Table S3	
genes with two expression pea	ıks

genes with two expression	on peaks
CG9343	+ Trl transcription_factor * DMGAGATRA_4 Trl * GAGA-581 Adf-2 isoform * 1e-05 contains similarity to the kelch/MIPP family * 6e-05 leukemia/lymphoma related factor LRF [BTB // zf-C2H2 // ZINC_FINGER_C2H2] CG9343 LD41963 70F4-70F4 dup:1/2 ID:101A10
CG12505	+ unknown * CG12505 LD41905 50F6-50F6 ID:101A2
CG1636	+ unknown * CG1636 LD42063 7D21-7D21 dup:1/2 ID:101B10
001000	+ unknown * zinc finger protein(aa) * maf10(aa) * myeloid/lymphoid or mixed-lineage leukemia (trithorax (Drosophila)
CG1070	homolog); translocated to, 6(aa) * ALL1 fu [PHD] CG1070 LD42009 84C1-84C3 dup:1/3 ID:101B2
001010	+ Gprk2 protein_kinase * 4e-45 protein kinase * GPRK2 * 1e-151 YQR1_CAEEL PROBABLE G PROTEIN-COUPLED
	RECEPTOR KINASE F19C6.1 * 1e-175 G protein-coupled receptor kinase 5; GR CG17998 LD42147 100C-100C dup:1/3
CG17998	ID:101C4
	+ WD-40-family-member ligand_binding_or_carrier * CELL-CYCLE NUCLEAR AUTOANTIGEN SG2NA (S/G2 NUCLEAR
	ANTIGEN)(aa) * WD-40-family-member * STRIATIN(aa) * 1e-08 Similarity with hum[GPROTEINBRPT // WD40_REGION // NLS_B
CG7392	/] CG7392 28E1-28E1 dup:1/3 ID:101C7
CG4036	+ unknown * 5e-28 F09F7.7 gene product * [NLS_BP] CG4036 LD42289 32F1-32F1 dup:1/2 ID:101D11
	+ enzyme * 2e-30 5'-nucleotidase (EC 3.1.3.5) - mouse * 2e-31 5' nucleotidase (CD73) 5'-NUCLEOTIDASE PRECURSOR
0044000	(ECTO-NU * 1e-38 YfkN simila * 2', 3'-cuclic nuc [PHOSPHO_ESTER // 5_nucleotidase // SPAS] CG11883 LD42374 47B1-47B1
CG11883	dup:2/2 ID:101E4
CG8357	+ Rep1 enzyme * Rep1 * 1e-121 DNA fragmentation factor DREP-1 * 1e-08 cell death activator CIDE-A * 4e-09 cell death- inducing DFFA-like effector a c CG8357 48E2-48E2 dup:3/3 ID:101E9
CG6557	+ dock signal transduction * dock * 6e-06 YG3D YEAST HYPOTHETICAL 26.1 KD PROTEIN IN PAS5-CBF2 INTERGENIC
	REGION * 1e-157 SH2/SH3 adaptor protein * 4e-45 coded for by C. elegan[SH3DOMAIN // SH3 // NLS_BP // ATP_GTP_A]
CG3727	CG3727 LD42588 21D2-21D2 ID:101F2
	+ Pabp2 RNA_binding * HYPOTHETICAL 29.0 KD PROTEIN IN BET1-PAN1 INTERGENIC REGION(aa) * DMROX2Y_3 Rox2 *
CG2163	RNA binding protein(aa) * 3e-39 Similarity to Bovine Poly-A bind [RNP_1 // RBD // rrm] CG2163 LD42638 44A7-44A8 ID:101F6
	+ DNA_binding * X-linked nuclear protein(aa) * 8e-36 RA54_YEAST DNA REPAIR AND RECOMBINATION PROTEIN RAD54
	RAD5 * 7e-41 RAD54 * 1e-145 strong similarity to the SNF2 [helicase_C // SNF2_N // NLS_BP] CG4548 LD42659 96E-96E2
CG4548	dup:4/5 ID:101F7
	+ unknown * NORBIN(aa) * neurochondrin-2(aa) * BLASTX 1.4E-23 Rattus mRNA for NORBIN, complete cds.(dna) * 2e-76
CG2330	neurochondrin-1 (AB CG2330 LD42676 83F1-83F1 ID:101F8
000704	+ transcription_factor * zinc-finger-motif-protein * 1e-05 Bowel * 6e-05 predicted using Genefinder; similar to Zinc finger, C2H2
CG6791	type (7 * 5e-14 zinc finger protein - mo[zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG6791 87E1-87E1 dup:1/2 ID:101G3 + grp protein_kinase * 5e-08 Ssp31 protein kinase * 2e-54 Ser/Thr kinase * 5e-13 serine/threonine kinase * 7e-27 Chk1;
CG17161	checkpoint kinase [PROTEIN_KINASE_DOM // pkinase] CG17161 LD42896 36A6-36A7 ID:101G7
CG5522	+ GDP/GTP exchange factor for Ras GRF_CDC25, PH, PH_DOMAIN, RasGEF CG5522 dup:1/2 ID:101G8
000022	TODI 7011 Exchange factor for Nas GIVI _CDO23, FTI, FTI_DOMAIN, NasGEL CG0322 dup. 1/2 ID. 101G6

0010100	· CO10100 01010 01011111
	+ BcDNA:GM10765 DNA_repair_protein * 5e-15 RA27_YEAST STRUCTURE SPECIFIC ENDONUCLEASE RAD27 hypothet * 2e-
	20 by match; 1-match_accession=SWISS-PROT:P397 * 5e-13 similar to the [53EXO_N_DOMAIN // 53EXO_I_DOMAIN // XPG]
CG10670	CG10670 LD43032 64C12-64C12 ID:101H3
CG6325	+ unknown * [CYTOCHROME C] CG6325 LD43055 86A5-86A6 ID:101H9
CG5145	+ unknown * CG5145 LD43096 77C2-77C2 ID:102A2
	+ Chc transporter * DMCHC 2 Chc * CLH YEAST CLATHRIN HEAVY CHAIN clathrin heavy chain - y * CLH DROME
	CLATHRIN HEAVY CHAIN clathrin heavy chain - fr * CLH CAEEL PRO[RCC1 2 // Clathrin repeat // CLATHRIN R] CG9012
CG9012	LD43101 13F3-13F3 dup:1/3 ID:102A3
	+ structural_protein * 7e-07 DR48_YEAST DDR48 STRESS PROTEIN (DNA DAMAGE-RESPONSIVE PROTEIN 48) (DDRP
CG5787	48) (Y * 7e-07 M84D_DROME MALE SPECIFIC SPERM PROTEIN MST84DD testis- CG5787 LD43134 33F2-33F2 ID:102A8
	+ unknown * ecdysone receptor isoform A - fruit fly (Drosophila melanogaster) (fragment)(aa) * EcR-A=ecdysone receptor
CG8347	isoform melanogaster, Peptide Partial, * CG8347 LD43136 42A9-42A9 ID:102A9
	+ transcription_factor_binding * WD-repeat protein(aa) * 3e-05 YGA3_YEAST HYPOTHETICAL 62.8 KD TRP-ASP REPEATS
	CONTAINING PROTEIN IN PMC1-TFG2 * 1e-07 Method: conceptual translation [WD40_REGION // WD40] CG11330 LD43270
CG11330	26F5-26F6 ID:102B11
	+ DNA_binding * TPR protein(aa) * 6e-74 PR06_YEAST PRE-MRNA SPLICING FACTOR PRP6 pre-mRNA splicing * 2e-12
	62D9.a * 8e-08 contains similarity to multiple TPR domain [TPR_REGION // TPR_REPEAT // NLS_BP] CG6841 LD43276 75E2-
CG6841	75E3 ID:102B12
	+ enzyme * 1e-98 PERO_DROME PEROXIDASE PRECURSOR myeloperoxidase (EC 1.11. * 6e-87 similar to eosinophil
007000	peroxidase and myelo-peroxydase * 2e-65 PERT_MOUSE THY [ANPEROXIDASE // PEROXIDASE_3] CG7660 LD43174 90C-90
CG7660	ID:102B3
0044500	+ unknown * putative transposase(aa) * 3e-05 ORF1 * 2e-07 putative transposase * Hermes transposase [AMP_BINDING]
CG11560	CG11560 LD43225 68F3-68F3 ID:102B8 + Orc4 DNA_replication_factor * 56-kDa subunit of recognition complex (ORC); Orc4p(aa) * recognition complex subunit 4-relate
CG2917	protein Orp4p(aa) * recognition complex, subunit (yea [ATP_GTP_A2 // ATP_GTP_A] CG2917 LD43280 60D16-60D16 ID:102C1
002317	+ TRAP1 chaperone * heat shock protein 90(aa) * Hsp90-related protein TRAP1(aa) * 2e-55 HS82_YEAST HEAT SHOCK
	PROTEIN HSP82 heat shock protein * 1e-141 similar to heat [HEATSHOCK90 // HSP90] CG3152 LD43460 42B2-42B2 dup:2/2
CG3152	ID:102C12
CG10165	+ unknown * CG10165 LD43293 37F1-37F1 ID:102C2
0010100	+ chaperone * p58(aa) * 4e-05 probable membrane protein YLR080w - yeast (Saccharomyces cerevisiae) * 7e-84 Similarity to
CG6822	Xenopus P58 protein cDNA EST * 1e-104 man CG6822 LD43551 66D5-66D5 ID:102D10
	+ Rpli215 enzyme * DNA-DIRECTED RNA POLYMERASE II LARGEST SUBUNIT (VERSION 1)(aa) * DMRPRIIA 2 Rpli215 *
	DNA-DIRECTED RNA POLYMERASE II LARGEST SUBUNIT(aa) * RNA poly [RNA_POL_II_REPEAT] CG1554 LD43558 10C4-
0044	100F ID 100D 10

+ unknown * Similarity to pre-mRNA splicing factor; cDNA EST comes from this gene; cDNA EST yk236g11.3 comes from this gene; cDNA EST yk274g3.3 comes from this [NLS_BP] CG1420 LD43674 98F7-98F8 dup:2/2 ID:102E11

CG18459 54C10-54C10 ID:101H11

CG18459

CG1554

CG1420

10C5 ID:102D12

	+ structural_protein * 6E-55* 1e-06 R02F2.4 gene product * 2e-06 peritrophin * 7e-35 Gasp CG17052 LD43683 19C1-19C1
CG17052	dup:1/2 ID:102F1
0040=0	+ unc-119 unknown * 1e-124 UNC-119 * 3e-59 U119_CAEEL UNC-119 PROTEIN unc-119 protein - Caenorhabd * 2e-65 UNC-119
CG1659	* 2e-65 unc119 (C.elegans) homolog RETIN CG1659 LD43876 7A3-7A4 ID:102G3
CG1024	+ CG1024 dup:1/3 ID:102G9
	+ BcDNA:GM13640 enzyme * DNA primase, p58 subunit(aa) * putative dna primase large subunit(aa) * primase, polypeptide 2A
CG5553	(58kD)(aa) * PROBABLE DNA PRIMASE LARGE SUBUNIT(aa) CG5553 LD44074 77B4-77B4 ID:102H6
	+ enzyme * 3alpha-hydroxysteroid dehydrogenase (B-specific) (EC 1.1.1.50) - Pseudomonas sp. (strain * DMGLUTAC_9 Glt '
CG11005	DMADHA1_9 Adh * DMSCU scu [adh_short_C2 // GDHRDH // adh_short //] CG11005 LD44221 83B6-83B6 ID:103A10
000404	+ unknown * 8e-74 GPI3_YEAST N-ACETYLGLUCOSAMINYL-PHOSPHATIDYLINOSITOL BIOSYNTHETIC PROTEIN
CG6401	(GLCN * 6e-92 similar to phosphatidylinositol biosynthetic protein; [Glycos_transf_1] CG6401 LD44262 54E7-54E7 ID:103B2
000040	+ unknown * multispanning membrane protein (70kD)(aa) * 1e-107 probable membrane protein YDR107c - yeast
CG9318	(Saccharomyces cerevisiae) * strong similarity to Sacch CG9318 LD44273 38E3-38E4 ID:103B5
0040004	+ Cyp310a1cytochrome_P450 * cytochrome P450(aa) * DMLCPM Cyt-P450-rBF6-2 * 2e-29 cytochrome P450 monooxygenase *
CG10391	2e-17 similar to cytochrome P450 [EP450II // p450 // P450 // MITP450 // E] CG10391 LD44491 37A3-37A3 ID:103C12
0045500	+ hdc signal_transduction * cell cytoplasm) map_position:99F6-11 * 4e-98 hdc protein - fruit fly (Drosophila melanogaster) (Z *
CG15532	8e-11 similar to drosophila HCD protein * 1e-10 CG15532 LD44381 99F-99F3 dup:2/3 ID:103C5
0044700	+ unknown * tight junction protein (zona occludens 1)(aa) * TIGHT JUNCTION PROTEIN ZO-1 (TIGHT JUNCTION PROTEIN
CG11782	1)(aa) * 1e-05 ZO-1 MDCK * [NLS_BP] CG11782 LD44404 85B4-85B4 ID:103C6
	+ motor_protein * Nijmegen breakage syndrome (nibrin)(aa) * 2e-06 AMYH_YEAST GLUCOAMYLASE S1/S2 PRECURSOR
CG6754	(GLUCAN 1,4-ALPHA-GLUCOSIDASE) (1,4-ALPH * 1e-08 predicted u [FHA_DOMAIN // NLS_BP // FHA] CG6754 LD44438 67C-67C dup:1/2 ID:103C9
CG0754	+ Iswi DNA_binding * enzyme DNA dependent adenosinetriphosphatase) transcription factor binding transcription co-activator)
	map_position:72A3 * enzyme DNA dependent adenosinetriphosphatase / transcription ractor binding transcription co-activator / map_position:72A3 * enzyme DNA dependent ad [helicase_C // SNF2_N // NLS_BP // ATP_G] CG8625 LD44594 49B6-49B7
CG8625	ID:103D12
000020	+ enzyme * DMANKY_5 Ank * calcium-independent phospholipase A2(aa) * Ca2+-independent phospholipase A2(aa) * 1e-0
CG6718	ankyrin ankyrin m [ANK REP // ank // ANK REP REGION] CG6718 LD44515 67C2-67C2 dup:2/2 ID:103D4
CG7832	+ unknown * [NLS BP // ANTIFREEZEI] CG7832 LD44696 88C10-88C10 dup:3/3 ID:103E7
007032	+ Rab8 cell_cycle_regulator * Rab8 * rab8(aa) * rab1(aa) * 4e-55 SEC4_YEAST RAS-RELATED PROTEIN SEC4 GTP-binding
CG8287	protein SE [SIGMA54_INTERACT_1 // PRENYLATION // ra] CG8287 LD44762 76D5-76D5 ID:103F1
000201	+ unknown * /match=(desc:; /match=(desc:(aa) * 8e-07 hypothetical protein YLR281c - yeast (Saccharomyces cerevisiae) (U
CG3767	7e-10 /match=(desc:; /ma * 7e-08 RF2_H [RF-1] CG3767 LD44791 53A2-53A2 ID:103F5
CG7347	+ motor_protein * 8e-05 myosin heavy chain * * [PRO_RICH] CG7347 LD44887 75B10-75B10 ID:103G1
001041	+ enzyme * 3e-35 PLSC YEAST PROBABLE 1-ACYL-SN-GLYCEROL-3-PHOSPHATE ACYLTRANSFERASE (1-AGP
	ACYLTR * 2e-37 1-acylglycerol-3-phosphate O-acyltransferase melan * [GLYCEROL ACYLTRANS] CG3812 LD44987 11B19-
CG3812	11B19 ID:103G11
CG6912	+ unknown * CG6912 LD45181 88E4-88E4 ID:103H11
0000.2	

	+ RpL1 ribosomal_protein * DMRPL1R_2 RpL1 * 60S RIBOSOMAL PROTEIN L1 (L4)(aa) * PROBABLE 60S RIBOSOMAL
	PROTEIN L1(aa) * 1e-90 RL2A_YEAST 60S RIBOSOMAL PROTEIN L2A (RP2) riboso [RIBOSOMAL_L1E // NLS_BP //
CG5502	Ribosomal_L4] CG5502 98B2-98B2 dup:2/3 ID:103H6
CG17686	+ DIP1 RNA_binding * [NLS_BP // DSRBD] CG17686 LD45242 cyto_unknown dup:1/2 ID:104A6
CG17469	+ unknown * 1E-123* * CG17469 LD45277 102E2-102E3 dup:2/2 ID:104B4
CG10825	+ unknown * [NLS_BP] CG10825 LD45317 95F1-95F1 ID:104B8
004500	+ transcription_factor_binding * CHROMATIN ASSEMBLY FACTOR P55 SUBUNIT (CAF-1 P55 SUBUNIT) (DCAF-1)(aa) * SULFUR CONTROLLER-2 (SCON2)(aa) * putative WD-repeat containing prote[WD40_REGION // WD_REPEATS // WD40]
CG1523	CG1523 LD45447 98E4-98E4 ID:104C10
CG9411	 + ion_channel * HISTIDINE-RICH GLYCOPROTEIN PRECURSOR(aa) * histidine-rich protein - Plasmodium lophurae (fragment) hi * [PRO_RICH] CG9411 LD45449 12E8-12E8 ID:104C11
CG9411	+ unknown * R07E5.1 protein (clone R07E5) - Caenorhabditis elegans(aa) * 7e-49 inserted at base Both 5' and 3' ends of P
CG8833	element Inverse PCR * cDNA EST comes fr [PRO_RICH // D111_DOMAIN // NLS_BP] CG8833 LD45361 74B1-74B1 ID:104C2
000000	+ signal_transduction * Plenty of SH3s; POSH(aa) * 5e-09 hypothetical protein YHR016c - yeast (Saccharomyces cerevisiae)
	(U1 * 4e-05 DRK_DROME PROTEIN E(SEV)2B (SH2-SH3 A[zf-C3HC4 // ZINC_FINGER_C3HC4 // P67PHO] CG4909 LD45365
CG4909	54D1-54D1 ID:104C3
	+ * 5e-70 CY1_YEAST CYTOCHROME C1, HEME PROTEIN PRECURSOR ubiquinol- * 5e-65 similar to cytochrome C1,
	heme protein; cDNA EST comes * 2e-83 cytochrome c [CYTOCHROMEC1 // CYTOCHROME_C] CG4769 64D3-64D3 dup:1/2
CG4769	ID:104C4
0040004	+ unknown * BLASTX 6.9E-07 YJL064W Protein of unknown function(dna) * BLASTX 8.2E-11 G.gallus PR264 mRNA.(dna) *
CG10084	2e-17 No definition line found * [ZF_CCCH // NLS_BP] CG10084 LD45403 37E5-37E5 dup:2/3 ID:104C7
	+ transmembrane_receptor * HYPOTHETICAL PROTEIN * cysteine-rich protein (intestinal)(aa) * 4e-09 MLP2_DROME MUSCLE LIM PROTEIN MLP84B muscle L * 4e-18 gene product [LIM_DOMAIN_1 // LIM_/ LIM_DOMAIN_2 //] CG4656 LD4553{
CG4656	94E-94E dup:2/2 ID:104D3
CG4030 CG18638	+ CG18638 36A7-36A7 ID:104D7
CG 10030	+ cell_adhesion * 2e-09 SLIT_DROME SLIT PROTEIN PRECURSOR slit protein precurso * 2e-06 coded for by C. elegans
CG17667	cDNA yk133e1.5; coded for by C. elegans cDNA yk133d4.5 [LRR] CG17667 LD45603 69E1-69E2 dup:2/2 ID:104E3
	+ up ligand_binding_or_carrier * DMTROPT_2 up * clot.789(dna)* 1e-112 troponin T - fruit fly (Drosophila melanogaster) * 4e-2
	TRT_CAEEL TROPONIN T coded for by C. elegans cDNA yk7 [Troponin // NLS_BP] CG7107 LD45641 12A2-12A4 dup:2/2
CG7107	ID:104E5
	+ endopeptidase * autoantigen(aa) * 1e-67 Ki antigen PA2 * 3e-65 Ki nuclear autoantigen - human Ki nuclear autoantigen *
CG1591	IGUP_HUMAN INTERFERON GAMMA UP-REGULATED PR CG1591 LD45860 11D10-11D10 dup:2/2 ID:104F11
	+ motor_protein * protein(aa) * stromal interaction molecule 1(aa) * 2e-53 cDNA EST comes from this gene; cDNA EST co *
CG9126	1e-90 stromal cell protein [SAM_DOMAIN] CG9126 LD45776 13F14-13F14 ID:104F8
	+ enzyme * CHOLINEPHOSPHATE CYTIDYLYLTRANSFERASE (PHOSPHORYLCHOLINE TRANSFERASE) (CT)(aa) *
CG1049	phosphate cytidylyltransferase 1, choline, alpha isoform(aa) * 2e-5 [TONB_DEPENDENT_REC_1 // Cytidylyltransf] CG1049
CG 1049	LD46058 62A6-62A6 dup:2/2 ID:104H10

CG10527	57B20-57B20 ID:105A6
	+ transporter * atopy related autoantigen CALC(aa) * 4e-27 predicted using Genefinder; similar to EF hand (2 domains) * 2e-9
CG4495	atopy related autoantigen CALC * 2e-40 [EF_HAND // efhand // EF_HAND_2] CG4495 LD46238 27E3-27E3 ID:105B3
	+ transcription_factor * 6e-14 YJF6_YEAST HYPOTHETICAL 98.9 KD ZINC FINGER PROTEIN IN BTN1-PEP8 INTERGENIC
	REG * 1e-18 SUHW_DROME SUPPRESSOR OF HAIRY WING PROTEIN Hw s * [zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN]
CG12942	CG12942 LD46263 47C6-47C6 ID:105B5
	+ actin_binding * talin(aa) * 7e-11 cytoskeleton assembly control protein SLA2 - yeast (Saccharomyces cerevisiae) * 8e-08
CG6831	merlin * talin [BAND_41_1 // Band_41 // BAND_41_3 // PR] CG6831 LD46304 66D6-66D6 dup:1/2 ID:105B9
	+ enzyme * similar to tumor suppressor p33ING1; similar to * Unknown protein(aa) * 5e-17 YNJ7_YEAST HYPOTHETICAL
CG9293	37.0 KD PROTEIN IN RAS2-YPT53 INTERGENIC REGI [PHD // NLS_BP] CG9293 LD46333 34B6-34B6 ID:105C2
	+ qkr58E-3RNA_binding * QKR58E-3(aa) * qrk58E-3 * 7e-13 hypothetical protein YLR116w - yeast (Saccharomyces cerevisiae) (
CG3584	5e-21 similar to GAP-associated tyrosine phosph [KH-domain // KH_DOMAIN] CG3584 LD46502 58D7-58D8 ID:105D8
	+ EG:52C10.5 enzyme * 3e-54 FAB1_YEAST PROBABLE PHOSPHATIDYLINOSITOL-4-PHOSPHATE 5-KINASE FAB1 (1-
	PHOSPHATID * by content; 1-meth * 8e-60 similar to FYVE zinc finger; cDN [DEP_DOMAIN // FYVE_DOMAIN // FYVE // ZI]
CG6355	CG6355 LD46512 54E9-54E9 dup:2/3 ID:105D9
	+ hep protein_kinase * MAP kinase kinase(aa) * Mkk4 * hep * 2e-46 polymyxin B resistance protein PBS2 - yeast
	(Saccharomyces cerevisiae) [PROTEIN_KINASE_ST // PROTEIN_KINASE_DOM] CG4353 LD46661 11D5-11D6 dup:3/3
CG4353	ID:105E10
	+ unknown * Weak similarity to Yeast hypothetical protein * 1e-32 Weak similarity to Yeast hypothetical protein * *
CG10053	[D111_DOMAIN // NLS_BP] CG10053 LD46678 84C7-84C7 dup:2/2 ID:105E12
	+ cytoskeletal_structural_protein * protein(aa) * similar to ankyrin motifs; cDNA EST CEMSH89F comes from this gene; cDNA
	EST CEMSH89R comes from this gene; cDNA E[ANK_REP // ank // ANK_REP_REGION // PRE] CG6896 LD46604 75D2-75D2
CG6896	dup:2/2 ID:105E5
CG5877	+ unknown * CG5877 13B9-13B9 ID:105F1
	+ structural_protein * 6e-14 CUP7_DROME PUPAL CUTICLE PROTEIN EDG-78 PRECURSOR ecdyson * 2e-28
	CUD4_LOCMI ENDOCUTICLE STRUCTURAL GLYCOPROTEIN (ABD-4A) g * 7e-16 DMEDG78B_2 [CUTICLE // insect_cuticle]
CG8505	CG8505 49A3-49A3 ID:105F10
	+ Gdi signal_transduction * 1e-135 GDI1_YEAST SECRETORY PATHWAY GDP DISSOCIATION INHIBITOR G * GDP
004400	dissociation inhibitor - fruit fly (Drosophila melanogaster) * Guanine nucleo [RABGDIREP // RABGDI // GDI] CG4422 LD46767
CG4422	30B8-30B9 ID:105F11
	+ chaperone * 2e-09 Similarity to Rat peroxisome assembly factor-1 (SW:PAF1_RAT) * 1e-33 peroxisome membrane protein

CG10527

CG7081

ID:104H2

57B20-57B20 ID:105A6

dup:2/2 ID:105F3

+ DNApol-alpha50 DNA_replication_factor * DMDPRI_2 DNApol- agr;50 * 8e-62 p48 DNA primase (AA 1-409) * PRI1_DROME DNA PRIMASE SMALL SUBUNIT (DNA PRIMASE KD SUBUNIT) (DNA POLYMERAS * 3e-64 N CG7108 LD46032 66C8-66C8

PEX2 * 4e-32 peroxisomal membrane protein (35 [zf-C3HC4 // ZINC_FINGER_C3HC4 // ZF_RIN] CG7081 LD46714 66C8-66C8

unknown * farnesoic acid o-methyltransferase(aa) * 2e-21 farnesoic acid o-methyltransferase farne * CG10527 LD46156

	+ motor_protein * DMBNBR_2 bnb * mu2 * 1e-07 RRP1_DROME RECOMBINATION REPAIR PROTEIN (DNA-(APURINIC
CG14896	OR APYRIMIDINIC SITE) L * 2e-21 C. elegans UNC-89 CG14896 LD46725 89C4-89C4 dup:1/3 ID:105F5
CG9878	+ Tim10 unknown * small zinc finger-like protein(aa) * small zinc finger-like protein(aa) * small zinc finger-like protein(aa) * 5e-10 hypothetical protein YHR004c-a CG9878 LD46744 57F8-57F8 dup:2/2 ID:105F7
003070	+ nucleic_acid_binding * 2e-08 SFP1 * 3e-06 zinc-finger protein Pur-1 - mouse * 3e-06 MAZ * 3e-06 serum amyloid A-
CG12054	activating factor SAF-8 [zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG12054 LD46863 100B9-100B9 dup:1/2 ID:105G10
CG3305	+ structural_protein * CG3305 LD46816 39E2-39E2 ID:105G3
	+ Dak1 adenylate_kinase * 1e-42 UMPK_YEAST URIDYLATE KINASE (UK) (URIDINE MONOPHOSPHATE KINASE) (UMP
CG6092	KINASE) * 3e-55 predicted using Genefinder; Similarity to Pig UMP-CMP kin [ADENYLATE_KINASE // adenylatekinase //] CG609 LD46840 96F12-96F12 ID:105G6
CG0092	+ chaperone * TFIIIC alpha subunit(aa) * 1e-07 precursor TRG1 protein * 6e-17 D-ERp60=protein disulphide isomerase
CG7099	isoform/multifunctional endoplasmic retic * 2e- CG7099 34B6-34B6 ID:105G9
	+ transporter * 3e-26 GLO3 * 4e-23 putative ARF1 GTPase activating protein * 1e-79 YQP4_CAEEL HYPOTHETICAL 127.4
00000	KD PROTEIN F07F6.4 IN CHROMOSOME III (* 3e-09 ADP- [ArfGap // ZF_GCS // REVINTRACTNG] CG6838 LD46935 79F2-
CG6838	79F2 ID:105H4 + I(3)mbt transcription_factor * tumor-supressor(aa) * DMMBT163 I(3)mbt * tumor-supressor * 2e-18 predicted using Genefinder;
CG5954	cDNA EST yk292d9.5 comes from this gen [NLS_BP] CG5954 LD46950 97F4-97F4 ID:105H7
CG8320	+ CG8320 ID:105H9
	+ signal_transduction * 5e-48 pdb 1GKY Guanylate Kinase (E.C.2.7.4.8) Complex With Guanosine Monophosphate * 2e-19
CG7983	DLG1_DROME LETHAL(1)DISCS LARGE-1 TUMOR SUPPRESSOR PROTE [PRO_RICH] CG7983 LD47023 67E5-67E5 ID:106A2
CG1903	+ endopeptidase * DMEAST_4 ea * zgr;Try * SERINE PROTEASE EASTER PRECURSOR(aa) * 5e-24 PRTC_MOUSE
	VITAMIN-K DEPENDENT PROTEIN C PRECURSOR (AUTOPROTHROMBIN IIA) (A[trypsin // CHYMOTRYPSIN // TRYPSIN_SE
CG16705] CG16705 LD47115 97D8-97D8 dup:1/2 ID:106A7
0044207	+ unknown * clot.672(dna)* 7e-07 YEQ8_YEAST HYPOTHETICAL 58.0 KD PEPTIDASE IN PTP3-ILV1 INTERGENIC
CG11367	REGION * 5e-08 similar to the peptidase family M24B * 3e-12 CG11367 LD47277 79F2-79F2 dup:2/2 ID:106B10 + chaperone * 2e-11 SCJ1_YEAST SCJ1 PROTEIN SCJ1 protein - yeast (Saccharomyce * 6e-11 Tid(56) protein - fruit fly
CG8448	(Drosophila melanogaster) * 2e-07 similar to DN [DNAJ_1 // DnaJ // DNAJ_2] CG8448 LD47190 52F8-52F9 dup:1/2 ID:106B3
	+ baz ion_channel * BLASTX 4.2E-06 Human super cysteine rich protein mRNA, partial cds.(dna) * Bazooka protein(aa) * baz *
CG5055	6e-07 similar to lethal(1) discs large-1 tum [PDZ // PRO_RICH // ATP_GTP_A] CG5055 LD47216 15E1-15E5 dup:2/3 ID:106B4
CG10255	+ cell_adhesion * 6e-23 adenylate cyclase * 2e-24 flightless-I unkn * 1e-40 Ras-binding protein SUR-8 leuc * 3e-44 Ras-binding protein SUR-8 [LRR // LEURICHRPT // PDZ // NLS_BP] CG10255 LD47229 51D6-51D6 dup:1/2 ID:106B6
CG 10255	+ unknown * calcium-regulated heat stable protein CRHSP-24(aa) * calcium-regulated heat stable protein CRHSP-24(aa) *
CG9705	RNA-binding protein PIPPin - rat PIPPin pr [CSD] CG9705 LD47312 73C-73C ID:106C2
	+ motor_protein * DMMHC95F Mhc95F * myosin-A(aa) * 1e-65 MYS2_YEAST MYOSIN-2 ISOFORM myosin MYO2 - yeast
CG10595	(Saccharo * 2e-68 myosin V [myosin_head // MYOSINHEAVY // ATP_GTP_A] CG10595 LD47348 29D1-29D1 ID:106C4
CG4700	+ Sema-2a unknown * semaphorin II precursor - fruit fly (Drosophila melanogaster)(aa) * semaphorin-like * semaphorin 2a

	precursor(aa) * DMDSEM_2 sema-I CG4700 LD47367 53C4-53C ID:106C6
000070	+ ligand_binding_or_carrier * Rab2 * BACR37P7.a(aa) * 5e-33 YP51_YEAST GTP-BINDING PROTEIN YPT51/VPS21 GTP-
CG3870	binding pr * 7e-28 rab1 [ras // ATP_GTP_A // RASTRNSFRMNG] CG3870 LD47384 59E-59E ID:106C7
CG1103	 unknown * CG1103 LD47387 82A6-82A6 ID:106C8 unknown * C26E6.5 gene product(aa) * 1e-36 C9 * 2e-38 C9 * [SPRY_DOMAIN // WD_REPEATS // GAMMA_CARB]
CG4643	CG4643 LD47425 49F13-49F13 ID:106D4
CG4037	+ DNA_binding * [NLS_BP] CG4037 LD47433 49F8-49F9 ID:106D5
004037	+ Gs1 enzyme * glutamate-ammonia ligase (glutamine synthase)(aa) * GLUTAMINE SYNTHETASE 2, CYTOPLASMIC
	(GLUTAMATEAMMONIA LIGASE 2)(aa) * predicted using Genefind [GLNA_1 // gln-synt // GLNA_ATP] CG2718 LD47536 21B-
CG2718	21B dup:4/4 ID:106E11
	+ Dbp45A RNA_binding * DMDBP45A_18 Dbp45A * probable ATP-dependent RNA helicase Dbp45A - fruit fly (Drosophila
CG12759	melanogaster)(aa) * 1e-77 DBP8_YEAST PROBABLE ATP-DEPEND[helicase_C // ALDEHYDE_DEHYDR_CYS // HE] CG12759 LD47509 45A11-45A11 dup:3/3 ID:106E5
	+ signal_transduction * 1e-71 YG4C_YEAST HYPOTHETICAL 89.4 KD TRP-ASP REPEATS CONTAINING PROTEIN IN
	PMT6-PCT1 * 7e-09 Lis1 homolog * 8e-08 YKY4_CAEEL HYPOTHETICAL[GPROTEINBRPT // WD40_REGION // WD_REPEA]
CG11887	CG11887 LD47515 47B1-47B1 dup:3/3 ID:106E6
CG2182	+ unknown * [NLS_BP] CG2182 LD47517 83B7-83B7 dup:3/3 ID:106E7
CG8600	+ unknown * CG8600 LD47606 65F2-65F2 ID:106F12
	+ peptidase * VITELLOGENIC CARBOXYPEPTIDASE PRECURSOR(aa) * Probable serine-type carboxypeptidase (EC
004570	3.4.16.1); Ybr139wp(aa) * Similarity to Human lysosomal pro [CARBOXYPEPT_SER_SER // CARBOXYPEPT_SER_] CG4572
CG4572	LD47549 92B6-92B6 ID:106F2
CG13852	+ unknown * CG13852 LD47553 96E1-96E1 ID:106F5
	+ motor_protein * KINESIN CENTRAL MOTOR (XKCM1)(aa) * kinesin heavy chain member 2(aa) * kinesin-like (mitotic centromere-associated kinesin)(aa) * kinesin heavy c[kinesin // KINESIN_MOTOR_DOMAIN1 // KIN] CG1453 LD47558 10A6-10A8
CG1453	dup:2/2 ID:106F6
001400	+ transcription_factor_binding * hypothetical protein(aa) * 2e-05 serine-threonine kinase receptor-associated protein * 2e-05
CG5632	WD-40 repeat protein * 3e-05 DMEST6P_15 Est-P [WD40_REGION // WD40] CG5632 LD47568 68F8-68F8 dup:1/2 ID:106F8
	+ stg protein_tyrosine_phosphatase * DMCDC25_2 stg * 3e-21 MPIP_YEAST M-PHASE INDUCER PHOSPHATASE (MITOSIS
	INITIATION PROTEIN MIH1) (MITOT * cdc25 protein - fruit fly (D[Rhodanese // RHODANESE // MPIPHPHTASE] CG1395
CG1395	LD47579 99A5-99A6 dup:3/3 ID:106F9
	+ motor_protein * 2e-11 C15H9.4 gene product * 8e-43 protein * protein * chromosome X open reading frame TEX28
CG1021	[ANTIFREEZEI] CG1021 LD47668 84A4-84A4 ID:106G10
004000	+ ea endopeptidase * DMEAST_4 ea * SERINE PROTEASE EASTER PRECURSOR(aa) * 5e-20 kallikrein * 8e-29 airway
CG4920	trypsin-like protease a [ANTENNAPEDIA // trypsin // CHYMOTRYPSIN] CG4920 LD47701 90E1-90E1 ID:106G12 + unknown * 3e-13 protein phosphatase 1, regulatory subunit FB19 prot * 7e-13 putative protein phosphatase nuclear targetin
CG4124	subunit * [NLS_BP] CG4124 LD47649 21E3-21D3 dup:1/3 ID:106G8
004124	3ubunit [14L0_bi] 00+124 Lb4/048 21L3-21b3 dup. 1/3 lb. 10000

	+ unknown * 5e-14 /match=(desc: * 6e-43 weak similarity to drosophila tyrosine kinase ele * 5e-23 The gene is expressed
0045707	ubiquitously.; The protein * 1e-20 caffe [PAP_ASSOCIATED // PAP_CORE // PAP // PR] CG15737 LD47659 10F5-10F6 dup:1/2
CG15737	ID:106G9 + unknown * cDNA EST comes from this gene; cDNA EST comes from this gene(aa) * huntingtin interacting protein HYPE(aa
CG9523	+ unknown * cDNA EST comes from this gene; cDNA EST comes from this gene(aa) * huntingtin interacting protein HYPE(aa * 9e-84 cDNA EST comes from this gene; c [TPR_REGION // TPR_REPEAT] CG9523 LD47713 26D3-26D3 ID:106H2
CG4768	
CG4700	+ unknown * [NLS_BP] CG4768 LD47733 15A5-15A6 dup:1/2 ID:106H7 + Sodh-2 enzyme * Sodh-1 * sorbitol dehydrogenase(aa) * 2e-76 DHSO_YEAST SORBITOL DEHYDROGENASE (L-IDITOL 2-
	DEHYDROGENASE) * 1e-100 similar to sorbitol dehydrogenase [adh_zinc // ADH_ZINC // NAD_BINDING] CG4649 LD47736
CG4649	86C7-86C7 ID:106H8
00-10-10	+ Cp1 endopeptidase * cysteine proteinase cysteine * 1e-99 predicted using Genefinder; similar to cathepsin-like protease; cD *
	1e-99 CATL_MOUSE CATHEPSIN L PRECURSOR (MA [THIOL_PROTEASE_CYS // PAPAIN // Peptida] CG6692 50C20-50C20
CG6692	dup:2/3 ID:107A7
CG18543	+ unknown * CG18543 LD47919 66C12-66C12 ID:107B1
	+ cup unknown * cup * cup * cup * 1e-113 inserted at base 5' end of P element Inverse PCR [PRO_RICH // NLS_BP] CG11181
CG11181	LD47924 26F3-26F5 dup:2/2 ID:107B2
	+ enzyme * acid phosphatase (EC 3.1.3.2) Acph-1 precursor, lysosomal - fruit fly (Drosophila melanogaster)(aa) * 4e-56
	PPAY_CAEEL PUTATIVE ACID PHOSPHATASE PRE [HIS_ACID_PHOSPHAT_1 // HIS_ACID_PHOSPHA] CG7899 LD47943
CG7899	99D3-99D3 dup:2/2 ID:107B5
000000	+ unknown * 5e-20 YNZ5_YEAST HYPOTHETICAL 17.1 KD PROTEIN IN SIP3-MRPL30 INTERGENIC REGION * 3e-12 RN
CG3800	helicase * 2e-25 cellular nucleic acid binding protein cl [ZF_CCHC // zf-CCHC] CG3800 LD48005 59B6-59B6 ID:107C1
	+ enzyme * CtBP * Ygl185cp(aa) * C-terminal binding protein(aa) * 5e-31 YN14_YEAST HYPOTHETICAL 38.8 KD PROTEIN IN MET2-SEC2 INTERGENIC REGION [D 2 HYDROXYACID DH 3 // 2-Hacid DH] CG1236 LD48009 83C1-83C1 dup:2/2
CG1236	IN MET2-3EC2 INTERGENIC REGION [D_2_HTDROXTACID_DH_3 // 2-Hacid_DH] CG1230 LD46009 63C1-63C1 dup.2/2 ID:107C3
CG 1230	+ enzyme * MALEYLACETOACETATE ISOMERASE (MAAI)(aa) * glutathione transferase zeta 1(aa) * similar to glutathione S
CG9362	transferase(aa) * 9e-06 glutathione transfer [GST] CG9362 LD48010 85D18-85D18 ID:107C4
000002	+ protein_phosphatase * myotubularin related protein 1(aa) * 3e-14 YJ80_YEAST HYPOTHETICAL 80.2 KD PROTEIN IN
CG5026	CPA2-NNF1 INTERGENIC REGION * 2e-19 SET domain binding factor CG5026 LD48015 66E5-66E5 ID:107C5
	+ shg cell_adhesion * DMDACHSOU_2 ds * EPITHELIAL-CADHERIN PRECURSOR (E-CADHERIN) (LIVER CELL ADHESION
	MOLECULE) (L-CAM)(aa) * DE-cadherin(aa) * DMDEC_1 shg [EGF_1 // EGF_2 // LAM_G_DOMAIN // Cadhe] CG3722 LP01248
CG3722	57B19-57B20 ID:107D10
CG12237	 unknown * 8e-24 putative phosphatase * * CG12237 LP01149 18D10-18D10 ID:107D4
	+ enzyme * 1e-110 ecto-5'-nucleotidase * 1e-109 5' nucleotidase (CD73) 5'-NUCLEOTID * 1e-143 putative 5'-nucleotidase *
CG4837	ecto-5'-nucleotidase [PHOSPHO_ESTER // 5_nucleotidase // 5_NU] CG4837 LP01187 54C7-54C7 ID:107D6
CG12104	+ unknown * 4e-11 protein * protein * CAGF9 * [HMG // HMG_box] CG12104 LP01188 62A-62A ID:107D7
	+ transporter * 9e-23 probable membrane protein YPR011c - yeast (Saccharomyces cerevisiae) * 2e-07 colt * 2e-39 Similar to
CG6608	mitochondrial carrier protein * 6e-15 bra [mito_carr // MITOCARRIER // MITOCH_CARR] CG6608 LP01207 86C7-86C7 ID:107D8
CG4664	+ CG4664 dup:2/2 ID:107E12

CG1153	+ unknown * CG1153 LP01348 83E2-83E2 dup:2/2 ID:107E8
CG9682	+ unknown * CG9682 LP01629 99E5-99E5 dup:3/4 ID:107F10
	+ enzyme * 1e-107 ecto-5'-nucleotidase * 1e-105 5' nucleotidase (CD73) 5'-NUCLEOTID * 1e-132 putative 5'-nucleotidase *
CG4827	3e-08 inserted at base 5' end of P elem [PHOSPHO_ESTER // 5_nucleotidase // 5_NU] CG4827 LP01562 54C6-54C6 ID:107F5
	+ transmembrane_receptor * 2e-08 /match=(desc: * 6e-55 predicted using Genefinder * No definition line found * predicted
CG14205	using Genefinder CG14205 LP01839 18D7-18D7 ID:107G10
	+ Lcp1 structural_protein * 9e-53 CLP1_DROME LARVAL CUTICLE PROTEIN I PRECURSOR cuticle prot * 1e-35 larval cuticle
CG11650	protein 1, LCP1=Lcp1 gene product {Y allele} miranda * 4e-53 [CUTICLE // insect_cuticle] CG11650 LP01670 44C1-44C1 ID:107G
	+ Lnk signal_transduction * 3e-08 corkscrew protein 4A * 5e-61 Pro-rich, PH, SH2 domain-containing signaling mediator * 9e-63
CG17367	hypothetical protein [SH2DOMAIN // SH2 // PH_DOMAIN] CG17367 LP01675 96F7-96F ID:107G3
	+ EG:34F3.7 enzyme * DOLICHYL-PHOSPHATE-MANNOSEPROTEIN MANNOSYLTRANSFERASE 1(aa) * BLASTX 2.9E-25
CG12311	PMT4 Mannosyltransferase (dolichyl phosphate-D-mannose:protein O-D-ma CG12311 LP01681 1C2-1C2 ID:107G4
	+ Lcp65Ag1structural_protein * Lcp65Ag1 * 3e-44 cuticle protein LCP65Ag1 cuticle * 1e-30 cuticle homolog * CU15_MANSE
CG10530	CUTICLE PROTEIN CP14.6 PRECURSOR (MSCP14.6) cut [CUTICLE // insect_cuticle] CG10530 LP01749 65A-65A ID:107G7
	 motor_protein * 6e-23 ARP5_YEAST ACTIN-LIKE PROTEIN ARP5 probable nuclear pro * 2e-12 ACTU_DROME ACTIN-
CG12321	LIKE PROTEIN 13E actin-related protein * 6e-11 similar to Act CG12321 LP02120 90E6-90E6 ID:107H11
	+ ribosomal_protein * MITOCHONDRIAL 60S RIBOSOMAL PROTEIN L3(aa) * 8e-35 RM09_YEAST MITOCHONDRIAL 60S
	RIBOSOMAL PROTEIN L9 PRECURSOR (YML9) * 3e-40 RM03_CAEEL PUTATIVE MI [Ribosomal_L3] CG8288 LP01949 13E18
CG8288	13E18 ID:107H3
	+ transcription_factor * LIM-domain protein LMP-1(aa) * 6e-06 LRG1 * 7e-15 PINCH * 1e-18 UN97_CAEEL HOMEOBOX
	PROTEIN UNC-97 contains two LIM domain [LIM_DOMAIN_1 // LIM // LIM_DOMAIN_2] CG8242 LP02021 52C7-52C7 dup:3/3
CG8242	ID:107H6
CG18179	+ unknown * CG18179 LP02275 67B-67B ID:108A4
CG13388	+ Akap200 signal_transduction * [PRO_RICH // NLS_BP] CG13388 29C1-29C3 dup:1/2 ID:108A9
CG18317	+ unknown * CG18317 LP02521 22B1-22F3 ID:108B1
	+ ligand_binding_or_carrier * 9e-14 accessory gland protein Acp29AB * 1e-07 coded for by C. elegans cDNA CEESH64R;
	coded for by C. elegans cDNA CEMSH13F; co * 8e-06 MABA_MOUSE MA [lectin_c // C_TYPE_LECTIN_2] CG15818 LP02603
CG15818	27F6-27F6 ID:108B6
	+ endopeptidase serine proteinase (EC 3.4.21) 2 precursor - fruit fly CHYMOTRYPSIN,TRYPSIN_CATAL, TRYPSIN_SER,]
CG10475	CG10475 ID:108C1
	+ peptidase * 1e-109 AAP1_YEAST ALANINE/ARGININE AMINOPEPTIDASE aminopeptidase * 1e-121 F49E8.3 gene
	product * 1e-175 AMPE_MOUSE GLUTAMYL AMINOPEPTIDASE (EAP) (AM [ALADIPTASE // Peptidase_M1 // ZINC_PROT]

+ ligand_binding_or_carrier * Pen * 1e-107 IMA1_YEAST IMPORTIN ALPHA SUBUNIT (KARYOPHERIN ALPHA SUBUNIT) (SERINE-RICH RNA P * overgrown hematopoietic organs-31 tumor suppressor O [ARM_REPEAT // Armadillo_seg] CG4799

CG8773 LP02833 87E5-87E5 ID:108C3

unknown * CG18546 LP02835 87A6-87A6 ID:108C4

CG8773 CG18546

CG13330	 unknown * [NLS_BP] CG13330 50B2-50B2 dup:1/2 ID:108D11 + Ald enzyme * plastidic aldolase(aa) * ALDOLASE-RELATED PROTEIN(aa) * DMALD_10 Ald * 1e-118 similar to Fructose-
	bisphosphate aldolase class-I; cDNA EST yk252e [glycolytic_enzy // ALDOLASE_CLASS_I //] CG6058 LP03138 97A6-97A6
CG6058	dup:4/4 ID:108D12
	+ lqf unknown * EH domain binding protein epsin 2(aa) * mitotic phosphoprotein 90(aa) * 1e-31 hypothetical protein YDL161w -
CG8532	yeast (Saccharomyces cerevisiae) * 1e- [ENTH] CG8532 LP03068 66A-66A3 dup:2/2 ID:108D4
	+ protein_kinase * DMCDK46_3 Cdk4/6 * DMCDK5_3 Cdk5 * SNF1A * DMMAPKIN_4 rl [LDLRA_2 //
CG8250	RECEPTOR_TYR_KIN_II // PROTE] CG8250 LP03070 53C10-53C11 ID:108D5
000050	+ enzyme * hypothetical protein - human(aa) * putative ubiquitin ligase(aa) * putative ubiquitin transferase(aa) * hect-domain-
CG3356	containing protein, containing k [HECT_DOMAIN // HECT // CYTOCHROME_C] CG3356 LP03102 60B11-60B11 ID:108D6
	+ protein_kinase * SERINE/THREONINE-PROTEIN KINASE UNC-51(aa) * 5e-35 APG1_YEAST AUTOPHAGY SERINE/THREONINE-PROTEIN KINASE APG1 * 3e-24 p90 ribosomal S6 kinase * [PROTEIN_KINASE_ST // TYRKINASE //
CG10967	PROTE CG10967 LP03175 69E1-69E2 dup:2/2 ID:108E3
CG 10907	+ unknown * predicted using Genefinder; similar to GNS1/SUR4 family; cDNA EST comes from this gene(aa) * CGI-88
CG5326	protein(aa) * 9e-15 SUR4_YEAST SUR4 PROTEIN (SRE CG5326 LP03255 94B5-94B5 dup:2/2 ID:108E4
000020	+ caup transcription_factor * DMCAUP_2 caup * 2e-07 CUP9_YEAST HOMEOBOX PROTEIN CUP9 copper homeostasis pro *
	CAUP_DROME HOMEOBOX PROTEIN CAUPOLICAN caupo * 2e-24 IRXH_[HOMEOBOX_1 // homeobox // HOMEOBOX_2]
CG10605	CG10605 LP03275 69C9-69C11 dup:2/2 ID:108E8
	+ enzyme * 1e-152 Naglu * 1e-153 N-acetylglucosaminidase, alpha- (Sanfilippo disease IIIB) * 1e-113 alpha-N-
CG13397	acetylglucosaminidase * alpha-N-acetylglucosaminida CG13397 LP03571 29C1-29C1 ID:108F10
	+ enzyme * hydroxysteroid (17-beta) dehydrogenase 4(aa) * peroxisomal multifunctional beta-oxidation protein; Fox2p(aa) *
	ESTRADIOL BETA-DEHYDROGENASE (17-BETA [GDHRDH // adh_short // ADH_SHORT // THI] CG3415 LP03478 14B11-14B1
CG3415	dup:2/2 ID:108F6
000445	+ transcription_factor * 3e-09 similar to X box DNA binding protein-1; cDNA EST comes * 2e-09 X box binding protein-1; XBP-
CG9415	* 8e-11 TREB protein * 5e-12 hepatocarcinogenesi [B_ZIP // bZIP // NLS_BP] CG9415 LP03921 57C3-57C3 dup:2/3 ID:108G12
CG6234	+ motor_protein * 1e-06 TRFA * * CG6234 LP04345 87C6-87C6 dup:1/2 ID:108H11
007000	+ structural_protein * peritrophin-44(aa) * peritrophin-48a precursor(aa) * peritrophin-95 precursor(aa) * insect intestinal
CG7290	mucin IIM14(aa) CG7290 LP03990 77A-77A ID:108H4
CG11169	+ unknown * CG11169 LP04006 60A1-60A2 ID:108H6 + 6-phosphofructo-2-kinase enzyme * 6-phosphofructo 2-kinase/fructose 2,6-bisphosphatase long form(aa) * 1e-105 F26_YEAST
	FRUCTOSE-2,6-BISPHOSPHATASE fructose-2,6-bisp * 1[6PFRUCTKNASE // PGAM // PG_MUTASE // IG] CG3400 LP04008
CG3400	18D1-18D1 dup:4/4 ID:108H7
000400	+ kst actin_binding * DMBHSPEC kst * beta-heavy-spectrin(aa) * SPCA_DROME SPECTRIN ALPHA CHAIN spectrin alpha
	chain - fr * Similar to spectrin beta chain; coded for [SPECTRINPH // spectrin // CH_DOMAIN //] CG12008 LP04011 63C5-63D
CG12008	dup:4/5 ID:108H8
CG14766	+ unknown CG14766 LP04033 ID:108H9
= = = =	

	+ unknown * 1e-118 inserted at base Both 5' and 3' ends of P element Inverse PCR * 1e-118 inserted at base Both 5' and 3'
CG3628	ends of P element Inverse PCR * CG3628 67B4-67B4 dup:1/3 ID:109A10
CG9812	+ unknown * CG9812 LP04417 59D10-59D11 dup:1/2 ID:109A2
000700	+ ligand_binding_or_carrier * ecdysone-induced membrane protein IMP-E3 - fruit fly (Drosophila melanogaster)(aa) * *
CG2723	CG2723 LP04438 84E6-84E6 ID:109A3
CG8031	+ unknown * similar to C. elegans CEESS08F encoded by GenBank Accession Number * No definition line found(aa) * CGI-2 protein(aa) * CG8031 LP04475 87D9-87D9 ID:109A6
CG10497	+ CG10497 dup:1/2 ID:109B5
	+ enzyme * lipoamide dehydrogenase(aa) * 1e-157 DLDH_YEAST DIHYDROLIPOAMIDE DEHYDROGENASE PRECURSO
	dihydr * 7e-19 GSHR_DROME GLUTATHIONÉ REDUCTASE (GR) (GRAS [HGRDTASE // FADPNR // pyr_redox // PYRI] CG743(
CG7430	LP04889 75A4-75A4 ID:109B9
	+ enzyme * beta-glucosidase(aa) * cardenolide 16-O-glucohydrolase(aa) * lactase phlorizinhydrolase(aa) * beta-galactosidase
CG9701	(EC 3.2.1.23) / glycosylceramidase [GLHYDRLASE1 // Glyco_hydro_1 // GLYCOSY] CG9701 LP05116 73B5-73B5 ID:109C4
	+ Neurotactin cell adhesion axon, ocellar nerve, ventral nerve cord CARBOXYLESTERASE_B_2, COesterase, ESTERA] CG9704
CG9704	LP05519 ID:109D11
CG13598	+ sba unknown * DMTF125_2 Tf125 * type I(aa) * [MBD] CG13598 LP05532 95C9-95C11 ID:109D12
CG7953	+ BG:DS00941.14 unknown * CG7953 LP05733 34D4-34D4 dup:2/2 ID:109E10
00000	+ cytoskeletal_structural_protein * PEANUT PROTEIN(aa) * cell division control-related protein 2b(aa) * protein(aa) * BRAIN
CG9699	PROTEIN H5(aa) [ATP_GTP_A2 // GTP_CDC // PRO_RICH // AT] CG9699 LP06017 15A1-15A1 dup:1/2 ID:109F12
	+ enzyme * MEMBRANE-BOUND ALKALINE PHOSPHATASE PRECURSOR (M-ALP)(aa) * DMALKPHOS_2 Aph-4 * 8e-26
CG5656	repressible alkaline phosphatase (EC 3.1.3.1) * 9e-78 alkaline [ALKPHPHTASE // alk_phosphatase] CG5656 LP05865 78D5-78D5
	dup:2/2 ID:109F4
CG9795	 unknown * CG9795 LP05867 82A5-82A5 dup:2/2 ID:109F5 unknown * 6e-35 C09B9.3 gene product * 5e-16 bestrophin homolog * 1e-106 vitelliform macular dystrophy (Best disease,
CG6264	+ unknown * 6e-35 C09B9.3 gene product * 5e-16 bestrophin homolog * 1e-106 vitelliform macular dystrophy (Best disease, bestrophin) * 2e-48 RFP family member; t [Worm_family_8] CG6264 LP05915 85F13-85F14 dup:1/2 ID:109F6
CG6204 CG5770	+ unknown * CG5770 LP06072 55B-55B ID:109G1
CG6968	
	+ unknown * [NLS_BP] CG6968 LP06178 78D-78D dup:1/3 ID:109G3
CG14681	+ unknown * 1e-08 H06A10.1 * 1E-168* CG14681 LP06211 86C2-86C2 ID:109G4 + Ag5r unknown * antigen 5-related protein(aa) * Ag5r * 1e-156 antigen 5-related * 6e-33 antigen 5-related protein CG9538
CG9538	LP06338 12F5-12F5 ID:109G8
CG9556	+ unknown * coded for by C. elegans cDNA yk13g5.3; coded for by C. elegans cDNA yk21g6.3; coded for by C. elegans cDN/
	CEMSE18F; coded for by C. elegans cDNA yk [LAMNOPPTDASE // Peptidase_M17] CG6197 LP06925 50B9-50B9 dup:2/3
CG6197	ID:109H11
000101	+ cell_adhesion * 1e-05 CCR4_YEAST GLUCOSE-REPRESSIBLE ALCOHOL DEHYDROGENASE TRANSCRIPTIONAL
	EFFECTOR (C * 4e-14 CHAO DROME CHAOPTIN PRECURSOR (PHOTORECEPTOR CELL-SPE [LRR // LEURICHRPT //
CG7702	LRRCT] CG7702 LP06937 91B7-91B7 ID:109H12

000004	+ enzyme * 3e-12 K03C7.1 gene product * 3e-13 DNA-directed RNA polymerase (EC 2.7.7.6) II large chain - mouse (M12 *
CG8381	2e-09 elastic titin * 8e-10 proline-rich p [ADH_SHORT] CG8381 LP06813 50E4-50E5 dup:1/2 ID:109H9 + serpin * 2e-44 Similar to serine protease inhibitor * 6e-55 NEUS_MOUSE NEUROSERPIN PRECURSOR (PROTEASE
CG9453	INHIBITOR 17) * 1e-54 protease inhibitor (neuroserpin) [serpin // ER_TARGET] CG9453 SD01756 42C8-42C8 dup:2/2 ID:113B2 + LanB2 cell_adhesion * DMLAMB01_2 LanB2 * LAMININ-LIKE PROTEIN C54D1.5 PRECURSOR(aa) * LAMININ GAMMA-1 CHAIN PRECURSOR (LAMININ B2 CHAIN)(aa) * 2e-06 putative [ADH_ZINC // Iaminin_B // Iaminin_EGF //] CG3322 SD01934
CG3322	67B-67B ID:113C10
CG4578	+ CG4578 dup:2/2 ID:113D11
CG13323	 unknown CG13323 ID:113D4 unknown * coded for by C. elegans cDNA yk61f1.3; coded for by C. elegans cDNA yk109h8.3; coded for by C. elegans
CG8576	cDNA CEESX42F; coded for by C. elegans cDNA CG8576 SD02002 65F5-65F5 ID:113D5 + enzyme * 5e-16 YM71_YEAST HYPOTHETICAL OXIDOREDUCTASE IN MRPL44-MTF1 INTERGENIC REGION * 2e-12 antennal-specific short-chain dehydrogenase/reductase * 2e-64 [adh_short_C2 // GDHRDH // adh_short //] CG10672 SD02021
CG10672	64C12-64C12 dup:2/2 ID:113D8 + transcription_factor * DMADF1A_2 Adf1 * 6e-05 ADF1_DROME TRANSCRIPTION FACTOR ADF-1 (ADH DISTAL FACTO)
CG9437	1) * 2e-67 inserted at base Both 5' and 3' ends of P element Inverse [NLS_BP] CG9437 SD02118 57C5-57C5 dup:2/2 ID:113E10 + motor_protein * contains similarity to ATP synthase subunit B(aa) * Segregation of mitotic chromosomes (SMC1, yeast human homolog of(aa) * 1e-124 SMC1 YEAST CHROMOS [DA BOX // NLS BP // ATP GTP A] CG6057 SD02122 95D5-95D5
CG6057	dup:2/2 ID:113E11
CG1655	unknown * UNKNOWN; PRC1(aa) * protein regulating cytokinesis 1; PRC1 * [G_PROTEIN_GAMMA] CG1655 SD021509F5-9F5 ID:113F5
	 enzyme * similar to aspartyl-tRNA synthetase; cDNA EST yk250e3.3 comes from this gene(aa) * 2e-40 SYDM_YEAST ASPARTYL-TRNA SYNTHETASE, MITOCHONDRIAL (ASPARTA [tRNA-synt_2 // TRNASYNTHLYS // TRNASYNT] CG17938
CG17938	SD02215 36A10-36A10 ID:113G1 + fog unknown * fog * FOLDED GASTRULATION PROTEIN PRECURSOR(aa) * fog * folded gastrulation (fog) precursor - fruit fl
CG9559	(Drosophila melanogaster) CG9559 SD02223 20A4-20A5 ID:113G3
CG9653	+ brk transcription_factor * putative transcription factor(aa) * * CG9653 SD02279 7A4-7A4 dup:3/6 ID:113H5 + nod motor_protein * DMKINLA_3 nod * KINESIN-LIKE PROTEIN NOD(aa) * 4e-19 Cin8p kinesin-related * 9e-46 similar to Kinesin motor domain; cDNA EST yk256h1.3 comes from t [kinesin // KINESIN_MOTOR_DOMAIN1 // KIN] CG1763 SD02282
CG1763	10C5-10C6 ID:113H6 + signal_transduction * beta2-chimerin, cerebellar - human(aa) * beta2-chimerin, cerebellar - rat (fragment)(aa) * 2e-07 BEM2 YEAST GTPASE ACTIVATING PROTEIN BEM2/IP[RHO GAP // RhoGAP // DAG PE BINDING DOM] CG3208 SD02309
CG3208	5A8-5A8 dup:1/3 ID:113H7 + Prosalpha1 unknown * endopeptidase multicatalytic endopeptidase) cell 26S proteasome) map_position:54B3-5 * 20S
CG18495	proteasome subunit alpha1(aa) * endopeptidase multicata CG18495 SD02332 43F-43F dup:2/2 ID:114A1 + enzyme * LCFACAS3; * LONG-CHAIN-FATTY-ACIDCOA LIGASE (LONG-CHAIN ACYL-COA SYNTHETASE 4) (LACS
CG8732	4)(aa) * 1e-82 LCF4_YEAST LONG-CHAIN-FATTY-ACIDCOA LIGASE ([AMP_BINDING // AMPBINDING // AMP-bindin] CG873

SD02373 44D4-44D ID:114A6

	0ש02370 דעד דעד אינדי טוייטר אינדי
CG7839	+ transcription_factor * CCAAT-box-binding transcription factor(aa) * 6e-35 probable membrane protein YDR060w - yeast (Saccharomyces cerevisiae) * 1e-76 predicted using Gene [NLS_BP] CG7839 SD02424 70E1-68A3 ID:114B2
CG8980	+ enzyme_inhibitor * nuclear inhibitor of phosphatase-1(aa) * similar to forkhead-associated (FHA) domains (Pfam: FHA.hmm score: 28.36)(aa) * NIPP-1, nuclear inhibitor [FHA_DOMAIN // FHA] CG8980 SD02428 53E10-53E11 ID:114B3
CG0900	+ hts actin_binding * adducin homolog - fruit fly (Drosophila melanogaster)(aa) * similar to alpha-adducins(aa) * DMADDLIKE_3
CG9325	hts * adducin-like(aa) [Aldolase_II] CG9325 SD02552 56D5-56D6 ID:114C12
CG7434	+ RpL22 ribosomal protein Ribosomal protein L22 60S subunit ANTIFREEZEI CG7434 SD02522 ID:114C6
	+ Pros26.4 * Pros26.4 * 1e-177 PRS4_YEAST 26S PROTEASE REGULATORY SUBUNIT HOMOLOG (TAT-BINDING HOMOLOG
	5) * PRS4_DROME 26S PROTEASE REGULATORY SUBUNIT (P26S4) P [AAA // NLS_BP // ATP_GTP_A] CG5289 95C-95C
CG5289	dup:2/3 ID:114E3
0040070	+ protein_kinase * nik-like; similar to * NCK interacting kinase(aa) * alternatively spliced serine/threonine protein kinase MIG-
CG16973	15(aa) * NIK [CNH // PROTEIN_KINASE_ST // TYRKINASE /] CG16973 62E8-62F1 dup:3/3 ID:114E8 + unknown * 2e-11 hypothetical protein YLR201c - yeast (Saccharomyces cerevisiae) (U1 * 1e-39 Unknown gene product * 1e
CG1952	21 hypothetical protein * inserted at ba [CRYSTALLIN] BETAGAMMA] CG1952 SD02734 43E9-43E9 dup:2/2 ID:114F1
001002	+ signal_transduction * ADP-ribosylation GTPase activating protein(aa) * differentiation enhancing factor 1(aa) * 3e-09
	hypothetical protein YDR524c - yeast (Sacc[ANK_REP // GRAM_POS_ANCHORING // ArfGap] CG2226 SD02805 44A6-44A6
CG2226	dup:2/2 ID:114F10
	+ unknown * 4e-15 MTRP_MOUSE GOLGI 4-TRANSMEMBRANE SPANNING TRANSPORTER MTP * 6e-15 MTRP_HUMAI
CG8575	GOLGI 4-TRANSMEMBRANE SPANNING TRANSPORTER MTP * * CG8575 SD02746 44D8-44D8 dup:1/2 ID:114F2
CG10289	+ unknown * 8e-31 protein * * CG10289 SD02803 65A-65A ID:114F9
	+ Hsf transcription_factor * DMHSPHEX_3 Hsf * 2e-23 HSF_YEAST HEAT SHOCK FACTOR PROTEIN (HSF) (HEAT SHOCK
CG5748	TRANSCRIPTION FACTOR) (HST * HSF_DROME HEAT SHOCK FACTOR PROTEIN (HSF) [HSFDOMAIN // HSF_ETS // HSF_DNA-bind] CG5748 SD02833 55B5-55B5 ID:114G2
CG3740	+ Vha16 enzyme * DMCSDUC_5 Vha16 * VACUOLAR ATP SYNTHASE KD PROTEOLIPID SUBUNIT (DUCTIN)(aa) * 5e-56
	VATL_YEAST VACUOLAR ATP SYNTHASE KD PROTEOLIPID SUBUNIT * 1e-53 [VACATPASE // ATP-synt_C] CG3161
CG3161	SD02875 42B2-42B2 dup:2/4 ID:114G8
	+ enzyme * LONG-CHAIN-FATTY-ACIDCOA LIGASE (LONG-CHAIN ACYL-COA SYNTHETASE 2) (LACS 2)(aa) * 1e-83
	LCF2_YEAST LONG-CHAIN-FATTY-ACIDCOA LIGASE (LONG-CHAIN A [AMP_BINDING // AMPBINDING // AMP-bindin]
CG3961	CG3961 SD02971 75E2-75E2 ID:114H10
CG2131	+ * predicted using Genefinder; similar to thrombospondin like; cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST yk195c9.3 comes [TSP1 // ig // NLS_BP // tsp_1 // ATP_GT] CG2131 39E7-39F1 dup:1/2 ID:115A3
CG2131	+ Cyp12a4 cytochrome_P450 * CYTOCHROME P450 CYP12A2(aa) * 3e-17 lanosterol 14-demethylase cytochrome P450 * 5e-24
	cytochrome P450 cytochrome P4 * 4e-20 YS45_CAEEL PUTATIVE CYTO [EP450II // p450 // P450 // MITP450 // C] CG6042
CG6042	SD03227 91F3-91F4 ID:115D8
CG1363	+ blow unknown * 1E-143 blown fuse* CG1363 SD03683 dup:2/2 ID:116A10.2
CG12004	+ unknown CG12004 SD03655 ID:116A6

CG18409	+ CG18409 SD03761 dup:2/2 ID:116B5.2
CG 10409	+ CG18409 SD03761 dup:2/2 ID:116B5.2 + ppan unknown * Peter Pan(aa) * 4e-35 SSF1_YEAST SSF1 PROTEIN SSF1 protein - yeast (Saccharomyc * 1e-53 contains
CG5786	similarity to human RNA-binding protein FUS/TLS * 1 [NLS_BP] CG5786 SD03871 95F1-95F1 dup:1/3 ID:116C10
000100	+ EG:100G10.8 unknown * DMC95B7 * * by content; by match; LD Drosophila melanogaster(aa) * by content; 1-meth CG2694
CG2694	SD03887 3B5-3B5 dup:1/2 ID:116C11
	+ chaperone * orf 48(aa) * NF-180 - sea lamprey(aa) * 2e-06 strong similarity to the SNF2/RAD54 family of helicases; partial
CG11120	CDS * K2 [NLS_BP] CG11120 SD03844 96B8-96B9 dup:2/3 ID:116C3.2
CG10192	+ translation_factor CG10192 SD03848 ID:116C4
CG1902	+ CRAL_TRIO ligand_binding_or_carrier CG1902 SD04017 dup:2/2 ID:116E8
CG10712	+ translation_factor * 3e-06 Pdd1p Pdd1p thermoph * * [chromo // CHROMO_2] CG10712 79F5-79F5 dup:3/4 ID:116F1
CG9344	+ RNA_binding CG9344 ID:116F8
CG7649	+ CG7649 SD04095 dup:2/3 ID:116G1.2
	+ DNA_binding * DNA (cytosine-5-)-methyltransferase 1(aa) * protein(aa) * HYPOTHETICAL 56.5 KD PROTEIN IN CAJ1-
CG11033	HOM3 INTERGENIC REGION(aa) * DNA (cytosine-5-)-methyl CG11033 SD04170 85C6-85C7 dup:1/5 ID:116H3
	+ alpha-Spec actin_binding * DMLETHAL_2 Actn * DMSPCA_2 agr;-Spec * SPECTRIN ALPHA CHAIN(aa) * 3e-15 USO1_YEAST
0040==	INTRACELLULAR PROTEIN TRANSPORT PROTEIN USO1 ([spectrin // SPEC_REPEAT // EF_HAND // S] CG1977 SD04436
CG1977	62B-62B dup:2/7 ID:117C8
	+ G_protein_linked_receptor * CL3BC(aa) * protein(aa) * 4e-20 similar to G-protein coupled receptor protein; cDNA EST * 2e-14 EMR1_MOUSE CELL SURFACE GLYCOPROTEIN[7tm_2 // RECEPTOR_PKD // GAL_LECTIN //] CG8639 SD04590 44D2-
CG8639	44D2 dup:5/5 ID:117E6
000009	+ defense/immunity_protein * tag7(aa) * 2e-20 peptidoglycan recognition protein precursor * 4e-20 TNF superfamily, member
CG4432	(LTB)-like (peptidoglycan recognition * 2e-19 peptidogl [HTH_ARAC_FAMILY_1] CG4432 SD04722 67A8-67A9 dup:2/2 ID:117F12
CG8151	+ CG8151 SD04652 ID:117F3
CG6006	+ Orct transporter Orct Organic cation transporter 2 CG6006 SD04753 ID:117G9
CG18061	+ CG18061 SD04793 ID:117H2
	+ unknown * BLASTX 7.0E-38 YLR386W Protein of unknown function(dna) * BLASTX 7.0E-38 YLR386W Protein of unknown
CG5608	function(dna) * BLASTX 7.0E-38 YLR386W Protein o CG5608 SD04925 87C-87C dup:2/2 ID:118A11
CG14800	+ no blast hits pioneer protein? CG14800 SD04906 dup:1/2 ID:118A8
	+ lic protein_kinase (licorn) stress activated MAP kinase kinase 3 [Drosophila melanogaster] PROTEIN_KINASE_DOM,
CG12244	PROTEIN_KINASE_ST, p] CG12244 SD04985 ID:118B12
CG8013	+ Su(z)12 a novel gene that affects zeste, Pc-G and PRE mediated silencing NLS_BP, PRO_RICH CG8013 SD04959 ID:118B5
CG1787	+ enzyme CG1787 SD05059 ID:118C6
	+ dally cell_adhesion * dally * DALY_DROME DIVISION ABNORMALLY DELAYED PROTEIN PRECURSOR (DALLY PROTEIN
22.12	* 2e-10 similar to Glypican * 1e-24 GPCK_MOUSE K-GLYPICAN PRECURSO [Glypican] CG4974 SD05230 66E-66E3 dup:2/2
CG4974	ID:118D10
CG2485	+ enzyme * protease(aa) * 1e-95 TyB protein - yeast (Saccharomyces cerevisiae) retrotransposon Ty3-2 * 2e-95 gag, pol and

	env protein precursor * hypothetical [rvt // NLS_BP] CG2485 SD05236 10B1-10B1 dup:4/7 ID:118D11
none	+ none SD05284 ID:118E10
CG12210	+ transporter CG12210 SD05285 dup:2/2 ID:118E11
CG7635	+ unknown stomatin-like protein Band_7, STOMATIN CG7635 SD05291 dup:3/3 ID:118E12
	+ cytoskeletal_structural_protein homolog of human KIAA1323 protein, similar to ankyrin proteins ANK_REP,
CG5841	ANK_REP_REGION, ZF_RING, ZF_ZZ,] CG5841 SD05267 dup:3/3 ID:118E5
	+ S6kII protein_kinase ribosomal protein S6 kinase PROTEIN-KINASE-ATP, PROTEIN-KINASE-ST, T] CG17596 SD05277
CG17596	dup:3/3 ID:118E6
CG8060	+ CG8060 SD05384 dup:2/2 ID:118F10.2
	+ CadN cell_adhesion * G-cadherin(aa) * CadN * DN-cadherin * 8e-11 contains similarity to multiple cadherin-type repeats
CG7100	[EGF_1 // EGF // EGF_2 // LAM_G_DOMAIN /] CG7100 SD05464 36C8-36D dup:2/2 ID:118G10
00/00-	+ transporter * 1e-14 YNM5_YEAST HYPOTHETICAL 73.8 KD PROTEIN IN SPC98-TOM70 INTERGENIC REGION * 1e-61
CG13907	/match=(desc:; /ma * 6e-43 K05B2.5 gene product * 3e-26 MOT1_ CG13907 SD05443 61E1-61E1 dup:1/3 ID:118G6
005007	+ Fad enzyme * Fad * 1e-51 delta-9 fatty acid desaturase * fatty acid desaturase * 4e-89 predicted using Genefinder; Similarity to
CG5887	Rat acyl-CoA desaturase [Desaturase // FACDDSATRASE] CG5887 SD05462 87C-87C dup:2/5 ID:118G9.2
CG13384	+ transporter putative amino acid transport protein AROMATIC_AA_PERMEASE_2 CG13384 SD05512 dup:2/4 ID:118H7
CC42000	+ enzyme * 3e-31 prolyl 4-hydroxylase alpha subunit * 2e-40 Similarity to Human Prolyl 4-hydroxylase alpha subunit
CG12088	(SW:P4HA_HU * 3e-42 P4H1_MOUSE PROLYL 4-HYDR CG12088 SD05564 99F7-99F7 dup:2/3 ID:119A3.2 + homology to voltage-sensitive calcium channel alpha 1 A and guanine nucleotide exchange factor DC3G CG7795 SD0557
CG7795	dup:1/2 ID:119A4
CG5721	+ pioneer protein CG5721 SD05591 ID:119A7
003721	+ stnB stoned B, mutations affect multivesicular body, nerve terminal, synaptic vesicle Adap_comp_sub, CLATHRINADPT,
CG12473	PRO RICH CG12473 SD05593 ID:119A9
CG8376	+ transcription factor CG8376 SD05618 dup:4/5 ID:119B1.2
000070	+ cell_cycle_regulator * cullin 2(aa) * 5e-70 CC53_YEAST CELL DIVISION CONTROL PROTEIN (CULLIN A) * 1e-115
	LI19_DROME LIN-19 HOMOLOG PROTEIN lin19 protein * 1e-14[CULLIN_2 // NLS_BP // Cullin // CULLIN_] CG1512 SD05653
CG1512	39E5-39E5 dup:3/3 ID:119B10
	+ signal_transduction PLAP_MOUSE PHOSPHOLIPASE A-2-ACTIVATING PROTEIN GPROTEINBRPT, WD40,
CG5105	WD40_REGION, WD_REPE] CG5105 SD05646 ID:119B6
	+ kis motor_protein * BLASTX 1.2E-06 Plasmodium falciparum GGM tandem repeat protein mRNA, partial cds.(dna) * kismet(aa
CG3696	* 1e-07 contains similarity to chromo (chromatin [NLS_BP // ATP_GTP_A] CG3696 SD05649 21B4-21B4 dup:4/8 ID:119B7
	+ RpS3A ribosomal_protein * DMRPS3A_2 RpS3A * ribosomal protein S3a(aa) * 3e-63 RS3A_YEAST 40S RIBOSOMAL
	PROTEIN RP10A ribosomal protein * 4e-78 RS3A_CAEEL PROBABLE 40S RIBOS[RIBOSOMAL_S3AE // Ribosomal_S3Ae //
CG2168	NLS] CG2168 SD05650 101F1-101F1 ID:119B8
CG7821	+ CG7821 SD05678 ID:119C2

RNAS_binding homology with Drosophila dip1 (disco interacting protein) gene, a new member of the Staufen family of RNA

	binding proteins CG17452 SD05690 ID:119C6
	+ signal_transduction * AND-1 protein(aa) * bgr;'Cop * 6e-29 Met30p * 3e-28 Slimb [GPROTEINBRPT // GPROTEINB //
CG17437	WD40_REGIO] CG17437 3A8-3A8 dup:3/3 ID:119D12.2
	+ enzyme * lysine ketoglutarate reductase/saccharopine dehydrogenase(aa) * similar to saccharopine dehydrogenases(aa) *
CG7144	lysine-ketoglutarate reductase /sacch CG7144 SD05742 28C9-28D dup:2/2 ID:119D4
CG6406	+ unknown * No definition line found(aa) * * CG6406 SD05904 54E7-54E7 dup:2/5 ID:119E11.2
CG7958	+ unknown CG7958 SD05917 dup:2/2 ID:119E12
	+ protein_kinase similar to serine/threonine kinases PROTEIN_KINASE_ATP, PROTEIN_KINASE_DOM,] CG17090 SD0587
CG17090	dup:4/5 ID:119E6
CG4822	+ transporter * [ABC_TRANSPORTER // DA_BOX] CG4822 SD05880 21B-21B dup:6/6 ID:119E7
CG11526	+ pioneer protein with human homolog (KIAA1170) CG11526 SD05886 dup:2/2 ID:119E8
0040000	+ motor_protein * 4e-05 unknown * 5e-06 Similarity with drosohila MSP-300 protein (PIR acc. no. * 2e-10 rho/rac-interacting
CG13889	citron kinase [PEROXIDASE_1] CG13889 SD05919 61D4-61D4 ID:119F1
CG10080	+ unknown * protein(aa) * 4e-83 cDNA EST comes from this gene; cDNA EST co * CG10080 SD05932 57F5-57F5 dup:2/3 ID:119F2
0010000	+ transcription_factor * ATFx(aa) * leucine-zipper protein(aa) * 7e-05 Similarity to Human transcription factor ATF-4
	(SW:ATF4 HUMAN); cD * 3e-09 ATF4 MOUSE CYCLIC-AMP-DEPE[B ZIP // bZIP // BZIP BASIC // NLS BP] CG8669 39D2-
CG8669	39D2 dup:3/3 ID:119H1
CG1691	+ RNA_binding CG1691 SD07045 dup:1/3 ID:120E7.2
CG18218	+ CG18218 SD07272 dup:1/4 ID:120H6.2
CG3140	+ adenylate_kinase CG3140 SD09634 dup:1/2 ID:124A9.2
CG3879	+ transporter CG3879 SD10012 dup:1/3 ID:124E12.2
	+ signal_transduction * BLASTX 1.6E-48 Human mRNA for gene, partial cds.(dna) * 2e-13 weakly similar over a short to
	metastasis-associated proteins mta-1 * 2e-10 n[ELM2 // myb_DNA-binding // ATP_GTP_A] CG3878 SD10063 18D3-18D3 dup:2/3
CG3878	ID:124F11.2
000070	+ pnr transcription_factor * GATA-BINDING FACTOR-A (TRANSCRIPTION FACTOR GATA-A) (DGATA-A) (PANNIER
CG3978	PROTEIN)(aa) * pnr * CG3978 89B5-89B6 dup:1/3 ID:124G11.2 + cytoskeletal_structural_protein * 2e-21 Similarity to N.crassa ADP/ATP carrier protein (SW:ADT_NEUCR) * 7e-05
	TPCC_MOUSE TROPONIN C, SLOW SKELETAL AND CARDIAC MUSCLES (TN-C) * 4e-05 CG18022 SD10992 69B3-69B3
CG18022	ID:126A10
0010022	+ TER94 endopeptidase * 8e-87 CC48_YEAST CELL DIVISION CONTROL PROTEIN cell divisi * 1E-145* 1e-118 TER1_CAEEL
	TRANSITIONAL ENDOPLASMIC RETICULUM ATPASE HOMOLOG (P97/CDC48 [ENDOLAPTASE // AAA // ATP_GTP_A]
CG2331	CG2331 GH01132 46D1-46D1 dup:1/3 ID:30A11
	D DNA ONG (CTO DNA 11 11 4 1 1 1 / 14 T 00 OVDO VEACT DEDTIDY (DDOLV) OIG TRANGICOMEDAGE OVDO

+ BcDNA:GH01073 RNA_binding * unknown(aa) * 7e-08 CYP6_YEAST PEPTIDYL-PROLYL CIS-TRANS ISOMERASE CYP6 (PPIASE) (ROTAMASE) * 7e-06 RNA-binding protein * 1e-103 Similarity to pepti [RBD // pro_isomerase // rrm // CSA_PPIA] CG5808 GH01073 96B1-96B1 ID:30A6

	+ Traf2 signal_transduction * TNF-receptor-associated factor melanoga * 8e-06 YQ57_CAEEL HYPOTHETICAL 24.9 KD
	PROTEIN C16C10.7 IN CHROMOSOME III * 4e-38 TRAF6 * 1e-36 TNF recept[RNP_1 // zf-C3HC4 // ZINC_FINGER_C3HC4]
CG10961	CG10961 GH01161 7D14-7D14 ID:30B3
	+ unknown * No definition line found(aa) * No definition line found * H19J13.1 (AL009 * [CRYSTALLIN_BETAGAMMA]
CG3332	CG3332 GH01206 23E-23E ID:30B7
	 unknown * Ykr081cp(aa) * 5e-49 YK61_YEAST HYPOTHETICAL 39.6 KD PROTEIN IN MTD1-NUP133 INTERGENIC
CG7993	REGION * ORF YKR401 * CG7993 GH01229 90F1-90F1 ID:30B8
	+ Mer actin_binding * merlin * 1e-105 coded for by C. elegans cDNA yk167f5.5; coded for by C. elegans cDNA yk130f8.5; * 1e-
0044000	135 MERL_MOUSE MERLIN (SCHWANNOMIN) merlin - mo [Band_41 // BAND41 // ERM // ERMFAMILY] CG14228 GH01330
CG14228	18E1-18E1 ID:30C2
CG1815	+ enzyme * protein kinase C-binding protein RACK7(aa) * deformed epidermal autoregulatory factor 1(aa) * No definition line found(aa) * adenovirus E1A binding [PHD] CG1815 GH01331 100D4-100D4 dup:1/2 ID:30C3
CG1015	+ Aph-4 enzyme * alkaline phosphatase(aa) * 3e-28 repressible alkaline phosphatase (EC 3.1.3.1) * 4e-95 PPBE_MOUSE
	ALKALINE PHOSPHATASE, EMBRYONIC PRECURSOR (EAP) e [ALKALINE_PHOSPHATASE // ALKPHPHTASE //] CG1462
CG1462	GH01338 100B-100B dup:1/2 ID:30C5
	+ protein_phosphatase * 3e-41 LAR_DROME PROTEIN-TYROSINE PHOSPHATASE DLAR PRECURSOR (PROTEIN-
	TYROSINE-PHOSPHAT * 5e-40 similar to protein-tyrosine phosphatase with [Y_phosphatase // TYR_PHOSPHATASE_PTP //]
CG4355	CG4355 GH01353 22A1-22A1 dup:1/3 ID:30C7
	+ BG:DS09217.1 unknown * 1e-14 predicted using Genefinder; cDNA EST comes from this g * * CG13240 GH01660 35D6-35D6
CG13240	dup:2/2 ID:30E12
	+ endopeptidase * 3e-64 cysteine proteinase cysteine * 2e-56 predicted using Genefinder; similar to cathepsin-like protease; cD * 1e-59 cathepsin K * 1e-59 cathepsi[THIOL PROTEASE CYS // PAPAIN // Peptida] CG4847 GH01592 54C9-54C9 dup:3/4
CG4847	ID:30E3
CG4047 CG6210	+ unknown * CG6210 GH01813 68A7-68A7 ID:30G1
CG0210	+ endopeptidase * endothelin converting enzyme-2 - bovine (fragment)(aa) * endothelin converting enzyme-like 1(aa) * 7e-30
	similar to Zinc-binding metalloprotease; cD [NEPRILYSIN // PRENYLATION // ZINC PROTE] CG14528 GH01940 98F-98F
CG14528	ID:30G10
	+ endopeptidase * HYPOTHETICAL 37.7 KD PROTEIN C08B11.7 IN CHROMOSOME II(aa) * DMUBICTHG_3 Uch * BRCA1
	associated protein-1 (ubiquitin carboxy-terminal hydrolase)(aa) [UCH // UBCTHYDRLASE // ATP_GTP_A] CG8445 GH01941 52F7
CG8445	52F7 ID:30G11
	+ I(2)efl chaperone * similar to the small heat shock protein (HSP20) family(aa) * DMHS09_2 Hsp23 * DMHSP27G_3 Hsp27 *
CC 4500	HYPOTHETICAL 12.3 KD PROTEIN C14B9.1 IN CHROMOSOME [HSP20 // ACRYSTALLIN] CG4533 GH01960 59F4-59F4 ID:30G12
CG4533	+ endopeptidase * DMC9D2 * 8e-57 serine protease SER4 precursor * 6e-12 predicted using Genefinder; similar to
	transmembrane receptor (r * 2e-19 serine protease (BSP) [trypsin // CHYMOTRYPSIN // TRYPSIN SER] CG8329 GH01822 67B-
CG8329	67B ID:30G2
CG7415	+ unknown * dipeptidyl peptidase III(aa) * 1e-109 hypothetical protein YOL057w - yeast (Saccharomyces cerevisiae) * 1e-105
· · · •	

	similar to WD domain, G-beta repeat; CG7415 GH01916 84F14-84F15 dup:1/2 ID:30G7 + * Contains similarity to Pfam domain: (aminotran_3), Score=462.2, E-value=9.8e-161, N=1(aa) * ornithine
CG8782	aminotransferase(aa) * ornithine aminotransfe [aminotran_3 // AA_TRANSFER_CLASS_3] CG8782 76C1-76C2 dup:2/2 ID:30H4 + Tpi enzyme * Chain A, Does The His12-Lys13 Pair Play A Role In The Adaptation Of Thermophilic Tims To High Temperature
CG2171	?(aa) * DMTPIG_2 Tpi * TRIOSEPHOSPHATÉ IS [TIM] CG2171 GH02005 99E-99E dup:1/3 ID:30H5 + Ca-alpha1D ion_channel * DMCA1_2 Ca- agr;1D * calcium channel alpha-1 subunit * putative L-type calcium channel alpha
CG4894	subunit * voltage-dependent calcium channel complex alp [NACHANNEL // CACHANNEL // THIOL_PROTEAS] CG4894 GH02029 35F1-35F3 ID:30H9 + structural_protein * /match=(desc:; /match=(desc:(aa) * 2e-21 /match=(desc:; /ma * 3e-16 CU1A_TENMO LARVAL CUTICL PROTEIN A1A (TM-A1A) (TM-LCP A1A) * 6e-19 DMEDG84A_3 E [CUTICLE // insect_cuticle] CG4791 GH02089 31A1-31A1
CG4791	ID:31A2
CG17814	+ unknown CG17814 ID:31A5
CG15387	+ CG15387 ID:31A6
CG12182	+ BcDNA:GH02340 unknown * CG12182 GH02340 62F1-62F1 ID:31B5
CG12125	+ It has been mapped cytologically to 7E56 CG12125 GH02384 ID:31B7
	+ Uch endopeptidase * DMUBICTHG_3 Uch * 3e-19 UBL1_YEAST UBIQUITIN CARBOXYL-TERMINAL HYDROLASE YUH1 (UBIQUITIN THIOLESTERASE) * 1e-130 UBL_DROME UBIQUITIN CARBOXYL-TERMIN [UCH // UCH_1 // UBCTHYDRLASE]
CG4265	CG4265 GH02396 23D1-23D1 dup:1/2 ID:31B8 + BcDNA:GH02431 * 2e-48 hypothetical protein YLR348c - yeast (Saccharomyces cerevisiae) (U * 1e-87 Oxoglutarate/malate
CG8790	carrier protein - Caenorhabditis elegans * 6e-3 [mito_carr // MITOCARRIER] CG8790 87E8-87E8 dup:1/2 ID:31C11 + Rh3 G_protein_linked_receptor * OPSIN RH3 (INNER R7 PHOTORECEPTOR CELLS OPSIN)(aa) * DMRH3A_3 Rh3 * OPS3_DROME OPSIN RH3 (INNER R7 PHOTORECEPTOR CELLS OPSIN) * 5e-2[GPCRRHODOPSN // OPSIN //
CG10888	G_PROTEIN_RECE] CG10888 GH02505 92C5-92C5 dup:2/2 ID:31C6
	+ transporter * phosphate transporter precursor(aa) * MITOCHONDRIAL PHOSPHATE CARRIER PROTEIN PRECURSOR(aa) * putative mitochondrial uncoupling protein(aa) * MITOCH [mito_carr // MITOCARRIER // RCC1_2 // M] CG9090
CG9090	GH02695 56F16-56F16 ID:31D8 + BG:DS00797.1 unknown * unknown protein(aa) * 1e-113 EMP70 protein precursor - yeast (Saccharomyces cerevisiae) *
CG7364	Similarity to Yeast endosomal P24A protein (SW:EM70_YEAST_CG7364 GH02822 34D1-34D1 dup:2/2 ID:31E4 + BcDNA:GH02833 RNA_binding * DMDBP45A_18 Dbp45A * pit * 3e-64 DBP7_YEAST ATP-DEPENDENT RNA HELICASE DBP probable purin * 1e-58 helicase pitchoune [helicase_C // HELICASE // DEAD // NLS_B] CG8611 GH02833 16A1-16A2 dup:3/3
CG8611	ID:31E5 + unknown * actin-fragmin kinase(aa) * putative protein kinase(aa) * HYPOTHETICAL 143.1 KD PROTEIN F33C8.1 IN
CG6758	CHROMOSOME X PRECURSOR(aa) * 4e-10 YG52_YEAST HYP [FBOX_DOMAIN] CG6758 GH02866 58C5-58C5 dup:2/2 ID:31E7
	+ Reg-2 * RHYTHMICALLY EXPRESSED GENE PROTEIN (DREG-2)(aa) * Reg-2 * 4e-16 YM14_YEAST HYPOTHETICAL 35.3 KD PROTEIN IN POM152-REC114 INTERGENIC REGION * 1e-157 [Hydrolase // HADHALOGNASE] CG3200 61C-61C dup:4/4
CG3200	ID:31E8

CG1102	+ BEST:GH02921 endopeptidase * easter(aa) * DMEAST_4 ea * 1e-106 EAST_DROME SERINE PROTEASE EASTER PRECURSOR serine protein * 5e-33 KAL_MOUSE PLASMA KALLIKREIN PRECURSOR (PLASMA P [ANTENNAPEDIA // trypsin // CHYMOTRYPSIN] CG1102 GH02921 82A5-82A5 ID:31F2
	+ Sema-1b unknown * similar to semaphorin-I * 4e-93 cDNA EST comes from this gene; cDNA EST * 2e-81 semaphorin VIb * 1e-6 UNKNOWN semaphorin F homolog [RECEPTOR_CYTOKINES_1 // Sema // ATP_GTP] CG6446 GH03186 54E1-54E2 dup:1/2
CG6446	ID:31G11 + BcDNA:GH02974 unknown * 2e-35 YJ05_CAEEL HYPOTHETICAL 85.1 KD NUCLEASE C41D11.5 simila * YKK3_CAEEL
CG12127	HYPOTHETICAL 64.3 KD GTP-BINDING PROTEIN C02F5.3 IN CHROMOSOME III >g * CG12127 8D6-8D6 dup:1/2 ID:31G9
CG6371	+ unknown * CG6371 GH03388 88C1-88C1 ID:31H11
	+ ras enzyme * 1e-174 IMH2_YEAST PROBABLE INOSINE-5'-MONOPHOSPHATE DEHYDROGENASE (IMP
	DEHYDROGENASE) * IMDH_DROME INOSINE-5'-MONOPHOSPHATE DEHYDROGENASE (IMP DEHY [CBS // SNF4_REP //
CG1799	FMN_ENZYMES // IMPDH] CG1799 GH03394 9E3-9E4 dup:1/3 ID:31H12
	+ Cnx99A chaperone * DMCALNEX_3 Cnx * 5e-51 CALX_YEAST CALNEXIN HOMOLOG PRECURSOR calnexin homolog YA *
CG11958	calnexin * 1e-117 CALX_CAEEL CALNEXIN HOMOLOG PRECURSOR hypotheti [CALRETICULIN_2 // calreticulin // CALRE] CG11958 GH03249 99A7-99A7 dup:1/3 ID:31H2
CG11930	+ enzyme * 3-phosphoglycerate dehydrogenase(aa) * similar to D-3-Phosphoglycerate dehydrogenase; cDNA EST comes
	from this gene; cDNA EST comes from this gene; [2-Hacid DH // D 2 HYDROXYACID DH 1 // A] CG6287 GH03305 32D5-32D5
CG6287	ID:31H4
	+ RNA_binding * probable splicing factor Ceprp21 - Caenorhabditis elegans(aa) * pre-mRNA splicing factor SF3a (120 kDa
CG16941	subunit), similar to S. cerevisiae PRP21(aa) [SURP // ubiquitin // UBIQUITIN // UBIQU] CG16941 GH03554 92C1-92C1 ID:32A12
	+ structural_protein * 2e-05 CUP7_DROME PUPAL CUTICLE PROTEIN EDG-78 PRECURSOR ecdyson * 8e-06
0040045	CU26_ARADI ADULT-SPECIFIC RIGID CUTICULAR PROTEIN 12.6 (ACP 12.6) * 2e-07 DM [CUTICLE // insect_cuticle] CG1204
CG12045	GH03728 100B-100B ID:32B12
	+ Rab7 enzyme * Rab7 * 6e-61 YPT7_YEAST GTP-BINDING PROTEIN YPT7 GTP-binding protein Y * 1e-111 small ras-like GTPase * 6e-77 similar to ras related protein; cDNA E [ras // ATP_GTP_A // RASTRNSFRMNG] CG5915 GH03685 97F1-97F1
CG5915	ID:32B6
003913	+ BcDNA:GH03693 signal_transduction * contains similarity to Src homology domain (SH3) (Pfam: SH3.hmm, score: 50.59)(aa) *
	6e-90 contains similarity to Src homology domain [GRF_DBL // RhoGEF // SH3 // PRO_RICH //] CG3799 GH03693 73E1-73E1
CG3799	dup:2/2 ID:32B7
CG7738	+ CG7738 dup:2/2 ID:32C2
	+ alpha-Man-II enzyme * LYSOSOMAL ALPHA-MANNOSIDASE PRECURSOR (MANNOSIDASE, ALPHA B) (LYSOSOMAL ACID
	ALPHA-MANNOSIDASE)(aa) * truncated lysosomal acid alpha-mannosidase(aa) [Glyco_hydro_38 // NLS_BP] CG8139 GH03876
CG8139	85D16-85D16 ID:32C7
005507	+ unknown * 7e-06 pdb 1BIH A Chain A, Crystal Structure Of The Insect Immune Protein Hemolin: A New Domain *
CG5597	HEMO_HYACE HEMOLIN PRECURSOR (P4 PROTEIN) (HEMOCYT [ig] CG5597 GH04238 60A8-60A8 dup:2/2 ID:32E10
CG8882	+ Trip1 translation_factor * 3e-80 IF34_YEAST EUKARYOTIC TRANSLATION INITIATION FACTOR DELTA SUBUNIT (EIF-3 DELTA * IF34 DROME EUKARYOTIC TRANSLATION INITIATION FACTOR DEL[GPROTEINBRPT // WD40 REGION //
CG0002	DELTA IF34_DROME EURARTOTIC TRANSLATION INITIATION FACTOR DELIGEROTEMBRET // WD40_REGION //

	WD_REPEA] CG8882 GH04085 25B-25B dup:2/2 ID:32E2
	+ serpin * serine protease inhibitor(aa) * OVALBUMIN (PLAKALBUMIN) (ALLERGEN GAL D 2) (GAL D II)(aa) * LEUKOCYTI
CG9456	ELASTASE INHIBITOR (LEI) (LEUCOCYTE NEUTRAL P [serpin] CG9456 GH04125 42C8-42C8 dup:2/2 ID:32E4
	+ enzyme * PROBABLE SERYL-TRNA SYNTHETASE (SERINETRNA LIGASE) (SERRS)(aa) * SERYL-TRNA
0047050	SYNTHETASE (SERINETRNA LIGASE) (SERRS)(aa) * seryl-tRNA synthetase(a [tRNA-synt_2b // TRNASYNTHSER] CG17259
CG17259	GH04194 23C4-23C5 dup:2/2 ID:32E7
CG3253	+ enzyme * i-beta-1,3-N-acetylglucosaminyltransferase(aa) * 1e-10 K09C8.4 * 8e-16 acetylglucosaminyltransferase-like protei * 5e-24 i-beta-1,3-N-acetylglucosa CG3253 GH04269 60B6-60B6 ID:32F1
CG5080	+ CG5080 ID:32F10 + Arr1 unknown * PHOSRESTIN II (ARRESTIN A) (ARRESTIN 1)(aa) * DMARRA_2 Arr1 * 1e-75 ARRB_CAEEL PROBABLE
	BETA-ARRESTIN coded for by C. elegans * 6e-74 ARRS_MOUSE S-A [ARRESTIN // arrestin // ARRESTINS] CG5711 36E-36E
CG5711	dup:8/11 ID:32F7
000711	+ unknown * 1e-26 VP28 YEAST VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS28 * 3e-40 putative protein
CG12770	* 3e-76 inserted at base Both 5' and 3' ends of P elemen CG12770 GH04443 44A4-44A4 ID:32G10
	+ actin_binding * dystrophin(aa) * DMDYDTRO dystrophin * 1e-126 DYS-1 protein * cytoskeletal protein CG7240 92A7-
CG7240	92A11 dup:1/2 ID:32G3
	+ Appl unknown * DMS1C4_1 Appl * 2e-25 beta-amyloid homolog apl-1 - Caenorhabditis elegans beta- * 4e-21 Alzheimer's
	disease amyloid beta/A4 protein homolog precurso [A4_EXTRA // A4_INTRA // AMYLOIDA4 // NL] CG7727 GH04413 1B7-1B8
CG7727	dup:1/2 ID:32G7
CG6415	 enzyme * aminomethyltransferase (glycine cleavage system protein T)(aa) * 2e-68 glycine cleavage T protein * 7e-91 partia CDS, * 1e-97 GCST HUMAN AMINOMETHY CG6415 GH04419 32A2-32A2 dup:1/2 ID:32G8
CG0415	+ n-syb transporter * 2e-21 synaptobrevin isoform B - fruit fly (Drosophila melanogaster) (L142 * 2e-21 SNB-1; synaptobrevin SNE
	1; sy * 6e-24 SYB2_MOUSE SYNAPTOBREVI[SYNAPTOBREVN // SYNAPTOBREVIN // synapt] CG17248 GH04664 62A10-
CG17248	62A10 dup:2/2 ID:32H12
	+ Tis11 DNA_binding * DTIS11 PROTEIN(aa) * Tis11 * 9e-15 hypothetical protein YDR151c - yeast (Saccharomyces cerevisiae)
CG4070	5e-67 TIScc1 cc1 gene [ZF_CCCH // zf-CCCH] CG4070 GH04518 11B14-11B16 ID:32H2
	 unknown * 4e-07 YN50_YEAST HYPOTHETICAL 23.5 KD PROTEIN IN RFA2-STB1 INTERGENIC REGION * 8e-07
CG8206	A_TM021B04.14 gene product * hypothetical protein - fission yea CG8206 GH04557 13E16-13E16 ID:32H3
004000	+ transcription_factor * DMC95B7 * D19B * ovo * DMSRYG1_25 Sry- dgr; [G_PROTEIN_RECEPTOR // zf-C2H2 // ZINC_F]
CG10366	CG10366 GH04589 37F2-37F2 ID:32H8
CG10233	+ signal_transduction * 9e-12 hypothetical protein * unknown * phosphatidylinositol-4-phosphate 5-kinase isolog * CG10233 GH04877 83A1-83A1 ID:33B12
0010233	+ Mipp1 protein_phosphatase * multiple inositol polyphosphate phosphatase 1; MIPP1(aa) * Mipp1 * 1e-22 multiple inositol
CG4123	polyphosphate phosphatase * 2e-23 multiple inositol polyp [acid_phosphat] CG4123 GH04949 77A1-77A1 dup:4/7 ID:33C7
0020	+ unknown * COP-COATED VESICLE MEMBRANE PROTEIN P24 PRECURSOR (P24A) (RNP21.4)(aa) * 3e-21
	EM24_YEAST ENDOSOMAL P24B PROTEIN PRECURSOR (24 KD ENDOMEMBRANE PROTE [EMP24_GP25L] CG3564
CG3564	GH04989 4C4-4C4 ID:33D2

CG14724	+ CoVa enzyme * 2e-14 COX6_YEAST CYTOCHROME C OXIDASE POLYPEPTIDE VI PRECURSOR cy * 6e-81 cytochrome c oxidase subunit Va preprotein melanogaste * 6e-27 predicted u CG14724 GH05011 86F10-86F11 ID:33D5
	+ endopeptidase * DMSER2_7 Ser99Db * 2e-45 serine proteinase (EC 3.4.21) precursor - fruit fly (Drosophila melanogast * 9e-24 similar to peptidase family S1 (tr[trypsin // CHYMOTRYPSIN // TRYPSIN_SER] CG10472 GH05321 65A2-65A2 dup:2/2
CG10472	ID:33E11
00.0	+ unknown * hypothetical PSU1-like protein(aa) * similar to Bacterial mutT protein; cDNA EST yk352h11.5 comes from this
CG6169	gene; cDNA EST comes from this gene; c [NLS_BP] CG6169 GH05133 72A1-72A1 dup:6/6 ID:33E3
CG18251	+ Msp-300 unknown * CG18251 GH05169 25C8-25C8 dup:2/2 ID:33E5
	+ Scs-fp enzyme * succinate dehydrogenase (ubiquinone) (EC 1.3.5.1) flavoprotein precursor, mitochondrial - bovine(aa) *
	DMSUCDEHF Scs-fp * DHSA_YEAST SUCCINATE DEHY [FADPNR // PNDRDTASEI // FAD_binding_2 /] CG17246 GH05404
CG17246	56D4-56D4 dup:3/3 ID:33F2
CG10151	+ unknown * [GRAM_POS_ANCHORING // ATP_GTP_A] CG10151 GH05433 51C2-51C2 ID:33F6
CG8740	+ BcDNA:GH05582 motor_protein * [NLS_BP] CG8740 GH05582 44E1-44E1 dup:5/6 ID:33G4
CG5867	+ BcDNA:GH05536 unknown * 0.0000002* 3e-06 DMRNAPER_2 anon-3B1.2 * * CG5867 GH05588 34A10-34A11 ID:33G5
CG3364	+ unknown * CG3364 GH05668 42D5-42D6 ID:33G9
	+ motor_protein * 7e-15 cytoplasmic dynein intermediate chain isoform DIC2b * 7e-15 similar to the beta transducin family * 3
CG9313	14 cytoplasmic dynein intermediate chai [NLS_BP // WD40] CG9313 GH05829 57B14-57B14 ID:33H12
	+ BcDNA:GH05741 enzyme * agr;-Est10 * 8e-48 alpha esterase * 6e-46 ACE1_CAEEL ACETYLCHOLINESTERASE
CG4757	PRECURSOR (ACHE) acetyl * 3e-54 ACES_MOUSE ACETYLCHOLINESTERASE PRECURSOR [CARBOXYLESTERASE_B_1 // COe] CG4757 GH05741 86D4-86D5 ID:33H7
CG4131	+ peptidase * ANGIOTENSIN-CONVERTING ENZYME PRECURSOR, TESTIS-SPECIFIC (ACE-T) (DIPEPTIDYL
	CARBOXYPEPTIDASE I) (KININASE II)(aa) * metallopeptidase(aa) * ANGIOTEN [PEPDIPTASEA // Peptidase_M2 // T2SP_F]
CG10142	CG10142 GH05754 60E3-60E4 ID:33H9
00.0	+ cell_adhesion * neurexin III beta precursor (clone pB794-5) - bovine(aa) * DMFAT_2 ft * CadN * similar to IG
	(immunoglobulin) superfamily (17 domains), Low-densi[EGF // PRO_RICH // laminin_G // LAM_G_D] CG7050 GH05937 94B4-94E
CG7050	dup:1/4 ID:34A10
	+ signal_transduction * TOM1(aa) * 2e-17 YHQ8_YEAST HYPOTHETICAL 64.3 KD PROTEIN IN CDC12-ERP5
	INTERGENIC REGION * 2e-62 weak similarity to yeast hypothetical protein in C [VHS // HRS_DOMAIN] CG3529 GH05942 67B4-
CG3529	67B4 ID:34A11
CG15900	+ unknown * CG15900 GH05918 41E4-41E4 ID:34A6
200500	+ unknown * SEC14 (S. cerevisiae)-like(aa) * HYPOTHETICAL 84.0 KD PROTEIN T23G5.2 IN CHROMOSOME III(aa) * 4e-2
CG9528	pdb 1AUA Phosphatidylinositol Transfer Protein [CRAL_TRIO] CG9528 GH05975 26D3-26D4 ID:34B2
	+ endopeptidase * human factor XII(aa) * 7e-31 masquerade precursor - fruit fly (Drosophila melanogaster) * 2e-05 similar to Trypsin * 5e-25 MCT6_MOUSE MAST CELL PRO [trypsin // CHYMOTRYPSIN // TRYPSIN_CATA] CG6639 GH06092 36C2-36C2
CG6639	ID:34C3
CG7908	+ endopeptidase * 8e-41 kuzbanian * 1e-93 coded for by C. elegans cDNA yk187d12.5; coded for by C. elegans cDNA
CG1 300	T elidopeptidase of the Ruzballian le-33 coded for by O. diegans collection ykitoratz.3, coded for by O. diegans collection

	yk187d12.3 * 1e-143 TNF-alpha converting enzyme (TACE) [DISINTEGRINS_2 // ADAM_MEPRO // ZINC_PR] CG7908 GH06244
	99D3-99D3 ID:34D2
0044070	+ RpS4 ribosomal_protein * DMRPS4_1 RpS4 * 1e-113 RS4E_YEAST 40S RIBOSOMAL PROTEIN S4 (S7) (YS6) (RP5) ribos * 1e-149 RS4_DROME 40S RIBOSOMAL PROTEIN S4 ribosomal protein S4 - [RIBOSOMAL_S4E // Ribosomal_S4e] CG11276
CG11276	GH06551 69F2-69F2 ID:34F6 + enzyme * 2e-69 similar to 3-HYDROXYISOBUTYRATE DEHYDROGENASE PRECURSOR (EC 1.1.1. * 2e-77 D3HI_RAT 3
CG15093	HYDROXYISOBUTYRATE DEHYDROGENASE PRECURSOR (HIBADH) * mm [6PGDHDRGNASE] CG15093 GH06781 55F1-55F1 ID:34G10
CG1163	+ RpABC14 CG1163 GH06755 ID:34G8
CG1103	+ KPABC 14 CG 1163 GH00755 ID.54G6 + unknown * 6e-10 microfilarial chitinase * microfilarial chitinase * CHIT_BRUMA ENDOCHITINASE PRECURSOR (MF1
CG14125	ANTIGEN) chitinas * CG14125 68E3-68E3 dup:2/2 ID:34H10
CG12279	+ chaperone HEAT SHOCK PROTEIN 67B2 RHODANESE, RHODANESE 2 CG12279 dup:2/2 ID:34H6
CG8547	+ DNA_binding * [PRENYLATION] CG8547 50F-50F dup:1/3 ID:35A2
CG3672	+ structural_protein * 7e-10 cuticular protein * * CG3672 67B2-67B2 dup:1/2 ID:35A3
	+ cytoskeletal_structural_protein * hypothetical protein(aa) * BRCA1 associated protein(aa) * HYPOTHETICAL 141.2 KD PROTEIN EEED8.9 IN CHROMOSOME II(aa) * HYPOTHETI[zf-C3HC4 // SPEC_REPEAT // ZF_UBP // ZF] CG5555 GH07062
CG5555	91F6-91F7 dup:1/2 ID:35A7
CG9921	+ unknown * 6e-05 HSPC010 * 1e-05 putative protein * CG9921 GH07174 14B15-14B15 ID:35B4
	+ ribosomal_protein * Similar to 40S ribosomal protein S29; coded for by C. elegans cDNA cm10c2; coded for by C. elegans cDNA yk61d8.5; coded for by C. elegans cDNA yk10 [RIBOSOMAL_S14 // Ribosomal_S14] CG8495 GH07263 86D1-86D1 dup:1/:
CG8495	ID:35C1
CG18444	+ alphaTryunknown * CG18444 GH07737 47F1-47F1 dup:2/2 ID:35E12
	+ BcDNA:GH07643 endopeptidase * unknown(aa) * 1e-59 similar to Zinc-binding metalloprotease; cDNA EST come * 1e-132 NEP_MOUSE NEPRILYSIN (NEUTRAL ENDOPEPTIDASE) (NEP) (ENKE[NEPRILYSIN // ZINC_PROTEASE // Peptidas] CG976
CG9761	GH07643 82D6-82D7 dup:2/2 ID:35E5
CG8108	+ BcDNA:GH07921 RNA_binding * homeobox-containing protein Wariai(aa) * 3e-05 PEP_DROME ZINC FINGER PROTEIN ON ECDYSONE PUFFS PEP prote * 3e-05 Pep protein - fruit fly (Dr[ZINC_FINGER_C2H2 // NLS_BP // CYTOCHROM] CG8108
CG6106	GH07921 67C3-67C3 dup:1/4 ID:35G10 + EG:BACN32G11.6 unknown * BACN32G11.c * 1e-53 protein * BACN32G11.l * BACN32G11.m [AA_TRNA_LIGASE_I] CG1478
CG14789	GH07929 2B1-2B1 ID:35G12
0011100	+ endopeptidase * 1e-42 TRYZ_DROME TRYPSIN ZETA PRECURSOR trypsin-zeta * 4e-08 coded for by C. elegans cDNA
	cm04e9; coded for by C. elegans cDNA CESAC59F * 5e-36 tryp [trypsin // CHYMOTRYPSIN // TRYPSIN_HIS] CG7829 GH07957
CG7829	99C5-99C5 ID:35H1
	+ unknown * similar to Protein phosphatase 2C (2 domains); cDNA EST yk279g8.5 comes from this gene(aa) *
CG12091	HYPOTHETICAL 41.2 KD PROTEIN IN ERG7-NMD2 INTERGENIC R CG12091 GH07996 62A6-62A6 ID:35H5
CG3223	+ unknown * [UBA // PHOSPHOPANTETHEINE] CG3223 GH08043 84E6-84E6 dup:1/2 ID:35H7

CG8725	+ CH4 * COP9 complex subunit 4(aa) * COP9 complex homolog subunit DCH4(aa) * 5e-12 hypothetical protein YDL147w - yeast (Saccharomyces cerevisiae) * 7e-13 [PCI_DOMAIN // PCI] CG8725 43F8-43F8 dup:1/2 ID:37A9
	+ peptidase * 1e-34 membrane dipeptidase (EC 3.4.13.19) precursor - mouse * 4e-35 MDP1_HUMAN MICROSOMAL DIPEPTIDASE PRECURSOR (MDP) (DEHYDROPEPTIDASE-I) (RENAL DI [Renal_dipeptase] CG5282 GH09573 77B9-77C1
CG5282	ID:37B3
0044000	+ unknown * CGI-101 protein(aa) * 2e-10 hypothetical protein YDR411c - yeast (Saccharomyces cerevisiae) (U * 5e-79
CG14899	putative NADH oxidoreductase complex I subuni CG14899 GH09689 89C6-89C6 ID:37C3 + unknown * HYPOTHETICAL 18.9 KD PROTEIN R07E5.13 IN CHROMOSOME III(aa) * hypothetical protein(aa) * CGI-129
CG14290	protein(aa) * 3e-25 YGI0 YEAST HYPOTHETICAL 15.0 K CG14290 GH10244 91D4-91D4 ID:37F9
	+ enzyme * NADH-UBIQUINONE DEHYDROGENASE KD SUBUNIT PRECURSOR(aa) * NADH-UBIQUINONE
00==00	OXIDOREDUCTASE KD SUBUNIT PRECURSOR(aa) * NADH-UBIQUINONE OXIDOREDUCTASE KD [COMPLEX1_24K //
CG5703	complex1_24kD // NLS_BP] CG5703 16B10-16B10 dup:1/3 ID:37G5
	+ electron_transfer * NADH-UBIQUINONE OXIDOREDUCTASE KD SUBUNIT PRECURSOR (COMPLEX I-39KD) (CI-39KD)(aa) * 9e-70 NUEM HUMAN NADH-UBIQUINONE OXIDOREDUCTASE KD SUBUNIT PREC CG6020 GH10437 77C3-
CG6020	77C3 ID:37H12
000020	+ transporter * No definition line found(aa) * sodium-dependent multi-vitamin transporter(aa) * unknown(aa) * sodium-
CG5687	dependent multivitamin transporter(aa) [NA_SOLUTE_SYMP_3] CG5687 GH10366 62B10-62B10 ID:37H5
CG6440	+ neuropeptide_hormone * leucomyosuppressin precursor(aa) * * CG6440 GH10451 98B1-98B1 ID:38A1
	+ nAcRbeta-64B ion_channel * ACH3_DROME ACETYLCHOLINE RECEPTOR PROTEIN, BETA-LIKE CHAIN PRECURSOR *
00/000	1e-97 similar to neuronal acetylcholine receptor * 1e-78 neuronal n[NICOTINICR // neur_chan // NEUROTR_ION_] CG12606
CG12606	GH10531 64B11-64B11 dup:1/2 ID:38A12
CG10562	+ unknown * /match=(desc:; /match=(desc:(aa) * 5e-21 /match=(desc:; /ma * 1e-05 predicted using Genefinder * No definition line found CG10562 GH10454 96C8-96C8 ID:38A2
0010302	+ enzyme * 405aa long hypothetical succinyl-CoA synthetase beta chain(aa) * PROBABLE SUCCINYL-COA LIGASE (GDP-
CG11963	FORMING), BETA-CHAIN PRECURSOR (SUCCINYL-COA SYNT [ligase-CoA] CG11963 GH10480 85C1-85C2 ID:38A5
	+ unknown * unknown product related to TRA1 protein(aa) * 3e-07 YJ70_YEAST HYPOTHETICAL 37.5 KD PROTEIN IN
CG1893	YUH1-URA8 INTERGENIC REGION * 5e-40 cDNA EST yk383g8. CG1893 GH10494 63B5-63B5 ID:38A7
	+ ligand_binding_or_carrier * GLYCEROL-3-PHOSPHATE DEHYDROGENASE, MITOCHONDRIAL PRECURSOR (GPD-M)
CG8256	(GPDH-M)(aa) * 1e-112 GPDM_YEAST GLYCEROL-3-PHOSPHATE DEHYDROGENAS[FAD_G3PDH_1 // FADG3PDH // FAD_G3PDH_2] CG8256 GH10595 52D2-52D3 dup:2/2 ID:38B3
CG0230	+ unknown * 1e-45 YABC ECOLI HYPOTHETICAL 34.9 KD PROTEIN IN FRUR-FTSL INTERGENIC REGION (ORFB) >g *
CG14683	1E-170* hypothetical protein * hypothetical protein CG14683 GH10770 86C2-86C2 ID:38C10
	+ ligand_binding_or_carrier * 1e-31 peptidyl-dipeptidase A (EC 3.4.15.1) 67k precursor - fruit fly (Drosophila me * 6e-09 codec
CG9047	for by C. elegans cDNA yk27b10.3; coded for by C. [PRO_RICH] CG9047 GH10774 60E3-60E3 dup:1/3 ID:38C11
	+ BcDNA:GH10777 protein_kinase * 2e-13 KB9S_YEAST PROBABLE SERINE/THREONINE-PROTEIN KINASE YBR274W * 7e-
CG14992	69 tyrosine kinase * 8e-73 YWR1_CAEEL PUTATIVE TYROSINE-PROTEIN KI[UBA // PROTEIN_KINASE_TYR // TYRKINASE] CG14992 GH10777 64A8-64A9 dup:2/5 ID:38C12
0014332	00 14882 01110111 04A0-04A8 00p.2/3 ID.30012

007440	+ unknown * protein(aa) * cDNA EST yk269g12.5 comes from this gene; cDNA EST comes from this gene; cDNA EST comes
CG7146	from this gene; cDNA EST comes from this gene CG7146 GH10703 90F6-90F6 ID:38C3 + unknown * No definition line found(aa) * putative protein(aa) * 5e-71 putative protein * hypothetical protein CG6910
CG6910	GH10741 68F7-68F7 dup:1/2 ID:38C7
	+ endopeptidase * PROBABLE CLPP-LIKE PROTEASE (ENDOPEPTIDASE CLP)(aa) * PUTATIVE ATP-DEPENDENT CLP
	PROTEASE PROTEOLYTIC SUBUNIT, MITOCHONDRIAL PRECURSOR (ENDOPEPTIDAS [CLP_protease //
CG5045	CLP_PROTEASE_SER // CLP] CG5045 GH10833 31D10-31D10 ID:38D2
	+ enzyme * 2e-56 UCRI_YEAST UBIQUINOL-CYTOCHROME C REDUCTASE IRON-SULFUR SUBUNIT PRECURSOR
0.0	(RIESK * 2e-60 contains similarity to Rieske iron-sulfur proteins * [RIESKE_1 // Rieske // RIESKE_] CG7361 GH10847
CG7361	22E1-22E1 ID:38D6
007700	+ enzyme * DEOXYRIBONUCLEASE II PRECURSOR (DNASE II) (ACID DNASE) (LYSOSOMAL DNASE II)(aa) * 2e-48
CG7780	YKU5_CAEEL HYPOTHETICAL 41.5 KD PROTEIN C07B5.5 IN CHROMOSOM CG7780 GH10876 90D-90D ID:38D8
000040	+ BcDNA:GH11110 RNA_binding * 6e-06 heterogeneous nuclear RNP protein clone pHRP40.2 - fruit fly (Drosophila melan * 2e-25
CG2910	contains similarity to RNA recognition motifs (Pfam; rr [RBD // rrm] CG2910 GH11110 43F7-43F8 dup:1/3 ID:38F3
CG1927	+ BcDNA:GH11112 unknown * CG1927 GH11112 62B11-62B11 ID:38F4
	+ receptor * 7e-29 Contains similarity to Pfam domain: (thyroglobulin_1), * 9e-29 testican * 9e-29 testican - human * 6e-09 HG2A_RAT H-2 CLASS II HISTOCOMPATIBIL [thyroglobulin_1 // THYROGLOBULIN_1 // k] CG13830 GH11316 94D13-94E
CG13830	dup:1/2 ID:38G11
0013030	+ Ugt35b enzyme * antennal-enriched UDP-glycosyltransferase melanogas * 3e-31 similar to UDP-glucuronosyltransferase * 5e-6
CG6649	UDB5_MOUSE UDP-GLUCURONOSYLTRANSFERASE 2B [UDPGT] CG6649 GH11333 86D5-86D5 ID:38H1
000010	+ endopeptidase * encodes a-cell barrier activity on alpha factor; Bar1p(aa) * similar to eukaryotic aspartyl proteases(aa) *
CG13095	BLASTX 1.4E-29 PEP4 Protease A (PrA) (y [asp // ASP_PROTEASE // PEPSIN] CG13095 GH11417 29D1-29D1 ID:38H11
	+ enzyme * HYPOTHETICAL 37.1 KĎ PROTEIN ZK892.4 IN CHROMOSOME III(aa) * 3e-53 similar to L-carnitine
CG9319	dehydratase; cDNA EST yk206h7.5 comes from * 9e-87 alpha-m CG9319 GH11368 38E4-38E4 ID:38H4
	+ vkg cell_adhesion * DMINTGRNB_2 Cg25C * vkg * collagen type IV alpha * 7e-25 Similar to cuticular collagen; F58F6.2
CG16858	[COLLAGEN_REP // Collagen // C4] CG16858 GH11516 25C1-25C1 ID:39A7
CG12907	+ unknown * 1E-145* * [PRO_RICH // NLS_BP] CG12907 GH11521 47A-47A ID:39A8
	+ * 1e-29 cDNA EST yk428d5.3 comes from this gene; cDNA EST yk428d5.5 comes * 3e-12 conserved hypothetical secreted
CG13865	protein pylori * putative pylori * c CG13865 cyto_unknown dup:3/3 ID:39B1
	+ enzyme * contains similarity to CDP-alcohol phosphotransferases(aa) * aminoalcoholphosphotransferase(aa) * 4e-24 sn-
007440	1,2-diacylglycerol cholinephosphotransf [CDP_ALCOHOL_P_TRANSF // CDP_ALCOHOL_P_T] CG7149 GH11618 28C8-28C9
CG7149	ID:39B5
0040400	+ unknown * HSPC017(aa) * 5e-35 YOY9_CAEEL PUTATIVE UBIQUINONE BIOSYNTHESIS METHLYTRANSFERASE
CG12162	ZK652.9 * 4e-17 apaG protein * APAG_ECOLI APAG PROTEIN apaG prote CG12162 GH11824 83A8-83A9 ID:39C7 + unknown * 4-HYDROXYPHENYLPYRUVATE DIOXYGENASE (4HPPD) (HPD)(aa) * 4-hydroxyphenylpyruvate-
	dioxygenase(aa) * 1e-139 HPPD_CAEEL 4-HYDROXYPHENYLPYRUVATE DIOXYGE CG11796 GH11957 77C1-77C1 dup:2/2
CG11796	ID:39D6
0011730	10.0000

	+ unknown * 2e-12 HNK-1 sulfotransferase HNK-1 sulfotransferase * 2e-12 HNK-1 sulfotransferase * [PRO_RICH] CG14024
CG14024	GH11985 25D4-25D5 ID:39D8
CG1146	+ unknown * CG1146 GH12037 62E6-62E6 ID:39D9
	+ EG:115C2.11 unknown * 2e-37 hypothetical protein YOL133w - yeast (Saccharomyces cerevisiae) * 9e-60 /match=(desc: * 8e-50
CG16982	Similarity to yeast hypothetical protein PIR acc [ZF_RING] CG16982 GH12110 1B10-1B10 dup:2/2 ID:39E4
	+ BcDNA:GH12144 unknown * Contains similarity to Pfam domain: (TPR), Score=38.0, E-value=6.9e-08, N=6(aa) * weakly similar
CG4341	to E. nidulans bimA gene product * * [TPR_REGION // TPR_REPEAT] CG4341 GH12144 21D4-21E dup:3/3 ID:39E7
	+ cher actin_binding * contains similarity to the x aa approximate repeats found in human filamin * filamin, Mueller cell - chicken(aa) * filamin (actin-binding protein[Filamin // FILAMIN_REPEAT // GRAM_POS_A] CG3937 GH12209 92D1-92D1 dup:2/5
CG3937	ID:39F1
CG17841	+ BcDNA:GH12326 unknown * CG17841 GH12326 9B14-9B15 dup:2/2 ID:39F7
0017041	+ CBP calcium_binding * CBP * sarcoplasmic calcium-binding protein(aa) * 1e-161 sarcoplasmic calcium-binding protein * 4e-23
	SCP_PERVT SARCOPLASMIC CALCIUM-BINDING PROTEIN [EF_HAND // NLS_BP // efhand // EF_HAND_] CG1435 GH1235(
CG1435	7A4-7A4 ID:39F9
	+ enzyme * antennal-specific short-chain dehydrogenase/reductase(aa) * 3e-11 YM71_YEAST HYPOTHETICAL
	OXIDOREDUCTASE IN MRPL44-MTF1 INTERGENIC REGION * 7e-08 Si [GDHRDH // adh_short] CG12466 GH12380 20B1-20B
CG12466	dup:1/2 ID:39G1
	+ enzyme * D-ASPARTATE OXIDASE (DASOX) (DDO)(aa) * D-AMINO ACID OXIDASE (DAMOX) (DAO) (DAAO)(aa) *
0044000	similar to D-amino acid oxidase(aa) * D-aspartate oxidase i [DAO // FMOXYGENASE // PROTEIN_KINASE_AT] CG11236
CG11236	GH12548 28E7-28E7 ID:39G11 + BcDNA:GH12558 enzyme * MITOCHONDRIAL TRIFUNCTONAL ENZYME ALPHA SUBUNIT PRECURSOR (TP-ALPHA) LONC
	CHAIN ENOYL-COA HYDRATASE; LONG CHAIN 3-HYDROXYACYL-COA DEHYDROGENASE * s [ECH // 3HCDH //
CG4389	ENOYL_COA_HYDRATASE] CG4389 GH12558 30B12-30B12 ID:39G12
	+ signal_transduction * 1e-115 disc growth factor * 2e-14 CHIT_CAEEL PUTATIVE ENDOCHITINASE coded for by C. elegan
CG5154	* 7e-26 BRP39 protein - mouse BRP39 protein m * 5e-30 Ch [Glyco_hydro_18] CG5154 GH12410 55C9-55C9 ID:39G4
	+ enzyme * DMC23E12 * gamma-glutamyltransferase (EC 2.3.2.2) precursor - rat(aa) * gamma-glutamyl transpeptidase (EC
CG4829	2.3.2.2)(aa) * gamma-glutamyl transpeptida [G_glu_transpept] CG4829 GH12430 15A8-15A8 dup:1/2 ID:39G5
000440	+ metabolism * 4e-05 epithin * 7e-06 gp330 precursor * 4e-05 complement C3b/C4b inactivator (EC 3.4.21) precursor -
CG3116	African clawed frog > * 1e-05 yl [LDLRA_2 // LDLRA_1] CG3116 GH12701 77F2-77F2 dup:2/3 ID:40A11
CG18374	 unknown * CG18374 GH12641 61A5-61A5 ID:40A2 translation_factor * UNKNOWN(aa) * 7e-86 inserted at base Both 5' and 3' ends of P element Inverse PCR * eukaryotic
CG12131	translation initiation factor eIF3, p35 subunit * CG12131 GH12681 46C10-46C11 ID:40A7
0012101	+ protein phosphatase * Hop * DMPPY 2 PpY-55A * serine/threonine protein phosphatase PPT1(aa) * 7e-88 PPT1 YEAST
	SERINE/THREONINE PROTEIN PHOSPHATASE T (PPT) [TPR_REGION // PHOSPHO_ESTER // STPHPHTA] CG8402
CG8402	GH12714 85E6-85E6 ID:40B1
	+ peptidase * 1e-112 APE2_YEAST AMINOPEPTIDASE II (YSCII) aminopeptidase yscII * 1e-110 Similarity to Human
CG8775	aminopeptidase N (SW:AMPN_HUMAN); cDNA EST EMB * 1e-16 [ALADIPTASE // Peptidase_M1 // ZINC_PROT] CG8775

GH12821 87E6-87E6 du	ip:2/2 ID:40B8
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	GH 12621 67 E0-67 E0 dup.2/2 1D.40B6
	+ signal_transduction * centaurin beta 1A(aa) * BLASTX 1.6E-48 Human mRNA for gene, partial cds.(dna) * HYPOTHETICAL
CG6742	PROTEIN * centaurin beta2(aa) [ANK_REP // ArfGap // GLYCOSYL_HYDROL_F5] CG6742 GH12888 94E-94E dup:1/2 ID:40C1
	+ unknown * 9e-07 PAC2_YEAST PAC2 PROTEIN PAC2 protein - yeast (Saccharomy * 3e-46 No definition line found * 1e-2(
CG12214	tubulin-specific chaperone e cofactor E * CG12214 GH13040 46F1-46F1 dup:1/2 ID:40C10
CG5506	+ unknown * CG5506 GH13083 75A6-75A6 ID:40C12
CG6306	+ unknown * CG6306 GH12946 17B1-17B1 ID:40C7
CG6575	+ Gliolectin unknown * Gliolectin * gliolectin(aa) * 1e-99 Gliolectin * CG6575 GH13232 93F-93F ID:40D12
	+ Cyp6w1 cytochrome_P450 * Cyp6-like * 1e-112 CYP6-like microsomal cytochrome P450 * 2e-45 predicted using Genefinder;
	similar to cytochrome P450 * 5e-62 cytochrome P450 3A13 [EP450II // p450 // P450 // MITP450 // C] CG8345 GH13192 42A10-
CG8345	42A10 ID:40D6
	+ translation_factor * translation initiation factor eIF3 subunit; Tif35p(aa) * 7e-28 IF35_YEAST EUKARYOTIC TRANSLATION
CG10881	INITIATION FACTOR RNA-BINDING SUBUNIT (EIF- * 6e-34 [RNP_1 // RBD // rrm] CG10881 GH13208 92E3-92E3 ID:40D8
	+ translation_factor * BLASTX 4.7E-83 Human translation initiation factor eIF3 p66 subunit mRNA, complete cds.(dna) *
CG10161	HYPOTHETICAL 64.2 KD PROTEIN R08D7.3 IN CHROMOSOME II CG10161 GH13209 97D8-97D8 dup:3/4 ID:40D9
00-0-4	+ unknown * insect intestinal mucin IIM22(aa) * putative cell surface glycoprotein; Sed1p(aa) * 71(aa) * GLYCOPROTEIN X
CG7874	PRECURSOR(aa) CG7874 GH13361 18B6-18B6 dup:2/2 ID:40E12
	+ Thiolaseenzyme * Thiolase * thiolase(aa) * 3e-37 THIL_YEAST ACETYL-COA ACETYLTRANSFERASE (ACETOACETYL-COA
CG4581	THIOLASE) * 1e-140 YKA3_CAEEL HYPOTHETICAL 47.9 KD PROTEIN [thiolase] CG4581 GH13256 60A6-60A6 dup:2/2 ID:40E2
CG4561	+ enzyme * LYSOSOMAL ACID PHOSPHATASE PRECURSOR (LAP)(aa) * acid phosphatase 2, lysosomal(aa) * 8e-60 acid
	phosphatase (EC 3.1.3.2) Acph-1 precursor, lysosomal [HIS_ACID_PHOSPHAT_1 // acid_phosphat] CG9451 GH13318 76B6-76B
CG9451	dup:2/2 ID:40E7
CG10513	+ unknown * /match=(desc:; /match=(desc:(aa) * 1e-36 /match=(desc:; /ma * * CG10513 GH13495 96C7-96C7 ID:40F11
CG5903	+ unknown * 6e-06 K02F3.10 gene product * * CG5903 GH13386 89B9-89B9 ID:40F3
CG3903	+ enzyme * MALATE OXIDOREDUCTASE, CHLOROPLAST PRECURSOR (MALIC ENZYME) (ME) (NADP-DEPENDENT
	MALIC ENZYME) (NADP-ME)(aa) * malic enzyme(aa) * 4e-86 MAOX_YEAST [MALOXRDTASE // malic // ATP_GTP_A] CG5889
CG5889	GH13437 97E11-97F ID:40F4
	+ Fpps enzyme * 8e-80 FPPS_YEAST FARNESYL PYROPHOSPHATE SYNTHETASE (FPP SYNTHETASE) (FPS) (FARNESY
	DI * farnesyl pyrophosphate synthase melanogas * 2e-37 predicted [polyprenyl_synt // POLYPRENYL_SYNTHET_1] CG12389
CG12389	GH13450 47E5-47E6 dup:2/2 ID:40F5
CG7021	+ Ela unknown * [COLLAGEN_REP] CG7021 GH13458 96B4-96B4 ID:40F7
	+ DNA_repair_protein * 2e-29 CHL1_YEAST CHL1 PROTEIN CHL1 protein - yeast (Saccharomyce * 1e-31 /match=(desc:;
CG4078	/ma * 1e-112 similar to DEAH-type helicase; cDNA EST comes f [PHOSPHOPANTÉTHEINE] CG4078 GH13485 5B3-5B3 ID:40F8
	+ Pgi enzyme * glucosephosphate isomerase(aa) * DMPGIAAAA_11 * glucose-6-phosphate isomerase(aa) * G6PI_YEAST
CG8251	GLUCOSE-6-PHOSPHATE ISOMERASE (GPI) (PHOSPHOGLUCOSE [PGI // P_GLUCOSE_ISOMERASE_1 // P_GLUCO]

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000000	+ ligand_binding_or_carrier * TRANSFERRIN PRECURSOR(aa) * transferrin precursor(aa) * transferrin precursor(aa) *
CG3666	transferrin precursor(aa) [PROTEIN_SPLICING] CG3666 GH13735 52F10-52F10 ID:40H1
	+ Orc2 DNA_replication_factor * recognition complex, subunit (yeast homolog)-like(aa) * ORIGIN RECOGNITION COMPLEX
	PROTEIN, SUBUNIT (XORC2)(aa) * Orc2 * ORIGIN RECOGNITION COMPLE[ALDOKETO_REDUCTASE_3 // SUBTILASE_ASP
CG3041	CG3041 GH13824 88A4-88A4 ID:40H11
	+ glutathione_transferase * predicted using Genefinder; similar to Glutathione S-transferases.(aa) * 2e-11 YKJ3_CAEEL
CG6662	HYPOTHETICAL 42.8 KD PROTEIN C02D5.3 IN CHROMOSOME III * 7 [GST] CG6662 66D5-66D5 dup:2/2 ID:40H2
	+ bun transcription_factor * shortsighted class 2(aa) * DMSHSA_5 bun * shortsighted class * 2e-07 protein [TSC22] CG5461
CG5461	GH13775 33E-33E6 ID:40H5
	+ unknown * 3e-66 EMP70 protein precursor - yeast (Saccharomyces cerevisiae) * 2e-88 Similarity to Yeast endosomal P24A
CG10590	protein (SW:EM70_YEAST); cDNA E * 4e-93 [CRYSTALLIN_BETAGAMMA] CG10590 GH13842 64E3-64E3 ID:41A2
	+ Odc1 enzyme * ornithine decarboxylase(aa) * ornithine decarboxylase(aa) * Ornithine decarboxylase; Spe1p(aa) * ornithine
CG8721	decarboxylase(aa) [ODR_DC_2_1 // ODR_DC_2_2 // Orn_DAP_Arg] CG8721 GH13851 43F9-44A1 dup:2/2 ID:41A4
	+ G-oalpha65A signal_transduction * GUANINE NUCLEOTIDE-BINDING PROTEIN G(O), ALPHA SUBUNIT(aa) * DMGAS02_13
	G-o agr;65A * 1e-124 predicted using Genefinder; Similarity to [GPROTEINA // G-alpha // GPROTEINAQ // G] CG10060 GH13864
CG10060	65D5-65D6 dup:1/2 ID:41A5
CG10121	+ SP1173 unknown * CG10121 GH14073 65C1-65C1 dup:2/2 ID:41B11
	+ peptidase * lysosomal Pro-X carboxypeptidase - like protein(aa) * similar to alpha/beta hydrolase fold(aa) * 1e-77 similar to
CG9953	lysosomal carboxypeptidase; cDNA [ESTERASE // abhydrolase] CG9953 GH14014 65D5-65D5 ID:41B7
CG2176	+ unknown * CG2176 GH14263 99E2-99E2 ID:41C11
	+ v enzyme * DMVERM_2 v * VERM_DROME TRYPTOPHAN 2,3-DIOXYGENASE (TRYPTOPHAN PYRROLASE)
	(VERMILION PROTEIN) * 1e-102 T23O_CAEEL PUTATIVE TRYPTOPHAN 2,3-DIOXYGENA CG2155 GH14143 9F13-10A1
CG2155	ID:41C4
	+ MvI unknown * MALVOLIO PROTEIN(aa) * MvI * 7e-42 SMF1_YEAST TRANSPORTER PROTEIN SMF1/ESP1 vacuolar trans
	* 1e-140 similar to M. musculus transport system membrane [NATRESASSCMP // ATP_GTP_A] CG3671 GH14215 93B5-93B7
CG3671	ID:41C8
	+ unknown * BLASTX 9.9E-08 Human mRNA for hU1-70K snRNP protein (RNP8).(dna) * * [NLS_BP] CG12239 GH14380
CG12239	5B8-5B8 ID:41D11
	 enzyme * Depressed growth-rate protein; Deg1p(aa) * PROBABLE PSEUDOURIDYLATE SYNTHASE E02H1.3
	(PSEUDOURIDINE SYNTHASE)(aa) * 6e-54 PUS3_YEAST PSEUDOURIDYLATE [PseudoU_synth_1] CG3045 GH14326 58C5-
CG3045	58C5 dup:2/2 ID:41D5
	+ unknown * TEGT(aa) * 3e-31 testis enhanced gene transcript protein * 3e-29 TEGT * testis enhanced gene transcript T
CG7188	[UPF0005] CG7188 GH14327 66C6-66C6 ID:41D6
	+ ribosomal_protein * 60S RIBOSOMAL PROTEIN YL35 (L37A)(aa) * 60S RIBOSOMAL PROTEIN L37A(aa) * 3e-31
CG5827	ribosomal protein L37a 60S RIBOS * 1e-33 60S ribosomal protein L37A CG5827 GH14367 25C4-25C4 ID:41D9
CG10664	+ enzyme * cytochrome c oxidase subunit IV(aa) * CYTOCHROME C OXIDASE POLYPEPTIDE IV PRECURSOR(aa) * 2e-22

	COX4_MOUSE CYTOCHROME C OXIDASE POLYPEPTIDE IV PRECU CG10664 GH14536 38A8-38A8 dup:2/2 ID:41E11
CG18525	+ unknown * CG18525 GH14439 88E7-88E7 dup:2/2 ID:41E4
CG1552	+ unknown * CG1552 GH14443 10A-10A dup:2/2 ID:41E5
	+ unknown * HNK-1 sulfotransferase(aa) * 1e-20 HNK-1 sulfotransferase HN * * [NLS_BP] CG4826 GH14503 36A11-36A11
CG4826	dup:3/3 ID:41E9
CG10675	+ motor_protein * 2e-17 /match=(desc:; /ma * * CG10675 GH14673 96C9-96C9 ID:41F11
CG1670	+ ligand_binding_or_carrier * [PBP_GOBP] CG1670 GH14595 19D2-19D2 ID:41F4
	+ ribosomal_protein * similar to Ribosomal protein L7Ae; cDNA EST comes from this gene(aa) * 2e-18 NHP2_YEAST HIGH
	MOBILITY GROUP-LIKE NUCLEAR PROTEIN hi * 2e-27 similar [Ribosomal_L7Ae // L7ARS6FAMILY // NUCLE] CG5258
CG5258	GH14757 70F6-70F6 ID:41G10
	+ endopeptidase * DMSER2_7 Ser99Db * 1e-57 serine proteinase (EC 3.4.21) precursor - fruit fly (Drosophila melanogast *
CG3088	1e-15 KAL_MOUSE PLASMA KALLIKREIN PRECURSOR [trypsin // CHYMOTRYPSIN // TRYPSIN_CATA] CG3088 GH14734 67B9-67B9 ID:41G7
CG3000	+ unknown * 3e-06 LBM_DROME LATE BLOOMER PROTEIN late bloomer me * 4e-08 lbm * * [transmembrane4 // TMFOUI
CG12840	// TM4 2] CG12840 GH14950 42E2-42E2 ID:41H10
0012010	+ enzyme * Yjr105wp(aa) * Similarity to Human adenosine kinase cDNA EST comes from this gene; cDNA EST comes from
	this gene; cDNA EST comes from this gene; cD [PFKB_KINASES_2 // ADENOKINASE // pfkB] CG11255 GH14845 69F2-69F2
CG11255	ID:41H4
	+ Cyp6g1 cytochrome_P450 * CYP6-like microsomal cytochrome P450 * 1e-33 YRV5_CAEEL PUTATIVE CYTOCHROME P450
	T10B9.5 IN CHROMOSOME II * 1e-59 cytochrome P450 3A11 - mouse c[EP450II // p450 // P450 // MITP450 // C] CG8453
CG8453	GH14851 48F1-48F1 dup:2/4 ID:41H5
000000	+ BG:DS00797.2 unknown * 6e-38 YMY9_YEAST HYPOTHETICAL 34.0 KD PROTEIN IN CTF13-YPK2 INTERGENIC REGION *
CG9008	3e-35 putative protein * AAPC_PENCL POSSIBLE APOSPORY-ASSOCIATED PR CG9008 GH14910 34D1-34D1 ID:41H8 + metabolism * similar to glutamate synthase; cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST
	comes from this gene; cDNA EST comes from thi [ADXRDTASE // FADPNR // PNDRDTASEII] CG9674 GH14941 73C-73C2
CG9674	dup:4/5 ID:41H9
000014	+ enzyme * stromal cell-derived factor 2(aa) * 2e-09 PMT6_YEAST DOLICHYL-PHOSPHATE-MANNOSEPROTEIN
CG11999	MANNOSYLTRANSFERASE * 7e-07 /match=(desc:; /ma * 3e-47 cont CG11999 GH15022 83A4-83A4 ID:42A4
	+ enzyme * DMUBCD2_2 UbcD2 * similar to Ubiquitin-conjugating enzymes; cDNA EST comes from this gene(aa) * ubiquitin
	conjugating enzyme(aa) * 6e-12 UBCC_YEAST [CRYSTALLIN_BETAGAMMA // UQ_con // UBIQU] CG7220 GH15032 47B7-47B7
CG7220	ID:42A5
	+ enzyme * Adh-Finnegan(aa) * fat body protein 2(aa) * development-specific 25K protein - flesh fly (Sarcophaga
CC 40.40	peregrina)(aa) * 7e-09 YM71_YEAST HYPOTHETICAL [adh_short // ADH_SHORT // adh_short_C] CG4842 GH15220 72F1-72F1
CG4842	ID:42B10 + signal_transduction * predicted using Genefinder; similar to RNA recognition motif. (aka RRM, RBD, or RNP domain); cDN/
	EST comes from this gene; cDNA EST comes from thi [ArfGap // ZF_GCS // REVINTRACTNG] CG8243 GH15285 44F9-44F9
CG8243	ID:42C5
	·- -

	+ signal_transduction * serine/threonine kinase with Dbl- and pleckstrin homology domains(aa) * actin-filament binding protein Frabin(aa) * 5e-12 ROM1_YEAST RHO1 GDP-GTP E [GRF_DBL // RhoGEF // PRO_RICH // NLS_BP] CG8606 LD21492 65F2-
CG8606	65F2 ID:43A5
CG3510	+ CycB cell_cycle_regulator G2/MITOTIC-SPECIFIC CYCLIN B CYCLINS, cyclin CG3510 dup:2/4 ID:43B3 + signal_transduction * DM60AP * 1e-11 60A_DROME 60A PROTEIN PRECURSOR TGF-beta-related protein * 2e-09 protein homolog * 1e-14 BMP2_MOUSE BONE MORPHOGENETIC PROTEIN PRECUR [TGF-beta // TGF_BETA // TGF_BETA_2]
CG1901	CG1901 102D1-102D1 dup:2/2 ID:43C8
CG12124	 + enzyme * [NLS_BP] CG12124 LD23314 8D5-8D5 dup:4/4 ID:43E11 + car transporter * 9e-22 SLP1 protein homolog - Caenorhabditis elegans SLP-1 protei * 1e-116 vacuolar protein sorting homolo
CG12230	r-vps33a * SLP1_CAEEL SLP-1 PROTEIN * C5 [Sec1 // CYTOCHROME_C] CG12230 LD23088 18D5-18D5 dup:3/3 ID:43E5 + signal_transduction * putative WD-repeat protein(aa) * katanin (80 kDa)(aa) * 4e-12 hypothetical protein YCL039w - yeast (Saccharomyces cerevisiae) * 1e-09 L2DT_D[GPROTEINBRPT // WD40_REGION // WD_REPEA] CG7611 LD23260 78E1-78E1
CG7611	dup:5/5 ID:43E8
CG5926	+ CG5926 dup:2/2 ID:43E9
CG7581	+ Bub3 signal_transduction * WD-40 repeat protein(aa) * 7e-49 YET7_YEAST HYPOTHETICAL 40.5 KD TRP-ASP REPEATS CONTAINING PROTEIN IN NUP157-PDH * 7e-72 predicted using Genefinder [GPROTEINBRPT // WD40_REGION // WD_REPE/CG7581 LD23540 99B-99B ID:43F6
CG/561	+ cytoskeletal_structural_protein * actin-related protein; Arp8p(aa) * 1e-26 ARP8_YEAST ACTIN-LIKE PROTEIN ARP8 probable membrane pr * 9e-05 actin isolog * 4e-05 DNARP87C_2 Arp87C [ATPASE_ALPHA_BETA] CG7846 LD24980 16D7-
CG7846	16D7 ID:43G12
CG4258	+ dbe unknown * DMDRIBBLE dbe * dribble(aa) * 9e-98 YCF9_YEAST HYPOTHETICAL 37.2 KD PROTEIN IN CHA1-PRD1 INTERGENIC REGION * 5e-88 similar to human REV interacting CG4258 LD24634 21E3-21E3 ID:43G5 + chaperone * FK506-binding protein 6(aa) * FK506-binding protein - Arabidopsis thaliana(aa) * FKBP (FK506 binding protein
CG4735	13; peptidylprolyl cis-trans isomerase [FKBP // FKBP_PPIASE_3 // TPR_REPEAT] CG4735 LD24746 60A4-60A4 ID:43G6 + Dom transcription_factor * DOMINA protein (WHN-homologue)(aa) * 1e-12 FKH2_YEAST FORK HEAD PROTEIN HOMOLOG FKH2 protein - y * 4e-16 SLP1_DROME FORK HEAD DOMAIN TRANSCRIPTION F [Fork_head // FORKHEAD] CG4029 LD24749
CG4029	86A2-86A3 ID:43G7
CG17322	 + enzyme UDP-glycosyltransferase UDPGT CG17322 LD25345 dup:1/2 ID:43H10 + Srp54k ligand_binding_or_carrier * 1e-119 SR54_YEAST SIGNAL RECOGNITION PARTICLE KD PROTEIN HOMOLOG (SRP54) * similar to signal recognition particle protein (SRP54); cDNA EST E * SR5 [SRP54 // ATP_GTP_A] CG4659 LD25385
CG4659	64C12-64C12 dup:1/3 ID:43H11
CG9967	+ CG9967 LD25280 dup:1/2 ID:43H7 + enzyme homology to NADPHferrihemoprotein reductase and NADPH-cytochrome P450 reductase FAD_binding,
CG13667	FLAVODOXIN, FPNCR, PHEHYDRX] CG13667 LD25514 dup:2/2 ID:44A6
CG12129	+ RNA binding homology to human CGI-18 protein KH-domain CG12129 LD25546 ID:44A7
CG8572	+ unknown * 9e-61 inserted at base Both 5' and 3' ends of P element Inverse PCR * * [SAM_DOMAIN] CG8572 LD26045

	65F5-65F5 dup:2/2 ID:44C6
CG13322	+ unknown CG13322 LD26432 dup:2/3 ID:44D11
0010022	+ aret RNA_binding * aret * 8e-06 polyadenylate-binding protein * 1e-148 testis-specific RNP-type RNA binding protein * 2e-29
CG6319	elav-type ribonucleoprotein coded [RBD // HUDSXLRNA // rrm] CG6319 33D-33D4 dup:3/3 ID:44D5
	+ signal_transduction * Polyadenylation Factor I subunit; Pfs2p(aa) * 3e-17 alpha-COP (Z466 * 3e-18 lissencephaly-1 * 3e-15
CG1109	SEL-10 [GPROTEINBRPT // WD40_REGION // WD40] CG1109 LD26389 83B7-83B7 dup:2/3 ID:44D6
CG18622	+ CHROMO_2, chromo CG18622 LD26416 dup:2/3 ID:44D9
	+ Sr-CII cell_adhesion Scavenger receptor class C, type II MAM, MAM_2, SOMATOMEDIN_B, Somatomedin_B] CG8856
CG8856	LD26673 dup:3/3 ID:44E10
CG11504	+ CG11504 LD26477 dup:3/3 ID:44E2
	+ transmembrane_receptor * protein(aa) * 4e-12 gene flightless-I protein - fruit fly (Drosophila melanogaster) (* 2e-14 Ras-
000000	binding protein SUR-8 leuc * 2e-12 RSU1[LRR // CNMP_BINDING_3 // LEURICHRPT //] CG6860 LD26544 36C1-36C1 dup:2/2
CG6860	ID:44E7
CG16928	+ CG16928 dup:3/3 ID:44E9
CG7725	+ unknown CG7725 LD26833 dup:2/2 ID:44F6
CG10372	+ Faf unknown * Fly Fas-associated factor (FFAF)(aa) * Faf * 1e-12 probable membrane protein YDL091c - yeast (Saccharomyces cerevisiae) * 7e-10 similar to mouse FAF [UX DOMAIN] CG10372 LD27106 37A4-37A4 dup:1/2 ID:44G7
CG 10372	+ Klp67A motor_protein kinesin family protein 3B ATP_GTP_A, KINESINHEAVY, KINESIN_MOTOR_D] CG10923 LD27326
CG10923	dup:2/2 ID:44H12
00.0020	+ unknown * Ygr090wp(aa) * hypothetical protein(aa) * 4e-17 YG2L_YEAST HYPOTHETICAL 140.5 KD PROTEIN IN CTT1-
CG12785	PRP31 INTERGENIC REGION CG12785 LD27528 89B17-89B17 dup:2/2 ID:45A9
	+ Ac3 enzyme adenylyl cyclase isoform DAC3 [Drosophila melanogaster] GUANYLATE_CYCLASES,
CG1506	GUANYLATE_CYCLASES_] CG1506 LD27878 dup:2/2 ID:45B12
	+ actin_binding * has homology to the Dictyostelium and human actin-binding protein coronin; Crn1p(aa) * coronin-1(aa) * 3e-
000440	76 CORO_YEAST CORONIN-LIKE PROTEIN hypothe [WD40_REGION // ARGINASE_2 // WD_REPEATS] CG9446 42C8-42C8
CG9446	dup:3/3 ID:45B2 + unknown * Ser/Arg-related nuclear matrix protein (plenty of prolines 101-like)(aa) * 7e-33 cDNA EST comes from this gene;
CG11274	+ unknown * Ser/Arg-related nuclear matrix protein (plenty of prolines 101-like)(aa) * /e-33 cDNA EST comes from this gene; cDNA EST co * 2e-43 plenty-of-prolin [RIBOSOMAL_S12 // NLS_BP] CG11274 LD28048 69F2-69F2 dup:1/2 ID:45C10
CG5126	+ unknown * CG5126 LD27921 21F1-21F1 dup:1/2 ID:45C3
CG3120	+ lio protein_kinase * LIO_DROME LINOTTE PROTEIN linotte protein mela * lio * * [NLS_BP] CG10739 LD27947 37C-37C
CG10739	dup:2/2 ID:45C4
CG4609	+ fax failed axon connections protein CG4609 LD28084 dup:2/2 ID:45D1
20.000	+ chaperone * 2e-09 HLJ1_YEAST HLJ1 PROTEIN HLJ1 protein - yeast (Saccharom * 2e-09 DNJ1_DROME DNAJ PROTEII
	HOMOLOG (DROJ1) droj1 * 1e-26 YQ07_CAEEL HYPOTHETICAL [GRAM_POS_ANCHORING // DnaJ // DNAJPROTE]
CG14650	CG14650 LD28109 82C1-82C1 dup:3/3 ID:45D6
000000	W 11 1 (ONE) (11 (ONE) (11 (ONE) (12 (ONE) (13 (ONE) (14 (ONE

Weak homology to SNF2 family (CHD1 subfamily) chromodomain protein [Arabidopsis thaliana] CHROMO_2 CG9933

CG14650 CG9933

LD28372 dup:5/5 ID:45

	+ Doa protein_kinase * PROTEIN KINASE DOA (PROTEIN DARKENER OF APRICOT)(aa) * DMDOA_2 Doa * 2e-60 ORF
004050	YLL019c * 1e-127 Similarity to Drosophila Doa kinase (PIR Acc. No. cD [PROTEIN_KINASE_ST // PROTEIN_KINASE_DOM]
CG1658	CG1658 98F-98F2 dup:3/3 ID:45F12 + EG:66A1.2 transcription_factor_binding * map_position:4C6 * map_position:4C6 * map_position:4C6 * by match; 1-mat
CG12179	CG12179 LD28429 4C6-4C7 ID:45F3
CG4300	+ unknown spermine synthase SAM_BIND CG4300 LD28457 ID:45F5
	+ unknown * 7e-10 /match=(desc: * 9e-10 K10D2.3 gene product * 1e-10 The gene is expressed ubiquitously.; The protein *
CG1091	1e-09 caffeine-induced death protein >g [PAP_ASSOCIATED // PAP_CORE // PAP // AA] CG1091 84C1-84C1 dup:3/3 ID:45F7
	+ chaperone * 1e-07 STI1_YEAST HEAT SHOCK PROTEIN STI1 stress-induced protein * 1e-08 Hsp70/Hsp90 organizing
	protein homolog * 1e-54 similar to TPR Domain (2 doma [RNP_1 // TPR_REGION // TPR_REPEAT // TP] CG2947 3F6-3F6
CG2947	dup:3/4 ID:45F9
CG12000	+ CG12000 ID:45G11
CG2890	+ CG2890 dup:2/3 ID:45H3
CG3268	+ phtf unknown * supported by Genscan and several ESTs: and * 3e-12 supported by Genscan and several ESTs: (NID:g2 * * CG3268 42C3-42C3 dup:1/2 ID:46B11
CG7414	+ CG7414 79A4-79A4 dup:2/2 ID:46B6
007414	+ unknown * MA3(aa) * 3e-70 apoptosis protein MA-3 - mouse apoptosis-i * 1e-69 nuclear protein H731 - human nuclear
CG10990	antigen H731 * nuclear antigen H731-like pr [RCC1_2 // NLS_BP] CG10990 12B8-12B8 ID:46B7
	+ unknown * 1e-07 ADRP_MOUSE ADIPOSE DIFFERENTIATION-RELATED PROTEIN (ADRP) * * [ATP_GTP_A] CG9057
CG9057	13A11-13A11 dup:2/2 ID:46D11
CG5991	+ enzyme PHOSPHATIDYLSERINE DECARBOXYLASE PROENZYME CG5991 ID:46D2
CG8073	+ enzyme CG8073 ID:46D3
CG2034	+ CG2034 ID:46D4
00	+ transcription_factor * host cell factor C1 (VP16-accessory protein)(aa) * HOST CELL FACTOR C1 (HCF) (VP16
CG1710	ACCESSORY PROTEIN) (HFC1) (VCAF) (CFF)(aa) * host cell factor 2(a CG1710 LD29768 102B3-102B3 dup:3/3 ID:46E3 + transporter * ATP-DEPENDENT RNA HELICASE GLH-1(aa) * 1e-08 EAST DROME SERINE PROTEASE EASTER
CG3820	PRECURSOR serine protein * 6e-22 similar to nucleoporin; cDNA EST com CG3820 LD29808 59B4-59B4 dup:3/4 ID:46E7
CG3020 CG9107	+ CG9107 LD29822 dup:3/3 ID:46E8
003107	+ enzyme * (novel PUTATIVE protein similar to hypothetical proteins S. pombe C22F3.14C and C. elegans C16A3.8)(aa) * 16
CG4263	32 RLR1 YEAST RLR1 PROTEIN RLR1 protei [NLS BP] CG4263 LD29940 22C3-22C3 dup:3/3 ID:46F10
CG14459	+ none none CG14459 LD29969 ID:46F11
	+ protein_phosphatase regulatory subunit B' of serine-threonine protein phosphatase 2A ANTIFREEZEI, B56 CG7913
CG7913	LD29902 dup:1/3 ID:46F5
	+ RhoGEF3 signal_transduction RHO guanyl-nucleotide exchange factor ATP_GTP_A, GRF_DBL, RhoGEF, SH3 CG1225
CG1225	LD29915 dup:1/2 ID:46F8

CG3309	+ unknown * 3e-62 No definition line found * No definition line found * CG3309 LD30005 4F2-4F2 dup:1/2 ID:46G3
CG17947	+ alpha-Cat actin_binding * alpha catenin(aa) * DMALPC_2 agr;-Cat * CTNA_DROME ALPHA-CATENIN cadherin-associated protein D al * HMP-1 [VINCULIN // Vinculin // ALPHACATENIN] CG17947 LD30423 80B1-80B2 ID:47A5 + translation_factor * 1e-85 NAT1_YEAST N-TERMINAL ACETYLTRANSFERASE (AMINO-TERMINAL, ALPHA-AMINO,
CG12202	ACETYLTR * 1e-123 N-terminal acetyltransferase * O-linked GlcNAc tran[TPR_REGION // TPR_REPEAT // NLS_BP] CG12202 LD30511 18C8-18D1 dup:3/6 ID:47B1
CG9231	+ * 2e-14 plL2 hypothetical protein - rat (fragment) growth and trans * * CG9231 76B9-76B9 dup:2/2 lD:47B12 + unknown * predicted using Genefinder; cDNA EST comes from this gene; cDNA EST yk278a11.3 comes from this gene;
CG4968	cDNA EST yk278a11.5 comes from this gene; cDNA CG4968 LD30683 31D6-31D6 ID:47C3 + unknown * 2e-34 hypothetical protein YPR131c - yeast (Saccharomyces cerevisiae) (* 8e-20 contains similarity to N-termin
CG14222	acetyltransferase complex subunit [Acetyltransf] CG14222 LD30731 18D9-18D9 dup:1/2 ID:47C6 + transcription_factor * putative ring zinc finger protein NY-REN-43 antigen(aa) * putative protein(aa) * hypothetical protein,
CG11982	similar to PRAJA1 * DMGOLTHA_3 gol [zf-C3HC4 // ZF_RING] CG11982 LD30985 85C4-85C4 dup:3/3 ID:47D12 + unknown * 3e-05 No definition line found * 1e-32 topoisomerase I-binding RS protein * 8e-11 ring finger protein * tumor
CG15104	protein p53-binding protein p53 bindin [zf-C3HC4 // ZINC_FINGER_C3HC4 // NLS_BP] CG15104 56A-56A dup:3/3 ID:47D3 + transporter * DMC103B4 * 8e-09 YNM5_YEAST HYPOTHETICAL 73.8 KD PROTEIN IN SPC98-TOM70 INTERGENIC
CG3409	REGION * 3e-37 /match=(desc:; /ma * 2e-24 similar to the monocarb CG3409 LD30953 42C6-42C1 ID:47D9
CG7730	+ unknown * CG7730 LD31138 73E4-73E4 dup:2/2 ID:47E12
	+ chaperone * 7e-25 PA10_YEAST PAC10 PROTEIN PAC10 protein - yeast (Sacchar * 7e-27 YFM9_CAEEL
	HYPOTHETICAL 20.9 KD PROTEIN T06G6.9 IN CHROMOSOME I * 2e-43 VBP1_H CG6719 LD31046 86E4-86E4 dup:4/4
CG6719	ID:47E7
	+ enzyme * 1e-109 RSP5_YEAST UBIQUITINPROTEIN LIGASE RSP5 hypothetical pr * 2e-48 similar to hypothetical
CG4943	proteins from yeast (YKL162) and rat (PIR: * 3e-90 [HECT_DOMAIN // HECT // WW_rsp5_WWP // C] CG4943 LD31242 54D3-54D3 dup:2/3 ID:47F12
004943	+ Cbp80 RNA_binding * cap-binding protein - human(aa) * nuclear cap binding protein, 80kD(aa) * 4e-17 GCR3_YEAST GCR3
CG7035	PROTEIN (STO1 PROTEIN) (SUT1 PROTEIN) * by match; 1- [NLS_BP] CG7035 LD31211 4C7-4C7 ID:47F4
CG8440	+ signal transduction CG8440 ID:47F8
CG1530	+ unknown CG1530 ID:47H2
	+ enzyme * PROCOLLAGEN-LYSINE,2-OXOGLUTARATE 5-DIOXYGENASE PRECURSOR (LYSYL HYDROXYLASE) (LH)(aa) * PROCOLLAGEN-LYSINE,2-OXOGLUTARATE 5-DIOXYGENASE PRECURSOR ([GLYC_TRANS //
CG6199	HTH_LYSR_FAMILY] CG6199 LD31687 68A8-68A8 dup:3/4 ID:47H7 + enzyme * cystathionine beta-synthetase; CBS(aa) * BLASTX 8.7E-06 CYS4 Cystathionine beta-synthase (beta-CTSase),
CG1753	converts serine and homocysteine to cystathi [CBS // SNF4_REP // S_T_dehydratase // C] CG1753 LD32051 19E6-19E6 ID:48A9 + unknown * DMPPP_2 Arr2 * 1e-41 ARRB_DROME PHOSRESTIN I (ARRESTIN B) (ARRESTIN 2) (49 KD ARRESTIN-LIKE PROTEIN) * 1e-45 ARRB_CAEEL PROBABLE BETA-ARRESTIN coded [ARRESTIN // arrestin // ARRESTINS // AT] CG1487
CG1487	LD32202 100F5-100F5 ID:48B3

CG5203	+ CHIP chaperone * defined colon cancer antigen 7(aa) * carboxy terminus of Hsp70-interacting protein(aa) * 3e-09 hypothetical protein YOR007c - yeast (Saccharomyces c [TPR_REGION // TPR_REPEAT // TPR] CG5203 LD32251 33D1-33D1 ID:48B6
CG15486	+ weak homology to extensin-like protein [Lycopersicon esculentum], proline-rich protein PRP2 precursor [Lupinus luteus] CG15486 LD32537 ID:48C11
CG 13400	+ unknown * 3e-26 YKJ5_YEAST 32.3 KD PROTEIN IN CWP1-MBR1 INTERGENIC REGION * 3e-47 similar to S. cerevisiae
CG8435	YJU2 protein * 5e-67 unknown * 1e-35 hypothetical p
	+ RnrS enzyme * 1e-113 RIR2_YEAST RIBONUCLEOSIDE-DIPHOSPHATE REDUCTASE SMALL CHAIN (RIBONUCLEOTIDE R * 1e-107 RIR2_DROME PROBABLE RIBONUCLEOSIDE-DIPHOSPHATE REDUCTA [RIBORED_SMALL] CG8975 LD32770
CG8975	48D8-48D8 ID:48D10
0045000	+ unknown * 1e-142 inserted at base Both 5' and 3' ends of P element Inverse PCR * * CG15893 LD32923 5E4-5E4 dup:2/2
CG15893	ID:48E5 + BG:DS09218.3 chaperone * 8e-19 ERP5 CAEEL PROBABLE PROTEIN DISULFIDE ISOMERASE P5 PRECURSOR * 4e-21
	protein disulfide isomerase-related protein * 9e-21 ERP5_RAT PROBABLE PRO CG4455 LD33101 35F10-35F10 dup:2/3
CG4455	ID:48F10
	+ elav RNA_binding * DMELAVK_2 elav * 1e-16 polyadenylate-binding protein * ELAV_DROME ELAV PROTEIN (EMBRYONIC LETHAL ABNORMAL VISUAL PROTEIN) * 1e-58 Similar to the hu [RNP_1 // RBD // HUDSXLRNA // rrm] CG4262 LD33076 1B5-
CG4262	1B5 ID:48F5
	+ ProsMA5 endopeptidase * 9e-71 PRCZ_YEAST PROTEASOME COMPONENT PUP2 (MACROPAIN SUBUNIT PUP2)
CG10938	(PROTEINASE YSCE * 1e-137 PRCZ_DROME PROTEASOME PSMA5 SUBUNIT (MULTICATALYTIC EN [PROTEASOME_PROTEASE // PROTEASOME_A //] CG10938 LD33318 54C1-54C1 ID:48G11
	+ transcription_factor * transcription factor-like protein beta(aa) * 4e-09 No definition line found * 3e-43 transcription factor like
CG3350	protein * 3e-10 WS basic-helix-loop-h[HLH // HELIX_LOOP_HELIX // HELIX_LOOP_H] CG3350 LD33275 97F6-97F6 ID:48G9
CG8000	 unknown * hypothetical protein(aa) * 4e-25 YMO9_YEAST HYPOTHETICAL 20.9 KD PROTEIN IN PLB1-HXT2 INTERGENIC REGION * 9e-21 Closely related to Arabidopsis thal [NLS_BP] CG8000 LD33361 67E4-67E4 ID:48H2
	+ Lac cell_adhesion * DMLACH_2 Lac * LACH_DROME LACHESIN PRECURSOR lachesin melanoga * 2e-16 predicted protein
CG12369	contains a large number of Ig superfamily repeat * 5e-20 c [ig] CG12369 LD33460 49A7-49A7 ID:48H6
	+ wdn transcription_factor * DMDROSOPH_4 wdn * 3e-18 YJF6_YEAST HYPOTHETICAL 98.9 KD ZINC FINGER PROTEIN IN BTN1-PEP8 INTERGENIC REG * SRYC_DROME SERENDIPITY LOCUS PRO[zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN]
CG1454	CG1454 LD33455 98E4-98E4 dup:2/3 ID:48H7
	+ enzyme * ENOYL-COA HYDRATASE, MITOCHONDRIAL PRECURSOR (SHORT CHAIN ENOYL-COA HYDRATASE) (SCEH) (ENOYL-COA HYDRATASE 1)(aa) * 1e-17 YDAK YEAST HYPOTHETICAL 56 [ECH // ENOYL COA HYDRATASE]
CG6543	CG6543 LD33482 50C14-50C14 ID:48H8
	+ unknown * 5-oxo-1,2,5-tricarboxilic-3-penten acid decarboxilase/isomer(aa) * 3e-26 YNQ8_YEAST HYPOTHETICAL 28.8
CG5793	KD PROTEIN IN PSD1-SKO1 INTERGENIC REGION * 9e CG5793 LD33646 95F1-95F1 ID:49A1 + enzyme * SUMO-1 activating enzyme subunit 1(aa) * Similar to ubiquitin activating proteins; Aos1p(aa) * 6e-30
	RH31_YEAST DNA DAMAGE TOLERANCE PROTEIN RHC31 ([UBA_NAD // ThiF_family] CG12276 LD33652 87B15-87B15
CG12276	ID:49A3

CG/654	70E2-70E2 ID:49D IU
	+ peptidase * PROBABLE CYTOSOL AMINOPEPTIDASE (LEUCINE AMINOPEPTIDASE) (LAP)(aa) * leucine
	aminopeptidase(aa) * PUTATIVE AMINOPEPTIDASE ZK353.6 IN CHROMOSOME III([LAMNOPPTDASE // RCC1_2 //
CG7340	Peptidase_M17] CG7340 LD34492 87D7-88E1 ID:49D12
337313	+ cell_cycle_regulator * DMUNKNOWN anon-DM192 * unknown product(aa) * 4e-05 CC27_YEAST CELL DIVISION
	CONTROL PROTEIN cell division * 1e-139 unknown product [TPR_REGION // TPR_REPEAT // TPR] CG4050 57C2-57C2
CG4050	dup:3/4 ID:49D5
004000	+ motor_protein * 7e-09 by content; 1-meth * 2e-07 homeotic most like HMPB_DROME: homeotic proboscipedia protein * 9e-
CG8677	07 Williams-Beuren syndrome deletion transcript [PHD // NLS_BP // ATP_GTP_A] CG8677 LD34730 39C1-39C1 dup:5/5 ID:49E1
CG6011	+ enzyme * peptidylglycine alpha-amidating monooxygenase(aa) * 9e-38 strong similarity to the carboxyl-half of peptidyl-
	glycine alpha-amidating monoo * 7e-65 A [PAMONOXGNASE // NHL // NLS_BP] CG12130 LD34757 46C10-46C10 dup:2/2
CC12120	ID:49E12
CG12130	
000500	+ enzyme * nuclear protein methyltransferase (mono- and asymmetrically dimethylating enzyme); Hmt1p(aa) * protein N-
CG6563	methyltransferase 3(aa) * protein N-methy [SAM_BIND] CG6563 LD34544 88E8-88E8 dup:2/2 ID:49E3
000000	+ unknown * predicted using Genefinder(aa) * cDNA EST yk301g10.3 comes from this gene; cDNA EST yk301g10.5 comes
CG6236	from this gene(aa) * cDNA EST yk321f3.5 comes CG6236 LD34692 90E1-90E1 dup:3/3 ID:49E8
	+ DNA_binding * DNA helicase(aa) * HYPOTHETICAL 175.7 KD PROTEIN C05C10.2 IN CHROMOSOME II(aa) * DNA
CG6967	helicase A; Hcs1p(aa) * hypothetical helicase(aa) [ATP_GTP_A] CG6967 LD34829 53F5-53F6 ID:49F6
	+ motor_protein * HYPOTHETICAL 25.4 KD PROTEIN F53F4.3 IN CHROMOSOME V(aa) * 3e-12 YNO8_YEAST
	HYPOTHETICAL 28.4 KD PROTEIN IN RPC8-MFA2 INTERGENIC REGION * 9e-07 kine [CAP_GLY_2 // CAP_GLY] CG11242
CG11242	LD35048 56D9-56D9 dup:2/2 ID:49G2
	+ GTP_binding * PTD004(aa) * PUTATIVE GTP-BINDING PROTEIN W08E3.3(aa) * GTP-binding protein - Methanococcus
	jannaschii(aa) * Similar to WO8E3.3 putative GTP-binding [GTP1OBG // ATP_GTP_A] CG1354 LD35094 8F10-8F10 dup:2/2
CG1354	ID:49G5
	+ signal_transduction * vasodilator-stimulated phosphoprotein(aa) * 3e-09 Abl substrate ena (enabled) - fruit fly (Drosophila
	melanogaster) * 3e-08 neural variant mena+ pr [RANBP1_WASP // CYTOCHROME_C] CG10155 GH01083 51C2-51C2 dup:1/4
CG10155	ID:54A10

31D9-31D9 dup:3/3 ID:49B6

76F2-76F2 ID:49D10

ID:54A2

CG1913 dup:6/7 ID:49B9

CG5037

CG1913

CG7654

CG13421

CG13219

enzyme * 2e-60 COXX YEAST CYTOCHROME C OXIDASE ASSEMBLY PROTEIN COX10 PRECURSOR * 5e-94 heme /

ligand_binding_or_carrier * 2e-05 odorant-binding protein Rpal2' palmaru * * [PBP_GOBP] CG13421 GH01026 57A6-57A6

+ enzyme * 2e-18 pdb|1GKY| Guanylate Kinase (E.C.2.7.4.8) Complex With Guanosine Monophosphate * 2e-70 Camguk * 2e 67 LIN2 CAEEL LIN-2 PROTEIN LIN-2A * 5e-97 D [Guanylate kin // GUANYLATE KINASE 1 //] CG13219 GH01140 47D7-47D7

+ transporter * MITOCHONDRIAL IMPORT RECEPTOR SUBUNIT TOM20 HOMOLOG (MITOCHONDRIAL KD OUTER MEMBRANE PROTEIN) (OUTER MITOCHONDRIAL MEMBRANE RECEPTOR TOM20)(aa) * 2e [NLS BP] CG7654 LD34461

farnesyltransferase * 4e-46 putative heme A:farnesyltransfera [COX10 ctaB cyoE // COX10 CTAB CYOE] CG5037 LD33876

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+ unknown * CG11400 GH01142 54A-54A ID:54B4
+ unknown * [NLS_BP] CG17926 GH01154 66D6-66D7 ID:54B7
+ enzyme * 7e-52 acyl-coenzyme A oxidase * 1e-120 similar to ACYL-COENZYME A OXIDASE, PEROXISOMAL (EC 1.3.3.6
(PALM * 1e-125 peroxisomal acyl-CoA oxidase * 1e CG9707 GH01226 57D11-57D11 dup:1/3 ID:54C1
+ unknown * 5e-14 Y256_HUMAN HYPOTHETICAL PROTEIN KIA * * CG7066 GH01354 66C5-66C6 ID:54C12
+ syt transporter * similar to synaptotagmin(aa) * SYNAPTOTAGMIN (P65)(aa) * 2e-09 probable membrane protein YOR086c -
yeast (Saccharomyces cerevisiae) * 3e-49 SYT1_CAE [C2_DOMAIN_1 // SYNAPTOTAGMN // C2 // C2] CG3139 GH01240 23B1-
23B2 dup:1/4 ID:54C2
+ BcDNA:GH07485 enzyme * 3e-55 CAO_YEAST ACYL-COENZYME A OXIDASE (ACYL-COA OXIDASE) ac * 1e-130 Similarity
Rat Acyl-CoA oxidase I (SW:CAO1_RAT); cDNA EST EMBL: * 1e-145 p CG5009 GH01266 54E8-54E8 dup:1/2 ID:54C6
+ structural_protein * Peritrophin-A * cDNA EST comes from this gene; cDNA EST yk369a9.5 comes from this gene; cDNA
EST yk438c12.3 comes from this gene; cDNA EST yk438c12 CG11142 GH01453 26A-26A ID:54D11
+ transcription_factor * CROL BETA(aa) * 2e-08 AZF1_YEAST ASPARAGINE-RICH ZINC FINGER PROTEIN AZF1 fin * 6e-
09 CROL GAMMA * 2e-09 similar to Zinc finger, C2H2 type (4 doma[zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG12071
GH01388 100B-100B ID:54D4
+ RecQ5 DNA_repair_protein * Recq helicase 5(aa) * Recq helicase 5(aa) * 3e-73 SGS1_YEAST HELICASE SGS1 (HELICASE
TPS1) DNA helicase TP * 1e-06 RM62_DROME PUTATIVE ATP-DEPENDENT [helicase_C // HELICASE // DEAD] CG4879 GH01404 70E6-70E7 ID:54D5
 unknown * CG1545 GH01560 10A-10A dup:2/2 ID:54E10 transporter * 4e-71 similar to the NUPC family of transporters * 1e-82 purine-selective Na+ nucleoside cotransporter * 2e-82
+ transporter * 4e-71 similar to the NUPC family of transporters * 1e-82 purine-selective Na+ nucleoside cotransporter * 2e-82 solute carrier family (sodium-coupled CG8083 GH01486 45A10-45A10 dup:3/3 ID:54E3
+ endopeptidase * DMSER2_7 Ser99Db * 7e-70 serine proteinase (EC 3.4.21) precursor - fruit fly (Drosophila melanogast *
1e-11 similar to peptidase family S1 (tryp[trypsin // CHYMOTRYPSIN // TRYPSIN_SER] CG6483 GH01508 65A2-65A2 dup:2/2
ID:54E6
+ protein_kinase * protein kinase(aa) * PUTATIVE SERINE/THREONINE-PROTEIN KINASE C01C4.3 IN CHROMOSOME
X(aa) * 5e-17 SNF1_YEAST CARBON CATABOLITE DEREPRESSING PROTE[PROTEIN_KINASE_ST //
PROTEIN_KINASE_DOM] CG4945 GH01572 53C7-53C7 dup:3/4 ID:54F3
+ karyopherin-alpha3 ligand_binding_or_carrier * coded for by C. elegans cDNA yk173a10.5; coded for by C. elegans cDNA
yk96a12.5; coded for by C. elegans cDNA cm06h1; coded for by C. elegans cDNA CG9423 GH01702 86C3-85D27 ID:54G5
+ unknown * CG11446 GH01717 2A3-2A3 ID:54G6
+ enzyme * alkaline phosphatase(aa) * MEMBRANE-BOUND ALKALINE PHOSPHATASE PRECURSOR (M-ALP)(aa) *
DMALKPHOS_2 Aph-4 * intestinal alkaline phosphatase VII; IAP [ALKALINE_PHOSPHATASE // ALKPHPHTASE //] CG3290
GH01891 58C7-58C7 ID:54H10
+ enzyme * ODO1_YEAST 2-OXOGLUTARATE DEHYDROGENASE E1 COMPONENT PRECURSOR (ALPHA-
KETOGLUTAR * Similar to 2-oxoglutarate dehydrogenase; coded for by C. elegans [E1_dehydrog] CG11661 73D6-73D7 dup:3/7

ID:54H3

	ID:34F3
	+ HLHmbetatranscription_factor * 1e-108 helix-loop-helix protein m-beta - fruit fly (Drosophila melanogaster) * 2e-10 lin-22 * 3e-20
	HES1_MOUSE TRANSCRIPTION FACTOR HES-1 (HAIRY[HLH // HELIX_LOOP_HELIX // HELIX_LOOP_H] CG14548 GH01842
CG14548	96F10-96F10 ID:54H5
	+ Eno enzyme * DMENOLAS_2 Eno * 1e-154 phosphopyruvate hydratase (EC 4.2.1.11) - yeast (Saccharomyces cerevisiae) >g
CG17654	ENO_DROME ENOLASE (2-PHOSPHOGLYCERATE DEHYD [ENOLASE // enolase] CG17654 GH01942 22F3-22F3 ID:55A2
	+ * MYO-INOSITOL-1(OR 4)-MONOPHOSPHATASE (IMP) (INOSITOL MONOPHOSPHATASE) (LITHIUM-SENSITIVE MYC
	INOSITOL MONOPHOSPHÀTASE A1)(aa) * 2e-41 hypothetical p [inositol_P // INOSPHPHTASE // IMP_1 //] CG9391 78C7-78C7
CG9391	dup:2/2 ID:55B1
CG2657	+ ion_channel glutamate receptor, delta-2 subunit-like SBP_GLUR CG2657 GH02344 ID:55B12
CG17506	+ unknown smilarity to indora CG17506 GH02266 ID:55B6
	+ RNA-directed_DNA_polymerase,_group_II_intron_encoded * reverse transcriptase - fruit fly (Drosophila melanogaster)(aa)
	SPAC3G9.15c; len:230aa; similarity: to YLR051C, Q120 35, unclassified protein, (21 [NLS_BP] CG1142 GH02295 85A1-85A1
CG1142	ID:55B7
	+ enzyme * DMPGMII_3 agr;-Man-II * alpha-mannosidase(aa) * alpha-mannosidase (EC 3.2.1.24) precursor - human(aa) *
CG9466	LYSOSOMAL ALPHA-MANNOSIDASE PRECURSOR (MANN [Glyco_hydro_38] CG9466 GH02475 29F1-29F1 ID:55C11
	+ transporter * DMWHITER_2 w * ORF YOL075c(aa) * putative protei(aa) * 6e-69 WHIT_DROME WHITE PROTEIN white
CG9664	protein - fruit fly (Droso [ATP_GTP_A2 // ABC_tran // DA_BOX // ATP] CG9664 GH02377 25A1-25A1 ID:55C2
	+ LanB1 cell_adhesion * DMLAMB01_2 LanB2 * LanB1 * LAMININ BETA-1 CHAIN PRECURSOR (LAMININ B1 CHAIN)(aa) *
	LAMININ BETA-1 CHAIN PRECURSOR (LAMININ B1 CHAIN)(aa) [laminin_EGF // EGF_1 // EGFLAMININ // L] CG7123 GH0245
CG7123	28D-28D ID:55C7
CG7506	 unknown * 2e-07 cDNA EST comes from this gene; cDNA EST co * * CG7506 GH02466 66A7-66A7 ID:55C9
00/	+ unknown * 9E-36* 7e-34 cDNA EST comes from this gene; cDNA EST co * 3e-59 cytoplasmic protein Ndr1 * 2e-60 RTP
CG15668	nickel-specific inductio CG15668 GH02495 57E8-57E dup:2/4 ID:55D1
000000	+ tld metalloendopeptidase DORSAL-VENTRAL PATTERNING TOLLOID PROTEIN PRECURSOR ASTACIN, ASX_HYDROXYI
CG6868	Astacin, CUB, EGF,] CG6868 ID:55D10
CG10579	+ Ecdysone-induced protein 63E protein_kinase serine/threonine kinase protein kinase CG10579 GH02721 ID:55D11
000570	+ cell_adhesion * 1e-180 odd Oz product * 8e-31 similar to tenascin * 1e-107 Ten-m4 * 1e-101 (mouse DOC4 LIKE protein)
CG2578	[NLS_BP] CG2578 GH02628 11B1-11B1 ID:55D3
CG7366	+ unknown * CG7366 GH02649 67E7-67E7 ID:55D4
CG1537	+ unknown * CG1537 GH02938 10A-10A dup:2/2 ID:55E12
000004	+ EG:100G10.2 unknown * by motif; 1-match_description=ATP/GTP-binding site motif A (P-loop).; by match; 2-
CG2681	match_accession=SPTRE(aa) * by motif; * 2e-10 seven-in-absentia CG2681 GH02982 3B5-3B5 ID:55F2
CG18249	+ unknown * CG18249 GH03003 84F5-84F5 ID:55F4
CG16772	+ unknown * CG16772 GH03035 38B1-38B1 ID:55F6
CG15855	+ Eip63F-1ligand_binding_or_carrier * Eip63F-1 * 2e-74 E631_DROME CALCIUM-BINDING PROTEIN E63-1 calcium-binding pr *

	3e-17 similar to EF-hand calcium binding proteins; most similar to ca CG15855 GH03109 63F7-63F7 ID:55G4		
	+ wrapper cell_adhesion * wrapper protein(aa) * 9e-17 predicted protein contains a large number of Ig superfamily repeat * 2e-16		
CG10382	NCA1_MOUSE NEURAL CELL ADHESION MOLECULE, LAR [ig] CG10382 GH03113 58D6-58D6 ID:55G5		
CG 10302	+ und peptidase * 1e-107 AMP2_YEAST METHIONINE AMINOPEPTIDASE (METAP 2) (PEPTIDASE M 2) (U * methionine		
	aminopeptidase * 1e-38 Similarity to Rat initiation factor ass [Peptidase M24 // MAPEPTIDASE] CG4008 GH03119 30D1-30D1		
CG4008	ID:55G6		
	+ enzyme * 3e-37 FOLE_YEAST PUTATIVE FOLYLPOLYGLUTAMATE SYNTHASE (FOLYLPOLY-GAMMA-GLUTAMATE		
	SYNT * 3e-43 FOLC_CAEEL PUTATIVE FOLYLPOLYGLUTAMATE SYNTHASE (FOLYL [Mur_ligase] CG3390 GH03216 25C5-		
CG3390	25C5 dup:1/3 ID:55G9		
	+ DNA_repair_protein * putative antisense basic fibroblast growth factor(aa) * antisense basic fibroblast growth factor B(aa) *		
CG8128	4e-30 GFG_RAT PROTEIN GFG antisense basic f [MUTT // mutT // MUTTDOMAIN] CG8128 GH03273 13E13-13E14 ID:55H3		
	+ SMC2 DNA_binding * 1e-179 SMC2_YEAST CHROMOSOME SEGREGATION PROTEIN SMC2 (DA-BOX PROTEIN SMC2)		
0040040	3e-69 Cap * 1e-136 mitotic chromosome and X-chromosome associated MIX- [ATP_GTP_A] CG10212 GH03364 51D1-51D1		
CG10212	ID:55H8		
CG14617	+ unknown * 0.00000002* 0.00000002* CG14617 GH03511 19F6-20A1 ID:56A1		
CG5140	 motor_protein * 8e-08 /motif=(desc: * 7e-11 contains similarity to a C3HC4-class zinc finger * 1e-20 mTRIP * 3e-20 hTRIP [zf-C3HC4 // NLS_BP // ZF_RING] CG5140 GH03577 55B9-55B9 ID:56A7 		
CG3140			
CG10509	+ unknown * 2e-20 coded for by C. elegans cDNA yk173c12.5 * 3e-11 unknown protein * contains similarity to Physcomitrella patens glyceraldehyde 3-phosphate dehy CG10509 GH03649 57D3-57D4 dup:1/2 ID:56B3		
CG18358	+ unknown * CG18358 GH03717 15A3-15A3 ID:56B7		
0010000	+ BcDNA:GH07626 enzyme * p270(aa) * Similar to polyketide synthase.(aa) * FK506 polyketide synthase(aa) * [adh_zinc //		
CG3523	Thioesterase // ACP_DOMAIN CG3523 GH03816 23D-23D dup:4/9 ID:56C9		
	+ Adh storage_protein * DMADHA1_9 Adh * 3e-06 FOX2_YEAST PEROXISOMAL HYDRATASE-DEHYDROGENASE-		
	EPIMERASE (HDE) (MULTIFUNCTIONAL * 1e-145 alcohol dehydrogenase (EC 1.1.1.1[ALCDHDRGNASE // GDHRDH //		
CG3481	adh_short //] CG3481 GH03875 35B3-35B3 dup:4/6 ID:56D5		
CG18210	+ unknown * CG18210 GH04075 13C5-13C5 dup:2/2 ID:56E10		
CG17977	+ unknown * CG17977 GH04104 44A3-44A3 ID:56F1		
	+ enzyme * alkaline phosphatase(aa) * soluble alkaline phosphatase(aa) * 1e-27 repressible alkaline phosphatase (EC		
	3.1.3.1) * 2e-96 alkaline phosphatase (EC [ALKALINE_PHOSPHATASE // ALKPHPHTASE //] CG1809 GH04113 45F3-45F3		
CG1809	ID:56F2		
000000	+ * DMC132E8 * similar to thioredoxin(aa) * thioredoxin - Chloroflexus aurantiacus(aa) * 4e-15 TRX1_YEAST THIOREDOXIN		
CG8993	I (TR-I) thioredoxin I - yeast (Sa [THIOREDOXIN // THIOREDOXIN_2 // thiored] CG8993 62E-62E ID:56G3 + CycJ cell_cycle_regulator * CycJ * 4e-11 CG22_YEAST G2/MITOTIC-SPECIFIC CYCLIN cyclin B2 - yeast * cyclin J * 3e-05		
CG10308	Similar to cyclin [cyclin // HELIX_LOOP_HELIX // NLS_BP] CG10308 GH04281 63D2-63D2 ID:56G5		
0010000	+ enzyme * 4e-08 probable membrane protein YDR284c - yeast (Saccharomyces cerevisiae) * 2e-40 wunen * 1e-20		
CG11425	YSX3_CAEEL HYPOTHETICAL 39.0 KD PROTEIN T28D9.3 IN [PA_PHOSPHATASE] CG11425 GH04282 79E4-79E4 ID:56G6		
3311120	. 6.16_6.122 62116/12 600 1/6 1 No 1200 60 1/6 1/6 1/6 1/6 1/6 1/6 1/6 1/6 1/6 1/6		

CG6866	+ RNA_binding * DOUBLE STRANDED RNA BINDING PROTEIN A (XLRBPA)(aa) * TAR (HIV) RNA-binding protein 2(aa) * TAR (HIV) RNA binding protein 2(aa) * 1e-05 contains simi [dsrm // DSRBD] CG6866 GH04468 34B6-34B6 dup:1/2 ID:57A1			
CG18609	+ unknown * CG18609 GH04567 55E10-55E10 ID:57A10			
CG12955	 ligand_binding_or_carrier * 3e-07 similar to agrin and follistatin; egf-like repeats * 2e-08 FSA_MOUSE FOLLISTATIN PRECURSOR (FS) (ACTIVIN-BINDING PROTEIN) * 9e-08 follistatin [kazal] CG12955 GH04473 51E9-51E9 ID:57A2 enzyme * putative nicotinate phosphoribosyltransferase(aa) * 1e-169 putative nicotinate phosphoribosyltransferase * 			
CG3714	hypothetical protein * similar to nicotin CG3714 25E1-25E1 dup:2/3 ID:57A8			
CG10342	+ npf signal_transduction * neuropeptide F(aa) * * CG10342 GH04563 89D5-89D5 ID:57A9 + enzyme * DMALKPHOS_2 Aph-4 * 7e-27 PPB_YEAST REPRESSIBLE ALKALINE PHOSPHATASE PRECURSOR al * 2e-86 alkaline phosphatase * 1e-100 PPBT_MOUSE ALKALINE PHOSPHAT [ALKPHPHTASE // alk_phosphatase] CG5150 GH04680			
CG5150	64E-64E ID:57B10			
	+ cell_adhesion * Kallmann syndrome KAL product - quail(aa) * 3e-18 similar to WAP-type (Whey Acidic Protein) 'four-disulfid core', F * 4e-29 Kallmann syndrome prote [wap // 4_DISULFIDE_CORE // 4DISULPHCORE] CG6173 GH04611 95E1-95E1			
CG6173	ID:57B4			
00000	+ RNA_binding * 2e-05 coded for by C. elegans cDNA yk102b7.3; coded for by C. elegans cDNA yk124e5.3; * 6e-05 ROG_MOUSE HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN G (H [RBD // rrm // NLS_BP] CG6995 GH04738 96B1-			
CG6995	96B2 dup:3/5 ID:57C1			
CCE 407	 unknown * 2e-23 predicted using Genefinder; cDNA EST yk414f4.5 comes from this g * 9e-27 HSPC007 * CG5497 GH04861 55E4-55E4 ID:57C12 			
CG5497				
CG7515	+ CG7515 GH04814 ID:57C5 + enzyme * Similar to acyl-coenzyme A oxidase; coded for by C. elegans cDNA yk133e10.5(aa) * ACYL-COENZYME A			
CG17544	OXIDASE PXP-2 (ACYL-COA OXIDASE)(aa) * ACYL-COENZY CG17544 GH04872 37E1-37E1 dup:3/3 ID:57D3			
CG4571	+ unknown * CG4571 GH05034 6D6-6D7 dup:4/4 ID:57E8			
	+ flw protein_phosphatase * phosphoprotein phosphatase (EC 3.1.3.16) gamma-2 - human(aa) * Similarity to Human serine/threonine protein phosphatase PP1B (SW:PP1B_HUMAN);[PHOSPHO_ESTER // STPHPHTASE // SER_THR_] CG2096			
CG2096	GH05039 9C1-9C1 dup:2/2 ID:57E9			
	+ enzyme * predicted using Genefinder; cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST yk199c3.5 comes from this gene; cDNA EST yk199c3 [CDP_ALCOHOL_P_TRANSF // CDP_ALCOHOL_P_T] CG6016 GH05229			
CG6016	50B1-50B1 dup:1/2 ID:57G4			
CG3312	+ CG3312 ID:57H12			
CG14008	 unknown * 1E-109* * CG14008 GH05437 25F3-25F3 ID:57H8 BcDNA:GH12504 transmembrane_receptor * 3e-07 microtubule binding protein D-CLIP-190 * 1e-06 DYNA_MOUSE DYNACTIN KD ISOFORM (150 KD DYNEIN-ASSOCIATED POLYPEPTIDE) (DP- * 1e-06 DYNA_HUMAN CG9808 GH05455 85B3-85B4 			
CG9808	dup:3/4 ID:57H9			
CG5783	+ unknown * 3e-07 hypothetical protein * * CG5783 GH05617 36E6-36E6 ID:58A12			

enzyme * lysyl oxidase-like 2(aa) * 8e-09 Similarity to Human M130 antigen cDNA EST * 1e-103 lysyl oxidase-related protei

# RNA_binding* No definition line found(aa)* qrks8E-3* KEP1(aa)* 8-e0-5 hypothetical protein YLR116w - yeast (Saccharomyces cerevisiae)* (IKH_DOMNIN) CG9387 69169725 387*1-38F*1 ID-58B8 * "muscle-specific serine kinase 1; MSSK1(aa)* PROTEIN KINASE_DSK1 (DIS1-SUPPRESSING PROTEIN KINASE)(aa)* hypothetical protein - Caenorhabditis elega [PROTEIN_KINASE_ST // PROTEIN_KINASE_DOM] CG9085 79E2-79E2 dup-1/3 ID-58C1 CG9218 GH05823 56D11-58E1 dup-1/2 ID-58C6 CG7296 + CG7296 GH05801 ID-58C6 CG10373 + unknown * gene product(aa)* 6e-19 gene product * 2e-23 JWA protein* JM4 CG10373 GH05842 37A4-37A4 ID-58D2 + unknown * K10D2.3 gene product(aa)* 3e-14 hypothetical protein * VOL102c - yeast (Saccharomyces cerevisiae)* 4e-07 / match=(desc: * 4e-12 The gene is expresse [PAP // ZINC_FINGER_C2H2] CG7163 GH05885 66C11-66C11 dup-1/3 ID:58D3 CG2922 + CG2922 83B4-83B4 dup:3/3 ID-58E11 + enzyme * add phosphatase (EC 3.1.3.2) Acph-1 precursor, lysosomal - fruit fly (Drosophila melanogaster)(aa)* acid phosphatase (EC 3.1.3.2) Acph-1 precursor, lysosomal - fruit fly (Drosophila melanogaster)(aa)* acid phosphatase (EC 3.1.3.2) Acph-1 precursor, lysosomal - fruit fly (Drosophila melanogaster)(aa)* PROTEIN (EC 1.1.1.49)* glucose-6-phosphate 1-dehydrogenase (E 1.1.1.49)* fruit fly (Drosophila mela* 1e - [C6FD // G6PDHDRGNASE // G6P_DEHYDROGENA] CG12529 GH06084 18D12-18D1: dup-3/3 ID-58E7 CG12529 dup-3/3 ID-58E7 CG11221 CG16132 72A-272 ID-58F9 - unknown * predicted using Genefinder; cDNA EST yk268h6.5 comes from this gene; cDNA EST yk465f2.5 comes from this gene; cDNA EST Syk465f2.5 comes from this gene; cDNA EST Syk465f2.5 comes from this gene; cDNA EST Syk465f2.5 comes from this gene; cDNA EST yk465f2.5 comes		* 5e-99 lysyl oxidase homolog [SCAVENGER_RECEPTOR // Lysyl_oxidase //] CG4402 GH05569 58A2-58A2 ID:58A8	
+ "muscle-specific serine kinase 1; MSSK1(aa) * PROTEIN KINASE DSK1 (DIS1-SUPPRESSING PROTEIN KINASE)(aa) * hypothetical protein - Caenorhabditis elega [PROTEIN_KINASE_ST // PROTEIN_KINASE_DOM] CG9085 79E2-79E2 dup:1/3 ID:58C1 + sm RNA_binding * DMSMOOTH_2 sm * 4e-20 homologous to human hnRNP L * 5e-22 DMSMOOTH_2 sm * [RBD] CG9218 GH05821 56D11-56E1 dup:1/2 ID:56C12 CG7296 + CG7296 GH05801 ID:58C6 CG10373 + unknown * gene product(aa) * 6e-19 gene product * 2e-23 JWA protein * JM4 CG10373 GH05842 37A4-37A4 ID:58D2 + unknown * K10D2.3 gene product(aa) * 3e-14 hypothetical protein Y0L102c - yeast (Saccharomyces cerevisiae) * 4e-07 (Anatch=(desc: * 4e-12 The gene is expresse [PAP // ZINC_FINGER_C2H2] CG7163 GH05805 66C11-66C11 dup:1/3 ID:58D3 (CG2922 + CG2922 83B4-8384 dup:3/3 ID:58E13 + enzyme * acid phosphatase (EC 3.1.3.2) Acph-1 precursor, lysosomal - fruit fly (Drosophila melanogaster)(aa) * 2 UPTATIVE ACID PHOSPH [acid_phosphat] CG6656 GH060011 93F-93F dup:3/3 ID:58E4 (CG12612 + CG12612 GH06062 dup:2/2 ID:58E6 (E 3.1.3.2) Acph-1 precursor, lysosomal - fruit fly (Drosophila melanogaster)(aa) * 2 UPTATIVE ACID PHOSPH [acid_phosphat] (CG6656 GH06011 93F-93F dup:3/3 ID:58E7 (Futing Homosphate Homosphate dehydrogenase (ZWF1) (EC 1.1.1.49) * glucose-6-phosphate 1-dehydrogenase (E 1.1.1.49) * clucose-6-phosphate 1-d			
hypothetical protein - Caenorhabditis elega [PROTEIN_KINASE_ST // PROTEIN_KINASE_DOM] CG9085 79E2-79E2 dup:1/3 ID:58C1	CG9337		
CG9085 ID:58C1			
+ sm	CG9085		
G9218 GH05823 56D11-56E1 dup:1/2 ID:58C12 CG7296 + CG7296 GH05801 ID:58C6 CG10373 + unknown* gene product(aa) * 6e-19 gene product * 2e-23 JWA protein * JM4 CG10373 GH05842 37A4-37A4 ID:58D2 + unknown* K10D2.3 gene product(aa) * 3e-14 hypothetical protein YDL102c - yeast (Saccharomyces cerevisiae) * 4e-07 /match=(desc: * 4e-12 The gene is expresse [PAP // ZINC_FINGER_C2H2] CG7163 GH05885 66C11-66C11 dup:1/3 ID:58D3 CG2922 + CG2922 83B4-83B4 dup:3/3 ID:58E11 + enzyme * acid phosphatase (EC 3.1.3.2) Acph-1 precursor, lysosomal - fruit fly (Drosophila melanogaster)(aa) * acid CG6656 phosphatase-1(aa) * PUTATINE ACID PH05PH [acid_phosphat] CG6656 GH06011 93F-93F dup:3/3 ID:58E4 CG12612 + CG12612 GH06062 dup:2/2 ID:58E6 + Zw enzyme * 1e-129 glucose-6-phosphate dehydrogenase (ZWF1) (EC 1.1.1.49) * glucose-6-phosphate 1-dehydrogenase (E 1.1.1.49) - fruit fly (Drosophila mela * 1e- [G6PD // G6PDHDRGNASE // G6P_DEHYDROGENA] CG12529 GH06084 18D12-18D1: CG12529 dup:3/3 ID:58E7 + protein_kinase * MIc-k * Lk6 * DMRSK_2 S6kII * DMDAKT1_2 Akt1 [PROTEIN_KINASE_ST // TYRKINASE // PROTE] CG11221 CG1043 27A2-27A2 ID:58F2 + unknown * predicted using Genefinder; cDNA EST yk268h6.5 comes from this gene; cDNA EST yk465f2.5 comes from this gene; cDNA EST yk33937.5 comes from this gene CG10512 GH06154 78C3-78C3 + ID:58F3 + unknown * [PFKB_KINASES_1] CG18494 GH06208 32A1-32A1 ID:58F8 + EG:BACN32G11.3 unknown * BACN32G11.1 * 1e-29 L130 HUMAN KD LEUCINE-RICH PROTEIN (LRP 130) (GP130) le * leucine-rich protein - human leucine-rich protein sa * BACN32G11.1 CG14786 GH06301 2B1-2B1 ID:5864 + signal transduction * 1e-20 YMH2_YEAST HYPOTHETICAL 171.1 KD PROTEIN IN YL16A-DAK1 INTERGENIC REGION 2e-07 SY65_DROME SYNAPTOTAGMIN (P65) synaptotagmin - fruit fly (* [C2 // C2_DOMAIN_2] CG6643 GH06342 96A-96A dup:1/2 ID:5866 CG10550 GC3968 dup:1/4 ID:5863 + * [G_PROTEIN_RECEPTOR] CG5571 7786-7786 dup:1/2 ID:58H1 + * [G_PROTEIN_RECEPTOR] CG5571 7786-7786 dup:1/2 ID:58H1 + * [G_PROTEIN_RECEPTOR] CG5571 7786-7786 dup:1/2 ID:58H1 + * Unknown * 1e-171 STAND S	003003		
CG10373	CG9218		
Horizon	CG7296	+ CG7296 GH05801 ID:58C6	
CG7163	CG10373	+ unknown * gene product(aa) * 6e-19 gene product * 2e-23 JWA protein * JM4 CG10373 GH05842 37A4-37A4 ID:58D2	
CG2922 + CG2922 83B4-83B4 dup:3/3 ID:58E11 + enzyme * acid phosphatase (EC 3.1.3.2) Acph-1 precursor, lysosomal - fruit fly (Drosophila melanogaster)(aa) * acid phosphatase-1 (aa) * PUTATIVE ACID PHOSPH [acid_phosphat] CG6656 GH06011 93F-93F dup:3/3 ID:58E4 CG12612 + CG12612 GH06062 dup:2/2 ID:58E6 + Zw enzyme * 1e-129 glucose-6-phosphate dehydrogenase (ZWF1) (EC 1.1.1.49) * glucose-6-phosphate 1-dehydrogenase (E 1.1.1.49) * full tly (Drosophila mela * 1e- [G6PD // G6PDHDRGNASE // G6P_DEHYDROGENA] CG12529 GH06084 18D12-18D1: CG12529 dup:3/3 ID:58E7 + protein_kinase * MIc-k * Lk6 * DMRSK 2 S6kII * DMDAKT1_2 Akt1 [PROTEIN_KINASE_ST // TYRKINASE // PROTE] CG11221 CG11221 GH06138 27A2-27A2 ID:58F2 + unknown * predicted using Genefinder; cDNA EST yk268h6.5 comes from this gene; cDNA EST yk393g7.5 comes from this gen CG10512 GH06154 78C3-78C4 ID:58F3 CG18494 + unknown * [PFKB_KINASES_1] CG18494 GH06208 32A1-32A1 ID:58F8 + EG:BACN32G11.3 unknown * BACN32G11.f * 1e-29 L130 HUMAN KD LEUCINE-RICH PROTEIN (LRP 130) (GP130) le * leucine-rich protein - human leucine-rich protein sa * BACN32G11.I CG14786 GH06301 2B1-2B1 ID:58G4 + signal_transduction * 1e-20 YMH2_YEAST HYPOTHETICAL 171.1 KD PROTEIN IN YL16A-DAK1 INTERGENIC REGION 2e-07 SY65_DROME SYNAPTOTAGMIN (P65) synaptotagmin - fruit fly (* IC2 // C2_DOMAIN_2) CG6643 GH06342 96A-96A dup:1/2 ID:58G6 CG5571 + * [G_PROTEIN_RECEPTOR] CG5571 77B6-77B6 dup:1/2 ID:58H1 CG4377 + unknown * CG4377 GH06474 58A3-58A3 ID:58H6 CG8592 + stil unknown * 1e-171 STAND STILL (Y * 1e-173 stil * * [NLS_BP] CG8592 GH06596 49B2-49B2 ID:59A10			
+ enzyme * acid phosphatase (EC 3.1.3.2) Acph-1 precursor, lysosomal - fruit fly (Drosophila melanogaster)(aa) * acid phosphatase-1(aa) * PUTATIVE ACID PHOSPH [acid_phosphat] CG6656 GH06011 93F-93F dup:3/3 ID:58E4 CG12612 + CG12612 GH06062 dup:2/2 ID:58E6 + Zw enzyme * 1e-129 glucose-6-phosphate dehydrogenase (ZWF1) (EC 1.1.1.49) * glucose-6-phosphate 1-dehydrogenase (E 1.1.1.49) - fruit fly (Drosophila mela * 1e- [G6PD // G6PDHDRGNASE // G6P_DEHYDROGENA] CG12529 GH06084 18D12-18D1: dup:3/3 ID:58E7 + protein_kinase * MIc-k * Lk6 * DMRSK_2 S6kil * DMDAKT1_2 Akt1 [PROTEIN_KINASE_ST // TYRKINASE // PROTE] CG11221 CG11221 GH06138 27A2-27A2 ID:58F2 + unknown * predicted using Genefinder; cDNA EST yk268h6.5 comes from this gene; cDNA EST yk465f2.5 comes from this gene; cDNA EST yk465f2.5 comes from this gene; cDNA EST yk36937.5 comes from this gen CG10512 GH06154 78C3-78C4 ID:58F3 CG18494 + unknown * [PFKB_KINASES_1] CG18494 GH06208 32A1-32A1 ID:58F8 + EG:BACN32G11.3 unknown * BACN32G11.f * 1e-29 L130_HUMAN KD LEUCINE-RICH PROTEIN (LRP 130) (GP130) le * signal_transduction * 1e-20 YMH2_YEAST HYPOTHETICAL 171.1 KD PROTEIN IN YL16A-DAK1 INTERGENIC REGION 2e-07 SY65_DROME SYNAPTOTAGMIN (P65) synaptotagmin - fruit fly (* [C2 // C2_DOMAIN_2] CG6643 GH06342 96A-96A dup:1/2 ID:58G9 + 2-19 /match=(desc; //ma * 2e-06 No definition line found * C29F7.1 * cDNA EST yk381e5.3 comes from this gene CG10550 GC6551 + * [G_PROTEIN_RECEPTOR] CG5571 77B6-77B6 dup:1/2 ID:58H1 + unknown * CG4377 GH06474 58A3-58A3 ID:58H6 CG8592 + stil unknown * 1e-171 STAND STILL (Y * 1e-173 stil * * [NLS_BP] CG8592 GH06596 49B2-49B2 ID:59A10 CG8430		· · · · · · · · · · · · · · · · · · ·	
CG6656 phosphatase-1(aa) * PUTATIVE ACID PHOSPH [acid_phosphat] CG6656 GH06011 93F-93F dup:3/3 ID:58E4 CG12612 CG12612 GH06062 dup:2/2 ID:58E6 + Zw enzyme * 1e-129 glucose-6-phosphate dehydrogenase (ZWF1) (EC 1.1.1.49) * glucose-6-phosphate 1-dehydrogenase (E 1.1.1.49) - fruit fly (Drosophila mela * 1e- [G6PD // G6PDHDRGNASE // G6P_DEHYDROGENA] CG12529 GH06084 18D12-18D1: dup:3/3 ID:58E7 CG12529 dup:3/3 ID:58E7 + protein_kinase * Mlc-k * Lk6 * DMRSK_2 S6kll * DMDAKT1_2 Akt1 [PROTEIN_KINASE_ST // TYRKINASE // PROTE] CG11221 GH06138 27A2-27A2 ID:58F2 + unknown * predicted using Genefinder; cDNA EST yk268h6.5 comes from this gene; cDNA EST yk465f2.5 comes from this gene; cDNA EST yk393g7.5 comes from this gene; cDNA EST yk465f2.5 comes from this gene; cDNA EST yk393g7.5 comes from this gene; cDNA EST yk465f2.5 comes from this gene; cDNA EST yk393g7.5 comes from this gene; cDNA EST yk465f2.5 comes from this gene; cDNA EST yk393g7.5 comes from this gene; cDNA EST yk465f2.5 comes from this gene; cDNA EST yk393g7.5 comes from this gene; cDNA EST yk465f2.5 comes from this gene; cDNA EST yk393g7.5 comes from this gene; cDNA EST yk393g7.5 comes from this gene CG10510 CG550 PROME SYNAPTOTAGMIN (P65) synaptotagmin - fruit fly (* [C2 // C2_DOMAIN_2] CG6643 GH06342 96A-96A dup:1/2 ID:58G6	CG2922		
CG12612	CCCCEC		
+ Zw enzyme * 1e-129 glucose-6-phosphate dehydrogenase (ZWF1) (EC 1.1.1.49) * glucose-6-phosphate 1-dehydrogenase (E 1.1.1.49) - fruit fly (Drosophila mela * 1e- [G6PD // G6PDHDRGNASE // G6P_DEHYDROGENA] CG12529 GH06084 18D12-18D1: dup:3/3 ID:58E7 + protein_kinase * MIc-k * Lk6 * DMRSK_2 S6kII * DMDAKT1_2 Akt1 [PROTEIN_KINASE_ST // TYRKINASE // PROTE] CG11221 CG11221 GH06138 27A2-27A2 ID:58F2 + unknown * predicted using Genefinder; cDNA EST yk268h6.5 comes from this gene; cDNA EST yk465f2.5 comes from this gene; cDNA EST yk393g7.5 comes from this gen CG10512 GH06154 78C3-78C4 ID:58F3 CG18494 + unknown * [PFKB_KINASES_1] CG18494 GH06208 32A1-32A1 ID:58F8 + EG:BACN32G11.3 unknown * BACN32G11.f * 1e-29 L130_HUMAN KD LEUCINE-RICH PROTEIN (LRP 130) (GP130) Ie * leucine-rich protein - human leucine-rich protein sa * BACN32G11.I CG14786 GH06301 2B1-2B1 ID:58G4 + signal_transduction * 1e-20 YMH2_YEAST HYPOTHETICAL 171.1 KD PROTEIN IN YL16A-DAK1 INTERGENIC REGION 2e-07 SY65_DROME SYNAPTOTAGMIN (P65) synaptotagmin - fruit fly (* [C2 // C2_DOMAIN_2] CG6643 GH06342 96A-96A dup:1/2 ID:58G6 + * 2e-19 /match=(desc:; /ma * 2e-06 No definition line found * C29F7.1 * cDNA EST yk381e5.3 comes from this gene CG10550 96C8-96C8 dup:1/4 ID:58G9 CG5571 + * [G_PROTEIN_RECEPTOR] CG5571 77B6-77B6 dup:1/2 ID:58H1 CG4377 + unknown * CG4377 GH06474 58A3-58A3 ID:58H6 CG8592 + stil unknown * 1e-171 STAND STILL (Y * 1e-173 stil * * [NLS_BP] CG8592 GH06596 49B2-49B2 ID:59A10			
1.1.1.49) - fruit fly (Drosophila mela * 1e- [G6PD // G6PDHDRGNASE // G6P_DEHYDROGENA] CG12529 GH06084 18D12-18D1: dup:3/3 ID:58E7	CG12012		
CG12529 dup:3/3 ID:58E7			
CG11221 GH06138 27A2-27A2 ID:58F2	CG12529		
+ unknown * predicted using Genefinder; cDNA EST yk268h6.5 comes from this gene; cDNA EST yk465f2.5 comes from this gene; cDNA EST yk393g7.5 comes from this gen CG10512 GH06154 78C3-78C4 ID:58F3 CG18494 + unknown * [PFKB_KINASES_1] CG18494 GH06208 32A1-32A1 ID:58F8 + EG:BACN32G11.3 unknown * BACN32G11.f * 1e-29 L130_HUMAN KD LEUCINE-RICH PROTEIN (LRP 130) (GP130) le * leucine-rich protein - human leucine-rich protein sa * BACN32G11.I CG14786 GH06301 2B1-2B1 ID:58G4 + signal_transduction * 1e-20 YMH2_YEAST HYPOTHETICAL 171.1 KD PROTEIN IN YL16A-DAK1 INTERGENIC REGION 2e-07 SY65_DROME SYNAPTOTAGMIN (P65) synaptotagmin - fruit fly (* [C2 // C2_DOMAIN_2] CG6643 GH06342 96A-96A dup:1/2 ID:58G6 + * 2e-19 /match=(desc:; /ma * 2e-06 No definition line found * C29F7.1 * cDNA EST yk381e5.3 comes from this gene CG10550 GC3571 + * [G_PROTEIN_RECEPTOR] CG5571 77B6-77B6 dup:1/2 ID:58H1			
CG10512 gene; cDNA EST yk393g7.5 comes from this gen CG10512 GH06154 78C3-78C4 ID:58F3 CG18494 + unknown * [PFKB_KINASES_1] CG18494 GH06208 32A1-32A1 ID:58F8 + EG:BACN32G11.3 unknown * BACN32G11.f * 1e-29 L130_HUMAN KD LEUCINE-RICH PROTEIN (LRP 130) (GP130) le * CG14786 leucine-rich protein - human leucine-rich protein sa * BACN32G11.l CG14786 GH06301 2B1-2B1 ID:58G4 + signal_transduction * 1e-20 YMH2_YEAST HYPOTHETICAL 171.1 KD PROTEIN IN YL16A-DAK1 INTERGENIC REGION 2e-07 SY65_DROME SYNAPTOTAGMIN (P65) synaptotagmin - fruit fly (* [C2 // C2_DOMAIN_2] CG6643 GH06342 96A-96A dup:1/2 ID:58G6 + * 2e-19 /match=(desc:; /ma * 2e-06 No definition line found * C29F7.1 * cDNA EST yk381e5.3 comes from this gene CG10550			
CG18494	0040540		
+ EG:BACN32G11.3 unknown * BACN32G11.f * 1e-29 L130_HUMAN KD LEUCINE-RICH PROTEIN (LRP 130) (GP130) le * leucine-rich protein - human leucine-rich protein sa * BACN32G11.I CG14786 GH06301 2B1-2B1 ID:58G4 + signal_transduction * 1e-20 YMH2_YEAST HYPOTHETICAL 171.1 KD PROTEIN IN YL16A-DAK1 INTERGENIC REGION 2e-07 SY65_DROME SYNAPTOTAGMIN (P65) synaptotagmin - fruit fly (* [C2 // C2_DOMAIN_2] CG6643 GH06342 96A-96A dup:1/2 ID:58G6 + * 2e-19 /match=(desc:; /ma * 2e-06 No definition line found * C29F7.1 * cDNA EST yk381e5.3 comes from this gene CG10550 GC8-96C8 dup:1/4 ID:58G9 CG5571 + * [G_PROTEIN_RECEPTOR] CG5571 77B6-77B6 dup:1/2 ID:58H1 CG4377 + unknown * CG4377 GH06474 58A3-58A3 ID:58H6 CG8592 + stil unknown * 1e-171 STAND STILL (Y * 1e-173 stil * * [NLS_BP] CG8592 GH06596 49B2-49B2 ID:59A10 CG8430			
Leucine-rich protein - human leucine-rich protein sa * BACN3ZG11.I CG14786 GH06301 2B1-2B1 ID:58G4	CG18494		
+ signal_transduction * 1e-20 YMH2_YEAST HYPOTHETICAL 171.1 KD PROTEIN IN YL16A-DAK1 INTERGENIC REGION 2e-07 SY65_DROME SYNAPTOTAGMIN (P65) synaptotagmin - fruit fly (* [C2 // C2_DOMAIN_2] CG6643 GH06342 96A-96A dup:1/2 ID:58G6 + * 2e-19 /match=(desc:; /ma * 2e-06 No definition line found * C29F7.1 * cDNA EST yk381e5.3 comes from this gene CG10550 96C8-96C8 dup:1/4 ID:58G9 CG5571 + * [G_PROTEIN_RECEPTOR] CG5571 77B6-77B6 dup:1/2 ID:58H1 CG4377 + unknown * CG4377 GH06474 58A3-58A3 ID:58H6 CG8592 + stil unknown * 1e-171 STAND STILL (Y * 1e-173 stil * * [NLS_BP] CG8592 GH06596 49B2-49B2 ID:59A10 CG8430	CG14786		
2e-07 SY65_DROME SYNAPTOTAGMIN (P65) synaptotagmin - fruit fly (* [C2 // C2_DOMAIN_2] CG6643 GH06342 96A-96A dup:1/2 ID:58G6 + * 2e-19 /match=(desc:; /ma * 2e-06 No definition line found * C29F7.1 * cDNA EST yk381e5.3 comes from this gene CG10550 96C8-96C8 dup:1/4 ID:58G9 CG5571 + * [G_PROTEIN_RECEPTOR] CG5571 77B6-77B6 dup:1/2 ID:58H1 CG4377 + unknown * CG4377 GH06474 58A3-58A3 ID:58H6 CG8592 + stil unknown * 1e-171 STAND STILL (Y * 1e-173 stil * * [NLS_BP] CG8592 GH06596 49B2-49B2 ID:59A10	0014700		
+ * 2e-19 /match=(desc:; /ma * 2e-06 No definition line found * C29F7.1 * cDNA EST yk381e5.3 comes from this gene CG10550 96C8-96C8 dup:1/4 ID:58G9 CG5571 + * [G_PROTEIN_RECEPTOR] CG5571 77B6-77B6 dup:1/2 ID:58H1 CG4377 + unknown * CG4377 GH06474 58A3-58A3 ID:58H6 CG8592 + stil unknown * 1e-171 STAND STILL (Y * 1e-173 stil * * [NLS_BP] CG8592 GH06596 49B2-49B2 ID:59A10 CG8430			
CG10550	CG6643		
CG5571 + * [G_PROTEIN_RECEPTOR] CG5571 77B6-77B6 dup:1/2 ID:58H1 CG4377 + unknown * CG4377 GH06474 58A3-58A3 ID:58H6 CG8592 + stil unknown * 1e-171 STAND STILL (Y * 1e-173 stil * * [NLS_BP] CG8592 GH06596 49B2-49B2 ID:59A10 CG8430			
CG4377 + unknown * CG4377 GH06474 58A3-58A3 ID:58H6 CG8592 + stil unknown * 1e-171 STAND STILL (Y * 1e-173 stil * * [NLS_BP] CG8592 GH06596 49B2-49B2 ID:59A10 CG8430		· ·	
CG8592 + stil unknown * 1e-171 STAND STILL (Y * 1e-173 stil * * [NLS_BP] CG8592 GH06596 49B2-49B2 ID:59A10 CG8430		• – • •	
CG8430			
		+ stil unknown ^ 1e-171 STAND STILL (Y * 1e-173 stil * * [NLS_BP] CG8592 GH06596 49B2-49B2 ID:59A10	
+ Lrr47 actin_binding * LRR47 protein - truit tily (Drosophila melanogaster)(aa) * DiviLRR47_3 Lrr47 * 2e-05 predicted using		Lund7 action binding * LDD47 greatein. (mit fly./Decombile greaten)/ac) * DMLDD47 0 Lun47 * 0 - 05 greative decimal	
	CG6098	+ LIT47 actin_binding " LKK47 protein - truit fly (Drosophila melanogaster)(aa) " DIVILKK47_3 LIT47 " 2e-05 predicted using	

	Genefinder; Similarity to Glucose-repressible alco [LRR // LEURICHRPT] CG6098 GH06740 31E6-31E6 ID:59B11
	+ Scp2 ligand_binding_or_carrier * 6e-95 calcium-binding protein Cex C * 1e-15 YSO6_CAEEL HYPOTHETICAL CALCIUM-BINDING PROTEIN F56D1.6 IN CHROMOSOME II * 2e-33 calexcitin * 7[EF_HAND // EF_HAND_2 // ATP_GTP_A] CG14904
CG14904	GH06666 92A1-89D4 dup:2/4 ID:59B6
0011001	+ enzyme * 41-kDa phosphoribosylpyrophosphate synthetase-associated protein(aa) * 3e-48 KPR1_YEAST RIBOSE-PHOSPHATE PYROPHOSPHOKINASE (PHOSPHORIBOSYL PYROPHOSP [Pribosyltran] CG2246 GH07082 100A-100A2
CG2246	dup:2/4 ID:59C12
002210	+ * VACUOLAR ATP SYNTHASE CATALYTIC SUBUNIT A (V-ATPASE KD SUBUNIT) (VAA3-1)(aa) * H+-transporting
	ATPase (EC 3.6.1.35), vacuolar, A chain, VA68 type - [ATP-synt_ab // ATP-synt_ab_C // ATPASE_] CG3762 34A4-34A4 dup:1/2
CG3762	ID:59C4
	+ transmembrane_receptor * BLASTX 4.3E-09 Mus musculus putative myelin regulatory factor mRNA, partial cds.(dna) * TPR
	containing, SH2-binding phosphoprotein(aa) *[TPR_REGION // TPR_REPEAT // TPR // NLS_] CG2469 GH07228 62B4-62B4
CG2469	dup:4/5 ID:59D12
CG4682	+ unknown * CG4682 GH07323 94D10-94D10 dup:2/2 ID:59E10
CC0577	+ defense/immunity_protein * 2e-33 peptidoglycan recognition protein precursor * 7e-37 TNF superfamily, member (LTB)-like
CG8577	(peptidoglycan recognition * 1e-33 peptidoglycan recogn CG8577 GH07464 44D8-44D8 ID:59F11 + unknown * Mob1p-like protein; Mob2p(aa) * partial CDS(aa) * cDNA EST yk373c2.5 comes from this gene; cDNA EST
CG11712	yk361f7.5 comes from this gene(aa) * putative m CG11712 GH07469 68C5-68C5 dup:2/2 ID:59F12
0011712	+ cell_adhesion * 6e-06 CYAA_YEAST ADENYLATE CYCLASE (ATP PYROPHOSPHATE-LYASE) (ADENYLYL CYCLASE)
	1e-10 leucine-rich motif (LRR) protein homology to interleukin rec [LRR // LEURICHRPT // PRO_RICH // CYTOCH] CG15151
CG15151	GH07373 36E-36E ID:59F3
CG10912	+ unknown * CG10912 GH07575 55B2-55B2 ID:59G12
	+ Ets65A transcription_factor * ETS domain transcription factor PET-1(aa) * Friend leukemia virus integration 1(aa) * contains
	strong similarity to ETS domains and * DNA-BINDING [ETS_DOMAIN_1 // HSF_ETS // ETSDOMAIN //] CG7018 GH07491 65A3-
CG7018	65A3 ID:59G3
CG7859	+ unknown * [NLS_BP] CG7859 GH07769 93D9-93D9 dup:1/2 ID:60A6
CG11877	+ unknown * protein(aa) * * CG11877 GH07807 99A1-99A1 dup:2/3 ID:60A8
CG4592	+ enzyme * 9e-10 contains similarity to enoyl-CoA hydratases/isomerases Score=59 * 2e-38 D3D2_MOUSE 3,2-TRANS- ENOYL-COA ISOMERASE, MITOCHONDRIAL PRECURSOR (DOD [ECH] CG4592 GH07905 33A1-33A1 dup:1/2 ID:60B11
CG16887	+ BG:DS00941.11 unknown * AAs(aa) * AAs(aa) * CG16887 GH07914 34D4-34D4 dup:2/3 ID:60B12
CG17124	+ unknown * CG17124 GH07856 32A4-32A4 dup:1/2 ID:60B6
0017124	+ transporter * 8e-07 predicted using Genefinder; cDNA EST yk416g4.5 comes from this g * 2e-05 hypothetical protein - rabbi
CG4526	ORF might exte * CG4526 GH08173 73A3-73A4 dup:3/6 ID:60D10
-	+ endopeptidase * 2e-24 STUB_DROME SERINE PROTEINASE STUBBLE (STUBBLE-STUBBLOID PROTEIN) * 2e-16
	MCT7_MOUSE MAST CELL PROTEASE PRECURSOR (MMCP-7) (TRYPTASE) * 6e-17 F [trypsin // TRYPSIN_CATAL] CG9377
CG9377	GH08193 34B6-34B6 dup:1/2 ID:60D12

CG11808	+ unknown * [NLS_BP] CG11808 GH08125 51E9-51E9 dup:1/2 ID:60D4
	+ BG:DS02780.1 cell_adhesion * Toll protein(aa) * 9e-05 cell-surface molecule connectin - fruit fly (Drosophila melanogaster) * 2e-
CG5888	06 predicted using Genefinder; Similarity to Dr [LRR] CG5888 GH08155 35F12-36A1 dup:1/2 ID:60D6
	+ unknown * hypothetical protein(aa) * DMRNAPER_2 anon-3B1.2 * 2e-08 0.9-kb RNA transcript * 7e-10 DMRNAPER_2
CG7096	anon-3B1.2 CG7096 GH08336 93B5-93B5 dup:3/3 ID:60E10
	+ transporter * DMORCT2_2 Orct * putative organic cation transporter(aa) * 5e-40 Similarity to Rat organic cation transporter
CG16727	cDNA EST * 1e-39 OCTN3 [sugar_tr] CG16727 GH08275 94D3-94D3 dup:2/2 ID:60E3
000400	+ unknown * A_IG002N01.31 gene product(aa) * No definition line found(aa) * C44C1.2 gene product * CG8460 GH08401
CG8460	28F1-28F1 ID:60F5
CG10830	+ ion_channel * 1e-35 VM106R.1 * 2e-06 (novel protein similar to and mouse, worm an * similar to TNF-alpha induced Proteir B12 * similar to human tumor necrosis fac CG10830 GH08630 93A2-93A2 dup:1/2 ID:60G10
CG 10630	+ ligand_binding_or_carrier * microsomal triglyceride transfer protein large subunit precursor(aa) * 1e-51 MTP_MOUSE
	MICROSOMAL TRIGLYCERIDE TRANSFER PROTEIN, LARGE SUBUNIT PRECU [MYB_1 // ATP_GTP_A] CG9342 GH08556
CG9342	38F4-38F4 dup:1/3 ID:60G5
000012	+ loco signal_transduction * regulator of G-protein signalling LOCO C2(aa) * 6e-08 YTN3_CAEEL HYPOTHETICAL 33.0 KD
	PROTEIN C29H12.3 IN CHROMOSOME II (U * 6e-43 RGSE MOUSE REGULA [GRK // RGS // NLS BP] CG5248 GH08607
CG5248	94B11-94C1 dup:1/3 ID:60G8
	+ actin_binding * DMRCPA_X kel * The gene product is related to Drosophila melanogaster ring canel protein.(aa) * 8e-86
CG3962	kelch protein, long form - fruit fly (Drosophi [BTB // KELCHREPEAT // Kelch] CG3962 GH08610 89E13-89E13 dup:1/3 ID:60G9
	+ Lcch3 ion_channel * Lcch3 * GAB3_DROME GAMMA-AMINOBUTYRIC-ACID RECEPTOR BETA-LIKE SUBUNIT
	PRECURSOR (GABA(A) * 1e-109 similar to GABA receptor * 1e-112 GAB3_MOUSE GAMM [neur_chan //
CG17336	NEUROTR_ION_CHANNEL // NRI] CG17336 GH08705 13F13-13F13 ID:60H3
	+ ninaA chaperone * DMNINAA_7 ninaA * PEPTIDYL-PROLYL CIS-TRANS ISOMERASE, RHODOPSIN SPECIFIC ISOZYME
000000	PRECURSOR (PPIASE) (ROTAMASE)(aa) * 4e-44 cyclophilin-related prot [pro_isomerase // CSA_PPIASE_1 // CSA_PP] CG396(
CG3966	GH08867 21D3-21D3 dup:1/3 ID:61A11
CG9246	+ unknown * hypothetical protein(aa) * cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST yk317d5.5 comes fro [NLS_BP] CG9246 GH08927 39B3-39B3 dup:1/2 ID:61B10
CG9240	+ bnl signal transduction * FGF homolog(aa) * bnl * 3e-09 LET-756 protein * 3e-14 fibroblast growth factor fibro [HBGFFGF //
CG4608	FGF // IL1HBGF] CG4608 GH08887 92B3-94E1 dup:3/3 ID:61B2
001000	+ chaperone * 1e-13 gene product * 1e-09 disulfide-like protein prote * [THIOREDOXIN_2] CG11790 GH08893 96B15-96B15
CG11790	dup:1/2 ID:61B4
CG12024	+ signal_transduction * 5e-25 BAW protein * * [NLS_BP] CG12024 GH08896 62E3-62E3 dup:1/2 ID:61B6
	+ transporter * Ser89E * Glut1; * 5e-38 YB91 YEAST PROBABLE METABOLITE TRANSPORT PROTEIN YBR241C * 4e-31
	GTRL_DROME GLUCOSE TRANSPORTER-LIKE PROTEIN glucose transp[HELIX_LOOP_HELIX // SUGRTRNSPORT // SUG]
CG1208	CG1208 GH09052 83C4-83C4 dup:1/2 ID:61C10
	+ enzyme * DMGST_3 GstD1 * 7e-09 probable membrane protein YLL060c - yeast (Saccharomyces cerevisiae) * 7e-45
CG17524	unknown * 3e-16 GTT1_MOUSE GLUTATHIONE S-TRANSFER [GST] CG17524 GH09055 55C9-55C9 dup:1/2 ID:61C11

CG11232	+ unknown * CG11232 GH08969 102F8-102F8 ID:61C4			
	+ 26/29kD-proteinase * 26,29kDa proteinase(aa) * 8e-61 cysteine proteinase cysteine * 1e-56 predicted using Genefinder; similar			
CG8947	to cathepsin-like protease; cD * 2e-61 cath [THIOL_PROTEASE_CYS // PAPAIN // Peptida] CG8947 70C9-70C9 dup:1/2 ID:61C			
CG18452	+ scro transcription_factor (scarecrow) homeobox protein Nkx2-1 homeobox CG18452 GH09166 dup:2/3 ID:61D10			
	+ unknown * 5e-07 YNK8_YEAST HYPOTHETICAL 30.7 KD PROTEIN IN CYB5-LEU4 INTERGENIC REGION * 4e-46			
0040004	T07F12.1 gene product * 3e-09 Y33K_HUMAN HYPOTHETICAL 33.4 KD P [UBA // SH3] CG13604 GH09153 97F1-97F1 dup:2/4			
CG13604	ID:61D8			
none	+ none GH09355 ID:61F3			
CG4302 CG11051	+ CG4302 CG11051 GH09393 ID:61F9			
	+ Pp1alpha-96A protein_phosphatase * DMPP113C_2 Pp1-13C * 1e-153 PP12_YEAST SERINE/THREONINE PROTEIN PHOSPHATASE PP1-2 pho * PP11_DROME SERINE/THREONINE PROTEIN PHOSPHATASE ALPHA-[PHOSPHO_ESTER //			
CG6593	STPHPHTASE // SER_THR_] CG6593 GH09488 96A5-96A5 ID:61G3			
000393	+ signal_transduction * agrin(aa) * 8e-33 similar to agrin and follistatin; egf-like repeats * 4e-13 FSA_MOUSE FOLLISTATIN			
CG7159	PRECURSOR (FS) (ACTIVIN-BINDING PROTEIN) * 4e-13 [kazal] CG7159 GH09510 66C12-66C12 ID:61G5			
	+ cell_adhesion * 6e-05 similar to the protein kinase domain of myosin light chain kinases * 6e-05 myosin light chain kinase			
CG5699	isoform * 5e-05 KMLS_CHICK MYOSIN LIGHT C CG5699 GH09541 62C3-62C3 dup:2/3 ID:61G9			
	+ G-oalpha47A signal_transduction GUANINE NUCLEOTIDE-BINDING PROTEIN G(O), ALPHA SUBUNIT (CLASS-I) >gi			
CG2204	ATP_GTP_A, G-alpha, GPROTEINA, GPROTEINA] CG2204 GH09771 dup:3/4 ID:61H10			
007440	+ transporter * DMORCT2_2 Orct * 5e-13 putative organic cation transporter * 4e-09 similar to C. elegans protein and to rat			
CG7448	synaptic vesicle protein (PIR:S3 * 2e-13 CG7448 GH09791 79B2-79B2 dup:1/2 ID:61H11			
CG9932	 transcription_factor * 3e-05 HUNB_TRICA HUNCHBACK PROTEIN hunchback * 2e-06 DMHBG_10 hb * Hunchback proteir * [zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG9932 GH09733 34A-34A dup:1/2 ID:61H6 			
CG17809				
0017003	+ unknown * /match=(desc:; /match=(desc:(aa) * 3e-38 /match=(desc:; /ma * 4e-07 predicted using Genefinder * cDNA EST			
CG11892	yk381e5.3 comes from this gene CG11892 GH09761 96C7-96C7 dup:1/2 ID:61H9			
CG17875	+ cytochrome_P450 CG17875 GH09824 dup:1/3 ID:62A2			
CG18550	+ unknown * CG18550 GH09841 88E1-88E1 ID:62A3			
CG11462	+ unknown * CG11462 GH09844 5C2-5C2 ID:62A4			
	+ * neural precursor cell expressed developmentally downregulated Nedd9(aa) * 1e-37 Crk-associated substrate * 6e-36			
CG1212	enhancer of filmentation Crk-assoc [SH3DOMAIN // SH3] CG1212 61A4-61A5 dup:2/4 ID:62B1			
	+ ligand_binding_or_carrier * 2e-68 62D9.a * 4e-10 cellular retinaldehyde-binding protein; CRALBP * 2e-15 alpha tocopherol			
00000	transfer protein * 1e-15 TTPA_RAT ALPHA-TOCOPHEROL TRAN [CRETINALDHBP // CRAL_TRIO] CG3823 GH10083 5E1-5E1			
CG3823	ID:62B11 * ADOLIDORDOTEIN DIRECURSOR(ss) * 7s. 43 ADD. MOUSE ADOLIDORDOTEIN DIRECURSOR analinamentain D.*			
CG4604	+ * APOLIPOPROTEIN D PRECURSOR(aa) * 7e-13 APD_MOUSE APOLIPOPROTEIN D PRECURSOR apolipoprotein D * 2e-16 apolipoprotein D APOLIPOPROTEIN D P * 2e-17 APD [lipocalin // LIPOCALIN] CG4604 49F7-49F7 dup:2/2 ID:62B12			
004004	Ze-10 apolipoprotein D Al OLITOF NOTEIN DT Ze-17 Ar D [iipodaiii // Lir OCALin] CG4004 43F7-43F7 dup.2/2 ID.02D12			

enzyme * alpha-L-fucosidase(aa) * fucosidase, alpha-L- 1, tissue(aa) * 8e-28 hypothetical protein YIL106w - yeast

CG1697	melanogaster rhomboid protein * 9e-28 UNKNOWN rhomboid-re CG1697 GH10260 10C6-10C6 dup:1/7 ID:62C10 + NetB cell_adhesion * extracellular extracellular) map_position:12F1 * NetB * 1e-170 NETB_DROME NETRIN-B PRECURSOR			
	Netrin-B melanog * 3e-67 UNC6_CAEEL UNC-6 PROTEIN P[laminin_EGF // EGFLAMININ // EGF_LAM //] CG10521 GH10173			
CG10521	12F1-12F3 dup:1/2 ID:62C5			
	+ transmembrane_receptor * 2e-09 /match=(desc: * 2e-52 YP84_CAEEL HYPOTHETICAL 90.9 KD PROTEIN C08B11.4 IN			
CG3106	CHROMOSOME II * predicted using Genefinder * cDNA EST comes from thi CG3106 GH10201 8F2-8F2 ID:62C6			
CG9164	+ enzyme * protein(aa) * * CG9164 GH10344 13C5-13C5 ID:62D5			
	+ cell_cycle_regulator * 1e-35 RAS1_YEAST RAS-LIKE PROTEIN GTP-binding protein RAS1 * 5e-32 RAS3_DROME RAS-			
	LIKE PROTEIN (ROUGHENED PROTEIN) transfo * 3e-35 RASL_CAEEL RAS-L[PRENYLATION // ras // ATP_GTP_A // RAST]			
CG1081	CG1081 GH10361 83B3-83B3 ID:62D7			
	+ unknown * 4e-05 c431H6.1.2 (PUTATIVE novel protein) (PUTATIVE isoform 2) s * c431H6.1.1 (PUTATIVE novel protein)			
CG17238	(isoform 1) * c431H6.1.3 (PUTATIVE novel prot CG17238 GH10365 87E1-87E1 dup:2/2 ID:62D8			
	+ cell_adhesion * 9e-05 tenascin-like protein precursor - fruit fly (Drosophila melanogaster) * 2e-47 C09F9.2 * 5e-06 Ten-m2 *			
CG12781	2e-05 predicted using hexExon; MAL3P2.1 [EGF_1 // EGF_2 // NLS_BP] CG12781 GH10539 59B4-59B4 dup:4/4 ID:62E10			
0040040	+ unknown * 2e-05 No definition line found * 4e-16 type II membrane protein * 1E-175* [SAP_B // ER_TARGET] CG12918			
CG12918	GH10427 46D7-46D7 dup:2/2 ID:62E2			
0040047	+ unknown * 4e-07 inserted at base Both 5' and 3' ends of P element Inverse PCR * * [BTB] CG13917 GH10468 62A8-62A			
CG13917	dup:3/3 ID:62E3			
CG16979	+ unknown * 3e-61 F38A5.1 gene product * 1e-40 putative protein * CG16979 GH10640 71D3-71D3 ID:62F11			
CG10433	+ * [PRENYLATION] CG10433 57F3-57F3 dup:4/5 ID:62F12			
0040040	+ ligand_binding_or_carrier * 2e-16 alpha tocopherol transfer protein * 1e-15 TTPA_RAT ALPHA-TOCOPHEROL TRANSFEF			
CG13848	PROTEIN (ALPHA-TTP) al * tocopherol (alpha) transfer protein (ata [CRAL_TRIO] CG13848 GH10582 96E1-96E1 ID:62F2			
CG2267	+ transcription_factor * CG2267 100A2-100A2 dup:2/2 ID:62F6			
	+ acj6 DNA_binding * DMIPOU_2 acj6 * POU domain transcription factor(aa) * INHIBITORY POU PROTEIN (I-POU)			
000454	(ABNORMAL CHEMOSENSORY JUMP PROTEIN)(aa) * 1e-152 PP12_YEAST SE [HOMEOBOX_1 // homeobox // HOMEOBOX_			
CG9151	//] CG9151 GH10637 13C1-13C4 ID:62F9			
none	+ none GH10751 ID:62G7			
CG11280	+ cell_adhesion * DMARTAN_7 trn * kek1 * tartan protein(aa) * 5e-16 CYAA_YEAST ADENYLATE CYCLASE (ATP			
	PYROPHOSPHATE-LYASE) (ADENYLYL CYCLASE) [LRR // LEURICHRPT // LRRCT] CG11280 GH10871 69F5-69F5 ID:62H10			
CG7029	+ motor_protein * CG7029 GH10817 94C8-94D dup:2/5 ID:62H3			
CCoses	+ enzyme * intermediate chain 1(aa) * nm23-H7(aa) * NUCLEOSIDE DIPHOSPHATE KINASE (NDK) (NDP KINASE)(aa) * 1ε			
CG8362	06 type nucleoside diphosphate kinase NM23-H6 CG8362 GH10857 85E4-85E4 ID:62H9			

(Saccharomyces cerevisiae) * 4e-73 FUCO_CAE [Alpha_L_fucos // GLHYDRLASE29] CG6128 GH09976 68C4-68C5 ID:62B4 + metabolism * NADH-UBIQUINONE OXIDOREDUCTASE SGDH SUBUNIT PRECURSOR (COMPLEX I-SGDH) (CI-

SGDH)(aa) * NADH dehydrogenase (ubiquinone) beta subcomplex, (16kD, SGDH) CG9762 GH10129 68F5-68F5 ID:62C1 + unknown * DMRHO_2 ve * RHOMBOID PROTEIN (VEINLET PROTEIN)(aa) * 5e-32 similar to transmembrane of D.

CG18662	+ unknown * CG18662 GH10940 29F7-29F7 ID:63A8	
	+ function_unknown * galactokinase 2(aa) * 2e-45 GAL1_YEAST GALACTOKINASE galactokinase (EC 2.7.1.6) - yea * 5e-35	
	Similar to galactokinase * 2e-65 galactose kinase [GHMP_kinases // GALCTOKINASE // GHMP_KI] CG5288 GH11113 66E6-66E	
CG5288	ID:63B10	
	+ transcription_factor * 9e-06 TBP-like factor * 9e-06 TATA box binding protein-related factor * CG9879 GH11020 23A3-23A	
CG9879	ID:63B2	
	+ enzyme * 1e-09 URE2_YEAST URE2 PROTEIN glutathione transferase homolog U * 4e-78 glutathione transferase (EC	
CG10091	2.5.1.18) D1 - fruit fly (Drosophila melanogaste [GST] CG10091 GH11034 87B12-87B12 ID:63B3	
	+ enzyme * Ac76E * 5e-56 adenylyl cyclase 76E * 2e-45 Similar to guanylate cyclase * 2e-54 adenylyl cyclase type I	
CG5712	[GUANYLATE_CYCLASES // guanylate_cyc //] CG5712 GH11267 62D3-62D4 ID:63C10	
	+ Rack1 signal_transduction * Rack1 * GUANINE NUCLEOTIDE-BINDING PROTEIN BETA SUBUNIT-LIKE PROTEIN	
00-111	(RECEPTOR OF ACTIVATED PROTEIN KINASE C HOMOLOG)(aa) * 3e-89 GBLP_YEAS[GPROTEINBRPT // WD40_REGION //	
CG7111	WD_REPEA] CG7111 GH11320 28D2-28D2 dup:2/3 ID:63C12	
00000	+ EG:100G10.4 enzyme * by content; by match; 2-match_description=4-NITROPHENYLPHOSPHATASE.; 2-match(aa) *	
CG2680	BLASTX 8.9E-14 PHO13 4-Nitrophenylphosphatase(dna) * 1e-20 4- CG2680 GH11163 3B5-3B5 ID:63C4	
CG12727	+ unknown * CG12727 GH11189 11F7-11F7 ID:63C5	
00/000	+ transcription_factor * scrt * Similarity to Drosophila scratch neuronal zinc-finger transcription factor * 9e-05 RIM1 * 7e-73	
CG12605	neuron specific zinc finger transcription[zf-C2H2 // ZINC_FINGER_C2H2 // ATP_GTP_] CG12605 GH11439 64A1-64A1 ID:63D10	
	+ ion_channel * ATP-regulated potassium channel brain, Peptide Partial, * G PROTEIN-ACTIVATED INWARD RECTIFIER	
004070	POTASSIUM CHANNEL (GIRK3) (POTASSIUM CHANNEL, INWARDL [CHANNEL_PORE_K // IRK] CG4370 GH11459 97D1-	
CG4370	97D1 ID:63D11	
	+ porin ion_channel * DMMITPORN_2 porin * 1e-24 porin - yeast (Saccharomyces cerevisiae) outer mitochondri * 1e-162 voltage dependent anion-selective channel * 2e-55 code [Euk porin // EUKARYTPORIN // EUKARYOTIC] CG6647 GH11331 32B3-32B4	
000047	• =	
CG6647	dup:2/3 ID:63D2 + srp transcription_factor * GATA factor(aa) * DMGATAFAC_2 srp * 3e-12 GAT1_YEAST GAT1 PROTEIN probable membrane	
	protein YFL02 * 2e-18 ELT1 CAEEL TRANSCRIPTION FACTOR[GATAZNFINGER // LECTIN LEGUME BETA // G] CG3992	
CG3992	GH11649 89B3-89B4 dup:2/5 ID:63F10	
003992	+ Cbp53E_calcium_binding * DMCALB32A_2 Cbp53E * calbindin 2, (29kD, calretinin)(aa) * CALRETININ (CR)(aa) * CALBINDIN-	
CG6702	32(aa) [EF_HAND // efhand // EF_HAND_2] CG6702 GH11671 53E7-53E10 ID:63F12	
000702	+ receptor * 5e-05 LIRP_LOCMI LIRP PRECURSOR (LOCUSTA INSULIN-RELATED PEPTIDE) * * [INSULIN // Insulin //	
CG8167	NLS BP] CG8167 GH11579 67C-67C ID:63F4	
CG16959	+ unknown * [EGF_2] CG16959 GH11627 71B2-71B2 dup:2/2 ID:63F7	
0010333	+ ribosomal_protein * ribosomal protein L34(aa) * PROBABLE 60S RIBOSOMAL PROTEIN YIL052C(aa) * ribosomal protein	
CG9354	L34(aa) * 1e-47 RL34 AEDAL 60S RIBOSOMAL PROTEIN L34 (L3 NLS BP, RIBOSOMAL L34E CG9354 ID:63F9	
3 0000-r	+ endopeptidase * similar to the M13 or zinc metalloprotease family of peptidases(aa) * endothelin converting enzyme 1(aa) *	
CG9505	endothelin converting enzyme-2 - bovine [ZINC_PROTEASE // Peptidase_M13] CG9505 GH11680 28D1-28D1 ID:63G3	
CG18107	+ unknown * 1e-10 immune induced protein * 0.000000000002* 1E-141* CG18107 GH11719 55C9-55C9 ID:63G6	
3010101	i anatown to to minimum induced protein coocceptation in the left of total of the left of	

	+ Nacalphaunknown * 4e-13 EGD2_YEAST EGD2 PROTEIN EGD2 protein - yeast (Saccharomyc * 5e-73 alpha NAC * 1e-34 alph
CG8759	NAC/1.9.2. protein alpha-NAC, non-musc * 1e-34 Nasce CG8759 GH11940 49C2-49C2 dup:2/2 ID:63H12
none	+ none GH11889 ID:63H7
	+ zfh2 transcription_factor * ZINC-FINGER PROTEIN (ZINC-FINGER HOMEODOMAIN PROTEIN 2)(aa) * DMZFH2_2 zfh2 * 7e-
	40 Contains similarity to Pfam domain: (zf-C2H2), Score=[HOMEOBOX_1 // homeobox // ZF_MATRIN //] CG1449 GH11902
CG1449	102C1-102C3 dup:2/2 ID:63H9
	+ gbb signal_transduction * DM60AP * 60A PROTEIN PRECURSOR(aa) * 9e-17 contains similarity to the TGF-beta family of
005500	growth factors e * 3e-52 BMP7_MOUSE BONE MORPHOGENETIC PROT [TGFb_propeptide] CG5562 GH12092 60A5-60A5
CG5562	ID:64B10 + bnb unknown * DMBNBR_2 bnb * 1e-148 BNB_DROME BANGLES AND BEADS PROTEIN bangles and * GAP-43-related
CG7088	protein - fruit fly (Drosophila melanogaster) * bnb gene prod CG7088 GH12078 17D6-17D6 ID:64B8
CG7000	+ unknown * 1e-10 cDNA EST yk471b2.5 comes from this gene; cDNA EST yk471b2.3 come * * CG4742 GH12140 15A5-
CG4742	15A5 ID:64C2
	+ emc transcription_factor * DNA-binding protein inhibitor Id-1H - human(aa) * EXTRA-MACROCHAETAE PROTEIN(aa) *
	DMEMC_3 emc * 7e-78 extramacrochaetae protein - fruit fly[HELIX_LOOP_HELIX // HELIX_LOOP_HELIX_2] CG1007 GH12170
CG1007	61D1-61D2 dup:1/2 ID:64C5
	+ endopeptidase * DMEAST_4 ea * DMSNAKE_2 snk * 2e-28 SNAK_DROME SERINE PROTEASE SNAKE PRECURSOR
	serine proteina * 3e-18 similar to peptidase family S1 (trypsin famil [trypsin // CHYMOTRYPSIN // TRYPSIN_SER] CG6367
CG6367	GH12385 17B3-17B4 ID:64D10
CG5291	+ cell_adhesion CG5291 GH12331 dup:2/3 ID:64D5
	 enzyme * DMPAH Hn * 1e-114 phenylalanine hydroxylase * 1e-117 tryptophan hydroxylase * 1e-149 TR5H_MOUSE TRYPTOPHAN 5-MONOOXYGENASE (TRYPTOPHAN 5-HYDROXYLASE [FYWHYDRXLASE // biopterin_H // BIOPTERI]
CG9122	CG9122 GH12537 61F3-61F3 ID:64F2
CG14821	+ unknown * [PRO_RICH] CG14821 GH12583 65D5-65D5 ID:64F7
0014021	+ signal_transduction * Ras-binding protein SUR-8(aa) * 4e-25 adenylate cyclase * 9e-32 gene flightless-I protein - fruit fly
CG5407	(Drosophila melanogaster) (* 1e-152 Ras-bindi [LRR // LEURICHRPT] CG5407 GH12617 90A6-92E12 ID:64F8
	+ enzyme * diacylglycerol kinase(aa) * 2e-30 diacylglycerol kinase (EC 2.7.1.107) - fruit fly (Drosophila melanogaster) * 1e-57
CG5875	alpha diacylglycerol kinase; a [DAG_PE_BINDING_DOMAIN // RA // C1 // DA] CG5875 GH12677 95D1-97F1 dup:2/5 ID:64G5
CG10806	+ transporter * protein:Na+/H+ antiporter(aa) * cdu2(aa) * cdu2 cd * CG10806 GH12682 27C-27C ID:64G6
	+ Snap transporter * Snap * soluble NSF attachment protein(aa) * 3e-40 transport vesicle fusion protein SEC17 - yeast
CG6625	(Saccharomyces cerevisiae) * 1e-73 coded for by C. [NSFATTACHMNT] CG6625 GH12751 77B3-77B3 dup:1/2 ID:64G9
0047500	+ unknown * androgen-induced prostate proliferative shutoff associated protein(aa) * protein(aa) * 1e-28 unknown * 6e-40
CG17509	cDNA EST comes from this gene elegan CG17509 GH12788 48E2-48E2 dup:3/3 ID:64H3 + transcription_factor_binding * coded for by C. elegans cDNA yk131g12.5(aa) * Rack1 * transcription initiation factor IID-
	associated protein, 80K - fruit fly (Drosophil[WD40_REGION // BEACH_DOMAIN // IG_MHC /] CG6734 GH12955 33B10-33B11
CG6734	ID:65A8
CG8511	+ structural_protein * 9e-09 cuticle protein LCP65Ac cuticle p * 2e-11 CUD4_LOCMI ENDOCUTICLE STRUCTURAL
0000.1	2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2

	GLYCOPROTEIN (ABD-4A) g * 1e-10 Lcp65Ac * cuticle homolog [CUTICLE // insect_cuticle] CG8511 GH12964 49A3-49A3
	ID:65A9
	+ protein_kinase * serine/threonine kinase(aa) * predicted using Genefinder; Similarity to Arabidopsis serine/threonine proteikinase (PIR Acc. No. cDNA EST comes f [PROTEIN_KINASE_ST // TYRKINASE // PROTE] CG6114 GH13047 72A5-72B1
CG6114	ID:65B6
CG6123	+ unknown * [NLS_BP] CG6123 GH13094 17A7-17A7 ID:65B9
CG18065	+ unknown * CG18065 GH13245 57A8-57A8 ID:65C11
CG14889	+ structural_protein * [COLLAGEN_REP // Collagen] CG14889 GH13492 92A1-92A1 dup:1/2 ID:65D11
	+ sax transmembrane receptor * DMTVP 2 tkv * DMBKR4A 2 sax * 9e-13 NRK1 YEAST SERINE/THREONINE-PROTEIN
	KINASE NRK1 (N-RICH KINASE 1) * receptor protein serine/threoni[PROTEIN_KINASE_ST // PROTEIN_KINASE_DOM] CG1891
CG1891	GH13369 43E18-43E18 dup:2/2 ID:65D2
CG13784	+ unknown * CG13784 GH13387 27E4-27E5 ID:65D3
CG17108	+ * cdc2MsC(aa) * cdc2MsC * CG17108 32A-32A dup:4/4 ID:65E10
	+ cytoskeletal_structural_protein * 2e-47 dystrophin * 1e-117 unnamed protein product * 1e-143 dystrobrevin dystrobrevin * 1e
CG8529	143 dystrobrevin B [ZF_ZZ // ZZ // CYTOCHRÓME_C] CG8529 GH13689 49A6-49A7 dup:2/2 ID:65E12
	+ transporter * HYPOTHETICAL 48.6 KD PROTEIN IN CHROMOSOME II(aa) * DMORCT2_2 Orct * solute carrier family
CG7342	(organic cation transporter), member 1(aa) * 1e-42 putati [sugar_tr] CG7342 GH13557 92A11-94D3 dup:2/2 ID:65E3
	+ structural_protein * 8e-30 YLS5_CAEEL HYPOTHETICAL 55.1 KD PROTEIN F09G8.5 IN CHROMOSOME III * 2e-07 B7 *
CG14995	6e-36 chromosome open reading frame 28.3 KD PROTEIN C21OR * 8e- [LRR] CG14995 GH13848 64A7-64A8 dup:3/3 ID:65F12
	+ unknown * similar to Arabidopsis thaliana male sterility protein * 3e-52 /match=(desc:; /ma * 3e-32 male sterility 2-like protein
CG1441 * 3e-54 DMC103B4 CG1441 GH13752 46C5-46C5 ID:65F4	
	+ BcDNA:GH06032 transporter * DSERCA_2 Ca-P60A * 1e-158 ATC6_YEAST PROBABLE CALCIUM-TRANSPORTING ATPASE
000000	hypoth * Similarity to Yeast E1-E2 ATPase YEL031W (SW:YED1_YEAST); cDNA E[COF_2 // CATATPASE // E1-E2_ATPase]
CG6230	CG6230 GH13756 32D4-32D4 dup:2/2 ID:65F6
000000	+ unknown * 9e-05 glucose transport protein homolog - Caenorhabditis elegans * 2e-14 protein * 2e-14 transporter-like proteir
CG3690	p87 * predicted using Genefinder; [sugar_tr] CG3690 GH13765 1D1-1D1 ID:65F8 + signal_transduction * cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST comes from this gene
CG8683	cDNA EST comes from this gene; cDNA EST comes from this Gene, cDNA EST comes from this gene, cDNA EST comes from this gene;
CG0003	+ enzyme * putative dehydrogenase(aa) * GLYCERATE DEHYDROGENASE (NADH-DEPENDENT HYDROXYPYRUVATE
	REDUCTASE) (HPR) (GDH) (HYDROXYPYRUVATE DEHYDROGENASE) (GLYOXYL [D_2_HYDROXYACID_DH_3 // 2-
CG9331	Hacid DH] CG9331 GH13879 38E9-38E9 ID:65G4
000001	+ endopeptidase * mas * Ser5 * Tequila * zgr;Try [trypsin // CHYMOTRYPSIN // TRYPSIN_SER] CG11912 GH13929 21B7-
CG11912	21B8 ID:65G7
-	+ Cyp6a2 cytochrome_P450 * PUTATIVE CYTOCHROME P450 T10B9.7 IN CHROMOSOME II(aa) * DMCYP6A2A_5 Cyp6a2 *
	CYP6A2 * 3e-43 similar to cytochrome P450 [EP450II // MITP450 // CYTOCHROME_P450 /] CG9438 GH13965 42C5-42C5
000400	ID 0500

ID:65G9

	+ rb chaperone * beta3 * Beta3 protein(aa) * 2e-50 beta-adaptin protein * 2e-78 cDNA EST yk288h5.5 comes from this gene;
CG11427	cDNA EST yk288f1.5 comes CG11427 GH14079 4C4-4C4 ID:66A1
	+ Prm motor_protein * DMSTPMY_2 Prm * 7e-13 integrin homolog - yeast (Saccharomyces cerevisiae) * MYSP_DROME
CG5939	PARAMYOSIN, LONG FORM paramyosin, standard - f * 1e-179 Sili [NLS_BP] CG5939 GH14085 66D-66D ID:66A3
	+ peptidase * ALANINE/ARGININE AMINOPEPTIDASE(aa) * HYPOTHETICAL ZINC AMINOPEPTIDASE YIL137C(aa) *
004000	protein(aa) * aminopeptidase-like protein(aa) [ALADIPTASE // Peptidase_M1 // ZINC_PROT] CG1009 GH14158 62A5-62A5
CG1009	dup:1/2 ID:66B1
CG9665	unknown * 2e-05 CU19_LOCMI CUTICLE PROTEIN (LM-19) (LM-ACP 19) Lm-ACP1 * * [GRAM_POS_ANCHORING // insect_cuticle] CG9665 GH14349 73D-73D6 ID:66C3
CG9005	+ actin_binding * DMRCPA_X kel * protein(aa) * [BTB // KELCHREPEAT // Kelch] CG3571 GH14381 87A-87A dup:2/2
CG3571	ID:66C6
CG9813	+ unknown * [ATPASE_ALPHA_BETA] CG9813 GH14502 87E8-87E9 dup:1/2 ID:66D11
000010	+ ion_channel * 7e-59 DrosGluCl * 1e-48 Contains similarity to Pfam domain: (neur_chan), Score=39 * 7e-67 glycine receptor
CG14723	subunit alpha * 8e-68 glycine receptor al [neur_chan // NEUROTR_ION_CHANNEL // NRI] CG14723 GH14445 86F9-86F9 ID:66D
	+ transporter * DMORCT2_2 Orct * organic cation transporter(aa) * Similarity to Rat organic cation transporter cDNA EST
CG7084	comes from this gene; cDNA EST comes from [sugar_tr] CG7084 GH14589 94A11-96D1 dup:2/2 ID:66E11
	+ Con cell_adhesion * DMCONECTN_1 Con * 1e-180 cell-surface molecule connectin - fruit fly (Drosophila melanogaster) * 3e-
CG7503	15 coded for by C. elegans cDNA yk132e5.5; coded [LRR // LRRCT] CG7503 GH14524 64C6-64C7 dup:2/2 ID:66E2
CG9321	+ unknown * [ATP_GTP_A] CG9321 GH14542 29E4-29E4 dup:3/3 ID:66E4
CG9469	+ unknown * [PRO_RICH // NLS_BP // ATP_GTP_A] CG9469 GH14660 42E1-42E1 dup:2/3 ID:66F10
00400==	+ A(225) unknown * bt * MYOSIN LIGHT CHAIN KINASE, SMOOTH MUSCLE AND NON-MUSCLE ISOZYMES (MLCK)
CG18255	(CONTAINS: TELOKIN)(aa) * CG18255 GH14667 52D14-52D15 dup:3/3 ID:66F11
0040440	+ Rpn6 endopeptidase * 26S proteasome subunit p44.5(aa) * BLASTX 3.9E-25 YDL097C Protein of unknown function(dna) * 2e-
CG10149	90 hypothetical protein YDL097c - yeast (Saccharomyc [PCI_DOMAIN // PCI] CG10149 GH14689 51C2-51C2 ID:66F12 + transporter * 8e-59 MDL1_YEAST ATP-DEPENDENT PERMEASE MDL1 MDL1 protein - y * MDR5_DROME MULTIDRUG
	RESISTANCE PROTEIN HOMOLOG (P-GLYCOPROTEIN 65) * similar to mu [ATP_GTP_A2 // ABC_TRANSPORTER // ABC_tr]
CG10226	CG10226 GH14758 65A7-65A7 ID:66G7
	+ unknown * hypothetical protein(aa) * similar to human 5'-nucleotidase * Unknown(aa) * 6e-46 similar to human 5'-
CG1814	nucleotidase CG1814 GH14884 45F4-45F4 ID:66H7
	+ boss G_protein_linked_receptor * DMBRSEVM_5 boss * BOSS_DROME BRIDE OF SEVENLESS PROTEIN PRECURSOR
CG8285	(X558 * 4e-06 CELF35-1 * 2e-07 Unknown gene product CG8285 GH14887 96F9-96F9 dup:2/2 ID:66H8
	+ endopeptidase * Ypl125wp(aa) * possible RanBP7-importin-beta-Cse1p superfamily(aa) * 1e-36 hypothetical protein
000040	YPL125w - yeast (Saccharomyces cerevisiae) (* 1e-[trypsin // CHYMOTRYPSIN // IBN_NT // TR] CG8212 GH15020 52C-52C
CG8212	dup:1/2 ID:67A11
CG15512	+ unknown * CG15512 GH14951 99C7-99C7 dup:2/4 ID:67A3
CC2205	+ transporter * 1e-09 myo-inositol transporter * 5e-13 GTRL_DROME GLUCOSE TRANSPORTER-LIKE PROTEIN glucose
CG3285	transpo * 1e-08 Similar to sugar transporter; coded for b [N4_MTASE // SUGRTRNSPORT // SUGAR_TRANS] CG3285 GH15136

2511	-2511	ID:67B12
7:)A	-/:)A I	אות מעוו

CG7002

	25A1-25A1 ID:67B12
CG2505	+ alpha-Est2 enzyme * alpha esterase(aa) * agr;-Est2 * carboxylesterase MdaE7(aa) * alpha esterase [CHOLNESTRASE // ESTERASE // COesterase] CG2505 GH15053 84D6-85A3 ID:67B5
	 endopeptidase * PROCLOTTING ENZYME PRECURSOR(aa) * DMEAST_4 ea * 6e-67 EAST_DROME SERINE PROTEASE EASTER PRECURSOR serine protein * 3e-29 anticoagulant protein C [trypsin // CHYMOTRYPSIN // TRYPSIN_SER
CG3066	CG3066 GH15156 85B1-85B1 dup:2/5 ID:67C3
	+ transcription_factor * cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST comes from this gene cDNA EST comes from this gene; cDNA EST yk270e3.3 come [HELIX_LOOP_HELIX // LIPASE_SER] CG5455 GH15286 97B2-
CG5455	97B2 dup:2/3 ID:67D4
	+ th apoptosis_inhibitor * DMDIAP1X_3 th * APOPTOSIS INHIBITOR (INHIBITOR OF APOPTOSIS 1) (DIAP1) (THREAD PROTEIN)(aa) * 2e-05 similar to Zinc finger, C3HC4 type (RIN[zf-C3HC4 // BIR // BIR_REPEAT // BIR_RE] CG12284 GH15335
CG12284	72D1-72D1 dup:2/3 ID:67D8
CG11451	 + signal_transduction * 1e-06 fimbriae-associated protein Fap1 * * [NLS_BP] CG11451 GH15349 77E-77E8 dup:1/2 ID:67D9 + protein_kinase * Pak * 2e-89 STE20 * 2e-99 serine/threonine kinase PAK homolog DPAK * 8e-93 similar to serine/threonine
CG14895	protein kinase [PROTEIN_KINASE_ST // TYRKINASE // pkina] CG14895 GH15507 89C4-89C4 ID:67F10
CG12142	+ unknown * [TMFOUR] CG12142 GH15469 42E-42E ID:67F2
CG14178	+ CG14178 GH15480 ID:67F6
	 enzyme * antennal-specific short-chain dehydrogenase/reductase(aa) * 1e-22 YM71_YEAST HYPOTHETICAL OXIDOREDUCTASE IN MRPL44-MTF1 INTERGENIC REGION * 1e-13 si [GDHRDH // adh_short] CG13356 20B1-20B1 dup:1/2
CG13356	ID:67G2
CG2225	+ unknown * CG2225 GH15653 39E5-39E ID:67H2
CG7105	+ unknown * [FLAGELLA_BB_ROD] CG7105 GH15664 28D3-28D3 ID:67H3
	+ signal_transduction * SH3P18-like WASP associated protein(aa) * 35K proline-rich protein xlan4 - African clawed frog(aa) * p85SPR(aa) * 9e-07 YHA2_YEAST HYPOTHETICAL 51. [P67PHOX // SH3DOMAIN // SH3] CG11316 GH15696 100A7-100B
CG11316	dup:3/5 ID:67H5
	+ EG:66A1.3 unknown * by match; LD Drosophila melanogaster embryo BlueScript Drosophila melanogaster cDNA clone 5prime.;
CG12184	1-match_species=Drosophil(aa) * map_position:4 [PRO_RICH] CG12184 GH15731 4C6-4C6 dup:1/2 ID:67H9
CG7742	 unknown * [TBC // RAB_GAP] CG7742 GH15768 25C9-25C9 ID:68A4 enzyme * F1F0-ATP synthase g subunit(aa) * 9e-14 ATPN_CAEEL PUTATIVE ATP SYNTHASE G CHAIN,
CG6105	MITOCHONDRIAL * 3e-24 F1F0-type ATP synthase subunit g * 4e-25 AT CG6105 GH15786 32C5-32C5 dup:1/2 ID:68A6
330100	+ metabolism * 7e-06 UCRQ HUMAN UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX UBIQUINONE-BINDING
CG7580	PROTEIN * 7e-10 ubiquinolcytochrome-c reductase (EC 1.10.2.2) 9.5K pr CG7580 GH15942 74C3-74C3 ID:68B10
	+ transmembrane receptor * DMEMP 3 emp * DMCD362 2 croquemort * 9e-18 epithelial membrane protein - fruit fly
CG2736	(Drosophila melanogaster) * 8e-15 mLGP85/LIMP II [CD36] CG2736 GH15894 60E7-60E7 ID:68B4

endopeptidase * [TRYPSIN_CATAL] CG12558 GH15905 98E3-98E3 ID:68B5

+ Hml cell_adhesion * HEMOCYTIN PRECURSOR (HUMORAL LECTIN)(aa) * 3e-13 neurexin IV * 9e-15 similar to EGF-like

GH10101 35B7-35B7 ID:08D1
+ cell_adhesion * 7e-56 strong similarity to rat integral membrane glycoprotein GP120 precursor (SP:P116 * 4e-18 protein * 10
95 GP21_RAT INTEGRAL MEMBRANE GLYCOPROTE CG7897 GH16206 41F-41F dup:4/6 ID:68D5
+ * ZRP protein(aa) * 4e-10 hypothetical protein YDR299w - yeast (Saccharomyces cerevisiae) (U * 3e-26 ZRP protein * 2e-C
inserted at base Both 5' and [NLS_BP] CG11188 27A1-27A1 dup:2/2 ID:68D6
+ unknown * 5e-08 myosin phosphatase, target subunit (A * 1e-07 PP1M M21 subunit=protein phosphatase 1M kda regulator
subunit * myosin phosphatase, target subu CG5600 GH16214 72D3-72D4 dup:2/4 ID:68D7
+ transporter * predicted using Genefinder; Similarity to E.coli long-chain-fatty-acid-CoA ligase cDNA EST comes from this
gene; cDNA EST comes from this gene; cDNA CG17999 GH16244 57B7-57B7 ID:68D9
+ Anxb11 actin_binding * annexin IV(aa) * ANNEXIN IV (LIPOCORTIN IV) (36 KD ZYMOGEN GRANULE MEMBRANE
ASSOCIATED PROTEIN) (ZAP36)(aa) * DMANNIX AnnIX * annexin max4(aa) [ANNEXINVI // ANNEXINIV // ANNEXIN // an]
CG9968 GH16395 14C5-14C6 dup:3/3 ID:68E11
+ Cyp4g15 cytochrome_P450 * Cyp4e2 * CYTOCHROME P450 4C1 (CYPIVC1)(aa) * 2e-13 CP51_YEAST CYTOCHROME P450
(CYPL1) (P450-L1A1) (STEROL 14-ALPHA DEMETHYLASE) * 1E-151 [EP450II // p450 // P450 // CYTOCHROME_P] CG11715
GH16320 10B15-10B17 dup:2/2 ID:68E2
+ unknown * 4e-10 male-specific protein * * CG18111 GH16332 99B-99B dup:2/2 ID:68E4
+ endopeptidase * chymotrypsin-like serine protease(aa) * TRYPSIN DELTA PRECURSOR(aa) * DMEAST_4 ea * Ser6
[trypsin // CHYMOTRYPSIN // TRYPSIN_CATA] CG9672 GH16384 15A2-15A2 dup:2/2 ID:68E9
+ CG15068 GH16622 ID:68G10
+ unknown * 5e-07 YM62_CAEEL HYPOTHETICAL 23.2 KD PROTEIN K12H4.2 IN CHROMOSOME III * 5e-09 YBEB_ECOL
HYPOTHETICAL 11.6 KD PROTEIN IN MRDA-PHPB INTERGENIC REGI CG9166 GH16625 61F8-61F8 ID:68G11
+ RNA_binding * pit * 2e-78 SPB4_YEAST ATP-DEPENDENT RRNA HELICASE SPB4 RNA helicase S * 2e-69 helicase
pitchoune * 8e-87 YOQ2_CAEEL PUTATIVE ATP-DEPENDENT RNA HELI [helicase_C // HELICASE // DEAD // NLS_B] CG9630
GH16590 84F-84F ID:68G6
+ ligand_binding_or_carrier * FGF intracellular binding protein(aa) * FGF-1 intracellular binding protein * CG8660 GH16593
76D3-76D3 ID:68G7

unknown * CG16820 GH15921 34A11-34A11 dup:2/2 ID:68B9

70C4 dup:2/3 ID:68B8

GH16161 35B7-35B7 ID-68D1

ID:68C1

ID:68C7

CG16820

CG6432

CG8109

CG15279

domain, Fibrinogen beta and gamma chains, C-te * 1e-145 o[LDLRA_2 // vwd // EGF_1 // EGF_2 // CTC] CG7002 GH15913 70C4

enzyme * DMACOASYN 2 AcCoAS * 6e-96 ACS1_YEAST ACETYL-COENZYME A SYNTHETASE (ACETATE--COA

+ BG:DS03431.1 neurotransmitter_transporter * 1e-101 neurotransmitter transporter * 2e-86 similar to the sodium:neurotransmitter symporter family (SNF) * 1e-104 NTGL_MOUSE SODIUM-[NANEUSMPORT // NA_NEUROTRAN_SYMP_3 // S] CG15279

ion channel * DMARD1 2 nAcR bgr;-64B * nicotinic acetylcholine receptor alpha subunit(aa) * DMALSR 4 nAcR agr;-96A;

LIGASE 1) (ACYL-ACTIVATI * 1e-81 acetyl-CoA synthetase - fruit fly [AMP-binding] CG6432 GH15945 98B1-98B1 dup:1/2

* 9e-63 similar to neuronal acetylcholine rec [NICOTINICR // neur_chan // NEUROTR_ION_] CG8109 GH16126 18C3-18C3

0044040	+ * DMWHEELER_2 18w * DMCOP10_2 chp * 1e-20 leucine-rich motif (LRR) protein homology to interleukin receptor cy * 2e
CG11910	16 coded for by C. elegans cDNA yk [LRR] CG11910 96D2-96D2 dup:2/2 ID:68G8 + enzyme * Similar to calcium channel subunit; coded for by C. elegans cDNA yk19b1.5; coded for by C. elegans cDNA
CG6320	yk47a5.3; coded for by C. elegans cDNA yk47a [Ca_channel_B // SH3 // ATP_GTP_A] CG6320 GH16612 32D5-32D5 ID:68G9
CG11341	+ CG11341 ID:68H10
0011341	+ cell_adhesion * 4e-11 LAR_DROME PROTEIN-TYROSINE PHOSPHATASE DLAR PRECURSOR (PROTEIN-TYROSINE-
CG15426	PHOSPHAT * 1e-09 predicted protein contains a large number of Ig super [ig] CG15426 GH16705 24E1-24E3 dup:2/2 ID:68H5
chimera	+ chimera GH16723 ID:68H7
CG4230	+ unknown * CG4230 GH16729 25C-25C ID:68H8
00.200	+ enzyme * methylenetetrahydrofolate reductase(aa) * 5e-09 YGM5_YEAST HYPOTHETICAL 68.5 KD PROTEIN IN SCS3-
CG7560	SUP44 INTERGENIC REGION * 2e-14 methylenetetrahydro CG7560 GH18008 68C2-68C2 ID:70A11
	+ unknown * conserved hypothetical protein(aa) * CGI-111 protein(aa) * predicted using Genefinder; Similarity to E.coli
CG3663	hypothetical protein YCAC (SW:YCAC_ECOL [Isochorismatase // ATP_GTP_A] CG3663 GH17932 60D10-60D10 dup:1/3 ID:70A3
	+ unknown * hypothetical protein(aa) * 3e-09 hypothetical protein * 3e-91 inserted at base Both 5' and 3' ends of P element
CG17223	Inverse PCR * CG17223 GH17972 23C4-23C4 ID:70A7
	+ Taf250 transcription_factor * Taf250 * 3e-49 T145_YEAST TRANSCRIPTION INITIATION FACTOR TFIID KD SUBUNIT (TBP-
	ASSOCIATED * transcription factor * 5e-34 cDNA EST comes from this[BROMODOMAIN_2 // NLS_BP // BROMODOMAIN_]
CG17603	CG17603 GH17990 84A2-84C4 ID:70A9
	+ Gad1 enzyme * DCE_DROME GLUTAMATE DECARBOXYLASE (GAD) glutamate decarbo * 1e-163 predicted using
0044004	Genefinder; similar to Pyridoxal-dependent decar * 1e-169 67kD g [DDC_GAD_HDC_YDC // pyridoxal_deC] CG14994 GH18029
CG14994	64A5-64A7 ID:70B5
0040400	+ * 2e-09 SUR4_YEAST SUR4 PROTEIN (SRE1 PROTEIN) SUR4 protein - yea * 2e-13 predicted using Genefinder; similar
CG12138	GNS1/SUR4 family; cDNA EST * 3e-12 MU [NLS_BP] CG12138 46C-46C dup:3/4 ID:70C10 + deltaCOPligand binding or carrier * 7e-29 COPD YEAST COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-
	COP) * /motif=(desc:; /ma * 1e-103 COPD_CAEEL PROBABLE COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-
CG14813	GH18123 2B12-2B13 ID:70C8
CG 14013	+ RpL7A * DMRPL7A 2 RpL7A * 6e-69 RL4A YEAST 60S RIBOSOMAL PROTEIN L7A-2 (L4-2) (YL5) (RP6) * 1e-132
	RL7A DROME 60S RIBOSOMAL PROTEIN L7A ribosoma * 5e-07 NHP [RIBOSOMAL L7AE // Ribosomal L7Ae // L7A] CG3314
CG3314	6B1-6B1 dup:2/2 ID:70D12
CG9520	+ unknown CG9520 dup:5/5 ID:70E7
000020	+ endopeptidase * serine protease 18D(aa) * 4e-36 SNAK_DROME SERINE PROTEASE SNAKE PRECURSOR serine
	proteina * 2e-15 similar to peptidase family S1 (trypsin family) * [trypsin // CHYMOTRYPSIN // TRYPSIN_SER] CG11842 GH1860
CG11842	98F10-98F10 ID:70G11
	+ enzyme * F08F3.4 gene product(aa) * 2e-06 GALX_YEAST UDP-GLUCOSE 4-EPIMERASE (GALACTOWALDENASE) /
CG5955	ALDOSE 1-EPIMERASE (MUTA * 4e-84 F08F3.4 gene product * 2e- CG5955 GH18546 77C2-77C2 ID:70G5
CG12339	+ unknown * [NLS_BP] CG12339 GH18573 47B11-47B11 dup:1/2 ID:70G7

CG8864	+ Cyp28a5 cytochrome_P450 * CYP6A2(aa) * cytochrome P450 monooxygenase CYP28A1(aa) * 6e-37 YS24_CAEEL PUTATIV CYTOCHROME P450 IN CHROMOSOME II * 5e-40 cytochrome P450 3A[EP450II // p450 // P450 // EGF_2 // MIT] CG8864 GH18601 34E2-34E2 dup:1/2 ID:70G9
CG15891	+ unknown * CG15891 GH18658 5E1-5E1 ID:70H6
0010091	+ enzyme * 1e-09 ATPK_CAEEL PUTATIVE ATP SYNTHASE F CHAIN, MITOCHONDRIAL * 3e-10 ATPK_MOUSE ATP
CG4692	SYNTHASE F CHAIN, MITOCHONDRIAL * 2e-08 F1Fo-ATPase synthase f CG4692 GH18886 60D8-60D8 dup:1/2 ID:71A7
CG15772	+ unknown * 1E-141* * CG15772 GH18971 5B3-5B4 ID:71B2
	+ transmembrane_receptor * DMEMP_3 emp * 3e-53 epithelial membrane protein - fruit fly (Drosophila melanogaster) * 5e-24
CG3829	predicted using Genefinder; similar to CD36 family; cD [CD36] CG3829 GH19047 60E8-60E8 ID:71B9
CG13124	+ unknown * 1E-135* * CG13124 GH19095 33A1-33A1 dup:1/2 ID:71C3
	+ transporter * 7e-08 product highly similar to metabolite transport proteins * * [SUGAR_TRANSPORT_2 // sugar_tr] CG6640
CG6640	GH19118 67C10-67C10 ID:71C5
	+ enzyme * 3e-07 alpha-actinin-2 associated LIM protein * 9e-08 actinin-associated LIM protein * 4e-08 CL36_RAT LIM
CG6416	PROTEIN CLP36 LIM protein - rat * alpha-act [PDZ] CG6416 GH19182 66D9-66D ID:71D2
	+ BcDNA:GH02439 unknown * 1e-59 cDNA EST comes from this gene; cDNA EST co * 7e-33 cytoplasmic protein Ndr1 * 5e-32
CG2082	RTP nickel-specific inductio * 2e-25 development-related p CG2082 GH19206 83C-83C dup:2/2 ID:71D3
000040	+ endopeptidase * DMSNAKE_2 snk * gd * Tequila * zgr;Try [trypsin // CHYMOTRYPSIN // TRYPSIN_HIS] CG9649
CG9649	GH19262 88B3-88B3 ID:71D8
	+ transmembrane_receptor * patched (Drosophila) homolog(aa) * PATCHED PROTEIN HOMOLOG (PTC1) (PTC)(aa) * similate to drosophila membrane protein PATCHED * 1e-26 probable m[PHOSPHOPANTETHEINE // 5TM BOX] CG11212 GH19449
CG11212	42A10-42A10 dup:2/2 ID:71E10
CG7224	+ unknown * CG7224 GH19363 30C1-30C1 dup:3/3 ID:71E4
CG15386	+ unknown * 1E-132* * CG15386 GH19557 23D1-23D1 ID:71F10
0010000	+ peptidase * PROBABLE 55.1 KD PEPTIDASE C12B10.05(aa) * Xaa-Pro dipeptidase; peptidase D; prolidase;
	imidodipeptidase; proline dipeptidase(aa) * 2e-59 YEQ8_YEAST [Peptidase_M24 // MAPEPTIDASE] CG9581 GH19483 19C1-
CG9581	19C1 ID:71F2
000001	+ metabolism * HYPOTHETICAL 143.2 KD PROTEIN C14B9.8 IN CHROMOSOME III(aa) * phosphorylase kinase, alpha
	(liver), glycogen storage disease IX(aa) * PHOSPHORYLASE B [PRENYLATION // PHOSPHOPANTETHEINE] CG7766 GH19532
CG7766	8C13-8C14 dup:1/2 ID:71F8
CG4679	+ unknown * CG4679 GH19550 49F14-49F15 ID:71F9
	+ peptidase * 3e-78 aminopeptidase yscII * 9e-93 Similarity to Human aminopeptidase N (SW:AMPN_HUMAN); cDNA EST
	EMB * 1e-102 AMPN_MOUSE AMINOPEPTIDASE N (MICROSOM [ALADIPTASE // Peptidase_M1 // ZINC_PROT] CG5839
CG5839	GH19677 93F4-93F6 dup:3/7 ID:71G10
	+ transporter * unknown(aa) * anon-100EF-D3 * 1e-20 Similarity to Salmonella sodium/proline symporter (SW:PUTP_SALTY)
CG2196	* 1e-33 sodium iodide symporter [SSF // NA_SOLUTE_SYMP_3] CG2196 GH19680 100E2-100E3 ID:71G12
CG3282	+ transcription_factor * 3e-30 zinc finger motif protein * 6e-09 contains multiple of strong similarity to C2H2-type zinc fingers

	(PS:PS00 * 4e-25 zinc finger pro[zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG3282 GH19637 57B16-57B16 dup:1/2 ID:71G6
	+ peptidase * 1e-100 aminopeptidase yscII * 1e-112 Similarity to Human aminopeptidase N (SW:AMPN_HUMAN); cDNA EST
	EMB * 1e-165 AMPE_MOUSE GLUTAMYL AMINOPEPTIDASE [ALADIPTASE // NUCLEASE_NON_SPEC // Pept] CG8774
CG8774	GH19688 87E5-87E5 ID:71H1
CG17485	+ CG17485 GH19718 ID:71H3
	+ Eaat2 neurotransmitter_transporter * EXCITATORY AMINO ACID TRANSPORTER (SEAAT1)(aa) * glutamate transporter
	2B(aa) * CeGlt-2(aa) * predicted using Genefinder; Similari[SDF // EDTRNSPORT // NA_DICARBOXYL_SYMP] CG3159 GH19729
CG3159	21D1-21D1 dup:2/4 ID:71H5
0044000	+ enzyme * putative ribotol dehydrogenase(aa) * coded for by C. elegans cDNA CEESL70F; similar to protochlorophyllide
CG11200	oxidoreductases(aa) * CGI-82 protein(aa [GDHRDH // adh_short] CG11200 GH19857 56F17-56F17 ID:72A6 + transporter * Similarity to sugar transporters(aa) * DMORCT2_2 Orct * 2e-08 HXT5_YEAST PROBABLE GLUCOSE
	TRANSPORTER HXT5 hexose trans * 3e-90 putative organic ca [SUGAR_TRANSPORT_1 // sugar_tr] CG6126 89B13-89B13
CG6126	dup:1/4 ID:72A7
	+ endopeptidase * neuropsin(aa) * TRYPSIN BETA PRECURSOR(aa) * zgr;Try * 4e-27 TRYA_DROME TRYPSIN ALPHA
CG1497	PRECURSOR trypsin-like proteinase ([trypsin // CHYMOTRYPSIN // TRYPSIN_HIS] CG1497 GH20003 19F1-19F1 ID:72B8
	 peptidase * 1e-30 YHT2_YEAST HYPOTHETICAL 49.8 KD PROTEIN IN ACT3-YCK1 INTERGENIC REGION
	PRECURSOR * 7e-06 carboxypeptidase precursor * 4e-52 similar to zinc ca [CRBOXYPTASEA // Zn_carbOpept] CG8560
CG8560	GH20109 65F7-65F8 ID:72C10
CC10224	+ Hs2st enzyme * DMSD_2 Sd * SEGREGATION DISTORTER PROTEIN(aa) * 2e-74 cDNA EST yk273d10.3 comes from this gene; cDNA EST yk273d10.5 come * 1e-101 heparan sulfate 2- CG10234 GH20044 37E3-37E3 ID:72C3
CG10234 CG12375	
CG12375 CG10209	 unknown * 1e-05 hypothetical protein * * [lactamase_B] CG12375 GH20064 28E-28E ID:72C5 unknown * [PRO RICH] CG10209 GH20077 51D1-51D1 ID:72C8
CG 10209	+ enzyme * polyketide synthase(aa) * 1e-68 CEM1_YEAST SYNTHASE HOMOLOG (BETA-KETOACYL-ACP * 1e-69 similar
	to beta-ketoacyl synthase * 3e-92 putative 3-oxoacyl [B_KETOACYL_SYNTHASE // PPTA // ketoacyl] CG12170 GH20093 83B6-
CG12170	83B6 ID:72C9
	+ GI transcription_factor * DMGLASS_8 gl * GLAS_DROME GLASS PROTEIN finger protein glass - fruit fly * 3e-19 similar to
	zinc finger protein * 3e-30 zinc finger type transcrip[ZINC_FINGER_C2H2 // zf-C2H2 // ZINC_FIN] CG7672 GH20219 91A-91A2
CG7672	ID:72D10
0.0	+ transporter * BLASTX 2.0E-28 Human sodium iodide symporter mRNA, complete cds.(dna) * 4e-36 unknown * 2e-17
CG7720	Similarity to Salmonella sodium/proline symporter (SW: [NA_SOLUTE_SYMP_3] CG7720 GH20226 93F9-91C7 ID:72D11
CG7945	+ chaperone * contains similarity to mouse DRPLA protein * 3e-21 BCL2-associated athanogene 2; BAG-2 (AF09 * 8e-16 contains similarity to mouse DRPLA protein ele CG7945 76A1-76A1 ID:72D12
CG7945	+ unknown * 1e-39 /match=(desc:; /ma * 3e-06 F20D6.5 gene product * predicted using Genefinder * cDNA EST yk381e5.3
CG10514	comes from this gene [NLS_BP] CG10514 GH20308 96C7-96C7 dup:2/2 ID:72E7
0010011	+ Myosin-heavy-chain-like motor_protein * nonmuscle myosin II heavy chain A(aa) * nonmuscle myosin heavy chain-A(aa) *
	myosin heavy chain nonmuscle form A - human(aa) * 2e-97 m[myosin_head // IQ // MYOSINHEAVY] CG10218 GH20309 89B7-
CG10218	89B7 dup:4/4 ID:72E8

CG17822	+ transcription_factor CG17822 GH20378 ID:72F5
CG15688	+ unknown * CG15688 GH20388 92F4-92F5 ID:72F7
CG12089	+ unknown * 7e-07 beaten path precursor * 9e-09 beat * * CG12089 GH20456 98D1-98D1 ID:72G2
CG18020	+ projectin [Drosophila melanogaster] CG18020 ID:72G5
CG5797	+ unknown CG5797 dup:1/3 ID:72G9
CG8981	+ unknown * [BRCT_DOMAIN // BRCT] CG8981 GH20709 48D1-48D1 ID:72H11
000301	+ transporter * putative methyltransferase(aa) * 6e-05 probable membrane protein YDR198c - yeast (Saccharomyces
	cerevisiae) * 2e-09 putative methyltransferase * F21 [ATP_GTP_A2 // ABC_TRANSPORTER // ABC_tr] CG7955 GH20617 62A-
CG7955	62A ID:72H3
CG10408	+ enzyme CG10408 ID:72H5
CG17111	+ unknown * CG17111 GH20645 94D13-94D13 ID:72H6
	+ enzyme * Similar to glycogenin.(aa) * GLYCOGENIN(aa) * 1e-27 GLG2_YEAST GLYCOGEN SYNTHESIS INITIATOR
CG9480	PROTEIN GLG2 hy * 7e-67 Similar to glycogenin. CG9480 GH20752 57C7-57C7 dup:1/2 ID:73A3
	+ structural_protein * 4e-07 CUP8_DROME PUPAL CUTICLE PROTEIN EDG-84 PRECURSOR ecdyson * 3e-08
	CU19_LOCMI CUTICLE PROTEIN (LM-19) (LM-ACP 19) Lm-ACP1 * 5e-09 DMEDG84A_3 Ed [CUTICLE // PRO_RICH //
CG6305	insect_cuticle] CG6305 GH20904 50C9-50C11 ID:73B10
CG17736	+ unknown * CG17736 GH20919 76E2-76E2 ID:73B12
	+ Vha68 enzyme * VACUOLAR ATP SYNTHASE CATALYTIC SUBUNIT A (V-ATPASE KD SUBUNIT) (VAA3-1)(aa) * encodes a
0040400	protein with three (ABC) that is spliced to yield the extei [ATP-synt_ab // ATP-synt_ab_C // ATPASE_] CG12403 GH21132 34A-34
CG12403	ID:73D11
CG1383	 unknown * 2e-74 F55A12.9 gene product * * CG1383 43E12-43E13 ID:73D4 transporter * 2e-28 YG5F_YEAST PUTATIVE MITOCHONDRIAL CARRIER YGR257C hypot * 1e-52 YQ51_CAEEL
	PUTATIVE MITOCHONDRIAL CARRIER C16C10.1 (Z * 1e-53 mitochondrial ca [mito_carr // MITOCH_CARRIER] CG14208
CG14208	GH21048 18D8-18D8 ID:73D5
CG6958	+ structural protein * [GAPDH] CG6958 GH21194 94C4-94C4 dup:3/3 ID:73E12
000000	+ enzyme * 5e-12 GLO2_YEAST HYDROXYACYLGLUTATHIONE HYDROLASE ISOZYME (GLYOXALASE II) (GLX II) * 2e-
	62 cDNA EST yk301h4.5 comes from this gene; cDNA EST yk301h4 [lactamase_B // NLS_BP // ATP_GTP_A] CG9026 GH21160
CG9026	47F7-47F7 dup:3/3 ID:73E3
	+ DNA_binding * cDNA EST yk384f3.5 comes from this gene; cDNA EST comes from this gene; cDNA EST yk287a1.5 come
CG6204	from this gene(aa) * 5e-30 YE06_YEAST HYPOTHETICAL [ATP_GTP_A] CG6204 GH21168 95E5-95E5 dup:2/2 ID:73E5
	+ ligand_binding_or_carrier * MAP-kinase activating death domain(aa) * Rab3 GDP/GTP exchange protein(aa) * regulator of
	presynaptic activity(aa) * 3e-12 CRAG protein [DENN_DOMAIN // PRO_RICH // ATP_GTP_A] CG5627 GH21304 13A12-13B1
CG5627	ID:73F8
CG7803	+ CG7803 ID:73G3
007040	+ Acp1 structural_protein * Acp1 * ADULT CUTICLE PROTEIN PRECURSOR (DACP-1)(aa) * cuticle protein=Dacp-1
CG7216	melanogaster, Peptide, * CG7216 GH21504 28C3-28C3 dup:1/2 ID:73G8

	+ mu2 unknown * mutator 2(aa) * mutator * 4e-06 Pax transcription activation domain interacting protein PTIP * CG1960
CG1960	GH21591 62B11-62B11 dup:2/2 ID:73H6
	+ unknown * 2e-07 /match=(desc: * 3e-08 MPV1_MOUSE MPV17 PROTEIN mpv17 protein - mouse * 1e-07 MpV17
CG12355	transgene, murine homolog, glomerulosclerosis * 1e-06 PMP2_ CG12355 GH21685 75F9-75F9 ID:74A4
22224	+ ligand_binding_or_carrier * 4e-59 62D9.a * 1e-09 cellular retinaldehyde-binding protein; CRALBP * 3e-14 tocopherol (alpha)
CG3091	transfer protein (ataxia (Friedreich-like) with * 3e- [CRAL_TRIO] CG3091 GH21689 2F1-2F1 ID:74A6
000450	+ motor_protein * mutated in colorectal cancers(aa) * 3e-05 myosin heavy chain, MHC CCl4-cirrhotic liver fat-storing cell I * 2e
CG6156	06 DMMHC_2 Mhc * myosin heavy chain I CG6156 GH21874 88F1-88F1 dup:2/2 ID:74B12 + unknown * POLYPOSIS LOCUS PROTEIN (TB2 PROTEIN)(aa) * pathogenicity protein(aa) * 2e-09 YSV4_CAEEL
CG5539	HYPOTHETICAL 26.6 KD PROTEIN T19C3.4 IN CHROMOSOME III (U CG5539 GH21788 60A2-60A2 ID:74B2
000000	+ metabolism * 3601, 14-kDa protein subunit of reductase complex(aa) * ubiquinol-cytochrome c reductase binding protein(aa
CG3560	* UBIQUINOL-CYTOCHROME C REDUCTASE COMP CG3560 GH21854 14B12-14B12 ID:74B9
	+ unknown * /match=(desc:; /match=(desc:(aa) * 4e-77 /match=(desc:; /ma * 7e-06 No definition line found * No definition line
CG7135	found CG7135 GH21891 16F7-16F7 dup:1/2 ID:74C3
CG10947	+ * hypothetical protein(aa) * 3e-07 hypothetical protein * * CG10947 38C9-38C9 dup:2/2 ID:74C6
	 + enzyme * 7e-97 ALAM_YEAST PUTATIVE ALANINE AMINOTRANSFERASE, MITOCHONDRIAL PRECURSOR
	(GLUTAMIC * 1e-159 Similar to alanine aminotransferase; coded for by C. [aminotran_1 // ACCSYNTHASE] CG1640 GH21936
CG1640	11E9-11E10 dup:2/3 ID:74C8
	+ receptor * 3e-10 tolloid related-1 * 5e-17 similar to CUB domain (2 domains), Low-density lipoprotein recepto * 8e-15
005440	BMP1_MOUSE BONE MORPHOGENETIC PROTEIN PRE [LDLRA_2 // CUB // Idl_recept_a // PRO_R] CG5449 GH21941 94A3-
CG5449	94A3 ID:74C9 + transcription_factor * TRANSCRIPTION FACTOR ADF-1 (ADH DISTAL FACTOR 1)(aa) * DMADF1A_2 Adf1 * 3e-07 cDNA
CG10949	EST comes from this gene; cDNA EST yk319a3.5 come [NLS_BP // ATP_GTP_A] CG10949 GH22016 38C9-38C9 ID:74D3
CG10693	+ CG10693 GH22026 ID:74D5
0010000	+ kls unknown * klarsicht protein(aa) * 8e-06 protein * hypothetical protein * protein [NLS_BP // SUGAR_TRANSPORT_1]
CG17046	CG17046 GH22034 61C3-61C7 dup:5/6 ID:74D8
	+ enzyme * phospholipase B(aa) * similar to phospholipase precursor; cDNA EST comes from this gene; cDNA EST comes
	from this gene; cDNA EST comes from this ge [LIPASE_GDSL_SER // LIPASE_GDSL // Lipas] CG7365 GH22081 76F3-76F3
CG7365	dup:2/2 ID:74E2
	+ endopeptidase * ADAMTS-1(aa) * 1e-86 Weak similarity to Eimeria thrombospondin (PIR Acc. No. c * 1e-102 secretory
	protein containing thrombospondin motifs * 2e-74 a [TSP1 // ADAM_MEPRO // RECEPTOR_CYTOKINE] CG4096 GH22104 5B1-
CG4096	5B1 dup:3/3 ID:74E6
CG2233	+ unknown * CG2233 GH22123 7D5-7D5 dup:5/5 ID:74E8
0047000	+ cell_adhesion * Down syndrome cell adhesion molecule(aa) * 3e-66 neuroglian * 1e-58 predicted protein contains a large
CG17800	number of Ig superfamily repeat * 2e-39 PTPT9 [ig // PRO_RICH // fn3] CG17800 GH22207 43B1-43B2 dup:3/4 ID:74F3 + chitinase * dJ73M23.3 * 1E-137* 9e-06 chitinase protein precursor * similar to similar to [EGF_2] CG7565 GH22222 66B6-
CG7565	66B6 ID:74F4
337000	0000 10.7 11 1

CG11737	+ unknown * 3e-24 K02G10.3 gene product * * CG11737 GH22337 85A5-85A5 ID:74G2
CG8920	+ BcDNA:LD21403 unknown * unknown * 1e-06 tudor repeat associator with PCTAIRE * [TUDOR] CG8920 GH22439 57A-57A dup:2/2 ID:74G9
	+ enzyme * histidyl tRNA synthetase - Caenorhabditis elegans(aa) * HISTIDYL-TRNA SYNTHETASE HOMOLOG (HISTIDINE -TRNA LIGASE HOMOLOG) (HISRS)(aa) * HISTIDYL-TRN [WHEP-TRS // tRNA-synt_2b // AA_TRNA_LIG] CG6335 GH22474
CG6335	17B5-17B5 ID:74H5 + acyl-CoA_dehydrogenase * Similar to acyl-CoA dehydrogenase; coded for by C. elegans cDNA yk122b9.5(aa) * acyl-Coenzyme A dehydrogenase, short/branched chain prec[Acyl-CoA_dh // ACYL_COA_DH_1 // ACYL_CO] CG3902 GH22479 75E2
CG3902	75E2 dup:2/2 ID:74H6 + msl-2 DNA_binding * male-specific lethal-2(aa) * DMDNAMEL2_2 msl-2 * MSL2_DROME MALE-SPECIFIC LETHAL-2 PROTEIN RING finger prote * 3e-38 male-specific lethal-2 [ZINC FINGER C3HC4 // PRO RICH // NLS BP] CG3241 GH22488
CG3241	25A3-25A3 ID:74H7 + * DnaJ-1 * heat shock protein dnaJ homolog - human(aa) * similar to DNAJ protein; cDNA EST comes from this gene; cDN
CG5001	EST comes from this gene; cDNA E CG5001 ID:75A5
	+ unknown * C25E10.5 gene product(aa) * 7e-38 weak similarity to two short of multi-drug resistance proteins * No definition
CG8596	line found * Similarity to multidr CG8596 GH22722 65F3-65F3 ID:75B11
	+ enzyme * PUTATIVE UBIQUINONE BIOSYNTHESIS MONOOXGENASE COQ6(aa) * CGI-10 protein(aa) * UbiH-like protein(aa) * COQ6 monooxygenase; Coq6p(aa) [UBIH // Monooxygenase // RNGMNOXGNASE] CG7277 GH22740 25E6-25E6
CG7277	ID:75C2
CG8991	+ transcription_factor * [PRO_RICH] CG8991 GH22790 48C-48C ID:75C6
000991	+ bt protein_kinase * projectin - fruit fly (Drosophila melanogaster)(aa) * bt * similar to Fibronectin type III domain (31 domains),
CG1479	IG (immunoglobulin) superfami[ig // PROTEIN_KINASE_ST // FNTYPEIII //] CG1479 GH22863 102D6-102E1 dup:1/2 ID:75D11 + enzyme * I(2)37Cs * Cs protein * 2e-19 No definition line found * 4e-15 protein [NAD_BINDING] CG10561 GH22841 37C1-
CG10561	37C1 dup:2/2 ID:75D3
CG3330	+ unknown * CG3330 GH22851 97F8-97F8 ID:75D7
CG3770	+ unknown CG3770 dup:2/2 ID:75E10
CG11388	+ unknown * CG11388 GH22974 60B1-60B1 dup:2/2 ID:75E11
	+ dei transcription_factor * DMDELILAH_2 dei * HELIX-LOOP-HELIX PROTEIN DELILAH(aa) * 2e-08 ATH2_MOUSE ATONAL PROTEIN HOMOLOG (HELIX-LOOP-HELIX PROTEIN MATH-2) (MATH2) (* 6e[HLH // HELIX_LOOP_HELIX // HELIX_LOOP_H]
CG5441	CG5441 GH22991 100A5-100A5 ID:75F3
CG6038	+ unknown * CG6038 GH23035 71C2-71C2 ID:75G3
CG2985	+ YP1 CG2985 dup:1/5 ID:75H3
	+ unknown * hypothetical protein gs1.1.27.1(aa) * 6e-26 hypothetical protein YPL020c - yeast (Saccharomyces cerevisiae) (*
CG11023	1e-29 YRW3_CAEEL HYPOTHETICAL 75.7 K CG11023 GH23213 21A3-21A3 dup:1/2 ID:75H9
CG3868	+ signal_transduction * 2e-07 antifreeze glycopeptide AFGP polyprotein precursor * * CG3868 GH23259 70D7-70D7 ID:76A
CG12283	+ kek1 cell_adhesion * KEK1(aa) * kek1 * 2e-11 Simiarity to Rat insulin-like growth factor binding protein comple * 1e-17 leucine

CG8723	+ enzyme * coded for by C. elegans cDNA yk61f5.5; coded for by C. elegans cDNA yk40b3.5; coded for by C. elegans cDNA yk129d12.5; coded for by C. elegans cDNA [CPSASE_2 // Carboxyl_trans // CPSase_L_] CG8723 GH23405 43F8-43F9 dup:3/4 ID:76B12
000723	+ unknown * cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA
CG10383	EST comes from this gene; cDNA EST yk270e3.3 come CG10383 GH23377 37A4-37A4 ID:76B6
	+ cytoskeletal_structural_protein * p60 katanin(aa) * katanin p60 subunit(aa) * 4e-42 CC48_YEAST CELL DIVISION
	CONTROL PROTEIN cell divisi * 3e-43 transitional endoplasmic reticulum A [AAA // NLS_BP // ATP_GTP_A] CG1193 GH23455
CG1193	83C-83C ID:76C7
	+ 18w cell_adhesion * DMWHEELER_2 18w * 5e-15 CYAA_YEAST ADENYLATE CYCLASE (ATP PYROPHOSPHATE-LYASE
CG8896	(ADENYLYL CYCLASE) * leucine-rich motif (LRR) protein homology to int CG8896 GH23463 56F9-56F9 dup:1/4 ID:76C9
000000	+ Ark unknown * 1e-05 apoptotic protease activating factor * 3e-06 apoptotic protease activating factor * 2e-34 inserted at base
CG6829	Both 5' and 3' ends of P element In [ATP_GTP_A] CG6829 GH23583 53F1-53F1 ID:76D11
CG6359	+ transporter * similar to PhoX homologous domain, present in p47phox and p40phox.(aa) * SDP8(aa) * 2e-18 hypothetical protein YOR357c - yeast (Saccharomyces cerev [PX // BEM_DOMAIN] CG6359 87C5-87C5 ID:76D8
CG0339	+ protein kinase * LIM actin binding protein (limatin)(aa) * Xlimk1(aa) * 1e-18 protein kinase D * 4e-12 PINCH
CG1848	[LIM_DOMAIN_1 // PROTEIN_KINASE_DOM // L] CG1848 GH23615 11B10-11B12 dup:2/2 ID:76E5
	+ enzyme * DMGLDY01_11 Gld * 1e-101 DHGL_DROME GLUCOSE DEHYDROGENASE (ACCEPTOR) PRECURSOR glu '
	6e-68 similar to choline dehydrogenase; cDNA EST yk346d5.5 come [GMC_oxred // GMC_OXRED_2] CG9519 13A1-13A1
CG9519	dup:2/2 ID:76E9
	+ enzyme * 1e-31 pdb 1SDY A Saccharomyces cerevisiae Saccharomyces cerevisiae * 1e-34 SODC_DROME SUPEROXIDE
22227	DISMUTASE (CU-ZN) superoxide dismuta * 5e-38 SODE_C [CUZNDISMTASE // SOD_CU_ZN_1 // SOD_CU_Z] CG9027 47F6-
CG9027	47F7 ID:76F8
CG7628	+ transporter * Phosphate Permease(aa) * leukemia virus receptor - human(aa) * 3e-27 YB8I_YEAST PUTATIVE PHOSPHATE-REPRESSIBLE PHOSPHATE PERMEASE YBR29C * 9e-52 Sim [PHO4] CG7628 GH23727 70E3-68A5 ID:76F9
CG7020	+ endopeptidase * mas * DMSER1 2 Ser99Dc * 7e-61 serine proteinase (EC 3.4.21) precursor - fruit fly (Drosophila
	melanogast * 2e-29 EL2_MOUSE ELASTASE PRECURSOR pan [trypsin // CHYMOTRYPSIN // TRYPSIN_SER] CG6467
CG6467	GH23808 65A2-65A2 ID:76G10
CG17549	+ unknown * CG17549 GH23745 37E1-37E1 dup:2/2 ID:76G4
	+ unknown * 1e-05 NIPM_BOVIN NADH-UBIQUINONE OXIDOREDUCTASE KD SUBUNIT (COMPLEX I-15 KD) (CI-15 * *
CG11455	CG11455 GH23780 21B2-21B2 ID:76G6
CG6424	+ BcDNA:GH05095 motor_protein * 8e-34 protein * * [NLS_BP] CG6424 GH23788 54E3-54E4 dup:1/3 ID:76G9
CG9780	+ unknown * [ABC_TRANSPORTER] CG9780 GH23891 82A4-82A4 ID:76H12
	+ EG:132E8.4 motor_protein * DMC132E8 * 4e-06 USO1_YEAST INTRACELLULAR PROTEIN TRANSPORT PROTEIN USO1 (*
CG11448	melanog * 2e-31 similar to coiled coil domains; cDNA EST yk302g12.5 com CG11448 GH23825 2A3-2A3 ID:76H2
004000	+ Pcd enzyme * Pcd * 5e-40 pterin-4a-carbinolamine dehydratase * 1e-24 similar to 4a-carbinolamine dehydratases * 4e-22
CG1963	pterin-4-alpha-carbinolamine dehydratase (E [RIBOSOMAL_L23 // Pterin_4a] CG1963 GH23826 99C1-99C1 dup:1/2 ID:76H3

rich-repeat protein [ig // LRR // LEURICHRPT // LRRCT] CG12283 GH23277 34A-34A dup:1/2 ID:76A7

CG3403	+ unknown * HYPOTHETICAL 30.5 KD PROTEIN C30A5.3 IN CHROMOSOME III(aa) * CGI-95 protein(aa) * 2e-10 MOB1_YEAST MOB1 PROTEIN (MPS1 BINDER 1) * 9e-09 putative mit CG3403 GH23829 42C6-42C6 ID:76H4
CG8866	 protein_kinase * DMSTPK Pk61C * DMFUSED_2 fu * similar to the CDF-1/PDGF receptor family of tyrosine protein kinases(aa) * DMRSK_2 S6kII [PROTEIN_KINASE_ST // TYRKINASE // PROTE] CG8866 GH23955 85D8-85D9 ID:77A4 structural_protein * 4e-11 cuticle protein LCP65Ac cuticle p * 3e-13 CLP1_HELAM LARVAL CUTICLE PROTEIN
CG2555	PRECURSOR larval cut * 5e-13 Lcp65Ac * CU16_MANSE LARVAL CUTICLE [CUTICLE // insect_cuticle] CG2555 GH23965 11B10-11B10 ID:77A6 + brm DNA_binding * DMBRAPRO_6 brm * 1e-180 STH1_YEAST NUCLEAR PROTEIN STH1/NPS1 nuclear protein STH *
CG5942	BRM_DROME HOMEOTIC GENE REGULATOR (BRAHMA PROTEIN) transc * pred [SNF2_N] CG5942 GH23970 72C1-72C1 ID:77A7
CG4288	 + transporter * EAT-4(aa) * 2e-55 Na(+)-dependent inorganic phosphate cotransporter mela * 4e-92 EAT-4 * 1e-57 NPT1_MOUSE RENAL SODIUM-DEPENDENT PHOSPHATE TRANSPORT CG4288 GH23975 92E8-92E8 ID:77A9 + motor_protein * epidermal growth factor pathway substrate 15(aa) * involved in signaling by the epidermal growth factor
CG16932	receptor; Method: conceptual translation su [EPS // EF_HAND // efhand // EF_HAND_2] CG16932 60D14-60D15 dup:2/4 ID:77B5
CG8367	 transcription_factor * zinc finger protein 37(aa) * hkb * 2e-17 AZF1_YEAST ASPARAGINE-RICH ZINC FINGER PROTEIN AZF1 fin * 4e-47 zinc finger motif protein [zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG8367 GH24215 50E4-50E4 ID:77C11 unknown * 5e-11 HST2 YEAST HST2 PROTEIN (HOMOLOGOUS TO SIR2 PROTEIN 2) * 1e-09 SIR2 * 1e-48 similar to
CG3187	SIR; cDNA EST yk300f10.3 comes from this gene * 3e-49 u CG3187 GH24142 5A12-5A12 ID:77C5
CG9663	+ transporter * DMWHITER_2 w * WHITE PROTEIN HOMOLOG(aa) * hypothetical protein * 3e-39 ORF YOL075c [ATP_GTP_A2 // ABC_TRANSPORTER // ABC_tr] CG9663 GH24286 25A1-25A1 ID:77D10 + Ice endopeptidase * DMICEPROT_2 Ice * 2e-10 ETFB_YEAST PROBABLE ELECTRON TRANSFER FLAVOPROTEIN BETA
CG7788	SUBUNIT (BETA-ETF) * ICE_DROME CASPASE PRECURSOR (DRICE) drICE pr * [CASPASE_P10 // ICE_p10 // CASPASE_P20 /] CG7788 GH24292 99C4-99C4 ID:77D11
0044000	+ Cyp4ac1 cytochrome_P450 * 2e-75 /motif=(desc:; /ma * 3e-80 similar to Cytochrome P450 * 1e-54 cytochrome P450 Cyp4a -
CG14032	mouse * 2E-56 [EP450II // p450 // P450 // MITP450 // C] CG14032 GH24257 25D2-25D2 ID:77D4 + az2 transcription_factor * zf43C * 2e-09 AZF1_YEAST ASPARAGINE-RICH ZINC FINGER PROTEIN AZF1 fin * putative zinc finger protein * 3e-09 similar to Zinc finger, C2H2 type (3 do [SERPIN // zf-C2H2 // ZINC_FINGER_C2H2] CG1605 43D3-43D3
CG1605	dup:3/3 ID:77E5
CG6922	 unknown * 6e-43 COX11 (AA 1-277) * 2e-44 cDNA EST comes from this gene; cDNA EST co * 1e-124 protein * 3e-51 component involved in Haem biosynthesis americana CG6922 GH24534 25E6-25E6 ID:77F11 enzyme * DMC103B4 * 1e-05 LYS2 YEAST AMINOADIPATE-SEMIALDEHYDE DEHYDROGENASE LARGE SUBUNIT
CG12268	(ALPHA-AMINOADI * 2e-53 /match=(desc:; /ma * 4e-75 similar to Arab [HELIX_LOOP_HELIX] CG12268 GH24480 95C13-95C13 ID:77F5
CG7682	 unknown * 1e-149 inserted at base Unknown 5' end of P element Plasmid rescue * * [NLS_BP] CG7682 GH24605 91A2-91A2 ID:77G5
CG6745	 unknown * Yor243cp(aa) * 2e-79 YO43_YEAST HYPOTHETICAL 77.0 KD PROTEIN IN HES1-SEC63 INTERGENIC REGION * 3e-35 YQ4B_CAEEL HYPOTHETICAL 64.6 KD PROTEIN IN CHRO [UPF0024 // NLS_BP] CG6745 GH24787 66D4-

66D4 ID:77H10)
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	000-10.771110
CG10731	 unknown * 4e-14 weak similarity to Bos taurus mitochondrial ATP synthase coupling factor B (SP * 1e-11 unknown * 8e-06 ATPW BOVIN ATP SYNTHASE COUPLING FACTOR CG10731 GH24822 52F3-52F3 ID:77H11
	+ ion_channel * DMCNGCHAN_2 Cng * cyclic nucleotide-gated ion channel LCNG1(aa) * cyclic nucleotide gated channel alpha 3(aa) * cyclic nucleotide-gated channel(aa) [cNMP_binding // CNMP_BINDING_1 // CHANN] CG9176 GH24752 13C5-13C5
CG9176	dup:2/3 ID:77H7
	+ chif cell_cycle_regulator * activator of S phase kinase(aa) * map_position:35F11-36A2 * BLASTX 8.0E-09 Lytechinus variegtus Endo16 homolog (LvEndo16) mRNA, partial cds.(dna) * [GRAM_POS_ANCHORING // NLS_BP] CG5813 GH25089 35F9-35F10
CG5813	dup:1/2 ID:78C4
	+ tkv signal_transduction * DMTVP_2 tkv * transmembrane receptor type I transforming growth factor beta receptor) plasma
CG14026	membrane plasma membrane) map_position:25D6 * 2E-5[PROTEIN_KINASE_DOM // pkinase // TGFB_R] CG14026 25C10-25D dup:4/7 ID:78D11
CG8444	+ CG8444 ID:78D12
	+ Pu enzyme * 4e-52 GCH1_YEAST GTP CYCLOHYDROLASE I (GTP-CH-I) GTP cyclohyd * 1e-133 GCH1_DROME GTP
	CYCLOHYDROLASE I (GTP-CH-I) (PUNCH PROTEIN) * 2e-67 GCH1_CAEEL [GTP_cyclohydrol // GTP_CYCLOHYDROL_1_1]
CG9441	CG9441 GH25630 57C5-57C6 dup:3/3 ID:78H12
	+ EG:100G10.3 translation_factor * by match; 1-match_description=TRANSLATION INITIATION FACTOR EIF-2B BETA SUBUNIT (EIF-2B GDP-GTP EXCHANGE FACTOR).; 1-match_species=RATTUS NORVEGICUS [IF-2B] CG2677 GH25592 3B5-3B5
CG2677	(Eli -2B 6B) -611 EXCHANGE FACTOR)., 1-maidi_species=RX1163 NORVEGIOGS [ii -2B] 662677 G1123392 3B3-3B3
00_0	+ Myo61F motor_protein * Myo61F * Myo31DF * 1e-143 YMZ9_YEAST HYPOTHETICAL MYOSIN-LIKE PROTEIN IN ILV2-ADE1
CG9155	INTERGENIC REGION * myosin IB - fruit fly (Drosophila melanoga[myosin_head // IQ // MYOSINHEAVY // ATP] CG9155 GH2560 62B4-62B4 dup:3/3 ID:78H8
CG14653	+ unknown * 1E-59* * CG14653 GH25780 82D5-82D5 ID:79B5
CG13503	+ unknown * 1E-112* * [PRO_RICH] CG13503 GH25793 58C2-58C2 dup:1/2 ID:79B7
CG 13503	+ transcription factor * 7e-05 host cell factor * inserted at base 5' end of P element Inverse PCR * similar to human host cell
CG5186	factor * YC81 CAEEL HYPOTHETICAL 143.1 KD PR CG5186 GH26048 55C13-55C13 dup:2/2 ID:79D11
	+ enzyme * 1e-09 BACR37P7.d * 8e-25 strong similarity to the insect-type alcohol/ribitol dehydrogenase family * 2e-27 cis-
CG8888	retinol androgen dehydrogenase * 2e-3 [adh_short] CG8888 GH26015 48E4-48E6 ID:79D8
000010	+ unknown * 3e-09 probable membrane protein YPR028w - yeast (Saccharomyces cerevisiae) * 4e-46 YSV4_CAEEL
CG9848	HYPOTHETICAL 26.6 KD PROTEIN T19C3.4 IN CHROMOSOME III [PRO_RICH] CG9848 GH26090 59B4-59B6 dup:4/4 ID:79E9 + Cyp4p1 cytochrome_P450 * predicted using Genefinder; similar to cytochrome P450(aa) * DMCYP4D2_12 Cyp4d2 * Cyp4p1 *
CG10842	cytochrome P450 (CYP4M2) - tobacco hornworm(aa) [EP450II // p450 // MITP450] CG10842 45C-45C dup:3/6 ID:79F11
0010042	+ transmembrane receptor * DMCD362 2 croquemort * 2e-55 D-CD36 protein - fruit fly (Drosophila melanogaster) * 1e-21
CG7227	predicted using Genefinder; similar to CD36 family; cDNA E [CD36] CG7227 GH26133 30C1-30C1 dup:3/3 ID:79F4
CG18316	+ * CG18316 44A4-44A4 dup:2/3 ID:79F6
	+ transcription_factor * determined by GENSCAN prediction and spliced EST; match to EST * 5e-09 YK09_YEAST
CG9007	HYPOTHETICAL 85.5 KD PROTEIN IN SAP190-SPO14 INTERGENIC REGIO[SET_DOMAIN // SET // PHD // NLS_BP] CG9007

	GH26152 70C9-70C10 dup:2/2 ID:79F7
	+ enzyme * PROBABLE ISOCITRATE DEHYDROGENASE (NAD), MITOCHONDRIAL SUBUNIT BETA PRECURSOR
	(ISOCITRIC DEHYDROGENASE) (NAD+-SPECIFIC ICDH)(aa) * NAD+-specific iso [isodh] CG6439 GH26270 93F14-93F14
CG6439	ID:79G10
CG6836	+ unknown * CG6836 GH26215 75E6-75E6 ID:79G4
CG17012	+ Caenorhabditis elegans 'similar to peptidase family S1 (trypsin family)' EMBL:U58751 CG17012 ID:79G7
CG7300	+ unknown * CG7300 GH26358 32A-32A ID:79H9
CG4694	+ her CG4694 her dup:2/2 ID:8-31 cntrlBA4
	+ bib transporter * pore-forming protein MIP family(aa) * NEUROGENIC PROTEIN BIG BRAIN(aa) * 1e-07 YFF4_YEAST
	HYPOTHETICAL 70.5 KD PROTEIN IN AGP3-DAK3 INTERGENIC REG[MINTRINSICP // MIP // PRO_RICH] CG4722 big brain
CG4722	30F4-30F5 dup:2/3 ID:8-31 cntrlBB5
	+ pnt transcription_factor * DMPOINT2A_2 pnt * PNT2_DROME ETS-LIKE PROTEIN POINTED P2 (D-ETS-2) gene po * 3e-12
0047077	contains similarity to DNA-binding domain of[HSF_ETS // ETSDOMAIN // Ets // ETS_DOMA] CG17077 pnt-p1 94E12-94F1 dup:4/i
CG17077 CG6496	ID:8-31 cntrlBC10
CG17348	+ pdf CG6496 pdf dup:2/2 ID:8-31 cntrlBC11
CG4354	+ drl CG17348 drl dup:2/2 ID:8-31 cntrlBC8
	+ slbo CG4354 slbo dup:2/2 ID:8-31 cntrlBD9
CG4889	+ Wg signal_transduction CG4889 Wg dup:2/2 ID:8-31 cntrlBE8
CG9885	+ dpp signal_transduction CG9885 dpp dup:2/2 ID:8-31 cntrlBE9 + tup transcription_factor * isl * LIM homeobox protein(aa) * LIM homeobox protein * 4e-30 CeLIM-7 contains similarity to L
CG10619	+ tup transcription_factor * isl * LIM homeobox protein(aa) * LIM homeobox protein * 4e-30 CeLIM-7 contains similarity to L [LIM_DOMAIN_1 // HOMEOBOX_1 // homeobox] CG10619 islet 37B5-37B5 dup:3/3 ID:8-31 cntrlBF7
CG10325	+ abdA transcription factor CG10325 abdA dup:4/4 ID:8-31 cntrlBH1
0010020	+ apt RNA_binding * apt * apontic * 1e-07 inserted at base 5' end of P element Inverse PCR * tracheae defective protein
CG5393	[MYB_3] CG5393 apt 59F1-59F1 dup:2/2 ID:8-31 cntrlBH8
	+ dMEF2 * DMMEF2_2 Mef2 * myocyte enhancer-binding factor 2(aa) * 5e-07 RLM1_YEAST TRANSCRIPTION FACTOR RLM
CG1429	RLM1 protein - yea * myocyte-specific enhancer f CG1429 dup:1/8 ID:8-99Cntrl IE7
CG6845	+ * 2e-12 cDNA EST yk452h4.3 comes from this gene; cDNA EST yk452h4.5 comes * * CG6845 61A-61A dup:1/2 ID:80A{
CG18253	+ unknown * CG18253 GH26442 82D5-82D5 ID:80A9
	+ unknown * DMANO66DB_2 anon-66Db * ANON-66Db protein * 5e-08 similar to PDZ domain (Also known as DHR or GLGF
CG5989	* 5e-10 hypothetical protein CG5989 GH26459 68C1-68C1 ID:80B2
CG8154	+ unknown * [NLS_BP] CG8154 GH26521 67C2-67C2 ID:80B9
	+ endopeptidase * similar to neprilysin and other zinc proteases(aa) * 7e-05 YKL7_YEAST 24.1 KD PROTEIN IN VMA12-
CG8358	APN1 INTERGENIC REGION * 3e-29 similar to Zinc-bindi [NEPRILYSIN // PRENYLATION // ZINC_PROTE] CG8358 GH26575 85E4-85E4 ID:80C1
03000	+ unknown * polytropic murine leukamia virus receptor SYG1(aa) * 3e-32 SYG1_YEAST SYG1 PROTEIN SYG1 protein -
CG10483	yeast (Saccharomy * 1e-150 predicted using Genefin [CRYSTALLIN_BETAGAMMA] CG10483 GH26628 64F5-64F5 ID:80C8
22.0.00	, sass (sassing said and said said and said said and said said said said said said said sai

CG5261	+ enzyme * dihydrolipoamide S-acetyltransferase (EC 2.3.1.12) precursor - Arabidopsis thaliana (fragment)(aa) * Dihydrolipoamide acetyltransferase component (E [LIPOYL // 2-oxoacid_dh // biotin_lipoyl] CG5261 27F7-27F7 ID:80D4
CG5201	+ unknown * HYPOTHETICAL 90.9 KD PROTEIN C08B11.4 IN CHROMOSOME II(aa) * weak similarity to nodulation protein
CG11353	(probable sugar acetylase) (Swiss Prot accessio CG11353 GH26735 64B13-64B14 dup:3/3 ID:80E2
	+ motor_protein * APXL(aa) * 2e-23 APXL * 2e-23 apical protein, Xenopus laevis-like * [PRO_RICH] CG8603 GH26744 50F0
CG8603	50F6 dup:4/4 ID:80E4
	+ Cyp9f2 cytochrome_P450 * CYP9 cytochrome P450(aa) * 3e-18 CYP6A2 * 2e-10 similar to cytochrome P450 * 5e-16
CG11466	cytochrome P450 3A11 - mouse cytochrome P-45 [EP450II // p450] CG11466 GH26796 87B14-87B14 ID:80F2
	+ enzyme * CGI-82 protein(aa) * 1e-16 YM71_YEAST HYPOTHETICAL OXIDOREDUCTASE IN MRPL44-MTF1
007075	INTERGENIC REGION * 0.000000000002* 6e-42 predicted using Genefinde [GDHRDH // adh_short] CG7675 GH26851 91A2-
CG7675	91A2 dup:2/4 ID:80F8 + transporter * protein(aa) * BLASTX 3.6E-09 Plasmodium falciparum protein gene, complete cds.(dna) * rab3 effector(aa) *
CG7321	4e-11 SY65_DROME SYNAPTOTAGMIN (P65) syna [C2 // C2_DOMAIN_2 // PDZ] CG7321 GH26867 90C7-90C7 ID:80F9
CG7926	+ Axn signal_transduction * D-Axin(aa) * 6e-15 Axin * 2e-14 axin * 1e-14 Axin [GRK] CG7926 99D5-99D5 dup:1/2 ID:80G2
CG10965	+ unknown * CG10965 GH26991 7D21-7D21 ID:80H1
0010000	+ scra actin binding * DMANILLIN 2 Ani * anillin - fruit fly (Drosophila melanogaster) * 5e-26 predicted using Genefinder; similar
CG2092	to PH (pleckstrin homology) do * DMANILL [PH // PRO_RICH // PH_DOMAIN] CG2092 GH27072 43E3-43E3 ID:80H10
	+ unknown * hypothetical protein(aa) * hypothetical protein YPL086c - yeast (Saccharomyces cerevisiae) (* Similarity to Yeas
CG15433	LPG22P protein cDNA EST EMBL:T0 * CG15433 GH27091 26A1-26A1 ID:80H11
CG8012	+ unknown * CG8012 GH26995 67E7-67E7 ID:80H3
CG18138	+ unknown * CG18138 GH27024 65E5-65E5 ID:80H4
	+ BcDNA:GM04682 endopeptidase * MICROSOMAL SIGNAL PEPTIDASE KD SUBUNIT (SPC18)(aa) * signal peptidase complex
	kDa subunit(aa) * SPC 21-kDa-like(aa) * 2e-36 SC11_YEAST SIGNAL SEQUE [Peptidase_S26 // SIGNALPTASE // SPASE_I]
CG2358	CG2358 GH27340 84C4-84C4 ID:81C9
000700	+ Cyp305a1cytochrome_P450 * CYTOCHROME P450 76C4(aa) * cytochrome P450 epoxygenase(aa) * cinnamate 4-
CG8733	hydroxylase(aa) * Cytochrome P-450 2A14(aa) [EP450II // p450 // P450 // MITP450 // B] CG8733 GH27419 76D3-76D3 ID:81D5 + cell_adhesion * DMARTAN_7 trn * 4e-35 KEK1 * 3e-06 contains similarity to leucine-rich repeats (LRR) * 8e-12 neurogenic
CG9431	extracellular slit protein [ig // LRR // LRRCT] CG9431 GH27420 34A10-34A10 ID:81D6
CG4841	+ unknown * [NLS BP] CG4841 GH27425 36A11-36A11 ID:81D7
CG6503	+ CG6503 dup:2/2 ID:81E12
000000	+ enzyme * 1e-43 CCR4_YEAST GLUCOSE-REPRESSIBLE ALCOHOL DEHYDROGENASE TRANSCRIPTIONAL
CG5534	EFFECTOR (C * 2e-07 ANGEL * 3e-86 predicted using Genefinder; Similarity CG5534 GH27503 95E6-95E6 dup:2/2 ID:81E4
CG11595	+ unknown * CG11595 GH27568 12D5-12D5 dup:2/2 ID:81E9
CG15131	+ unknown * CG15131 GH27691 36A10-36A10 ID:81F9
	+ protein_phosphatase * similar to glycogen-binding subunit protein phosphatase-1(aa) * smooth muscle protein phosphatase
CG9619	type 1-binding subunit(aa) * protein phosphatase CG9619 GH27769 76A4-76A5 ID:81G10

CG15360	+ unknown * CG15360 GH27779 22B3-22B3 ID:81H1
	+ * caltractin (20kD calcium-binding protein)(aa) * Calmodulin; Cmd1p(aa) * 7e-09 CALM_YEAST CALMODULIN calmodulin
CG17272	yeast (Saccharomyces cere * 1e-09 C [EF_HAND]2] CG17272 92F13-92F13 dup:2/2 ID:81H6
	+ glaikit unknown * Contains similarity to Pfam domain: (PLDc), Score=13.8, E-value=0.2, N=1(aa) * * CG8826 GH27933 23D4-
CG8826	23D4 ID:82A7
CG10630	+ RNA_binding * CG10630 GH28067 64E-64E ID:82B10
	+ unknown * 2e-19 YIC3_YEAST HYPOTHETICAL 37.4 KD PROTEIN IN IRR1-TIM44 INTERGENIC REGION * 4e-37 cDNA
CG7816	EST comes from this gene; cDNA EST co * 3e-39 KE4 * 1e-38 CG7816 GH28072 99C7-99C7 dup:2/2 ID:82B11
	+ transcription_factor * hepatocyte nuclear factor alpha(aa) * Contains similarity to Pfam domain: (homeobox), Score=20.5,
	N=1(aa) * onecut 2(aa) * coded for by C. elegans [homeobox // HOMEOBOX_2 // NLS_BP] CG1922 GH28062 102C6-102C6
CG1922	ID:82B9
	+ ligand_binding_or_carrier * 16k antigen precursor - nematode (Onchocerca volvulus)(aa) * phosphatidylethanolamine bindin
CG6180	protein Ovd1 - nematode (Onchocerca volvulus) (fragmen [PBP] CG6180 33F2-33F2 dup:1/2 ID:82C12
	+ transporter * chromaffin granule ATPase II homolog(aa) * ATC3_YEAST PROBABLE CALCIUM-TRANSPORTING
004=004	ATPASE (ENDOPLASMIC RETICULUM CA2+-AT * 9e-12 OBA5_DROME PUTAT [ATPASE_E1_E2 // CATATPASE // NLS_BP //
CG17034	CG17034 GH28327 50A9-50A9 ID:82C4
	+ endopeptidase * DMSTUBBLE_1 Sb * 7e-07 T2D4_YEAST TRANSCRIPTION INITIATION FACTOR TFIID KD SUBUNIT
CC4770	(TAFII-90) * 2e-26 EAST_DROME SERINE PROTEASE EASTER PRECURSOR se [trypsin // CHYMOTRYPSIN // TRYPSIN_SEF
CG1773] CG1773 GH28342 46A3-46A3 ID:82C7 + unknown * CGI-05 protein(aa) * 7e-23 YQT5 CAEEL HYPOTHETICAL 61.3 KD PROTEIN F25B5.5 IN CHROMOSOME III
CG6550	(U * 1e-65 432aa long hypothetical protein * conserved [UPF0004] CG6550 GH28477 54C1-54C1 ID:82D10
CG0550	+ AcCoAS enzyme * DMACOASYN 2 AcCoAS * 1e-154 ACS2 YEAST ACETYL-COENZYME A SYNTHETASE (ACETATECO)
	LIGASE 2) (ACYL-ACTIVAT * acetyl-CoA synthetase - fruit fly (Droso [AMP_BINDING // AMPBINDING // AMP-bindin] CG9390
CG9390	78C7-78C7 ID:82D4
CG6908	+ unknown * 6e-20 /match=(desc:; /ma * * CG6908 GH28576 86F1-86F1 dup:2/2 ID:82E7
000000	+ igl ligand_binding_or_carrier * ligand binding or carrier calmodulin binding) map_position:51E * 6e-51 growth-associated
CG18285	protein GAP-43 homolog=igloo-L melanogas * 6e-53 igl * gro [IQ] CG18285 GH28577 51A4-51E7 dup:2/2 ID:82E8
00.0200	+ Rh5 G_protein_linked_receptor * Rh5 * DMNKDTACH_2 Takr86C * OPSIN RH4 (INNER R7 PHOTORECEPTOR CELLS
	OPSIN)(aa) * short wavelength-sensitive opsin; ultraviolet-sensi[GPCRRHODOPSN // OPSIN // G PROTEIN RECE] CG5279
CG5279	GH28578 33B10-33B10 dup:2/2 ID:82E9
	+ unknown * protein(aa) * 5e-16 SSM4_YEAST SSM4 PROTEIN SSM4 protein - yeast (Saccharomy * 2e-08 predicted using
CG1317	Genefinder * 2e-37 putative protein [PRO_RICH] CG1317 GH28722 62E-62E ID:82F10
	+ Chd64 actin_binding * DMMP20_6 Mp20 * predicted using Genefinder; Similarity to Human SM22 smooth muscle protein
	(SW:SM2H_HUMAN); cDNA EST comes from this gene; cDNA EST [SM22CALPONIN // CH] CG14996 GH28730 64A9-64A9
CG14996	dup:2/2 ID:82F12
CG17884	+ Snap25 synaptosome-associated_protein Synapse protein 25 CG17884 GH28821 ID:82G10
CG4088	+ lat DNA_replication_factor * recognition complex subunit mela * 8e-92 recognition complex subunit * 9e-95 recognition comple

associated protein p81	* 2e-92 inserted at base Bot [NLS	BP // ATP GTP	A1 CG4088 GH28787	49F10-49F10 dup:1/2 ID:82G4

CG17676 unknown CT390	055+ CG17676 unknown CT39055 ID:82H3
	+ unknown * 5e-05 XIAP associated factor-1 (ZAP-1) * 6e-09 SINA_DROME DEVELOPMENTAL PROTEIN SEVEN IN
CG16745	ABSENTIA devel * 1e-07 seven-in-absentia protein homologue- [ZF_TRAF] CG16745 GH28844 63B5-63B5 ID:82H4
000044	+ bic transcription_factor * BTF3 HOMOLOG EGD1 (GAL4 DNA-BINDING ENHANCER PROTEIN)(aa) * basic transcription
CG3644	factor 3, like 3(aa) * transcription factor BTF3 homolog(aa) * 9e-3 CG3644 GM13744 49D-49D dup:1/2 ID:83B1 + protein phosphatase * 4e-11 PVH1 YEAST PROTEIN-TYROSINE PHOSPHATASE YVH1 (PTPASE YVH1) * 5e-22
CG14080	puckered protein * 3e-32 Similar to protein-tyrosine phosphatase * 1e-26 DU [DSPc] CG14080 GM13896 75F5-75F5 ID:83B6
0014000	+ Gr enzyme * 4e-59 glutathine reductase * GSHR DROME GLUTATHIONE REDUCTASE (GR) (GRASE) glutathione * 1e-12
	TRXB_CAEEL PROBABLE THIOREDOXIN REDUCTASE Similar t [HGRDTASE // FADPNR // pyr_redox // PYRI] CG2151
CG2151	GM14215 7D18-7D18 ID:83C1
CG6544	+ fau unknown * CG6544 HL07933 86C4-86C4 dup:1/2 ID:83C11
	+ unknown * CUTICLE PROTEIN (BC-NCP1)(aa) * BLASTX 1.2E-10 Theileria parva schizont/sporozoite surface protein gene
CG8736	partial cds.(dna) * CG8736 HL08183 44D-44D ID:83D10
CG7671	+ chaperone * 6e-06 C09G9.2 * * [WD40_REGION // WD40] CG7671 LD21432 91A-91A ID:83D12
CG8846	+ Phas1 translation_factor * 2e-16 PHAS-II * 4e-16 eukaryotic translation initiation factor 4E binding protein * 1e-14 insulinstimulated phosphoprotein PHAS-I - rat PHAS-I * in CG8846 HL08053 25A3-25A3 ID:83D4
CG9578	+ CG9578 ID:83D8
003370	+ motor_protein * HYPOTHETICAL PROTEIN * PSD-95 binding protein(aa) * 2e-08 PSD-95/SAP90-associated protein-1 * 2e
CG17064	70 inserted at base Both 5' and 3' ends of P elemen [NLS_BP] CG17064 LD21642 50B1-50B2 dup:3/3 ID:83E2
	+ RNA_binding * atp-dependent, dead box, rna helicase(aa) * PUTATIVE ATP-DEPENDENT RNA HELICASE C13F4.11C(aa
	* RNA helicase; Prp28p(aa) * Gene with similaity to [helicase_C // HELICASE // DEAD // ATP_G] CG3561 LD21669 21D2-21D2
CG3561	dup:2/2 ID:83E4
CG3429	+ swa RNA_binding * SWA_DROME SWALLOW PROTEIN gene swallow protein - fruit fl * DMSWAL_3 swa * * [NLS_BP] CG3429 LD21771 5E6-5E7 dup:2/2 ID:83E6
CG3429	+ Cyp4e2 cytochrome_P450 * cytochrome P450 - fruit fly (Drosophila melanogaster) (fragment)(aa) * Cyp4e2 * Cyp4e3 * 2e-12
	ERG5 YEAST CYTOCHROME P450 (C-22 STEROL DESATURASE) [EP450II // p450 // P450 // MITP450 // B] CG2060 LD22157
CG2060	44C1-44C1 ID:83F6
	+ CycE cell_cycle_regulator * DMRNACE_2 CycE * 4e-20 CGS5_YEAST S-PHASE ENTRY CYCLIN cyclin B5 - yeast (Sacc *
00000	CG1E_DROME G1/S-SPECIFIC CYCLIN E cyclin E type I - frui * 5e-37 c [cyclin // CYCLINS // ATP_GTP_A] CG3938 LD22682
CG3938	35D5-35D6 dup:2/2 ID:83G5 + par-6 ion_channel * PAR-6(aa) * PAR-6(aa) * PAR-6(aa) * dJ850H21.2 (novel protein containing a PDZ (DHR, GLGF)
CG5884	domain)(aa) [PDZ // ATP_GTP_A] CG5884 LD22757 16C5-16C5 ID:83G6
2333.	+ cell_adhesion * DMFAT_2 ft * 7e-55 adherin * 3e-43 Similarity to Drosophila Cadherin-related tumor suppressor precurs * 1e
CG7805	58 seven-pass transmembrane receptor prec [CADHERIN // cadherin // CADHERIN_2] CG7805 LD23052 99C6-99C6 ID:83H9
	+ motor_protein * DNA segment, single copy, probe pH4 (transforming sequence, thyroid-1,(aa) * 1e-07 microtubule binding
CG6664	protein D-CLIP-190 * 1e-20 YRU4_CAEEL HYPOTHE CG6664 LD23434 73E2-73E3 dup:2/2 ID:84B11

CG9791	+ RNA_binding * 4e-55 SUV3_YEAST MITOCHONDRIAL ATP-DEPENDENT RNA HELICASE SUV3 PRECURSOR * 1e-151 Similarity to Yeast ATP-dependent RNA helicase (SW:SUV3_YEAST); cD [helicase_C] CG9791 LD23445 82A5-82A5 ID:84B12 + La RNA_binding * LA PROTEIN HOMOLOG (LA RIBONUCLEOPROTEIN) (LA AUTOANTIGEN HOMOLOG)(aa) * La * LUPUS LA PROTEIN (SJOGREN SYNDROME TYPE B ANTIGEN (SS-B)) (LA RIBONUCL [RNP_1 // RBD // rrm // NLS_BP //
CG10922	LUPUSL] CG10922 LD24519 38C7-38C7 ID:84C12 + unknown * dJ633O20.1 (similar to Bos taurus P14)(aa) * M01E11.2(aa) * 1e-84 dJ633O20.1 (similar to Bos taurus P14) *
CG11964	7e-20 P14 CG11964 LD23493 85C2-85C2 ID:84C3
CG11403	+ DNA_repair_protein CG11403 LD24267 dup:2/2 ID:84C8
	+ enzyme * 1e-171 CTP synthase (EC 6.3.4.2) URA8 - yeast (Saccharomyces cerevisiae) * 1e-147 similar to CTP SYNTHASI
CG6854	(EC 6.3.4.2) (UTPAMMONIA LIGASE) (CTP * [GATASE // GATASE_TYPE_I] CG6854 LD25005 71B2-71B2 dup:2/6 ID:84D5
	+ transcription_factor * TATA box binding protein (TBP)-associated factor, RNA polymerase II, E, 70/85kD(aa) * TAFII60(aa) *
CG10390	8e-48 transcription factor TFIID * 2e-15 contain CG10390 LD25013 83B2-83B2 ID:84D6
CG8470	+ unknown * p52 pro-apototic protein(aa) * * CG8470 13F1-13F1 dup:3/3 ID:84E6
	+ Jra transcription_factor * DMJUN_2 Jra * 1e-139 AP1_DROME TRANSCRIPTION FACTOR JUN (DJUN) (DJRA) (JUN-
CG2275	RELATED ANTIGEN) (AP-1) >g * 1e-07 similar to BZIP protein; cDNA[LEUZIPPRJUN // B_ZIP // bZIP // BZIP_BA] CG2275 LD25202 46E2-46E2 dup:2/2 ID:84E7
CG2213	+ mnd transporter * minidiscs(aa) * 1e-23 MUP1_YEAST HIGH AFFINITY METHIONINE PERMEASE methionine * 1e-105 stror
	similarity to Schistosoma amino acid permease * 1e-120 [aa permeases // AMINO ACID PERMEASE 2] CG3297 LD25378 71A2
CG3297	71A3 ID:84F8
CG13345	+ unknown CG13345 dup:2/3 ID:84H11
	+ RNA_binding * DMMLE_2 mle * protein(aa) * PUTATIVE PRE-MRNA SPLICING FACTOR RNA HELICASE C04H5.6(aa) *
	PR22_YEAST PRE-MRNA SPLICING FACTOR RNA HELICASE PRP22 PRP [DEAH_ATP_HELICASE // HELICASE // ATP_GT]
CG10689	CG10689 LD25692 37C1-37C1 ID:84H6
CG17159	+ * [NLS_BP] CG17159 cyto_unknown dup:2/3 ID:85A4
	+ enzyme * glucose dehydrogenase (acceptor) (EC 1.1.99.10) - fruit fly (Drosophila melanogaster) (fragment)(aa) *
00000	DMGLDY01_11 Gld * putative benzyl alcohol deh [GMC_OXRED_1 // GMC_oxred // GMC_OXRED_2] CG9509 LD25803 13A1-
CG9509	13A1 ID:85A6 + transcription_factor * zinc finger protein(aa) * ZINC FINGER PROTEIN 184(aa) * protein(aa) * [zf-C2H2 //
CG5135	ZINC FINGER C2H2 2] CG5135 LD25880 86D8-86D8 dup:3/3 ID:85A9
000100	+ enzyme * 7e-52 DEOC CAEEL PUTATIVE DEOXYRIBOSE-PHOSPHATE ALDOLASE
	(PHOSPHODEOXYRIBOALDOLASE) (* 9e-69 CGI-26 protein * 1e-26 2-deoxyribose 5-phosphate aldol CG8525 LD25963 49A4-
CG8525	49A5 ID:85B10
	+ Cyp49a1 cytochrome_P450 * 7e-16 lanosterol 14-demethylase cytochrome P450 * 2e-24 cytochrome P450 cytochrome P4 * 4e-
	23 YS45_CAEEL PUTATIVE CYTOCHROME P450 ZK177.5 IN CHROMOS [EP450II // p450 // P450 // MITP450 // C] CG12894
CG12894	LD25993 47A7-47A7 ID:85B11
CC6147	+ Tsc1 cell_cycle Tuberous Sclerosis Complex 1 tumor-suppressor gene. also gigas, rocky. regulates cell size and cell cycle
CG6147	ATPASE_ALPHA_BETA, NLS_BP CG6147 LD25933 dup:2/2 ID:85B5

CG10621	+ unknown CG10621 dup:1/4 ID:85C9 + EG:34F3.1 signal_transduction * /match=(desc:; /ma * 2e-27 similar to PH (pleckstrin homology) domain; cDNA EST c * 8e-06
0040407	Y053_HUMAN HYPOTHETICAL PROTEIN KIAA * 7e-09 KRAC_DICDI RA [PH // PHOSPHOPANTETHEINE // PH_DOMAIN]
CG12467	CG12467 LD26268 1C2-1C3 ID:85D7
CG17018	+ unknown CG17018 LD26456 dup:1/2 ID:85F2
CG10609	+ Or83b signal_transduction (Odorant receptor 83b) olfactory receptor CG10609 LD26485 ID:85F4
CG9925	+ unknown * [PRO_RICH] CG9925 LD26515 88A4-88A4 dup:2/3 ID:85F6
	+ BcDNA:LD26519 ligand_binding_or_carrier * 1e-126 inserted at base Both 5' and 3' ends of P element Inverse PCR * * [NLS_BI
CG11371	CG11371 LD26519 21A5-21A5 dup:3/4 ID:85F7
	+ enzyme * Similar to carbonic anhydrase; coded for by C. elegans cDNA yk72d10.3; coded for by C. elegans cDNA
CG6906	yk119b1.3; coded for by C. elegans cDNA cm18b8; [carb_anhydrase] CG6906 LD26647 68F7-68F7 dup:2/2 ID:85G2
	+ exu RNA_binding * Exuperantia (exu) protein - fruit fly (Drosophila melanogaster)(aa) * exu * 1e-158 exuperantia protein - fruit
CG8994	fly (Drosophila virilis) * exu [LECTIN_LEGUME_BETA] CG8994 LD26657 57B2-57B2 ID:85G4
	+ protein_kinase * 1e-07 probable membrane protein YDL146w - yeast (Saccharomyces cerevisiae) * 3e-09 hypothetical
CG2258	protein * [SH3] CG2258 LD26707 7D9-7D9 dup:1/3 ID:85G7
CG9188	+ unknown * [NLS_BP] CG9188 LD26930 27C7-27C7 ID:86A2
CG9828	+ chaperone DnaJ homolog 2 DNAJPROTEIN CG9828 LD27049 dup:2/2 ID:86B6
	+ 140up unknown * RP140-upstream(aa) * DMDMRP3_7 140up * hypothetical 30K protein (DmRP140 5' - fruit fly (Drosophila
CG9852	melanogaster)(aa) * CG9852 LD27182 88A10-88A10 ID:86C11
	+ Mcr enzyme_inhibitor * ovomacroglobulin, ovostatin(aa) * complement C3-Q2(aa) * COMPLEMENT C3-1 (CONTAINS: C3A
	ANAPHYLATOXIN)(aa) * 3e-83 similar to Alpha-2-macroglobulin [LDLRA_2 // RNP_1 // A2M // Idl_recept_a] CG7586 LD27113
CG7586	28E3-28E3 ID:86C4
	+ enzyme * Drosophila melanogaster P lethal line Drosophila melanogaster genomic Sequence recovered from 5' end of P
	element, genomic survey sequence(dna) * IS [tRNA-synt_1 // AA_TRNA_LIGASE_I // TRNA] CG11471 LD27166 79E2-79E2
CG11471	dup:1/2 ID:86C7
	+ fidipidine cytoskeletal_structural_protein homology to sarcolemmal-associated protein (SLAP-2) [Homo sapiens] and latent
CG7773	nuclear antigen [Kaposi's sarcoma-associated herpesvirus] NLS_BP CG7773 LD27169 dup:2/2 ID:86C8
	+ pescadillo [Homo sapiens] (widely expressed in embryogenesis of zebrafish, high in liver) BRCT, BRCT_DOMAIN, NLS_BF
CG4364	CG4364 LD27336 dup:2/2 ID:86D12
CG4790	+ unknown * CG4790 LD27288 5C8-5C9 ID:86D8
	+ UbcD4 enzyme * 3e-33 UBC1_YEAST UBIQUITIN-CONJUGATING ENZYME E2-24 KD (UBIQUITIN-PROTEIN LIGASE) (UBI
	1e-107 ubiquitin conjugating enzyme * 7e-54 contains simila [UBA // UBIQUITIN_CONJUGAT // UQ_con //] CG8284 LD27480
CG8284	67B12-67B12 dup:2/2 ID:86E11
	+ Aats-pheenzyme * 8e-84 mitochondrial phenylalanyl-tRNA synthetase alpha subunit precursor * 1e-125 phenylalanine-tRNA
	synthetase * phenylalanyl tRNA synthetase * Aat [AA_TRNA_LIGASE_II_1 // AA_TRNA_LIGASE_I] CG13348 LD27389 50C20-
CG13348	50C20 dup:2/2 ID:86E6

000=04	+ chaperone * 9e-13 XDJ1 protein - yeast (Saccharomyces cerevisiae) Xdj1p: H * 4e-09 DNJ1_DROME DNAJ PROTEIN
CG8531	HOMOLOG (DROJ1) droj1 * 1e-46 contains strong similar [DnaJ // DNAJ_2] CG8531 LD27406 50E9-50E9 dup:2/2 ID:86E7
CG5868	+ CG5868 dup:2/2 ID:86E9 + transporter * 8e-11 syntaxin * 3e-17 hypothetical protein * 2e-17 syntaxin * 1e-19 inserted at base 5' end of P element
CG11278	+ transporter * 8e-11 syntaxin * 3e-17 hypothetical protein * 2e-17 syntaxin * 1e-19 inserted at base 5' end of P element Inverse PCR [T SNARE // Syntaxin] CG11278 LD27581 69F2-69F2 ID:86F9
0011270	+ metabolism * MALATE OXIDOREDUCTASE, CHLOROPLAST (MALIC ENZYME) (ME) (NADP-DEPENDENT MALIC
	ENZYME) (NADP-ME)(aa) * malic enzyme 1, soluble(aa) * MALATE OXIDOREDUC [MALIC_ENZYMES // MALOXRDTASE //
CG10120	malic] CG10120 LD27718 87C9-87D dup:1/3 ID:86G10
	+ Ckllalpha protein_kinase * 1e-103 KC21_YEAST CASEIN KINASE II, ALPHA CHAIN (CK II) casein ki * KC2A_DROME CASEIN
00	KINASE II, ALPHA CHAIN (CK II) casein kina * 1e-151 KC2A_CAE[PROTEIN_KINASE_ST // PROTEIN_KINASE_DOM] CG1752(
CG17520	LD27706 cyto_unknown ID:86G9
CG12030	+ enzyme GALACTOWALDENASE) (UDP-GALACTOSE 4-EPIMERAS Epimerase CG12030 LD27852 dup:2/2 ID:86H11
CG10538	+ GAP signal_transduction * Cdc42 GTPase-activating protein(aa) * Rga1p (Dbm1p)(aa) * DMC23E12 * ABR protein - human(a: [RHO_GAP // RhoGAP // SH3] CG10538 LD27836 38A-38A dup:2/3 ID:86H9
0010330	+ zimp nucleic_acid_binding * map_position:45A4-8 * Zimp-A(aa) * 2e-19 NFI1_YEAST NFI1 PROTEIN NFI1 protein - yeast
CG8068	(Saccharom * 6e-43 cDNA EST comes from this gene; cDNA EST co CG8068 LD27861 45A13-45B1 dup:1/5 ID:87A1
	+ noc transcription_factor * zinc finger protein nocA - fruit fly (Drosophila melanogaster) (L1 * DMNOVA_3 noc * * [zf-C2H2 //
CG4491	ZINC_FINGER_C2H2_2] CG4491 LD28078 35A4-35A4 ID:87B10
CG9924	+ actin_binding CG9924 LD28030 dup:2/2 ID:87B2
CG5809	+ CaBP1 chaperone protein disulfide isomerase ER_TARGET, THIOREDOXIN CG5809 LD28038 dup:2/2 ID:87B5
CG2218	+ unknown * 1e-21 protein * * [ZINC_FINGER_C3HC4] CG2218 LD28173 99F6-99F6 ID:87C11
004500	+ BG:DS05899.1 enzyme * protein(aa) * fadD15(aa) * putative long chain fatty acid coA ligase(aa) * protein(aa) [AMP-binding]
CG4500	CG4500 LD28132 34E4-34E4 ID:87C8
CG15427	+ cell_adhesion CG15427 LD28224 dup:1/2 ID:87D1 + sn actin_binding * singed protein - fruit fly (Drosophila melanogaster)(aa) * DMSING2_2 sn * SING_DROME SINGED
CG1536	PROTEIN singed * 2e-96 FASC MOUSE FASCIN fascin - mouse CG1536 LD28250 7D2-7D2 ID:87D3
23 1000	+ Cht2 enzyme * chitinase(aa) * 4e-66 chitinase * 3e-53 CHIT_CAEEL PUTATIVE ENDOCHITINASE coded for by C. elegans *
CG2054	8e-60 BRP39 protein - mouse BRP39 protein m [CHITINASE_18 // Glyco_hydro_18] CG2054 LD28264 62B1-62B1 ID:87D4
CG7275	+ signal_transduction transducin (beta) like 1 protein GPROTEINBRPT, WD40 CG7275 LD28275 dup:2/3 ID:87D5
	+ Dhod enzyme * DMDHORO_3 Dhod * 2e-10 PYRD_YEAST DIHYDROOROTATE DEHYDROGENASE (DIHYDROOROTATE
	OXIDASE) (DHODEHASE) * dihydroorotate oxidase (EC 1.3.3.1), mitochond [FMN_ENZYMES // DHODEHASE_1 // DHOdehase]
CG9741	CG9741 LD28427 85A10-85A10 dup:2/2 ID:87E10
CG7168	+ unknown * CG7168 LD28404 90F1-90F1 dup:2/2 ID:87E8
CG16798	+ CG16798 dup:2/3 ID:87F12
CG3634	+ CG3634 LD28488 dup:1/2 ID:87F8
CG10346	+ chaperone * CG10346 37A4-37A4 dup:1/3 ID:87G7

CG12134	+ CG12134 ID:87H4
CG6407	+ signal_transduction CG6407 dup:3/3 ID:87H5
CG17870	
CG3876	+ unknown CG3876 ID:88A4 + unknown * rap55(aa) * 2e-07 SCD6_YEAST SCD6 PROTEIN SCD6 protein - yeast (Saccharom * 2e-19 predicted using
CG10686	Genefinder; cDNA EST yk343c12.5 comes from this * CG10686 69C3-69C3 dup:1/3 ID:88A5
CG 10000	+ chaperone * 1e-14 embryonal lethal (2)13-1 (el(2)13-1) - fruit fly (Drosophila melanogaster) * 4e-41 similar to small heat
CG14207	shock protein HSP20 family * 1e-12 CR [HSP20 // ACRYSTALLIN] CG14207 18D8-18D8 dup:3/4 ID:88B12
CG17927	+ Mhc motor_protein Myosin heavy chain CG17927 ID:88B3
0017027	+ unknown * contains similarity to a BR-C/TTK domain(aa) * 5e-10 kelch protein, long form - fruit fly (Drosophila melanogaste
CG1826	* 7e-12 Kelch motif containing [BTB // PROTEIN_SPLICING // NLS_BP] CG1826 9E2-9E2 dup:2/2 ID:88B4
CG9216	+ unknown * [NLS_BP] CG9216 14A6-14A8 ID:88B5
CG12081	+ unknown CG12081 ID:88C3
CG12132	+ unknown * 7e-30 C34G6.1 gene product * CG12132 8D8-8D8 dup:1/3 ID:88C6
	+ * EPIDIDYMAL SECRETORY PROTEIN E1 PRECURSOR (CE1)(aa) * 4e-22 epididymal secretory protein * 9e-23
CG7291	EP1_HUMAN EPIDIDYMAL SECRETORY PROTEIN E1 PRECURSOR CG7291 22B8-22B8 dup:2/3 ID:88D3
	+ unknown * 4e-08 cDNA EST CEMSE83F comes from this gene; cDNA EST comes * * CG10217 95B7-95B8 dup:2/4
CG10217	ID:88D6
	+ Ugt enzyme * Ugt * UDP-GLUCOSE:GLYCOPROTEIN GLUCOSYLTRANSFERASE PRECURSOR (DUGT)(aa) * 8e-19
	KRE5_YEAST KILLER TOXIN-RESISTANCE PROTEIN PRECURSOR * coded for by [NLS_BP] CG6850 79E3-79E3 dup:5/7
CG6850	ID:88D8
CG7407	+ CG7407 dup:1/2 ID:88D9
CG13849	+ unknown CG13849 dup:2/2 ID:88E12
	+ BcDNA:GH02636 transporter * 1e-134 putative open reading frame * 1e-133 P protein * 2e-30 arsA * P protein, truncated
CG2831	CG2831 26D1-26D1 dup:1/4 ID:88G1
CG17138	+ CG17138 dup:2/2 ID:88G10
	+ RpII140 enzyme * polymerase (RNA) II (DNA directed) polypeptide B (140kD)(aa) * DNA-DIRECTED RNA POLYMERASE
	SUBUNIT B'(aa) * second largest subunit of RNA polymerase [RNA_pol_B // RNA_POL_BETA] CG3180 88A10-88A11 dup:2/3
CG3180	ID:88G9
	+ Ef1alpha48D ELONGATION FACTOR 1-ALPHA (EF-1-ALPHA) (50 KD FEMALE-SPECIFIC PROTEIN ATP_GTP_A,
CG8280	EFACTOR_GTP, ELONGATNFCT, GTP] CG8280 dup:2/2 ID:89B10
CG17678	+ CG17678 dup:2/2 ID:89B3
007000	+ unknown * cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST yk228b12.5 comes from this
CG7022	gene; cDNA EST yk273g2.5 comes from this gene; cD CG7022 LD30146 61B1-61B1 dup:2/3 ID:89F1
CG7065	+ unknown * [NLS_BP] CG7065 LD35502 8C17-8C17 ID:95A12

unknown * Similarity to Yeast SOH-1 protein * CGI-125 protein(aa) * 2e-19 YB78_YEAST HYPOTHETICAL 35.9 KD

PROTEIN IN PCS60-ABD1 INTERGENIC REGION	CC40E7 D2EC44 02D2 02D2 D-0ED44
PROTEIN IN POSICIABILI INTERCIENIO REGION	- U. 1U. 1 U. 1 U. 1 U. 1 U. 1 U. 1 U. 1

	PROTEIN IN PCS60-ABD1 INTERGENIC REGION CG1057 LD35644 82D2-82D2 ID:95B11
	+ actin_binding * erythrocyte membrane protein band 4.1 (elliptocytosis 1, RH-linked)(aa) * DMP41A_4 cora * 2e-55 product c
CG9764	alternative splicing; homologue to membra [BAND_41_1 // Band_41 // BAND41 // BAND_] CG9764 LD35542 89A1-89A1 ID:95B4
CG5456	+ unknown * CG5456 LD35728 94A3-94A3 ID:95C10
	+ CDC45L DNA_replication_factor * CDC45L * 2e-31 Cdc45p: assembles into a complex with Cdc46p/Mcm5p * CDC45L * 1e-30
CG3658	predicted using Genefinder; cDNA EST yk307h3.3 comes from this ge CG3658 LD35753 1E1-1E1 ID:95D1
	+ EG:114E2.2 * MAX BINDING PROTEIN MNT (ROX PROTEIN) (MYC ANTAGONIST MNT)(aa) * MAX BINDING PROTEIN MNT
000050	(ROX PROTEIN) (MYC ANTAGONIST MNT)(aa) * by content; by mat [THIOLASE_3 // HLH // HELIX_LOOP_HELIX_2] CG2856
CG2856	3F2-3F2 dup:2/2 ID:95D2
CG15435	+ nucleic_acid_binding * [ZINC_FINGER_C2H2 // ZINC_FINGER_C2H2_2] CG15435 LD35850 24F5-24F5 ID:95D9
CG8174	+ protein_kinase * DMRNASTK_2 mnb * protein kinase Dyrk1B(aa) * MNB(aa) * SRPK1(aa) [PROTEIN_KINASE_ST // PROTEIN_KINASE_DOM] CG8174 LD35909 51F11-51F11 dup:3/3 ID:95E3
000174	+ unknown * dimethylase(aa) * 2e-97 DIM1_YEAST DIMETHYLADENOSINE TRANSFERASE (S-ADENOSYLMETHIONINE-
	6-N', N'-ADENOSY * 4e-99 YQN1 CAEEL HYPOTHETICAL 34.1 KD PROT [RrnaAD // RRNA A DIMETH // SAM BIND] CG1183
CG11837	LD35950 98F9-98F9 dup:2/2 ID:95E6
	+ Hsp67Bb chaperone * DMHGSG2_7 Hsp67Bb * 1e-14 hypothetical protein YOR285w - yeast (Saccharomyces cerevisiae) * 5e-6
	HS6B_DROME HEAT SHOCK PROTEIN 67B2 heat shock prot [Rhodanese // RHODANESE] CG4456 LD36162 67B1-67B1
CG4456	ID:95G6
CG11658	+ unknown * DY3.6(aa) * * CG11658 LD36342 71C2-71C2 dup:2/2 ID:95H11
0045044	+ unknown * HYPOTHETICAL 47.6 KD PROTEIN C16C10.5 IN CHROMOSOME III(aa) * similar to Zinc finger, C3HC4 type
CG15814	(RING finger); cDNA EST EMBL:D7 * [zf-C3HC4 // ZF_RING] CG15814 16D6-16D6 dup:3/3 ID:95H12 + unknown * hormone-sensitive lipase testicular isoform(aa) * 1e-07 similar to the 'GDXG' family of lipolytic enzymes * 4e-83
CG11055	hormone-sensitive lipase * 2e-85 I [ESTERASE] CG11055 LD36294 56F15-56F15 ID:95H7
0011000	+ DNA_binding * 3e-05 HP1_DROME HETEROCHROMATIN PROTEIN (HP1) (NONHISTONE CHROMOSOMAL PROTEIN
	C1A9 * 6e-06 similar to 'chromo' (CHRromatin Organization MOdifier) do [chromo // CHROMO 2 // NLS BP] CG8289 LD36501
CG8289	16B10-16B10 ID:96A10
	+ transcription_factor * zinc finger protein - mouse (fragment)(aa) * 6e-05 probable transcription factor YPL230w - yeast
	(Saccharomyces cerevisiae) * 2e-05 stripe[zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG11798 LD36410 51E3-51E4 dup:1/4
CG11798	ID:96A3
	+ chaperone * FKBP54(aa) * 2e-11 FKBP_YEAST FK506-BINDING PROTEIN (FKBP) (PEPTIDYL-PROLYL CIS-TRANS
CG5482	ISOMERASE) (P * 3e-08 FKB2_DROME KD FK506-BINDING PROTEIN (FK [TPR_REGION // FKBP_PPIASE_2 // FKBP_PPI] CG5482 LD36412 55E5-55E5 ID:96A4
CG1918	+ * [PHOSPHOPANTETHEINE // ANTIFREEZEI] CG1918 43F4-43F4 ID:96A9
CG1810	+ transcription factor * ZINC FINGER PROTEIN GLI4 (NEURAL SPECIFIC DNA BINDING PROTEIN XGLI4) (XGLI-4)(aa) *
	4e-07 YJF6_YEAST HYPOTHETICAL 98.9 KD ZINC FINGER PROTE[zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG9403
CG9403	LD36562 42B2-42B2 dup:1/2 ID:96B3

	+ EG:86E4.4 signal_transduction * /match=(desc:; /match=(desc:; /match=(de * 2e-25 lin-9 protein - Caenorhabditis elegans * 8e-2
CG3480	protein * 4e-07 inserted at base Both 5' and 3' ends CG3480 LD36606 2B16-2B16 ID:96B7 + enzyme * GLY7(aa) * 1e-165 GLY7 * 1e-104 polypeptide GalNAc transferase-T1 * 1e-103 PAGT_HUMAN POLYPEPTIDE
	N-ACETYLGALACTOSAMINYLTRANSFERASE (PROTEIN-UDP ACE [RICIN_B_LECTIN // GLYC_TRANS // Glycos_] CG6394
CG6394	LD36616 17B4-17B4 dup:1/2 ID:96B8
004040	+ RNA_binding * Poly(A) binding protein, cytoplasmic and nuclear; Pab1p(aa) * POLYADENYLATE-BINDING PROTEIN
CG4612	(POLY(A) BINDING PROTEIN) (PABP)(aa) * polyadenylate bin [RNP_1 // RBD // rrm] CG4612 LD36772 60D4-60D4 ID:96C3 + unknown * 2e-08 YHC6 CAEEL HYPOTHETICAL 81.4 KD PROTEIN ZC434.6 IN CHROMOSOME I PRECURSOR * 3e-53
CG7012	Y253_HUMAN HYPOTHETICAL PROTEIN KIA * * CG7012 LD36812 96B2-96B3 ID:96C4
	+ * similar to Arabidopsis thaliana male sterility protein * 4e-47 /match=(desc:; /ma * 6e-30 male sterility 2-like protein * 4e-45
CG2858	DMC103B4 CG2858 60E5-60E5 dup:1/2 ID:96C7
CG13929	 unknown * Yor240wp(aa) * hypothetical protein(aa) * * 1e-56 probable membrane protein YOR240w - yeast (Saccharomyces cerevisiae) [MET_TRANS // SAM_BIND] CG13929 LD36863 62A10-62A10 ID:96C9
CG 13929	+ motor_protein * Mklp1 * kinesin motor protein KIFC3(aa) * 2e-20 NUF1_YEAST NUF1 PROTEIN (SPINDLE POLY BODY
	SPACER PROTEIN SPC110) * 4e-30 microtubule binding prote [kinesin // KINESIN_MOTOR_DOMAIN1 // KIN] CG4831 LD36932
CG4831	32E4-32E4 ID:96D1
0044040	+ unknown TRAM PROTEIN (TRANSLOCATING CHAIN-ASSOCIATING MEMBRANE PROTEIN)(aa) NLS_BP CG11642
CG11642	LD36954 dup:2/2 ID:96D3 + I(2)k09913 unknown * 1e-22 inserted at base Both 5' and 3' ends of P element Inverse PCR * * CG3082 LD36990 59C3-59C3
CG3082	dup:2/2 ID:96D4
	+ Abi signal_transduction * Abl tyrosine kinase-interacting protein(aa) * 9e-07 YFJ4_YEAST HYPOTHETICAL 40.4 KD PROTEII
	IN PES4-HIS2 INTERGENIC REGION * 2e-05 DRK_DRO[AA_TRANSFER_CLASS_2 // P67PHOX // SH3DO] CG9749 LD37010
CG9749	88A10-88A10 dup:2/2 ID:96D8
CG7015	+ unknown * 1e-111 protein * 1e-114 UNR_RAT UNR PROTEIN probable unr protein - rat * unknown [COLD_SHOCK // CSE CG7015 LD37025 66C13-66C13 dup:2/4 ID:96D9
CG7013	+ unknown * predicted using Genefinder(aa) * * CG6144 LD37206 31E4-31E4 dup:2/2 ID:96E12
000111	+ Tm1 actin binding * TROPOMYOSIN 1, NON-MUSCLE ISOFORM (TROPOMYOSIN II) (CYTOSKELETAL
	TROPOMYOSIN)(aa) * DMTMII_2 Tm1 * 1e-10 NUF1_YEAST NUF1 PROTEIN (SPINDLE POLY B[Tropomyosin //
CG4898	TROPOMYOSIN // PRO_RICH] CG4898 LD37158 88E10-88E11 dup:4/4 ID:96E7
CG8825	+ unknown * 3e-18 Contains similarity to Pfam domain: (PLDc), Score=13.8, * * CG8825 LD37277 23D4-23D4 ID:96F12
	+ Cyp4c3 cytochrome_P450 * DMCYP4D2_12 Cyp4d2 * 1e-14 ERG5_YEAST CYTOCHROME P450 (C-22 STEROL DESATURASE) * 1e-109 cytochrome P450 cytochrome P4 * 1e-101 similar to Cytoc[EP450II // P450 // MITP450 // BP450 //]
CG1438	CG1438 LD37233 100B-100B2 dup:2/3 ID:96F5
	+ unknown * No definition line found(aa) * 3e-40 hypothetical protein YER007c-a - yeast (Saccharomyces cerevisiae) * 3e-58
CG5941	No definition line found * 3e-39 hypo CG5941 LD37358 5D1-5D1 ID:96G7
000000	+ enzyme * protein(aa) * 3e-37 PAN2_YEAST PAB-DEPENDENT POLY(A)-SPECIFIC RIBONUCLEASE SUBUNIT PAN2
CG8232	(PAB1P-DEPE * 4e-59 YPO4_CAEEL HYPOTHETICAL 127.2 KD PROTEIN [UCH_2_3 // Exonuclease] CG8232 LD37466 44F9-

	44F11 dup:1/4 ID:96H2
0040070	+ unknown * 6e-10 MLN * 1e-41 I(3)rL203 I(3)rL203 inserted at base 5' end of P element Inverse PCR * CG12878 LD37788
CG12878	98A8-98A8 dup:2/2 ID:97B3 + ribosomal protein * 4e-06 RM32 YEAST MITOCHONDRIAL 60S RIBOSOMAL PROTEIN L32 PRECURSOR (YML32) * 2e
	12 YLA1_CAEEL HYPOTHETICAL 19.1 KD PROTEIN C30C11.1 IN CHROMOSOME II [NLS_BP] CG12220 LD37925 100C-100C
CG12220	ID:97C1
CG2669	+ unknown * [NLS_BP] CG2669 LD38047 83A4-83A5 ID:97C12
	 + enzyme * 1e-171 SYMC_YEAST METHIONYL-TRNA SYNTHETASE, CYTOPLASMIC (METHIONINETRNA LIGASE) (MI * 1e-08 SYEP_DROME MULTIFUNCTIONAL AMINOACYL-TRNA SYNTHETASE [tRNA-synt_1 // TRNASYNTHMET // WHEP-
CG15100	TRS] CG15100 LD37969 55F3-55F4 ID:97C3
CG14442	+ unknown * 7e-05 unknown * * [MIP // NLS_BP] CG14442 LD38069 6C7-6C8 dup:2/3 ID:97D2
CG5109	 transcription_factor * DMPLYCMB_2 Pcl * BLASTX 2.1E-16 element DNA-binding protein(dna) * polycomblike nuclear protein [PHD // PRO RICH] CG5109 LD38218 55B5-55B7 dup:3/3 ID:97E2
CG3109	+ unknown * 1e-18 hypothetical protein YDR330w - yeast (Saccharomyces cerevisiae) (U * 3e-35 protein * 1e-24 ubiquitin
CG8892	regulatory domain protein * 1E-111 [UX_DOMAIN] CG8892 LD38226 25B-25B9 dup:2/2 ID:97E3
000004	+ unknown * hypothetical protein(aa) * Hrt2p(aa) * F31D4.2(aa) * hypothetical protein(aa) CG2921 LD38241 58C1-58C1
CG2921	dup:2/2 ID:97E5 + Ubp64E endopeptidase * DMUBP_2 Ubp64E * 9e-55 UBPF_YEAST UBIQUITIN CARBOXYL-TERMINAL HYDROLASE
	(UBIQUITIN THIOLESTERASE * UBPE DROME UBIQUITIN CARBOXYL-TERMINAL HYDROLASE [UCH 2 1 // UCH 2 2 //
CG5486	ÙCH_2_3 // UCH-1] CG5486 LD38333 64E13-66A5 ID:97F1
	+ su(f) DNA_binding * 2e-47 RN14_YEAST MRNA 3'-END PROCESSING PROTEIN RNA14 RNA14 p * SUF_DROME
CG17170	SUPPRESSOR OF FORKED PROTEIN gene su(f) protein * cleavage stimulation fa [NLS_BP] CG17170 LD38348 cyto_unknown ID:97F2
0017170	+ enzyme * BLASTX 1.3E-13 Bos taurus phosphatidylinositol 4-kinase mRNA, complete cds.(dna) * 1e-29 PIK1_YEAST
	PHOSPHATIDYLINOSITOL 4-KINASE PIK1 (PI4-KINASE) [PI3_4_KINASE_1 // PI3_PI4_kinase // PI3] CG7004 LD38593 61B3-
CG7004	61B3 dup:3/3 ID:97G12
CG3221	 + motor_protein * 3e-05 unknown protein IT1 * * CG3221 LD38682 57B15-57B15 ID:97H5 + transcription_factor * hypothetical protein(aa) * 1e-19 YFJ1_YEAST HYPOTHETICAL 55.1 KD PROTEIN IN FAB1-PES4
CG7986	INTERGENIC REGION * 3e-69 No definition line found * 3e-24 un [ATP_GTP_A] CG7986 LD38705 66B13-66B13 ID:97H7
	+ unknown * ubiquitin-protein ligase E3-alpha(aa) * similar to S. cerevisiae ubiquitin-protein ligase E3 component * ubiquitin-
CG9086	protein ligase e3 componen n-rec CG9086 LD38820 15B5-15C1 dup:1/3 ID:98A11 + Psi RNA_binding * Psi * PSI=P element somatic inhibitor Peptide, * 1E-176* 3e-37 similar to RNA binding protein [KH-domain
CG8912	// PFKB_KINASES_1 // KH_DOMAI] CG8912 LD38872 53D14-53D14 dup:1/2 ID:98B5
	+ unknown * HYPOTHETICAL 35.0 KD PROTEIN F48E8.1 IN CHROMOSOME III(aa) * Similar to plant PR-1 class of
000400	pathogen related proteins; Pry3p(aa) * sol i antigen(aa [SCP_AG5_PR1_SC7_2 // V5TPXLIKE // V5ALL] CG8483 LD39025 87E2-
CG8483 CG6678	87E3 ID:98C2
CG0076	+ chromatin_binding * hypothetical protein - human (fragment)(aa) * UVB-resistance protein UVR8(aa) * 8e-06 RCC_YEAST

	REGULATOR OF CHROMOSOME CONDENSATION (PRP20 [RCC1 // RCC1_2 // GRF_RCC // RCCNDNSATI] CG6678 LD3906
	93F10-93F10 dup:2/2 ID:98C4 + CycT cell_cycle_regulator * CycT * cyclin T; positive elongation transcription factor b cyclin subunit(aa) * 4e-23 YL34_CAEEL
CG6292	HYPOTHETICAL 53.6 KD PROTEIN F44B9.4 IN CHROMOSOM [NLS_BP] CG6292 LD39065 74D2-74D3 dup:1/5 ID:98C5 + transcription_factor_binding * Ydr324cp(aa) * 1e-25 hypothetical protein YDR324c - yeast (Saccharomyces cerevisiae) (U *
CG5018	3e-29 hypothetical protein * 7e-05 DMENHSPA_3 gro [WD40_REGION] CG5018 LD39110 72D11-72D12 ID:98C8
CG18533	+ CG18533 LD39166 ID:98D1 + unknown * 5e-40 prediabetic NOD sera-reactive autoantigen muscul * 5e-10 IVR-like protein * IVR-like protein *
CG14444	TPR_REGION // TPR_REPEAT] CG14444 LD39177 6C1-6C1 dup:3/3 ID:98D4
	+ sli cell_adhesion * DMSLIT_2 sli * slit protein(aa) * 2e-35 contains similarity to multiple EGF-like domains * neurogenic
CG8355	extracellular slit protein [LRR // LRRNT // EGF_1 // EGF // LEURICH] CG8355 LD39407 52D4-52D7 dup:2/2 ID:98E11 + unknown * nucleotide binding protein (E.coli MinD like)(aa) * putative nucleotide binding protein(aa) * 7e-82 NB35_YEAST
CG17904	NBP35 PROTEIN NBP35 protein - yeast CG17904 LD39271 36A7-36A7 dup:2/2 ID:98E2
	+ ial protein_kinase * Ipl1/aur serine/threonine kinase(aa) * 2e-68 IPL1_YEAST SERINE/THREONINE-PROTEIN KINASE IPL1
CG6620	probable * 1e-75 protein kinase (EC 2.7.1.37) aurora - [PROTEIN_KINASE_ST // TYRKINASE // PROTE] CG6620 32B4-32B4 dup:4/5 ID:98E9
000020	+ unknown * inserted at base Both 5' and 3' ends of P element Inverse PCR * 6e-68 inserted at base Both 5' and 3' ends of P
CG4699	element Inverse PCR * [AA_TRNA_LIGASE_I // NLS_BP] CG4699 LD39557 89A-89A dup:9/11 ID:98F10
CG5194	+ unknown * CG5194 LD39537 66F1-66F1 ID:98F8
CG9723	 unknown * weak similarity to C. elegans predicted protein C33G8.2(aa) * HYPOTHETICAL PROTEIN * 7e-15 weak similarity to C. elegans predicted protein C33G8.2 * CG9723 LD39612 14F5-14F6 ID:98G3
009723	+ unknown * 3e-21 hypothetical protein YOR289w - yeast (Saccharomyces cerevisiae) * 1e-43 R166.3 * 3e-45 unknown
CG5902	protein * Y810_METJA HYPOTHETICAL PROTEIN hypo CG5902 97F1-97F1 dup:1/6 ID:98G6
	+ transporter * minidiscs(aa) * 3e-26 MUP1_YEAST HIGH AFFINITY METHIONINE PERMEASE methionine * 1e-110
CG12317	Similarity to Human membrane protein E16 (SW:E16_HUMAN); cDNA [aa_permeases // AMINO_ACID_PERMEASE_2] CG12317 LD39658 33B12-33B13 ID:98G7
0012011	+ PRL-1 protein_phosphatase * PRL-1 * 4e-06 phosphoprotein phosphatase * 1e-100 putative prenylated protein tyrosine
004000	phosphatase PRL-1 melanogaste * 3e-44 Similar to protein-tyro [PRENYLATION // TYR_PHOSPHATASE_2] CG4993 LD39844
CG4993	35F6-35F6 ID:98H11
CG14646	 unknown * 2e-20 predicted using Genefinder; cDNA EST comes from this g * * CG14646 LD39811 82B2-82B3 ID:98H8 enzyme * protein(aa) * 3e-83 predicted using Genefinder; Similarity in 3' end to Human * 5e-16 TTL_BOVIN TUBULIN
CG10057	TYROSINE LIGASE (TTL) * similar to tubulin [ZF_MATRIN // NLS_BP] CG10057 LD39904 96B19-96B20 dup:2/2 ID:99A1
	+ su(s) RNA_binding * DMSUSG_16 su(s) * su(s) homolog; similar to Drosophila melanogaster suppressor of sable (su(s)) pro *
CG6222	DMSUSG_16 su(s) * SUS_DROME SUPPRESSOR OF SAB [NLS_BP] CG6222 LD39941 1B10-1B10 dup:2/3 ID:99A10 + enzyme * putative serine protease-like protein(aa) * weakly similar to human placental protein precursor
CG3303	(SP:PP11_HUMAN)(aa) * placental protein (serine pro CG3303 LD39912 89A13-89B1 ID:99A3
CG2198	+ Ama cell_adhesion * DMAMA_5 Ama * Immunoglobulin-C2-type-domain protein * 1e-15 hemicentin precursor * 3e-19 cell

	adhesion molecule (AA - 681) is 1st base in codon) [ig] CG2198 LD39923 84D1-84D1 ID:99A4				
	+ unknown * 4e-31 SRYA_DROME SERENDIPITY LOCUS ALPHA PROTEIN serendipity (sr * 4e-32 Drosophila simulans				
CG8247	serendipity * 4e-33 DMSRYG1_16 Sry-&agr CG8247 LD39926 44F9-44F9 ID:99A5				
	+ transporter * conserved hypothetical protein(aa) * 8e-14 conserved hypothetical protein * 7e-40 inserted at base 5' end of P				
CG8602	element Inverse PCR * [sugar_tr] CG8602 LD39967 65F2-65F2 ID:99B1				
005000	+ unknown * W06E11.6 gene product(aa) * BRX protein(aa) * W06E11.5 gene product CG5938 LD40095 97F5-97F5				
CG5938	dup:2/2 ID:99B11				
CG1726	+ unknown CG1726 LD40039 ID:99B7				
CG12869	 enzyme * 5e-30 gliotactin precursor - fruit fly (Drosophila melanogaster) * 8e-15 similar to carboxyesterase * 7e-37 ESTN_MOUSE LIVER CARBOXYLESTERASE PRECUR [COesterase] CG12869 LD40049 51B4-51B4 ID:99B8 				
CG12869 CG9335	+ unknown * CG9335 LD40063 38F1-38F1 ID:99B9				
CG5212	+ Pli unknown * Pelle associated protein Pellino * 1e-100 F25B4.2 gene product * Pli * CG5212 LD40134 95C7-95C9 ID:99C1				
CG3212	+ unknown * 5e-24 YCD3 YEAST HYPOTHETICAL 19.3 KD PROTEIN IN STE50 5'REGION * 1e-25 YL56 CAEEL				
	HYPOTHETICAL 17.2 KD PROTEIN F44E2.6 IN CHROMOSOME III * 1e-21 co [CYTOCHROME_C // IG_MHC] CG6584 LD4026(
CG6584	86C7-86C7 ID:99C11				
CG9866	+ unknown * CG9866 LD40170 22E-22E ID:99C4				
	+ endopeptidase * 6e-15 UBPA_YEAST UBIQUITIN CARBOXYL-TERMINAL HYDROLASE (UBIQUITIN THIOLESTERASE *				
	2e-12 FAF_DROME PROBABLE UBIQUITIN CARBOXYL-TERMINAL HYDROLASE FAF [UCH_2_1 // UCH_2_2 // UCH_2_3 //				
CG5505	UCH-1] CG5505 LD40339 66A5-66A5 ID:99D11				
	+ endopeptidase * Herpes virus-associated ubiquitin-specific protease(aa) * 1e-99 UBPF_YEAST UBIQUITIN CARBOXYL-				
004400	TERMINAL HYDROLASE (UBIQUITIN THIOLESTERASE * 4e-40 UB [UCH_2_1 // UCH_2_2 // MATH // UCH_2_3 /] CG1490				
CG1490	LD40280 11A4-11A4 ID:99D2 + transporter * 1e-120 similar to serine/threonine dehydratases (Pfam: S_T_dehydratase.hmm, score: * 1e-153 tetracycline				
	transporter-like protein * 5e-28 tetracycli [SUGAR_TRANSPORT_1 // TCRTETA // sugar_t] CG11537 LD40292 63B10-63B10				
CG11537	ID:99D5				
	+ transcription_factor * Yjr119cp(aa) * XE169 PROTEIN (SMCX PROTEIN)(aa) * T17H7.10(aa) * JUMONJI PROTEIN(aa)				
CG9088	[ARID // PHD] CG9088 LD40310 26B1-26B1 dup:2/2 ID:99D7				
	+ enzyme * ubiquitin-conjugating enzyme E2-32k(aa) * 2e-33 UBC7_YEAST UBIQUITIN-CONJUGATING ENZYME E2-18 KI				
	(UBIQUITIN-PROTEIN LIGASE) (UBI * 3e-24 UBC6_DROME [UBIQUITIN_CONJUGAT // UQ_con // UBIQUIT] CG7656 LD40324				
CG7656	71D4-71E1 dup:3/3 ID:99D8				
	+ RfC40 DNA_replication_factor * 3e-99 RFC4_YEAST ACTIVATOR KD SUBUNIT (REPLICATION FACTOR C KD SUBUNIT) *				
CG14999	AC14_DROME ACTIVATOR KD SUBUNIT (REPLICATION FACTOR C KD SUBUNIT) (A1 * 1 [ATP_GTP_A] CG14999 LD40483 64A10-64A10 dup:2/2 ID:99E11				
CG 14999	+ fs(1)Ya cell_cycle_regulator * mitosis initiation protein fs(1)Ya - fruit fly (Drosophila melanogaster)(aa) * FSYA_DROME MITOSI;				
CG2707	INITIATION PROTEIN FS(1)YA fs(1)Ya prote * DMFS1Y [ZINC_FINGER_C2H2] CG2707 LD40381 3B6-3B6 dup:2/2 ID:99E2				
	+ RpA-70 DNA_replication_factor * DMRPA1_3 RpA-70 * REPLICATION PROTEIN A KD DNA-BINDING SUBUNIT (RP-A) (RF-A				
CG9633	(REPLICATION FACTOR-A PROTEIN 1) (SINGLE-STRANDED DNA-BINDING PROTEIN) CG9633 LD40420 84F-84F dup:4/4				

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	+ M(2)21ABenzyme * 1e-88 METK_YEAST S-ADENOSYLMETHIONINE SYNTHETASE (METHIONINE
	ADENOSYLTRANSFERASE 1) * 1e-142 METK_DROME S-ADENOSYLMETHIONINE SYNTHETASE (METHIONINE
CG2674	[ADOMET_SYNTHETASE_1 // ADOMET_SYNTHETAS] CG2674 LD40460 21B-21B dup:2/2 ID:99E9
	+ enzyme * 3-KETOACYL-COA THIOLASE MITOCHONDRIAL (BETA-KETOTHIOLASE) (ACETYL-COA
	ACYLTRANSFERASE) (MITOCHONDRIAL 3-OXOACYL-COA THIOLASE)(aa) * 8e-54 pdb 1AFW A [thiolase // THIOLASE_1 //
CG4600	THIOLASE_2 //] CG4600 LD40538 33A1-33A1 dup:1/2 ID:99F6
	+ unknown * predicted using Genefinder; similar to Acetyltransferase (GNAT) family (2 domains); cDNA EST yk466g5.3 come
CG1969	from this gene; cDNA EST yk255h7.3 come [Acetyltransf] CG1969 LD40766 99C1-99C1 ID:99G10
005040	+ BcDNA:LD34343 enzyme * 1e-111 SCS1 product=suppressor of chaperonin sixty-1 cerevisi * 1e-152 similar to RTS1 PROTEIN
CG5643	(SCS1 PROTEIN) * 1e-149 protein phosphatase 2A subuni CG5643 LD40774 98A3-98A3 dup:2/3 ID:99G11
CG2162	 unknown * hypothetical protein(aa) * 6e-71 inserted at base Both 5' and 3' ends of P element Inverse PCR * [NLS_BP] CG2162 LD40717 63B4-63B5 dup:2/2 ID:99G7
CG14709	+ transporter CG14709 LD21507 ID:Farhad's BA11
CG7873	+ protein_kinase CG7873 Src42 dup:2/3 ID:Farhad's BB12
CG17682	+ CG17682 LP04696 ID:Farhad's BB8
CG2016	+ unknown * 0.0000000007* 4e-10 0.9-kb RNA transcript * CG2016 ck01170 82E7-82E7 dup:2/3 ID:Farhad's BD11
002010	+ W unknown * W * HEAD INVOLUTION DEFECTIVE PROTEIN (WRINKLED PROTEIN)(aa) * 1e-148 W * 6E-99 CG5123
CG5123	ck02091 75C-75C2 dup:2/4 ID:Farhad's BE10
	+ nucleic_acid_binding * protein(aa) * 2e-23 F28F5.2 gene product * zinc-finger domain-containing protein * LIM domain only
CG1055	LIM domain only s [LIM_DOMAIN_1 // LIM // LIM_DOMAIN_2 //] CG1055 ck02463 82D5-82D6 ID:Farhad's BE12
	+ structural_protein * 70kD peroxisomal integral membrane protein(aa) * similar to kD peroxisomal membrane protein
CG12703	(PMP70), an ATP-binding transport protein(aa) * 1e-19 CG12703 ck01606 18F1-18F1 ID:Farhad's BE5
	+ unknown * BLASTX 5.8E-08 Mouse proteolipid protein variant DM-20 mRNA, complete cds.(dna) * 2e-21 M6A_MOUSE
CG7540	MEMBRANE GLYCOPROTEIN M6-A membrane glycoprote * 3 [Myelin_PLP] CG7540 ck01837 78D7-78D8 ID:Farhad's BE8
CG9503	+ enzyme CG9503 ck02694 ID:Farhad's BF1
CG4859	+ unknown CG4859 dMMP dup:2/2 ID:Path + CtrL1 + kras160
CG3619	+ cell_adhesion CG3619 Delta dup:2/4 ID:Path + CtrL1 + kras195
CG6794	+ transcription_factor CG6794 dif dup:3/3 ID:Path + CtrL1 + kras210
CG12763	+ CG12763 Diptericin dup:2/3 ID:Path + CtrL1 + kras244
	+ N transmembrane_receptor * cell adhesion cell adhesion) plasma membrane plasma membrane) map_position:3C7 *
	NEUROGENIC LOCUS NOTCH PROTEIN PRECURSOR[ANK_REP // EGFBLOOD // EGF_1 // EGF //] CG3936 Notch 3C7-3C9
CG3936	dup:2/4 ID:Path + CtrL1 + kras248
CG7939	+ CG7939 RP49 dup:3/3 ID:Path + CtrL1 + kras60