

NIH and NHGRI-funded model organism databases (MODs), representing mouse, yeast, worm, fly, rat, and zebrafish, and the Gene Ontology (GO) Consortium.



The Alliance website (alliancegenome.org) provides a synergistic integration of expertly-curated information on model organisms and the functioning of cellular systems. An easy-to-use interface enables unified access to comparative genomics and genetics data, facilitating cross-organism comparison and a better understanding of human biology and disease.



Check out the Alliance of Genome Resources website (alliancegenome.org) and get connected:

- Pan-MOD genes and genomic features
- Integrative ortholog tables
- Disease associations
- Mutant phenotypes
- Gene function
- Expression data
- Alleles
- JBrowse sequence feature viewing
- and more!

alliancegenome.org



Questions, suggestions? alliance-helpdesk@lists.stanford.edu



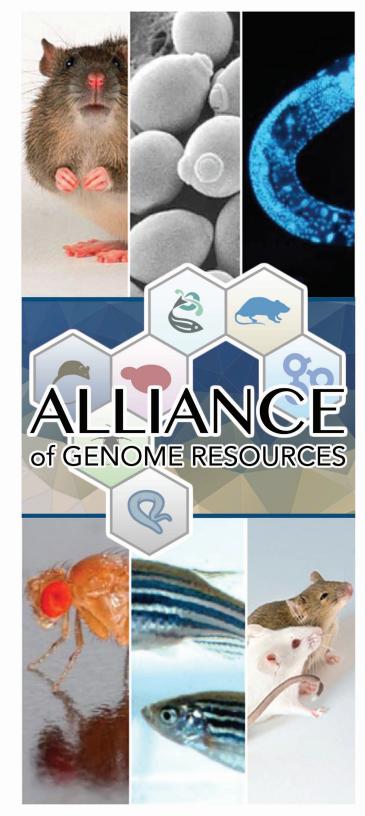
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Alliance of Genome Resources • alliancegenome.org • alliance-helpdesk@lists.stanford.edu **Questions? Contact Us** All ▼ Q CO of GENOME RESOURCES △ Gene co (Mmu) Work Products ▼ **News & Events** Home Data 🔻 About * Contact Us Search for genes, co (Mmu) # Allele alleles, diseases, and bsk common cold ★ Disease Phenotypes Gene Ontology terms & Gene Ontology condensin complex Gene info & Species Drosophila melanogaster Phenotype Term COMA complex **Solution** Gene Ontology bsk bsk^{flp147E} Symbol description **CORVET** complex **%** Gene Ontology basket bskLL02244 Name Basket hsk2 [7 PMID-14602080F chemical sensitive basket allele PMID:103238677 embryo hsk1 [7 ▼ More Alliance data from: PMID:8946916 2 Mutant Biotype protein coding gene bskflp147E PMID:195637620 Automated Description Exhibits JUN kinase activity; involved in several processes, including eggshell chorion assembly, phenotypes embryonic dorsal epidermis morphogenesis of an epithelium, and nervous system development; localizes to the axon and dendrite: PMID:9224721@ used to study Parkinson's disease; orthologous to several human genes including MAPK10 (mitogen Saccharomyces activated protein kinase 10) Showing 1 - 10 of 43 rows 10 - per page 1 2 3 4 5 > **FB** Description Basket (Bsk) is a serine/threonine-protein kinase, a key component of JNK pathway that phosphorylates Genome Database the Jra transcription factor. Bsk roles include regulation of cell shape and stress response. Disease Associations Empirical & orthology-based yeastgenome.org disease associations Sequence Feature Viewer Sequence Disease = Genetic Entity Rat Genome Chr2L:10247501...10250501 (3.00 kb) Genome location information Database Parkinson's disease is implicated in PMID:23959949 2 Parkinson's disease PMID:23959949 C rgd.mcw.edu allele PMID-23959949 Parkinson's disease is implicated in Mouse Genome Expression Informatics informatics.jax.org Function - GO Annotations **Primary Sources** FBC Gene Ontology **Expression data** GEO C Other Sources annotations **FlyBase** flybase.org 6 classes: molecular function 11 classes: cellular component 46 classes: biological process Alleles Alleles & associated diseases WormBase Orthology Human and model wormbase.org Associated Human Disease Synonyms organism orthologs Stringency: Stringent Moderate No filter basket[IIJ] Reset filters Zebrafish bsk [2] Information Network zfin.org Molecular interactions Molecular Interactions Interactor MAPK10 10 of 10 experimenta **Gene Ontology** Consortium **МАРК8** Homo saniens 9 of 10 FBrf0218361-1.d geneontology.org experimental knowledge FBrf0218395-41 unspecified Drosophila unspecified Homo sapiens МАРК9 7 of 10 physical melanogastei