BINDING PROTEINS		
CG11748	Obp19a	odorant binding protein
CG6641	Obp28a	odorant binding protein
CG12905	Obp46a	odorant binding protein
CG30067	Obp50a	odorant binding protein
CG30072	Obp50c	odorant binding protein
CG30074	Obp50d	odorant binding protein
CG13939	Obp50e	odorant binding protein
CG13518	Obp58b	odorant binding protein
CG13524	Obp58c	odorant binding protein
CG13517	Obp59a	odorant binding protein
CG10436	Obp69a	odorant binding protein
CG8807	Obp76a	odorant binding protein
CG11421	Obp83a	odorant binding protein
CG11422	Obp83b	odorant binding protein
CG1176	Obp84a	odorant binding protein
CG11732	Obp85a	odorant binding protein
CG17284	Obp93a	odorant binding protein
CG14379	CheA87a	chemosensory protein family A
CG15242	CheB42a	chemosensory protein family B
CG10264		antennal carrier/juvenile hormone binding protein

Gene ID	Gene Name	Predicted function/protein homologies
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ODOUR DEGRADING/BIOTRANSFORMATION ENZYMES

CG9452		acid phosphatase
CG12896		AhpC/TSA family peroxidase
CG18516		aldehyde oxidase/xanthine dehydrogenase domains, ferredoxin domain, FAD-binding domain
CG18519		aldehyde oxidase/xanthine dehydrogenase domains, ferredoxin domain, FAD-binding domain
CG4009		animal haem peroxidase
CG30445		aromatic-L-amino acid decarboxylase
CG10339		carboxylesterase
CG9283		carboxylesterase
CG9287		carboxylesterase
CG17148	Esterase P	carboxylesterase
CG1131	alpha-Esterase-10	carboxylesterase, cholinesterase
CG9289		carboxylesterase, coiled coil region
CG1128	alpha-Esterase-9	carboxylesterase/cholinesterase
CG34127		carboxylesterase/lipase
CG1895	Cyp28c1	cytochrome P450
CG6081	Cyp28d2	cytochrome P450
CG12028	Cyp302a1	cytochrome P450
CG6585	Cyp308a1	cytochrome P450
CG14728	Cyp315a1	cytochrome P450
CG8302	Cyp4aa1	cytochrome P450
CG17970	Cyp4ac2	cytochrome P450
CG8859	Cyp6g2	cytochrome P450
CG8457	Cyp6t3	cytochrome P450
CG31674		D-isomer specific 2-hydroxyacid dehydrogenase catalytic domain, NAD binding domain
CG4181		glutathione S-transferase
CG4421		glutathione S-transferase
CG18548	GstD10	glutathione S-transferase
CG6142		GMC oxidoreductase
CG9521		GMC oxidoreductase
CG12398		GMC oxidoreductase domains
CG10357		lipase
CG13282		lipase
CG13562		lipase
CG18258		lipase
CG18641		lipase
CG5665		lipase
CG6472		lipase
CG31684		lipase domains
CG7367		lipase, transmembrane domain
CG4020		male sterility protein domain/fatty acyl reductase
CG13833		short chain dehydrogenase domain
CG5948		superoxide dismutase
CG9432	I(2)01289	thioredoxin-like repeats, coiled coil region, transmembrane domain
CG10178		UDP glycosyltransferase
CG15661		UDP glycosyltransferase
CG30036		UDP glycosyltransferase
CG30037		UDP glycosyltransferase
CG5724		UDP glycosyltransferase
CG5999		UDP glycosyltransferase
CG13270	Ugt36Ba	UDP glycosyltransferase
CG13271	Ugt36Bb	UDP glycosyltransferase
CG11012	Ugt37a1	UDP glycosyltransferase
CG11012	Ugt37a1	UDP glycosyltransferase
CG8652	Ugt37c1	UDP glycosyltransferase
CG6475		UDP glycosyltransferase

TRANSCRIPTION FACTORS

CG7508	atonal	bHLH domain
CG15725		BTB domain, Zn fingers
CG32121		BTB domain, Zn fingers
CG13845		FLYWCH Zn finger domain
CG32006		forkhead domain
CG12632	fd3F	forkhead domain
CG1132	fd64A	forkhead domain

Gene ID	Gene Name	Predicted function/protein homologies
CG8333	HLHmgamma	HLH and Orange domains
CG15696		homeobox domain
CG2047	fushi tarazu	homeobox domain
CG11294		homeodomain
CG15216		MYND Zn finger
CG10296		nuclear hormone receptor Zn finger
CG10488	eyegone	Paired and homeobox domains
CG8246	Pox neuro	Paired domain
CG3905	suppressor of zeste 2	RING finger
CG11966		Zn finger
CG3081		Zn finger
CG9019	dissatisfaction	Zn finger, steroid hormone binding domain
CG10309		Zn fingers
CG15269		Zn fingers
CG17568		Zn fingers
CG18555		Zn fingers
CG32830		Zn fingers
CG4374		Zn fingers
CG32120	senseless	Zn fingers
CG10147		Zn fingers, Zn finger-associated domain
CG3485		Zn fingers, Zn finger-associated domain

ION CHANNELS/TRANSPORTERS		
CG13490		degenerin/epithelial sodium channel (DEG/ENaC)
CG14239		degenerin/epithelial sodium channel (DEG/ENaC)
CG15555		degenerin/epithelial sodium channel (DEG/ENaC)
CG30181		degenerin/epithelial sodium channel (DEG/ENaC)
CG31105		degenerin/epithelial sodium channel (DEG/ENaC)
CG4110	pickpocket11	degenerin/epithelial sodium channel (DEG/ENaC)
CG14398	pickpocket13	degenerin/epithelial sodium channel (DEG/ENaC)
CG8527	pickpocket23	degenerin/epithelial sodium channel (DEG/ENaC)
CG4805	pickpocket28	degenerin/epithelial sodium channel (DEG/ENaC)
CG11209	pickpocket6	degenerin/epithelial sodium channel (DEG/ENaC)
CG6112	pHCl	GABA receptor, glycine-gated chloride channel
CG7411	ora transientless	histamine-gated chloride channel
CG17063	innexin 6	innexin
CG3536		intracellular cyclic nucleotide activated cation channel
CG9176	cnlg	intracellular cyclic nucleotide activated cation channel
CG10101		ionotropic glutamate receptor
CG10633		ionotropic glutamate receptor
CG12624		ionotropic glutamate receptor
CG14076		ionotropic glutamate receptor
CG15324		ionotropic glutamate receptor
CG2657		ionotropic glutamate receptor
CG31718		ionotropic glutamate receptor
CG32704		ionotropic glutamate receptor
CG6185		ionotropic glutamate receptor
CG7385		ionotropic glutamate receptor
CG32975	nAcRalpha-34E	nicotinic acetylcholine-activated cation-selective channel
CG10864		outward rectifier potassium channel
CG10369		inward rectifier potassium channel
CG12543		potassium channel
CG32770		potassium channel
CG3367		potassium channel
CG15004		sodium channel auxiliary subunit
CG12455		voltage-gated calcium channel
CG4587		voltage-gated calcium channel
CG10505		ABC transporter domains, ATPase domains
CG11898		ABC transporter domains, ATPase domains
CG16700		amino acid transporter
CG10251		MFS transporter
CG14196		MFS transporter
CG30345		MFS transporter
CG3409		MFS transporter
CG6978		MFS transporter

Gene ID	Gene Name	Predicted function/protein homologies
CG15221		MFS/sugar transporter
CG15408		MFS/sugar transporter
CG3285		MFS/sugar transporter
CG6600		MFS/sugar transporter
CG8925		MFS/sugar transporter
CG10183		NRF domain, transmembrane domains
CG14204		NRF domain, transmembrane domains
CG16723		NRF domain, transmembrane domains
CG30471		NRF domain, transmembrane domains
CG10804		sodium:neurotransmitter symporter family
CG33124		sodium:solute symporter family
CG9657		sodium:solute symporter family
CG17929		sugar (and other) transporter
CG6901		sugar (and other) transporter
CG10006		ZIP Zn transporter

IMMUNITY		
CG10146	Attacin-A	Gram-negative antibacterial peptide
CG18372	Attacin-B	Gram-negative antibacterial peptide
CG4740	Attacin-C	Gram-negative antibacterial peptide
CG7629	Attacin-D	Gram-negative antibacterial peptide
CG32924	Cecropin 2	Gram-positive antibacterial peptide
CG1365	Cecropin A1	Gram-positive antibacterial peptide
CG1367	Cecropin A2	Gram-positive antibacterial peptide
CG1878	Cecropin B	Gram-positive antibacterial peptide
CG1385	Defensin	Gram-positive antibacterial peptide
CG5528	Toll-9	leucine-rich repeats, transmembrane domain, TIR domain
CG12813		MD-2-related lipid-recognition domain
CG32679		SCP domain
CG1851	Ady43A	adenosine kinase
CG14928		spatzle-like cysteine-knot cytokine
CG1887		CD36-related scavenger receptor
CG31741		CD36-related scavenger receptor
CG7000		CD36-related scavenger receptor
CG7422		CD36-related scavenger receptor
CG3212	Sr-CIV	Complement Control Protein domains, MAM domain, Somatomedin B-like domain
CG4099		scavenger receptor class C type I

CUTICLE FORMATION/MELANISATION		
CG7072		chitin-binding domain
CG8511		chitin-binding domain
CG13675		chitin-binding domain type 2
CG14301		chitin-binding domain type 2
CG15313		chitin-binding domain type 2
CG32036		chitin-binding domain type 2, transmembrane domain
CG12255		chitin-binding domain type 4
CG15008		chitin-binding domain type 4
CG18348		chitin-binding domain type 4
CG30042		chitin-binding domain type 4
CG30045		chitin-binding domain type 4
CG31876		chitin-binding domain type 4
CG4052		chitin-binding domain type 4
CG6305		chitin-binding domain type 4
CG7076		chitin-binding domain type 4
CG8515		chitin-binding domain type 4
CG9079		chitin-binding domain type 4
CG9290		chitin-binding domain type 4
CG9295		chitin-binding domain type 4
CG2341	Ccp84Ad	chitin-binding domain type 4
CG1331	Ccp84Af	chitin-binding domain type 4
CG13670		chitin-binding domain type 4, transmembrane domain
CG15007		chitin-binding domain type 4, transmembrane domain
CG10140		chitin-binding domains type 2
CG14304		chitin-binding peritrophin A domain, coiled coil region
CG7548		insect cuticle protein

Gene ID	Gene Name	Predicted function/protein homologies
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CG8541		insect cuticle protein
CG8543		insect cuticle protein
CG3757	yellow	major royal jelly protein domain
CG17044	yellow-e2	major royal jelly protein domain
CG13804	yellow-g2	major royal jelly protein domain

PROTEASES		
CG18188	Damm	caspase
CG11843		serine protease
CG12256		serine protease
CG12951		serine protease
CG13744		serine protease
CG14760		serine protease
CG14892		serine protease
CG16997		serine protease
CG17404		serine protease
CG32523		serine protease
CG3739		serine protease
CG3916		serine protease
CG5255		serine protease
CG6298		serine protease
CG6865		serine protease
CG7432		serine protease
CG7996	snake	serine protease
CG9564	Try29F	serine protease
CG30371		serine protease, CUB domain
CG30375		serine protease, CUB domain
CG10663		serine protease, thrombospondin type I repeats
CG10280		Zn-dependent metalloprotease, transmembrane domain
CG10129	nudel	serine protease
CG13748		BPTI/Kunitz family serine protease inhibitor
CG15369		cystatin-like domain
CG7219	Spn28D	serpin
CG12807	Spn85f	serpin
CG30047		peptidase family M20/M28, transmembrane domains
CG30049		peptidase family M20/M28, transmembrane domains
CG33012		peptidase family M20/M28, transmembrane domains
CG33013		peptidase family M20/M28, transmembrane domains

SIGNALLING		
CG13692		ARF GTPase activator-related
CG31118	RabX4	small GTPase
CG18747		arrestin domains
CG16976		C2 domain
CG5559		C2 domains, transmembrane domain
CG11573	Discoidin domain receptor	collagen-activated transmembrane receptor protein tyrosine kinase
CG15819		DOCK-like GEF domain
CG14387		EF hand
CG15178		EF hands
CG12796		GPCR
CG13579		GPCR
CG16726		GPCR
CG16766		GPCR
CG18208		GPCR
CG30340		GPCR
CG31351		GPCR
CG31645		GPCR
CG32547		GPCR
CG33696		GPCR
CG4187		GPCR
CG4313		GPCR
CG4395		GPCR
CG7994		GPCR
CG8007		GPCR
CG8784		GPCR

Gene ID	Gene Name	Predicted function/protein homologies
CG17061	methuselah-like 10	GPCR?
CG31350	Octb3R	GPCR
CG6515	Takr86C	GPCR
CG10738		guanylate cyclase
CG14877		guanylate cyclase
CG5719		guanylate cyclase
CG14885	Gyc-89Da	guanylate cyclase
CG31469		low molecular weight phosphatase family
CG3216		Natriuretic peptide receptor C (receptor guanylate cyclase)
CG14163		protein kinase domain
CG3277		protein tyrosine kinase
CG14714		protein tyrosine phosphatase
CG40204		Ras association (RalGDS/AF-6) domain
CG15405		Ras GEF domain
CG8519		Ras GTPase
CG7991		SH3 domain
CG12102		small GTPase
CG15664	Rgk3	small GTPase
CG12933		small GTPase regulator-related, coiled coil regions
CG4969	Wnt6	wingless-related
CG18646		Rap/Ran-GAP domain, BTB domain
CG4910	Ccap	neuropeptide hormone
CG10342	npf	neuropeptide hormone
CG18243	Ptp52F	protein tyrosine phosphatase
CG15284	partner of burs	cysteine-knot cytokine

PROTEIN-PROTEIN INTERACTION		
CG31062	sidestep	Ig and Ig-like domains, FN3 domain, transmembrane domain
CG5423	robo3	Ig and Ig-like domains, FN3 domains, transmembrane domain
CG13207	nompA	PAN domains, ZP domains, transmembrane domain
CG16827	alphaPS4	integrin alpha subunit
CG5372	alphaPS5	integrin alpha subunit
CG7527	CadN2	neural cadherin
CG6118		BTB domain
CG11072		BTB/POZ domain
CG4509		cadherin repeats, transmembrane domain, coiled coil region
CG13165		coiled coil region
CG13272		coiled coil region
CG13924		coiled coil region
CG13966		coiled coil region
CG15720		coiled coil region
CG17009		coiled coil region
CG30175		coiled coil region
CG32397		coiled coil region
CG6026		coiled coil region
CG7031		coiled coil region
CG13800		coiled coil regions
CG15415		coiled coil regions
CG17443		coiled coil regions
CG6108		coiled coil regions
CG6793		coiled coil regions
CG18648	cp309	coiled coil regions
CG12958		coiled-coil regions
CG14890		collagen triple helix repeat, coiled coil region
CG13136		CUB domain
CG13310		CUB domain
CG7179		CUB domain
CG30264		DPY30 domain, ankyrin repeats
CG11101	pawn	EGF repeat, transmembrane domain
CG1567	C901	EGF repeats
CG33955		EGF repeats, Laminin G domains
CG13913		FH3 domain, coiled coil domain
CG31832		Fibrinogen-related domain
CG9593		Fibrinogen-related domain
CG14964		fibronectin type 3 domains, Ig domains, coiled coil region

Gene ID	Gene Name	Predicted function/protein homologies
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CG7504		forkhead associated domain, coiled coil region
CG11620		HEAT repeats
CG4814		Ig and Ig-like domains
CG14469	dpr12	Ig C-2 domain
CG12557	dpr13	Ig C-2 domain
CG10134	beat-Va	Ig domain
CG14249	beat-VII	Ig domain
CG14678		Ig domains
CG7166		Ig-like and Ig domains, FN3 domain
CG13672		Ig-like domain
CG1504		leucine-rich repeats
CG4054		leucine-rich repeats
CG8561		leucine-rich repeats
CG4977	kekkon-2	leucine-rich repeats, Ig domain
CG1804	kekkon-6	leucine-rich repeats, Ig domain, transmembrane domain
CG11136		leucine-rich repeats, transmembrane domain
CG14747		PAN domain
CG15617		PDZ domain
CG32131		PDZ domain
CG6688		PDZ domain
CG9587		PDZ domain
CG14168		PDZ domain, coiled coil region
CG15803		PDZ domains
CG14515		Reeler domain
CG13289		SH2 domain
CG8647		thrombospondin N-terminal-like domain
CG12594		thrombospondin type 1 repeat, Laminin G domain
CG15042		Tudor domain
CG31755		Tudor domain, coiled coil region
CG13648		VWC domains
CG17211		VWC domains
CG13074		WD40 repeats
CG14285		WD40 repeats
CG33227		CUB domain, LDL receptor class A domain, transmembrane domain
CG30188		Ig and Ig-like domains, FN3 domain, transmembrane domain
CG14010		Ig-like and Ig domains, transmembrane domain
CG4950		leucine-rich repeats, transmembrane domain
CG15431		transmembrane domain, coiled coil region
CG30164		transmembrane domains, coiled coil region

MISCELLANEOUS		
CG32136	Tsp68C	tetraspanin
CG17330	jhamt	juvenile hormone acid methyltransferase
CG9048	Vm26Aa	vitelline membrane protein
CG9046	Vm26Ab	vitelline membrane protein
CG16874	Vm32E	vitelline membrane protein
CG9271	Vm34Ca	vitelline membrane protein
CG13658		choline kinase
CG13659		choline kinase
CG31104		choline kinase
CG31370		choline kinase
CG31380		choline kinase
CG31436		choline kinase
CG31975		choline kinase
CG9259		choline kinase
CG9497		choline kinase
CG17928		cytochrome b5-like heme/steroid binding domain, transmembrane domain, fatty acid desaturase
CG6660		GNS1/SUR4 family long chain fatty acid elongase
CG17028		inositol monophosphatase
CG32637		LDL receptor class A domain
CG12654		LDL receptor class A domains
CG12092	NPC1b	Patched-related
CG15534		sphingomyelin phosphodiesterase, Saposin B domain
CG14934		alpha-amylase domain (inactive)
CG30360		alpha-amylase domain (inactive)

Gene ID	Gene Name	Predicted function/protein homologies
CG11159		Alpha-lactalbumin/lysozyme C domain (inactive)
CG7900		amidase
CG8834		AMP-binding ligase
CG31766	Ance-3	angiotensin converting enzyme
CG30274		ATP:guanido phosphotransferase, C-terminal catalytic domain
CG10546		CRAL/TRIO domain
CG31636		CRAL/TRIO domain
CG13078		cytochrome b-561/ferric reductase transmembrane domain
CG14120		DNA/RNA non-specific endonuclease domains
CG15531		fatty acid desaturase, transmembrane domain
CG12560		GCN5-related N-acetyl transferase
CG40305		glycosyltransferase family 10/fucosyltransferase
CG40317		helicase
CG14259		juvenile hormone binding protein domain
CG14661		juvenile hormone binding protein domain
CG15497		juvenile hormone binding protein domain
CG17189		juvenile hormone binding protein domain
CG8945		metallocarboxypeptidase
CG4312	metallothionein B	metallothionein family 5 domain
CG5097	metallothionein C	metallothionein family 5 domain
CG33192	metallothionein D	metallothionein family 5 domain
CG10584		methyltransferase
CG15831		myosin ATPase
CG1961		phosphodiesterase domain, 5'-nucleotidase domain
CG4787		RNA recognition motif
CG9642		SET domain, coiled coil region
CG11231		similar to reverse transcriptase
CG11260		similarity to integrase/ribonuclease H
CG13011		MARVEL domain
CG2022		Mpv17/PMP22 domain, transmembrane domain
CG15585	osiris 1	DUF1676, transmembrane domain
CG15593	osiris 10	DUF1676, transmembrane domain
CG15596	osiris 11	DUF1676, transmembrane domain
CG31561	osiris 16	DUF1676, transmembrane domain
CG14925	osiris 21	DUF1676, transmembrane domain
CG8644	osiris 22	DUF1676, transmembrane domain
CG15538	osiris 23	DUF1676, transmembrane domain
CG15590	osiris 5	DUF1676, transmembrane domain
CG15591	osiris 8	DUF1676, transmembrane domain
CG13209		PAC domain, transmembrane domain
CG5922		periplasmic binding protein, transmembrane domain
CG16734		4-helical cytokine domain
CG13613		DM4/DM12 domain
CG13614		DM4/DM12 domain
CG14115		DM4/DM12 domain
CG14826		DM4/DM12 domain
CG14829		DM4/DM12 domain
CG17781		DM4/DM12 domain
CG17782		DM4/DM12 domain
CG14116		DM4/DM12 domains
CG18669		DM4/DM12 domains
CG14455		DM8 domain
CG14456		DM8 domain
CG14458		DM8 domains
CG12516		DUF1487 domain
CG17758		DUF270 domain
CG11693		DUF745 domain
CG13492		DUF753 domains
CG13942		Extensin domain
CG15564		Extensin-2 domain
CG15712		insect allergen related repeats
CG14394		Ninjurin domain
CG10017		OAR domain
CG11000		PH domain
CG13040		Retinin C domain

Gene ID	Gene Name	Predicted function/protein homologies
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CG13041		Retinin C domain
CG13042		Retinin C domain
CG13044		Retinin C domain
CG13056		Retinin C domain
CG13059		Retinin C domain
CG13060		Retinin C domain
CG13062		Retinin C domain
CG13063		Retinin C domain

NOVEL		
CG12420		transmembrane domain
CG12994		transmembrane domain
CG13069		transmembrane domain
CG13129		transmembrane domain
CG13210		transmembrane domain
CG13300		transmembrane domain
CG14082		transmembrane domain
CG14274		transmembrane domain
CG14312		transmembrane domain
CG14949		transmembrane domain
CG15654		transmembrane domain
CG15673		transmembrane domain
CG15674		transmembrane domain
CG17776		transmembrane domain
CG18294		transmembrane domain
CG18679		transmembrane domain
CG30053		transmembrane domain
CG31900		transmembrane domain
CG32225		transmembrane domain
CG32234		transmembrane domain
CG13047		transmembrane domains
CG13068		transmembrane domains
CG13566		transmembrane domains
CG13576		transmembrane domains
CG13674		transmembrane domains
CG14096		transmembrane domains
CG14160		transmembrane domains
CG14223		transmembrane domains
CG14984		transmembrane domains
CG15449		transmembrane domains
CG15888		transmembrane domains
CG18635		transmembrane domains
CG18676		transmembrane domains
CG32213		transmembrane domains
CG32214		transmembrane domains
CG32939		transmembrane domains
CG33968		transmembrane domains
CG9760		transmembrane domains
CG32208	825-Oak	transmembrane domains
CG1113		none
CG11928		none
CG12524		none
CG12811		none
CG12820		none
CG12836		none
CG12851		none
CG1295		none
CG12964		none
CG13128		none
CG13134		none
CG13203		none
CG13323		none
CG13324		none
CG13373		none
CG13407		none

Gene ID	Gene Name	Predicted function/protein homologies
CG13408		none
CG13461		none
CG13462		none
CG13484		none
CG13588		none
CG13722		none
CG13814		none
CG13857		none
CG13881		none
CG13882		none
CG13936		none
CG13980		none
CG14095		none
CG14318		none
CG14331		none
CG14365		none
CG14497		none
CG14659		none
CG14770		none
CG14973		none
CG15055		none
CG15082		none
CG15125		none
CG15199		none
CG15202		none
CG15311		none
CG15412		none
CG15453		none
CG15649		none
CG15660		none
CG15729		none
CG15867		none
CG15894		none
CG15908		none
CG16800		none
CG17127		none
CG17275		none
CG17368		none
CG30127		none
CG30380		none
CG31051		none
CG31664		none
CG31841		none
CG31959		none
CG32037		none
CG32242		none
CG32537		none
CG32554		none
CG40075		none
CG40081		none
CG40225		none
CG5572		none
CG6362		none
CG7709		none
CG7796		none
CG9965		none