T-1-1- C1	
Table S1	
Gene list for 3,	219 genes whose expression changes at least four fold across development (ANOVA p<0.001).
Gene ID	mixed annotation (+ indicates sequence confirmation)
	+ 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
CG9343	ID:101A10
	+ * 3e-25 predicted using Genefinder; cDNA EST comes from this * 4e-38 SPC1_HUMAN MICROSOMAL SIGNAL
CG1751	PEPTIDASE KD SUBUNIT (SPC25) * 3e-38 SPC1_CANFA MICR CG1751 10B17-10C1 dup:1/2 ID:101A12
CG12505	+ unknown * CG12505 LD41905 50F6-50F6 ID:101A2
	+ Ote motor_protein * 1e-174 OTE_DROME OTEFIN otefin - fruit fly (Drosophila melanogas * 1e-176 DMOTEDA_2 Ote * *
CG5581	CG5581 LD41911 55C3-55C4 ID:101A4
	+ BcDNA:LD06837 DNA_replication_factor * Similarity to Human activator KD subunit (SW:AC13_HUMAN); cDNA EST CEESG65F
	comes from this gene; cDNA EST yk267e6.5 comes from this gene; cDNA EST [RFC] CG6258 LD41983 32D4-32D4 dup:2/2
CG6258	ID:101B1
CG1636	+ unknown * CG1636 LD42063 7D21-7D21 dup:1/2 ID:101B10
	+ Prat enzyme * AMIDOPHOSPHORIBOSYLTRANSFERASE PRECURSOR (GLUTAMINE
	PHOSPHORIBOSYLPYROPHOSPHATE AMIDOTRANSFERASE) (ATASE) (GPAT)(aa) * DMPRAT_2 Prat * 1e-55 PUR1_YE
CG2867	[Pribosyltran // PUR_PYR_PR_TRANSFER //] CG2867 LD42113 84E1-84E1 dup:1/3 ID:101B11
	+ 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
CG17602	+ unknown * CG17602 LD42024 20A1-20A1 ID:101B4
	+ transcription_factor * 5e-67 putative zinc finger protein * 6e-21 growth factor independence-1B * 4e-21 growth factor
CG1603	independent 1B (potential regulator of CDKN1A, tran * [zf-C2H2 // ZINC_FINGER_C2H2] CG1603 LD42046 43D3-43D3 ID:101B7
	+ unknown * similar to * conserved hypothetical protein, family(aa) * Yml080wp(aa) * hypothetical 35.8K protein (fis 5' -
CG3645	Escherichia coli(aa) [UPF0034 // FMN_ENZYMES] CG3645 LD42056 21B5-21B5 ID:101B8
	+ Dap160 signal_transduction * Dap160 * 0.0000000000000000004* dynamin associated protein isoform Dap160-1 * 5e-08 hum-1
CG1099	[EPS // EF_HAND // SH3DOMAIN // SH3 // N] CG1099 LD42142 39B1-39B1 ID:101C2
	+ 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_BP /| CG7392 28E1-28E1 dup:1/3 ID:101C7 + qua actin_binding * qua * QUAI_DROME VILLIN-LIKE PROTEIN QUAIL villin homolog qua * 9e-18 similar to gelsolin; cDNA EST comes from this gene * 3e-71 putative actin-bin [GELS // GELSOLIN] CG6433 LD42165 36C4-36C4 ID:101C8

unknown * CG15634 LD42284 25A4-25A4 ID:101D10 CG15634

CG7392

CG4036	+ unknown * 5e-28 F09F7.7 gene product * [NLS_BP] CG4036 LD42289 32F1-32F1 dup:1/2 ID:101D11
000004	+ unknown * F35A5.8 gene product(aa) * CGI-61 protein(aa) * 2e-58 F35A5.8 gene product * 6e-06 antigen 6; AdamAS
CG9834	[NLS_BP] CG9834 LD42223 56C10-56C11 ID:101D2 + EG:39E1.1 unknown * 5e-33 YNJ2 YEAST HYPOTHETICAL 45.5 KD PROTEIN IN YPT53-RHO2 INTERGENIC REGION *
CG11596	/match=(desc:; /ma * 6e-54 Similairity with yeast hypothetical prote [NLS_BP] CG11596 LD42227 2B17-2B17 dup:2/2 ID:101D3
0011390	+ enzyme * DMPEROX_5 Pxd * 7e-87 PERO_DROME PEROXIDASE PRECURSOR myeloperoxidase (EC 1.11. * similar to
	peroxidase; cDNA EST comes from this gene; * 4e-93 PERM [MYB_2 // ANPEROXIDASE // peroxidase //] CG10211 LD42267
CG10211	37A1-37A1 ID:101D7
	+ DNA_binding * 3e-59 CAC2_YEAST CHROMATIN ASSEMBLY FACTOR P60 SUBUNIT (CAF-1 KD SUBUNIT) * 8e-33
	HIRA * 4e-11 YZLL_CAEEL HYPOTHETICAL 43.1 KD TRP-ASP REPEATS CONTA [GPROTEINB // WD40_REGION //
CG12892	WD_REPEATS] CG12892 LD42270 47A9-47A9 ID:101D8
CG17129	+ transcription_factor * [NLS_BP] CG17129 LD42420 61C9-61C9 dup:2/2 ID:101E10
	+ osa DNA_binding * eyelid(aa) * eld * 3e-05 YM42_YEAST HYPOTHETICAL 162.7 KD PROTEIN IN SIP18-SPT21
007407	INTERGENIC REGION * 2e-37 coded for by C. elegans cDNA yk7c8.5; co [ARID // PRO_RICH // ANTIFREEZEI] CG7467 90C-
CG7467 CG5857	90C dup:4/4 ID:101E12 + unknown * CG5857 LD42327 95C-95C dup:2/2 ID:101E3
CG5657	 unknown * CG5857 LD42327 95C-95C dup:2/2 ID:101E3 enzyme * 2e-30 5'-nucleotidase (EC 3.1.3.5) - mouse * 2e-31 5' nucleotidase (CD73) 5'-NUCLEOTIDASE PRECURSOR
	(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
	+ Grip91 cytoskeletal_structural_protein * gamma-tubulin interacting protein(aa) * gamma-tubulin ring protein Dgrip91(aa) * 1e-123
	spindle pole body protein spindle pole body protein spc98[DEHYDRATASE_SER_THR] CG10988 LD42379 12B7-12B7 dup:3/4
CG10988	ID:101E5
000004	+ Parg enzyme * poly(ADP-ribose) glycohydrolase * 6e-33 cDNA EST comes from this gene; cDNA EST co * 1e-100 poly(ADP-
CG2864	ribose) glycohydrolase * 1e-102 poly (ADP-ribos [NLS_BP // ATP_GTP_A] CG2864 LD42380 3F2-3F2 dup:5/5 ID:101E6 + BcDNA:LD29892 unknown * 4e-09 YKT7 CAEEL HYPOTHETICAL 53.2 KD PROTEIN C07A9.7 IN CHROMOSOME III * 1e-05
CG8378	skm-BOP2 * 8e-52 inserted at base Both 5' and 3' ends of P element I [SET_DOMAIN] CG8378 48E10-48E10 dup:3/3 ID:101E8
000070	+ Rep1 enzyme * Rep1 * 1e-121 DNA fragmentation factor DREP-1 * 1e-08 cell death activator CIDE-A * 4e-09 cell death-
CG8357	inducing DFFA-like effector a c CG8357 48E2-48E2 dup:3/3 ID:101E9
	+ Pi3K21B signal_transduction * p60(aa) * DMPIK57 Pi3K21B * p60 p * 2e-08 similar to vav proto-oncogene [PI3KINASEP85 //
CG2699	SH2DOMAIN // SH2] CG2699 LD42724 21B7-21B7 dup:2/2 ID:101F10
	+ Aats-glupro enzyme * Aats-glupro * 1e-168 YHI0_YEAST PUTATIVE PROLYL-TRNA SYNTHETASE YHR020W (PROLINE
005004	TRNA LIGASE) (PRORS * SYEP_DROME MULTIFUNCTIONAL AMINOACYL-TRNA S [WHEP-TRS // AA_TRNA_LIGASE_I //
CG5394	tRNA-sy] CG5394 LD42739 95C13-95D1 ID:101F11 + 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
CG8121	+ unknown * CG8121 LD42595 85D9-85D9 ID:101F3

	+ TH1 unknown * TH1(aa) * DMTH1X_3 TH1 * potential zinc-finger domains centered at aa and aa 364; kDa protein;
CG9984	putative(aa) * DMTH1X_3 TH1 CG9984 LD42626 14C4-14C4 ID:101F4
000400	+ 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
	+ 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
000050	+ enzyme * 3e-76 alpha esterase * 1e-40 strong similarity to the type-B carboxylesterase/lipase family e * 3e-47 pdb 1MAH A
CG9858	Chain A, Fasciculin2 - Mouse Acetyl [TONB_DEPENDENT_REC_1 // ESTERASE // COe] CG9858 LD42723 57F4-57F4 ID:101F9
CG15312	+ transmembrane_receptor * [ig] CG15312 LD42756 9B1-9B1 ID:101G1 + Cdic motor_protein * Cdic * cytoplasmic dynein intermediate chain isoform DIC5b(aa) * cytoplasmic dynein intermediate chain
CG18000	isoform DIC3a(aa) * 3e-83 cytoplasmic dynein CG18000 LD42953 19C1-19C1 dup:1/2 ID:101G10
	+ enzyme * No definition line found(aa) * predicted secreted protein(aa) * 3e-06 predicted secreted protein * [NLS_BP]
CG1745	CG1745 LD43003 10B15-10B15 dup:1/2 ID:101G12
	+ enzyme * unknown(aa) * PROBABLE GMP SYNTHASE (GLUTAMINE-HYDROLYSING) (GLUTAMINE
000040	AMIDOTRANSFERASE) (GMP SYNTHETASE)(aa) * guanine-monophosphate synthetase; GM [CPSGATASE // GMP_synt_C //
CG9242	ANTSNTHASEII] CG9242 LD42771 39B4-39B4 dup:2/2 ID:101G2 + 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
000101	+ Taf80 signal_transduction * 2e-17 TUP1_YEAST GLUCOSE REPRESSION REGULATORY PROTEIN TUP1 (FLOCCULATION
	SUPPRESSOR P * T2D4_DROME TRANSCRIPTION INITIATION FACTOR TFIID KD SUBUN[GPROTEINBRPT //
CG7704	WD40_REGION // WD_REPEA] CG7704 LD42828 47C5-47C6 ID:101G5
0047464	+ 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 + GDP/GTP exchange factor for Ras GRF CDC25, PH, PH DOMAIN, RasGEF CG5522 dup:1/2 ID:101G8
CG5522	 + GDP/GTP exchange factor for Ras GRF_CDC25, PH, PH_DOMAIN, RasGEF CG5522 dup:1/2 ID:101G8 + transporter * similar to ABC transporters; ABC transporter transmembrane * metal resistance protein, similar to multidrug
CG7806	resistance proteins and cystic fibrosi [ATP_GTP_A2 // ABC_TRANSPORTER // ABC_tr] CG7806 LD42916 29A5-29A5 ID:101G9
CG18459	+ CG18459 54C10-54C10 ID:101H11
	+ 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
	+ cell_cycle_regulator * pombe Cdc5-related protein(aa) * similar to MYB transforming protein; cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA [MYB_1 // MYB_2 // myb_DNA-binding // MY] CG6905 LD43082 61C1-61C1 dup:2/2
CG6905	ID:102A1
22000	15.102.1

CG5145	+ unknown * CG5145 LD43096 77C2-77C2 ID:102A2
	+ Chc transporter * DMCHC_2 Chc * CLH_YEAST CLATHRIN HEAVY CHAIN clathrin heavy chain - y * CLH_DROME
000040	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
000101	+ 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
0044220	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
	+ storage_protein * s18 chorion protein(aa) * GCR protein - fruit fly (Drosophila melanogaster)(aa) * s19 chorion protein(aa) *
CG5095	ATP-DEPENDENT RNA HELICASE A (NUCLEAR CG5095 LD43171 15E5-15E5 ID:102B2
	+ enzyme * 1e-98 PERO_DROME PEROXIDASE PRECURSOR myeloperoxidase (EC 1.11. * 6e-87 similar to eosinophil peroxidase and myelo-peroxydase * 2e-65 PERT_MOUSE THY [ANPEROXIDASE // PEROXIDASE_3] CG7660 LD43174 90C-90C
CG7660	ID:102B3
	+ unknown * 9e-56 cDNA EST comes from this gene; cDNA EST co * * [AROMATIC_AA_PERMEASE_2] CG5262 LD43196
CG5262	77C1-77C1 ID:102B5
CG11560	+ unknown * putative transposase(aa) * 3e-05 ORF1 * 2e-07 putative transposase * Hermes transposase [AMP_BINDING] CG11560 LD43225 68F3-68F3 ID:102B8
CG11560	+ Orc4 DNA_replication_factor * 56-kDa subunit of recognition complex (ORC); Orc4p(aa) * recognition complex subunit 4-related
CG2917	protein Orp4p(aa) * recognition complex, subunit (yea [ATP_GTP_A2 // ATP_GTP_A] CG2917 LD43280 60D16-60D16 ID:102C1
	+ 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 motor_protein * 7e-10 NUF1_YEAST NUF1 PROTEIN (SPINDLE POLY BODY SPACER PROTEIN SPC110) * 2e-14
CG5740	nonmuscle myosin-II heavy chain * 1e-10 Similarity to Human endosoma CG5740 LD43488 94A-96C1 dup:2/2 ID:102D1
	+ 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
	+ RpII215 enzyme * DNA-DIRECTED RNA POLYMERASE II LARGEST SUBUNIT (VERSION 1)(aa) * DMRPRIIA_2 RpII215 * DNA-DIRECTED RNA POLYMERASE II LARGEST SUBUNIT(aa) * RNA poly [RNA_POL_II_REPEAT] CG1554 LD43558 10C4-
CG1554	10C5 ID:102D12
CG4867	+ unknown * 1e-21 BC10_HUMAN BLADDER CANCER KD PROTEIN 10kD protein * 1E-136* CG4867 LD43519 64E-64E
-	_

ID:102D3

	+ unknown * Similarity to pre-mRNA splicing factor; cDNA EST comes from this gene; cDNA EST yk236g11.3 comes from this
CG1420	gene; cDNA EST yk274g3.3 comes from this [NLS_BP] CG1420 LD43674 98F7-98F8 dup:2/2 ID:102E11
001120	+ 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
CG4497	+ unknown * [GRAM_POS_ANCHORING] CG4497 LD43863 27E4-27E4 ID:102F12
	+ unknown * 6e-08 No definition line found * 1e-13 signal peptidase:SUBUNIT=12kD * 3E-97* 1e-07 No definition line found
CG2310	[ATP_GTP_A] CG2310 LD43791 99B3-99B3 ID:102F8
CG4702	+ unknown * CG4702 LD43816 88A1-88A1 ID:102F9
CG5694	+ unknown * CG5694 LD44026 31B4-31B4 dup:1/2 ID:102G12
	+ unknown * protein kinase cAMP-dependent protein kinase) unlocalised cAMP-dependent protein kinase) map_position:77F
CG18677	* * CG18677 LD43873 77E8-77E8 ID:102G2
	+ 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
	+ BG:BACR48E02.4 cell_adhesion * Ras suppressor protein 1(aa) * 3e-07 adenylate cyclase * 3e-06 CHAO_DROME CHAOPTIN
000004	PRECURSOR (PHOTORECEPTOR CELL-SPECIFIC MEMBRANE PROTEIN) * 3e-63 [LRR // LEURICHRPT] CG9031 LD43891
CG9031	36E3-36E3 ID:102G5
CG1024	+ CG1024 dup:1/3 ID:102G9
CG17184	+ motor_protein * ARFAPTIN 1(aa) * 3e-36 YL87_CAEEL HYPOTHETICAL 35.0 KD PROTEIN F54C8.7 IN CHROMOSOME III * 2e-82 por1 * AFP2 HUMAN ARFAPTIN (POR1 PROTEIN) arfaptin CG17184 LD44124 86D8-86D8 dup:2/2 ID:102H10
CG17 104	+ signal_transduction * 3e-07 hypothetical protein YHR016c - yeast (Saccharomyces cerevisiae) (U1 * 3e-08 YKA7_CAEEL
	HYPOTHETICAL 39.7 KD PROTEIN IN CHROMOSOME III * 2e-1[P67PHOX // SH3DOMAIN // SH3 // PRO RICH] CG7129
CG7129	LD44138 90F7-90F7 ID:102H11
	+ BcDNA:GM13640 enzyme * DNA primase, p58 subunit(aa) * putative dna primase large subunit(aa) * primase, polypeptide 2A
CG5553	(58kD)(aa) * PROBABLÉ DNA PRIMASE LARGE SUBUNIT(aa) CG5553 LD44074 77B4-77B4 ID:102H6
	+ Tbp transcription_factor * Tbp * TRANSCRIPTION INITIATION FACTOR TFIID (TATA-BOX FACTOR) (TATA SEQUENCE-
	BINDING PROTEIN) (TBP) (TATA-BOX BINDING PROTEIN)(aa) * 4e-80 TF2D_YEAS [TFIID // TIFACTORIID // TBP] CG9874
CG9874	LD44083 57F8-57F8 dup:1/2 ID:102H7
	+ unknown * similar to Probable rabGAP domains; cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA
CG8155	EST yk243e1.5 comes from this gene; cDNA EST [TBC // RAB_GAP] CG8155 LD44087 51F5-51F6 ID:102H8
0044040	+ motor_protein * ORF 73, contains large complex repeat CR sarcoma-associated * zip * 9e-17 transport protein USO1 - yeast
CG11248	(Saccharomyces cerevisiae) * 1e-17 nonmusc CG11248 LD44094 78F2-78F2 ID:102H9
CG11005	+ enzyme * 3alpha-hydroxysteroid dehydrogenase (B-specific) (EC 1.1.1.50) - Pseudomonas sp. (strain * DMGLUTAC_9 Glt * DMADHA1 9 Adh * DMSCU scu [adh short C2 // GDHRDH // adh short //] CG11005 LD44221 83B6-83B6 ID:103A10
CG11005	+ Prosbeta2 endopeptidase * Pros bgr;2 * 3e-71 PRCF YEAST PROTEASOME COMPONENT PUP1 PRECURSOR
	(MACROPAIN SUBUNIT PUP1) (PROTEIN * 1e-146 20S proteasome beta2 subunit * 4e-49 pr [PROTEASOME_B //
CG3329	PROTEASOME_PROTEASE //] CG3329 LD44234 71A3-71A3 ID:103A11

0040407	+ unknown * putative centromere protein(aa) * HYPOTHETICAL 75.7 KD PROTEIN T10F2.3 IN CHROMOSOME III(aa) * 6e-
CG10107 CG4229	12 SMT4_YEAST SMT4 PROTEIN SMT4 protein - yeast(CG10107 LD44235 65C3-65C3 dup:1/2 ID:103A12 + unknown * CG4229 LD44179 77A1-77A1 ID:103A2
CG4229	+ signal_transduction * Taf80 * katanin p80 subunit(aa) * 5e-07 YCW2_YEAST HYPOTHETICAL 57.0 KD TRP-ASP
	REPEATS CONTAINING PROTEIN IN CPR4-SSK2 * 4e-09 transcription ini[GPROTEINBRPT // GPROTEINB // WD40_REGIO]
CG9910	CG9910 LD44201 14B11-14B11 ID:103A6
	+ signal_transduction * PACSIN(aa) * 3e-07 hypothetical protein YFR024c-a - yeast (Saccharomyces cerevisiae) * 7e-08
	Cortactin * 1e-52 weakly similar to surface[FCH // CDC15_NT // P67PHOX // SH3DOMAIN] CG15694 LD44220 92F13-92F13
CG15694	dup:2/2 ID:103A9
CG1503	+ unknown * CG1503 LD44327 19E7-19E7 ID:103B10
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
CG9318	+ unknown * multispanning membrane protein (70kD)(aa) * 1e-107 probable membrane protein YDR107c - yeast (Saccharomyces cerevisiae) * strong similarity to Sacch CG9318 LD44273 38E3-38E4 ID:103B5
CG9510	+ enzyme * isopeptidase T(aa) * 3e-68 UBPE_YEAST UBIQUITIN CARBOXYL-TERMINAL HYDROLASE (UBIQUITIN
	THIOLESTERASE 14) * 1e-125 Similar to ubiquitin carboxyl-term [UBA // UCH_2_1 // UCH_2_2 // UCH_2_3 //] CG12082 LD44295
CG12082	63B10-63B11 ID:103B7
CG3995	+ unknown * [NLS_BP] CG3995 89E12-89E12 dup:2/2 ID:103B9
	+ CycA cell_cycle_regulator * cell cycle regulator cyclin) map_position:68E1-2 * DMCYCA_3 CycA * G2/MITOTIC-SPECIFIC
	CYCLIN A(aa) * 2e-27 CG23_YEAST G2/MITOTIC-SPECIFIC[cyclin // HELIX_LOOP_HELIX // CYCLINS] CG5940 LD44443 68D4-
CG5940	68D4 dup:2/2 ID:103C10
CC40204	+ 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 + pav motor protein * 7e-35 YGW6 YEAST PUTATIVE KINESIN-LIKE PROTEIN YGL216W hypoth * PAV-KLP protein * 5e-91
	Similar to kinesin-like protein; coded for by C. elegans cDN [kinesin // KINESIN_MOTOR_DOMAIN1 // KIN] CG1258 64B4-64B4
CG1258	dup:1/2 ID:103C2
CG9241	+ function_unknown * Cdc23(aa) * * [NLS_BP] CG9241 LD44370 39B4-39B4 dup:1/2 ID:103C3
	+ chaperone * 5e-33 Similarity to Xenopus P58 protein cDNA EST * 3e-78 GP36b glycoprotein * 3e-83 coded for by C. elegans
CG5510	cDNA yk74e11.5; coded for by C. elegans CG5510 95E3-95E3 dup:2/2 ID:103C4
	+ 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
	(GLUCAN 1,4-ALPHA-GLUCOSIDASE) (1,4-ALPH * 1e-08 predicted u [FHA_DOMAIN // NLS_BP // FHA] CG6754 LD44438 67C-
CG6754	67C dup:1/2 ID:103C9
CG4316	+ Sb endopeptidase * trypsin-like serine protease(aa) * DMSTUBBLE_1 Sb * masquerade precursor - fruit fly (Drosophila

melanogasteri/(aa) * plasminogen activator, tiss[trypsin // CHYMOTRYPSIN // TRYPSIN_SER] CG4316 LD44584 89B9-89B9 dup;3/3 ID:103D10 + Iswi DNA_binding * enzyme DNA dependent adenosinetriphosphatase) transcription factor binding transcription co-activator) map_position:72A3 * enzyme DNA dependent ad [helicase_C // SNF2_N // NLS_BP // ATP_G] CG8625 LD44594 49B6-49B7 ID:103D12 + SPT4 enzyme * 3e-13 SPT4_YEAST TRANSCRIPTION INITIATION PROTEIN SPT4 SPT4 pro * 6e-30 contains similarity to Saccharomyces cerevisiae Spt4 * 7e-39 unknown * 1e-39 CG12372 LD44495 49B5-49B5 ID:103D2 + enzyme * DMANKY_5 Ank * calcium-independent phospholipase A2(aa) * Ca24-independent phospholipase A2(aa) * 1e-08 ankyrin ankyrin m [ANK_REP // ank // ANK_REP_REGION] CG6718 LD44516 67C2-67C2 dup;2/2 ID:103D4 + unknown * 1e-12 YKK4_CAEEL HYPOTHETICAL 30.2 KD PROTEIN C02F5.4 IN CHROMOSOME III ** [NLS_BP] CG9018 LD44521 62D3-62D3 dup;2/2 ID:103D5 + motor_protein * CLIP-190 * 6e-05 microtubule binding protein D-CLIP-190 * 3e-05 myosin * 4e-06 ORF 73, contains large complex repeat CR sarcoma-associated herpes v CG8621 LD44526 65E6-65E6 dup;2/2 ID:103D6 + unknown * 4e-14 YZG1_CAEEL HYPOTHETICAL 28.7 KD PROTEIN F13E6.1 IN CHROMOSOME X * 1e-13 D52 * 7e-20 tumor protein D52-like hD54+ins2 isoform * 3e-14 CSPP28 CG5174 LD44733 55C11-55C11 dup;3/3 ID:103E10 + unknown * F1N21.18(aa) * HYPOTHETICAL 28.7 KD PROTEIN F13E6.1 IN CHROMOSOME III(aa) * (ZF_CCHC // PRO_RICH // zf-CCHC // NLS_B] CG4622 LD44757 60D5-60D5 dup;3/3 ID:103E12 + DNA_binding * 4e-06 probable firger protein YOL054w - yeast (Saccharomyces cerevisiae) * 5e-22 contains similarity to C3+30 C3+40 C4-class zinc finger eleg * 1e-06 peroxis [zf-C3+4C] CG13605 LD44641 95D10-95D10 dup;2/2 ID:103E3 + suf1 transporter * metabolite transport protein(aa) * membrane transporter like protein(aa) * solute carrier family (facilitated glucose transporte protein(aa) * membrane transporter like protein(aa) * solute carrier family (facilitated glucose transporte glucose transporte glucose protein YD6454 + un		
Fiswi DNA_binding * enzyme DNA dependent adenosinetriphosphatase) transcription factor 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 + SPT4 enzyme* 3e-13 SPT4_YEAST TRANSCRIPTION INITIATION PROTEIN SPT4 SPT4 pro* 6e-30 contains similarity to Saccharomyces cerevisiae Spt4* 7e-39 unknown* 1e-39 CG12372 LD44495 49B5-49B5 ID:103D2 + enzyme* DMANKY_5 Ank* calcium-independent phospholipase A2(aa) * Ca2+-independent phospholipase A2(aa) * 1e-08 ankyrin ankyrin m [ANK_REP // ank // ANK_REP_REGION] CG6718 LD44516 67C2-67C2 dup:2/2 ID:103D4 + unknown* 1e-12 YKK4_CAEEL HYPOTHETICAL 30.2 KD PROTEIN CO2F5.4 IN CHROMOSOME III ** [NLS_BP] CG9018 LD44521 62D3-62D3 dup:2/2 ID:103D5 + motor_protein * CLIP-190 * 6e-05 microtubule binding protein D-CLIP-190 * 3e-05 myosin * 4e-06 ORF 73, contains large complex repeat CR sarcoma-associated herpesv CG8621 LD44526 65E6-65E6 dup:2/2 ID:103D6 + unknown* 4e-14 YZG1_CAEEL HYPOTHETICAL 28.7 KD PROTEIN F13E6.1 IN CHROMOSOME X * 1e-13 D52 * 7e-20 tumor protein D52-like hD54+ins2 isoform * 3e-14 CSPP28 CG5174 LD44733 55C11-55C11 dup:3/3 ID:103E10 + unknown* F1N21.18(aa)* HYPOTHETICAL 51.8 KD PROTEIN XG32.11 IN CHROMOSOME III(aa)* * [ZF_CCHC // CG4622 PRO_RICH // zf-CCHC // NLS_B] CG4622 LD44757 60D5-60D5 dup:3/3 ID:103E12 + DNA_binding* 4e-06 probable finger protein YOL054w - yeast (Saccharomyces cerevisiae)* 5e-22 contains similarity to CG13605 C3HC4-class zinc finger eleg* 1e-06 peroxis [zf-C3HC4] CG13605 LD44641 95D10-95D10 dup:2/2 ID:103E3 + sut1 transporter * metabolite transport protein(aa)* membrane transporter like protein(aa)* ERD6 protein(aa)* solute carrier family (facilitated glucose transporte [SUGRTRNSPORT // SUGAR_TRANSPORT_2 // su] CG8714 LD44652 44A4-44A4 dup:4/4 ID:103E4 CG6422 + RNA_binding CG5422 dup:2/2 ID:103E6 + unknown * TF-80* 4e-29 inserted at base Both 5' and 3' ends of P element Inverse PCR * [ATP_GTP_A] CG11104 LD44686 CG11104 12B8-12B8 dup:2/2 ID:103E6 + unknown * [NLS_BP // ANTIFREEZEI] CG7832 LD44696 88C10-88C10 dup:3/3 ID:103E7 + unknown * [NLS_BP // ANTIFREEZEI] CG7832 LD44696 88C10-B8C10 dup:3/3 ID:103E7 + unknown * F9-80* No definition line found * 5e-16 PSD-95/SAP90-		+ İswi DNA_binding * enzyme DNA dependent adenosinetriphosphatase) transcription factor binding transcription co-activator)
CG12372 Saccharomyces cerevisiae Spt4 * 7e-39 unknown * 1e-39 CG12372 LD44495 49B5-49B5 ID:103D2 + enzyme * DMANKY_5 Ank * calcium-independent phospholipase A2(aa) * Ca2+-independent phospholipase A2(aa) * 1e-08 ankyrin ankyrin m [ANK_REP // ank // ANK_REP_REGION] CG6718 LD44515 67C2-67C2 dup:2/2 ID:103D4 + unknown * 1e-12 YKK4_CAEEL HYPOTHETICAL 30.2 KD PROTEIN C02F5.4 IN CHROMOSOME III * * [NLS_BP] CG9018 LD44521 62D3-62D3 dup:2/2 ID:103D5 + motor_protein * CLIP-190 * 6e-05 microtubule binding protein D-CLIP-190 * 3e-05 myosin * 4e-06 ORF 73, contains large complex repeat CR sarcoma-associated herpesv CG8621 LD44526 65E-65E6 dup:2/2 ID:103D6 + unknown * 4e-14 YZG1_CAEEL HYPOTHETICAL 28.7 KD PROTEIN T3E6.1 IN CHROMOSOME X * 1e-13 D52 * 7e-20 tumor protein D52-like hD54-ins2 isoform * 3e-14 CSPP28 CG5174 LD44733 55C11-55C11 dup:3/3 ID:103E10 + unknown * F1N21.18(aa) * HYPOTHETICAL 28.7 KD PROTEIN T3E6.1 IN CHROMOSOME III(aa) * * [ZF_CCHC // PRO_RICH // zf-CCHC // NLS_B] CG4622 LD44757 60D5-60D5 dup:3/3 ID:103E12 + DNA_binding * 4e-06 probable finger protein YOL054w - yeast (Saccharomyces cerevisiae) * 5e-22 contains similarity to CG13605 C3HC4-class zinc finger eleg * 1e-06 peroxis [zf-C3HC4] CG13605 LD44641 95D10-95D10 dup:2/2 ID:103E3 + sut1 transporter * metabolite transport protein(aa) * membrane transporter like protein(aa) * ERD6 protein(aa) * solute carrier family (facilitated glucose transporte] SUGRTRNSPORT // SUGAR_TRANSPORT_2 // su] CG8714 LD44652 44A4-44A4 dup:4/4 CG5422 + RNA_binding CG5422 dup:2/2 ID:103E5 + unknown * TE-80* 4e-29 inserted at base Both 5' and 3' ends of P element Inverse PCR * [ATP_GTP_A] CG11104 LD44686 CG11104 12B8-12B8 dup:2/2 ID:103E6 CG7530 YDR492w - yeast (Saccharomyces cerevisiae) (U * 5e-26 C43G2 CG7530 LD44720 88D2-88D2 dup:3/3 ID:103E8 + Rab8_cell_cycle_regulator * Rab8 * rab8(aa) * rab1(aa) * 4e-55 SEC4_YEAST RAS-RELATED PROTEIN SEC4 GTP-binding Protein SE [SIGMA54_INTERACT_1 // PRENYLATION // ra] CG8287 LD44762 76D5-76D5 ID:103F1 +		
CG12372 Saccharomyces cerevisiae Spt4 * 7e-39 unknown * 1e-39 CG12372 LD44495 49B5-49B5 ID:103D2 + enzyme * DMANKY_5 Ank * calcium-independent phospholipase A2(aa) * Ca2+-independent phospholipase A2(aa) * 1e-08 ankyrin ankyrin m [ANK_ERP // ank // ANK_REP_REGION] CG6718 LD44516 67C2-67C2 dup:2/2 ID:103D4 + unknown * 1e-12 YKK4_CAEEL HYPOTHETICAL 30.2 KD PROTEIN C02F5.4 IN CHROMOSOME III * * [NLS_BP] CG9018 LD44521 62D3-62D3 dup:2/2 ID:103D5 + motor_protein * CLIP-190 * 6e-05 microtubule binding protein D-CLIP-190 * 3e-05 myosin * 4e-06 ORF 73, contains large complex repeat CR sarcoma-associated herpesv CG8621 LD44526 65E6-65E6 dup:2/2 ID:103D6 + unknown * 4e-14 YZG1_CAEEL HYPOTHETICAL 28.7 KD PROTEIN F13E6.1 IN CHROMOSOME X * 1e-13 D52 * 7e-20 tumor protein D52-like hD54+ins2 isoform * 3e-14 CSPP28 CG5174 LD44733 55C11-55C11 dup:3/3 ID:103E10 + unknown * F1N21.18(aa) * HYPOTHETICAL 51.8 KD PROTEIN ZK632.11 IN CHROMOSOME III(aa) * * [ZF_CCHC // PRO_RICH // zf-CCHC // NLS_B] CG4622 LD44757 60D5-60D5 dup:3/3 ID:103E12 + DNA_binding * 4e-06 probable finger protein Y0L054w - yeast (Saccharomyces cerevisiae) * 5e-22 contains similarity to C3HC4-class zinc finger eleg * 1e-06 peroxis [zf-C3HC4] CG13605 LD44641 95D10-95D10 dup:2/2 ID:103E3 + sut1 transporter * metabolite transport protein(aa) * membrane transporter like protein(aa) * ERD6 protein(aa) * solute carrier family (facilitated glucose transporte[SUGRTRNSPORT // SUGAR_TRANSPORT_2 // su] CG8714 LD44652 44A4-44A4 dup:4/4 ID:103E4 CG5422 + RNA_binding CG5422 dup:2/2 ID:103E5 + unknown * TE-80* 4e-29 inserted at base Both 5' and 3' ends of P element Inverse PCR * [ATP_GTP_A] CG11104 LD44686 CG11104 12B8-12B8 dup:2/2 ID:103E6 + unknown * HYPOTHETICAL 37.2 KD PROTEIN C12C2.09C IN CHROMOSOME II(aa) * 1e-19 hypothetical protein CG7530 YDR492w - yeast (Saccharomyces cerevisiae) (U * 5e-26 C43G2 CG7530 LD4472 88D2-88D2 dup:3/3 ID:103E8 + Rab8 cell_cycle_regulator * Rab8 * rab8(aa) * rab1(aa) * 4e-55 SEC4_YEAST RAS-RELATED PR	CG8625	ID:103D12
CG12372 Saccharomyces cerevisiae Spt4 * 7e-39 unknown * 1e-39 CG12372 LD44495 49B5-49B5 ID:103D2 + enzyme * DMANKY_5 Ank * calcium-independent phospholipase A2(aa) * Ca2+-independent phospholipase A2(aa) * 1e-08 ankyrin ankyrin m [ANK_ERP // ank // ANK_REP_REGION] CG6718 LD44516 67C2-67C2 dup:2/2 ID:103D4 + unknown * 1e-12 YKK4_CAEEL HYPOTHETICAL 30.2 KD PROTEIN C02F5.4 IN CHROMOSOME III * * [NLS_BP] CG9018 LD44521 62D3-62D3 dup:2/2 ID:103D5 + motor_protein * CLIP-190 * 6e-05 microtubule binding protein D-CLIP-190 * 3e-05 myosin * 4e-06 ORF 73, contains large complex repeat CR sarcoma-associated herpesv CG8621 LD44526 65E6-65E6 dup:2/2 ID:103D6 + unknown * 4e-14 YZG1_CAEEL HYPOTHETICAL 28.7 KD PROTEIN F13E6.1 IN CHROMOSOME X * 1e-13 D52 * 7e-20 tumor protein D52-like hD54+ins2 isoform * 3e-14 CSPP28 CG5174 LD44733 55C11-55C11 dup:3/3 ID:103E10 + unknown * F1N21.18(aa) * HYPOTHETICAL 51.8 KD PROTEIN ZK632.11 IN CHROMOSOME III(aa) * * [ZF_CCHC // PRO_RICH // zf-CCHC // NLS_B] CG4622 LD44757 60D5-60D5 dup:3/3 ID:103E12 + DNA_binding * 4e-06 probable finger protein Y0L054w - yeast (Saccharomyces cerevisiae) * 5e-22 contains similarity to C3HC4-class zinc finger eleg * 1e-06 peroxis [zf-C3HC4] CG13605 LD44641 95D10-95D10 dup:2/2 ID:103E3 + sut1 transporter * metabolite transport protein(aa) * membrane transporter like protein(aa) * ERD6 protein(aa) * solute carrier family (facilitated glucose transporte[SUGRTRNSPORT // SUGAR_TRANSPORT_2 // su] CG8714 LD44652 44A4-44A4 dup:4/4 ID:103E4 CG5422 + RNA_binding CG5422 dup:2/2 ID:103E5 + unknown * TE-80* 4e-29 inserted at base Both 5' and 3' ends of P element Inverse PCR * [ATP_GTP_A] CG11104 LD44686 CG11104 12B8-12B8 dup:2/2 ID:103E6 + unknown * HYPOTHETICAL 37.2 KD PROTEIN C12C2.09C IN CHROMOSOME II(aa) * 1e-19 hypothetical protein CG7530 YDR492w - yeast (Saccharomyces cerevisiae) (U * 5e-26 C43G2 CG7530 LD4472 88D2-88D2 dup:3/3 ID:103E8 + Rab8 cell_cycle_regulator * Rab8 * rab8(aa) * rab1(aa) * 4e-55 SEC4_YEAST RAS-RELATED PR		+ SPT4 enzyme * 3e-13 SPT4 YEAST TRANSCRIPTION INITIATION PROTEIN SPT4 SPT4 pro * 6e-30 contains similarity to
CG6718	CG12372	
CG6718		
LD44521 62D3-62D3 dup:2/2 ID:103D5	CG6718	
CG9018 LD44521 62D3-62D3 dup:2/2 ID:103D5	000.10	
+ motor_protein * CLIP-190 * 6e-05 microtubule binding protein D-CLIP-190 * 3e-05 myosin * 4e-06 ORF 73, contains large complex repeat CR sarcoma-associated herpesy CG8621 LD44526 65E6-65E6 dup:2/2 ID:103D6 + unknown * 4e-14 YZG1_CAEEL HYPOTHETICAL 28.7 KD PROTEIN F13E6.1 IN CHROMOSOME X * 1e-13 D52 * 7e-20 tumor protein D52-like hD54+ins2 isoform * 3e-14 CSPP28 CG5174 LD44733 55C11-55C11 dup:3/3 ID:103E10 + unknown * F1N21.18(aa) * HYPOTHETICAL 51.8 KD PROTEIN ZK632.11 IN CHROMOSOME III(aa) * * [ZF_CCHC // PRO_RICH // zf-CCHC // NLS_B] CG4622 LD44757 60D5-60D5 dup:3/3 ID:103E12 + DNA_binding * 4e-06 probable finger protein YOL054w - yeast (Saccharomyces cerevisiae) * 5e-22 contains similarity to C3HC4-class zinc finger eleg * 1e-06 peroxis [zf-C3HC4] CG13605 LD44641 95D10-95D10 dup:2/2 ID:103E3 + su11 transporter * metabolite transport protein(aa) * membrane transporter like protein(aa) * ERD6 protein(aa) * solute carrier family (facilitated glucose transporte[SUGRTRNSPORT // SUGAR_TRANSPORT_2 // su] CG8714 LD44652 44A4-44A4 dup:4/4 CG5422 + RNA_binding CG5422 dup:2/2 ID:103E5 + unknown * 7E-80* 4e-29 inserted at base Both 5' and 3' ends of P element Inverse PCR * [ATP_GTP_A] CG11104 LD44686 CG11104 12B8-12B8 dup:2/2 ID:103E6 + unknown * [NLS_BP // ANTIFREEZEI] CG7832 LD44696 88C10-88C10 dup:3/3 ID:103E7 + unknown * HYPOTHETICAL 37.2 KD PROTEIN C12C2.09C IN CHROMOSOME II(aa) * 1e-19 hypothetical protein CG7530 YDR492w - yeast (Saccharomyces cerevisiae) (0 * 5e-26 C43G2 CG7530 LD44720 88D2-88D2 dup:3/3 ID:103E8 + Rab8 cell_cycle_regulator * Rab8 * rab8(aa) * rab1(aa) * 4e-55 SEC4_YEAST RAS-RELATED PROTEIN SEC4 GTP-binding protein SE [SIGMA54_INTERACT_1 // PRENYLATION // ra] CG8287 LD44762 76D5-76D5 ID:103F1 + unknown * 5e-08 No definition line found * 5e-16 PSD-95/SAP90-associated protein-2 * 1e-16 PSD-95 binding protein * 1e-	CG0018	- · · · · · · · · · · · · · · · · · · ·
CG8621 complex repeat CR sarcoma-associated herpesv CG8621 LD44526 65E6-65E6 dup:2/2 ID:103D6	CG3010	
+ unknown * 4e-14 YZG1_CAEEL HYPOTHETICAL 28.7 KD PROTEIN F13E6.1 IN CHROMOSOME X * 1e-13 D52 * 7e-20 tumor protein D52-like hD54+ins2 isoform * 3e-14 CSPP28 CG5174 LD44733 55C11-55C11 dup:3/3 ID:103E10 + unknown * F1N21.18(aa) * HYPOTHETICAL 51.8 KD PROTEIN ZK632.11 IN CHROMOSOME III(aa) * * [ZF_CCHC // CG4622 PRO_RICH // zf-CCHC // NLS_B] CG4622 LD44757 60D5-60D5 dup:3/3 ID:103E12 + DNA_binding * 4e-06 probable finger protein YOL054w - yeast (Saccharomyces cerevisiae) * 5e-22 contains similarity to C3HC4-class zinc finger eleg * 1e-06 peroxis [zf-C3HC4] CG13605 LD44641 95D10-95D10 dup:2/2 ID:103E3 + sut1 transporter * metabolite transport protein(aa) * membrane transporter like protein(aa) * ERD6 protein(aa) * solute carrier family (facilitated glucose transporte[SUGRTRNSPORT // SUGAR_TRANSPORT_2 // su] CG8714 LD44652 44A4-44A4 dup:4/4 ID:103E4	CG9621	
tumor protein D52-like hD54+ins2 isoform * 3e-14 CSPP28 CG5174 LD44733 55C11-55C11 dup:3/3 ID:103E10 + unknown * F1N21.18(aa) * HYPOTHETICAL 51.8 KD PROTEIN ZK632.11 IN CHROMOSOME III(aa) * * [ZF_CCHC // CG4622 PRO_RICH // zf-CCHC // NLS_B] CG4622 LD44757 60D5-60D5 dup:3/3 ID:103E12 + DNA_binding * 4e-06 probable finger protein YOL054w - yeast (Saccharomyces cerevisiae) * 5e-22 contains similarity to C3HC4-class zinc finger eleg * 1e-06 peroxis [zf-C3HC4] CG13605 LD44641 95D10-95D10 dup:2/2 ID:103E3 + sut1 transporter * metabolite transport protein(aa) * membrane transporter like protein(aa) * ERD6 protein(aa) * solute carrier family (facilitated glucose transporte[SUGRTRNSPORT // SUGAR_TRANSPORT_2 // su] CG8714 LD44652 44A4-44A4 dup:4/4 ID:103E4 CG5422 + RNA_binding CG5422 dup:2/2 ID:103E5 + unknown * 7E-80* 4e-29 inserted at base Both 5' and 3' ends of P element Inverse PCR * [ATP_GTP_A] CG11104 LD44686 CG11104 12B8-12B8 dup:2/2 ID:103E6 CG7832 + unknown * [NLS_BP // ANTIFREEZEI] CG7832 LD44696 88C10-88C10 dup:3/3 ID:103E7 + unknown * HYPOTHETICAL 37.2 KD PROTEIN C12C2.09C IN CHROMOSOME II(aa) * 1e-19 hypothetical protein YDR492w - yeast (Saccharomyces cerevisiae) (U * 5e-26 C43G2 CG7530 LD44720 88D2-88D2 dup:3/3 ID:103E8 + Rab8 cell_cycle_regulator * Rab8 * rab8(aa) * rab1(aa) * 4e-55 SEC4_YEAST RAS-RELATED PROTEIN SEC4 GTP-binding protein SE [SIGMA54_INTERACT_1 // PRENYLATION // ra] CG8287 LD44762 76D5-76D5 ID:103F1 + unknown * 5e-08 No definition line found * 5e-16 PSD-95/SAP90-associated protein-2 * 1e-16 PSD-95 binding protein * 1e-	CG0021	
+ unknown * F1N21.18(aa) * HYPOTHETICAL 51.8 KD PROTEIN ZK632.11 IN CHROMOSOME III(aa) * * [ZF_CCHC // CG4622 PRO_RICH // zf-CCHC // NLS_B] CG4622 LD44757 60D5-60D5 dup:3/3 ID:103E12 + DNA_binding * 4e-06 probable finger protein YOL054w - yeast (Saccharomyces cerevisiae) * 5e-22 contains similarity to C3HC4-class zinc finger eleg * 1e-06 peroxis [zf-C3HC4] CG13605 LD44641 95D10-95D10 dup:2/2 ID:103E3 + sut1 transporter * metabolite transport protein(aa) * membrane transporter like protein(aa) * ERD6 protein(aa) * solute carrier family (facilitated glucose transporte[SUGRTRNSPORT // SUGAR_TRANSPORT_2 // su] CG8714 LD44652 44A4-44A4 dup:4/4 ID:103E4 CG5422	005474	
PRO_RICH // zf-CCHC // NLS_B] CG4622 LD44757 60D5-60D5 dup:3/3 ID:103E12 + DNA_binding * 4e-06 probable finger protein YOL054w - yeast (Saccharomyces cerevisiae) * 5e-22 contains similarity to C3HC4-class zinc finger eleg * 1e-06 peroxis [zf-C3HC4] CG13605 LD44641 95D10-95D10 dup:2/2 ID:103E3 + sut1 transporter * metabolite transport protein(aa) * membrane transporter like protein(aa) * ERD6 protein(aa) * solute carrier family (facilitated glucose transporte[SUGRTRNSPORT // SUGAR_TRANSPORT_2 // su] CG8714 LD44652 44A4-44A4 dup:4/4 ID:103E4 CG5422 + RNA_binding CG5422 dup:2/2 ID:103E5 + unknown * 7E-80* 4e-29 inserted at base Both 5' and 3' ends of P element Inverse PCR * [ATP_GTP_A] CG11104 LD44686 CG11104 12B8-12B8 dup:2/2 ID:103E6 CG7832 + unknown * [NLS_BP // ANTIFREEZEI] CG7832 LD44696 88C10-88C10 dup:3/3 ID:103E7 + unknown * HYPOTHETICAL 37.2 KD PROTEIN C12C2.09C IN CHROMOSOME II(aa) * 1e-19 hypothetical protein CG7530 YDR492w - yeast (Saccharomyces cerevisiae) (U * 5e-26 C43G2 CG7530 LD44720 88D2-88D2 dup:3/3 ID:103E8 + 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 + unknown * 5e-08 No definition line found * 5e-16 PSD-95/SAP90-associated protein-2 * 1e-16 PSD-95 binding protein * 1e-	CG5174	
+ DNA_binding * 4e-06 probable finger protein YOL054w - yeast (Saccharomyces cerevisiae) * 5e-22 contains similarity to C3HC4-class zinc finger eleg * 1e-06 peroxis [zf-C3HC4] CG13605 LD44641 95D10-95D10 dup:2/2 ID:103E3 + sut1 transporter * metabolite transport protein(aa) * membrane transporter like protein(aa) * ERD6 protein(aa) * solute carrier family (facilitated glucose transporte[SUGRTRNSPORT // SUGAR_TRANSPORT_2 // su] CG8714 LD44652 44A4-44A4 dup:4/4 ID:103E4 CG5422		
CG13605 C3HC4-class zinc finger eleg * 1e-06 peroxis [zf-C3HC4] CG13605 LD44641 95D10-95D10 dup:2/2 ID:103E3 + sut1 transporter * metabolite transport protein(aa) * membrane transporter like protein(aa) * ERD6 protein(aa) * solute carrier family (facilitated glucose transporte[SUGRTRNSPORT // SUGAR_TRANSPORT_2 // su] CG8714 LD44652 44A4-44A4 dup:4/4 CG8714 ID:103E4 CG5422 + RNA_binding CG5422 dup:2/2 ID:103E5 + unknown * 7E-80* 4e-29 inserted at base Both 5' and 3' ends of P element Inverse PCR * [ATP_GTP_A] CG11104 LD44686 CG11104 12B8-12B8 dup:2/2 ID:103E6 CG7832 + unknown * [NLS_BP // ANTIFREEZEI] CG7832 LD44696 88C10-88C10 dup:3/3 ID:103E7 + unknown * HYPOTHETICAL 37.2 KD PROTEIN C12C2.09C IN CHROMOSOME II(aa) * 1e-19 hypothetical protein CG7530 YDR492w - yeast (Saccharomyces cerevisiae) (U * 5e-26 C43G2 CG7530 LD44720 88D2-88D2 dup:3/3 ID:103E8 + 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 + unknown * 5e-08 No definition line found * 5e-16 PSD-95/SAP90-associated protein-2 * 1e-16 PSD-95 binding protein * 1e-	CG4622	
+ sut1 transporter * metabolite transport protein(aa) * membrane transporter like protein(aa) * ERD6 protein(aa) * solute carrier family (facilitated glucose transporte[SUGRTRNSPORT // SUGAR_TRANSPORT_2 // su] CG8714 LD44652 44A4-44A4 dup:4/4 ID:103E4 CG5422 + RNA_binding CG5422 dup:2/2 ID:103E5		
family (facilitated glucose transporte[SUGRTRNSPORT // SUGAR_TRANSPORT_2 // su] CG8714 LD44652 44A4-44A4 dup:4/4 CG8714 CG5422 + RNA_binding CG5422 dup:2/2 ID:103E5 + unknown * 7E-80* 4e-29 inserted at base Both 5' and 3' ends of P element Inverse PCR * [ATP_GTP_A] CG11104 LD44686 CG11104 12B8-12B8 dup:2/2 ID:103E6 CG7832 + unknown * [NLS_BP // ANTIFREEZEI] CG7832 LD44696 88C10-88C10 dup:3/3 ID:103E7 + unknown * HYPOTHETICAL 37.2 KD PROTEIN C12C2.09C IN CHROMOSOME II(aa) * 1e-19 hypothetical protein CG7530 YDR492w - yeast (Saccharomyces cerevisiae) (U * 5e-26 C43G2 CG7530 LD44720 88D2-88D2 dup:3/3 ID:103E8 + 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 + unknown * 5e-08 No definition line found * 5e-16 PSD-95/SAP90-associated protein-2 * 1e-16 PSD-95 binding protein * 1e-	CG13605	C3HC4-class zinc finger eleg * 1e-06 peroxis [zf-C3HC4] CG13605 LD44641 95D10-95D10 dup:2/2 ID:103E3
CG8714 ID:103E4 CG5422 + RNA_binding CG5422 dup:2/2 ID:103E5 + unknown * 7E-80* 4e-29 inserted at base Both 5' and 3' ends of P element Inverse PCR * [ATP_GTP_A] CG11104 LD44686 CG11104 12B8-12B8 dup:2/2 ID:103E6 CG7832 + unknown * [NLS_BP // ANTIFREEZEI] CG7832 LD44696 88C10-88C10 dup:3/3 ID:103E7 + unknown * HYPOTHETICAL 37.2 KD PROTEIN C12C2.09C IN CHROMOSOME II(aa) * 1e-19 hypothetical protein CG7530 YDR492w - yeast (Saccharomyces cerevisiae) (U * 5e-26 C43G2 CG7530 LD44720 88D2-88D2 dup:3/3 ID:103E8 + 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 + unknown * 5e-08 No definition line found * 5e-16 PSD-95/SAP90-associated protein-2 * 1e-16 PSD-95 binding protein * 1e-		+ sut1 transporter * metabolite transport protein(aa) * membrane transporter like protein(aa) * ERD6 protein(aa) * solute carrier
+ RNA_binding CG5422 dup:2/2 ID:103E5 + unknown * 7E-80* 4e-29 inserted at base Both 5' and 3' ends of P element Inverse PCR * [ATP_GTP_A] CG11104 LD44686 CG11104 12B8-12B8 dup:2/2 ID:103E6 CG7832 + unknown * [NLS_BP // ANTIFREEZEI] CG7832 LD44696 88C10-88C10 dup:3/3 ID:103E7 + unknown * HYPOTHETICAL 37.2 KD PROTEIN C12C2.09C IN CHROMOSOME II(aa) * 1e-19 hypothetical protein CG7530 YDR492w - yeast (Saccharomyces cerevisiae) (U * 5e-26 C43G2 CG7530 LD44720 88D2-88D2 dup:3/3 ID:103E8 + 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 + unknown * 5e-08 No definition line found * 5e-16 PSD-95/SAP90-associated protein-2 * 1e-16 PSD-95 binding protein * 1e-		family (facilitated glucose transporte[SUGRTRNSPORT // SUGAR_TRANSPORT_2 // su] CG8714 LD44652 44A4-44A4 dup:4/4
+ unknown * 7E-80* 4e-29 inserted at base Both 5' and 3' ends of P element Inverse PCR * [ATP_GTP_A] CG11104 LD44686 CG11104 12B8-12B8 dup:2/2 ID:103E6 CG7832 + unknown * [NLS_BP // ANTIFREEZEI] CG7832 LD44696 88C10-88C10 dup:3/3 ID:103E7 + unknown * HYPOTHETICAL 37.2 KD PROTEIN C12C2.09C IN CHROMOSOME II(aa) * 1e-19 hypothetical protein CG7530 YDR492w - yeast (Saccharomyces cerevisiae) (U * 5e-26 C43G2 CG7530 LD44720 88D2-88D2 dup:3/3 ID:103E8 + 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 + unknown * 5e-08 No definition line found * 5e-16 PSD-95/SAP90-associated protein-2 * 1e-16 PSD-95 binding protein * 1e-	CG8714	ID:103E4
+ unknown * 7E-80* 4e-29 inserted at base Both 5' and 3' ends of P element Inverse PCR * [ATP_GTP_A] CG11104 LD44686 CG11104 12B8-12B8 dup:2/2 ID:103E6 CG7832 + unknown * [NLS_BP // ANTIFREEZEI] CG7832 LD44696 88C10-88C10 dup:3/3 ID:103E7 + unknown * HYPOTHETICAL 37.2 KD PROTEIN C12C2.09C IN CHROMOSOME II(aa) * 1e-19 hypothetical protein CG7530 YDR492w - yeast (Saccharomyces cerevisiae) (U * 5e-26 C43G2 CG7530 LD44720 88D2-88D2 dup:3/3 ID:103E8 + 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 + unknown * 5e-08 No definition line found * 5e-16 PSD-95/SAP90-associated protein-2 * 1e-16 PSD-95 binding protein * 1e-	CG5422	+ RNA binding CG5422 dup:2/2 ID:103E5
CG11104 12B8-12B8 dup:2/2 ID:103E6 CG7832 + unknown * [NLS_BP // ANTIFREEZEI] CG7832 LD44696 88C10-88C10 dup:3/3 ID:103E7 + unknown * HYPOTHETICAL 37.2 KD PROTEIN C12C2.09C IN CHROMOSOME II(aa) * 1e-19 hypothetical protein CG7530 YDR492w - yeast (Saccharomyces cerevisiae) (U * 5e-26 C43G2 CG7530 LD44720 88D2-88D2 dup:3/3 ID:103E8 + 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 + unknown * 5e-08 No definition line found * 5e-16 PSD-95/SAP90-associated protein-2 * 1e-16 PSD-95 binding protein * 1e-		
+ unknown * [NLS_BP // ANTIFREEZEI] CG7832 LD44696 88C10-88C10 dup:3/3 ID:103E7 + unknown * HYPOTHETICAL 37.2 KD PROTEIN C12C2.09C IN CHROMOSOME II(aa) * 1e-19 hypothetical protein CG7530 YDR492w - yeast (Saccharomyces cerevisiae) (U * 5e-26 C43G2 CG7530 LD44720 88D2-88D2 dup:3/3 ID:103E8 + 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 + unknown * 5e-08 No definition line found * 5e-16 PSD-95/SAP90-associated protein-2 * 1e-16 PSD-95 binding protein * 1e-	CG11104	
+ unknown * HYPOTHETICAL 37.2 KD PROTEIN C12C2.09C IN CHROMOSOME II(aa) * 1e-19 hypothetical protein CG7530 YDR492w - yeast (Saccharomyces cerevisiae) (U * 5e-26 C43G2 CG7530 LD44720 88D2-88D2 dup:3/3 ID:103E8 + 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 + unknown * 5e-08 No definition line found * 5e-16 PSD-95/SAP90-associated protein-2 * 1e-16 PSD-95 binding protein * 1e-		·
CG7530 YDR492w - yeast (Saccharomyces cerevisiae) (U * 5e-26 C43G2 CG7530 LD44720 88D2-88D2 dup:3/3 ID:103E8 + Rab8 cell_cycle_regulator * Rab8 * rab8(aa) * rab1(aa) * 4e-55 SEC4_YEAST RAS-RELATED PROTEIN SEC4 GTP-binding protein SE [SIGMA54_INTERACT_1 // PRENYLATION // ra] CG8287 LD44762 76D5-76D5 ID:103F1 + unknown * 5e-08 No definition line found * 5e-16 PSD-95/SAP90-associated protein-2 * 1e-16 PSD-95 binding protein * 1e-	007002	
+ Rab8 cell_cycle_regulator * Rab8 * rab8(aa) * rab1(aa) * 4e-55 SEC4_YEAST RAS-RELATED PROTEIN SEC4 GTP-binding protein SE [SIGMA54_INTERACT_1 // PRENYLATION // ra] CG8287 LD44762 76D5-76D5 ID:103F1 + unknown * 5e-08 No definition line found * 5e-16 PSD-95/SAP90-associated protein-2 * 1e-16 PSD-95 binding protein * 1e-	CC7520	
CG8287 protein SE [SIGMA54_INTERACT_1 // PRENYLATION // ra] CG8287 LD44762 76D5-76D5 ID:103F1 + unknown * 5e-08 No definition line found * 5e-16 PSD-95/SAP90-associated protein-2 * 1e-16 PSD-95 binding protein * 1e-	CG7550	
+ unknown * 5e-08 No definition line found * 5e-16 PSD-95/SAP90-associated protein-2 * 1e-16 PSD-95 binding protein * 1e-	000007	
	CG8287	
CG8390 171 inserted at base Unknown 5' end of [NLS_BP] CG8390 LD44824 41E5-41E5 ID:103F11		
	CG8390	
+ 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	CG3767	
CG17260 + nucleic_acid_binding * [ZF_RING] CG17260 LD44813 23C5-23C5 ID:103F8	CG17260	+ nucleic_acid_binding * [ZF_RING] CG17260 LD44813 23C5-23C5 ID:103F8
+ unknown * BLASTX 4.0E-27 YER156C Protein of unknown function(dna) * HYPOTHETICAL 38.2 KD PROTEIN IN BEM2-		+ unknown * BLASTX 4.0E-27 YER156C Protein of unknown function(dna) * HYPOTHETICAL 38.2 KD PROTEIN IN BEM2-
CG11980 NCB1 INTERGENIC REGION(aa) * 6e-60 similar to Yeast h CG11980 LD44814 85C3-85C3 dup:2/2 ID:103F9	CG11980	

CG7347	 motor_protein * 8e-05 myosin heavy chain * * [PRO_RICH] CG7347 LD44887 75B10-75B10 ID:103G1 unknown * F46F11.8 gene product(aa) * Yol093wp(aa) * unknown(aa) * 3e-13 hypothetical protein YOL093w - yeast
CG5190	(Saccharomyces cerevisiae) [NLS BP] CG5190 LD44982 55C13-55D ID:103G10
	+ 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
	+ smid endopeptidase * DMSMMIN_2 smallminded * smallminded(aa) * 3e-68 AFG2_YEAST AFG2 PROTEIN valosin-containing
CG8571	protein homolo * smallminded [ENDOLAPTASE // AAA // ATP_GTP_A] CG8571 65F5-65F6 dup:2/2 ID:103G2
	+ unknown * weak similarity to rat cytosolic acyl coenzyme A thioester hydrolase * acyl-CoA thioesterase(aa) * contains weak
CG1635	similarity to rat cytosolic acyl CG1635 LD44914 100D2-100D2 ID:103G3
	+ Msr-110 unknown * Msr-110 * Msr-110=EN protein binding gene/engrailed nuclear homeoprotein-regula * * CG10596 LD44960
CG10596	64E-64E dup:1/3 ID:103G6
	+ enzyme * hypothetical protein(aa) * 3e-93 SUCB_YEAST PROBABLE SUCCINYL-COA LIGASE (GDP-FORMING), BETA-
	CHAIN PRECURSOR (SU * 1e-134 SCB2_CAEEL PROBABLE SUCCI [SUCCINYL_COA_LIG_3 // ligase-CoA] CG10622 LD44970
CG10622	64E-64E ID:103G7
000400	+ unknown * NY-REN-2 antigen(aa) * 1e-27 hypothetical protein YDR374c - yeast (Saccharomyces cerevisiae) (U * 9E-49*
CG6422	Similarity to A. thaliana gene product F21M [PRO_RICH] CG6422 LD44979 96B14-96B15 ID:103G8
	+ rdgBbetatransporter * PHOSPHATIDYLINOSITOL TRANSFER PROTEIN BETA ISOFORM (PTDINS TRANSFER PROTEIN
0047040	BETA) (PTDINSTP) (PI-TP-BETA)(aa) * BLASTX 3.1E-49 M.musculus mRNA for D [PITRANSFER] CG17818 LD44980 54E3-54E3
CG17818	ID:103G9
CG6912	+ unknown * CG6912 LD45181 88E4-88E4 ID:103H11
004040	+ unknown * 7e-07 hypothetical protein YOR295w - yeast (Saccharomyces cerevisiae) * 9e-09 weak similarity to D.
CG1240	melanogaster salivary gland-specific protein (PI [TUBULIN // NLS_BP] CG1240 LD45195 63A1-63A1 dup:2/2 ID:103H12 + cell_cycle_regulator * hypothetical protein(aa) * 8e-23 hypothetical protein YLR127c - yeast (Saccharomyces cerevisiae) *
CG3060	3e-05 LI19_DROME LIN-19 HOMOLOG PROTEIN lin19 pro [CULLIN_2] CG3060 60A14-60A14 dup:2/3 ID:103H3
CG3000	+ enzyme * protein(aa) * 3e-07 FMS1_YEAST FMS1 PROTEIN FMS1 protein - yeast (Saccharom * 6e-12 Cs protein
CG17149	[ADXRDTASE // NAD_BINDING] CG17149 LD45081 77A4-77A4 ID:103H4
0017143	+ 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
00000	+ receptor * 1e-07 weak similarity with quinone oxidoreductase; cDNA EST * 2e-12 CGRP-receptor component protein; CGRP-
CG4875	RCP * 1e-13 CGRP-receptor component protei CG4875 LD45115 15B1-15B1 ID:103H8
	+ RNA_binding * spliceosome associated protein 145, SF3b subunit(aa) * spliceosome associated protein-like(aa) * BLASTX
CG3605	7.8E-75 Human spliceosome associated protei [NLS_BP] CG3605 LD45152 23C4-23C4 ID:103H9
	+ SPT6 structural_protein * 3e-79 SPT6_YEAST TRANSCRIPTION INITIATION PROTEIN SPT6 SPT6 pro * EMB5_CAEEL
CG12225	EMB-5 PROTEIN emb-5 protein - Caenorhabditis e * Supt6h * similar to e [S1] CG12225 LD45251 5E1-5E1 dup:3/5 ID:104A10
CG5739	+ unknown * [NLS BP] CG5739 LD45253 31B2-31B2 ID:104A11
	• - •

CG17686	+ DIP1 RNA_binding * [NLS_BP // DSRBD] CG17686 LD45242 cyto_unknown dup:1/2 ID:104A6
CG5916	 unknown * short of similarity to human transforming protein (tre) * similar to human (TRE) transforming protein * Ypl249cp(aa) * pollux(aa) [TBC // RAB_GAP] CG5916 LD45246 89B9-89B9 ID:104A9
CG17469	+ unknown * 1E-123* * CG17469 LD45277 102E2-102E3 dup:2/2 ID:104B4
0017100	+ endopeptidase * energy-dependent regulator of proteolysis(aa) * 9e-61 YB77_YEAST HYPOTHETICAL 57.9 KD PROTEIN
	IN PDB1-ABD1 INTERGENIC REGION * 1e-104 Similarity to [AAA // ATP GTP A] CG4538 LD45279 92B9-92B9 dup:3/3
CG4538	ID:104B5
	+ EG:34F3.8 transporter * /match=(desc:; /match=(de
CG7359	/match=(desc:; /match=(desc:; /match=(desc:; /mot [SYNAPTOBREVN // synaptobrevin] CG7359 LD45288 1C2-1C2 ID:104B6
	+ snf RNA binding * DMD25SNRN 2 snf * U1 SMALL NUCLEAR RIBONUCLEOPROTEIN A (U1 SNRNP A PROTEIN) (SEX
	DETERMINATION PROTEIN SNF)(aa) * 3e-05 YIS9_YEAST HYPOTHETICAL 12.8 [RNP_1 // RBD // rrm] CG4528 LD45302 4F1-
CG4528	4F2 dup:3/3 ID:104B7
CG10825	+ unknown * [NLS_BP] CG10825 LD45317 95F1-95F1 ID:104B8
	+ unknown * fruit fly STS clone T7(dna) * PUTATIVE PEROXISOMAL ANTIOXIDANT ENZYME (LIVER TISSUE 2D-PAGE
CG7217	SPOT 71B)(aa) * PEROXISOMAL MEMBRANE PROTEIN PMP20(aa) * [AhpC-TSA] CG7217 LD45324 90E-90E dup:2/2 ID:104B9
	+ 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
	+ ion_channel * HISTIDINE-RICH GLYCOPROTEIN PRECURSOR(aa) * histidine-rich protein - Plasmodium lophurae
CG9411	(fragment) hi * [PRO_RICH] CG9411 LD45449 12E8-12E8 ID:104C11
0044000	+ neur DNA_binding * finger protein neuralized - fruit fly (Drosophila melanogaster)(aa) * DMC3HC4ZF_2 neur * 3e-89 coded for
CG11988	by C. elegans cDNA yk27g3.5; coded for by C [zf-C3HC4 // ZF_RING] CG11988 LD45505 85C4-85C5 dup:1/2 ID:104C12 + 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
CG0033	+ 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
001000	+ * 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
	+ 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
CG1780	+ Idgf4 signal_transduction imaginal disc growth factor 4 Glyco_hydro_18 CG1780 ID:104D10
	+ 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 LD45535
CG4656	94E-94E dup:2/2 ID:104D3
CG13425	+ bl RNA_binding * hnRNP-K protein(aa) * 1e-05 YB83_YEAST HYPOTHETICAL 45.8 KD PROTEIN IN PCS60-ABD1

	INTERGENIC REGION * 4e-05 unknown * 9e-32 coded for by C. elegans CG13425 LD45549 57B1-57B1 dup:2/2 ID:104D5
CG18638	+ CG18638 36A7-36A7 ID:104D7
	+ unknown * nucleic acid binding protein(aa) * cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST
CG18426	yk414e4.3 comes from this gene; cDNA EST CG18426 LD45577 60A4-60A5 ID:104D9
004-00-	+ 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
CG4619	+ unknown * CG4619 LD45607 30F1-30F1 dup:2/2 ID:104E4
	+ up ligand_binding_or_carrier * DMTROPT_2 up * clot.789(dna)* 1e-112 troponin T - fruit fly (Drosophila melanogaster) * 4e-28
CG7107	TRT_CAEEL TROPONIN T coded for by C. elegans cDNA yk7 [Troponin // NLS_BP] CG7107 LD45641 12A2-12A4 dup:2/2
	ID:104E5
CG11456	+ CG11456 dup:2/2 ID:104E6
CG1591	+ endopeptidase * autoantigen(aa) * 1e-67 Ki antigen PA2 * 3e-65 Ki nuclear autoantigen - human Ki nuclear autoantigen * IGUP_HUMAN INTERFERON GAMMA UP-REGULATED PR CG1591 LD45860 11D10-11D10 dup:2/2 ID:104F11
CG1591	+ motor_protein * symplekin(aa) * 6e-19 contains weak similarity to human microtubule-vesicle linker CL * symplekin * BLASTX
CG2097	1.6E-16 Human symplekin mRNA, partial cds [NLS BP] CG2097 LD45768 83C1-83C1 ID:104F6
002007	+ unknown * partner of Ral-binding protein 1(aa) * 3e-09 PAN1_YEAST PAN1 PROTEIN poly(A)-specific ribonuclease (EC *
CG6192	6e-06 PAST-1 * 3e-05 contain EF-hand-like c [EPS // PRO_RICH // EF_HAND_2] CG6192 LD45769 32D3-32D4 ID:104F7
	+ 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 * 1e-45 ESTs and come from this gene. th * unknown * BIOC_SERMA BIOTIN SYNTHESIS PROTEIN BIOC the p *
CG8067	CG8067 LD45826 50C22-50C23 ID:104F9
	+ enzyme * 1e-07 BET4_YEAST TYPE II PROTEINS GERANYLGERANYLTRANSFERASE ALPHA SUBUNIT (TYPE II PRO *
CG3073	9e-11 similar to the protein prenyltransferase alpha subuni [PPTA] CG3073 LD45906 2F1-2F1 ID:104G2
	+ unknown * forkhead (Drosophila) homolog (rhabdomyosarcoma)(aa) * forkhead protein FKHR(aa) * myeloid/lymphoid or
000440	mixed-lineage leukemia (trithorax (Drosophila [Fork_head // FORKHEAD // FORK_HEAD_3] CG3143 LD45950 88A8-88A9
CG3143	ID:104G8 + enzyme * CHOLINEPHOSPHATE CYTIDYLYLTRANSFERASE (PHOSPHORYLCHOLINE TRANSFERASE) (CT)(aa) *
	phosphate cytidylyltransferase 1, choline, alpha isoform(aa) * 2e-5 [TONB_DEPENDENT_REC_1 // Cytidylyltransf] CG1049
CG1049	LD46058 62A6-62A6 dup:2/2 ID:104H10
001010	+ enzyme * BLASTX 7.5E-52 FUM1 Fumarate hydratase (fumarase) (mitochondrial and cytoplasmic), converts L-malate to
	fumarate as part of the TCA cycle(dna) * fum [DCRYSTALLIN // FUMRATELYASE // FUMARATE] CG4094 LD46083 6C7-6C7
CG4094	ID:104H12
	+ 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
CG7108	ID:104H2
	+ transporter * cystic fibrosis transmembrane conductance regulator(aa) * DMMDR49_2 Mdr49 * canalicular multispecific
CG7627	organic anion transporter (ABC superfamily)(a[ATP_GTP_A2 // ABC_TRANSPORTER // ABC_tr] CG7627 LD46040 29B2-29B2

dup:2/4 ID:104H4

+ ash2 transcription_factor * ash2 * trithorax protein ASH2 * 6e-83 Y17G7B.2a * 1e-134 similar to Drosophila ash2

CG6677 [SPRY_DOMAIN // NLS_BP] CG6677 LD46053 96A17-96A17 ID:104H8

CG10916 + unknown * CG10916 LD46221 55B9-55B9 dup:2/2 ID:105A10

+ BG:DS00004.12 unknown * hypothetical 23.1kd-like protein(aa) * 2e-17 YBF7_YEAST HYPOTHETICAL 23.1 KD PROTEIN IN

CG1307 SHP1-PTC3 INTERGENIC REGION * 9e-15 No definition line found CG1307 LD46144 84C4-84C4 ID:105A4

+ unknown * farnesoic acid o-methyltransferase(aa) * 2e-21 farnesoic acid o-methyltransferase farne * CG10527 LD46156 57B20-57B20 ID:105A6

CG10527 57B20-57B20 ID:105A6

+ DNA_binding * 2e-19 blastopia polyprotein - fruit fly (Drosophila melanogaster) * 4e-53 neural plakophilin related arm-repeat CG17484 protein * 1e-56 neural plakophilin-r [ARM REPEAT // Armadillo seg] CG17484 41A1-41A1 dup:1/2 ID:105A8

+ alien endopeptidase * COP9 complex homolog subunit DCH2(aa) * alien * COP9 complex subunit 2(aa) * thyroid receptor

CG9556 interacting protein 15(aa) CG9556 LD46201 29F8-29F8 ID:105A9

CG4949 + unknown * [ATP_GTP_A] CG4949 LD46305 15D1-15D1 ID:105B10

+ transporter * atopy related autoantigen CALC(aa) * 4e-27 predicted using Genefinder; similar to EF hand (2 domains) * 2e-91

CG4495 atopy related autoantigen CALC * 2e-40 [EF_HAND // efhand // EF_HAND_2] CG4495 LD46238 27E3-27E3 ID:105B3

+ nucleic_acid_binding * 3e-05 YNN6_YEAST HYPOTHETICAL 49.4 KD PROTEIN IN NAM9-FPR1 INTERGENIC REGION * 2e-06 RU17_DROME U1 SMALL NUCLEAR RIBONUCLEOPROTEIN KD (U1 SNRNP KD) [PRO_RICH // NLS_BP] CG5146

CG5146 LD46256 64E-64E ID:105B4

+ 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

CG4617 + DNA_binding * hypothetical protein(aa) * 5e-16 HMGBCG protein * * [HMG] CG4617 LD46272 6F5-6F5 ID:105B7

+ 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

CG5726 + unknown * CG5726 LD46389 55B9-55B9 ID:105C10

CG16753 + unknown * [NLS BP] CG16753 LD46404 63B5-63B5 dup:1/2 ID:105C12

+ 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

+ Sry-delta transcription_factor * DMSRYG1_25 Sry- dgr; * serendipity beta protein(aa) * 2e-13 contains similarity to multiple C2H2-type zince fingers (Pfam: zf-C2H2.hmm, sc * 2e-22 O [zf-C2H2 // ZINC_FINGER_C2H2_2] CG17958 LD46336 99D5-99D5

CG17958 ID:105C3

+ unknown * 5e-69 YG4W_YEAST HYPOTHETICAL 34.9 KD PROTEIN IN SMI1-PHO81 INTERGENIC REGION * 2e-29 L2CC_DROME L(2)37CC PROTEIN Cc protein - fruit fly (Drosop * 3 [PROHIBITIN // Band_7] CG15081 LD46344 55F2-55F2

CG15081 ID:105C4

+ xl6 RNA_binding * similar to pre-mRNA splicing factor like protein; cDNA EST comes from this gene; cDNA [RBD // ZF CCHC // rrm // zf-CCHC // NLS] CG10203 LD46359 27C-27C

ID:105C6

	ID:105C6
CG10473	+ unknown * 4e-41 protein * 1e-09 putative protein * coded for by C. elegans cDNA yk93e11.5; coded for by C. elegans cDNA yk103a11.5; * [NLS_BP] CG10473 LD46360 37B11-37B12 ID:105C7
	+ transcription_factor * zinc finger homeodomain enhancer-binding protein-1(aa) * BLASTX 1.9E-18 H.sapiens OZF mRNA.(dna) * transcription factor RREB-1(aa) * similar to Z[zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG3941 LD46363
CG3941	59E3-59E3 ID:105C9
CG6453	+ receptor * protein kinase C substrate 80K-H(aa) * similar to Human protein kinase C substrate, 80KD protein, heavy chain, SWISS-PROT Accession Number * similar [LDLRA_2 // ER_TARGET // EF_HAND] CG6453 LD46533 36C4-36C4 ID:105D11
CG18177	 unknown * CG18177 LD46538 67C-67C ID:105D12 SelD enzyme * SelD protein * 2e-93 similar to AIR synthase related proteins elegans * 1e-143 selenophosphate synthetase *
CG8553	1e-159 SELD_HUMAN SELENIDE,WATER DIKINAS [AIRS] CG8553 LD46437 50F-50F dup:1/2 ID:105D2
CG9890	 unknown * 2e-42 similar to Zinc finger, C2H2 type; cDNA EST comes from * 5e-53 inserted at base 5' end of P element Inverse PCR * [zf-C2H2 // ZINC_FINGER_C2H2_2] CG9890 LD46465 59C3-59C3 ID:105D4
	+ DNA_binding * Smarce1-related protein(aa) * 4e-05 ORF YBR089c-a * 0.00000000002* 5e-09 ribosomal transcription factor
CG9418	UBF2 - Chinese hamster [HMG // HMG_box // PRO_RICH // NLS_BP] CG9418 LD46483 57C3-57C3 ID:105D6
000504	+ 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
004050	(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	+ unknown * Weak similarity to Yeast hypothetical protein * 1e-32 Weak similarity to Yeast hypothetical protein * * [D111_DOMAIN // NLS_BP] CG10053 LD46678 84C7-84C7 dup:2/2 ID:105E12
0010000	+ transporter * nucleoporin Nup153 homolog(aa) * Ran/TC4-binding nucleopore protein(aa) * NUCLEAR PORE COMPLEX
	PROTEIN NUP153 (NUCLEOPORÍN NUP153) (153 KD NUCLEOPOR [zf-RanBP // ZF_RANBP] CG4453 LD46585 14F2-14F2
CG4453	dup:5/6 ID:105E3
	+ Cpr enzyme * NADPH-CYTOCHROME P450 REDUCTASE (CPR)(aa) * DMNCP450R_2 Cpr * NADPHferrihemoprotein
CG11567	reductase(aa) * 3e-92 NADPH-cytochrome P450 reductase precurso [oxidored_fad // FPNCR // FLAVODOXIN //] CG11567 LD46590 28C7-26C4 dup:4/4 ID:105E4
CG11507	+ 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
	+ unknown * predicted using Genefinder; cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST
CG12135	comes from this gene; cDNA EST comes from this g CG12135 LD46621 8D10-8D10 dup:2/2 ID:105E7
CG5877	+ unknown * CG5877 13B9-13B9 ID:105F1

	+ structural_protein * 6e-14 CUP7_DROME PUPAL CUTICLE PROTEIN EDG-78 PRECURSOR ecdyson * 2e-28
CG8505	CUD4_LOCMI ENDOCUTICLE STRUCTURAL GLYCOPROTEIN (ABD-4A) g * 7e-16 DMEDG78B_2 [CUTICLE // insect_cuticle] CG8505 49A3-49A3 ID:105F10
CG6505	+ Gdi signal_transduction * 1e-135 GDI1_YEAST SECRETORY PATHWAY GDP DISSOCIATION INHIBITOR G * GDP
	dissociation inhibitor - fruit fly (Drosophila melanogaster) * Guanine nucleo [RABGDIREP // RABGDI // GDI] CG4422 LD46767
CG4422	30B8-30B9 ID:105F11
	+ * cyclin G1 - human (fragment)(aa) * cyclin G2(aa) * cyclin G - rat(aa) * cyclin G2(aa) CG11525 100D2-100D2 dup:3/3
CG11525	ID:105F12
	+ chaperone * 2e-09 Similarity to Rat peroxisome assembly factor-1 (SW:PAF1_RAT) * 1e-33 peroxisome membrane protein
CG7081	PEX2 * 4e-32 peroxisomal membrane protein (35 [zf-C3HC4 // ZINC_FINGER_C3HC4 // ZF_RIN] CG7081 LD46714 66C8-66C8 dup:2/2 ID:105F3
CG7001	+ transcription_factor * 7e-06 MLP2_DROME MUSCLE LIM PROTEIN MLP84B muscle L * 2e-41 similar to LIM domain
	containing proteins (5 domains); cDNA EST yk * 1e-25 TES2_M[LIM_DOMAIN_1 // LIM // LIM_DOMAIN_2] CG11914 LD46723
CG11914	73D1-73D3 dup:2/2 lD:105F4
	+ 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
CG10385	+ msl-1 transcription_factor * MALE-SPECIFIC LETHAL-1 PROTEIN(aa) * DMMSL1A_2 msl-1 * DMMSL1A_2 msl-1 * male-specific lethal-1 protein - fruit fly (Drosophila melanogaster) CG10385 LD46729 37A4-37A4 dup:4/4 ID:105F6
CG 10365	+ Tim10 unknown * small zinc finger-like protein(aa) * small zinc finger-like protein(aa) * small zinc finger-like protein(aa) * 5e-10
CG9878	hypothetical protein YHR004c-a CG9878 LD46744 57F8-57F8 dup:2/2 ID:105F7
	+ 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
CG8253	+ unknown * unknown protein(aa) * 2e-21 R06C7.6 * 1e-32 unknown protein * CG8253 LD46868 52D2-52D2 ID:105G11
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 //] CG6092 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
CG7663	+ structural_protein CUTICLE PROTEIN AMP1B CUTICLE, insect_cuticle CG7663 LD46979 ID:105H11
	+ transporter * 3e-26 GLO3 * 4e-23 putative ARF1 GTPase activating protein * 1e-79 YQP4_CAEEL HYPOTHETICAL 127.4
	KD PROTEIN F07F6.4 IN CHROMOSOME III (* 3e-09 ADP- [ArfGap // ZF_GCS // REVINTRACTNG] CG6838 LD46935 79F2-
CG6838	79F2 ID:105H4
CG4813	+ unknown * [ZF_RING] CG4813 LD46938 96F3-96F3 ID:105H5
CG2691	+ unknown * protein(aa) * 3e-25 probable membrane protein YPL012w - yeast (Saccharomyces cerevisiae) * 7e-18 putative protein (fragment) * unknown [NLS BP] CG2691 LD46946 12A5-12A6 dup:4/4 ID:105H6
002001	protein (raginarity unknown [red_bi] 662091 Eb-6940 12A0-12A0 udp.4/4 ib.10010

+ I(3)mbt transcription_factor * tumor-supressor(aa) * DMMBT163 I(3)mbt * tumor-supressor * 2e-18 predicted using Genefinder;

	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
	DLG1_DROME LETHAL(1)DISCS LARGE-1 TUMOR SUPPRESSOR PROTE [PRO_RICH] CG7983 LD47023 67E5-67E5
CG7983	ID:106A2
	+ cytoskeletal_structural_protein * 1e-62 cell division cycle protein * 1e-178 SEP2_DROME SEPTIN septin * 3e-82 CDC10 *
	1e-148 SEP2_HUMAN SEPTIN HOMOLOG The gen [COPPER_BLUE // GTP_CDC // NLS_BP // ATP] CG2916 LD47044 43F7-
CG2916	43F7 dup:1/2 ID:106A3
	+ Actr13E cytoskeletal_structural_protein * DMARP_2 Actr13E * 2e-45 ACT_YEAST ACTIN actin - yeast (Saccharomyces
	cerevisiae) * ACTU_DROME ACTIN-LIKE PROTEIN 13E actin-related protein * 1e-70 [actin] CG11678 LD47054 13E15-13E16
CG11678	ID:106A4
	+ ribosomal_protein * ACIDIC RIBOSOMAL PROTEIN P0 HOMOLOG (L10E)(aa) * coded for by C. elegans cDNA
CG1381	CEESN26F; coded for by C. elegans cDNA CEESI89F; similar to 60S acidi [Ribosomal_L10] CG1381 LD47064 46E3-46E3
CG 1361	ID:106A5 + unknown * CGI-67 protein(aa) * Similarity to S. Pombe BEM1/BUD5 suppressor; cDNA EST comes from this gene; cDNA
CG11935	EST yk482d4.3 comes from this gene; cDNA EST y [ESTERASE] CG11935 LD47093 96B19-96B19 ID:106A6
0011933	+ 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_SER
CG16705	CG16705 LD47115 97D8-97D8 dup:1/2 ID:106A7
00.0700	+ Rpn7 endopeptidase * Subunit of the regulatory particle of the proteasome; Rpn7p(aa) * HYPOTHETICAL PROTEIN * 1e-66
CG5378	hypothetical protein YPR108w - yeast (Saccharomyces c [PCI_DOMAIN // PCI] CG5378 LD47143 94B3-94B3 ID:106A8
	+ unknown * clot.672(dna) * 7e-07 YEQ8_YEÁST HÝPOTHETICAL 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
00=044	+ enzyme * 3-hydroxyisobutyryl-coenzyme A hydrolase(aa) * 4e-37 YDAK_YEAST HYPOTHETICAL 56.3 KD PROTEIN IN
CG5044	ARO3-KRS1 INTERGENIC REGION * 5e-89 similar to enoy [ECH] CG5044 LD47223 88F1-88F1 ID:106B5
0040055	+ cell_adhesion * 6e-23 adenylate cyclase * 2e-24 flightless-I unkn * 1e-40 Ras-binding protein SUR-8 leuc * 3e-44 Ras-
CG10255	binding protein SUR-8 [LRR // LEURICHRPT // PDZ // NLS_BP] CG10255 LD47229 51D6-51D6 dup:1/2 ID:106B6 + endopeptidase * DMSTUBBLE 1 Sb * SERINE PROTEINASE STUBBLE (STUBBLE-STUBBLOID PROTEIN)(aa) * 2e-32
	similar to plasminogen and to trypsin-like serine proteases elega [trypsin // CHYMOTRYPSIN // TRYPSIN_SER] CG4386 LD47230
CG4386	58A2-58A2 ID:106B7
004300	+ enzyme * VITELLOGENIN II PRECURSOR (YOLK PROTEIN 2)(aa) * lipoprotein lipase precursor(aa) * Chain A,
	Triacylglycerol LipaseCOLIPASE COMPLEX(aa) * TRIACYLGL [TAGLIPASE // ESTERASE // lipase // LIPA] CG5966 LD47264
CG5966	5C10-5D1 ID:106B8

	+ chaperone * similar to chaperonins cpn60 and TCP-1 (Pfam: cpn60_TCP1.hmm, score: 416.20 and 102.94)(aa) *
CG8351	Component of Chaperonin Containing T-complex subunit s [TCP1_2 // TCP1_3 // TCOMPLEXTCP1 // CHA] CG8351 LD47396 85E9-85E9 ID:106C10
CGossi	+ 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
	+ Sema-2a unknown * semaphorin II precursor - fruit fly (Drosophila melanogaster)(aa) * semaphorin-like * semaphorin 2a
CG4700	precursor(aa) * DMDSEM_2 sema-I
CG3870	+ ligand_binding_or_carrier * Rab2 * BACR37P7.a(aa) * 5e-33 YP51_YEAST GTP-BINDING PROTEIN YPT51/VPS21 GTP-binding pr * 7e-28 rab1 [ras // ATP_GTP_A // RASTRNSFRMNG] CG3870 LD47384 59E-59E ID:106C7
CG3870 CG1103	+ unknown * CG1103 LD47387 82A6-82A6 ID:106C8
001103	+ Gbp signal_transduction * striatin, calmodulin-binding protein(aa) * WD-40-family-member * 3e-16 SFL2 gene poduct (AA 1-
	669) * 2e-19 transcription initiation factor IID-as[GPROTEINBRPT // WD40_REGION // WD_REPEA] CG5519 LD47390 55C13-
CG5519	55C13 ID:106C9
	+ enzyme * 3e-55 probable membrane protein YPR066w - yeast (Saccharomyces cerevisiae) * 3e-21 ubiquitin activating
0040040	enzyme * 1e-111 coded for by C. elegans cDNA [UBA_NAD // ThiF_family // NAD_BINDING /] CG13343 LD47462 50C14-50C14
CG13343	ID:106D10 + dah unknown * dystrobrevin(aa) * similar to the kDA Torpedo acetylcholine receptor-associated protein; similar to rat
CG6157	apodystrophin-3, PIR Accession Number * dah [ZF_ZZ // ZZ] CG6157 LD47411 13C1-13C1 ID:106D2
000.07	+ unknown * hypothetical protein(aa) * HSPC039 protein(aa) * 2e-11 LAS1_YEAST LAS1 PROTEIN LAS1 protein - yeast
CG6316	(Saccharomyc * CG6316 LD47413 70E1-70E1 ID:106D3
	+ 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
	+ RNA_binding * SP62_HUMAN; SAP 62; SF3A66(aa) * 1e-13 PR11_YEAST PRE-MRNA SPLICING FACTOR PRP11 PRP11 protein * 4e-94 Similarity to Human splicosome-associated pro [ZF_MATRIN // PRO_RICH] CG10754 LD47455 69E2-69E2 dup:2/2
CG10754	ID:106D8
	+ 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
007045	+ transcription_factor * 8e-33 cDNA EST yk416a1.3 comes from this gene; cDNA EST yk466h2.3 comes * 1e-13 hypothetical
CG7845	protein * [NLS_BP // WD40] CG7845 LD47540 42A5-42A6 dup:2/2 ID:106E12
CG7269	+ RNA_binding CG7269 dup:2/2 ID:106E3 + unknown * 2e-16 YKJ2 CAEEL HYPOTHETICAL 36.9 KD PROTEIN C02D5.2 IN CHROMOSOME III * 1e-05 INIP HUMAN
CG9796	GAMMA-INTERFERON-INDUCIBLE PROTEIN IP-30 PRECURSOR * 4e-1 CG9796 LD47508 87E10-87E10 dup:3/3 ID:106E4
CG12759	+ Dbp45A RNA_binding * DMDBP45A_18 Dbp45A * probable ATP-dependent RNA helicase Dbp45A - fruit fly (Drosophila
	1 = 2 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 =

	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
00.4505	+ chaperone * FK506-binding protein FKBP51(aa) * 6e-20 FKBP_YEAST FK506-BINDING PROTEIN (FKBP) (PEPTIDYL-PROLYL CIS-TRANS ISOMERASE) (P * 6e-24 FKB2_DROME KD FK50 [TPR_REGION // FKBP // FKBP_PPIASE_1 //] CG4535
CG4535	LD47530 30E1-30E1 dup:2/2 ID:106E9
000757	+ cell_cycle_regulator * sorting nexin 9(aa) * 2e-11 YJD6_YEAST HYPOTHETICAL 49.0 KD PROTEIN IN NSP1-KAR2 INTERGENIC REGION * 5e-74 similar to PhoX homologous domain, pres[PX // BEM_DOMAIN // SH3DOMAIN // SH3] CG6757
CG6757 CG8600	LD47602 67B13-67B13 ID:106F10 + unknown * CG8600 LD47606 65F2-65F2 ID:106F12
CG6600	 + unknown * CG8600 LD47606 65F2-65F2 ID:106F12 + peptidase * VITELLOGENIC CARBOXYPEPTIDASE PRECURSOR(aa) * Probable serine-type carboxypeptidase (EC
	3.4.16.1); Ybr139wp(aa) * Similarity to Human lysosomal pro [CARBOXYPEPT_SER_SER // CARBOXYPEPT_SER_] CG4572
CG4572	LD47549 92B6-92B6 ID:106F2
	+ signal_transduction * Ylr222cp(aa) * WD repeat protein(aa) * coatomer alpha subunit(aa) * BLASTX 2.6E-32
	YLR222C Protein of unknown function, has beta-transducin (WD-[GPROTEINBRPT // WD40_REGION // WD_REPEA] CG1671
CG1671	LD47550 46B13-46B14 ID:106F3
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
004005	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
001021	+ 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
CG14965	+ motor_protein * CG14965 LD47616 63B13-63B13 ID:106G2
CG14954	+ unknown * CG14954 LD47625 63F4-63F4 ID:106G4
	+ unknown * cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA
CG8399	EST comes from this gene; cDNA EST yk226e12.3 com CG8399 LD47639 52E1-52E3 dup:2/2 ID:106G6

	+ unknown * 3e-13 protein phosphatase 1, regulatory subunit FB19 prot * 7e-13 putative protein phosphatase nuclear targeting
CG4124	subunit * [NLS_BP] CG4124 LD47649 21E3-21D3 dup:1/3 ID:106G8
	+ unknown * 5e-14 /match=(desc: * 6e-43 weak similarity to drosophila tyrosine kinase ele * 5e-23 The gene is expressed
	ubiquitously.; The protein * 1e-20 caffe [PAP_ASSOCIATED // PAP_CORE // PAP // PR] CG15737 LD47659 10F5-10F6 dup:1/2
CG15737	ID:106G9
	+ transcription_factor * ovo * DMSPALTR_3 salr * 6e-29 GLAS_DROME GLASS PROTEIN finger protein glass - fruit fly [zf-
CG3281	C2H2 // ZINC_FINGER_C2H2 // HISTONE_] CG3281 LD47774 87A7-87A7 ID:106H11
CG11484	+ transcription_factor_binding * [UBA] CG11484 LD47780 102D1-102D3 ID:106H12
	+ unknown * cDNA EST comes from this gene; cDNA EST comes from this gene(aa) * huntingtin interacting protein HYPE(aa)
CG9523	* 9e-84 cDNA EST comes from this gene; c [TPR_REGION // TPR_REPEAT] CG9523 LD47713 26D3-26D3 ID:106H2
CG4768	+ 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
000040	+ unknown * 2e-09 YNY5_YEAST HYPOTHETICAL 20.4 KD PROTEIN IN RPA49-SUI1 INTERGENIC REGION * 2e-08 coded
CG2843	for by C. elegans cDNA yk127b8.5; coded for by C. elegan [NLS_BP] CG2843 LD47748 23A7-23A7 ID:106H9
CG10283	+ unknown * CG10283 LD47881 36F8-36F9 ID:107A11
	+ Cp1 endopeptidase * cysteine proteinase cysteine * 1e-99 predicted using Genefinder; similar to cathepsin-like protease; cD *
CG6692	1e-99 CATL_MOUSE CATHEPSIN L PRECURSOR (MA [THIOL_PROTEASE_CYS // PAPAIN // Peptida] CG6692 50C20-50C20
CG0092	dup:2/3 ID:107A7 + cin unknown * BACR37P7.g(aa) * MOLYBDENUM COFACTOR SYNTHESIS PROTEIN CINNAMON(aa) * DMCOFACTO_2
	cin * 3e-05 hypothetical protein YMR244c-a - yeast (Saccharomyces [MOCF_BIOSYNTHESIS_1 // MOCF_BIOSYNTHESI]
CG2945	CG2945 LD47852 1A5-1A5 dup:1/3 ID:107A8
002040	+ unknown * Similar to a C.elegans protein encoded in cosmid C27F2 * RW1 protein(aa) * 3e-57 coded for by C. elegans
CG8370	cDNA yk86c6.3; coded for by C. elegans cDNA [NLS_BP] CG8370 LD47858 52E1-52E1 dup:2/2 ID:107A9
CG18543	+ unknown * CG18543 LD47919 66C12-66C12 ID:107B1
0010010	+ 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
	+ transcription_factor * ZINC FINGER PROTEIN GLI1 (GLI-1)(aa) * PAIR-RULE PROTEIN ODD-PAIRED(aa) * hGLI2(aa) *
	cubitus interruptus dominant protein(aa) [zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG4677 LD47926 94D10-94D10 dup:2/3
CG4677	ID:107B3
	+ 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
	+ enzyme * 1e-19 FAT2_YEAST PEROXISOMAL-COENZYME A SYNTHETASE probable AMP * 3e-11 acetyl-CoA
CG5568	synthetase - fruit fly (Drosophila melanogaster) * 9e-40 similar [AMP-binding] CG5568 LD47944 64F3-64F3 ID:107B6
CG9646	+ unknown * No definition line found(aa) * protein(aa) * No definition line found * [NLS_BP] CG9646 LD47968 53F4-53F5

ID:107B7

	ID.107B7
	+ unknown * Kelch-repeat protein, similar to Kel1 and Kel2; Kel3p(aa) * 2e-32 hypothetical protein YPL263c - yeast
CG4069	(Saccharomyces cerevisiae) * 9e-06 host cell [NLS_BP] CG4069 LD47970 69C4-69C4 ID:107B8
	+ unknown * 5e-17 probable membrane protein YLR418c - yeast (Saccharomyces cerevisiae) * 1e-10 unknown conserved
CG11990	
00000	+ unknown * 5e-20 YNZ5_YEAST HYPOTHETICAL 17.1 KD PROTEIN IN SIP3-MRPL30 INTERGENIC REGION * 3e-12 RNA
CG3800	helicase * 2e-25 cellular nucleic acid binding protein cl [ZF_CCHC // zf-CCHC] CG3800 LD48005 59B6-59B6 ID:107C1
	+ transcription_factor * 4e-91 putative zinc finger protein * 8e-13 similar to Zinc finger, C2H2 type (4 domains); cDNA EST * 4e-
CC1602	27 MFG2_MOUSE ZINC FINGER PROTEIN MFG-2 z[zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG1602 LD48073 43D3-43D3
CG1602	ID:107C11 + 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	ID:107C3
001200	+ 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
	+ 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
	+ peptidase * pdb 1AYE Human Procarboxypeptidase A2(aa) * CARBOXYPEPTIDASE B(aa) * 3e-37 YHT2_YEAST
	HYPOTHETICAL 49.8 KD PROTEIN IN ACT3-YCK1 INTERGENIC REGION [CARBOXYPEPT_ZN_1 // CRBOXYPTASEA // Zn_]
CG3108	CG3108 LP01044 5B6-5B8 ID:107D1
	+ shg cell_adhesion * DMDACHSOU_2 ds * EPITHELIAL-CADHERIN PRECURSOR (E-CADHERIN) (LIVER CELL ADHESION
000700	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
CG8062	+ BcDNA:LD28120 transporter * similar to the monocarboxylate transporter family(aa) * Yol119cp(aa) * contains similarity to monocarboxylate transporters(aa) * MONOCARBOXYLATE TRA CG8062 LP01259 18C2-18C2 dup:3/5 ID:107D11
CG8002 CG13594	
CG13392	
CG 12231	' + unknown * 8e-24 putative phosphatase * * CG12237 LP01149 18D10-18D10 ID:107D4 + unknown * Ypr147cp(aa) * 1e-11 probable membrane protein YPR147c - yeast (Saccharomyces cerevisiae) * 1e-20
CG9186	predicted using Genefinder; Similarity to C.elegan [ESTERASE // LIPASE_SER] CG9186 LP01162 62B4-62B4 dup:2/2 ID:107D5
000100	+ 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	
00.2.0	+ 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
	+ enzyme * ribulose-1,5-bisphosphate carboxylase/oxygenase N-methyltransferase(aa) * ribulose-1,5-bisphosphate
CG3042	carboxylase/oxygenase small subunit N-methyltra CG3042 LP01222 6E3-6E3 ID:107D9
CG18140	+ Cht3 enzyme * chitinase(aa) * 2e-22 probable membrane protein YDR371w - yeast (Saccharomyces cerevisiae) * 2e-63

	chitinase * 1e-44 CHIT_CAEEL PUTATIVE ENDOCHITIN CG18140 LP01426 40D5-40D5 dup:4/4 ID:107E10
CG1252	+ Ccp84Ab structural_protein cuticle cluster 7 CUTICLE, insect_cuticle CG1252 LP01435 dup:2/2 ID:107E11
CG4664	+ CG4664 dup:2/2 ID:107E12
	+ LanA cell_adhesion * 7e-05 RA50_YEAST DNA REPAIR PROTEIN RAD50 (153 KD PROTEIN) RAD50 * LMA_DROME LAMININ ALPHA CHAIN PRECURSOR laminin chain A * 1e-114 similar to [RNP_1 // EGF_1 // EGFLAMININ // LAMININ] CG10236
CG10236	LAMININ ALPHA CHAIN PRECORSOR IAMININ CHAIN A TE-114 SIMILA TO [RNP_1 // EGF_1 // EGF_AMININ // LAMININ] CG10236 LP01316 65A6-65A6 dup:5/5 ID:107E3
0010230	+ tok endopeptidase * tok * development protein tolkin - fruit fly (Drosophila melanogaster) * 1e-145 similar to developmentally
CG6863	important proteins like human BMP-1 [EGF // CUB // ASTACIN // Astacin // EGF] CG6863 LP01328 96A20-96A22 dup:3/3 ID:107E4
	+ enzyme * cDNA EST comes from this gene; cDNA EST yk282d3.5 comes from this gene(aa) * 1e-06 CCA1_YEAST TRNA
00	NUCLEOTIDYLTRANSFERASE PRECURSOR (TRNA ADENYLYLT [MET_TRANS // SAM_BIND] CG1239 LP01332 83C1-83C1
CG1239	dup:2/2 ID:107E5
	+ unknown * PUTATIVE GAMMA-BUTYROBETAINE,2-OXOGLUTARATE DIOXYGENASE (GAMMA-BUTYROBETAINE HYDROXYLASE) (GAMMA-BBH)(aa) * gamma- butyrobetaine hydroxylase; gamma- CG10814 LP01339 50A6-50A6 dup:2/2
CG10814	ID:107E6
	+ structural_protein * Peritrophin-A * cDNA EST comes from this gene; cDNA EST yk369a9.5 comes from this gene; cDNA
CG7252	EST yk438c12.3 comes from this gene; cDNA EST yk438c12 CG7252 LP01340 68E3-68E3 dup:2/2 ID:107E7
CG1153	+ unknown * CG1153 LP01348 83E2-83E2 dup:2/2 ID:107E8
000=44	+ transcription_factor * DMRCPA_X kel * leucine-zipper-like transcriptional regulator, 1(aa) * 4e-12 YG52_YEAST
CG3711	HYPOTHETICAL 100.0 KD PROTEIN IN YHB1-PFK1 INTERGENIC REGION [BTB] CG3711 LP01394 1C5-1C5 dup:2/2 ID:107E9
CG8907	+ signal_transduction * similar to epidermal growth factor receptor kinase substrate; cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST yk246h9.3 come [SH3 // PRO RICH] CG8907 LP01469 92C1-92C1 ID:107F1
CG9682	+ unknown * CG9682 LP01629 99E5-99E5 dup:3/4 ID:107F10
000002	+ receptor * 4e-06 LDL receptor-like repeat; orfla * 2e-47 coded for by C. elegans cDNA yk9e10.5; coded for by C. elegans
CG8756	cDNA yk9e10.3; mu * 3e-07 very low dens [LDLRA_2 // Idl_recept_a // LDLRA_1] CG8756 LP01646 76C-76C ID:107F11
	+ unknown * ECDYSONE-INDUCED PROTEIN 74EFA (ETS-RELATED PROTEIN E74A)(aa) * 1e-62 ecdysone-induced
CG6273	protein E74A - fruit fly (Drosophila pseudoobscura) * 5e-91 e CG6273 LP01487 74E-74E ID:107F2
CG5431	+ enzyme * steroid sulfotransferase 3(aa) * 7e-25 tyrosine-ester sulfotransferase * 2e-24 SUPM_HUMAN MONOAMINE- SULFATING PHENOL SULFOTRANSFERASE (SULFOTRANSFER [Sulfotransfer] CG5431 LP01553 59F4-59F4 ID:107F4
CG3431	+ 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
	+ RNA_binding * RNA binding motif protein 7(aa) * predicted using Genefinder; similar to RNA recognition motif. (aka RRM,
CG11454	RBD, or RNP domain); cDNA EST yk197f9.5 c [RBD // rrm] CG11454 LP01585 21B-21B dup:1/2 ID:107F7
	+ peptidase * pdb 1AYE Human Procarboxypeptidase A2(aa) * 4e-45 YHT2_YEAST HYPOTHETICAL 49.8 KD PROTEIN IN
CG3097	ACT3-YCK1 INTERGENIC REGION PRECURSOR * 0.00000000006* [CARBOXYPEPT_ZN_1 // CARBOXYPEPT_ZN_2 //] CG3097 LP01667 5B6-5B6 ID:107G1
CG3081	+ 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

000700	+ cell_adhesion * DMSCA_3 sca * 4e-15 scabrous protein precursor - fruit fly (Drosophila melanogaster) * 2e-05 coded for by
CG6788	C. elegans cDNA yk9a2.5; coded for by C. e [fibrinogen_C] CG6788 LP01858 16E2-16E2 ID:107G11 + 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:107G2
0011030	+ 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
0011001	+ 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
	+ enzyme * STERYL-SULFATASE PRECURSOR (STEROID SULFATASE) (STERYL-SULFATE SULFOHYDROLASE)
	(ARYLSULFATASE C) (ASC)(aa) * 5e-14 weakly similar to arylsulfatase B [Sulfatase // SULFATASE_2] CG5584 LP01735 75A2-
CG5584	75A2 ID:107G6
	+ 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
CG16926	+ unknown * CG16926 LP01766 56D10-56D10 ID:107G8
0040004	+ 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
000200	+ unknown * queuine trna-ribosyltransferase(aa) * 7e-98 TGT_CAEEL PUTATIVE QUEUINE TRNA-
	RIBOSYLTRANSFERASE (TRNA-GUANINE TRANSGLYCOSYLA * TGT_BACSU QUEUINE TR CG4947 LP01967 21F1-21F1
CG4947	ID:107H4
	+ 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
	+ crol transcription_factor * crol * BLASTX 2.3E-25 Human kruppel-related zinc finger protein (ZNF184) mRNA, partial cds.(dna) *
0044000	CROL GAMMA * 4e-14 HSN motor neurons m[zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG14938 LP02106 33B1-33B1
CG14938	dup:2/2 ID:107H9 + Cdlc2 motor_protein * 8kd dynein light chain(aa) * Cdlc1 * dynein light chain 5(aa) * 1e-21 DYL1_YEAST DYNEIN LIGHT CHAIN
CG5450	1, CYTOPLASMIC dynein lig [Dynein_light // DYNEIN_LIGHT_1] CG5450 LP02196 22A-22A ID:108A1
CG5468	+ unknown * CG5468 LP02501 97C1-97C1 ID:108A10
000400	+ receptor * putative mitochondrial inner membrane protein import receptor(aa) * MITOCHONDRIAL IMPORT INNER
CG11779	MEMBRANE TRANSLOCASE SUBUNIT TIM44 PRECURSOR(aa) * P CG11779 91F4-91F4 dup:1/2 ID:108A11
	+ ligand_binding_or_carrier * 2e-08 galactose specific C-type lectin * 3e-10 lectin lambda * 7e-13 mannose receptor, C type
CG9134	MACROPH * 3e-08 C-type lectin-like protein [lectin_c // C_TYPE_LECTIN_1 // C_TYPE_L] CG9134 LP02252 61F4-61F4 ID:108A3
CG18179	+ unknown * CG18179 LP02275 67B-67B ID:108A4
CG13627	+ unknown * CG13627 LP02282 96A20-96A20 ID:108A5

	+ ligand_binding_or_carrier * retinaldehyde-binding protein 1(aa) * ALPHA-TOCOPHEROL TRANSFER PROTEIN (ALPHA-
CG5958	TTP)(aa) * 8e-07 SC14_YEAST SEC14 CYTOSOLIC FACTOR (PHOSPHATIDYLINOSI [CRETINALDHBP // CRAL_TRIO] CG5958 LP02316 27F7-27F7 ID:108A6
CG3938 CG18596	+ unknown * CG18596 LP02352 96D4-96D4 ID:108A7
CG 10390	+ homology to bifunctional endo-1,4-beta-xylanase and RNA binding protein RGGm [Trypanosoma cruzi] GLUTELIN,
CG10953	PRO RICH CG10953 LP02439 ID:108A8
CG13388	+ Akap200 signal_transduction * [PRO_RICH // NLS_BP] CG13388 29C1-29C3 dup:1/2 ID:108A9
CG18317	+ unknown * CG18317 LP02521 22B1-22F3 ID:108B1
	+ P5cr enzyme * 6e-29 PROC_YEAST PYRROLINE-5-CARBOXYLATE REDUCTASE (P5CR) (P5C REDUCTASE) * 1e-157
CG6009	pyrroline 5-carboxylate reductase * 3e-52 similar to pyrroline-5- [P5CR] CG6009 LP02537 91E4-91E4 ID:108B2
CG1733	+ unknown * 2e-06 inserted at base 3' end of P element Inverse PCR * * CG1733 LP02557 12A1-12A2 dup:3/5 ID:108B3
CG10200	+ unknown * CG10200 LP02570 51C5-51C5 ID:108B4
	+ enzyme * 4e-06 cytochrome c oxidase subunit VIIa polypeptide (muscle) * 1e-05 COXK_BOVIN CYTOCHROME C
CG9603	OXIDASE POLYPEPTIDE VIIA-HEART PRECURSOR (COX VIIA-M) (CG9603 LP02592 84F13-84F13 ID:108B5
	+ ligand_binding_or_carrier * 9e-14 accessory gland protein Acp29AB * 1e-07 coded for by C. elegans cDNA CEESH64R;
CG15818	coded for by C. elegans cDNA CEMSH13F; co * 8e-06 MABA_MOUSE MA [lectin_c // C_TYPE_LECTIN_2] CG15818 LP02603 27F6-27F6 ID:108B6
CG 15616	+ actin_binding * kelch protein; ring canal component involved in cytoplasmic bridges; 77% Similarity to * 2e-93 kelch protein,
CG17754	long form - fruit fly (Drosophila mela [BTB // Kelch] CG17754 LP02641 8D6-8D6 dup:2/2 ID:108B7
	+ 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
000==0	product * 1e-175 AMPE_MOUSE GLUTAMYL AMINOPEPTIDASE (EAP) (AM [ALADIPTASE // Peptidase_M1 // ZINC_PROT]
CG8773	CG8773 LP02833 87E5-87E5 ID:108C3
CG18546	+ unknown * CG18546 LP02835 87A6-87A6 ID:108C4
	+ nucleic_acid_binding * 2e-06 Zinc finger-AT hook protein * 2e-13 protein * 5e-09 XFIN_XENLA XFIN PROTEIN Xfin protein (AA - * 2e-08 DMRNAD19A D19A [zf-C2H2 // ZINC FINGER C2H2 // ZINC FIN] CG14438 LP02916 6C12-6C12 dup:2/3
CG14438	ID:108C7
0014400	+ unknown * Ibm * 1e-09 LBM_DROME LATE BLOOMER PROTEIN late bloomer me * 1e-11 lbm * [TM4_2] CG4471
CG4471	LP02988 42E2-42E2 ID:108C9
	+ 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
CG4799	LP03126 31A1-31A1 ID:108D10
CG13330	+ unknown * [NLS_BP] CG13330 50B2-50B2 dup:1/2 ID:108D11
000050	+ Ald enzyme * plastidic aldolase(aa) * ALDOLASE-RELATED PROTEIN(aa) * DMALD_10 Ald * 1e-118 similar to Fructose-
CG6058	bisphosphate aldolase class-I; cDNA EST yk252e [glycolytic_enzy // ALDOLASE_CLASS_I //] CG6058 LP03138 97A6-97A6

dup:4/4 ID:108D12

CG7	7924	 unknown * putative DNA binding protein=son placenta, Peptide Partial, * * CG7924 LP03067 74E1-74E1 ID:108D3 unknown * EH domain binding protein epsin 2(aa) * mitotic phosphoprotein 90(aa) * 1e-31 hypothetical protein YDL161w -
CG8	2522	yeast (Saccharomyces cerevisiae) * 1e- [ENTH] CG8532 LP03068 66A-66A3 dup:2/2 ID:108D4
CGC	0002	+ protein kinase * DMCDK46 3 Cdk4/6 * DMCDK5 3 Cdk5 * SNF1A * DMMAPKIN 4 rl [LDLRA 2 //
000	2250	,
CG8	3250	RECEPTOR_TYR_KIN_II // PROTE] CG8250 LP03070 53C10-53C11 ID:108D5
000	2050	+ enzyme * hypothetical protein - human(aa) * putative ubiquitin ligase(aa) * putative ubiquitin transferase(aa) * hect-domain-
CG3		containing protein, containing k [HECT_DOMAIN // HECT // CYTOCHROME_C] CG3356 LP03102 60B11-60B11 ID:108D6
CG7	7906	+ unknown * CG7906 LP03104 74E1-74E1 ID:108D7
		+ serpin * ZG-21p protein - rat(aa) * protease inhibitor (ovalbumin type)(aa) * 9e-10 Similar to serine protease inhibitor * 2e-17
CG1	1342	PAI2_MOUSE PLASMINOGEN ACTIV [serpin] CG1342 LP03106 100A3-100A3 ID:108D8
		+ Ptp4E protein_phosphatase * DMRPTP4E_2 Ptp4E * DMDPTP101_2 Ptp10D * protein-tyrosine-phosphatase (EC 3.1.3.48),
		receptor type 4E, splice form A precursor - fruit fly (D[Y_phosphatase // TYR_PHOSPHATASE_PTP //] CG6899 LP03315 4D1-4D1
CG6	8899	dup:2/2 ID:108E10
		+ transporter * 4e-15 hypothetical protein YDR387c - yeast (Saccharomyces cerevisiae) (U * 2e-35 GTRL_DROME GLUCOSE
		TRANSPORTER-LIKE PROTEIN glucose transpo * 3e-[SUGRTRNSPORT // SUGAR_TRANSPORT_1 // SU] CG7801 LP03341
CG7	7801	48B5-48B5 dup:2/2 ID:108E12
		+ 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 //
CG1	10967	PROTE] CG10967 LP03175 69E1-69E2 dup:2/2 ID:108E3
		+ unknown * predicted using Genefinder; similar to GNS1/SUR4 family; cDNA EST comes from this gene(aa) * CGI-88
CG5		protein(aa) * 9e-15 SUR4_YEAST SUR4 PROTEIN (SRE CG5326 LP03255 94B5-94B5 dup:2/2 ID:108E4
CG1	11470	+ * CG11470 99B5-99B5 dup:4/4 ID:108E6
		+ unknown * 3e-53 YEF1_YEAST HYPOTHETICAL 55.9 KD PROTEIN IN GDA1-UTR2 INTERGENIC REGION * 1e-115
CG6	6145	dJ283E3.6.1 (PUTATIVE novel protein similar to many (archae)ba CG6145 LP03268 50B4-50B5 dup:2/2 ID:108E7
		+ 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]
CG1	10605	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-
CG1	13397	acetylglucosaminidase * alpha-N-acetylglucosaminida CG13397 LP03571 29C1-29C1 ID:108F10
		+ Lsp1gamma larval_serum_protein * hexamerin A; arylphorin-like protein(aa) * Lsp1 bgr; * LARVAL SERUM PROTEIN BETA
		CHAIN PRECURSOR(aa) * 8e-06 AMYH_YEAST GLUCOAMYLASE S1/S2 PRECU[hemocyanin // HEMOCYANIN_2 //
CG6	821	HAEMOCYAN] CG6821 LP03463 61A2-61A2 ID:108F5
		+ 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 14B11-14B11
CG3	3415	dup:2/2 ID:108F6
CG2	2967	+ BcDNA:GH09358 unknown * 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 comes from thi CG2967 LP03505 9B6-9B7 dup:4/4 ID:108F7
CG5904	+ islet mitochondrial antigen CG5904 LP03542 ID:108F8
	+ enzyme * contains similarity to enoyl-CoA hydratases/isomerases Score=59.1, E=3.3e-16, N=1)(aa) * 3e-51 Similar to enoyl-
CG5844	coA hydratase * 2e-15 ECH1_MOUSE PRO [ECH] CG5844 LP03547 87B15-87B15 ID:108F9
	+ brat transcription_factor * transcription factor(aa) * 1e-142 YOG2_CAEEL HYPOTHETICAL ZINC FINGER PROTEIN ZK112.2
	IN CHROMOSOME III * 2e-38 protein * 9e-38 RING finge[ZF_BBOX // NHL // ZINC_FINGER_C2H2 // Z] CG10719 LP03649 37C4-
CG10719	37C dup:3/5 ID:108G1
	+ transcription_factor * 3e-09 similar to X box DNA binding protein-1; cDNA EST comes * 2e-09 X box binding protein-1; XBP-1
CG9415	* 8e-11 TREB protein * 5e-12 hepatocarcinogenesi [B_ZIP // bZIP // NLS_BP] CG9415 LP03921 57C3-57C3 dup:2/3 ID:108G12
CG1806	+ unknown * CG1806 LP03706 11A3-11A3 ID:108G2
004074	+ unknown * Ymr077cp(aa) * 2e-08 YMW7_YEAST HYPOTHETICAL 25.6 KD PROTEIN IN ABF2-CHL12 INTERGENIC
CG4071	REGION * 8e-05 No definition line found * 5e-59 I(2) rG270 I(2) CG4071 LP03791 58F1-58F1 ID:108G4
	+ translation_factor * kDa protein; Fun12p(aa) * 1e-120 YAD5_YEAST 112.3 KD PROTEIN IN PYK1-SNC1 INTERGENIC
CG10840	REGION * 1e-11 waclaw * 3e-18 similar to initiation factor IF-[ELONGATNFCT // NLS_BP // GTP_EFTU // AT] CG10840 LP03795 63D2-63D2 ID:108G5
CG10640 CG6981	
CG0901	
CG8182	+ enzyme Glycosyl transferasem, similar to N-acetylgalactosaminyltransferase GLYC_IRANS, Glycos_transf_2, RICIN B LEC] CG8182 LP03835 ID:108G9
000102	+ enzyme * HemE homolog(aa) * uroporphyrinogen decarboxylase; Hem12p(aa) * UROPORPHYRINOGEN
	DECARBOXYLASE (UPD)(aa) * UROPORPHYRINOGEN DECARBOXYLASE (URO-D)(a [UROD_1 // UROD_2 // URO-D] CG1818
CG1818	LP03960 45F4-45F4 ID:108H1
	+ transporter * renal organic cation transporter(aa) * solute carrier family (organic cation transporter), member 5(aa) * sodium-
CG17752	dependent carnitine transporter(aa) [sugar_tr] CG17752 LP04053 94D3-94D3 ID:108H10
CG6234	+ motor_protein * 1e-06 TRFA * * CG6234 LP04345 87C6-87C6 dup:1/2 ID:108H11
	+ serpin * SQUAMOUS CELL CARCINOMA ANTIGEN (SCCA-2) (LEUPIN)(aa) * ALPHA-1-ANTIPROTEINASE PRECURSOR
CG6687	(ALPHA-1-ANTITRYPSIN) (ALPHA-1-PROTEINASE INHIBITOR)(aa) * [serpin] CG6687 LP04383 88E7-88E7 ID:108H12
	+ 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
000400	FRUCTOSE-2,6-BISPHOSPHATASE fructose-2,6-bisp * 1[6PFRUCTKNASE // PGAM // PG_MUTASE // IG] CG3400 LP04008
CG3400	18D1-18D1 dup:4/4 ID:108H7
	+ kst actin_binding * DMBHSPEC kst * beta-heavy-spectrin(aa) * SPCA_DROME SPECTRIN ALPHA CHAIN spectrin alpha
CG12008	chain - fr * Similar to spectrin beta chain; coded for [SPECTRINPH // spectrin // CH_DOMAIN //] CG12008 LP04011 63C5-63D dup:4/5 ID:108H8
CG12006 CG14766	'
0014/00	+ 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
CG16844	+ CG16844 55C9-55C9 dup:1/2 ID:109A11
CG9812	+ unknown * CG9812 LP04417 59D10-59D11 dup:1/2 ID:109A2
	+ 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-27 protein(aa) * CG8031 LP04475 87D9-87D9 ID:109A6
000001	+ Cyp1 chaperone * DMCYP1_2 Cyp1 * 1e-63 CYPH_YEAST PEPTIDYL-PROLYL CIS-TRANS ISOMERASE (PPIASE)
	(ROTAMASE) (CYCLOPHILIN) * 2e-93 CYPH_DROME PEPTIDYL-PROLYL CIS-TRANS[pro_isomerase // CSA_PPIASE_1 //
CG9916	CSA_PP] CG9916 LP04479 14B15-14B15 dup:1/2 ID:109A7
CG18337	+ unknown * CG18337 LP04503 47E1-47E1 ID:109A8
	+ svr peptidase * carboxypeptidase precursor(aa) * svr * 1e-06 YHT2_YEAST HYPOTHETICAL 49.8 KD PROTEIN IN ACT3-
	YCK1 INTERGENIC REGIÓN PRECURSOR * 2è-76 coded for by [CRBOXYPTASEA // NLS_BP // Zn_carbOpept] CG4122
CG4122	LP04580 1B4-1B5 ID:109A9
	+ DnaJ-60 chaperone * dnaJ-like protein(aa) * DMDNAJLP_2 DnaJ-60 * 3e-08 SCJ1_YEAST SCJ1 PROTEIN SCJ1 protein - yeast
CG12240	(Saccharomyce * 1e-114 dnaJ-like protein [DnaJ // DNAJ_2] CG12240 LP04971 60B9-60B9 dup:3/3 ID:109B12
CG10497	+ CG10497 dup:1/2 ID:109B5
CG12373	+ CG12373 ID:109B8
	+ enzyme * lipoamide dehydrogenase(aa) * 1e-157 DLDH_YEAST DIHYDROLIPOAMIDE DEHYDROGENASE PRECURSOR
	dihydr * 7e-19 GSHR_DROME GLUTATHIONE REDUCTASE (GR) (GRAS [HGRDTASE // FADPNR // pyr_redox // PYRI] CG7430
CG7430	LP04889 75A4-75A4 ID:109B9
	+ chaperone * DMTIDT4M_4 I(2)tid * 1e-22 MDJ1_YEAST MDJ1 PROTEIN PRECURSOR heat shock protein MDJ1 * 2e-42
CG7387	Tid56 protein * 2e-42 YLW5_CAEEL HYPOTHETICAL 105.9 K[DnaJ_CXXCXGXG // DNAJ_1 // DnaJ // DNAJ] CG7387 LP05202 66B13-66B13 dup:1/2 ID:109C10
CG7387 CG9021	·
CG9021	 unknown * Cr-PII allergen(aa) * Cr-PII * major allergen Per a * CG9021 LP05310 26A5-26A5 ID:109C12 unknown * 3e-97 transmembrane protein * 3e-07 similar to cuticulin 1; cDNA EST comes from this gene; * 4e-99
CG15013	DMDUSKY 1 dy * 5E-84 CG15013 LP05062 64B6-64B6 ID:109C3
0010010	+ 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
	+ m1 unknown * M1 protein(aa) * 4e-82 M1 protein * 3e-05 Similarirty to Crayfish proteinase inhibitor cDNA ES * 5e-05
CG8342	IOV7_CHICK OVOINHIBITOR PRECURSOR ovoinhibito CG8342 LP05127 96F10-96F10 ID:109C5
	+ Myo31DF motor_protein * myosin-IA(aa) * didum * actin binding actin binding) map_position:31D-F * Myo31DF [myosin_head //
CG7438	IQ // MYOSINHEAVY // NLS] CG7438 LP05132 31E4-31E5 ID:109C6
	+ unknown * NG22(aa) * 3e-97 coded for by C. elegans cDNA CEESB82F; coded for by C. elegans cDNA CEESE93F * 1e-79
CG11880	NG22 * CG11880 LP05177 99A1-99A1 dup:1/4 ID:109C9

CG4839	+ protein_kinase * 1e-57 KAPB_YEAST CAMP-DEPENDENT PROTEIN KINASE TYPE (PKA 2) * 1e-147 protein kinase (EC 2.7.1.37), cGMP-dependent - fruit fly (Drosophila melanog * [cNMP_binding // CNMP_BINDING_1 // CNMP_] CG4839 LP05330
CG4839	31B-31B ID:109D1 + 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
CG4307	+ Oscp enzyme * DMOSCPPRE_2 Oscp * ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit (oligomycin sensitivity conferring protein)(aa) * coded for b [ATPASEDELTA // OSCP] CG4307 90D1-90D1 dup:2/2 ID:109D2 + Rrp1 DNA_repair_protein * DMRRP1_2 Rrp1 * RECOMBINATION REPAIR PROTEIN (DNA-(APURINIC OR APYRIMIDINIC SITE) LYASE)(aa) * 7e-63 similar to AP endonucleases family 1; cDNA EST [AP_NUCLEASE_F1_3 // AP_endonucleas1 //]
CG3178	CG3178 LP05366 23C2-23C2 ID:109D3
CG10764	+ endopeptidase * COAGULATION FACTOR X PRECURSOR (STUART FACTOR)(aa) * chymotrypsinogen B1(aa) * coagulation factor G beta chain precursor - horseshoe crab (Tachypleu [trypsin // CHYMOTRYPSIN // TRYPSIN_SER] CG10764 LP05421 54C3-54C3 ID:109D4
	+ RNA_binding * ventral antigen 1(aa) * astrocytic NOVA-like RNA-binding protein(aa) * 0.00000003* 2e-13 similar to RNA
CG8144	binding protein; cDNA EST comes from th [KH-domain // KH_DOMAIN // ANTIFREEZEI] CG8144 LP05458 85D-85D ID:109D7
CG4818	+ structural_protein * 1e-08 cuticular protein * * [insect_cuticle] CG4818 LP05492 72F1-72F1 ID:109D9
CG7953	+ BG:DS00941.14 unknown * CG7953 LP05733 34D4-34D4 dup:2/2 ID:109E10
	+ ppl enzyme * predicted using Genefinder(aa) * 5e-19 GCSH_YEAST GLYCINE CLEAVAGE SYSTEM H PROTEIN
CG7758	PRECURSOR F * 3e-28 predicted using Genefinder * 7e-32 glycine c [LIPOYL] CG7758 LP05579 78C8-78C8 dup:2/2 ID:109E4 + Cyt-c1 electron_transfer * CYTOCHROME C(aa) * 1e-32 pdb 1YCC Cytochrome C (Isozyme 1) (Reduced) Saccharomyces cerevisia * 2e-58 CYC1_DROME CYTOCHROME C-1 cytochrome c[CYTCHRMECIAB // cytochrome_c // CYTOCHR] CG13263
CG13263	LP05614 36A7-36A7 dup:2/2 ID:109E5
CG6933	+ structural_protein * peritrophin-48a precursor(aa) * peritrophin-44(aa) * SW-peritrophin-48 precursor(aa) * CG6933 LP05638 77A-77A dup:3/3 ID:109E6
	+ actin_binding * 5e-06 alternatively spliced form * 9e-06 alpha-actinin * protein * 9e-06 alpha-actinin - rabbit (fragment) muscle
CG11685	alp [CH_DOMAIN] CG11685 LP05986 85F7-85F7 ID:109F10 + mas endopeptidase * mas * masquerade precursor - fruit fly (Drosophila melanogaster) * 5e-30 similar to peptidase family S1
	(trypsin family) * 4e-38 KAL_MOUSE PLASMA KA [trypsin // CHYMOTRYPSIN // TRYPSIN_HIS] CG15002 LP06006 64A12-
CG15002	64A12 ID:109F11
	+ 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
CG9568	+ unknown * CG9568 LP05845 29F8-29F8 ID:109F2
	+ Rab3 signal_transduction * enzyme RHO small GTPase) map_position:47B * 2e-47 SEC4_YEAST RAS-RELATED PROTEIN SEC4 GTP-binding protein SE * 1e-127 RAB3_DROME RAS-RELATED PROTEI [ras // ATP_GTP_A // RASTRNSFRMNG]
CG7576	CG7576 LP05860 47B7-47B7 ID:109F3
CG5656	+ enzyme * MEMBRANE-BOUND ALKALINE PHOSPHATASE PRECURSOR (M-ALP)(aa) * DMALKPHOS_2 Aph-4 * 8e-26

	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	bestrophin) * 2e-48 RFP family member; t [Worm_family_8] CG6264 LP05915 85F13-85F14 dup:1/2 ID:109F6 + endopeptidase * Ser12 * Ser6 * mas * DMSNAKE_2 snk [trypsin // CHYMOTRYPSIN // TRYPSIN_CATA] CG9675 LP05929
CG9675	15A1-15A1 ID:109F7
CG5770	+ unknown * CG5770 LP06072 55B-55B ID:109G1
	+ structural_protein * peritrophin 1(aa) * 3e-08 Gasp precursor * 1e-07 R02F2.4 gene product * 2e-13 insect intestinal mucin
CG10154	IIM22 CG10154 LP06444 70A8-70A8 ID:109G11
	+ Pgk protein_kinase * 3-phosphoglycerate kinase; Pgk1p(aa) * DMPGKG_2 Pgk * PHOSPHOGLYCERATE KINASE(aa) * 1e-136 PGK_YEAST PHOSPHOGLYCERATE KINASE 3-phosphoglycerate kina [PGK // PGLYCERATE_KINASE // PHGLYCKINAS]
CG3127	CG3127 23A7-23A7 dup:2/3 ID:109G12
CG4449	+ unknown * CG4449 LP06117 97B1-94E9 ID:109G2
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
CG12115	+ unknown * [NLS_BP] CG12115 LP06283 8D2-8D2 ID:109G5
CG14455	+ CG14455 LP06288 ID:109G6
CG2070	 enzyme * 8e-21 probable membrane protein YOR246c - yeast (Saccharomyces cerevisiae) * 1e-06 3-hydroxyacyl-CoA dehydrogenase type II * 1e-46 predicted using G [GDHRDH // adh_short] CG2070 LP06328 43E6-43E6 ID:109G7 + Ag5r unknown * antigen 5-related protein(aa) * Ag5r * 1e-156 antigen 5-related * 6e-33 antigen 5-related protein
CG9538	LP06338 12F5-12F5 ID:109G8
	+ unknown * coded for by C. elegans cDNA yk13g5.3; coded for by C. elegans cDNA yk21g6.3; coded for by C. elegans cDNA CEMSE18F; coded for by C. elegans cDNA yk [LAMNOPPTDASE // Peptidase_M17] CG6197 LP06925 50B9-50B9 dup:2/3
CG6197	ID:109H11
	+ 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
007400	+ structural_protein * Abd-5=endocuticular protein migratoria=migratory locusts, abdomen, Peptide, * Acp65Aa * 2e-12 cuticle
CG7160	protein ACP65A * Abd-5=endocuticular protein g [CUTICLE // insect_cuticle] CG7160 LP06660 78F1-78F1 ID:109H3
CG5084	 unknown * CG5084 LP06708 53E4-53E4 ID:109H7 enzyme * 3e-12 K03C7.1 gene product * 3e-13 DNA-directed RNA polymerase (EC 2.7.7.6) II large chain - mouse (M12 *
CG8381	+ enzyme * 3e-12 K03C7.1 gene product * 3e-13 DNA-directed RNA polymerase (EC 2.7.7.6) II large chain - mouse (M12 * 2e-09 elastic titin * 8e-10 proline-rich p [ADH_SHORT] CG8381 LP06813 50E4-50E5 dup:1/2 ID:109H9
CG0301	+ PpN58A protein_phosphatase * serine-threonine protein phosphatase(aa) * PpN58A * 1e-108 PP12_YEAST
	SERINE/THREONINE PROTEIN PHOSPHATASE PP1-2 pho * 1e-174 serine-threonine prot[PHOSPHO_ESTER // STPHPHTASE
CG3245	// SER_THR_] CG3245 SD01703 58B1-58B1 ID:113A9
	

	+ 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
	+ pbl signal_transduction * ect2 oncogene(aa) * 4e-05 regulatory protein CLS4 - yeast (Saccharomyces cerevisiae) * 3e-08
	/match=(desc:; /ma * 1e-30 similar to transf[GRF_DBL // BRCT_DOMAIN // G_PROTEIN_REC] CG8114 SD01796 66A18-66A20
CG8114	dup:2/4 ID:113B7
	+ 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 // laminin_B // laminin_EGF //] CG3322 SD01934
CG3322	67B-67B ID:113C10
	+ unknown * 8e-21 ERP6_YEAST ERP6 PROTEIN PRECURSOR probable membrane pro * 9e-39 similar to
	emp24/gp25L/p24 family * 8e-72 associated to apparatus * 2e-51 G25L [EMP24_GP25L] CG9443 SD01878 85E4-85E5 dup:1/2
CG9443	ID:113C5
	+ unknown * * 5e-87 lcl prt_seq No definition line found * YB3C_SCHPO HYPOTHETICAL 60.9 KD PROTEIN C2F12.12C IN
CG1676	CHROMOSOME II * [NLS_BP] CG1676 SD01916 19D2-19D2 ID:113C9
	+ actin_binding * TENSIN(aa) * 3e-63 coded for by C. elegans cDNA yk126c6.3; coded for by C. elegans cDNA yk125d8.5; *
CG9379	2e-74 tensin - chicken tensin * coded for by C. [SH2] CG9379 SD01953 85D23-85D23 ID:113D1
CG4578	+ CG4578 dup:2/2 ID:113D11
CG17836	+ unknown * [NLS_BP] CG17836 SD01985 91D4-91D4 dup:2/2 ID:113D3
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
	+ unknown * similar to S. cerevisiae hypothetical 240.3 kd protein in MSH3 3' * GENERAL NEGATIVE REGULATOR OF
	TRANSCRIPTION SUBUNIT 1(aa) * t7i23.15 protein.(a [LECTIN_LEGUME_BETA // FGGY_KINASES_2 //] CG1884 SD02024
CG1884	45F3-45F4 dup:5/7 ID:113D9
	+ transcription_factor * DMADF1A_2 Adf1 * 6e-05 ADF1_DROME TRANSCRIPTION FACTOR ADF-1 (ADH DISTAL FACTOR
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
00=000	+ aft unknown * 2e-05 YBR1_YEAST HYPOTHETICAL 34.7 KD PROTEIN IN ORC2-TIP1 INTERGENIC REGION * Adrift * 2e-22
CG5032	contains similarity to Methanococcus jannaschii cell d CG5032 SD02116 54E10-54E10 dup:3/3 ID:113E9
none	+ none SD02145 ID:113F3
	+ enzyme_inhibitor * protein(aa) * protein(aa) * protein(aa) * [ANK_REP // ank // ANK_REP_REGION] CG8465 SD02148
CG8465	16B5-16B6 dup:2/4 ID:113F4
CG1655	+ unknown * UNKNOWN; PRC1(aa) * protein regulating cytokinesis 1; PRC1 * [G_PROTEIN_GAMMA] CG1655 SD02150

9F5-9F5 ID:113F5

	91 3-91 3 10.1131 3
CG9042	+ enzyme CG9042 ID:113F9
	+ 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 fly
CG9559	(Drosophila melanogaster) CG9559 SD02223 20A4-20A5 ID:113G3
000000	+ ligand binding or carrier * ALPHA-TOCOPHEROL TRANSFER PROTEIN (ALPHA-TTP)(aa) * retinaldehyde-binding
	protein, CRALBP Peptide, * retinaldehyde-binding protein 1(aa) * tocophero [CRETINALDHBP // CRAL_TRIO] CG10026 SD02235
CG10026	37E3-37E3 ID:113G7
CG10020 CG9653	
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
004700	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
00000	BEM2_YEAST GTPASE ACTIVATING PROTEIN BEM2/IP[RHO_GAP // RhoGAP // DAG_PE_BINDING_DOM] CG3208 SD02309
CG3208	5A8-5A8 dup:1/3 ID:113H7
00	+ 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
	4)(aa) * 1e-82 LCF4_YEAST LONG-CHAIN-FATTY-ACIDCOA LIGASE ([AMP_BINDING // AMPBINDING // AMP-bindin] CG8732
CG8732	SD02373 44D4-44D ID:114A6
	+ Khc motor_protein * DMKINHCA_2 Khc * cos * KINESIN HEAVY CHAIN(aa) * recombinant kinesin heavy chain(aa) [kinesin //
CG7765	KINESIN_MOTOR_DOMAIN1 // KIN] CG7765 SD02406 53A-53A dup:1/2 ID:114A9
	+ enzyme * type II membrane protein(aa) * Similarity with yeast hypothetical protein (PIR accession number * brn * beta-1,3-
CG8668	N-acetylglucosaminyltransferase(a [ALDOKETO_REDUCTASE_3] CG8668 SD02482 28E-28E ID:114B11
	+ transcription_factor * CCAAT-box-binding transcription factor(aa) * 6e-35 probable membrane protein YDR060w - yeast
CG7839	(Saccharomyces cerevisiae) * 1e-76 predicted using Gene [NLS_BP] CG7839 SD02424 70E1-68A3 ID:114B2
	+ enzyme_inhibitor * nuclear inhibitor of phosphatase-1(aa) * similar to forkhead-associated (FHA) domains (Pfam: FHA.hmm,
CG8980	score: 28.36)(aa) * NIPP-1, nuclear inhibitor [FHA_DOMAIN // FHA] CG8980 SD02428 53E10-53E11 ID:114B3
	+ transcription_factor * ovo * zinc-finger-motif-protein * zinc finger protein, subfamily 1A, (Ikaros)(aa) * DMSPALTR_3 salr
CG11247	[ZINC_FINGER_C2H2 // zf-C2H2 // ZINC_FIN] CG11247 SD02478 78F4-79A ID:114B9
	+ translation_factor * EUKARYOTIC TRANSLATION INITIATION FACTOR (EIF-5)(aa) * 2e-63 IF5_YEAST EUKARYOTIC
	TRANSLATION INITIATION FACTOR (EIF-5) * 2e-87 IF5_CAEEL EUKARYOTIC [EF_HAND] CG9177 SD02540 14A1-14A1
CG9177	dup:2/3 ID:114C10
	+ 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

CG15165	+ motor_protein * 1e-05 microtubule binding protein D-CLIP-190 * 6e-08 Similarity with drosohila MSP-300 protein (PIR acc. no. * 5e-08 CENP-E protein * 1e-09 myosin I CG15165 SD02507 37A3-37A4 ID:114C2
CG 15 165	+ enzyme * sn-1,2-diacylglycerol cholinephosphotransferase(aa) * contains similarity to CDP-alcohol phosphotransferases(aa)
0040255	* choline/ethanolaminephosphotrans [CDP_ALCOHOL_P_TRANSF // CDP_ALCOHOL_P_T] CG10355 SD02518 37F1-37F1
CG10355	dup:3/5 ID:114C5
CG7434	+ RpL22 ribosomal_protein Ribosomal protein L22 60S subunit ANTIFREEZEI CG7434 SD02522 ID:114C6
CG12109	+ ligand_binding_or_carrier * chromatin assembly factor I (150 kDa)(aa) * chromatin assembly factor I p150 chain - human * [NLS_BP] CG12109 SD02526 7F4-7F5 dup:1/2 ID:114C7
	+ unknown * BLASTX 1.9E-12 Dictyostelium discoiedeum AAC-rich mRNA (AAC11).(dna) * 5e-87 inserted at base Both 5' and
CG7502	3' ends of P element Inverse PCR * [PRO_RICH // NLS_BP] CG7502 SD02606 18B1-18B1 ID:114D5
	+ DNA_binding * 2e-33 inserted at base 5' end of P element Inverse PCR * * [MYB_1 // NLS_BP] CG15610 SD02691 53E-
CG15610	53E5 dup:2/2 ID:114E11
	+ Pros26.4 * Pros26.4 * 1e-177 PRS4_YEAST 26S PROTEASE REGULATORY SUBUNIT HOMOLOG (TAT-BINDING HOMOLOG
005000	5) * PRS4_DROME 26S PROTEASE REGULATORY SUBUNIT (P26S4) P [AAA // NLS_BP // ATP_GTP_A] CG5289 95C-95C
CG5289	dup:2/3 ID:114E3
	+ transcription_factor_binding * ESC virilis, Peptide, * extra sex combs protein - fruit fly (Drosophila melanogaster)(aa) * BLASTX 7.9E-26 Precis coenia transcription[GPROTEINBRPT // WD40_REGION // WD40] CG5202 SD02661 33B9-33B9 dup:2/2
CG5202	ID:114E4
CG5202	+ 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
0010373	+ 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
00.002	+ 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
	+ nbA ion_channel * nbA * DMCA1_2 Ca- agr;1D * CCA1_DROME CALCIUM CHANNEL ALPHA-1 SUBUNIT (CACOPHONY
	PROTEIN) (NIGHTBLIND A PR * unc-2 gene product [NACHANNEL // ion_trans // CACHANNEL //] CG1522 10F10-11A1 dup:2/2
CG1522	ID:114F12
	+ unknown * 4e-15 MTRP_MOUSE GOLGI 4-TRANSMEMBRANE SPANNING TRANSPORTER MTP * 6e-15 MTRP_HUMAN
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
	TRANSCRIPTION FACTOR) (HST * HSF_DROME HEAT SHOCK FACTOR PROTEIN (HSF) [HSFDOMAIN // HSF_ETS //
CG5748	HSF_DNA-bind] CG5748 SD02833 55B5-55B5 ID:114G2
	+ receptor * dominant autoantigen gp - rat (fragment)(aa) * ST7 protein(aa) * 3e-12 NDL_DROME SERINE PROTEASE
0040400	NUDEL PRECURSOR nudel protein * 1e-26 coded for by [LDLRA_2 // LDLRECEPTOR // Idl_recept_a] CG12139 SD02842 8D12-
CG12139	8E1 dup:2/2 ID:114G4

	+ 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
000101	+ 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
	+ Rtc1 enzyme * RNA 3'-terminal phosphate cyclase(aa) * DMYP3G Rtc1 * PROBABLE RNA 3'-TERMINAL PHOSPHATE
	CYCLASE (RNA-3'-PHOSPHATE CYCLASE) (RNA CYCLASE)(aa) * 4e-4 [RTC // RCT // NLS_BP] CG11130 SD02972 12B8-12B8
CG11130	ID:114H11
	+ enzyme * dihydrosphingosine phosphate lyase (also known as sphingosine phosphate lyase); Dpl1p(aa) * Similar to
CG8946	glutamate decarboxylase(aa) * sphingosine-1-p CG8946 SD02978 53F10-53F10 dup:3/3 ID:114H12
	+ transporter * fatty acid transport protein 4; FATP4(aa) * 1e-64 very long-chain fatty acyl-CoA synthetase * 1e-129 coded for
	by C. elegans cDNA yk83h3.3; coded f [AMP_BINDING // AMP-binding // NLS_BP] CG7400 SD02910 31E5-31E6 dup:4/4
CG7400	ID:114H2
	+ unknown * 8e-36 YJX2_YEAST HYPOTHETICAL 67.0 KD PROTEIN IN PRE3-SAG1 INTERGENIC REGION * 2e-38 cDNA
CG13097	EST yk337b8.5 comes from this gene; cDNA EST yk371b10.5 co [NLS_BP] CG13097 SD02943 29D1-29D1 ID:114H6
	+ protein_kinase * 8e-50 SNF1_YEAST CARBON CATABOLITE DEREPRESSING PROTEIN KINASE p * 3e-30 p90
	ribosomal S6 kinase * 1e-117 similar to serine/threonine kinase; cDNA E [PROTEIN_KINASE_ST // PROTEIN_KINASE_DOM]
CG8485	CG8485 SD02969 50E8-50E8 ID:114H9
	+ electron_transfer * thioredoxin(aa) * 8e-20 TRX1_YEAST THIOREDOXIN I (TR-I) thioredoxin I - yeast (Sacc * 1e-17
	THIO_DROME THIOREDOXIN (DEADHEAD PROTEIN) thioredoxin-I [THIOREDOXIN // THIOREDOXIN_2 // thiored] CG3864
CG3864	30C-30C2 ID:115A11
	+ unknown * isopentenyl-diphosphate delta isomerase(aa) * 1e-44 IPPI_YEAST ISOPENTENYL-DIPHOSPHATE DELTA-
CG5919	ISOMERASE (IPP ISOMERASE) * 3e-33 YMX3_CAEEL HYPOTHETIC CG5919 SD03046 93D4-93D4 ID:115A12
	+ * predicted using Genefinder; similar to thrombospondin like; cDNA EST comes from this gene; cDNA EST comes from this
CG2131	gene; cDNA EST yk195c9.3 comes [TSP1 // ig // NLS_BP // tsp_1 // ATP_GT] CG2131 39E7-39F1 dup:1/2 ID:115A3
CG13868	+ unknown * 0.000000000000008* * CG13868 SD03066 56F17-57A dup:4/4 ID:115B4
	+ unknown * contains a single LIM domain at the N-terminus.; cDNA EST comes from this gene; cDNA EST comes from this
CG10439	gene; cDNA EST yk357g9.5 comes from this ge [LIM_DOMAIN_1 // LIM_DOMAIN_2] CG10439 SD03168 57B1-57B1 ID:115C12
	+ unknown * coded for by C. elegans cDNA cm04e9; coded for by C. elegans cDNA CESAC59F(aa) * unknown(aa) * *
CG18112	CG18112 SD03121 99C5-99C5 ID:115C3
	+ I(2)not transmembrane_receptor * DMNOTB_2 I(2)not * Not22(aa) * putative Dol-P-Man dependent alpha(1-3)
CG4084	mannosyltransferase involved in the biosynthesis of the lipid-linked oligosac CG4084 SD03142 59F5-59F5 ID:115C6
CG15319	+ CG15319 SD03263 ID:115D11
CG5444	+ transcription_factor CG5444 dup:3/3 ID:115D3
	+ unknown * 3e-55 hypothetical protein YOL124c - yeast (Saccharomyces cerevisiae) (* 3e-51 hypothetical protein *
CG1074	Y724_METTH HYPOTHETICAL PROTEIN MTH724 methyl [N6_MTASE // N12N6MTFRASE] CG1074 SD03208 82C1-82C1

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+ 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
SD03227 01E3-01E4 ID:115D8

- CG6042 SD03227 91F3-91F4 ID:115D8 + cell_adhesion * DMDACHSOU_2 ds * contains similarity to multiple cadherin-type repeats(aa) * cadherin 18(aa) *
- CG6977 DMDEC 1 shg [CADHERIN // cadherin] CG6977 SD03311 87A-87A dup:5/5 ID:115E6
 - + EG:63B12.12 unknown * 9e-50 /match=(desc: * 7e-40 inserted at base Both 5' and 3' ends of P element Inverse PCR * CG14818 SD03316 2B14-2B14 dup:2/2 ID:115E7
- + unknown * pre-mRNA cleavage factor Im (25kD)(aa) * putative protein(aa) * predicted using Genefinder; cDNA EST
- CG3689 yk236h6.3 comes from this gene; cDNA EST yk23 CG3689 SD03330 67B2-67B2 dup:2/2 ID:115E9
 + signal_transduction * 5e-15 VPS9 protein yeast (Saccharomyces cerevisiae) (Z46 * 7e-28 cDNA EST yk210c11.3 comes
- CG9139 from this gene; cDNA EST yk210c11.5 co * 3e-09 Ras inhi CG9139 SD03358 61F5-62B4 dup:3/4 ID:115F1
- + RNA_binding * 2e-05 SUWA_DROME SUPPRESSOR OF WHITE APRICOT PROTEIN * 0.00000003* 4e-10 predicted protein * 2e-07 DMSUWA_6 su(w<up>a</up>) [SURP // PRO_RICH] CG6615 SD03435 73E4-73E4 dup:2/2 ID:115F12
- + Aac11 apoptosis_inhibitor * apoptosis inhibitor 5(aa) * Aac11(aa) * 1e-110 unknown * 1e-35 unknown protein CG6582 CG6582 SD03364 36C3-36C3 ID:115F2
- CG18278 + unknown * CG18278 SD03412 50A9-50A9 ID:115F5
- + enzyme * ripening-induced protein(aa) * 4e-20 putative protein * Strong similarity to auxin-induced protein from Vigna radiata CG17221 and a * ripening-induced pro [adh_zinc] CG17221 SD03451 23C5-23C5 ID:115G6
- + Es2 enzyme * HYPOTHETICAL 58.3 KD PROTEIN F42H10.7 IN CHROMOSOME III(aa) * ES2 protein(aa) * ES2 protein(aa) *
- CG1474 Es2 CG1474 SD03464 7E7-7E7 ID:115G8
 - + gammaCoptransporter * coat protein gamma-cop(aa) * COATOMER GAMMA SUBUNIT (GAMMA-COAT PROTEIN) (GAMMA-COP)(aa) * 1e-123 COPG_YEAST COATOMER GAMMA SUBUNIT (GAMMA-COAT PROT CG1528 SD03531 100D-100D ID:115H4
- CG1528 ID:115H4
- + unknown * PBK1 protein(aa) * 5e-11 predicted using Genefinder; Weak similarity to Mouse CSA-19 protei * 2e-16 PBK1 CG13096 protein * 7e-08 hypothetical protein [NLS BP] CG13096 SD03546 29D1-29D1 ID:115H5
 - + esc transcription_factor * DMESCOMBS_4 esc * 3e-08 YCW2_YEAST HYPOTHETICAL 57.0 KD TRP-ASP REPEATS CONTAINING PROTEIN IN CPR4-SSK2 * extra sex combs protein fruit fly (Dr[GPROTEINBRPT // RCC1_2 // WD40_REGION /]
- CG14941 CG14941 SD03549 33B1-33B2 ID:115H6
- CG6665 + unknown * HSPC012(aa) * * [NLS_BP] CG6665 SD03555 53E6-53E6 ID:115H7
- + Fas3 cell_adhesion * FASCICLIN III PRECURSOR (FAS III)(aa) * DMFCNIII_4 Fas3 * 0.00001* fasciclin III precursor fruit fly CG5803 (Drosophila melanogaster) CG5803 36F6-36F6 ID:115H8
- CG1363 + blow unknown * 1E-143 blown fuse* CG1363 SD03683 dup:2/2 ID:116A10.2
- CG8046 + transporter CG8046 SD03610 dup:1/2 ID:116A2
- CG12004 + unknown CG12004 SD03655 ID:116A6
- CG1973 + protein_kinase * unknown protein(aa) * 2e-22 hypothetical protein YOR112w yeast (Saccharomyces cerevisiae) * 3e-06

	CDK5_DROME CELL DIVISION PROTEIN KINASE HOMOLOG [PROTEIN_KINASE_DOM] CG1973 SD03656 99C2-99C2 ID:116A7
CG18409	+ CG18409 SD03761 dup:2/2 ID:116B5.2
CG5786	+ ppan unknown * Peter Pan(aa) * 4e-35 SSF1_YEAST SSF1 PROTEIN SSF1 protein - yeast (Saccharomyc * 1e-53 contains similarity to human RNA-binding protein FUS/TLS * 1 [NLS_BP] CG5786 SD03871 95F1-95F1 dup:1/3 ID:116C10
CG2694	+ EG:100G10.8 unknown * DMC95B7 * * by content; by match; LD Drosophila melanogaster(aa) * by content; 1-meth CG2694 SD03887 3B5-3B5 dup:1/2 ID:116C11
CG2094 CG1803	+ unknown CG1803 SD03837 dup:2/2 ID:116C2.2
CG 1003	+ 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
	+ transcription_factor transcription factor involved in DNA packaging MBD, NLS_BP, ZINC_FINGER_C2H2 CG10042
CG10042	SD03893 dup:1/2 ID:116D1
CG4281	+ EG:22E5.7 unknown * /match=(desc:(aa) * /match=(desc: * * CG4281 SD03946 2C5-2C6 dup:2/2 ID:116D9.2
	+ signal_transduction * HYPOTHETICAL 94.2 KD PROTEIN C38D4.5 IN CHROMOSOME III(aa) * 2e-05 /match=(desc:; /ma *
00-1	2e-05 RIP1 * 3e-12 98K GTPase-activating protein ABR, brain [RHO_GAP // RhoGAP] CG7122 SD04011 16F7-16F7 dup:4/5
CG7122	ID:116E6
CG9433	+ Xpd DNA_repair_protein Xerodema pigmentosum D nucleotide-excision repair DEAH_ATP_HELICASE, XRODRMPGMNTD CG9433 SD04012 dup:3/3 ID:116E7
CG1902	+ CRAL_TRIO ligand_binding_or_carrier CG1902 SD04017 dup:2/2 ID:116E8
CG1902 CG12706	+ CG12706 SD04019 dup:2/4 ID:116E9.2
CG12700	+ translation_factor * 3e-06 Pdd1p Pdd1p thermoph * * [chromo // CHROMO_2] CG10712 79F5-79F5 dup:3/4 ID:116F1
CG17556	+ unknown CG17556 SD04068 dup:2/2 ID:116F7.2
CG9344	+ RNA binding CG9344 ID:116F8
003344	+ alpha-Adaptin transporter * highly similar to alpha-adaptin (rat and mouse)(aa) * DMALPADPT_2 agr;-Adaptin * adaptor-related
CG4260	protein complex AP-2, alpha subunit(aa) * ALPHA-AD CG4260 SD04083 21C2-21C2 dup:2/3 ID:116F9
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
CG8593	+ unknown CG8593 dup:2/2 ID:116H4
	+ transcription_factor * 1e-10 YJF6_YEAST HYPOTHETICAL 98.9 KD ZINC FINGER PROTEIN IN BTN1-PEP8 INTERGENIC
004000	REG * 7e-12 Kr-h * 1e-05 similar to Zinc finger, C2H2 type[zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG13620 96A13-96A14
CG13620	dup:3/3 ID:116H5.2
CG5530	+ expressed in the embryo (head, mesectoderm, mesoderm anlagen CG5530 SD04373 dup:1/2 ID:117B10
CG5953	+ It has been mapped cytologically to 36A23 PRO_RICH CG5953 SD04335 dup:1/3 ID:117B7

unknown PHO85 protein PIPLC_X_DOMAIN CG2818 SD04355 dup:1/2 ID:117B8

CG1977	+ alpha-Spec actin_binding * DMLETHAL_2 Actn * DMSPCA_2 agr;-Spec * SPECTRIN ALPHA CHAIN(aa) * 3e-15 USO1_YEAST INTRACELLULAR PROTEIN TRANSPORT PROTEIN USO1 ([spectrin // SPEC_REPEAT // EF_HAND // S] CG1977 SD04436 62B-62B dup:2/7 ID:117C8
CG14971	
CG14971 CG9531	
CG9551	+ CG9531 SD04586 dup:3/3 ID:117E5 + 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
000000	+ cell_adhesion * robo * similar to IG (immunoglobulin) superfamily (17 domains), Low-density lipoprotein receptor domain
	class A (3 domains), Laminin EGF-like (Doma[LDLRA_2 // ig // RNP_1 // EGF_1 // EGF] CG7981 SD04592 3A2-3A3 dup:4/4
CG7981	ID:117E7
CG17156	+ transcription_factor CG17156 SD04616 dup:2/2 ID:117E9
	+ 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
CG7623	+ transporter CG7623 SD04658 dup:1/2 ID:117F5
	+ protein_kinase * protein(aa) * cdc2-like protein kinase(aa) * 3e-65 CTK1_YEAST CTD KINASE ALPHA SUBUNIT (CTD
	KINASE KD SUBUNIT) (CTDK-I ALPHA SUB * 6e-69 posi[PROTEIN_KINASE_ST // PROTEIN_KINASE_DOM] CG7597 SD04681
CG7597	78E1-78E1 dup:2/3 ID:117F7.2
	+ enzyme * mitochondrial and cytoplasmic valyl-tRNA synthetase; Vas1p(aa) * Valyl tRNA Synthetase(aa) * VALYL-TRNA
004000	SYNTHETASE (VALINETRNA LIGASE) (VALRS)(aa) [tRNA-synt_1 // AA_TRNA_LIGASE_I // TRNA] CG4062 SD04748 49F10-
CG4062	49F10 dup:2/5 ID:117G8
CG6006	+ Orct transporter Orct Organic cation transporter 2 CG6006 SD04753 ID:117G9
CG18061	+ CG18061 SD04793 ID:117H2
CG5608	+ unknown * BLASTX 7.0E-38 YLR386W Protein of unknown function(dna) * BLASTX 7.0E-38 YLR386W Protein of unknown function(dna) * BLASTX 7.0E-38 YLR386W Protein o CG5608 SD04925 87C-87C dup:2/2 ID:118A11
CG3606	+ unknown * 1e-28 weak similarity to chromosomal replicator initiator protein DNAA (* similar to a C.elegans protein encoded
CG11943	in cosmid * CG11943 SD04935 19A3-19A3 dup:3/7 ID:118A12
CG1707	+ CG1707 SD04870 dup:2/2 ID:118A2.2
CG15618	+ CG15618 SD04871 dup:1/4 ID:118A3
CG14800	+ no blast hits pioneer protein? CG14800 SD04906 dup:1/2 ID:118A8
CG17436	+ CG17436 ID:118A9
0011100	+ Mcm6 DNA_replication_factor Minichromosome maintenance 6, chromatin binding involved in pre-replicative complex formation
CG4039	MCM, MCM_1, MCM_2 CG4039 SD04977 dup:3/3 ID:118B11
	+ 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
000013	+ unknown * 1e-149 inserted at base Both 5' and 3' ends of P element Inverse PCR * BLASTX 4.2E-08 Carrot gene for
CG8929	extensin.(dna) * 2e-61 inserted at base Both 5 [PRO_RICH // NLS_BP] CG8929 SD04973 57A-57A dup:2/3 ID:118B9
000000	+ GTP binding 108000000 SD05004 ID:118C1
CG2385	+ CG2385 SD05054 dup:1/2 ID:118C5
CG1787	+ enzyme CG1787 SD05059 ID:118C6
CG1832	+ transcription_factor CG1832 SD05094 dup:2/5 ID:118C8.2
CG4141	+ Pi3K92E enzyme 1-phosphatidylinositol 3-kinase PI3K-C2, PI3K-rbd, PI3Ka, PI3-PI4-kinase CG4141 SD05105 ID:118C9
CG2971	+ CG2971 ID:118D1
	+ dally cell_adhesion * dally * DALY_DROME DIVISION ABNORMALLY DELAYED PROTEIN PRECURSOR (DALLY PROTEIN) * 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
CG9366	+ enzyme CG9366 SD05212 ID:118D6
none	+ none SD05284 ID:118E10
CG17148	+ enzyme CG17148 SD05284 ID:118E10.2
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
CG7143	+ DNA_repair_protein CG7143 SD05329 dup:2/2 ID:118F3
000440	+ enzyme * alpha-1,6-fucosyltransferase(aa) * No definition line found(aa) * fucosyltransferase (alpha (1,6)
CG2448	fucosyltransferase)(aa) * 1e-100 No definition lin CG2448 SD05335 10D4-10D4 dup:2/2 ID:118F5 + 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
007100	+ BcDNA:GH13356 enzyme beta galactosyltransferase MITOCH CARRIER, XYLOSE ISOMERASE 2 CG8536 SD05469 dup:1/2
CG8536	ID:118G11
	+ eIF-4E translation_factor * Eif4E * 2e-28 IF4E_YEAST EUKARYOTIC TRANSLATION INITIATION FACTOR 4E (EIF-4E) (EIF4E)
CG4035	(MRNA CA * 1e-121 IF4E_DROME EUKARYOTIC TRANSLATION INITIATION CG4035 SD05406 67B2-67B2 dup:3/4 ID:118G2.2
	+ transporter * Ydr205wp(aa) * 5e-09 Zn/Cd resistance gene * 1e-06 cDNA EST yk447c2.5 comes from this gene; cDNA EST
CG6672	co * 1e-06 zinc transporter ZnT-1 - mouse ZnT-1 [KININOGEN] CG6672 86D7-86D7 dup:1/2 ID:118G3

CG6339	+ motor_protein CG6339 SD05424 ID:118G5		
0040007	+ 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		
CG7110	+ unknown * [NLS_BP] CG7110 SD05480 34B7-34B7 dup:2/3 ID:118H1		
CG8902	+ CG8902 dup:2/4 ID:118H6		
CG13384	+ transporter putative amino acid transport protein AROMATIC_AA_PERMEASE_2 CG13384 SD05512 dup:2/4 ID:118H7		
CG8368	+ enzyme CG8368 SD05518 ID:118H9		
CG10254	+ enzyme CG10254 SD05555 dup:4/4 ID:119A2.2		
	+ 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 SD05570		
CG7795	dup:1/2 ID:119A4		
CG5721	+ pioneer protein CG5721 SD05591 ID:119A7		
CG8159	+ transcription_factor CG8159 SD05592 ID:119A8		
	+ 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		
	+ 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		
CG7161	+ CG7161 SD05642 dup:1/2 ID:119B4		
00	+ transcription_factor * requiem, apoptosis response zinc finger gene; neuroD4; ubi-d4(aa) * All-1 related protein(aa) * probable		
CG12238	transcription factor requiem - mouse(aa) * [PHD] CG12238 SD05644 18D9-18D10 dup:2/3 ID:119B5		
00=40=	+ signal_transduction PLAP_MOUSE PHOSPHOLIPASE A-2-ACTIVATING PROTEIN GPROTEINBRPT, WD40,		
CG5105	WD40_REGION, WD_REPE] CG5105 SD05646 ID:119B6		
000000	+ 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		
CG2108 CG9717	•		
CG8877	+ CG8877 SD05715 dup:2/2 ID:119C11.2		
CG7821	+ CG7821 SD05678 ID:119C2		
CG11168	+ cytoskeletal_structural_protein CG11168 SD05685 ID:119C4		

0047450	+ RNAS_binding homology with Drosophila dip1 (disco interacting protein) gene, a new member of the Staufen family of RNA
CG17452	binding proteins CG17452 SD05690 ID:119C6
CG17437	+ signal_transduction * AND-1 protein(aa) * bgr;'Cop * 6e-29 Met30p * 3e-28 Slimb [GPROTEINBRPT // GPROTEINB // WD40_REGIO] CG17437 3A8-3A8 dup:3/3 ID:119D12.2
0017437	+ 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
CG11874	+ enzyme CG11874 SD05769 dup:3/3 ID:119D7.2
CG12016	+ enzyme * [ATP GTP A] CG12016 SD05789 63C5-63C5 dup:1/3 ID:119D9
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 SD05876
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
	+ 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
007404	+ DNA_binding * selected as a weak suppressor of a mutant of the subunit AC40 of DNA dependant RNA polymerase I and
CG7421	III(aa) * nucleolar phosphoprotein - African cla [NLS_BP // HISTONEH5] CG7421 SD05988 79A5-79A5 ID:119F11 + unknown * protein(aa) * 4e-83 cDNA EST comes from this gene; cDNA EST co * CG10080 SD05932 57F5-57F5 dup:2/3
CG10080	ID:119F2
CG5853	+ transporter CG5853 SD06390 dup:2/3 ID:119G10.2
CG18019	+ CG18019 SD06401 dup:2/2 ID:119G12.2
CG1553	+ CG1553 SD06318 dup:4/5 ID:119G2.2
CG3075	+ transcription factor CG3075 SD06336 dup:2/2 ID:119G4.2
CG4427	+ transcription factor CG4427 SD06353 dup:2/2 ID:119G5.2
004427	+ unknown * 3e-83 YOJ1_CAEEL HYPOTHETICAL 63.5 KD PROTEIN ZK353.1 IN CHROMOSOME III * * CG14939 33B1-
CG14939	33B1 dup:2/3 ID:119G8.2
	+ 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
CG11860	+ BG:DS07851.11 unknown * CG11860 35C4-35C4 dup:2/2 ID:119H7
	+ unknown * 3e-05 inserted at base Both 5' and 3' ends of P element Inverse PCR * * [PRO_RICH] CG12305 SD06514 52C4-
CG12305	52C5 dup:7/8 ID:119H8
CG7090	+ enzyme CG7090 SD06635 dup:1/2 ID:120A12.2
CG11844	+ unknown CG11844 SD06613 dup:1/2 ID:120A6.2

CG1691	+ RNA binding CG1691 SD07045 dup:1/3 ID:120E7.2
001001	+ unknown * 2e-83 inserted at base 5' end of P element Inverse PCR * 1e-124 inserted at base Both 5' and 3' ends of P
CG2765	element Inverse PCR * CG2765 SD07219 60E5-60E5 dup:3/5 ID:120G10.2
CG18218	+ CG18218 SD07272 dup:1/4 ID:120H6.2
CG4510	+ CG4510 SD09607 dup:1/2 ID:124A6.2
CG3140	+ adenylate_kinase CG3140 SD09634 dup:1/2 ID:124A9.2
CG3608	+ chaperone CG3608 SD09850 dup:1/2 ID:124C12.2
CG15613	+ CG15613 SD09786 dup:1/2 ID:124C3.2
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
CG3616	+ cytochrome_P450 CG3616 SD10018 dup:1/2 ID:124F2.2
CG15009	+ CG15009 SD10052 dup:1/2 ID:124F9.2
	+ 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
CG3973	+ CG3973 dup:1/2 ID:124H12.2
CG6501	+ unknown CG6501 SD10213 dup:1/2 ID:124H5.2
CG2604	+ unknown CG2604 SD10384 dup:1/2 ID:125B2.2
CG12846	+ unknown CG12846 SD10395 dup:1/2 ID:125B5.2
CG5370	+ endopeptidase CG5370 SD10530 dup:1/2 ID:125C11.2
	+ cytoskeletal_structural_protein * 2e-21 Similarity to N.crassa ADP/ATP carrier protein (SW:ADT_NEUCR) * 7e-05
004000	TPCC_MOUSE TROPONIN C, SLOW SKELETAL AND CARDIAC MUSCLES (TN-C) * 4e-05 CG18022 SD10992 69B3-69B3
CG18022	ID:126A10
	+ 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
002331	+ emb transporter * CRM1 YEAST CHROMOSOME REGION MAINTENANCE PROTEIN CRM1 * strong similarity to CRM1
	chromosome maintenance protein from y * exportin (CRM1, yeast, ho [LIPOYL // IBN_NT] CG13387 GH01059 29C1-29C1 dup:1/2
CG13387	ID:30A3
	+ Nmdmc NAD-DEPENDENT METHYLENETETRAHYDROFOLATE DEHYDROGENASE CG18466 GH01066 85C5-85C5
CG18466	ID:30A5
	+ 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	CG5808 GH01073 96B1-96B1 ID:30A6

CG7262 NUCLEOPORIN-INTERACTING COMPONENT nucle		+ structural_protein * unknown(aa) * Allele: hi4(aa) * gene is related to S.cerevisiae NIC96 gene.(aa) * 7e-24 NI96_YEAST KD
+ enzyme inhibitor * 7e-15 proteasome inhibitor hPl31 subunit ** CG8979 GH01278 4807-4807 ID:30810 + Trat2 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 receptiRNP_1/ zf-C3HC4 // ZHNC_FINGER_C3HC4 CG10961 GH01161 7D14-7D14 ID:3083 + unknown * No definition line found(aa) * No definition line found * H19J13.1 (AL009 * [CRYSTALLIN_BETAGAMMA] CG3332 CG9323 GH01206 29E-23E ID:3087 + unknown * Not081cp(aa) * 5e-49 YK61_YEAST HYPOTHETICAL 39.6 KD PROTEIN IN MTD1-NUP133 INTERGENIC CG7993 REGION * ORF YKR401 * CG7993 GH01229 90F1-90F1 ID:3088 + transcription_factor * crol * 1e-32 CR0L_ALPHA * 1e-17 final three exons similar to C2H2-type zinc finger * 1e-31 kruppel-type zinc finger protein [zf-C2H2_YZINC_FINGER_C2H2 / ZINC_FINGER_C2H2 / ZINC_FINGER_C2H2 / ZINC_FINGER_C4140) (CHRAC KD SUBUNIT) (NURF-140) (CHRAC KD SUBUNIT)(aa) * DMISWI 6 Iswi * 8e-94 YAB9_YEAST [helicase_C / SNF2_N] CG5899 GH01265 4283-4283 ID:3089 + DNA_binding * merlin * 1e-105 coded for by C. elegans cDNA yk16715.5; coded for by C. elegans cDNA yk13018.5; * 1e- 135 MER_MOUSE MERLIN (SCHWANNOMIN) merlin - mo [Band_41 / BAND41 / ERM / ERMFAMILY] CG14228 GH01330 CG14228 18E1-18E1 ID:30C2 + 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 + Aph4 enzyme * jaklaine phosphatases (ab * 3e-28 repressible alkaline phosphatase / EC 3.13.1) * 4e-95 PBBE_MOUSE ALKALINE PHOSPHATASE, EMBRYONIC PRECURSOR (EAP) e [ALKALINE PHOSPHATASE // ALKPHPHTASE //] CG1462 GH01338 100B-100B dup:1/3 ID:30C7 + protein phosphatase * 3e-41 LAR_DROME PROTEIN-TYROSINE PHOSPHATASE // ALKPHPHTASE //] CG1455 GH01338 100B-100B dup:1/3 ID:30C7 + enzyme * inhibitor of growth 1-like(aa) * 3e-12 YHPD_YEAST HYPOTHETICAL 32.1 KD PROTEIN IN GAR1-MSR1 HTHOR * Inhibitor of growth 1-like(aa) * 3e-12 YHPD_YEAST HYPOTHETICAL 32.1 K	CG7262	
+ Traf2 signal transduction *TNF-receptor-associated factor melanoga * 8e-06 YQ57_CAEEL HYPOTHETICAL 24.9 KD PROTEIN C16610.7 IN CHROMOSOME III * 4e-38 TRAF6 * 1e-36 TNF recept[RNP_1 // zf-C3HC4 // ZINC_FINGER_C3HC4] CG10961 GH01161 7D14-7D14 ID:30B3	CG8979	+ enzyme inhibitor * 7e-15 proteasome inhibitor hPI31 subunit * * CG8979 GH01278 48D7-48D7 ID:30B10
CG10961 GH01161 7D14-7D14 ID:30B3 + unknown * No definition line found(aa) * No definition line found * H19J13.1 (AL009 * [CRYSTALLIN_BETAGAMMA] CG3332 GH01206 23E-23E ID:30B7 + unknown * Ykr081cp(aa) * 56-49 YK61_YEAST HYPOTHETICAL 39.6 KD PROTEIN IN MTD1-NUP133 INTERGENIC REGION * ORF YKR401 * CG7993 GH01229 90F1-90F1 ID:30B8 + transcription_factor * crol * 1e-32 CROL ALPHA * 1e-17 final three exons similar to C2H2-type zinc finger * 1e-31 kruppel- type zinc finger protein [zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG12397 GH01265 42B3-42B3 ID:30B9 + DNA_binding * ISWI PROTEIN (IMITATION SWI PROTEIN) (NUCLEOSOME REMODELING FACTOR KD SUBUNIT) (NURF-140) (CHRAC KD SUBUNIT)(aa) * DMISWI_6 Iswi * 8e-94 YAB9_YEAST [helicase_C // SNF2_N] CG5899 GH01406 33A1-33A1 ID:30C10 + Mer actin_binding * merlin * 1e-105 coded for by C. elegans cDNA yk167f5.5; coded for by C. elegans cDNA yk130f8.5; * 1e- 135 MRRL_MOUSE MERLIN (SCHWANNOMIN) merlin - mo [Band_41 // BAND41 // ERM // ERMFAMILY] CG14228 GH01330 CG14228 18E1-18E1 ID:30C2 + 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 + 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 GH01338 100B-100B dup:1/2 ID:30C5 + protein_phosphatase * 3e-41 LAR_DROME PROTEIN-TYROSINE PHOSPHATASE // ALKPHPHTASE //] CG1462 GH335 GH01333 22A1-22A1 dup:1/3 ID:30C7 + Hn enzyme * DMPAH Hn * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.16.16.1) - fr		
+ unknown * No definition line found(aa) * No definition line found * H19J13.1 (AL009 * [CRYSTALLIN_BETAGAMMA] CG3332 GH01206 23E-23E ID:30B7 + unknown * Ykr081cp(aa) * 5e-49 YK61_YEAST HYPOTHETICAL 39.6 KD PROTEIN IN MTD1-NUP133 INTERGENIC REGION * ORF YKR401 * CG7993 GH01229 90F1-90F1 ID:30B8 + transcription factor * crol * 1e-32 CROL ALPHA * 1e-17 final three exons similar to C2H2-type zinc finger * 1e-31 kruppel-type zinc finger protein [zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG12397 GH01265 42B3-42B3 ID:30B9 + DNA_binding * ISWI PROTEIN (IMITATION SWI PROTEIN) (NUCLEOSOME REMODELING FACTOR KD SUBUNIT) (NURF-140) (CHRAC KD SUBUNIT)(aa) * DMISWI_6 Iswi * 8e-94 YAB9_YEAST [helicase_C // SNF2_N] CG5899 GH01406 CG5899 33A1-33A1 ID:30C10 + Mer actin_binding * mertin * 1e-105 coded for by C. elegans cDNA yk16715.5; coded for by C. elegans cDNA yk130f8.5; * 1e-135 MERL_MOUSE MERLIN (SCHWANNOMIN) mertin - mo [Band_41 // BAND41 // ERM // ERMFAMILY] CG14228 GH01330 CG14228 18E1-18E1 ID:30C2 + 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 + Aph-4 enzyme * alkaline phosphatase(aa) * 3e-28 repressible alkaline phosphatase (EC 3.1.3.1) * 4e-95 PPBE_MOUSE ALKALINE PHOSPHATASE_E EMBRYONIC PRECURSOR (EAP) e [ALKALINE_PHOSPHATASE // ALKPHPHTASE //] CG1462 GH01338 100B-100B dup:1/2 ID:30C5 + protein_phosphatase * 3e-41 LAR_DROME PROTEIN-TYROSINE PHOSPHATASE Ad similar to protein-tyrosine phosphatase with [Y_phosphatase // TYR_PHOSPHATASE_PTP //] CG4355 CG4355 GH01353 22A1-22A1 dup:1/3 ID:30C7 + Hn enzyme * Inhibitor of growth 1-like(aa) * 3e-12 YHPO_YEAST HYPOTHETICAL 32.1 KD PROTEIN IN GAR1-MSR1 CG7399 INTERGENIC REGION * 5e-11 predicted using Genefinder: sii [PHD] CG7379 GH01429 9381-3981 dup:1/2 ID:30D4 + enzyme * PROBABLE SUCCINYL-COA:3-KETOACID-COENZYME A TRANSFERASE PRECURSOR (3-0XOACID COA-TRANSFERASE)(aa) * 3-0xoacid CoA transferase precursor; succinyl-Co [C		
CG3332 CH01206 23E-23E ID:30B7 + unknown * Ykr081cp(aa) * 5e-49 YK61_YEAST HYPOTHETICAL 39.6 KD PROTEIN IN MTD1-NUP133 INTERGENIC CG7993 CH01206 PK7 YKR401 * CG7993 GH01229 90F1-90F1 ID:30B8 + transcription_factor * crol * 1e-32 CROL_ALPHA * 1e-17 final three exons similar to C2H2-type zinc finger * 1e-31 kruppel- type zinc finger protein [zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG12397 GH01265 42B3-42B3 ID:30B9 + DNA_binding * ISWI PROTEIN (IMITATION SWI PROTEIN) (NUCLEOSOME REMODELING FACTOR KD SUBUNIT) (NURF-140) (CHRAC KD SUBUNIT)(aa) * DMISWI_6 Iswi * 8e-94 YAB9_YEAST [helicase_C // SNF2_N] CG5899 GH01406 33A1-33A1 ID:30C10 + Mer actin_binding * merlin * 1e-105 coded for by C. elegans cDNA yk167f5.5; coded for by C. elegans cDNA yk130f8.5; * 1e- 135 MERL_MOUSE MERLIN (SCHWANNOMIN) merlin - mo [Band_41 // BAND41 // ERM // ERMFAMILY] CG14228 GH01330 CG14228 18E1-18E1 ID:30C2 + enzyme * protein kinase C-binding protein RACK7(aa) * deformed epidermal autoregulatory factor 1(aa) * No definition line CG1815 found(aa) * adenovirus E1A binding [PHD] CG1815 GH01331 100D4-100D4 dup:1/2 ID:30C3 + 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 GH01353 22A1-22A1 dup:1/3 ID:30C7 + hn enzyme * DMPAH Hn * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * Phenylalanine 4-monooxygenase (EC 1.14.16.1) - f CG7399 GH01426 66A11-66A12 dup:2/2 ID:30D2 + enzyme * inhibitor of growth 1-like(aa) * 3e-12 YHPO_YEAST HYPOTHETICAL 32.1 KD PROTEIN IN GAR1-MSR1 CG7399 INTERGENIC REGION * 5e-11 predicted using Genefinder; si [PHD] CG7379 GH014429 93B1-93B1 dup:1/2 ID:30D4 + enzyme	CG10961	
+ unknown * Nkr081cp(aa) * 5e-49 YK61_YEAST HYPOTHETICAL 39.6 KD PROTEIN IN MTD1-NUP133 INTERGENIC REGION * ORF YKR401 * CG7993 GH01229 90F1-90F1 ID:30B8 + transcription_factor * crof * 1e-32 CROL ALPHA * 1e-17 final three exons similar to C2H2-type zinc finger * 1e-31 kruppel-type zinc finger protein [zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG12397 GH01265 42B3-42B3 ID:30B9 + DNA_binding * ISWI PROTEIN (IMITATION SWI PROTEIN) (NUCLEOSOME REMODELING FACTOR KD SUBUNIT) (NURF-140) (CHRAC KD SUBUNIT)(aa) * DMISWI_6 Iswi * 8e-94 YAB9_YEAST [helicase_C // SNF2_N] CG5899 GH01406 CG5899 33A1-33A1 ID:30C10 + Mer actin_binding * merlin * 1e-105 coded for by C. elegans cDNA yk167f5.5; coded for by C. elegans cDNA yk130f8.5; * 1e-135 MERL_MOUSE MERLIN (SCHWANNOMIN) merlin - mo [Band_41 // BAND41 // ERM // ERMFAMILY] CG14228 GH01330 CG14228 18E1-18E1 ID:30C2 + 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 + Aph-4 enzyme * slakline 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 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 GH01353 22A1-22A1 dup:1/3 ID:30C7 + Hn enzyme * DMPAH Hn * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * Phenylalanine 4-monooxygenase (EC 0.1.4.16.1) - fruit fly (Drosophila melanogaste		\cdot
REGION * ORF YKR401 * `CĠ7993 GH01229 90F1-90F1 ID:30B8	CG3332	
+ transcription factor * crol * 1e-32 CROL ALPHA * 1e-17 final three exons similar to C2H2-type zinc finger * 1e-31 kruppel-type zinc finger protein [zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG12397 GH01265 42B3-42B3 ID:30B9 + DNA_binding * ISWI PROTEIN (IMITATION SWI PROTEIN) (NUCLEOSOME REMODELING FACTOR KD SUBUNIT) (NURF-140) (CHRAC KD SUBUNIT)(aa) * DMISWI_6 Iswi * 8e-94 YAB9_YEAST [helicase_C // SNF2_N] CG5899 GH01406 33A1-33A1 ID:30C10 + Mer actin, binding * merlin * 1e-105 coded for by C. elegans cDNA yk167f5.5; coded for by C. elegans cDNA yk130f8.5; * 1e-135 MERL_MOUSE MERLIN (SCHWANNOMIN) merlin - mo [Band_41 // BAND41 // ERM // ERMFAMILY] CG14228 GH01330 CG14228 18E1-18E1 ID:30C2 + 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 + 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 GG4355 GH01353 22A1-22A1 dup:1/3 ID:30C7 + Hn enzyme * DMPAH Hn * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * enzyme * inhibitor of growth 1-like(aa) * 3e-12 YHPD_YEATH HYPOTHETICAL 32.1 KD PROTEIN IN GAR1-MSR1 CG7379 INTERGENIC REGION * 5e-11 predicted using Genefinder; si [PHD] CG7379 GH01429 93B1-93B1 dup:1/2 ID:30D4 + enzyme * PROBABLE SUCCINYL-COA:3-KETOACID-COENZYME A TRANSFERASE PRECURSOR (3-OXOACID COA-TRANSFERASE)(aa) * 3-oxoacid CoA transferase precursor; succinyl-Co [COA_TRANSF] // COA_TRANSF_2 // COA_tra] CG1140 GG1	007000	
type zinc finger protein [zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG12397 GH01265 42B3-42B3 ID:30B9 + DNA_binding * ISWI PROTEIN (IMITATION SWI PROTEIN) (NUCLEOSOME REMODELING FACTOR KD SUBUNIT) (NURF-140) (CHRAC KD SUBUNIT) (a) * DMISWI_6 Iswi * 8e-94 YAB9_YEAST [helicase_C // SNF2_N] CG5899 GH01406 33A1-33A1 ID:30C10 + Mer actin_binding * merlin * 1e-105 coded for by C. elegans cDNA yk167f5.5; coded for by C. elegans cDNA yk130f8.5; * 1e-135 MERL_MOUSE MERLIN (SCHWANNOMIN) merlin - mo [Band_41 // BAND41 // ERM // ERMFAMILY] CG14228 GH01330 18E1-18E1 ID:30C2 + 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 + 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 GH01338 100B-100B dup:1/2 ID:30C5 + protein_phosphatase * 3e-41 LAR_DROME PROTEIN-TYROSINE PHOSPHATASE DLAR PRECURSOR (PROTEIN-TYROSINE-PHOSPHATASE DLAR PRECURSOR (PROTEIN-TYROSINE-PHOSPHATASE DLAR PRECURSOR (PROTEIN-TYROSINE-PHOSPHATASE DLAR PRECURSOR (PROTEIN-TYROSINE-PHOSPHATASE DLAR PRECURSOR (PROTEIN-TYROSINE PHOSPHATASE DLAR PREC	CG7993	
+ DNA_binding * ISWI PROTEIN (IMITATION SWI PROTEIN) (NUCLEOSOME REMODELING FACTOR KD SUBUNIT) (NURF-140) (CHRAC KD SUBUNIT)(a) * DMISWI_6 Iswi * 8e-94 YAB9_YEAST [helicase_C // SNF2_N] CG5899 GH01406 CG5899 33A1-33A1 ID:30C10 + Mer actin_binding * merlin * 1e-105 coded for by C. elegans cDNA yk167f5.5; coded for by C. elegans cDNA yk130f8.5; * 1e-135 MERL_MOUSE MERLIN (SCHWANNOMIN) merlin - mo [Band_41 // BAND41 // ERM // ERMFAMILY] CG14228 GH01330 CG14228 18E1-18E1 ID:30C2 + 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 + 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 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 GH01353 22A1-22A1 dup:1/3 ID:30C7 + Hn enzyme * DMPAH Hn * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - f CG7399 GH01426 66A11-66A12 dup:2/2 ID:30D2 + enzyme * inhibitor of growth 1-like(aa) * 3e-12 YHPO_YEAST HYPOTHETICAL 32.1 KD PROTEIN IN GAR1-MSR1 CG7379 INTERGENIC REGION * 5e-11 predicted using Genefinder; si [PHD] CG7379 GH01429 93B1-93B1 dup:1/2 ID:30D4 + enzyme * PROBABLE SUCCINYL-COA:3-KETOACID-COENZYME A TRANSFERASE PRECURSOR (3-OXOACID COATRANSFERASE)(aa) * 3-oxoacid CoA transferase precursor; succinyl-Co [COA_TRANSF_1 // COA_TRANSF_2 // COA_tra] CG1140 CG1140 GH01464 62B11-62B11 ID:30D6 + dim-7 unknown * RanBP7(aa) * 1e-73 NMD5_YEAST NONSENSE-MEDIATED MRNA DECAY PROTEIN NMD5 * 8E-26* RanBP7/importin [IBN_NT] CG7935 GH01576 66B9-67E3 dup:3/3 ID:30E1 + function_unknown *	0040007	
(NURF-140) (CHRÃC KD SUBUNIT)(aa) * DMISWI_6 Iswi * 8e-94 YAB9_YEAST [helicase_C // SNF2_N] CG5899 GH01406 G33A1-33A1 ID:30C10 + Mer actin_binding *merlin * 1e-105 coded for by C. elegans cDNA yk167f5.5; coded for by C. elegans cDNA yk130f8.5; * 1e- 135 MERL_MOUSE MERLIN (SCHWANNOMIN) merlin - mo [Band_41 // BAND41 // ERM // ERMFAMILY] CG14228 GH01330 CG14228 18E1-18E1 ID:30C2 + 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 + 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 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 + Hn enzyme * DMPAH Hn * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - f CG7399 GH01426 66A11-66A12 dup:2/2 ID:30D2 + enzyme * inhibitor of growth 1-like(aa) * 3e-12 YHP0_YEAST HYPOTHETICAL 32.1 KD PROTEIN IN GAR1-MSR1 CG7379 INTERGENIC REGION * 5e-11 predicted using Genefinder; si [PHD] CG7379 GH01429 93B1-93B1 dup:1/2 ID:30D4 + enzyme * PROBABLE SUCCINYL-COA:3-KETOACID-COENZYME A TRANSFERASE PRECURSOR (3-OXOACID COA-TRANSFERASE)(aa) * 3-oxoacid CoA transferase precursor; succinyl-Co [COA_TRANSFE 1 // COA_TRANSF_2 // CoA_tra] CG1140 GH01464 62B11-62B11 ID:30D6 + dim-7 unknown * RanBP7(aa) * 1e-73 NMD5_YEAST NONSENSE-MEDIATED MRNA DECAY PROTEIN NMD5 * 8E-26* RanBP7/importin [IBN_NT] CG7935 GH01576 66B9-67E3 dup:3/3 ID:30E1 + function_unknown * similar to NifU protein homolog(aa) * Iron-sulfur cluster nifU-like protein; Isu1p(aa) * NifU-l	CG12397	
CG5899 33A1-33A1 ID:30C10 + Mer actin_binding * merliin * 1e-105 coded for by C. elegans cDNA yk167f5.5; coded for by C. elegans cDNA yk130f8.5; * 1e- 135 MERL_MOUSE MERLIN (SCHWANNOMIN) merlin - mo [Band_41 // BAND41 // ERM // ERMFAMILY] CG14228 GH01330 CG14228 18E1-18E1 ID:30C2 + 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 + 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 + Hn enzyme * DMPAH Hn * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (
+ Mer actin_binding * merlin * 1e-105 coded for by C. elegans cDNA yk167f5.5; coded for by C. elegans cDNA yk130f8.5; * 1e- 135 MERL_MOUSE MERLIN (SCHWANNOMIN) merlin - mo [Band_41 // BAND41 // ERM // ERMFAMILY] CG14228 GH01330 CG14228	CG5800	
135 MERL_MOUSE MERLIN (SCHWANNOMIN) merlin - mo [Band_41 // BAND41 // ERM // ERMFAMILY] CG14228 GH01330 18E1-18E1 ID:30C2 + 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 + 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 + Hn enzyme * DMPAH Hn * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * Phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * Phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * Phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * Phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * Phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * Phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * Phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * CG7399 Honolalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * CG7399 Honolalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * CG7399 Honolalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * CG73	003033	
CG14228 18E1-18E1 ID:30C2 + 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 + 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 GH01353 22A1-22A1 dup:1/3 ID:30C7 + Hn enzyme * DMPAH Hn * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * Drosophila melanogaster)(aa) * GG1349 GB141 ID:30D2 + enzyme * PROBABLE SUCCINYL-COA:3-KETOACID-COENZYME A TRANSFERASE PRECURSOR (3-OXOACID COATRANSFERASE)(aa) * 3-oxoacid CoA transferase precursor; succinyl-Co [COA_TRANSF_1 // COA_TRANSF_2 // CoA_tra] CG1140 GH01464 62B11-62B11 ID:30D6 + dim-7 unknown * s		
+ 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 + 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 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 GH01353 22A1-22A1 dup:1/3 ID:30C7 + Hn enzyme * DMPAH Hn * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * (CG7399 the inhibitor of growth 1-like(aa) * 3e-12 YHPO_YEAST HYPOTHETICAL 32.1 KD PROTEIN IN GAR1-MSR1 INTERGENIC REGION * 5e-11 predicted using Genefinder; si [PHD] CG7379 GH01429 93B1-93B1 dup:1/2 ID:30D4 + enzyme * PROBABLE SUCCINYL-COA:3-KETOACID-COENZYME A TRANSFERASE PRECURSOR (3-OXOACID COATRANSFERASE)(aa) * 3-oxoacid CoA transferase precursor; succinyl-Co [COA_TRANSF_1 // COA_TRANSF_2 // CoA_tra] CG1140 GH01464 62B11-62B11 ID:30D6 + dim-7 unknown * RanBP7(aa) * 1e-73 NMD5_YEAST NONSENSE-MEDIATED MRNA DECAY PROTEIN NMD5 * 8E-26* CG7935 RanBP7/importin [IBN_NT] CG7935 GH01576 66B9-67E3 dup:3/3 ID:30E1 + function_unknown * similar to NifU protein homolog(aa) * Iron-sulfur cluster nifU-like protein; Isu1p(aa) * NifU-like protein(aa)	CG14228	
+ 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 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 GH01353 22A1-22A1 dup:1/3 ID:30C7 + Hn enzyme * DMPAH Hn * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - f CG7399 GH01426 66A11-66A12 dup:2/2 ID:30D2 + enzyme * inhibitor of growth 1-like(aa) * 3e-12 YHP0_YEAST HYPOTHETICAL 32.1 KD PROTEIN IN GAR1-MSR1 INTERGENIC REGION * 5e-11 predicted using Genefinder; si [PHD] CG7379 GH01429 93B1-93B1 dup:1/2 ID:30D4 + enzyme * PROBABLE SUCCINYL-COA:3-KETOACID-COENZYME A TRANSFERASE PRECURSOR (3-OXOACID COATRANSFERASE)(aa) * 3-oxoacid CoA transferase precursor; succinyl-Co [COA_TRANSF_1 // COA_TRANSF_2 // COA_tra] CG1140 CG1140 GH01464 62B11-62B11 ID:30D6 + dim-7 unknown * RanBP7(aa) * 1e-73 NMD5_YEAST NONSENSE-MEDIATED MRNA DECAY PROTEIN NMD5 * 8E-26* CG7935 RanBP7/importin [IBN_NT] CG7935 GH01576 66B9-67E3 dup:3/3 ID:30E1 + function_unknown * similar to NifU protein homolog(aa) * Iron-sulfur cluster nifU-like protein; Isu1p(aa) * NifU-like protein(aa)		+ enzyme * protein kinase C-binding protein RACK7(aa) * deformed epidermal autoregulatory factor 1(aa) * No definition line
ALKALINE PHOSPHATASE, EMBRYONIC PRECURSOR (EAP) e [ALKALINE_PHOSPHATASE // ALKPHPHTASE //] 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 GH01353 22A1-22A1 dup:1/3 ID:30C7 + Hn enzyme * DMPAH Hn * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * CG7399 phenylalanine 4-monooxygenase (EC 1.14.16.1) - f CG7399 GH01426 66A11-66A12 dup:2/2 ID:30D2 + enzyme * inhibitor of growth 1-like(aa) * 3e-12 YHP0_YEAST HYPOTHETICAL 32.1 KD PROTEIN IN GAR1-MSR1 INTERGENIC REGION * 5e-11 predicted using Genefinder; si [PHD] CG7379 GH01429 93B1-93B1 dup:1/2 ID:30D4 + enzyme * PROBABLE SUCCINYL-COA:3-KETOACID-COENZYME A TRANSFERASE PRECURSOR (3-OXOACID COA-TRANSFERASE)(aa) * 3-oxoacid CoA transferase precursor; succinyl-Co [COA_TRANSF_1 // COA_TRANSF_2 // CoA_tra] CG1140 GH01464 62B11-62B11 ID:30D6 + dim-7 unknown * RanBP7(aa) * 1e-73 NMD5_YEAST NONSENSE-MEDIATED MRNA DECAY PROTEIN NMD5 * 8E-26* CG7935 RanBP7/importin [IBN_NT] CG7935 GH01576 66B9-67E3 dup:3/3 ID:30E1 + function_unknown * similar to NifU protein homolog(aa) * Iron-sulfur cluster nifU-like protein; Isu1p(aa) * NifU-like protein(aa)	CG1815	found(aa) * adenovirus E1A binding [PHD] CG1815 GH01331 100D4-100D4 dup:1/2 ID:30C3
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 GH01353 22A1-22A1 dup:1/3 ID:30C7 + Hn enzyme * DMPAH Hn * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * phenylalanine 4-monooxygenase (EC 1.14.16.1) - f CG7399 GH01426 66A11-66A12 dup:2/2 ID:30D2 + enzyme * inhibitor of growth 1-like(aa) * 3e-12 YHP0_YEAST HYPOTHETICAL 32.1 KD PROTEIN IN GAR1-MSR1 INTERGENIC REGION * 5e-11 predicted using Genefinder; si [PHD] CG7379 GH01429 93B1-93B1 dup:1/2 ID:30D4 + enzyme * PROBABLE SUCCINYL-COA:3-KETOACID-COENZYME A TRANSFERASE PRECURSOR (3-OXOACID COA-TRANSFERASE)(aa) * 3-oxoacid CoA transferase precursor; succinyl-Co [COA_TRANSF_1 // COA_TRANSF_2 // CoA_tra] CG1140 GH01464 62B11-62B11 ID:30D6 + dim-7 unknown * RanBP7(aa) * 1e-73 NMD5_YEAST NONSENSE-MEDIATED MRNA DECAY PROTEIN NMD5 * 8E-26* CG7935 RanBP7/importin [IBN_NT] CG7935 GH01576 66B9-67E3 dup:3/3 ID:30E1 + function_unknown * similar to NifU protein homolog(aa) * Iron-sulfur cluster nifU-like protein; Isu1p(aa) * NifU-like protein(aa)		
+ 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 GH01353 22A1-22A1 dup:1/3 ID:30C7 + Hn enzyme * DMPAH Hn * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * CG7399 phenylalanine 4-monooxygenase (EC 1.14.16.1) - f CG7399 GH01426 66A11-66A12 dup:2/2 ID:30D2 + enzyme * inhibitor of growth 1-like(aa) * 3e-12 YHP0_YEAST HYPOTHETICAL 32.1 KD PROTEIN IN GAR1-MSR1 INTERGENIC REGION * 5e-11 predicted using Genefinder; si [PHD] CG7379 GH01429 93B1-93B1 dup:1/2 ID:30D4 + enzyme * PROBABLE SUCCINYL-COA:3-KETOACID-COENZYME A TRANSFERASE PRECURSOR (3-OXOACID COA-TRANSFERASE)(aa) * 3-oxoacid CoA transferase precursor; succinyl-Co [COA_TRANSF_1 // COA_TRANSF_2 // CoA_tra] CG1140 GH01464 62B11-62B11 ID:30D6 + dim-7 unknown * RanBP7(aa) * 1e-73 NMD5_YEAST NONSENSE-MEDIATED MRNA DECAY PROTEIN NMD5 * 8E-26* CG7935 RanBP7/importin [IBN_NT] CG7935 GH01576 66B9-67E3 dup:3/3 ID:30E1 + function_unknown * similar to NifU protein homolog(aa) * Iron-sulfur cluster nifU-like protein; Isu1p(aa) * NifU-like protein(aa)		
TYROŚINE-PHOSPHAT * 5e-40 similar to protein-tyrosine phosphatase with [Y_phosphatase // TYR_PHOSPHATASE_PTP //] CG4355 GH01353 22A1-22A1 dup:1/3 ID:30C7 + Hn enzyme * DMPAH Hn * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * CG7399 phenylalanine 4-monooxygenase (EC 1.14.16.1) - f CG7399 GH01426 66A11-66A12 dup:2/2 ID:30D2 + enzyme * inhibitor of growth 1-like(aa) * 3e-12 YHP0_YEAST HYPOTHETICAL 32.1 KD PROTEIN IN GAR1-MSR1 INTERGENIC REGION * 5e-11 predicted using Genefinder; si [PHD] CG7379 GH01429 93B1-93B1 dup:1/2 ID:30D4 + enzyme * PROBABLE SUCCINYL-COA:3-KETOACID-COENZYME A TRANSFERASE PRECURSOR (3-OXOACID COATRANSFERASE)(aa) * 3-oxoacid CoA transferase precursor; succinyl-Co [COA_TRANSF_1 // COA_TRANSF_2 // CoA_tra] CG1140 GH01464 62B11-62B11 ID:30D6 + dim-7 unknown * RanBP7(aa) * 1e-73 NMD5_YEAST NONSENSE-MEDIATED MRNA DECAY PROTEIN NMD5 * 8E-26* CG7935 RanBP7/importin [IBN_NT] CG7935 GH01576 66B9-67E3 dup:3/3 ID:30E1 + function_unknown * similar to NifU protein homolog(aa) * Iron-sulfur cluster nifU-like protein; Isu1p(aa) * NifU-like protein(aa)	CG1462	
CG4355 GH01353 22A1-22A1 dup:1/3 ID:30C7 + Hn enzyme * DMPAH Hn * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * CG7399 phenylalanine 4-monooxygenase (EC 1.14.16.1) - f CG7399 GH01426 66A11-66A12 dup:2/2 ID:30D2 + enzyme * inhibitor of growth 1-like(aa) * 3e-12 YHP0_YEAST HYPOTHETICAL 32.1 KD PROTEIN IN GAR1-MSR1 INTERGENIC REGION * 5e-11 predicted using Genefinder; si [PHD] CG7379 GH01429 93B1-93B1 dup:1/2 ID:30D4 + enzyme * PROBABLE SUCCINYL-COA:3-KETOACID-COENZYME A TRANSFERASE PRECURSOR (3-OXOACID COA-TRANSFERASE)(aa) * 3-oxoacid CoA transferase precursor; succinyl-Co [COA_TRANSF_1 // COA_TRANSF_2 // CoA_tra] CG1140 CG1140 GH01464 62B11-62B11 ID:30D6 + dim-7 unknown * RanBP7(aa) * 1e-73 NMD5_YEAST NONSENSE-MEDIATED MRNA DECAY PROTEIN NMD5 * 8E-26* CG7935 RanBP7/importin [IBN_NT] CG7935 GH01576 66B9-67E3 dup:3/3 ID:30E1 + function_unknown * similar to NifU protein homolog(aa) * Iron-sulfur cluster nifU-like protein; Isu1p(aa) * NifU-like protein(aa)		
+ Hn enzyme * DMPAH Hn * phenylalanine 4-monooxygenase (EC 1.14.16.1) - fruit fly (Drosophila melanogaster)(aa) * CG7399 phenylalanine 4-monooxygenase (EC 1.14.16.1) - f CG7399 GH01426 66A11-66A12 dup:2/2 ID:30D2 + enzyme * inhibitor of growth 1-like(aa) * 3e-12 YHP0_YEAST HYPOTHETICAL 32.1 KD PROTEIN IN GAR1-MSR1 INTERGENIC REGION * 5e-11 predicted using Genefinder; si [PHD] CG7379 GH01429 93B1-93B1 dup:1/2 ID:30D4 + enzyme * PROBABLE SUCCINYL-COA:3-KETOACID-COENZYME A TRANSFERASE PRECURSOR (3-OXOACID COATRANSFERASE)(aa) * 3-oxoacid CoA transferase precursor; succinyl-Co [COA_TRANSF_1 // COA_TRANSF_2 // CoA_tra] CG1140 CG1140 GH01464 62B11-62B11 ID:30D6 + dim-7 unknown * RanBP7(aa) * 1e-73 NMD5_YEAST NONSENSE-MEDIATED MRNA DECAY PROTEIN NMD5 * 8E-26* CG7935 RanBP7/importin [IBN_NT] CG7935 GH01576 66B9-67E3 dup:3/3 ID:30E1 + function_unknown * similar to NifU protein homolog(aa) * Iron-sulfur cluster nifU-like protein; Isu1p(aa) * NifU-like protein(aa)	004055	
phenylalanine 4-monooxygenase (EC 1.14.16.1) - f CG7399 GH01426 66A11-66A12 dup:2/2 ID:30D2	CG4355	
+ enzyme * inhibitor of growth 1-like(aa) * 3e-12 YHP0_YEAST HYPOTHETICAL 32.1 KD PROTEIN IN GAR1-MSR1 CG7379 INTERGENIC REGION * 5e-11 predicted using Genefinder; si [PHD] CG7379 GH01429 93B1-93B1 dup:1/2 ID:30D4 + enzyme * PROBABLE SUCCINYL-COA:3-KETOACID-COENZYME A TRANSFERASE PRECURSOR (3-OXOACID COA-TRANSFERASE)(aa) * 3-oxoacid CoA transferase precursor; succinyl-Co [COA_TRANSF_1 // COA_TRANSF_2 // CoA_tra] CG1140 CG1140 GH01464 62B11-62B11 ID:30D6 + dim-7 unknown * RanBP7(aa) * 1e-73 NMD5_YEAST NONSENSE-MEDIATED MRNA DECAY PROTEIN NMD5 * 8E-26* CG7935 RanBP7/importin [IBN_NT] CG7935 GH01576 66B9-67E3 dup:3/3 ID:30E1 + function_unknown * similar to NifU protein homolog(aa) * Iron-sulfur cluster nifU-like protein; Isu1p(aa) * NifU-like protein(aa)	CC7200	
CG7379 INTERGENIC REGION * 5e-11 predicted using Genefinder; si [PHD] CG7379 GH01429 93B1-93B1 dup:1/2 ID:30D4 + enzyme * PROBABLE SUCCINYL-COA:3-KETOACID-COENZYME A TRANSFERASE PRECURSOR (3-OXOACID COA-TRANSFERASE)(aa) * 3-oxoacid CoA transferase precursor; succinyl-Co [COA_TRANSF_1 // COA_TRANSF_2 // CoA_tra] CG1140 CG1140 GH01464 62B11-62B11 ID:30D6 + dim-7 unknown * RanBP7(aa) * 1e-73 NMD5_YEAST NONSENSE-MEDIATED MRNA DECAY PROTEIN NMD5 * 8E-26* CG7935 RanBP7/importin [IBN_NT] CG7935 GH01576 66B9-67E3 dup:3/3 ID:30E1 + function_unknown * similar to NifU protein homolog(aa) * Iron-sulfur cluster nifU-like protein; Isu1p(aa) * NifU-like protein(aa)	CG7399	
+ enzyme * PROBABLE SÚCCINYL-COA:3-KETOACID-COENZYME A TRANSFERASE PRECURSOR (3-OXOACID COA-TRANSFERASE)(aa) * 3-oxoacid CoA transferase precursor; succinyl-Co [COA_TRANSF_1 // COA_TRANSF_2 // CoA_tra] CG1140 CG1140 GH01464 62B11-62B11 ID:30D6 + dim-7 unknown * RanBP7(aa) * 1e-73 NMD5_YEAST NONSENSE-MEDIATED MRNA DECAY PROTEIN NMD5 * 8E-26* CG7935 RanBP7/importin [IBN_NT] CG7935 GH01576 66B9-67E3 dup:3/3 ID:30E1 + function_unknown * similar to NifU protein homolog(aa) * Iron-sulfur cluster nifU-like protein; Isu1p(aa) * NifU-like protein(aa)	CG7379	
TRANSFERASE)(aa) * 3-oxoacid CoA transferase precursor; succinyl-Co [COA_TRANSF_1 // COA_TRANSF_2 // CoA_tra] CG1140 CG1140 GH01464 62B11-62B11 ID:30D6 + dim-7 unknown * RanBP7(aa) * 1e-73 NMD5_YEAST NONSENSE-MEDIATED MRNA DECAY PROTEIN NMD5 * 8E-26* CG7935 RanBP7/importin [IBN_NT] CG7935 GH01576 66B9-67E3 dup:3/3 ID:30E1 + function_unknown * similar to NifU protein homolog(aa) * Iron-sulfur cluster nifU-like protein; Isu1p(aa) * NifU-like protein(aa)	007070	
CG1140 CG1140 GH01464 62B11-62B11 ID:30D6 + dim-7 unknown * RanBP7(aa) * 1e-73 NMD5_YEAST NONSENSE-MEDIATED MRNA DECAY PROTEIN NMD5 * 8E-26* CG7935 RanBP7/importin [IBN_NT] CG7935 GH01576 66B9-67E3 dup:3/3 ID:30E1 + function_unknown * similar to NifU protein homolog(aa) * Iron-sulfur cluster nifU-like protein; Isu1p(aa) * NifU-like protein(aa)		
CG7935 RanBP7/importin [IBN_NT] CG7935 GH01576 66B9-67E3 dup:3/3 ID:30E1 + function_unknown * similar to NifU protein homolog(aa) * Iron-sulfur cluster nifU-like protein; Isu1p(aa) * NifU-like protein(aa)	CG1140	\sim
+ function_unknown * similar to NifU protein homolog(aa) * Iron-sulfur cluster nifU-like protein; Isu1p(aa) * NifU-like protein(aa)		+ dim-7 unknown * RanBP7(aa) * 1e-73 NMD5_YEAST NONSENSE-MEDIATED MRNA DECAY PROTEIN NMD5 * 8E-26*
	CG7935	
CG9836 * Y45F10D.4(aa) CG9836 GH01635 85B4-85B4 dup:2/2 ID:30E10		
	CG9836	* Y45F10D.4(aa) CG9836 GH01635 85B4-85B4 dup:2/2 ID:30E10

CG13240	+ BG:DS09217.1 unknown * 1e-14 predicted using Genefinder; cDNA EST comes from this g * * CG13240 GH01660 35D6-35D6 dup:2/2 ID:30E12
0013240	+ 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
	+ motor_protein * protein(aa) * HYPOTHETICAL 123.7 KD PROTEIN C14C4.02 IN CHROMOSOME I(aa) * 2e-65 hypothetical protein YOL034w - yeast (Saccharomyces cerevisiae) * 3 [ATP_GTP_A2 // ATP_GTP_A] CG7783 GH01608 78E2-78E3 dup:2/2
CG7783	ID:30E4 + unknown * nucleolar protein(aa) * 1e-108 nucleolar protein * 1e-109 cell cycle-regulated factor p78 * 8e-06 Hypothetical
CG1135	protein [FHA_DOMAIN // FHA] CG1135 GH01794 64A4-64A4 ID:30F12
CG5590	+ enzyme * coded for by C. elegans cDNA yk108f3.3; coded for by C. elegans cDNA yk104h5.3; coded for by C. elegans cDNA yk117a1.3; coded for by C. elegans cDN [GDHRDH // adh_short] CG5590 GH01709 98A6-98A6 ID:30F4
CG11139	+ unknown * 5e-09 SHP1_YEAST SHP1 PROTEIN hypothetical protein YBL058w - ye * 1e-34 p47 * 2e-33 p47 XY40 * undulin - human (fragment) undulin CG11139 GH01724 43C4-43C5 dup:3/3 ID:30F6
	+ unknown * 8e-06 belong to the membrane protein group of Transmembrane Super * 8e-06 First identified non-mammalian
CG12143	member of the Transmembrane S * 9e-08 TM4SF CG12143 GH01773 42E-42E ID:30F9 + unknown * CG6210 GH01813 68A7-68A7 ID:30G1
CG6210	 unknown * CG6210 GH01813 68A7-68A7 ID:30G1 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
CG8445	associated protein-1 (ubiquitin carboxy-terminal hydrolase)(aa) [UCH // UBCTHYDRLASE // ATP_GTP_A] CG8445 GH01941 52F7-52F7 ID:30G11
	+ I(2)efl chaperone * similar to the small heat shock protein (HSP20) family(aa) * DMHS09_2 Hsp23 * DMHSP27G_3 Hsp27 *
CG4533	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
	+ enzyme * antennal-specific short-chain dehydrogenase/reductase(aa) * 4e-12 YM71_YEAST HYPOTHETICAL OXIDOREDUCTASE IN MRPL44-MTF1 INTERGENIC REGION * 8e-08 Si [GDHRDH // adh_short] CG3301 GH01837 93D4-93D4
CG3301	ID:30G3
CC744E	+ 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
CG7415	+ transcription_factor * regulatory protein LBP1d - human (fragment)(aa) * NF2d9 - mouse(aa) * transcription factor LBP1a -
CG3459	human(aa) * 4e-19 alpha-globin transcription fact CG3459 GH01967 46E6-46E8 ID:30H1
CG2789	+ receptor * 5e-14 cDNA EST comes from this gene; cDNA EST co * 3e-35 peripheral-type benzodiazepine receptor

	isoquinoline-binding protein - mouse * 1e-35 benzod CG2789 GH02075 21C6-21C6 dup:2/2 ID:30H12 + * 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 Temperatures
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 subunit * voltage-dependent calcium channel complex alp [NACHANNEL // CACHANNEL // THIOL_PROTEAS] CG4894 GH02029
CG4894	35F1-35F3 ID:30H9
	+ structural_protein * /match=(desc:; /match=(desc:(aa) * 2e-21 /match=(desc:; /ma * 3e-16 CU1A_TENMO LARVAL CUTICLE 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
CG12860	+ unknown * [NLS_BP] CG12860 GH02210 51B11-51B11 ID:31A8
CG12182	+ BcDNA:GH02340 unknown * CG12182 GH02340 62F1-62F1 ID:31B5
	+ ion_channel * 2e-20 YMT1_YEAST HYPOTHETICAL 38.2 KD PROTEIN IN SUB1-ARGR1 INTERGENIC REGION * 8e-44
CG3397	similar to phosphotransferase enzyme II and to members of the [ALDKETRDTASE] CG3397 GH02366 87A8-87A8 dup:2/2 ID:31B6
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
	+ enzyme * glycerate kinase, putative(aa) * HYPOTHETICAL 40.0 KD PROTEIN C13B9.2 IN CHROMOSOME III(aa) * 2e-40
CG9886	440aa long hypothetical protein * TUD4_AGRVI PU_CG9886 GH02560 23F1-23F1 ID:31C10
000700	+ 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 + arginaseenzyme * putative * 1e-11 ARGI_YEAST ARGINASE (EC 3.5.3.1) - yeast (Saccharo * 1e-107 /motif=(desc:; /ma * 1e-08
CG18104	similar to CG18104 GH02581 1B5-1B5 ID:31C12
0010101	+ 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
	+ Argk * Argk * ARGININE KINASE (AK)(aa) * 1e-131 KAG1_CAEEL PROBABLE ARGININE KINASE F46H5.3 (AK) similar t *
005470	7e-76 KCRM_MOUSE CREATINE KINASE, M CHAIN (M-C [GUANIDO_KINASE // ATP-gua_Ptrans] CG5173 68E1-68E1 dup:1/3 ID:31C7
CG5173	+ BcDNA:GH02536 unknown * Contains similarity to from C. elegans.(aa) * unknown(aa) * 2e-88 predicted using Genefinder; cDNA
CG8230	EST comes from this g * 2e-49 Contains similarity CG8230 GH02536 44F12-44F12 ID:31C8
CG11201	+ enzyme * hypothetical protein(aa) * TUBULINTYROSINE LIGASE (TTL)(aa) * Ybr094wp(aa) * 2e-10 ORF2 [NLS BP]
	, ,,, , , , , , , , , , , , , , , , , ,

CC11201	CH02545	27A1-27A1	ID-31C0
	(100//:)4:)	//AI=//AI	11 7 .5 11 .9

	0011201 01102040 21/11 21/11 IB.0100
CG9759	+ unknown * CG9759 GH02603 87F-87F ID:31D2
CG13853	+ unknown * CG13853 GH02671 96E1-96E1 ID:31D6
	+ 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
	+ unknown * 1e-25 kraken * 3e-13 dJ222E13.1 (N-terminal part of novel protein with some similarit * 7e-05 TPES_PSEPU
	TROPINESTERASE (ATROPINESTERASE) (ATROPINE [ESTERASE // abhydrolase] CG5707 GH02816 62D2-62D2 dup:2/2
CG5707	ID:31E3
007004	+ 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 DBP7
CG8611	probable purin * 1e-58 helicase pitchoune [helicase_C // HELICASE // DEAD // NLS_B] CG8611 GH02833 16A1-16A2 dup:3/3
CGobii	ID:31E5 + unknown * actin-fragmin kinase(aa) * putative protein kinase(aa) * HYPOTHETICAL 143.1 KD PROTEIN F33C8.1 IN
	CHROMOSOME X PRECURSOR(aa) * 4e-10 YG52_YEAST HYP [FBOX_DOMAIN] CG6758 GH02866 58C5-58C5 dup:2/2
CG6758	ID:31E7
000.00	+ 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
	+ 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
CG1102	// CHYMOTRYPSIN] CG1102 GH02921 82A5-82A5 ID:31F2
	+ unknown * BLASTX 8.6E-13 Macaca mulatta mucin (MUC2) mRNA, partial cds.(dna) * * CG11073 GH02992 58C1-58C2
CG11073	ID:31F8
CG1408	+ BcDNA:GH03163 unknown * * * CG1408 GH03163 100B-100B dup:1/2 ID:31G10
	+ Sema-1b unknown * similar to semaphorin-I * 4e-93 cDNA EST comes from this gene; cDNA EST * 2e-81 semaphorin VIb * 1e-67
CG6446	UNKNOWN semaphorin F homolog [RECEPTOR_CYTOKINES_1 // Sema // ATP_GTP] CG6446 GH03186 54E1-54E2 dup:1/2 ID:31G11
CG6446	+ TfIIA-S transcription_factor * 4e-16 TOA2_YEAST TRANSCRIPTION INITIATION FACTOR IIA SMALL CHAIN (TFIIA 13.5 KD
CG5163	SUBUNI * 5e-56 T2AG DROME TRANSCRIPTION INITIATION FACTOR IIA GMMA CG5163 GH03194 95C9-95C9 ID:31G12
000100	+ unknown * GLUTAMATECYSTEINE LIGASE REGULATORY SUBUNIT (GAMMA-GLUTAMYLCYSTEINE SYNTHETASE)
CG4919	(GAMMA-ECS) (GCS LIGHT CHAIN)(aa) * glutamate-cysteine ligase regu CG4919 GH03051 94C3-94C3 ID:31G2
	+ karyopherin-alpha1 ligand_binding_or_carrier * karyopherin- agr;1 * karyopherin alpha 1(aa) * 1e-129 IMA1_YEAST IMPORTIN
	ALPHA SUBUNIT (KARYOPHERIN ALPHA SUBUNIT) (SERINE-RICH RNA[ARM_REPEAT // Armadillo_seg // NLS_BP] CG8548
CG8548	GH03057 76D2-76D3 ID:31G3
CG2790	+ BcDNA:GH03108 chaperone * similar to DnaJ, prokaryotic heat shock protein, Zinc finger, C2H2 type; cDNA EST yk290e12.5

	comes from this gene; cDNA EST yk290e12.3 comes from th [ZF_MATRIN // ZINC_FINGER_C2H2 // DNAJ_1] CG2790 GH03108 60E5-60E5 ID:31G7
	+ 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
CG7974	+ contains similarity to hepatocellular carcinoma-associated antigen 59 NLS_BP CG7974 GH03217 ID:31H1
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
CG 11936	+ 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
CG12167	+ unknown * [PRO_RICH // ATP_GTP_A] CG12167 GH03350 83B1-83B1 ID:31H6
	+ enzyme * DMCSDUC_5 Vha16 * VACUOLAR ATP SYNTHASE KD PROTEOLIPID SUBUNIT (DUCTIN)(aa) * ATP synthase
CG7007	subunit(aa) * proteolipid protein of the proton ATPase; P [VACATPASE // ATP-synt_C] CG7007 GH03514 90B1-90B1 ID:32A10
0040044	+ 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 + BcDNA:GH03502 unknown * unknown(aa) * 3e-55 YII3 YEAST HYPOTHETICAL 41.9 KD PROTEIN IN SDS3-THS1
CG5629	INTERGENIC REGION * 1e-75 inserted at base Both 5' and 3' ends of P element CG5629 GH03502 91F4-91F4 dup:1/2 ID:32A8
000020	+ structural protein * 2e-05 CUP7 DROME PUPAL CUTICLE PROTEIN EDG-78 PRECURSOR ecdyson * 8e-06
	CU26_ARADI ADULT-SPECIFIC RIGID CUTICULAR PROTEIN 12.6 (ACP 12.6) * 2e-07 DM [CUTICLE // insect_cuticle] CG12045
CG12045	GH03728 100B-100B ID:32B12
CG4784	+ structural_protein * 2e-05 DMEDG84A_3 Edg84A * * [CUTICLE // insect_cuticle] CG4784 GH03623 72F1-72F1 ID:32B4
004000	+ Vha26 enzyme * Vha26 * ATPase, H+ transporting, lysosomal (vacuolar proton pump) 31kD(aa) * VACUOLAR ATP SYNTHASE
CG1088	SUBUNIT E (V-ATPASE E SUBUNIT) (V-ATPASE KD SUBUN CG1088 GH03683 83B4-83B4 ID:32B5 + 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
	+ 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
	+ transcription_factor_binding * ankyrin-like with transmembrane domains 1(aa) * C. elegans ankyrin-related unc-44 * similar
CG10409	to ankyrin repeats; cDNA EST comes f[ANK_REP // ank // ANK_REP_REGION // CAT] CG10409 GH03924 84E1-84E1 dup:2/4
CG 10409	ID:32C10

	+ unknown * HYPOTHETICAL PROTEIN * 8e-06 development protein * HYPOTHETICAL PROTEIN * 8e-06 development
CG1116	protein CG1116 82F10-82F10 dup:1/4 ID:32C11
CG7738	+ CG7738 dup:2/2 ID:32C2
CG18178	+ unknown * CG18178 GH03795 67C-67C ID:32C3
	+ transcription_factor * pleiomorphic adenoma gene-like 2; PLAG-like 2(aa) * DMZFH1_2 zfh1 * 1e-06 ZFH1_DROME ZINC-
	FINGER PROTEIN (ZINC-FINGER HOMEODOMAIN PROTEIN [zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG12744 GH03826
CG12744	46C1-46C1 dup:1/2 ID:32C5
	+ alpha-Man-II enzyme * LYSOSOMAL ALPHA-MANNOSIDASE PRECURSOR (MANNOSIDASE, ALPHA B) (LYSOSOMAL ACID
CC9420	ALPHA-MANNOSIDASE)(aa) * truncated lysosomal acid alpha-mannosidase(aa) [Glyco_hydro_38 // NLS_BP] CG8139 GH03876
CG8139	85D16-85D16 ID:32C7
CG4184	+ BcDNA:GH03922 unknown * CG4184 GH03922 21C3-21C dup:1/3 ID:32C9
CG10658	+ Os9 unknown * Os9 * * CG10658 GH03980 38B1-38B1 ID:32D2 + translation factor * Eif4E * 1e-23 IF4E YEAST EUKARYOTIC TRANSLATION INITIATION FACTOR 4E (EIF-4E) (EIF4E)
CG8023	+ translation_factor * Eif4E * 1e-23 IF4E_YEAST EUKARYOTIC TRANSLATION INITIATION FACTOR 4E (EIF-4E) (EIF4E) (MRNA CA * 2e-56 IF4E_DROME EUKARYOTIC TRANSLATION INITIATION [IF4E] CG8023 GH04024 66C-66C ID:32D6
CG0023	+ Sptr enzyme * sepiapterin reductase (7,8-dihydrobiopterin:NADP+ oxidoreductase)(aa) * ORF 7(aa) * similar to glucose 1-
CG12117	dehydrogenase(aa) * sepiapterin reductase; [GDHRDH // adh_short] CG12117 GH04031 7E7-7E7 ID:32D8
	+ unknown * 7e-06 pdb 1BIH A Chain A, Crystal Structure Of The Insect Immune Protein Hemolin: A New Domain *
CG5597	HEMO_HYACE HEMOLÍN PRECURSOR (P4 PROTEIN) (HEMOCYT [ig] CG5597 GH04238 60A8-60A8 dup:2/2 ID:32E10
	+ BcDNA:GH04245 motor_protein * contains TPR domain-like repeats(aa) * UDP-N-ACETYLGLUCOSAMINEPEPTIDE N-
	ACETYLGLUCOSAMINYLTRANSFERASE KD SUBUNIT (O-GLCNAC TRANSFERASE [TPR_REGION // TPR_REPEAT // TPR //
CG10392	NLS_] CG10392 GH04245 41A1-41A2 dup:3/4 ID:32E11
	+ Trip1 translation_factor * 3e-80 IF34_YEAST EUKARYOTIC TRANSLATION INITIATION FACTOR DELTA SUBUNIT (EIF-3
000000	DELTA * IF34_DROME EUKARYOTIC TRANSLATION INITIATION FACTOR DEL[GPROTEINBRPT // WD40_REGION //
CG8882	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) * LEUKOCYTE
CG9456	+ serpin * serine protease inhibitor(aa) * OVALBUMIN (PLAKALBUMIN) (ALLERGEN GAL D 2) (GAL D II)(aa) * LEUKOCYTE ELASTASE INHIBITOR (LEI) (LEUCOCYTE NEUTRAL P [serpin] CG9456 GH04125 42C8-42C8 dup:2/2 ID:32E4
009430	+ metabolism * 1e-47 PNPH YEAST PROBABLE PURINE NUCLEOSIDE PHOSPHORYLASE (INOSINE
	PHOSPHORYLASE) (PN * 3e-51 similar to purine nucleoside phosphorylases * 4e-73 pu [Mtap_PNP] CG16758 GH04159 62E6-
CG16758	62E6 dup:5/5 ID:32E5
	+ ion_channel * 6e-15 similar to PDZ domain (Also known as DHR or GLGF).; cDNA EST EMBL: * 3e-17 protein co-factor * 1e-
CG10939	18 E3KARP Na+/H+ exchanger regulatory facto [PDZ // NLS_BP] CG10939 GH04176 54B18-54C1 dup:2/2 ID:32E6
	+ enzyme * PROBABLE SERYL-TRNA SYNTHETASE (SERINETRNA LIGASE) (SERRS)(aa) * SERYL-TRNA
	SYNTHETASE (SERINETRNA LIGASE) (SERRS)(aa) * seryl-tRNA synthetase(a [tRNA-synt_2b // TRNASYNTHSER] CG17259
CG17259	GH04194 23C4-23C5 dup:2/2 ID:32E7
CG4468	+ unknown * CG4468 GH04205 92B9-92B9 dup:2/2 ID:32E8
005007	+ enzyme * alpha esterase(aa) * C. elegans esterase CM06B1 * similar to esterase(aa) * DMEST6P_15 Est-P
CG5397	[CYTOCHROME_B5 // ESTERASE // COesterase] CG5397 GH04232 21F2-21F2 dup:2/2 ID:32E9

	+ enzyme * i-beta-1,3-N-acetylglucosaminyltransferase(aa) * 1e-10 K09C8.4 * 8e-16 acetylglucosaminyltransferase-like protein
CG3253	* 5e-24 i-beta-1,3-N-acetylglucosa CG3253 GH04269 60B6-60B6 ID:32F1
CG5080	+ CG5080 ID:32F10
	+ apoptosis_inhibitor * 2e-81 SINA_DROME DEVELOPMENTAL PROTEIN SEVEN IN ABSENTIA devel * 8e-67 seven-in-
CG13030	absentia protein homologue-1 * 2e-73 siah-1A protein - mouse siah-1A [ZF_RING] CG13030 GH04279 73D1-73D1 ID:32F2
	+ Arr1 unknown * PHOSRESTIN II (ARRESTIN A) (ARRESTIN 1)(aa) * DMARRA_2 Arr1 * 1e-75 ARRB_CAEEL PROBABLE
00==44	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
CG6186	+ CG6186 dup:2/2 ID:32G1
00	+ 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
007040	+ 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
007707	disease amyloid beta/A4 protein homolog precurso [A4_EXTRA // A4_INTRA // AMYLOIDA4 // NL] CG7727 GH04413 1B7-1B8
CG7727	dup:1/2 ID:32G7 + enzyme * aminomethyltransferase (glycine cleavage system protein T)(aa) * 2e-68 glycine cleavage T protein * 7e-91 partial
CG6415	CDS, * 1e-97 GCST_HUMAN AMINOMETHY CG6415 GH04419 32A2-32A2 dup:1/2 ID:32G8
CG6405	+ unknown * CG6405 GH04442 33D5-33D5 ID:32G9
CG6405	+ n-syb transporter * 2e-21 synaptobrevin isoform B - fruit fly (Drosophila melanogaster) (L142 * 2e-21 SNB-1; synaptobrevin SNB-
	1; sy * 6e-24 SYB2 MOUSE SYNAPTOBREVI[SYNAPTOBREVN // SYNAPTOBREVIN // synapt] CG17248 GH04664 62A10-
CG17248	62A10 dup:2/2 ID:32H12
0017210	+ Tis11 DNA_binding * DTIS11 PROTEIN(aa) * Tis11 * 9e-15 hypothetical protein YDR151c - yeast (Saccharomyces cerevisiae) *
CG4070	5e-67 TIScc1 cc1 gene [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
	+ transcription_factor * DMC95B7 * D19B * ovo * DMSRYG1_25 Sry- dgr; [G_PROTEIN_RECEPTOR // zf-C2H2 // ZINC_F]
CG10366	CG10366 GH04589 37F2-37F2 ID:32H8
	+ Motor-protein motor_protein * 1e-152 motor protein * 2e-40 coded for by C. elegans cDNA yk119d2.3; coded for by C. elegans
CG6455	cDNA yk86f8.3; c * 6e-50 motor protein * 1e-154 DMMOTPR [WD_REPEATS] CG6455 GH04666 93F14-93F14 ID:33A1
	+ BcDNA:GH04753 enzyme * glutathione transferase (EC 2.5.1.18) D26 - fruit fly (Drosophila melanogaster)(aa) * glutathione
CG16936	transferase (EC 2.5.1.18) D21 - fruit fly (Drosoph [GST] CG16936 GH04753 60D14-60D14 dup:2/2 ID:33A11
	+ transporter * 4e-41 similar to matrin F/G containing C4-type zinc-fingers * 4e-79 PGT_HUMAN PROSTAGLANDIN
CG3811	TRANSPORTER (PGT) prostaglandin tr * 2e-76 PGT_RAT PROST_CG3811 GH04717 30B10-30B10 ID:33A7
000:5:	+ enzyme * weakly similar to furin-like proteases; 35% Similarity to * weakly similar to furin-like proteases in 3' exon(aa) * 2e-
CG8481	17 weakly similar to furin-I [Acetyltransf // NLS_BP] CG8481 GH04732 85E8-85E8 ID:33A9
CG14997	+ unknown * 1e-87 cDNA EST yk500f6.3 comes from this gene; cDNA EST come * 1e-119 unknown * 1e-88 hypothetical

	protein * CGI-44 protein [FADPNR] CG14997 GH04863 64E2-64B4 ID:33B10
	+ signal_transduction * 9e-12 hypothetical protein * unknown * phosphatidylinositol-4-phosphate 5-kinase isolog * CG10233
CG10233	GH04877 83A1-83A1 ID:33B12
	+ alphaCopsignal_transduction * agr;Cop * coatomer alpha subunit(aa) * alpha-COP (Z466 * 5e-67 Similarity to Human Coatomer
	beta' subunit (SW:COPP_HUMAN); cDNA E [GPROTEINBRPT // WD40_REGION // WD_REPEA] CG7961 GH04856 62A10-
CG7961	62A10 dup:2/3 ID:33B8
	+ unknown * HSPC015(aa) * 8e-45 hypothetical protein YOR173w - yeast (Saccharomyces cerevisiae) (* hypothetical protein
CG2091	YLR270w - yeast (Saccharomyces cerevisi CG2091 GH04919 83C-83C ID:33C2
	+ Lim1 transcription_factor * HOMEOBOX PROTEIN LIM-1(aa) * Lim3 * 7e-20 LIM homeodomain transcription factor * 9e-30
	homeotic protein lin-11 - Caenorhabditis elegans (fragment) [HOMEOBOX_1 // homeobox // HTHREPRESSR /] CG11354
CG11354	GH04929 8A4-8B1 ID:33C4
CG18616	+ CG18616 GH04932 ID:33C5
	+ 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
	+ BcDNA:GH04978 protein_kinase * 2e-39 YAK1_YEAST PROTEIN KINASE YAK1 protein kinase YAK1 (EC 2. * 3e-43
007000	serin/threonin-kinase * 1e-126 similar to serine/threonine kinase; cDNA EST[PROTEIN_KINASE_ST // PROTEIN_KINASE_DOM]
CG7028	CG7028 GH04978 61A6-61A6 ID:33D1
CG4250	+ unknown * [EGF_2] CG4250 GH05106 58F3-58F3 dup:2/2 ID:33D11
	+ chaperone * KD HEAT SHOCK PROTEIN, MITOCHONDRIAL (HSP10) (10 KD CHAPERONIN)(aa) * 1e-17 CH10_YEAST
0044007	KD HEAT SHOCK PROTEIN, MITOCHONDRIAL (HSP10) (10 KD CHAPERONI [LUM_BINDING // CHAPERONIN10 // cpn10]
CG11267	CG11267 GH05109 69F2-69F2 ID:33D12
	 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
CG3304	+ enzyme * phosphatidylserine-specific phospholipase A1 deltaC(aa) * PS-PLA1(aa) * DMYOLK_4 Yp1 * VITELLOGENIN I
CG4979	PRECURSOR (YOLK PROTEIN 1)(aa) [TAGLIPASE // ESTERASE // lipase] CG4979 GH05003 89B7-89B7 dup:2/2 ID:33D4
004373	+ CoVa enzyme * 2e-14 COX6_YEAST CYTOCHROME C OXIDASE POLYPEPTIDE VI PRECURSOR cy * 6e-81 cytochrome c
CG14724	oxidase subunit Va preprotein melanogaste * 6e-27 predicted u CG14724 GH05011 86F10-86F11 ID:33D5
	+ DNA_repair_protein * REV1 protein(aa) * 2e-56 REV1_YEAST DNA REPAIR PROTEIN REV1 REV1 protein - yeast * 2e-78
	similar to DNA repair protein (REV1); cDNA EST co[UMUC_DOMAIN // IMS // BRCT_DOMAIN // BR] CG12189 GH05320 61C8-
CG12189	61C8 dup:2/2 ID:33E10
	+ 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
	+ 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

	+ enzyme * HYPOTHETICAL ALDEHYDE-DEHYDROGENASE LIKE PROTEIN F01F1.6(aa) * antiquitin=26g turgor protein
CG9629	homolog {C-terminal} intestinal mucosa, Peptide Partial [aldedh // ALDEHYDE_DEHYDR_GLU] CG9629 GH05218 76A3-76A3 dup:2/2 ID:33E7
CG3273	+ unknown * CG3273 GH05256 42B3-42B3 dup:2/2 ID:33E8
000270	+ electron_transfer * 3e-17 cytochrome b5 * 1e-18 Similarity to Human cytochrome b5 (SW:CYB5_HUMAN); cDNA EST
	EMBL:D * 5e-18 CYB5_MOUSE CYTOCHROME B5 * 7e-22 cytochrome b [CYTOCHROMEB5 // CYTOCHROME_B5_2 // NLS_]
CG3566	CG3566 GH05526 5E1-5E1 ID:33F10
	+ 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
0017240	+ EG:22E5.3 enzyme * RNA 3'-terminal phosphate cyclase(aa) * 1e-10 RTC1_YEAST RNA 3'-TERMINAL PHOSPHATE CYCLASE
CG4061	(RNA-3'-PHOSPHATE CYCLASE) (RNA CY * /match=(desc:; /ma * [RCT] CG4061 GH05410 2C7-2C7 ID:33F4
	+ Mlc1 * DMMYLALK_2 Mlc1 * indirect flight muscle isoform; putative(aa) * 1e-07 YGK6_YEAST HYPOTHETICAL CALCIUM-
005500	BINDING PROTEIN IN TAF60-G4P1 INTERGENIC REGI [THIOL_PROTEASE_HIS // EF_HAND_2] CG5596 98A6-98A6 dup:2/4
CG5596	ID:33F5
CG10151	 unknown * [GRAM_POS_ANCHORING // ATP_GTP_A] CG10151 GH05433 51C2-51C2 ID:33F6 enzyme_inhibitor * COMPLEMENT C3 PRECURSOR (CONTAINS: C3A ANAPHYLATOXIN)(aa) * alpha-2-
	macroglobulin(aa) * alpha-2-macroglobulin(aa) * 1e-121 similar to Alpha-2-macrog [A2M // ALPHA_2_MACROGLOBULIN] CG7068
CG7068	GH05679 28C-28C ID:33G11
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
	+ unknown * 9E-24* 4e-21 0.9-kb RNA transcript * 6e-21 DMRNAPER_2 anon-3B1.2 * per circadian controlled protein
CG11853	precursor - fruit fly (Drosophila mela CG11853 GH05615 96C4-96C4 ID:33G6
CG3364	+ unknown * CG3364 GH05668 42D5-42D6 ID:33G9
CG18238	+ unknown * CG18238 GH05783 84F-84F ID:33H10
CG3613	+ qkr58E-1RNA_binding * how * qrk58E-1 * QKR58E-1(aa) * 5e-10 hypothetical protein YLR116w - yeast (Saccharomyces cerevisiae) ([KH-domain // KH_DOMAIN] CG3613 GH05812 58D8-58D8 ID:33H11
000010	+ motor_protein * 7e-15 cytoplasmic dynein intermediate chain isoform DIC2b * 7e-15 similar to the beta transducin family * 3e-
CG9313	14 cytoplasmic dynein intermediate chai [NLS_BP // WD40] CG9313 GH05829 57B14-57B14 ID:33H12
	+ enzyme * 5e-32 GAA1_YEAST GAA1 PROTEIN membrane protein END2 - yeast (Sa * 4e-26 No definition line found * 3e-67
CG3033	UNKNOWN hGAA1 * CG3033 GH05723 5C2-5C3 ID:33H2
000770	+ unknown * 1E-178* 1e-105 inserted at base Both 5' and 3' ends of P element Inverse PCR * CG6770 GH05738 33B12-
CG6770	33B12 ID:33H4 + I(2)gl_tumor_suppressor (lethal (2) giant larvae) L2GL_DROME LETHAL(2) GIANT LARVAE PROTEIN (P127 LETHAL2GIANT,
CG2671	NLS_BP, RCC1_2, WD_REPEATS] CG2671 GH05740 dup:2/2 ID:33H6
CG4757	+ BcDNA:GH05741 enzyme * agr;-Est10 * 8e-48 alpha esterase * 6e-46 ACE1_CAEEL ACETYLCHOLINESTERASE
	2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -

	PRECURSOR (ACHE) acetyl * 3e-54 ACES_MOUSE ACETYLCHOLINESTERASE PRECURSOR [CARBOXYLESTERASE_B_1 // ESTERASE // COe] CG4757 GH05741 86D4-86D5 ID:33H7
	+ 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
CG10139	+ unknown * CG10139 GH05836 51B9-51B9 ID:34A1
	+ 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 94B4-94B4
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
	+ unknown * 1e-21 BIM1_YEAST BIM1 PROTEIN hypothetical protein YER016w - y * 6E-40* 2e-74 coded for by C. elegans
	cDNA cm17d4; Similar to epoxide hydrolase. * 8 [EPOXHYDRLASE // abhydrolase] CG15101 GH05945 55F4-55F4 dup:1/3
CG15101	ID:34A12
	+ transporter * solute carrier family (organic anion transporter), member 7(aa) * BLASTX 4.2E-24 Rattus organic cation
CG9317	transporter OCT1A mRNA, complete cds.(dna) * [sugar_tr] CG9317 GH05908 38E3-38E3 dup:1/2 ID:34A5
CG15900	+ unknown * CG15900 GH05918 41E4-41E4 ID:34A6
	+ unknown * SEC14 (S. cerevisiae)-like(aa) * HYPOTHETICAL 84.0 KD PROTEIN T23G5.2 IN CHROMOSOME III(aa) * 4e-21
CG9528	pdb 1AUA Phosphatidylinositol Transfer Protein [CRAL_TRIO] CG9528 GH05975 26D3-26D4 ID:34B2
	+ cytoskeletal_structural_protein * 7e-12 YIL2_YEAST HYPOTHETICAL 123.6 KD PROTEIN IN POR2-COX5B INTERGENIC
00=000	REGION * 3e-11 ankyrin ankyrin m * 1e-10 contains similarity to[ANK_REP // ank // ANK_REP_REGION] CG5822 GH05978 25C1-
CG5822	25C1 dup:3/4 ID:34B3
0047000	+ VhaSFD transporter * kDa vacuolar H(+)-ATPase subunit(aa) * coded for by C. elegans cDNA yk89e9.5; coded for by C. elegans
CG17332	cDNA cm7g5; coded for by C. elegans cDNA cm14 CG17332 GH05981 36A7-36A7 ID:34B4
	+ endopeptidase * human factor XII(aa) * 7e-31 masquerade precursor - fruit fly (Drosophila melanogaster) * 2e-05 similar to
000000	Trypsin * 5e-25 MCT6_MOUSE MAST CELL PRO [trypsin // CHYMOTRYPSIN // TRYPSIN_CATA] CG6639 GH06092 36C2-36C2
CG6639	ID:34C3 + endopeptidase * 8e-41 kuzbanian * 1e-93 coded for by C. elegans cDNA yk187d12.5; coded for by C. elegans cDNA
	yk187d12.3 * 1e-143 TNF-alpha converting enzyme (TACE) [DISINTEGRINS 2 // ADAM MEPRO // ZINC PR] CG7908 GH06244
CG7908	99D3-99D3 ID:34D2
CG1900	+ angel enzyme * DMANGEL_3 angel * GLUCOSE-REPRESSIBLE ALCOHOL DEHYDROGENASE TRANSCRIPTIONAL
	EFFECTOR (CARBON CATABOLITE REPRESSOR PROTEIN 4)(aa) * NOCTURNIN (RHYTHM CG12273 GH06351 59F4-59F4
CG12273	dup:2/2 ID:34E2
0012210	+ 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

	+ acyl-CoA_dehydrogenase * fadE19(aa) * PROBABLE GLUTARYL-COA DEHYDROGENASE PRECURSOR (GCD)(aa) * acyl-Coenzyme A dehydrogenase, short/branched chain precursor(aa) * acyl-CoA [Acyl-CoA_dh] CG9547 GH06693 26D7-26D7
CG9547	ID:34G1 + enzyme * 2e-69 similar to 3-HYDROXYISOBUTYRATE DEHYDROGENASE PRECURSOR (EC 1.1.1. * 2e-77 D3HI_RAT 3-
	HYDROXYISOBUTYRATE DEHYDROGENASE PRECURSOR (HIBADH) * mm [6PGDHDRGNASE] CG15093 GH06781 55F1-
CG15093	55F1 ID:34G10
CG5538	 unknown * [NLS_BP] CG5538 87C-87C dup:1/3 ID:34G11 enzyme * 3e-40 4-nitrophenylphosphatase (EC 3.1.3.41) - yeast (Saccharomyces cerevisiae) * 6e-26 by content; 1-meth *
CG5567	4e-52 contains similarity to 4-nitrophe CG5567 GH06744 75A4-75A4 ID:34G7
CG1163	+ RpABC14 CG1163 GH06755 ID:34G8
CC4440E	+ unknown * 6e-10 microfilarial chitinase * microfilarial chitinase * CHIT_BRUMA ENDOCHITINASE PRECURSOR (MF1
CG14125 CG3752	ANTIGEN) chitinas * CG14125 68E3-68E3 dup:2/2 ID:34H10
CG3752 CG12279	
CG12279	 + chaperone HEAT SHOCK PROTEIN 67B2 RHODANESE, RHODANESE_2 CG12279 dup:2/2 ID:34H6 + enzyme * transcriptional adaptor (ADA2, yeast homolog)-3 like (PCAF histone acetylase complex)(aa) * 4e-32 ADA3-like
CG7098	protein * CG7098 16F7-16F7 dup:3/3 ID:34H7
	+ mfas signal_transduction * midline fasciclin precursor * 3e-31 p68(beta ig-h3) beta-ig-h3 gene musc * 1e-29 transforming growth
CG3359	factor, beta-induced, 68kD TRANSFORM * 3e-29 RG [BIGH3_DOMAIN] CG3359 87A8-87A dup:3/3 ID:34H9
CG10652	+ CG10652 ID:35A1
000=10	+ unknown * 2e-22 YJJ7_YEAST HYPOTHETICAL 24.5 KD PROTEIN IN SAP185-BCK1 INTERGENIC REGION * 4e-40 No
CG6746	definition line found * 2e-68 inserted at base Both 5' and CG6746 GH07085 33B9-33B9 ID:35A11
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
CG5059	+ unknown * CG5059 GH07036 77C4-77C4 ID:35A4
CG4918	+ CG4918 dup:1/2 ID:35A5 + 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
	+ electron_transfer * 7e-19 C561_CAEEL PUTATIVE CYTOCHROME B561 (CYTOCHROME B-561) hy * 1e-20 cytochrome
CG8776	B561 * 2e-20 HCYTO B561 * 9e-24 cytochrome B561 CG8776 GH07176 49B8-49B8 dup:1/3 ID:35B5
	+ ribosomal_protein * Similar to 40S ribosomal protein S29; coded for by C. elegans cDNA cm10c2; coded for by C. elegans
CC9405	cDNA yk61d8.5; coded for by C. elegans cDNA yk10 [RIBOSOMAL_S14 // Ribosomal_S14] CG8495 GH07263 86D1-86D1 dup:1/2 ID:35C1
CG8495 CG13850	1D:35C1 + unknown * CG13850 GH07286 96E1-96E1 ID:35C4
CG13650 CG4152	+ Unknown CG13650 GH07266 96E1-96E1 ID.35C4 + I(2)35DfRNA_binding * MTR4_YEAST ATP-DEPENDENT RNA HELICASE DOB1 (MRNA TRANSPORT REGULATOR MTR4) *
004102	T 1(2)000 INTIA_DITIONING WITH TEAST ATT-DEFENDENT KINA MELICASE DODT (WIKNA TRANSFORT REGULATOR WITK4)

	YH27_CAEEL PUTATIVE HELICASE W08D2.7 IN CHROMOSOME IV * 1e-153 hypoth [HELICASE // DEAD // ATP_GTP_A] CG4152 GH07290 35D6-35D6 ID:35C5
	+ Rab-RP1 enzyme * rab-related protein 3(aa) * Rab-RP3 * 4e-28 YPT7_YEAST GTP-BINDING PROTEIN YPT7 GTP-binding
	protein Y * 2e-25 strong similarity to the YPT1 sub-fami [ras // NLS_BP // PROTEIN_KINASE_ATP //] CG8024 GH07310 45B3-
CG8024	45B4 ID:35C8
CG18444	+ alphaTryunknown * CG18444 GH07737 47F1-47F1 dup:2/2 ID:35E12
00404=	+ structural_protein * MICROFIBRILLAR-ASSOCIATED PROTEIN (ASSOCIATED MICROFIBRIL PROTEIN) (AMF)(aa) *
CG1017	predicted using Genefinder; similar to MICROFIBRILLAR-ASSOCIATED PRO CG1017 GH07619 62B10-62B11 dup:2/2 ID:35E3
	+ 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] CG9761
CG9761	GH07643 82D6-82D7 dup:2/2 ID:35E5
CG13480	+ unknown * CG13480 GH07663 70E4-70E4 dup:2/2 ID:35E7
	+ cell_adhesion * DMSLIT_2 sli * DMNOTCH3_2 N * 2e-05 NOTC_DROME NEUROGENIC LOCUS NOTCH PROTEIN
	PRECURSOR growth * 7e-07 GLP1_CAEEL GLP-1 PROTEIN PRECURSOR glp1 prote [EGF_2] CG9572 GH07746 19C1-19C1
CG9572	ID:35F1
000055	+ BG:DS00180.12 cell_adhesion * 7e-18 C901 protein * 2e-23 similar to EGF-like domain; cDNA EST yk299a12.3 comes from this *
CG8855	7e-18 Ten-m2 * 1e-14 acetyl LDL receptor; SREC=scavenge [EGF_1 // EGF_2] CG8855 GH07762 34E1-34E1 ID:35F2 + 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
CG8108	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] CG14789
CG14789	GH07929 2B1-2B1 ID:35G12
CG8701	+ unknown * CG8701 GH07855 44B9-44B9 ID:35G4
0044040	+ transcription_factor * skeletal muscle LIM protein(aa) * DRAL gene product(aa) * skeletal muscle LIM-protein 1(aa) *
CG11916	testin(aa) [LIM] CG11916 GH07858 73D4-73D4 ID:35G5 + motor_protein * very strong similarity to C. elegans myosin heavy chain B * 6e-09 MYS1_YEAST MYOSIN-1 ISOFORM
CG6059	+ motor_protein * very strong similarity to C. elegans myosin heavy chain B * 6e-09 MYS1_YEAS1 MYOSIN-1 ISOFORM (TYPE II MYOSIN) myosin heavy * 1e-12 nonmuscle myosin [PEROXIDASE_3] CG6059 GH07888 97E8-97E8 dup:1/2 ID:35G7
00000	+ 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
	+ Hr78 transcription_factor * DMSVP1_2 svp * Hr78 * nuclear receptor XR78E/F(aa) * HR78_DROME NUCLEAR HORMONE
007400	RECEPTOR HR78 (DHR78) (NUCLEAR RECEPTOR XR78E/F) [STROIDFINGER // hormone_rec // zf-C4 //] CG7199 GH08073
CG7199	78D7-78D7 ID:35H10 + 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
CG3308	+ unknown * No definition line found(aa) * 8e-31 IPPI YEAST ISOPENTENYL-DIPHOSPHATE DELTA-ISOMERASE (IPP

	ISOMERASE) * 4e-44 isopentenyl-diphosphate delta isome [UPF0006] CG3308 GH08045 93D4-93D4 ID:35H8
	+ CH4 * COP9 complex subunit 4(aa) * COP9 complex homolog subunit DCH4(aa) * 5e-12 hypothetical protein YDL147w -
CG8725	yeast (Saccharomyces cerevisiae) * 7e-13 [PCI_DOMAIN // PCI] CG8725 43F8-43F8 dup:1/2 ID:37A9
	+ motor_protein * signaling molecule(aa) * contains similarity to Mus musculus tumor susceptibility protein TSG101 * tumor
CG9712	susceptibility protein TSG101(aa) * 4e-11 [TPR_REPEAT] CG9712 GH09529 73C4-73C4 ID:37B1
	+ 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
0040500	+ unknown * 4e-24 MANB_CAEEL PROBABLE BETA-MANNOSIDASE PRECURSOR (MANNANASE) (MANNASE) * 2e-39
CG12582	mannosidase, beta A, lysosomal BETA-MANNOSIDASE PRECURSO * 1e-40 CG12582 GH09594 82A-82A ID:37B4
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
	+ glycerol_kinase * 3e-59 GLPK_YEAST GLYCEROL KINASE (ATP:GLYCEROL 3-PHOSPHOTRANSFERASE)
000000	(GLYCEROKINASE) (* 6e-86 similar to glycerol kinase * 1e-107 GLPK_MOUSE GLYCER [FGGY_KINASES_2 // FGGY] CG8298
CG8298	GH09939 48D8-48D8 ID:37D12
	+ Cct5 chaperone * 1e-179 chaperonin TCP1 epsilon - yeast (Saccharomyces cerevisiae) * 7e-63 TCPA_DROME T-COMPLEX PROTEIN 1, ALPHA SUBUNIT (TCP-1-ALPHA) (CCT-ALPHA) * [TCP1 1 // TCP1 3 // TCOMPLEXTCP1 // CHA] CG8439
CG8439	GH10122 48F1-48F1 ID:37F2
CG0439	+ cytoskeletal_structural_protein * 2e-21 contains similarity to leucine-rich repeats, strongest similarity is to rat leuc * 6e-37
CG5784	acidic nuclear phosphoprotein pp32 * 3e-37 PHA1_HUMAN [LRR] CG5784 GH10170 54F6-55A1 ID:37F6
000704	+ 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
	+ protein_kinase * DMDFR2_2 btl * 3e-43 ABL_DROME TYROSINE-PROTEIN KINASE DASH/ABL protein-tyrosine * 7e-41
	Tyrosine-protein kinase ABL-1; cDNA EST comes from th[PROTEIN KINASE TYR // TYRKINASE // PROT] CG17309 GH10267
CG17309	86E18-86E19 dup:1/2 ID:37G1
	+ BcDNA:GH10333 unknown * 2e-91 hypothetical protein * * [ALDOKETO_REDUCTASE_3] CG12152 GH10333 7B8-7B8
CG12152	ID:37G11
	+ enzyme * NADH-UBIQUINONE DEHYDROGENASE KD SUBUNIT PRECURSOR(aa) * NADH-UBIQUINONE
	OXIDOREDUCTASE KD SUBUNIT PRECURSOR(aa) * NADH-UBIQUINONE OXIDOREDUCTASE KD [COMPLEX1_24K //
CG5703	complex1_24kD // NLS_BP] CG5703 16B10-16B10 dup:1/3 ID:37G5
	+ BcDNA:GH08860 * 9e-86 cif1 * 1e-37 predicted using Genefinder; similar to trehalose phosphate synthas * 4e-86 TPS1_KLULA
CG4104	ALPHA,ALPHA-TREHALOSE-PHOSPHATE SYNTHASE (U [TrehaloseP_syn] CG4104 24F1-24F1 dup:1/3 ID:37G7
	+ norpA enzyme * contains similarity to phophatidylinositol-specific phosphlipase C, X domains (Pfam: PI-PLC-X.hmm, score:
CG3620	200.23)(aa) * phospholipase C beta-4(aa) * CG3620 GH10316 4B6-4B6 dup:2/2 ID:37G8
	+ T-cp1 chaperone * DMTCP1_2 T-cp1 * T-COMPLEX PROTEIN 1, ALPHA SUBUNIT (TCP-1-ALPHA) (CCT-ALPHA)(aa) * 1e-
	178 T complex protein (put.); putative * similar to T-complex [TCP1_1 // TCP1_2 // TCP1_3 // TCOMPLEXT] CG5374 GH10347
CG5374	94B4-94B4 ID:37H1

CG1469	+ Fer2LCH ligand_binding_or_carrier FERRITIN PRECURSOR CG1469 ID:37H10
CG10536	+ ubiquitin-protein_ligase ubiquitin-conjugating enzyme E2B (RAD6 homolog) UBIQUITIN_CONJUGAT_2 CG10536 GH10432 ID:37H11
	+ 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 + protein_kinase * Pak * DMAURG_2 aur * MST1(aa) * SERINE/THREONINE-PROTEIN KINASE PLO1(aa) [TYRKINASE //
CG11228	PROTEIN_KINASE_DOM // pkin] CG11228 GH10354 56D10-56D10 ID:37H3
CG5687	 transporter * No definition line found(aa) * sodium-dependent multi-vitamin transporter(aa) * unknown(aa) * sodium-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 * 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
CG 10302	+ unknown * 1e-07 cDNA clone for has a 574-bp insertion at positio * BLASTX 8.8E-06 SRP40 Suppressor of mutant AC40
CG9056	subunit of RNA polyme * [PRO_RICH // NLS_BP] CG9056 GH10459 13F7-13F8 dup:1/2 ID:38A3
007757	+ structural_protein * U4/U6-associated RNA splicing factor(aa) * 9e-24 hypothetical protein YDR473c - yeast (Saccharomyces
CG7757	cerevisiae) (U * 1e-101 cDNA EST comes from thi [NLS_BP] CG7757 GH10477 76D7-76D7 ID:38A4 + 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 + Su(fu) unknown * DMSF_2 Su(fu) * Su(fu) protein(aa) * gene suppressor of fused protein - fruit fly (Drosophila melanogaster) *
CG6054	6e-80 Su(fu) protein CG6054 GH10488 87C8-87C8 ID:38A6
CG1893	 unknown * unknown product related to TRA1 protein(aa) * 3e-07 YJ70_YEAST HYPOTHETICAL 37.5 KD PROTEIN IN YUH1-URA8 INTERGENIC REGION * 5e-40 cDNA EST yk383g8. CG1893 GH10494 63B5-63B5 ID:38A7
CG18284	+ unknown * CG18284 GH10507 31F5-31F5 ID:38A9
CC101E0	+ BEAF-32 DNA_binding * boundary element-associated factor, 32k - fruit fly (Drosophila melanogaster)(aa) * 1e-146
CG10159	DMBEAF32A_2 BEAF-32 * boundary element associated factor [NLS_BP] CG10159 GH10592 51C3-51C3 ID:38B2 + ligand_binding_or_carrier * GLYCEROL-3-PHOSPHATE DEHYDROGENASE, MITOCHONDRIAL PRECURSOR (GPD-M) (GPDH-M)(aa) * 1e-112 GPDM_YEAST GLYCEROL-3-PHOSPHATE DEHYDROGENAS[FAD_G3PDH_1 // FADG3PDH //
CG8256	FAD_G3PDH_2] CG8256 GH10595 52D2-52D3 dup:2/2 ID:38B3
	+ unknown * royal jelly protein RJP57-2 - honeybee(aa) * DMYELLOW_7 y * 9e-32 YELL_DROME YELLOW PROTEIN yellow
CG9889	protein - fruit fly (Dros * 2e-34 milk protein ma CG9889 GH10609 59D9-59D9 ID:38B4 + BcDNA:GH10614 enzyme * 2e-49 GCY_YEAST GCY PROTEIN GCY1 protein - yeast (Saccharomyces * 3e-58 Similarity to
CG10863	Human aldose reductase (SW:ALDR_HUMAN) * 1e-77 ALDR_MOUSE ALDO [ALDKETRDTASE // ALDOKETO_REDUCTASE_1 //] CG10863 GH10614 64A1-64A1 ID:38B5

000074	
CG3074	+ endopeptidase similar to cysteine protease Peptidase_C1, THIOL_PROTEASE_HIS CG3074 GH10620 dup:1/3 ID:38B6
	+ Cyp6a17 cytochrome_P450 * CYP6A2(aa) * 4e-43 YRV2_CAEEL PUTATIVE CYTOCHROME P450 T10B9.2 IN
	CHROMOSOME II * 2e-68 cytochrome P450IIIA * 4e-67 cytochrome P450, subfamily IIIA [EP450II // p450 // P450 // MITP450 // C]
CG10241	CG10241 GH10635 51D2-51D2 ID:38B8
CG1623	+ unknown * CG1623 GH10642 46B12-46B13 ID:38B9
	 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 coded
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-
	69 tyrosine kinase * 8e-73 YWR1_CAEEL PUTATIVE TYROSINE-PROTEIN KI[UBA // PROTEIN_KINASE_TYR // TYRKINASE]
CG14992	CG14992 GH10777 64A8-64A9 dup:2/5 ID:38C12
	+ 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
CG9133	+ unknown * CG9133 GH10732 61F4-61F4 dup:1/3 ID:38C6
	+ 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
	+ Su(H) DNA_binding * DMSUHA_2 Su(H) * RBJK_DROME J KAPPA-RECOMBINATION SIGNAL BINDING PROTEIN (RBP-J
	KAPPA) (SUPPRESSO * 1e-134 DNA-binding protein LAG-1 lag-1 ge * RB [LIPOCALIN] CG3497 GH10914 35C1-35C1 dup:2/2
CG3497	ID:38D10
	+ signal_transduction * glucosyltransferase; Die2p(aa) * 1e-16 DIE2_YEAST DIE2 PROTEIN DIE2 protein - yeast (Saccharom
CG7624	* 6e-23 Similarity to Yeast DIE2 protein elega * 4e-4 [SH3] CG7624 GH10931 68A6-68A7 ID:38D12
	+ 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
	+ endopeptidase * 5e-32 Similarity to human placental protein * 2e-42 glucocorticoid-sensitive T cell-specific protein - mouse *
CG2145	5e-41 placental protein (serine prote CG2145 GH10845 10A1-10A1 dup:2/2 ID:38D4
	+ enzyme * 2e-56 UCRI_YEAST UBIQUINOL-CYTOCHROME C REDUCTASE IRON-SULFUR SUBUNIT PRECURSOR
	(RIESK * 2e-60 contains similarity to Rieske iron-sulfur proteins * [RIESKE_1 // Rieske // RIESKE_/ RIESKE_] CG7361 GH10847
CG7361	22E1-22E1 ID:38D6
	+ 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
	+ enzyme * 2e-12 probable membrane protein YLR118c - yeast (Saccharomyces cerevisiae) * 2e-21 Similarity to some
CG6567	prokaryotic esterases; cDNA EST com * 3e-26 ly [ESTERASE] CG6567 GH11067 86C7-86C7 dup:2/2 ID:38E12
	+ Dredd endopeptidase * DREDD isoform delta * 2e-16 interleukin-1 beta-converting enzyme homolog CED-3 - Caenorhabditis
	elegans * 1e-18 caspase-8 caspase-8 * 5e-18 caspas[CASPASE_P10 // ICE_p10 // CASPASE_P20 /] CG7486 GH10971 1B10-
CG7486	1B10 dup:2/2 ID:38E5

CG6456	+ unknown * 9e-07 prepro-APGWamide * APGWamide * [NLS_BP] CG6456 GH11008 74B-74B dup:2/2 ID:38E7 + EG:86E4.5 * dJ454M7.1.2 (Lowe Oculocerebrorenal Syndrome protein OCRL-1) (isoform 2)(aa) * /match=(desc:; /match=(desc:;
CG3573	/match=(desc:; /motif=(desc:; EST /matc [IPPc] CG3573 2B16-2B17 dup:2/2 ID:38E8
	+ RNA_binding * 3e-18 predicted using Genefinder; similar to KH domain family of RNA b * 3e-12 predicted using Genefinder;
CG2950	similar to KH domain family of RNA b * [KH-domain // KH_DOMAIN] CG2950 GH11071 25B3-25B3 dup:1/2 ID:38F1
	+ tumor_suppressor * 3e-09 /match=(desc:; /ma * 3e-16 predicted using Genefinder; Similarity to Human leukocyte surface *
	4e-26 CD82_MOUSE CD82 ANTIGEN (INDUCIBLE MEMBRA [transmembrane4 // TMFOUR // TM4_2] CG4999 GH11168 66E3-
CG4999	66E3 ID:38F10
CC40407	+ receptor * glutaminyl cyclase(aa) * 3e-32 YFI8_YEAST HYPOTHETICAL 41.0 KD PROTEIN IN UGS1-FAB1 INTERGENIC
CG10487	REGION * 3e-62 similar to guanylate cyclase; cDNA EST_CG10487 GH11174 64F4-64F4 ID:38F11
CG2910	+ BcDNA:GH11110 RNA_binding * 6e-06 heterogeneous nuclear RNP protein clone pHRP40.2 - fruit fly (Drosophila melan * 2e-25 contains similarity to RNA recognition motifs (Pfam; rr [RBD // rrm] CG2910 GH11110 43F7-43F8 dup:1/3 ID:38F3
CG2910 CG1927	+ BcDNA:GH11112 unknown * CG1927 GH11112 62B11-62B11 ID:38F4
CG 1921	+ transcription_factor * zinc finger protein(aa) * patched related protein translocated in renal cancer(aa) * protein(aa) * required
CG1937	to degrade misfolded ER lumenal and i[zf-C3HC4 // PRO_RICH // ZF_RING] CG1937 GH11117 100E3-100E3 dup:1/2 ID:38F5
001007	+ unknown * similar to GABA and glycine receptors(aa) * 6e-75 similar to GABA and glycine receptors * [TPR REPEAT]
CG4525	CG4525 GH11140 89A6-89A6 ID:38F8
	+ TfIIEalpha transcription_factor * 6e-23 T2EA_YEAST TRANSCRIPTION INITIATION FACTOR IIE, ALPHA SUBUNIT (TFIIE-
CG10415	ALPHA) (TRA * TFIIE large subunit * 7e-35 cDNA EST yk210d12.5 comes from CG10415 GH11150 68C13-68C13 ID:38F9
	+ Rab-RP4 enzyme * Rab4 * rab-related protein 4(aa) * 2e-29 SEC4_YEAST RAS-RELATED PROTEIN SEC4 GTP-binding protein
	SE * 1e-32 strong similarity to the YPT1 sub-family [SIGMA54_INTERACT_1 // SAR1GTPBP // ras] CG3129 GH11193 5A12-5A12
CG3129	ID:38G1
	+ 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
CG 13030	+ BcDNA:GH11322 cell_adhesion * Pxn * 6e-20 roundabout * 2e-15 hemicentin precursor * 1e-10 rig-1 protein [ig // fn3] CG16857
CG16857	GH11322 24E4-24E4 dup:2/5 ID:38G12
CG10599	+ unknown * [NLS BP] CG10599 GH11223 37B3-37B3 ID:38G3
	+ unknown * 5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase(aa) * 5-aminoimidazole-4-
CG11089	carboxamide ribonucleotide (AICAR) trans [ATP_GTP_A] CG11089 GH11240 96B4-96B5 ID:38G4
	+ Nmd3 unknown * 1e-115 NMD3_YEAST NONSENSE-MEDIATED MRNA DECAY PROTEIN Nmd3p * 1e-125 Similarity to
	Yeast nonsense-mdiated mRNA decay protein (SW:NMD3_Y * 1e-143 CG [CYTOCHROME_C] CG3460 GH11261 2E1-2E1
CG3460	ID:38G5
	+ flp signal_transduction * 2e-35 IRS1_MOUSE INSULIN RECEPTOR SUBSTRATE-1 insulin receptor sub * 9e-35
CCECOC	IRS1_HUMAN INSULIN RECEPTOR SUBSTRATE-1 (IRS-1) insulin * 2e-35 IRS1_RAT [INSULINRSI // PH_DOMAIN] CG5686 GH11263 31C1-31C3 ID:38G6
CG5686	
CG7157	+ Acp36DE signal_transduction * 36DE accessory gland protein(aa) * 1e-156 accessory gland protein Acp36DE * 1e-124 Acp36DE

,	CG/15/ GH11200 30F0-30F0 ID.30G0
+	unknown * unknown(aa) * 4e-12 putative Bop-like zinc finger protein * 1e-19 DMC103B4 [IPNS_1 // CYTOCHROME_C]
CG	28503 CH11204 50E8-50E8 ID:38C0

CG0303	CG0000 GTT 1294 00E0-00E0 ID.00G9
	+ Ugt35b enzyme * antennal-enriched UDP-glycosyltransferase melanogas * 3e-31 similar to UDP-glucuronosyltransferase * 5e-62
CG6649	UDB5_MOUSE UDP-GLUCURONOSYLTRANSFERASE 2B [UDPGT] CG6649 GH11333 86D5-86D5 ID:38H1
	D DNA CHALLE 1

+ BcDNA:GH11415 unknown * 1e-104 mab-21 * 1e-139 CAGR1 cell fate specificati * 1e-140 XMAB21 * cDNA EST yk376f11.5 comes from this gene; cDNA EST yk282h5.5 comes CG4766 GH11415 5D1-5D1 ID:38H10

+ endopeptidase * encodes a-cell barrier activity on alpha factor; Bar1p(aa) * similar to eukaryotic aspartyl proteases(aa) * BLASTX 1.4E-29 PEP4|Protease A (PrA) (y [asp // ASP_PROTEASE // PEPSIN] CG13095 GH11417 29D1-29D1 ID:38H11

CG13095 BLASTX 1.4E-29 PEP4|Protease A (PrA) (y [asp // ASP_PROTEASE // PEPSIN] CG13095 G
CG3624 + cell adhesion * [ig] CG3624 GH11432 58D7-58D7 dup:2/2 ID:38H12

+ Rpn5 endopeptidase * proteasome (prosome, macropain) 26S subunit, non-ATPase, 12(aa) * 5e-42 hypothetical protein CG1100 YDL147w - yeast (Saccharomyces cerevisiae) * 2e-81 No d [PCI_DOMAIN // PCI // NLS_BP] CG1100 GH11341 83C-83C ID:38H3

+ enzyme * HYPOTHETICAL 37.1 KD 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

+ enzyme * peroxinectin - signal crayfish(aa) * ovoperoxidase(aa) * peroxidase(aa) * coded for by C. elegans cDNA yk30f1.3;

CG8913 coded for by C. elegans cDNA yk40 [ANPEROXIDASE // PEROXIDASE_3] CG8913 GH11385 92C1-92C1 ID:38H5
+ NaCP60E ion_channel * DMSODCHA_6 para * DMCA1_2 Ca- agr;1D * sodium channel protein - fruit fly (Drosophila melanogaster) (fragments) * 4e-76 similar to dihydropryridine- [NACHANNEL // ion_trans // CATION_CHANNE] CG9071 GH11402
CG9071 60E4-60E5 dup:2/2 ID:38H6

+ RNA_binding * pre-mRNA splicing factor(aa) * contains similarity to G-beta repeats(aa) * 1e-76 Cdc40p * 3e-15 T2D4_DROME TRANSCRIPTION INITIATION FACTOR TFIID KD [GPROTEINBRPT // WD40_REGION // WD_REPEA] CG6015 GH11406 94A1-94A1 ID:38H8

CG17567 + unknown * 1E-78* * CG17567 GH11551 37C-37C ID:39A10

CC74E7 CH44000 26E6 26E6 ID:20C0

CC8503

CG4766

CG6015

CG16858

CG4107

+ RNA_binding * polyadenylate binding protein II - human(aa) * myelin gene expression factor 2(aa) * DMB52_2 B52 * Gbp1p CG9373 protein - Chlamydomonas reinhardtii(aa) [RBD // rrm] CG9373 GH11495 86C1-86C1 dup:1/2 ID:39A4

+ vkg cell_adhesion * DMINTGRNB_2 Cg25C * vkg * collagen type IV alpha * 7e-25 Similar to cuticular collagen; F58F6.2 [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 protein pylori * putative pylori * c CG13865 cyto unknown dup:3/3 ID:39B1

CG13865 protein pylori * putative pylori * c CG13865 cyto_unknown dup:3/3 ID:39B1 + Pcaf enzyme * Pcaf SPTR(aa) * BLASTX 2.0E-35 GCN5|Component of the nucleosomal histone acetyltransferase (Spt-Ada-

Gcn5-Acetyltransferase or SAGA) complex(dna) * B [NLS_BP] CG4107 GH11602 69C3-69C3 dup:2/2 ID:39B3 + enzyme * contains similarity to CDP-alcohol phosphotransferases(aa) * aminoalcoholphosphotransferase(aa) * 4e-24 sn-1,2-diacylglycerol cholinephosphotransf [CDP_ALCOHOL_P_TRANSF // CDP_ALCOHOL_P_T] CG7149 GH11618 28C8-28C9

CG7149 ID:39B5 + signal transduction * 3e-48 cdc4, incomplete, len: 579, CAI, 0.15, CC4 YEAST CELL DIVISI * 2e-61 Slimb * 5e-32

CG15010 YKY4_CAEEL HYPOTHETICAL 40.4 KD TRP-ASP REPEATS CO[GPROTEINBRPT // F-box // WD_REPEATS //] CG15010

GH11648 64B4-64B4 dup:2/3 ID:39B6

+ unknown * CG3825 GH11727 60A14-60A14 dup:1/3 ID:39C1
+ unknown * MYO-INOSITOL-1(OR 4)-MONOPHOSPHATASE (IMP 2) (INOSITOL MONOPHOSPHATASE 2)(aa) * MYO-INOSITOL-1(OR 4)-MONOPHOSPHATASE (IMP) (INOSITOL MONOPHOSPHATASE [inositol_P // INFBPHPHTASE // INOSPHPHT] CG17027 GH11740 72C1-72C1 ID:39C2
+ transporter * 40-kDa V-ATPase subunit(aa) * 3e-85 VATX_YEAST VACUOLAR ATP SYNTHASE SUBUNIT AC39 (V-ATPASE AC39 SUBUNIT) (V-ATPASE * 1e-172 Ac39/physophilin * 1e- CG2934 GH11776 4A1-4A1 ID:39C4
+ enzyme * FLAVONOL 3-SULFOTRANSFERASE (F3-ST)(aa) * steroid sulfotransferase 3(aa) * sulfotransferase family 2B, member 1(aa) * sulfotransferase, estrogen-pre [Sulfotransfer] CG5428 GH11818 59F4-59F4 ID:39C6

+ 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

CG13928 + unknown * inserted at base Both 5' and 3' ends of P element Inverse PCR * * CG13928 GH11843 62A-62A ID:39C8 + transporter * 2e-50 Na(+)-dependent inorganic phosphate cotransporter mela * 7e-54 YLD2_CAEEL HYPOTHETICAL 52.7

CG15095 KD PROTEIN C38C10.2 IN CHROMOSOME III * 2e-45 NPT1 [sugar_tr] CG15095 GH11849 55F1-55F1 ID:39C9

CG9284 + unknown * CG9284 GH11908 58A2-58A2 ID:39D1

+ transporter * Contains similarity to equilibratiave nucleoside transporter from Homo sapiens. ESTs and come from this gene.(aa) * NBMPR-insensitive nucleoside tr [DERENTRNSPRT] CG11045 GH12067 26E2-26E2 ID:39D11 + Rpt5 endopeptidase * contains similarity to the AAA family of ATPases (Pfam; AAA, score; 259.07); most similar to human

probable 26S protease subunit TBP-1 * putative [AAA // MITOCH_CARRIER // ATP_GTP_A] CG10370 GH12068 95B7-95B7

CG10370 ID:39D12

+ unknown * HYPOTHETICAL 37.7 KD PROTEIN ZK686.3 IN CHROMOSOME III(aa) * IMPLANTATION-ASSOCIATED CG7830 PROTEIN(aa) * N33 PROTEIN(aa) * 9e-99 kDa encoded by N33 [THIOREDOXIN_2] CG7830 29A4-29A4 dup:2/2 ID:39D4

+ 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

+ BcDNA:GH11973 unknown * 2e-05 CD94 C-type lectin receptor musculu * 4e-05 regenerating islet-derived alpha (pancreatic stone protein, pancreatic thread protein) * 7e-05 PA2 [lectin_c // C_TYPE_LECTIN_2 // NLS_BP] CG6014 GH11973 78D4-78D4

CG6014 dup:3/3 ID:39D7

+ unknown * 2e-12 HNK-1 sulfotransferase + NK-1 sulfotransferase * 2e-12 HNK-1 sulfotransferase * [PRO_RICH] CG14024

CG14024 GH11985 25D4-25D5 ID:39D8

CG1146 + unknown * CG1146 GH12037 62E6-62E6 ID:39D9

+ BcDNA:GH12174 DNA_binding * 1e-05 eyelid * 6e-45 YP83_CAEEL HYPOTHETICAL 139.1 KD PROTEIN C08B11.3 IN CHROMOSOME II * 5e-06 FMO5_MOUSE DIMETHYLANILINE MONOOXYGENASE (N-OXIDE FO [ARID] CG3274 GH12174

CG3274 42B2-42B3 dup:4/4 ID:39E10

+ Pfk enzyme * DMPFK_5 Pfk * DMPFK_5 Pfk * 1e-151 phosphofructokinase, beta subunit * K6PF_DROME 6-PHOSPHOFRUCTOKINASE (PHOSPHOFRUCTOKINASE) (PHOSPHOHEXOKINASE) [PFK // PHFRCTKINASE] CG4001

CG4001 GH12192 46E4-46E4 dup:4/5 ID:39E11

CG3174	+ enzyme * 1e-30 YHX6_YEAST HYPOTHETICAL 42.4 KD PROTEIN IN ENO2-STB5 INTERGENIC REGION * 9e-53 similar to flavin-containing monooxygenases * 2e-29 FMO3_MOUSE [ADXRDTASE // FADPNR // FMO-like // PNDR] CG3174 GH12207 42B3-42B3 dup:2/2 ID:39E12
003174	+ unknown * 2e-10 YEA3 YEAST HYPOTHETICAL 14.3 KD PROTEIN IN GCN4-WBP1 INTERGENIC REGION * 7e-28
CG6302	prefoldin subunit * 2e-68 I(3)j9B4 I(3)j9B4 inserted at base Bo CG6302 GH12095 70E1-70E1 dup:2/2 ID:39E2 + bw transporter * BROWN PROTEIN(aa) * DMBROWN_1 bw * brown protein(aa) * BROWN PROTEIN(aa) [ATP_GTP_A2 //
CG17632	ABC_tran // DA_BOX] CG17632 GH12107 59E-59E3 dup:2/2 ID:39E3
CG16982	+ EG:115C2.11 unknown * 2e-37 hypothetical protein YOL133w - yeast (Saccharomyces cerevisiae) * 9e-60 /match=(desc: * 8e-50 Similarity to yeast hypothetical protein PIR acc [ZF_RING] CG16982 GH12110 1B10-1B10 dup:2/2 ID:39E4
CG9119	+ unknown * 2e-25 No definition line found * * CG9119 61F3-61F3 dup:5/5 ID:39E5
CG17420	+ CG17420 dup:2/2 ID:39E6
0017420	+ 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
CG4929	+ CG4929 dup:2/2 ID:39E8
CG10841	+ unknown * CG10841 GH12158 87F6-87F6 dup:2/2 ID:39E9
	+ 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
	+ ligand_binding_or_carrier * ALPHA-TOCOPHEROL TRANSFER PROTEIN (ALPHA-TTP)(aa) * 4e-08 YKJ1_YEAST 36.1 KD PROTEIN IN BUD2-MIF2 INTERGENIC REGION * 5e-10 62D9.a * 2e-25 cellular [CRETINALDHBP // CRAL_TRIO] CG5973
CG5973	GH12376 27F7-28A1 ID:39F12
0000.0	+ enzyme * Ynr027wp(aa) * 8e-44 YEC9_YEAST HYPOTHETICAL 35.6 KD PROTEIN IN MCM3-VMA3 INTERGENIC
CG4446	REGION * 2e-57 PDXK_CAEÉL PUTATIVE PYRIDOXINE KINASE (PYRIDOXAL [pfkB] CG4446 GH12231 67B1-67B1 ID:39F3
	+ Phm enzyme * Phm * 4e-65 peptidylglycine alpha-hydroxylating monooxygenase * 8e-05 similar to peptidyl-glycine alpha-
	amidating monooxygenases elega * 5e-09 AMD_M [PAMONOXGNASE // Cu2_monooxygen // CU2_M] CG3832 GH12243 60A14-
CG3832	60A14 ID:39F4
CG17841	+ BcDNA:GH12326 unknown * CG17841 GH12326 9B14-9B15 dup:2/2 ID:39F7
	+ CBP calcium_binding * CBP * sarcoplasmic calcium-binding protein(aa) * 1e-161 sarcoplasmic calcium-binding protein * 4e-23
CG1435	SCP_PERVT SARCOPLASMIC CALCIUM-BINDING PROTEIN [EF_HAND // NLS_BP // efhand // EF_HAND_] CG1435 GH12350 7A4-7A4 ID:39F9
CG 1435	+ 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 20B1-20B1
CG12466	dup:1/2 ID:39G1
	+ peptidase * PUTATIVE AMINOPEPTIDASE ZK353.6 IN CHROMOSOME III(aa) * Chain A, Bovine Lens Leucine
CG4750	Aminopeptidase Complexed With L-Leucine Phosphonic Acid(aa) * [Peptidase_M17] CG4750 GH12543 53C-53C ID:39G10
	+ enzyme * D-ASPARTATE OXIDASE (DASOX) (DDO)(aa) * D-AMINO ACID OXIDASE (DAMOX) (DAO) (DAAO)(aa) *
CG11236	similar to D-amino acid oxidase(aa) * D-aspartate oxidase i [DAO // FMOXYGENASE // PROTEIN_KINASE_AT] CG11236

GH12548 28E7-28E7 ID:39G11

CG4389

CG10691

CG3116

CG12131

CG8402

CG6166

+ BcDNA:GH12558 enzyme * MITOCHONDRIAL TRIFUNCTONAL ENZYME ALPHA SUBUNIT PRECURSOR (TP-ALPHA) LONG-
CHAIN ENOYL-COA HYDRATASE ; LONG CHAIN 3-HYDROXYACYL-COA DEHYDROGENASE * s [ECH // 3HCDH //
ENOYL_COA_HYDRATASE] CG4389 GH12558 30B12-30B12 ID:39G12
signal transduction * 10, 115 dies growth factor * 20, 14 CHIT, CAEEL DUTATIVE ENDOCHITINASE coded for by C. clagans

+ signal_transduction * 1e-115 disc growth factor * 2e-14 CHIT_CAEEL PUTATIVE ENDOCHITINASE coded for by C. elegans 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 + I(2)37Ccunknown * HYPOTHETICAL 31.8 KD PROTEIN IN CHROMOSOME II(aa) * DMCCR 5 I(2)37Cc * mitochondrial protein,

prohibitin homolog; similar to S. cerevisiae Phb2p; Ph [PROHIBITIN // Band_7] CG10691 GH12454 37C1-37C1 ID:39G6 + ken transcription_factor * ken * ken(aa) * 8e-09 AZF1_YEAST ASPARAGINE-RICH ZINC FINGER PROTEIN AZF1 fin * 9e-10

CG5575 zinc finger protein PAG-3 [BTB // zf-C2H2 // ZINC_FINGER_C2H2 // Z] CG5575 GH12495 60A6-60A7 ID:39G8

+ Dat ligand_binding_or_carrier * DMNAT1_2 Aanat1 * N-acetyltransferase(aa) * aralkylamine N-acetyltransferase (EC 2.3.1.87)

CG3318 - fruit fly (Drosophila melano * CG3318 GH12636 60B9-60B9 ID:39H12

+ Idgf2 enzyme * IDGF2 * 5e-09 probable membrane protein YDR371w - yeast (Saccharomyces cerevisiae) * disc growth factor * 3e-24 CHIT CAEEL PUTATIVE ENDOCHITINASE co [2SGLOBULIN // Glyco hydro 18] CG4475 GH12581 36A1-36A1 ID:39H4

CG4475 3e-24 CHIT_CAEEL PUTATIVE ENDOCHITINASE co [2SGLOBULIN // Glyco_hydro_18] CG4475 GH12581 36A1-36A1 ID:39H4 + chaperone * embryonal lethal (2)13-1 (el(2)13-1) - fruit fly (Drosophila melanogaster)(aa) * 4e-16 HS27 DROME HEAT

CG4461 SHOCK PROTEIN heat shock protein - f * 9e-10 [HSP20] CG4461 GH12586 67B1-67B1 ID:39H6

+ cell_adhesion * DMSCA_3 sca * 2e-21 sca protein * 1e-09 coded for by C. elegans cDNA yk9a2.5; coded for by C. elegans cDNA yk9a2.3; simi * 5e-30 ficolin-A [fibrinogen_C] CG1889 GH12692 9A3-9A3 ID:40A10

+ metabolism * 4e-05 epithin * 7e-06 gp330 precursor * 4e-05 complement C3b/C4b inactivator (EC 3.4.21.-) precursor -

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

+ Rh4 G_protein_linked_receptor * opsin(aa) * Rh4 * OPS4_DROME OPSIN RH4 (INNER R7 PHOTORECEPTOR CELLS OPSIN) * 2e-15 YXX5_CAEEL PUTATIVE NEUROPEPTIDE Y RECEPTOR (NPY-R) simila [GPCRRHODOPSN // OPSIN /

CG9668 OPSINRH3RH4] CG9668 GH12673 73C5-73D1 ID:40A5

+ translation_factor * UNKNOWN(aa) * 7e-86 inserted at base Both 5' and 3' ends of P element Inverse PCR * eukaryotic translation initiation factor eIF3, p35 subunit * CG12131 GH12681 46C10-46C11 ID:40A7

+ 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 GH12714 85E6-85E6 ID:40B1

+ unknown * ABC transporter, ATP-binding protein, putative(aa) * 2e-18 conserved protein * daunorubicin resistance membrane protein (drrB) * CG6166 GH12746 97A9-97A9 dup:1/2 ID:40B5

+ TppII peptidase * tripeptidyl peptidase II; dTPP II; subtilisin-like serine protease * 1e-135 YQS6_CAEEL HYPOTHETICAL SUBTILASE-TYPE PROTEINASE F21H12.6 IN CHROMOSOME [Peptidase_S8 // SUBTILASE_SER // SUBTIL] CG3991 GH12811

CG3991 49F7-49F7 ID:40B7

CG8775 + peptidase * 1e-112 APE2_YEAST AMINOPEPTIDASE II (YSCII) aminopeptidase yscII * 1e-110 Similarity to Human

+ structural protein* nuclear pore protein; Nsp1p(aa)* nucleoporin p62(aa) * similar to nucleoporins(aa)* NUCLEAR PORE GLYCOPROTEIN P62 (NUCLEOPORIN P62)(aa) (C6251 GH12838 53B1-53B1 ID:40B9 + signal_transduction* centaurin beta 1/(aa)* BLASTX 1.6E-48 Human mRNA for gene, partial cds.(dna)* HYPOTHETICAL PROTEIN * centaurin beta2(aa) [ANK_REP // ArtGap // GLYCOSYL_HYDROL_F5] CG6742 GH12888 94E-94E dup:1/2 ID:40C1 + unknown* 9-07 PAC2_YEAST PAC2_PROTEIN PAC2 protein* yeast (Saccharomy* 3e-46 No definition line found* 1e-23 CG12214 tubulin-specific chaperone e cofactor E* CG12214 GH13040 46F1-46F1 dup:1/2 ID:40C10 + transporter * similar to ADP/ATP translocase(aa)* 2e-17 probable membrane protein YPL134c - yeast (Saccharomy* 3e-46 No definition line found* 1e-23 tubulin-specific chaperone e cofactor E* CG12214 GH13040 46F1-46F1 dup:1/2 ID:40C10 + transporter * similar to ADP/ATP translocase(aa)* 2e-17 probable membrane protein YPL134c - yeast (Saccharomy* 3e-46 No definition line found* 1e-23 tubulin-specific chaperone e cofactor E* CG12214 GH13040 46F1-46F1 dup:1/2 ID:40C10 + transporter * similar to ADP/ATP translocase(aa)* 2e-17 probable membrane protein YPL134c - yeast (Saccharomy* 3e-46 No definition line found* 1e-23 tubulin-specific chaperone e cofactor E* CG1214 GH13040 46F1-46F1 dup:1/2 ID:40C10 + unknown* CG5506 GH13083 75A6-75A6 ID:40C12 + unknown* * Protein* similar to Plasmodium falciparum glutamic acid-rich protein precursor * cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST come [PRO RICH] CG10955 GH12904 58D6-58D6 dup:1/3 ID:40C3 + unknown* * protein*, abene in the domain; cDNA EST comes CG12090 GH12915 62A5-62A6 dup:3/3 ID:40C3 + protein*, kinase* v-akt murine thymoma viral oncogene homolog 2(aa)* protein kinase C(aa)* PROTEIN KINASE C, THETA TYPE (NPKC-THETA)(aa)* PROTEIN KINASE C-LIKE (P[PROTEIN_KINASE_T)* PROTEIN_KINASE_DOM] CG2049 GH12918 CG2049 45C-45C dup:2/2 ID:40C5 + metabolism* Delt-Ta-1-PYRROLINE-5-CARBOXYLATE SYNTHETASE (PSCS) GLUTAMATE 5-KINASE (GAMMA-GLUTAMYL K		aminopeptidase N (SW:AMPN_HUMAN); cDNA EST EMB * 1e-16 [ALADIPTASE // Peptidase_M1 // ZINC_PROT] CG8775 GH12821 87E6-87E6 dup:2/2 ID:40B8
+ signal_transduction * centaurin beta 1Å(aa) * BLASTX 1.6E-48 Human mRNA for gene, partial cds.(dna) * HYPOTHETICAL PROTEIN * centaurin beta2(aa) [ANK_REP // ArtGap // 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-23 tubulin-specific chaperone e cofactor E * CG12214 GH13040 46F1-446F1 dup:1/2 ID:40C10 + transporter * similar to ADP/ATP translocase(aa) * 2e-17 probable membrane protein YPL134c - yeast (Saccharomyces cerevisiae) * 1e-32 colt * 1e-58 similar to mito [mito_carr // MITOCARRIER // MITOCH_CARR] CG4995 GH13054 31D8-31D8 ID:40C11 + unknown * CG5506 GH13083 75A6-75A6 ID:40C12 + unknown * Similar to Plasmodium falciparum glutamic acid-rich protein precursor * cDNA EST comes from this gene; cDNA EST comes CG12090 GH12915 62A5-62A6 dup:3/3 ID:40C3 + protein, kinase * v-akt murine thymoma viral oncogene homolog 2(ab) * protein kinase C(aa) * PROTEIN KINASE C, THETA TYPE (NPKC-THETA)(aa) * PROTEIN KINASE C-LIKE (P[PROTEIN_KINASE_ST // PROTEIN_KINASE_DOM] CG2049 GH12918 49C-45C dup:2/2 ID:40C5 + metabolism * DELTA 1-PYRROLINE-5-CARBOXYLATE SYNTHETASE (PSCS) GLUTAMATE 5-KINASE (GAMMA-GLUTAMYL KINASE) (GK); GAMMA-GLUTAMYL CHOSPHATE REDUCTASE (GPR) (GLUTAMA [GLU5KINASE // PROA // aldedh CG4306 + unknown * CG6306 GH12946 1781-1781 ID:40C7 + transporter * VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPASE D SUBUNIT) (V-ATPASE KD ACCESSORY PROTEIN)(iaa) * 1e-58 VATD_YEAST VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPASE D SUBUNIT) (V-ATPASE KD ACCESSORY PROTEIN)(iaa) * 1e-58 VATD_YEAST VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPASE D SUBUNIT) CG6372 GH13022 (266372 GB1302) - E212 transcription_factor * E212 * 1e-174 E2F-like transcription factor (E2F2) * 7e-14 predicted using Genefinder; cDNA EST comes from this gene; cDNA EST co		
PROTEIÑ * centaurin beta2(aa) [ANK_REP // ArīGa // 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-23 tubulin-specific chaperone e cofactor E * CG12214 GH13040 46F1-46F1 dup:1/2 ID:40C10 + transporter * similar to ADP/ATP translocase(aa) * 2e-17 probable membrane protein YPL134c - yeast (Saccharomyces cerevisiae) * 1e-32 colt * 1e-58 similar to mito [mito_carr // MITOCARRIER // MITOCH_CARR] CG4995 GH13054 31D8-31D8 CG4995 ID:40C11 CG5506 + unknown * CG5506 GH13083 75A6-75A6 ID:40C12 + unknown * Similar to Plasmodium falciparum glutamic acid-rich protein precursor * cDNA EST comes from this gene; cDNA EST come [PRO_RICH] CG10955 GH12904 58D6-58D6 dup:1/3 ID:40C2 + unknown * protein(aa) * Iml17(aa) * 9e-46 YJ9G_YEAST HYPOTHEICAL 182.0 KD PROTEIN IN NMD5-HOM6 CG12090 INTERGENIC REGION * 4e-75 Proline rich domain; cDNA EST comes CG12090 GH12915 62A5-62A6 dup:3/3 ID:40C3 + protein_kinase * V-akt murine thymmom virial oncogene homolog 2(aa) * protein kinase C(aa) * PROTEIN KINASE C, THETA TYPE (MPKC-THETA)(aa) * PROTEIN KINASE C-LIKE (PJPROTEIN_KINASE_ST / PROTEIN_KINASE_DOM] CG2049 GH12918 CG2049 45C-45C dup:2/2 ID:40C5 + metabolism * DELTA 1-PYRROLINE-5-CARBOXYLATE SYNTHETASE (P5CS) GLUTAMATE 5-KINASE (GAMMA-GLUTAMYL KINASE) (GK); GAMMA-GLUTAMYL PHOSPHATE REDUCTASE (GPR) (GLUTAMA [GLU5KINASE / PROA // aldedh // GLUTAMA] CG7470 GH12945 79B3-79B3 dup:1/5 ID:40C6 CG6306 + unknown * CG6306 GH12945 77B3-79B3 dup:1/5 ID:40C7 + transporter * VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPASE D SUBUNIT) (V-ATPASE KD ACCESSORY PROTEIN)(aa) * 1e-58 VATD_YEAST VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPAS CB8186 GH12958 52A10-52A10 ID:40C8 + peptidase * Chain A, Bovine Lens Leucine Aminopeptidase Complexed With L-Leucine Phosphonic Acid(aa) * 6e-20 YOJ6_CAEEL PUTATIVE AMINOPEPTIDASE ZK353.6 IN CHROM [LAMNOPPTDASE // Peptidase_M17] CG6372 GH13022 CG6372 6BC1-68C1 dup:2/2 ID:40C9 + E212 transcription_factor * E212	CG6251	GLYCOPROTEIN P62 (NUCLEOPORIN P62)(aa) CG6251 GH12838 53B1-53B1 ID:40B9
tubulin-specific chaperone e cofactor E * CG12214 GH13040 46F1-46F1 dup-1/2 ID:40C10 + transporter * similar to ADP/ATP translocase(aa) * 2e-17 probable membrane protein YPL134c - yeast (Saccharomyces cerevisiae) * 1e-32 colt * 1e-58 similar to mito [mito_carr // MITOCARRIER // MITOCH_CARR] CG4995 GH13054 31D8-31D8 CG4995 ID:40C11 CG5506 + unknown * CG5506 GH13083 75A6-75A6 ID:40C12 + unknown * Similar to Plasmodium falciparum glutamic acid-rich protein precursor * cDNA EST comes from this gene; cDNA CG10955 EST comes from this gene; cDNA EST come [PRO_RICH] CG10955 GH12904 58D6-58D6 dup:1/3 ID:40C2 + unknown * protein(aa) * Imi1p(aa) * 9e-46 YJ9G_YEAST HYPOTHETICAL 182.0 KD PROTEIN IN NMD5-HOM6 INTERGENIC REGION * 4e-75 Proline rich domain; cDNA EST comes CG12090 GH12915 62A5-62A6 dup:3/3 ID:40C3 + protein_kinase * v-akt murine thymoma viral oncogene homolog 2(aa) * protein kinase C(aa) * PROTEIN KINASE C, THETA TYPE (NPKC-THETA)(aa) * PROTEIN KINASE C-LIKE (P[PROTEIN_KINASE_ST // PROTEIN_KINASE_DOM] CG2049 GH12918 45C-45C dup:2/2 ID:40C5 + metabolism * DELTA 1-PYRROLINE-5-CARBOXYLATE SYNTHETASE (P5CS) GLUTAMAT E5-KINASE (GAMMA- GLUTAMYL KINASE) (GK); GAMMA-GLUTAMYL PHOSPHATE REDUCTASE (GPR) (GLUTAMA [GLUSKINASE // PROA // aldedh CG7470 // GLUTAMA] CG7470 GH12945 79B3-79B3 dup:1/5 ID:40C6 CG6306 + unknown * CG6306 GH12946 17B1-17B1 ID:40C7 + transporter * VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPASE D SUBUNIT) (V-ATPASE KD ACCESSORY PROTEIN)(aa) * 1e-58 VATD_YEAST VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPAS CG8186 GH12958 52A10-52A10 ID:40C8 CG6372 68C1-68C1 dup:2/2 ID:40C9 + E2/2 transcription_factor * E2/2 * 1e-174 E2F-like transcription factor (E2F2) * 7e-14 predicted using Genefinder; cDNA EST Comes from this *3 e-18 E2F5_MOUSE TRANSCRIPTION FAC CG1071 GH13089 39B3-39B3 ID:40D1 + unknown * cDNA EST comes from this gene; cD	CG6742	PROTEIN * centaurin beta2(aa) [ANK_REP // ArfGap // GLYCOSYL_HYDROL_F5] CG6742 GH12888 94E-94E dup:1/2 ID:40C1
transporter * similar to ADP/ATP translocase(aa) * 2e-17 probable membrane protein YPL134c - yeast (Saccharomyces cerevisiae) * 1e-32 colt * 1e-58 similar to mito [mito_carr // MITOCARRIER // MITOCH_CARR] CG4995 GH13054 31D8-31D8 ID:40C11 CG5506	CG12214	
CG4995 ID:40C11 CG5506 + unknown * CG5506 GH13083 75A6-75A6 ID:40C12 + unknown * Similar to Plasmodium falciparum glutamic acid-rich protein precursor * cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST come [PRO_RICH] CG10955 GH12904 58D6-58D6 dup:1/3 ID:40C2 + unknown * protein(aa) * ImI1p(aa) * 9e-46 YJ9G_YEAST HYPOTHETICAL 182.0 KD PROTEIN IN NMD5-HOM6 CG12090 INTERGENIC REGION * 4e-75 Proline rich domain; cDNA EST comes CG12090 GH12915 62A5-62A6 dup:3/3 ID:40C3 + protein_kinase * v-akt murine thymoma viral oncogene homolog 2(aa) * protein kinase C4aa) * PROTEIN KINASE C, THETA TYPE (NPKC-THETA)(aa) * PROTEIN KINASE C-LIKE (P[PROTEIN_KINASE_ST // PROTEIN_KINASE_DOM] CG2049 GH12918 CG2049 45C-45C dup:2/2 ID:40C5 + metabolism * DELTA 1-PYRROLINE-5-CARBOXYLATE SYNTHETASE (P5CS) GLUTAMATE 5-KINASE (GAMMA-GLUTAMYL KINASE) (GK); GAMMA-GLUTAMYL PHOSPHATE REDUCTASE (GPR) (GLUTAMA [GLU5KINASE // PROA // aldedh GLUTAMYL KINASE) (GK); GAMMA-GLUTAMYL PHOSPHATE REDUCTASE (GPR) (GLUTAMA [GLU5KINASE // PROA // aldedh CG6306 + unknown * CG6306 GH12946 1781-1781 ID:40C6 CG6306 + unknown * CG6306 GH12946 1781-1781 ID:40C7 + transporter * VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPASE D SUBUNIT) (V-ATPASE KD ACCESSORY PROTEIN)(aa) * 1e-58 VATD_YEAST VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPAS CG8186 GH12958 52A10-52A10 CG6172 (SG212 ID:40C9 + peptidase * Chain A, Bovine Lens Leucine Aminopeptidase Complexed With L-Leucine Phosphonic Acid(aa) * 6e-20 YOJ6_CAEEL PUTATIVE AMINOPEPTIDASE ZK353.6 IN CHROM [LAMNOPPTDASE // Peptidase_M17] CG6372 GH13022 CG6372 (SG212 ID:40C9 + E2f2 transcription_factor * E2f2 * 1e-174 E2F-like transcription factor (E2F2) * 7e-14 predicted using Genefinder; cDNA EST comes from this * 3e-18 E2F5_MOUSE TRANSCRIPTION FAC CG1071 GH13089 3983-3981 Di-4001 + unknown * CDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST yk410c1.3 comes from this gene; CDNA EST yk410c1.5 comes from this gene; cDNA [ATP_GTP_A] CG12113 GH13214 7F1-7F3 ID:40D10 + unknown * CDNA EST comes f	00.22	+ transporter * similar to ADP/ATP translocase(aa) * 2e-17 probable membrane protein YPL134c - yeast (Saccharomyces
+ unknown * Similar to Plasmodium falciparum glutamic acid-rich protein precursor * cDNA EST comes from this gene; cDNA EST come from this gene; cDNA EST come (PRO_RICH] CG10955 GH12904 S8306-58D6 dup:1/3 ID:40C2 + unknown * protein(aa) * Iml1p(aa) * 9e-46 YJ9G_YEAST HYPOTHETICAL 182.0 kD PROTEIN IN NMD5-HOM6 CG12090 INTERGENIC REGION * 4e-75 Proline rich domain; cDNA EST comes CG12090 GH12915 62A5-62A6 dup:3/3 ID:40C3 + protein_kinase * v-akt murine thymoma viral oncogene homolog 2(aa) * protein kinase C(aa) * PROTEIN KINASE C, THETA TYPE (NPKC-THETA)(aa) * PROTEIN KINASE C-LIKE (P[PROTEIN_KINASE_ST // PROTEIN_KINASE_DOM] CG2049 GH12918 CG2049 45C-45C dup:2/2 ID:40C5 + metabolism * DELTA 1-PYRROLINE-5-CARBOXYLATE SYNTHETASE (P5CS) GLUTAMATE 5-KINASE (GAMMA-GLUTAMYL PHOSPHATE REDUCTASE (GPR) (GLUTAMA [GLU5KINASE // PROA // aldedh // GLUTAMA] CG7470 GH12945 7983-7983 dup:1/5 ID:40C6 CG7470 // GLUTAMA] CG7470 GH12945 7983-7983 dup:1/5 ID:40C6 CG6306 + unknown * CG6306 GH12946 17B1-17B1 ID:40C7 + transporter * VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPASE D SUBUNIT) (V-ATPASE KD ACCESSORY PROTEIN)(aa) * 1e-58 VATD_YEAST VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPAS CG8186 GH12958 52A10-52A10 ID:40C8 + peptidase * Chain A, Bovine Lens Leucine Aminopeptidase Complexed With L-Leucine Phosphonic Acid(aa) * 6e-20 YOJ6_CAEEL PUTATIVE AMINOPEPTIDASE ZK353.6 IN CHROM [LAMNOPPTDASE // Peptidase_M17] CG6372 GH13022 G8C1-68C1 dup:2/2 ID:40C9 + E2f2 * transcription factor * E2f2 * te-174 E2F-like transcription factor (E2F2) * 7e-14 predicted using Genefinder; cDNA EST comes from this * 3e-18 E2F5_MOUSE TRANSCRIPTION FAC CG1071 GH13089 39B3-39B3 ID:40D1 + unknown * cDNA EST comes from this gene; cDNA [ATP_GTP_A] CG12113 GH13214 7F1-7F3 ID:40D10 + GIlolectin unknown * Gliolectin * gliolectin(aa) * 1e-98 Gilolectin * CG6575 GH13232 93F-93F ID:40D12 + ligand_binding_or_carrier * mannose receptor, C type 1(aa) * 1-e-58 similar to Lectin C-type domain short and long forms (2 domains) * 9e-06 lectin lambda * 6e-0[lectin c./ C_TYPE_LECTIN	CG4995	· – – – – – •
EST comes from this gene; cDNA EST come [PRO_ŘICH] CG10955 GH12904 58D6-58D6 dup:1/3 ID:40C2 + unknown * protein(aa) * Imi1p(aa) * 9e-46 Y J9G_YEAST HYPOTHETICAL 182.0 KD PROTEIN IN NMD5-HOM6 CG12090 INTERGENIC REGION * 4e-75 Proline rich domain; cDNA EST comes CG12090 GH12915 62A5-62A6 dup:3/3 ID:40C3 + protein_kinase * v-akt murine thymoma viral oncogene homolog 2(aa) * protein kinase C(aa) * PROTEIN KINASE C, THETA TYPE (NPKC-THETA)(aa) * PROTEIN KINASE C-LIKE (P[PROTEIN_KINASE_ST // PROTEIN_KINASE_DOM] CG2049 GH12918 CG2049 45C-45C dup:2/2 ID:40C5 + metabolism * DELTA 1-PYRROLINE-5-CARBOXYLATE SYNTHETASE (P5CS) GLUTAMATE 5-KINASE (GAMMA- GLUTAMYL KINASE) (GK); GAMMA-GLUTAMYL PHOSPHATE REDUCTASE (GPR) (GLUTAMA [GLU5KINASE // PROA // aldedh CG7470 (// GLUTAMA] CG7470 GH12945 7983-7983 dup:1/5 ID:40C6 CG6306 + unknown * CG6306 GH12946 17B1-17B1 ID:40C7 + transporter * VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPASE D SUBUNIT) (V-ATPASE KD ACCESSORY PROTEIN)(aa) * 1e-58 VATD_YEAST VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPAS CG8186 GH12958 52A10-52A10 ID:40C8 + peptidase * Chain A, Bovine Lens Leucine Aminopeptidase Complexed With L-Leucine Phosphonic Acid(aa) * 6e-20 YOJ6_CAEEL PUTATIVE AMINOPEPTIDASE ZK353.6 IN CHROM [LAMNOPPTDASE // Peptidase_M17] CG6372 GH13022 CG6372 68C1-68C1 dup:2/2 ID:40C9 + E2f2 transcription_factor * E2f2 * 1e-174 E2F-like transcription factor (E2F2) * 7e-14 predicted using Genefinder; cDNA EST comes from this * 3e-18 E2F5_MOUSE TRANSCRIPTION FAC CG1071 GH13089 39B3-39B3 ID:40D1 + unknown * cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST yk410c1.3 comes from this gene; cDNA EST yk410c1.5 comes from this gene; cDNA [ATP_GTP_A] CG12113 GH13214 7F1-7F3 ID:40D10 + Gliolectin unknown * Gliolectin * gliolectin(aa) * 1e-99 Gliolectin * CG6575 GH13232 93F-93F ID:40D12 + ligand_binding_or_carrier * mannose receptor, C type 1(aa) * 1e-05 similar to Lectin C-type domain short and long forms (2 domains) * 9e-06 lectin lambda * 6e-0[lectin_c // C_TYPE_LECTIN_1 // C_TYPE_LICG3343	CG5506	+ unknown * CG5506 GH13083 75A6-75A6 ID:40C12
+ unknown * protein(aa) * Imi1p(aa) * 9e-46 YJ9G_YEAST HYPOTHETICAL 182.0 KD PROTEIN IN NMD5-HOM6 INTERGENIC REGION * 4e-75 Proline rich domain; cDNA EST comes CG12090 GH12915 62A5-62A6 dup:3/3 ID:40C3 + protein_kinase * v-akt murine thymoma viral oncogene homolog 2(aa) * protein kinase C(aa) * PROTEIN KINASE C, THETA TYPE (NPKC-THETA)(aa) * PROTEIN KINASE C-LIKE (P[PROTEIN_KINASE_ST // PROTEIN_KINASE_DOM] CG2049 GH12918 CG2049 45C-45C dup:2/2 ID:40C5 + metabolism * DELTA 1-PYRROLINE-5-CARBOXYLATE SYNTHETASE (P5CS) GLUTAMATE 5-KINASE (GAMMA- GLUTAMYL KINASE) (GK); GAMMA-GLUTAMYL PHOSPHATE REDUCTASE (GPR) (GLUTAMA [GLU5KINASE // PROA // aldedh CG7470 // GLUTAMA] CG7470 GH12945 79B3-79B3 dup:1/5 ID:40C6 CG6306 + unknown * CG6306 GH12946 17B1-17B1 ID:40C7 + transporter * VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPASE D SUBUNIT) (V-ATPASE KD ACCESSORY PROTEIN)(aa) * 1e-58 VATD_YEAST VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPAS CG8186 GH12958 52A10-52A10 ID:40C8 + pepidase * Chain A, Bovine Lens Leucine Aminopeptidase Complexed With L-Leucine Phosphonic Acid(aa) * 6e-20 YOJ6_CAEEL PUTATIVE AMINOPEPTIDASE ZK353.6 IN CHROM [LAMNOPPTDASE // Peptidase_M17] CG6372 GH13022 CG6372 68C1-68C1 dup:2/2 ID:40C9 + E2f2 transcription_factor * E2f2 * 1e-174 E2F-like transcription factor (E2F2) * 7e-14 predicted using Genefinder; cDNA EST comes from this * 3e-18 E2F5_MOUSE TRANSCRIPTION FAC CG1071 GH13089 39B3-39B3 ID:40D1 + unknown * cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST yk410c1.3 comes from this gene; cDNA EST yk410c1.5 comes from this gene; cDNA EST comes from this gene; cDNA EST yk410c1.3 comes from this gene; cDNA EST yk410c1.5 comes from this gene; cDNA [ATP_GTP_A] CG12113 GH13214 7F1-7F3 ID:40D10 CG6575 + Gliolectin unknown * Gliolectin * gliolectin(aa) * 1e-99 Gliolectin * CG6575 GH13232 93F-93F ID:40D12 + Gliolectin lambda * 6e-0[lectin_c // C_TYPE_LECTIN_1 // C_TYPE_L] CG8343 GH13116 42A10-42A10 dup:2/2		
CG12090 INTERGENIC REGION * 4e-75 Proline rich domain; cDNA EST comes CG12090 GH12915 62A5-62A6 dup:3/3 ID:40C3 + protein_kinase * v-akt murine thymoma viral oncogene homolog 2(aa) * protein kinase C(aa) * PROTEIN KINASE C, THETA TYPE (NPKC-THETA)(aa) * PROTEIN KINASE C-LIKE (P[PROTEIN_KINASE_ST // PROTEIN_KINASE_DOM] CG2049 GH12918 45C-45C dup:2/2 ID:40C5 + metabolism * DELTA 1-PYRROLINE-5-CARBOXYLATE SYNTHETASE (P5CS) GLUTAMATE 5-KINASE (GAMMA-GLUTAMYL KINASE) (GK); GAMMA-GLUTAMYL PHOSPHATE REDUCTASE (GPR) (GLUTAMA [GLU5KINASE // PROA // aldedh GLUTAMYL KINASE) (GK); GAMMA-GLUTAMYL PHOSPHATE REDUCTASE (GPR) (GLUTAMA [GLU5KINASE // PROA // aldedh GC6306 + unknown * CG6306 GH12945 79B3-79B3 dup:1/5 ID:40C6 + unknown * CG6306 GH12946 17B1-17B1 ID:40C7 + transporter * VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPASE D SUBUNIT) (V-ATPASE KD ACCESSORY PROTEIN)(aa) * 1e-58 VATD_YEAST VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPAS CG8186 GH12958 52A10-52A10 ID:40C8 + peptidase * Chain A, Bovine Lens Leucine Aminopeptidase Complexed With L-Leucine Phosphonic Acid(aa) * 6e-20 YOJ6_CAEEL PUTATIVE AMINOPEPTIDASE ZK353.6 IN CHROM [LAMNOPPTDASE // Peptidase_M17] CG6372 GH13022 G8C1-68C1 dup:2/2 ID:40C9 + E2f2 * te-174 E2F-like transcription factor (E2F2) * 7e-14 predicted using Genefinder; cDNA EST comes from this * 3e-18 E2F5_MOUSE TRANSCRIPTION FAC CG1071 GH13089 39B3-39B3 ID:40D1 + unknown * cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST yk410c1.3 comes from this gene; cDNA EST yk410c1.5 comes from this gene; cDNA EST comes from this gene; cDNA EST yk410c1.5 comes from this gene; cDNA [ATP_GTP_A] CG12113 GH13214 7F1-7F3 ID:40D10 + ligand_binding_or_carrier * mannose receptor, C type 1(aa) * 1e-95 similar to Lectin C-type domain short and long forms (2 domains) * 9e-06 lectin lambda * 6e-0[lectin_c // C_TYPE_LECTIN_1 // C_TYPE_L] CG8343 GH13116 42A10-42A10 dup:2/2	CG10955	
+ protein_kinase * v-akt murine thymoma viral oncogene homolog 2(aa) * protein kinase C(aa) * PROTEIN KINASE C, THETA TYPE (NPKC-THETA)(aa) * PROTEIN KINASE C-LIKE (P[PROTEIN_KINASE_ST // PROTEIN_KINASE_DOM] CG2049 GH12918 CG2049 45C-45C dup:2/2 ID:40C5 + metabolism * DELTA 1-PYRROLINE-5-CARBOXYLATE SYNTHETASE (P5CS) GLUTAMATE 5-KINASE (GAMMA-GLUTAMYL KINASE) (GK); GAMMA-GLUTAMYL PHOSPHATE REDUCTASE (GPR) (GLUTAMA [GLU5KINASE // PROA // aldedh CG7470 // GLUTAMA] CG7470 GH12945 79B3-79B3 dup:1/5 ID:40C6 CG6306 + unknown * CG6306 GH12946 17B1-17B1 ID:40C7 + transporter * VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPASE D SUBUNIT) (V-ATPASE KD ACCESSORY PROTEIN)(aa) * 1e-58 VATD_YEAST VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPAS CG8186 GH12958 52A10-52A10 CG8186 ID:40C8 + peptidase * Chain A, Bovine Lens Leucine Aminopeptidase Complexed With L-Leucine Phosphonic Acid(aa) * 6e-20 YOJ6_CAEEL PUTATIVE AMINOPEPTIDASE ZK353.6 IN CHROM [LAMNOPPTDASE // Peptidase_M17] CG6372 GH13022 CG6372 68C1-68C1 dup:2/2 ID:40C9 + E2f2 transcription_factor * E2f2 * 1e-174 E2F-like transcription factor (E2F2) * 7e-14 predicted using Genefinder; cDNA EST CG1071 comes from this * 3e-18 E2F5_MOUSE TRANSCRIPTION FAC CG1071 GH13089 39B3-39B3 ID:40D1 + unknown * cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST yk410c1.3 comes from this gene; cDNA EST yk410c1.5 comes from this gene; cDNA EST comes from this gene; cDNA EST yk410c1.5 comes from this gene; cDNA [ATP_GTP_A] CG12113 GH13214 7F1-7F3 ID:40D10 CG6575 + Gliolectin unknown * Gliolectin * gliolectin * 1e-99 Gliolectin * CG6575 GH13323 93F-93F ID:40D12 + ligand_binding_or_carrier * mannose receptor, C type 1(aa) * 1e-05 similar to Lectin C-type domain short and long forms (2 domains) * 9e-06 lectin lambda * 6e-0[lectin_c // C_TYPE_LECTIN_1 // C_TYPE_L] CG8343 GH13116 42A10-42A10 dup:2/2	004000	
TYPE (NPKC-THETA)(aa) * PROTEIN KINASE C-LIKE (P[PROTEIN_KINASE_ST // PROTEIN_KINASE_DOM] CG2049 GH12918 45C-45C dup: 2/2 ID: 40C5 + metabolism * DELTA 1-PYRROLINE-5-CARBOXYLATE SYNTHETASE (P5CS) GLUTAMATE 5-KINASE (GAMMA-GLUTAMYL KINASE) (GK); GAMMA-GLUTAMYL PHOSPHATE REDUCTASE (GPR) (GLUTAMA [GLU5KINASE // PROA // aldedh CG7470	CG12090	
CG2049 45C-45C dup:2/2 ID:40C5 + metabolism * DELTA 1-PYRROLINE-5-CARBOXYLATE SYNTHETASE (P5CS) GLUTAMATE 5-KINASE (GAMMA-GLUTAMYL KINASE) (GK); GAMMA-GLUTAMYL PHOSPHATE REDUCTASE (GPR) (GLUTAMA [GLU5KINASE // PROA // aldedh // GLUTAMA] CG7470 GH12945 79B3-79B3 dup:1/5 ID:40C6 CG6306 + unknown * CG6306 GH12946 17B1-17B1 ID:40C7 + transporter * VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPASE D SUBUNIT) (V-ATPASE KD ACCESSORY PROTEIN)(aa) * 1e-58 VATD_YEAST VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPAS CG8186 GH12958 52A10-52A10 ID:40C8 + peptidase * Chain A, Bovine Lens Leucine Aminopeptidase Complexed With L-Leucine Phosphonic Acid(aa) * 6e-20 YOJ6_CAEEL PUTATIVE AMINOPEPTIDASE ZK353.6 IN CHROM [LAMNOPPTDASE // Peptidase_M17] CG6372 GH13022 G8C1-68C1 dup:2/2 ID:40C9 + E2f2 transcription_factor * E2f2 * 1e-174 E2F-like transcription factor (E2F2) * 7e-14 predicted using Genefinder; cDNA EST comes from this * 3e-18 E2F5_MOUSE TRANSCRIPTION FAC CG1071 GH13089 39B3-39B3 ID:40D1 + unknown * cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST yk410c1.3 comes from this gene; cDNA EST yk410c1.5 comes from this gene; cDNA EST comes from this gene; cDNA EST yk410c1.5 comes from this gene; cDNA EST comes from this gene; cDNA EST yk410c1.5 comes from this gene; cDNA EST comes from this gene; cDNA EST yk410c1.5 comes from this gene; cDNA EST comes from this gene; cDNA EST yk410c1.5 comes from this gene; cDNA EST comes from this gene; cDNA EST yk410c1.5 comes from this gene; cDNA EST comes from this gene; cDNA EST yk410c1.5 comes from this gene; cDNA EST comes from this gene; cDNA ES		
+ metabolism * DELTA 1-PYRROLINE-5-CARBOXYLATE SYNTHETASE (P5CS) GLUTAMATE 5-KINASE (GAMMA-GLUTAMYL KINASE) (GK); GAMMA-GLUTAMYL PHOSPHATE REDUCTASE (GPR) (GLUTAMA [GLU5KINASE // PROA // aldedh // GLUTAMA] CG7470 GH12945 79B3-79B3 dup:1/5 ID:40C6 CG6306 + unknown * CG6306 GH12946 17B1-17B1 ID:40C7 + transporter * VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPASE D SUBUNIT) (V-ATPASE KD ACCESSORY PROTEIN)(aa) * 1e-58 VATD_YEAST VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPAS CG8186 GH12958 52A10-52A10 ID:40C8 + peptidase * Chain A, Bovine Lens Leucine Aminopeptidase Complexed With L-Leucine Phosphonic Acid(aa) * 6e-20 YOJ6_CAEEL PUTATIVE AMINOPEPTIDASE ZK353.6 IN CHROM [LAMNOPPTDASE // Peptidase_M17] CG6372 GH13022 CG6372 68C1-68C1 dup:2/2 ID:40C9 + E2f2 transcription_factor * E2f2 * 1e-174 E2F-like transcription factor (E2F2) * 7e-14 predicted using Genefinder; cDNA EST comes from this * 3e-18 E2F5_MOUSE TRANSCRIPTION FAC CG1071 GH13089 39B3-39B3 ID:40D1 + unknown * cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST yk410c1.3 comes from this gene; cDNA EST yk410c1.5 comes from this gene; cDNA [ATP_GTP_A] CG12113 GH13214 7F1-7F3 ID:40D10 CG6575 + Gliolectin unknown * Gliolectin * gliolectin(aa) * 1e-99 Gliolectin * CG6575 GH13232 93F-93F ID:40D12 + ligand_binding_or_carrier * mannose receptor, C type 1(aa) * 1e-05 similar to Lectin C-type domain short and long forms (2 domains) * 9e-06 lectin lambda * 6e-0[lectin_c // C_TYPE_LECTIN_1 // C_TYPE_L] CG8343 GH13116 42A10-42A10 dup:2/2	CG2040	
GLUTAMYL KINASE) (GK); GAMMA-GLUTAMYL PHOSPHATE REDUCTASE (GPR) (GLUTAMA [GLU5KINASE // PROA // aldedh // GLUTAMA] CG7470 GH12945 79B3-79B3 dup:1/5 ID:40C6 CG6306	CG2049	
CG7470 // GLUTAMA] CG7470 GH12945 79B3-79B3 dup:1/5 ID:40C6 CG6306 + unknown * CG6306 GH12946 17B1-17B1 ID:40C7 + transporter * VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPASE D SUBUNIT) (V-ATPASE KD ACCESSORY PROTEIN)(aa) * 1e-58 VATD_YEAST VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPAS CG8186 GH12958 52A10-52A10 ID:40C8 + peptidase * Chain A, Bovine Lens Leucine Aminopeptidase Complexed With L-Leucine Phosphonic Acid(aa) * 6e-20 YOJ6_CAEEL PUTATIVE AMINOPEPTIDASE ZK353.6 IN CHROM [LAMNOPPTDASE // Peptidase_M17] CG6372 GH13022 CG6372 68C1-68C1 dup:2/2 ID:40C9 + E2f2 transcription_factor * E2f2 * 1e-174 E2F-like transcription factor (E2F2) * 7e-14 predicted using Genefinder; cDNA EST comes from this * 3e-18 E2F5_MOUSE TRANSCRIPTION FAC CG1071 GH13089 39B3-39B3 ID:40D1 + unknown * cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST yk410c1.3 comes from this gene; cDNA EST comes from this gene; cDNA EST yk410c1.5 comes from this gene; cDNA [ATP_GTP_A] CG12113 GH13214 7F1-7F3 ID:40D10 CG6575 + Gliolectin unknown * Gliolectin * gliolectin(aa) * 1e-99 Gliolectin * CG6575 GH13232 93F-93F ID:40D12 + ligand_binding_or_carrier * mannose receptor, C type 1(aa) * 1e-05 similar to Lectin C-type domain short and long forms (2 domains) * 9e-06 lectin lambda * 6e-0[lectin_c // C_TYPE_LECTIN_1 // C_TYPE_L] CG8343 GH13116 42A10-42A10 dup:2/2		
+ unknown * CG6306 GH12946 17B1-17B1 ID:40C7 + transporter * VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPASE D SUBUNIT) (V-ATPASE KD ACCESSORY PROTEIN)(aa) * 1e-58 VATD_YEAST VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPAS CG8186 GH12958 52A10-52A10 ID:40C8 + peptidase * Chain A, Bovine Lens Leucine Aminopeptidase Complexed With L-Leucine Phosphonic Acid(aa) * 6e-20 YOJ6_CAEEL PUTATIVE AMINOPEPTIDASE ZK353.6 IN CHROM [LAMNOPPTDASE // Peptidase_M17] CG6372 GH13022 CG6372 68C1-68C1 dup:2/2 ID:40C9 + E2f2 transcription_factor * E2f2 * 1e-174 E2F-like transcription factor (E2F2) * 7e-14 predicted using Genefinder; cDNA EST comes from this * 3e-18 E2F5_MOUSE TRANSCRIPTION FAC CG1071 GH13089 39B3-39B3 ID:40D1 + unknown * cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST yk410c1.3 comes from this gene; cDNA EST yk410c1.5 comes from this gene; cDNA [ATP_GTP_A] CG12113 GH13214 7F1-7F3 ID:40D10 CG6575 + Gliolectin unknown * Gliolectin * gliolectin(aa) * 1e-99 Gliolectin * CG6575 GH13232 93F-93F ID:40D12 + ligand_binding_or_carrier * mannose receptor, C type 1(aa) * 1e-05 similar to Lectin C-type domain short and long forms (2 domains) * 9e-06 lectin lambda * 6e-0[lectin_c // C_TYPE_LECTIN_1 // C_TYPE_L] CG8343 GH13116 42A10-42A10 dup:2/2	CG7470	
+ transporter * VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPASE D SUBUNIT) (V-ATPASE KD ACCESSORY PROTEIN)(aa) * 1e-58 VATD_YEAST VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPAS CG8186 GH12958 52A10-52A10 ID:40C8 + peptidase * Chain A, Bovine Lens Leucine Aminopeptidase Complexed With L-Leucine Phosphonic Acid(aa) * 6e-20 YOJ6_CAEEL PUTATIVE AMINOPEPTIDASE ZK353.6 IN CHROM [LAMNOPPTDASE // Peptidase_M17] CG6372 GH13022 CG6372 68C1-68C1 dup:2/2 ID:40C9 + E2f2 transcription_factor * E2f2 * 1e-174 E2F-like transcription factor (E2F2) * 7e-14 predicted using Genefinder; cDNA EST comes from this * 3e-18 E2F5_MOUSE TRANSCRIPTION FAC CG1071 GH13089 39B3-39B3 ID:40D1 + unknown * cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST yk410c1.3 comes from this gene; cDNA EST yk410c1.5 comes from this gene; cDNA [ATP_GTP_A] CG12113 GH13214 7F1-7F3 ID:40D10 CG6575 + Gliolectin unknown * Gliolectin * gliolectin(aa) * 1e-99 Gliolectin * CG6575 GH13232 93F-93F ID:40D12 + ligand_binding_or_carrier * mannose receptor, C type 1(aa) * 1e-05 similar to Lectin C-type domain short and long forms (2 domains) * 9e-06 lectin lambda * 6e-0[lectin_c // C_TYPE_LECTIN_1 // C_TYPE_L] CG8343 GH13116 42A10-42A10 dup:2/2	CG6306	·
PROTEIN)(aa) * 1e-58 VATD_YEAST VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPAS CG8186 GH12958 52A10-52A10 ID:40C8 + peptidase * Chain A, Bovine Lens Leucine Aminopeptidase Complexed With L-Leucine Phosphonic Acid(aa) * 6e-20 YOJ6_CAEEL PUTATIVE AMINOPEPTIDASE ZK353.6 IN CHROM [LAMNOPPTDASE // Peptidase_M17] CG6372 GH13022 CG6372 68C1-68C1 dup:2/2 ID:40C9 + E2f2 transcription_factor * E2f2 * 1e-174 E2F-like transcription factor (E2F2) * 7e-14 predicted using Genefinder; cDNA EST comes from this * 3e-18 E2F5_MOUSE TRANSCRIPTION FAC CG1071 GH13089 39B3-39B3 ID:40D1 + unknown * cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST yk410c1.3 comes from this gene; cDNA EST yk410c1.5 comes from this gene; cDNA [ATP_GTP_A] CG12113 GH13214 7F1-7F3 ID:40D10 CG6575 + Gliolectin unknown * Gliolectin * gliolectin(aa) * 1e-99 Gliolectin * CG6575 GH13232 93F-93F ID:40D12 + ligand_binding_or_carrier * mannose receptor, C type 1(aa) * 1e-05 similar to Lectin C-type domain short and long forms (2 domains) * 9e-06 lectin lambda * 6e-0[lectin_c // C_TYPE_LECTIN_1 // C_TYPE_L] CG8343 GH13116 42A10-42A10 dup:2/2		
+ peptidase * Chain A, Bovine Lens Leucine Aminopeptidase Complexed With L-Leucine Phosphonic Acid(aa) * 6e-20 YOJ6_CAEEL PUTATIVE AMINOPEPTIDASE ZK353.6 IN CHROM [LAMNOPPTDASE // Peptidase_M17] CG6372 GH13022 68C1-68C1 dup:2/2 ID:40C9 + E2f2 transcription_factor * E2f2 * 1e-174 E2F-like transcription factor (E2F2) * 7e-14 predicted using Genefinder; cDNA EST comes from this * 3e-18 E2F5_MOUSE TRANSCRIPTION FAC CG1071 GH13089 39B3-39B3 ID:40D1 + unknown * cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST yk410c1.5 comes from this gene; cDNA [ATP_GTP_A] CG12113 GH13214 7F1-7F3 ID:40D10 + Gliolectin unknown * Gliolectin * gliolectin(aa) * 1e-99 Gliolectin * CG6575 GH13232 93F-93F ID:40D12 + ligand_binding_or_carrier * mannose receptor, C type 1(aa) * 1e-05 similar to Lectin C-type domain short and long forms (2 domains) * 9e-06 lectin lambda * 6e-0[lectin_c // C_TYPE_LECTIN_1 // C_TYPE_L] CG8343 GH13116 42A10-42A10 dup:2/2		PROTEIN)(aa) * 1e-58 VATD_YEAST VACUOLAR ATP SYNTHASE SUBUNIT D (V-ATPAS CG8186 GH12958 52A10-52A10
CG6372 CG6373 CG6373 CG6373 CG6373 CG6373 CG6372 CG6372 CG6373 CG8186		
CG6372 68C1-68C1 dup:2/2 ID:40C9 + E2f2 transcription_factor * E2f2 * 1e-174 E2F-like transcription factor (E2F2) * 7e-14 predicted using Genefinder; cDNA EST comes from this * 3e-18 E2F5_MOUSE TRANSCRIPTION FAC CG1071 GH13089 39B3-39B3 ID:40D1 + unknown * cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST yk410c1.3 comes from this gene; cDNA EST yk410c1.5 comes from this gene; cDNA [ATP_GTP_A] CG12113 GH13214 7F1-7F3 ID:40D10 + Gliolectin unknown * Gliolectin * gliolectin(aa) * 1e-99 Gliolectin * CG6575 GH13232 93F-93F ID:40D12 + ligand_binding_or_carrier * mannose receptor, C type 1(aa) * 1e-05 similar to Lectin C-type domain short and long forms (2 domains) * 9e-06 lectin lambda * 6e-0[lectin_c // C_TYPE_LECTIN_1 // C_TYPE_L] CG8343 GH13116 42A10-42A10 dup:2/2		
+ E2f2 transcription_factor * E2f2 * 1e-174 E2F-like transcription factor (E2F2) * 7e-14 predicted using Genefinder; cDNA EST comes from this * 3e-18 E2F5_MOUSE TRANSCRIPTION FAC CG1071 GH13089 39B3-39B3 ID:40D1 + unknown * cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST yk410c1.3 comes from this gene; cDNA EST yk410c1.5 comes from this gene; cDNA [ATP_GTP_A] CG12113 GH13214 7F1-7F3 ID:40D10 + Gliolectin unknown * Gliolectin * gliolectin(aa) * 1e-99 Gliolectin * CG6575 GH13232 93F-93F ID:40D12 + ligand_binding_or_carrier * mannose receptor, C type 1(aa) * 1e-05 similar to Lectin C-type domain short and long forms (2 domains) * 9e-06 lectin lambda * 6e-0[lectin_c // C_TYPE_LECTIN_1 // C_TYPE_L] CG8343 GH13116 42A10-42A10 dup:2/2	000000	
CG1071 comes from this * 3e-18 E2F5_MOUSE TRANSCRIPTION FAC CG1071 GH13089 39B3-39B3 ID:40D1 + unknown * cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST yk410c1.3 comes from this gene; cDNA EST yk410c1.5 comes from this gene; cDNA [ATP_GTP_A] CG12113 GH13214 7F1-7F3 ID:40D10 + Gliolectin unknown * Gliolectin * gliolectin(aa) * 1e-99 Gliolectin * CG6575 GH13232 93F-93F ID:40D12 + ligand_binding_or_carrier * mannose receptor, C type 1(aa) * 1e-05 similar to Lectin C-type domain short and long forms (2 domains) * 9e-06 lectin lambda * 6e-0[lectin_c // C_TYPE_LECTIN_1 // C_TYPE_L] CG8343 GH13116 42A10-42A10 dup:2/2	CG6372	
+ unknown * cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST yk410c1.3 comes from this gene; cDNA EST yk410c1.5 comes from this gene; cDNA [ATP_GTP_A] CG12113 GH13214 7F1-7F3 ID:40D10 CG6575 + Gliolectin unknown * Gliolectin * gliolectin(aa) * 1e-99 Gliolectin * CG6575 GH13232 93F-93F ID:40D12 + ligand_binding_or_carrier * mannose receptor, C type 1(aa) * 1e-05 similar to Lectin C-type domain short and long forms (2 domains) * 9e-06 lectin lambda * 6e-0[lectin_c // C_TYPE_LECTIN_1 // C_TYPE_L] CG8343 GH13116 42A10-42A10 dup:2/2	CC1071	
CG12113 cDNA EST yk410c1.5 comes from this gene; cDNA [ATP_GTP_A] CG12113 GH13214 7F1-7F3 ID:40D10 + Gliolectin unknown * Gliolectin * gliolectin(aa) * 1e-99 Gliolectin * CG6575 GH13232 93F-93F ID:40D12 + ligand_binding_or_carrier * mannose receptor, C type 1(aa) * 1e-05 similar to Lectin C-type domain short and long forms (2 domains) * 9e-06 lectin lambda * 6e-0[lectin_c // C_TYPE_LECTIN_1 // C_TYPE_L] CG8343 GH13116 42A10-42A10 dup:2/2	CG1071	
+ Gliolectin unknown * Gliolectin * gliolectin(aa) * 1e-99 Gliolectin * CG6575 GH13232 93F-93F ID:40D12 + ligand_binding_or_carrier * mannose receptor, C type 1(aa) * 1e-05 similar to Lectin C-type domain short and long forms (2 domains) * 9e-06 lectin lambda * 6e-0[lectin_c // C_TYPE_LECTIN_1 // C_TYPE_L] CG8343 GH13116 42A10-42A10 dup:2/2	CG12113	
+ ligand_binding_or_carrier * mannose receptor, C type 1(aa) * 1e-05 similar to Lectin C-type domain short and long forms (2 domains) * 9e-06 lectin lambda * 6e-0[lectin_c // C_TYPE_LECTIN_1 // C_TYPE_L] CG8343 GH13116 42A10-42A10 dup:2/2		\cdot
domains) * 9e-06 lectin lambda * 6e-0[lectin_c // C_TYPE_LECTIN_1 // C_TYPE_L] CG8343 GH13116 42A10-42A10 dup:2/2	20070	
	CG8343	

	+ 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
CG10881	+ translation_factor * translation initiation factor eIF3 subunit; Tif35p(aa) * 7e-28 IF35_YEAST EUKARYOTIC TRANSLATION 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 + transcription_factor * HYPOTHETICAL 43.4 KD PROTEIN C6F12.11C IN CHROMOSOME I(aa) * transcription factor IIIC63(aa) * 1e-05 TFC1_YEAST TRANSCRIPTION FACTOR TAU KD SUBUNIT CG10563 GH13253 37C1-37C1 dup:2/2
CG10563	ID:40È1
CG2199	 transcription_factor * zf30C * DMSPALTR_3 salr * 5e-05 YEW0_YEAST PUTATIVE 50.3 KD ZINC FINGER PROTEIN IN PAK1-RPS26B INTERGENIC REGIO * 9e-06 spalt-related [zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG2199 GH13336 61F7-61F7 dup:2/2 ID:40E10
CG2199	+ ribosomal_protein * ribosomal protein L10a(aa) * 60S RIBOSOMAL PROTEIN L10A (CSA-19)(aa) * 60S RIBOSOMAL PROTEIN L10A(aa) * 2e-06 predicted using Genefinder; Weak simil [Ribosomal_L1] CG7283 GH13356 68D3-68D3 dup:3/3
CG7283	ID:40E11
	+ 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
	THIOLASE) * 1e-140 YKA3_CAEEL HYPOTHETICAL 47.9 KD PROTEIN [thiolase] CG4581 GH13256 60A6-60A6 dup:2/2
CG4581	ID:40E2
	+ Mipp2 protein_phosphatase * Mipp2 * multiple inositol polyphosphate phosphatase 2; MIPP2 * 1e-27 multiple inositol
004047	polyphosphate phosphatase * 1e-25 multiple inositol polyphosp [CYTOCHROME_B_QO] CG4317 GH13296 5D2-5D2 dup:4/4
CG4317	ID:40E4 + Pglym78 enzyme * phosphoglyceromutase - fruit fly (Drosophila melanogaster)(aa) * DMPGLY_4 Pglym78 * 7e-48 pdb 4PGM A
CG1721	Chain A, Saccharomyces Cerevisiae Phosphoglycer [PGAM // PG MUTASE] CG1721 GH13304 99A1-99A1 dup:2/2 ID:40E5
	+ enzyme * phosphoglucomutase(aa) * 1e-152 PGM2_YEAST PHOSPHOGLUCOMUTASE (GLUCOSE PHOSPHOMUTASE 2) (PGM 2) * coded for by C. elegans cDNA cm17h1; coded for by [PGM_PMM // PGMPMM // ATP_GTP_A] CG5165 GH13311
CG5165	72D7-72D7 dup:2/2 ID:40E6
	+ 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 76B6-76B6
CG9451	dup:2/2 ID:40E7
CG9489	+ actin_binding * 2e-12 putative actin-binding protein UNC-115 * 2e-11 protein * 2e-05 talin homologue * 5e-05 qua CG9489 GH13330 85E5-85E5 dup:3/3 ID:40E9
000000	+ transporter * 5e-75 Na(+)-dependent inorganic phosphate cotransporter mela * 7e-67 YLD2_CAEEL HYPOTHETICAL 52.7
CG3036 CG10513	KD PROTEIN C38C10.2 IN CHROMOSOME III * 4e-46 NPT1 [NLS_BP] CG3036 GH13494 26D1-26D1 dup:3/4 ID:40F10 + unknown * /match=(desc:; /match=(desc:(aa) * 1e-36 /match=(desc:; /ma * * CG10513 GH13495 96C7-96C7 ID:40F11
0010013	+ unknown /maion=(ueso., /maion=(ueso.)aa) 1e-30 /maion=(ueso., /ma

CG12750	+ RNA_binding * LET 858(aa) * conserved hypothetical protein(aa) * BLASTX 7.4E-44 Caenorhabditis elegans Nucampholin (let-858) mRNA, complete cds.(dna) * BLASTX 3 [NLS_BP] CG12750 GH13383 36F7-36F7 dup:3/3 ID:40F2
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
003009	+ Fpps enzyme * 8e-80 FPPS_YEAST FARNESYL PYROPHOSPHATE SYNTHETASE (FPP SYNTHETASE) (FPS) (FARNESYL
	DI * farnesyl pyrophosphate synthase melanogas * 2e-37 predicted [polyprenyl_synt // POLYPRENYL_SYNTHET_1] CG12389
CG12389	GH13450 47E5-47E6 dup:2/2 ID:40F5
0012000	+ OstStt3 enzyme * STT3 YEAST OLIGOSACCHARYL TRANSFERASE STT3 SUBUNIT STT3 * STT3 CAEEL
	OLIGOSACCHARYL TRANSFERASE STT3 SUBUNIT HOMOLOG * STT3 MOUSE OLIGOSACCHARYL
CG7748	[ATPASE ALPHA BETA] CG7748 GH13452 98F6-98F6 ID:40F6
CG7021	+ Ela unknown * [COLLAGEN REP] CG7021 GH13458 96B4-96B4 ID:40F7
00.02.	+ 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 [PHOSPHOPANTETHEINE] CG4078 GH13485 5B3-5B3 ID:40F8
	+ Pgd enzyme * 6-phosphogluconate dehydrogenase(aa) * DMPGD_1 Pgd * 1e-177 6PG1_YEAST 6-PHOSPHOGLUCONATE
	DEHYDROGENASE, DECARBOXYLATING * 6PGD_DROME 6-PHOSPHOGLU [6PGD // 6PGDHDRGNASE] CG3724 GH13486
CG3724	2D6-2D6 ID:40F9
	+ chaperone * t-complex polypeptide 20(aa) * 1e-142 TCPZ_YEAST T-COMPLEX PROTEIN 1, ZETA SUBUNIT (TCP-1-
	ZETA) (CCT-ZETA) * 7e-46 CCT-gamma protein * 1e-178 TCPZ_ [TCP1_1 // TCP1_2 // TCP1_3 // TCOMPLEXT] CG8231
CG8231	GH13725 13E17-13E17 ID:40G12
	+ Pgi enzyme * glucosephosphate isomerase(aa) * DMPGIAAAA_11 * glucose-6-phosphate isomerase(aa) * G6PI_YEAST
	GLUCOSE-6-PHOSPHATE ISOMERASE (GPI) (PHOSPHOGLUCOSE [PGI // P_GLUCOSE_ISOMERASE_1 // P_GLUCO]
CG8251	CG8251 GH13575 44F9-44F9 ID:40G4
	+ RNA_binding * 3e-16 RNA-binding protein cabeza - fruit fly (Drosophila melanogaster) (* 4e-14 EWS_MOUSE RNA-
0044740	BINDING PROTEIN EWS RNA-binding protein E * 2e-15 TLS [RBD // zf-RanBP // rrm // ZF_RANBP] CG14718 GH13594 86F1-
CG14718	86F1 ID:40G5
000000	+ ligand_binding_or_carrier * 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
CG3041	+ 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
JU0002	+ bun transcription_factor * shortsighted class 2(aa) * DMSHSA_5 bun * shortsighted class * 2e-07 protein [TSC22] CG5461
CG5461	GH13775 33E-33E6 ID:40H5
300-01	51115176 55E 55E5 15.16116

CG2046

+ unknown * CG2046 GH13924 83C-83C ID:41A10

CG10590	+ unknown * 3e-66 EMP70 protein precursor - yeast (Saccharomyces cerevisiae) * 2e-88 Similarity to Yeast endosomal P24A protein (SW:EM70 YEAST); cDNA E * 4e-93 [CRYSTALLIN BETAGAMMA] CG10590 GH13842 64E3-64E3 ID:41A2
0010330	+ 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
005700	+ protein_kinase * serine/threonine protein kinase; Cdc7p(aa) * protein kinase Cdc7(aa) * DMSTPK Pk61C * HsCdc7(aa)
CG5790	[PROTEIN_KINASE_ST // PROTEIN_KINASE_DOM] CG5790 GH13884 36F-36F ID:41A7
	+ enzyme * C. elegans glyceraldehyde 3-phosphate dehydrogenase * GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE II (GAPDH II)(aa) * GLYCERALDEHYDE 3-PHOSPHATE DEHYDR [G3PDHDRGNASE // gpdh // GAPDH]
CG9010	CG9010 GH13901 53E6-53E6 ID:41A8
CG7251	+ unknown * [NLS_BP] CG7251 GH13914 27D1-27D1 ID:41A9
007201	+ alpha-Est7 enzyme * alpha esterase(aa) * alpha esterase(aa) * alpha esterase(aa) *
CG1112	[CARBOXYLESTERASE_B_1 // ESTERASE // COe] CG1112 GH13950 84D5-84D5 dup:3/3 ID:41B1
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
CG7131	+ unknown * CG7131 GH14048 90F7-90F7 ID:41B9
CG9775	+ unknown * [NLS_BP] CG9775 GH14260 82D2-82D2 dup:1/2 ID:41C10
CG2176	+ unknown * CG2176 GH14263 99E2-99E2 ID:41C11
000000	+ structural_protein * E25 protein(aa) * integral membrane protein 2(aa) * 2e-07 putative integral membrane pro * 1e-08
CG3662	dJ696H22.1 (mouse E25 like protein) [NLS_BP] CG3662 GH14111 21D2-21D2 ID:41C3 + v enzyme * DMVERM 2 v * VERM DROME TRYPTOPHAN 2,3-DIOXYGENASE (TRYPTOPHAN PYRROLASE)
	+ 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
002.00	+ Pdh enzyme * Pdh * 1e-08 FOX2 YEAST PEROXISOMAL HYDRATASE-DEHYDROGENASE-EPIMERASE (HDE)
	(MULTIFUNCTIONAL * 1e-146 pigment cell dehydrogenase reductase * 2e-10 pr [GDHRDH // UBA_NAD // adh_short // ADH_S]
CG4899	CG4899 GH14170 72F1-72F1 ID:41C6
none	+ none GH14214 ID:41C7
	+ MvI unknown * MALVOLIO PROTEIN(aa) * MvI * 7e-42 SMF1_YEAST TRANSPORTER PROTEIN SMF1/ESP1 vacuolar trans
000074	* 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	+ unknown * BLASTX 9.9E-08 Human mRNA for hU1-70K snRNP protein (RNP8).(dna) * * [NLS_BP] CG12239 GH14380 5B8-5B8 ID:41D11
CG12239 CG9131	+ unknown * Ylr193cp(aa) * bromodeoxyuridine-sensitive transcript protein - chicken(aa) * hypothetical protein(aa) * CGI-107
000101	. anatown in roceptaa, bromodeoxyanane scholave transcript protein - uniokentaa, hypothetical proteintaa) CGI-107

	protein(aa) CG9131 GH14384 26B2-26B3 ID:41D12
	+ endopeptidase * VESICULAR-FUSION PROTEIN NSF1 (N-ETHYLMALEIMIDE-SENSITIVE FUSION PROTEIN 1) (NEM-
	SENSITIVE FUSION PROTEIN 1) (COMATOSE PROTEIN)(aa) * 8e-67 CC48_YEA [AAA // ATP_GTP_A] CG11919 GH14288
CG11919	47C6-47C6 dup:2/2 ID:41D2
	+ 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
000040	+ 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
CG7567	+ unknown * CG7567 GH14364 99B5-99B5 ID:41D8
	+ 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
005500	+ defense/immunity_protein * UNKNOWN(aa) * 3e-07 peptidoglycan recognition protein precursor * TNF superfamily, member
CG5523	(LTB)-like (peptidoglycan recognition * hypothetical prote CG5523 GH14535 66A5-66A5 dup:2/2 ID:41E10
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
0010004	+ signal_transduction * 2e-17 activin beta precursor * 3e-14 CET-1 * 2e-22 IHBA_MOUSE INHIBIN BETA A CHAIN
	PRECURSOR (ACTIVIN BETA-A CHAIN) * 5e-23 inhibin, beta A[TGF-beta // TGF_BETA // TGF_BETA_2 // Z] CG16987 GH14433
CG16987	23B2-23B2 dup:2/2 ID:41E2
CG18525	+ unknown * CG18525 GH14439 88E7-88E7 dup:2/2 ID:41E4
CG1552	+ unknown * CG1552 GH14443 10A-10A dup:2/2 ID:41E5
	+ electron_transfer * 3e-39 ETFB_YEAST PROBABLE ELECTRON TRANSFER FLAVOPROTEIN BETA-SUBUNIT (BETA-
CG7834	ETF) * 7e-61 contains similarity to electron transfer flavoprotein beta [ETF_beta] CG7834 GH14462 99C4-99C4 dup:2/2 ID:41E7
CC 4926	+ unknown * HNK-1 sulfotransferase(aa) * 1e-20 HNK-1 sulfotransferase HN * * [NLS_BP] CG4826 GH14503 36A11-36A11
CG4826	dup:3/3 ID:41E9 + electron transfer * 9e-06 PDI YEAST PROTEIN DISULFIDE ISOMERASE PRECURSOR (PDI) / DOLICHYL-
	DIPHOSPHOOLIGOS * 2e-08 PDI_DROME PROTEIN DISULFIDE ISOMERASE PRECURSOR (PDI) [THIOREDOXIN //
CG3315	THIOREDOXIN_2 // thiored] CG3315 GH14562 4F2-4F2 ID:41F1
	+ enzyme * DMGST_3 GstD1 * 2e-10 probable membrane protein YLL060c - yeast (Saccharomyces cerevisiae) * 3e-37
CG5164	GTT1_DROME GLUTATHIONE S-TRANSFERASE 1-1 (CLASS-T [GST] CG5164 GH14654 55C9-55C9 ID:41F10
CG10675	+ motor_protein * 2e-17 /match=(desc:; /ma * * CG10675 GH14673 96C9-96C9 ID:41F11
	+ structural_protein * 3e-05 MAGE tumor antigen D1 * 5e-13 FMRA_ANTEL ANTHO-RFAMIDE NEUROPEPTIDE
CC1120E	PRECURSOR Antho-RFa * LWamide neuropeptide precursor protein * 33K hydroxy CG11395 GH14572 54A2-54A2 dup:2/2
CG11395 CG1670	ID:41F2
CG1670 CG5258	 + 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
UG0200	+ 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 GH14757 70F6-70F6 ID:41G10
CG9306	+ enzyme * NADH-ubiquinone oxidoreductase B22 subunit homolog(aa) * 6e-22 similar to NADH-ubiquinone oxidoreductase B22 (B. taurus, SP:NI2M * 1e-26 NI2M_BOVIN CG9306 GH14794 34B6-34B6 ID:41G11
	+ EG:86E4.2 enzyme * 6e-67 YH04_YEAST HYPOTHETICAL 91.2 KD PROTEIN IN RPS7A-SCH9 INTERGENIC REGION * /match=(desc:; /ma * 1e-157 similar to mannosyl-oligosaccharide alph [GLYHDRLASE47] CG3810 GH14693 2B15-2B16 dup:1/2
CG3810	ID:41G2
CG10859	+ motor_protein * Cdic * cytoplasmic dynein intermediate chain isoform DIC2c(aa) * DYNEIN INTERMEDIATE CHAIN 3, CILIARY(aa) * 3e-07 cytoplasmic dynein intermediate ch [NLS_BP] CG10859 GH14707 34B7-34B7 ID:41G3
CG4196	+ unknown * TRANSMEMBRANE PROTEIN PFT27(aa) * probable membrane protein; Ybr187wp(aa) * 5e-34 YB37_YEAST HYPOTHETICAL 30.3 KD PROTEIN IN MBA1-RPS13 INTERGENIC R [UPF0016] CG4196 GH14710 88E7-88E7 ID:41G4
CG12233	 + enzyme * 1e-103 IDH2_YEAST ISOCITRATE DEHYDROGENASE MITOCHONDRIAL SUBUNIT PRECURSOR (IS * 1e-139 IDHA_CAEEL PROBABLE ISOCITRATE DEHYDROGENASE (NAD), MITOCHON [IDH_IMDH // isodh] CG12233 GH14729 18D3-18D3 ID:41G6
CG12233	+ endopeptidase * DMSER2_7 Ser99Db * 1e-57 serine proteinase (EC 3.4.21) precursor - fruit fly (Drosophila melanogast * 1e-15 KAL_MOUSE PLASMA KALLIKREIN PRECURSOR [trypsin // CHYMOTRYPSIN // TRYPSIN_CATA] CG3088 GH14734
CG3088	67B9-67B9 ID:41G7
	+ eff enzyme * DMUBCD1_2 eff * Ubiquitin conjugating enzyme(aa) * similar to ubiquitin conjugating enzymes(aa) * ubiquitin
CG7425	conjugating enzyme(aa) [UBIQUITIN_CONJUGAT // UQ_con // UBIQUIT] CG7425 GH14739 88D2-88D2 ID:41G8
	+ HmgZ DNA_binding * 2e-07 cerevisiae mitochondrial protein gene, complete gene produc * 5e-42 HMGZ_DROME HIGH MOBILITY GROUP PROTEIN Z (HMG-Z) high mob * 2e-11 SSRP_CAE [HMG // HMG_box // NLS_BP] CG17921 GH14749 57F8-
CG17921	57F9 ID:41G9
CG12840	+ unknown * 3e-06 LBM_DROME LATE BLOOMER PROTEIN late bloomer me * 4e-08 lbm * * [transmembrane4 // TMFOUR // TM4 2] CG12840 GH14950 42E2-42E2 ID:41H10
	+ enzyme * Yjr105wp(aa) * Similarity to Human adenosine kinase 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
CC0008	+ 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
CG9282	+ * ribosomal protein L24(aa) * Ribosomal protein L24B (rp29) (YL21) (L30B); Rpl24bp(aa) * 60S RIBOSOMAL PROTEIN L24 (L30)(aa) * Similar to 60S ribosoma [Ribosomal L24e // NLS BP] CG9282 34B6-34B6 dup:1/5 ID:42A12

CG8136	+ unknown * CG8136 GH14973 85B2-85B2 dup:1/2 ID:42A2
0044000	+ 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
	+ EG:63B12.8 unknown * 1e-50 PEP8 YEAST VACUOLAR PROTEIN SORTING/TARGETING PROTEIN PEP8 * /match=(desc:;
	/ma * 1e-111 YLNO_CAEEL HYPOTHETICAL 37.4 KD PROTEIN T20D3.7 IN CH [NLS_BP] CG14804 GH15034 2B13-2B13
CG14804	ID:42A6
	+ enzyme * Adh-Finnegan(aa) * fat body protein 2(aa) * development-specific 25K protein - flesh fly (Sarcophaga
CC 49.40	peregrina)(aa) * 7e-09 YM71_YEAST HYPOTHETICAL [adh_short // ADH_SHORT // adh_short_C] CG4842 GH15220 72F1-72F1
CG4842 CG2149	ID:42B10 + unknown * [NLS BP] CG2149 GH15120 44B9-44B9 dup:1/2 ID:42B2
CG2149	+ unknown * 2e-81 YN28 YEAST HYPOTHETICAL 41.2 KD PROTEIN IN PLC1-SEC21 INTERGENIC REGION * 4e-94
CG14213	C26E6.3 gene product * 1e-124 protein involved in sexual devel CG14213 GH15157 18D10-18D10 ID:42B4
	+ cell_cycle_regulator * 6e-16 YG13_YEAST CULLIN B hypothetical protein YGR003w - yeas * 2e-71 LI19_DROME LIN-19
	HOMOLOG PROTEIN lin19 protein * 1e-173 CUL5_CAEEL CUL-5 P[CULLIN_2 // NLS_BP // ANTIFREEZEI // Cu] CG1401
CG1401	GH15159 98F10-98F10 ID:42B5
	+ enzyme * coded for by C. elegans cDNA yk16b2.3; coded for by C. elegans cDNA yk16b2.5; Similar to amidase.(aa) *
CG7910	PUTATIVE AMIDASE AMIA2(aa) * 3364, putative [CRYSTALLIN_BETAGAMMA // Amidase] CG7910 GH15201 84E10-84E10 ID:42B9
CG18522	+ unknown * CG18522 GH15266 88F-88F8 dup:1/2 ID:42C1
0010022	+ transcription_factor * HYPOTHETICAL 46.7 KD PROTEIN C50C3.8 IN CHROMOSOME III(aa) * hypothetical protein(aa) *
CG11275	intracisternal A particle-promoted polypeptide(aa) * 2e-08 [BTB] CG11275 GH15267 58C5-58C5 ID:42C2
CG2127	+ unknown * [EF_HAND // NLS_BP] CG2127 GH15271 44B9-44B9 ID:42C3
	+ scf ligand_binding_or_carrier * scf * 1e-110 supercoiling factor * 1e-72 coded for by C. elegans cDNA yk67a3.5; coded for by C.
CG9148	elegans cDNA yk90a3.5; co * 7e-90 calumenin [EF_HAND // EF_HAND_2] CG9148 GH15277 62B4-62B4 ID:42C4
	+ signal_transduction * predicted using Genefinder; similar to RNA recognition motif. (aka RRM, RBD, or RNP domain); cDNA
CG8243	EST comes from this gene; cDNA EST comes from thi [ArfGap // ZF_GCS // REVINTRACTNG] CG8243 GH15285 44F9-44F9 ID:42C5
CG0243	+ ligand_binding_or_carrier * DMC30B8 * ALPHA-TOCOPHEROL TRANSFER PROTEIN (ALPHA-TTP)(aa) * alpha
CG2663	tocopherol transfer protein(aa) * 62D9.a(aa) [CRETINALDHBP // CRAL_TRIO] CG2663 GH15295 83A6-83A6 ID:42C7
	+ 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
CG11993	+ Mst85C unknown * CG11993 LD21554 85C6-85C6 ID:43A6

	+ transcription_factor_binding * 6e-06 DIP2_YEAST DOM34 INTERACTING PROTEIN DIP2 protein - y * 2e-06 similar to beta transducin proteins containing TRP-ASP domains el * 6e-11 ap[WD40_REGION // WD_REPEATS // WD40] CG14722 LD21659
CG14722	86F6-86F6 ID:43A8
0011122	+ motor_protein * 1e-34 3-hydroxyisobutyrate dehydrogenase * 1e-10 inserted at base Both 5' and 3' ends of P element
CG4747	Inverse PCR * YKWC_BACSU HYPOTHETICAL 30.7 KD PR CG4747 LD22344 30F5-30F5 ID:43B10
CG3510	+ CycB cell_cycle_regulator G2/MITOTIC-SPECIFIC CYCLIN B CYCLINS, cyclin CG3510 dup:2/4 ID:43B3
007055	+ DNA_binding * SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1(aa) *
CG7055	BAF57(aa) * 1e-08 HMG1-related DNA-binding [HMG // HMG_box // PRO_RICH] CG7055 LD22182 8C17-8D1 ID:43B5
CG17252	+ BCL7-like CG17252 LD22180 dup:2/2 ID:43B6
CG8954	 unknown * [NLS_BP] CG8954 LD22235 34D6-34D6 dup:2/2 ID:43B8 BcDNA:LD21293 enzyme * unknown(aa) * 1e-27 unknown * [ATP_GTP_A2 // ATP_GTP_A] CG7139 LD22250 79C2-79C3
CG7139	ID:43B9
007100	+ not endopeptidase * PUTATIVE UBIQUITIN CARBOXYL-TERMINAL HYDROLASE C13A11.04C (UBIQUITIN
	THIOLESTERASE) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE) (DEUBIQUITINATING EN[UCH_2_1 // UCH_2_3 // UCH-1
CG4166	// NLS_BP /] CG4166 LD22730 75D1-75D1 dup:1/2 ID:43C10
00000	+ noi RNA_binding * noi * noisette(aa) * 1e-30 PR09_YEAST PRE-MRNA SPLICING FACTOR PRP9 PRP9 protein - ye *
CG2925	noisette [ZF_MATRIN] CG2925 LD22754 83B4-83B4 ID:43C11 + Mcm2 DNA_replication_factor * BLASTX 4.1E-84 Homo sapiens mRNA for DNA replication licensing factor (huMCM2),
	complete cds.(dna) * BLASTX 4.1E-84 Homo sapiens mRNA for DNA replic [MCM // MCM_1 // MCM_2] CG7538 LD22409 84F-84F
CG7538	dup:1/2 ID:43C3
00.000	+ enzyme * 1e-34 GLO2_YEAST HYDROXYACYLGLUTATHIONE HYDROLASE ISOZYME (GLYOXALASE II) (GLX II) * 8e-
CG4365	60 similar to Metallo-beta-lactamase superfamily el * 3e-85 [lactamase_B] CG4365 77E-77E dup:1/3 ID:43C6
CG7752	+ transcription_factor CG7752 ID:43C7
	+ signal_transduction * DM60AP * 1e-11 60A_DROME 60A PROTEIN PRECURSOR TGF-beta-related protein * 2e-09 protein
004004	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 + Mpcp transporter * 2e-71 YEO3_YEAST PUTATIVE MITOCHONDRIAL CARRIER YER053C hypoth * phosphate transporter
	precursor melanogas * 1e-132 MPCP_CAEEL MITOCHONDRIAL PHOSPHA [mito_carr // RCC1_2 // MITOCH_CARRIER] CG4994
CG4994	LD23031 70E-70E dup:3/4 ID:43D12
	+ unknown * myelodysplasia/myeloid leukemia factor 1(aa) * Y17G7B.17(aa) * 6e-27 myeloid leukemia factor
CG8295	myelodysplasia/myel * t(3;5)(q25.1;p34) fusion gene CG8295 LD22883 52D11-52D11 dup:2/2 ID:43D3
000=00	+ transcription_factor * 6e-09 predicted using Genefinder; cDNA EST comes from this g * 4e-05 hepatoma-derived growth
CG8569	factor * 2e-20 BS69 protein - human binds directly to a [PWWP // NLS_BP] CG8569 LD22977 49A10-49A10 dup:2/2 ID:43D7
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 homolog
CG12230	+ car transporter * 9e-22 SLP1 protein homolog - Caenorhabditis elegans SLP-1 protei * 1e-116 vacuolar protein sorting homolog r-vps33a * SLP1_CAEEL SLP-1 PROTEIN * C5 [Sec1 // CYTOCHROME_C] CG12230 LD23088 18D5-18D5 dup:3/3 ID:43E5
3012200	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

CG3004	+ signal_transduction G-protein beta-subunit 6 GPROTEINBRPT, RCC1_2, WD40, WD40_REGION,] CG3004 LD23129 dup:3/3 ID:43E6
000004	+ 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
	+ TfIIFbeta transcription_factor * TfIIF bgr; * TRANSCRIPTION INITIATION FACTOR IIF, BETA SUBUNIT (TFIIF-BETA)(aa) * 6e-
CG6538	05 T2FB_YEAST TRANSCRIPTION INITIATION FACTOR IIF, BETA SUBUNIT CG6538 LD23340 86C4-86C4 dup:1/2 ID:43F2
	+ Mat1 transcription_factor CDK7/cyclin H assembly factor NLS_BP, ZF_RING, ZINC_FINGER_C3HC4, zf-C] CG7614 LD23429
CG7614	ID:43F4
	+ Cyt-c2 electron_transfer * DMCYCDC4_4 Cyt-c2 * 9e-36 pdb 2YCC Cytochrome c (Isozyme 1) (Oxidized) (Mutant With Cys
	Replaced By Thr) (C102T * 1e-59 CYC2_DROME CYTOCHROME C-2 c [CYTCHRMECIAB // cytochrome_c] CG17903 LD23501
CG17903	36A7-36A7 ID:43F5
	+ Bub3 signal_transduction * WD-40 repeat protein(aa) * 7e-49 YET7_YEAST HYPOTHETICAL 40.5 KD TRP-ASP REPEATS
007504	CONTAINING PROTEIN IN NUP157-PDH * 7e-72 predicted using Genefinder [GPROTEINBRPT // WD40_REGION // WD_REPEA]
CG7581	CG7581 LD23540 99B-99B ID:43F6
	+ transcription_factor * zinc-finger protein - African clawed frog(aa) * 1e-15 YJF6_YEAST HYPOTHETICAL 98.9 KD ZINC FINGER PROTEIN IN BTN1-PEP8 INTERGENIC REG * 6[zf-C2H2 // ZINC FINGER C2H2 // ZINC FIN] CG6254 LD23879 85F13-
CG6254	85F13 dup:1/2 ID:43F9
CG0254	+ cell_cycle_regulator * lipoic acid synthase; Lip5p(aa) * LIPOIC ACID SYNTHETASE PRECURSOR(LIP-SYN)(aa) * similar to
CG5231	lipoic acid synthase; cDNA EST yk283b6.3 comes from th CG5231 LD24887 77C1-77C1 ID:43G10
000201	+ mus210 DNA repair protein * DNA-REPAIR PROTEIN COMPLEMENTING XP-C CELLS HOMOLOG (XERODERMA
	PIGMENTOSUM GROUP C COMPLEMENTING PROTEIN HOMOLOG) (XPCDM)(aa) * DMXPCCF_2 Xpcc * 4e- [MYB_1 //
CG8153	NLS_BP] CG8153 51F4-51F5 dup:1/3 ID:43G11
	+ 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
	+ dbe unknown * DMDRIBBLE dbe * dribble(aa) * 9e-98 YCF9_YEAST HYPOTHETICAL 37.2 KD PROTEIN IN CHA1-PRD1
CG4258	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
CC 4020	FKH2 protein - y * 4e-16 SLP1_DROME FORK HEAD DOMAIN TRANSCRIPTION F [Fork_head // FORKHEAD] CG4029 LD24749 86A2-86A3 ID:43G7
CG4029	
CG3167	+ unknown * CG3167 LD24895 60B1-60B1 ID:43G9
CG7600	+ NLS_BP, PLANT_GLOBIN CG7600 LD25031 dup:1/2 ID:43H1
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
004050	(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
00000	+ enzyme possible protein methyltransferase N12N6MTFRASE, N6_MTASE, SAM_BIND CG9666 LD25448 dup:1/3
CG9666	ID:43H12
	+ protein_phosphatase * DPP2C1(aa) * protein phosphatase 1B (formerly 2C), magnesium-dependent, beta isoform(aa) * 3e-
	44 P2C2_YEAST PROTEIN PHOSPHATASE 2C HOMOLOG (PP2C-2) [PP2C_1 // PP2C_/ PP2C_2] CG1906 LD25115 99B6-
CG1906	99B6 ID:43H5
CG9967	+ CG9967 LD25280 dup:1/2 ID:43H7
	+ ATPsyn-beta * DMATPSYNB ATPsyn- bgr; * 1e-173 H+-transporting ATP synthase (EC 3.6.1.34) beta chain precursor - yeast
	(Sacch * ATPB_DROME ATP SYNTHASE BETA CHAIN [ATP-synt_ab // ATP-synt_ab_C // ATPASE_] CG11154 102F6-102F6
CG11154	dup:3/4 ID:43H8
	+ * ORF; Method: conceptual translation supplied by author.(aa) * similar to RNA recognition motif. (aka RRM, RBD, or RNP
CG14641	domain); cDNA EST comes from [rrm] CG14641 82A-82A dup:2/4 ID:44A11
	 transcription_factor homology to uncharacterized human zinc finger proteins ZINC_FINGER_C2H2,
CG8301	ZINC_FINGER_C2H2_2, zf] CG8301 LD25464 dup:1/4 ID:44A2
	+ motor_protein * 1e-155 inserted at base 5' end of P element Inverse PCR * * [bZIP] CG3183 LD25484 42B3-42B3 dup:1/2
CG3183	ID:44A3
	 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
	+ unknown * 4e-21 YS48_CAEEL HYPOTHETICAL 66.5 KD PROTEIN ZK177.8 IN CHROMOSOME II (U * 2e-20
	MG11_MOUSE INTERFERON-GAMMA INDUCIBLE PROTEIN MG11 unkn * 4e-20 hy CG9670 LD25913 76A5-76A6 dup:3/3
CG9670	ID:44B11
	+ huckebein transcription_factor specific RNA polymerase II transcription factor ZINC_FINGER_C2H2, ZINC_FINGER_C2H2_2, zf]
CG9768	CG9768 LD25709 dup:2/3 ID:44B3
	+ unknown * Putative homolog of subunit of bovine prefoldin, a chaperone comprised of six subunits; Gim5p(aa) * c-myc
CG7048	binding protein MM-1(aa) * 4e-21 YMJ4_YEAS CG7048 LD25740 94B4-94B4 ID:44B4
	+ Similar sequences have been identified in Caenorhabditis elegans, Homo sapiens and Schizosaccharomyces pombe
CG5383	CG5383 LD25827 dup:2/2 ID:44B7
	+ endopeptidase serine proteinase [Anopheles gambiae] CHYMOTRYPSIN, TRYPSIN_CATAL, TRYPSIN_HIS] CG11836
CG11836	LD25830 dup:2/2 ID:44B8
	+ peroxidase MITOCHONDRIAL THIOREDOXIN-DEPENDENT PEROXIDE REDUCTASE AhpC-TSA CG5826 LD25877
CG5826	dup:2/3 ID:44B9
	+ RNA_binding * son3 protein - human (fragment)(aa) * SON DNA binding protein(aa) * Pad-1(aa) * similar to RNA binding
CG16788	proteins(aa) [RBD // rrm // NLS_BP] CG16788 LD26185 85D25-85D25 ID:44C10
CG11329	+ unknown * 1e-16 inserted at base 5' end of P element Inverse PCR * * CG11329 LD26217 26F6-26F6 ID:44C11

	+ chaperone * SEC63, endoplasmic reticulum translocon component (S. cerevisiae) like(aa) * 2e-24 NPL1_YEAST NPL1
CG8583	PROTEIN (SEC63 PROTEIN) heat shock prote * 6e-05 [DNAJ_1 // DnaJ // DNAJPROTEIN // DNAJ_2] CG8583 LD25939 65F4-65F4 ID:44C3
CG0303	+ PEK protein_kinase * 8e-30 protein kinase GCN2 (EC 2.7.1) - yeast (Saccharomyces cerevisiae) * 2e-24 eIF-2alpha kinase * 2e-55 similar to serine/threonine kinase (2 do [Bacterial_PQQ // PROTEIN_KINASE_ST // P] CG2087 LD25978 83A8-83A8
CG2087	ID:44C5
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
CG0372	+ BcDNA:LD26050 motor_protein * 1e-05 strong similarity to the SNF2/RAD54 family of helicases; partial CDS * 1e-104 inserted at
CG12340	base Both 5' and 3' ends of P element Inverse PCR * [fn3] CG12340 LD26128 47C-47C dup:2/4 ID:44C9
CG13322	+ unknown CG13322 LD26432 dup:2/3 ID:44D11
	+ motor_protein * PLECTIN(aa) * plectin 1, intermediate filament binding protein, 500kD(aa) * 4e-07 integrin homolog - yeast
CG11098	(Saccharomyces cerevisiae) * 9e-05 myo[GRAM_POS_ANCHORING // PRO_RICH // NLS_B] CG11098 LD26265 26F3-26F3 dup:4/9 ID:44D2
CG11096	+ 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
000050	+ 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 + cdc2 protein kinase * CDK5 kinase(aa) * DMCDC2 2 cdc2 * 1e-101 CC28 YEAST CELL DIVISION CONTROL PROTEIN
	protein kinase * 1e-174 CC2 DROME CELL DIVISION CONTROL PROT[PROTEIN KINASE ST // PROTEIN KINASE DOM]
CG5363	CG5363 LD26702 31D11-31D11 dup:3/3 ID:44E11
CG11504	+ CG11504 LD26477 dup:3/3 ID:44E2
CG2994	+ CG2994 LD26546 dup:4/4 ID:44E6
	+ 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 CG16928	ID:44E7 + CG16928 dup:3/3 ID:44E9
CG 16926	+ endopeptidase * Saccharolysin (oligopeptidase yscD); Prd1p(aa) * NEUROLYSIN PRECURSOR (NEUROTENSIN
	ENDOPEPTIDASE) (MITOCHONDRIAL OLIGOPEPTIDASE M) (MICROSOMAL ENDOP [Peptidase_M3] CG11771 LD26931
CG11771	98F1-98F1 dup:4/5 ID:44F10
CG4785	+ CG4785 LD26982 dup:2/2 ID:44F11
0047740	+ protein_phosphatase * 4e-56 P2C2_YEAST PROTEIN PHOSPHATASE 2C HOMOLOG (PP2C-2) hyp * 9e-20 unknown *
CG17746	1e-108 P2C2_CAEEL PROBABLE PROTEIN PHOSPHATASE 2C T23F11.1 (PP2C) * 4 [PP2C // PP2C_1 // PP2C_2] CG17746

64A3-64A3 dup:4/4 ID:44F12

	+ ligand_binding_or_carrier * 4e-05 fizzy-related protein * 1e-05 transducin (beta)-like transducin (beta) like pr * 1e-05
CG16892	hypothetical protein * 5e-07 DMRNAFRP fzr CG16892 LD26813 8D7-8D8 dup:2/2 ID:44F4
CG7725	+ unknown CG7725 LD26833 dup:2/2 ID:44F6
CG5222	+ unknown unknown protein CIT987SK_2A8_1 [Homo sapiens] CG5222 LD26912 dup:1/2 ID:44F9
	+ signal_transduction homology to actin interacting protein 1 and WD repeat-containing protein 1 GPROTEINBRPT, WD40,
CG10724	WD40_REGION CG10724 LD27045 dup:2/3 ID:44G2
CG4303	+ Bap60 Brahma associated protein 60kD NLS_BP, PRO_RICH CG4303 LD27052 dup:1/2 ID:44G4
0040070	+ Faf unknown * Fly Fas-associated factor (FFAF)(aa) * Faf * 1e-12 probable membrane protein YDL091c - yeast
CG10372	(Saccharomyces cerevisiae) * 7e-10 similar to mouse FAF [UX_DOMAIN] CG10372 LD27106 37A4-37A4 dup:1/2 ID:44G7 + transcription factor * 9e-06 Z33A HUMAN ZINC FINGER PROTEIN 33A (ZINC FINGER PROTEIN KOX31) (HA09 * 8e-05
	zinc finger protein XFDL * 3e-05 DMDROSOPH 4 wdn * zinc finger;[zf-C2H2 // ZINC FINGER C2H2 // ZINC FIN] CG11906
CG11906	LD27134 56C7-56C8 ID:44G9
0011000	+ Klp67A motor_protein kinesin family protein 3B ATP_GTP_A, KINESINHEAVY, KINESIN_MOTOR_D] CG10923 LD27326
CG10923	dup:2/2 ID:44H12
CG6564	+ unknown CG6564 LD27203 ID:44H2
	+ transcription_factor * 2e-10 CROL GAMMA * 5e-16 predicted using Genefinder; similar to Zinc finger, C2H2 type (5 d * 1e-11
CG3847	zinc finger protein - mouse zinc finger protein [zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG3847 LD27244 5E5-5E5 ID:44H4
	+ chaperone * DMNINAA_7 ninaA * DMCYP1_2 Cyp1 * 5e-23 CYPC_YEAST PEPTIDYL-PROLYL CIS-TRANS ISOMERASE
CG3511	C PRECURSOR (PPIASE) (ROTAMASE) (* 1e-20 CYPH_DROME PEPTIDYL [pro_isomerase // CSA_PPIASE_2 // WD40_R] CG3511 LD27277 60D5-60D5 dup:1/2 ID:44H8
003311	+ enb signal_transduction * map_position:56B5 * clot.396(dna)* 1e-124 Abl substrate ena (enabled) - fruit fly (Drosophila
	melanogaster) * 6e-39 neural variant mena+ protein [WH1 // PRO_RICH // RANBP1_WASP] CG15112 LD27343 56B5-56B5
CG15112	dup:3/5 ID:45A1
	+ transcription_factor similar to crol protein ZINC_FINGER_C2H2, ZINC_FINGER_C2H2_2, z] CG2678 LD27553 dup:1/2
CG2678	ID:45A10
CG18608	+ unknown * CG18608 LD27570 56A-56A dup:1/2 ID:45A11
	+ BcDNA:LD22910 endopeptidase * reserved(aa) * 1e-12 UBP9_YEAST UBIQUITIN CARBOXYL-TERMINAL HYDROLASE
0045047	(UBIQUITIN THIOLESTERASE 9) (* 1e-08 UBPX_CAEEL PROBABLE UBIQUITIN CARBOXYL[UCH_2_2 // UCH_2_3 //
CG15817	PRO_RICH // UCH-2] CG15817 99A5-99A5 dup:2/2 ID:45A6 + 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
0012100	+ Ac3 enzyme adenylyl cyclase isoform DAC3 [Drosophila melanogaster] GUANYLATE_CYCLASES,
CG1506	GUANYLATÉ_CYCLASÉS_] 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-
CG9446	76 CORO_YEAST CORONIN-LIKE PROTEIN hypothe [WD40_REGION // ARGINASE_2 // WD_REPEATS] CG9446 42C8-42C8

dup:3/3 ID:45B2

	dup:3/3 1D:45B2
CG8632	+ embryonic lung protein [Homo sapiens] CG8632 LD27783 dup:1/2 ID:45B7
	+ unknown * Ser/Arg-related nuclear matrix protein (plenty of prolines 101-like)(aa) * 7e-33 cDNA EST comes from this gene;
CG11274	cDNA EST co * 2e-43 plenty-of-prolin [RIBOSOMAL_S12] // NLS_BP] CG11274 LD28048 69F2-69F2 dup:1/2 ID:45C10
CG11970	+ BcDNA:LD23876 similar to nuclear factor related to kappa B binding protein CG11970 LD28082 dup:2/4 ID:45C12
0011010	+ RNA_binding * similar to RNA recognition motif. (aka RRM, RBD, or RNP domain) (2 domains); cDNA EST yk211a9.5 comes
CG4806	from this gene; cDNA EST yk266e11.5 comes from [RNP_1 // RBD // rrm // NLS_BP] CG4806 LD27920 60D10-60D10 ID:45C2
CG5126	+ unknown * CG5126 LD27921 21F1-21F1 dup:1/2 ID:45C3
000120	+ lio protein_kinase * LIO_DROME LINOTTE PROTEIN linotte protein mela * lio * * [NLS_BP] CG10739 LD27947 37C-37C
CG10739	dup:2/2 ID:45C4
CG9506	+ protein_phosphatase * CG9506 LD27991 28D1-28D1 dup:1/2 ID:45C6
CG7825	+ Rad17 DNA_repair_protein DNA repair protein ATP_GTP_A, ATP_GTP_A2, RFC CG7825 LD27993 ID:45C7
CG10018	+ DNA_repair_protein homology to mouse and human SNM1 protein NLS_BP CG10018 LD28027 dup:1/2 ID:45C8
CG4609	- ' - ' - ' - ' - ' - ' - ' - ' - ' - '
CG4609	+ fax failed axon connections protein CG4609 LD28084 dup:2/2 ID:45D1 + unknown * 1e-106 probable membrane protein YPL217c - yeast (Saccharomyces cerevisiae) * 2e-11 No definition line found
CG7728	+ unknown * 1e-106 probable membrane protein YPL217c - yeast (Saccharomyces cerevisiae) * 2e-11 No definition line found * 1E-152* 1e-100 conserved hypothetical [NLS_BP // ATP_GTP_A] CG7728 LD28182 73E3-73E4 dup:3/3 ID:45D11
CG7728 CG5003	
	• = •
CG6994	+ cytoskeletal_structural_protein CG6994 LD28101 dup:2/2 ID:45D5
	+ chaperone * 2e-09 HLJ1_YEAST HLJ1 PROTEIN HLJ1 protein - yeast (Saccharom * 2e-09 DNJ1_DROME DNAJ PROTEIN HOMOLOG (DROJ1) droj1 * 1e-26 YQ07_CAEEL HYPOTHETICAL [GRAM_POS_ANCHORING // DnaJ // DNAJPROTE]
CG14650	CG14650 LD28109 82C1-82C1 dup:3/3 ID:45D6
	·
CG9213	 + enzyme CG9213 LD28117 dup:2/2 ID:45D7 + unknown * 5e-24 hypothetical protein YDL087c - yeast (Saccharomyces cerevisiae) * 4e-34 YP68_CAEEL HYPOTHETICAL
CG7564	+ unknown * 5e-24 hypothetical protein YDL087c - yeast (Saccharomyces cerevisiae) * 4e-34 YP68_CAEEL HYPOTHETICAL 37.0 KD PROTEIN IN CHROMOSOME II (U2 * 2e-23 p [NLS_BP] CG7564 LD28402 74D1-74D1 dup:4/4 ID:45E12
CG7504	+ enzyme * nudix (nucleoside diphosphate linked moiety X)-type motif 3(aa) * 7e-40 diphosphoinositol polyphosphate
CG6391	phosphohydrolase (A * [MUTT // mutT] CG6391 LD28241 67F4-67F4 dup:3/4 ID:45E3
000001	+ Weak homology to SNF2 family (CHD1 subfamily) chromodomain protein [Arabidopsis thaliana] CHROMO_2 CG9933
CG9933	LD28372 dup:5/5 ID:45E9
CG14749	+ CG14749 dup:3/3 ID:45F10
0014743	+ Gdh enzyme * 7e-28 glutamate dehydrogenase dehyd * glutamate dehydrogenase (NAD(P)+) * 1e-180 Similarity to Drosphila
	Glutamate dehydrogenase cDNA * DHE3 MOUSE [GLFV DEHYDROGENASE // GLFDHDRGNASE // G] CG5320 95C-95C13
CG5320	dup:2/2 ID:45F11
	+ Doa protein kinase * PROTEIN KINASE DOA (PROTEIN DARKENER OF APRICOT)(aa) * DMDOA 2 Doa * 2e-60 ORF
	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
CG8783	+ unknown Conserved gene telomeric to alpha globin cluster [Homo sapiens] CG8783 LD28428 dup:2/3 ID:45F2

	+ 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
CG14657	+ unknown CG14657 LD28447 ID:45F4
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
CG2947	protein homolog * 1e-54 similar to TPR Domain (2 doma [RNP_1 // TPR_REGION // TPR_REPEAT // TP] CG2947 3F6-3F6 dup:3/4 ID:45F9
CG2947 CG12000	+ CG12000 ID:45G11
CG 12000	+ ribosomal_protein * 1e-48 RL7A_YEAST 60S RIBOSOMAL PROTEIN YL17-A ribosomal protein * 4e-66 ribosomal protein
	L17 60S RIBOSOM * 1e-65 RL17_RAT 60S RIBOSOMAL PROTEIN L17 [Ribosomal_L22 // RIBOSOMAL_L22] CG3203 6C10-
CG3203	6C10 dup:1/5 ID:45G12
000200	+ unknown * Cys-rich protein(aa) * FIM protein(aa) * zinc finger protein 261(aa) * BLASTX 3.6E-13 Dictyostelium discoideum
CG5965	sp96 gene for spore coat protein SP9 CG5965 97F4-97F4 dup:2/3 ID:45G2
	+ sgg protein_kinase * DMSGG46_2 sgg * 5e-98 MDS1_YEAST SERINE/THREONINE-PROTEIN KINASE MDS1/RIM11 pr *
	zeste-white 3-A - fruit fly (Drosophila melanogaster) * 1e-141 pred [PROTEIN_KINASE_ST // PROTEIN_KINASE_DOM] CG2621
CG2621	3B2-3B3 dup:1/2 ID:45G9
004000	+ unknown * phosphatidylinositol glycan, class B(aa) * 2e-29 YGO2_YEAST HYPOTHETICAL 72.6 KD PROTEIN IN MRF1-
CG12006	SEC27 INTERGENIC REGION * 5e-08 coded for by C. ele CG12006 64C4-64C4 dup:2/2 ID:45H10
CG11207	+ unknown CG11207 dup:2/2 ID:45H2
CG2890	+ CG2890 dup:2/3 ID:45H3
CG10640	+ CG10640 dup:4/4 ID:45H8
CCEOCO	+ smg * cloned by ability to arrest the cell cycle when expressed in the fission yeast Schizosaccharomyces pombe(aa) * 1e-124
CG5263	cloned by ability to arrest th CG5263 66F1-66F1 dup:1/5 ID:46A10
CG8309	+ CG8309 dup:2/3 ID:46A12
CG16944	+ sesB transporter ADP/ATP translocase ADPTRNSLCASE, MITOCARRIER CG16944 ID:46A4
	+ ncd motor_protein * DMCLARET_4 ncd * 3e-75 KAR3_YEAST KINESIN-LIKE PROTEIN KAR3 (NUCLEAR FUSION PROTEIN) * NCD DROME CLARET SEGREGATIONAL PROTEIN * 4e-61 YNZ2 CAEEL PU [kinesin //
CG7831	KINESIN_MOTOR_DOMAIN1 // KIN] CG7831 99C5-99C5 ID:46A9
007001	+ protein_kinase * DMTKABL3_2 Abl * TAK1 (TGF-beta-activated kinase)(aa) * TGF-beta activated kinase 1b(aa) * TGF-beta
CG1388	activated kinase 1c(aa) [PROTEIN_KINASE_ST // EGF_1 // TYRKINASE] CG1388 19E1-19E1 dup:1/4 ID:46B1
	+ phtf unknown * supported by Genscan and several ESTs: and * 3e-12 supported by Genscan and several ESTs: (NID:g2 * *
CG3268	CG3268 42C3-42C3 dup:1/2 ID:46B11
CG6605	+ motor_protein CG6605 ID:46B12
CG6343	+ ND42 enzyme * NADH-ubiquinone oxidoreductase kDa subunit(aa) * DMNUBO42K ND42 * NADH-UBIQUINONE

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OXIDOREDUCTASE KD SUBUNIT PRECURSOR (COMPLEX I-42KD) (CI-42KD)(aa [ATP GTP A] CG6343 93F14-94A1 ID:46B3
CG9805
                    translation factor eukaryotic translation initiation factor 3 subunit NLS BP, PCI DOMAIN CG9805 ID:46B4
CG7414
                     CG7414 79A4-79A4 dup:2/2 ID:46B6
                    unknown * MA3(aa) * 3e-70 apoptosis protein MA-3 - mouse apoptosis-i * 1e-69 nuclear protein H731 - human nuclear
              antigen H731 * nuclear antigen H731-like pr [RCC1 2 // NLS BP] CG10990 12B8-12B8 ID:46B7
CG10990
CG4916
                    RNA binding CG4916 dup:2/2 ID:46C4
CG7563
                    calpain CG7563 dup:1/4 ID:46C8
                    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
CG1101
                     CG1101 dup:4/5 ID:46D7
CG10928
                     CG10928 LD29844 dup:3/3 ID:46E11
                    transcription factor * host cell factor C1 (VP16-accessory protein)(aa) * HOST CELL FACTOR C1 (HCF) (VP16
              ACCESSORY PROTEIN) (HFC1) (VCAF) (CFF)(aa) * host cell factor 2(a CG1710 LD29768 102B3-102B3 dup:3/3 ID:46E3
CG1710
                    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
CG9107
                     CG9107 LD29822 dup:3/3 ID:46E8
                    enzyme * (novel PUTATIVE protein similar to hypothetical proteins S. pombe C22F3.14C and C. elegans C16A3.8)(aa) * 1e-
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
CG8730
              + drosha RNA binding ribonuclease III DSRBD, PRO RICH, RIBONUCLEASE III, RNASE] CG8730 LD29995 dup:2/3 ID:46F12
                    protein phosphatase regulatory subunit B' of serine-threonine protein phosphatase 2A ANTIFREEZEI, B56 CG7913
CG7913
              LD29902 dup:1/3 ID:46F5
                    unknown * PiUS(aa) * 6e-18 KCS1 protein - yeast (Saccharomyces cerevisiae) (Z49 * 7e-27 cDNA EST comes from this
CG10082
              gene * 2e-43 Similar to S.cerevisiae protein CG10082 LD29913 57F6-57F6 dup:2/2 ID:46F6
              + RhoGEF3 signal transduction RHO guanyl-nucleotide exchange factor ATP GTP A, GRF DBL, RhoGEF, SH3 CG1225
CG1225
              LD29915 dup:1/2 ID:46F8
CG3021
                     CG3021 LD29918 dup:1/2 ID:46F9
CG6224
              + dbo actin binding CG6224 LD29988 dup:1/3 ID:46G1
                    endopeptidase * hypothetical protein unp - mouse(aa) * Sad1p(aa) * putative protein(aa) * Contains similarity to Pfam
CG7288
              domain: (UCH-1), Score=13.8, E-value=0.14, N= [UCH 2 3 // UCH-2] CG7288 LD30129 17E4-17E4 dup:1/3 ID:46G10
                    enzyme * 1e-29 GTT1 DROME GLUTATHIONE S-TRANSFERASE 1-1 (CLASS-THETA) glu * 6e-12 GTT1_MOUSE
              GLUTATHIONE S-TRANSFERASE THETA (CLASS-THETA) * 3e-11 glutathion [GST] CG10065 LD30165 84C-84C dup:1/3
CG10065
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- 1	IJ	4	n	G1	_

ID:46G12
+ Dp1 DNA_binding * 2e-44 SCP160 * 4e-09 KH-domain putative RNA binding protein * 951003: Homology with human lipoprotein-binding protein (PIR Acc. * high density lipop [KH-domain // KH_DOMAIN // NLS_BP] CG5170 LD29992 55C10-55C11
dup:1/5 ID:46G2
+ unknown * 3e-62 No definition line found * No definition line found * CG3309 LD30005 4F2-4F2 dup:1/2 ID:46G3
+ unknown * CG17681 LD30009 36E-36E ID:46G4
+ transmembrane_receptor * nucleoporin Nup84(aa) * 6e-46 nucleoporin 88kD 88kDa nuclear * 3e-47 nucleoporin Nup84 * CG6819 LD30108 87C7-87C7 ID:46G7
+ transcription factor binding * 4e-71 YER2 YEAST HYPOTHETICAL 62.3 KD PROTEIN IN PTP3-ILV1 INTERGENIC
REGION * 9e-94 Similarity to Yeast hypothetical protein YER2 (SW:YER2_YEAS[WD40_REGION // WD_REPEATS // WD40]
CG2260 LD30339 7D11-7D11 ID:46H10
+ Transcription factor IIA L transcription_factor general RNA polymerase II transcription factor, PHOSPHOPANTETHEINE CG5930
LD30231 dup:2/2 ID:46H2
+ SEVEN IN ABSENTIA DNA binding ubiquitin-dependent protein degradation ZF_RING CG9949 LD30265 ID:46H3
+ glass transcription_factor photoreceptor determination ZINC_FINGER_C2H2 CG1647 LD30287 dup:2/2 ID:46H5
+ unknown * CG14005 LD30293 26A2-26A2 dup:2/3 ID:46H6
+ motor_protein * 4e-28 KIP1_YEAST KINESIN-LIKE PROTEIN KIP1 kinesin-related prot * 6e-33 PAV-KLP protein * 4e-33
Similar to kinesin-like protein; coded for by C. ele [kinesin // KINESIN_MOTOR_DOMAIN2 // KIN] CG12298 LD30305 54E7-54E7
ID:46H7
 chaperone It encodes a chaperone involved in proteolysis and peptidolysis which is a component of the mitochondrion DNAJPROTEIN, DNAJ 1, DNAJ 2, DnaJ CG4164 LD30318 ID:46H8
+ transcription_factor CG2682 ID:47A11
+ protein_kinase CG12306 ID:47A2 + CG8617 LD30408 dup:1/2 ID:47A4
+ CG8617 LD30408 dup:1/2 ID:47A4 + 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
+ snRNP70KRNA binding * U1 SMALL NUCLEAR RIBONUCLEOPROTEIN KD (U1 SNRNP KD) (SNRP70)(aa) * DMRNP70K 6
snRNP27D * ribonucleoprotein antigen(aa) * small nuclear ribonucleopr [RNP_1 // RBD // rrm // NLS_BP] CG8749 LD30455 27C7-
27C7 dup:1/2 ID:47A8
+ transcription_factor * b34l8.1 (Kruppel related Zinc Finger protein 184)(aa) * 2e-15 AZF1_YEAST ASPARAGINE-RICH ZINC
FINGER PROTEIN AZF1 fin * 8e-24 SUHW_DROME SUPPRESSO[zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG9797
LD30467 85B2-85B2 ID:47A9
+ translation_factor * 1e-85 NAT1_YEAST N-TERMINAL ACETYLTRANSFERASE (AMINO-TERMINAL, ALPHA-AMINO, 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
LD30311 1000-10D1 dup.3/0 1D.4/D1

	+ transcription_factor * general transcription factor IIH, polypeptide (52kD subunit)(aa) * TFIIH subunit Tfb2; has homology to
CG7764	CAK and human IIH subunits; Tfb2p(aa) * 9e-71 CG7764 LD30622 71D3-71D4 ID:47B11
CG9231	+ * 2e-14 pIL2 hypothetical protein - rat (fragment) growth and trans * * CG9231 76B9-76B9 dup:2/2 ID:47B12
	+ E(z) transcription_factor * enhancer of zeste (Drosophila) homolog 2(aa) * enhancer of zeste homolog (Drosophila)(aa) *
CG6502	DM180_2 E(z) * ENHANCER OF ZESTE PROTEIN(aa) [SET_DOMAIN // SET // NLS_BP] CG6502 LD30505 67E4-67E4 ID:47B2
	+ transcription_factor * similar to PHD-finger. (2 domains), SET domain; cDNA EST yk453a7.5 comes from this gene; cDNA
CG5591	EST yk453a7.3 comes from this gene; cDNA EST yk273c7.3 [PHD] CG5591 LD30514 60A9-60A9 dup:2/2 ID:47B3
CG3508	+ unknown * HMBA-inducible(aa) * 3e-11 HIS1 protein * [NLS_BP] CG3508 LD30520 88C11-88C11 ID:47B4
	+ chaperone * 1e-09 SCJ1_YEAST SCJ1 PROTEIN SCJ1 protein - yeast (Saccharomyce * 4e-11 csp29 cysteine string protein
CG7133	* 6e-12 similar to DnaJ, prokaryotic heat sho [DnaJ // DNAJPROTEIN // DNAJ_2] CG7133 LD30543 79C3-79C3 ID:47B6
	+ fzy cell_cycle_regulator * fzy * 2e-76 YGA3_YEAST HYPOTHETICAL 62.8 KD TRP-ASP REPEATS CONTAINING PROTEIN
004074	IN PMC1-TFG2 * Method: conceptual translation supplied by au[WD40_REGION // FIZZY_DOMAIN // WD_REPEA] CG4274
CG4274	LD30572 35F8-35F8 dup:1/2 ID:47B7
CG18683	+ unknown * CG18683 LD30576 99C6-99C6 ID:47B8
	+ SNF4Agamma protein_kinase * SNF4A ggr; * protein kinase protein serine/threonine kinase) map_position:93C * 8e-29
CC17200	SNF4_YEAST NUCLEAR PROTEIN SNF4 (REGULATORY PROTEIN CAT3) * 1 [CBS // SNF4_REP // NLS_BP] CG17299
CG17299	LD30628 93C4-95F5 dup:1/11 ID:47C1 + chaperone * transport complex protein (90 kDa)(aa) * 6e-59 putative S transport complex 90kD subunit brain-specific isoform
CG6549	* CG6549 LD30785 36C3-36C4 ID:47C10
000049	+ transporter * 8e-72 contains similarity to xanthine/uracil permeases family elegan * 1e-136 yolk sac permease-like molecule *
CG6293	1e-136 sodium-dependent vitamin C tr [xan_ur_permease // XANTH_URACIL_PERMASE] CG6293 LD30822 86A2-86A2 ID:47C11
000_00	+ FK506-bp1 ligand_binding_or_carrier * DMFKBP39_2 FK506-bp1 * KD FK506-BINDING NUCLEAR PROTEIN (PEPTIDYL-
	PROLYL CIS-TRANS ISOMERASE) (PPIASE)(aa) * 7e-24 hypothetical protein YLR4[FKBP // FKBP_PPIASE_2 //
CG6226	FKBP_PPIASE_3] CG6226 LD30817 90E1-90E1 ID:47C12
CG6962	+ CG6962 ID:47C2
	+ 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
	+ msl-3 tumor_suppressor * MALE-SPECIFIC LETHAL-3 PROTEIN(aa) * DMMSL3_2 msl-3 * 7e-08 hypothetical protein *
CG8631	DMMSL3_2 msl-3 CG8631 LD30726 65E5-65E5 dup:1/2 ID:47C5
	+ unknown * 2e-34 hypothetical protein YPR131c - yeast (Saccharomyces cerevisiae) (* 8e-20 contains similarity to N-terminal
CG14222	acetyltransferase complex subunit [Acetyltransf] CG14222 LD30731 18D9-18D9 dup:1/2 ID:47C6
0040700	+ unknown * 4e-09 predicted using Genefinder; similar to emp24/gp25L/p24 family; cDN * 1e-08 putative T1/ST2 receptor
CG10733	binding protein precursor * 2e-07 putative [EMP24_GP25L] CG10733 LD30746 65A3-65A3 ID:47C7
CG11490	+ unknown CG11490 dup:1/3 ID:47C9
007500	+ unknown * xenotropic and polytropic murine leukemia virus receptor X3(aa) * polytropic murine leukamia virus receptor
CG7536	SYG1(aa) * predicted using Genefinder; CG7536 LD30826 16F7-16F7 ID:47D1

	transposition factors with similarity to Harry society TAFILES are adad by Combanty Associate Newsborn and Conference
CG2670	+ transcription_factor * with similarity to Homo sapiens TAFII55 encoded by Genbank Accession Number and C. elegans unknown protein encoded by Genbank Accession Number * an CG2670 LD30980 84E1-84E1 ID:47D11
CG2670	+ 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
0011002	+ 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
	+ Mcm3 DNA_replication_factor * Mcm3 * DNA replication factor MCM3(aa) * 1e-168 MCM3_YEAST MINICHROMOSOME
CG4206	MAINTENANCE PROTEIN minichrom * MCM3 [MCM // MCM_1 // MCM_2] CG4206 LD30950 4F2-4F2 ID:47D8
	+ 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
	+ protein_phosphatase * 4e-25 PVH1_YEAST PROTEIN-TYROSINE PHOSPHATASE YVH1 (PTPASE YVH1) * 8e-13
0044044	puckered protein * 1e-14 predicted using Genefinder; similar to D[PTS_HPR_SER // DSPc // TYR_PHOSPHATASE_] CG14211
CG14211	LD31102 18D9-18D9 dup:2/2 ID:47E10
CG7730	+ unknown * CG7730 LD31138 73E4-73E4 dup:2/2 ID:47E12
CG6506	 unknown * CG6506 LD31003 16D6-16D6 dup:3/3 ID:47E2 cell_adhesion THYROGLOBULIN PRECURSOR 4_DISULFIDE_CORE, ATP_GTP_A, EGF_1, THYR] CG5639 LD31017
CG5639	dup:2/2 ID:47E4
00000	+ tos DNA_repair_protein * DMTOSCAP1_2 tos * Tosca(aa) * 7e-47 EXO1_YEAST EXONUCLEASE I (EXO I) (DHS1 PROTEIN)
CG10387	DHS1 pr * Tosca [53EXO N DOMAIN // 53EXO I DOMAIN // XPG] CG10387 LD31018 37A4-37A4 dup:2/2 ID:47E5
	+ 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
	+ chaperone * 1e-10 XDJ1 protein - yeast (Saccharomyces cerevisiae) Xdj1p: H * 2e-08 DNJ1_DROME DNAJ PROTEIN
007070	HOMOLOG (DROJ1) droj1 * 6e-56 predicted using Genefin [DNAJ_1 // DnaJ // DNAJ_2 // NLS_BP] CG7872 LD31069 13E3-13E3
CG7872	dup:2/2 ID:47E9 + enzyme * 1e-109 RSP5_YEAST UBIQUITINPROTEIN LIGASE RSP5 hypothetical pr * 2e-48 similar to hypothetical
	+ enzyme * 1e-109 RSP5_YEAST UBIQUITINPROTEIN LIGASE RSP5 hypothetical pr * 2e-48 similar to hypothetical proteins from yeast (YKL162) and rat (PIR: * 3e-90 [HECT_DOMAIN // HECT // WW_rsp5_WWP // C] CG4943 LD31242 54D3-
CG4943	54D3 dup:2/3 ID:47F12
00-0-0	+ unknown * 7e-05 YHOB_DROME TRANSPOSABLE ELEMENT HOBO KD HYPOTHETICAL PROTEIN * 9e-05 transposase
CG17153	* 7e-05 ORF1 * Hermes transposase CG17153 LD31163 68F3-68F3 ID:47F2
	+ 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
	+ ligand_binding_or_carrier * 3e-51 ARF1_YEAST ADP-RIBOSYLATION FACTOR ADP-ribosylation fac * 3e-49
	ARF1_DROME ADP-RIBOSYLATION FACTOR ADP-ribosylation fac * 1e-52 ARFL_CA[arf // SAR1GTPBP // RASTRNSFRMNG]
CG7197	CG7197 LD31204 66C5-66C5 dup:2/5 ID:47F5
CG8440	+ signal_transduction CG8440 ID:47F8
CG5100	+ unknown * [PRO_RICH // NLS_BP] CG5100 LD31243 77C4-77C4 dup:1/4 ID:47G1

	+ RNA_binding * 13878, ribosomal protein S14 (not transcribed)(aa) * 9e-84 PR43_YEAST PRE-MRNA SPLICING FACTOR
0040044	RNA HELICASE PRP43 (HELICASE JA1) * 8E-32* 5e-90 YQZN [HELICASE // NLS_BP // Ribosomal_S14 //] CG12211 LD31543
CG12211	18C8-18C8 ID:47G11 + motor_protein * coded for by C. elegans cDNA yk38d7.3; coded for by C. elegans cDNA cm06h5; coded for by C. elegans
CG12301	cDNA yk38d7.5(aa) * Yml093wp(aa) * 5e-33 YMJ3_Y [NLS_BP] CG12301 LD31322 71D4-71D4 dup:1/2 ID:47G3
CG8149	+ motor protein * CG8149 LD31448 86C1-86C1 ID:47G6
000143	+ cell_adhesion * tip associating protein(aa) * tip associating protein(aa) * tip associating protein(aa) * CG4118 LD31449 77A1-
CG4118	73A7 dup:1/2 ID:47G7
	+ enzyme * 2e-05 DMANKY_5 Ank * * [ANK_REP // ank // ANK_REP_REGION // NLS] CG10632 LD31582 69C4-69C6
CG10632	ID:47H1
CG18592	+ * CG18592 25C3-25C3 dup:1/2 ID:47H11
	+ * contains weak similarity to HIV P17 matrix protein * 7e-13 RL1_SERMA 50S RIBOSOMAL PROTEIN L1 ribosomal protein
CG7494	L1 - S * RL1_HAEDU 50S RIBOSOMAL P [Ribosomal_L1] CG7494 84F9-84F9 dup:2/2 ID:47H12
CG1530	+ unknown CG1530 ID:47H2
0044000	+ transcription_factor * DMMLP84B_2 Mlp84B * ajuba; jub(aa) * BLASTX 7.1E-07 Human LIM protein (LPP) mRNA, partial
CG11063	cds.(dna) * 8e-06 LRG1 [LIM_DOMAIN_1 // LIM // LIM_DOMAIN_2 //] CG11063 LD31670 12B9-12B9 ID:47H4
CG10997	+ unknown * 2e-10 predicted using Genefinder * 9e-11 CLCP * 3e-24 chloride intracellular channel CLIC2 sapiens * 1e-22 chloride channel 64K chain - bovine CG10997 LD31682 12B9-12B9 dup:2/2 ID:47H6
CG 10991	+ 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
	+ unknown * hypothetical protein(aa) * 4e-06 VPS9_YEAST VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN
	VPS9 * 3e-31 C05D9.6 gene product * 1e-14 Rab5 GDP/GTP exch [RAS_GTPASE_ACTIV_2 // PTS_HPR_HIS // NL] CG1657
CG1657	LD31729 10B8-10B8 dup:2/2 ID:47H8
000045	+ translation_factor * translation repressor NAT1(aa) * eukaryotic protein synthesis initiation factor(aa) * 2e-19 IF41_YEAST
CG3845	EUKARYOTIC INITIATION FACTOR 4F SUBUNIT P150 CG3845 LD32057 49E1-49E1 dup:1/2 ID:48A10 + transcription factor * 1e-11 AZF1 YEAST ASPARAGINE-RICH ZINC FINGER PROTEIN AZF1 fin * 4e-20 CROL BETA *
	2e-08 similar to Zinc finger, C2H2 type (4 domains); cDNA EST *[ZF_MATRIN // zf-C2H2 // ZINC_FINGER_C2H] CG17806
CG17806	LD32088 93B1-93B1 ID:48A11
CG5995	+ unknown * CG5995 LD31910 97F3-97F4 dup:1/2 ID:48A2
00000	+ enzyme * /match=(desc:; /match=(desc:(aa) * similar to Arabidopsis thaliana male sterility protein * DMC103B4 * acyl CoA
CG8306	reductase(aa) [HELIX_LOOP_HELIX // NLS_BP] CG8306 LD31990 53C7-53C8 dup:1/3 ID:48A5
CG10364	+ msb1l unknown * CG10364 LD32040 37F2-37F2 ID:48A8
	+ 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
	+ ligand_binding_or_carrier * 2e-13 62D9.a * 2e-25 retinaldehyde-binding protein C * 2e-15 DMC30B8 * /match=(desc:; /ma
CG10657	[CRETINALDHBP // CRAL_TRIO] CG10657 LD32330 69C2-69C2 dup:2/2 ID:48B10

	+ 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
	+ CHIP chaperone * defined colon cancer antigen 7(aa) * carboxy terminus of Hsp70-interacting protein(aa) * 3e-09 hypothetical
CG5203	protein YOR007c - yeast (Saccharomyces c [TPR_REGION // TPR_REPEAT // TPR] CG5203 LD32251 33D1-33D1 ID:48B6
	+ weak homology to extensin-like protein [Lycopersicon esculentum], proline-rich protein PRP2 precursor [Lupinus luteus]
CG15486	CG15486 LD32537 ID:48C11
000405	+ 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 CG8435 LD32459 52F5-52F5 ID:48C4
000000	+ ksr protein_kinase * KSR(aa) * KSR(aa) * ksr * 6e-19 hypothetical protein YPL141c - yeast (Saccharomyces cerevisiae) (
CG2899	[PROTEIN_KINASE_TYR // DAG_PE_BINDING_DO] CG2899 83B1-83B1 dup:2/2 ID:48C6 + mub RNA_binding * DMMUB_6 mub * PUTATIVE HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN X (HNRNP X)
	(CBP)(aa) * nucleic acid binding protein(aa) * 4e-13 YB83_YEAST HYPOTHETI [KH-domain // KH_DOMAIN] CG7437 LD32520
CG7437	79B1-79B1 ID:48C7
001401	+ 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
	+ enzyme * similar to Transketolase; cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST comes
CG8199	from this gene; cDNA EST comes from this gene [E1_dehydrog // NLS_BP] CG8199 LD32808 85D25-85D25 dup:2/2 ID:48D12
	+ transcription_factor * 5e-87 inserted at base 5' end of P element Inverse PCR * * [zf-C2H2 // ZINC_FINGER_C2H2 //
CG8961	ZINC_FIN] CG8961 LD32631 53F5-53F5 ID:48D3
	+ signal_transduction * protein(aa) * BLASTX 4.9E-08 Mus musculus TDAG51 (TDAG51) mRNA, complete cds.(dna) *
000500	BLASTX 7.3E-13 Rattus PSD-95/SAP90-related gene (chapsyn isofor [GUANYLATE_KINASE_2 // PDZ // NLS_BP] CG6509
CG6509	LD32687 33A2-33A2 ID:48D7 + RNA_binding * 4e-80 DBP2_YEAST P68-LIKE PROTEIN RNA helicase DBP2 - yeast (Sac * 1e-68 RM62_DROME
	PUTATIVE ATP-DEPENDENT RNA HELICASE P62 RNA he * 1e-154 similar [helicase C // HELICASE // DEAD // DEAD]
CG6418	CG6418 LD32732 67F4-67F4 dup:2/2 ID:48D8
000+10	+ motor_protein * ARX(aa) * 1e-58 UBA2_YEAST UBIQUITIN-ACTIVATING ENZYME E1-LIKE (POLYMERASE-
	INTERACTING PROTEIN * 2e-28 ubiquitin activating enzyme * 1e-67 simila[UBA_NAD // ThiF_family // NAD_BINDING /] CG7528
CG7528	LD33023 67E3-67E3 dup:5/5 ID:48E10
	+ 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
	+ nop5 unknown * nucleolar protein NOP5/NOP58(aa) * 1e-100 NOP5_YEAST NUCLEOLAR PROTEIN NOP5 hypothetical
CG10206	protein * 1e-119 contains similarity to S. cerevisiae Prp31 [NLS_BP] CG10206 LD32943 27C-27C dup:2/2 ID:48E7
	+ BG:DS09218.3 chaperone * 8e-19 ERP5_CAEEL PROBABLE PROTEIN DISULFIDE ISOMERASE P5 PRECURSOR * 4e-21
CG4455	protein disulfide isomerase-related protein * 9e-21 ERP5_RAT PROBABLE PRO CG4455 LD33101 35F10-35F10 dup:2/3
UG4455	ID:48F10

CG18551	+ unknown * CG18551 LD33058 88E1-88E1 ID:48F3
CG 16551	+ 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
004202	+ rtGEF signal_transduction * 5e-60 rho type GEF * 6e-62 rtGEF * rtGEF * rho type GEF(aa) [GRF_DBL // RhoGEF //
CG10043	SH3DOMAIN // SH3 /] CG10043 LD33092 38C7-38C8 dup:2/2 ID:48F9
	+ unknown * Yjr072cp(aa) * ATP(GTP)-binding protein(aa) * HYPOTHETICAL 39.7 KD PROTEIN C34E10.2 IN
CG3704	CHROMOSOME III(aa) * putative protein(aa) [ATP_GTP_A] CG3704 LD33276 1D1-1D1 ID:48G10
	+ ProsMA5 endopeptidase * 9e-71 PRCZ_YEAST PROTEASOME COMPONENT PUP2 (MACROPAIN SUBUNIT PUP2)
	(PROTEINASE YSCE * 1e-137 PRCZ_DROME PROTEASOME PSMA5 SUBUNIT (MULTICATALYTIC EN
CG10938	[PROTEASOME_PROTEASE // PROTEASOME_A //] CG10938 LD33318 54C1-54C1 ID:48G11
	+ unknown * protein(aa) * 3e-09 PC11_YEAST PCF11 PROTEIN hypothetical protein YDR228c - * 3e-21 YRR2_CAEEL
	HYPOTHETICAL 91.1 KD PROTEIN R144.2 IN CHROMOSOME III [PRENYLATION // PRO_RICH // NLS_BP // CY] CG10228
CG10228	LD33132 51D2-51D2 ID:48G2
	+ motor_protein * kda paraneoplastic cerebellar degeneration-associated antigen Peptide, * MYOSIN HEAVY CHAIN D (MHC
CG1962	D)(aa) * CLIP-190 * 7e-05 microtubule binding pro [NLS_BP] CG1962 38E-38E dup:3/5 ID:48G3
	+ unknown * protein(aa) * SSXT PROTEIN (SYNOVIAL SARCOMA, TRANSLOCATED TO X CHROMOSOME) (SYT
0040555	PROTEIN)(aa) * synovial sarcoma, translocated to X chromosome(aa) * [PRO_RICH] CG10555 LD33241 7E2-7E3 dup:2/2
CG10555	ID:48G6
CG3350	+ transcription_factor * transcription factor-like protein beta(aa) * 4e-09 No definition line found * 3e-43 transcription factor like protein * 3e-10 WS basic-helix-loop-h[HLH // HELIX_LOOP_HELIX // HELIX_LOOP_H] CG3350 LD33275 97F6-97F6 ID:48G9
CG3330	+ unknown * hypothetical protein(aa) * 4e-25 YMO9_YEAST HYPOTHETICAL 20.9 KD PROTEIN IN PLB1-HXT2
CG8000	INTERGENIC REGION * 9e-21 Closely related to Arabidopsis thal [NLS_BP] CG8000 LD33361 67E4-67E4 ID:48H2
000000	+ DNA binding * protein(aa) * 3e-65 YEZ9 YEAST PUTATIVE 90.2 KD ZINC FINGER PROTEIN IN CCA1-ADK2
CG15835	INTERGENIC REGION > * 2e-26 Similarity to Human XE169 protein (SW:X CG15835 LD33386 43F5-43F5 ID:48H3
00.0000	+ chromatin_binding * pheromone response pathway suppressor; Srm1p(aa) * similiar to RCC1 proteins(aa) * regulator of
	chromosome condensation(aa) * retinitis pigmentosa [RCC1 // RCC1 2 // RCCNDNSATION] CG9135 LD33431 26B3-26B3 dup:1/2
CG9135	ID:48H4
CG18124	+ BG:DS01068.4 unknown * 1e-05 mtDBP protein * AAs * * CG18124 LD33443 35A1-35A1 ID:48H5
	+ 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)
0005:5	(SCEH) (ENOYL-COA HYDRATASE 1)(aa) * 1e-17 YDAK_YEAST HYPOTHETICAL 56 [ECH // ENOYL_COA_HYDRATASE]
CG6543	CG6543 LD33482 50C14-50C14 ID:48H8

CG5793	+ unknown * 5-oxo-1,2,5-tricarboxilic-3-penten acid decarboxilase/isomer(aa) * 3e-26 YNQ8_YEAST HYPOTHETICAL 28.8 KD PROTEIN IN PSD1-SKO1 INTERGENIC REGION * 9e CG5793 LD33646 95F1-95F1 ID:49A1
000700	+ enzyme * 1e-10 FMS1_YEAST FMS1 PROTEIN FMS1 protein - yeast (Saccharom * 6e-11 Cs protein * 8e-33 No definition
CG7737	line found * 2e-13 protein [ADXRDTASE // AMINEOXDASEF // NAD_BINDIN] CG7737 LD33764 47D6-47D7 dup:1/2 ID:49A10
	+ transcription_factor * transcription factor 17(aa) * zinc finger protein(aa) * RENAL TRANSCRIPTION FACTOR KID-1
CG7357	(TRANSCRIPTION FACTOR 17)(aa) * crol [zf-C2H2 // ZINC_FINGER_C2H2 2] CG7357 LD33778 93B1-93B1 ID:49A11
CG15736	+ transcription_factor * CG15736 LD33780 11A4-11A4 ID:49A12
	+ 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
	+ unknown * similar to the postsynaptic membrane 43K protein from Xenopus * LGN protein(aa) * 4e-13 C10A gene product *
CG5692	2e-29 hypothetical protein [TPR_REGION // TPR_REPEAT // NLS_BP] CG5692 LD33695 98A3-98A3 ID:49A6
007070	+ RNA_binding * DMRM62RH_2 Rm62 * RNA helicase(aa) * mitochondrial DEAD box protein(aa) * VASA PROTEIN(aa)
CG7878	[helicase_C // KH-domain // KH_DOMAIN //] CG7878 LD33749 84F1-84F1 ID:49A7
	+ Caf1 signal_transduction * Caf1 * Rack1 * CHROMATIN ASSEMBLY FACTOR P55 SUBUNIT (CAF-1 P55 SUBUNIT) (DCAF-1)(aa) * 2e-73 HAT2 YEAST HISTONE ACETYLTRANSFERASE TYPE B SUBUNIT hy [GPROTEINBRPT // WD40 REGION //
CG4236	WD REPEA] CG4236 LD33761 88E8-88E8 ID:49A9
004230	+ unknown * 1e-27 cDNA EST yk476a1.5 comes from this gene * 4e-28 Unknown * cDNA EST comes from this gene; cDNA
CG3887	EST yk256g7.5 come * F28H7.4 CG3887 LD33828 25C1-25C1 ID:49B2
000001	+ RNA binding * 3e-05 NSR1 YEAST NUCLEAR LOCALIZATION SEQUENCE BINDING PROTEIN (P67) * 7e-06 protease *
CG10837	3e-05 Similarity to Bovine Poly-A binding protein II cDNA * [RNP_1 // RBD // rrm] CG10837 LD33831 cyto_unknown ID:49B3
	+ enzyme * 2e-60 COXX_YEAST ČYTOCHROME C OXIDASE ASSEMBLY PROTEIN COX10 PRECURSOR * 5e-94 heme A:
	farnesyltransferase * 4e-46 putative heme A:farnesyltransfera [COX10_ctaB_cyoE // COX10_CTAB_CYOE] CG5037 LD33876
CG5037	31D9-31D9 dup:3/3 ID:49B6
	+ unknown * 6e-97 N2,N2-dimethylguonasine tRNA methyltransferase c * 1e-105 similar to N2,N2-dimethylguanosine tRNA
CG6388	methyltransferase; cDNA ES * 1E-125* 1e-111 [SAM_BIND] CG6388 LD33880 33D5-33E ID:49B7
	+ I(3)03670 unknown * DMC507_2 anon-I * 5e-93 head-elevated expression in 0.9 kb * 8e-92 inserted at base Unknown 5' end of P
CG1715	element Plasmid rescue * CG1715 LD33960 100B-100B ID:49B8
CG1913	+ CG1913 dup:6/7 ID:49B9
	+ unknown * 3e-47 YKT6_YEAST HYPOTHETICAL 22.7 KD PROTEIN IN PAS1-MST1 INTERGENIC REGION * 7e-53
004545	YMP8_CAEEL HYPOTHETICAL 82.6 KD PROTEIN IN CHROMOSOME III * 1e- [SYNAPTOBREVN // synaptobrevin] CG1515
CG1515	LD34211 7C8-7C8 ID:49C12
CG7338	+ unknown * Ydl060wp(aa) * No definition line found(aa) * 8e-91 hypothetical protein YDL060w - yeast (Saccharomyces cerevisiae) * 0.00000000006 [NLS_BP] CG7338 LD34093 78D-78D dup:2/4 ID:49C5
CG1330	+ unknown * RRM3/PIF1 helicase homolog(aa) * PIF1(aa) * putative helicase(aa) * DNA helicase homolog(aa) [NLS_BP //
CG3238	ATP_GTP_A] CG3238 LD34105 25A3-25A3 ID:49C6
000200	711 _011 _7] 000200 ED04100 20/10 ID.4000

+ EG:84H4.1 chaperone * by content; by match; 2-match_description=TORSINA.; 2-match_species=HOMO SAP...(aa) * 7e-55

	similarity to 35.1KD hypothetical yeast protein (Swiss [CLPPROTEASEA] CG3024 LD34179 4C7-4C7 ID:49C9
	+ transporter * MITOCHONDRIAL IMPORT RECEPTOR SUBUNIT TOM20 HOMOLOG (MITOCHONDRIAL KD OUTER
CG7654	MEMBRANE PROTEIN) (OUTER MITOCHONDRIAL MEMBRANE RECEPTOR TOM20)(aa) * 2e [NLS_BP] CG7654 LD34461 76E2-76E2 ID:49D10
CG7869	+ motor_protein * [SNF2_N // NLS_BP] CG7869 LD34474 70E1-70E1 ID:49D11
CG7609	+ 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
	+ pelo unknown * pelo * 9e-61 DOM34 protein - yeast (Saccharomyces cerevisiae) (X77 * PELO_DROME PELOTA PROTEIN
CG3959	pelota * 1e-120 YNU6_CAEEL HYPOTHETICAL 42.9 KD PROT CG3959 LD34262 30C6-30C7 ID:49D2
00000	+ peptidase * 1e-62 S2P * 2e-62 S2P * SP2 metalloprotease * S2P metalloprotease [ZINC_PROTEASE // SREBPS2PTASE]
CG8988	CG8988 LD34294 48C-48C ID:49D4
	+ 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
00.000	+ CH1-2 endopeptidase * COP9 complex homolog subunit 1-2 DCH1-2(aa) * 3e-14 YE28_CAEEL HYPOTHETICAL 47.6 KD
	PROTEIN F49C12.8 IN CHROMOSOME IV * 1e-157 GPS1_HUMAN G PROTEIN [PCI_DOMAIN // PCI] CG3889 LD34304 75E2-
CG3889	75E2 dup:1/2 ID:49D6
	+ 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:49E10
CG8735	+ electron_transfer * 1e-11 C05E11.1 gene product * 2e-07 hypothetical protein * 3e-45 inserted at base Both 5' and 3' ends of P element Inverse PCR * [CYTOCHROME_C] CG8735 LD34731 44D-44D2 dup:3/3 ID:49E11
CG6733	+ 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
CG12130	ID:49E12
	+ 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
CG12011	+ unknown * CG12011 LD34635 62A12-62A12 dup:2/2 ID:49E7
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 + TfIIS transcription_factor * 2e-20 DST1 DNA strand transferase alpha * 1e-124 TFS2_DROME TRANSCRIPTION ELONGATION
CG3710	FACTOR S-II (RNA POLYMERASE II ELONGATION FA * 3e-42 TFS2_CAEEL [TFIIS] CG3710 LD34766 35C1-35C1 ID:49F1
000.10	+ DNA_binding * zinc finger protein (RING finger, C3HC4 type)(aa) * 4e-34 YL23_YEAST HYPOTHETICAL 29.7 KD PROTEIN
	IN REC102-SFH1 INTERGENIC REGION * 5e-65 similar t [ZF_CCCH // zf-C3HC4 // ZINC_FINGER_C3HC] CG4973 LD35003
CG4973	92C4-92C4 ID:49F12
000007	+ 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

CG17689	+ unknown * P38IP(aa) * Lola-like protein(aa) * GAGA-581 Adf-2 isoform(aa) * 0.000002 [NLS_BP] CG17689 LD34837 70B2-70B2 ID:49F7
CG17669 CG9754	+ unknown * [NLS_BP] CG9754 LD34845 57D4-57D4 ID:49F8
CG9154	+ Dox-A2 endopeptidase * component of the regulatory module of the 26S proteasome, homologous to human p58 subunit;
	Rpn3p(aa) * proteasome (prosome, macropain) 26S subunit, [PCI_DOMAIN // PCI // TPR_REPEAT] CG10484 LD34970 37B12-
CG10484	37B12 dup:3/3 ID:49F9
	+ 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
	 unknown * 1e-146 inserted at base Unknown 5' end of P element Plasmid rescue * * [ZINC_FINGER_C2H2 //
CG5580	ZINC_FINGER_C2H2_2] CG5580 LD35038 55C4-55C4 ID:49G3
	+ DNA_binding * 1e-125 hypothetical protein YDR334w - yeast (Saccharomyces cerevisiae) (* 1e-67 iswi protein - fruit fly
000000	(Drosophila melanogaster) ISWI p * 2e-67 p [helicase_C // DNA_LIGASE_A1 // MYB_3 //] CG9696 LD35056 57D5-57D8 dup:3/4
CG9696	ID:49G4
	+ GTP_binding * PTD004(aa) * PUTATIVE GTP-BINDING PROTEIN W08E3.3(aa) * GTP-binding protein - Methanococcus jannaschii(aa) * Similar to W08E3.3 putative GTP-binding [GTP10BG // ATP_GTP_A] CG1354 LD35094 8F10-8F10 dup:2/2
CG1354	ID:49G5
001004	+ 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
	+ ligand_binding_or_carrier * 2e-05 odorant-binding protein Rpal2' palmaru * * [PBP_GOBP] CG13421 GH01026 57A6-57A6
CG13421	ID:54A2
	+ unknown * 3e-80 YKL6_CAEEL HYPOTHETICAL 103.8 KD PROTEIN C03C10.6 IN CHROMOSOME III * E03A3.6 *
CG5237	E03A3.7 * [AA_TRNA_LIGASE_II_2 // PRO_RICH // CYTO] CG5237 GH01039 91F10-91F11 ID:54A4
CG1168	+ enzyme_inhibitor * 7B2(aa) * cDNA EST comes from this gene(aa) * 2e-22 cDNA EST comes from this gene * CG1168 GH01053 83A5-83A5 ID:54A6
CG1100	+ enzyme * 5e-19 VIT1 DROME VITELLOGENIN I PRECURSOR (YOLK PROTEIN 1) vitell * 6e-23 pancreatic lipase related
CG17292	protein * 3e-25 pancreatic lipase-related protei [TAGLIPASE // ESTERASE // lipase] CG17292 GH01208 29B3-29B3 ID:54B11
0011202	+ 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
CG13219	ID:54B3
CG11400	+ unknown * CG11400 GH01142 54A-54A ID:54B4
	+ ion_channel * Glu-RIIB * glutamate receptor precursor - human (fragment)(aa) * 9e-14 glutamate receptor DGluRIIB * 4e-17
CG17274	ionotropic glutamate receptor - Caenorhab [lig_chan // ATP_GTP_A] CG17274 GH01149 93A1-93A1 ID:54B6
CG17926	+ unknown * [NLS_BP] CG17926 GH01154 66D6-66D7 ID:54B7
CG10671	+ unknown * cDNA EST yk481g5.5 comes from this gene(aa) * * CG10671 GH01192 64C12-64C12 ID:54B9
CG9707	+ 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 * MALE STERILITY PROTEIN 2(aa) * DMC103B4 * male sterility 2-like protein(aa) * /match=(desc:;
CG10096	/match=(desc:(aa) CG10096 GH01346 87B13-87B14 ID:54C10
CG7066	+ 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-
CG3139	23B2 dup:1/4 ID:54C2
003133	+ Dph5 enzyme * similar to diphthine synthase(aa) * 7e-73 DPH5_YEAST DIPHTHINE SYNTHASE (DIPHTAMIDE
	BIOSYNTHESIS METHYLTRANSFERASE) * 1e-84 CGI-30 protein * 3e-74 [TP_methylase] CG5275 GH01248 94B8-94B9
CG5275	ID:54C3
CG5107	+ unknown * CG5107 GH01257 99B4-99B4 ID:54C4
	+ BcDNA:GH07485 enzyme * 3e-55 CAO_YEAST ACYL-COENZYME A OXIDASE (ACYL-COA OXIDASE) ac * 1e-130 Similarity to
CG5009	Rat Acyl-CoA oxidase I (SW:CAO1_RAT); cDNA EST EMBL: * 1e-145 p CG5009 GH01266 54E8-54E8 dup:1/2 ID:54C6
CG16716	+ enzyme * similar to pig tubulin-tyrosine ligase.(aa) * 1e-41 similar to tubulin tyrosine ligase; cDNA EST comes fro * 2e-55 protein * 8e-16 TTL_BOVIN TUBULIN [NLS_BP] CG16716 GH01307 56D15-56E1 ID:54C7
CG10710	+ neurotransmitter_transporter * 3e-06 cocaine-sensitive serotonin transporter * 8e-11 NTGL_MOUSE SODIUM- AND
	CHLORIDE-DEPENDENT GLYCINE TRANSPORTER (GLYT-1) * 1e-10 NTGL HUMAN SODI [NA NEUROTRAN SYMP 3]
CG13796	CG13796 GH01326 28C2-28C2 dup:1/3 ID:54C9
	+ odd transcription_factor * DMODDS_1 odd * transcription factor specific RNA polymerase II transcription factor) cell nucleus)
000054	map_position:24A1-3 * Sob protein(aa) * 5e-19[zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG3851 GH01449 25B1-25B1
CG3851	ID:54D10
CG11142	+ 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
0011142	+ Diacyl glycerol kinase enzyme EDgk gene product is expressed predominantly in the embryonic CNS and adult nervous system
CG1535	and muscle DAGK, DAGKa, DAGKc, NLS_BP CG1535 GH01459 dup:2/2 ID:54D12
CG7058	+ unknown * CG7058 GH01369 17E1-17E1 ID:54D2
	+ transcription_factor * CROL BETA(aa) * 2e-08 AZF1_YEAST ASPARAGINE-RICH ZINC FINGER PROTEIN AZF1 fin * 6e-
0040074	09 CROL GAMMA * 2e-09 similar to Zinc finger, C2H2 type (4 doma[zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG12071
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
CG4879	GH01404 70E6-70E7 ID:54D5
CG5532	+ unknown * CG5532 GH01442 59F7-59F7 ID:54D9
CG1545	+ unknown * CG1545 GH01560 10A-10A dup:2/2 ID:54E10
	+ cell_adhesion * DMARTAN_7 trn * 5e-08 tartan protein * 6e-16 5T4 oncofetal trophoblast glycoprotein * 6e-18 oncofetal
CG6959	trophoblast glycoprotein 5T4 precursor - human [LRR // LRRCT] CG6959 GH01562 86F11-86F11 dup:2/2 ID:54E11

	+ transporter * 4e-71 similar to the NUPC family of transporters * 1e-82 purine-selective Na+ nucleoside cotransporter * 2e-82
CG8083	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
CG6483	ID:54E6
	+ defense/immunity_protein * cuticular molt protein precursor(aa) * 2e-29 peptidoglycan recognition protein precursor * 2e-31
CG8995	TNF superfamily, member (LTB)-like (peptidoglycan r CG8995 GH01554 13F1-13F1 dup:2/2 ID:54E9
CG10680	+ * CG10680 38B1-38B1 dup:2/3 ID:54F11
	+ 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 //
CG4945	PROTEIN_KINASE_DOM] CG4945 GH01572 53C7-53C7 dup:3/4 ID:54F3
	+ enzyme * long-chain-fatty-acidCoA ligase (fadD-8)(aa) * similar to 4-coumarate-coA ligase; cDNA EST yk455e10.3 comes
CG4563	from this gene; cDNA EST yk455e10.5 c [AMP-binding] CG4563 GH01595 60D2-60D2 ID:54F5
	+ enzyme * 2e-07 CN1C_RAT CALCIUM/CALMODULIN-DEPENDENT 3',5'-CYCLIC NUCLEOTIDE PHOSPHODIESTERASE
CG14942	* * [kazal // KAZAL] CG14942 GH01602 33B2-33B2 dup:2/2 ID:54F6
CG18212	+ unknown * [NLS_BP] CG18212 GH01770 90C-90C ID:54G11
	+ unknown * PROTEIN 22A3(aa) * 8e-46 YL22_YEAST HYPOTHETICAL 28.3 KD PROTEIN IN PPR1-SNF7 INTERGENIC
000=40	REGION * 4e-56 YOM4_CAEEL HYPOTHETICAL 29.1 KD PROTEIN W06E [UPF0023] CG8549 GH01786 66D10-66D10
CG8549	ID:54G12
000400	+ karyopherin-alpha3 ligand_binding_or_carrier * coded for by C. elegans cDNA yk173a10.5; coded for by C. elegans cDNA
CG9423	yk96a12.5; coded for by C. elegans cDNA cm06h1; coded for by C. elegans cDNA CG9423 GH01702 86C3-85D27 ID:54G5
CG11446	+ unknown * CG11446 GH01717 2A3-2A3 ID:54G6
	+ enzyme * alkaline phosphatase(aa) * MEMBRANE-BOUND ALKALINE PHOSPHATASE PRECURSOR (M-ALP)(aa) *
CC2200	DMALKPHOS_2 Aph-4 * intestinal alkaline phosphatase VII; IAP [ALKALINE_PHOSPHATASE // ALKPHPHTASE //] CG3290 GH01891 58C7-58C7 ID:54H10
CG3290	
CG3955	 unknown * CG3955 GH01933 49F5-49F5 ID:54H12 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
CG11661	ID:54H3
CGTTOOT	+ 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
CG15217	+ transmembrane_receptor * CG15217 GH01875 40C2-40C2 ID:54H7
CG8605	+ unknown * 3e-08 pi034 * * CG8605 GH01880 65F2-65F2 ID:54H8
CG8401	+ unknown * CG8401 GH01937 52E3-52E4 ID:55A1
CG5778	
CG3//8	+ CG5778 GH02030 ID:55A10

CG17654	+ Eno enzyme * DMENOLAS_2 Eno * 1e-154 phosphopyruvate hydratase (EC 4.2.1.11) - yeast (Saccharomyces cerevisiae) >g * ENO_DROME ENOLASE (2-PHOSPHOGLYCERATE DEHYD [ENOLASE // enolase] CG17654 GH01942 22F3-22F3 ID:55A2
CG5588	+ Mtl enzyme CG5588 GH01976 ID:55A4
CG18214	 unknown * guanine nucleotide exchange factor UNC-73A(aa) * * CG18214 GH01987 61E2-61E2 dup:1/2 ID:55A5 * MYO-INOSITOL-1(OR 4)-MONOPHOSPHATASE (IMP) (INOSITOL MONOPHOSPHATASE) (LITHIUM-SENSITIVE MYO-INOSITOL MONOPHOSPHATASE A1)(aa) * 2e-41 hypothetical p [inositol_P // INOSPHPHTASE // IMP_1 //] CG9391 78C7-78C7
CG9391	dup:2/2 ID:55B1
CG11293	+ unknown * CG11293 GH02327 59F4-59F4 ID:55B11
CG2657	+ ion_channel glutamate receptor, delta-2 subunit-like SBP_GLUR CG2657 GH02344 ID:55B12
CG11317	+ transcription_factor * [ZINC_FINGER_C2H2 // ZINC_FINGER_C2H2_2] CG11317 GH02265 100B5-100B5 ID:55B5
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
	+ cell_adhesion * orphan G protein-coupled receptor FEX(aa) * BLASTX 7.5E-06 Santalum album proline rich protein mRNA, complete cds.(dna) * 9e-05 protein * 5e-05 kek1 [LRR // LEURICHRPT // NLS BP // LRRCT] CG3413 GH02310 58D2-58D3
CG3413	ID:55B8
CG4716	+ unknown * CG4716 GH02313 50A1-50A1 dup:2/3 ID:55B9
	+ enzyme * DMPGMII_3 agr;-Man-II * alpha-mannosidase(aa) * alpha-mannosidase (EC 3.2.1.24) precursor - human(aa) *
CG9466	LYSOSOMAL ALPHA-MANNOŠIDASE PRECURSOR (MANN [Glýco_hydro_38] CG9466 GH02475 29F1-29F1 ID:55C11 + enzyme * 1e-47 CACP_YEAST CARNITINE O-ACETYLTRANSFERASE PRECURSOR (CARNITINE ACETYLASE) * 4e-37
CG12428	choline acetyltransferase * 3e-66 similar to Carnitate acyltr [Carn_acyltransf] CG12428 GH02484 98A8-98A9 dup:1/4 ID:55C12
000004	+ 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 GH02457
CG7123	28D-28D ID:55C7
CG7506	+ unknown * 2e-07 cDNA EST comes from this gene; cDNA EST co * * CG7506 GH02466 66A7-66A7 ID:55C9
	+ 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
	+ tld metalloendopeptidase DORSAL-VENTRAL PATTERNING TOLLOID PROTEIN PRECURSOR ASTACIN, ASX_HYDROXYL,
CG6868	Astacin, CUB, EGF, CG6868 ID:55D10
CG10579	+ Ecdysone-induced protein 63E protein_kinase serine/threonine kinase protein kinase CG10579 GH02721 ID:55D11
	+ unknown * 4e-11 YMH6_CAEEL HYPOTHETICAL 19.1 KD PROTEIN F58A4.6 IN CHROMOSOME III * * CG12123
CG12123	GH02722 7E6-7E6 ID:55D12
CG2578	+ cell_adhesion * 1e-180 odd Oz product * 8e-31 similar to tenascin * 1e-107 Ten-m4 * 1e-101 (mouse DOC4 LIKE protein)

	[NLS_BP] CG2578 GH02628 11B1-11B1 ID:55D3
CG7366	+ unknown * CG7366 GH02649 67E7-67E7 ID:55D4
	+ unknown * 2e-22 YKQ5 YEAST HYPOTHETICAL 105.7 KD PROTEIN IN TPK3-PIR1 INTERGENIC REGION * 6e-36
CG6790	Mcd4p homolog * 1e-18 hypothetical protein * unknown protein CG6790 GH02677 86E15-86E15 ID:55D6
	+ Dgp-1 translation_factor * 1e-07 EF1A_YEAST ELONGATION FACTOR 1-ALPHA (EF-1-ALPHA) translat * 8e-05
	EF11_DROME ELONGATION FACTOR 1-ALPHA (EF-1-ALPHA) (50 KD FEMALE-SPECIFIC PR [NLS_BP // GTP_EFTU //
CG5729	ATP_GTP_A] CG5729 GH02692 55B9-55B9 dup:2/4 ID:55D7
	+ Chi DNA_binding * neural src interacting protein, long form; NSIP long form(aa) * Nuclear LIM interactor(aa) * short form of
CG3924	CHIP(aa) * CHIP(aa) [NLS_BP] CG3924 GH02919 60B1-60B1 dup:3/4 ID:55E11
CG1537	+ unknown * CG1537 GH02938 10A-10A dup:2/2 ID:55E12
	+ unknown * No definition line found(aa) * 3e-46 No definition line found * 1e-140 protein * [CLATHRIN_REPEAT // ZF_RING]
CG10144	CG10144 GH02853 65B2-65B2 dup:2/2 ID:55E3
	+ unknown * molybdenum cofactor biosynthesis protein E isolog(aa) * molybdenum cofactor synthesis 2(aa) * 8e-28 similar to
CG10238	molybdenum cofactor biosynthesis pro CG10238 GH02855 96B20-96B20 dup:2/2 ID:55E4
000070	+ enzyme * Sar oxidase(aa) * * 7e-63 cDNA EST comes from this gene; cDNA EST co * 2e-41 unknown protein CG3270
CG3270	GH02863 42C6-42C6 dup:2/2 ID:55E5
004444	+ transporter * 8e-16 GPI-anchored protein - mouse (fragment) hum * 2e-16 P137_HUMAN GPI-ANCHORED PROTEIN P137
CG4144	GPI-anchored prote * 2e-17 gram negative binding prot CG4144 GH02872 75D2-75D2 dup:3/3 ID:55E6
CG4714	+ unknown * 6e-05 centromere protein E CENTROMERIC * 6e-05 CENP-E protein * CG4714 GH03085 50A1-50A1 ID:55F11
CG2681	+ EG:100G10.2 unknown * by motif; 1-match_description=ATP/GTP-binding site motif A (P-loop).; by match; 2-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 actin_binding * filamin(aa) * 1e-103 similar to endothelial actin-binding protein repeats; cDNA EST EMB * 7e-11 actin binding
CG11605	+ actin_binding * filamin(aa) * 1e-103 similar to endothelial actin-binding protein repeats; cDNA EST EMB * 7e-11 actin binding protein ABP-280 * 3e-90 gamma filamin [Filamin // FILAMIN_REPEAT] CG11605 GH03013 58F7-58F7 dup:1/3 ID:55F5
CG11003 CG16772	+ unknown * CG16772 GH03035 38B1-38B1 ID:55F6
CG9005	 + cell_adhesion * 0.0000000000000000003* * CG9005 GH03037 48B1-48B2 dup:2/5 ID:55F7 + serpin * THYROXINE-BINDING GLOBULIN PRECURSOR (T4-BINDING GLOBULIN)(aa) * alpha-1-antichymotrypsin
CG9334	+ serpin * THYROXINE-BINDING GLOBULIN PRECURSOR (T4-BINDING GLOBULIN)(aa) * alpha-1-antichymotrypsin precursor(aa) * 8e-42 Similar to serine protease inhibito [serpin] CG9334 GH03095 38E9-38E9 ID:55G1
CG9334	+ unknown * 2e-17 FMR2 protein * 1e-17 X mental retardation X ment * lymphoid nuclear protein related to AF4 * [HMGI_Y //
CG8817	NLS BP] CG8817 GH03237 23C1-23C1 dup:1/2 ID:55G11
000017	+ tim transcription_factor * TIM_DROME TIMELESS PROTEIN TIM * 3e-16 timeless * 3e-16 UNKNOWN timeless homolog *
CG3234	TIM CG3234 GH03106 23F3-23F5 ID:55G2
000201	+ Eip63F-1ligand_binding_or_carrier * Eip63F-1 * 2e-74 E631_DROME CALCIUM-BINDING PROTEIN E63-1 calcium-binding pr *
CG15855	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
	_

	+ 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
00000	SYNT * 3e-43 FOLC_CAEEL PUTATIVE FOLYLPOLYGLUTAMATE SYNTHASE (FOLYL [Mur_ligase] CG3390 GH03216 25C5-
CG3390	25C5 dup:1/3 ID:55G9 + transcription_factor * LTG19 - human(aa) * BLASTX 1.2E-10 Caenorhabditis elegans cosmid ZK354.(dna) * 1e-11
	+ transcription_factor * LTG19 - human(aa) * BLASTX 1.2E-10 Caenorhabditis elegans cosmid ZK354.(dna) * 1e-11 YNK7 YEAST HYPOTHETICAL 26.0 KD PROTEIN IN CYB5-LEU4 INTERGENIC [NLS BP] CG4913 GH03493 90E1-90E1
CG4913	dup:1/2 ID:55H10
CG8620	+ unknown * CG8620 GH03505 65E6-65E6 ID:55H11
CG12106	+ unknown * 1e-05 bup=5'of bmi-1 proviral insertion locus Peptide, s * * CG12106 GH03263 8D2-8D2 ID:55H2
	+ 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
CG5914	+ unknown * 1E-179* * CG5914 GH03315 5D2-5D2 ID:55H6
CG4782	+ unknown * CG4782 GH03334 86D6-86D6 ID:55H7
	+ SMC2 DNA_binding * 1e-179 SMC2_YEAST CHROMOSOME SEGREGATION PROTEIN SMC2 (DA-BOX PROTEIN SMC2) *
CG10212	3e-69 Cap * 1e-136 mitotic chromosome and X-chromosome associated MIX- [ATP_GTP_A] CG10212 GH03364 51D1-51D1 ID:55H8
CG10212 CG14617	+ unknown * 0.00000002* 0.00000002* CG14617 GH03511 19F6-20A1 ID:56A1
CG6272	+ transcription_factor C/EBP_CCAAT/enhancer-binding protein B_ZIP, NLS_BP CG6272 GH03576 ID:56A6
0002.2	+ motor_protein * 8e-08 /motif=(desc: * 7e-11 contains similarity to a C3HC4-class zinc finger * 1e-20 mTRIP * 3e-20 hTRIP
CG5140	[zf-C3HC4 // NLS_BP // ZF_RING] CG5140 GH03577 55B9-55B9 ID:56A7
CG1844	+ unknown * 1E-172* * CG1844 GH03581 10F4-10F4 ID:56A8
CG9803	+ unknown * [PRO_RICH] CG9803 GH03629 59D6-59D6 ID:56B1
	+ ion_channel * calcium-activated potassium channel rSK3(aa) * 2e-52 Weak similarity to potassium channel proteins; cDNA
CG10706	EST * 3e-41 intermediate conductance potass [CHANNEL_PORE_K] CG10706 GH03729 4F5-4F7 ID:56B10
CG3124	 unknown * CG3124 GH03736 59D4-59D4 ID:56B12 unknown * ATP-DEPENDENT RNA HELICASE A (NUCLEAR DNA HELICASE II) (NDH II) (DEAD BOX PROTEIN 9)(aa) *
CG5172	ATP-DEPENDENT RNA HELICASE A (NUCLEAR DNA HELICASE II) (N CG5172 GH03633 15E5-15E5 ID:56B2
000112	+ unknown * 2e-20 coded for by C. elegans cDNA yk173c12.5 * 3e-11 unknown protein * contains similarity to Physcomitrella
CG10509	patens glyceraldehyde 3-phosphate dehy CG10509 GH03649 57D3-57D4 dup:1/2 ID:56B3
	+ Cyt-b5 electron_transfer * CYBR_DROME PROTEIN TU-36B (CYTOCHROME B5-RELATED PROTEIN) * 9e-66 CYBR_DROVI
0040070	CYTOCHROME B5 RELATED PROTEIN cytochrome b5 * DMTU36B_4 Cyt-b5 * delta [CYTOCHROME_B5_2 // heme_1]
CG13279	CG13279 GH03691 36A9-36A9 ID:56B5
CG18358	+ unknown * CG18358 GH03717 15A3-15A3 ID:56B7
CG9861	+ DNA_binding * [NLS_BP] CG9861 GH03827 59D6-59D6 ID:56C11

CG2767	+ enzyme aldose reductase ALDOKETO_REDUCTASE_1, ALDOKETO_REDUCTASE] CG2767 ID:56C2
CG3523	+ BcDNA:GH07626 enzyme * p270(aa) * Similar to polyketide synthase.(aa) * FK506 polyketide synthase(aa) * [adh_zinc // Thioesterase // ACP_DOMAIN] CG3523 GH03816 23D-23D dup:4/9 ID:56C9
	+ Kaz1 enzyme_inhibitor * 3e-67 KAZ1-type serine protease inhibitor-like protein type gamma * KAZ1-type serine protease
CG1220	inhibitor-like protein type epsilon * KAZ1-type serine [kazal] CG1220 GH03839 61A6-61A6 dup:2/3 ID:56D1
CG15608	+ unknown * 2e-06 CGI-62 protein * * [NLS_BP] CG15608 GH03957 53F6-53F7 dup:1/3 ID:56D12
	+ Pkg21D protein_kinase * Pkg21D * 1e-64 cAMP-dependent protein kinase subunit (put.); putative * protein kinase (EC 2.7.1.37),
CG3324	cGMP-dependent - fruit fly (Drosophila melanog [PROTEIN_KINASE_ST // CGMPKINASE // cNMP] CG3324 GH03852 21E1-21E1 ID:56D3
CG3324	+ 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
	+ chromatin_binding HUMAN HETEROCHROMATIN PROTEIN 1 HOMOLOG GAMMA (HP1 BETA) CHROMODOMAIN,
CG7041	CHROMO_1, CHROMO_2, Chromo] CG7041 GH03916 ID:56D7
CG5433	+ KIc motor_protein KINESIN LIGHT CHAIN (KLC) ATP_GTP_A, KINESINLIGHT,KINESIN_LIGHT, T] CG5433 ID:56D9
CG18210	+ unknown * CG18210 GH04075 13C5-13C5 dup:2/2 ID:56E10
005770	+ Bc larval_serum_protein * pro-phenol oxidase A1 * pro-phenol oxidase subunit 1; proPO-p1 * DMORA_2 Bc *
CG5779	prophenoloxidase [TYROSINASE_2 // hemocyanin // HEMOCYANI] CG5779 GH04080 55A1-55A1 dup:2/2 ID:56E11 + unknown * 1e-35 hypothetical protein YDR531w - yeast (Saccharomyces cerevisiae) (U * 3e-27 No definition line found * 5e-
CG5725	42 putative protein * coded for by C. CG5725 GH04001 77B6-77B6 dup:3/3 ID:56E4
333.23	+ unknown * dJ413H6.1.1 (hamster Androgen-dependent Expressed Protein LIKE PUTATIVE protein) (isoform 1)(aa) *
CG3625	androgen-regulated protein FAR-17 - golden hamst CG3625 GH04039 21B5-21B5 dup:2/2 ID:56E6
	+ peptidase * 5e-10 carboxypeptidase s * 3e-90 Similarity to Human aminoacylase-1 (SW:ACY1_HUMAN) * 1e-109
000405	aminoacylase AMINOACYLASE-1 (N-A * 1e-103 ACY1_PIG AMIN [ARGE_DAPE_CPG2_1 // ARGE_DAPE_CPG2_2] CG6465
CG6465	GH04054 86C2-86C2 dup:2/2 ID:56E8
CG9400	+ unknown * antigen 5-related 2(aa) * antigen 5-related protein(aa) * Ag5r2 * 7e-12 predicted using Genefinder; Similarity to Human testis-specific pr [SCP // GATASE_TYPE_II] CG9400 GH04057 12E2-12E2 dup:2/2 ID:56E9
CG17977	+ unknown * CG17977 GH04104 44A3-44A3 ID:56F1
0017077	+ 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
	+ structural_protein * Similarity to Yeast YIP1 protein cDNA EST comes from this gene; cDNA EST comes from this gene;
CG3652	cDNA EST comes from this gene; cDNA EST comes from t CG3652 GH04132 24F1-24F1 dup:2/3 ID:56F4
	+ transcription_factor * 7e-10 AZF1_YEAST ASPARAGINE-RICH ZINC FINGER PROTEIN AZF1 fin * 2e-37 transcription factor YY1 homolog * 1e-14 contains similarity to C2H2-type z[zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG3445 67B4-67B4
CG3445	dup:3/4 ID:56G10
300-10	dq.0, 115.000 10

000405	+ unknown * secretory carrier membrane protein 2(aa) * 1e-43 partial CDS * 4e-54 SCA3_MOUSE SECRETORY CARRIER- ASSOCIATED MEMBRANE PROTEIN * 7e-64 SCA1_HUMAN SEC [PHOSPHOPANTETHEINE] CG9195 GH04264 13D1-13D1
CG9195	dup:2/2 ID:56G2 + * DMC132E8 * similar to thioredoxin(aa) * thioredoxin - Chloroflexus aurantiacus(aa) * 4e-15 TRX1_YEAST THIOREDOXIN
CG8993	+ * DMC132E8 * similar to thioredoxin(aa) * thioredoxin - Chloroflexus aurantiacus(aa) * 4e-15 TRX1_YEAST THIOREDOXIN I (TR-I) thioredoxin I - yeast (Sa [THIOREDOXIN // THIOREDOXIN_2 // thiored] CG8993 62E-62E ID:56G3
CG6541	+ Mst33A unknown * [NLS_BP] CG6541 GH04277 33A3-33A3 ID:56G4
CG0541	+ 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_CAÉEL HYPOTHETICAL 39.0 KD PROTEIN T28D9.3 IN [PA_PHOSPHATASE] CG11425 GH04282 79E4-79E4 ID:56G6
	+ cell_adhesion * protein(aa) * DMCONECTN_1 Con * 4e-18 adenylate cyclase * 1e-25 CAPRICIOUS [LRR // LEURICHRPT
CG7896	// LRRCT] CG7896 GH04292 99D3-99D3 dup:1/2 ID:56G8
	+ I(3)82Fdunknown * L82A(aa) * map_position:82F5-6 * [NLS_BP // ATP_GTP_A] CG10199 GH04293 83A2-83A3 dup:2/3
CG10199	ID:56G9
CG3918	+ NLS_BP, ZF_CCHC CG3918 ID:56H5
00004=	+ unknown * 1e-102 predicted using Genefinder; Weak similarity to elongation factors; * 1e-90 putative G-protein * 3e-90 GTP
CG2017	binding protein putative G-protein [GTP_EFTU // ATP_GTP_A] CG2017 GH04432 83C4-83C4 dup:3/3 ID:56H9
00000	+ RNA_binding * DOUBLE STRANDED RNA BINDING PROTEIN A (XLRBPA)(aa) * TAR (HIV) RNA-binding protein 2(aa) *
CG6866	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
CG5348	+ Sodium/calcium exchanger protein Na+/Ca2+,K+-exchanging protein homolog Na_Ca_Ex CG5348 GH04570 ID:57A12
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
CG 12955	+ transporter * 3e-23 YNK1 YEAST HYPOTHETICAL 80.0 KD PROTEIN IN POL1-RAS2 INTERGENIC REGION * 4e-58
	cDNA EST comes from this gene; cDNA EST * 7e-21 putative amino [AROMATIC_AA_PERMEASE_2] CG8785 GH04538 49B7-
CG8785	49B7 ID:57A5
	+ 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
	+ RNA_binding * Putative RNA helicase(aa) * BRR2_YEAST PRE-MRNA SPLICING HELICASE BRR2 hypothetical * 1e-23
	mus308 * similar to Helicases conserved C-terminal doma [EF_HAND // HELICASE // DEAD // ATP_GTP_] CG5931 GH04577
CG5931	72C1-72C1 dup:1/2 ID:57B1
	+ enzyme * DMALKPHOS_2 Aph-4 * 7e-27 PPB_YEAST REPRESSIBLE ALKALINE PHOSPHATASE PRECURSOR al * 2e-
005450	86 alkaline phosphatase * 1e-100 PPBT_MOUSE ALKALINE PHOSPHAT [ALKPHPHTASE // alk_phosphatase] CG5150 GH04680
CG5150	64E-64E ID:57B10
CG4524	+ unknown * CG4524 GH04692 14F5-14F5 ID:57B12

CG4962	+ unknown * CG4962 GH04593 72E2-72E2 ID:57B2
	+ cell_adhesion * Kallmann syndrome KAL product - quail(aa) * 3e-18 similar to WAP-type (Whey Acidic Protein) 'four-disulfide core', F * 4e-29 Kallmann syndrome prote [wap // 4_DISULFIDE_CORE // 4DISULPHCORE] CG6173 GH04611 95E1-95E1
CG6173	ID:57B4
	+ transporter * similar to mitochondrial RNA splicing MSR4 like protein; cDNA EST comes from this gene(aa) * 6e-50
004000	MRS3_YEAST MITOCHONDRIAL RNA SPLICING PROTEIN MRS [mito_carr // MITOCARRIER // MITOCH_CARR] CG4963
CG4963	GH04641 98B2-98B2 dup:2/2 ID:57B5 + unknown * tubby homolog(aa) * tub protein, testis - mouse(aa) * 3e-80 YQQ4 CAEEL HYPOTHETICAL 46.2 KD PROTEIN
CG9398	F10B5.4 IN CHROMOSOME III * 5e-97 tub homolog [TUB_1 // Tub // TUB_2] CG9398 GH04653 57C2-57C2 ID:57B6
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
0040455	+ Optix unknown * transcription factor RNA polymerase II transcription factor) cell nucleus) * * CG18455 GH04859 44A2-44A2
CG18455	ID:57C11
CG5497	unknown * 2e-23 predicted using Genefinder; cDNA EST yk414f4.5 comes from this g * 9e-27 HSPC007 * CG5497 GH04861 55E4-55E4 ID:57C12
003497	+ dib cytochrome_P450 * 2e-17 cytochrome P-450 - fruit fly (Drosophila melanogaster) (fragment) * 1e-10 YS45_CAEEL
	PUTATIVE CYTOCHROME P450 ZK177.5 IN CHROMOSOME II * 3e-30 [EP450II // p450 // P450 // MITP450 // C] CG12028
CG12028	GH04745 64A5-64A5 ID:57C3
CG7515	+ CG7515 GH04814 ID:57C5
	+ enzyme * ATP SYNTHASE LIPID-BINDING PROTEIN P2 PRECURSOR (PROTEIN 9) (SUBUNIT C)(aa) * 5e-12 ATP
004740	synthase (EC 3.6.1) c chain - Caenorhabditis elegans * 3e- [ATPASE_C // ATPASEC // ATP-synt_C] CG1746 GH04827 100B9-
CG1746	100B9 ID:57C6 + enzyme * 4e-16 LIPB YEAST PROBABLE LIPOATE-PROTEIN LIGASE B PRECURSOR (LIPOATE BIOSYNTHESIS PR *
CG9804	6e-09 lipoate-protein ligase B * 8e-36 LIPB_ARATH PUTATIVE L [LIPB] CG9804 GH04831 82C1-82C1 ID:57C7
CG4294	+ motor_protein * [PPASE // PRO_RICH // NLS_BP] CG4294 GH04951 58F1-58F1 dup:3/4 ID:57D11
CG18004	+ unknown * CG18004 GH04870 47C6-47C6 dup:2/2 ID:57D2
	+ 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
	+ endopeptidase * COAGULATION FACTOR XII PRECURSOR (HAGEMAN FACTOR) (HAF)(aa) * Chain A, Coagulation
00000	Factor Xa-Trypsin Chimera Inhibited With D-Phe-Pro-Arg-Chlorometh [trypsin // TRYPSIN_CATAL] CG6069 GH04903 97A4-97A5
CG6069	ID:57D5 + unknown * hypothetical protein - Chinese hamster (fragment)(aa) * DHFR-coamplified protein * hypothetical protein - Chinese
CG7231	hamster (fragment)(aa) * 4e-44 ins [ACTININ_1] CG7231 GH04938 30C1-30C1 dup:2/3 ID:57D8
CG9686	+ unknown * CG9686 GH05060 9A2-9A2 dup:2/2 ID:57E11
	+ CaMKI protein_kinase * CaMKI * calcium/calmodulin dependent protein kinase I(aa) * 1e-28 KCC1_YEAST
CG1495	CALCIUM/CALMODULIN-DEPENDENT PROTEIN KINASE I * 5e-17 Contains si[PROTEIN_KINASE_ST // TYRKINASE // PROTE]

CG1495 GH04968 102B7-102B7 dup:7/7 ID:57E2 chaperone * DMCYP1 2 Cyp1 * 1e-10 CYPH YEAST PEPTIDYL-PROLYL CIS-TRANS ISOMERASE (PPIASE) (ROTAMASE) (CYCLOPHILIN) * 1e-14 CYPH DROME PEPTIDYL-PROLYL CIS-TRANS [pro isomerase // CSA PPIASE 2 // CG5071 ZF BBO] CG5071 GH04969 96E6-96E6 dup:2/2 ID:57E3 transporter * WHITE PROTEIN HOMOLOG(aa) * 4e-43 ORF YOL075c * 7e-39 SCRT DROME SCARLET PROTEIN scarlet protein mel * 4e-37 Similarity to Drosophila white protein[ATP GTP A2 // ABC TRANSPORTER // ABC tr] CG17646 GH05015 22F3-22F3 dup:3/3 ID:57E6 CG17646 CG4571 unknown * CG4571 GH05034 6D6-6D7 dup:4/4 ID:57E8 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 CG15867 unknown CG15867 GH05072 ID:57F2 CG9162 unknown * CG9162 GH05093 26B3-26B4 ID:57F4 CG13607 unknown * CG13607 GH05104 95D10-95D10 ID:57F5 CG9896 unknown * [NLS BP] CG9896 GH05301 59C1-59C1 ID:57G12 CG11344 unknown * CG11344 GH05223 21E2-21E2 ID:57G3 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 none GH05253 ID:57G7 none transcription factor binding * oxidoreductase(aa) * 3e-20 YULF BACSU HYPOTHETICAL 36.5 KD PROTEIN IN GBSA-TLPB INTERGENIC REGION * YMO1 RHIME HYPOTHETICAL 36.4 KD PROTEIN IN MOC [GFO IDH MocA] CG13280 CG13280 GH05468 36A9-36A10 dup:2/2 ID:57H11 CG3312 CG3312 ID:57H12 CG5073 CG5073 ID:57H3 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 + Cyp6a8 cytochrome P450 * DMCYP6A2A 5 Cyp6a2 * cytochrome p450 monooxygenase * 3e-37 predicted using Genefinder: similar to cytochrome P450 * 5e-49 cytochrome P450 3A11 - mou [EP450II // p450 // P450 // MITP450 // C] CG10248 GH05558

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

* 5e-99 lysyl oxidase homolog [SCAVENGER RECEPTOR // Lysyl oxidase //] CG4402 GH05569 58A2-58A2 ID:58A8

51D2-51D2 ID:58A6

unknown * CG11477 GH05565 12E2-12E2 ID:58A7

CG10248 CG11477

CG12749	+ Hrb87F RNA_binding * Rbm(aa) * similar to RNA recognition motif. (aka RRM, RBD, or RNP domain); cDNA EST yk474h4.3 comes from this gene; cDNA EST yk505c10.3 comes from [RNP_1 // RBD // rrm] CG12749 GH05625 87F7-87F7 ID:58B2 + Dhc64C motor_protein * DMCYTHA_2 Dhc64C * DYHC_YEAST DYNEIN HEAVY CHAIN, CYTOSOLIC (DYHC) dynein he * DYHC_DROME DYNEIN HEAVY CHAIN, CYTOSOLIC (DYHC) dynein h * DYHC_CA [CRYSTALLIN_BETAGAMMA //
CG7507	THIOL_PROTEASE_] CG7507 64C-64C dup:2/3 ID:58B4
CG1980	+ don juanunknown It encodes a product which is expressed in the adult (testis) NLS_BP CG1980 GH05702 ID:58B6
001000	+ RNA_binding * No definition line found(aa) * qrk58E-3 * KEP1(aa) * 8e-05 hypothetical protein YLR116w - yeast
CG9337	(Saccharomyces cerevisiae) ([KH_DOMAIN] CG9337 GH05725 38F1-38F1 ID:58B8
CG9689	+ unknown * CG9689 GH05731 9A2-9A2 ID:58B9
	+ * 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
CG9085	ID:58C1
CG9218	+ sm RNA_binding * DMSMOOTH_2 sm * 4e-20 homologous to human hnRNP L * 5e-22 DMSMOOTH_2 sm * [RBD] CG9218 GH05823 56D11-56E1 dup:1/2 ID:58C12
CG7296	+ CG7296 GH05801 ID:58C6
	+ chaperone * DMHSP60_2 Hsp60 * CHAPERONIN HOMOLOG HSP60 PRECURSOR (HEAT SHOCK PROTEIN 60) (HSP-60)(aa) * MITOCHONDRIAL MATRIX PROTEIN P1 PRECURSOR (P60 LYMPHOCYT [CHAPERONINS_CPN60 //
CG2830	TCOMPLEXTCP1 // CH] CG2830 GH05807 21D1-21D1 ID:58C8
CG7413	+ Rbf cell_cycle_regulator * DMRBFPRTN_2 Rbf * EST comes from the 3' UTR m * 3e-24 similar to retinoblastoma proteins * 1e-84 RBL1_MOUSE RETINOBLASTOMA-LIKE PROTEIN (107 KD RETI CG7413 GH05946 1C2-1C2 ID:58D10
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 YOL102c - yeast (Saccharomyces cerevisiae) * 4e-07
CG7163	/match=(desc: * 4e-12 The gene is expresse [PAP // ZINC_FINGER_C2H2] CG7163 GH05885 66C11-66C11 dup:1/3 ID:58D3
CG3920	+ unknown * CG3920 GH05923 24C-24C dup:1/2 ID:58D7
	+ enzyme * by content; by match; 2-match_description=4-NITROPHENYLPHOSPHATASE.; 2-match(aa) * similar to N-
CG2077	acetyl-glucosamine catabolism(aa) * Similar to CG2077 GH05933 63B3-63B3 ID:58D8
CG2922	+ CG2922 83B4-83B4 dup:3/3 ID:58E11
	+ enzyme * 659aa long hypothetical 3-hydroxybutyryl-CoA dehydratase(aa) * PhaB(aa) * 9e-10 YDAK_YEAST
CG9577	HYPOTHETICAL 56.3 KD PROTEIN IN ARO3-KRS1 INTERGENIC REGI [ECH] CG9577 GH06131 19C1-19C1 dup:2/2 ID:58E12
000050	+ enzyme * acid phosphatase (EC 3.1.3.2) Acph-1 precursor, lysosomal - fruit fly (Drosophila melanogaster)(aa) * acid
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 (EC
CG12529	1.1.1.49) - fruit fly (Drosophila mela * 1e- [G6PD // G6PDHDRGNASE // G6P_DEHYDROGENA] CG12529 GH06084 18D12-18D12 dup:3/3 ID:58E7
CG12529 CG9510	·
CGasin	+ enzyme * lyase(aa) * lyase(aa) * lyase (EC 4.3.2.1)(aa) * [DCRYSTALLIN // FUMRATELYASE // FUMARATE] CG9510

	CLIOCO07 20FC 20FC dum: 2/2 ID: F0F0
	GH06087 29F6-29F6 dup:2/2 ID:58E8
CG8619	+ cell_adhesion * sdk * DMNRGAA_3 Nrg * fra * 8e-23 LAR_DROME PROTEIN-TYROSINE PHOSPHATASE DLAR PRECURSOR (PROTEIN-TYROSINE-PHOSPHAT [ig // FNTYPEIII // fn3] CG8619 GH06134 65E7-65E7 dup:2/2 ID:58F1
CGools	+ protein kinase * Mlc-k * Lk6 * DMRSK 2 S6kII * DMDAKT1 2 Akt1 [PROTEIN KINASE ST // TYRKINASE // PROTE]
CG11221	CG11221 GH06138 27A2-27A2 ID:58F2
0011221	+ unknown * predicted using Genefinder; cDNA EST yk268h6.5 comes from this gene; cDNA EST yk465f2.5 comes from this
CG10512	gene; cDNA EST yk393g7.5 comes from this gen CG10512 GH06154 78C3-78C4 ID:58F3
	+ unknown * ring finger protein 13(aa) * RING zinc finger protein(aa) * 2e-09 GOLI_DROME GOLIATH PROTEIN (G1
	PROTEIN) regulatory protei * 6e-24 similar to Zinc [GRAM_POS_ANCHORING // zf-C3HC4 // CYTOC] CG10277 GH06194 84A4-
CG10277	84A4 dup:2/2 ID:58F6
CG18494	+ unknown * [PFKB_KINASES_1] CG18494 GH06208 32A1-32A1 ID:58F8
	+ transcription_factor * 6e-06 TF3A_YEAST TRANSCRIPTION FACTOR IIIA (TFIIIA) transcriptio * 2e-11 zinc finger motif
	protein * 5e-09 similar to Zinc finger, C2H2 typ[zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG10631 GH06278 38A2-38A
CG10631	dup:1/3 ID:58G1
000000	+ transporter * organic anion transporter-K2(aa) * solute carrier family (prostaglandin transporter), member 2(aa) * SODIUM-
CG3380	INDEPENDENT ORGANIC ANION TRANSPORTER (O CG3380 GH06385 58D1-58D1 dup:1/2 ID:58G11 + 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.I CG14786 GH06301 2B1-2B1 ID:58G4
0014700	+ 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
CG6643	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	CG10550 96C8-96C8 dup:1/4 ID:58G9
CG5571	+ * [G_PROTEIN_RECEPTOR] CG5571 77B6-77B6 dup:1/2 ID:58H1
CG3748	+ unknown * CG3748 GH06504 30B-30B ID:58H11
CG5089	+ unknown * [NLS_BP] CG5089 GH06435 53C8-53C9 dup:2/2 ID:58H4
CG4377	+ unknown * CG4377 GH06474 58A3-58A3 ID:58H6
	+ Rab-RP3 signal_transduction * Rab1 * Rab-RP3 * 3e-47 coding sequence YP2 gene * 1e-121 rab-related protein [ras //
CG7062	ATP_GTP_A // RASTRNSFRMNG] CG7062 GH06528 66C5-66C5 ID:59A1
CG8592	+ stil unknown * 1e-171 STAND STILL (Y * 1e-173 stil * * [NLS_BP] CG8592 GH06596 49B2-49B2 ID:59A10
000050	+ DNA_binding * Ser/Arg-related nuclear matrix protein (plenty of prolines 101-like)(aa) * elastic titin(aa) * 1e-11 C. elegans
CG3950	UNC-89 * 8e-07 MAPB_MOUSE MICROTUBU [NLS_BP] CG3950 GH06555 6B1-6B3 ID:59A3
CG10204	+ CG10204 102B4-102B5 ID:59A6
CG8430	1 4

+ Lrr47 actin_binding * LRR47 protein - fruit fly (Drosophila melanogaster)(aa) * DMLRR47_3 Lrr47 * 2e-05 predicted using Genefinder; Similarity to Glucose-repressible alco [LRR // LEURICHRPT] CG6098 GH06740 31E6-31E6 ID:59B11

CG2727	+ emp transmembrane_receptor * DMEMP_3 emp * epithelial membrane protein - fruit fly (Drosophila melanogaster)(aa) * 2e-40 predicted using Genefinder; similar to CD36 family; cDNA [CD36] CG2727 GH06663 60E7-60E8 ID:59B5 + 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 + enzyme * UTPGLUCOSE-1-PHOSPHATE URIDYLYLTRANSFERASE (UDP-GLUCOSE PYROPHOSPHORYLASE) (UDPGP) (UGPASE)(aa) * similar to UTPGLUCOSE-1-PHOSPHATE URIDYLYLTRA CG4347 GH06691 67A9-67B1 dup:1/3
CG4347	ID:59B7
CG7557	+ unknown * [ATP_GTP_A] CG7557 GH07076 68C3-68C3 ID:59C11
	+ 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
	+ * 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
CG5467	+ unknown * CG5467 GH07007 97B9-97B9 ID:59C8
CG6761	+ unknown * CG6761 GH07092 67B12-67B12 ID:59D1
000.01	+ 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
	+ transporter * 9e-43 hypothetical protein YLR348c - yeast (Saccharomyces cerevisiae) (U * 1e-74 Oxoglutarate/malate carrier
CG4323	protein - Caenorhabditis elegans * 8e-2 [mito_carr // MITOCARRIER // MITOCH_CARR] CG4323 GH07093 92E7-92E7 ID:59D2
CG17035	+ unknown * [PA2_HIS] CG17035 GH07145 72C1-72C1 ID:59D4
CG10116	+ * TRIACYLGLYCEROL LIPASE (LIPASE, PANCREATIC)(aa) * 2e-16 VIT1_DROME VITELLOGENIN I PRECURSOR (YOLK PROTEIN 1) vitell * 2e-19 LIPL_MOUSE LIPOPROTEIN L [lipase] CG10116 73D5-73D5 dup:2/2 ID:59D6
CG18512	+ CG18512 GH07187 ID:59D7
CG4682	+ unknown * CG4682 GH07323 94D10-94D10 dup:2/2 ID:59E10
CG3588	+ EG:100G7.6 structural_protein * map_position:3C5 * * * [PRO_RICH] CG3588 GH07242 3C4-3C4 dup:2/2 ID:59E3
00000	+ transcription_factor * putative PHD-type zinc finger(aa) * Atu(aa) * myeloid/lymphoid or mixed-lineage leukemia 2(aa) * ATP-
	dependent chromatin assembly factor la[zf-C3HC4 // ZINC_FINGER_C3HC4 // PHD //] CG2926 GH07267 83B4-83B4 dup:4/4
CG2926	ID:59E6
	+ transporter * solute carrier family (sodium/chloride transporters), member 3(aa) * BUMETANIDE-SENSITIVE SODIUM-
004057	(POTASSIUM)-CHLORIDE COTRANSPORTER (NA-K-CL SYMPORT [AMINO_ACID_PERMEASE_2] CG4357 GH07280 69B-
CG4357	69B2 dup:7/8 ID:59E7 + 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
300011	(populacy) sail recognition is do populacy) sail recognition of the recognition in

CG11712	+ unknown * Mob1p-like protein; Mob2p(aa) * partial CDS(aa) * cDNA EST yk373c2.5 comes from this gene; cDNA EST yk361f7.5 comes from this gene(aa) * putative m CG11712 GH07469 68C5-68C5 dup:2/2 ID:59F12
	+ 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
	+ Karybeta3 ligand_binding_or_carrier * karyopherin (importin) beta 3(aa) * 1e-118 IMB3_YEAST IMPORTIN BETA-3 SUBUNIT (KARYOPHERIN BETA-3 SUBUNIT) (PROTEIN SECRET * IMB3_HUMAN IMPORTIN BE [HEAT_REPEAT] CG1059 GH07384
CG1059	82D2-82D2 dup:3/4 ID:59F4
	+ enzyme * similar to Gila monster phospholipase A2; similar to * PHOSPHOLIPASE A2 ISOZYMES PA2/PA4
CG3009	(PHOSPHATIDYLCHOLINE 2-ACYLHYDROLASE)(aa) * 2e-21 PA2_APIME [PA2_HIS] CG3009 GH07387 4C7-4C7 ID:59F5
CG8084	+ ana unknown * ana * neuroblast proliferation inhibitor ana - Drosophila(aa) * ana * neuroblast proliferation inhibitor=ana eye disc, Peptide, [WW_DOMAIN_1] CG8084 GH07389 45A9-45A10 ID:59F6
	+ peptidase * alanyl (membrane) aminopeptidase (aminopeptidase N, aminopeptidase M, microsomal aminopeptidase, CD13,
	p150)(aa) * 8e-98 AAP1_YEAST ALANINE/ARGININE [ALADIPTASE // Peptidase_M1 // HEMOPEXIN] CG11955 GH07390 99A5-
CG11955	99A5 dup:2/3 ID:59F7
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
007040	strong similarity to ETS domains and * DNA-BINDING [ETS_DOMAIN_1 // HSF_ETS // ETSDOMAIN //] CG7018 GH07491 65A3-
CG7018	65A3 ID:59G3
CG14689	+ unknown CG14689 GH07528 ID:59G5
none	+ none GH07529 ID:59G6
CG16882	+ BG:DS00180.8 cell_adhesion * DMTENA_3 Ten-a * DMC901PRT C901 * DMDELTA_4 DI * 3e-20 C901 protein [EGF_2] CG16882 GH07717 34E1-34E1 dup:3/4 ID:59H10
00.000	+ enzyme * DMADHA1_9 Adh * DMSCU scu * 7e-17 SP19_YEAST SPORULATION PROTEIN SPS19 (SPORULATION-
	SPECIFIC PROTEIN SPX19) * 4e-05 3-hydroxyacyl-CoA dehydrogenase [CPSASE_2 // adh_short_C2 // GDHRDH // a] CG2907
CG2907	GH07691 83B6-83B6 ID:59H8
	+ endopeptidase * kuz * a disintegrin and metalloprotease domain (ADAM) 10(aa) * 1e-109 kuzbanian * 1e-102 ADAM similar
CG1964	to [DISINTEGRINS_2 // ADAM_MEPRO // ZINC_PR] CG1964 GH07695 99C1-99C1 ID:59H9
CG8678	+ CG8678 dup:1/2 ID:60A10
	+ motor_protein * dynein light chain-A(aa) * DYNEIN LIGHT INTERMEDIATE CHAIN 1, CYTOSOLIC (LIC57/59) (DYNEIN
CG1938	LIGHT CHAIN A) (DLC-A)(aa) * 1e-38 cDNA EST comes from th [ATP_GTP_A] CG1938 GH07739 10A10-10A10 dup:2/3 ID:60A3
CG3092	+ unknown * CG3092 GH07743 59D-59D dup:1/2 ID:60A5
CG7859	+ unknown * [NLS_BP] CG7859 GH07769 93D9-93D9 dup:1/2 ID:60A6
	+ unknown * cDNA EST yk429e10.5 comes from this gene; cDNA EST yk431d3.5 comes * gene e1 protein - mouse * is a
CG14967	human counterpart of mouse e1 gene. * 7e-20 hypo CG14967 GH07785 63C1-64A3 dup:1/3 ID:60A7
CG11877	+ unknown * protein(aa) * * CG11877 GH07807 99A1-99A1 dup:2/3 ID:60A8

	+ TM4SF unknown * TM4SF * 1e-156 belong to the membrane protein group of Transmembrane Super * 9e-07 CD53_MOUSE LEUKOCYTE SURFACE ANTIGEN CD53 (CELL SURFACE GLYCOPROT [TMFOUR // TM4_2] CG11303 GH07902 60A7-60A7
CG11303	dup:2/3 ID:60B10
	+ enzyme * 9e-10 contains similarity to enoyl-CoA hydratases/isomerases Score=59 * 2e-38 D3D2_MOUSE 3,2-TRANS-
CG4592	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
CG6332	+ unknown * [NLS_BP] CG6332 GH07879 93F14-93F14 dup:1/2 ID:60B8
CG8568	+ unknown * 4e-05 C09D4.2 gene product * * [NLS_BP] CG8568 GH07892 16A4-16A5 dup:1/2 ID:60B9
	+ Rbp9 RNA_binding * 3e-14 PUB1_YEAST NUCLEAR AND CYTOPLASMIC POLYADENYLATED RNA-BINDING PROTEIN
	PUB1 (ARS * 1e-175 RNA-binding protein * 5e-70 Similar to the human para [RNP_1 // RBD // HUDSXLRNA // rrm] CG3151
CG3151	GH07919 23C1-23C2 dup:1/2 ID:60C1
	+ endopeptidase * coded for by C. elegans cDNA CEESC71F; similar to the S25B family of peptidases(aa) * PROTEASOME
	COMPONENT C7-I (MACROPAIN SUBUNIT C7-I) (MULTI[PROTEASOME_B // PROTEASOME_PROTEASE //] CG17302
CG17302	GH07971 23A3-23A3 dup:1/3 ID:60C10
CG11018	+ unknown * [DNA_LIGASE_A1] CG11018 GH07940 56E2-56E2 dup:1/2 ID:60C2
004007	+ RpL7 ribosomal_protein RL7_DROME 60S RIBOSOMAL PROTEIN L7 CG4897 Ribosomal_L30, THIOL_PROTEASE_HIS
CG4897	ID:60C3
CG9338	+ unknown * CG9338 GH07967 38F1-38F1 dup:1/2 ID:60C9 + Cpn ligand binding or carrier * 1e-128 CPN DROME CALPHOTIN calcium-binding protein calphotin - f * 1e-129 calphotin -
CG4795	+ Cpn ligand_binding_or_carrier * 1e-128 CPN_DROME CALPHOTIN calcium-binding protein calphotin - f * 1e-129 calphotin - Drosophila calphotin * 1e-131 binding or carrier,G * DMCLPTN_6 CG4795 GH08002 87B4-87B4 dup:1/2 ID:60D1
CG4795	+ transporter * 8e-07 predicted using Genefinder; cDNA EST yk416g4.5 comes from this g * 2e-05 hypothetical protein - rabbit
CG4526	ORF might exte * CG4526 GH08173 73A3-73A4 dup:3/6 ID:60D10
00 1020	+ 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
	+ unknown * 7e-30 weak similarity to rat cytosolic acyl coenzyme A thioester hydrolase * 1e-58 CGI-16 protein * 6e-27
CG1774	hypothetical protein * contains weak simil CG1774 GH08048 100D2-100D2 dup:2/3 ID:60D2
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
005000	+ cell_adhesion * DMLACH_2 Lac * 1e-09 LACH_DROME LACHESIN PRECURSOR lachesin melanoga * 5e-06 hemicentin
CG5308	precursor * 4e-05 elastic titin [ig] CG5308 GH08163 86E9-86E10 dup:2/3 ID:60D7
CG7096	 unknown * hypothetical protein(aa) * DMRNAPER_2 anon-3B1.2 * 2e-08 0.9-kb RNA transcript * 7e-10 DMRNAPER_2 anon-3B1.2 CG7096 GH08336 93B5-93B5 dup:3/3 ID:60E10
CG7096 CG14183	
CG 14 103	+ endopeptidase * 3e-11 TBP6_YEAST PROBABLE 26S PROTEASE SUBUNIT YTA6 (TAT-BINDING HOMOLOG 6) * 3e-08

	MEI1_CAEEL MEIOTIC SPINDLE FORMATION PROTEIN MEI-1 mei-1 * 0.000 CG14183 GH08353 76E3-76E4 dup:3/3 ID:60E12
CG16727	+ transporter * DMORCT2_2 Orct * putative organic cation transporter(aa) * 5e-40 Similarity to Rat organic cation transporter cDNA EST * 1e-39 OCTN3 [sugar_tr] CG16727 GH08275 94D3-94D3 dup:2/2 ID:60E3
CG18380	+ unknown * CG18380 GH08307 47A-47A dup:2/2 ID:60E5
0010000	+ Mgstl enzyme (Microsomal glutathione S-transferase-like) microsomal glutathione S-transferase-like protein [Drosophila
CG1742	melanogaster] >g MAPEG CG1742 GH08455 dup:1/2 ID:60F10
	+ enzyme * SUCCINYL-COA SYNTHETASE ALPHA CHAIN (SCS-ALPHA)(aa) * DMSUCCOAA Scs agr; * 9e-77
CG6255	SUCA_YEAST PROBABLE SUCCINYL-COA LIGASE (GDP-FORMING), ALPHA-CHAIN [SUCCINYL_COA_LIG_2 // ligase-CoA // SUC] CG6255 GH08383 92A6-92A6 dup:2/4 ID:60F3
CG6255	+ enzyme * spermidine synthase(aa) * SPERMIDINE SYNTHASE (PUTRESCINE AMINOPROPYLTRANSFERASE)
	(SPDSY)(aa) * 1e-77 SPEE_YEAST SPERMIDINE SYNTHASE (PUTRESCINE AMI [SAM_BIND // ATP_GTP_A] CG8327
CG8327	GH08387 85E2-85E2 dup:2/3 ID:60F4
	+ unknown * A_IG002N01.31 gene product(aa) * No definition line found(aa) * C44C1.2 gene product * CG8460 GH08401
CG8460	28F1-28F1 ID:60F5
CG7669	 unknown * [NLS_BP] CG7669 GH08407 91A-91A dup:1/2 ID:60F7 peptidase * carboxypeptidase D(aa) * CARBOXYPEPTIDASE PRECURSOR(aa) * * CpepE [CARBOXYPEPT_ZN_1 //
CG4678	+ peptidase * carboxypeptidase D(aa) * CARBOXYPEPTIDASE PRECURSOR(aa) * * CpepE [CARBOXYPEPT_ZN_1 // CARBOXYPEPT ZN 2 //] CG4678 GH08425 15A2-15A3 dup:2/3 ID:60F8
CG11656	+ unknown * CG11656 GH08448 87D9-87D9 dup:1/2 ID:60F9
0011000	+ ion_channel * 1e-35 VM106R.1 * 2e-06 (novel protein similar to and mouse, worm an * similar to TNF-alpha induced Protein
CG10830	B12 * similar to human tumor necrosis fac CG10830 GH08630 93A2-93A2 dup:1/2 ID:60G10
	+ cytoskeletal_structural_protein * Similarity to some phosphatases and kinases; cDNA EST comes from this gene(aa) * 2e-87
CG3138	Similarity to some phosphatases and kinases; cDNA ES[PX // RA_DOMAIN // BEM_DOMAIN] CG3138 GH08671 5B2-5B2 dup:1/2 ID:60G12
CG3136	+ 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
	+ loco signal_transduction * regulator of G-protein signalling LOCO C2(aa) * 6e-08 YTN3_CAEEL HYPOTHETICAL 33.0 KD
CG5248	PROTEIN C29H12.3 IN CHROMOSOME II (U * 6e-43 RGSE_MOUSE REGULA [GRK // RGS // NLS_BP] CG5248 GH08607 94B11-94C1 dup:1/3 ID:60G8
CG5246	+ 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
none	+ none GH08762 ID:60H10
	+ Lcch3 ion_channel * Lcch3 * GAB3_DROME GAMMA-AMINOBUTYRIC-ACID RECEPTOR BETA-LIKE SUBUNIT
0047000	PRECURSOR (GABA(A) * 1e-109 similar to GABA receptor * 1e-112 GAB3_MOUSE GAMM [neur_chan //
CG17336 CG14830	NEUROTR_ION_CHANNEL // NRI] CG17336 GH08705 13F13-13F13 ID:60H3 + * 1E-102* * CG14830 65E10-65E10 dup:2/3 ID:60H4
CG 14030	+ * 1E-102* * CG14830 65E10-65E10 dup:2/3 ID:60H4

	+ ligand_binding_or_carrier * DMC30B8 * retinaldehyde-binding protein 1(aa) * tocopherol (alpha) transfer protein (ataxia (Friedreich-like) with vitamin E deficiency)(aa) * 62D[CRETINALDHBP // CRAL TRIO] CG10237 GH08711 37E3-37E3 dup:2/3
CG10237	ID:60H5
CG17611	+ bgcn unknown * EUKARYOTIC TRANSLATION INITIATION FACTOR (EIF-6)(aa) * map_position:60A2+ * EUKARYOTIC TRANSLATION INITIATION FACTOR (EIF-6)(aa) * integrin beta bin CG17611 GH08760 60A4-60A4 dup:1/2 ID:60H9 + ninaA chaperone * DMNINAA_7 ninaA * PEPTIDYL-PROLYL CIS-TRANS ISOMERASE, RHODOPSIN SPECIFIC ISOZYME PRECURSOR (PPIASE) (ROTAMASE)(aa) * 4e-44 cyclophilin-related prot [pro_isomerase // CSA_PPIASE_1 // CSA_PP] CG3966
CG3966	GH08867 21D3-21D3 dup:1/3 ID:61A11
CC0246	+ unknown * hypothetical protein(aa) * cDNA EST comes from this gene; cDNA EST comes from thi
CG9246	from this gene; cDNA EST yk317d5.5 comes fro [NLS_BP] CG9246 GH08927 39B3-39B3 dup:1/2 ID:61B10
CG9445 CG13432	+ unknown * CG9445 42C7-42C7 dup:3/3 ID:61B11 + unknown CG13432 GH08941 dup:1/2 ID:61B12
CG 13432	+ unknown CG13432 GH08941 dup:1/2 ID:61B12 + 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
	+ chaperone * 1e-13 gene product * 1e-09 disulfide-like protein prote * [THIOREDOXIN_2] CG11790 GH08893 96B15-96B15
CG11790	dup:1/2 ID:61B4
	+ translation_factor * hypothetical translation initiation factor(aa) * HYPOTHETICAL 40.9 KD PROTEIN C01G10.9 IN
CG11334	CHROMOSOME V(aa) * 3e-66 YP18_YEAST HYPOTHETICAL 45.0 KD P [IF-2B] CG11334 GH08894 100C-100C dup:1/2 ID:61B5
CG12024	+ signal_transduction * 5e-25 BAW protein * * [NLS_BP] CG12024 GH08896 62E3-62E3 dup:1/2 ID:61B6
CG5406	+ sif signal_transduction (still life) Guanine-nucleotide dissociation stimulators CDC24 family signatur GRF_DBL, NLS_BP, PDZ, PH DOMAIN, PRO RIC] CG5406 GH08923 dup:1/2 ID:61B8
CG5406	+ 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
000047	+ 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:61C5
CG18404	+ unknown * CG18404 GH09039 99E5-99E5 dup:1/2 ID:61C7
CG7841	+ unknown * CG7841 GH09068 71C4-71C4 dup:1/2 ID:61D1
CG18452 CG6304	+ scro transcription_factor (scarecrow) homeobox protein Nkx2-1 homeobox CG18452 GH09166 dup:2/3 ID:61D10 + unknown * [NLS BP] CG6304 GH09088 36A14-36A14 dup:2/3 ID:61D2
CG6304 CG3987	
CG3901	+ unknown * CG3987 GH09123 88E4-88E5 dup:2/3 ID:61D3 + unknown * 5e-07 YNK8 YEAST HYPOTHETICAL 30.7 KD PROTEIN IN CYB5-LEU4 INTERGENIC REGION * 4e-46
CG13604	T07F12.1 gene product * 3e-09 Y33K_HUMAN HYPOTHETICAL 33.4 KD P [UBA // SH3] CG13604 GH09153 97F1-97F1 dup:2/4
30.000.	

ID:61D8

	10.0100
CG8508	+ unknown * CG8508 GH09161 87E2-87E2 dup:1/2 ID:61D9
	+ endopeptidase * TRYPSIN DELTA PRECURSOR(aa) * Ser12 * Ser6 * Dvtry-1 trypsin precusor(aa) [trypsin //
CG4653	CHYMOTRYPSIN // TRYPSIN_HIS] CG4653 GH09333 15A1-15A1 ID:61F1
	+ unknown * coded for by C. elegans cDNA cm16h1; coded for by C. elegans cDNA yk13a7.5; coded for by C. elegans cDNA
CG8919	yk13a7.3; similar to S. cerevisiae SAC3 pro [RBD] CG8919 GH09410 15E1-15E1 dup:2/3 ID:61F10
	+ endopeptidase * prolyl endopeptidase(aa) * 3e-06 PPCE_PIG PROLYL ENDOPEPTIDASE (POST-PROLINE CLEAVING
	ENZYME) (PE) * prolyl oligopeptidase (EC 3.4.21.26) - human [PROLIGOPTASE // Peptidase_S9 // ESTERAS] CG2528 GH09342
CG2528	40A6-40A6 dup:2/2 ID:61F2
none	+ none GH09355 ID:61F3
	+ Eip71CD enzyme * 6e-11 PMSR_YEAST PUTATIVE PEPTIDE METHIONINE SULFOXIDE REDUCTASE (PEPTIDE MET(O)
CG7266	REDUC * 1e-123 put. Eip (aa 1-255) * 2e-29 similar to drosophilia e CG7266 GH09363 71C4-71C4 dup:2/3 ID:61F4
CG10508	+ unknown * [WW_DOMAIN_2] CG10508 GH09378 78C4-78C4 dup:3/6 ID:61F6
	+ enzyme * DMCATHPO_2 Cat * CATALASE(aa) * 1e-110 CATA_YEAST CATALASE A catalase (EC 1.11.1.6), peroxisomal -
	* 1e-158 catalase (EC 1.11.1.6) - Caenorhabditis [CATALASE // catalase // CATALASE_1] CG9314 GH09387 29E4-29E4 dup:1/2
CG9314	ID:61F8
CG4302	+ CG4302 CG11051 GH09393 ID:61F9
CG4891	+ BG:DS04095.1 unknown * CG4891 GH09478 35F1-35F1 dup:1/2 ID:61G1
	+ nAcRalpha-96Ab ion_channel * DMARD1_2 nAcR bgr;-64B * DMNARAS nAcR bgr;-96A * DMDA2_2 nAcR agr;-96Ab *
	ACH2_DROME ACETYLCHOLINE RECEPTOR PROTEIN, ALPHA-LIKE CHAIN PRECU[NICOTINICR // neur_chan //
CG6844	NEUROTR_ION_] CG6844 GH09582 96A2-96A2 dup:1/3 ID:61G11
CG8403	+ SP2353 cell_adhesion agrin-like ATP_GTP_A, EGF, EGF_1, EGF_2, LAM_G_DOMA] CG8403 GH09608 dup:1/3 ID:61G12
	+ Pp1alpha-96A protein_phosphatase * DMPP113C_2 Pp1-13C * 1e-153 PP12_YEAST SERINE/THREONINE PROTEIN
000500	PHOSPHATASE PP1-2 pho * PP11_DROME SERINE/THREONINE PROTEIN PHOSPHATASE ALPHA-[PHOSPHO_ESTER //
CG6593	STPHPHTASE // SER_THR_] CG6593 GH09488 96A5-96A5 ID:61G3
	+ enzyme * sphingomyelin phosphodiesterase 1, acid lysosomal (acid sphingomyelinase)(aa) * SPHINGOMYELIN
CG3376	PHOSPHODIESTERASE PRECURSOR (ACID SPHINGOMYELINASE)(aa [PHOSPHO_ESTER // SAP_B] CG3376 GH09489 60C1-60C2 dup:2/5 ID:61G4
CG3376	+ 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
007109	+ enzyme * 7e-62 SYWM YEAST TRYPTOPHANYL-TRNA SYNTHETASE, MITOCHONDRIAL (TRYPTOPHANTRNA
	LIGASE) * 1e-60 SYWM CAEEL PROBABLE TRYPTOPHANYL-TRNA SYNTHETASE, MIT [TRNASYNTHTRP // tRNA-synt 1b //
CG7441	AA TRNA] CG7441 GH09538 75A4-75A4 dup:1/3 ID:61G8
- - · · · ·	+ 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
CG2204	+ G-oalpha47A signal_transduction GUANINE NUCLEOTIDE-BINDING PROTEIN G(O), ALPHA SUBUNIT (CLASS-I) >gi
	· • • • • • • • • • • • • • • • • • • •

	ATP_GTP_A, G-alpha, GPROTEINA, GPROTEINA] CG2204 GH09771 dup:3/4 ID:61H10
	+ 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
	+ unknown * 2e-13 YJT6_YEAST HYPOTHETICAL 36.2 KD PROTEIN IN UBP12-CDC6 INTERGENIC REGION * 8e-18
	YLF4_CAEEL HYPOTHETICAL 34.1 KD PROTEIN C40H1.4 IN CHROMOSOME CG9798 GH09808 82C1-82C2 dup:3/4
CG9798	ID:61H12
	+ enzyme * similar to pig tubulin-tyrosine ligase.(aa) * 4e-06 YBU4_YEAST HYPOTHETICAL 86.4 KD PROTEIN IN PHO5-
CG16833	VPS15 INTERGENIC REGION * 1e-76 similar to tubul CG16833 GH09663 32C5-34A5 dup:1/3 ID:61H3
	+ transcription_factor * 3e-05 HUNB_TRICA HUNCHBACK PROTEIN hunchback * 2e-06 DMHBG_10 hb * Hunchback protein
CG9932	* [zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG9932 GH09733 34A-34A dup:1/2 ID:61H6
CG17809	+ alpha-Man-I enzyme mannosyl-oligosaccharide 1,2-alpha-mannosidase GLYHDRLASE47 CG17809 GH09743 dup:1/2 ID:61H7
CG9312	+ unknown * [NLS_BP] CG9312 GH09754 87F13-87F13 dup:1/2 ID:61H8
	+ 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
	+ TBPH RNA_binding * map_position:60A5-6 * TAR-binding protein(aa) * TBPH * 2e-16 NAB4_YEAST NUCLEAR
	POLYADENYLATED RNA-BINDING PROTEIN NAB4 [RNP_1 // RBD // rrm // NLS_BP] CG10327 GH09868 60A5-60A6 dup:1/2
CG10327	ID:62A7
CG11074	+ unknown * [NLS_BP] CG11074 GH09884 42F2-42F2 ID:62A8
	+ * 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
CG1822	+ CG1822 dup:2/2 ID:62B10
	+ ligand_binding_or_carrier * 2e-68 62D9.a * 4e-10 cellular retinaldehyde-binding protein; CRALBP * 2e-15 alpha tocopherol
	transfer protein * 1e-15 TTPA_RAT ALPHA-TOCOPHEROL TRAN [CRETINALDHBP // CRAL_TRIO] CG3823 GH10083 5E1-5E1
CG3823	ID:62B11
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
CG4604	
CG6128	+ enzyme * alpha-L-fucosidase(aa) * fucosidase, alpha-L- 1, tissue(aa) * 8e-28 hypothetical protein YIL106w - yeast (Saccharomyces cerevisiae) * 4e-73 FUCO_CAE [Alpha_L_fucos // GLHYDRLASE29] CG6128 GH09976 68C4-68C5 ID:62B4
CG0120 CG2467	+ unknown * [PRO RICH // NLS BP] CG2467 GH09980 10F7-10F8 dup:2/2 ID:62B5
CG2407	+ unknown * similar to human 5'-nucleotidase * cytosolic IMP-GMP specific 5'-nucleotidase(aa) * CYTOSOLIC PURINE 5'-
CG6247	NUCLEOTIDASE(aa) * 1e-145 similar to human 5 [NLS_BP] CG6247 GH10029 17A11-17A11 ID:62B8
000271	+ metabolism * NADH-UBIQUINONE OXIDOREDUCTASE SGDH SUBUNIT PRECURSOR (COMPLEX I-SGDH) (CI-
CG9762	SGDH)(aa) * NADH dehydrogenase (ubiquinone) beta subcomplex, (16kD, SGDH) CG9762 GH10129 68F5-68F5 ID:62C1
000.02	2001./(day 1.7.101.7.1.000.7.1.000 (doing into 10) bota odboomplox, (101.0, 0001.1) 0001.02.0110120.001.0101.0201

CG1697	 unknown * DMRHO_2 ve * RHOMBOID PROTEIN (VEINLET PROTEIN)(aa) * 5e-32 similar to transmembrane of D. 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
000000	+ unknown * similar to several putative T1/ST2receptor binding protein precursors(aa) * 3e-14 EM24_YEAST ENDOSOMAL
CG9308	P24B PROTEIN PRECURSOR (24 KD ENDOMEMBRANE P [EMP24_GP25L] CG9308 GH10235 58B9-58B9 ID:62C9 + chaperone * 5e-06 YB05_YEAST HYPOTHETICAL 44.1 KD PROTEIN IN RPB5-CDC28 INTERGENIC REGION * 1e-10
CG6980	Hsp70/Hsp90 organizing protein homolog * 1e-08 coded for by C. [TPR REGION] CG6980 GH10293 98E1-98E1 ID:62D2
CG0900	+ enzyme * 5e-18 4-nitrophenylphosphatase (EC 3.1.3.41) - yeast (Saccharomyces cerevisiae) * 1e-10 by content; 1-meth *
CG5577	1e-24 YMQ1 CAEEL HYPOTHETICAL 88.1 KD P CG5577 GH10306 75A4-75A4 ID:62D3
CG9164	+ enzyme * protein(aa) * * CG9164 GH10344 13C5-13C5 ID:62D5
CG6130	+ unknown * CG6130 GH10346 90E4-90E4 ID:62D6
	+ 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
CG18069	+ CaMKII protein_kinase proline rich calmodulin-dependent protein kinase PROTEIN_KINASE_DOM, pkinase CG18069 ID:62D9
CC12701	+ 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 + motor_protein * 2e-05 cellular myosin heavy chain * 8e-07 myosin heavy chain, neuronal - rat * 1e-05 Klp68D * myosin heavy
CG4681	chain IIb CG4681 GH10544 60D6-60D6 dup:2/2 ID:62E11
004001	+ 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
	+ 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
	+ ligand_binding_or_carrier * 1e-22 YBE9_YEAST HYPOTHETICAL 16.1 KD PROTEIN IN SEC17-QCR1 INTERGENIC
CG15309	REGION * 8e-21 putative zinc-binding protein melanogaste * 1e-18 No definitio CG15309 GH10478 9B6-9B6 dup:2/2 ID:62E4
CG11191	+ unknown * CG11191 GH10486 43F9-43F9 dup:2/2 ID:62E6
	+ tafazzin unknown * 2e-17 hypothetical protein YPR140w - yeast (Saccharomyces cerevisiae) (* 4e-39 ZK809.2 * 1e-59 tafazzin TAFAZZIN * 2e-40 Similar to tafazzins prote [GLYCEROL_ACYLTRANS // TAFAZZIN] CG8766 GH10529 49C1-49C1 dup:2/2
CG8766	ID:62E9
CG16979	+ unknown * 3e-61 F38A5.1 gene product * 1e-40 putative protein * CG16979 GH10640 71D3-71D3 ID:62F11
0010070	and the second of the second o

CG10433	+ * [PRENYLATION] CG10433 57F3-57F3 dup:4/5 ID:62F12
	+ ligand_binding_or_carrier * 2e-16 alpha tocopherol transfer protein * 1e-15 TTPA_RAT ALPHA-TOCOPHEROL TRANSFER
CG13848	PROTEIN (ALPHA-TTP) al * tocopherol (alpha) transfer protein (ata [CRAL_TRIO] CG13848 GH10582 96E1-96E1 ID:62F2
	+ enzyme * DMHISSEAC_3 Rpd3 * histone deacetylase mHDA1(aa) * histone deacetylase HDA2(aa) * histone deacetylase,
	shares sequence similarity with Rpd3p, Hos1p [LECTIN_LEGUME_BETA // Hist_deacetyl] CG1770 GH10588 11E1-11E3 dup:1/3
CG1770	ID:62F3
CG2267	+ transcription_factor * CG2267 100A2-100A2 dup:2/2 ID:62F6
	+ signal_transduction * protein(aa) * 1e-31 Sec7p * 2e-76 similar to S. cerevisiae protein transport protein SEC7 * 1e-38
CG10577	cytohesin [SEC7 // Sec7 // NLS_BP] CG10577 GH10594 78B1-78B1 dup:1/2 ID:62F7
	+ DNA_binding * 2e-05 ROX1_YEAST ROX1 REPRESSOR (HYPOXIC FUNCTION REPRESSOR) (HEME-DEPENDENT
	REPRESSIO * 7e-14 bobby sox * 4e-30 similar to HMG box transcription fa [LIPOCALIN // HMG // HMG_box // PRO_RICH]
CG5067	CG5067 GH10633 95A4-92D9 ID:62F8
	+ acj6 DNA_binding * DMIPOU_2 acj6 * POU domain transcription factor(aa) * INHIBITORY POU PROTEIN (I-POU)
	(ABNORMAL CHEMOSENSORY JUMP PROTEIN)(aa) * 1e-152 PP12_YEAST SE [HOMEOBOX_1 // homeobox // HOMEOBOX_2
CG9151	//] CG9151 GH10637 13C1-13C4 ID:62F9
	+ unknown * 1e-36 predicted using Genefinder; Similarity to Human leukocyte surface * 7e-22 CD63_MOUSE CD63 ANTIGEN
	CD63/ME491 antigen homolog - mou * 3e-44 tet [transmembrane4 // TMFOUR // TM4_2] CG10742 GH10778 3A9-3A9 dup:1/2
CG10742	ID:62G10
	+ metabolism * xylulokinase (H. influenzae) homolog(aa) * xylulose kinase(aa) * xylulokinase(aa) * HYPOTHETICAL 60.3 KD
CG3544	PROTEIN R08D7.7 IN CHROMOSOME III(aa) [FGGY] CG3544 GH10780 21E1-21E1 ID:62G11
	+ enzyme * similar to chitin synthases(aa) * 9e-13 CHS3_YEAST CHITIN SYNTHASE (CHITIN-UDP ACETYL-
CG2666	GLUCOSAMINYL TRANSFERASE 3) * 8e-06 hyaluronan synthase * 8e- CG2666 GH10726 83A5-83A5 ID:62G3
	+ transporter * 1e-21 putative organic cation transporter * 1e-08 similar to C. elegans protein and to rat synaptic vesicle protein
CG4462	(PIR:S3 * 3e-14 organic cation t CG4462 GH10729 92B9-92B10 ID:62G4
none	+ none GH10751 ID:62G7
	+ chaperone * 6e-06 cargo selection protein TIP47 * placental protein 17b1; PP17b1 * adipose differentiation-related protein *
CG10374	2e-06 cargo selection protein TIP47 [NLS_BP] CG10374 GH10767 95B8-95B9 ID:62G9
	+ cell_adhesion * DMARTAN_7 trn * kek1 * tartan protein(aa) * 5e-16 CYAA_YEAST ADENYLATE CYCLASE (ATP
CG11280	PYROPHOSPHATE-LYASE) (ADENYLYL CYCLASE) [LRR // LEURICHRPT // LRRCT] CG11280 GH10871 69F5-69F5 ID:62H10
CG17564	+ unknown * 7E-86* * CG17564 GH10882 37D3-37D3 ID:62H12
CG7029	+ motor_protein * CG7029 GH10817 94C8-94D dup:2/5 ID:62H3
	+ enzyme * similar to plant chloroplast and prokaryotic carbonic anhydrases(aa) * 2e-63 similar to plant chloroplast and
CG11967	prokaryotic carbonic anhydrases * 2e-1 [Pro_CA] CG11967 GH10821 85C3-85C3 ID:62H4
	+ ninaC motor_protein * DMNINAC_2 ninaC * ligand binding or carrier calmodulin binding) protein kinase protein serine/threonine
	kinase) cell non-muscle myosin) map posit [myosin head // PROTEIN KINASE TYR // IQ] CG5125 GH10824 27F5-27F6
CG5125	ID:62H5

	+ enzyme * intermediate chain 1(aa) * nm23-H7(aa) * NUCLEOSIDE DIPHOSPHATE KINASE (NDK) (NDP KINASE)(aa) * 1e-
CG8362	06 type nucleoside diphosphate kinase NM23-H6 CG8362 GH10857 85E4-85E4 ID:62H9
	+ transporter * 3e-29 ITR2_YEAST MYO-INOSITOL TRANSPORTER myo-inositol transp * 1e-24 glucose transporter 1;
	CeGT1 * 9e-22 Contains similarity to Pfam domain: (suga [SUGRTRNSPORT // SUGAR_TRANSPORT_1 // SU] CG1213 GH10929
CG1213	83C4-83C4 dup:1/3 ID:63A7
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 66E6-66E6
CG5288	ID:63B10
	+ enzyme * similarity to enoyl CoA hydratase. Amino terminus shows similarity to acyl-CoA binding domains; cDNA EST
CG13890	comes from this gene; cDNA EST comes from [ECH // NLS_BP] CG13890 GH11143 61D4-61D4 ID:63B12
	+ transcription_factor * 9e-06 TBP-like factor * 9e-06 TATA box binding protein-related factor * CG9879 GH11020 23A3-23A3
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
	+ endopeptidase * serine protease 18D(aa) * 1e-34 SNAK_DROME SERINE PROTEASE SNAKE PRECURSOR serine
	proteina * 1e-15 kallikrein * 1e-22 coagulation factor XI [trypsin // CHYMOTRYPSIN // TRYPSIN_SER] CG11841 GH11046 98F9-
CG11841	98F10 dup:2/2 ID:63B4
	+ unknown * 6e-05 transducer * 6e-05 chemotactic transducer * [VWA_DOMAIN] CG16868 GH11109 56F16-56F16 dup:1/2
CG16868	ID:63B9
	+ 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
	+ unknown * 2e-15 YHC1_YEAST HYPOTHETICAL 53.1 KD PROTEIN IN SPO11-OPI1 INTERGENIC REGION * 1e-44
CG14630	similar to gamma-butyrobetaine,2-oxoglutarate dioxygenase; cDN CG14630 GH11273 1E1-1E1 ID:63C11
	+ Rack1 signal_transduction * Rack1 * GUANINE NUCLEOTIDE-BINDING PROTEIN BETA SUBUNIT-LIKE PROTEIN
007444	(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
	+ enzyme * gamma-aminobutyric acid transaminase(aa) * PROBABLE 4-AMINOBUTYRATE AMINOTRANSFERASE,
007400	MITOCHONDRIAL PRECURSOR (GAMMA-AMINO-N-BUTYRATE TRANSAMINASE) CG7433 GH11161 76E2-76E2 dup:1/4
CG7433	ID:63C3
000000	+ 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
004000	+ unknown * 1e-37 Contains similarity to Pfam domain: (zf-C3HC4), Score=13.0 * 9e-33 nicotinic acetylcholine receptor-
CG1909	associated 46K protein - mouse (J03 * 5e-3 [TPR_REPEAT // ZF_RING] CG1909 GH11191 102C5-102C5 dup:1/3 ID:63C6
0044000	+ PebIII ligand_binding_or_carrier * PebIII * 2e-48 ejaculatory bulb specific protein III * 2e-31 chemosensory protein CSP-sg1 *
CG11390	olfactory protein CG11390 GH11257 60B1-60B1 ID:63C9

CG12605	 transcription_factor * scrt * Similarity to Drosophila scratch neuronal zinc-finger transcription factor * 9e-05 RIM1 * 7e-73 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 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
CG6647	dup:2/3 ID:63D2
0047440	+ unknown * 1e-16 ERS1_YEAST TRANSMEMBRANE PROTEIN ERS1 (ERD SUPPRESSOR) ER * 6e-39 similarity to the transmembranous domains of yeast ERS1 protein; c * 5e-76 c [TONB_DEPENDENT_REC_1] CG17119 GH11342 94D12-94D12
CG17119	ID:63D3
CG18418	 unknown * CG18418 GH11346 65A10-65A10 ID:63D4 jim transcription_factor * stripe a/b protein - fruit fly (Drosophila melanogaster)(aa) * zinc finger protein/embryonic muscle
	development-related transcriptional re[ZINC_FINGER_C2H2 // zf-C2H2 // ZINC_FIN] CG11352 GH11419 79F3-79F3 dup:3/3
CG11352	ID:63D8
001.002	+ Dynein heavy chain at 93AB motor_protein DYNEIN BETA CHAIN, CILIARY ATP_GTP_A, MITOCH_CARRIER, NLS_BP,
CG3723	THIOL] CG3723 GH11420 ID:63D9
	+ EG:25E8.1 chaperone * Similarity to HSP70's.; cDNA EST CEESD26F comes from this gene; cDNA EST CEMSB16F comes from
000040	this gene; cDNA EST CEMSB16FB comes from this gene; cDN [HEATSHOCK70 // HSP70 // HSP70_3] CG2918 GH11566 2F1-
CG2918	2F2 dup:2/2 ID:63E12
CG6441	+ unknown * CG6441 GH11511 28A1-28A1 dup:2/2 ID:63E3
CG12638	+ CG12638 GH11525 dup:2/2 ID:63E7
CG3971	+ unknown * cold inducible glycoprotein 30(aa) * 5e-15 SUR4 * 8e-53 YYS3_CAEEL HYPOTHETICAL 51.5 KD PROTEIN IN CHROMOSOME IV (U * 2e-49 membrane glycoprotein CI CG3971 GH11554 73B1-77B1 dup:2/2 ID:63E9
003971	+ 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
	+ 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
	+ cytoskeletal_structural_protein * DMTUBA1_2 agr;Tub84B * 1e-117 TBA1_YEAST TUBULIN ALPHA-1 CHAIN tubulin alpha-
CG7794	1 chain * 1e-132 TBA1_DROME TUBULIN ALPHA-1 CHAIN tubulin alpha-1 chain [tubulin] CG7794 GH11574 90D2-90D2 ID:63F2
CG3306	+ unknown * CG3306 GH11578 67B9-67B9 ID:63F3
CG8167	+ receptor * 5e-05 LIRP_LOCMI LIRP PRECURSOR (LOCUSTA INSULIN-RELATED PEPTIDE) * * [INSULIN // Insulin // NLS BP] CG8167 GH11579 67C-67C ID:63F4
CG8167 CG1324	= 1
CG1324 CG16959	+ unknown * [ATP_GTP_A] CG1324 GH11587 19E3-19E3 ID:63F6 + unknown * [EGF 2] CG16959 GH11627 71B2-71B2 dup:2/2 ID:63F7
CG 10959	+ unknown * [EGF_2] CG16959 GH11627 71B2-71B2 dup:2/2 ID:63F7

	+ 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
	+ grh transcription_factor * DMELF1_2 grh * transcription factor NTF1 - fruit fly (Drosophila melanogaster) (fragment) * 1e-22
CG5058	alpha-globin transcription factor CP2 - mouse * 9e [NLS_BP] CG5058 GH11672 54F1-54F4 ID:63G1
	+ RNA_binding * putative RNA-binding protein(aa) * Wbscr1(aa) * 7e-05 NSR1_YEAST NUCLEAR LOCALIZATION
004040	SEQUENCE BINDING PROTEIN (P67) * 2e-13 RNA recognition motif-t [RNP_1 // RBD // rrm // NLS_BP] CG1340 GH11731 100A-
CG1340	100A dup:2/2 ID:63G10
CC44020	+ motor_protein * 3e-08 hook1 protein * p230 peripheral membrane pr * autoantigen, subfamily a, > * CG14039 GH11749
CG14039	25C3-25C3 dup:1/4 ID:63G11
	+ Sin3A transcription_factor * 3e-58 SIN3_YEAST PAIRED AMPHIPATHIC HELIX PROTEIN regulatory * transcription factor * 2e-
CG8815	31 cDNA EST comes from this gene; cDNA EST co * 1e-135 co-r [ATPASE_ALPHA_BETA // NLS_BP] CG8815 GH11769 49B2-49B3 dup:1/2 ID:63G12
CG0013	+ 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
CG14355	+ unknown * CG14355 GH11706 88A12-88B1 ID:63G5
CG18107	+ unknown * 1e-10 immune induced protein * 0.00000000002* 1E-141* CG18107 GH11719 55C9-55C9 ID:63G6
CG11404	+ unknown * CG11404 GH11730 79E-79E ID:63G9
CG11404	+ Nacalphaunknown * 4e-13 EGD2_YEAST EGD2 PROTEIN EGD2 protein - yeast (Saccharomyc * 5e-73 alpha NAC * 1e-34 alpha
CG8759	NAC/1.9.2. protein alpha-NAC, non-musc * 1e-34 Nasce CG8759 GH11940 49C2-49C2 dup:2/2 ID:63H12
000,00	+ unknown * 1e-06 ectodermal (ect) - fruit fly (Drosophila melanogaster) (strain Oregon-R) * * [NLS_BP] CG6611 GH11838
CG6611	67D2-67D2 ID:63H3
	+ enzyme * DNA-DIRECTED RNA POLYMERASE II KD POLYPEPTIDE (RNA POLYMERASE II SUBUNIT 5)(aa) *
CG6572	polymerase (RNA) II (DNA directed) polypeptide G(aa) * 7e-33 RPB7_ [S1] CG6572 GH11867 88E8-88E8 ID:63H5
none	+ none GH11889 ID:63H7
	+ BcDNA:GH07066 enzyme * 8e-47 PLSB_CAEEL PROBABLE GLYCEROL-3-PHOSPHATE ACYLTRANSFERASE PRECURSOR
	(GPAT) * 6e-77 PLSB_MOUSE GLYCEROL-3-PHOSPHATE ACYLTRANSFERASE PRECURSOR (G [GLYCEROL_ACYLTRANS]
CG5508	CG5508 GH11892 98B2-98B2 dup:2/2 ID:63H8
	+ 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
CG10286	+ unknown * CG10286 GH12023 83E6-83E6 dup:1/2 ID:64A12
	+ gbb signal_transduction * DM60AP * 60A PROTEIN PRECURSOR(aa) * 9e-17 contains similarity to the TGF-beta family of
	growth factors e * 3e-52 BMP7_MOUSE BONE MORPHOGENETIC PROT [TGFb_propeptide] CG5562 GH12092 60A5-60A5
CG5562	ID:64B10
007000	+ 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

CG7886	 signal_transduction * 2e-15 IP63 protein * * CG7886 GH12083 88C10-88C10 ID:64B9 unknown * 1e-10 cDNA EST yk471b2.5 comes from this gene; cDNA EST yk471b2.3 come * * CG4742 GH12140 15A5-
CG4742	15A5 ID:64C2
CG4261	+ Hel89B DNA_binding * TBP-associated factor 172(aa) * Hel89B * 89B helicase(aa) * MOT1_YEAST PROBABLE HELICASE MOT1 MOT1 protein - yeast (S [helicase_C // SNF2_N] CG4261 GH12153 89B3-89B3 dup:1/2 ID:64C3
	+ unknown * 6e-05 transmembrane protein * 2e-12 Similarity to C.elegans cuticulin (SW:CUT1_CAEEL) * 7e-07 DMDUSKY_1
CG3541	dy * similar to cuticlin CG3541 GH12163 60D7-60D8 dup:1/2 ID:64C4
	+ emc transcription_factor * DNA-binding protein inhibitor Id-1H - human(aa) * EXTRA-MACROCHAETAE PROTEIN(aa) *
004007	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
	+ unknown * 8e-42 YMS5 CAEEL HYPOTHETICAL 159.2 KD PROTEIN K03H1.5 IN CHROMOSOME III * 8e-17 alpha
CG15560	tectorin * 2e-16 tectorin alpha alpha-tectorin * 1e-15 alpha CG15560 GH12365 100B8-100B8 ID:64D8
CG4375	+ unknown * CG4375 GH12486 21E2-21E2 dup:2/2 ID:64E10
	+ cytoskeletal_structural_protein * putative protein transport protein sec7 homolog(aa) * DmCDS(aa) * pleckstrin and Sec7
	domain protein(aa) * PROTEIN TRANSPORT [SPECTRINPH // PH // SEC7 // Sec7 // MIT] CG6941 GH12441 94B10-94B10
CG6941	dup:2/2 ID:64E4
000005	+ EG:100G10.1 unknown * SH3 domain-binding protein SNP70(aa) * by content; by match; LD Drosophila melanogaster(aa) *
CG2685	8e-06 WW domain binding protein * [PRO_RICH // NLS_BP] CG2685 GH12462 3B5-3B5 dup:3/3 ID:64E6 + * membane-type metalloproteinase precursor(aa) * MATRIX METALLOPROTEINASE-14 PRECURSOR (MMP-14)
	(MEMBRANE-TYPE MATRIX METALLOPROTEINASE 1) (MT-MMP 1) [Peptidase M10 // hemopexin // ZINC PROT] CG1794
CG1794	45F6-46A1 dup:4/5 ID:64E7
331131	+ transporter * protein(aa) * DMATPA_2 Atp agr; * SODIUM/POTASSIUM-TRANSPORTING ATPASE ALPHA CHAIN
	(SODIUM PUMP) (NA+/K+ ATPASE)(aa) * BLASTX 3.4E-17 Rat alternativ [NAKATPASE // HATPASE // CATATPASE // E1]
CG7651	CG7651 GH12627 79F3-79F3 ID:64F10
	+ signal_transduction * 5e-23 VP27_YEAST VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS27 * 3e-10
	/match=(desc:; /ma * 9e-65 coded for by C. elegans cDNA yk21d11.3; coded [FYVE_DOMAIN // FYVE // HRS_DOMAIN] CG2903
CG2903	GH12653 23A6-23A7 ID:64F12
	+ enzyme * DMPAH Hn * 1e-114 phenylalanine hydroxylase * 1e-117 tryptophan hydroxylase * 1e-149 TR5H_MOUSE
CG9122	TRYPTOPHAN 5-MONOOXYGENASE (TRYPTOPHAN 5-HYDROXYLASE [FYWHYDRXLASE // biopterin_H // BIOPTERI] CG9122 GH12537 61F3-61F3 ID:64F2
CG9122	+ unknown * hypothetical protein * 1E-162* hypothetical protein * hypothetical protein, 5' partial [S5A_REDUCTASE] CG6282
CG6282	GH12549 68C1-68C1 dup:3/4 ID:64F4
CG11146	+ signal_transduction Shb=Src homology 2 protein ANTIFREEZEI, SH2 CG11146 ID:64F5
-	-

	+ nucleic_acid_binding * 2e-11 coded for by C. elegans cDNA yk98h8.3; coded for by C. elegans cDNA yk98h8.5 * *
CG14682	CG14682 GH12580 86C2-86C2 ID:64F6
CG14821	+ unknown * [PRO_RICH] CG14821 GH12583 65D5-65D5 ID:64F7
	+ 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
	+ transporter * cellutagmin I sytVI - rat(aa) * DMPKC53E_2 inaC * DMSYT_2 syt * 4e-40 SY65_DROME SYNAPTOTAGMIN
CG3020	(P65) synaptotagmin - fruit fly ([SYNAPTOTAGMN // C2 // C2_DOMAIN_2 // PR] CG3020 GH12656 71A3-71A4 ID:64G1
CG3982	+ unknown * CG3982 GH12755 67B3-67B3 dup:2/2 ID:64G10
	+ enzyme * 2e-61 wunen * 1e-24 YSX3_CAEEL HYPOTHETICAL 39.0 KD PROTEIN T28D9.3 IN CHROMOSOME II (U2 * 6e-
CG11426	35 Phosphatidic acid phosphatase * 5e-36 phosphatidic [PA_PHOSPHATASE] CG11426 GH12758 79E4-79E4 ID:64G11
	+ RNA_binding * BLASTX 2.0E-34 Arabidopsis thaliana Col-O putative RNA helicase A mRNA, complete cds.(dna) *
	DMMLE_2 mle * 1e-79 hypothetical protein YLR419w - yeas [PROTEIN_SPLICING // G_PROTEIN_RECEPTOR] CG9323
CG9323	GH12763 38E5-38E5 ID:64G12
00400=4	+ unknown * 3e-08 probable membrane protein YLR251w - yeast (Saccharomyces cerevisiae) * 1e-08 /match=(desc: * 3e-15
CG10854	PMP2_MOUSE KD PEROXISOMAL MEMBRANE PROTEIN CG10854 GH12661 64C4-64C4 ID:64G2
005075	+ 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
000005	+ 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
CC17500	+ 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 + endopeptidase * DMEAST_4 ea * serine proteinase(aa) * 1e-09 easter * 5e-07 anticoagulant protein C [trypsin //
CG17837	TRYPSIN_CATAL] CG17837 GH12831 92F5-92F5 dup:2/2 ID:64H6
CG17637	+ protein_phosphatase * DMPP1A1_2 Pp1 agr;-96A * serine-threonine protein phosphatase(aa) * type 1-related protein
	phosphatase(aa) * 1e-110 PP12_YEAST SERINE/THREONINE PR[PHOSPHO_ESTER // STPHPHTASE // SER_THR_] CG10138
CG10138	GH12873 58B9-58B9 ID:65A1
CG13918	+ unknown * CG13918 GH13002 62A-62A ID:65A12
CG7634	+ unknown * [TPR_REPEAT] CG7634 GH12875 78E2-78E2 dup:2/2 ID:65A2
007001	+ protein_kinase * 5e-06 DRK_DROME PROTEIN E(SEV)2B (SH2-SH3 ADAPTOR PROTEIN DRK) * 1e-05 SEM5_CAEEL
CG8179	SEX MUSCLE ABNORMAL PROTEIN sem-5 protein - * 9e-12 stac * 6e-13 s [SH3] CG8179 GH12942 52A2-52A4 dup:1/2 ID:65A6
	+ 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
	+ structural_protein * 9e-09 cuticle protein LCP65Ac cuticle p * 2e-11 CUD4_LOCMI ENDOCUTICLE STRUCTURAL
	GLYCOPROTEIN (ABD-4A) g * 1e-10 Lcp65Ac * cuticle homolog [CUTICLE // insect_cuticle] CG8511 GH12964 49A3-49A3
CG8511	ID:65A9

	+ enzyme * NADH-UBIQUINONE OXIDOREDUCTASE KD SUBUNIT PRECURSOR (COMPLEX I-49KD) (CI-49KD)(aa) *
004070	BLASTX 2.1E-17 Bovine mRNA fragment for kDa subunit of mitochon [COMPLEX1_49K // complex1_49Kd] CG1970 GH13128
CG1970	102C5-102C5 dup:2/3 ID:65B10
CG11509	+ unknown * CG11509 GH13132 2B6-2B6 ID:65B11
CG7549	+ unknown * [HTH_LACI_FAMILY] CG7549 GH13023 84F-84F ID:65B2
	+ protein_kinase * serine/threonine kinase(aa) * predicted using Genefinder; Similarity to Arabidopsis serine/threonine protein
000444	kinase (PIR Acc. No. cDNA EST comes f [PROTEIN_KINASE_ST // TYRKINASE // PROTE] CG6114 GH13047 72A5-72B1
CG6114	ID:65B6
CG5253	+ DNA_binding * putative chromatin structure regulator(aa) * HYPOTHETICAL PROTEIN IN REGION E(aa) * TEX PROTEIN(aa) * similar to hypothetical proteins(aa) [NLS_BP] CG5253 GH13080 94B10-94B11 ID:65B8
CG5253 CG6123	
	·
CG18065	 unknown * CG18065 GH13245 57A8-57A8 ID:65C11 transcription_factor * Pcaf SPTR(aa) * CREB-BINDING PROTEIN(aa) * HAT A1(aa) * 5.9 kb fsh membrane protein(aa)
CG7229	[BROMODOMAIN_2 // BROMODOMAIN_1 // bromo] CG7229 GH13144 56C-56C ID:65C2
CG1229	+ unknown * FLAGELLAR RADIAL SPOKE PROTEIN 4(aa) * radial spokehead(aa) * 9e-13 predicted using Genefinder; similar
CG3121	to Sugar transporter; cDNA EST * 5e-55 radia [ER_TARGET] CG3121 GH13165 60A16-60A16 dup:1/2 ID:65C3
CG2209	+ unknown * CG2209 GH13175 11D3-11D3 ID:65C5
002200	+ unknown * No definition line found(aa) * 4e-06 probable membrane protein YPR091c - yeast (Saccharomyces cerevisiae) *
CG5741	6e-43 No definition line found * 3e-05 h CG5741 GH13177 66E4-66E4 ID:65C6
	+ enzyme * 5e-49 IDH1_YEAST ISOCITRATE DEHYDROGENASE (NAD), MITOCHONDRIAL SUBUNIT PRECURSOR (IS *
CG3483	6e-57 IDHA_CAEEL PROBABLE ISOCITRATE DEHYDROGENASE (NAD), MIT [isodh] CG3483 GH13226 60D2-60D2 ID:65C9
	+ enzyme * 2e-20 alpha-alpha-trehalase * 1e-102 similar to family gylcosyl hydrolases; most similar to trehalase * 1e-124
	TREA_HUMAN TREHALASE PRECURSOR (ALPHA [Trehalase // TREHALASE_1 // GLHYDRLASE3] CG9364 GH13461 57B20-
CG9364	57C dup:4/4 ID:65D10
CG14889	+ structural_protein * [COLLAGEN_REP // Collagen] CG14889 GH13492 92A1-92A1 dup:1/2 ID:65D11
	+ * ribokinase(aa) * ribokinase RbsK(aa) * DMC115C2 * 1e-71 /match=(desc:; /ma [pfkB // PRO_RICH // RIBOKINASE]
CG17010	CG17010 33D3-33D3 dup:2/2 ID:65D12
	+ sax transmembrane_receptor * DMTVP_2 tkv * DMBKR4A_2 sax * 9e-13 NRK1_YEAST SERINE/THREONINE-PROTEIN
004004	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
CG6903	+ unknown * CG6903 GH13389 4D1-4D1 ID:65D4
	+ unknown * conserved protein(aa) * 1e-133 YP65_CAEEL HYPOTHETICAL 81.5 KD PROTEIN IN CHROMOSOME II (U2 *
000040	1e-125 YYAL_BACSU HYPOTHETICAL 78.8 KD PROTEIN IN TET [CARBOXYPEPT_ZN_2] CG8613 GH13403 50F6-50F6
CG8613	ID:65D5

+ enzyme * 4e-09 YGX7_YEAST HYPOTHETICAL 108.2 KD PROTEIN IN SAP4-OST5 INTERGENIC REGION * 3e-06

	DEAD-box protein * 8e-43 predicted using Genefinder; similar t [SPRY_DOMAIN // PHOSPHOPANTETHEINE // SP] CG11763 GH13409 47A7-47A7 dup:3/3 ID:65D6
	+ RpP2 ribosomal_protein * DMRP21C_2 RpP2 * 60S ACIDIC RIBOSOMAL PROTEIN P1 (RP21C) (ACIDIC RIBOSOMAL
	PROTEIN RPA2)(aa) * 5e-14 acidic ribosomal protein P1.e.A, cytosolic - ye [60s_ribosomal // RIBOSOMALP2] CG4087 GH13422
CG4087	21C2-21C2 dup:3/3 ID:65D7 + enzyme * 1-PYRROLINE-5-CARBOXYLATE DEHYDROGENASE (P5C DEHYDROGENASE)(aa) * UNKNOWN(aa) *
	Similar to aldehyde dehydrogenase; coded for by C. elegans cDNA cm1 [aldedh // NLS_BP] CG6670 GH13449 93F-93F10 dup:2/2
CG6670	ID:65D9
CG17108	+ * cdc2MsC(aa) * cdc2MsC * CG17108 32A-32A dup:4/4 ID:65E10
000=00	+ cytoskeletal_structural_protein * 2e-47 dystrophin * 1e-117 unnamed protein product * 1e-143 dystrobrevin dystrobrevin * 1e-
CG8529	143 dystrobrevin B [ZF_ZZ // ZZ // CYTOCHROME_C] CG8529 GH13689 49A6-49A7 dup:2/2 ID:65E12 + cell_adhesion * bt * 3e-17 projectin * 6e-18 twitchin - Caenorhabditis elegans twitchin * 1e-14 protein-tyrosine-phosphatase
	(EC 3.1.3.48), receptor type sigma pr[FNTYPEIII // RIBOSOMAL_S2_1 // PRO_RICH] CG4668 GH13550 36A6-36A6 dup:3/3
CG4668	ID:65E2
	+ 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
CG6296	+ enzyme * peritrophin-95 precursor(aa) * 4e-29 triacylglycerol lipase (EC 3.1.1.3) precursor, pancreatic - mouse * 2e-29 lipase * 7e-31 pdb 1BU8 Rat Pancrea [DOLALLERGEN // TAGLIPASE // ESTERASE //] CG6296 100D1-100D1 dup:2/2 ID:65E4
000290	+ Pka-C3 protein_kinase * PROTEIN KINASE DC2(aa) * DMDC2_2 Pka-C3 * 5e-88 cAMP-dependent protein kinase subunit (put.);
CG6117	putative * 2e-99 KAPC_CAEEL CAMP-DEPENDENT PROTEIN KIN CG6117 GH13608 72B1-72B2 dup:3/3 ID:65E5
CG18227	+ CG18227 dup:2/2 ID:65E6
	+ Cyp4e1 cytochrome_P450 * cytochrome P450, Cyp4e2 - fruit fly (Drosophila melanogaster) (U5 * 6e-79 predicted using Genefinder; similar to cytochrome P450 * 3e-50 CYP4B1 [EP450II // p450 // P450 // MITP450 // C] CG2062 GH13635 44C1-44C2
CG2062	dup:2/2 ID:65E8
002002	+ transporter * furosemide-sensitive K-Cl cotransporter(aa) * BLASTX 7.2E-55 Rattus furosemide-sensitive K-Cl cotransporter
	(KCC2) mRNA, complete cds.(dna) * 6e-49 [AMINO_ACID_PERMEASE_2 // KCLTRNSPORT] CG5594 GH13642 60A9-60A10
CG5594	dup:4/5 ID:65E9
CG1314	 unknown * CG1314 GH13802 19E4-19E4 ID:65F10 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
0047000	+ unknown * 3e-07 serine rich protein * SERA_ENTHI SERINE-RICH KD ANTIGEN PROTEIN (SHEHP) (SREHP) * merozoite
CG17022	protein Bb-1 - Babesia bovis (fragment) * CG17022 GH13755 30B10-30B10 ID:65F5 + BcDNA:GH06032 transporter * DSERCA_2 Ca-P60A * 1e-158 ATC6_YEAST PROBABLE CALCIUM-TRANSPORTING ATPASE
	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

CG5198	+ unknown * SMC2orf(aa) * CD2 antigen (cytoplasmic tail)-binding protein 2(aa) * 1e-08 YHV6_YEAST HYPOTHETICAL 40.4 KD PROTEIN IN SPO16-REC104 INTERGENIC REGIO CG5198 GH13760 33D1-33D1 ID:65F7
CG3690	+ unknown * 9e-05 glucose transport protein homolog - Caenorhabditis elegans * 2e-14 protein * 2e-14 transporter-like protein p87 * predicted using Genefinder; [sugar_tr] CG3690 GH13765 1D1-1D1 ID:65F8
CG3690	+ unknown * 4e-14 probable membrane protein YOL084w - yeast (Saccharomyces cerevisiae) * 1e-103 protein * 6e-17
CG11210	hypothetical protein * 3e-54 inserted at base Bo CG11210 GH13794 44A4-44A4 ID:65F9 + endopeptidase * INSULIN-DEGRADING ENZYME (INSULYSIN) (INSULINASE) (INSULIN PROTEASE)(aa) * DMD1DE_2
	Ide * 2e-63 STE23 protein - yeast (Saccharomyces cerevisiae) Ste [Peptidase_M16 // INSULINASE] CG2025 GH13968 10F2-10F2
CG2025	ID:65G10
CG8683	+ signal_transduction * cDNA EST comes from this gene; cDNA ES
CG6676	+ cell_adhesion * coded for by C. elegans cDNA yk9a2.5; coded for by C. elegans cDNA yk9a2.3; similar to fibrinogen-like protein A precursor(aa) * 3(aa) * FIBRINOGEN [FIBRIN_AG_C_DOMAIN // fibrinogen_C] CG6676 GH13859 58C2-58C2 ID:65G3
CG0070	+ enzyme * putative dehydrogenase(aa) * GLYCERATE DEHYDROGENASE (NADH-DEPENDENT HYDROXYPYRUVATE
CG9331	REDUCTASE) (HPR) (GDH) (HYDROXYPYRUVATE DEHYDROGENASE) (GLYOXYL [D_2_HYDROXYACID_DH_3 // 2-Hacid_DH] CG9331 GH13879 38E9-38E9 ID:65G4
CG9331	+ transporter * transmembrane transporter - electric ray (Discopyge ommata)(aa) * 1e-09 HXT3_YEAST LOW-AFFINITY
CG3168	GLUCOSE TRANSPORTER HXT3 hexose t * 2e-14 putative o [SUGAR_TRANSPORT_1 // SUGAR_TRANSPORT_2] CG3168 GH13883 6C9-6C10 ID:65G5
	+ 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
CG9438 CG15390	ID:65G9 + unknown * CG15390 GH14074 22E-22E ID:65H11
CG 15390	+ unknown * CG15390 GH14074 22E-22E ID:65H11 + peptidase * AMINOPEPTIDASE N (MICROSOMAL AMINOPEPTIDASE) (MEMBRANE GLYCOPROTEIN H11)(aa) *
005045	aminopeptidase N homolog(aa) * 5e-88 aminopeptidase yscII * 5e-97 Sim [ALADIPTASE // Peptidase_M1] CG5845 GH14075
CG5845	93F6-93F6 dup:2/2 ID:65H12 + structural_protein * nuclear pore protein; Seh1p(aa) * similar to WD domain, G-beta repeat (2 domains); cDNA EST
CG8722	yk258d4.3 comes from this gene; cDNA EST yk338d5.3 comes [GPROTEINBRPT // WD40] CG8722 GH14024 43F9-43F9 ID:65H2
CG3372	 unknown * CG3372 GH14065 60C1-60C1 ID:65H8 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
CG3184	+ chaperone * hypothetical protein(aa) * 3e-22 YB96_YEAST HYPOTHETICAL 43.3 KD PROTEIN IN ALG7-ENP1 INTERGENIC REGION * WD-40 repeat protein * [WD40_REGION // WD40] CG3184 GH14157 6C7-6C7 ID:66A12
003104	+ 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

CG8043	+ DNA_binding * component of CCR4 transcriptional complex; Caf17p(aa) * putative protein(aa) * Similarity to S.pombe hypothetical protein C21E11.07 (SW:YAL7 SCHPO CG8043 GH14121 85B-85B ID:66A7
CG6043	+ peptidase * ALANINE/ARGININE AMINOPEPTIDASE(aa) * HYPOTHETICAL ZINC AMINOPEPTIDASE YIL137C(aa) *
	protein(aa) * aminopeptidase-like protein(aa) [ALADIPTASE // Peptidase_M1 // ZINC_PROT] CG1009 GH14158 62A5-62A5
CG1009	dup:1/2 ID:66B1
CG4416	+ transcription_factor ZINC_FINGER_C2H2, ZINC_FINGER_C2H2_2, zf] CG4416 GH14307 dup:2/3 ID:66B10
CG9264	+ transporter * CG9264 GH14216 39A6-39A7 ID:66B5
	+ Gs2 enzyme * GLUTAMINE SYNTHETASE 2, CYTOPLASMIC (GLUTAMATEAMMONIA LIGASE 2)(aa) * GLUTAMINE
CG1743	SYNTHETASE (GLUTAMATEAMMONIA LIGASE)(aa) * glutamine synthetase [GLNA_1 // gln-synt // GLNA_ATP] CG1743 GH14412 10B13-10B14 dup:1/2 ID:66C10
none - noe ger	·
none - noe ger	+ Sox14 DNA_binding * DMDSOX14 Sox14 * putative(aa) * POP-1 PROTEIN(aa) * SOX-2(aa) [HMG // HMG_box // NLS_BP]
CG3090	CG3090 GH14320 60A14-60A14 dup:1/3 ID:66C2
	+ unknown * 2e-05 CU19_LOCMI CUTICLE PROTEIN (LM-19) (LM-ACP 19) Lm-ACP1 * * [GRAM_POS_ANCHORING //
CG9665	insect_cuticle] CG9665 GH14349 73D-73D6 ID:66C3
	+ jar motor_protein * DMMHC95F Mhc95F * 1e-116 MYS4_YEAST MYOSIN-4 ISOFORM myosin MYO4 - yeast (Saccharo *
CG5695	MYS9_DROME MYOSIN HEAVY CHAIN 95F (95F MHC) myosin heavy * sim [myosin_head // IQ // MYOSINHEAVY // NLS] CG5695 GH14351 95F-95F ID:66C4
CG10097	+ Brassica napus 'male sterility protein 2' EMBL:X99922 CG10097 ID:66C5
0010097	+ actin_binding * DMRCPA_X kel * protein(aa) * [BTB // KELCHREPEAT // Kelch] CG3571 GH14381 87A-87A dup:2/2
CG3571	ID:66C6
CG11871	+ unknown * CG11871 GH14385 86A1-86A1 ID:66C8
	+ unknown * predicted trithorax protein(aa) * INTEGRAL MEMBRANE PROTEIN DGCR2/IDD PRECURSOR (SEIZURE-
CG4285	RELATED MEMBRANE-BOUND ADHESION PROTEIN)(aa) * BLASTX 7.0E [RCC1_2] CG4285 GH14388 90D1-90D1 ID:66C9
	+ ligand_binding_or_carrier * 5e-13 DKA1_YEAST DKA1 PROTEIN (NSP1 PROTEIN) (TFS1 PROTEIN) DKA * 3e-44
CG17919	OBA5_DROME PUTATIVE ODORANT-BINDING PROTEIN A5 PRECURSOR (ANTENNAL PROTEIN 5 [PBP] CG17919 GH14494 83E-83E ID:66D10
CG9813	+ unknown * [ATPASE ALPHA BETA] CG9813 GH14502 87E8-87E9 dup:1/2 ID:66D11
000010	+ receptor * LOW-DENSITY LIPOPROTEIN RECEPTOR PRECURSOR (LDL RECEPTOR 1)(aa) * low density lipoprotein
	receptor-related protein 7(aa) * LDL receptor member LR3(a [LDLRA_2 // LDLRECEPTOR // EGF_2] CG8909 GH14506
CG8909	13F10-13F12 ID:66D12
0044700	+ 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:66D2
none	 none GH14469 ID:66D6 translation_factor * HYPOTHETICAL 64.2 KD PROTEIN R08D7.3 IN CHROMOSOME III(aa) * UNKNOWN(aa) * elF3
CG4810	p66(aa) * 9e-98 putative elongation initation factor subunit CG4810 GH14470 87B5-87B5 ID:66D7
334010	poolaa, 30 00 palatito diongation intation labanit 30 40 10 01 11 44 10 01 00 10.0001

	+ enzyme_activator * 2e-40 inserted at base Both 5' and 3' ends of P element Inverse PCR * * [EF_HAND_2] CG3565
CG3565	GH14476 60D8-60D8 ID:66D8
CG8332	+ CG8332 dup:3/5 ID:66D9
CG7084	+ transporter * DMORCT2_2 Orct * organic cation transporter(aa) * Similarity to Rat organic cation transporter cDNA EST 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 + enzyme * GCSP_YEAST GLYCINE DEHYDROGENASE (DECARBOXYLATING) PRECURSOR (GLYCINE DECARBOXY *
CG3999	similar to glycine dehydrogenase * GCSP_HUMAN GLYCINE DEHYDROGEN CG3999 GH14537 85F16-85F16 dup:2/2 ID:66E3
CG9321	+ unknown * [ATP_GTP_A] CG9321 GH14542 29E4-29E4 dup:3/3 ID:66E4
	+ unknown * 2e-24 cDNA EST CEMSE83F comes from this gene; cDNA EST comes * * CG16791 GH14545 93D6-93D6
CG16791	dup:3/3 ID:66E5
CG6265	+ endopeptidase * phosphate regulator(aa) * endothelin converting enzyme, ECE=putative zinc-binding metalloprotease aortic endothelial cells, Peptide, * Similarity t CG6265 GH14576 97E2-97E3 dup:2/2 ID:66E8
CG9469	+ unknown * [PRO RICH // NLS BP // ATP GTP A] CG9469 GH14660 42E1-42E1 dup:2/3 ID:66F10
009409	+ 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
0010200	+ 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
	+ endopeptidase * similar to the M13 or zinc metalloprotease family of peptidases(aa) * endothelin converting enzyme 1(aa) *
	endothelin converting enzyme-2 - bovine [CNMP_BINDING_2 // NEPRILYSIN // PRENYLA] CG9507 GH14621 28D1-28D1
CG9507	ID:66F3
CG1394	+ unknown * CG1394 GH14622 10A11-10A11 ID:66F4
	+ transporter * UDP-galactose transporter related(aa) * 4e-18 probable membrane protein YPL244c - yeast (Saccharomyces
CG5802	cerevisiae) * 2e-16 No definition line found CG5802 95F1-95F1 dup:2/3 ID:66F5
	+ cell adhesion * 4e-06 UNC-89 * 6e-05 VGR2 MOUSE VASCULAR ENDOTHELIAL GROWTH FACTOR RECEPTOR
CG7607	PRECURSOR (VEGFR-2) (PR * 1e-05 protein tyrosine phosphatase, receptor t [ig] CG7607 GH14648 68A8-68A8 ID:66F6
	+ signal_transduction * cAMP-dependent Rap1 guanine-nucleotide exchange factor(aa) * HYPOTHETICAL 139.4 KD
	PROTEIN T20G5.5 IN CHROMOSOME III(aa) * 2e-07 KAPR_YEAST [cNMP_binding // RasGEF // DEP_DOMAIN //] CG3427
CG3427	GH14655 42C4-42D1 dup:2/3 ID:66F8
CG12699	+ unknown * CG12699 GH14656 54B7-54B7 ID:66F9
	+ enzyme * 2e-15 FOX2_YEAST PEROXISOMAL HYDRATASE-DEHYDROGENASE-EPIMERASE (HDE)
	(MULTIFUNCTIONAL * 4e-14 3-hydroxyacyl-CoA dehydrogenase type II * 3e-42 strong [GDHRDH // adh_short] CG3603 GH14791
CG3603	3C5-3C5 ID:66G11
	+ enzyme * Ac76E * type VIII adenylyl cyclase - human(aa) * Ac35C * ADENYLATE CYCLASE, TYPE VIII (ATP
	PYROPHOSPHATE-LYASE) (CA(2+)/CALMODULIN ACTIVATED ADENYLY [guanylate_cyc // GUANYLATE_CYCLASES_2]
CG5983	CG5983 GH14744 36A2-36A2 ID:66G6

CG10226	+ 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 GH14758 65A7-65A7 ID:66G7
CG10220 CG11960	
CG11900	 unknown * [NLS_BP] CG11960 GH14769 56D8-56D8 dup:1/2 ID:66G8 transcription_factor * ZINC-FINGER PROTEIN (ZINC-FINGER HOMEODOMAIN PROTEIN 1)(aa) * DMDROSOPH_4 wdn * transcriptional repressor(aa) * DMBTDGN_2 btd [zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG8591 GH14774 65F4-65F4
CG8591	ID:66G9
CG9137	+ unknown * CG9137 GH14903 61F4-61F4 ID:66H10
CG18314	+ unknown * CG18314 GH14918 64B9-64B9 dup:1/3 ID:66H11
	+ 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
CG8285	+ boss G_protein_linked_receptor * DMBRSEVM_5 boss * BOSS_DROME BRIDE OF SEVENLESS PROTEIN PRECURSOR (X558 * 4e-06 CELF35-1 * 2e-07 Unknown gene product CG8285 GH14887 96F9-96F9 dup:2/2 ID:66H8
CG4972	+ * cDNA EST yk335d8.5 comes from this gene; cDNA EST yk335d8.3 comes from this gene(aa) * 2e-23 cDNA EST yk335d8.5 comes from this gene; cDNA EST yk335 CG4972 31D7-31D8 dup:2/2 ID:67A10
004972	+ endopeptidase * Ypl125wp(aa) * possible RanBP7-importin-beta-Cse1p superfamily(aa) * 1e-36 hypothetical protein
CC0040	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 transporter * 1e-09 myo-inositol transporter * 5e-13 GTRL_DROME GLUCOSE TRANSPORTER-LIKE PROTEIN glucose transpo * 1e-08 Similar to sugar transporter; coded for b [N4_MTASE // SUGRTRNSPORT // SUGAR_TRANS] CG3285 GH15136
CG3285	25A1-25A1 ID:67B12
	+ chaperone * similar to chaperonins cpn60 and TCP-1 (Pfam: cpn60_TCP1.hmm, score: 416.20 and 102.94)(aa) * Cytoplasmic chaperonin subunit gamma; Cct3p(aa) * chap [TCP1_1 // TCP1_2 // TCP1_3 // TCOMPLEXT] CG7033 GH15038
CG7033	8C13-8C13 dup:2/2 ID:67B3
CG2505	+ alpha-Est2 enzyme * alpha esterase(aa) * agr;-Est2 * carboxylesterase MdaE7(aa) * alpha esterase [CHOLNESTRASE // ESTERASE // COesterase] CG2505 GH15053 84D6-85A3 ID:67B5
	+ electron_transfer * CYTOCHROME B5 (CYTB5)(aa) * 3e-17 cytochrome b5 * 1e-25 Similarity to Human cytochrome b5 (SW:CYB5_HUMAN); cDNA EST EMBL:D * 2e-30 CYB5_MOUSE CY[CYTOCHROME_B5 // CYTOCHROMEB5 // CYTOCH]
CG2140	CG2140 GH15091 43D-43D dup:3/3 ID:67B9
CG18369	+ unknown * CG18369 GH15231 50B9-50B9 ID:67C11
	 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
CG11459	+ endopeptidase * cathepsin L-like protease precursor(aa) * cysteine proteinase 1(aa) * cathepsin H(aa) * Cp1 [PAPAIN // Peptidase_C1 // THIOL_PROTEAS] CG11459 GH15170 83E1-83E1 ID:67C4
	•

CG4232	+ CG4232 58F2-58F2 dup:1/2 ID:67D1
00 1202	+ transcription_factor * chromatin structural protein homolog Supt5hp(aa) * suppressor of Ty (S.cerevisiae) homolog(aa) * 9e-
CG7626	59 SPT5_YEAST TRANSCRIPTION INITIATION PROTEIN CG7626 GH15359 56D7-56D7 dup:4/5 ID:67D10
	+ And ligand_binding_or_carrier * similar to calmodulin-like protein.(aa) * Homo sapiens(aa) * CALMODULIN(aa) * Eip63F-1
CG17769	[efhand // EF_HAND_2] CG17769 GH15245 99D1-99D1 ID:67D2
CG1999	+ unknown * CG1999 GH15272 7A4-7A4 ID:67D3
	+ 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
	+ Scp1 ligand_binding_or_carrier * calcium-binding protein alpha-a chain - penaeid shrimp (Penaeus sp.)(aa) * Scp1 * 5e-94
CG15848	calcium-binding protein * 2e-43 SCPB_PENSP SARCOPLASMIC CALC CG15848 GH15296 cyto_unknown ID:67D6
	+ th apoptosis_inhibitor * DMDIAP1X_3 th * APOPTOSIS INHIBITOR (INHIBITOR OF APOPTOSIS 1) (DIAP1) (THREAD
0040004	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
000464	+ pn signal_transduction * PRUNE protein(aa) * DMPRUNEG_2 pn * 1e-16 PPX1_YEAST EXOPOLYPHOSPHATASE
CG3461	(METAPHOSPHATASE) exopolyph * PRUNE protein CG3461 GH15456 2E1-2E1 dup:2/2 ID:67E10
CG18437	+ unknown * CG18437 GH15426 98A6-98A6 dup:2/2 ID:67E2
	+ enzyme * 1e-12 FOX2_YEAST PEROXISOMAL HYDRATASE-DEHYDROGENASE-EPIMERASE (HDE) (MULTIFUNCTIONAL * 0.000000000000002* 2e-26 predicted using Genefinder; Similar [GDHRDH // adh_short // ADH_SHORT]
CG17121	CG17121 GH15451 94D12-94D12 dup:2/2 ID:67E8
0017121	+ 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
CG8420	+ * [ER TARGET] CG8420 85D2-85D3 dup:3/3 ID:67F12
CG12142	+ unknown * [TMFOUR] CG12142 GH15469 42E-42E ID:67F2
CG14178	+ CG14178 GH15480 ID:67F6
0011170	+ 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
	+ transcription_factor * ash1 * polybromo protein - chicken(aa) * DMFSHA_2 fs(1)h * similar to HMG (high mobility group) box,
	Bromodomain (5 domains), Zinc finger, C2H2 [BROMODOMAIN_2 // BAH // HMG // HMG_box] CG11375 98E1-98E1 dup:1/2
CG11375	ID:67G4
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) *
CG11316	p85SPR(aa) * 9e-07 YHA2_YEAST HYPOTHETICAL 51. [P67PHOX // SH3DOMAIN // SH3] CG11316 GH15696 100A7-100B

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 motor protein * 6e-31 tektin * 3e-54 testicular tektin B1-like protein * 4e-52 tektin B1 * tektin A1 - sea urchin CG3085 (Strongylocentrotus purpuratus) [TEKTIN] CG3085 GH15825 59C3-59C3 dup:2/4 ID:68A12 CG7742 unknown * [TBC // RAB GAP] CG7742 GH15768 25C9-25C9 ID:68A4 ligand binding or carrier * antennal binding protein X(aa) * Pbprp1 * 3e-06 PBP1 DROME PHEROMONE-BINDING PROTEIN-RELATED PROTEIN PRECURSOR (PBPRP-1) * 4e-08 Pbprp1 [PBP GOBP] CG8462 GH15777 56E5-56E5 ID:68A5 CG8462 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 metabolism * 7e-06 UCRQ HUMAN UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX UBIQUINONE-BINDING CG7580 PROTEIN * 7e-10 ubiquinol--cytochrome-c reductase (EC 1.10.2.2) 9.5K pr CG7580 GH15942 74C3-74C3 ID:68B10 enzyme * Chain A, Crystal Structure Of Recombinant Human Brain Hexokinase Type I Complexed With Glucose And Glucose-6-Phosphate(aa) * hexokinase-like protei [HEXOKINASES // hexokinase // HEXOKINASE] CG5443 GH15883 100A5-CG5443 97B2 ID:68B3 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 CG12558 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 domain, Fibrinogen beta and gamma chains, C-te * 1e-145 o[LDLRA 2 // vwd // EGF 1 // EGF 2 // CTC] CG7002 GH15913 70C4-CG7002 70C4 dup:2/3 ID:68B8 CG16820 unknown * CG16820 GH15921 34A11-34A11 dup:2/2 ID:68B9 enzyme * DMACOASYN 2 AcCoAS * 6e-96 ACS1 YEAST ACETYL-COENZYME A SYNTHETASE (ACETATE--COA LIGASE 1) (ACYL-ACTIVATI * 1e-81 acetyl-CoA synthetase - fruit fly [AMP-binding] CG6432 GH15945 98B1-98B1 dup:1/2 CG6432 ID:68C1 cytoskeletal structural protein * 8e-19 protein * sorting nexin * Y254 HUMAN HYPOTHETICAL PROTEIN KIA * CG1514 [BEM_DOMAIN // GRK] CG1514 GH16154 7C8-7C8 ID:68C11 CG14891 unknown * CG14891 GH16156 92A1-92A1 ID:68C12 + ninaE * DMOPSA 2 ninaE * OPS1_DROME OPSIN RH1 (OUTER R1-R6 PHOTORECEPTOR CELLS OPSIN) * 1e-06 serotonin receptor * 1e-35 OPSX MOUSE VISUAL PIGMENT-LIKE REC [OPSINRH1RH2 // GPCRRHODOPSN // OPSIN //] CG4550 CG4550 92B8-92B9 dup:1/5 ID:68C2 CG14477 unknown * CG14477 54B16-54B17 ID:68C6 ion channel * DMARD1 2 nAcR bgr;-64B * nicotinic acetylcholine receptor alpha subunit(aa) * DMALSR 4 nAcR agr;-96Aa * 9e-63 similar to neuronal acetylcholine rec [NICOTINICR // neur chan // NEUROTR ION] CG8109 GH16126 18C3-18C3

transporter * K05B2.5 gene product(aa) * 1e-13 YKW1 YEAST HYPOTHETICAL 52.3 KD PROTEIN IN FRE2 5'REGION *

CG8109

CG8468

ID:68C7

	2e-82 /match=(desc:; /ma * 1e-40 predicted using Genefin CG8468 GH16148 50E-50E7 dup:2/5 ID:68C9
	+ 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
CG15279	GH16161 35B7-35B7 ID:68D1
CG17349	+ unknown * E04F6.2 gene product(aa) * 1E-130* CG17349 GH16267 37D6-37D7 ID:68D11
	+ Ace enzyme * DMACHE_5 Ace * cell growth and maintenance acetylcholine catabolism) cell growth and maintenance
	carbamate resistance) cell growth and maintenance [CHOLNESTRASE // ESTERASE // COesterase] CG17907 GH16177 87E3-
CG17907	87E3 dup:2/2 ID:68D2
	+ unknown * 1e-109 weak similarity to Bacillus and Pseudomonas probable glucarate transporters (G * 2e-06 conserved
CG1358	hypothetical protein * 2E-46* C05G5.1 CG1358 GH16188 43E3-43E4 dup:2/2 ID:68D3
007007	+ cell_adhesion * 7e-56 strong similarity to rat integral membrane glycoprotein GP120 precursor (SP:P116 * 4e-18 protein * 1e-
CG7897	95 GP21_RAT INTEGRAL MEMBRANE GLYCOPROTE CG7897 GH16206 41F-41F dup:4/6 ID:68D5
CC11100	+ * ZRP protein(aa) * 4e-10 hypothetical protein YDR299w - yeast (Saccharomyces cerevisiae) (U * 3e-26 ZRP protein * 2e-06 inserted at base Both 5' and [NLS_BP] CG11188 27A1-27A1 dup:2/2 ID:68D6
CG11188	+ unknown * 5e-08 myosin phosphatase, target subunit (A * 1e-07 PP1M M21 subunit=protein phosphatase 1M kda regulatory
CG5600	subunit * myosin phosphatase, target subu CG5600 GH16214 72D3-72D4 dup:2/4 ID:68D7
CG3000	+ drongo signal_transduction * drongo * 9e-25 Drongo * 4e-12 HIV-1 Rev binding protein NUCLEOPO * 1E-151 [ArfGap // ZF_GCS
CG3365	// REVINTRACTNG] CG3365 GH16240 21D2-21E3 dup:2/2 ID:68D8
00000	+ transporter * predicted using Genefinder; Similarity to E.coli long-chain-fatty-acid-CoA ligase cDNA EST comes from this
CG17999	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	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
CG11715	GH16320 10B15-10B17 dup:2/2 ID:68E2
CG18111	+ unknown * 4e-10 male-specific protein * * CG18111 GH16332 99B-99B dup:2/2 ID:68E4
000507	+ motor_protein * receptor-associated protein(aa) * 9e-14 predicted using Genefinder; Similarity to Human alpha-2-
CG8507	macroglobu * 2e-16 heparin binding protein * 5e-18 CG8507 GH16343 86D1-86D1 dup:3/3 ID:68E5
	+ protein_kinase * protein kinase C, mu(aa) * DMPKC98F_2 Pkc98E * protein kinase C, mu(aa) * 6e-42 DUN1_YEAST DNA DAMAGE RESPONSE PROTEIN KINASE DUN1 protei [DAG PE BINDING DOMAIN // PROTEIN KINASE] CG7125 GH16373
CG7125	90F8-90F9 dup:3/3 ID:68E7
CG/ 125	+ endopeptidase * chymotrypsin-like serine protease(aa) * TRYPSIN DELTA PRECURSOR(aa) * DMEAST_4 ea * Ser6
CG9672	[trypsin // CHYMOTRYPSIN // TRYPSIN_CATA] CG9672 GH16384 15A2-15A2 dup:2/2 ID:68E9
000012	+ * 3e-30 No definition line found * 5e-48 SCF complex protein Skp2 * 1e-42 S-phase kinase-associated protein (p45) cyclin
CG9772	A/CDK2-associate * YKK7 CAEE FBOX DOMAIN CG9772 ID:68F1
CG12191	+ cell adhesion * 8e-05 adhesion molecule L1.1 * * [ig] CG12191 GH16485 61D4-61D4 ID:68F12
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CG4767	+ BG:DS02252.2 cytoskeletal_structural_protein * 2e-48 tektin * 2e-34 testicular tektin B1-like protein * 3e-59 tektin A1 - sea urchin (Strongylocentrotus purpuratus) * tektin C1 [TEKTIN] CG4767 GH16413 35E-35E ID:68F2
CG4767	
	+ signal_transduction * (putative) small GTPase, similar to Gtr1; Gtr2p(aa) * yeast gtr2 homolog, novel small GTPase subfamily protein(aa) * homologous to the yeast YGR163 [CRYSTALLIN BETAGAMMA // ATP GTP A] CG8707 GH16429 44B-
CG8707	
CG8/0/	44B ID:68F3 + unknown * 9e-36 by content; 1-meth * 1e-43 YS15 CAEEL HYPOTHETICAL 41.1 KD PROTEIN IN CHROMOSOME II * 1e-
CC2001	
CG3881	42 Sqv-8-like protein * 7e-47 UDP-glucuronyltransfera CG3881 GH16433 30C2-30C2 ID:68F5
004750	+ * ribosomal protein L27 homolog(aa) * 7e-26 RL27_YEAST PROBABLE 60S RIBOSOMAL PROTEIN L27 ribosomal p * 5e-
CG4759	27 RL27_CAEEL 60S RIBOSOMAL PROTEIN L27 rib [RIBOSOMAL_L27E // NLS_BP] CG4759 96E10-96E10 dup:2/2 ID:68F8
	+ BcDNA:GH02712 motor_protein * BLASTX 8.9E-08 YOL155C Protein with similarity to S. cerevisiae glucan 1,4-alpha-
000000	glucosidase(dna) * BLASTX 2.5E-06 P.falciparum interspersed repeat [PRO_RICH] CG2088 GH16490 43E5-43E6 dup:1/3
CG2088	ID:68G1
CG15068	+ CG15068 GH16622 ID:68G10
000100	+ unknown * 5e-07 YM62_CAEEL HYPOTHETICAL 23.2 KD PROTEIN K12H4.2 IN CHROMOSOME III * 5e-09 YBEB_ECOLI
CG9166	HYPOTHETICAL 11.6 KD PROTEIN IN MRDA-PHPB INTERGENIC REGI CG9166 GH16625 61F8-61F8 ID:68G11
	+ Pug enzyme * Pug * C1TM_YEAST C-1-TETRAHYDROFOLATE SYNTHASE MITOCHONDRIAL PRECURSOR (C1-THF
004007	SYNTHAS * C1-THF synthase homolog * Contains similarity to Pfam doma [THF_DHG_CYH_2 // THFDHDRGNASE // FTHFS]
CG4067	CG4067 GH16587 86C2-86C2 dup:2/2 ID:68G5
	+ RNA_binding * pit * 2e-78 SPB4_YEAST ATP-DEPENDENT RRNA HELICASE SPB4 RNA helicase S * 2e-69 helicase
000000	pitchoune * 8e-87 YOQ2_CAEEL PUTATIVE ATP-DEPENDENT RNA HELI [helicase_C // HELICASE // DEAD // NLS_B] CG9630 GH16590 84F-84F ID:68G6
CG9630	+ ligand_binding_or_carrier * FGF intracellular binding protein(aa) * FGF-1 intracellular binding protein * CG8660 GH16593
CG8660	76D3-76D3 ID:68G7
CG8000	+ * 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
0011310	+ 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
none	 none GH16763 ID:68H11 enzyme * pharbin(aa) * 7e-35 YNK6 YEAST HYPOTHETICAL 133.3 KD PROTEIN IN CYB5-LEU4 INTERGENIC REGION *
CG10426	2e-31 /match=(desc:; /ma * 4e-17 similar to Inositol p [IPPc // PRENYLATION] CG10426 GH16681 69A3-69A3 ID:68H4
CG 10426	
0045400	
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
004004	+ enzyme * GLUTATHIONE S-TRANSFERASE YRS-YRS (GST 12-12) (GLUTATHIONE S-TRANSFERASE SUBUNIT 12)
CG1681	(CLASS-THETA)(aa) * glutathione S-transferase theta 2(aa) * 5e- [GST] CG1681 GH16740 11F1-11F1 ID:68H9

CG11064	+ RfaBp unknown * retinoid- and fatty acid-binding glycoprotein * 1e-15 C. elegans vitellogenin precursor, vit-5 (Spieth et al., NAR * 4e-07 prepro-vWF (aa -22 to 137 [vwd // Vitellogenin_N // NLS_BP] CG11064 GH18004 102F4-102F4 ID:70A10
007500	+ 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
CG8278	+ enzyme * 1e-05 cyclophilin Dicyp-2 * * [PRENYLATION] CG8278 GH17930 44F2-44F2 ID:70A2
00000	+ 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
CG4983	+ DNA_repair_protein * CG4983 GH17939 33A5-33A5 ID:70A4
000000	+ enzyme * MALEYLACETOACETATE ISOMERASE (MAAI)(aa) * glutathione transferase zeta 1(aa) * 6e-50 similar to
CG9363	glutathione S-transferase * 3e-05 GTC_MOUSE GLUTATHI [GST] CG9363 GH17960 85D18-85D18 ID:70A5
	+ tko ribosomal_protein * 2e-21 YN8K_YEAST PUTATIVE 40S MITOCHONDRIAL RIBOSOMAL PROTEIN YNR036C * 2e-76
CG7925	RT12_DROME MITOCHONDRIAL 40S RIBOSOMAL PROTEIN S12 PRECURSOR (TECHNICA [RIBOSOMAL_S12 //
CG7925	Ribosomal_S12 // RIBOS] CG7925 GH17961 3A2-3A2 ID:70A6 + 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
0017220	+ 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
	+ enzyme * 3e-53 Weak similarity to Potato alcohol dehydrogenase (SW:ADH_SULSO); cD * 7e-06 QOR_MOUSE QUINONE
CG1600	OXIDOREDUCTASE (NADPH:QUINONE REDUCTASE) (ZETA-CR [adh_zinc] CG1600 GH18014 43D3-43D3 ID:70B1
CG3492	+ chaperone * [CSA_PPIASE_2 // PRENYLATION] CG3492 GH18016 60D2-60D2 ID:70B2
CG3835	+ EG:87B1.3 actin_binding * * alkylglycerone phosphate synthase precursor(aa) * DMC87B1 CG3835 GH18028 2D4-2D6 ID:70B4
	+ Gad1 enzyme * DCE_DROME GLUTAMATE DECARBOXYLASE (GAD) glutamate decarbo * 1e-163 predicted using
	Genefinder; similar to Pyridoxal-dependent decar * 1e-169 67kD g [DDC_GAD_HDC_YDC // pyridoxal_deC] CG14994 GH18029
CG14994	64A5-64A7 ID:70B5
CG18403	+ very low density lipoprotein receptor - mouse CG18403 ID:70B7
	+ unknown * Ynl288wp(aa) * hypothetical protein(aa) * protein involved in sexual development(aa) * 2e-61 YN28_YEAST
CG9573	HYPOTHETICAL 41.2 KD PROTEIN IN PLC1-SEC21 CG9573 GH18039 29F8-29F8 ID:70B8
	+ BcDNA:GH06717 transporter * OLIGOPEPTIDE TRANSPORTER, KIDNEY ISOFORM (PEPTIDE TRANSPORTER 2) (KIDNEY
00000	H+/PEPTIDE COTRANSPORTER)(aa) * OLIGOPEPTIDE TRANSPORTER, KIDNEY ISOFORM (P [PTR2 // PTR2_1 // PTR2_2]
CG2930	CG2930 GH18049 4A1-4A1 dup:2/3 ID:70B9
0040400	+ * 2e-09 SUR4_YEAST SUR4 PROTEIN (SRE1 PROTEIN) SUR4 protein - yea * 2e-13 predicted using Genefinder; similar to
CG12138	GNS1/SUR4 family; cDNA EST * 3e-12 MU [NLS_BP] CG12138
CG6614	+ unknown * [TPR_REGION // NLS_BP // ATP_GTP_A] CG6614 GH18077 33A5-33A5 ID:70C2
CG15444	+ ine neurotransmitter_transporter * ine * DMROSA_2 rosA * neurotransmitter transporter * 1e-119 Similarity to Human Na(+)/Cl(-)-dependent GABA transporter (SW:NTG [NANEUSMPORT // SNF] CG15444 GH18083 24F6-24F6 ID:70C4
CG 13444)-dependent GADA transporter (SW.NTG [NAINEUSWIFORT // SINF] CG 13444 GF10003 24F0-24F0 ID.70C4

	+ enzyme_inhibitor * RNase L inhibitor (clone 8) - human(aa) * probable membrane protein YDR091c - yeast (Saccharomyces
	cerevisiae) * 3e-07 P-glycoprotein/multidrug resi [fer4 // ATP_GTP_A2 // ABC_TRANSPORTER /] CG5651 GH18088 66E5-66E5
CG5651	ID:70C5
	+ function_unknown * 4e-66 probable membrane protein YLL031c - yeast (Saccharomyces cerevisiae) * 2e-53 No definition
CG12263	line found * 4E-86* 2e-63 ORF YLL031c CG12263 GH18119 55C11-55C11 dup:1/2 ID:70C6
	+ 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 (D [ATP_GTP_A] CG14813
CG14813	GH18123 2B12-2B13 ID:70C8
0014010	+ peptidase * 5e-60 putative metalloprotease; Method: conceptual translation supplied by author * 1e-23 coded for by C.
CG8196	elegans cDNA yk27b10.3; coded for by C. el [PEPDIPTASEA // Peptidase_M2] CG8196 GH18145 45A6-45A6 ID:70D1
	+ 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
0040000	+ msta unknown * /match=(desc:(aa) * map_position:2E3 * 7e-06 t-BOP * 5e-13 putative Bop-like zinc finger protein CG18033
CG18033	GH18166 2E2-2E2 dup:2/2 ID:70D4 + * NADP-dependent isocitrate dehydrogenase(aa) * 1e-148 IDHP_YEAST ISOCITRATE DEHYDROGENASE (NADP),
CG7176	MITOCHONDRIAL PRECURSOR (OXALOSUCCIN * 1e-180 simil [IDH_IMDH // isodh] CG7176 66C8-66C8 dup:3/4 ID:70D6
007170	+ actin_binding * protein(aa) * Similarity to Drosophila ring canal protein cDNA EST comes from this gene; cDNA EST comes
CG15097	from this gene(aa) * 1e-116 kelch protein, I [BTB // KELCHREPEAT // Kelch] CG15097 GH18278 55F2-55F3 dup:2/2 ID:70E1
	+ defense/immunity_protein * 3e-13 peptidoglycan recognition protein precursor * 4e-17 TNF superfamily, member (LTB)-like
CG4384	(peptidoglycan recognition * 8e-17 cuticular molt prote CG4384 67A8-67A8 dup:3/3 ID:70E2
CG18568	+ unknown * CG18568 GH18325 50C21-50C21 dup:2/2 ID:70E3
	+ RNA_binding * putative RNA binding protein(aa) * 3e-05 TUD_DROME MATERNAL TUDOR PROTEIN posterior-group
007000	protein t * 8e-07 YQK1_CAEEL HYPOTHETICAL 55.9 KD PROTEIN [KH-domain // KH_DOMAIN // TUDOR] CG7082 GH18329
CG7082 CG9520	23D1-23D1 dup:3/3 ID:70E4
CG9520 CG5835	+ unknown CG9520 dup:5/5 ID:70E7 + unknown * CG5835 GH18370 91F4-91F4 dup:2/2 ID:70E9
CG3633 CG18539	+ unknown * CG5835 GH18370 91F4-91F4 dup:2/2 ID:70E9 + unknown * CG18539 GH18493 55C4-55C4 ID:70F10
CG 10009	+ serpin * 2e-30 Similar to serine protease inhibitor * 1e-33 serine proteinase inhibitor * 5e-42 SCC2_HUMAN SQUAMOUS
CG7722	CELL CARCINOMA ANTIGEN (SCCA-2) (LEUPIN) [serpin // SERPIN] CG7722 GH18514 47C7-47C7 dup:2/4 ID:70F12
CG6882	+ unknown * CG6882 GH18452 65A3-65A3 ID:70F7
	+ unknown * 4e-05 BE46_MOUSE BRAIN PROTEIN E46 gene E46 protein - mouse * * CG4975 GH18454 54E5-54E5
CG4975	ID:70F8
	+ RNA_binding * mus308 * Ygr271wp(aa) * similar to Helicases conserved C-terminal domain; cDNA EST comes from this
CG5205	gene; cDNA EST yk430a5.5 comes from this gene; cD [HELICASE // DEAD // ATP_GTP_A] CG5205 GH18520 88F6-88F6 ID:70G1
CCenna	+ enzyme * ubiquitin fusion degradation protein; Ufd1p(aa) * UBIQUITIN FUSION DEGRADATION PROTEIN HOMOLOG (UB
CG6233	FUSION PROTEIN 1)(aa) * 2e-47 UFD1_YEAST UBIQUITI CG6233 GH18603 70E3-70E3 ID:70G10

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 GH18608 CG11842 98F10-98F10 ID:70G11 CG8838 unknown * [NLS BP // ATP GTP A] CG8838 GH18521 25A1-25A1 ID:70G2 enzyme * secretory component(aa) * mollusk-derived growth factor; MDGF * AGSA_APLCA ATRIAL GLAND-SPECIFIC ANTIGEN PRECURSOR (AGSA) * [NLS BP // A deaminase] CG10143 GH18530 51B10-51B10 ID:70G4 CG10143 enzyme * F08F3.4 gene product(aa) * 2e-06 GALX YEAST UDP-GLUCOSE 4-EPIMERASE (GALACTOWALDENASE) / ALDOSE 1-EPIMERASE (MUTA * 4e-84 F08F3.4 gene product * 2e- CG5955 GH18546 77C2-77C2 ID:70G5 CG5955 CG12339 unknown * [NLS BP] CG12339 GH18573 47B11-47B11 dup:1/2 ID:70G7 CG12022 unknown * CG12022 GH18574 62E1-62E1 ID:70G8 + Cyp28a5 cytochrome P450 * CYP6A2(aa) * cytochrome P450 monooxygenase CYP28A1(aa) * 6e-37 YS24 CAEEL PUTATIVE CYTOCHROME P450 IN CHROMOSOME II * 5e-40 cytochrome P450 3A[EP450II // p450 // P450 // EGF 2 // MIT] CG8864 CG8864 GH18601 34E2-34E2 dup:1/2 ID:70G9 CG3342 unknown * 1e-05 protein * * CG3342 GH18625 6A4-6A4 ID:70H2 CG15891 unknown * CG15891 GH18658 5E1-5E1 ID:70H6 glycerol kinase * 1e-83 GLPK YEAST GLYCEROL KINASE (ATP:GLYCEROL 3-PHOSPHOTRANSFERASE) (GLYCEROKINASE) (* 1e-116 similar to glycerol kinase * 1e-147 GLPK MOUSE G[FGGY KINASES 1 // FGGY KINASES 2 // FGG1 CG7995 GH18690 62B1-62B1 dup:2/3 ID:70H9 CG7995 translation factor * GTP binding protein similar to S. cerevisiae HBS1(aa) * elongation factor alpha(aa) * Elf * DMEF1AF2 8 Ef1 agr;100E [ELONGATNFCT // GTP EFTU // ATP GTP A] CG1898 GH18819 62E3-62E3 ID:71A1 CG1898 unknown * CG1468 GH18955 9A2-9A2 dup:2/2 ID:71A12 CG1468 unknown * T03G11.3 gene product(aa) * CGI-62 protein(aa) * 1e-16 T03G11.3 gene product * CG10999 GH18838 83C3-CG10999 83C3 dup:1/2 ID:71A3 enzyme * 1e-09 ATPK CAEEL PUTATIVE ATP SYNTHASE F CHAIN, MITOCHONDRIAL * 3e-10 ATPK MOUSE ATP SYNTHASE F CHAIN, MITOCHONDRIAL * 2e-08 F1Fo-ATPase synthase f CG4692 GH18886 60D8-60D8 dup:1/2 ID:71A7 CG4692 CG4951 unknown * CG4951 GH18902 98B2-98B3 ID:71A8 unknown * 4e-29 YO87 CAEEL HYPOTHETICAL 28.5 KD PROTEIN IN CHROMOSOME III * 6e-18 putative protein * CG5862 IPCI DOMAIN // NLS BPI CG5862 GH18921 95F5-95F5 dup:1/2 ID:71A9 transcription factor binding * 2e-47 WEB1 YEAST WEB1 PROTEIN (PROTEIN TRANSPORT PROTEIN SEC31) * 2e-07 fizzy-related protein * 9e-37 predicted using Genefinder; Similarity to Yeas [WD40 REGION // WD40] CG8266 GH19061 44F7-CG8266 44F8 dup:1/3 ID:71B11 CG15772 unknown * 1E-141* * CG15772 GH18971 5B3-5B4 ID:71B2 CG16783 signal transduction fizzy-related protein FIZZY DOMAIN, WD40 CG16783 ID:71B5 endopeptidase * DMSTUBBLE 1 Sb * caldecrin=serum calcium-decreasing factor pancreas, Peptide, * 7e-36 STUB DROME SERINE PROTEINASE STUBBLE (STUBBLE-STUBBLOID PROTEI [trypsin // CHYMOTRYPSIN // TRYPSIN HIS CG5390 CG5390 31D5-31D6 dup:2/2 ID:71B8

	+ 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
CG1979	+ BG:DS00464.1 transmembrane_receptor * unknown(aa) * * CG1979 GH19145 84C1-84C1 dup:1/2 ID:71C10
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
	+ unknown * 5e-05 unknown * 6e-16 unknown protein * YDOC_SCHPO HYPOTHETICAL 13.4 KD PROTEIN C15A10.12C IN
CG9067	CHROMOSOME I * CG9067 GH19135 47E3-47E3 ID:71C7
	+ cell_adhesion * 7e-06 NTRI_RAT NEUROTRIMIN PRECURSOR (GP65) neurotrimin - rat * * [ig] CG10946 GH19181 7C8-
CG10946	7C8 ID:71D1
	+ 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
000010	+ transporter * mitochondrial carrier protein-like; similar to * 4e-13 probable membrane protein YPR011c - yeast
CG2616	(Saccharomyces cerevisiae) * 6e-11 colt * 3e-61 YQ [mito_carr // MITOCH_CARRIER] CG2616 GH19222 84D10-84D10 ID:71D5
	+ enzyme * 1e-05 GCST_YEAST AMINOMETHYLTRANSFERASE PRECURSOR (GLYCINE CLEAVAGE SYSTEM T
000005	PROTEIN) * 1e-10 partial CDS, * 4e-08 sarcosine oxidase * sarcosine deh [FAD_Gly3P_dh // NAD_BINDING] CG6385 GH19226
CG6385	54E7-54E8 ID:71D6
CG9649	+ endopeptidase * DMSNAKE_2 snk * gd * Tequila * zgr;Try [trypsin // CHYMOTRYPSIN // TRYPSIN_HIS] CG9649 GH19262 88B3-88B3 ID:71D8
CG9649 CG9130	
CG9130	 unknown * CG9130 GH19274 61F4-61F4 dup:2/3 ID:71D9 transmembrane_receptor * patched (Drosophila) homolog(aa) * PATCHED PROTEIN HOMOLOG (PTC1) (PTC)(aa) * similar
	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
CG7224	+ peptidase * 1e-34 YHT2_YEAST HYPOTHETICAL 49.8 KD PROTEIN IN ACT3-YCK1 INTERGENIC REGION
	PRECURSOR * 3e-44 similar to zinc carboxypeptidases (Pfam: Zn_carbOpept [CARBOXYPEPT_ZN_1 // CRBOXYPTASEA // Zn_]
CG12374	CG12374 GH19395 49C2-49C2 dup:2/2 ID:71E6
0012014	+ signal_transduction * rab11 binding protein(aa) * 5e-41 YMZ2_YEAST HYPOTHETICAL 94.3 KD TRP-ASP REPEATS
	CONTAINING PROTEIN IN SNZ1-YPK2 * 1e-07 transcription initiati[GPROTEINBRPT // WD40_REGION // WD40] CG7814
CG7814	GH19431 99C7-99C7 dup:2/2 ID:71E8
CG15386	+ unknown * 1E-132* * CG15386 GH19557 23D1-23D1 ID:71F10
20.0000	+ 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

	+ protein_phosphatase * enolase-phosphatase E-1(aa) * Similarity to klebsiella oxytoca E-1 enzyme (TREMBL ID * 1e-24 UTR4_YEAST UTR4 PROTEIN (UNKNOWN TRANSCRIPT PROTEIN) U [Hydrolase // HADHALOGNASE] CG12173 GH19505
CG12173	83A1-83A1 ID:71F4
	+ eIF-4a translation_factor * DMEIF4A_3 Eif4a * EUKARYOTIC INITIATION FACTOR 4A (EIF-4A)(aa) * EUKARYOTIC
	INITIATION FACTOR 4A (EIF-4A) (STIMULATOR FACTOR I KD COMPONENT) [helicase_C // HELICASE // DEAD // DEAD_]
CG9075	CG9075 GH19518 26B1-26B1 dup:3/5 ID:71F5
	+ signal_transduction * 5e-30 similar to guanine-nucleotide releasing factors including BCR ele * 7e-20 transforming protein
CG7397	(ect2) - mouse ect2 >g * 6e-17 GrfA * R02F2.2 g [GRF_DBL // RhoGEF // NLS_BP] CG7397 GH19526 90C2-90C2 ID:71F7
	+ 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
000400	+ 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
CG13319	+ unknown * 1E-158* * CG13319 GH19585 49E1-49E1 ID:71G2
CG2854	+ unknown * CG2854 GH19593 2F4-2F4 ID:71G3
000000	+ transcription_factor * 3e-30 zinc finger motif protein * 6e-09 contains multiple of strong similarity to C2H2-type zinc fingers
CG3282	(PS:PS00 * 4e-25 zinc finger pro[zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG3282 GH19637 57B16-57B16 dup:1/2 ID:71G6
	+ chp cell_adhesion * DMCOP10_2 chp * 2e-11 CYAA_YEAST ADENYLATE CYCLASE (ATP PYROPHOSPHATE-LYASE) (ADENYLYL CYCLASE) * CHAO DROME CHAOPTIN PRECURSOR (PHOTORECEPTOR CELL [ARM REPEAT // LRR //
CG1744	LEURICHRPT] CG1744 GH19649 100B8-100B9 ID:71G7
CG1744	+ unknown * 1e-24 YLS5 CAEEL HYPOTHETICAL 55.1 KD PROTEIN F09G8.5 IN CHROMOSOME III * 2e-25 c210RF-
CG15208	HumF09G8.5 * 5e-08 outer arm dynein light chain reinhar * 2e- CG15208 GH19655 9F12-9F12 ID:71G8
0013200	+ unknown * 2e-22 similarity to C. elegans protein C01C10.4 * 1e-36 SH3-domain binding protein * 1e-36 SH3 binding protein
CG14408	SH3 binding protein sapien * YKL4 CA CG14408 GH19670 12F7-13A1 ID:71G9
0011100	+ 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
	+ enzyme * citrate synthase(aa) * CITRATE SYNTHASE, MITOCHONDRIAL PRECURSOR(aa) * PROBABLE CITRATE
	SYNTHASE, MITOCHONDRIAL PRECURSOR(aa) * citrate synthase. Nu [citrate_synt // CITRATE_SYNTHASE // CIT] CG14740
CG14740	GH19789 87B1-87B1 ID:71H12
CG17485	+ CG17485 GH19718 ID:71H3
	+ transporter * DMC171D11 * DMMDR65_2 Mdr65 * 8e-46 STE6_YEAST MATING FACTOR A SECRETION PROTEIN STE6
CG1824	(MULTIPLE DRUG RESISTANCE PROT * 4e-86 MDR4_DROME MULTIDRUG RE [ATP_GTP_A2 // ABC_TRANSPORTER //

	ABC_tr] CG1824 GH19726 11B12-11B12 ID:71H4
	+ Eaat2 neurotransmitter_transporter * EXCITATORY AMINO ACID TRANSPORTER (SEAAT1)(aa) * glutamate transporter
CG3159	2B(aa) * CeGlt-2(aa) * predicted using Genefinder; Similari[SDF // EDTRNSPORT // NA_DICARBOXYL_SYMP] CG3159 GH19729
CG3159	21D1-21D1 dup:2/4 ID:71H5 + enzyme * 1e-133 SYLM_YEAST LEUCYL-TRNA SYNTHETASE, MITOCHONDRIAL PRECURSOR (LEUCINETRNA
	LIGASE * 1e-08 predicted using Genefinder; Similarity to Yeast isol [tRNA-synt_1 // TRNASYNTHLEU // AA_TRNA_] CG7479 64C-
CG7479	64C ID:71H7
CG2998	+ ribosomal_protein Ribosomal protein S28B Ribosomal_S28e CG2998 ID:72A2
CG11200	+ enzyme * putative ribotol dehydrogenase(aa) * coded for by C. elegans cDNA CEESL70F; similar to protochlorophyllide oxidoreductases(aa) * CGI-82 protein(aa [GDHRDH // adh short] CG11200 GH19857 56F17-56F17 ID:72A6
CG11200	+ 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
CG3195	+ CG3195 ID:72B11
CG13458	+ unknown * 1E-160* * [COPPER_BLUE] CG13458 GH20023 71B2-71B2 ID:72B12
CG1497	+ endopeptidase * neuropsin(aa) * TRYPSIN BETA PRECURSOR(aa) * zgr;Try * 4e-27 TRYA_DROME TRYPSIN ALPHA PRECURSOR trypsin-like proteinase ([trypsin // CHYMOTRYPSIN // TRYPSIN_HIS] CG1497 GH20003 19F1-19F1 ID:72B8
CG1497	+ Mst98Cb unknown * CG18396 GH20038 98C2-98C2 ID:72C1
0010000	+ 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
CG10234	+ 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
CG 10234	+ RNA_binding * Similarity to Human hnRNP F protein (PIR Acc. No. cDNA EST comes from this gene; cDNA EST comes
CG8205	from this gene; cDNA EST comes from this gene; cDNA [RBD // rrm // PRO_RICH] CG8205 GH20047 52B5-52C1 ID:72C4
CG12375	+ unknown * 1e-05 hypothetical protein * * [lactamase_B] CG12375 GH20064 28E-28E ID:72C5
CG10209	+ unknown * [PRO_RICH] CG10209 GH20077 51D1-51D1 ID:72C8
	+ enzyme * polyketide synthase(aa) * 1e-68 CEM1_YEAST SYNTHASE HOMOLOG (BETA-KETOACYL-ACP * 1e-69 similar
CG12170	to beta-ketoacyl synthase * 3e-92 putative 3-oxoacyl [B_KETOACYL_SYNTHASE // PPTA // ketoacyl] CG12170 GH20093 83B6-83B6 ID:72C9
CG12170	+ 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
007700	+ transporter * BLASTX 2.0E-28 Human sodium iodide symporter mRNA, complete cds.(dna) * 4e-36 unknown * 2e-17
CG7720 CG7945	Similarity to Salmonella sodium/proline symporter (SW: [NA_SOLUTE_SYMP_3] CG7720 GH20226 93F9-91C7 ID:72D11 + chaperone * contains similarity to mouse DRPLA protein * 3e-21 BCL2-associated athanogene 2; BAG-2 (AF09 * 8e-16
UG/940	+ 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
	+ enzyme * aldehyde oxidase(aa) * DMXDH_4 ry * xanthine dehydrogenase(aa) * XANTHINE DEHYDROGENASE (XD)
CG6045	(ROSY LOCUS PROTEIN)(aa) [dehydrog_molyb // Ald_Xan_dh_C // fer2] CG6045 GH20168 88F8-88F8 ID:72D2
0040040	+ unknown * predicted using hexExon; MAL3P6.28 Hypothetical protein, len: aa; Similarity to model organism hypothetical
CG18042 CG9483	proteins (C.elegans, D.melanogaster, S. CG18042 GH20177 31B1-31B1 ID:72D3 + unknown * CG9483 GH20208 29F3-29F3 ID:72D7
CG9483	 unknown * CG9483 GH20208 29F3-29F3 ID:72D7 serpin * 3e-34 Similar to serine protease inhibitor * 6e-38 proteinase inhibitor Spi3 - mouse serine proteinase inhib * 1e-35
CG1865	cytoplasmic antiproteinase, CAP [serpin // SERPIN] CG1865 GH20213 42F1-42F1 ID:72D9
001000	+ unknown * weak similarity with B1-hordein (Swiss Prot accession number cDNA EST comes from this gene; cDNA EST
	comes from this gene; cDNA EST comes from this [SAM_DOMAIN // SAM // PRO_RICH] CG7915 GH20255 66B7-66B7 dup:4/4
CG7915	ID:72E4
	+ Cyp12c1 cytochrome_P450 * CYTOCHROME P450 CYP12A2(aa) * 1e-08 ERG5_YEAST CYTOCHROME P450 (C-22 STEROL
CC 4120	DESATURASE) * 2e-24 cytochrome P450 cytochrome P4 * 5e-21 YRV8_CAEEL[EP450II // p450 // P450 // MITP450 // C] CG4120
CG4120	GH20281 75D2-75D2 dup:2/2 ID:72E6 + 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
004000	+ enzyme * similar to aspartate aminotransferase(aa) * 1e-99 aspartate aminotransferase cerevisiae, Peptide Partial, * 1e-157
CG4233	similar to aspartate aminotransfe [aminotran_1 // AA_TRANSFER_CLASS_1 // T] CG4233 GH20337 22B8-22B8 dup:2/2 ID:72F2 + Taf30alpha transcription_factor * 9e-08 hypothetical protein YDR145w - yeast (Saccharomyces cerevisiae) * 2e-59
	T2DA_DROME TRANSCRIPTION INITIATION FACTOR TFIID KD SUBUNIT ALPHA/22 K [HIST_TAF] CG17358 GH20363 86F1-
CG17358	86F1 dup:1/3 ID:72F4
CG17822	+ transcription_factor CG17822 GH20378 ID:72F5
CG15688	+ unknown * CG15688 GH20388 92F4-92F5 ID:72F7
	+ enzyme * Yjr105wp(aa) * 9e-49 ADK_YEAST PUTATIVE ADENOSINE KINASE ribokinase homolog * 2e-78 Similarity to
	Human adenosine kinase cDNA EST EMBL:Z1 * 2e-50 AD [ADENOKINASE // MITOCH_CARRIER // HELIX_] CG3809 GH20396
CG3809	87B5-87B5 ID:72F8
CG3557	+ unknown * CG3557 GH20409 23E4-23E4 ID:72F9
CG10494	+ unknown * CG10494 GH20554 57E-57E dup:2/2 ID:72G12
CG12089	 unknown * 7e-07 beaten path precursor * 9e-09 beat * * CG12089 GH20456 98D1-98D1 ID:72G2 chaperone * KD CHAPERONIN, CHLOROPLAST PRECURSOR (PROTEIN CPN10) (PROTEIN GROES)(aa) * chaperonin
	10(aa) * 6e-17 CH10_YEAST KD HEAT SHOCK PROTEIN, MITOCHONDRIA [CHAPERONIN10 // cpn10] CG9920 GH20473
CG9920	88A10-88A10 ID:72G3
CG5946	+ electron_transfer * unknown(aa) * NITRATE REDUCTASE (NAD(P)H) (NR)(aa) * nitrate reductase NR1 (393 AA)(aa) * 2e-

	86 PP11_YEAST SERINE/THREONINE PROTEIN PHOSPHATA[oxidored_fad // FPNCR // PHEHYDRXLASE /] CG5946 GH20485 68D3-68D3 dup:1/2 ID:72G4
CG18020	+ projectin [Drosophila melanogaster] CG18020 ID:72G5
0010020	+ transporter * DMORCT2_2 Orct * organic cationic transporter-like 1(aa) * 9e-08 ITR2_YEAST MYO-INOSITOL
CG3790	TRANSPORTER myo-inositol transp * 6e-75 putative organic ca [SERPIN // sugar_tr] CG3790 GH20501 49D-49D ID:72G6 + transporter * 3e-19 nervous system antigen nerv * 5e-06 Similarity to Shrimp sodium/potassium-transporting ATPase beta
CG11703	cha * 7e-10 ATNB_MOUSE SODIUM/POTASSIUM-TRA CG11703 GH20514 91F10-91F10 ID:72G7
CG5797	+ unknown CG5797 dup:1/3 ID:72G9
CG8981	+ unknown * [BRCT_DOMAIN // BRCT] CG8981 GH20709 48D1-48D1 ID:72H11
CG14021	+ unknown * CG14021 GH20612 25D5-25D6 dup:2/2 ID:72H2
	+ 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
CG15892	+ CG15892 ID:72H4
CG10408	+ enzyme CG10408 ID:72H5
CG17111	+ unknown * CG17111 GH20645 94D13-94D13 ID:72H6
	+ unknown * /match=(desc:; /match=(desc:(aa) * 1e-77 /match=(desc:; /ma * 1e-05 E02C12.6 gene product * 1E-151 CG9497
CG9497	GH20717 26C4-26C4 ID:73A1
CG1521	+ transporter homology to uncharacterized human and C.elegans proteins MgtE CG1521 GH20809 ID:73A10
CG1648	 unknown * 2e-12 inserted at base 5' end of P element Inverse PCR * * CG1648 GH20817 46B10-46B10 dup:2/3 ID:73A11 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
	+ transcription_factor * BLASTX 1.3E-19 Human super cysteine rich protein mRNA, partial cds.(dna) * GAGA factor class A-
CG12236	isoform(aa) * 8e-32 alternatively spliced form * 8e- [BTB // zf-C2H2 // ZINC_FINGER_C2H2] CG12236 GH20830 5C6-5C6 ID:73B1
	+ 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
0017730	+ unknown * density regulated protein drp1(aa) * 2e-08 YJY4_YEAST HYPOTHETICAL 22.5 KD PROTEIN IN SPC1-ILV3
CG9099	INTERGENIC REGION * 4e-13 hypothetical protein * 8e- [SUI1_2 // NLS_BP] CG9099 GH20858 15B1-15B1 ID:73B7
004045	- Ket cytoskeletal_structural_protein * BM KETTIN(aa) * titin(aa) * Titin [ig // AA_TRNA_LIGASE_II_1 // SH3 // NLS]
CG1915	CG1915 GH20861 62C2-62C3 dup:2/2 ID:73B8
CG3327	+ transporter * pot. w(+) polypeptide(aa) * WHITE PROTEIN HOMOLOG(aa) * Active transport ATPase; Adp1p(aa) * BROWN PROTEIN(aa) [ATP_GTP_A2 // ABC_TRANSPORTER // ABC_tr] CG3327 GH20863 25A1-25A1 ID:73B9
003321	+ BcDNA:GH02901 enzyme * hypothetical protein(aa) * 5e-11 LCFA_HAEIN LONG-CHAIN-FATTY-ACIDCOA LIGASE (LONG-
CG9009	CHAIN ACYL-COA SYNTHETASE) > * LCFA_ECOLI LONG-CHAIN-FATTY-ACID CG9009 GH20984 13A5-13A5 dup:2/4
30000	5

	ID:73C10
	+ CtBP enzyme * CtBP * C-terminal binding protein CtBP2(aa) * C-terminal binding protein(aa) * similar to the D-isomer specific
CG7583	2-hdroxyacid dehydrogenases family [2-Hacid_DH] CG7583 GH20987 87D9-87D11 dup:1/2 ID:73C12
	+ enzyme * UNKNOWN(aa) * 7e-63 PUT2_YEAST DELTA-1-PYRROLINE-5-CARBOXYLATE DEHYDROGENASE
CG6661	PRECURSOR (P5C DEHYDROG * 8e-11 alternatively spliced form; /prediction [aldedh] CG6661 GH20963 70C11-70C11 ID:73C5
CG2750	+ enzyme * No definition line found(aa) * * [ATP_GTP_A] CG2750 GH20980 11A7-11A7 ID:73C8
	+ peptidase * 1e-24 YBY9_YEAST PUTATIVE SERINE CARBOXYPEPTIDASE IN ESR1-IRA1 INTERGENIC REGION * 2e-83
	similar to BPTI/KUNITZ inhibitor domain; cDNA EST come * 8e [ESTERASE // serine_carbpept // CRBOXYPT] CG3344 GH21114
CG3344	61C9-61C9 ID:73D10
	+ Vha68 enzyme * VACUOLAR ATP SYNTHASE CATALYTIC SUBUNIT A (V-ATPASE KD SUBUNIT) (VAA3-1)(aa) * encodes a
CG12403	protein with three (ABC) that is spliced to yield the extei [ATP-synt_ab // ATP-synt_ab_C // ATPASE_] CG12403 GH21132 34A-34A ID:73D11
CG 12403	+ defense/immunity_protein * 1e-28 peptidoglycan recognition protein precursor * 1e-28 TNF superfamily, member (LTB)-like
CG14704	(peptidoglycan recognition protein) (AF0 * 2e-28 peptid CG14704 GH21008 86E-86E ID:73D2
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
CG10752	+ unknown * CG10752 GH21086 69E8-69E8 ID:73D8
	+ Hr46 steroid_hormone_receptor * DMDHR3A_2 Hr46 * HR3_DROME PROBABLE NUCLEAR HORMONE RECEPTOR HR3
	(DHR3) st * 4e-67 CHR3 gene product * 2e-71 ROR1_MOUSE NUCLEAR RECEPTOR ROR-A[STROIDFINGER // hormone_rec //
CG11823	THYROIDH] CG11823 GH21112 46F4-46F ID:73D9
	+ ribosomal_protein * ribosome recycling factor(aa) * RRF_HAEIN RIBOSOME RECYCLING FACTOR (RIBOSOME RELEASING FACTOR) (RRF) * RRF_CLOPE RIBOSOME RECYCLING FACTOR (RIBOS_CG4447 GH21184 67B1-67B1 dup:2/2
CG4447	ID:73E11
CG4447 CG6958	+ structural_protein * [GAPDH] CG6958 GH21194 94C4-94C4 dup:3/3 ID:73E12
CG0936	+ 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 comes
CG6204	from this gene(aa) * 5e-30 YE06_YEAST HYPOTHETICAL [ATP_GTP_A] CG6204 GH21168 95E5-95E5 dup:2/2 ID:73E5
CG6740	+ unknown * CG6740 GH21172 67C-67C dup:2/2 ID:73E7
	+ Cyp4p2 cytochrome_P450 * DMC152A3 * DMCYP4D2_12 Cyp4d2 * 6e-09 CP56_YEAST CYTOCHROME P450-DIT2
	(CYTOCHROME P450 56) cyt * 3e-53 cytochrome P450 cytochrome P4 [EP450II // p450 // P450 // MITP450 // C] CG1944
CC1011	OLIO4474 AEC AEC ALIO: 0/0 ID: 70E0

enzyme * similar to tubulin tyrosine ligase; cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST

CG1944

CG8918

GH21174 45C-45C dup:2/2 ID:73E8

	comes from this gene; cDNA EST comes fro CG8918 GH21352 15E5-15E5 ID:73F10
	+ structural_protein * 6e-22 NSP1_YEAST NUCLEOPORIN NSP1 (NUCLEAR PORE PROTEIN NSP1) (NUCLEOSKELETAL-
CG8086	LIKE PRO * 5e-08 C. elegans DNA-directed RNA polymerase II large subun CG8086 GH21437 29A1-29A1 dup:3/4 ID:73F12
	+ Gfat enzyme * glucosaminefructose-6-phosphate aminotransferase(aa) * 1e-155 GFA1_YEAST GLUCOSAMINE
	FRUCTOSE-6-PHOSPHATE AMINOTRANSFERASE (ISOMERIZING) (HEX * g [GATase_2 // SIS] CG12449 GH21229
CG12449	cyto_unknown dup:2/2 ID:73F3
	+ enzyme * cAMP-specific phosphodiesterase 8B; PDE8B1; 3',5'-cyclic nucleotide phosphodiesterase(aa) *
	phosphodiesterase 8(aa) * 7e-16 cAMP phosphodiesterase [PDEase // PDIESTERASE1 // PAS_REPEAT //] CG5411 GH21295
CG5411	59F-59F4 dup:2/2 ID:73F7
	+ 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
	+ DNA_binding * DMHMGDA_2 HmgD * HIGH MOBILITY GROUP PROTEIN Z (HMG-Z)(aa) * 2e-11 HMGD_DROME HIGH
	MOBILITY GROUP PROTEIN D (HMG-D) high mob * 2e-05 SSRP_CAEEL PROB [HIGHMOBLTY12 // HMG_box] CG7045
CG7045	GH21448 94B4-94B4 ID:73G1
	+ function_unknown * 2e-19 YBS4_YEAST HYPOTHETICAL 47.8 KD PROTEIN IN HSP26-TIF32 INTERGENIC REGION *
CG11961	8e-90 YP67_CAEEL HYPOTHETICAL 98.3 KD PROTEIN IN CHROMOSOME II (U2 CG11961 GH21451 56D2-56D2 ID:73G2
CG7803	+ CG7803 ID:73G3
	+ unknown * 2e-06 hypothetical protein * hypothetical protein * UVS2_NEUCR UVS-2 PROTEIN uvs2 protein - Neurospora
CG7388	crassa * [GLYCOSYL_HYDROL_F5 // zf-C3HC4 // ZINC_] CG7388 GH21463 66A12-66A12 dup:1/3 ID:73G4
	+ transporter * 5e-27 HXT0_YEAST HEXOSE TRANSPORTER HXT10 hexose transport pro * 9e-42 GTRL_DROME
	GLUCOSE TRANSPORTER-LIKE PROTEIN glucose transpo * 4e-22 predicted [SUGRTRNSPORT // SUGAR_TRANSPORT_1 //
CG6484	SU] CG6484 GH21490 54D2-54D2 ID:73G7
	+ 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
	+ transporter * 2e-64 coded for by C. elegans cDNA yk54h9.5; coded for by C. elegans cDNA yk54h9.3; si * 4e-70
CG7571	PGT_HUMAN PROSTAGLANDIN TRANSPORTER (PGT) prostagland CG7571 GH21536 74D1-74D1 dup:2/2 ID:73H1
	+ transporter * 8e-32 YG5F_YEAST PUTATIVE MITOCHONDRIAL CARRIER YGR257C hypot * 2e-06 phosphate transporter
	precursor melanogas * 2e-53 YQ51_CAEEL PUTATIVE MITOCHON [mito_carr // MITOCH_CARRIER] CG14209 GH21653 18D8-
CG14209	18D8 ID:73H12
	+ motor_protein * 3e-05 F35D11.11 gene product * 2e-06 hyaluronan receptor - human * 3e-06 tetravalent M protein=hybrid
CG10193	molecule containing amino-terminal subuni * Si [PRO_RICH] CG10193 GH21577 95C3-95C3 dup:2/2 ID:73H4
004000	+ 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
000455	+ Rpt4 endopeptidase * 26S PROTEASE REGULATORY SUBUNIT S10B (P44) (CONSERVED ATPASE DOMAIN PROTEIN
CG3455	44)(aa) * Pros45 proteosome subunit homolog(aa) * 1e-134 SUG2_YEAST PROB_CG3455 GH21618 5E1-5E1 dup:2/2 ID:73H8
CG6652	+ motor_protein * 6e-13 unknown * * [NLS_BP] CG6652 GH21622 73E4-73E4 dup:2/2 ID:73H9

	+ Orct transporter * DMORCT2_2 Orct * 3e-10 YGK4_YEAST PROBABLE METABOLITE TRANSPORT PROTEIN YGL104C *
CG6331	putative organic cation transporter [sugar_tr] CG6331 GH21655 95F2-95F2 ID:74A1
CC400EE	+ 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 + 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
CG3091	+ corto nucleic_acid_binding * corto * CENTROSOMAL AND CHROMOSOMAL FACTOR (CCF) (CHROMOCENTROSOMIN)(aa)
CG2530	* CP-1(aa) * inserted at base Both 5' and 3' ends of P element Inverse PCR CG2530 GH21787 82F5-82F5 ID:74B1
00200	+ EG:4F1.1cell_adhesion * /match=(desc:; /match=(desc:(aa) * sarcoglycan, delta (35kD dystrophin-associated glycoprotein)(aa) *
CG14808	4e-06 delta sarcoglycan * 9e-05 delta-sarcogl CG14808 GH21860 2B8-2B9 ID:74B10
	+ motor_protein * mutated in colorectal cancers(aa) * 3e-05 myosin heavy chain, MHC CCI4-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
CC5070	+ unknown * 1e-23 hypothetical protein YDL219w - yeast (Saccharomyces cerevisiae) * 3e-32 predicted using Genefinder * 5e-
CG5270	27 SPAC8C9.05, len:149aa; similarity: [FYVE_DOMAIN // FYVE] CG5270 GH21817 86E5-86E5 ID:74B5 + BcDNA:GH04802 ion channel * 5e-05 TOK1 YEAST OUTWARD-RECTIFIER POTASSIUM CHANNEL TOK1 (TWO-DOMAIN
	OUTWARD RECTIFIE * 1e-18 C24H11.8 * 8e-06 TWIK-related acid-sensitive K+ chann [CHANNEL_PORE_K] CG1688 46B4-
CG1688	46B5 dup:2/2 ID:74B7
001000	+ 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 * 2e-52 gene C35D10.2 protein - Caenorhabditis elegans similar to * 3e-81 RGS-GAIP interacting protein GIPC
CG11546	GLUT1 * 7e-81 RGS-GAIP interacting protein [PDZ] CG11546 GH21964 44A8-44B dup:1/2 ID:74C11
	+ weak homology to leucine carboxyl methyltransferase [Homo sapiens] and receptor protein kinase-like protein [Arabidopsis
CG14768	thaliana] CG14768 GH21888 ID:74C2
CC742E	+ unknown * /match=(desc:; /match=(desc:(aa) * 4e-77 /match=(desc:; /ma * 7e-06 No definition line found * No definition line
CG7135 CG10947	found CG7135 GH21891 16F7-16F7 dup:1/2 ID:74C3
CG10947 CG2457	 * hypothetical protein(aa) * 3e-07 hypothetical protein * * CG10947 38C9-38C9 dup:2/2 ID:74C6 + inaF ion_channel * INAF protein(aa) * 1e-115 INAF protein * * CG2457 GH21930 10D5-10D6 dup:1/2 ID:74C7
CG2457	+ inar lon_chame inar protein(aa) 1e-115 inar protein
	(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
	BMP1_MOUSE BONE MORPHOGENETIC PROTEIN PRE [LDLRA_2 // CUB // Idl_recept_a // PRO_R] CG5449 GH21941 94A3-
CG5449	94A3 ID:74C9
	+ rux unknown * CELL CYCLE NEGATIVE REGULATOR ROUGHEX(aa) * rux * 1e-170 rux * [NLS_BP] CG4336 GH22074 5D1-
CG4336	5D1 ID:74D12

CG10949	+ transcription_factor * TRANSCRIPTION FACTOR ADF-1 (ADH DISTAL FACTOR 1)(aa) * DMADF1A_2 Adf1 * 3e-07 cDNA 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
CG17046	+ kls unknown * klarsicht protein(aa) * 8e-06 protein * hypothetical protein * protein [NLS_BP // SUGAR_TRANSPORT_1] CG17046 GH22034 61C3-61C7 dup:5/6 ID:74D8
	+ transporter * similar to Mitochondrial carrier proteins (2 domains); cDNA EST yk309c6.5 comes from this gene; cDNA EST yk309c6.3 comes from this gene; cDNA EST [mito_carr // MITOCARRIER // MITOCH_CARR] CG5805 GH22160 98E1-98E1
CG5805	dup:2/2 ID:74E10
CG3246	+ unknown * CG3246 25A3-25A3 dup:2/2 ID:74E11
	+ enzyme * phospholipase B(aa) * similar to phospholipase precursor; cDNA EST comes from this gene; cDNA EST comes from this
CG7365	dup:2/2 ID:74E2
CG6684	+ CG6684 dup:2/2 ID:74E3
	+ enzyme * carnitine racemase - Escherichia coli(aa) * ENOYL-COA HYDRATASE, MITOCHONDRIAL PRECURSOR (SHORT CHAIN ENOYL-COA HYDRATASE) (SCEH) (ENOYL-COA HYDRATA [GRAM_POS_ANCHORING // ECH] CG6984
CG6984	GH22096 53F10-53F10 dup:2/2 ID:74E5
	+ 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
	+ jdp chaperone * 1e-11 SCJ1_YEAST SCJ1 PROTEIN SCJ1 protein - yeast (Saccharomyce * 1e-09 DNJ1_DROME DNAJ PROTEIN HOMOLOG (DROJ1) droj1 * 1e-10 YRY1_CAEEL HYPOTHETIC [GRAM_POS_ANCHORING // DnaJ // DNAJPROTE]
CG2239	CG2239 GH22106 99F8-99F10 dup:3/3 ID:74E7
CG2233	+ unknown * CG2233 GH22123 7D5-7D5 dup:5/5 ID:74E8
	+ transporter * MITOCHONDRIAL FAD CARRIER PROTEIN FLX1(aa) * UCP2(aa) * 5e-26 YIA6_YEAST PUTATIVE MITOCHONDRIAL CARRIER YIL006W probabl * 4e-09 ADT_DROME ADP,ATP CA [mito_carr] CG8026 GH22139 45B4-45B5
CG8026	dup:2/2 ID:74E9
	+ protein_kinase * coded for by C. elegans cDNA CEESC01F; coded for by C. elegans cDNA cm11b7; coded for by C. elegans
CG10737	cDNA cm11b8; Similar to protein kinase.(aa) * 1e [DAG_PE_BINDING_DOMAIN // DAG_PE-bind //] CG10737 56B6-56C ID:74F1 + 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
CG11737	+ unknown * 3e-24 K02G10.3 gene product * * CG11737 GH22337 85A5-85A5 ID:74G2
	+ enzyme * 3-hydroxy-3-methylglutaryl-CoA-synthase(aa) * Similar to hydroxymethlglutaryl-CoA synthase; coded for by C. elegans cDNA cm01e7(aa) * 3-hydroxy-3- [HMG_CoA_synt // HMG_COA_SYNTHASE] CG4311 GH22436 53A5-53B1 dup:2/4
CC 4244	ID:7409

ID:74G8

00000	+ BcDNA:LD21403 unknown * unknown * 1e-06 tudor repeat associator with PCTAIRE * [TUDOR] CG8920 GH22439 57A-57A
CG8920	dup:2/2 ID:74G9 + Cyp4d8 cytochrome_P450 * DMLCYP6A9 Cyp6a9 * DMCYTO_2 Cyp4d1 * DMCYP4D2_12 Cyp4d2 * cytochrome P450(aa)
CG4321	[EP450II // p450 // P450 // MITP450 // B] CG4321 GH22459 66A1-66A1 ID:74H1
	+ Cyp28d1 cytochrome_P450 * cytochrome P450 monooxygenase CYP28A2(aa) * 8e-48 CYP6A2 * 2e-32 YRVA_CAEEL
	PUTATIVE CYTOCHROME P450 T10B9.10 IN CHROMOSOME II * 3e-49 cytochrome P4 [EP450II // p450 // P450 // MITP450 // C]
CG10833	CG10833 GH22460 25C9-25C9 ID:74H2
CG9336	+ unknown * CG9336 GH22472 38F1-38F1 ID:74H4
	+ enzyme * histidyl tRNA synthetase - Caenorhabditis elegans(aa) * HISTIDYL-TRNA SYNTHETASE HOMOLOG (HISTIDINE-
000005	-TRNA LIGASE HOMOLOG) (HÍSRS)(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
000002	+ 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
	+ transcription_factor * eyg * 9e-46 Eyegone * 1e-38 similar to 'Paired box' domain, homeobox protein (paired subfamily * 2e-
	41 PAX3_MOUSE PAIRED BOX PROTEIN PAX-3 pax-3 p[PAX // HOMEOBOX_1 // homeobox // HOMEOB] CG10704 GH22493
CG10704	69B3-69B4 ID:74H8
005004	+ * DnaJ-1 * heat shock protein dnaJ homolog - human(aa) * similar to DNAJ protein; cDNA EST comes from this gene; cDNA
CG5001	EST comes from this gene; cDNA E CG5001 ID:75A5
CG8596	+ unknown * C25E10.5 gene product(aa) * 7e-38 weak similarity to two short of multi-drug resistance proteins * No definition line found * Similarity to multidr CG8596 GH22722 65F3-65F3 ID:75B11
CG0590	+ prd transcription_factor * SEGMENTATION PROTEIN PAIRED(aa) * DMPRD_5 prd * 3e-58 similar to 'Paired box' domain,
	homeobox protein (paired subfamily * 2e-87 PAX3_MOUSE PAIRE[PAX // HOMEOBOX_1 // homeobox // HOMEOB] CG6716
CG6716	GH22686 33B14-33B14 ID:75B4
	+ Abdominal B transcription_factor HOMEOBOX, HOMEOBOX_1, HOMEOBOX_2, HTHREP] CG10291 GH22693 dup:4/5
CG10291	ID:75B6
	+ enzyme * 6e-06 YD40_YEAST HYPOTHETICAL 42.3 KD PROTEIN IN YTA2-DIT1 INTERGENIC REGION * 4e-33 predicted
CG12177	using Genefinder; similar to Inosine-uridine preferri [IU_nuc_hydro] CG12177 GH22706 12B1-12B1 ID:75B7
004040	+ unknown * 1e-35 probable membrane protein YOR245c - yeast (Saccharomyces cerevisiae) * 3e-58 K07B1.4 gene product *
CG1942	9e-21 hypothetical protein * predicted usi CG1942 GH22719 43E11-43E11 ID:75B9 + 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
CG12316	+ unknown * BLASTX 2.0E-06 Theileria parva schizont/sporozoite surface protein gene, partial cds.(dna) * * [NLS_BP]
0012010	[NEO_DI]

CG12316	GH22749	71B2-71B2	ID:75C3

- + Flo-2 unknown * 1e-176 flotillin-2 * 1e-114 epidermal surface antigen * 1e-114 flotillin epidermal surface antigen human * 1e-
- CG11547 114 growth-associated protein [NLS_BP] CG11547 GH22754 13A3-13A4 ID:75C4
- CG8960 + unknown * CG8960 GH22765 62D2-62D2 ID:75C5
- CG8991 + transcription_factor * [PRO_RICH] CG8991 GH22790 48C-48C ID:75C6
- CG10311 + unknown * CG10311 GH22794 89B22-89B22 ID:75C7
 - + enzyme * 1e-151 GLS1_CAEEL PUTATIVE GLUTAMINASE DH11.1 (GLS) (L-GLUTAMINE AMIDOHYDROLASE) * 1e-170 protein * 1e-171 GLSK_RAT GLUTAMINASE, KIDNEY ISOFORM PREC [ANK_REP // ank // ANK_REP_REGION] CG8772
- CG8772 GH22838 49B8-49B8 dup:2/2 ID:75D1
 - + bt protein_kinase * projectin fruit fly (Drosophila melanogaster)(aa) * bt * similar to Fibronectin type III domain (31 domains),
- GG1479 IG (immunoglobulin) superfami[ig // PROTEIN_KINASE_ST // FNTYPEIII //] CG1479 GH22863 102D6-102E1 dup:1/2 ID:75D11 + Fragile-X-related RNA_binding * FRAGILE X MENTAL RETARDATION SYNDROME RELATED PROTEIN 1(aa) * Fxr2h(aa) * protein isoform d(aa) * 6e-81 FMR1_MOUSE FRAGILE X MENTAL RETARDATION [KH-domain // TONB_DEPENDENT_REC_1 //
- CG6203 KH] CG6203 GH22839 85F10-85F11 ID:75D2
- + 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
 - + enzyme * probable membrane protein YPR184w yeast (Saccharomyces cerevisiae) * similar to Alpha amylase; cDNA EST
- CG9485 yk217a9.5 comes from this gene; * amylo-1, [ISOCITRATE LYASE] CG9485 GH22856 57D4-57D5 dup:3/4 ID:75D8
- CG3770 + unknown CG3770 dup:2/2 ID:75E10
- CG11388 + unknown * CG11388 GH22974 60B1-60B1 dup:2/2 ID:75E11
 - + electron_transfer * GEC-3(aa) * 3e-43 coded for by C. elegans cDNA yk51h9.5; coded for by C. elegans cDNA yk117c2.5; c
- * 1e-64 quiescin Q6 quiescin * 2e-66 GEC-3 [THIOREDOXIN_2] CG17843 GH22889 96B6-96B6 dup:2/2 ID:75E2
- CG2081 + unknown * CG2081 GH22911 10A3-10A3 dup:2/2 ID:75E4
- CG7905 + unknown * CG7905 GH22919 66B6-66B7 dup:2/2 ID:75E5
 - + cell_adhesion * 2e-11 CHAO_DROME CHAOPTIN PRECURSOR (PHOTORECEPTOR CELL-SPECIFIC MEMBRANE PROTEIN) * 3e-06 Similarity to Rat insulin-like growth factor binding prote [LRR // LEURICHRPT // NLS_BP] CG15658 GH22922 57C7-57C7 dup:2/2 ID:75E6
- CG15658 57C7-57C7 dup:2/2 ID:75E6
 + neurotransmitter_transporter * SerT * glycine transporter type-2(aa) * SODIUM- AND CHLORIDE-DEPENDENT GABA
 TRANSPORTER 3(aa) * hypothetical protein T23G5.5 Caenor[NA_NEUROTRAN_SYMP_1 // NANEUSMPORT // N] CG8380
- CG8380 GH22929 53C-53C dup:2/2 ID:75E8

 + enzyme * PHOSPHOMANNOMUTASE (PMM)(aa) * 2e-91 YM8L_YEAST HYPOTHETICAL 71.1 KD PROTEIN IN DSK2-CAT8 INTERGENIC REGION * 1e-114 similar to Phosphoglucomutase a [PGM PMM // PGMPMM] CG10202 GH22984 51C5-
- CG10202 51C5 ID:75F1 + transmembrane_receptor * 3e-78 D-CD36 protein fruit fly (Drosophila melanogaster) * 5e-35 predicted using Genefinder;
- CG12789 similar to CD36 family; cDNA EST yk265 * 4e-53 scaven [CD36] CG12789 GH23019 28A1-28A1 ID:75F12

	+ dei transcription_factor * DMDELILAH_2 dei * HELIX-LOOP-HELIX PROTEIN DELILAH(aa) * 2e-08 ATH2_MOUSE ATONAL
CG5441	PROTEIN HOMOLOG (HELIX-LOOP-HELIX PROTEIN MATH-2) (MATH2) (* 6e[HLH // HELIX_LOOP_HELIX // HELIX_LOOP_H] CG5441 GH22991 100A5-100A5 ID:75F3
003441	+ ligand_binding_or_carrier * calcyphosine(aa) * CRUSTACEAN CALCIUM-BINDING PROTEIN (CCBP-23 PROTEIN)(aa) *
	1e-10 predicted using Genefinder; Similarity to Human calmodulin (SW:P [EF_HAND // efhand // EF_HAND_2] CG10126 GH22994
CG10126	87D3-87D3 ID:75F5
CG6038	+ unknown * CG6038 GH23035 71C2-71C2 ID:75G3
CG1090	+ transporter * retinal rod Na/Ca+K exchanger(aa) * Na/Ca,K-exchanger(aa) * 2e-06 probable membrane protein YDL206w - yeast (Saccharomyces cerevisiae) * 1e-05 Na/C CG1090 GH23040 82B1-82B1 ID:75G4
00.000	+ agt DNA_repair_protein * O-6-alkylguanine-DNA alkyltransferase(aa) * agt * 3e-16 MGMT_YEAST METHYLATED-DNA
	PROTEIN-CYSTEINE METHYLTRANSFERASE (6-O-METHYLGUANINE * 2e-10 MGM [Methyltransf_1 // MGMT] CG1303
CG1303	GH23047 84C4-84C4 ID:75G5 + Klp68D motor_protein * Klp68D * KINESIN-LIKE PROTEIN KLP68D(aa) * 1e-38 Cin8p kinesin-related * 1e-115 Similarity to
CG7293	urchin kinensin-2 (PIR Acc. No. cDNA EST EM [kinesin // KINESINHEAVY] CG7293 GH23075 68D2-68D2 ID:75G8
001200	+ shi enzyme * dynamin(aa) * DMDDYN4_2 shi * dynamin II - human(aa) * dynamin-like protein - fruit fly (Drosophila
CG18102	melanogaster)(aa) CG18102 GH23121 13F9-13F10 dup:1/2 ID:75H1
CG2985	+ CG2985 dup:1/5 ID:75H3
CG10566	+ defense/immunity_protein * similar to rat autoimmune target protein p69 * 1e-39 similar to rat autoimmune target protein p69 * 5e-67 ICAp69 * 1e-64 diabetes mellitus type I au CG10566 GH23156 78B4-78C1 ID:75H6
CG10300 CG13787	+ It has been mapped cytologically to 28A1 CG13787 GH23165 ID:75H7
0010707	+ unknown * hypothetical protein gs1.1.27.1(aa) * 6e-26 hypothetical protein YPL020c - yeast (Saccharomyces cerevisiae) (*
CG11023	1e-29 YRW3_CAEÉL 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:76A2
CG13832	+ enzyme * 5e-20 T10H10.3 gene product * 9e-07 ubiquitin protein ligase * 3e-07 WWP1 * 1e-05 S-SCAM beta [WW_rsp5_WWP // WW_DOMAIN_2] CG13832 GH23265 94D13-94D13 ID:76A4
CG 13032	+ kek1 cell_adhesion * KEK1(aa) * kek1 * 2e-11 Simiarity to Rat insulin-like growth factor binding protein comple * 1e-17 leucine-
CG12283	rich-repeat protein [ig // LRR // LEURICHRPT // LRRCT] CG12283 GH23277 34A-34A dup:1/2 ID:76A7
CG7962	+ CG7962 GH23282 ID:76A8
	+ Hrb27C RNA_binding * DMHRP481_2 Hrb27C * HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN 27C (HNRNP 48) (HRP48.1)(aa) * 2e-36 NAB4_YEAST NUCLEAR POLYADENYLATED RNA-BINDING PROTE [RNP_1 // RBD // rrm] CG10377
CG10377	(IRP46.1)(da) 26-36 NAB4_1EAST NOCLEAR POLTADENTLATED RNA-BINDING PROTE [RNP_1 // RBD // HIII] CG10377 27C-27C dup:6/8 ID:76B1
	+ unknown * 2e-22 YNQ8_YEAST HYPOTHETICAL 28.8 KD PROTEIN IN PSD1-SKO1 INTERGENIC REGION * 2e-27
	YO23_CAEEL HYPOTHETICAL 23.3 KD PROTEIN ZK688.3 IN CHROMOSOME I [ATP_GTP_A] CG6028 GH23390 93F14-93F14
CG6028	ID:76B10 + enzyme * coded for by C. elegans cDNA yk61f5.5; coded for by C. elegans cDNA yk40b3.5; coded for by C. elegans cDNA
	+ enzyme * coded for by C. elegans cDNA yk61t5.5; 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
CG8723	ID:76B12

CG1121	+ alpha-Est8 enzyme * agr;-Est8 * alpha esterase(aa) * agr;-Est3 * alpha esterase [CARBOXYLESTERASE_B_1 // CARBOXYLESTERAS] CG1121 GH23353 85A1-84D5 ID:76B3
001121	+ structural_protein * Ran/TC4-binding nucleopore protein(aa) * RanBP2 protein - mouse (fragment)(aa) * RAN binding protein
	2; nucleoporin 358(aa) * HTF9-A protein[GRAM_POS_ANCHORING // zf-RanBP // ZF_RA] CG11856 GH23370 96C4-96C5
CG11856	dup:2/4 ID:76B5
CG10383	+ unknown * 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 CG10383 GH23377 37A4-37A4 ID:76B6 + unknown * CG3348 GH23384 97F6-97F6 ID:76B8
CG3348	 unknown * CG3348 GH23384 97F6-97F6 ID:76B8 unknown * BLASTX 7.1E-06 Arabidopsis thaliana DNA chromosome 4, ESSA I contig fragment No. 4.(dna) * * [PRO_RICH]
CG10341	CG10341 GH23387 37A4-37A4 ID:76B9
0010011	+ Atpalphatransporter * 3e-78 ATC1_YEAST CALCIUM-TRANSPORTING ATPASE (GOLGI CA2+-ATPASE) * ATNA_DROME
	SODIUM/POTASSIUM-TRANSPORTING ATPASE ALPHA CHAIN (SODIUM PUMP) (NA+/ [NAKATPASE // Na_K_ATPase_C //
CG5670	ATPASE_E1] CG5670 GH23483 93B-93B dup:2/3 ID:76C12
	+ transporter * 3e-69 predicted using Genefinder; cDNA EST comes from this g * 3e-07 tetracycline resistance protein * similar
CG8054	to translocase * contains similarity [PRO_RICH // NLS_BP] CG8054 GH23453 45B1-45B1 ID:76C6
	+ cytoskeletal_structural_protein * p60 katanin(aa) * katanin p60 subunit(aa) * 4e-42 CC48_YEAST CELL DIVISION
004400	CONTROL PROTEIN cell divisi * 3e-43 transitional endoplasmic reticulum A [AAA // NLS_BP // ATP_GTP_A] CG1193 GH23455
CG1193	83C-83C ID:76C7
CG8896	+ 18w cell_adhesion * DMWHEELER_2 18w * 5e-15 CYAA_YEAST ADENYLATE CYCLASE (ATP PYROPHOSPHATE-LYASE) (ADENYLYL CYCLASE) * leucine-rich motif (LRR) protein homology to int CG8896 GH23463 56F9-56F9 dup:1/4 ID:76C9
000000	+ protein kinase * bt * hep * 8e-21 SPK1 YEAST PROTEIN KINASE SPK1 (SERINE-PROTEIN KINASE 1) * 2e-20 p90
CG1760	ribosomal S6 kinase [PROTEIN_KINASE_ST // PROTEIN_KINASE_DOM] CG1760 GH23573 10C3-10C3 ID:76D10
	+ 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
CG13773	+ enzyme * 4e-10 match to * 3e-06 hypothetical protein * [NLS_BP] CG13773 GH23590 27C3-27C3 ID:76D12
CG13551	+ GH20780 CG13551 GH23524 ID:76D4
	+ ion_channel * 1e-15 chloride channel protein CLC-1 - yeast (Saccharomyces cerevisiae) * 1e-108 similar to T. marmorata
CG6942	chloride channel protein (SP:CICH_TORMA, * [CLCHANNEL // CBS // voltage_CLC] CG6942 GH23529 86F9-86F9 ID:76D5
005004	+ Dad transcription_factor * Dad * DAD polypeptide * 2e-18 similar to ZK370.2 * 2e-40 Smad6 [Dwarfin // PRO_RICH // NLS_BP]
CG5201	CG5201 GH23534 89E12-89E13 dup:3/4 ID:76D6
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
CG4848	+ transporter * 4e-12 IdlBp * * CG4848 GH23636 87B6-87B6 dup:3/3 ID:76E12
CG4040	+ 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
30.0.0	+ unknown * 0-44 PROTEIN(aa) * HYPOTHETICAL 14.6 KD PROTEIN IN REC104-SOL3 INTERGENIC REGION(aa) *
CG9396	HYPOTHETICAL 16.3 KD PROTEIN F53F10.3 IN CHROMOSOME I(aa) * h CG9396 GH23618 86C3-86C3 dup:2/2 ID:76E7

000540	+ 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 + endopeptidase * DMSTUBBLE_1 Sb * zgr;Try * 2e-22 TRYI_DROME TRYPSIN IOTA PRECURSOR iota trypsin * 2e-15
CG9898	kallikrein [trypsin // CHYMOTRYPSIN // TRYPSIN CATA] CG9898 GH23641 59B8-59B8 ID:76F1
00000	+ enzyme * fructose-1,6-bisphosphatase; Fbp1p(aa) * fructose-bisphosphatase 1(aa) * fructose-1,6-bisphosphatase
	precursor(aa) * fructose-1,6-bisphosphatase ho [FBPASE // FBPase // INFBPHPHTASE // FBP] CG10611 38A-38A dup:3/3
CG10611	ID:76F10
CG1114	+ unknown * growth factor-responsive protein, vascular smooth muscle - rat(aa) * 3e-47 Weak similarity with apoptosis protein RP-8; cDNA EST * SM-20 * CG1114 GH23732 83A1-83A1 ID:76F11
	+ pyd enzyme * DMD477 pyd * TamA(aa) * 1e-16 coded for by C. elegans cDNA yk25e5.3; coded for by C. elegans cDNA yk25e5.5; si * 1e-138 ZO1 MOUSE TIGHT JUNCTION PRO [Guanylate kin // GUANYLATE KINASE 2 //] CG9763 GH23642
CG9763	85B4-85B5 ID:76F2
	+ enzyme * 1e-31 pdb 1SDY A Saccharomyces cerevisiae Saccharomyces cerevisiae * 1e-34 SODC_DROME SUPEROXIDE
00000	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
001020	+ 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
	+ chaperone * DMCYP1_2 Cyp1 * 4e-41 CYPH_YEAST PEPTIDYL-PROLYL CIS-TRANS ISOMERASE (PPIASE)
CG1866	(ROTAMASE) (CYCLOPHILIN) * 1e-36 CYPH_DROME PEPTIDYL-PROLYL CIS-TRANS [pro_isomerase // CSA_PPIASE_1 // CSA_PP] CG1866 GH23813 98C3-98C3 dup:1/4 ID:76G11
CG 1666	+ Arr2 unknown * DMPPP_2 Arr2 * ARRB_DROME PHOSRESTIN I (ARRESTIN B) (ARRESTIN 2) (49 KD ARRESTIN-LIKE
	PROTEIN) * 2e-73 ARRB CAEEL PROBABLE BETA-ARRESTIN coded for [ARRESTIN // arrestin // ARRESTINS] CG5962
CG5962	GH23741 66D-66D dup:4/5 ID:76G2
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
CG11908	+ rha motor_protein * RADHA protein(aa) * 1e-10 similar to C. elegans UNC-89 and titins * 3e-07 ORF 73, contains large complex repeat CR sarcoma-associated herpesv * YL CG11908 GH23783 96D-96D ID:76G7
CG11906	+ rdgA enzyme * DMDKA 1 rdgA * KDGE DROME EYE-SPECIFIC DIACYLGLYCEROL KINASE (RETINAL DEGENERATION
CG10966	A PROTEIN) (* DMDKA_1 rdgA * [ANK_REP // DAGKa // ank // DAGKc // ANK] CG10966 GH23785 8C4-8C7 ID:76G8
CG6424	+ BcDNA:GH05095 motor_protein * 8e-34 protein * * [NLS_BP] CG6424 GH23788 54E3-54E4 dup:1/3 ID:76G9
CG7655	+ transmembrane_receptor * CG7655 GH23865 90C-90C ID:76H10
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
CG11440	+ 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
CG 1903	+ unknown * HYPOTHETICAL 30.5 KD PROTEIN C30A5.3 IN CHROMOSOME III(aa) * CGI-95 protein(aa) * 2e-10
CG3403	MOB1_YEAST MOB1 PROTEIN (MPS1 BINDER 1) * 9e-09 putative mit CG3403 GH23829 42C6-42C6 ID:76H4
CG3403	+ enzyme * hexaprenyl pyrophosphate synthetase; Coq1p(aa) * 9e-26 COQ1_YEAST HEXAPRENYL PYROPHOSPHATE
CG10585	SYNTHETASE PRECURSOR (HPS) * 9e-13 trans-prenyltransferas [ATP_GTP_A] CG10585 GH23839 78A6-78A6 ID:76H7
	\cdot
CG3192	+ CG3192 ID:76H8
CG10570	+ unknown * 1E-125* * CG10570 GH23934 37B1-37B1 ID:77A3
00000	+ protein_kinase * DMSTPK Pk61C * DMFUSED_2 fu * similar to the CDF-1/PDGF receptor family of tyrosine protein
CG8866	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
000555	PRECURSOR larval cut * 5e-13 Lcp65Ac * CU16_MANSE LARVAL CUTICLE [CUTICLE // insect_cuticle] CG2555 GH23965
CG2555	11B10-11B10 ID:77A6
	+ brm DNA_binding * DMBRAPRO_6 brm * 1e-180 STH1_YEAST NUCLEAR PROTEIN STH1/NPS1 nuclear protein STH *
005040	BRM_DROME HOMEOTIC GENE REGULATOR (BRAHMA PROTEIN) transc * pred [SNF2_N] CG5942 GH23970 72C1-72C1
CG5942	ID:77A7
004000	+ transporter * EAT-4(aa) * 2e-55 Na(+)-dependent inorganic phosphate cotransporter mela * 4e-92 EAT-4 * 1e-57
CG4288	NPT1_MOUSE RENAL SODIUM-DEPENDENT PHOSPHATE TRANSPORT_CG4288 GH23975 92E8-92E8 ID:77A9
	+ enzyme * 3-hydroxyacyl-CoA dehydrogenase (hbd-8)(aa) * 9e-14 HCD1_CAEEL PROBABLE 3-HYDROXYACYL-COA
0040404	DEHYDROGENASE F54C8.1 * 1e-54 lambda-crystallin * 3e-74 C [3HCDH // NAD_BINDING // NLS_BP] CG10131 GH23990 51B7-
CG10131	51B7 dup:2/2 ID:77B1
CG6043	+ unknown * [PRO_RICH] CG6043 GH24071 34A11-34B1 ID:77B11
000004	+ e enzyme * ebony(aa) * e * ebony * 1e-56 bacitracin synthetase 3; BacC [AMP_BINDING // ACP_DOMAIN // AMP-bindin]
CG3331	CG3331 GH24002 93D2-93D2 dup:2/2 ID:77B2
0047504	+ enzyme * DMGST_3 GstD1 * 2e-44 unknown * 1e-13 GTT1_MOUSE GLUTATHIONE S-TRANSFERASE THETA (CLASS-
CG17534	THETA) * 6e-16 glutathione S-transferase theta GLUTATHIONE S [GST] CG17534 55C9-55C9 dup:4/4 ID:77B3
0040000	+ 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
000077	+ unknown * UBIQUINONE BIOSYNTHESIS PROTEIN COQ4 HOMOLOG(aa) * CGI-92 protein(aa) * 4e-38 COQ4_YEAST
CG3877	UBIQUINONE BIOSYNTHESIS PROTEIN COQ4 Coq4p * 3e-48 putative CG3877 GH24045 78A1-78A1 dup:1/2 ID:77B7
CC17446	+ enzyme * cDNA EST yk478b4.5 comes from this gene; cDNA EST comes from this gene; cDNA EST yk456b12.5 comes
CG17446	from this gene; cDNA EST comes from this gene(aa) [PHD] CG17446 GH24056 8D7-8D7 ID:77B9 + enzyme * DMGLUTAC_9 Glt * LIPASE PRECURSOR(aa) * GLUTACTIN PRECURSOR(aa) * 1e-42 EST1_CAEEL GUT
	ESTERASE PRECURSOR (NON-SPECIFIC CARBOXYLESTERASE) [CARBOXYLESTERASE_B_1 // ESTERASE // COe]
CG7529	CG7529 GH24077 78D7-78D7 ID:77C1
CG1329	CG1323 G1124011 10D1-10D1 ID.11C1

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
000001	+ 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
	+ transcription_factor * DMSUHW_6 su(Hw) * crol * zf43C * 7e-08 zinc finger 30C [zf-C2H2 // ZINC_FINGER_C2H2 //
CG7101	ZINC_FIN] CG7101 GH24178 17E1-17E1 ID:77C7
000000	+ transporter * DMWHITER_2 w * WHITE PROTEIN HOMOLOG(aa) * hypothetical protein * 3e-39 ORF YOL075c
CG9663	[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-
	SUBUNIT (BETA-ETF) * ICE_DROME CASPASE PRECURSOR (DRICE) drICE pr * [CASPASE_P10 // ICE_p10 //
CG7788	CASPASE P20 / CG7788 GH24292 99C4-99C4 ID:77D11
	+ unknown * R01H10.7(aa) * inositol polyphosphate 4-phosphatase, type II(aa) * inositol polyphosphate 4-phosphatase type
CG1846	II-alpha(aa) * 4e-58 inositol polypho [PH_DOMAIN] CG1846 GH24251 12E1-12E1 dup:2/2 ID:77D3
	+ 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
CG3006	+ enzyme * flavin containing monooxygenase 3(aa) * T3P18.10(aa) * similar to Flavin-binding monooxygenase-like(aa) * similar to flavin-containing monooxygena [ADXRDTASE // FADPNR // FMO-like // PNDR] CG3006 GH24271 60A13-60A13 ID:77D7
CG3000	+ signal_transduction * EPHRIN-B1 PRECURSOR (EPH-RELATED RECEPTOR TYROSINE KINASE LIGAND 2) (LERK-2)
	(ELK LIGAND PRECURSOR) (ELK-L) (XLERK)(aa) * 4e-13 cek5 receptor ligand [Ephrin] CG1862 GH24276 102C5-102C5
CG1862	ID:77D9
	+ transcription_factor * ORFveg132; similar to Caenorhabditis elegans ORF F59B10.1 encoded by EMBL Accession Number *
CG3328	protein(aa) * 2e-70 similarity to a transmembranous of [CASPASE_HIS] CG3328 GH24458 60B9-60B10 dup:3/3 ID:77E12
CG10108	+ phyl signal_transduction * phyl * 1e-175 phyllopod * phyllopod - fruit fly (Drosophila melanogaster) ORF * phyllopod [NLS_BP]
CG 10 108	CG10108 GH24326 51A-51A2 dup:2/2 ID:77E4 + 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
	+ enzyme * CYSTEINYL-TRNA SYNTHETASE (CYSTEINETRNA LIGASE) (CYSRS)(aa) * 5e-52 YNY7_YEAST PUTATIVE
	CYSTEINYL-TRNA SYNTHETASE C29E6.06C (CYSTEINETRNA LIGASE [TRNASYNTHCYS // tRNA-synt_1e] CG8257
CG8257	GH24360 50E2-50E2 dup:3/3 ID:77E7
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
CG0922 CG11440	+ wunen * similarity to phosphatidic acid phosphatase PA_PHOSPHATASE CG11440 ID:77F12
CG1888	+ unknown * [NLS BP] CG1888 GH24468 45F1-45F1 ID:77F2
331000	+ transmembrane_receptor * DMLRR47_3 Lrr47 * 8e-06 LRR47 protein - fruit fly (Drosophila melanogaster) (* 6e-06 Ras-
CG2143	binding protein SUR-8 leuc * 6e-06 Ras-binding protein SUR [LRR // LEURICHRPT] CG2143 GH24470 9C2-9C2 ID:77F3
CG10137	+ unknown * glycine-, glutamate-, thienylcyclohexylpiperidine-binding protein(aa) * 1e-59 protein * 1E-170* CG10137 37F1-

37	F1	Ιſ	7.7	77	F ⁄

+	enzyme * DMC103B4 * 1e-05	LYS2_YEAST AMINOADIPATE	E-SEMIALDEHYDE DEHYDI	ROGENASE LARGE SUBUNIT
(ALP	HA-AMINOADI * 2e-53 /match=((desc:; /ma * 4e-75 similar to Ar	rab [HELIX_LOOP_HELIX] C	G12268 GH24480 95C13-95C13
in 77				

CG12268 ID:77F5

+ enzyme * phosphatidylinositol synthase; Pis1p(aa) * phosphatidylinositol synthase(aa) * phosphatidylinositol synthase(aa) * 2e-31 PIS_YEAST CDP-DIACYLGLYCERO [CDP_ALCOHOL_P_TRANSF // CDP_ALCOHOL_P_T] CG9245 GH24502 13E14-

CG9245 13E14 ID:77F7

+ Uba1 enzyme * ubiquitin-activating enzyme * ubiquitin activating enzyme * predicted using Genefinder; Similarity to Mouse ubiquitin-activati * UBA1_MOUSE UBIQUIT [UBA_NAD // ThiF_family // UBIQUITIN_ACT] CG1782 GH24511 46A1-46A1 dup:3/3

CG1782 ID:77F8

CG14989 + unknown * 1E-128* * CG14989 64A7-64A7 dup:2/2 ID:77F9

+ Cyp6d4 cytochrome_P450 * THROMBOXANE-A SYNTHASE (TXA SYNTHASE) (TXS)(aa) * Similar to cytochrome P450(aa) * cytochrome P450(aa) * CYTOCHROME P450 4A11 PRECURSOR (CYPIVA11) [EP450II // p450 // P450 // MITP450 // B] CG12800

CG12800 GH24669 94C4-94C4 ID:77G11

+ endopeptidase * 2e-11 similar to Zinc-binding metalloprotease; cDNA EST come * 3e-14 NEP_MOUSE NEPRILYSIN (NEUTRAL ENDOPEPTIDASE) (NEP) (ENKEPHALINASE) (CD10) * 2e[NEPRILYSIN // PRENYLATION // ZINC_PROTE] CG3239

CG3239 GH24674 5A1-5A1 dup:1/3 ID:77G12

+ unknown * 1e-149 inserted at base Unknown 5' end of P element Plasmid rescue * * [NLS_BP] CG7682 GH24605 91A2-

CG7682 91A2 ID:77G5

+ 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-

CG6745 66D4 ID:77H10

+ 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

CG7178 + CG7178 dup:2/2 ID:77H12

+ ligand_binding_or_carrier * Acp29AB * mannan-binding lectin; collectin(aa) * 2e-16 accessory gland protein Acp29AB * 4e-08 FCE2_MOUSE LOW AFFINITY IMMUNOGLOBULIN EPSILON FC [lectin_c // C_TYPE_LECTIN_2] CG7106 GH24720 28D3-

CG7106 28D3 dup:1/2 ID:77H5

+ 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

+ inaC protein_kinase * protein kinase C (EC 2.7.1.-) beta-II - rat(aa) * DMPKCR_2 Pkc53E * DMPKC53E_2 inaC * 5e-78 KPC1_YEAST PROTEIN KINASE C-LIKE (PKC 1) serine/threoni [DAG_PE_BINDING_DOMAIN // PROTEIN_KINASE] CG6518

CG6518 GH24781 53E1-53E2 ID:77H9

CG12120 + unknown * CG12120 GH24835 8D4-8D4 ID:78A1

CG5453

CG16719	+ unknown * hypothetical protein(aa) * 3e-10 hypothetical protein * CG16719 GH24859 67B11-67B11 ID:78A4
CG10750	+ unknown * CG10750 GH24871 37D3-37D3 dup:1/3 ID:78A7
CG17617	+ EG:23E12.5 unknown * /match=(desc:; /match=(desc:(aa) * /match=(desc:; /ma * * CG17617 GH24929 cyto_unknown ID:78B1 + unknown * ATP(GTP)-binding protein(aa) * HYPOTHETICAL 39.7 KD PROTEIN C34E10.2 IN CHROMOSOME III(aa) *
CG10222	weak similarity to ATPases(aa) * Yor262wp(aa) [ATP_GTP_A] CG10222 GH25024 70A7-70A7 ID:78B10
CG10553	+ unknown CG10553 ID:78B2
CG10347	 unknown * 8e-10 partial CDS * * CG10347 10F2-10F2 dup:3/3 ID:78B3 EG:9D2.4endopeptidase * DMC9D2 * /motif=(desc:; /motif=(desc:; /motif=(desc:; /match=(desc:; /m * 2e-20 kallikrein * 1e-28
CG3795	mesotrypsinogen mesotrypsino [trypsin // CHYMOTRYPSIN // TRYPSIN_SER] CG3795 GH24985 2B8-2B8 ID:78B4 + * 2e-67 MAZS_YEAST PROBABLE ALPHA-GLUCOSIDASE FSP2 (MALTASE) (FLOCCULENT SPECIFIC PROTE * 1e- 154 MAL2_DROME POSSIBLE MALTASE PRECURSOR (LARVAL VISCERA [ALPHAAMYLASE // PRENYLATION // alpha-am]
CG14935	CG14935 33B2-33B2 dup:1/2 ID:78C1 + SP2523 motor_protein * 1e-05 YM96_YEAST HYPOTHETICAL 113.1 KD PROTEIN IN PRE5-FET4 INTERGENIC REGION * *
CG7493	CG7493 GH25141 66A8-66A8 dup:2/3 ID:78C11
	+ transporter * 3e-11 aquaporin * 4e-15 BIB_DROME NEUROGENIC PROTEIN BIG BRAIN bib protein - frui * 6e-15 similar to
CG4019	MIP protein * 1e-28 MIP_MOUSE LENS FIBER MAJOR [MINTRINSICP // MIP] CG4019 GH25142 59F1-59F2 ID:78C12
	+ 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
CG17450	 + unknown * CG17450 GH25094 cyto_unknown ID:78C5 + tkv signal_transduction * DMTVP_2 tkv * transmembrane receptor type I transforming growth factor beta receptor) plasma membrane plasma membrane) map position:25D6 * 2E-5[PROTEIN KINASE DOM // pkinase // TGFB R] CG14026 25C10-25D
CG14026	dup:4/7 ID:78D11
CG8444	+ CG8444 ID:78D12
	+ ftz-f1 steroid hormone receptor steroid receptor beta FTZ-F1 [Drosophila melanogaster] NUCLEAR_RECEPTOR,
CG4059	STRDHORMONER, STROIDFI] CG4059 GH25189 dup:3/3 ID:78D6
	+ transporter * peroxisomal Ca-dependent solute carrier(aa) * Similarity to N.crassa ADP/ATP carrier protein (SW:ADT_NEUCR)(aa) * 1e-38 probable membrane protein [mito_carr // MITOCARRIER // ADPTRNSLCAS] CG4392 GH25190
CG4392	69B3-69B3 dup:2/2 ID:78D7
CG3751	+ CG3751 dup:1/2 ID:78D9
CG7443	+ unknown * CG7443 GH25351 84F11-84F11 dup:2/2 ID:78E10
CG6730	+ Cyp4d21 cytochrome_P450 * DMC152A3 * Cyp4e2 * DMCYP4D2_12 Cyp4d2 * 1e-112 cytochrome P450 cytochrome P4 CG6730 GH25251 28A6-28B1 dup:2/2 ID:78E3
CG6470	
	+ unknown * 6e-32 antigen 5-related * 1e-19 antigen 5-related protein * 6e-34 Ag5r2 * VA3_SOLIN VENOM ALLERGEN III
CG17210	(ALLERGEN SOL I 3) (SOL I III) CG17210 GH25284 86D8-86D8 dup:2/2 ID:78E5

	+ enzyme * thioredoxin peroxidase (antioxidant enzyme)(aa) * 2e-58 TSA1_YEAST THIOL-SPECIFIC ANTIOXIDANT
CG1274	PROTEIN (PRP) thiol * 3e-72 similar to M. musculus MER [AhpC-TSA] CG1274 GH25379 63B5-63B5 ID:78F1
	+ enzyme * 8e-11 YGA1 YEAST PUTATIVE BETA-HYDROXYSTEROID DEHYDROGENASE/DELTA 5>4-ISOMERASE (*
CG7724	2e-12 weakly similar to dihydrokaempferol 4-reductase * 2e-21 [3Beta_HSD] CG7724 GH25466 73E5-73E5 dup:2/2 ID:78F12
	+ Ork1 ion channel * potassium channel, subfamily K, member (TASK-2); TASK-2(aa) * two P domain potassium channel
CG1615	ORK1(aa) * Ork1 * BLASTX 8.1E-08 Mus musculus TREK-1 K [CHANNEL_PORE_K] CG1615 GH25390 9F8-9F10 ID:78F2
	+ transporter * sodium-dicarboxylate cotransporter SDCT1(aa) * 8e-08 YJT8_YEAST HYPOTHETICAL 97.7 KD MEMBRANE
CG4961	PROTEIN IN PRP21-UBP12 INTERGENIC REGIO * 4e-29 YKG6_C CG4961 GH25396 92C4-92C4 dup:2/2 ID:78F3
CG1835	+ unknown * [NLS BP] CG1835 GH25431 19E2-19E2 ID:78F5
	+ Pk92B protein_kinase * coded for by C. elegans cDNA CEESN53F; similar to protein kinases including CDC15 in yeast(aa) *
	DMPK92B 4 Pk92B * 8e-43 protein kinase * protei[PROTEIN KINASE ST // TYRKINASE // PROTE] CG4720 GH25453 92B8-
CG4720	92B8 dup:2/3 ID:78F7
none	+ none GH25455 ID:78F8
	+ sut2 transporter * GLUCOSE TRANSPORTER TYPE 7, HEPATIC MICROSOMAL(aa) * Contains similarity to Pfam domain:
CG17975	(sugar_tr), Score=356.0, E-value=1.3e-103, N=1(aa) * solute CG17975 GH25507 44A4-44A4 dup:2/2 ID:78G4
	+ cell_adhesion * similar to the BPTI/Kunitz family of inhibitors; most similar to tissue factor pathway inhibitor precursor
CG1540	(TFPI)(aa) * similar to Kunitz/Bovine [ig // EGF_1 // BPTI_KUNITZ // Kunitz_BP] CG1540 GH25513 98D2-98D2 dup:1/3 ID:78G5
	+ transcription_factor * interleukin enhancer binding factor 2, 45kD(aa) * 2e-37 predicted using Genefinder; Similarity to Human
CG5641	NF45 protein (TR:Q * 5e-19 zinc finger RNA b [25A_SYNTH_2] CG5641 GH25564 87B15-87B15 ID:78H1
	+ 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
CG5677	+ CG5677 dup:2/2 ID:78H3
	+ signal_transduction * actin-filament binding protein Frabin(aa) * DMD547_2 still-life * 2e-14 still life type * 1e-34 guanine
CG7511	nucleotide exchange factor UNC-73A [GRF_DBL // RhoGEF // PH_DOMAIN] CG7511 GH25579 66A7-66A7 ID:78H4
	+ 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	ID:78H7
	+ Myo61F motor_protein * Myo61F * Myo31DF * 1e-143 YMZ9_YEAST HYPOTHETICAL MYOSIN-LIKE PROTEIN IN ILV2-ADE17
	INTERGENIC REGION * myosin IB - fruit fly (Drosophila melanoga[myosin_head // IQ // MYOSINHEAVY // ATP] CG9155 GH25605
CG9155	62B4-62B4 dup:3/3 ID:78H8
	+ BcDNA:GH06348 enzyme * predicted using Genefinder; Similarity to Human pyruvate carboxylase cDNA EST comes from this
CG1516	gene; cDNA EST comes from this gene; cDNA EST comes f [CPSase_L_chain] CG1516 GH25836 46B14-46C1 dup:5/8 ID:79B10
004007	+ * Chain B, * 305aa long hypothetical * lysosomal * PUTATIVE N4-(BETA-N-ACETYLGLUCOSAMINYL)-L-ASPARAGINASE
CG1827	PRECURSOR (GLYCOSYLASPARAGINASE) (ASPARTYLG [Asparaginase_2] CG1827 45F4-45F4 dup:2/2 ID:79B3
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

	+ ligand_binding_or_carrier * GTP binding protein, almost identical to Gsp1p; Gsp2p(aa) * 3e-70 GSP2_YEAST GTP-BINDING
	NUCLEAR PROTEIN GSP2/CNR2 GTP-bind * 3e-23 rab11 * 6e[ras // GTPRANTC4 // ATP_GTP_A // RASTRN] CG7815 GH25818
CG7815	75F9-75F9 ID:79B9
	+ unknown * No definition line found(aa) * 6e-23 No definition line found * No definition line found * No definition line found
CG11473	CG11473 5A9-5A9 ID:79C12
	+ enzyme * 1e-19 probable membrane protein YLR070c - yeast (Saccharomyces cerevisiae) * 8e-40 sorbitol dehydrogenase *
CG4836	5e-39 similar to sorbitol dehydrogenase; [adh_zinc // NLS_BP] CG4836 GH25858 92C-92C dup:1/4 ID:79C3
CG13515	+ unknown * CG13515 GH25860 58F4-58F4 ID:79C4
CG7011	+ unknown * hypothetical 43.2 kDa protein(aa) * predicted using Genefinder; Similarity to Yeast hypothetical protein YAE2 (SW:YAE2_YEAST); cDNA EST comes from t CG7011 GH25868 71B3-71B3 dup:2/2 ID:79C6
CG/UTT	+ 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
000.00	+ 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
CG17470	+ unknown * CG17470 GH26094 38E-38E dup:2/2 ID:79E10
	+ enzyme_activator * HYPOTHETICAL 45.1 KD PROTEIN IN IMP2-DNA43 INTERGENIC REGION(aa) * phosphotyrosyl
CG8509	phosphatase activator(aa) * similar to hosphotyrosyl phosphatase CG8509 GH26069 13F1-13F1 dup:2/2 ID:79E2
	+ unknown * hypothetical protein(aa) * Hrt2p(aa) * F31D4.2(aa) * hypothetical protein(aa) [NLS_BP] CG11475 GH26080
CG11475	58C1-58C1 dup:2/2 ID:79E5
CG9848	+ unknown * 3e-09 probable membrane protein YPR028w - yeast (Saccharomyces cerevisiae) * 4e-46 YSV4_CAEEL HYPOTHETICAL 26.6 KD PROTEIN T19C3.4 IN CHROMOSOME III [PRO_RICH] CG9848 GH26090 59B4-59B6 dup:4/4 ID:79E9
CG9040	+ transcription_factor * segmentation protein hairy - fruit fly (Drosophila melanogaster)(aa) * DMHAIRG_5 h * 3e-07 lin-22 * 2e-
	18 HES1 MOUSE TRANSCRIPTION FACTOR HES-1 (HAI [HLH // HELIX LOOP HELIX 2] CG10446 37B10-37B10 dup:2/2
CG10446	ID:79F1
	+ 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
	+ motor_protein * homeotic most like HMPB_DROME: homeotic proboscipedia protein(aa) * 1e-05 neurofilament triplet H1
CG12105	protein - rabbit (fragment) neuro * * [GRAM_POS_ANCHORING // NLS_BP] CG12105 GH26183 62A-62A dup:2/2 ID:79F12
007007	+ 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 + transporter * aquaporin 2(aa) * 1e-07 YFF4 YEAST HYPOTHETICAL 70.5 KD PROTEIN IN AGP3-DAK3 INTERGENIC
	REGION * 8e-05 BIB_DROME NEUROGENIC PROTEIN BIG BRAIN bib pr [MINTRINSICP // MIP] CG5398 GH26134 59F1-59F1
CG5398	ID:79F5
CG18316	+ * CG18316 44A4-44A4 dup:2/3 ID:79F6
22.30.0	+ transcription factor * determined by GENSCAN prediction and spliced EST; match to EST * 5e-09 YK09 YEAST
	HYPOTHETICAL 85.5 KD PROTEIN IN SAP190-SPO14 INTERGENIC REGIO[SÉT_DOMAIN // SET // PHD // NLS_BP] CG9007
CG9007	GH26152 70C9-70C10 dup:2/2 ID:79F7

CG4715	+ unknown * CG4715 GH26159 21E-21E ID:79F9
001110	+ 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
CG12136	+ unknown * [AA_TRNA_LIGASE_I // NLS_BP] CG12136 GH26280 8D10-8D10 ID:79G11
CG6836	+ unknown * CG6836 GH26215 75E6-75E6 ID:79G4
CG17012	+ Caenorhabditis elegans 'similar to peptidase family S1 (trypsin family)' EMBL:U58751 CG17012 ID:79G7
333.2	+ BG:DS01068.2 unknown * hypothetical protein(aa) * 1e-98 R08F11.1 gene product * 7e-50 putative protein * unknown
CG7469	[HMG_COA_REDUCTASE_2] CG7469 GH26380 34F5-34F5 dup:2/2 ID:79H12
	+ actin_binding * 1e-05 contains similarity to the kelch/MIPP family * 1e-06 Keap1 * 1e-07 The gene product is related to
CG12423	Drosophila melanogaster ri * 1e-06 kelch pro [BTB] CG12423 GH26310 cyto_unknown ID:79H3
	+ unknown * contains similarity to E. coli cation transport protein * 6e-16 YEZ3_YEAST HYPOTHETICAL 26.3 KD PROTEIN
CG10365	IN RAD4-CHD1 INTERGENIC REGION * 3e-22 cont CG10365 GH26317 95B5-95B5 ID:79H4
	+ unknown * 5e-07 hypothetical protein YOL114c - yeast (Saccharomyces cerevisiae) * 2e-17 R02F2.2 gene product * 3e-23
CG6094	immature colon carcinoma transcript prote [NLS_BP] CG6094 GH26345 31E5-31E5 ID:79H6
CC 44.00	+ unknown * contains similarity to BC-2 protein * 1e-45 developmental protein * hypothetical protein * [NLS_BP] CG4108
CG4108	GH26351 75D2-75D2 ID:79H7
CG7300	 unknown * CG7300 GH26358 32A-32A ID:79H9 SXI RNA_binding * DMSX1PS1_2 SXI * 7e-15 PABP_YEAST POLYADENYLATE-BINDING PROTEIN, CYTOPLASMIC AND
CG18350	NUCLEAR (PABP) (ARS CO * 1e-158 sex-lethal sex determination protei CG18350 sxl-male 6F5-6F5 dup:6/7 ID:8-31 cntrlBA10
0010000	+ da transcription factor * TRANSCRIPTION FACTOR E2-ALPHA (IMMUNOGLOBULIN ENHANCER BINDING FACTOR E12)
	(TRANSCRIPTION FACTOR-3) (TCF-3) (TRANSCRIPTION FACTOR ITF-[HLH // HELIX_LOOP_HELIX // PEROXIDASE_1]
CG5102	CG5102 da 31E1-31E1 dup:3/3 ID:8-31 cntrlBA11
CG4694	+ her CG4694 her dup:2/2 ID:8-31 cntrlBA4
CG16724	+ tra CG16724 tra dup:2/2 ID:8-31 cntrlBA5
CG13201	+ ix CG13201 ix dup:2/2 ID:8-31 cntrlBA6
	+ Cry photoreceptor * cry * 4e-13 photolyase (EC 4.1.99.3) * blue-light receptor (AF0 * 3e-99 photolyase/blue-light receptor
CG3772	homolog [DNA_photolyase // DNAPHOTLYASE] CG3772 cyr 94B1-94B1 dup:4/4 ID:8-31 cntrlBB4
	+ 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
CG11387	+ cut CG11387 cut dup:2/2 ID:8-31 cntrlBB6
CG1378	+ tll steroid_hormone_receptor CG1378 tll dup:2/2 ID:8-31 cntrlBC1
	+ pnt transcription_factor * DMPOINT2A_2 pnt * PNT2_DROME ETS-LIKE PROTEIN POINTED P2 (D-ETS-2) gene po * 3e-12
CC17077	contains similarity to DNA-binding domain of [HSF_ETS // ETSDOMAIN // Ets // ETS_DOMA] CG17077 pnt-p1 94E12-94F1 dup:4/7
CG17077	ID:8-31 cntrlBC10

CG6496	+ pdf CG6496 pdf dup:2/2 ID:8-31 cntrlBC11
004050	+ ttk transcription_factor * DNA-binding protein ttk - fruit fly (Drosophila melanogaster)(aa) * DMDNABPMR_2 ttk * DNA binding
CG1856	protein * 3e-06 contains sim[BTB // zf-C2H2 // ZINC_FINGER_C2H2 // Z] CG1856 HK or ttK 100E1-100E1 dup:5/7 ID:8-31 cntrlBC2
CG1539	+ spdo actin_binding * sanpodo protein(aa) * 1e-179 sanpodo protein * 8e-47 Similar to tropomodulin; coded for by C. elegans cDNA yk88e7.5; coded for by C. * 6e-47 TMOD_MO CG1539 sanpodo 100A-100A dup:3/3 ID:8-31 cntrlBC5
CG17348	+ drl CG17348 drl dup:2/2 ID:8-31 cntrlBC8
CG1374	+ tsh transcription_factor CG1374 tsh dup:3/3 ID:8-31 cntrlBD3
001071	+ inv transcription_factor * SEGMENTATION POLARITY PROTEIN ENGRAILED(aa) * DMINVR_2 inv * INVECTED
	PROTEIN(aa) * 2e-29 HM16_CAEEL HOMEOBOX PROTEIN ENGRAILED-LIKE CEH-16 homology CG17835 inv 47F17-48A
CG17835	dup:3/4 ID:8-31 cntrlBD4
	+ pros transcription_factor * DMPROS_3 pros * PRO_DROME PROTEIN PROSPERO homeotic protein prospero - f * 4e-58
CC17000	HM26_CAEEL HOMEOBOX PROTEIN CEH-26 K12H4.1 protein - Caen * 2e-50 [PRO_RICH] CG17228 pros p'3' 3211 86E2-86E2
CG17228 CG4354	dup:4/4 ID:8-31 cntrlBD7 + slbo CG4354 slbo dup:2/2 ID:8-31 cntrlBD9
CG4354	+ Antp transcription factor * DMANTPG5 7 Antp * 1e-159 HMAN DROME HOMEOTIC ANTENNAPEDIA PROTEIN homeotic
	protein * 7e-23 DNA-binding protein mab5 * 5e-34 HXB7_MOUSE HOMEOBOX PROT CG1028 ANTP 84B-84D11 dup:3/3 ID:8-31
CG1028	cntrlBE12
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	[LIM_DOMAIN_1 // HOMEOBOX_1 // homeobox] CG10619 islet 37B5-37B5 dup:3/3 ID:8-31 cntrlBF7
CG2956	+ twist transcription_factor CG2956 twist dup:3/5 ID:8-31 cntrlBG3
CG10325	+ abdA transcription_factor CG10325 abdA dup:4/4 ID:8-31 cntrlBH1
CG7902	+ Bap transcription_factor CG7902 Bap dup:6/6 ID:8-31 cntrlBH11
CG1133	+ opa transcription_factor CG1133 opa dup:4/4 ID:8-31 cntrlBH4
CG2328	+ eve transcription_factor CG2328 eve dup:2/2 ID:8-31 cntrlBH7 + 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
000000	+ dMEF2 * DMMEF2_2 Mef2 * myocyte enhancer-binding factor 2(aa) * 5e-07 RLM1_YEAST TRANSCRIPTION FACTOR RLM1
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:80A8
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
CG9392	+ motor_protein * BACR37P7.j(aa) * MICRONUCLEAR LINKER HISTONE POLYPROTEIN (MIC LH) LINKER HISTONE PROTEINS ALPHA, BETA, DELTA AND * * CG9392 GH26462 76C1-76C1 ID:80B3
CG9392	FROTEINS ALFIIA, DETA, DELIA AND CG9592 GFI20402 70CT-70CT ID.00D5

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
CG0330	+ 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
	+ actin_binding * 4e-21 alternatively spliced form * 2e-31 similar to actin binding domain of alpha-actinin and spectra beta chain
CG3960	* 6e-30 mouse smoothelin, large iso [CH_DOMAIN // CH] CG3960 GH26714 6B3-6C1 dup:3/3 ID:80D12
	+ enzyme * dihydrolipoamide S-acetyltransferase (EC 2.3.1.12) precursor - Arabidopsis thaliana (fragment)(aa) *
CG5261	Dihydrolipoamide acetyltransferase component (E [LIPOYL // 2-oxoacid_dh // biotin_lipoyl] CG5261 27F7-27F7 ID:80D4
CG11700	+ CG11700 dup:1/2 ID:80D5
CG5755	+ transporter * TB1(aa) * * [mito_carr] CG5755 GH26696 36E-36E ID:80D7
CG4669	+ unknown * [PRO_RICH] CG4669 GH26702 64D1-64D1 ID:80D8
CG11353	+ unknown * HYPOTHETICAL 90.9 KD PROTEIN C08B11.4 IN CHROMOSOME II(aa) * weak similarity to nodulation protein X (probable sugar acetylase) (Swiss Prot accessio CG11353 GH26735 64B13-64B14 dup:3/3 ID:80E2
CG11333	+ motor_protein * APXL(aa) * 2e-23 APXL * 2e-23 apical protein, Xenopus laevis-like * [PRO_RICH] CG8603 GH26744 50F6-
CG8603	50F6 dup:4/4 ID:80E4
CG5758	+ unknown * CG5758 GH26746 36E-36E dup:2/2 ID:80E5
	+ RpL23a ribosomal_protein * ribosomal protein L23a(aa) * 5e-38 RL25_YEAST 60S RIBOSOMAL PROTEIN L25 (YL25) (RP61L)
	rib * 5e-38 RL2C_CAEEL PROBABLE 60S RIBOSOMAL PROTEIN L23A ([Ribosomal_L23 // RIBOSOMAL_L23 // NLS_B] CG7977
CG7977	62A11-62A11 dup:3/3 ID:80E8
CG7445	+ fln cytoskeletal_structural_protein * DMFLIGHT_2 fln * FLIGHTIN (MUSCLE PROTEIN 27)(aa) * 2e-19 CMP-N-acetylneuraminic acid synthetase * myofibrillar protein flightin - fruit fly (Drosop CG7445 GH26786 76E2-76E2 dup:3/3 ID:80E9
CG7445	+ fu12 enzyme * 1-ACYL-SN-GLYCEROL-3-PHOSPHATE ACYLTRANSFERASE(aa) * PUTATIVE 1-ACYL-SN-GLYCEROL-3-
	PHOSPHATE ACYLTRANSFERASE T06E8.1 (1- AGP ACYLTRANSFERASE) (1-AG [GLYCEROL_ACYLTRANS] CG17608
CG17608	GH26888 29C4-29C4 ID:80F12
	+ 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
	+ cell_adhesion * yl * 9e-73 YL_DROME PUTATIVE VITELLOGENIN RECEPTOR PRECURSOR (YL) puta * 1e-96 contains
CG4823	similarity to EGF-like domains * 1e-132 AM2 receptor [LDLRA_2 // LDLRECEPTOR // EGF_2 // EGF_] CG4823 GH26833 96F1- 96F1 dup:2/2 ID:80F6
CG4623	+ enzyme * CGI-82 protein(aa) * 1e-16 YM71 YEAST HYPOTHETICAL OXIDOREDUCTASE IN MRPL44-MTF1
	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

0040400	+ unknown * 1E-38* 9e-24 inserted at base Both 5' and 3' ends of P element Inverse PCR * CG13130 GH26896 30F4-30F4
CG13130	ID:80G1
	+ ion_channel * Vdac * DMMITPORN_2 porin * 1e-09 POR2_YEAST OUTER MITOCHONDRIAL MEMBRANE PROTEIN
0047407	PORIN (VOLTAGE-DEPENDENT ANION * 3e-66 voltage dependent anion-sele [Euk_porin // EUKARYTPORIN] CG17137
CG17137	GH26967 32B3-32B3 ID:80G10
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
000000	+ 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
0045400	+ unknown * hypothetical protein(aa) * hypothetical protein YPL086c - yeast (Saccharomyces cerevisiae) (* Similarity to Yeast
CG15433	LPG22P protein cDNA EST EMBL:T0 * CG15433 GH27091 26A1-26A1 ID:80H11
0045004	+ unknown * 3e-12 YKJ5_YEAST 32.3 KD PROTEIN IN CWP1-MBR1 INTERGENIC REGION * 1e-64 YS19_CAEEL
CG15084	HYPOTHETICAL 42.1 KD PROTEIN IN CHROMOSOME III * 1e-17 unknown * CG15084 GH26994 55F4-55F4 ID:80H2
CG8012	+ unknown * CG8012 GH26995 67E7-67E7 ID:80H3
CG18138	+ unknown * CG18138 GH27024 65E5-65E5 ID:80H4
	+ enzyme * 2e-08 ACH1_YEAST ACETYL-COA HYDROLASE (ACETYL-COA DEACYLASE) (ACETYL-COA ACYLASE) * 1e-
CG7920	136 coded for by C. elegans cDNA yk20f6.3; coded for by C. el [ATP_GTP_A] CG7920 GH27164 99D4-99D4 dup:2/2 ID:81A11
	+ endopeptidase * SORCIN(aa) * 8e-12 YG25_YEAST HYPOTHETICAL 38.4 KD PROTEIN IN MUP1-SPR3 INTERGENIC
004==0=	REGION * 1e-15 CAN_DROME CALPAIN (CALCIUM-ACTIVATED NEUTRAL PROTE [EF_HAND // efhand // EF_HAND_2]
CG17765	CG17765 47A9-47A9 dup:3/3 ID:81A2
0047000	+ Vha55 enzyme * ATPase, H+ transporting, lysosomal (vacuolar proton pump), beta polypeptide, 56/58kD, isoform 2(aa) * H+-
CG17369	ATPase beta subunit(aa) * PROBABLE VACUOLAR [ATP-synt_ab] CG17369 GH27148 87C5-87C5 dup:3/3 ID:81A7
	+ yin transporter * opt1 long(aa) * 8e-17 PTR2_YEAST PEPTIDE TRANSPORTER PTR2 (PEPTIDE PERMEASE PTR2) * 8e-74
000040	high-affinity peptide transporter * 2e-06 cAMP inducible p [PTR2 // PTR2_1 // PTR2_2] CG2913 GH27264 4A1-4A1 dup:2/2
CG2913	ID:81B12
	+ transporter * amino acid transporter chain (AmAt-L-Ic) ASUR4(aa) * Similarity to Human membrane protein E16 (SW:E16 HUMAN); cDNA EST comes from this gene; cDNA ES [AROMATIC AA PERMEASE 2 // aa permeases] CG1607
CG1607	GH27380 100C-100C ID:81C11
CG8861	+ unknown * CG8861 GH27383 85D7-85D7 ID:81C12
CG11625	+ unknown * CG11625 GH27289 92A4-92A4 dup:2/2 ID:81C4
CG2968	+ CG2968 ID:81C7
007077	+ enzyme * antennal-specific short-chain dehydrogenase/reductase(aa) * BLASTX 3.5E-15 YMR226C Protein with similarity to
CG7077	insect-type alcohol dehydrogenase, rib [adh_short] CG7077 GH27329 94A14-94A14 dup:2/2 ID:81C8
	+ BcDNA:GM04682 endopeptidase * MICROSOMAL SIGNAL PEPTIDASE KD SUBUNIT (SPC18)(aa) * signal peptidase complex
000050	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

CG8733	+ Cyp305a1cytochrome_P450 * CYTOCHROME P450 76C4(aa) * cytochrome P450 epoxygenase(aa) * cinnamate 4-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
	+ unknown * 2e-11 cDNA EST CEMSB78F comes from this gene; cDNA EST yk293d9.3 comes * 2e-10 Unknown * CG12118
CG12118	GH27430 8D2-8D2 dup:3/4 ID:81D8
	+ enzyme * phosphodiesterase 6B, cGMP-specific, rod, beta (congenital stationary night blindness 3, autosomal dominant);
CC9270	PDEB(aa) * 7e-45 YBZJ_CAEEL PROBABLE 3 [PDEase // PDIESTERASE1 // PDEASE_I // P] CG8279 GH27433 89E3-88C6 dup:2/2 ID:81D9
CG8279	+ protein_kinase * similar to serine/threonine kinase(aa) * 3e-37 hypothetical protein YPL236c - yeast (Saccharomyces
	cerevisiae) * 2e-17 SNF1A/AMP-activated protein k [PROTEIN_KINASE_ST // PROTEIN_KINASE_DOM] CG1227 84C7-84C7
CG1227	dup:3/3 ID:81E11
CG6503	+ CG6503 dup:2/2 ID:81E12
	+ unknown * 7e-07 probable membrane protein YOL031c - yeast (Saccharomyces cerevisiae) * 1e-11 SLS1_YARLI SLS1
CG10420	PROTEIN PRECURSOR SIs1 protein precurso * 7e-83 i CG10420 GH27496 96C3-96C3 dup:3/4 ID:81E3
	+ 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
	+ unknown * 1e-16 No definition line found * W06B11.1 gene product * 1e-16 No definition line found * W06B11.1 gene product
CG3967	CG3967 GH27541 67B2-67B3 dup:2/2 ID:81E6
CG11595	+ unknown * CG11595 GH27568 12D5-12D5 dup:2/2 ID:81E9
000405	+ * 1e-15 YMB8_YEAST HYPOTHETICAL 43.7 KD PROTEIN IN OST6-PSP2 INTERGENIC REGION * 7e-23 No definition
CG8195	line found * 2e-19 hypothetical protein * hypothe CG8195 52A13-52A13 ID:81F1
CG8552	+ ligand_binding_or_carrier * verprolin(aa) * mucin (clone PGM-2A) - pig(aa) * Sec23-interacting protein p125(aa) * DMCLPTN_6 Cpn [GRAM_POS_ANCHORING] CG8552 GH27701 28E-28E9 dup:3/3 ID:81F10
CG0552	+ enzyme * 2e-32 YPT6_YEAST GTP-BINDING PROTEIN YPT6 YPT6 protein - yeas * 2e-34 rab6 * 3e-53 similar to ras-
	related protein * 9e-34 RB17_MOUSE RAS-RELATED PRO [ALDEHYDE_DEHYDR_CYS // ras // ATP_GTP_A] CG17515
CG17515	GH27649 cyto unknown ID:81F2
	+ Cyp6u1 cytochrome_P450 * PUTATIVE CYTOCHROME P450 T10B9.7 IN CHROMOSOME II(aa) * similar to cytochrome
	P450(aa) * DMCYP6A2A_5 Cyp6a2 * 3e-16 CP51_YEAST CYTOCHROME P450 (CYP [EP450II) // p450 // P450 // MITP450 // C]
CG3567	CG3567 GH27663 42D4-42D4 ID:81F6
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
	+ enzyme * threonyl-tRNA synthetase(aa) * threonyl-tRNA synthetase (aa 1-734) * SYTC_CAEEL PROBABLE THREONYL-
005050	TRNA SYNTHETASE, CYTOPLASMIC (THREONINETRNA LIG [TRNASYNTHTHR // tRNA-synt_2b // AA_TRNA] CG5353
CG5353	GH27773 33C1-33C1 ID:81G11

	+ * UDP-GLUCURONOSYLTRANSFERASE 2B13 PRECURSOR, MICROSOMAL (UDPGT)(aa) * UDP-
	GLUCURONOSYLTRANSFERASE 2B20 PRECURSOR, MICROSOMAL (UDPGT)(aa) * similar t [UDPGT] CG17323 37B3-37B3
CG17323	dup:1/2 ID:81G12
CG14735	+ unknown * CG14735 GH27720 87A10-87A10 ID:81G2
CG8813	+ transcription_factor * CG8813 GH27752 23B5-23B5 dup:1/2 ID:81G5
CG4955	+ RNA_binding * CG4955 GH27756 15D1-15D1 ID:81G7
	+ Cyp4d20 cytochrome_P450 * /motif=(desc:; /match=(desc:; /match=(desc:; /match=(desc:; /motif=(desc:(aa) * 1e-70 similar to
	cytochrome P450; cDNA EST CEMSH91R comes from this [EP450II // p450 // P450 // MITP450 // B] CG16761 GH27758 62E5-
CG16761	62E5 ID:81G8
CG15360	+ unknown * CG15360 GH27779 22B3-22B3 ID:81H1
CG5048	+ unknown * CG5048 GH27783 70F1-70F1 ID:81H2
	+ Gel actin_binding * DMGELS_2 Gel * gelsolin, secreted form precursor - fruit fly (Drosophila melanogaster) * 2e-73 similar to
CG1106	gelsolin; cDNA EST comes from this gene * [GELS // GELSOLIN // Gelsolin] CG1106 GH27784 82A2-82A3 ID:81H3
CG2865	*
0047070	+ * 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 + enzyme * G4 nucleic acid binding protein, involved in tRNA aminoacylation; Arc1p(aa) * PROBABLE METHIONYL-TRNA
CG8235	+ enzyme * G4 nucleic acid binding protein, involved in tRNA aminoacylation; Arc1p(aa) * PROBABLE METHIONYL-TRNA SYNTHETASE (METHIONINETRNA LIGASE) (METRS)(a CG8235 GH27932 44F9-44F9 ID:82A6
000233	+ 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
	+ structural_protein * Gasp precursor(aa) * 1e-09 Gasp precursor * 3e-07 R02F2.4 gene product * 9e-13 insect intestinal mucin
CG4948	IIM22 CG4948 GH28017 66F4-66F4 dup:3/3 ID:82B4
	+ RNA_binding * protein(aa) * 2e-49 ovarian protein - fruit fly (Drosophila melanogaster) s * 8e-75 YLF1_CAEEL
005705	HYPOTHETICAL 42.4 KD PROTEIN C40H1.1 IN CHROMOSOME II [RNP_1 // RBD // PFKB_KINASES_1 // rrm] CG5735
CG5735	GH28038 66E4-66E4 dup:2/3 ID:82B7
	 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
CG 1922	+ nucleic_acid_binding * unknown(aa) * weak similarity with BRKA gene from Bordetella Pertussis; cDNA EST comes from
CG4405	this gene; cDNA EST comes from this gene(aa) * 2e-52 (P CG4405 GH28348 30B11-30B12 dup:2/3 ID:82C11
	+ ligand_binding_or_carrier * 16k antigen precursor - nematode (Onchocerca volvulus)(aa) * phosphatidylethanolamine binding
CG6180	protein Ovd1 - nematode (Onchocerca volvulus) (fragmen [PBP] CG6180 33F2-33F2 dup:1/2 ID:82C12
CG17034	+ transporter * chromaffin granule ATPase II homolog(aa) * ATC3_YEAST PROBABLE CALCIUM-TRANSPORTING

	ATPASE (ENDOPLASMIC RETICULUM CA2+-AT * 9e-12 OBA5_DROME PUTAT [ATPASE_E1_E2 // CATATPASE // NLS_BP //]
	CG17034 GH28327 50A9-50A9 ID:82C4 + RNA_binding * hypothetical protein(aa) * heterogeneous nuclear ribonucleoprotein R(aa) * 1e-08 RN15_YEAST MRNA 3'-
	END PROCESSING PROTEIN RNA15 RNA15 pro * 6e-16 p [RBD // rrm // NLS_BP] CG17838 GH28335 92F10-92F10 dup:2/5
CG17838	ID:82C6
	+ endopeptidase * DMSTUBBLE_1 Sb * 7e-07 T2D4_YEAST TRANSCRIPTION INITIATION FACTOR TFIID KD SUBUNIT (TAFII-90) * 2e-26 EAST DROME SERINE PROTEASE EASTER PRECURSOR se [trypsin // CHYMOTRYPSIN // TRYPSIN SER
CG1773	1 CG1773 GH28342 46A3-46A3 ID:82C7
001110	+ endopeptidase * Ser12 * DMEAST_4 ea * Ser6 * DMSTUBBLE_1 Sb [trypsin // CHYMOTRYPSIN // TRYPSIN_HIS]
CG9676	CG9676 15A1-15A1 dup:1/3 ID:82C8
CG7206	+ unknown * CG7206 GH28353 16F7-16F7 dup:2/2 ID:82D1
000550	+ 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
CG8854	 unknown * CG8854 GH28507 48F3-48F3 ID:82D12 AcCoAS enzyme * DMACOASYN_2 AcCoAS * 1e-154 ACS2_YEAST ACETYL-COENZYME A SYNTHETASE (ACETATECOA
	LIGASE 2) (ACYL-ACTIVAT * acetyl-CoA synthetase - fruit fly (Droso [AMP_BINDING // AMPBINDING // AMP-bindin] CG9390
CG9390	78C7-78C7 ID:82D4
	+ enzyme * phosphoglyceromutase - fruit fly (Drosophila melanogaster)(aa) * DMPGLY_4 Pglym78 * 3e-72 PMG1_YEAST
	PHOSPHOGLYCERATE MUTASE (PHOSPHOGLYCEROMUTASE 1 [PGAM // PG_MUTASE] CG17645 GH28416 87B7-87B7
CG17645	ID:82D6
	+ Galpha49B signal_transduction * 7e-50 GBA2_YEAST GUANINE NUCLEOTIDE-BINDING PROTEIN ALPHA-2 SUBUNIT (GP2-ALPHA) * 1e-169 GBQ3_DROME GUANINE NUCLEOTIDE-BINDING PROTEIN G(Q), ALPH[GPROTEINA // G-alpha //
CG17759	GPROTEINAQ // G] CG17759 GH28437 49B3-49B5 ID:82D7
0017733	+ transporter * similar to C. elegans protein and to rat synaptic vesicle protein * putative integral membrane transport
CG8654	protein(aa) * HYPOTHETICAL 84.8 KD PROTEIN [sugar_tr] CG8654 GH28654 56F-56F dup:2/2 ID:82E12
CG11347	+ unknown * [NLS_BP] CG11347 GH28550 64B11-64B11 dup:2/2 ID:82E4
CG7093	+ unknown * [PRO_RICH] CG7093 GH28569 28D5-28D5 dup:2/2 ID:82E6
CG6908	+ unknown * 6e-20 /match=(desc:; /ma * * CG6908 GH28576 86F1-86F1 dup:2/2 ID:82E7
004000	+ 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 + Rh5 G protein linked receptor * Rh5 * DMNKDTACH 2 Takr86C * OPSIN RH4 (INNER R7 PHOTORECEPTOR CELLS
	+ 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
0000	+ unknown * clot.599(dna)* 1e-104 I(3)j1D5 I(3)j1D5 inserted at base Both 5' and 3' ends of P element Inverse PCR *
CG8588	CG8588 GH28656 65F4-65F4 dup:3/4 ID:82F1
22.2	+ 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
CG14996	(SW:SM2H_HUMAN); cDNA EST comes from this gene; cDNA EST [SM22CALPONIN // CH] CG14996 GH28730 64A9-64A9 dup:2/2 ID:82F12
0014990	+ transcription_factor * 8e-09 C24H11.6 * 1e-31 SRB7 SRB protein * SRB7 (suppressor of RNA polymerase B, yeast) homolog
CG17397	RNA polymerase * CG17397 GH28678 cyto_unknown ID:82F4
	+ cytoskeletal_structural_protein * erythroid ankyrin(aa) * DMCACTUSB_8 cact * 1e-07 probable membrane protein YOR034c - yeast (Saccharomyces cerevisiae) [ANK REP // ank // ANK REP REGION // ZF] CG17492 GH28686 37B10-37B11 dup:5/6
CG17492	- yeast (Saccharomyces cerevisiae) [ANK_REP // ank // ANK_REP_REGION // ZF_J CG 17492 GH26666 37610-37611 dup.5/6 ID:82F5
CG12040	+ unknown similar to GTPase-activating (rhoGAP) like protein CRAL_TRIO CG12040 GH28696 dup:2/2 ID:82F6
	+ peptidase * leucyl aminopeptidase - like protein (partial)(aa) * 1e-103 leucine aminopeptidase * 1e-105 AMPL_BOVIN CYTOSOL AMINOPEPTIDASE (LEUCINE AMINOPEPTIDAS [LAMNOPPTDASE // CRYSTALLIN_BETAGAMMA //] CG8040
CG8040	GH28719 67D12-67D13 dup:3/3 ID:82F9
CG17884	+ Snap25 synaptosome-associated_protein Synapse protein 25 CG17884 GH28821 ID:82G10
	+ Lk6 protein_kinase * 7e-51 LK6 protein kinase * 2e-06 similar to serine/threonine kinase; cDNA EST comes fro * 2e-11 map kinase interacting kinase * 3e-12 Putative map k [PROTEIN_KINASE_ST // PROTEIN_KINASE_DOM] CG17342 GH28825 86F7-
CG17342	86F7 ID:82G11
CG8006	+ unknown * CG8006 GH28769 67E7-67E7 ID:82G2
	+ CREG unknown * CREG * 1e-112 cellular repressor of E1A-stimulated genes CREG * 8e-25 cellular repressor of E1A-
CG5413	stimulated genes CREG * 2e-22 UNKNOWN cellular repre CG5413 GH28782 90A6-90A6 ID:82G3
CG4088	+ lat DNA_replication_factor * recognition complex subunit mela * 8e-92 recognition complex subunit * 9e-95 recognition complex associated protein p81 * 2e-92 inserted at base Bot [NLS_BP // ATP_GTP_A] CG4088 GH28787 49F10-49F10 dup:1/2 ID:82G4
CG13316	+ * 0.00000002* * CG13316 3F2-3F2 ID:82G7
CG2640	+ unknown * CG2640 GH28833 84C-84C ID:82H2
CG17676	+ 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
	+ ribosomal_protein * 5e-46 RS41_YEAST 40S RIBOSOMAL PROTEIN RP41 (YS12) (S18A / S18B) * 4e-56 Similarity to Human 40S ribosomal protein S11 (SW:RS11_HUMAN); cDN * [RIBOSOMAL_S17 // Ribosomal_S17 // RIBOS] CG8857 GH28880
CG8857	48F1-48F1 dup:2/2 ID:82H8
	+ protein_phosphatase * 3e-10 PTP9_DROME PROTEIN-TYROSINE PHOSPHATASE 99A PRECURSOR (RECEPTOR-
	LINKED PROTEIN-T * 1e-10 myotactin form A * 1e-08 protein tyrosine phosphatase [fn3] CG14226 GM13503 18D13-18D13
CG14226	ID:83A10
CG5184	+ ribosomal_protein * predicted using Genefinder; Similarity to Prototheca mitochondiral ribosomjal protein S11 (SW:RT11_PROWI); cDNA EST yk372e6.3 comes from this gene; [Ribosomal_S11] CG5184 GM13519 89E13-89E13 ID:83A11
303104	+ Hsp27 chaperone * DMHSP27G 3 Hsp27 * 1e-118 HS27 DROME HEAT SHOCK PROTEIN heat shock protein - f * 3e-13
CG4466	Contains similarity to Pfam domain: (HSP20), Score=130.7, * 2 [TONB_DEPENDENT_REC_1 // HSP20 // ACRYST] CG4466

GM13686 67B2-67B2 ID:83A12	2	
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CG17064

	GW 13000 07 B2-07 B2 1D:03A12
	+ 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
	+ enzyme * NADH:ubiquinone dehydrogenase kDa subunit(aa) * similar to NADH-ubiquinone oxidoreductase; cDNA EST
	comes from this gene; cDNA EST comes from this [COMPLEX1_51K_1 // COMPLEX1_51K_2] CG9140 GM14163 26B3-26B3
CG9140	ID:83B12
	+ ribosomal_protein * 2e-08 predicted using Genefinder; Similarity to Human 60S ribosomal prot * 1e-22 RL28_MOUSE 60S
CG12740	RIBOSOMAL PROTEIN L28 ribosomal protein L * 1e-22 ri CG12740 GM13756 64A3-64A3 ID:83B2
	+ 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
	+ * similar to Gila monster phospholipase A2; similar to * 2e-22 phospholipase A2 (EC 3.1.1.4) Pa5 - Gila monster phosp * 8e-
CG1583	89 inserted at base Both 5' [PA2_HIS] CG1583 7D14-7D15 dup:2/2 ID:83B8
CG14303	+ unknown * 7E-86* * CG14303 GM13930 91B6-91B6 ID:83B9
	+ Gr enzyme * 4e-59 glutathine reductase * GSHR_DROME GLUTATHIONE REDUCTASE (GR) (GRASE) glutathione * 1e-125
	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
	+ ribosomal_protein * 60S RIBOSOMAL PROTEIN L21(aa) * 7e-46 R21A_YEAST 60S RIBOSOMAL PROTEIN L21E A
	ribosomal protein * 5e-50 RL21_CAEEL PROBABLE 60S RIBOSOMAL PROTEIN L2 [RIBOSOMAL_L21E // Ribosomal_L21e]
CG12775	CG12775 GM14242 40D2-40D2 ID:83C2
CG6050	+ translation factor CG6050 GM14682 ID:83C4
CG8501	+ unknown * CG8501 HL07915 48C5-48C5 ID:83C9
000001	+ 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
CG6219	+ unknown * anon-fe1G5 * anon1G5 * 1e-124 anon1G5 [NLS_BP] CG6219 LD21372 95E7-95E7 ID:83D11
CG7671	+ chaperone * 6e-06 C09G9.2 * * [WD40 REGION // WD40] CG7671 LD21432 91A-91A ID:83D12
007071	+ Phas1 translation factor * 2e-16 PHAS-II * 4e-16 eukaryotic translation initiation factor 4E binding protein * 1e-14 insulin-
CG8846	stimulated phosphoprotein PHAS-I - rat PHAS-I * in CG8846 HL08053 25A3-25A3 ID:83D4
CG9578	+ CG9578 ID:83D8
003370	+ hk ion channel * 3e-38 Hk protein * 4e-09 potassium channel beta subunit * 8e-09 potassium channel beta subunit * 4e-09
CG2287	alpha-dendrotoxin-sensitive potassium channel CG2287 HL08167 9B7-9B8 ID:83D9
002207	+ chaperone * HYPOTHETICAL 39.9 KD PROTEIN T15H9.1 IN CHROMOSOME II PRECURSOR(aa) * DNAJ PROTEIN
	HOMOLOG (DROJ1)(aa) * 1e-06 SCJ1_YEAST SCJ1 PROTEIN SCJ1 protein [DnaJ // DNAJ_2] CG9089 LD21896 15B4-15B4
CG9089	dup:2/2 ID:83E11
CG9300	+ unknown * [SUGAR_TRANSPORT_2] CG9300 76B8-76B8 dup:2/2 ID:83E12
003300	+ dikilowii [306AK2-11AN3FOKT-2] CG9300 70B05-70B0 dup.22 ID.03E 12

motor_protein * HYPOTHETICAL PROTEIN * PSD-95 binding protein(aa) * 2e-08 PSD-95/SAP90-associated protein-1 * 2e-

	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
	+ Ank cytoskeletal_structural_protein * DMANKY_5 Ank * 8e-16 YIL2_YEAST HYPOTHETICAL 123.6 KD PROTEIN IN POR2-
CG1651	COX5B INTERGENIC REGION * ankyrin ankyrin m * AO13 ankyrin [ank // ZU5] CG1651 LD21682 101F1-101F1 dup:3/4 ID:83E5
	+ swa RNA_binding * SWA_DROME SWALLOW PROTEIN gene swallow protein - fruit fl * DMSWAL_3 swa * * [NLS_BP]
CG3429	CG3429 LD21771 5E6-5E7 dup:2/2 ID:83E6
	+ Bsg25D motor_protein * BSG2_DROME BLASTODERM SPECIFIC PROTEIN 25D bsg25D protein * 1e-05 contains similarity to
CG14025	kinesin (PFam: kinesin.hmm, score: 10.52 and 16.62) * 6e-1 CG14025 LD21844 25D2-25D2 dup:2/2 ID:83E8
CG3416	+ translation_factor CG3416 LD22193 dup:2/2 ID:83F10
CG18282	+ unknown * CG18282 LD22270 5E1-5E1 ID:83F11
	+ 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
005400	+ unknown * BRcore-Q1-Z1 protein - fruit fly (Drosophila melanogaster)(aa) * BROAD-COMPLEX CORE-TNT1-Q1-Z1
CG5166	PROTEIN (BRCORE-TNT1-Q1-Z1) (CONTAINS: BROAD-COMPLEX CG5166 LD22183 88F-88F dup:3/3 ID:83F9 + transporter * 1e-28 ZRC1_YEAST ZINC/CADMIUM RESISTANCE PROTEIN heavy metal * 2e-10 cDNA EST comes from
CG17723	+ transporter * 1e-28 ZRC1_YEAST ZINC/CADMIUM RESISTANCE PROTEIN heavy metal * 2e-10 cDNA EST comes from this gene elegan * 3e-31 zinc transporter ZnT-1 - mouse ZnT CG17723 LD22804 63C4-63C5 ID:83G10
CG77590	+ unknown * CG7590 LD22812 68B1-68B1 ID:83G11
CG7590	+ CycE cell cycle regulator * DMRNACE 2 CycE * 4e-20 CGS5 YEAST S-PHASE ENTRY CYCLIN cyclin B5 - yeast (Sacc *
	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
00000	+ 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
	+ nucleic_acid_binding * 3e-09 GOLI_DROME GOLIATH PROTEIN (G1 PROTEIN) regulatory protei * 1e-10 contains similarity
	to C3HC4-type zinc fingers (Pfam; zf-C3HC4.hmm, score; [zf-C3HC4 // PRO_RICH // NLS_BP // ZF_RI] CG6923 LD22771 86F6-
CG6923	86F6 ID:83G8
	+ protein_kinase mitotic checkpoint control protein kinase B-like PROTEIN_KINASE_ATP CG14030 LD22858 dup:1/2
CG14030	ID:83H1
CG1800	+ RNA_binding double-stranded binding protein DSRBD CG1800 LD23072 dup:3/4 ID:83H11
	+ zf30C transcription_factor * leukemia/lymohoma related factor cLRF(aa) * zf30C * 4e-17 YJF6_YEAST HYPOTHETICAL 98.9
	KD ZINC FINGER PROTEIN IN BTN1-PEP8 INTERGENIC REG * zinc f[zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG3998
CG3998	LD23102 30D1-30D1 ID:83H12
CCeses	+ MRG15 DNA_binding * MRG15(aa) * MORF-related gene 15(aa) * 4e-19 hypothetical protein YPR023c - yeast (Saccharomyces
CG6363	cerevisiae) * 4e-10 predicted using Genefinder; cDN [NLS_BP] CG6363 LD22902 88E9-88E10 dup:2/2 ID:83H4

00000	+ B4 unknown * No definition line found(aa) * No definition line found * 1e-16 inserted at base 5' end of P element Inverse PCR *
CG9239	[NLS_BP] CG9239 LD22933 36D1-36D1 dup:4/5 ID:83H6
CC700E	+ 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
CG7946	+ unknown CG7946 ID:84A8
000004	 motor_protein * DNA segment, single copy, probe pH4 (transforming sequence, thyroid-1,(aa) * 1e-07 microtubule binding protein D-CLIP-190 * 1e-20 YRU4 CAEEL HYPOTHE CG6664 LD23434 73E2-73E3 dup:2/2 ID:84B11
CG6664	+ RNA binding * 4e-55 SUV3 YEAST MITOCHONDRIAL ATP-DEPENDENT RNA HELICASE SUV3 PRECURSOR * 1e-151
CG9791	Similarity to Yeast ATP-dependent RNA helicase (SW:SUV3_YEAST); cD [helicase_C] CG9791 LD23445 82A5-82A5 ID:84B12
CG9191	+ * Weak similarity with sea squirt nidogen precursor protein (blastp score 71); cDNA EST comes from this gene; cDNA EST
CG2221	comes from this gene; cDNA EST CG2221 9B14-9B14 dup:3/3 ID:84B2
O O L L L	+ RpL27A ribosomal_protein * ribosomal protein L27a.e - yeast (Saccharomyces cerevisiae)(aa) * RpL27Ab * 2e-71
CG15442	RL2B_DROME 60S RIBOSOMAL PROTEIN L27A RpL27a * 2e-44 RL2A_MOUSE 60 [L15] CG15442 24F5-24F5 dup:6/6 ID:84B6
CG6712	+ unknown NLS BP CG6712 LD23405 dup:2/2 ID:84B8
	+ metastasis-associated-1-like-protein unknown * metastasis associated gene 1-like 1(aa) * 3e-74 similar to metastasis-associated
	protein mta-1 (GB:U0 * 1e-128 metastasis associat[ELM2 // myb_DNA-binding // zf-C2H2 // Z] CG2244 LD24461 83B6-83B6
CG2244	ID:84C10
	+ 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
0011001	+ 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
	+ TfIIB transcription_factor * TfIIB * 3e-43 TF2B_YEAST TRANSCRIPTION INITIATION FACTOR IIB (TFIIB) (TRANSCRIPTION
CG5193	FACTOR E) * 1e-174 TF2B_DROME TRANSCRIPTION INITIATION FACTOR I[TIFACTORIIB // transcript_fac2 // TFIIB] CG5193 LD24035 33D1-33D1 ID:84C6
CG11403	
CG11403	 DNA_repair_protein CG11403 LD24267 dup:2/2 ID:84C8 DNA_replication_factor * replication control protein 1(aa) * CDC6 protein(aa) * 7e-31 CC6_YEAST CELL DIVISION
CG5971	CONTROL PROTEIN cell division * 3e-30 recognition complex subu [AAA // ATP GTP A] CG5971 LD25083 66D-66D ID:84D11
003371	+ unknown * 1e-133 inserted at base Both 5' and 3' ends of P element Inverse PCR * 1e-133 inserted at base Both 5' and 3'
CG2446	ends of P element Inverse PCR * CG2446 LD24866 10D4-10D5 dup:2/2 ID:84D4
332	+ enzyme * 1e-171 CTP synthase (EC 6.3.4.2) URA8 - yeast (Saccharomyces cerevisiae) * 1e-147 similar to CTP SYNTHASE
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
CG10267	+ transcription_factor CG10267 dup:2/2 ID:84E4
	+ unknown * NY-REN-18 antigen(aa) * BS4 PROTEIN(aa) * 3e-35 hypothetical protein * BS4 [UBA] CG15445 19E7-19E7
CG15445	dup:2/3 ID:84E5

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-RELATED ANTIGEN) (AP-1) >g * 1e-07 similar to BZIP protein; cDNA[LEUZIPPRJUN // B_ZIP // bZIP // BZIP_BA] CG2275
CG2275	LD25202 46E2-46E2 dup:2/2 ID:84E7
	+ Paps enzyme * 3-prime-phosphoadenosine 5-prime-phosphosulfate synthase 1(aa) * DMPAPSSYN_2 Paps * 7e-54 KAPS_YEAST ADENYLYLSULFATE KINASE (APS KINASE) (ATP ADENOS [ATP_GTP_A] CG8363 LD25351 76D4-76D5
CG8363	ID:84F7
	+ mnd transporter * minidiscs(aa) * 1e-23 MUP1_YEAST HIGH AFFINITY METHIONINE PERMEASE methionine * 1e-105 strong
	similarity to Schistosoma amino acid permease * 1e-120 [aa_permeases // AMINO_ACID_PERMEASE_2] CG3297 LD25378 71A2-
CG3297	71A3 ID:84F8
	+ transcription_factor * C43H6.7 gene product(aa) * HYPOTHETICAL 38.1 KD PROTEIN C2F12.15C IN CHROMOSOME
CG5880	II(aa) * hypothetical protein(aa) * 5e-15 probable membrane protei [ZF_DHHC] CG5880 LD25420 97E8-97E8 ID:84F9
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
CG11866	+ unknown * 5e-37 protein * * [FBOX_DOMAIN] CG11866 46E4-46E4 dup:2/2 ID:84H7
	+ enzyme * 1e-82 Similar to NADH-ubiquinone oxidoreductase kd subunit; coded for by C. elegans * 4e-88 NADH
CG12079	dehydrogenase (ubiquinone) Fe-S protein (30kD) (NAD [complex1_30Kd] CG12079 63B11-63B11 dup:2/2 ID:84H8
	+ numb unknown * NUMB PROTEIN(aa) * DMNUMB_2 numb * 3e-42 similar to Phosphotyrosine interaction domain (PTB/PID).;
CG3779	cDNA EST * 8e-67 m-Numb [PTB_DOMAIN // PID // NLS_BP // ATP_GTP_] CG3779 LD25907 30B5-30B6 dup:1/3 ID:85A11
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) *
000=00	DMGLDY01_11 Gld * putative benzyl alcohol deh [GMC_OXRED_1 // GMC_oxred // GMC_OXRED_2] CG9509 LD25803 13A1-
CG9509	13A1 ID:85A6
005405	+ 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 + 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
CG6525	+ 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
0012004	+ Pros45 endopeptidase * Ug * 1e-157 PRS8_YEAST 26S PROTEASE REGULATORY SUBUNIT HOMOLOG (SUG1 PROTEIN)
	(CIM3 PROTE * Pros45 proteosome subunit homolog * 1e-176 similar to AT [AAA // ATP_GTP_A] CG1489 LD26005 19F2-19F2
CG1489	ID:85B12
CG11397	+ glu DNA_binding * 1e-123 hypothetical protein YLR086w - yeast (Saccharomyces cerevisiae) (* 2e-34 Cap * 1e-100 Similarity
331.001	- g. =

	with the yeast chromosome segregation prot[ATP_GTP_A2 // DA_BOX // NLS_BP // ATP_G] CG11397 LD25919 36A7-36A7
	dup:3/3 ID:85B2 + 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
	+ unknown * unknown(aa) * 5e-26 hypothetical protein YDR214w - yeast (Saccharomyces cerevisiae) * 9e-55 cDNA EST
CG1416	CEMSC45R comes from this gene; cDNA EST yk436a5 CG1416 LD25951 39F1-39F1 dup:2/2 ID:85B7
CG14233	+ meso18E unknown * meso18E* CG14233 LD26007 18E2-18E3 ID:85C1
CG2190	+ unknown * [PRENYLATION] CG2190 LD26151 11D5-11D5 ID:85C10
	+ TfIIFalpha transcription_factor * DMTFAC5_2 TfIIF agr; * coded for by C. elegans cDNA yk79f12.5; coded for by C. elegans cDNA
CG10281	cm17c10; coded for by C. elegans cDNA yk98e4.5; coded fo [NLS_BP] CG10281 LD26157 84A4-84A4 ID:85C11
	+ G-salpha60A signal_transduction * DMGNB_2 G-o agr;47A * 2e-39 GBA1_YEAST GUANINE NUCLEOTIDE-BINDING PROTEIN
CG2835	ALPHA-1 SUBUNIT (GP1-ALPHA) * GBS1_DROME GUANINE NUCLEOTIDE-BINDIN[GPROTEINA // G-alpha // GPROTEINAQ // G] CG2835 LD26182 60A12-60A12 ID:85C12
CG2033	+ unknown * mitochondrial and cytoplasmic fumarase (fumarate hydralase); Fum1p * FUMARATE HYDRATASE,
CG18145	MITOCHONDRIAL PRECURSOR (FUMARASE) * Contains similarity to CG18145 31B-31B dup:2/2 ID:85C2
CG9591	+ unknown * 2e-12 inserted at base 5' end of P element Inverse PCR * * CG9591 LD26057 87F8-87F8 dup:2/2 ID:85C4
CG7109	+ mts protein_phosphatase microtubule star Ser/Thr protein phosphatase CG7109 LD26077 dup:2/2 ID:85C5
CG17255	+ unknown * 2e-05 BAT2 * 2e-05 BAT2 * CG17255 LD26094 9C2-9C2 dup:2/4 ID:85C6
CG10591	+ unknown * [COLLAGEN REP // PRO RICH] CG10591 LD26105 64E-64E3 ID:85C7
CG10621	+ unknown CG10621 dup:1/4 ID:85C9
CG16989	+ EG:34F3.4 unknown * /match=(desc:; /ma * * CG16989 LD26306 1C2-1C2 ID:85D12
	+ EG:30B8.3 ligand_binding_or_carrier * /match=(desc:; /match=(desc:(aa) * 1e-171 62D9.a * 1e-11 cellular retinaldehyde-binding
	protein; CRALBP * 1e-11 retinaldehyde-binding protein C [CRETINALDHBP // CRAL_TRIO] CG3191 LD26231 2F1-2F1 dup:2/2
CG3191	ID:85D2
CC0070	+ signal_transduction * 3e-07 secreted polypeptide spatzle precursor - fruit fly (Drosophila melanogaster) * 3e-07 SPZ DROME SPAETZLE PROTEIN PRECURSOR * 4e-09 spz * CG9972 LD26258 63A-63E4 ID:85D5
CG9972	+ EG:34F3.1 signal_transduction * /match=(desc:; /ma * 2e-27 similar to PH (pleckstrin homology) domain; cDNA EST c * 8e-06
	Y053_HUMAN HYPOTHETICAL PROTEIN KIAA * 7e-09 KRAC_DICDI RA [PH // PHOSPHOPANTETHEINE // PH_DOMAIN]
CG12467	CG12467 LD26268 1C2-1C3 ID:85D7
	+ unknown * cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA
CG8312	EST yk266f8.5 comes from this gene; cDNA EST yk28 [NLS_BP] CG8312 LD26277 85E-85E dup:2/2 ID:85D8
CG1646	+ DNA_binding similarity to pre-mRNA processing protein NLS CG1646 LD26426 dup:3/3 ID:85E11
	+ motor_protein * 7e-07 No definition line found * 1e-15 ATRX protein * 2e-15 X-linked nuclear protein * 6e-06 putative protein
CG8290	[NLS_BP // CYTOCHROME_C] CG8290 48D7-48D8 dup:3/3 ID:85E2
CC12727	+ CRAG ligand_binding_or_carrier * CRAG protein * 1e-145 contains similarity to human MAP kinase-activating death domain *
CG12737	1e-120 protein * 3e-16 Rab3 GDP/GTP exchange protein [DENN_DOMAIN // CYTOCHROME_C] CG12737 LD26363 7F4-7F4

dup:6/6 ID:85E3

	aup.0/0 iD.00E3
CG3726	+ transcription_factor * pipsqueak(aa) * 8e-29 BTB domain * 2e-07 contains similarity to the kelch/MIPP family * 7e-07 BAZF [BTB] CG3726 LD26392 5C8-5C8 dup:2/2 ID:85E5
	+ unknown * 2e-40 No definition line found * 2e-09 hypothetical protein * 1E-180* Hypothetical protein [NLS_BP] CG8352
CG8352	LD26402 65B4-65B5 dup:4/4 ID:85E6
	+ structural_protein * 7e-06 bK217C2.1 (Rat RTP60 (nuclear pore complex protein Npap60) isolog) * 4e-11 RTP60 *
CG2158	[Ran_BP1 // RAN_BP1 // RANBP1_WASP] CG2158 LD26583 44A7-44A7 dup:3/3 ID:85F12
CG17018	+ unknown CG17018 LD26456 dup:1/2 ID:85F2
CG10609	+ Or83b signal_transduction (Odorant receptor 83b) olfactory receptor CG10609 LD26485 ID:85F4
	+ e(y)1 transcription_factor * TRANSCRIPTION INITIATION FACTOR TFIID KD SUBUNIT (TAFII-42) (TAFII40) (P42)
	(ENHANCER OF YELLOW PROTEIN)(aa) * e(y)1 * 2e-12 YM75_YEAST HYPOTHETICAL [HIST_TAF] CG6474 LD26511 16D4-
CG6474	16D5 ID:85F5
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_BP]
CG11371	CG11371 LD26519 21A5-21A5 dup:3/4 ID:85F7
CG12234	+ unknown exportin CG12234 LD26789 dup:1/2 ID:85G12
	+ 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
CG7824	+ unknown * unknown(aa) * 2e-14 unknown * * [PPASE // NLS_BP] CG7824 LD26655 99C6-99C7 ID:85G3
	+ 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
	+ transcription_factor * 2e-11 AZF1_YEAST ASPARAGINE-RICH ZINC FINGER PROTEIN AZF1 fin * Zinc finger-AT hook
CG10274	protein * 3e-15 contains multiple of strong similarity to C2H2[zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG10274 LD26701 65A6-65A6 ID:85G6
CG10274	+ 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
002230	+ unknown * 1e-35 YNU1 YEAST HYPOTHETICAL 98.1 KD PROTEIN IN SPX19-GCR2 INTERGENIC REGION * 1e-118 No
CG9351	definition line found * 3e-51 hypothetical protein * 5e-50 [RANBP1_WASP] CG9351 LD26904 87F8-87F9 dup:3/4 ID:85H10
	+ EcR steroid hormone receptor * ECDYSONE RECEPTOR (ECDYSTEROID RECEPTOR) (20-HYDROXY-ECDYSONE
	RECEPTOR) (20E RECEPTOR)(aa) * DMECR_4 EcR * 8e-14 ecdysteroid receptor * 6e-51 [STROIDFINGER // hormone_rec // zf-
CG1765	C4 //] CG1765 LD26915 42A7-42A8 ID:85H12
CG10016	+ transcription_factor ZINC_FINGER_C2H2, ZINC_FINGER_C2H2_2, zf] CG10016 LD26791 dup:2/2 ID:85H2
CG8580	+ * 1e-155 inserted at base Both 5' and 3' ends of P element Inverse PCR * * [NLS BP] CG8580 65F4-65F5 dup:2/2 ID:85H4
	+ enzyme * ACONITATE HYDRATASE, MITOCHONDRIAL PRECURSOR (CITRATE HYDRO-LYASE) (ACONITASE)(aa) *
	ACON_YEAST ACONITATE HYDRATASE, MITOCHONDRIAL PRECURSOR (CITRA [ACONITASE_2 // Aconitase_C //
CG9244	THIOLASE_] CG9244 LD26837 39B3-39B3 dup:3/3 ID:85H6

CG14100	 unknown * 6e-11 hypothetical protein * hypothetical protein * YG73_SYNY3 HYPOTHETICAL TRNA/RRNA METHYLTRANSFERASE * [SpoU_methylase] CG14100 LD26903 76B9-76B9 dup:1/2 ID:85H9
CG 14100	+ function_unknown * coded for by C. elegans cDNA yk36f5.3; coded for by C. elegans cDNA yk36f5.5; similar to glucose
	repression mediator protein (SP:CYC8_YEAST, * ubiqu [TPR_REGION // TPR_REPEAT // TPR] CG5640 LD27005 31C7-31D1
CG5640	dup:2/2 ID:86A10
	+ RNA_binding * 2e-14 predicted using Genefinder; Similarity to Arabidopsis DNA-damage-r * 8e-43 splicing factor (45kD);
CG17540	SPF 45kDa splicing factor; SPF * 2e-17 D111 [D111_DOMAIN] CG17540 LD27025 cyto_unknown ID:86A12
CG9188	+ unknown * [NLS_BP] CG9188 LD26930 27C7-27C7 ID:86A2
CG9201	+ unknown * [THIOREDOXIN] CG9201 LD26971 13D2-13D2 ID:86A3
CC40020	+ unknown * 1e-29 predicted using Genefinder * 1e-33 unknown * 1e-29 predicted using Genefinder * 1e-33 unknown
CG10038	[ESTERASE] CG10038 LD26985 87B11-87B11 ID:86A6
CG9304	+ unknown * 8e-42 cDNA EST comes from this gene * 2e-20 antigen * C15A7.2 * CG9304 LD26991 58B5-58B5 ID:86A7 + bcd transcription_factor * DNA-binding-protein,transcription-factor(aa) * DMBCDG_3 bcd * 1e-125 bcd protein * 8e-52 homeotic
	protein bicoid - fruit fly (Drosophila ps[RNP 1 // HOMEOBOX 1 // homeobox // HOME] CG1034 LD27003 84D1-84D1 dup:1/2
CG1034	ID:86A8
	+ cell_cycle_regulator * protein(aa) * HYPOTHETICAL 93.9 KD PROTEIN T20B12.6 IN CHROMOSOME III(aa) * 5e-05
	USF2_MOUSE UPSTREAM STIMULATORY FACTOR (UPSTREAM TRANSCRIPT[HLH // HELIX_LOOP_HELIX_2 // NLS_BP]
CG18362	CG18362 LD27073 39D1-39D2 dup:3/4 ID:86B10
CG7843	+ arsenate resistance protein ARS2 CG7843 LD27090 dup:2/2 ID:86B12
CG9828	+ chaperone DnaJ homolog 2 DNAJPROTEIN CG9828 LD27049 dup:2/2 ID:86B6
CG10171	+ unknown * CG10171 LD27069 70A5-70A5 ID:86B8
	+ peptidase * insulin-regulated membrane aminopeptidase IRAP(aa) * LEUKOTRIENE A-4 HYDROLASE (LTA-4
004000	HYDROLASE) (LEUKOTRIENE A(4) HYDROLASE)(aa) * LEUKOTRIENE A-4 [ALADIPTASE // Peptidase_M1 // ZINC_PROT]
CG10602	CG10602 LD27070 37B4-37B5 ID:86B9
CG5452	+ dnk enzyme * 1e-145 deoxynucleoside kinase * 2e-31 DCK_MOUSE DEOXYCYTIDINE KINASE (DCK) deoxycytidine kina * 1e-49 thymidine kinase * 2e-30 DCK_RAT DEOXYCYTIDINE [ATP_GTP_A] CG5452 94A3-94A3 dup:2/2 ID:86C1
CG3432	+ 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
0 0 0 0 0 0	+ glutathione_transferase * 1e-24 contains similarity to glutathione S transferases * 2e-26 glutathione-S-transferase homolog *
CG6673	2e-30 glutathione-S-transferase like glutathion [GST] CG6673 LD27185 66D4-66D5 ID:86C12
	+ 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
000000	+ toc motor_protein * map_position:23D4 * 6e-30 Toucan protein * 8e-32 DMTOC toc * map_position:23D4 CG9660 LD27161
CG9660	23D-23D3 dup:1/2 ID:86C6
CG11471	+ 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
	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
001113	+ dco protein_kinase * serin/threonin-kinase(aa) * dbt * Ckl agr; * DMDG2CD5_3 for [PROTEIN_KINASE_ST //
CG2048	PROTEIN_KINASE_DOM] CG2048 LD27173 100B-100B ID:86C9
CG9028	+ unknown * 2e-15 inserted at base 5' end of P element Inverse PCR * CG9028 LD27194 70C8-70C9 dup:2/2 ID:86D1
CG6005	+ NLS BP CG6005 LD27322 dup:2/2 ID:86D10
00000	+ pescadillo [Homo sapiens] (widely expressed in embryogenesis of zebrafish, high in liver) BRCT, BRCT_DOMAIN, NLS_BP
CG4364	CG4364 LD27336 dup:2/2 ID:86D12
CG7396	+ unknown * [PPASE // NLS_BP] CG7396 LD27215 71E1-71E1 dup:2/2 ID:86D3
CG8237	+ Autosomal Highly Conserved Protein CG8237 LD27256 dup:2/2 ID:86D5
CG4790	+ unknown * CG4790 LD27288 5C8-5C9 ID:86D8
	+ transporter * 2e-14 aquaporin * 5e-22 BIB_DROME NEUROGENIC PROTEIN BIG BRAIN bib protein - frui * 6e-22 similar to
CG7777	MIP transmembrane protein; cDNA EST yk459g7.3 c [MINTRINSICP // MIP] CG7777 LD27313 47F13-47F13 ID:86D9
	+ RNA_binding * 6e-05 NOP3_YEAST NUCLEOLAR PROTEIN (MITOCHONDRIAL TARGETING SUPRESSOR PROTEIN) *
	1e-32 contains similarity to RNA recognition motifs (RNP) * 2e-50 C [RNP_1 // RBD // rrm] CG13298 LD27466 65A6-65A6 dup:2/2
CG13298	ID:86E10
	+ 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
CG0204	+ poly-U-binding-splicing-factor RNA_binding * siah binding protein 1(aa) * 4e-13 PABP_YEAST POLYADENYLATE-BINDING
	PROTEIN, CYTOPLASMIC AND NUCLEAR (PABP) (ARS CO * 3e-14 polyadenylate-bind[RNP_1 // RBD // rrm] CG12085 LD27486
CG12085	62A4-62A4 dup:2/2 ID:86E12
	+ Similar to a hydrophilic protein that is peripherally associated with the late Golgi in yeast. Homology to uncharacterized
CG3338	proteins in Arabidopsis, h CG3338 LD27356 dup:3/3 ID:86E2
	+ unknown * 8e-15 YKK3_CAEEL HYPOTHETICAL 64.3 KD GTP-BINDING PROTEIN C02F5.3 IN CHROMOSOME III >g *
CG10795	YJ05_CAEEL HYPOTHETICAL 85.1 KD NUCLEASE C41D11.5 simila * CG10795 LD27358 57D11-57D11 dup:2/2 ID:86E3
CG1444	+ enzyme PUTATIVE STEROID DEHYDROGENASE ADH_SHORT, GDHRDH, adh_short CG1444 LD27387 dup:3/3 ID:86E5
	+ Aats-pheenzyme * 8e-84 mitochondrial phenylalanyl-tRNA synthetase alpha subunit precursor * 1e-125 phenylalanine-tRNA
0040040	synthetase * phenylalanyl tRNA synthetase * Aat [AA_TRNA_LIGASE_II_1 // AA_TRNA_LIGASE_I] CG13348 LD27389 50C20-
CG13348	50C20 dup:2/2 ID:86E6 + 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
000001	+ function_unknown * 5e-09 cDNA EST yk293f3.3 comes from this gene * 5e-05 Y0DG_MYCTU HYPOTHETICAL 17.3 KD
CG8079	PROTEIN CY1A11.16C (Z * cDNA EST yk331d5.3 comes from thi[FHA_DOMAIN // D111_DOMAIN // NLS_BP //] CG8079

I D27/12	51E9-51E9	1 dun 2/2	ID-06E0
LUZ/413	3159-315	9 UUD.Z/Z	1D.00E0

	LD2/413 31L9-31L9 dup.2/2 ID.00L0
CG5868	+ CG5868 dup:2/2 ID:86E9
CG6066	+ unknown * O1(aa) * 2e-31 predicted protein of unknown function thal * * [NLS_BP] CG6066 LD27582 97E8-97E8 ID:86F10
CG5466	+ unknown CG5466 LD27620 dup:2/2 ID:86F11
CG1716	+ transcription_factor ATP_GTP_A, DEAD_ATP_HELICASE, NLS_BP, PR] CG1716 LD27627 ID:86F12
	+ enzyme (L76944) calmodulin-dependent cyclic nucleotide phosphodiesterase [Mus musculus] HELIX_LOOP_HELIX,
CG14940	PDEASE_I, PDEase, PDIE] CG14940 LD27504 dup:2/2 ID:86F3
	+ Cdk8 protein_kinase * Cdk8(aa) * 3e-67 cyclin-dependent kinase chain SRB10 - yeast (Saccharomyces cerevisiae) * Cdk8 * 1e-
	127 Similarity to Human cell division protein ki [PROTEIN_KINASE_ST // PROTEIN_KINASE_DOM] CG10572 LD27520 69D3-
CG10572	69D3 ID:86F4
	+ unknown * predicted using Genefinder; Similarity in 3' end to Human protein cDNA EST comes from this gene; cDNA EST
CG9986	comes from this gene; cDNA EST comes from CG9986 LD27564 98D4-98D4 ID:86F8
	+ transporter * 8e-11 syntaxin * 3e-17 hypothetical protein * 2e-17 syntaxin * 1e-19 inserted at base 5' end of P element
CG11278	Inverse PCR [T_SNARE // Syntaxin] CG11278 LD27581 69F2-69F2 ID:86F9
	+ protein_phosphatase * PROTEIN PHOSPHATASE 2C GAMMA ISOFORM (PP2C-GAMMA) (FIBROBLAST GROWTH
CC40447	FACTOR INDUCIBLE PROTEIN 13) (FIN13)(aa) * PROTEIN PHOSPHATASE 2C GAMMA ISOFORM [PP2C_1 // PP2C_2]
CG10417	CG10417 LD27655 41D1-41D1 ID:86G1 + metabolism * MALATE OXIDOREDUCTASE, CHLOROPLAST (MALIC ENZYME) (ME) (NADP-DEPENDENT MALIC
	+ 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
0010120	+ NTPase enzyme * NTPase * 3e-37 GDA1_YEAST GUANOSINE-DIPHOSPHATASE (GDPASE) guanosine-dip * NTPase * 2e-56
CG3059	similar to GDA1/CD39 (nucleoside phosphatase) family; cDNA [NLS_BP // GDA1_CD39] CG3059 LD27725 23B5-23B6 ID:86G12
00000	+ transmembrane_receptor * contains similarity to M. musculus patched * 1e-21 No definition line found * [PEROXIDASE_1 //
CG2019	5TM_BOX // NLS_BP] CG2019 LD27661 83C4-83C4 dup:3/4 ID:86G4
CG8229	+ unknown * CG8229 LD27667 44F12-45A1 dup:2/2 ID:86G5
	+ Ckllalpha protein kinase * 1e-103 KC21 YEAST CASEIN KINASE II, ALPHA CHAIN (CK II) casein ki * KC2A DROME CASEIN
	KINASE II, ALPHA CHAIN (CK II) casein kina * 1e-151 KC2A_CAE[PROTEIN_KINASE_ST // PROTEIN_KINASE_DOM] CG17520
CG17520	LD27706 cyto_unknown ID:86G9
CG12030	+ enzyme GALACTOWALDENASE) (UDP-GALACTOSE 4-EPIMERAS Epimerase CG12030 LD27852 dup:2/2 ID:86H11
	+ BG:DS01219.1 unknown * 1e-20 YKQ3_CAEEL HYPOTHETICAL 42.1 KD PROTEIN C06E1.3 IN CHROMOSOME III (L1 * *
CG4482	CG4482 LD27791 35B9-35B9 ID:86H4
CG4710	+ unknown * CG4710 21E-21E dup:2/2 ID:86H5
	+ transcription_factor * CROL ALPHA(aa) * zinc finger protein 207(aa) * predicted using Genefinder; similar to Zinc finger,
CG17912	C2H2 type; cDNA EST comes from this gene; cDNA E CG17912 LD27810 36A7-36A8 dup:3/3 ID:86H6
CG9680	+ RNA_binding CG9680 ID:86H8
CG10538	+ GAP signal_transduction * Cdc42 GTPase-activating protein(aa) * Rga1p (Dbm1p)(aa) * DMC23E12 * ABR protein - human(aa)

	[RHO_GAP // RhoGAP // SH3] CG10538 LD27836 38A-38A dup:2/3 ID:86H9
CG8068	+ zimp nucleic_acid_binding * map_position:45A4-8 * Zimp-A(aa) * 2e-19 NFI1_YEAST NFI1 PROTEIN NFI1 protein - yeast (Saccharom * 6e-43 cDNA EST comes from this gene; cDNA EST co CG8068 LD27861 45A13-45B1 dup:1/5 ID:87A1
	+ protein_phosphatase * 7e-33 protein-tyrosine phosphatase; PTPase; MPTP-MEG2 * 1e-32 protein tyrosine phosphatase, non-receptor type * 7e-40 protein-tyrosine-phosphatase ([G_PROTEIN_RECEPTOR // CRAL_TRIO] CG3102 LD27988 8F2-8F2
CG3102	ID:87A10
CG1836	+ Rad23 DNA_repair_protein * DHR23(aa) * 2e-30 UV excision repair protein UV exci * 9e-05 ubiquitin / ribosomal protein S27a - fruit fly (Drosophila melanogaster) * 4e-38 Simila [UBA // ubiquitin // UBIQUITIN_2] CG1836 102A8-102A8 dup:1/3 ID:87A11 + ion_channel * similar to S. cerevisiae HAP4 transcriptional activator (SP:HAP4_YEAST, similar to regulatory domain of PI3-
CG1976	kinase P85-alpha subunit (phosphatidylin [PDZ] CG1976 LD28013 100F1-100F2 ID:87A12
	+ sl enzyme * 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase (EC 3.1.4.11) gamma-D - fruit fly (Drosophila melanogaster)(aa) * DMCS_2 sl * phospholipa [PHPHLIPASEC // SH2DOMAIN // C2 // PIPLC] CG4200 LD27939 14B18-14C1
CG4200	ID:87A7
	+ receptor * 4e-16 VTI1_YEAST VESICLE TRANSPORT V-SNARE PROTEIN VTI1 proba * 3e-27 cDNA EST yk433f11.3
CG3279	comes from this gene; cDNA EST yk433f11.5 come * 3e-32 put CG3279 LD27967 61C9-61C9 dup:1/3 ID:87A9
CG4491	+ noc transcription_factor * zinc finger protein nocA - fruit fly (Drosophila melanogaster) (L1 * DMNOVA_3 noc * * [zf-C2H2 // ZINC_FINGER_C2H2_2] CG4491 LD28078 35A4-35A4 ID:87B10
004431	+ enzyme_activator * 1e-29 YQK1_CAEEL HYPOTHETICAL 55.9 KD PROTEIN C56G2.1 IN CHROMOSOME III (U * 6e-32
CG3249	AKAP121 * 9e-33 A kinase anchor protein, 149kD * 9e-35 A-kinase a [TUDOR] CG3249 LD28079 4F8-4F9 dup:2/3 ID:87B11
CG9924	+ actin_binding CG9924 LD28030 dup:2/2 ID:87B2
	+ lola transcription_factor * DMPIPSQ1_3 psq * BtbV * lola * 1e-171 LOLS_DROME LOLA PROTEIN, SHORT ISOFORM
CG12052	(LONGITUDINALS LACKING PROTEIN) [BTB] CG12052 LD28033 47A-47A ID:87B3
	+ transmembrane_receptor * InR * INSULIN RECEPTOR-RELATED PROTEIN PRECURSOR (IRR) (IR-RELATED RECEPTOR)(aa) * 2e-52 INSR_DROME INSULIN-LIKE RECEPTOR PRECURSOR insulin recep[Recep_L_domain // Furin-like]
CG10702	CG10702 LD28036 37B13-37B13 dup:2/3 ID:87B4
CG5809	+ CaBP1 chaperone protein disulfide isomerase ER_TARGET, THIOREDOXIN CG5809 LD28038 dup:2/2 ID:87B5
	+ unknown * splicing factor 30, survival of motor neuron-related; SPF 30(aa) * SMN gene * CG17454 LD28068 cyto_unknown
CG17454	ID:87B8
CG6214	+ transporter * DMC171D11 * DMMDR49_2 Mdr49 * multidrug resistance protein (MRP2)(aa) * multidrug resistance protein (ABCC3)(aa) [ATP_GTP_A2 // ABC_TRANSPORTER // ABC_tr] CG6214 LD28149 33F2-33F3 ID:87C10
CG0214 CG2218	+ unknown * 1e-21 protein * * [ZINC_FINGER_C3HC4] CG2218 LD28173 99F6-99F6 ID:87C11
CG2210	+ protein_kinase * CASEIN KINASE I, GAMMA ISOFORM (CKI-GAMMA 1)(aa) * CASEIN KINASE I, ALPHA ISOFORM (CKI-
CG6963	ALPHA)(aa) * 1e-89 CK12_YEAST CASEIN KINASE I HOMOLOG casein [pkinase] CG6963 LD28216 89B17-89B19 ID:87C12
	+ DNA_repair_protein * 5e-20 predicted using Genefinder; similar to MUTT protein like; cDNA EST * 9e-05 YZGD_BACSU
004000	HYPOTHETICAL 45.4 KD PROTEIN IN THIAMINASE I 5'REGION * [MUTT // mutT // MUTTDOMAIN] CG10898 LD28119 86E13-
CG10898	86E13 ID:87C5
CG4500	+ BG:DS05899.1 enzyme * protein(aa) * fadD15(aa) * putative long chain fatty acid coA ligase(aa) * protein(aa) [AMP-binding]

CG4500 LD28132 34E4-34E4 ID:87C8

	CG4500 ED20132 34E4-34E4 1D.07 G0
CG15427	+ cell_adhesion CG15427 LD28224 dup:1/2 ID:87D1
	+ unknown * 5e-29 candidate adaptor protein CED-6 * 8e-05 m-Numb * 2e-07 E2a-Pbx1-associated protein * 3e-05 JIP-1
CG11804	related protein [PTB_DOMAIN // PID] CG11804 LD28347 45D7-45D8 ID:87D10
	+ Mcm5 DNA_replication_factor * Mcm5 * 1e-176 MCM5_YEAST MINICHROMOSOME MAINTENANCE PROTEIN (CELL
	DIVISION CONTROL PROTEIN * MCM5 homolog * MCM5_CAEEL DNA REPLICATION LICENSIN[MCM // MCM_1 // MCM_2 //
CG4082	NLS_BP] CG4082 LD28351 86C5-86C5 dup:3/5 ID:87D11
	+ unknown * * 1e-05 HR12_MOUSE HEAT-RESPONSIVE PROTEIN heat-responsive prot * 7e-05 UK14_HUMAN 14.5 KD
	TRANSLATIONAL INHIBITOR PROTEIN (P14.5) (UK114 ANTIGEN H [UPF0076 // PROTEIN_KINASE_ATP] CG1578 LD28359
CG1578	10E3-10E4 dup:4/5 ID:87D12
CG2061	+ BcDNA:LD28247 G protein-coupled receptor 69A CRYSTALLIN_BETAGAMMA CG2061 LD28247 dup:2/3 ID:87D2
	+ 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
	+ 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
	+ Acer peptidase * DMACERMET_2 Acer * dipeptidyl carboxypeptidase I converting enzyme)(aa) * metallopeptidase(aa) *
CG10593	enzyme-like protein(aa) [PEPDIPTASEA // Peptidase_M2 // ZINC_PRO] CG10593 LD28328 31B1-31B1 ID:87D9
	+ 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
CG16972	+ motor_protein * [NLS_BP] CG16972 LD28380 34A9-34A9 dup:4/4 ID:87E5
CG7168	+ unknown * CG7168 LD28404 90F1-90F1 dup:2/2 ID:87E8
	+ Scsalphaenzyme * succinyl-CoA synthetase alpha subunit(aa) * 7e-75 SUCA_YEAST PROBABLE SUCCINYL-COA LIGASE
CG1065	(GDP-FORMING), ALPHA-CHAIN PRECURSOR (S * 8e-41 succinyl c CG1065 64C4-64C4 dup:2/4 ID:87F1
CG16798	+ CG16798 dup:2/3 ID:87F12
CG6988	+ CG6988 dup:1/3 ID:87F2
	+ trio cytoskeletal_structural_protein huntingtin-associated protein interacting protein CRAL_TRIO, GRF_DBL, PH_DOMAIN,
CG9208	RhoGEF, S] CG9208 LD28463 dup:2/3 ID:87F3
	+ RNA_binding * dJ222E13.3.2 (PUTATIVE partial isoform 2)(aa) * DMBNBR_2 bnb * CG6961 LD28479 17D5-17D5 dup:3/4
CG6961	ID:87F6
CG10627	+ CG10627 ID:87F7
CG3634	+ CG3634 LD28488 dup:1/2 ID:87F8
	+ protein_kinase * 5e-49 PAN3_YEAST PAB-DEPENDENT POLY(A)-SPECIFIC RIBONUCLEASE SUBUNIT PAN3 (PAB1P-
0044400	DEPEN * 2e-92 YOT7_CAEEL HYPOTHETICAL 76.2 KD PROTEIN ZK632.7 IN CH [AA_TRNA_LIGASE_II_2 // ANTIFREEZEI]
CG11486	CG11486 63F4-63F4 dup:1/6 ID:87G3

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CG10346
                    chaperone * CG10346 37A4-37A4 dup:1/3 ID:87G7
                     ribosomal protein 60S RIBOSOMAL PROTEIN L10 (QM PROTEIN HOMOLOG) RIBOSOMAL L10E, Ribosomal L10e
              + Qm
CG17521
              CG17521 ID:87H3
CG12134
                     CG12134 ID:87H4
CG6407
                    signal transduction CG6407 dup:3/3 ID:87H5
CG17870
                    unknown CG17870 dup:3/4 ID:87H7
CG17033
                     CG17033 ID:87H8
CG1218
                     CG1218 ID:87H9
CG1542
                     CG1542 ID:88A10
              + wal electron_transfer * 2e-61 ETFA_YEAST PROBABLE ELECTRON TRANSFER FLAVOPROTEIN ALPHA-SUBUNIT
              PRECURSOR (ALP * 1e-106 ETFA_CAEEL PROBABLE ELECTRON TRANSFER FLAVOPROTEIN AL [ETF_alpha //
CG8996
              ETF ALPHA] CG8996 48B6-48B6 dup:1/3 ID:88A12
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 vk343c12.5 comes from this * CG10686 69C3-69C3 dup:1/3 ID:88A5
CG5821
                    RNA binding CG5821 ID:88A7
             + sop ribosomal protein * Ribosomal protein S2 (S4) (rp12) (YS5); Rps2p(aa) * sop * 2e-73 RS4 YEAST 40S RIBOSOMAL
             PROTEIN S4 (OMNIPOTENT SUPRESSOR PROTEIN SUP44) (RP12) (*1 [Ribosomal S5 // RIBOSOMAL S5] CG5920 33A1-
CG5920
              33A1 dup:1/2 ID:88A8
                    chaperone * 1e-14 embryonal lethal (2)13-1 (el(2)13-1) - fruit fly (Drosophila melanogaster) * 4e-41 similar to small heat
             shock protein HSP20 family * 1e-12 CR [HSP20 // ACRYSTALLIN] CG14207 18D8-18D8 dup:3/4 ID:88B12
CG14207
CG17927
              + Mhc
                       motor protein Myosin heavy chain CG17927 ID:88B3
                    unknown * contains similarity to a BR-C/TTK domain(aa) * 5e-10 kelch protein, long form - fruit fly (Drosophila melanogaster)
              * 7e-12 Kelch motif containing [BTB // PROTEIN_SPLICING // NLS BP] CG1826 9E2-9E2 dup:2/2 ID:88B4
CG1826
CG9216
                    unknown * [NLS BP] CG9216 14A6-14A8 ID:88B5
                     CG18041 ID:88B6
CG18041
CG12081
                    unknown CG12081 ID:88C3
CG12132
                    unknown * 7e-30 C34G6.1 gene product * CG12132 8D8-8D8 dup:1/3 ID:88C6
CG11177
                     CG11177 ID:88C8
CG3661
                    * 2e-47 precursor TRG1 protein * D-ERp60=protein disulphide isomerase isoform/multifunctional endoplasmic retic * 1e-136
CG8983
              predicted using Genefinder; S [THIOREDOXIN // THIOREDOXIN 2 // thiored] CG8983 48D1-48D1 dup:3/4 ID:88D12
                    * 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
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CG10217

ID:88D6

CG9277

CG16812

CG8116	 unknown * 1e-108 inserted at base 3' end of P element Inverse PCR * * CG8116 85B2-85B2 dup:1/2 ID:88D7 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
	+ apoptosis_inhibitor * DIHA(aa) * lap2 * 3e-07 inhibitor of apoptosis protein * 8e-06 coded for by C. elegans cDNA yk27g3.5;
CG17019	coded for by C. elegans cDNA yk27g3.3; Si [NLS_BP // ZF_RING] CG17019 49E1-49E1 dup:6/6 ID:88E10
CG13849	+ unknown CG13849 dup:2/2 ID:88E12
	+ unknown * histone acetyltransferase 1(aa) * histone acetyltransferase; Hat1p(aa) * weak similarity with SINR protein (Swiss
CG2051	Prot accession number cDNA EST co [NLS_BP] CG2051 83C-83C dup:2/3 ID:88F12
CG18858	+ CG18858 ID:88F6
	+ ion_channel * NY-REN-45 antigen(aa) * contains similarity to the A-type potassium current class of channel proteins(aa) *
CG9467	/match=(desc:; /match=(desc:; /match=(d [BTB // GAPDH // WD_REPEATS] CG9467 85E10-85E10 dup:3/5 ID:88F9
000004	+ 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
CG16901	+ CG16901 ID:88G12
0040700	+ structural_protein * 0.00000000006* 2e-06 nonmuscle myosin-II heavy chain * 2e-07 Identity to myosin heavy chain C
CG12702	(SW:MYSC_CAEEL); cDNA EST EMBL:M8 * 0.0000001 CG12702 18F1-18F2 dup:1/3 ID:88G4
CG1596	+ CG1596 unknown CT3517 ID:88G5
	+ 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
CG7471	+ enzyme CG7471 ID:88H1
007471	+ RNA_binding * pre-mRNA cleavage factor Im (68kD)(aa) * 2e-16 Similarity to Brassica glycine-rich RNA-binding protein
CG7185	(SW:GR10_B * 2e-29 HPBRII-7 protein - human H [RBD // rrm // PRO_RICH // NLS_BP] CG7185 66C6-66C7 dup:3/5 ID:88H10
	+ EG:EG0007.12 unknown * by content; by motif; 2-match_description=ATP/GTP-binding site motif A (P-I(aa) * by content; 1-meth
CG4857	* by content; 1-meth * CG4857 4B1-4B2 dup:3/3 ID:88H5
CG11723	+ transcription_factor * [AA_TRNA_LIGASE_II_1] CG11723 22C3-22C3 dup:2/2 ID:88H7
CG5094	+ chaperone CG5094 dup:2/2 ID:88H9
	+ * 6e-24 predicted using Genefinder; similar to zinc-finger protein; cDNA E * 8e-05 DNA-binding protein BZP - golden
CG1244	hamster DNA-binding prot * 2e-06 z [zf-C2H2 // ZINC_FINGER_C2H2 // PRO_RICH] CG1244 62F2-62F2 dup:2/5 ID:89A1
CG9172	+ enzyme CG9172 ID:89A10

+ betaTub56D cytoskeletal_structural_protein beta-1 tubulin TUBULIN, TUBULIN_B_AUTOREG, tubulin CG9277 ID:89A3

unknown * predicted using Genefinder(aa) * 3e-12 predicted using Genefinder * * [SAM_DOMAIN] CG16812 34A10-34A10

dup:1/4 ID:89A4

	+ 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
CG10428	+ RCC1_2, SAM_BIND CG10428 dup:3/5 ID:89B11
CG8789	+ protein_kinase CG8789 dup:2/2 ID:89B2
CG17678	+ CG17678 dup:2/2 ID:89B3
	+ * C15H9.5 gene product(aa) * 5e-05 by content; 1-meth * 5e-70 C15H9.5 gene product * 1e-05 NEUM_MOUSE
CG12121	NEUROMODULIN (AXONAL MEMBRANE PROTEIN GAP-43) (P CG12121 8D4-8D5 dup:2/3 ID:89B4
CG12269	
	+ enzyme * coded for by C. elegans cDNA yk4d2.3; coded for by C. elegans cDNA yk4d2.5; coded for by C. elegans cDNA
0040757	yk109a1.5; similar to protein tyrosine phos [PHOSPHOPANTETHEINE // PDZ // PRO_RICH] CG16757 62E7-62E7 dup:5/6
CG16757	ID:89B7
	+ RpS3 * Ribosomal protein S3 (rp13) (YS3); Rps3p(aa) * 40S RIBOSOMAL PROTEIN S3(aa) * DMRPS3_2 RpS3 * 8e-82 RS3 YEAST 40S RIBOSOMAL PROTEIN S3 (YS3) (RP13) [KH-domain // RIBOSOMAL S3 // Ribosomal] CG6779 94F1-94F1
CG6779	dup:2/2 ID:89B9
CG2186	+ homolog of a human hypothetical protein DKFZp434D1319.1 NLS BP CG2186 LD29862 dup:1/2 ID:89C10
002100	+ P34-ARC actin binding PROBABLE ARP (actin related protein) 2/3 COMPLEX 34 KDA SUBUNIT CG10954 LD29815 dup:2/3
CG10954	ID:89C2
	+ transcription_factor * 4e-30 alternatively spliced form * 4e-07 BAC1_MOUSE TRANSCRIPTION REGULATOR PROTEIN
CG8924	BACH1 (BTB AND CNC HOMOLOG 1) * 2e-07 actin binding protein MAYV [BTB] CG8924 LD29820 13F14-13F14 ID:89C4
	+ * VESICLE-ASSOCIATED MEMBRANE PROTEIN/SYNAPTOBREVIN BINDING PROTEIN (VAP-33)(aa) * 2e-09
	SCS2_YEAST SCS2 PROTEIN SCS2 protein - yeast (Saccharomy * 6e [MSP_domain // MSP_DOMAIN] CG5014 4A2-4A2
CG5014	dup:2/3 ID:89D12
	+ BcDNA:LD29885 unknown * coatomer protein complex, subunit epsilon(aa) * PROBABLE COATOMER EPSILON SUBUNIT
000540	(EPSILON-COAT PROTEIN) (EPSILON-COP)(aa) * COATOMER EPSILON SUBUNI CG9543 LD29885 26D7-26D7 dup:1/2
CG9543	ID:89D2 + Nop60B enzyme * CENTROMERE/MICROTUBULE BINDING PROTEIN CBF5 (CENTROMERE-BINDING FACTOR 5)
	(NUCLEOLAR PROTEIN CBF5)(aa) * major low affinity kDa Centromere/microtubu CG3333 LD30073 60B10-60B10 dup:4/4
CG3333	ID:89E9
00000	+ 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
	+ enzyme * acyl-CoA oxidase (EC 1.3.3.6), peroxisomal - human(aa) * 6e-52 CAO_YEAST ACYL-COENZYME A OXIDASE
CG9709	(ACYL-COA OXIDASE) ac * 1e-111 similar to ACYL-COEN CG9709 LD30186 57D12-57D12 dup:2/2 ID:89F10
	+ RpP0 * DMAP3A_2 RpP0 * ACIDIC RIBOSOMAL PROTEIN P0 HOMOLOG (L10E) (RIBOSOMAL PROTEIN L10)(aa) * 60S
007400	ACIDIC RIBOSOMAL PROTEIN P0 (DEOXYRIBONUCLEASE (APURINI [60s_ribosomal // Ribosomal_L10] CG7490 79C3-79C3
CG7490	dup:3/3 ID:89F5

CG4985	+ transcription_factor neural zinc finger factor 3; NZF-3 [Rattus norvegicus] ATPASE_ALPHA_BETA, zf-C2HC CG4985 LD30401 dup:2/2 ID:89H10
CG12050	 unknown unknown protein [Arabidopsis thaliana] NLS_BP, WD40_REGION CG12050 LD30416 dup:2/2 ID:89H12 transcription_factor * fruitless protein(aa) * fruitless class I male isoform(aa) * 3e-21 LOLS_DROME LOLA PROTEIN, SHORT ISOFORM (LONGITUDINALS LACKING PROTEIN) * 2e-06 co [BTB // HTH_FIS_FAMILY // NLS_BP] CG7230 56C-56C
CG7230	dup:6/10 ID:89H5
CG4602	+ CG4602 dup:3/4 ID:89H6
CG4488	+ protein_kinase CG4488 ID:89H8
CG7065	+ unknown * [NLS_BP] CG7065 LD35502 8C17-8C17 ID:95A12
CG6241	 unknown * 8e-07 TAFI68 * 7e-06 transcription factor SL1 * [NLS_BP] CG6241 LD35363 85F13-85F13 ID:95A2 ribosomal_protein * cDNA EST yk433f11.3 comes from this gene; cDNA EST yk433f11.5 comes from this gene(aa) * 9e-05
CG5108	YJ83_YEAST PUTATIVE 40S RIBOSOMAL PROTEIN YJR113C pro [Ribosomal_S7] CG5108 LD35371 31D11-31D11 ID:95A3 unknown * hypothetical protein(aa) * 2e-19 probable membrane protein YPR105c - yeast (Saccharomyces cerevisiae) * 2e-
CG7456	40 contains similarity to Arabidopsis me CG7456 LD35507 31E4-31E4 dup:2/2 ID:95B1 + * Anchor protein. Mediates attachment of autophagosomes to microtubules.; Aut2p(aa) * similar to Histidine acid
CG4428	phosphatases; cDNA EST yk432a1.3 come CG4428 21E2-21E2 dup:4/4 ID:95B10
	+ unknown * Similarity to Yeast SOH-1 protein * CGI-125 protein(aa) * 2e-19 YB78_YEAST HYPOTHETICAL 35.9 KD
CG1057	PROTEIN IN PCS60-ABD1 INTERGENIC REGION CG1057 LD35644 82D2-82D2 ID:95B11
	+ unknown * 1e-52 NUC1_YEAST MITOCHONDRIAL NUCLEASE nuclease NUC1 (EC 3.1.30 * 5e-77 YJ05_CAEEL HYPOTHETICAL 85.1 KD NUCLEASE C41D11.5 simila * 2e-68 NUCG_MOUSE [NUCLEASE_NON_SPEC // Endonuclease]
CG8862	CG8862 LD35517 48F1-48F1 ID:95B2
	+ actin_binding * erythrocyte membrane protein band 4.1 (elliptocytosis 1, RH-linked)(aa) * DMP41A_4 cora * 2e-55 product of
CG9764	alternative splicing; homologue to membra [BAND_41_1 // Band_41 // BAND41 // BAND_] CG9764 LD35542 89A1-89A1 ID:95B4 + canalicular multispecific organic anion transporter (ABC superfamily)(aa) * cadmium resistance protein YCF1 - yeast
CG10441	(Saccharomyces cerevisiae) * 1e- [ATP_GTP_A2 // ABC_TRANSPORTER // ABC_tr] CG10441 37B9-37B9 dup:1/2 ID:95C1
CG5456	+ unknown * CG5456 LD35728 94A3-94A3 ID:95C10
	+ RNA_binding * splicing factor (CC1.3)(aa) * 5e-12 polyadenylated RNA-binding protein PUB1 - yeast (Saccharomyces
	cerevisiae) >g * 7e-11 RNA-binding protein * 1e-1 [RNP_1 // RBD // rrm // NLS_BP] CG11266 LD35730 27D-27D3 dup:1/2
CG11266	ID:95C11
CG6376	+ E2f transcription_factor * E2f * E2F * 1e-19 predicted using Genefinder; cDNA EST comes from this * 5e-35 E2F3_MOUSE TRANSCRIPTION FACTOR E2F3 (E2F-3) transcripti [NLS_BP] CG6376 LD35741 93F1-93F1 dup:2/3 ID:95C12
CG0376	+ unknown * BLASTX 1.2E-22 Human YL-1 mRNA for YL-1 protein (nuclear protein with DNA-binding ability), complete
CG4621	cds.(dna) * transcription factor-like 1(aa) * t [NLS_BP] CG4621 LD35676 34A3-34A3 ID:95C3
CG7705	+ unknown * CG7705 LD35690 91B7-91B8 ID:95C5
CG7281	+ CycC cell_cycle_regulator * DMCYCLCG_2 CycC * cyclin C(aa) * cyclin C protein(aa) * cyclin C(aa) CG7281 LD35705 88D8-88D8 dup:3/3 ID:95C8
001201	00D0 ddp.0/0 1D.0000

	+ Arp66B cytoskeletal_structural_protein * DMACTR66B_2 Arp66B * 1e-126 ARP3_YEAST ACTIN-LIKE PROTEIN ARP3 actin
CG7558	homolog YJR065 * ARP3_DROME ACTIN-LIKE PROTEIN (ACTIN-LIKE PROTEIN 66B) (ACTIN [ACTINS_ACT_LIKE // actin] CG7558 LD35711 66B8-66B8 ID:95C9
CG7550	+ 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
	+ unknown * 8e-73 YIJ1_YEAST HYPOTHETICAL 84.0 KD PROTEIN IN SGA1-KTR7 INTERGENIC REGION * 1e-119
CG3735	dJ434O14.5 (novel PUTATIVE protein similar to YIL091C yeast hy CG3735 LD35854 60A11-60A11 ID:95D10
	+ RNA_binding * HYPOTHETICAL PROTEIN * 3e-23 YKB7_YEAST HYPOTHETICAL 78.3 KD PROTEIN IN RAM2-ATP7
CG9425	INTERGENIC REGION * 9e-11 cDNA EST yk384f3.5 comes from this gene; [zf-CCCH] CG9425 LD35863 70F6-70F6 dup:3/3 ID:95D12
CG9425	+ EG:114E2.2 * MAX BINDING PROTEIN MNT (ROX PROTEIN) (MYC ANTAGONIST MNT)(aa) * MAX BINDING PROTEIN MNT
	(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
	+ Rad51 DNA_repair_protein * DMDMRBA_1 Rad51 * 2e-97 RA51_YEAST DNA REPAIR PROTEIN RAD51 RAD51 protein -
	yeast * 1e-176 RA51_DROME DNA REPAIR PROTEIN RAD51 HOMOLOG (RECA PROTEIN [HHH // RECA_1 // RECA_2 //
CG7948	ATP_GTP_A] CG7948 LD35801 99D5-99D6 ID:95D3
	+ Bub1 enzyme * Bub1 * 4e-75 hypothetical protein YLR419w - yeast (Saccharomyces cerevisiae) (U * DDX9_CAEEL PROBABLE ATP-DEPENDENT RNA HELICASE A (NUCLEAR DNA HEL [PROTEIN_KINASE_ST // pkinase // PROTEIN] CG7838
CG7838	LD35813 42A1-42A1 ID:95D5
007000	+ motor_protein * 1e-34 cDNA EST comes from this gene; cDNA EST co * 3e-61 protein * 4e-19 SAD1_SCHPO SPINDLE
CG3287	POLE BODY ASSOCIATED PROTEIN SAD1 sp * 4e-29 inserted at CG3287 LD35815 42D1-42D1 dup:2/2 ID:95D6
	+ cos motor_protein * cos * 3e-20 YGW6_YEAST PUTATIVE KINESIN-LIKE PROTEIN YGL216W hypoth * kinesin-related
	protein; KRP; Costal2 * 1e-21 Similarity to Mouse kinensin-lik [kinesin // KINESIN_MOTOR_DOMAIN2 // KIN] CG1708 LD35834
CG1708	43B2-43B2 ID:95D7
CG8187	+ defense/immunity_protein * 1e-101 inserted at base Both 5' and 3' ends of P element Inverse PCR * * CG8187 LD35843 52A10-52A10 ID:95D8
CG15435	+ nucleic_acid_binding * [ZINC_FINGER_C2H2 // ZINC_FINGER_C2H2_2] CG15435 LD35850 24F5-24F5 ID:95D9
00.00	+ lace enzyme * 1e-107 LCB2_YEAST SERINE PALMITOYLTRANSFERASE (LONG CHAIN BASE BIOSYNTHESIS PROTEIN *
	2e-24 delta-aminolevulinate synthase * 1e-128 Similar to serin [aminotran_2 // AA_TRANSFER_CLASS_2 // N] CG4162 LD36009
CG4162	35D3-35D3 dup:2/2 ID:95E11
000504	+ RNA_binding * 8e-06 hypothetical protein YPR112c - yeast (Saccharomyces cerevisiae) (U * 1e-05 similar to RNA
CG3594	recognition motif. (aka RRM, RBD, or RNP domain); c [RBD // rrm // NLS_BP] CG3594 LD36016 60D15-60D15 dup:2/2 ID:95E12
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
300174	+ Sdic motor_protein * Sdic * DYNEIN INTERMEDIATE CHAIN, CYTOSOLIC (DH IC) (CYTOPLASMIC DYNEIN INTERMEDIATE
CG9580	CHAIN)(aa) * axonemal dynein intermediate chain Sdic(aa) * 4e- [WD40] CG9580 LD35918 19C1-19C1 dup:2/2 ID:95E4
CG11837	+ 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] CG11837
	LD35950 98F9-98F9 dup:2/2 ID:95E6 + signal_transduction * 5e-11 CC4_YEAST CELL DIVISION CONTROL PROTEIN cell division * 8e-25 Lis1 homolog * 1e-127
	YPR4_CĂEEL HYPOTHETICAL 77.0 KD TRP-ASP REPEATS CO[GPROTEINBRPT // WD40_REGION // WD_REPEA] CG9062
CG9062	LD35961 47E3-47E3 dup:4/4 ID:95E7
CG17081	+ motor_protein * 6e-08 F35D11.11 gene product * YL17_CAEEL HYPOTHETICAL 131.5 KD PROTEIN C02F12.7 IN CHROMOSOME X (* [NLS_BP] CG17081 LD35990 71B2-71B2 dup:3/3 ID:95E9
	+ Eip55E enzyme * Yfr055wp(aa) * ecdysteroid-inducible polypeptide EIP40(aa) * 4e-99 CYS3_YEAST CYSTATHIONINE GAMMA-LYASE (GAMMA-CYSTATHIONASE) * 1e-133 CGL_CAEEL PUT [Cys_Met_Meta_PP] CG5345 LD36096 55E5-55E5
CG5345	dup:2/2 ID:95F11
CG6342	+ Irp-1B RNA_binding * Irp-1B * 9e-47 aconitase (ACO1) (EC 4.2.1.3) * iron regulatory protein-1B * ACOC_CAEEL PROBABLE ACONITATE HYDRATASE, CYTOPLASMIC (CITRATE HYDRO-LYA [ACONITASE_2 // Aconitase_C // aconitase] CG6342 LD36108 86A6-86A6 ID:95F12
CG6398	+ unknown * 8e-16 coded for by C. elegans cDNA yk81c2.5 * * CG6398 LD36024 16D4-16D4 dup:2/2 ID:95F3
	+ nmo protein_kinase * nmo * 2e-58 HOG1_YEAST MITOGEN-ACTIVATED PROTEIN KINASE HOG1 (MAP KINASE HOG1)
	(OSMOSENSING * nemo, form I - fruit fly (Drosophila melanogaster) [PROTEIN_KINASE_ST // PROTEIN_KINASE_DOM] CG7892
CG7892	LD36031 67D9-66B4 dup:2/2 ID:95F4
CG1943	 unknown * CG1943 LD36048 84C1-84C1 ID:95F5 nucleic_acid_binding * castor protein - fruit fly (Drosophila sp.)(aa) * neuroblast cell lineage zinc finger protein ming - fruit fly
CG2102	(Drosophila melan * I(3)j1C2 I(3)j1C[CRYSTALLIN_BETAGAMMA // ZINC_FINGER_C2H] CG2102 LD36057 83C1-83C1 ID:95F7 + ubiquitin * BAT3(aa) * 2e-05 ubiquitin-like protein DSK2 - yeast (Saccharomyces cerevisiae) * 3e-14 BAT3 * 2e-15 Scythe
CG7546	[UBIQUITIN_1 // ubiquitin // UBIQUITIN_2] CG7546 LD36241 67B10-67B10 dup:1/2 ID:95G12
CG4454	+ unknown * CG4454 LD36125 32A1-32A1 dup:2/3 ID:95G2
CG8326	+ motor_protein * CG8326 LD36157 16B10-16B10 ID:95G4
	+ Hsp67Bb chaperone * DMHGSG2_7 Hsp67Bb * 1e-14 hypothetical protein YOR285w - yeast (Saccharomyces cerevisiae) * 5e-60 HS6B_DROME HEAT SHOCK PROTEIN 67B2 heat shock prot [Rhodanese // RHODANESE] CG4456 LD36162 67B1-67B1
CG4456	ID:95G6
CG5175	+ CG5175 ID:95H10
CG11658	+ unknown * DY3.6(aa) * * CG11658 LD36342 71C2-71C2 dup:2/2 ID:95H11
CG15814	+ unknown * HYPOTHETICAL 47.6 KD PROTEIN C16C10.5 IN CHROMOSOME III(aa) * similar to Zinc finger, C3HC4 type (RING finger); cDNA EST EMBL:D7 * [zf-C3HC4 // ZF_RING] CG15814 16D6-16D6 dup:3/3 ID:95H12
CG 13014	+ 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
	+ DNA_binding * 3e-05 HP1_DROME HETEROCHROMATIN PROTEIN (HP1) (NONHISTONE CHROMOSOMAL PROTEIN
CC0000	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
0011700	+ chaperone * FKBP54(aa) * 2e-11 FKBP_YEAST FK506-BINDING PROTEIN (FKBP) (PEPTIDYL-PROLYL CIS-TRANS
	ISOMERASE) (P * 3e-08 FKB2 DROME KD FK506-BINDING PROTEIN (FK [TPR REGION // FKBP PPIASE 2 // FKBP PPI]
CG5482	CG5482 LD36412 55E5-55E5 ID:96A4
000102	+ unknown * 2e-10 transmembrane protein * 6e-12 weak similarity to plasminogens * 2e-12 DMDUSKY_1 dy * similar to
CG7802	cuticlin [NLS_BP] CG7802 LD36439 99C5-99C5 ID:96A7
00,002	+ enzyme * bgr;ggt-I * protein farnesyl transferase beta subunit(aa) * farnesyl protein transferase subunit B(aa) * predicted
CG17565	using Genefinder; Similarity t [prenyltrans] CG17565 LD36454 89C3-89C3 dup:1/2 ID:96A8
CG1918	+ * [PHOSPHOPANTETHEINE // ANTIFREEZEI] CG1918 43F4-43F4 ID:96A9
001010	+ Dlc90F motor_protein * Tctex protein(aa) * DMTCTEXPR_2 Tctex * 1e-61 Tctex protein * 7e-14 predicted using Genefinder;
CG12363	cDNA EST yk460f12.5 comes from this ge CG12363 LD36705 90F7-90F7 ID:96B11
	+ Sap47 unknown * synapse associated protein sap47-2 - fruit fly (Drosophila melanogaster)(aa) * DMSAP472_2 Sap47 * 1e-99
CG8884	synapse-associated protein sap47-1 - fruit f CG8884 LD36546 89B1-89B2 ID:96B2
	+ 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
	+ unknown * HYPOTHETICAL 32.0 KD PROTEIN C16C10.10 IN CHROMOSOME III(aa) * CGI-150 protein(aa) * 3e-21 Similar
CG1532	to protein from Brassica oleracea which is simila [Glyoxalase] CG1532 LD36566 19E6-19E6 ID:96B4
	+ EG:86E4.4 signal_transduction * /match=(desc:; /match=(desc:; /match=(de * 2e-25 lin-9 protein - Caenorhabditis elegans * 8e-21
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
	+ Rpt1 endopeptidase * 1e-166 PRS7_YEAST 26S PROTEASE REGULATORY SUBUNIT HOMOLOG (CIM5 PROTEIN) (TAT-
	BINDING * 4e-48 transitional endoplasmic reticulum ATPase TER94 * PRS [AAA // ATP_GTP_A] CG1341 LD36653 43E6-43E6
CG1341	dup:1/3 ID:96B9
	+ electron_transfer * 2e-36 C561_CAEEL PUTATIVE CYTOCHROME B561 (CYTOCHROME B-561) hy * 6e-37 cytochrome
004075	B561 * 4e-39 C561_HUMAN CYTOCHROME B561 (CYTOCHROME B-561) cytoch CG1275 LD36721 62D4-62D5 dup:1/2
CG1275	ID:96C1
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
007040	+ 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
CG2858	+ * similar to Arabidopsis thaliana male sterility protein * 4e-47 /match=(desc:; /ma * 6e-30 male sterility 2-like protein * 4e-49 DMC103B4 CG2858 60E5-60E5 dup:1/2 ID:96C7
UG2000	DIVICTO3B4 CG2636 60E3-60E3 dup. 1/2 1D.86C7

	+ Csp chaperone * cysteine string protein 1(aa) * 2e-16 MAS5_YEAST MITOCHONDRIAL PROTEIN IMPORT PROTEIN MAS5
CG6395	(PROTEIN YDJ1) * 4e-19 simiilar to the DNA-J domain foun [4FE4S_FERREDOXIN // DNAJ_1 // DnaJ // D] CG6395 LD36856 79E1-79E2 dup:1/4 ID:96C8
00000	+ unknown * Yor240wp(aa) * hypothetical protein(aa) * * 1e-56 probable membrane protein YOR240w - yeast
CG13929	(Saccharomyces cerevisiae) [MET_TRANS // SAM_BIND] CG13929 LD36863 62A10-62A10 ID:96C9
	+ motor_protein * Mklp1 * kinesin motor protein KIFC3(aa) * 2e-20 NUF1_YEAST NUF1 PROTEIN (SPINDLE POLY BODY
004004	SPACER PROTEIN SPC110) * 4e-30 microtubule binding prote [kinesin // KINESIN_MOTOR_DOMAIN1 // KIN] CG4831 LD36932
CG4831	32E4-32E4 ID:96D1 + thr unknown * three rows protein * thr * THR_DROME THREE ROWS PROTEIN chromosome disjunction prot [NLS_BP]
CG5785	CG5785 LD37031 54F5-54F6 dup:2/2 ID:96D10
000700	+ 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
CG4877	+ unknown * [NLS_BP] CG4877 LD36996 72F1-72F1 dup:2/2 ID:96D5
CG13626	+ unknown * 1e-05 No definition line found * [T_SNARE] CG13626 LD37002 96A14-96A14 ID:96D6
	+ Abi signal_transduction * Abl tyrosine kinase-interacting protein(aa) * 9e-07 YFJ4_YEAST HYPOTHETICAL 40.4 KD PROTEIN
CG9749	IN PES4-HIS2 INTERGENIC REGION * 2e-05 DRK_DRO[AA_TRANSFER_CLASS_2 // P67PHOX // SH3DO] CG9749 LD37010 88A10-88A10 dup:2/2 ID:96D8
CG9149	+ unknown * 1e-111 protein * 1e-114 UNR_RAT UNR PROTEIN probable unr protein - rat * unknown [COLD_SHOCK // CSD]
CG7015	CG7015 LD37025 66C13-66C13 dup:2/4 ID:96D9
	+ Ndr protein_kinase * DMPROKINX_2 Ndr * Ndr protein kinase(aa) * 1e-128 KNQ1_YEAST PROBABLE
	SERINE/THREONINE-PROTEIN KINASE YNL161W * 1e-175 coded for by C. elegans [PROTEIN_KINASE_ST //
CG8637	PROTEIN_KINASE_DOM] CG8637 LD37189 76D3-76D3 dup:2/2 ID:96E10
CG6144	+ unknown * predicted using Genefinder(aa) * * CG6144 LD37206 31E4-31E4 dup:2/2 ID:96E12
000075	+ EG:100G10.5 transporter * by content; by match; 2-match_description=UDP-GALACTOSE TRANSLOCATOR (UDP(aa) * No
CG2675	definition line found(aa) * 8e-71 Similarity to Mouse CMP-s CG2675 LD37122 3B5-3B5 dup:2/2 ID:96E3 + Noa36 nucleic_acid_binding * nucleolar protein, putative(aa) * 1e-111 cysteine-rich protein * 1e-110 Zn finger factor *
CG10009	[NLS_BP] CG10009 LD37139 98D3-98D3 dup:2/2 ID:96E5
CG5541	+ unknown * [C TYPE LECTIN 1] CG5541 LD37145 13A8-13A8 dup:3/3 ID:96E6
000011	+ 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
000707	+ pnut cytoskeletal_structural_protein * pnut * PEANUT PROTEIN(aa) * 3e-82 cell division cycle protein * 1e-134 CDC10
CG8705	[GTP_CDC // NLS_BP // ATP_GTP_A] CG8705 LD37170 44B3-44B4 dup:2/2 ID:96E9
CG13601	+ unknown * 7e-08 No definition line found * * CG13601 LD37258 95C-95C ID:96F10

CG8825	 unknown * 3e-18 Contains similarity to Pfam domain: (PLDc), Score=13.8, * * CG8825 LD37277 23D4-23D4 ID:96F12 transporter * 4e-09 maltose permease - Bacillus stearothermophilus maltose pe * transcription factor IIE - African clawed frog
CG7334	* TfIIE&agr CG7334 LD37218 68C13-68C13 ID:96F3
	+ 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
	+ fs(1)K10DNA_binding * regulatory protein K10, oocyte-specific - fruit fly (Drosophila melanogaster)(aa) * DMK10G_4 fs(1)K10 *
CG3218	4e-58 K10_DROME DŇA-BINDING PROTEIN K10 * 62 [PRO_RICH] CG3218 LD37240 2F1-2F1 ID:96F7
	+ transporter * cationic amino acid transporter-1(aa) * solute carrier family (cationic amino acid transporter, y+ system),
	member 1(aa) * LOW-AFFINITY CATIONIC AMI [aa_permeases // AMINO_ACID_PERMEASE_2] CG11128 LD37241 79F5-79F6
CG11128	dup:2/2 ID:96F8
	+ enzyme * BLASTX 2.5E-12 FMS1 Protein with similarity to Candida albicans corticosteroid-binding protein CBP1(dna) *
CG8032	I(2)37Cs * Fms1p(aa) * 1e-12 FMS1_YEAST F [NAD_BINDING] CG8032 LD37279 85A11-85A11 dup:1/2 ID:96G1
	+ unknown * 8e-08 predicted using Genefinder; similar to WW domain * 1e-07 inserted at base Both 5' and 3' ends of P
CG8949	element Inverse PCR * [WW_rsp5_WWP // WW_DOMAIN_1 // NLS_BP //] CG8949 15D1-15D1 ID:96G10
	+ function_unknown * 2e-05 hypothetical protein YDL115c - yeast (Saccharomyces cerevisiae) * 5e-09 hypothetical protein *
CG10528	2e-43 inserted at base 5' end of P element Inve CG10528 LD37329 38A-38A4 dup:1/3 ID:96G3
	+ 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
CG4865	+ EG:EG0007.10 unknown * by content; * 1e-92 by content; 1-meth * 1E-94* CG4865 LD37360 4B1-4B1 ID:96G8
	+ ion_channel * outer membrane protein(aa) * The gene product is related to adenylyl cyclase.(aa) * 1e-18 DLG1_DROME
CG5462	LETHAL(1)DISCS LARGE-1 TUMOR SUPPRESSOR PROTEIN [PDZ] CG5462 LD37377 100B1-97B9 dup:1/3 ID:96G9
	+ B52 RNA_binding * transcription, DNA-dependent mRNA splicing) RNA binding RNA binding) nucleic acid binding pre-mRNA
CG10851	splicing factor) * DMB52_2 B52 * 52K active ch [RBD // rrm // NLS_BP] CG10851 LD37428 87F7-87F7 ID:96H1
CG6311	+ unknown * CG6311 LD37618 74D2-74D2 dup:1/2 ID:96H12
	+ enzyme * protein(aa) * 3e-37 PAN2_YEAST PAB-DEPENDENT POLY(A)-SPECIFIC RIBONUCLEASE SUBUNIT PAN2
	(PAB1P-DEPE * 4e-59 YPO4_CAEEL HYPOTHETICAL 127.2 KD PROTEIN [UCH_2_3 // Exonuclease] CG8232 LD37466 44F9-
CG8232	44F11 dup:1/4 ID:96H2
	+ RNA_binding * * 3e-33 cDNA EST yk500a3.3 comes from this gene; cDNA EST yk500a3.5 comes * 2e-64 inserted at base
CG2503	Unknown 5' end of P element Plasmid rescue * CG2503 LD37523 82E1-82E1 ID:96H6
CG10978	+ * 2e-14 cDNA EST yk448c11.3 comes from this gene; cDNA EST com * * CG10978 83C-83C dup:2/4 ID:97A5
	+ 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
CG2961	+ unknown * [KININOGEN] CG2961 LD38046 9B7-9B7 ID:97C11

CG2669	+ unknown * [NLS_BP] CG2669 LD38047 83A4-83A5 ID:97C12
	+ enzyme * 1e-171 SYMC_YEAST METHIONYL-TRNA SYNTHETASE, CYTOPLASMIC (METHIONINETRNA LIGASE) (ME
CG15100	* 1e-08 SYEP_DROME MULTIFUNCTIONAL AMINOACYL-TRNA SYNTHETASE [tRNA-synt_1 // TRNASYNTHMET // WHEP- TRS] CG15100 LD37969 55F3-55F4 ID:97C3
CG14442	+ unknown * 7e-05 unknown * * [MIP // NLS BP] CG14442 LD38069 6C7-6C8 dup:2/3 ID:97D2
	+ transcription_factor * Cys2/His2 zinc finger protein(aa) * ovo * fruit fly STS clone SP6(dna) * zinc finger protein NY-REN-21
CG4639	antigen(aa) [zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG4639 LD38072 94E-94E ID:97D4
CG8928	+ unknown * CG8928 LD38104 13F14-13F14 ID:97D7
	+ enzyme * BLASTX 1.1E-34 Rattus sp. mRNA for hemC gene.(dna) * BLASTX 1.1E-34 Rattus sp. mRNA for hemC gene.(dna) * 7e-54 HEM3 YEAST PORPHOBILINOGEN DEAMINASE [PORPHBDMNASE // Porphobil deam] CG9165 LD38107
CG9165	61F7-61F7 dup:2/2 ID:97D8
	+ transcription_factor * DMPLYCMB_2 Pcl * BLASTX 2.1E-16 element DNA-binding protein(dna) * polycomblike nuclear
CG5109	protein [PHD // PRO_RICH] CG5109 LD38218 55B5-55B7 dup:3/3 ID:97E2
CG8892	 unknown * 1e-18 hypothetical protein YDR330w - yeast (Saccharomyces cerevisiae) (U * 3e-35 protein * 1e-24 ubiquitin regulatory domain protein * 1E-111 [UX_DOMAIN] CG8892 LD38226 25B-25B9 dup:2/2 ID:97E3
CG0092	+ unknown * hypothetical protein(aa) * Hrt2p(aa) * F31D4.2(aa) * hypothetical protein(aa) CG2921 LD38241 58C1-58C1
CG2921	dup:2/2 ID:97E5
	+ Übp64E endopeptidase * DMUBP_2 Ubp64E * 9e-55 UBPF_YEAST UBIQUITIN CARBOXYL-TERMINAL HYDROLASE
00=400	(UBIQUITIN THIOLESTERASE * UBPE_DROME UBIQUITIN CARBOXYL-TERMINAL HYDROLASE [UCH_2_1 // UCH_2_2 //
CG5486	UCH_2_3 // UCH-1] CG5486 LD38333 64E13-66A5 ID:97F1 + enzyme * coded for by C. elegans cDNA yk16b2.3; coded for by C. elegans cDNA yk16b2.5; Similar to amidase.(aa) * 1e-23
CG5112	+ enzyme * coded for by C. elegans cDNA yk16b2.3; coded for by C. elegans cDNA yk16b2.5; Similar to amidase.(aa) * 1e-23 putative yeast amidase * 3e-21 coded f [Amidase // AMIDASES] CG5112 LD38433 99B4-99B4 ID:97F10
000112	+ su(f) DNA_binding * 2e-47 RN14_YEAST MRNA 3'-END PROCESSING PROTEIN RNA14 RNA14 p * SUF_DROME
	SUPPRESSOR OF FORKED PROTEIN gene su(f) protein * cleavage stimulation fa [NLS_BP] CG17170 LD38348 cyto_unknown
CG17170	ID:97F2
CG11417	+ EG:8D8.4unknown * /match=(desc:(aa) * 5e-48 hypothetical protein YDR365c - yeast (Saccharomyces cerevisiae) (U * 6e-34 cDNA EST comes from this gene * 4e-60 hypothet [NLS_BP] CG11417 LD38432 2A2-2A2 dup:2/2 ID:97F9
0011417	+ unknown * 5e-10 FIP1_YEAST FIP1 PROTEIN FIP1 protein - yeast (Saccharom * 3e-16 contains similarity to S. cerevisiae
CG1078	FIP1 * 2e-13 YAAA_SCHPO HYPOTHETICAL 37.3 [PRO_RICH // NLS_BP] CG1078 LD38592 82C2-82C2 dup:1/3 ID:97G11
	+ enzyme * BLASTX 1.3E-13 Bos taurus phosphatidylinositol 4-kinase mRNA, complete cds.(dna) * 1e-29 PIK1_YEAST
007004	PHOSPHATIDYLINOSITOL 4-KINASE PIK1 (PI4-KINASE) [PI3_4_KINASE_1 // PI3_PI4_kinase // PI3] CG7004 LD38593 61B3-
CG7004 CG8180	61B3 dup:3/3 ID:97G12 + unknown * 1E-178* * [ANTIFREEZEI] CG8180 LD38554 52A4-52A4 dup:1/2 ID:97G8
CG6160	 unknown * 1E-178* * [ANTIFREEZEI] CG8180 LD38554 52A4-52A4 dup:1/2 ID:97G8 * 2e-45 sulfate permease * 1e-27 Similar to sulfate transporter. * 9e-33 DTD_MOUSE SULFATE TRANSPORTER
	(DIASTROPHIC DYSPLASIA PROTEIN HOMOLOG) (ST-OB) [Sulfate_transp // SUGAR_TRANSPORT_2] CG5002 54E7-54E7
CG5002	ID:97G9
CG6773	+ BcDNA:LD03471 transcription_factor_binding * SEC13-RELATED PROTEIN(aa) * cytoplasmic protein involved in release of

	transport vesicles from the ER; Sec13p(aa) * PROTEIN TRANSPORT PROTEIN SEC13([WD40_REGION // WD40] CG6773 LD38669 94F1-94F1 ID:97H2
CG3221	+ motor_protein * 3e-05 unknown protein IT1 * * CG3221 LD38682 57B15-57B15 ID:97H5
000221	+ 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
007000	+ DNA_binding * 7e-32 NAM7_YEAST NAM7 PROTEIN (NONSENSE-MEDIATED MRNA DECAY PROTEIN 1) (UP-
	FRAMESHIFT * 1e-27 nonsense-mediated mRNA decay trans-acting factor * 2[ZINC_FINGER_C2H2 // PRO_RICH // ATP_GTP]
CG6701	CG6701 LD38709 50C21-50C22 dup:2/2 ID:97H8
000701	+ unknown * weak similarity to ATP/GTP-binding site motif A * 2e-40 weak similarity to ATP/GTP-binding site motif A elega *
CG5924	1e-63 POM1 chabaudi * [ATP_GTP_A] CG5924 LD38710 33A1-33A1 dup:1/2 ID:97H9
000021	+ 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
	+ BcDNA:GH07910 protein_kinase * 7e-22 CC5_YEAST CELL CYCLE PROTEIN KINASE CDC5/MSD2 protein ki * 3e-12 p90
	ribosomal S6 kinase * 1e-121 YKT3_CAEEL PUTATIVE SERINE/THREONINE-[PFKB_KINASES_1 // PROTEIN_KINASE_ST //]
CG2829	CG2829 LD38852 3F4-3F6 dup:5/6 ID:98B2
	+ 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
	+ RasGAP signal_transduction * RasGap protein(aa) * 2e-16 BUD2_YEAST INHIBITORY REGULATOR PROTEIN BUD2/CLA2
	GTPase- * RasGap protein * 1e-40 similar to GTPase-activating p[RAS_GTPASE_ACTIV_2 // SH2DOMAIN // C2 /] CG9209
CG9209	LD38909 14A1-14A1 dup:1/2 ID:98B8
	+ unknown * 4e-14 YPT2_CAEEL HYPOTHETICAL 21.6 KD PROTEIN F37A4.2 IN CHROMOSOME III * 5e-05 unknown
CG8441	protein * * [NLS_BP] CG8441 LD38910 52F7-52F7 dup:2/2 ID:98B9
CG18011	+ nucleic acid binding * CG18011 LD39136 46E8-46E8 ID:98C11
	+ unknown * HYPOTHETICAL 35.0 KD PROTEIN F48E8.1 IN CHROMOSOME III(aa) * Similar to plant PR-1 class of
	pathogen related proteins; Pry3p(aa) * sol i antigen(aa [SCP_AG5_PR1_SC7_2 // V5TPXLIKE // V5ALL] CG8483 LD39025 87E2-
CG8483	87E3 ID:98C2
	+ 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 LD39062
CG6678	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
	+ unknown * 1e-75 hypothetical protein * repressor of the gab DTP gene cluster * Y039_MYCPN HYPOTHETICAL PROTEIN
CG10639	MG039 HOMOLOG glycerol- * CG10639 LD39082 37B8-37B8 ID:98C7
	+ 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
CG1624	+ transcription_factor * 0.00000000006* 9e-25 YMB4_CAEEL HYPOTHETICAL 104.4 KD PROTEIN F54G8.4 IN

	CHROMOSOME III * 4e-13 TIF1 protein - mouse TIF1 isoform Pepti * 8e-24 brai [NHL] CG1624 LD39167 43C5-43C7 ID:98D2
0044444	+ 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
CG14764	 unknown * CG14764 LD39211 43F6-43F6 ID:98D5 unknown * CGI-25 protein(aa) * Unknown protein(aa) * 5e-61 R05G6.4 gene product * [NLS_BP] CG6179 LD39230 17A10-
CG6179	17A10 ID:98D7
000179	+ sta ribosomal_ protein * 6e-69 NABA_YEAST 40S RIBOSOMAL PROTEIN SA HOMOLOG A (NUCLEIC ACID-BINDING
	PROTEIN NAB1 * 1e-143 RSP4_DROME 40S RIBOSOMAL PROTEIN SA (P40) (STUBARIST RIBOSOMALS2,
CG14792	RIBOSOMAL_S2_1 CG14792 ID:98D8
	+ enzyme * 9e-41 /match=(desc:; /ma * 5e-35 cDNA EST comes from this gene; cDNA EST co * 9e-06 Ubc84D * contains
CG4502	similarity to ubiquitin-conjugatin enzymes (Pf [UQ_con // UBIQUITIN_CONJUGAT_2] CG4502 LD39243 27E4-27E4 ID:98D9
	+ 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
0047004	+ unknown * nucleotide binding protein (E.coli MinD like)(aa) * putative nucleotide binding protein(aa) * 7e-82 NB35_YEAST
CG17904 CG6425	NBP35 PROTEIN NBP35 protein - yeast CG17904 LD39271 36A7-36A7 dup:2/2 ID:98E2 + unknown * CG6425 LD39291 97C3-97C3 dup:2/2 ID:98E3
CG6425	+ unknown * CG6425 LD39291 97C3-97C3 dup:2/2 ID:98E3 + asf1 cell_cycle_regulator * involved in silencing; Asf1p(aa) * Similarity with yeast anti-silencing protein I (Swiss Prot accession
CG9383	number cDNA EST comes from this gene; cDNA CG9383 LD39377 76C1-76C1 dup:2/2 ID:98E8
00000	+ ial protein_kinase * Ipl1/aur serine/threonine kinase(aa) * 2e-68 IPL1_YEAST SERINE/THREONINE-PROTEIN KINASE IPL1
	probable * 1e-75 protein kinase (EC 2.7.1.37) aurora - [PROTEIN_KINASE_ST // TYRKINASE // PROTE] CG6620 32B4-32B4
CG6620	dup:4/5 ID:98E9
	+ 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
	+ DNA_binding * 2e-15 YJ89_YEAST HYPOTHETICAL 85.0 KD PROTEIN IN STE24-ATP2 INTERGENIC REGION * 8e-26
CG3654	Similarity to Human XE169 protein (SW:XE169_HUMAN); cDNA EST E [ARID // PRO_RICH // NLS_BP] CG3654 LD39559 67B5-67B5 dup:3/3 ID:98F11
CG3854 CG1896	+ unknown * [NLS BP] CG1896 LD39576 100E2-100E2 dup:2/2 ID:98F12
CG 1090	+ protein_kinase * ZC581.9 gene product(aa) * 4e-40 SCY1_YEAST SCY1 PROTEIN SCY1 protein - yeast (Saccharom * 8e-
	26 ZC581.9 gene product * 3e-05 putative serine/threon [PROTEIN_KINASE_DOM // pkinase] CG1951 LD39455 98F-98F dup:2/2
CG1951	ID:98F2
CG6141	+ RpL9 ribosomal_protein 60S RIBOSOMAL PROTEIN L9 RIBOSOMAL_L6_2, Ribosomal_L6 CG6141 ID:98F7
CG5194	+ unknown * CG5194 LD39537 66F1-66F1 ID:98F8
	+ mod DNA_binding * DNA-BINDING PROTEIN MODULO(aa) * DMLA9_4 mod * 3e-05 Similarity to Human splicosome-
	associated protein SAP62 (PIR Acc. * 5e-05 NUCL_MOUSE NUCLEOLIN [RBD // rrm // NLS_BP // ATP_GTP_A] CG2050 100F5-
CG2050	100F5 dup:3/3 ID:98F9
CG5720	+ BcDNA:LD27873 actin_binding * 1e-06 RNA-binding protein * 1e-06 NAB2_YEAST NUCLEAR POLYADENYLATED RNA-

	BINDING PROTEIN NAB2 * 3e-88 inserted at base Both 5' and 3' ends of P eleme [NLS_BP] CG5720 95F-98B1 dup:5/8 ID:98G12
CG11299	+ cell_cycle_regulator * non-p53 regulated PA26-T1 nuclear protein(aa) * 2e-72 p53 regulated PA26-T3 nuclear protein * p53 regulated PA26-T2 nuclear protein * CG11299 LD39604 59F5-59F6 ID:98G2
CG11299	+ unknown * weak similarity to C. elegans predicted protein C33G8.2(aa) * HYPOTHETICAL PROTEIN * 7e-15 weak similarity
CG9723	to C. elegans predicted protein C33G8.2 * CG9723 LD39612 14F5-14F6 ID:98G3
000.20	+ Abl protein_kinase * DMTKABL3_2 Abl * Dsrc41(aa) * TYROSINE-PROTEIN KINASE DASH/ABL(aa) * 2e-16 SPK1_YEAST
	PROTEIN KINASE SPK1 (SERINE-PROTEIN KINASE 1) [SH2DOMAIN // SH3DOMAIN // PRO RICH // P] CG4032 LD39618
CG4032	77A3-73B1 ID:98G4
	+ 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
CC40047	Similarity to Human membrane protein E16 (SW:E16_HUMAN); cDNA [aa_permeases // AMINO_ACID_PERMEASE_2] CG12317
CG12317	LD39658 33B12-33B13 ID:98G7 + EG:95B7.7 transcription_factor * /motif=(desc:; /mo
	/motif=(de * 3e-29 similar to Zinc finger, C2H2 type[zf-C2H2 // ZINC FINGER C2H2 // ZINC FIN] CG2712 LD39664 3B6-3B6
CG2712	ID:98G8
00==	+ PRL-1 protein_phosphatase * PRL-1 * 4e-06 phosphoprotein phosphatase * 1e-100 putative prenylated protein tyrosine
	phosphatase PRL-1 melanogaste * 3e-44 Similar to protein-tyro [PRENYLATION // TYR_PHOSPHATASE_2] CG4993 LD39844
CG4993	35F6-35F6 ID:98H11
CG10944	+ RpS6 ribosomal_protein 40S RIBOSOMAL PROTEIN S6 NLS_BP, RIBOSOMAL_S6E CG10944 ID:98H3
CG4501	+ enzyme CG4501 ID:98H6
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
000000	+ 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 + Dp transcription_factor * DMDPRTF_2 Dp * transcription factor * 6e-59 similar to transcription factor DP-1; cDNA EST comes f
CG4654	* 5e-72 TDP1_MOUSE TRANSCRIPTION FACTOR DP-1 (E2F_CG4654 LD39905 49F13-49F13 dup:2/2 ID:99A2
004004	+ 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
	+ Ama cell_adhesion * DMAMA_5 Ama * Immunoglobulin-C2-type-domain protein * 1e-15 hemicentin precursor * 3e-19 cell
CG2198	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
CCCE 40	+ BcDNA:LD23181 protein_phosphatase * 1e-41 inserted at base Both 5' and 3' ends of P element Inverse PCR * *
CG6542	[TYR_PHOSPHATASE_1] CG6542 LD39930 54C1-54C3 ID:99A6
CG8602	+ transporter * conserved hypothetical protein(aa) * 8e-14 conserved hypothetical protein * 7e-40 inserted at base 5' end of P

	element Inverse PCR * [sugar_tr] CG8602 LD39967 65F2-65F2 ID:99B1
	+ unknown * W06E11.6 gene product(aa) * BRX protein(aa) * W06E11.5 gene product CG5938 LD40095 97F5-97F5
CG5938	dup:2/2 ID:99B11
	+ enzyme * 2e-45 acyl-coenzyme A oxidase * 1e-100 Similarity to Rat Acyl-CoA oxidase I (SW:CAO1_RAT); cDNA EST
CG4586	EMBL: * 1e-116 peroxisomal acyl-CoA oxidase * 1e CG4586 LD40103 6E4-6E4 ID:99B12
	 protein_kinase * 9e-52 SSK2_YEAST SERINE/THREONINE PROTEIN KINASE SSK2 (SUPPRESSOR OF SENSOR
	KINASE 2) * 5e-34 protein kinase (EC 2.7.1.37) 2B - fruit fly (Drosop[PROTEIN_KINASE_ST // PROTEIN_KINASE_DOM] CG7717
CG7717	LD39970 93F9-93F9 dup:3/5 ID:99B2
	+ Rab10 cell_cycle_regulator * Rab1 * 4e-56 SEC4_YEAST RAS-RELATED PROTEIN SEC4 GTP-binding protein SE * 1e-111
004=000	Rab10 * 9e-80 strong similarity to the YPT1 sub-family of RAS pro[SIGMA54_INTERACT_1 // ras // ATP_GTP_A] CG17060
CG17060	LD39986 19C1-19C2 ID:99B3
	+ EG:52C10.2 signal_transduction * 1e-100 by content; 1-meth * 3e-43 YUE1_CAEEL HYPOTHETICAL 19.6 KD PROTEIN
005000	F16H9.1 IN CHROMOSOME X * 2e-31 RGS5_MOUSE REGULATOR OF G-PROTEIN SIGNALIN [GRK // RGS] CG5036 LD40005
CG5036	54F1-54F1 dup:2/3 ID:99B4
	+ chaperone * M-phase phosphoprotein 11(aa) * zuotin related factor 2(aa) * strong similarity to mouse DNAJ-like protein MTJ1 * 6e-41 ZUO1 YEAST ZUOTIN zuotin - [MYB 3 // DnAJ // DNAJ 2 // NLS BP] CG10565 LD40027 78C1-78C1 dup:2/2
CG10565	ID:99B6
CG10303	
CG1726	 unknown CG1726 LD40039 ID:99B7 enzyme * 5e-30 gliotactin precursor - fruit fly (Drosophila melanogaster) * 8e-15 similar to carboxyesterase * 7e-37
CG12869	ESTN_MOUSE LIVER CARBOXYLESTERASE PRECUR [COesterase] CG12869 LD40049 51B4-51B4 ID:99B8
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
003212	+ 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 LD40260
CG6584	86C7-86C7 ID:99C11
00000	+ transcription_factor * 3e-09 TF3A_YEAST TRANSCRIPTION FACTOR IIIA (TFIIIA) transcriptio * 3e-15 CROL ALPHA * 2e-
	06 similar to Zinc finger, C2H2 type (3 domains)[zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG12941 LD40262 47C6-47C6
CG12941	dup:1/2 ID:99C12
	+ * similar to S. cerevisiae nitrogen permease regulator * G21 protein(aa) * homologous to yeast nitrogen permease
CG9104	(candidate tumor suppressor)(aa) * 3e CG9104 15A11-15B1 dup:1/2 ID:99C3
CG9866	+ unknown * CG9866 LD40170 22E-22E ID:99C4
	+ unknown * ilvB (bacterial acetolactate synthase)-like(aa) * BLASTX 4.8E-22 YEL020C Protein with similarity to oxalyl-CoA
CG11208	decarboxylase from Oxalobacter formig [TPP_enzymes // TPP_ENZYMES] CG11208 LD40177 56F14-56F14 ID:99C5
	+ gammaTub23C cytoskeletal_structural_protein * similar to Tubulin (2 domains); cDNA EST CEMSG51F comes from this gene(aa)
	* gamma-tubulin 3(aa) * TUBULIN ALPHA-4 CHAIN(aa) * DMTUBA4_2 agr;Tub67C [TUBULIN // tubulin] CG3157 LD40196 23C2-
CG3157	23C2 ID:99C6

CG8374	+ dmt unknown * [NLS_BP] CG8374 LD40216 85E5-85E5 ID:99C7
	+ electron_transfer * Protein with glutaredoxin activity; Grx3p(aa) * predicted using Genefinder; cDNA EST CEMSA40F comes from this gene; cDNA EST CEMSA40R comes from [AA_TRNA_LIGASE_II_2 // THIOREDOXIN_2] CG6523 LD40224 34B6-34B6
CG6523	dup:1/2 ID:99C9
005505	+ 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 // 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-
	TERMINAL HYDROLASE (UBIQUITIN THIOLESTERASE * 4e-40 UB [UCH_2_1 // UCH_2_2 // MATH // UCH_2_3 /] CG1490
CG1490	LD40280 11A4-11A4 ID:99D2
CG13840	+ CG13840 LD40283 ID:99D4
0044507	+ 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 + receptor * 7e-05 CRM1_YEAST CHROMOSOME REGION MAINTENANCE PROTEIN CRM1 * 1e-120 protein * 6e-28
CG7212	inserted at base Both 5' and 3' ends of P element Inverse PCR * [IBN_NT] CG7212 LD40304 90E-90E5 dup:2/3 ID:99D6
007212	+ 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 KD
007050	(UBIQUITIN-PROTEIN LIGASE) (UBI * 3e-24 UBC6_DROME [UBIQUITIN_CONJUGAT // UQ_con // UBIQUIT] CG7656 LD40324
CG7656	71D4-71E1 dup:3/3 ID:99D8 + unknown * DIMETHYLADENOSINE TRANSFERASE (S-ADENOSYLMETHIONINE-6-N', N'-ADENOSYL(RRNA)
	+ unknown * DIMETHYLADENOSINE TRANSFERASE (S-ADENOSYLMETHIONINE-6-N', N'-ADENOSYL(RRNA) DIMETHYLTRANSFERASE) (16S RRNA DIMETHYLASE) (HIGH LEVEL KASUGAMYCIN RESI [RrnaAD] CG7319 LD40326
CG7319	71C2-71C2 dup:2/2 ID:99D9
	+ BcDNA:GH02220 enzyme * OXA1 homolog - human(aa) * 3e-25 OXA1_YEAST CYTOCHROME OXIDASE BIOGENESIS
	PROTEIN OXA1 PRECURSOR * 2e-29 Similarity to Human OXA1HS protein (cytochr CG6404 LD40470 67F4-67F4 dup:3/3
CG6404	ID:99E10
	+ RfC40 DNA_replication_factor * 3e-99 RFC4_YEAST ACTIVATOR KD SUBUNIT (REPLICATION FACTOR C KD SUBUNIT) * AC14 DROME ACTIVATOR KD SUBUNIT (REPLICATION FACTOR C KD SUBUNIT) (A1 * 1 [ATP GTP A] CG14999 LD40483
CG14999	64A10-64A10 dup:2/2 ID:99E11
0011000	+ fs(1)Ya cell_cycle_regulator * mitosis initiation protein fs(1)Ya - fruit fly (Drosophila melanogaster)(aa) * FSYA_DROME MITOSIS
CG2707	INITIATION PROTEIN FS(1)YA fs(1)Ya prote * DMFS1Y [ZINC_FINGER_C2H2] CG2707 LD40381 3B6-3B6 dup:2/2 ID:99E2
	+ unknown * Loc7p(aa) * 13S condensin XCAP-D2 subunit(aa) * gene product is related to yeast protein * 8e-38 hypothetical
CG1911	protein YLR272c - yeast (Saccharomyce [NLS_BP] CG1911 LD40412 99B-99B dup:2/2 ID:99E3
	+ RpA-70 DNA_replication_factor * DMRPA1_3 RpA-70 * REPLICATION PROTEIN A KD DNA-BINDING SUBUNIT (RP-A) (RF-A) (REPLICATION FACTOR-A PROTEIN 1) (SINGLE-STRANDED DNA-BINDING PROTEIN) CG9633 LD40420 84F-84F dup:4/4
CG9633	ID:99E5

	+ unknown * 2e-49 kraken * 1e-19 dJ222E13.1 (N-terminal part of novel protein with some similarit * 6e-12 TPES_PSEPU TROPINESTERASE (ATROPINESTERASE) (ATROPINE [ESTERASE // EF_HAND // abhydrolase] CG11309 LD40450 78C8-
CG11309	78C9 dup:4/4 ID:99E7
0011000	+ unknown * 5e-70 weak similarity to HSP90 * 1e-05 YXAQ_BACSU HYPOTHETICAL 37.5 KD PROTEIN IN GNTR-HTPG
CG2982	INTERGENIC REGION * CG2982 LD40453 4B5-4B5 dup:2/2 ID:99E8
002002	+ 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
00207 1	+ RNA_binding * DMB52_2 B52 * ASF/SF2 homolog(aa) * nuclear phosphoprotein SRp55 - fruit fly (Drosophila
CG6987	melanogaster)(aa) * dJ862K6.2.1 (splicing factor, (SRP55-1) [RBD // rrm] CG6987 LD40489 89B21-89B21 dup:2/3 ID:99F1
000001	+ for unknown * CGMP-DEPENDENT PROTEIN KINASE, ISOZYME FORMS T1/T3 (CGK) (PROTEIN FORAGING)(aa) * *
CG10033	CG10033 LD40611 25B1-25B1 dup:3/4 ID:99F10
00.000	+ ligand_binding_or_carrier * fast-twitch myosin light chain 1(aa) * DMTNC41C_2 TpnC41C * 1e-35 CC31_YEAST CELL
	DIVISION CONTROL PROTEIN cell division * 5e-32 CALM DROME CALMO[EF HAND // efhand // EF HAND 2] CG17493
CG17493	LD40645 cyto_unknown ID:99F11
	+ DNA_binding * 9e-09 ssrp2 * 4e-09 contains similiarity to HMG boxes * 3e-19 mitochondrial transcription factor A * 6e-27
CG4217	transcription factor 6-like (mitochondria [HMG // HMG_box // NLS_BP] CG4217 LD40493 92E11-92E11 ID:99F2
	+ unknown * No definition line found(aa) * 4e-13 No definition line found * [WW rsp5 WWP // NLS BP // WW DOMAIN 2]
CG11820	CG11820 LD40504 98F6-98F6 dup:1/2 ID:99F5
	+ 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
	+ RNA_binding * 2e-16 SME1_YEAST SMALL NUCLEAR RIBONUCLEOPROTEIN E HOMOLOG SME1 * 1e-27 predicted
CG7102	using Genefinder * 1e-30 small nuclear ribonucleoprotein E * 8e-33 [BTB // Sm] CG7102 LD40565 28D5-28D5 ID:99F7
CG9839	+ unknown * [CYTOCHROME C] CG9839 LD40589 85E9-85E9 ID:99F8
	+ signal transduction * Caf1 * Nie * Taf80 * 5e-13 T2D4 YEAST TRANSCRIPTION INITIATION FACTOR TFIID KD SUBUNIT
CG6724	(TAFII-90) [GPROTEINBRPT // WD40_REGION // WD_REPEA] CG6724 LD40657 32A5-32A5 ID:99G1
	+ unknown * predicted using Genefinder; similar to Acetyltransferase (GNAT) family (2 domains); cDNA EST yk466g5.3 comes
CG1969	from this gene; cDNA EST yk255h7.3 come [Acetyltransf] CG1969 LD40766 99C1-99C1 ID:99G10
	+ 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
	+ RNA_binding * Bub3 * WD-40 repeat protein(aa) * HYPOTHETICAL 41.4 KD TRP-ASP REPEATS CONTAINING PROTEIN
	F10G8.3 IN CHROMOSOME I(aa) * HYPOTHETICAL RAE1-LIKE PROTE [GPROTEINBRPT // WD40_REGION // WD_REPEA]
CG9862	CG9862 LD40776 57F6-57F6 ID:99G12
	+ unknown * HYPOTHETICAL 96.2 KD PROTEIN C08B11.4 IN CHROMOSOME II(aa) * predicted using Genefinder(aa) * 3e-
CG8185	05 /match=(desc: * 7e-38 cDNA EST comes from this CG8185 LD40680 52A9-52A10 dup:1/2 ID:99G3
CG5589	+ RNA_binding * 1e-89 ROK1_YEAST ATP-DEPENDENT RNA HELICASE ROK1 ATP-dependen * 1e-41 VASA_DROME

	VASA PROTEIN vasa mel * 1e-81 similar to ATP dependent RNA helicase [helicase_C // HELICASE // DEAD // NLS_B] CG5589
	LD40692 75A2-75A2 dup:1/3 ID:99G4
	+ transporter * CGI-19 protein(aa) * 5e-07 probable membrane protein YPL244c - yeast (Saccharomyces cerevisiae) * 7e-83
CG7853	No definition line found * 2e-40 putative pr CG7853 LD40702 73E4-73E4 ID:99G5
	+ unknown * hypothetical protein(aa) * 6e-71 inserted at base Both 5' and 3' ends of P element Inverse PCR * [NLS_BP]
CG2162	CG2162 LD40717 63B4-63B5 dup:2/2 ID:99G7
007054	+ enzyme * Yjr084wp(aa) * acyl-protein thioesterase(aa) * 1e-22 probable membrane protein YLR118c - yeast
CG7351	(Saccharomyces cerevisiae) * 3e-67 YPI7_CAEEL HYPOTH [TNF_1] CG7351 LD40777 68C10-68C10 dup:2/3 ID:99H1
CG14216	+ unknown * 7e-41 SS72_YEAST SSU72 PROTEIN hypothetical protein YNL222w - * 7e-57 coded for by C. elegans cDNA
CG 14216	yk10c10.3; coded for by C. elegans cDNA yk37e8.3; CG14216 LD40846 18D12-18D12 ID:99H10 + * BLASTX 2.3E-13 TRA1 Homolog of human TR-AP which associates with a domain of c-Myc essential for cellular
CG2905	transformation(dna) * predicted using Gen [PI3_4_KINASE_3] CG2905 41A1-41A1 ID:99H3
002903	+ DNA_repair_protein * DMDNAPOLD_2 DNApol- dgr; * DNA polymerase zeta subunit; Rev3p(aa) * 1e-152 DPOZ_YEAST
	DNA POLYMERASE ZETA CATALYTIC SUBUNIT DNA-dire * 2e-69 DPOD D[DNAPOLB // DNA POLYMERASE B // DNA pol]
CG1925	CG1925 LD40801 43E16-43E17 ID:99H4
CG1404	+ enzyme CG1404 ID:99H5
	+ motor_protein * * similar to S. pombe phosphoprotein * BLASTX 2.1E-09 P.falciparum merozoite surface antigen (MSA-2)
CG8176	gene, complete cds.(dna) * BLASTX 5.7E-22 Homo [ZINC_PROTEASE] CG8176 LD40806 86C1-85D23 dup:3/3 ID:99H6
	+ sec23 unknown * COPII protein, homolog of s. cerevisiae SEC23p(aa) * SC23_YEAST PROTEIN TRANSPORT PROTEIN
CG1250	SEC23 protein transpo * S23A_MOUSE PROTEIN TRANSPORT PRO CG1250 LD40826 83B6-83B6 dup:3/4 ID:99H8
CG12758	+ unknown * [NLS_BP] CG12758 trimmed 55F8-55F13 dup:2/3 ID:Farhad's BA1
CG6044	+ unknown * CG6044 Igg2(4036) 58D7-58D7 dup:1/2 ID:Farhad's BA10
CG14709	+ transporter CG14709 LD21507 ID:Farhad's BA11
CG10934	+ CG10934 GH26058 dup:2/3 ID:Farhad's BA12
CG8633	+ unknown CG8633 GJB.Hx4 dup:1/2 ID:Farhad's BA5
	+ BcDNA:LD24639 enzyme * F17F8.28(aa) * sperm associated antigen 2(aa) * UDP-N-acetylglucosamine pyrophosphorylase;
	Qri1p(aa) * 3e-88 QRI1_YEAST HYPOTHETICAL 53.5 KD PROTEIN [ATP_GTP_A] CG9535 LD24639 26D5-26D5 dup:2/3
CG9535	ID:Farhad's BB11
CG7873	+ protein_kinase CG7873 Src42 dup:2/3 ID:Farhad's BB12
CG4376	+ Actn alpha-actinin (Flightless A) CG4376 GH06025 ID:Farhad's BB6
CG17682	+ CG17682 LP04696 ID:Farhad's BB8
	+ transcription_factor_binding * Fas-binding protein(aa) * ETS1 associated protein EAP1/Daxx(aa) * 2e-13 Fas-binding protein
CG9537	* 9e-09 Fas-binding protein Daxx [NLS_BP] CG9537 LD30183 26D6-26D7 dup:3/5 ID:Farhad's BB9
CG9432	+ CG9432 G041 dup:1/4 ID:Farhad's BC7
CG2016	+ unknown * 0.0000000007* 4e-10 0.9-kb RNA transcript * CG2016 ck01170 82E7-82E7 dup:2/3 ID:Farhad's BD11
CG4267	+ enzyme * 2e-25 pancreatic lipase related protein * 1e-26 pancreatic lipase-related protein * 1e-31 phospholipase, GPL -

ID:Farhad's BD12 + BcDNA:GH02976 structural protein * 5e-28 Gasp precursor * 9e-11 cDNA EST comes from this gene; cDNA EST vk369a9.5 CG4778 come * 4e-08 peritrophin * 6e-30 Gasp CG4778 ck00178 30F6-30F6 dup:3/3 ID:Farhad's BD2 CG5772 transporter CG5772 ck00325 ID:Farhad's BD8 CG1124 unknown CG1124 ck00336 dup:2/2 ID:Farhad's BD9 CG13800 unknown * [PRO RICH // NLS BP] CG13800 ck01201 62E-62E dup:2/2 ID:Farhad's BE1 unknown * W * HEAD INVOLUTION DEFECTIVE PROTEIN (WRINKLED PROTEIN)(aa) * 1e-148 W * 6E-99 CG5123 +W 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 LIM domain only s [LIM DOMAIN 1 // LIM // LIM DOMAIN 2 //] CG1055 ck02463 82D5-82D6 ID:Farhad's BE12 CG1055 CG15288 CG15288 ck01592 ID:Farhad's BE4 structural_protein * 70kD peroxisomal integral membrane protein(aa) * similar to kD peroxisomal membrane protein (PMP70), an ATP-binding transport protein(aa) * 1e-19 CG12703 ck01606 18F1-18F1 ID:Farhad's BE5 CG12703 unknown * BLASTX 5.8E-08 Mouse proteolipid protein variant DM-20 mRNA, complete cds.(dna) * 2e-21 M6A MOUSE MEMBRANE GLYCOPROTEIN M6-A membrane glycoprote * 3 [Myelin PLP] CG7540 ck01837 78D7-78D8 ID:Farhad's BE8 CG7540 CG9503 enzyme CG9503 ck02694 ID:Farhad's BF1 CG10130 + CG10130 sec61b ID:Farhad's BF2 CG4859 unknown CG4859 dMMP dup:2/2 ID:Path + CtrL1 + kras160 CG3619 cell adhesion CG3619 Delta dup:2/4 ID:Path + CtrL1 + kras195 CG5848 cytoskeletal structural protein CG5848 cactus dup:3/4 ID:Path + CtrL1 + kras198 CG6794 transcription factor CG6794 dif dup:3/3 ID:Path + CtrL1 + kras210 CG12763 CG12763 Diptericin dup:2/3 ID:Path + CtrL1 + kras244 + 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 protein kinase * DMFGFR1 2 htl * connectin/titin(aa) * flt-1(aa) * FTL4(aa) [ig // PROTEIN KINASE TYR // PROTEIN KIN] CG8222 CG8222 VEGFR 78F1 28F4-28F5 dup:9/12 ID:Path + CtrL1 + kras305 CG7939 CG7939 RP49 dup:3/3 ID:Path + CtrL1 + kras60 CG10810 + CG10816 drosocin dup:1/3 ID:Path + CtrL1 + kras62

quinea pig * LIP1 HUMAN PANCREAT[DOLALLERGEN // TAGLIPASE // ESTERASE //] CG4267 ck01198 22D3-22D3 dup:2/2