Table S25

- male germline-list of genes from male germline cluster identified in hierarchical cluster (Fig. S7)
- + 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
- + Cdlc2 motor_protein * 8kd dynein light chain(aa) * Cdlc1 * dynein light chain 5(aa) * 1e-21 DYL1_YEAST DYNEIN LIGHT CHAIN 1, CG5450 CYTOPLASMIC dynein light // DYNEIN LIGHT 1] CG5450 LP02196 22A-22A ID:108A1
- + 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
- + chaperone * DMTIDT4M_4 I(2)tid * 1e-22 MDJ1_YEAST MDJ1 PROTEIN PRECURSOR heat shock protein MDJ1 * 2e-42 Tid56 protein * 2e-42 YLW5_CAEEL HYPOTHETICAL 105.9 K[DnaJ_CXXCXGXG // DNAJ_1 // DnaJ // DNAJ] CG7387 LP05202 66B13-66B13 CG7387 dup:1/2 ID:109C10
- + 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 LP05614 36A7-CG1326336A7 dup:2/2 ID:109E5
- + 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 // SER_THR_] CG3245 CG3245 SD01703 58B1-58B1 ID:113A9
- + enzyme * LONG-CHAIN-FATTY-ACID--COA LIGASE (LONG-CHAIN ACYL-COA SYNTHETASE 2) (LACS 2)(aa) * 1e-83 LCF2_YEAST LONG-CHAIN-FATTY-ACID--COA LIGASE (LONG-CHAIN A [AMP_BINDING // AMPBINDING // AMP-bindin] CG3961 CG3961 SD02971 75E2-75E2 ID:114H10
- CG10192+ translation factor CG10192 SD03848 ID:116C4
- CG9531 + CG9531 SD04586 dup:3/3 ID:117E5
- CG2385 + CG2385 SD05054 dup:1/2 ID:118C5
- CG10589+ unknown * [NLS BP] CG10589 GH01788 78A-78A ID:30F11
- CG12860+ unknown * [NLS BP] CG12860 GH02210 51B11-51B11 ID:31A8
- + enzyme * hypothetical protein(aa) * TUBULIN--TYROSINE LIGASE (TTL)(aa) * Ybr094wp(aa) * 2e-10 ORF2 [NLS_BP] CG11201 CG11201 GH02545 27A1-27A1 ID:31C9
- + translation_factor * Eif4E * 1e-23 IF4E_YEAST EUKARYOTIC TRANSLATION INITIATION FACTOR 4E (EIF-4E) (EIF4E) (MRNA CG8023 CA * 2e-56 IF4E DROME EUKARYOTIC TRANSLATION INITIATION [IF4E] CG8023 GH04024 66C-66C ID:32D6
- + serpin * serine protease inhibitor(aa) * OVALBUMIN (PLAKALBUMIN) (ALLERGEN GAL D 2) (GAL D II)(aa) * LEUKOCYTE CG9456 ELASTASE INHIBITOR (LEI) (LEUCOCYTE NEUTRAL P [serpin] CG9456 GH04125 42C8-42C8 dup:2/2 ID:32E4
- + apoptosis_inhibitor * 2e-81 SINA_DROME DEVELOPMENTAL PROTEIN SEVEN IN ABSENTIA devel * 8e-67 seven-in-absentia CG13030 protein homologue-1 * 2e-73 siah-1A protein mouse siah-1A [ZF RING] CG13030 GH04279 73D1-73D1 ID:32F2
- + unknown * 1e-26 VP28_YEAST VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS28 * 3e-40 putative protein * 3e-CG1277076 inserted at base Both 5' and 3' ends of P elemen CG12770 GH04443 44A4-44A4 ID:32G10
- CG6405 + unknown * CG6405 GH04442 33D5-33D5 ID:32G9

- + motor_protein * 7e-15 cytoplasmic dynein intermediate chain isoform DIC2b * 7e-15 similar to the beta transducin family * 3e-14 CG9313 cytoplasmic dynein intermediate chai [NLS BP // WD40] CG9313 GH05829 57B14-57B14 ID:33H12
- CG5538 + unknown * [NLS BP] CG5538 87C-87C dup:1/3 ID:34G11
- + 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 91F6-91F7 dup:1/2
- CG5555 ID:35A7
- CG8701 + unknown * CG8701 GH07855 44B9-44B9 ID:35G4
 - + motor_protein * very strong similarity to C. elegans myosin heavy chain B * 6e-09 MYS1_YEAST MYOSIN-1 ISOFORM (TYPE II
- CG6059 MYOSIN) myosin heavy * 1e-12 nonmuscle myosin [PEROXIDASE_3] CG6059 GH07888 97E8-97E8 dup:1/2 ID:35G7
 - 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
 - + cmp44E unknown * map_position:44E3-4 * HYPOTHETICAL PROTEIN * HYPOTHETICAL 96.7 KD PROTEIN C32D5.3 IN
- CG8739 CHROMOSOME II(aa) CG8739 GH09667 44E1-44E1 dup:1/3 ID:37C1
- CG3074 + endopeptidase similar to cysteine protease Peptidase C1, THIOL PROTEASE HIS CG3074 GH10620 dup:1/3 ID:38B6
- CG9133 + unknown * CG9133 GH10732 61F4-61F4 dup:1/3 ID:38C6
- CG6456 + unknown * 9e-07 prepro-APGWamide * APGWamide * [NLS BP] CG6456 GH11008 74B-74B dup:2/2 ID:38E7
- CG17567 + unknown * 1E-78* * CG17567 GH11551 37C-37C ID:39A10
- CG12907+ unknown * 1E-145* * [PRO_RICH // NLS_BP] CG12907 GH11521 47A-47A ID:39A8
- + * 1e-29 cDNA EST yk428d5.3 comes from this gene; cDNA EST yk428d5.5 comes * 3e-12 conserved hypothetical secreted CG13865 protein pylori * putative pylori * c CG13865 cyto_unknown dup:3/3 ID:39B1
- CG3825 + unknown * CG3825 GH11727 60A14-60A14 dup:1/3 ID:39C1
- + unknown * HSPC017(aa) * 5e-35 YOY9_CAEEL PUTATIVE UBIQUINONE BIOSYNTHESIS METHLYTRANSFERASE ZK652.9 * CG121624e-17 apaG protein * APAG ECOLI APAG PROTEIN apaG prote CG12162 GH11824 83A8-83A9 ID:39C7
- CG9284 + unknown * CG9284 GH11908 58A2-58A2 ID:39D1
- CG1146 + unknown * CG1146 GH12037 62E6-62E6 ID:39D9
- CG10841 + unknown * CG10841 GH12158 87F6-87F6 dup:2/2 ID:39E9
- + peptidase * PUTATIVE AMINOPEPTIDASE ZK353.6 IN CHROMOSOME III(aa) * Chain A, Bovine Lens Leucine Aminopeptidase CG4750 Complexed With L-Leucine Phosphonic Acid(aa) * [Peptidase M17] CG4750 GH12543 53C-53C ID:39G10
 - + transporter * similar to ADP/ATP translocase(aa) * 2e-17 probable membrane protein YPL134c yeast (Saccharomyces
- CG4995 cerevisiae) * 1e-32 colt * 1e-58 similar to mito [mito_carr // MITOCARRIER // MITOCH_CARR] CG4995 GH13054 31D8-31D8 ID:40C11
- CG6306 + unknown * CG6306 GH12946 17B1-17B1 ID:40C7
- + 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-CG6372 68C1 dup:2/2 ID:40C9
- + RNA_binding * 3e-16 RNA-binding protein cabeza fruit fly (Drosophila melanogaster) (* 4e-14 EWS_MOUSE RNA-BINDING CG14718 PROTEIN EWS RNA-binding protein E * 2e-15 TLS [RBD // zf-RanBP // rrm // ZF RANBP] CG14718 GH13594 86F1-86F1 ID:40G5

- + 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 GH13901 53E6-53E6
- CG9010 ID:41A8
- CG7251 + unknown * [NLS_BP] CG7251 GH13914 27D1-27D1 ID:41A9
- CG7131 + unknown * CG7131 GH14048 90F7-90F7 ID:41B9
 - + 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
- CG8136 + unknown * CG8136 GH14973 85B2-85B2 dup:1/2 ID:42A2
- 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
- CG2149 + unknown * [NLS_BP] CG2149 GH15120 44B9-44B9 dup:1/2 ID:42B2
- CG2127 + unknown * [EF HAND // NLS BP] CG2127 GH15271 44B9-44B9 ID:42C3
 - + unknown * 3e-80 YKL6_CAEEL HYPOTHETICAL 103.8 KD PROTEIN C03C10.6 IN CHROMOSOME III * E03A3.6 * E03A3.7 *
- CG5237 [AA_TRNA_LIGASE_II_2 // PRO_RICH // CYTO] CG5237 GH01039 91F10-91F11 ID:54A4
- + enzyme * similar to pig tubulin-tyrosine ligase.(aa) * 1e-41 similar to tubulin tyrosine ligase; cDNA EST comes fro * 2e-55 protein * CG167168e-16 TTL_BOVIN TUBULIN [NLS_BP] CG16716 GH01307 56D15-56E1 ID:54C7
- 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 Mcd4p
- CG6790 homolog * 1e-18 hypothetical protein * unknown protein CG6790 GH02677 86E15-86E15 ID:55D6
 - + Chi DNA_binding * neural src interacting protein, long form; NSIP long form(aa) * Nuclear LIM interactor(aa) * short form of CHIP(aa)
- CG3924 * CHIP(aa) [NLS_BP] CG3924 GH02919 60B1-60B1 dup:3/4 ID:55E11
- CG4714 + unknown * 6e-05 centromere protein E CENTROMERIC * 6e-05 CENP-E protein * CG4714 GH03085 50A1-50A1 ID:55F11
 - + 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
 - + transcription_factor * LTG19 human(aa) * BLASTX 1.2E-10 Caenorhabditis elegans cosmid ZK354.(dna) * 1e-11 YNK7_YEAST
- CG4913 HYPOTHETICAL 26.0 KD PROTEIN IN CYB5-LEU4 INTERGENIC [NLS_BP] CG4913 GH03493 90E1-90E1 dup:1/2 ID:55H10
- CG9803 + unknown * [PRO_RICH] CG9803 GH03629 59D6-59D6 ID:56B1
- CG3124 + unknown * CG3124 GH03736 59D4-59D4 ID:56B12
- CG9861 + DNA_binding * [NLS_BP] CG9861 GH03827 59D6-59D6 ID:56C11
 - + BcDNA:GH07626 enzyme * p270(aa) * Similar to polyketide synthase.(aa) * FK506 polyketide synthase(aa) * [adh_zinc //
- CG3523 Thioesterase // ACP_DOMAIN] CG3523 GH03816 23D-23D dup:4/9 ID:56C9
- CG6541 + Mst33A unknown * [NLS_BP] CG6541 GH04277 33A3-33A3 ID:56G4

- + 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 GH04745 64A5-64A5 CG12028 ID:57C3
- 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 CALCIUM/CALMODULIN-DEPENDENT PROTEIN KINASE I * 5e-17 Contains si[PROTEIN_KINASE_ST // TYRKINASE // PROTE]
- CG1495 CG1495 GH04968 102B7-102B7 dup:7/7 ID:57E2
- CG15867+ unknown CG15867 GH05072 ID:57F2
- none + none GH05253 ID:57G7
- + cli unknown * DMABSNTI_3 cli * DEVELOPMENTAL PROTEIN EYES ABSENT (PROTEIN CLIFT)(aa) * EYES ABSENT HOMOLOG CG9554 1(aa) * eyes absent homolog 1(aa) [PHOSPHOPANTETHEINE] CG9554 GH05272 26D11-26E1 ID:57G8
- + 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 GH05468 36A9-CG13280 36A10 dup:2/2 ID:57H11
- CG9136 + CG9136 GH05420 ID:57H7
- 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 dup:3/4 CG9808 ID:57H9
- + sm RNA_binding * DMSMOOTH_2 sm * 4e-20 homologous to human hnRNP L * 5e-22 DMSMOOTH_2 sm * [RBD] CG9218 CG9218 GH05823 56D11-56E1 dup:1/2 ID:58C12
- + chaperone * DMHSP60_2 Hsp60 * CHAPERONIN HOMOLOG HSP60 PRECURSOR (HEAT SHOCK PROTEIN 60) (HSP-60)(aa)
 * MITOCHONDRIAL MATRIX PROTEIN P1 PRECURSOR (P60 LYMPHOCYT [CHAPERONINS_CPN60 // TCOMPLEXTCP1 // CH]
 CG2830 CG2830 GH05807 21D1-21D1 ID:58C8
- + enzyme * by content; by match; 2-match_description=4-NITROPHENYLPHOSPHATASE.; 2-match...(aa) * similar to N-acetyl-CG2077 glucosamine catabolism(aa) * Similar to CG2077 GH05933 63B3-63B3 ID:58D8
- + cell_adhesion * sdk * DMNRGAA_3 Nrg * fra * 8e-23 LAR_DROME PROTEIN-TYROSINE PHOSPHATASE DLAR PRECURSOR CG8619 (PROTEIN-TYROSINE-PHOSPHAT [ig // FNTYPEIII // fn3] CG8619 GH06134 65E7-65E7 dup:2/2 ID:58F1
- + transcription_factor * 6e-06 TF3A_YEAST TRANSCRIPTION FACTOR IIIA (TFIIIA) transcriptio * 2e-11 zinc finger motif protein * CG10631 5e-09 similar to Zinc finger, C2H2 typ[zf-C2H2 // ZINC FINGER C2H2 // ZINC FIN] CG10631 GH06278 38A2-38A dup:1/3 ID:58G1
 - + 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 * leucine-rich CG14786 protein human leucine-rich protein sa * BACN32G11.l CG14786 GH06301 2B1-2B1 ID:58G4
- 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
- CG7557 + unknown * [ATP_GTP_A] CG7557 GH07076 68C3-68C3 ID:59C11
- CG6761 + unknown * CG6761 GH07092 67B12-67B12 ID:59D1
 - + 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 + 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 99A5-99A5 CG11955 dup:2/3 ID:59F7
- + 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 GH07691 83B6-CG2907 83B6 ID:59H8
- CG3092 + unknown * CG3092 GH07743 59D-59D dup:1/2 ID:60A5
- CG6332 + unknown * [NLS BP] CG6332 GH07879 93F14-93F14 dup:1/2 ID:60B8
- + 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 GH07971 CG17302 23A3-23A3 dup:1/3 ID:60C10
- CG11018+ unknown * [DNA LIGASE A1] CG11018 GH07940 56E2-56E2 dup:1/2 ID:60C2
- + endopeptidase * 3e-11 TBP6_YEAST PROBABLE 26S PROTEASE SUBUNIT YTA6 (TAT-BINDING HOMOLOG 6) * 3e-08
- CG14183 MEI1_CAEEL MEIOTIC SPINDLE FORMATION PROTEIN MEI-1 mei-1 * 0.000 CG14183 GH08353 76E3-76E4 dup:3/3 ID:60E12
- + enzyme * SUCCINYL-COA SYNTHETASE ALPHA CHAIN (SCS-ALPHA)(aa) * DMSUCCOAA Scs agr; * 9e-77 SUCA_YEAST PROBABLE SUCCINYL-COA LIGASE (GDP-FORMING), ALPHA-CHAIN [SUCCINYL_COA_LIG_2 // ligase-CoA // SUC] CG6255 CG6255 GH08383 92A6-92A6 dup:2/4 ID:60F3
- CG7669 + unknown * [NLS BP] CG7669 GH08407 91A-91A dup:1/2 ID:60F7
- CG11656+ unknown * CG11656 GH08448 87D9-87D9 dup:1/2 ID:60F9
- CG6304 + unknown * [NLS_BP] CG6304 GH09088 36A14-36A14 dup:2/3 ID:61D2
- CG8508 + unknown * CG8508 GH09161 87E2-87E2 dup:1/2 ID:61D9
- + endopeptidase * TRYPSIN DELTA PRECURSOR(aa) * Ser12 * Ser6 * Dvtry-1 trypsin precusor(aa) [trypsin // CHYMOTRYPSIN // CG4653 TRYPSIN HIS] CG4653 GH09333 15A1-15A1 ID:61F1
 - + enzyme * DMCATHPO_2 Cat * CATALASE(aa) * 1e-110 CATA_YEAST CATALASE A catalase (EC 1.11.1.6), peroxisomal * 1e-
- CG9314 158 catalase (EC 1.11.1.6) Caenorhabditis [CATALASE // catalase // CATALASE_1] CG9314 GH09387 29E4-29E4 dup:1/2 ID:61F8
- CG4891 + BG:DS04095.1 unknown * CG4891 GH09478 35F1-35F1 dup:1/2 ID:61G1
- + enzyme * 7e-62 SYWM_YEAST TRYPTOPHANYL-TRNA SYNTHETASE, MITOCHONDRIAL (TRYPTOPHAN--TRNA LIGASE) * 1e-60 SYWM_CAEEL PROBABLE TRYPTOPHANYL-TRNA SYNTHETASE, MIT [TRNASYNTHTRP // tRNA-synt_1b // AA_TRNA] CG7441 CG7441 GH09538 75A4-75A4 dup:1/3 ID:61G8
- CG11074+ unknown * [NLS_BP] CG11074 GH09884 42F2-42F2 ID:62A8
- 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

- + 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
- CG6130 + unknown * CG6130 GH10346 90E4-90E4 ID:62D6
- + 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
- CG2267 + transcription_factor * CG2267 100A2-100A2 dup:2/2 ID:62F6
- + acj6 DNA_binding * DMIPOU_2 acj6 * POU domain transcription factor(aa) * INHIBITORY POU PROTEIN (I-POU) (ABNORMAL CHEMOSENSORY JUMP PROTEIN)(aa) * 1e-152 PP12_YEAST SE [HOMEOBOX_1 // homeobox // HOMEOBOX_2 //] CG9151 GH10637 13C1-13C4 ID:62F9
- + unknown * 1e-36 predicted using Genefinder; Similarity to Human leukocyte surface * 7e-22 CD63_MOUSE CD63 ANTIGEN CG10742 CD63/ME491 antigen homolog mou * 3e-44 tet [transmembrane4 // TMFOUR // TM4_2] CG10742 GH10778 3A9-3A9 dup:1/2 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
- CG17564+ unknown * 7E-86* * CG17564 GH10882 37D3-37D3 ID:62H12
- + enzyme * intermediate chain 1(aa) * nm23-H7(aa) * NUCLEOSIDE DIPHOSPHATE KINASE (NDK) (NDP KINASE)(aa) * 1e-06 CG8362 type nucleoside diphosphate kinase NM23-H6 CG8362 GH10857 85E4-85E4 ID:62H9
- transcription_factor * scrt * Similarity to Drosophila scratch neuronal zinc-finger transcription factor * 9e-05 RIM1 * 7e-73 neuron CG12605 specific zinc finger transcription[zf-C2H2 // ZINC FINGER C2H2 // ATP GTP] CG12605 GH11439 64A1-64A1 ID:63D10
- CG18418+ unknown * CG18418 GH11346 65A10-65A10 ID:63D4
- CG6441 + unknown * CG6441 GH11511 28A1-28A1 dup:2/2 ID:63E3
 - + cytoskeletal_structural_protein * DMTUBA1_2 agr;Tub84B * 1e-117 TBA1_YEAST TUBULIN ALPHA-1 CHAIN tubulin alpha-1
- CG7794 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
- CG1324 + unknown * [ATP GTP A] CG1324 GH11587 19E3-19E3 ID:63F6
- CG16959+ unknown * [EGF_2] CG16959 GH11627 71B2-71B2 dup:2/2 ID:63F7
- + RNA_binding * putative RNA-binding protein(aa) * Wbscr1(aa) * 7e-05 NSR1_YEAST NUCLEAR LOCALIZATION SEQUENCE BINDING PROTEIN (P67) * 2e-13 RNA recognition motif-t [RNP_1 // RBD // rrm // NLS_BP] CG1340 GH11731 100A-100A dup:2/2 CG1340 ID:63G10
- CG14355+ unknown * CG14355 GH11706 88A12-88B1 ID:63G5
- CG11404+ unknown * CG11404 GH11730 79E-79E ID:63G9
- CG7886 + signal transduction * 2e-15 IP63 protein * * CG7886 GH12083 88C10-88C10 ID:64B9
- CG11146+ signal_transduction Shb=Src homology 2 protein ANTIFREEZEI, SH2 CG11146 ID:64F5
- CG3982 + unknown * CG3982 GH12755 67B3-67B3 dup:2/2 ID:64G10
- + RNA_binding * BLASTX 2.0E-34 Arabidopsis thaliana Col-O putative RNA helicase A mRNA, complete cds.(dna) * DMMLE_2 mle CG9323 * 1e-79 hypothetical protein YLR419w yeas [PROTEIN SPLICING // G PROTEIN RECEPTOR] CG9323 GH12763 38E5-38E5

ID:64G12

- + 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
 - + unknown * FLAGELLAR RADIAL SPOKE PROTEIN 4(aa) * radial spokehead(aa) * 9e-13 predicted using Genefinder; similar to
- CG3121 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
- + enzyme * 5e-49 IDH1_YEAST ISOCITRATE DEHYDROGENASE (NAD), MITOCHONDRIAL SUBUNIT PRECURSOR (IS * 6e-57 CG3483 IDHA CAEEL PROBABLE ISOCITRATE DEHYDROGENASE (NAD), MIT [isodh] CG3483 GH13226 60D2-60D2 ID:65C9
- + * ribokinase(aa) * ribokinase RbsK(aa) * DMC115C2 * 1e-71 /match=(desc:; /ma [pfkB // PRO_RICH // RIBOKINASE] CG17010 CG1701033D3-33D3 dup:2/2 ID:65D12
- + enzyme * 1-PYRROLINE-5-CARBOXYLATE DEHYDROGENASE (P5C DEHYDROGENASE)(aa) * UNKNOWN(aa) * Similar to CG6670 aldehyde dehydrogenase; coded for by C. elegans cDNA cm1 [aldedh // NLS BP] CG6670 GH13449 93F-93F10 dup;2/2 ID:65D9
- + cytoskeletal_structural_protein * 2e-47 dystrophin * 1e-117 unnamed protein product * 1e-143 dystrobrevin dystrobrevin * 1e-143
- CG8529 dystrobrevin B [ZF_ZZ // ZZ // CYTOCHROME_C] CG8529 GH13689 49A6-49A7 dup:2/2 ID:65E12
- 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 * 6e-36 CG14995 chromosome open reading frame 28.3 KD PROTEIN C21OR * 8e- [LRR] CG14995 GH13848 64A7-64A8 dup:3/3 ID:65F12
 - + signal_transduction * cDNA EST comes from this gene; cDNA EST comes from this gene; cDNA EST comes from this gene;
- CG8683 cDNA EST comes from this gene; cDNA EST comes from thi CG8683 GH13975 28E5-28E6 dup:2/3 ID:65G12
- CG3372 + unknown * CG3372 GH14065 60C1-60C1 ID:65H8
 - + DNA_binding * component of CCR4 transcriptional complex; Caf17p(aa) * putative protein(aa) * Similarity to S.pombe
- CG8043 hypothetical protein C21E11.07 (SW:YAL7_SCHPO CG8043 GH14121 85B-85B ID:66A7
- + translation_factor * HYPOTHETICAL 64.2 KD PROTEIN R08D7.3 IN CHROMOSOME III(aa) * UNKNOWN(aa) * eIF3 p66(aa) * CG4810 9e-98 putative elongation initation factor subunit CG4810 GH14470 87B5-87B5 ID:66D7
- + enzyme_activator * 2e-40 inserted at base Both 5' and 3' ends of P element Inverse PCR * * [EF_HAND_2] CG3565 GH14476 CG3565 60D8-60D8 ID:66D8
- + endopeptidase * phosphate regulator(aa) * endothelin converting enzyme, ECE=putative zinc-binding metalloprotease aortic CG6265 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
- CG1394 + unknown * CG1394 GH14622 10A11-10A11 ID:66F4
- CG12699+ unknown * CG12699 GH14656 54B7-54B7 ID:66F9
 - + enzyme * Ac76E * type VIII adenylyl cyclase human(aa) * Ac35C * ADENYLATE CYCLASE, TYPE VIII (ATP
- CG5983 PYROPHOSPHATE-LYASE) (CA(2+)/CALMODULIN ACTIVATED ADENYLY [guanylate_cyc // GUANYLATE_CYCLASES_2] CG5983

GH14744 36A2-36A2 ID:66G6

- CG9137 + unknown * CG9137 GH14903 61F4-61F4 ID:66H10
- CG18314+ unknown * CG18314 GH14918 64B9-64B9 dup:1/3 ID:66H11
- + And ligand_binding_or_carrier * similar to calmodulin-like protein.(aa) * Homo sapiens(aa) * CALMODULIN(aa) * Eip63F-1 [efhand // CG17769 EF HAND 2] CG17769 GH15245 99D1-99D1 ID:67D2
- CG1999 + unknown * CG1999 GH15272 7A4-7A4 ID:67D3
- + EG:66A1.3 unknown * by match; LD Drosophila melanogaster embryo BlueScript Drosophila melanogaster cDNA clone 5prime.; 1-
- CG12184 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 (Strongylocentrotus CG3085 purpuratus) [TEKTIN] CG3085 GH15825 59C3-59C3 dup:2/4 ID:68A12
- CG7742 + unknown * [TBC // RAB GAP] CG7742 GH15768 25C9-25C9 ID:68A4
- + enzyme * Chain A, Crystal Structure Of Recombinant Human Brain Hexokinase Type I Complexed With Glucose And Glucose-6-
- CG5443 Phosphate(aa) * hexokinase-like protei [HEXOKINASES // hexokinase // HEXOKINASE] CG5443 GH15883 100A5-97B2 ID:68B3
- CG14891 + unknown * CG14891 GH16156 92A1-92A1 ID:68C12
- CG17349+ unknown * E04F6.2 gene product(aa) * 1E-130* CG17349 GH16267 37D6-37D7 ID:68D11
- + BG:DS02252.2 cytoskeletal_structural_protein * 2e-48 tektin * 2e-34 testicular tektin B1-like protein * 3e-59 tektin A1 sea urchin
- CG4767 (Strongylocentrotus purpuratus) * tektin C1 [TEKTIN] CG4767 GH16413 35E-35E ID:68F2
- none + none GH16763 ID:68H11
- CG8278 + enzyme * 1e-05 cyclophilin Dicyp-2 * * [PRENYLATION] CG8278 GH17930 44F2-44F2 ID:70A2
- CG4983 + DNA_repair_protein * CG4983 GH17939 33A5-33A5 ID:70A4
- CG3492 + chaperone * [CSA_PPIASE_2 // PRENYLATION] CG3492 GH18016 60D2-60D2 ID:70B2
- CG6614 + unknown * [TPR_REGION // NLS_BP // ATP_GTP_A] CG6614 GH18077 33A5-33A5 ID:70C2
- CG18568+ unknown * CG18568 GH18325 50C21-50C21 dup:2/2 ID:70E3
 - + serpin * 2e-30 Similar to serine protease inhibitor * 1e-33 serine proteinase inhibitor * 5e-42 SCC2_HUMAN SQUAMOUS CELL
- CG7722 CARCINOMA ANTIGEN (SCCA-2) (LEUPIN) [serpin // SERPIN] CG7722 GH18514 47C7-47C7 dup:2/4 ID:70F12
- CG8838 + unknown * [NLS_BP // ATP_GTP_A] CG8838 GH18521 25A1-25A1 ID:70G2
- CG15891+ unknown * CG15891 GH18658 5E1-5E1 ID:70H6
- + unknown * T03G11.3 gene product(aa) * CGI-62 protein(aa) * 1e-16 T03G11.3 gene product * CG10999 GH18838 83C3-83C3 CG10999 dup:1/2 ID:71A3
- CG16783+ signal_transduction fizzy-related protein FIZZY_DOMAIN, WD40 CG16783 ID:71B5
- CG1979 + BG:DS00464.1 transmembrane_receptor * unknown(aa) * * CG1979 GH19145 84C1-84C1 dup:1/2 ID:71C10
- + BcDNA:GH02439 unknown * 1e-59 cDNA EST comes from this gene; cDNA EST co * 7e-33 cytoplasmic protein Ndr1 * 5e-32 RTP CG2082 nickel-specific inductio * 2e-25 development-related p CG2082 GH19206 83C-83C dup:2/2 ID:71D3
- + transporter * mitochondrial carrier protein-like; similar to * 4e-13 probable membrane protein YPR011c yeast (Saccharomyces CG2616 cerevisiae) * 6e-11 colt * 3e-61 YQ [mito_carr // MITOCH_CARRIER] CG2616 GH19222 84D10-84D10 ID:71D5

- CG9130 + unknown * CG9130 GH19274 61F4-61F4 dup:2/3 ID:71D9
- CG2854 + unknown * CG2854 GH19593 2F4-2F4 ID:71G3
 - + 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
- + 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
- + Eaat2 neurotransmitter_transporter * EXCITATORY AMINO ACID TRANSPORTER (SEAAT1)(aa) * glutamate transporter 2B(aa) * CeGlt-2(aa) * predicted using Genefinder; Similari[SDF // EDTRNSPORT // NA_DICARBOXYL_SYMP] CG3159 GH19729 21D1-21D1 CG3159 dup:2/4 ID:71H5
- CG18396 + Mst98Cb unknown * CG18396 GH20038 98C2-98C2 ID:72C1
- CG9483 + unknown * CG9483 GH20208 29F3-29F3 ID:72D7
- + alpha-Est6 enzyme * agr;-Est6 * enzyme carboxyesterase) map_position:84D4 * alpha esterase(aa) * agr;-Est7 [ESTERASE // CG1108 COesterase] CG1108 GH20431 84D5-84D5 ID:72F11
- + 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 87B5-87B5 CG3809 ID:72F8
- CG3557 + unknown * CG3557 GH20409 23E4-23E4 ID:72F9
- + 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 88A10-CG9920 88A10 ID:72G3
- + transporter * 3e-19 nervous system antigen nerv * 5e-06 Similarity to Shrimp sodium/potassium-transporting ATPase beta cha * CG117037e-10 ATNB MOUSE SODIUM/POTASSIUM-TRA CG11703 GH20514 91F10-91F10 ID:72G7
- CG14021 + unknown * CG14021 GH20612 25D5-25D6 dup:2/2 ID:72H2
- + enzyme * UNKNOWN(aa) * 7e-63 PUT2_YEAST DELTA-1-PYRROLINE-5-CARBOXYLATE DEHYDROGENASE PRECURSOR CG6661 (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
- + 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 GH21048 18D8-18D8 CG14208 ID:73D5
- CG10752+ unknown * CG10752 GH21086 69E8-69E8 ID:73D8
- + enzyme * similar to tubulin tyrosine ligase; cDNA EST comes from this gene; cDNA EST comes
- + structural_protein * 6e-22 NSP1_YEAST NUCLEOPORIN NSP1 (NUCLEAR PORE PROTEIN NSP1) (NUCLEOSKELETAL-LIKE CG8086 PRO * 5e-08 C. elegans DNA-directed RNA polymerase II large subun CG8086 GH21437 29A1-29A1 dup:3/4 ID:73F12
- CG7045 + 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 GH21448 94B4-94B4 ID:73G1
- CG6652 + motor_protein * 6e-13 unknown * * [NLS_BP] CG6652 GH21622 73E4-73E4 dup:2/2 ID:73H9
 - + corto nucleic_acid_binding * corto * CENTROSOMAL AND CHROMOSOMAL FACTOR (CCF) (CHROMOCENTROSOMIN)(aa) * CP-
- CG2530 1(aa) * inserted at base Both 5' and 3' ends of P element Inverse PCR CG2530 GH21787 82F5-82F5 ID:74B1
 - + 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
- + unknown * /match=(desc:; /match=(desc:(aa) * 4e-77 /match=(desc:; /ma * 7e-06 No definition line found * No definition line found CG7135 CG7135 GH21891 16F7-16F7 dup:1/2 ID:74C3
- + 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 GH22838 CG8772 49B8-49B8 dup:2/2 ID:75D1
- CG3330 + unknown * CG3330 GH22851 97F8-97F8 ID:75D7
- + enzyme * PHOSPHOMANNOMUTASE (PMM)(aa) * 2e-91 YM8L_YEAST HYPOTHETICAL 71.1 KD PROTEIN IN DSK2-CAT8
- CG10202 INTERGENIC REGION * 1e-114 similar to Phosphoglucomutase a [PGM_PMM // PGMPMM] CG10202 GH22984 51C5-51C5 ID:75F1
- + unknown * hypothetical protein gs1.1.27.1(aa) * 6e-26 hypothetical protein YPL020c yeast (Saccharomyces cerevisiae) (* 1e-29 CG11023YRW3 CAEEL HYPOTHETICAL 75.7 K CG11023 GH23213 21A3-21A3 dup:1/2 ID:75H9
 - + cytoskeletal_structural_protein * p60 katanin(aa) * katanin p60 subunit(aa) * 4e-42 CC48_YEAST CELL DIVISION CONTROL
- CG1193 PROTEIN cell divisi * 3e-43 transitional endoplasmic reticulum A [AAA // NLS_BP // ATP_GTP_A] CG1193 GH23455 83C-83C ID:76C7 + rha motor_protein * RADHA protein(aa) * 1e-10 similar to C. elegans UNC-89 and titins * 3e-07 ORF 73, contains large complex CG11908 repeat CR sarcoma-associated herpesy * YL CG11908 GH23783 96D-96D ID:76G7
- + enzyme * CYSTEINYL-TRNA SYNTHETASE (CYSTEINE--TRNA LIGASE) (CYSRS)(aa) * 5e-52 YNY7_YEAST PUTATIVE CYSTEINYL-TRNA SYNTHETASE C29E6.06C (CYSTEINE--TRNA LIGASE [TRNASYNTHCYS // tRNA-synt_1e] CG8257 GH24360 CG8257 50E2-50E2 dup:3/3 ID:77E7
- CG10750+ unknown * CG10750 GH24871 37D3-37D3 dup:1/3 ID:78A7
- CG17450+ unknown * CG17450 GH25094 cyto unknown ID:78C5
- + ftz-f1 steroid hormone receptor steroid receptor beta FTZ-F1 [Drosophila melanogaster] NUCLEAR_RECEPTOR, STRDHORMONER, CG4059 STROIDFI] CG4059 GH25189 dup:3/3 ID:78D6
- + Cyp4d21 cytochrome_P450 * DMC152A3 * Cyp4e2 * DMCYP4D2_12 Cyp4d2 * 1e-112 cytochrome P450 cytochrome P4 CG6730 CG6730 GH25251 28A6-28B1 dup:2/2 ID:78E3
- CG6470 + transcription_factor * [zf-C2H2 // ZINC_FINGER_C2H2 // ZINC_FIN] CG6470 GH25257 17B5-17B5 dup:2/2 ID:78E4
- + Ork1 ion_channel * potassium channel, subfamily K, member (TASK-2); TASK-2(aa) * two P domain potassium channel ORK1(aa) * CG1615 Ork1 * BLASTX 8.1E-08 Mus musculus TREK-1 K [CHANNEL_PORE_K] CG1615 GH25390 9F8-9F10 ID:78F2
- CG1835 + unknown * [NLS_BP] CG1835 GH25431 19E2-19E2 ID:78F5
- none + none GH25455 ID:78F8
- CG1540 + cell_adhesion * similar to the BPTI/Kunitz family of inhibitors; most similar to tissue factor pathway inhibitor precursor (TFPI)(aa) *

- similar to Kunitz/Bovine [ig // EGF_1 // BPTI_KUNITZ // Kunitz_BP] CG1540 GH25513 98D2-98D2 dup:1/3 ID:78G5
- + * 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
- + 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
- + enzyme * 1e-19 probable membrane protein YLR070c yeast (Saccharomyces cerevisiae) * 8e-40 sorbitol dehydrogenase * 5e-39 CG4836 similar to sorbitol dehydrogenase; [adh_zinc // NLS_BP] CG4836 GH25858 92C-92C dup:1/4 ID:79C3
- 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 58C1-CG1147558C1 dup:2/2 ID:79E5
- + transcription_factor * segmentation protein hairy fruit fly (Drosophila melanogaster)(aa) * DMHAIRG_5 h * 3e-07 lin-22 * 2e-18 CG10446HES1 MOUSE TRANSCRIPTION FACTOR HES-1 (HAI [HLH // HELIX LOOP HELIX 2] CG10446 37B10-37B10 dup:2/2 ID:79F1
- + transporter * aquaporin 2(aa) * 1e-07 YFF4_YEAST HYPOTHETICAL 70.5 KD PROTEIN IN AGP3-DAK3 INTERGENIC REGION CG5398 * 8e-05 BIB_DROME NEUROGENIC PROTEIN BIG BRAIN bib pr [MINTRINSICP // MIP] CG5398 GH26134 59F1-59F1 ID:79F5
- CG12136+ unknown * [AA_TRNA_LIGASE_I // NLS_BP] CG12136 GH26280 8D10-8D10 ID:79G11
- + actin_binding * 1e-05 contains similarity to the kelch/MIPP family * 1e-06 Keap1 * 1e-07 The gene product is related to Drosophila CG12423 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 IN CG10365 RAD4-CHD1 INTERGENIC REGION * 3e-22 cont CG10365 GH26317 95B5-95B5 ID:79H4
- + motor_protein * BACR37P7.j(aa) * MICRONUCLEAR LINKER HISTONE POLYPROTEIN (MIC LH) LINKER HISTONE
- CG9392 PROTEINS ALPHA, BETA, DELTA AND * * CG9392 GH26462 76C1-76C1 ID:80B3
- CG5755 + transporter * TB1(aa) * * [mito_carr] CG5755 GH26696 36E-36E ID:80D7
- CG4669 + unknown * [PRO_RICH] CG4669 GH26702 64D1-64D1 ID:80D8
- CG5758 + unknown * CG5758 GH26746 36E-36E dup:2/2 ID:80E5
- + ion_channel * Vdac * DMMITPORN_2 porin * 1e-09 POR2_YEAST OUTER MITOCHONDRIAL MEMBRANE PROTEIN PORIN (VOLTAGE-DEPENDENT ANION * 3e-66 voltage dependent anion-sele [Euk_porin // EUKARYTPORIN] CG17137 GH26967 32B3-32B3 CG17137 ID:80G10
- + 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
- 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
- CG15360+ unknown * CG15360 GH27779 22B3-22B3 ID:81H1

- CG5048 + unknown * CG5048 GH27783 70F1-70F1 ID:81H2
- + RNA_binding * protein(aa) * 2e-49 ovarian protein fruit fly (Drosophila melanogaster) s * 8e-75 YLF1_CAEEL HYPOTHETICAL 42.4 KD PROTEIN C40H1.1 IN CHROMOSOME II [RNP_1 // RBD // PFKB_KINASES_1 // rrm] CG5735 GH28038 66E4-66E4 dup:2/3 CG5735 ID:82B7
- + 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
- + RNA_binding * hypothetical protein(aa) * heterogeneous nuclear ribonucleoprotein R(aa) * 1e-08 RN15_YEAST MRNA 3'-END CG17838 PROCESSING PROTEIN RNA15 RNA15 pro * 6e-16 p [RBD // rrm // NLS_BP] CG17838 GH28335 92F10-92F10 dup:2/5 ID:82C6
- + enzyme * phosphoglyceromutase fruit fly (Drosophila melanogaster)(aa) * DMPGLY_4 Pglym78 * 3e-72 PMG1_YEAST
- CG17645 PHOSPHOGLYCERATE MUTASE (PHOSPHOGLYCEROMUTASE 1 [PGAM // PG_MUTASE] CG17645 GH28416 87B7-87B7 ID:82D6
- + 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
- + peptidase * leucyl aminopeptidase like protein (partial)(aa) * 1e-103 leucine aminopeptidase * 1e-105 AMPL_BOVIN CYTOSOL AMINOPEPTIDASE (LEUCINE AMINOPEPTIDAS [LAMNOPPTDASE // CRYSTALLIN_BETAGAMMA //] CG8040 GH28719 67D12-CG8040 67D13 dup:3/3 ID:82F9
- CG17884+ Snap25 synaptosome-associated protein Synapse protein 25 CG17884 GH28821 ID:82G10
- CG8006 + unknown * CG8006 GH28769 67E7-67E7 ID:82G2
- + enzyme * 7e-52 DEOC_CAEEL PUTATIVE DEOXYRIBOSE-PHOSPHATE ALDOLASE (PHOSPHODEOXYRIBOALDOLASE) (*
- CG8525 9e-69 CGI-26 protein * 1e-26 2-deoxyribose 5-phosphate aldol CG8525 LD25963 49A4-49A5 ID:85B10
- CG2061 + BcDNA:LD28247 G protein-coupled receptor 69A CRYSTALLIN_BETAGAMMA CG2061 LD28247 dup:2/3 ID:87D2
- CG16972+ motor_protein * [NLS_BP] CG16972 LD28380 34A9-34A9 dup:4/4 ID:87E5
- + 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
- + unknown * hypothetical protein(aa) * Hrt2p(aa) * F31D4.2(aa) * hypothetical protein(aa) CG2921 LD38241 58C1-58C1 dup:2/2 CG2921 ID:97E5
- CG10934+ CG10934 GH26058 dup:2/3 ID:Farhad's BA12