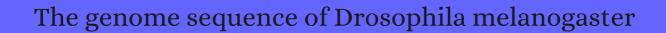
# CITATION REPORT List of articles citing



DOI: 10.1126/science.287.5461.2185 Science, 2000, 287, 2185-95.

Source: https://exaly.com/paper-pdf/31574577/citation-report.pdf

Version: 2024-04-24

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper IF	Citations
2181	Epilogue of an Unfinished Story. 271-277	
2180	Gene targeting in Drosophila. 2004, 260, 97-114	4
2179	Quantitative chromatographic estimation of alpha-amino-acids. <b>1948</b> , 161, 763	48
2178	The Cryptococcus neoformans genome sequencing project. <b>1999</b> , 148, 1-7	36
2177	Drosophilagenome sequence. <b>2000</b> , 1, 1	
2176	Notizen. <b>2000</b> , 48, 746-755	
2175	Yeast mitochondrial dynamics: fusion, division, segregation, and shape. <b>2000</b> , 51, 573-83	117
2174	Featured organism: Drosophila melanogaster. <b>2000</b> , 17, 146-53	1
2173	Meeting review: the Drosophila genome: so that's what it looks like!. <b>2000</b> , 17, 154-7	
2172	Proteome profiling-pitfalls and progress. <b>2000</b> , 17, 81-7	58
2171	Yeast two-hybrid systems and protein interaction mapping projects for yeast and worm. <b>2000</b> , 17, 88-94	101
2170	The gene guessing game. <b>2000</b> , 17, 218-24	8
2169	Current awareness on comparative and functional genomics. <b>2000</b> , 17, 255-62	
2168	Accurate prediction of protein functional class from sequence in the Mycobacterium tuberculosis and Escherichia coli genomes using data mining. <b>2000</b> , 17, 283-93	34
2167	MetaHox gene clusters. <b>2000</b> , 288, 345-51	55
2166	Distal-less function during Drosophila appendage and sense organ development. <b>2000</b> , 218, 554-62	60
2165	Expression and activity of a house-fly cytochrome P450, CYP6D1, in Drosophila melanogaster. <b>2000</b> , 9, 441-9	11

2164	Cloning and transcriptional expression of a leucokinin-like peptide receptor from the southern cattle tick, Boophilus microplus (Acari: Ixodidae). <b>2000</b> , 9, 457-65	49
2163	Molecular studies in insect olfaction. <b>2000</b> , 9, 545-51	90
2162	The tetraspanin superfamily in insects. <b>2000</b> , 9, 581-90	63
2161	Structure and location of a ferritin gene of the yellow fever mosquito Aedes aegypti. <b>2000</b> , 267, 3885-90	19
2160	The determination of histamine in the Drosophila head. <b>2000</b> , 101, 141-8	30
2159	Fly meets shotgun: shotgun wins. <b>2000</b> , 24, 327-8	5
2158	Oct-4, scene 1: the drama of mouse development. <b>2000</b> , 24, 328-30	21
2157	Deus ex genomix. <b>2000</b> , 3, 424-5	12
2156	Gene ontology: tool for the unification of biology. The Gene Ontology Consortium. 2000, 25, 25-9	25593
2155	Shotgun sample sequence comparisons between mouse and human genomes. <b>2000</b> , 25, 31-3	19
2154	Analysis of expressed sequence tags indicates 35,000 human genes. <b>2000</b> , 25, 232-4	297
2153	Convergent projections of Drosophila olfactory neurons to specific glomeruli in the antennal lobe. <b>2000</b> , 3, 780-5	309
2152	Choose your target. <b>2000</b> , 26, 159-61	16
2151	Genetic regulation of programmed cell death in Drosophila. <b>2000</b> , 10, 193-204	24
2150	Sequence and functional properties of Ets genes in the model organism Drosophila. 2000, 19, 6409-16	57
2149	A view of mount Drosophila. <b>2000</b> , 404, 442-3	5
2148	Peeking into the obscured universe. <b>2000</b> , 404, 443, 445-6	1
2147	Bats about the Arctic. <b>2000</b> , 404, 446-7	4

2146	Drosophila genome takes flight. <b>2000</b> , 2, E53-4	5
2145	Exploring genome space. <b>2000</b> , 405, 820-2	91
2144	Genetics. Reverse gear for Drosophila. <b>2000</b> , 405, 896-7	
2143	Molecular melodies in high and low C. <b>2000</b> , 1, 145-9	74
2142	Functional genomic analysis of C. elegans chromosome I by systematic RNA interference. <b>2000</b> , 408, 325-30	1402
2141	Evolutionary genetics: fruitfly centre spreads its wings. <b>2000</b> , 408, 400-1	6
2140	DNA methylation in Drosophila melanogaster. <b>2000</b> , 408, 538-40	377
2139	Sequence and analysis of chromosome 1 of the plant Arabidopsis thaliana. <b>2000</b> , 408, 816-20	183
2138	Analysis of the genome sequence of the flowering plant Arabidopsis thaliana. <b>2000</b> , 408, 796-815	7262
2137	Genomics. Beyond the book of life. <b>2000</b> , 408, 894-6	6
	Genomics. Beyond the book of life. <b>2000</b> , 408, 894-6  Whole genomes: the foundation of new biology and medicine. <b>2000</b> , 11, 581-5	36
2136		
2136	Whole genomes: the foundation of new biology and medicine. <b>2000</b> , 11, 581-5	
2136	Whole genomes: the foundation of new biology and medicine. <b>2000</b> , 11, 581-5  The fruits of the fly genome project. <b>2000</b> , 6, 216	36
2136 2135 2134	Whole genomes: the foundation of new biology and medicine. 2000, 11, 581-5  The fruits of the fly genome project. 2000, 6, 216  Quo vadis, biotech? (Part 1). 2000, 5, 547-553	36 15
2136 2135 2134 2133	Whole genomes: the foundation of new biology and medicine. 2000, 11, 581-5  The fruits of the fly genome project. 2000, 6, 216  Quo vadis, biotech? (Part 1). 2000, 5, 547-553  A genomic perspective on plant transcription factors. 2000, 3, 423-34	36 15 326
2136 2135 2134 2133 2132	Whole genomes: the foundation of new biology and medicine. 2000, 11, 581-5  The fruits of the fly genome project. 2000, 6, 216  Quo vadis, biotech? (Part 1). 2000, 5, 547-553  A genomic perspective on plant transcription factors. 2000, 3, 423-34  Sorting and transport in C. elegans: aA model system with a sequenced genome. 2000, 12, 517-23	36 15 326 27

2128 Annotating eukaryote genomes. <b>2000</b> , 10, 349-54	80
2127 What determines the rate of sequence evolution?. <b>2000</b> , 10, R410-R0411	10
2126 Genomic sequencing: the complexity conundrum. <b>2000</b> , 10, R514-5	3
2125 Muscle development: molecules of myoblast fusion. <b>2000</b> , 10, R646-8	38
2124 Separation anxiety at the centromere. <b>2000</b> , 10, 392-9	33
2123 Looking forward, looking backward. <b>2000</b> , 25, 487-488	
Entering through the doors of perception: characterization of a highly selective Substance P receptor-targeted toxin. <b>2000</b> , 34, 323-8	6
Inflated wings, tissue autolysis and early death in tissue inhibitor of metalloproteinases mutants of Drosophila. <b>2000</b> , 79, 495-501	41
2120 Structural genomics: an overview. <b>2000</b> , 73, 289-95	35
2119 Genes that fight infection: what the Drosophila genome says about animal immunity. <b>2000</b> , 16, 442-9	132
2118 Genomics - the new rock and roll?. <b>2000</b> , 16, 456-61	0
	8
2117 Towards an understanding of the genetics of human male infertility: lessons from flies. <b>2000</b> , 16, 565-72	70
Towards an understanding of the genetics of human male infertility: lessons from flies. <b>2000</b> , 16, 565-72  What's that buzz? Mosquitoes and fruit flies commingle. <b>2000</b> , 16, 503-4	
	70
2116 What's that buzz? Mosquitoes and fruit flies commingle. <b>2000</b> , 16, 503-4	7° 5
What's that buzz? Mosquitoes and fruit flies commingle. <b>2000</b> , 16, 503-4  Type 2A protein phosphatase, the complex regulator of numerous signaling pathways. <b>2000</b> , 60, 1225-35	70 5 165
What's that buzz? Mosquitoes and fruit flies commingle. <b>2000</b> , 16, 503-4  Type 2A protein phosphatase, the complex regulator of numerous signaling pathways. <b>2000</b> , 60, 1225-35  Dnop56, a Drosophila gene homologous to the yeast nucleolar NOP56 gene. <b>2000</b> , 109, 275-82  Molecular organization of the Drosophila melanogaster Adh chromosomal region in D. repleta and	70 5 165

2110	Drosophila Cdk4 is required for normal growth and is dispensable for cell cycle progression. <b>2000</b> , 19, 4533-42		156
2109	Identification of eukaryotic peptide deformylases reveals universality of N-terminal protein processing mechanisms. <b>2000</b> , 19, 5916-29		162
2108	Chromosomal localization links the SIN3-RPD3 complex to the regulation of chromatin condensation, histone acetylation and gene expression. <b>2000</b> , 19, 6131-40		63
2107	Comparative genomics of the eukaryotes. <i>Science</i> , <b>2000</b> , 287, 2204-15	33.3	1364
2106	Evolutionary novelties in islands: Drosophila santomea, a new melanogaster sister species from SB Tom[] <b>2000</b> , 267, 1487-95		159
2105	Gene targeting by homologous recombination in Drosophila. <i>Science</i> , <b>2000</b> , 288, 2013-8	33.3	491
2104	Large Scale Structural Analysis of cDNAs in the Model Legume, Lotus japonicus. <b>2000</b> , 113, 451-455		10
2103	Perspectives on functional genomics. <b>2000</b> , 5, 307-312		1
2102	A novel member of the Swi6p family of fission yeast chromo domain-containing proteins associates with the centromere in vivo and affects chromosome segregation. <b>2000</b> , 264, 492-505		15
2101	Identification of missense, nonsense, and deletion mutations in the GRHPR gene in patients with primary hyperoxaluria type II (PH2). <b>2000</b> , 107, 176-85		46
2100	Fundamentals of DNA hybridization arrays for gene expression analysis. <b>2000</b> , 29, 1042-6, 1048-55		141
2099	Alfrescoa workbench for comparative genomic sequence analysis. <b>2000</b> , 10, 1148-57		27
2098	The genomic era: a crucial role for the public health sciences. <b>2000</b> , 108, A204-5		5
2097	Micro- and macroevolution: Scale and hierarchy in evolutionary biology and paleobiology. <b>2000</b> , 26, 15-5	52	11
2096	A temperature-sensitive paralytic mutant defines a primary synaptic calcium channel in Drosophila. <b>2000</b> , 20, 4885-9		102
2095	Drosophila melanogaster G protein-coupled receptors. <b>2000</b> , 150, F83-8		205
2094	A genomewide survey of basic helix-loop-helix factors in Drosophila. <b>2000</b> , 97, 10436-41		149
2093	Drosophila arginase is produced from a nonvital gene that contains the elav locus within its third intron. <b>2000</b> , 275, 31107-14		31

	Cloning and characterization of a Na+-driven anion exchanger (NDAE1). A new bicarbonate transporter. <b>2000</b> , 275, 24552-9	100
2091	Dm1-MMP, a matrix metalloproteinase from Drosophila with a potential role in extracellular matrix remodeling during neural development. <b>2000</b> , 275, 35978-85	98
2090	The UNC-112 gene in Caenorhabditis elegans encodes a novel component of cell-matrix adhesion structures required for integrin localization in the muscle cell membrane. <b>2000</b> , 150, 253-64	160
2089	Mutations in beta-spectrin disrupt axon outgrowth and sarcomere structure. <b>2000</b> , 149, 931-42	101
2088	A molecular genetic analysis of the interaction between the cytoplasmic dynein intermediate chain and the glued (dynactin) complex. <b>2000</b> , 11, 3791-803	33
2087	Reverse transcriptase-polymerase chain reaction validation of 25 "orphan" genes from Escherichia coli K-12 MG1655. <b>2000</b> , 10, 959-66	19
2086	gff2ps: visualizing genomic annotations. <b>2000</b> , 16, 743-4	51
2085	Host response and Histoplasma capsulatum/macrophage molecular interactions. <b>2000</b> , 38, 399-406	21
2084	The evolution of cell adhesion. <b>2000</b> , 150, F89-96	339
0	The contraction of the contracti	
2083	Two genomic paths to the evolution of complexity in bodyplans. <b>2000</b> , 26, 513-519	31
	Breaking down barriers, building bridges. <b>2000</b> , 7, 433-4	31
2082		108
2082	Breaking down barriers, building bridges. <b>2000</b> , 7, 433-4	
2082	Breaking down barriers, building bridges. <b>2000</b> , 7, 433-4  Flying through the drosophila cytoskeletal genome. <b>2000</b> , 150, F63-8	108
2082 2081 2080	Breaking down barriers, building bridges. 2000, 7, 433-4  Flying through the drosophila cytoskeletal genome. 2000, 150, F63-8  Protein kinases and phosphatases in the Drosophila genome. 2000, 150, F57-62  A family of human RNA-binding proteins related to the Drosophila Bruno translational regulator. 2000, 275, 28583-92  Evolution of cyclin-dependent kinases (CDKs) and CDK-activating kinases (CAKs): differential	108
2082 2081 2080 2079	Breaking down barriers, building bridges. 2000, 7, 433-4  Flying through the drosophila cytoskeletal genome. 2000, 150, F63-8  Protein kinases and phosphatases in the Drosophila genome. 2000, 150, F57-62  A family of human RNA-binding proteins related to the Drosophila Bruno translational regulator. 2000, 275, 28583-92  Evolution of cyclin-dependent kinases (CDKs) and CDK-activating kinases (CAKs): differential	108 138 104
2082 2081 2080 2079 2078	Breaking down barriers, building bridges. 2000, 7, 433-4  Flying through the drosophila cytoskeletal genome. 2000, 150, F63-8  Protein kinases and phosphatases in the Drosophila genome. 2000, 150, F57-62  A family of human RNA-binding proteins related to the Drosophila Bruno translational regulator. 2000, 275, 28583-92  Evolution of cyclin-dependent kinases (CDKs) and CDK-activating kinases (CAKs): differential conservation of CAKs in yeast and metazoa. 2000, 17, 1061-74  A case for evolutionary genomics and the comprehensive examination of sequence biodiversity. 2000, 17, 1776-88	108 138 104 85

2074	Progress and potential of Drosophila protein interaction maps. <b>2000</b> , 1, 417-31	13
2073	Genetic manipulation of vectors: A potential novel approach for control of vector-borne diseases. <b>2000</b> , 97, 10295-7	71
2072	Transposable elements in sexual and ancient asexual taxa. <b>2000</b> , 97, 14473-7	211
2071	DNA sequencing with transposons. <b>2000</b> , 7, 717-29	1
2070	Is "junk" DNA mostly intron DNA?. <b>2000</b> , 10, 1672-8	41
2069	Characterization of the B lymphocyte-induced maturation protein-1 (Blimp-1) gene, mRNA isoforms and basal promoter. <b>2000</b> , 28, 4846-55	43
2068	A family of peptidoglycan recognition proteins in the fruit fly Drosophila melanogaster. 2000, 97, 13772-7	427
2067	Quantitative transcript imaging in normal and heat-shocked Drosophila embryos by using high-density oligonucleotide arrays. <b>2000</b> , 97, 12138-43	56
2066	XAB2, a novel tetratricopeptide repeat protein involved in transcription-coupled DNA repair and transcription. <b>2000</b> , 275, 34931-7	102
2065	TAP (NXF1) belongs to a multigene family of putative RNA export factors with a conserved modular architecture. <b>2000</b> , 20, 8996-9008	189
2064	Fusion of the human gene for the polyubiquitination coeffector UEV1 with Kua, a newly identified gene. <b>2000</b> , 10, 1743-56	73
2063	A sea urchin genome project: sequence scan, virtual map, and additional resources. <b>2000</b> , 97, 9514-8	98
2062	Pre-messenger RNA processing factors in the Drosophila genome. <b>2000</b> , 150, F37-44	73
2061	Doubling the rewards: testis ESTs for Drosophila gene discovery and spermatogenesis expression profile analysis. <b>2000</b> , 10, 1841-2	8
2060	The E23 early gene of Drosophila encodes an ecdysone-inducible ATP-binding cassette transporter capable of repressing ecdysone-mediated gene activation. <b>2000</b> , 97, 9519-24	60
2059	Prediction of the coding sequences of unidentified human genes. XIX. The complete sequences of 100 new cDNA clones from brain which code for large proteins in vitro. <b>2000</b> , 7, 347-55	68
2058	Genes encoding Drosophila melanogaster RNA polymerase II general transcription factors: diversity in TFIIA and TFIID components contributes to gene-specific transcriptional regulation. <b>2000</b> , 150, F45-50	64
2057	Arabidopsis genome analysis as exemplified by analysis of chromosome 4. <b>2000</b> , 1, 389-97	3

2056	Constitutive expression of a complement-like protein in toll and JAK gain-of-function mutants of Drosophila. <b>2000</b> , 97, 11427-32	202
2055	Characterization of long cDNA clones from human adult spleen. <b>2000</b> , 7, 357-66	4
2054	Multiplicity, structures, and endocrine and exocrine natures of eel fucose-binding lectins. <b>2000</b> , 275, 33151-7	82
2053	High-resolution localization of Drosophila Spt5 and Spt6 at heat shock genes in vivo: roles in promoter proximal pausing and transcription elongation. <b>2000</b> , 14, 2635-49	221
2052	Skeletor, a novel chromosomal protein that redistributes during mitosis provides evidence for the formation of a spindle matrix. <b>2000</b> , 151, 1401-12	87
2051	A biologist's view of the Drosophila genome annotation assessment project. <b>2000</b> , 10, 391-3	40
2050	Genetic and biochemical characterization of dTOR, the Drosophila homolog of the target of rapamycin. <b>2000</b> , 14, 2689-94	344
2049	Prediction of the coding sequences of unidentified human genes. XVIII. The complete sequences of 100 new cDNA clones from brain which code for large proteins in vitro. <b>2000</b> , 7, 273-81	71
2048	The Arabidopsis genome. An abundance of soluble N-ethylmaleimide-sensitive factor adaptor protein receptors. <b>2000</b> , 124, 1558-69	266
2047	A baculovirus superinfection system: efficient vehicle for gene transfer into Drosophila S2 cells. <b>2000</b> , 74, 11873-80	50
2046	A genomic analysis of membrane trafficking and neurotransmitter release in Drosophila. <b>2000</b> , 150, F77-82	47
2045	Cloning and functional analysis of cDNAs with open reading frames for 300 previously undefined genes expressed in CD34+ hematopoietic stem/progenitor cells. <b>2000</b> , 10, 1546-60	135
2044	Generation of mouse mutants as a tool for functional genomics. <b>2000</b> , 1, 243-55	15
2043	Cockroach diuretic hormones: characterization of a calcitonin-like peptide in insects. <b>2000</b> , 97, 6469-74	110
2042	Cloning, characterization, and phylogenetic analysis of siglec-9, a new member of the CD33-related group of siglecs. Evidence for co-evolution with sialic acid synthesis pathways. <b>2000</b> , 275, 22127-35	120
2041	Evolutionary appearance of genes encoding proteins associated with box H/ACA snoRNAs: cbf5p in Euglena gracilis, an early diverging eukaryote, and candidate Gar1p and Nop10p homologs in archaebacteria. <b>2000</b> , 28, 2342-52	72
2040	Genomic sequence and transcriptional profile of the boundary between pericentromeric satellites and genes on human chromosome arm 10q. <b>2000</b> , 9, 2029-42	36
2039	Drosophila homologs of transcriptional mediator complex subunits are required for adult cell and segment identity specification. <b>2000</b> , 14, 2906-17	55

2038	Regulation of cellular growth by the Drosophila target of rapamycin dTOR. 2000, 14, 2712-24	481
2037	Single nucleotide polymorphisms in wild isolates of Caenorhabditis elegans. 2000, 10, 1690-6	108
2036	A BAC-based physical map of the major autosomes of Drosophila melanogaster. <i>Science</i> , <b>2000</b> , 287, 22715 <b>4</b> .3	128
2035	Phylogenetic classification of prokaryotic and eukaryotic Sir2-like proteins. <b>2000</b> , 273, 793-8	1124
2034	A Drosophila homolog of LIM-kinase phosphorylates cofilin and induces actin cytoskeletal reorganization. <b>2000</b> , 276, 1178-85	51
2033	Expression and evolution of the Drosophila attacin/diptericin gene family. 2000, 279, 574-81	75
2032	brother of rhomboid, a rhomboid-related gene expressed during early Drosophila oogenesis, promotes EGF-R/MAPK signaling. <b>2000</b> , 226, 255-66	52
2031	Modeling the feasibility of whole genome shotgun sequencing using a pairwise end strategy. <b>2000</b> , 68, 237-46	21
2030	Drosophila stretchin-MLCK is a novel member of the Titin/Myosin light chain kinase family. <b>2000</b> , 300, 759-77	46
2029	MetaBlasts: tracing protein tyrosine phosphatase gene family roots from Man to Drosophila melanogaster and Caenorhabditis elegans genomes. <b>2000</b> , 253, 137-43	20
2028	Genomic organization of mouse and human erythrocyte tropomodulin genes encoding the pointed end capping protein for the actin filaments. <b>2000</b> , 256, 271-81	21
2027	4SR, a novel zinc-finger protein with SR-repeats, is expressed during early development of Xenopus. <b>2000</b> , 256, 293-302	8
2026	Two differentially spliced forms of topoisomerase IIalpha and beta mRNAs are conserved between birds and humans. <b>2000</b> , 258, 183-92	10
2025	Investigating 42 candidate orthologous protein groups by molecular evolutionary analysis on genome scale. <b>2000</b> , 261, 305-10	14
2024	Surprises from Drosophila: genetic mechanisms of synaptic development and plasticity. <b>2000</b> , 53, 501-11	44
2023	Complete structural characterisation of the mammalian and Drosophila TRAF genes: implications for TRAF evolution and the role of RING finger splice variants. <b>2000</b> , 37, 721-34	75
2022	Deux modles valent mieux qu'un. <b>2000</b> , 2000, 14	
2021	Genomic sequence, splicing, and gene annotation. <b>2000</b> , 67, 788-92	75

2020	Short-range and long-range guidance by slit and its Robo receptors. Robo and Robo2 play distinct roles in midline guidance. <b>2000</b> , 28, 753-66	200
2019	Ion channels and synaptic organization: analysis of the Drosophila genome. <b>2000</b> , 26, 35-43	378
2018	A genome-wide search for synaptic vesicle cycle proteins in Drosophila. <b>2000</b> , 26, 45-50	95
2017	Mathematical modeling of gene networks. <b>2000</b> , 26, 567-80	344
2016	TRPgamma, a drosophila TRP-related subunit, forms a regulated cation channel with TRPL. <b>2000</b> , 26, 647-57	144
2015	The biology of the mammalian Krppel-like family of transcription factors. <b>2000</b> , 32, 1103-21	355
2014	The expanding superfamily of phospholipase A(2) enzymes: classification and characterization. <b>2000</b> , 1488, 1-19	1033
2013	Steroid regulation of postembryonic development and reproduction in Drosophila. <b>2000</b> , 11, 276-80	120
2012	A chromatin insulator determines the nuclear localization of DNA. <b>2000</b> , 6, 1025-35	282
2011	Genetic control of cell size. <b>2000</b> , 10, 529-35	211
2010	The Drosophila genome. <b>2000</b> , 10, 612-6	12
	The Drosophila genome. 2000, 10, 612-6  Cloning and heterologous expression of Dalpha4, a Drosophila neuronal nicotinic acetylcholine receptor subunit: identification of an alternative exon influencing the efficiency of subunit assembly. 2000, 39, 2604-14	12 64
	Cloning and heterologous expression of Dalpha4, a Drosophila neuronal nicotinic acetylcholine receptor subunit: identification of an alternative exon influencing the efficiency of subunit assembly. <b>2000</b> , 39, 2604-14	,
2009	Cloning and heterologous expression of Dalpha4, a Drosophila neuronal nicotinic acetylcholine receptor subunit: identification of an alternative exon influencing the efficiency of subunit assembly. <b>2000</b> , 39, 2604-14  Many paths to the top of the mountain: diverse evolutionary solutions to centromere structure.	64
2009 2008	Cloning and heterologous expression of Dalpha4, a Drosophila neuronal nicotinic acetylcholine receptor subunit: identification of an alternative exon influencing the efficiency of subunit assembly. 2000, 39, 2604-14  Many paths to the top of the mountain: diverse evolutionary solutions to centromere structure. 2000, 102, 5-8  A unified nomenclature system for the Drosophila odorant receptors. Drosophila Odorant	64 41
2009 2008	Cloning and heterologous expression of Dalpha4, a Drosophila neuronal nicotinic acetylcholine receptor subunit: identification of an alternative exon influencing the efficiency of subunit assembly. 2000, 39, 2604-14  Many paths to the top of the mountain: diverse evolutionary solutions to centromere structure. 2000, 102, 5-8  A unified nomenclature system for the Drosophila odorant receptors. Drosophila Odorant Receptor Nomenclature Committee. 2000, 102, 145-6	64 41 33
2009 2008 2007 2006	Cloning and heterologous expression of Dalpha4, a Drosophila neuronal nicotinic acetylcholine receptor subunit: identification of an alternative exon influencing the efficiency of subunit assembly. 2000, 39, 2604-14  Many paths to the top of the mountain: diverse evolutionary solutions to centromere structure. 2000, 102, 5-8  A unified nomenclature system for the Drosophila odorant receptors. Drosophila Odorant Receptor Nomenclature Committee. 2000, 102, 145-6  An olfactory sensory map in the fly brain. 2000, 102, 147-59  Protein diversity from alternative splicing: a challenge for bioinformatics and post-genome biology. 2000, 103, 367-70	64 41 33 827
2009 2008 2007 2006 2005	Cloning and heterologous expression of Dalpha4, a Drosophila neuronal nicotinic acetylcholine receptor subunit: identification of an alternative exon influencing the efficiency of subunit assembly. 2000, 39, 2604-14  Many paths to the top of the mountain: diverse evolutionary solutions to centromere structure. 2000, 102, 5-8  A unified nomenclature system for the Drosophila odorant receptors. Drosophila Odorant Receptor Nomenclature Committee. 2000, 102, 145-6  An olfactory sensory map in the fly brain. 2000, 102, 147-59  Protein diversity from alternative splicing: a challenge for bioinformatics and post-genome biology. 2000, 103, 367-70  A notch-independent activity of suppressor of hairless is required for normal mechanoreceptor	64 41 33 827 456

2002	Conservation of components of the dystrophin complex in Drosophila. 2000, 482, 13-8		74
2001	Duplication of genes encoding non-clathrin coat protein gamma-COP in vertebrate, insect and plant evolution. <b>2000</b> , 482, 31-6		8
2000	The membrane-bound transferrin homologue melanotransferrin: roles other than iron transport?. <b>2000</b> , 483, 11-6		41
1999	Genomic exploration of the hemiascomycetous yeasts: 3. Methods and strategies used for sequence analysis and annotation. <b>2000</b> , 487, 17-30		32
1998	Y chromosomal fertility factors kl-2 and kl-3 of Drosophila melanogaster encode dynein heavy chain polypeptides. <b>2000</b> , 97, 13239-44		119
1997	A survey of human disease gene counterparts in the Drosophila genome. <b>2000</b> , 150, F23-30		158
1996	The NK-2 homeobox gene scarecrow (scro) is expressed in pharynx, ventral nerve cord and brain of Drosophila embryos. <b>2000</b> , 94, 237-41		42
1995	SPK-1, a C. elegans SR protein kinase homologue, is essential for embryogenesis and required for germline development. <b>2000</b> , 99, 51-64		32
1994	Genomics. The end of the beginning. Science, 2000, 287, 2173-4	33.3	32
1993	A brief history of Drosophila's contributions to genome research. <i>Science</i> , <b>2000</b> , 287, 2216-8	33.3	184
1993 1992	A brief history of Drosophila's contributions to genome research. <i>Science</i> , <b>2000</b> , 287, 2216-8  The Drosophila genome sequence: implications for biology and medicine. <i>Science</i> , <b>2000</b> , 287, 2218-20	33.3	18 <sub>4</sub>
1992 1991	The Drosophila genome sequence: implications for biology and medicine. <i>Science</i> , <b>2000</b> , 287, 2218-20  From sequence to chromosome: the tip of the X chromosome of D. melanogaster. <i>Science</i> , <b>2000</b> ,	33.3	67
1992 1991	The Drosophila genome sequence: implications for biology and medicine. <i>Science</i> , <b>2000</b> , 287, 2218-20  From sequence to chromosome: the tip of the X chromosome of D. melanogaster. <i>Science</i> , <b>2000</b> , 287, 2220-2	33.3	67
1992 1991 1990	The Drosophila genome sequence: implications for biology and medicine. <i>Science</i> , <b>2000</b> , 287, 2218-20  From sequence to chromosome: the tip of the X chromosome of D. melanogaster. <i>Science</i> , <b>2000</b> , 287, 2220-2  A Drosophila complementary DNA resource. <i>Science</i> , <b>2000</b> , 287, 2222-4  Reversal of fortune for Drosophila geneticists?. <i>Science</i> , <b>2000</b> , 288, 1973-5	33·3 33·3 33·3	67 27 308
1992 1991 1990	The Drosophila genome sequence: implications for biology and medicine. <i>Science</i> , <b>2000</b> , 287, 2218-20  From sequence to chromosome: the tip of the X chromosome of D. melanogaster. <i>Science</i> , <b>2000</b> , 287, 2220-2  A Drosophila complementary DNA resource. <i>Science</i> , <b>2000</b> , 287, 2222-4  Reversal of fortune for Drosophila geneticists?. <i>Science</i> , <b>2000</b> , 288, 1973-5	33·3 33·3 33·3	67 27 308
1992 1991 1990 1989 1988	The Drosophila genome sequence: implications for biology and medicine. <i>Science</i> , <b>2000</b> , 287, 2218-20  From sequence to chromosome: the tip of the X chromosome of D. melanogaster. <i>Science</i> , <b>2000</b> , 287, 2220-2  A Drosophila complementary DNA resource. <i>Science</i> , <b>2000</b> , 287, 2222-4  Reversal of fortune for Drosophila geneticists?. <i>Science</i> , <b>2000</b> , 288, 1973-5  Deleterious mutations and the evolution of sex. <i>Science</i> , <b>2000</b> , 290, 331-3  Arabidopsis transcription factors: genome-wide comparative analysis among eukaryotes. <i>Science</i> ,	33·3 33·3 33·3 33·3	67 27 308 24 188

1984	A search for reverse transcriptase-coding sequences reveals new non-LTR retrotransposons in the genome of Drosophila melanogaster. <b>2000</b> , 1, RESEARCH0012	28
1983	A comparison of programmed cell death between species. <b>2000</b> , 1, REVIEWS0003	33
1982	The sequence of human chromosome 21 and implications for research into Down syndrome. <b>2000</b> , 1, REVIEWS0002	36
1981	Fly immunity: great expectations. <b>2000</b> , 1, REVIEWS106	2
1980	Transient-state kinetic analysis of Saccharomyces cerevisiae myristoylCoA:protein N-myristoyltransferase reveals that a step after chemical transformation is rate limiting. <b>2000</b> , 39, 15807-16	20
1979	Capillary electrophoresis for the analysis of biopolymers. <b>2000</b> , 72, 111R-128R	107
1978	Drosophila atypical protein kinase C associates with Bazooka and controls polarity of epithelia and neuroblasts. <b>2000</b> , 150, 1361-74	391
1977	Genomic engineering: moving beyond DNA sequence to function. <b>2000</b> , 88, 1949-1971	28
1976	Micro- and macroevolution: scale and hierarchy in evolutionary biology and paleobiology. <b>2000</b> , 26, 15-52	93
1975	DNA mismatch repair and genetic instability. <b>2000</b> , 34, 359-399	497
1974	Neurobiology of anxiety and fear: challenges for genomic science of the new millennium. 2000, 48, 1144-6	8
1973	Purification, cloning, and characterization of a second arylalkylamine N-acetyltransferase from Drosophila melanogaster. <b>2000</b> , 19, 697-705	50
1972	The Pathological Consequences and Evolutionary Implications of Recent Human Genomic Duplications. <b>2000</b> , 29-46	3
1971	Common mechanisms for pathogens of plants and animals. <b>2001</b> , 39, 259-84	119
1970	The Drosophila homolog of the human AF10 is an HP1-interacting suppressor of position effect variegation. <b>2001</b> , 2, 211-6	24
1969	Evolutionary perspective on innate immune recognition. <b>2001</b> , 155, 705-10	66
1968	The genetic architecture of quantitative traits. <b>2001</b> , 35, 303-39	820
1967	Soft lithography in biology and biochemistry. <b>2001</b> , 3, 335-73	2115

1966	Evidence for Broad-Scale Conservation of Linkage Map Relationships Between Rhagoletis pomonella (Diptera: Tephritidae) and Drosophila melanogaster (Diptera: Drosophilidae). <b>2001</b> , 94, 936-9	947	20
1965	Abundant protein domains occur in proportion to proteome size. <b>2001</b> , 2, RESEARCH0039		1
1964	A rapid method to map mutations in Drosophila. <b>2001</b> , 2, RESEARCH0036		32
1963	Comparison of complete nuclear receptor sets from the human, Caenorhabditis elegans and Drosophila genomes. <b>2001</b> , 2, RESEARCH0029		167
1962	A clustering method for repeat analysis in DNA sequences. <b>2001</b> , 2, RESEARCH0027		80
1961	Isolation, in silico characterization and chromosomal localization of a group of cDNAs from ciliated epithelial cells after in vitro ciliogenesis. <b>2001</b> , 2, RESEARCH0026		4
1960	A draft annotation and overview of the human genome. <b>2001</b> , 2, RESEARCH0025		34
1959	Goodbye to 'one by one' genetics. <b>2001</b> , 2, COMMENT2004		4
1958	A draft annotation and overview of the human genome. <b>2001</b> , 2, preprint0001.1		1
1957	Survey of transcripts in the adult Drosophila brain. <b>2001</b> , 2, RESEARCH0008		8
1956	Functional annotation of a full-length mouse cDNA collection. 2001, 409, 685-90		560
1955	Soybean genomic survey: BAC-end sequences near RFLP and SSR markers. <b>2001</b> , 44, 572-581		60
1954	Substitution of the thioredoxin system for glutathione reductase in Drosophila melanogaster. <i>Science</i> , <b>2001</b> , 291, 643-6	33.3	335
1953	Sequence interpretation. Making sense of the sequence. <i>Science</i> , <b>2001</b> , 291, 1257-60	33.3	21
1952	Apoptotic molecular machinery: vastly increased complexity in vertebrates revealed by genome comparisons. <i>Science</i> , <b>2001</b> , 291, 1279-84	33.3	279
1951	[Genetics and molecular medicine in cardiology]. <b>2001</b> , 54, 91-108		O
1950	A bacterial artificial chromosome library for sequencing the complete human genome. <b>2001</b> , 11, 483-96		211
1949	Epithelial cell polarity and cell junctions in Drosophila. <b>2001</b> , 35, 747-84		431

1948	Transcription in Eukaryotes: The Problems of Complexity. 25-43	1
1947	A new approach to decoding life: systems biology. <b>2001</b> , 2, 343-72	1187
1946	Monooxygenase-Mediated Insecticide Resistance: Regulation of CYP6D1 Expression. <b>2001</b> , 24-41	2
1945	Mass spectrometry in proteomics. <b>2001</b> , 101, 269-95	1057
1944	Genetic dissection of proteoglycan function in Drosophila and C. elegans. 2001, 12, 127-34	63
1943	Synthesis and mobilization of glycogen during metamorphosis of the medfly Ceratitis capitata. <b>2001</b> , 392, 38-47	23
1942	A novel gene, CRR9, which was up-regulated in CDDP-resistant ovarian tumor cell line, was associated with apoptosis. <b>2001</b> , 280, 1148-54	117
1941	The Family of Yellow-Related Drosophila melanogaster Proteins. <b>2001</b> , 281, 611-3	47
1940	Molecular cloning, genomic organization, and expression of a B-type (cricket-type) allatostatin preprohormone from Drosophila melanogaster. <b>2001</b> , 281, 544-50	94
1939	A family of Turandot-related genes in the humoral stress response of Drosophila. <b>2001</b> , 284, 998-1003	119
1938	Isolation and characterization of Vsx1, a novel mouse CVC paired-like homeobox gene expressed during embryogenesis and in the retina. <b>2001</b> , 286, 133-40	33
1937	FUP1, a gene associated with hepatocellular carcinoma, stimulates NIH3T3 cell proliferation and tumor formation in nude mice. <b>2001</b> , 286, 1033-8	8
1936	New insights into the Rh superfamily of genes and proteins in erythroid cells and nonerythroid tissues. <b>2001</b> , 27, 90-101	71
1935	Loss-of-function mutations reveal that the Drosophila nautilus gene is not essential for embryonic myogenesis or viability. <b>2001</b> , 231, 374-82	41
1934	Regulation of transcription factors MHR4 and betaFTZ-F1 by 20-hydroxyecdysone during a larval molt in the tobacco hornworm, Manduca sexta. <b>2001</b> , 232, 265-74	55
1933	DWnt4 and wingless elicit similar cellular responses during imaginal development. <b>2001</b> , 232, 339-50	21
1932	The hiiragi gene encodes a poly(A) polymerase, which controls the formation of the wing margin in Drosophila melanogaster. <b>2001</b> , 233, 137-47	17
1931	Gprk2 controls cAMP levels in Drosophila development. <b>2001</b> , 233, 174-85	20

1930	The BTB/POZ domain of the regulatory proteins Bric 🛭 brac 1 (BAB1) and Bric 🖺 brac 2 (BAB2) interacts with the novel Drosophila TAF(II) factor BIP2/dTAF(II) 155. <b>2001</b> , 237, 368-80	32
1929	Profiles of maternally expressed genes in fertilized eggs of Ciona intestinalis. <b>2001</b> , 238, 315-31	68
1928	pasilla, the Drosophila homologue of the human Nova-1 and Nova-2 proteins, is required for normal secretion in the salivary gland. <b>2001</b> , 239, 309-22	36
1927	Posterior midgut epithelial cells differ in their organization of the membrane skeleton from other drosophila epithelia. <b>2001</b> , 270, 176-87	37
1926	A transglutaminase involved in the coagulation system of the freshwater crayfish, Pacifastacus leniusculus. Tissue localisation and cDNA cloning. <b>2001</b> , 11, 623-37	68
1925	Comparative feline genomics: a BAC/PAC contig map of the major histocompatibility complex class II region. <b>2001</b> , 71, 282-95	27
1924	Cadherin superfamily proteins in Caenorhabditis elegans and Drosophila melanogaster. <b>2001</b> , 305, 1011-24	110
1923	Alternative splicing of an amino-terminal PEVK-like region generates multiple isoforms of Drosophila projectin. <b>2001</b> , 313, 1035-43	28
1922	Complex genetic interactions among four receptor tyrosine phosphatases regulate axon guidance in Drosophila. <b>2001</b> , 17, 274-91	50
1921	Identification of Caenorhabditis elegans isovaleryl-CoA dehydrogenase and structural comparison with other acyl-CoA dehydrogenases. <b>2001</b> , 73, 126-37	10
1920	Conservation of biotindase in mammals and identification of the putative biotinidase gene in Drosophila melanogaster. <b>2001</b> , 74, 492-9	13
1919	The Mnx homeobox gene class defined by HB9, MNR2 and amphioxus AmphiMnx. <b>2001</b> , 211, 103-7	49
1918	Specific expression of the Drosophila midline-jumper retro-transposon in embryonic CNS midline cells. <b>2001</b> , 100, 339-42	3
1917	Cloning and expression of sprint, a Drosophila homologue of RIN1. <b>2001</b> , 101, 259-62	15
1916	Expression of DWnt6, DWnt10, and DFz4 during Drosophila development. <b>2001</b> , 103, 117-20	41
1915	New members of the Drosophila Myc transcription factor subfamily revealed by a genome-wide examination for basic helix-loop-helix genes. <b>2001</b> , 104, 99-104	56
1914	The COECollier/Olf1/EBFtranscription factors: structural conservation and diversity of developmental functions. <b>2001</b> , 108, 3-12	118
1913	Identification and characterization of the Drosophila tau homolog. <b>2001</b> , 108, 171-8	99

1912	Genome-wide analysis of Sox genes in Drosophila melanogaster. <b>2001</b> , 109, 371-5	67
1911	A physical map of the human genome. <b>2001</b> , 409, 934-41	732
1910	Human F-box protein hCdc4 targets cyclin E for proteolysis and is mutated in a breast cancer cell line. <b>2001</b> , 413, 316-22	509
1909	Dual role of the fringe connection gene in both heparan sulphate and fringe-dependent signalling events. <b>2001</b> , 3, 809-15	106
1908	Resistance of Drosophila to toxins. <b>2001</b> , 46, 545-71	67
1907	The drosophila genome and its oncological implications. <b>2001</b> , 27, 105-8	2
1906	Cloning and molecular characterization of the Nicotiana tabacum purH cDNA encoding 5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/inosine monophosphate cyclohydrolase. <b>2001</b> , 158, 1591-1599	6
1905	On discovery, genomes, the Society, and society. <b>2001</b> , 68, 819-25	3
1904	Control of glycolytic dynamics by hexose transport in Saccharomyces cerevisiae. <b>2001</b> , 80, 626-34	70
1903	Neuropeptides and their precursors in the fruitfly, Drosophila melanogaster. <b>2001</b> , 22, 241-54	278
1902	Dictyostelium: an ideal organism for genetic dissection of Ras signalling networks. <b>2001</b> , 1525, 262-71	24
1901	A serum fucolectin isolated and characterized from sea bass Dicentrarchus labrax. <b>2001</b> , 1528, 196-202	37
1900	The cytochrome P450 gene superfamily in Drosophila melanogaster: annotation, intron-exon organization and phylogeny. <b>2001</b> , 262, 189-98	237
1899	The black-pearl gene of Drosophila defines a novel conserved protein family and is required for larval growth and survival. <b>2001</b> , 262, 15-22	21
1898	Characterization of a MEN1 ortholog from Drosophila melanogaster. <b>2001</b> , 263, 31-8	37
1897	Molecular cloning and characterization of human VPS18, VPS 11, VPS16, and VPS33. <b>2001</b> , 264, 241-7	57
1896	Isolation of a cDNA encoding a putative SPARC from the brine shrimp, Artemia franciscana. <b>2001</b> , 268, 53-8	15
1895	The BAH domain, polybromo and the RSC chromatin remodelling complex. <b>2001</b> , 268, 1-7	44

1894	A thrombospondin homologue in Drosophila melanogaster: cDNA and protein structure. 2001, 269, 177-84	15
1893	A novel gene that is up-regulated during recovery from cold shock in Drosophila melanogaster. <b>2001</b> , 270, 259-64	63
1892	The gene structure of the Drosophila melanogaster homolog of the human proto-oncogene fos. <b>2001</b> , 272, 315-22	4
1891	Diptericin-like protein: an immune response gene regulated by the anti-bacterial gene induction pathway in Drosophila. <b>2001</b> , 271, 233-8	24
1890	CYP9E2, CYP4C21 and related pseudogenes from German cockroaches, Blattella germanica: implications for molecular evolution, expression studies and nomenclature of P450s. <b>2001</b> , 272, 257-66	15
1889	Isochore chromosome maps of eukaryotic genomes. <b>2001</b> , 276, 47-56	79
1888	Comparative analysis of the Band 4.1/ezrin-related protein tyrosine phosphatase Pez from two Drosophila species: implications for structure and function. <b>2001</b> , 275, 195-205	7
1887	Genomic organization and expression profile of the parvin family of focal adhesion proteins in mice and humans. <b>2001</b> , 279, 69-79	27
1886	Characterization of the adenosine deaminase-related growth factor (ADGF) gene family in Drosophila. <b>2001</b> , 280, 27-36	28
1885	Genetic model organisms in the study of N-glycans. <b>2001</b> , 83, 703-12	95
1884	Non-synaptic ion channels in insectsbasic properties of currents and their modulation in neurons and skeletal muscles. <b>2001</b> , 64, 431-525	104
1883	The biogenesis and functions of lipid bodies in animals, plants and microorganisms. <b>2001</b> , 40, 325-438	755
1882	Neonicotinoids: insecticides acting on insect nicotinic acetylcholine receptors. <b>2001</b> , 22, 573-80	639
1881	Comparing nuclear receptors in worms, flies and humans. <b>2001</b> , 22, 611-5	38
1880	Evolving better brains: a need for neurotrophins?. <b>2001</b> , 24, 79-85	57
1879	Genome sequences and evolutionary biology, a two-way interaction. <b>2001</b> , 16, 235-242	38
1878	A systematic analysis of human disease-associated gene sequences in Drosophila melanogaster. <b>2001</b> , 11, 1114-25	553
1877	Charting the proteomes of organisms with unsequenced genomes by MALDI-quadrupole time-of-flight mass spectrometry and BLAST homology searching. <b>2001</b> , 73, 1917-26	530

1876	Dendritic-cell function in Toll-like receptor- and MyD88-knockout mice. <b>2001</b> , 22, 78-83	314
1875	The genomic response of the Drosophila embryo to JNK signaling. <b>2001</b> , 1, 579-86	95
1874	The DSmurf ubiquitin-protein ligase restricts BMP signaling spatially and temporally during Drosophila embryogenesis. <b>2001</b> , 1, 567-78	99
1873	Antisocial, an intracellular adaptor protein, is required for myoblast fusion in Drosophila. <b>2001</b> , 1, 705-15	129
1872	The SAD-1 kinase regulates presynaptic vesicle clustering and axon termination. <b>2001</b> , 29, 115-29	151
1871	nompA encodes a PNS-specific, ZP domain protein required to connect mechanosensory dendrites to sensory structures. <b>2001</b> , 29, 415-28	144
1870	The LDL receptor gene family: (un)expected signal transducers in the brain. 2001, 29, 571-81	205
1869	Drosophila Hsc70-4 is critical for neurotransmitter exocytosis in vivo. <b>2001</b> , 30, 475-88	103
1868	Short- and long-range repulsion by the Drosophila Unc5 netrin receptor. <b>2001</b> , 32, 605-17	237
1867	Circadian regulation of gene expression systems in the Drosophila head. <b>2001</b> , 32, 657-71	383
1866	Flotillin-1: gene structure: cDNA cloning from human lung and the identification of alternative polyadenylation signals. <b>2001</b> , 33, 53-64	32
1865	Chromosome 21: from sequence to applications. <b>2001</b> , 11, 241-6	27
1864	Computational analysis of human disease-associated genes and their protein products. <b>2001</b> , 11, 247-57	11
1863	Of flies and menstudying human disease in Drosophila. <b>2001</b> , 11, 274-8	55
1862	New aspects of Wnt signaling pathways in higher vertebrates. <b>2001</b> , 11, 547-53	486
1861	Cytochrome P450 CYP6L1 is specifically expressed in the reproductive tissues of adult male German cockroaches, Blattella germanica (L.). <b>2001</b> , 31, 179-87	30
1860	Cloning and sequence of the gene encoding the muscle fatty acid binding protein from the desert locust, Schistocerca gregaria. <b>2001</b> , 31, 553-62	28
1859	Putative Drosophila odor receptor OR43b localizes to dendrites of olfactory neurons. <b>2001</b> , 31, 791-8	37

1858	Isolation and developmental expression of two nuclear receptors, MHR4 and betaFTZ-F1, in the tobacco hornworm, Manduca sexta. <b>2001</b> , 31, 827-37	38
1857	Identification of a juvenile hormone esterase gene by matching its peptide mass fingerprint with a sequence from the Drosophila genome project. <b>2001</b> , 31, 513-20	47
1856	Identification and molecular characterisation of a peritrophin gene, peritrophin-48, from the myiasis fly Chrysomya bezziana. <b>2001</b> , 31, 919-32	25
1855	Cloning of two hexokinase isoenzyme sequences from Drosophila melanogaster. <b>2001</b> , 31, 1165-71	11
1854	Isolation and expression of an ecdysteroid-inducible neutral endopeptidase 24.11-like gene in wing discs of Bombyx mori. <b>2001</b> , 31, 1213-9	18
1853	The TRAP/SMCC/Mediator complex and thyroid hormone receptor function. <b>2001</b> , 12, 127-34	226
1852	Bridging the NFAT and NF-kappaB families: NFAT5 dimerization regulates cytokine gene transcription in response to osmotic stress. <b>2001</b> , 15, 47-58	200
1851	A common class of nematode glutathione S-transferase (GST) revealed by the theoretical proteome of the model organism Caenorhabditis elegans. <b>2001</b> , 128, 701-8	26
1850	A new family of small, palmitoylated, membrane-associated proteins, characterized by the presence of a cysteine-rich hydrophobic motif. <b>2001</b> , 492, 204-9	11
1849	Mitochondrial uncoupling proteins and phylogenesisUCP4 as the ancestral uncoupling protein. <b>2001</b> , 495, 137-41	78
1848	Molecular characterization of h-l(3)mbt-like: a new member of the human mbt family. 2001, 507, 119-21	21
1847	A chemosensory gene family encoding candidate gustatory and olfactory receptors in Drosophila. <b>2001</b> , 104, 661-73	522
1846	Drosophila fasciclinII is required for the formation of odor memories and for normal sensitivity to alcohol. <b>2001</b> , 105, 757-68	114
1845	Microbial disease in humans: A genomic perspective. <b>2001</b> , 6, 243-52	5
1844	The neurobiology and evolution of cannabinoid signalling. <b>2001</b> , 356, 381-408	288
1843	Lectin-like proteins in model organisms: implications for evolution of carbohydrate-binding activity. <b>2001</b> , 11, 71R-9R	288
1842	Unraveling the genome of rice. <b>2001</b> , 12, 163-164	
1841	Trap a gene and find out its function: toward functional genomics in Drosophila. <b>2001</b> , 15, 147-68	13

1840	thrombospondin homologue (DTSP). <b>2001</b> , 12, 273-9	2
1839	DNA segmentation as a model selection process. 2001,	22
1838	In situ synthesis of oligonucleotide arrays by using surface tension. <b>2001</b> , 123, 8887-94	52
1837	Protein kinase C phosphorylates nonmuscle myosin-II heavy chain from Drosophila but regulation of myosin function by this enzyme is not required for viability in flies. <b>2001</b> , 40, 3606-14	11
1836	Microbial genes in the human genome: lateral transfer or gene loss?. <i>Science</i> , <b>2001</b> , 292, 1903-6 33.3	232
1835	Purification and structural determination of a phosphorylated peptide with anti-calcification and chitin-binding activities in the exoskeleton of the crayfish, Procambarus clarkii. <b>2001</b> , 65, 1840-8	91
1834	Disseminating the genome: joining, resolving, and separating sister chromatids during mitosis and meiosis. <b>2001</b> , 35, 673-745	631
1833	Creating the gene ontology resource: design and implementation. <b>2001</b> , 11, 1425-33	788
1832	Conformation of the substrate and pterin cofactor bound to human tryptophan hydroxylase. Important role of Phe313 in substrate specificity. <b>2001</b> , 40, 15591-601	56
1831	The cloning and characterization of Egalactosidase present during and following germination of tomato (Lycopersicon esculentum Mill.) seed. <b>2001</b> , 52, 1239-1249	18
1830	Preparation of stilbene-tethered nonnatural nucleosides for use with blue-fluorescent antibodies. <b>2001</b> , 66, 1725-32	26
1829	LBra biologica post-genomica: dizionario per lBndocrinologo clinico. <b>2001</b> , 2, 71-83	
1828	. 2001,	
1827	Automated construction of high-density comparative maps between rat, human, and mouse. <b>2001</b> , 11, 1935-43	38
1826	Genome Organization. <b>2001</b> , 295-298	
1825	PCR template preparation for capillary DNA sequencing. <b>2001</b> , 30, 537, 540-2	25
1824	Genetic research and nutritional individuality. <b>2001</b> , 131, 336S-9S	10
1823	Basis for regulated RNA cleavage by functional analysis of RNase L and Ire1p. <b>2001</b> , 7, 361-73	80

1822	Identification and isolation of a full-length clone of mouse GMFB (Gmfb), a putative intracellular kinase regulator, differentially expressed in telencephalon. <b>2001</b> , 92, 304-9	7
1821	Genetics of human complement component C4 and evolution the central MHC. <b>2001</b> , 6, D904-13	12
1820	Evolution of the Na-P(i) cotransport systems. <b>2001</b> , 280, R301-12	103
1819	Sequence analysis of the human genome: implications for the understanding of nervous system function and disease. <b>2001</b> , 58, 1772-8	24
1818	Drosophila alpha- and beta-spectrin mutations disrupt presynaptic neurotransmitter release. <b>2001</b> , 21, 4215-24	87
1817	Purification of Drosophila snRNPs and characterization of two populations of functional U1 particles. <b>2001</b> , 7, 457-70	8
1816	. 2001,	4
1815	The cloning and characterization of Balactosidase present during and following germination of tomato (Lycopersicon esculentum Mill.) seed. <b>2001</b> , 52, 1239-1249	41
1814	Localization of endogenous and recombinant Na(+)-driven anion exchanger protein NDAE1 from Drosophila melanogaster. <b>2001</b> , 281, C449-63	44
1813	Leiomodin and tropomodulin in smooth muscle. <b>2001</b> , 280, C1645-56	42
1812	Microfluorometer assay to measure the expression of beta-galactosidase and green fluorescent protein reporter genes in single Drosophila flies. <b>2001</b> , 30, 594-8, 600-1	22
1811	The Arabidopsis SERRATE Gene Encodes a Zinc-Finger Protein Required for Normal Shoot Development. <b>2001</b> , 13, 1263-1280	144
1810	A novel member of the Ig superfamily, turtle, is a CNS-specific protein required for coordinated motor control. <b>2001</b> , 21, 3113-25	44
1809	A common mechanism underlies vertebrate calcium signaling and Drosophila phototransduction. <b>2001</b> , 21, 2622-9	35
1808	Dominant modifiers of the polyhomeotic extra-sex-combs phenotype induced by marked P element insertional mutagenesis in Drosophila. <b>2001</b> , 78, 137-48	23
1807	Quantitative trait locus mapping of fitness-related traits in Drosophila melanogaster. <b>2001</b> , 77, 107-16	52
1806	Rates of movement and distribution of transposable elements in Drosophila melanogaster: in situ hybridization vs Southern blotting data. <b>2001</b> , 78, 121-36	58
1805	Metabolism 2000: the emperor needs new clothes. <b>2001</b> , 60, 27-44	7

1804 A cGMP-gated channel subunit in Limulus photoreceptors. <b>2001</b> , 18, 517-26	8
1803 Biochemie und Molekulargenetik 2000. <b>2001</b> , 49, 321-336	
Multiplicative versus additive selection in relation to genome evolution: a simulation study. <b>2001</b> , 78, 171-5	8
$_{1801}$ Fruits of human genome project and private venture, and their impact on life science. <b>2001</b> , 121, 845-73	3
FMRFamide-related peptides: a multifunctional family of structurally related neuropeptides in insects. <b>2001</b> , 28, 267-329	84
Identification and characterization of the STIM (stromal interaction molecule) gene family: coding for a novel class of transmembrane proteins. <b>2001</b> , 357, 673-85	204
Identification of a novel class of insect glutathione S-transferases involved in resistance to DDT in the malaria vector Anopheles gambiae. <b>2001</b> , 359, 295-304	196
1797 Functional properties of Drosophila inositol trisphosphate receptors. <b>2001</b> , 359, 435-41	13
Functional regulation of glutamine:fructose-6-phosphate aminotransferase 1 (GFAT1) of Drosophila melanogaster in a UDP-N-acetylglucosamine and cAMP-dependent manner. <b>2001</b> , 360, 401-12	26
Identification and characterization of the STIM (stromal interaction molecule) gene family: coding for a novel class of transmembrane proteins. <b>2001</b> , 357, 673-685	238
1794 Functional properties of Drosophila inositol trisphosphate receptors. <b>2001</b> , 359, 435-441	20
Functional regulation of glutamine:fructose-6-phosphate aminotransferase 1 (GFAT1) of Drosophila melanogaster in a UDP-N-acetylglucosamine and cAMP-dependent manner. <b>2001</b> , 360, 401-412	36
1792 From Genomes to Drugs with Bioinformatics. <b>2001</b> , 1-25	
Synaptic organization in the fly's optic lamina: few cells, many synapses and divergent microcircuits. <b>2001</b> , 131, 53-69	89
1790 Genome Organization. <b>2001</b> , 859-863	
Identification of a novel class of insect glutathione S-transferases involved in resistance to DDT in the malaria vector Anopheles gambiae. <b>2001</b> , 359, 295-304	281
1788 Study of intrachromosomal duplications among the eukaryote genomes. <b>2001</b> , 18, 2280-8	45
Identification of Waldo-A and Waldo-B, two closely related non-LTR retrotransposons in Drosophila. <b>2001</b> , 18, 196-205	12

1786	Molecular evolution of the ocnus and janus genes in the Drosophila melanogaster species subgroup. <b>2001</b> , 18, 801-11	43
1785	?????????????????????. <b>2001</b> , 10, 14-31	
1784	The J-domain proteins of Arabidopsis thaliana: an unexpectedly large and diverse family of chaperones. <b>2001</b> , 6, 209-18	106
1783	Single nucleotide polymorphism markers for genetic mapping in Drosophila melanogaster. <b>2001</b> , 11, 1100-13	74
1782	The Arabidopsis SERRATE Gene Encodes a Zinc-Finger Protein Required for Normal Shoot Development. <b>2001</b> , 13, 1263	1
1781	The histone deacetylase inhibitor trichostatin A influences the development of Drosophila melanogaster. <b>2001</b> , 58, 1715-8	16
1780	Codon usage and tRNA genes in eukaryotes: correlation of codon usage diversity with translation efficiency and with CG-dinucleotide usage as assessed by multivariate analysis. <b>2001</b> , 53, 290-8	211
1779	Intron dynamics and the evolution of integrin beta-subunit genes: maintenance of an ancestral gene structure in the coral, Acropora millepora. <b>2001</b> , 53, 703-10	14
1778	Nucleotide sequence analysis of the approximately 35-kb segment containing interferon-gamma-inducible mouse proteasome activator genes. <b>2001</b> , 53, 119-29	13
1777	MACF1 gene structure: a hybrid of plectin and dystrophin. <b>2001</b> , 12, 852-61	32
1776	Trans-NIH neuroscience initiatives on mouse phenotyping and mutagenesis. <b>2001</b> , 12, 575-81	29
1775	Isolation and molecular characterization of rasfadin, a novel gene in the vicinity of the bovine prion gene. <b>2001</b> , 12, 150-6	9
1774	Genomic organization, expression, and localization of murine Ran-binding protein 2 (RanBP2) gene. <b>2001</b> , 12, 406-15	11
1773	DNA patents and scientific discovery and innovation: assessing benefits and risks. <b>2001</b> , 7, 29-62	23
1772	Transcriptional regulation in Drosophila: the post-genome challenge. <b>2001</b> , 1, 223-34	17
1771	Neurobiology and the Drosophila genome. <b>2001</b> , 1, 235-40	30
1770	Whole arm inversions of chromosome 4 in Drosophila species. <b>2001</b> , 110, 305-12	12
1769	Illuminating the human genome. <b>2001</b> , 115, 23-9	25

1768	Drosophila SAP18, a member of the Sin3/Rpd3 histone deacetylase complex, interacts with Bicoid and inhibits its activity. <b>2001</b> , 211, 109-17	30
1767	Isolation and characterization of a novel cDNA, UBAP1, derived from the tumor suppressor locus in human chromosome 9p21-22. <b>2001</b> , 127, 613-8	24
1766	A genetic analysis of the cytological region 46C-F containing the Drosophila melanogaster homolog of the jun proto-oncogene. <b>2001</b> , 266, 695-700	15
1765	Advantages of a P-element construct containing MtnA sequences for the identification of patterning and cell determination genes in Drosophila melanogaster. <b>2001</b> , 265, 14-22	8
1764	The X element, a novel LINE transposable element from Drosophila melanogaster. 2001, 265, 489-96	3
1763	Ria1p (Ynl163c), a protein similar to elongation factors 2, is involved in the biogenesis of the 60S subunit of the ribosome in Saccharomyces cerevisiae. <b>2001</b> , 266, 454-62	47
1762	Isolation and characterization of the UBASH3A gene on 21q22.3 encoding a potential nuclear protein with a novel combination of domains. <b>2001</b> , 108, 140-7	39
1761	Pyrokinin/PBAN-like peptides in the central nervous system of Drosophila melanogaster. <b>2001</b> , 306, 459-65	53
1760	An automated annotation tool for genomic DNA sequences using GeneScan and BLAST. 2001, 80, 9-16	6
1759	A novel mechanical dissociation technique for studying acutely isolated maturing Drosophila central neurons. <b>2001</b> , 108, 199-206	14
1758	Simulation of the evolution of genomic complexity. <b>2001</b> , 61, 83-94	2
1757	Characterization of muscle actin genes in Drosophila virilis reveals significant molecular complexity in skeletal muscle types. <b>2001</b> , 10, 333-40	20
1756	Cloning and expression analysis of a 5HT7-like serotonin receptor cDNA from mosquito Aedes aegypti female excretory and respiratory systems. <b>2001</b> , 10, 357-69	47
1755	piggyBac-mediated transposition in Drosophila melanogaster: an evaluation of the use of constitutive promoters to control transposase gene expression. <b>2001</b> , 10, 447-455	3
1754	Tehao functions in the Toll pathway in Drosophila melanogaster: possible roles in development and innate immunity. <b>2001</b> , 10, 457-64	33
1753	A strategy to identify positional candidate genes conferring Marek's disease resistance by integrating DNA microarrays and genetic mapping. <b>2001</b> , 32, 351-9	104
1752	Expression of a plant gene with sequence similarity to animal TGF-beta receptor interacting protein is regulated by brassinosteroids and required for normal plant development. <b>2001</b> , 26, 35-45	59
1751	Catalytic function of Drosophila melanogaster glutathione S-transferase DmGSTS1-1 (GST-2) in conjugation of lipid peroxidation end products. <b>2001</b> , 268, 2912-23	207

1750	Chemosensory protein from the moth Mamestra brassicae. Expression and secondary structure from 1H and 15N NMR. <b>2001</b> , 268, 4731-9	27
1749	Rhythmic expression of Nocturnin mRNA in multiple tissues of the mouse. <b>2001</b> , 1, 9	93
1748	TBP-interacting protein TIP120A is a new global transcription activator with bipartite functional domains. <b>2001</b> , 6, 165-74	8
1747	Developmental roles and molecular characterization of a Drosophila homologue of Arabidopsis Argonaute1, the founder of a novel gene superfamily. <b>2001</b> , 6, 313-25	90
1746	Identification and characterization of DAlk: a novel Drosophila melanogaster RTK which drives ERK activation in vivo. <b>2001</b> , 6, 531-44	80
1745	The rate of terminal nucleotide loss from a telomere of the mosquito Anopheles gambiae. <b>2001</b> , 10, 105-10	15
1744	Cloning of two novel P450 cDNAs from German cockroaches, Blattella germanica (L.): CYP6K1 and CYP6J1. <b>2001</b> , 10, 131-7	12
1743	Expression and induction of three family 4 cytochrome P450 (CYP4)* genes identified from insecticide-resistant and susceptible western corn rootworms, Diabrotica virgifera virgifera. <b>2001</b> , 10, 139-46	67
1742	Cytochrome P450s CYP6D3 and CYP6D1 are part of a P450 gene cluster on autosome 1 in the house fly. <b>2001</b> , 10, 191-6	17
1741	Large-scale mutagenesis: yeast genetics in the genome era. <b>2001</b> , 12, 28-34	30
1740	Plant biotechnology Light at the end of the tunnel: from genes to function. <b>2001</b> , 12, 123-5	
1739	BAC as tools for genome sequencing. <b>2001</b> , 39, 195-209	60
1738	Intramers as promising new tools in functional proteomics. <b>2001</b> , 8, 931-9	84
1737	Evolution of the complement system. <b>2001</b> , 13, 69-73	85
1736	A Drosophila MBD family member is a transcriptional corepressor associated with specific genes. <b>2001</b> , 268, 5397-406	35
1735	The sequence of a 15 769 bp segment of Pichia anomala identifies the SEC61 and FBP1 genes and five new open reading frames. <b>2001</b> , 18, 1187-95	Ο
1734	PRED-CLASS: cascading neural networks for generalized protein classification and genome-wide applications. <b>2001</b> , 44, 361-9	30
1733	A family of proteins related to Sptzle, the toll receptor ligand, are encoded in the Drosophila genome. <b>2001</b> , 45, 71-80	64

1732	Cytochromes P450 of insects: the tip of the iceberg. <b>2001</b> , 57, 958-67	187
1731	Drosophila as a focus in olfactory research: mapping of olfactory sensilla by fine structure, odor specificity, odorant receptor expression, and central connectivity. <b>2001</b> , 55, 284-96	123
1730	Identifying genes for male sex determination in humans. <b>2001</b> , 290, 567-73	3
1729	Teneurin-2 is expressed in tissues that regulate limb and somite pattern formation and is induced in vitro and in situ by FGF8. <b>2001</b> , 220, 27-39	49
1728	High-density microarrays for gene expression analysis. <b>2001</b> , 43, 229-238	67
1727	Innervation of the ring gland of Drosophila melanogaster. <b>2001</b> , 431, 481-91	205
1726	The evolution of nuclear receptors: evidence from the coral Acropora. <b>2001</b> , 21, 93-102	44
1725	Drosophila neuropeptide F mediates integration of chemosensory stimulation and conditioning of the nervous system by food. <b>2001</b> , 47, 16-25	97
1724	Antennal SNMPs (sensory neuron membrane proteins) of Lepidoptera define a unique family of invertebrate CD36-like proteins. <b>2001</b> , 49, 47-61	142
1723	Integrin and talin in the jellyfish Podocoryne carnea. <b>2001</b> , 25, 753-69	15
1722	Distribution of metabotropic glutamate receptor DmGlu-A in Drosophila melanogaster central nervous system. <b>2001</b> , 438, 213-25	27
1721	Analysis of altered gene expression in rat soleus muscle atrophied by disuse. <b>2001</b> , 83, 508-19	38
1720	Structure-based ligand design by a build-up approach and genetic algorithm search in conformational space. <b>2001</b> , 22, 1956-1970	21
1719	Drosophila rab GDI mutants disrupt development but have normal Rab membrane extraction. <b>2001</b> , 31, 17-29	16
1718	Neuroligin 3 is a vertebrate gliotactin expressed in the olfactory ensheathing glia, a growth-promoting class of macroglia. <b>2001</b> , 34, 151-64	66
1717	Neuropeptides in insect development and reproduction. <b>2001</b> , 47, 127-8	3
1716	Gonadotropins in insects: an overview. <b>2001</b> , 47, 129-38	73
1715	Introduction: neuropeptides in insect development and reproduction. 2001, 47, iii-iv	

1714	Insect G protein-coupled receptors and signal transduction. <b>2001</b> , 48, 1-12	75
1713	Molecular and pharmacological properties of insect biogenic amine receptors: lessons from Drosophila melanogaster and Apis mellifera. <b>2001</b> , 48, 13-38	288
1712	Innexins get into the gap. <b>2001</b> , 23, 388-96	187
1711	Molecular biology and anatomy of Drosophila olfactory associative learning. <b>2001</b> , 23, 571-81	118
1710	Genetics of the Drosophila flight muscle myofibril: a window into the biology of complex systems. <b>2001</b> , 23, 1047-63	71
1709	Integrating molecular medicine with functional proteomics: realities and expectations. <b>2001</b> , 1, 30-41	45
1708	Protein functions and biological contexts. <b>2001</b> , 1, 169-78	82
1707	Analysis of the outer membrane proteome of Caulobacter crescentus by two-dimensional electrophoresis and mass spectrometry. <b>2001</b> , 1, 705-20	69
1706	A cluster of Drosophila homeobox genes involved in mesoderm differentiation programs. <b>2001</b> , 23, 125-33	71
1705	The sequence of the human genome. <i>Science</i> , <b>2001</b> , 291, 1304-51	10609
, ,	The sequence of the human genome. <i>Science</i> , <b>2001</b> , 291, 1304-51  Analysis of proteins and proteomes by mass spectrometry. <b>2001</b> , 70, 437-73	10609 906
, ,		
1704	Analysis of proteins and proteomes by mass spectrometry. <b>2001</b> , 70, 437-73	906
1704	Analysis of proteins and proteomes by mass spectrometry. <b>2001</b> , 70, 437-73  Genetic and physical mapping in mosquitoes: molecular approaches. <b>2001</b> , 46, 183-219	906
1704 1703 1702	Analysis of proteins and proteomes by mass spectrometry. <b>2001</b> , 70, 437-73  Genetic and physical mapping in mosquitoes: molecular approaches. <b>2001</b> , 46, 183-219  Population genomics: genome-wide sampling of insect populations. <b>2001</b> , 46, 441-69	906 34 166
1704 1703 1702 1701	Analysis of proteins and proteomes by mass spectrometry. <b>2001</b> , 70, 437-73  Genetic and physical mapping in mosquitoes: molecular approaches. <b>2001</b> , 46, 183-219  Population genomics: genome-wide sampling of insect populations. <b>2001</b> , 46, 441-69  The TRP channel and phospholipase C-mediated signaling. <b>2001</b> , 21, 629-43	906 34 166 21
1704 1703 1702 1701 1700	Analysis of proteins and proteomes by mass spectrometry. 2001, 70, 437-73  Genetic and physical mapping in mosquitoes: molecular approaches. 2001, 46, 183-219  Population genomics: genome-wide sampling of insect populations. 2001, 46, 441-69  The TRP channel and phospholipase C-mediated signaling. 2001, 21, 629-43  In Silico Analysis of the Restriction Fragment Length Distribution in the Human Genome. 2001, 37, 358-367	906 34 166 21

1696 Transposable Elements in the Animal Kingdom. <b>2001</b> , 35, 157-167	9
1695 Introduction into Plant Genomics. <b>2001</b> , 35, 285-293	5
1694 Application of the gene search system to screen for longevity genes in Drosophila. <b>2001</b> , 2, 209-17	56
$_{1693}$ Novel strategies to study the role of mutation and nucleic acid structure in evolution. <b>2001</b> , 67, 115-132	17
Analysis of DNA Interband Regions 3A5/A6, 3C5-6/C7, and 60E8-9/E10 in Polytene Chromosomes of Drosophila melanogaster. <b>2001</b> , 37, 1247-1256	
Neural-specific overexpression of drosophila plenty of SH3s (DPOSH) extends the longevity of adult flies. <b>2001</b> , 2, 271-81	25
1690 SAND, a new protein family: from nucleic acid to protein structure and function prediction. <b>2001</b> , 2, 226	-35 6
1689 Comparing function and structure between entire proteomes. <b>2001</b> , 10, 1970-9	223
1688 In silico identification of novel selenoproteins in the Drosophila melanogaster genome. <b>2001</b> , 2, 697-702	2 102
1687 Physical and functional association of SU(VAR)3-9 and HDAC1 in Drosophila. <b>2001</b> , 2, 915-9	173
1686 Molecular markers of serine protease evolution. <b>2001</b> , 20, 3036-45	140
1685 Glide2, a second glial promoting factor in Drosophila melanogaster. <b>2001</b> , 20, 4664-73	56
Exon structure conservation despite low sequence similarity: a relic of dramatic events in evolution?. <b>2001</b> , 20, 5354-60	74
FTZ-Factor1 and Fushi tarazu interact via conserved nuclear receptor and coactivator motifs. <b>2001</b> , 20, 510-9	48
1682 Reversible inhibition of Hsp70 chaperone function by Scythe and Reaper. <b>2001</b> , 20, 1033-41	89
$_{f 1}68$ $_{f 1}$ The tripartite motif family identifies cell compartments. <b>2001</b> , 20, 2140-51	979
Zebrafishan emerging genetic model for the study of cytokines and hematopoiesis in the era of functional genomics. <b>2001</b> , 73, 23-31	15
1679 Essential genes in proximal 3L heterochromatin of Drosophila melanogaster. <b>2001</b> , 264, 782-9	22

1678	The evolution of postzygotic isolation: accumulating Dobzhansky-Muller incompatibilities. <b>2001</b> , 55, 1085-94	364
1677	Cellular biosensors for drug discovery. <b>2001</b> , 16, 587-92	41
1676	Toll we meet again. <b>2001</b> , 2, 9-10	13
1675	Arabidopsis arrives. <b>2001</b> , 27, 3-5	5
1674	Open-reading-frame sequence tags (OSTs) support the existence of at least 17,300 genes in C. elegans. <b>2001</b> , 27, 332-6	145
1673	Homology-based annotation yields 1,042 new candidate genes in the Drosophila melanogaster genome. <b>2001</b> , 27, 337-40	51
1672	Creation of genome-wide protein expression libraries using random activation of gene expression. <b>2001</b> , 19, 440-5	61
1671	UDP-sugar transporter implicated in glycosylation and processing of Notch. <b>2001</b> , 3, 816-22	109
1670	A literature network of human genes for high-throughput analysis of gene expression. <b>2001</b> , 28, 21-8	590
1669	Identification of the gene altered in Berardinelli-Seip congenital lipodystrophy on chromosome 11q13. <b>2001</b> , 28, 365-70	572
1668	Genetic mapping with SNP markers in Drosophila. <b>2001</b> , 29, 475-81	138
1667	PTOV1, a novel protein overexpressed in prostate cancer containing a new class of protein homology blocks. <b>2001</b> , 20, 1455-64	54
1666	Expression, cellular distribution and protein binding of the glioma amplified sequence (GAS41), a highly conserved putative transcription factor. <b>2001</b> , 20, 4853-63	25
1665	Quantitative trait loci in Drosophila. <b>2001</b> , 2, 11-20	315
1664	Protein interaction maps for model organisms. <b>2001</b> , 2, 55-62	118
1663	Centrosomes and the Scrambled protein coordinate microtubule-independent actin reorganization. <b>2001</b> , 3, 68-75	55
1662	How Drosophila appendages develop. <b>2001</b> , 2, 89-97	81
1661	Confounded cytosine! Tinkering and the evolution of DNA. <b>2001</b> , 2, 147-51	55

1660	Science or alchemy?. <b>2001</b> , 2, 139-42	10
1659	A genomic perspective on membrane compartment organization. <b>2001</b> , 409, 839-41	535
1658	Experimental annotation of the human genome using microarray technology. <b>2001</b> , 409, 922-7	373
1657	Integration of telomere sequences with the draft human genome sequence. <b>2001</b> , 409, 948-51	73
1656	The draft sequences. Filling in the gaps. <b>2001</b> , 409, 818-20	47
1655	The draft sequences. Comparing species. <b>2001</b> , 409, 820-1	68
1654	Protein encoding by both DNA strands. <b>2001</b> , 409, 1000	57
1653	Chance and necessity: the evolution of morphological complexity and diversity. <b>2001</b> , 409, 1102-9	399
1652	Spinal muscular atrophy disrupts the interaction of ZPR1 with the SMN protein. <b>2001</b> , 3, 376-83	99
1651	Genomics. Annotation of the Drosophila genome. <b>2001</b> , 411, 259-60	25
1650	Erratum: Flexible style that encourages outcrossing. <b>2001</b> , 411, 260-260	2
1649	Biology's name game. <b>2001</b> , 411, 631-2	44
1648	Strategies for the systematic sequencing of complex genomes. <b>2001</b> , 2, 573-83	112
1647	Archipelago regulates Cyclin E levels in Drosophila and is mutated in human cancer cell lines. <b>2001</b> , 413, 311-6	384
1646	The many roles of an RNA editor. <b>2001</b> , 2, 869-78	200
1645	Drosophila: genetics meets behaviour. <b>2001</b> , 2, 879-90	343
1644	Genome analysis with gene-indexing databases. <b>2001</b> , 91, 115-32	17
1643	Identification and characterization of a Plasmodium falciparum RNA polymerase gene with similarity to mitochondrial RNA polymerases. <b>2001</b> , 113, 261-9	34

1642	Identification of the human crooked neck gene by comparative gene identification. <b>2001</b> , 1517, 449-54	3
1641	Gene expression microarrays and the integration of biological knowledge. <b>2001</b> , 19, 412-5	74
1640	Classification and phylogeny of hydrogenases. <b>2001</b> , 25, 455-501	291
1639	Identification and analysis of eukaryotic promoters: recent computational approaches. <b>2001</b> , 17, 56-60	143
1638	Alternative splicing: increasing diversity in the proteomic world. <b>2001</b> , 17, 100-7	926
1637	Origin of an animal mitochondrial DNA polymerase subunit via lineage-specific acquisition of a glycyl-tRNA synthetase from bacteria of the Thermus-Deinococcus group. <b>2001</b> , 17, 431-3	24
1636	PDZ proteins and polarity: functions from the fly. <b>2001</b> , 17, 511-9	59
1635	How many nuclear hormone receptors are there in the human genome?. <b>2001</b> , 17, 554-6	179
1634	Gene-targeting in Drosophila validated. <b>2001</b> , 17, 549-51	8
1633	Ggamma-like (GGL) domains: new frontiers in G-protein signaling and beta-propeller scaffolding. <b>2001</b> , 61, 1329-37	111
1632	A putative tachykinin receptor in the cockroach brain: molecular cloning and analysis of expression by means of antisera to portions of the receptor protein. <b>2001</b> , 919, 94-105	25
1631	Characterization of Rb uptake into Sf9 cells using cation chromatography: evidence for a K-Cl cotransporter. <b>2001</b> , 47, 523-532	4
1630	Automated processing of raw DNA sequence data. <b>2001</b> , 20, 41-8	1
1629	Functional genomics: the worm scores a knockout. <b>2001</b> , 11, R85-7	18
1628	Arabidopsis genome: life without notch. <b>2001</b> , 11, R112-4	23
1627	An evolutionarily conserved function of the Drosophila insulin receptor and insulin-like peptides in growth control. <b>2001</b> , 11, 213-21	944
1626	Genome analysis: More Drosophila Y chromosome genes. <b>2001</b> , 11, R182-4	15
1625	A gain-of-function screen for genes controlling motor axon guidance and synaptogenesis in Drosophila. <b>2001</b> , 11, 417-30	168

1624	Spatially restricted expression of candidate taste receptors in the Drosophila gustatory system. <b>2001</b> , 11, 822-35	268
1623	Drosophila homolog of the myotonic dystrophy-associated gene, SIX5, is required for muscle and gonad development. <b>2001</b> , 11, 1044-9	45
1622	Cooperative action of antioxidant defense systems in Drosophila. <b>2001</b> , 11, 1272-7	79
1621	Identification of the first invertebrate interleukin JAK/STAT receptor, the Drosophila gene domeless. <b>2001</b> , 11, 1700-5	266
1620	Use of mass spectrometry-derived data to annotate nucleotide and protein sequence databases. <b>2001</b> , 26, 54-61	103
1619	The crystal structure of yeast thiamin pyrophosphokinase. <b>2001</b> , 9, 539-46	48
1618	Contamination of human genome sequence? The story of a fourth peroxisomal human acyl-CoA oxidase. <b>2001</b> , 1, 175-175	
1617	Genomic structure of three CLN3-like genes in Caenorhabditis elegans. <b>2001</b> , 5 Suppl A, 121-5	6
1616	Key animal models for the identification and validation of drug targets. <b>2001</b> , 6, 91-96	5
1615	Using genomics to understand the nervous system. <b>2001</b> , 6, 81-85	2
1614	Genomics, science and medicine: the future is now. <b>2001</b> , 6, 63-64	1
1613	Impact of human genome sequencing for in silico target discovery. <b>2001</b> , 6, 316-323	18
1612	The UNC-104/KIF1 family of kinesins. <b>2001</b> , 13, 36-40	31
1611	Cellular and molecular insights into presynaptic assembly. <b>2001</b> , 11, 127-34	15
1610	Sequence and analysis of the Arabidopsis genome. <b>2001</b> , 4, 105-10	62
1609	Functional conservation of hematopoietic factors in Drosophila and vertebrates. <b>2001</b> , 69, 83-90	62
1608	FOUNTAIN: a JAVA open-source package to assist large sequencing projects. <b>2001</b> , 2, 6	6
1607	Relatedness of baculovirus and gypsy retrotransposon envelope proteins. <b>2001</b> , 1, 1	61

1606	Kinesins in the Arabidopsis genome: a comparative analysis among eukaryotes. <b>2001</b> , 2, 2	155
1605	Cloning, expression and nuclear localization of human NPM3, a member of the nucleophosmin/nucleoplasmin family of nuclear chaperones. <b>2001</b> , 2, 8	24
1604	Developmental regulation of transcription by a tissue-specific TAF homolog. <b>2001</b> , 15, 1021-30	158
1603	How malleable is the eukaryotic genome? Extreme rate of chromosomal rearrangement in the genus Drosophila. <b>2001</b> , 11, 230-9	129
1602	Novel protein domains and repeats in Drosophila melanogaster: insights into structure, function, and evolution. <b>2001</b> , 11, 1996-2008	89
1601	Exploring the DNA-binding specificities of zinc fingers with DNA microarrays. <b>2001</b> , 98, 7158-63	229
1600	Nuclear hormone receptor CHR3 is a critical regulator of all four larval molts of the nematode Caenorhabditis elegans. <b>2001</b> , 98, 7360-5	99
1599	Mass spectrometric resolution of reversible protein phosphorylation in photosynthetic membranes of Arabidopsis thaliana. <b>2001</b> , 276, 6959-66	171
1598	Disulfide connectivity of recombinant C-terminal region of human thrombospondin 2. <b>2001</b> , 276, 45882-7	23
1597	The Drosophila nitric-oxide synthase gene (dNOS) encodes a family of proteins that can modulate NOS activity by acting as dominant negative regulators. <b>2001</b> , 276, 42241-51	66
1596	Prediction of the coding sequences of unidentified human genes. XXII. The complete sequences of 50 new cDNA clones which code for large proteins. <b>2001</b> , 8, 319-27	29
1595	Genomic and molecular evolutionary analysis of a newly identified infectious agent (SEN virus) and its relationship to the TT virus family. <b>2001</b> , 183, 359-67	138
1594	TAFII55 binding to TAFII250 inhibits its acetyltransferase activity. <b>2001</b> , 98, 12432-7	39
1593	Phenotypic data in FlyBase. <b>2001</b> , 2, 68-80	27
1592	Prediction of the coding sequences of unidentified human genes. XXI. The complete sequences of 60 new cDNA clones from brain which code for large proteins. <b>2001</b> , 8, 179-87	29
1591	BSF binds specifically to the bicoid mRNA 3' untranslated region and contributes to stabilization of bicoid mRNA. <b>2001</b> , 21, 3462-71	62
1590	The gypsy insulator can act as a promoter-specific transcriptional stimulator. <b>2001</b> , 21, 7714-20	25
1589	The hinge and chromo shadow domain impart distinct targeting of HP1-like proteins. <b>2001</b> , 21, 2555-69	132

	Heart aging: a fly in the ointment?. <b>2001</b> , 88, 984-6	25
1587	Exoribonuclease superfamilies: structural analysis and phylogenetic distribution. <b>2001</b> , 29, 1017-26	374
1586	The Molecular Biology Database Collection: an updated compilation of biological database resources. <b>2001</b> , 29, 1-10	58
1585	A Physical Amplified Fragment-Length Polymorphism Map of Arabidopsis. <b>2001</b> , 127, 1579-1589	61
1584	c(3)G encodes a Drosophila synaptonemal complex protein. <b>2001</b> , 15, 3130-43	223
1583	Calexcitin B is a new member of the sarcoplasmic calcium-binding protein family. <b>2001</b> , 276, 22529-36	15
1582	Efficient and heritable functional knock-out of an adult phenotype in Drosophila using a GAL4-driven hairpin RNA incorporating a heterologous spacer. <b>2001</b> , 29, E55-5	83
1581	Gene2EST: a BLAST2 server for searching expressed sequence tag (EST) databases with eukaryotic gene-sized queries. <b>2001</b> , 29, 1272-7	24
1580	Multiple lineages of R1 retrotransposable elements can coexist in the rDNA loci of Drosophila. <b>2001</b> , 18, 235-45	35
1579	Differential distribution of simple sequence repeats in eukaryotic genome sequences. <b>2001</b> , 18, 1161-7	402
1579 1578	Differential distribution of simple sequence repeats in eukaryotic genome sequences. <b>2001</b> , 18, 1161-7  Recent advances in computational genomics. <b>2001</b> , 2, 361-72	402
	Recent advances in computational genomics. <b>2001</b> , 2, 361-72  Analysis of conserved noncoding DNA in Drosophila reveals similar constraints in intergenic and	
1578	Recent advances in computational genomics. <b>2001</b> , 2, 361-72  Analysis of conserved noncoding DNA in Drosophila reveals similar constraints in intergenic and	5
1578 1577	Recent advances in computational genomics. <b>2001</b> , 2, 361-72  Analysis of conserved noncoding DNA in Drosophila reveals similar constraints in intergenic and intronic sequences. <b>2001</b> , 11, 1335-45  Identification of new X-chromosomal genes required for Drosophila oogenesis and novel roles for	5
1578 1577 1576	Recent advances in computational genomics. 2001, 2, 361-72  Analysis of conserved noncoding DNA in Drosophila reveals similar constraints in intergenic and intronic sequences. 2001, 11, 1335-45  Identification of new X-chromosomal genes required for Drosophila oogenesis and novel roles for fs(1)Yb, brainiac and dunce. 2001, 11, 67-77  Activation of hypodermal differentiation in the Caenorhabditis elegans embryo by GATA transcription factors ELT-1 and ELT-3. 2001, 21, 2533-44	5 129 8
1578 1577 1576	Recent advances in computational genomics. 2001, 2, 361-72  Analysis of conserved noncoding DNA in Drosophila reveals similar constraints in intergenic and intronic sequences. 2001, 11, 1335-45  Identification of new X-chromosomal genes required for Drosophila oogenesis and novel roles for fs(1)Yb, brainiac and dunce. 2001, 11, 67-77  Activation of hypodermal differentiation in the Caenorhabditis elegans embryo by GATA transcription factors ELT-1 and ELT-3. 2001, 21, 2533-44	5 129 8 87
1578 1577 1576 1575	Recent advances in computational genomics. 2001, 2, 361-72  Analysis of conserved noncoding DNA in Drosophila reveals similar constraints in intergenic and intronic sequences. 2001, 11, 1335-45  Identification of new X-chromosomal genes required for Drosophila oogenesis and novel roles for fs(1)Yb, brainiac and dunce. 2001, 11, 67-77  Activation of hypodermal differentiation in the Caenorhabditis elegans embryo by GATA transcription factors ELT-1 and ELT-3. 2001, 21, 2533-44  . 2001, 28, 21-28  Gene structure for adenosine kinase in Chinese hamster and human: high-frequency mutants of	5 129 8 87 227

1570	Array-based proteomics: the latest chip challenge. <b>2001</b> , 1, 145-52	29
1569	The COG database: new developments in phylogenetic classification of proteins from complete genomes. <b>2001</b> , 29, 22-8	1433
1568	Human phosphatidylethanolamine-binding protein facilitates heterotrimeric G protein-dependent signaling. <b>2001</b> , 276, 39772-8	80
1567	Gene expression profiling in human fetal liver and identification of tissue- and developmental-stage-specific genes through compiled expression profiles and efficient cloning of full-length cDNAs. <b>2001</b> , 11, 1392-403	43
1566	Genome-wide analysis of the Drosophila immune response by using oligonucleotide microarrays. <b>2001</b> , 98, 12590-5	579
1565	Evolutionary EST analysis identifies rapidly evolving male reproductive proteins in Drosophila. <b>2001</b> , 98, 7375-9	422
1564	Identification of five new genes on the Y chromosome of Drosophila melanogaster. <b>2001</b> , 98, 13225-30	142
1563	Does recombination improve selection on codon usage? Lessons from nematode and fly complete genomes. <b>2001</b> , 98, 5688-92	197
1562	Essential role of Drosophila Hdac1 in homeotic gene silencing. <b>2001</b> , 98, 9730-5	52
1561	Complex mtDNA constitutes an approximate 620-kb insertion on Arabidopsis thaliana chromosome 2: implication of potential sequencing errors caused by large-unit repeats. <b>2001</b> , 98, 5099-103	168
1560	Cloning and characterization of integrin alpha subunits from the solitary ascidian, Halocynthia roretzi. <b>2001</b> , 166, 1710-5	70
1559	Crystal structure of the ectodomain of Methuselah, a Drosophila G protein-coupled receptor associated with extended lifespan. <b>2001</b> , 98, 3744-9	57
1558	The nucleotide changes governing cuticular hydrocarbon variation and their evolution in Drosophila melanogaster. <b>2001</b> , 98, 3920-5	162
1557	From first base: the sequence of the tip of the X chromosome of Drosophila melanogaster, a comparison of two sequencing strategies. <b>2001</b> , 11, 710-30	23
1556	Genome-scale compositional comparisons in eukaryotes. <b>2001</b> , 11, 540-6	117
1555	Transposon-induced hotspots for genomic instability. <b>2001</b> , 11, 1321-2	20
1554	Molecular cloning of a functional allatostatin gut/brain receptor and an allatostatin preprohormone from the silkworm Bombyx mori. <b>2001</b> , 276, 47052-60	69
1553	Are we polyploids? A brief history of one hypothesis. <b>2001</b> , 11, 667-70	41

1552	Spatial and temporal control of RNA stability. <b>2001</b> , 98, 7025-8	156
1551	The basic helix-loop-helix protein family: comparative genomics and phylogenetic analysis. <b>2001</b> , 11, 754-70	285
1550	Neuropeptides and neuropeptide receptors in the Drosophila melanogaster genome. <b>2001</b> , 11, 1126-42	434
1549	Drosophila Brain Tumor is a translational repressor. <b>2001</b> , 15, 762-73	258
1548	RME-8, a conserved J-domain protein, is required for endocytosis in Caenorhabditis elegans. <b>2001</b> , 12, 2011-21	133
1547	ORI-GENE: gene classification based on the evolutionary tree. <b>2001</b> , 17, 167-73	2
1546	A comprehensive expression analysis of all members of a gene family encoding cell-wall enzymes allowed us to predict cis-regulatory regions involved in cell-wall construction in specific organs of Arabidopsis. <b>2001</b> , 42, 1025-33	218
1545	RINT-1, a novel Rad50-interacting protein, participates in radiation-induced G(2)/M checkpoint control. <b>2001</b> , 276, 6105-11	52
1544	Biogenesis of Golgi stacks in imaginal discs of Drosophila melanogaster. <b>2001</b> , 12, 2308-27	40
1543	GST-PRIME: a genome-wide primer design software for the generation of gene sequence tags. <b>2001</b> , 29, 4373-7	16
1542	Drosophila euchromatic LTR retrotransposons are much younger than the host species in which they reside. <b>2001</b> , 11, 1527-40	118
1541	Transgene analysis proves mRNA trans-splicing at the complex mod(mdg4) locus in Drosophila. <b>2001</b> , 98, 9724-9	91
1540	YPD, PombePD and WormPD: model organism volumes of the BioKnowledge library, an integrated resource for protein information. <b>2001</b> , 29, 75-9	241
1539	Centromeres are specialized replication domains in heterochromatin. <b>2001</b> , 153, 101-10	120
1538	Directed gap closure in large-scale sequencing projects. <b>2001</b> , 11, 901-3	8
1537	Adaptins: the final recount. <b>2001</b> , 12, 2907-20	375
1536	Three retrotransposon families in the genome of Giardia lamblia: two telomeric, one dead. <b>2001</b> , 98, 14497-502	88
1535	Identification of a novel thioredoxin-related transmembrane protein. <b>2001</b> , 276, 10032-8	80

1534	Plant Physiology: Past, Present, and Future. <b>2001</b> , 125, 1-3	23
1533	THE EVOLUTION OF POSTZYGOTIC ISOLATION: ACCUMULATING DOBZHANSKY-MULLER INCOMPATIBILITIES. <b>2001</b> , 55, 1085	68
1532	Domains in human splicing factors SF3a60 and SF3a66 required for binding to SF3a120, assembly of the 17S U2 snRNP, and prespliceosome formation. <b>2001</b> , 21, 6406-17	39
1531	Applications of yeast in drug discovery. <b>2001</b> , 57, 117-62	16
1530	The anatomy of the human genome: a neo-Vesalian basis for medicine in the 21st century. <b>2001</b> , 286, 2289-95	42
1529	The molecular logic of olfaction in Drosophila. <b>2001</b> , 26, 207-13	66
1528	Implications of the human genome for understanding human biology and medicine. 2001, 286, 2296-307	93
1527	Drosophila integrin-linked kinase is required at sites of integrin adhesion to link the cytoskeleton to the plasma membrane. <b>2001</b> , 152, 1007-18	240
1526	A protein trap strategy to detect GFP-tagged proteins expressed from their endogenous loci in Drosophila. <b>2001</b> , 98, 15050-5	612
1525	Molecular characterization of two natural hotspots in the Drosophila buzzatii genome induced by transposon insertions. <b>2001</b> , 11, 1353-64	59
1524	The Drosophila homolog of mammalian zinc finger factor MTF-1 activates transcription in response to heavy metals. <b>2001</b> , 21, 4505-14	126
1523	A clone-array pooled shotgun strategy for sequencing large genomes. <b>2001</b> , 11, 1619-23	41
1522	Drosophila stem loop binding protein coordinates accumulation of mature histone mRNA with cell cycle progression. <b>2001</b> , 15, 173-87	101
1521	DNA polymerase iota and related rad30-like enzymes. <b>2001</b> , 356, 53-60	59
1520	Mutagenic and nonmutagenic bypass of DNA lesions by Drosophila DNA polymerases dpoleta and dpoliota. <b>2001</b> , 276, 15155-63	31
1519	Evolution of intron/exon structure of DEAD helicase family genes in Arabidopsis, Caenorhabditis, and Drosophila. <b>2001</b> , 11, 2101-14	101
1518	G beta association and effector interaction selectivities of the divergent G gamma subunit G gamma(13). <b>2001</b> , 276, 49267-74	30
1517	Origin of alternative splicing by tandem exon duplication. <b>2001</b> , 10, 2661-9	115

1516	Functional information in SWISS-PROT: the basis for large-scale characterisation of protein sequences. <b>2001</b> , 2, 9-18	35
1515	Protein-protein interaction panel using mouse full-length cDNAs. <b>2001</b> , 11, 1758-65	89
1514	The Arabidopsis thaliana genome contains at least 29 active genes encoding SET domain proteins that can be assigned to four evolutionarily conserved classes. <b>2001</b> , 29, 4319-33	244
1513	Olfaction in Drosophila: coding, genetics and e-genetics. <b>2001</b> , 26, 201-6	13
1512	Functional genomics of odor-guided behavior in Drosophila melanogaster. <b>2001</b> , 26, 215-21	17
1511	Age-associated cardiac dysfunction in Drosophila melanogaster. <b>2001</b> , 88, 1053-8	104
1510	EST analysis of genes that are expressed in the neural complex of Ciona intestinalis adults. <b>2001</b> , 18, 1231-6	13
1509	Molecular analysis of novel Drosophila gene, Gap69C, encoding a homolog of ADP-ribosylation factor GTPase-activating protein. <b>2001</b> , 20, 107-13	6
1508	Generation of a semi-dominant mutation with temperature sensitive effects on both locomotion and phototransduction in Drosophila melanogaster. <b>2001</b> , 15, 75-95	4
1507	T-box genes in development: from hydra to humans. <b>2001</b> , 207, 1-70	152
1506	Regulation of antibacterial and antifungal innate immunity in fruitflies and humans. 2001, 79, 225-59	6
1505	Myotropic Peptides in Drosophila Melanogaster And The Genes That Encode Them. <b>2002</b> , 16, 1-28	28
1504	A comparative genomic analysis of two distant diptera, the fruit fly, Drosophila melanogaster, and the malaria mosquito, Anopheles gambiae. <b>2002</b> , 12, 57-66	50
1503	Transcriptional regulation: a genomic overview. <b>2002</b> , 1, e0085	33
1502	A comparison of whole-genome shotgun-derived mouse chromosome 16 and the human genome. <i>Science</i> , <b>2002</b> , 296, 1661-71	305
1501	Bioinformatics and cytogenetics of unusual Drosophila melanogaster X-chromosome morphology. <b>2002</b> , 13, 241-3	2
1500	Genes encoding calmodulin-binding proteins in the Arabidopsis genome. <b>2002</b> , 277, 9840-52	166
1499	Molecular and functional characterization of a unique Rab protein, RABRP1, containing the WDIAGQE sequence in a GTPase motif. <b>2002</b> , 19, 981-93	17

1498	Genomics and integrative analyses of division of labor in honeybee colonies. <b>2002</b> , 160 Suppl 6, S160-72	114
1497	Evidence for lateral transfer of genes encoding ferredoxins, nitroreductases, NADH oxidase, and alcohol dehydrogenase 3 from anaerobic prokaryotes to Giardia lamblia and Entamoeba histolytica. <b>2002</b> , 1, 181-90	112
1496	Generalized gap model for bacterial artificial chromosome clone fingerprint mapping and shotgun sequencing. <b>2002</b> , 12, 1943-9	23
1495	Identification of G protein-coupled receptors for Drosophila PRXamide peptides, CCAP, corazonin, and AKH supports a theory of ligand-receptor coevolution. <b>2002</b> , 99, 11423-8	303
1494	The accessory subunit of DNA polymerase gamma is essential for mitochondrial DNA maintenance and development in Drosophila melanogaster. <b>2002</b> , 99, 4483-8	41
1493	Remarkable compartmentalization of transposable elements and pseudogenes in the heterochromatin of the Tetraodon nigroviridis genome. <b>2002</b> , 99, 13636-41	60
1492	Genome-wide analysis of clustered Dorsal binding sites identifies putative target genes in the Drosophila embryo. <b>2002</b> , 99, 763-8	305
1491	Characterization of the genome of the mealybug Planococcus lilacinus, a model organism for studying whole-chromosome imprinting and inactivation. <b>2002</b> , 79, 111-8	8
1490	tRNomics: analysis of tRNA genes from 50 genomes of Eukarya, Archaea, and Bacteria reveals anticodon-sparing strategies and domain-specific features. <b>2002</b> , 8, 1189-232	290
1489	REF1/Aly and the additional exon junction complex proteins are dispensable for nuclear mRNA export. <b>2002</b> , 159, 579-88	177
1488	Heparan sulfate proteoglycan-dependent induction of axon branching and axon misrouting by the Kallmann syndrome gene kal-1. <b>2002</b> , 99, 6346-51	139
1487	Peptidomics of the larval Drosophila melanogaster central nervous system. <b>2002</b> , 277, 40368-74	220
1486	The defective kernel 1 (dek1) gene required for aleurone cell development in the endosperm of maize grains encodes a membrane protein of the calpain gene superfamily. <b>2002</b> , 99, 5460-5	204
1485	Origin of sphinx, a young chimeric RNA gene in Drosophila melanogaster. <b>2002</b> , 99, 4448-53	114
1484	Identification in Drosophila melanogaster of the invertebrate G protein-coupled FMRFamide receptor. <b>2002</b> , 99, 15363-8	88
1483	Analysis of the catalytic domain of phosphatidylinositol 4-kinase type II. <b>2002</b> , 277, 44366-75	29
1482	Recombination rate and the distribution of transposable elements in the Drosophila melanogaster genome. <b>2002</b> , 12, 400-7	136
1481	Cloning and functional analysis of pyruvate kinase promoter region from Drosophila melanogaster. <b>2002</b> , 21, 1-10	7

1480	Evolution of supergene families associated with insecticide resistance. <i>Science</i> , <b>2002</b> , 298, 179-81 33.3	452
1479	Identification of a novel cis-regulatory element involved in the heat shock response in Caenorhabditis elegans using microarray gene expression and computational methods. <b>2002</b> , 12, 701-12	166
1478	Promoter-proximal tethering elements regulate enhancer-promoter specificity in the Drosophila Antennapedia complex. <b>2002</b> , 99, 9243-7	104
1477	Deciphering genetic regulatory codes: a challenge for functional genomics. <b>2002</b> , 99, 546-8	56
1476	On the sequencing of the human genome. <b>2002</b> , 99, 3712-6	112
1475	Systematic G-protein-coupled receptor analysis in Drosophila melanogaster identifies a leucokinin receptor with novel roles. <b>2002</b> , 277, 38810-7	149
1474	Annotated expressed sequence tags and cDNA microarrays for studies of brain and behavior in the honey bee. <b>2002</b> , 12, 555-66	224
1473	Cross-referencing eukaryotic genomes: TIGR Orthologous Gene Alignments (TOGA). <b>2002</b> , 12, 493-502	115
1472	Exploiting transcription factor binding site clustering to identify cis-regulatory modules involved in pattern formation in the Drosophila genome. <b>2002</b> , 99, 757-62	482
1471	The Anopheles genome and comparative insect genomics. <i>Science</i> , <b>2002</b> , 298, 97-8	23
.,	The Anopheles genome and comparative insect genomics. <i>Science</i> , <b>2002</b> , 298, 97-8  33.3  An International Campaign for Agricultural and Livestock Genomics (CALG). <b>2002</b> , 06, 958-965	23
1470		<ul><li>23</li><li>73</li></ul>
1470	An International Campaign for Agricultural and Livestock Genomics (CALG). <b>2002</b> , 06, 958-965	
1470 1469	An International Campaign for Agricultural and Livestock Genomics (CALG). <b>2002</b> , 06, 958-965  Nucleotide variation along the Drosophila melanogaster fourth chromosome. <i>Science</i> , <b>2002</b> , 295, 134-7 33.3  Molecular and biochemical characterization of two P450 enzymes in the ecdysteroidogenic	73
1470 1469 1468	An International Campaign for Agricultural and Livestock Genomics (CALG). 2002, 06, 958-965  Nucleotide variation along the Drosophila melanogaster fourth chromosome. <i>Science</i> , 2002, 295, 134-7 33.3  Molecular and biochemical characterization of two P450 enzymes in the ecdysteroidogenic pathway of Drosophila melanogaster. 2002, 99, 11043-8	73 267
1470 1469 1468 1467	An International Campaign for Agricultural and Livestock Genomics (CALG). 2002, 06, 958-965  Nucleotide variation along the Drosophila melanogaster fourth chromosome. <i>Science</i> , 2002, 295, 134-7 33-3  Molecular and biochemical characterization of two P450 enzymes in the ecdysteroidogenic pathway of Drosophila melanogaster. 2002, 99, 11043-8  Developmental genomic approaches in model organisms. 2002, 3, 153-78  The Drosophila heterochromatic gene encoding poly(ADP-ribose) polymerase (PARP) is required to	73 267 28
1470 1469 1468 1467	An International Campaign for Agricultural and Livestock Genomics (CALG). 2002, 06, 958-965  Nucleotide variation along the Drosophila melanogaster fourth chromosome. <i>Science</i> , 2002, 295, 134-7 33-3  Molecular and biochemical characterization of two P450 enzymes in the ecdysteroidogenic pathway of Drosophila melanogaster. 2002, 99, 11043-8  Developmental genomic approaches in model organisms. 2002, 3, 153-78  The Drosophila heterochromatic gene encoding poly(ADP-ribose) polymerase (PARP) is required to modulate chromatin structure during development. 2002, 16, 2108-19	73 267 28 163

1462	Functional cloning, sorting, and expression profiling of nucleic acid-binding proteins. <b>2002</b> , 12, 1175-84	6
1461	B-ZIP proteins encoded by the Drosophila genome: evaluation of potential dimerization partners. <b>2002</b> , 12, 1190-200	59
1460	The FlyBase database of the Drosophila genome projects and community literature. 2002, 30, 106-8	80
1459	DNA Data Bank of Japan (DDBJ) for genome scale research in life science. <b>2002</b> , 30, 27-30	88
1458	Chimeric RNA transposition intermediates of the I factor produce precise retrotransposed copies. <b>2002</b> , 30, 3387-94	4
1457	Characterization of POMT2, a novel member of the PMT protein O-mannosyltransferase family specifically localized to the acrosome of mammalian spermatids. <b>2002</b> , 12, 771-83	94
1456	Identification of four candidate cGMP targets in Dictyostelium. <b>2002</b> , 99, 6749-54	70
1455	Heterochromatin protein 2 (HP2), a partner of HP1 in Drosophila heterochromatin. <b>2002</b> , 99, 14332-7	40
1454	Homophila: human disease gene cognates in Drosophila. <b>2002</b> , 30, 149-51	127
1453	The Drosophila gene collection: identification of putative full-length cDNAs for 70% of D. melanogaster genes. <b>2002</b> , 12, 1294-300	167
1452	Drosophila melanogaster glutamate-cysteine ligase activity is regulated by a modifier subunit with a mechanism of action similar to that of the mammalian form. <b>2002</b> , 277, 1158-65	48
1451	Highly efficient modification of bacterial artificial chromosomes (BACs) using novel shuttle vectors containing the R6Kgamma origin of replication. <b>2002</b> , 12, 1992-8	198
1450	Activation of the JNK pathway during dorsal closure in Drosophila requires the mixed lineage kinase, slipper. <b>2002</b> , 16, 377-87	89
1449	Identification of amino acids important for the catalytic activity of the collagen glucosyltransferase associated with the multifunctional lysyl hydroxylase 3 (LH3). <b>2002</b> , 277, 18568-73	45
1448	Systematic sequencing of cDNA clones using the transposon Tn5. <b>2002</b> , 30, 2469-77	50
1447	NUREBASE: database of nuclear hormone receptors. <b>2002</b> , 30, 364-8	30
1446	Multiple roles of the tau131 subunit of yeast transcription factor IIIC (TFIIIC) in TFIIIB assembly. <b>2002</b> , 22, 298-308	21
1445	The 'spectraplakins': cytoskeletal giants with characteristics of both spectrin and plakin families. <b>2002</b> , 115, 4215-25	138

Progress in bioinformatics and the importance of being earnest. <b>2002</b> , 8, 1-54	8
1443 Genome-wide transcriptional orchestration of circadian rhythms in Drosophila. <b>2002</b> , 277, 14048-52	218
Interaction of Alzheimer's beta -amyloid precursor family proteins with scaffold proteins of the JNK signaling cascade. <b>2002</b> , 277, 20070-8	100
Structural and enzymatic characterization of Drosophila Dm2-MMP, a membrane-bound matrix metalloproteinase with tissue-specific expression. <b>2002</b> , 277, 23321-9	80
Functional conservation of subfamilies of putative UDP-N-acetylgalactosamine:polypeptide 1440 N-acetylgalactosaminyltransferases in Drosophila, Caenorhabditis elegans, and mammals. One subfamily composed of l(2)35Aa is essential in Drosophila. 2002, 277, 22623-38	148
Characterization of Drosophila hemoglobin. Evidence for hemoglobin-mediated respiration in insects. <b>2002</b> , 277, 29012-7	72
1438 X-ray structure and ligand binding study of a moth chemosensory protein. <b>2002</b> , 277, 32094-8	118
1437 Fly factory. <b>2002</b> , 12, 1017-8	2
1436 Rapid divergence of gene duplicates on the Drosophila melanogaster X chromosome. <b>2002</b> , 19, 918-25	74
1435 Identification and phylogenetic analysis of Drosophila melanogaster myosins. <b>2002</b> , 19, 1041-52	34
1434 Cloning of homologous genes by gene-capture PCR. <b>2002</b> , 192, 359-76	
PLAC-24 is a cytoplasmic dynein-binding protein that is recruited to sites of cell-cell contact. <b>2002</b> , 13, 1722-34	19
1432 A general-purpose compression scheme for large collections. <b>2002</b> , 20, 329-355	11
Cloning and sequence analysis of D-erythrulose reductase from chicken: its close structural relation to tetrameric carbonyl reductases. <b>2002</b> , 15, 611-7	5
1430 Hormonal genomics. <b>2002</b> , 23, 369-81	18
1429 Identification of two novel primate-specific genes in DSCR. <b>2002</b> , 9, 89-97	15
Expression of a functional Drosophila melanogaster N-acetylneuraminic acid (Neu5Ac) phosphate synthase gene: evidence for endogenous sialic acid biosynthetic ability in insects. <b>2002</b> , 12, 73-83	50
1427 Inferring sub-cellular localization through automated lexical analysis. <b>2002</b> , 18 Suppl 1, S78-86	61

1426	A Drosophila dopamine 2-like receptor: Molecular characterization and identification of multiple alternatively spliced variants. <b>2002</b> , 99, 14554-9	158
1425	SCORE: a computational approach to the identification of cis-regulatory modules and target genes in whole-genome sequence data. Site clustering over random expectation. <b>2002</b> , 99, 9888-93	127
1424	High-resolution SNP mapping by denaturing HPLC. <b>2002</b> , 99, 10575-80	24
1423	Deciphering protein complexes and protein interaction networks by tandem affinity purification and mass spectrometry: analytical perspective. <b>2002</b> , 1, 204-12	54
1422	Suppression of polyglutamine toxicity by a Drosophila homolog of myeloid leukemia factor 1. <b>2002</b> , 11, 2657-72	57
1421	Phylogeny of the Oriental Drosophila melanogaster species group: a multilocus reconstruction. <b>2002</b> , 51, 786-805	54
1420	Common exon duplication in animals and its role in alternative splicing. <b>2002</b> , 11, 1561-7	120
1419	Computer programs for eukaryotic gene prediction. <b>2002</b> , 3, 195-9	17
1418	TRP channel proteins and signal transduction. <b>2002</b> , 82, 429-72	496
1417	Associating genes with gene ontology codes using a maximum entropy analysis of biomedical literature. <b>2002</b> , 12, 203-14	120
1416	Intron presence-absence polymorphism in Drosophila driven by positive Darwinian selection. <b>2002</b> , 99, 8121-6	82
1415	Chaperoning brain degeneration. <b>2002</b> , 99 Suppl 4, 16407-11	179
1414	Thyroid hormone receptor interacting protein 3 (trip3) is a novel coactivator of hepatocyte nuclear factor-4alpha. <b>2002</b> , 51, 910-4	22
1413	The Drosophila gene brainiac encodes a glycosyltransferase putatively involved in glycosphingolipid synthesis. <b>2002</b> , 277, 32421-9	53
1412	Comparative genomic analysis in the region of a major Plasmodium-refractoriness locus of Anopheles gambiae. <b>2002</b> , 99, 8179-84	31
1411	Comprehensive analysis of amino acid and nucleotide composition in eukaryotic genomes, comparing genes and pseudogenes. <b>2002</b> , 30, 2515-23	102
1410	Analysis of Drosophila 26 S proteasome using RNA interference. <b>2002</b> , 277, 6188-97	85
1409	A new approach to genome mapping and sequencing: slalom libraries. <b>2002</b> , 30, E6	8

1408	Progress of Aspergillus oryzae genomics. <b>2002</b> , 51, 81-106	67
1407	MOLECULAR CORRELATES OF REPRODUCTIVE ISOLATION. <b>2002</b> , 56, 191	7
1406	A subset of dynamic actin rearrangements in Drosophila requires the Arp2/3 complex. <b>2002</b> , 156, 677-87	136
1405	From pixels to picograms: a beginners' guide to genome quantification by Feulgen image analysis densitometry. <b>2002</b> , 50, 735-49	199
1404	Molecular population genetics of sequence length diversity in the Adh region of Drosophila pseudoobscura. <b>2002</b> , 80, 163-75	58
1403	Mitochondrial and cytoplasmic thioredoxin reductase variants encoded by a single Drosophila gene are both essential for viability. <b>2002</b> , 277, 11521-6	66
1402	Enhancer action in trans is permitted throughout the Drosophila genome. <b>2002</b> , 99, 3723-8	52
1401	Neuropeptide Control of Molting in Insects. <b>2002</b> , 1-XVI	37
1400	Ligand receptor interactions in the Wnt signaling pathway in Drosophila. 2002, 277, 41762-9	144
1399	Identification of a novel light intermediate chain (D2LIC) for mammalian cytoplasmic dynein 2. <b>2002</b> , 13, 817-29	72
1398	Were vertebrates octoploid?. 2002, 357, 531-44	169
1397	Genomics and plant cells: application of genomics strategies to Arabidopsis cell biology. <b>2002</b> , 357, 731-6	8
1396	ARACHNE: a whole-genome shotgun assembler. <b>2002</b> , 12, 177-89	378
1395	Drosophila syntaxin 16 is a Q-SNARE implicated in Golgi dynamics. <b>2002</b> , 115, 4447-55	34
1394	A deletion-generator compound element allows deletion saturation analysis for genomewide phenotypic annotation. <b>2002</b> , 99, 9948-53	48
1393	Profiling patterned transcripts in Drosophila embryos. <b>2002</b> , 12, 1040-7	20
1392	Focus on InterPro. <b>2002</b> , 3, 221-223	1
1391	GenomeHistory: a software tool and its application to fully sequenced genomes. <b>2002</b> , 30, 3378-86	59

1390	Very large G protein-coupled receptor-1, the largest known cell surface protein, is highly expressed in the developing central nervous system. <b>2002</b> , 277, 785-92	93
1389	Casein kinase II phosphorylates the fragile X mental retardation protein and modulates its biological properties. <b>2002</b> , 22, 8438-47	77
1388	Novel odorant-binding proteins expressed in the taste tissue of the fly. <b>2002</b> , 27, 319-32	28
1387	A question of size: the eukaryotic proteome and the problems in defining it. <b>2002</b> , 30, 1083-90	141
1386	Negative regulation of STAT92E by an N-terminally truncated STAT protein derived from an alternative promoter site. <b>2002</b> , 16, 2379-89	31
1385	A low genomic number of recessive lethals in natural populations of bluefin killifish and zebrafish. <i>Science</i> , <b>2002</b> , 296, 2398-401	44
1384	RNA interference-mediated silencing of Sod2 in Drosophila leads to early adult-onset mortality and elevated endogenous oxidative stress. <b>2002</b> , 99, 16162-7	175
1383	Kinesin light chain-independent function of the Kinesin heavy chain in cytoplasmic streaming and posterior localisation in the Drosophila oocyte. <b>2002</b> , 129, 5473-85	154
1382	ACK family tyrosine kinase activity is a component of Dcdc42 signaling during dorsal closure in Drosophila melanogaster. <b>2002</b> , 22, 3685-97	20
1381	hamlet, a binary genetic switch between single- and multiple- dendrite neuron morphology. <i>Science</i> , <b>2002</b> , 297, 1355-8	107
1380	Avoiding cross hybridization by choosing nonredundant targets on cDNA arrays. 2002, 18, 321-2	47
1379	Whole-genome disassembly. <b>2002</b> , 99, 4143-4	32
1378	Identification and characterization of transcription factor IIIA from Schizosaccharomyces pombe. <b>2002</b> , 30, 2772-81	14
1377	Shar-pei mediates cell proliferation arrest during imaginal disc growth in Drosophila. <b>2002</b> , 129, 5719-30	261
1376	Mapping organism expression levels at cellular resolution in developing Drosophila. 2002,	1
1375	Germline transformants spreading out to many insect species. <b>2002</b> , 47, 49-86	21
1374	Chapter 10. The prospects for microbial genomics providing novel, exploitable, antibacterial targets. <b>2002</b> , 37, 95-104	1
1373	Retroposed new genes out of the X in Drosophila. <b>2002</b> , 12, 1854-9	327

1372	Protein kinase C (PKC) isoforms in Drosophila. <b>2002</b> , 132, 523-7	34
1371	Dictionary-driven protein annotation. <b>2002</b> , 30, 3901-16	18
1370	Enabling population and quantitative genomics. <b>2002</b> , 80, 1-6	18
1369	A cytosolic form of aminopeptidase P from Drosophila melanogaster: molecular cloning and characterization. <b>2002</b> , 131, 445-52	16
1368	On the abundance and distribution of transposable elements in the genome of Drosophila melanogaster. <b>2002</b> , 19, 926-37	194
1367	Hill-Robertson interference is a minor determinant of variations in codon bias across Drosophila melanogaster and Caenorhabditis elegans genomes. <b>2002</b> , 19, 1399-406	48
1366	The Drosophila odz/ten-m gene encodes a type I, multiply cleaved heterodimeric transmembrane protein. <b>2002</b> , 363, 633-43	9
1365	The Drosophila odz/ten-m gene encodes a type I, multiply cleaved heterodimeric transmembrane protein. <b>2002</b> , 363, 633-643	11
1364	The von Willebrand factor-reducing activity of thrombospondin-1 is located in the calcium-binding/C-terminal sequence and requires a free thiol at position 974. <b>2002</b> , 100, 2832-8	34
1363	Drosophila PDZ-GEF, a guanine nucleotide exchange factor for Rap1 GTPase, reveals a novel upstream regulatory mechanism in the mitogen-activated protein kinase signaling pathway. <b>2002</b> , 22, 7658-66	30
1362	Sequence analysis of multidomain proteins: past perspectives and future directions. <b>2002</b> , 61, 75-98	10
1361	Methods in cell-matrix adhesion. Introduction. <b>2002</b> , 69, 3-5	
1360	Characterization of a novel Drosophila melanogaster galectin. Expression in developing immune, neural, and muscle tissues. <b>2002</b> , 277, 13091-8	60
1359	A homologue of AMP-activated protein kinase in Drosophila melanogaster is sensitive to AMP and is activated by ATP depletion. <b>2002</b> , 367, 179-86	76
1358	Application of the human genome to obstetrics and gynecology. <b>2002</b> , 45, 711-29; discussion 730-2	7
1357	KRAB zinc finger proteins: an analysis of the molecular mechanisms governing their increase in numbers and complexity during evolution. <b>2002</b> , 19, 2118-30	105
1356	Exploring the diversity of flies (Diptera). <b>2002</b> , 3, 3-27	39
1355	Targeted mutagenesis by homologous recombination in D. melanogaster. <b>2002</b> , 16, 1568-81	257

1354	The X chromosome is a hot spot for sexually antagonistic fitness variation. <b>2002</b> , 269, 499-505	217
1353	Cloning and characterization of replication protein A p32 complementary DNA in zebrafish (Danio rerio). <b>2002</b> , 4, 1-5	4
1352	Zinc is required for the catalytic activity of the human deubiquitinating isopeptidase T. 2002, 41, 13755-66	14
1351	Calcium signaling through protein kinases. The Arabidopsis calcium-dependent protein kinase gene family. <b>2002</b> , 129, 469-85	630
1350	A new moss genetics: targeted mutagenesis in Physcomitrella patens. <b>2002</b> , 53, 477-501	159
1349	The KH-type RNA-binding protein PSI is required for Drosophila viability, male fertility, and cellular mRNA processing. <b>2002</b> , 16, 72-84	29
1348	Nineteen additional unpredicted transcripts from human chromosome 21. <b>2002</b> , 79, 824-32	43
1347	A small reservoir of disabled ORFs in the yeast genome and its implications for the dynamics of proteome evolution. <b>2002</b> , 316, 409-19	92
1346	A P element with a novel fusion of reporters identifies regular, a C2H2 zinc-finger gene downstream of the circadian clock. <b>2002</b> , 19, 501-14	5
1345	The axonal localization of large Drosophila ankyrin2 protein isoforms is essential for neuronal functionality. <b>2002</b> , 20, 43-55	24
1344	Insects, oxygen, and iron. <b>2002</b> , 292, 1191-5	30
1343	Identification of a novel endothelial-derived gene EG-1. <b>2002</b> , 290, 602-12	25
1342	Cloning and functional expression of the first Drosophila melanogaster sulfakinin receptor DSK-R1. <b>2002</b> , 291, 313-20	93
1341	It takes guts: the Drosophila hindgut as a model system for organogenesis. <b>2002</b> , 243, 1-19	121
1340	Interaction of the essential Drosophila nuclear protein YA with P0/AP3 in the cytoplasm and in vitro: implications for developmental regulation of YA's subcellular location. <b>2002</b> , 244, 429-41	6
1339	A regulatory gene network that directs micromere specification in the sea urchin embryo. <b>2002</b> , 246, 209-28	211
1338	Control of cardiac development by an evolutionarily conserved transcriptional network. <b>2002</b> , 246, 14-28	273
1337	gcm2 promotes glial cell differentiation and is required with glial cells missing for macrophage development in Drosophila. <b>2002</b> , 248, 369-83	135

1336	transporters in the Drosophila embryonic CNS. <b>2002</b> , 248, 294-306	43
1335	Migrating mesoderm establish a uniform distribution of laminin in the developing grasshopper embryo. <b>2002</b> , 249, 57-73	3
1334	Tagging quantitative loci controlling pathogenicity in Magnaporthe grisea by insertional mutagenesis. <b>2002</b> , 61, 77-88	10
1333	Neuropeptides in the nervous system of Drosophila and other insects: multiple roles as neuromodulators and neurohormones. <b>2002</b> , 68, 1-84	375
1332	Large scale analysis of sequences from Neurospora crassa. <b>2002</b> , 94, 3-13	24
1331	The transposable elements of the Drosophila melanogaster euchromatin: a genomics perspective. <b>2002</b> , 3, RESEARCH0084	387
1330	Cross-species infections and their analysis. <b>2002</b> , 56, 539-65	31
1329	Insect diuretic and antidiuretic hormones. <b>2002</b> , 29, 279-409	120
1328	Trichomonas vaginalis: characterization of a family of P-type ATPase genes. <b>2002</b> , 51, 41-51	2
1327	Advances in in vivo bioluminescence imaging of gene expression. <b>2002</b> , 4, 235-60	768
1326	The proliferation of Drosophila in cancer research: a system for the functional characterization of tumor suppressors and oncogenes. <b>2002</b> , 20, 531-56	2
1325	The changing face of the Na+/H+ exchanger, NHE1: structure, regulation, and cellular actions. <b>2002</b> , 42, 527-52	403
1324	Distribution and evolution of von Willebrand/integrin A domains: widely dispersed domains with roles in cell adhesion and elsewhere. <b>2002</b> , 13, 3369-87	527
1323	Comprehensive analysis of CpG islands in human chromosomes 21 and 22. <b>2002</b> , 99, 3740-5	1139
1322	Plants compared to animals: the broadest comparative study of development. <i>Science</i> , <b>2002</b> , 295, 1482-5 <sub>33.3</sub>	227
1321	Animal Models in Biomedical Research. <b>2002</b> , 1185-1225	5
1320	The evolution of gene duplicates. <b>2002</b> , 46, 451-83	109
1319	The genome sequence of the malaria mosquito Anopheles gambiae. <i>Science</i> , <b>2002</b> , 298, 129-49 33.3	1622

1318	The draft genome of Ciona intestinalis: insights into chordate and vertebrate origins. <i>Science</i> , <b>2002</b> , 298, 2157-67	3.3	1354
1317	Chemical diversity in the sialic acids and related alpha-keto acids: an evolutionary perspective. <b>2002</b> , 102, 439-69		992
1316	Algorithms in Bioinformatics. 2002,		3
1315	An integrated computational pipeline and database to support whole-genome sequence annotation. <b>2002</b> , 3, RESEARCH0081		40
1314	Finishing a whole-genome shotgun: release 3 of the Drosophila melanogaster euchromatic genome sequence. <b>2002</b> , 3, RESEARCH0079		265
1313	Annotation of the Drosophila melanogaster euchromatic genome: a systematic review. <b>2002</b> , 3, RESEARCI	H00	8 <b>3</b> 64
1312	Heterochromatic sequences in a Drosophila whole-genome shotgun assembly. <b>2002</b> , 3, RESEARCH0085		188
1311	Whole-genome analysis of animal A- and B-type cyclins. <b>2002</b> , 3, RESEARCH0070		37
1310	Apollo: a sequence annotation editor. <b>2002</b> , 3, RESEARCH0082		283
1309	Assessing the impact of comparative genomic sequence data on the functional annotation of the Drosophila genome. <b>2002</b> , 3, RESEARCH0086		107
1308	The discovery of novel neuropeptides takes flight. <b>2002</b> , 3, reviews1032		1
1307	On the importance of being finished. <b>2002</b> , 3, COMMENT2010		7
1306	Expression profiling of Drosophila imaginal discs. 2002, 3, RESEARCH0038		52
1305	Insights into cereal genomes from two draft genome sequences of rice. <b>2002</b> , 3, REVIEWS1015		7
1304	ORMDL proteins are a conserved new family of endoplasmic reticulum membrane proteins. <b>2002</b> , 3, RESEARCH0027		130
1303	Full-length messenger RNA sequences greatly improve genome annotation. <b>2002</b> , 3, RESEARCH0029		127
1302	Phylogenetic analysis of the human basic helix-loop-helix proteins. <b>2002</b> , 3, RESEARCH0030		150
1301	Evolutionary conservation of otd/Otx2 transcription factor action: a genome-wide microarray analysis in Drosophila. <b>2002</b> , 3, RESEARCH0015		20

1300	Selection in the evolution of gene duplications. <b>2002</b> , 3, RESEARCH0008		491
1299	The La protein. <b>2002</b> , 71, 375-403		337
1298	PCR Cloning Protocols. 2002,		8
1297	ARDS. The future. <b>2002</b> , 18, 177-96		7
1296	Historical development of the concept of the gene. <b>2002</b> , 27, 257-86		38
1295	A draft sequence of the rice genome (Oryza sativa L. ssp. indica). <i>Science</i> , <b>2002</b> , 296, 79-92	33.3	2356
1294	Evolutionary genetics. Insecticide resistance on the move. <i>Science</i> , <b>2002</b> , 297, 2222-3	33.3	102
1293	Inwardly rectifying K+ (Kir) channels in Drosophila. A crucial role of cellular milieu factors Kir channel function. <b>2002</b> , 277, 25554-61		40
1292	The effects of three Drosophila melanogaster myotropins on the frequency of foregut contractions differ. <b>2002</b> , 16, 125-34		28
1291	The Pfam protein families database. <b>2002</b> , 30, 276-80		1839
1291 1290	The Pfam protein families database. 2002, 30, 276-80  Bioinformatics and rational drug design: tools for discovery and better understanding of biological targets and mode of action of drugs. 2002, 95-9		1839 16
1290	Bioinformatics and rational drug design: tools for discovery and better understanding of biological		
1290	Bioinformatics and rational drug design: tools for discovery and better understanding of biological targets and mode of action of drugs. <b>2002</b> , 95-9		16
1290 1289	Bioinformatics and rational drug design: tools for discovery and better understanding of biological targets and mode of action of drugs. <b>2002</b> , 95-9  Trypsin and chymotrypsin inhibitors in insects and gut leeches. <b>2002</b> , 8, 483-91		16
1290 1289 1288	Bioinformatics and rational drug design: tools for discovery and better understanding of biological targets and mode of action of drugs. 2002, 95-9  Trypsin and chymotrypsin inhibitors in insects and gut leeches. 2002, 8, 483-91  Molecular biologist's guide to proteomics. 2002, 66, 39-63; table of contents  Using Drosophila melanogaster to uncover human disease gene function and potential drug target		16 20 383
1290 1289 1288 1287	Bioinformatics and rational drug design: tools for discovery and better understanding of biological targets and mode of action of drugs. 2002, 95-9  Trypsin and chymotrypsin inhibitors in insects and gut leeches. 2002, 8, 483-91  Molecular biologist's guide to proteomics. 2002, 66, 39-63; table of contents  Using Drosophila melanogaster to uncover human disease gene function and potential drug target proteins. 2002, 6, 387-99		16 20 383 32
1290 1289 1288 1287	Bioinformatics and rational drug design: tools for discovery and better understanding of biological targets and mode of action of drugs. 2002, 95-9  Trypsin and chymotrypsin inhibitors in insects and gut leeches. 2002, 8, 483-91  Molecular biologist's guide to proteomics. 2002, 66, 39-63; table of contents  Using Drosophila melanogaster to uncover human disease gene function and potential drug target proteins. 2002, 6, 387-99  Histidine protein kinases: key signal transducers outside the animal kingdom. 2002, 3, REVIEWS3013  Control of actin reorganization by Slingshot, a family of phosphatases that dephosphorylate		16 20 383 32 256

1282	Cloning, characterization, and embryonic expression analysis of the Drosophila melanogaster gene encoding insulin/relaxin-like peptide. <b>2002</b> , 295, 312-8	8
1281	Characterization of the short neuropeptide F receptor from Drosophila melanogaster. <b>2002</b> , 297, 1140-8	111
1280	Molecular cloning and functional expression of a Drosophila corazonin receptor. 2002, 298, 31-6	89
1279	Isolation, identification, and synthesis of a disulfated sulfakinin from the central nervous system of an arthropods the white shrimp Litopenaeus vannamei. <b>2002</b> , 299, 312-20	39
1278	Molecular cloning and functional expression of a Drosophila receptor for the neuropeptides capa-1 and -2. <b>2002</b> , 299, 628-33	93
1277	Molecular identification of the first insect ecdysis triggering hormone receptors. <b>2002</b> , 299, 924-31	66
1276	Identification of G protein-coupled receptor genes from the human genome sequence. <b>2002</b> , 520, 97-101	275
1275	The surface science of enzymes. <b>2002</b> , 500, 678-698	18
1274	Studying genomes through the aeons: protein families, pseudogenes and proteome evolution. <b>2002</b> , 318, 1155-74	146
1273	Digging deep for ancient relics: a survey of protein motifs in the intergenic sequences of four eukaryotic genomes. <b>2002</b> , 323, 811-22	17
1272	Molecular correlates of reproductive isolation. <b>2002</b> , 56, 191-8	59
1271	Lipoprotein receptors in the nervous system. <b>2002</b> , 71, 405-34	346
1270	A P-insertion screen identifying novel X-linked essential genes in Drosophila. 2002, 110, 71-83	147
1269	Drosophila MEF2 is a direct regulator of Actin57B transcription in cardiac, skeletal, and visceral muscle lineages. <b>2002</b> , 110, 39-50	53
1268	Lineage-specific expression of polypyrimidine tract binding protein (PTB) in Drosophila embryos. <b>2002</b> , 111, 143-7	18
1267	Drosophila windpipe codes for a leucine-rich repeat protein expressed in the developing trachea. <b>2002</b> , 111, 173-6	7
1266	Prolyl 4-hydroxylase alpha-related proteins in Drosophila melanogaster: tissue-specific embryonic expression of the 99F8-9 cluster. <b>2002</b> , 112, 165-71	25
1265	Identification of novel Drosophila neural precursor genes using a differential embryonic head cDNA screen. <b>2002</b> , 113, 41-59	48

1264	Gap junctions in Drosophila: developmental expression of the entire innexin gene family. <b>2002</b> , 113, 197-205	110
1263	Requirements of high levels of Hedgehog signaling activity for medial-region cell fate determination in Drosophila legs: identification of pxb, a putative Hedgehog signaling attenuator gene repressed along the anterior-posterior compartment boundary. <b>2002</b> , 116, 3-18	15
1262	Cloning and expression of Drosophila SOCS36E and its potential regulation by the JAK/STAT pathway. <b>2002</b> , 117, 343-6	87
1261	Identification and expression of Ima, a novel Ral-interacting Drosophila protein. <b>2002</b> , 119 Suppl 1, S253-60	2
1260	tincar encodes a novel transmembrane protein expressed in the Tinman-expressing cardioblasts of Drosophila. <b>2002</b> , 119 Suppl 1, S279-83	3
1259	Metabolism of sphingosine 1-phosphate and lysophosphatidic acid: a genome wide analysis of gene expression in Drosophila. <b>2002</b> , 119 Suppl 1, S293-301	21
1258	Gene expression during the life cycle of Drosophila melanogaster. <i>Science</i> , <b>2002</b> , 297, 2270-5	740
1257	Mutations in a novel gene, TMIE, are associated with hearing loss linked to the DFNB6 locus. <b>2002</b> , 71, 632-6	99
1256	In vitro assays to study protein ubiquitination in transcription. <b>2002</b> , 26, 233-44	11
1255	Patterns of importin-alpha expression during Drosophila spermatogenesis. <b>2002</b> , 140, 279-90	38
1254	Mismatch repair-driven mutational bias in D. melanogaster. <b>2002</b> , 10, 199-205	41
1253	Regulation of chemosensory receptor expression and sensory signaling by the KIN-29 Ser/Thr kinase. <b>2002</b> , 33, 369-81	52
1252	Drosophila melanogaster as a model system for drug discovery and pathway screening. <b>2002</b> , 2, 555-60	54
1251	Is the number of genes we possess limited by the presence of an adaptive immune system?. <b>2002</b> , 23, 351-5	10
1250	Loss of the ecdysteroid-inducible E75A orphan nuclear receptor uncouples molting from metamorphosis in Drosophila. <b>2002</b> , 3, 209-20	139
1249	Dynamic analysis of dorsal closure in Drosophila: from genetics to cell biology. <b>2002</b> , 3, 9-19	199
1248	Integrins in development: moving on, responding to, and sticking to the extracellular matrix. <b>2002</b> , 3, 311-21	330
1247	Talin is essential for integrin function in Drosophila. <b>2002</b> , 3, 569-79	220

1246	Drosophila melanogaster ferritin: cDNA encoding a light chain homologue, temporal and tissue specific expression of both subunit types. <b>2002</b> , 32, 295-302	62
1245	Stage-specific expression of the chitin synthase DmeChSA and DmeChSB genes during the onset of Drosophila metamorphosis. <b>2002</b> , 32, 141-6	89
1244	Ribonucleotide reductase subunits from the yellow fever mosquito, Aedes aegypti: cloning and expression. <b>2002</b> , 32, 1037-44	4
1243	Sequence of a cDNA and expression of the gene encoding a putative epidermal chitin synthase of Manduca sexta. <b>2002</b> , 32, 1497-506	66
1242	Functional and phylogenetic analyses of a putative Drosophila melanogaster UDP-glycosyltransferase gene. <b>2002</b> , 32, 1597-604	40
1241	Culicine genomics. <b>2002</b> , 32, 1193-7	7
1240	Genetic engineering in insects of agricultural importance. <b>2002</b> , 32, 1237-42	31
1239	Identification of SNARE and cell trafficking regulatory proteins in the salivary glands of the lone star tick, Amblyomma americanum (L.). <b>2002</b> , 32, 1711-21	28
1238	Genotoxicity and antigenotoxicity of some essential oils evaluated by wing spot test of Drosophila melanogaster. <b>2002</b> , 513, 61-8	50
1237	Decoding cis-regulatory DNAs in the Drosophila genome. <b>2002</b> , 12, 601-6	54
	Decoding cis-regulatory DNAs in the Drosophila genome. <b>2002</b> , 12, 601-6  Variation in recombination rate across the genome: evidence and implications. <b>2002</b> , 12, 657-63	54 170
1236	Variation in recombination rate across the genome: evidence and implications. <b>2002</b> , 12, 657-63  New insights in Adipokinetic Hormone (AKH) precursor processing in Locusta migratoria obtained	170
1236	Variation in recombination rate across the genome: evidence and implications. <b>2002</b> , 12, 657-63  New insights in Adipokinetic Hormone (AKH) precursor processing in Locusta migratoria obtained by capillary liquid chromatography-tandem mass spectrometry. <b>2002</b> , 23, 635-44  The periviscerokinin (PVK) peptide family in insects: evidence for the inclusion of CAP(2b) as a PVK	170 39
1236 1235 1234	Variation in recombination rate across the genome: evidence and implications. <b>2002</b> , 12, 657-63  New insights in Adipokinetic Hormone (AKH) precursor processing in Locusta migratoria obtained by capillary liquid chromatography-tandem mass spectrometry. <b>2002</b> , 23, 635-44  The periviscerokinin (PVK) peptide family in insects: evidence for the inclusion of CAP(2b) as a PVK family member. <b>2002</b> , 23, 605-11	170 39 45
1236 1235 1234 1233	Variation in recombination rate across the genome: evidence and implications. 2002, 12, 657-63  New insights in Adipokinetic Hormone (AKH) precursor processing in Locusta migratoria obtained by capillary liquid chromatography-tandem mass spectrometry. 2002, 23, 635-44  The periviscerokinin (PVK) peptide family in insects: evidence for the inclusion of CAP(2b) as a PVK family member. 2002, 23, 605-11  Insulin-related peptides and their conserved signal transduction pathway. 2002, 23, 807-16  Structure and association of ATP-binding cassette transporter nucleotide-binding domains. 2002,	170 39 45 149
1236 1235 1234 1233	Variation in recombination rate across the genome: evidence and implications. 2002, 12, 657-63  New insights in Adipokinetic Hormone (AKH) precursor processing in Locusta migratoria obtained by capillary liquid chromatography-tandem mass spectrometry. 2002, 23, 635-44  The periviscerokinin (PVK) peptide family in insects: evidence for the inclusion of CAP(2b) as a PVK family member. 2002, 23, 605-11  Insulin-related peptides and their conserved signal transduction pathway. 2002, 23, 807-16  Structure and association of ATP-binding cassette transporter nucleotide-binding domains. 2002, 1561, 47-64	170 39 45 149

1228	insects and nematodes. <b>2002</b> , 293, 97-105	49
1227	An improved general approach for cloning and characterizing telomeres: the protozoan parasite Trypanosoma cruzi as model organism. <b>2002</b> , 294, 197-204	13
1226	Characterization of a Drosophila melanogaster orthologue of muskelin. 2002, 297, 69-78	14
1225	The DNA replication-related element-binding factor (DREF) is a transcriptional regulator of the Drosophila myb gene. <b>2002</b> , 297, 209-19	16
1224	A preliminary comparison of the mouse and human genomes. <b>2002</b> , 1246, 169-181	1
1223	A genome scientific view of ascidian development. <b>2002</b> , 1246, 117-124	
1222	A trace amine, tyramine, functions as a neuromodulator in Drosophila melanogaster. <b>2002</b> , 329, 324-8	98
1221	Exploring genetic regulatory networks in metazoan development: methods and models. <b>2002</b> , 10, 131-43	24
1220	Iron metabolism in insects. <b>2002</b> , 47, 535-59	232
1219	Primer on medical genomics. Part IV: Expression proteomics. <b>2002</b> , 77, 1185-96	21
1218	Mutation of Drosophila homer disrupts control of locomotor activity and behavioral plasticity. <b>2002</b> , 22, 428-36	62
1217	Bibliography. 560-587	O
1216	Eph receptor tyrosine kinase-mediated formation of a topographic map in the Drosophila visual system. <b>2002</b> , 22, 1338-49	53
1215	Global transcript expression profiling by Serial Analysis of Gene Expression (SAGE). <b>2001</b> , 23, 201-19	9
1214	Drosophila minichromosome maintenance 6 is required for chorion gene amplification and genomic replication. <b>2002</b> , 13, 607-20	64
1213	Defective proboscis extension response (DPR), a member of the Ig superfamily required for the gustatory response to salt. <b>2002</b> , 22, 3463-72	62
1213		62

<b>12</b> 10	Hormonal Regulation of Neural and Behavioral Plasticity in Insects. <b>2002</b> , 331-358	7
1209	Programmed cell death takes flight: genetic and genomic approaches to gene discovery in Drosophila. <b>2002</b> , 9, 59-69	8
1208	Insect lipoprotein follows a transferrin-like recycling pathway that is mediated by the insect LDL receptor homologue. <b>2002</b> , 115, 4001-12	45
1207	. 2002,	21
1206	Identification and characterization of subfamily-specific signatures in a large protein superfamily by a hidden Markov model approach. <b>2002</b> , 3, 1	69
1205	The nature of quantitative genetic variation for Drosophila longevity. <b>2002</b> , 123, 95-104	31
1204	Longevity determination genes in Drosophila melanogaster. <b>2002</b> , 123, 1531-41	51
1203	How many genes encode cholinesterase in arthropods?. <b>2002</b> , 73, 122-129	26
1202	The FLEXGene repository: exploiting the fruits of the genome projects by creating a needed resource to face the challenges of the post-genomic era. <b>2002</b> , 33, 318-24	36
1201	Aryl hydrocarbon receptors: diversity and evolution. <b>2002</b> , 141, 131-60	484
	Aryl hydrocarbon receptors: diversity and evolution. <b>2002</b> , 141, 131-60  How can we deliver the large plant genomes? Strategies and perspectives. <b>2002</b> , 5, 173-7	32
1200 1199	How can we deliver the large plant genomes? Strategies and perspectives. <b>2002</b> , 5, 173-7  Characterization and expression of the gene encoding membralin, an evolutionary conserved	32
1200 1199	How can we deliver the large plant genomes? Strategies and perspectives. <b>2002</b> , 5, 173-7  Characterization and expression of the gene encoding membralin, an evolutionary conserved protein expressed in the central nervous system. <b>2002</b> , 1, 205-12	32
1200 1199 1198 1197	How can we deliver the large plant genomes? Strategies and perspectives. <b>2002</b> , 5, 173-7  Characterization and expression of the gene encoding membralin, an evolutionary conserved protein expressed in the central nervous system. <b>2002</b> , 1, 205-12  Analyzing gene regulation in ascidian embryos: new tools for new perspectives. <b>2002</b> , 70, 132-9	32 8 43
1200 1199 1198 1197	How can we deliver the large plant genomes? Strategies and perspectives. 2002, 5, 173-7  Characterization and expression of the gene encoding membralin, an evolutionary conserved protein expressed in the central nervous system. 2002, 1, 205-12  Analyzing gene regulation in ascidian embryos: new tools for new perspectives. 2002, 70, 132-9  Genome sequencing: and then there were six. 2002, 12, R294-6	32 8 43 2
1200 1199 1198 1197 1196	How can we deliver the large plant genomes? Strategies and perspectives. 2002, 5, 173-7  Characterization and expression of the gene encoding membralin, an evolutionary conserved protein expressed in the central nervous system. 2002, 1, 205-12  Analyzing gene regulation in ascidian embryos: new tools for new perspectives. 2002, 70, 132-9  Genome sequencing: and then there were six. 2002, 12, R294-6  A role for the Drosophila fragile X-related gene in circadian output. 2002, 12, 1331-5	32 8 43 2 96

1192	s-element insertions are associated with the evolution of the Hsp70 genes in Drosophila melanogaster. <b>2002</b> , 12, 1686-91	49
1191	An unusual cation channel mediates photic control of locomotion in Drosophila. <b>2002</b> , 12, 2152-8	73
1190	Eukaryotic genomes contain a [2Fez.sbnd;2S] ferredoxin isoform with a conserved C-terminal sequence motif. <b>2002</b> , 27, 545-7	14
1189	Prioritizing the proteome: identifying pharmaceutically relevant targets. <b>2002</b> , 7, 516-21	21
1188	Identification and expression of Ima, a novel Ral-interacting Drosophila protein. 2002, 2, 289-96	
1187	tincar encodes a novel transmembrane protein expressed in the Tinman-expressing cardioblasts of Drosophila. <b>2002</b> , 2, 323-7	1
1186	Metabolism of sphingosine 1-phosphate and lysophosphatidic acid: a genome wide analysis of gene expression in Drosophila. <b>2002</b> , 2, 337-45	13
1185	Doing (F/L)PPPPs: EVH1 domains and their proline-rich partners in cell polarity and migration. <b>2002</b> , 14, 88-103	83
1184	Wie mit Microarrays die Aktivit I vieler Gene erfasst wird: Methodik der funktionellen Genomanalyse. <b>2002</b> , 32, 20-29	
1183	Beyond Watson and Crick: DNA methylation and molecular enzymology of DNA methyltransferases. <b>2002</b> , 3, 274-93	480
1182	Biochemical dissection of the mitochondrial proteome from Arabidopsis thaliana by three-dimensional gel electrophoresis. <b>2002</b> , 23, 640-6	139
1181	A model of random mass-matching and its use for automated significance testing in mass spectrometric proteome analysis. <b>2002</b> , 2, 262-70	33
1180	Application Domains: Genome Projects of Model Organisms. 5-39	
1179	Detection of a single copy gene on a mitotic metaphase chromosome by fluorescence in situ hybridization (FISH) in the sawfly, Athalia rosae (Hymenoptera). <b>2002</b> , 49, 34-40	6
1178	Myosin superfamily evolutionary history. <b>2002</b> , 268, 276-89	88
1177	Fascins, and their roles in cell structure and function. <b>2002</b> , 24, 350-61	267
1176	The ups and downs of daily life: profiling circadian gene expression in Drosophila. 2002, 24, 494-8	27
1175	A Drosophila melanogaster cell line (S2) facilitates post-genome functional analysis of receptors and ion channels. <b>2002</b> , 24, 1066-73	27

1174	Identification and characterization of 9D7, a novel human protein overexpressed in renal cell carcinoma. <b>2002</b> , 97, 217-24	5
1173	Nitric oxide synthase histochemistry in insect nervous systems: Methanol/formalin fixation reveals the neuroarchitecture of formaldehyde-sensitive NADPH diaphorase in the cockroach Periplaneta americana. <b>2002</b> , 448, 165-85	38
1172	Characterizing gene expression during lens formation in Xenopus laevis: evaluating the model for embryonic lens induction. <b>2002</b> , 224, 168-85	32
1171	Molecular characterization of Calymmin, a novel notochord sheath-associated extracellular matrix protein in the zebrafish embryo. <b>2002</b> , 224, 200-9	14
1170	Perlecan participates in proliferation activation of quiescent Drosophila neuroblasts. 2002, 224, 403-12	99
1169	DEAF-1 function is essential for the early embryonic development of Drosophila. <b>2002</b> , 33, 67-76	39
1168	Use of mini-white as a reporter gene to screen for GAL4 insertions with spatially restricted expression pattern in the developing eye in drosophila. <b>2002</b> , 34, 39-45	28
1167	GETDB, a database compiling expression patterns and molecular locations of a collection of Gal4 enhancer traps. <b>2002</b> , 34, 58-61	240
1166	Dynamic expression pattern of kinesin accessory protein in Drosophila. 2002, 27, 479-87	8
1165	One large-insert plant-transformation-competent BIBAC library and three BAC libraries of Japonica rice for genome research in rice and other grasses. <b>2002</b> , 105, 1058-1066	47
1164	The coagulation of insect hemolymph. <b>2002</b> , 59, 363-72	122
1163	Differential multiplicity of MDR alcohol dehydrogenases: enzyme genes in the human genome versus those in organisms initially studied. <b>2002</b> , 59, 1070-5	23
1162	Structure and function of cellular deoxyribonucleoside kinases. <b>2002</b> , 59, 1327-46	220
1161	Protecting against promiscuity: the regulatory role of insulators. <b>2002</b> , 59, 2112-27	43
1160	Phylogenetic analysis of vertebrate lactate dehydrogenase (LDH) multigene families. <b>2002</b> , 54, 614-24	15
1159	Codon usage by transposable elements and their host genes in five species. <b>2002</b> , 54, 625-37	31
1158	Molecular evolution of the lysine biosynthetic pathways. <b>2002</b> , 55, 445-59	108
1157	Evidence for the host contribution in the definition of preferential insertion sites of the elements of Bari 1 transposon family in Drosophila melanogaster. <b>2002</b> , 55, 606-15	4

1156	Intron positions delineate the evolutionary path of a pervasively appended peptide in five human aminoacyl-tRNA synthetases. <b>2002</b> , 55, 727-33	20
1155	A conserved F-box gene with unusual transcript localization. <b>2002</b> , 212, 134-40	9
1154	Gene expression profiles in young adult Ciona intestinalis. <b>2002</b> , 212, 173-85	77
1153	The highly conserved cardiogenic bHLH factor Hand is specifically expressed in circular visceral muscle progenitor cells and in all cell types of the dorsal vessel during Drosophila embryogenesis. <b>2002</b> , 212, 473-85	42
1152	A 5.9-kb tandem repeat at the euchromatin-heterochromatin boundary of the X chromosome of Drosophila melanogaster. <b>2002</b> , 267, 647-55	8
1151	Genetic analyses of essential genes in cytological region 61D1-2 to 61F1-2 of Drosophila melanogaster. <b>2002</b> , 268, 446-54	3
1150	Novel genes expressed in subsets of chemosensory sensilla on the front legs of male Drosophila melanogaster. <b>2002</b> , 307, 381-92	45
1149	Biology of reproductive isolation in Drosophila: toward a better understanding of speciation. <b>2002</b> , 44, 209-219	22
1148	Developmental regulation of alternative exon usage in the house fly Vssc1 sodium channel gene. <b>2002</b> , 4, 125-33	50
1147	Arterial cells and CNS sheath cells from Aplysia californica produce factors that enhance neurite outgrowth in co-cultured neurons. <b>2002</b> , 4, 141-55	7
1146	Stage-specific chromosomal association of Drosophila dMBD2/3 during genome activation. <b>2002</b> , 111, 13-21	21
1145	Microdissection and sequence analysis of pericentric heterochromatin from the Drosophila melanogastermutant Suppressor of Underreplication. <b>2002</b> , 111, 114-25	11
1144	Characterization of a novel silkworm (Bombyx mori) phenol UDP-glucosyltransferase. <b>2002</b> , 269, 819-25	52
1143	Ductus ejaculatorius peptide 99B (DUP99B), a novel Drosophila melanogaster sex-peptide pheromone. <b>2002</b> , 269, 989-97	77
1142	Dbeta3, an atypical nicotinic acetylcholine receptor subunit from Drosophila: molecular cloning, heterologous expression and coassembly. <b>2002</b> , 80, 1009-18	42
1141	Genome and protein evolution in eukaryotes. <b>2002</b> , 6, 39-45	19
1140	Accelerating code to function: sizing up the protein production line. <b>2002</b> , 6, 102-5	40
1139	Separation technologies for glycomics. <b>2002</b> , 771, 67-87	73

1138	Gene function on a genomic scale. <b>2002</b> , 782, 151-63	4
1137	The functional proteomics toolbox: methods and applications. <b>2002</b> , 782, 165-81	54
1136	Evolutionary patterns of the gypsy and bilbo retrotransposon families in the Drosophila species of the obscura group. <b>2002</b> , 25, 254-66	4
1135	Isolation of cDNA clones encoding putative odourant binding proteins from the antennae of the malaria-transmitting mosquito, Anopheles gambiae. <b>2002</b> , 11, 123-32	87
1134	Leveraging genomic databases: from an Aedes albopictus mosquito cell line to the malaria vector Anopheles gambiae via the Drosophila genome project. <b>2002</b> , 11, 187-95	4
1133	Glucosamine:fructose-6-phosphate aminotransferase: gene characterization, chitin biosynthesis and peritrophic matrix formation in Aedes aegypti. <b>2002</b> , 11, 207-16	43
1132	cDNA cloning of biotransformation enzymes belonging to the cytochrome P450 family in the antennae of the noctuid moth Mamestra brassicae. <b>2002</b> , 11, 273-81	58
1131	Analysis of expressed sequence tags from subtracted and unsubtracted Ctenocephalides felis hindgut and Malpighian tubule cDNA libraries. <b>2002</b> , 11, 299-306	18
1130	Linkage map organization of expressed sequence tags and sequence tagged sites in the mosquito, Aedes aegypti. <b>2002</b> , 11, 371-8	55
1129	Molecular cloning and characterization of the cathepsin B-like proteinase from the cotton boll worm, Helicoverpa armigera. <b>2002</b> , 11, 567-75	47
1128	Expression of proteasome subunit isoforms during spermatogenesis in Drosophila melanogaster. <b>2002</b> , 11, 627-39	40
1127	Modulation of synaptic signalling complexes by Homer proteins. <b>2002</b> , 81, 407-13	90
1126	Expression and characterization of the Drosophila X11-like/Mint protein during neural development. <b>2002</b> , 81, 1223-32	25
1125	Putative histamine-gated chloride channel subunits of the insect visual system and thoracic ganglion. <b>2002</b> , 83, 504-14	50
1124	The g-value paradox. <b>2002</b> , 4, 73-5	84
1123	Hox genes and the evolution of the arthropod body plan. <b>2002</b> , 4, 459-99	316
1122	Harnessing the mouse to unravel the genetics of human disease. <b>2002</b> , 1, 14-26	72
1121	Transcriptional territories in the genome. <b>2002</b> , 1, 2	6

1120	Isolation and characterization of a new nucleolar protein, Nrap, that is conserved from yeast to humans. <b>2002</b> , 7, 115-32	21
1119	Characterization of Arabidopsis thaliana AtFKBP42 that is membrane-bound and interacts with Hsp90. <b>2002</b> , 32, 263-76	106
1118	Medium-chain dehydrogenases/reductases (MDR). Family characterizations including genome comparisons and active site modeling. <b>2002</b> , 269, 4267-76	131
1117	Short-chain dehydrogenases/reductases (SDRs). <b>2002</b> , 269, 4409-17	312
1116	Hydrogen/deuterium exchange for higher specificity of protein identification by peptide mass fingerprinting. <b>2002</b> , 16, 616-26	13
1115	The Brugia malayi genome project: expressed sequence tags and gene discovery. <b>2002</b> , 96, 7-17	57
1114	The gifts that keep on giving: physiological functions and evolutionary dynamics of male seminal proteins in Drosophila. <b>2002</b> , 88, 85-93	365
1113	Asymmetric exchange is associated with P element induced male recombination in Drosophila melanogaster. <b>2002</b> , 89, 114-9	
1112	Application of physiological genomics to the microcirculation. <b>2002</b> , 9, 3-12	8
1111	Acetyltransferase machinery conserved in p300/CBP-family proteins. <b>2002</b> , 21, 2253-60	43
1110	Sequence and analysis of chromosome 2 of Dictyostelium discoideum. <b>2002</b> , 418, 79-85	158
1109	A physical map of the mouse genome. <b>2002</b> , 418, 743-50	282
1108	A proteomic view of the Plasmodium falciparum life cycle. <b>2002</b> , 419, 520-6	1066
1107	Initial sequencing and comparative analysis of the mouse genome. <b>2002</b> , 420, 520-62	5376
1106	The genome sequence of Schizosaccharomyces pombe. <b>2002</b> , 415, 871-80	1281
1105	Brouhaha over the other yeast. <b>2002</b> , 415, 845-8	15
1104	An integrated approach for finding overlooked genes in yeast. <b>2002</b> , 20, 58-63	97
1103	Adaptive protein evolution in Drosophila. <b>2002</b> , 415, 1022-4	516

1102 Testing the neutral theory of molecular evolution with genomic data from Drosophila. <b>2002</b> , 415, 1024-6	274
1101 Plasmodium, human and Anopheles genomics and malaria. <b>2002</b> , 415, 702-9	99
1100 How insects lose their limbs. 2002, 415, 848-9	31
1099 Rac function and regulation during Drosophila development. <b>2002</b> , 416, 438-42	304
Cells compete for decapentaplegic survival factor to prevent apoptosis in Drosophila wing development. <b>2002</b> , 416, 755-9	333
1097 The grand assault. <b>2002</b> , 419, 493-4	15
1096 SMIF, a Smad4-interacting protein that functions as a co-activator in TGFbeta signalling. <b>2002</b> , 4, 181-90	80
1095 A genomic view of alternative splicing. <b>2002</b> , 30, 13-9	1050
Large-scale prediction of Saccharomyces cerevisiae gene function using overlapping transcriptional clusters. <b>2002</b> , 31, 255-65	281
1093 Memory enhancement and formation by atypical PKM activity in Drosophila melanogaster. <b>2002</b> , 5, 316-24	137
1092 Control of photoreceptor axon target choice by transcriptional repression of Runt. <b>2002</b> , 5, 746-50	52
1091 Novel animal-health drug targets from ligand-gated chloride channels. <b>2002</b> , 1, 427-36	86
1090 Understanding quantitative genetic variation. <b>2002</b> , 3, 11-21	591
1089 Segmental duplications and the evolution of the primate genome. <b>2002</b> , 3, 65-72	311
1088 The art and design of genetic screens: Drosophila melanogaster. <b>2002</b> , 3, 176-88	460
1087 From sequence to phenotype: reverse genetics in Drosophila melanogaster. <b>2002</b> , 3, 189-98	102
1086 Listening to silence and understanding nonsense: exonic mutations that affect splicing. <b>2002</b> , 3, 285-98	1689
1085 Protease degradomics: a new challenge for proteomics. <b>2002</b> , 3, 509-19	608

1084	Modelling neurodegenerative diseases in Drosophila: a fruitful approach?. <b>2002</b> , 3, 237-43	119
1083	A novel fucose recognition fold involved in innate immunity. <b>2002</b> , 9, 628-34	73
1082	Insights into the mechanism of copper transport by the Wilson and Menkes disease copper-transporting ATPases. <b>2002</b> , 339, 179-187	23
1081	Fluorescence-based nucleic acid detection and microarrays. <b>2002</b> , 469, 3-36	193
1080	Gene expression profiling: methodological challenges, results, and prospects for addiction research. <b>2002</b> , 121, 241-56	41
1079	Surviving in a sea of data: a survey of plant genome data resources and issues in building data management systems. <b>2002</b> , 48, 59-74	11
1078	Gene CG17604 of Drosophila melanogaster May Be a Functional Homolog of Yeast Gene ZIP1 and Mammal Gene SCP1 (SYCP1) Encoding Proteins of the Synaptonemal Complex. <b>2002</b> , 38, 90-94	3
1077	Computational gene finding in plants. <b>2002</b> , 48, 39-48	31
1076	Postgenomic chemical ecology: from genetic code to ecological interactions. <b>2002</b> , 28, 873-96	139
1075	Chromatin Diminution Is a Key Process Explaining the Eukaryotic Genome Size Paradox and Some Mechanisms of Genetic Isolation. <b>2002</b> , 38, 486-495	4
1074	Expansion of genome coding regions by acquisition of new genes. <b>2002</b> , 115, 65-80	36
1073	Genome size and the accumulation of simple sequence repeats: implications of new data from genome sequencing projects. <b>2002</b> , 115, 93-103	68
1072	Transposable elements and the evolution of genome size in eukaryotes. <b>2002</b> , 115, 49-63	394
1071	DNA loss and evolution of genome size in Drosophila. <b>2002</b> , 115, 81-91	113
1070	The Drosophila melanogaster Ku70 coding sequence is wild-type in mus309 mutants. <b>2002</b> , 114, 293-6	
1069	Hidden evolution: progress and limitations in detecting multifarious natural selection. <b>2002</b> , 114, 281-91	1
1068	Comparative Genomics and Proteomics of Drosophila, Brenner's Nematode, and Arabidopsis: Identification of Functionally Similar Genes and Proteins of Meiotic Chromosome Synapsis. <b>2002</b> , 38, 908-917	10
1067	Use of comparative molecular genetics to study pre harvest sprouting in wheat. <b>2002</b> , 126, 27-33	14

1066	Polytene chromosomes as tools in the genetic analysis of the Mediterranean fruit fly, Ceratitis capitata. <b>2002</b> , 116, 59-71	24
1065	The cadherin superfamily database. <b>2002</b> , 2, 135-43	6
1064	Complex Study of Drosophila Mutants in the agnostic Locus: A Model for Coupling Chromosomal Architecture and Cognitive Functions. <b>2002</b> , 38, 706-733	1
1063	Varieties of elastic protein in invertebrate muscles. <b>2002</b> , 23, 435-47	57
1062	Mass spectrometric analysis of the kinetics of in vivo rhodopsin phosphorylation. <b>2002</b> , 11, 862-74	39
1061	Mapping and identification of essential gene functions on the X chromosome of Drosophila. <b>2002</b> , 3, 34-8	99
1060	The C. elegans ric-3 gene is required for maturation of nicotinic acetylcholine receptors. <b>2002</b> , 21, 1012-20	177
1059	Genes expressed in the Drosophila head reveal a role for fat cells in sex-specific physiology. <b>2002</b> , 21, 5353-63	97
1058	The Drosophila melanogaster genome. <b>2003</b> , 4, 89-117	91
1057	A protein interaction map of Drosophila melanogaster. <i>Science</i> , <b>2003</b> , 302, 1727-36 33.3	1914
1057	A protein interaction map of Drosophila melanogaster. <i>Science</i> , <b>2003</b> , 302, 1727-36 33.3  Vital genes in the heterochromatin of chromosomes 2 and 3 of Drosophila melanogaster. <b>2003</b> , 117, 209-15	1914
<i></i>	Vital genes in the heterochromatin of chromosomes 2 and 3 of Drosophila melanogaster. <b>2003</b> ,	, ,
1056	Vital genes in the heterochromatin of chromosomes 2 and 3 of Drosophila melanogaster. 2003, 117, 209-15  Molecular evolution of nucleoside diphosphate kinase genes: conserved core structures and multiple-layered regulatory regions. 2003, 35, 7-18	18
1056	Vital genes in the heterochromatin of chromosomes 2 and 3 of Drosophila melanogaster. 2003, 117, 209-15  Molecular evolution of nucleoside diphosphate kinase genes: conserved core structures and multiple-layered regulatory regions. 2003, 35, 7-18	18
1056 1055 1054	Vital genes in the heterochromatin of chromosomes 2 and 3 of Drosophila melanogaster. 2003, 117, 209-15  Molecular evolution of nucleoside diphosphate kinase genes: conserved core structures and multiple-layered regulatory regions. 2003, 35, 7-18  Origin of New Genes: Evidence from Experimental and Computational Analyses. 2003, 118, 171-182	18 19 46
1056 1055 1054 1053	Vital genes in the heterochromatin of chromosomes 2 and 3 of Drosophila melanogaster. 2003, 117, 209-15  Molecular evolution of nucleoside diphosphate kinase genes: conserved core structures and multiple-layered regulatory regions. 2003, 35, 7-18  Origin of New Genes: Evidence from Experimental and Computational Analyses. 2003, 118, 171-182  Modular Assembly of Genes and the Evolution of New Functions. 2003, 118, 217-231	18 19 46 112
1056 1055 1054 1053 1052	Vital genes in the heterochromatin of chromosomes 2 and 3 of Drosophila melanogaster. 2003, 117, 209-15  Molecular evolution of nucleoside diphosphate kinase genes: conserved core structures and multiple-layered regulatory regions. 2003, 35, 7-18  Origin of New Genes: Evidence from Experimental and Computational Analyses. 2003, 118, 171-182  Modular Assembly of Genes and the Evolution of New Functions. 2003, 118, 217-231  The Informational Concept of Searching for Periodicity in Symbol Sequences. 2003, 37, 372-386	18 19 46 112

1048	Dissecting mitosis by RNAi in Drosophila tissue culture cells. <b>2003</b> , 5, 153-161	32
1047	Crawling into a new era-the Dictyostelium genome project. <b>2003</b> , 22, 1941-6	27
1046	Nonsense-mediated mRNA decay in Drosophila: at the intersection of the yeast and mammalian pathways. <b>2003</b> , 22, 3960-70	216
1045	Heterochromatin, Position Effect, and Genetic Silencing. <b>2003</b> , 39, 133-146	8
1044	The Unusual Transposable Element Penelope and Its Behavior in Distant Drosophila Species. <b>2003</b> , 39, 207-215	
1043	Agricultural Genomics: An Approach to Plant Protection. <b>2003</b> , 109, 101-108	7
1042	Introns in, introns out in plant gene families: a genomic approach of the dynamics of gene structure. <b>2003</b> , 3, 111-116	66
1041	Nuclear receptors are markers of animal genome evolution. <b>2003</b> , 3, 177-184	28
1040	More genes in vertebrates?. <b>2003</b> , 3, 75-84	46
1039	Y chromosome and other heterochromatic sequences of the Drosophila melanogaster genome: how far can we go?. <b>2003</b> , 117, 227-37	39
1038	A strategy for mapping the heterochromatin of chromosome 2 of Drosophila melanogaster. <b>2003</b> , 117, 217-26	14
1037	Structure, regulation and evolution of the crystal-Stellate system of Drosophila. 2003, 117, 247-57	15
1036	DNA, Gene Structure, and DNA Replication. <b>2003</b> , 3-27	
1035	Revamp a model-status and prospects of the Dictyostelium genome project. <b>2003</b> , 44, 59-72	13
1034	Telomerase-independent mechanisms of telomere elongation. <b>2003</b> , 60, 2325-33	40
1033	The PRAT purine synthesis gene duplication in Drosophila melanogaster and Drosophila virilis is associated with a retrotransposition event and diversification of expression patterns. <b>2003</b> , 56, 630-42	12
1032	Bayesian analysis suggests that most amino acid replacements in Drosophila are driven by positive selection. <b>2003</b> , 57 Suppl 1, S154-64	104
1031	Specificity of cellular expression of C. variopedatus polychaete innexin in the developing embryo: evolutionary aspects of innexins' heterogeneous gene structures. <b>2003</b> , 57 Suppl 1, S165-73	7

1030 Selection conflicts, gene expression, and codon usage trends in yeast. <b>2003</b> , 57, 98-109	50
1029 Strand compositional asymmetries of nuclear DNA in eukaryotes. <b>2003</b> , 57, 325-34	18
1028 A nested alpha-amylase gene in Drosophila ananassae. <b>2003</b> , 57, 355-62	8
The evolution of parasite recognition genes in the innate immune system: purifying selection on Drosophila melanogaster peptidoglycan recognition proteins. <b>2003</b> , 57, 598-605	45
PepPat, a pattern-based oligopeptide homology search method and the identification of a novel tachykinin-like peptide. <b>2003</b> , 14, 341-9	16
1025 Odor-guided behavior in Drosophila requires calreticulin. <b>2003</b> , 189, 471-83	27
1024 FISH analysis of Drosophila melanogaster heterochromatin using BACs and P elements. <b>2003</b> , 112, 26-37	24
A genomewide survey of developmentally relevant genes in Ciona intestinalis. IV. Genes for HMG transcriptional regulators, bZip and GATA/Gli/Zic/Snail. <b>2003</b> , 213, 245-53	65
1022 Identification of the Drosophila melanogaster homolog of the human spastin gene. <b>2003</b> , 213, 412-5	16
The clot gene of Drosophila melanogaster encodes a conserved member of the thioredoxin-like protein superfamily. <b>2003</b> , 268, 692-7	21
Construction of a BAC library and generation of BAC end sequence-tagged connectors for genome sequencing of the African malaria mosquito Anopheles gambiae. <b>2003</b> , 268, 720-8	25
Spatiotemporal calcium signaling in a Drosophila melanogaster cell line stably expressing a Drosophila muscarinic acetylcholine receptor. <b>2003</b> , 5, 19-28	14
Posttranscriptional gene silencing is not compromised in the Arabidopsis CARPEL FACTORY (DICER-LIKE1) mutant, a homolog of Dicer-1 from Drosophila. <b>2003</b> , 13, 236-40	130
1017 Gene enrichment in plant genomic shotgun libraries. <b>2003</b> , 6, 150-6	31
1016 Comparison of genes among cereals. <b>2003</b> , 6, 121-7	32
1015 The mosquito genomea turning point?. <b>2003</b> , 19, 329-31	2
1014 Malaria parasite and vector genomes: partners in crime. <b>2003</b> , 19, 356-62	7
1013 Proteomic approaches for generating comprehensive protein interaction maps. <b>2003</b> , 2, 85-92	5

1012 Neurospora Crassa has Twice the Genes of Schizosaccharomyces Pombe. 2003, 107, 1011

Presence of a single abundant storage hexamerin in both larvae and adults of the grasshopper,  Schistocerca americana. <b>2003</b> , 49, 1189-97	9
1010 Integrating 'omic' information: a bridge between genomics and systems biology. <b>2003</b> , 19, 551-60	363
1009 The COG database: an updated version includes eukaryotes. <b>2003</b> , 4, 41	3212
Molecular phylogeny of the kelch-repeat superfamily reveals an expansion of BTB/kelch proteins in animals. <b>2003</b> , 4, 42	126
Genomic characterization of a repetitive motif strongly associated with developmental genes in Drosophila. <b>2003</b> , 4, 52	4
Intraflagellar transport is required in Drosophila to differentiate sensory cilia but not sperm. <b>2003</b> , 13, 1679-86	177
The Sac1 lipid phosphatase regulates cell shape change and the JNK cascade during dorsal closure in Drosophila. <b>2003</b> , 13, 1882-7	37
Molecular cloning of PP2Ceta, a novel member of the protein phosphatase 2C family. <b>2003</b> , 1630, 130-7	17
1003 The Drosophila kinesin-I associated protein YETI binds both kinesin subunits. <b>2003</b> , 95, 595-602	8
1002 Metabotropic histamine receptorsnothing for invertebrates?. <b>2003</b> , 466, 85-90	35
Analysis of differential gene expression in Echinococcus multilocularis larval stages by means of spliced leader differential display. <b>2003</b> , 33, 1145-59	57
1000 Model systems in drug discovery: chemical genetics meets genomics. <b>2003</b> , 99, 183-220	37
Storage proteins in vespid wasps: characterization, developmental pattern, and occurrence in adults. <b>2003</b> , 49, 785-94	53
998 Isolation of a Drosophila melanogaster desiccation resistant mutant. <b>2003</b> , 49, 1013-20	7
Protein evolution: structure-function relationships of the oncogene beta-catenin in the evolution of multicellular animals. <b>2003</b> , 295, 25-44	50
996 Genetic analysis of the circadian system in Drosophila melanogaster and mammals. <b>2003</b> , 54, 111-47	190
995 Invertebrate models of drug abuse. <b>2003</b> , 54, 161-78	162

994	Molecular characterization, functional expression, and developmental profile of an ether <code>go-go</code> K+ channel in the tobacco hornworm Manduca sexta. <b>2003</b> , 55, 73-85	6
993	Gain-of-function screen identifies a role of the Src64 oncogene in Drosophila mushroom body development. <b>2003</b> , 57, 291-302	40
992	Mapping functional associations in the entire genome of Drosophila melanogaster using fusion analysis. <b>2003</b> , 4, 337-41	3
991	Induction of P450 monooxygenases in the German cockroach, Blattella germanica L. <b>2003</b> , 53, 119-24	12
990	Molecular cloning and characterization of a cDNA encoding cytochrome c oxidase subunit Va from the lesser grain borer, Rhyzopertha dominica (F.) (Coleoptera: Bostrichidae). <b>2003</b> , 54, 47-54	1
989	Searching for sleep mutants of Drosophila melanogaster. <b>2003</b> , 25, 940-9	50
988	Mutation load, functional overlap, and synthetic lethality in the evolution and treatment of cancer. <b>2003</b> , 223, 205-13	18
987	Adaptation of Drosophila to temperature extremes: bringing together quantitative and molecular approaches. <b>2003</b> , 28, 175-216	763
986	Information decomposition method to analyze symbolical sequences. 2003, 312, 198-210	41
985	Can the current molecular arsenal adequately track rapid divergence events within Simuliidae (Diptera)?. <b>2003</b> , 27, 45-57	22
984	Sequence-based alignment of sorghum chromosome 3 and rice chromosome 1 reveals extensive conservation of gene order and one major chromosomal rearrangement. <b>2003</b> , 34, 605-21	49
983	Functional characterization of Drosophila melanogaster PERK eukaryotic initiation factor 2alpha (eIF2alpha) kinase. <b>2003</b> , 270, 293-306	27
982	Characterization of a functionally expressed dipeptidyl aminopeptidase III from Drosophila melanogaster. <b>2003</b> , 270, 3074-82	24
981	Thioredoxin reductase from the malaria mosquito Anopheles gambiae. <b>2003</b> , 270, 4272-81	37
980	The Drosophila forkhead transcription factor FOXO mediates the reduction in cell number associated with reduced insulin signaling. <b>2003</b> , 2, 20	420
979	RNAi and the shape of things to come. <b>2003</b> , 2, 23	2
978	A functional genomic analysis of cell morphology using RNA interference. <b>2003</b> , 2, 27	338
977	Functional analysis of a G protein-coupled receptor from the southern cattle tick Boophilus microplus (Acari: Ixodidae) identifies it as the first arthropod myokinin receptor. <b>2003</b> , 12, 27-38	48

# (2003-2003)

976	Expression of an Aedes aegypti cation-chloride cotransporter and its Drosophila homologues. <b>2003</b> , 12, 319-31	19
975	Fat body expressed yolk protein genes in Hyphantria cunea are related to the YP4 follicular epithelium yolk protein subunit gene of pyralid moths. <b>2003</b> , 12, 383-92	5
974	Transcriptome analysis of the cowpea weevil bruchid: identification of putative proteinases and alpha-amylases associated with food breakdown. <b>2003</b> , 12, 405-12	33
973	A mammalian-like lipase gene is expressed in the female reproductive accessory glands of the sand fly Phlebotomus papatasi (Diptera, Psychodidae). <b>2003</b> , 12, 501-8	19
972	Clines and adaptive evolution in the methuselah gene region in Drosophila melanogaster. 2003, 12, 1277-85	26
971	MsGC-II, a receptor guanylyl cyclase isolated from the CNS of Manduca sexta that is inhibited by calcium. <b>2003</b> , 84, 363-72	13
970	Post-transcriptional suppression of pathogenic prion protein expression in Drosophila neurons. <b>2003</b> , 85, 1614-23	18
969	Expression of a novel neuropeptide, NVGTLARDFQLPIPNamide, in the larval and adult brain of Drosophila melanogaster. <b>2004</b> , 88, 311-9	37
968	Microarray analysis of embryonic retinoic acid target genes in the ascidian Ciona intestinalis. <b>2003</b> , 45, 249-59	25
96 <del>7</del>	Identification of a gene encoding a typical gamma-carboxyglutamic acid domain in the tunicate Halocynthia roretzi. <b>2003</b> , 1, 118-23	17
966	Functional characterization of a neuropeptide F-like receptor from Drosophila melanogaster. <b>2003</b> , 18, 227-38	84
965	Drosophila S2 cells: an alternative infection model for Listeria monocytogenes. <b>2003</b> , 5, 875-85	78
964	Dissecting plant secondary metabolism - constitutive chemical defences in cereals. 2003, 159, 101-108	77
963	Rapid changes in clonal lines: the death of a ⊠acred cow□ <b>2003</b> , 79, 3-16	105
962	Expression of the Hsp23 chaperone during Drosophila embryogenesis: association to distinct neural and glial lineages. <b>2003</b> , 3, 9	28
961	Approaches for the quantification of protein concentration ratios. <b>2003</b> , 3, 2208-20	71
960	Characterisation of distant Alstrogmeria hybrids: application of highly repetitive DNA sequences from A. ligtu ssp. ligtu. <b>2003</b> , 142, 277-283	12
959	Analysis of Chlamydomonas reinhardtii genome structure using large-scale sequencing of regions on linkage groups I and III. <b>2003</b> , 50, 145-55	21

958	The role of alpha-synuclein in Parkinson's disease: insights from animal models. 2003, 4, 727-38	278
957	Systematic functional analysis of the Caenorhabditis elegans genome using RNAi. 2003, 421, 231-7	2758
956	Moesin functions antagonistically to the Rho pathway to maintain epithelial integrity. 2003, 421, 83-7	205
955	The male-specific region of the human Y chromosome is a mosaic of discrete sequence classes. <b>2003</b> , 423, 825-37	1558
954	A TRPV family ion channel required for hearing in Drosophila. 2003, 424, 81-4	317
953	Transcription regulation and animal diversity. <b>2003</b> , 424, 147-51	952
952	Control of triglyceride storage by a WD40/TPR-domain protein. <b>2003</b> , 4, 511-6	59
951	Tertiary trisomics in the garden pea as a model of B chromosome evolution in plants. <b>2003</b> , 91, 577-83	17
950	Genome sequencing: Revelations from a bread mould. <b>2003</b> , 422, 821-2	12
949	Evidence for an epigenetic mechanism by which Hsp90 acts as a capacitor for morphological evolution. <b>2003</b> , 33, 70-4	321
948	Bioinformatics in the post-sequence era. <b>2003</b> , 33 Suppl, 305-10	128
947	Massive parallelism, randomness and genomic advances. <b>2003</b> , 33 Suppl, 219-27	58
946	Tailoring the genome: the power of genetic approaches. 2003, 33 Suppl, 276-84	62
945	Adaptation shapes patterns of genome evolution on sexual and asexual chromosomes in Drosophila. <b>2003</b> , 34, 215-9	80
944	Transcriptome analysis of the acoelomate human parasite Schistosoma mansoni. 2003, 35, 148-57	397
943	Innovations: applications of insect transgenesis. <b>2003</b> , 4, 225-32	63
942	The ascidian tadpole larva: comparative molecular development and genomics. 2003, 4, 285-95	188
941	Comparative genomics: genome-wide analysis in metazoan eukaryotes. <b>2003</b> , 4, 251-62	172

## (2003-2003)

940	New technologies to assess genotype-phenotype relationships. <b>2003</b> , 4, 309-14	177
939	Glycosylation regulates Notch signalling. <b>2003</b> , 4, 786-97	465
938	Ras GTPases: integrins' friends or foes?. <b>2003</b> , 4, 767-76	187
937	Vector space classification of DNA sequences. <b>2003</b> , 223, 161-9	10
936	Stochasticity overrules the "three-times rule": genetic drift, genetic draft, and coalescence times for nuclear loci versus mitochondrial DNA. <b>2003</b> , 57, 182-90	267
935	Low occurrence of gene transposition events during the evolution of the genus Drosophila. <b>2003</b> , 57, 1325-35	39
934	Application of microarray technology in environmental and comparative physiology. <b>2003</b> , 65, 231-59	141
933	Molecular genetics in the pediatric intensive care unit. <b>2003</b> , 19, 577-94	14
932	Solution structure of a chemosensory protein from the moth Mamestra brassicae. <b>2003</b> , 369, 39-44	51
931	The chromosomes of Drosophila melanogaster. <b>2004</b> , 247, 1-43	1
931	The chromosomes of Drosophila melanogaster. <b>2004</b> , 247, 1-43  giant nuclei is essential in the cell cycle transition from meiosis to mitosis. <b>2003</b> , 130, 2997-3005	24
930	giant nuclei is essential in the cell cycle transition from meiosis to mitosis. <b>2003</b> , 130, 2997-3005  Functional convergence of invertebrate and vertebrate cytokine-like molecules based on a similar	24
930	giant nuclei is essential in the cell cycle transition from meiosis to mitosis. <b>2003</b> , 130, 2997-3005  Functional convergence of invertebrate and vertebrate cytokine-like molecules based on a similar lectin-like activity. <b>2004</b> , 34, 145-63  Molecular paleontology of transposable elements in the Drosophila melanogaster genome. <b>2003</b> ,	24
930 929 928	giant nuclei is essential in the cell cycle transition from meiosis to mitosis. 2003, 130, 2997-3005  Functional convergence of invertebrate and vertebrate cytokine-like molecules based on a similar lectin-like activity. 2004, 34, 145-63  Molecular paleontology of transposable elements in the Drosophila melanogaster genome. 2003, 100, 6569-74	24 24 216
930 929 928 927	giant nuclei is essential in the cell cycle transition from meiosis to mitosis. 2003, 130, 2997-3005  Functional convergence of invertebrate and vertebrate cytokine-like molecules based on a similar lectin-like activity. 2004, 34, 145-63  Molecular paleontology of transposable elements in the Drosophila melanogaster genome. 2003, 100, 6569-74  Sequence analysis of a rainbow trout cDNA library and creation of a gene index. 2003, 102, 347-54	24 24 216
930 929 928 927 926	giant nuclei is essential in the cell cycle transition from meiosis to mitosis. 2003, 130, 2997-3005  Functional convergence of invertebrate and vertebrate cytokine-like molecules based on a similar lectin-like activity. 2004, 34, 145-63  Molecular paleontology of transposable elements in the Drosophila melanogaster genome. 2003, 100, 6569-74  Sequence analysis of a rainbow trout cDNA library and creation of a gene index. 2003, 102, 347-54  Detection and visualization of tandem repeats in DNA sequences. 2003, 51, 2280-2287	24 24 216

922	Genome-wide profile of oxidoreductases in viruses, prokaryotes, and eukaryotes. 2003, 2, 626-32	7
921	Identification of pseudogenes in the Drosophila melanogaster genome. <b>2003</b> , 31, 1033-7	72
920	The calpain system. <b>2003</b> , 83, 731-801	2232
919	Micellar electrokinetic capillary chromatography-electrochemical detection for analysis of biogenic amines in Drosophila melanogaster. <b>2003</b> , 75, 3972-8	39
918	Essential roles for the Dhr78 orphan nuclear receptor during molting of the Drosophila tracheal system. <b>2003</b> , 33, 1201-9	12
917	CREB isoform represses yolk protein gene expression in the mosquito fat body. <b>2003</b> , 210, 39-49	9
916	Genomics, evolution and biological functions of the pacifastin peptide family: a conserved serine protease inhibitor family in arthropods. <b>2003</b> , 24, 1633-44	34
915	Insect allatotropins belong to a family of structurally-related myoactive peptides present in several invertebrate phyla. <b>2003</b> , 24, 1623-32	92
914	Peptide profiling of a single Locusta migratoria corpus cardiacum by nano-LC tandem mass spectrometry. <b>2003</b> , 24, 1475-85	14
913	Molecular cloning and characterization of an intestinal cathepsin L protease from the plant-parasitic nematode Meloidogyne incognita. <b>2003</b> , 63, 159-165	30
912	Heat shock proteins and aging in Drosophila melanogaster. <b>2003</b> , 14, 291-9	79
911	Mammalian molybdo-flavoenzymes, an expanding family of proteins: structure, genetics, regulation, function and pathophysiology. <b>2003</b> , 372, 15-32	194
910	Comparisons with Caenorhabditis (approximately 100 Mb) and Drosophila (approximately 175 Mb) using flow cytometry show genome size in Arabidopsis to be approximately 157 Mb and thus approximately 25% larger than the Arabidopsis genome initiative estimate of approximately 125 Mb. 2003, 91, 547-57	316
909	In situ analysis of gene expression in Xenopus embryos. <b>2003</b> , 326, 1011-7	9
908	Molecular cloning, functional expression, and gene silencing of two Drosophila receptors for the Drosophila neuropeptide pyrokinin-2. <b>2003</b> , 309, 485-94	73
907	Drosophila melanogaster larval hemolymph protein mapping. <b>2003</b> , 312, 545-54	42
906	Acquisition of retinoic acid signaling pathway and innovation of the chordate body plan. 2003, 20, 809-18	37
905	Nematoda: genes, genomes and the evolution of parasitism. <b>2003</b> , 54, 101-95	72

904	found in neurons, a third member of the Drosophila elav gene family, encodes a neuronal protein and interacts with elav. <b>2003</b> , 120, 373-83	34
903	MYB and CBP: physiological relevance of a biochemical interaction. <b>2003</b> , 120, 711-20	12
902	The importance of genetic recombination for fidelity of chromosome pairing in meiosis. <b>2003</b> , 5, 915-25	113
901	Characterisation of Drosophila thrombospondin defines an early origin of pentameric thrombospondins. <b>2003</b> , 328, 479-94	54
900	New local potential useful for genome annotation and 3D modeling. 2003, 332, 835-50	3
899	Sequence anatomy of mitochondrial anion carriers. <b>2003</b> , 534, 15-25	25
898	Characterization of a novel Drosophila melanogaster acylphosphatase. 2003, 535, 171-4	13
897	A novel protein phosphatase 2C family member (PP2Czeta) is able to associate with ubiquitin conjugating enzyme 9. <b>2003</b> , 538, 197-202	15
896	Boca, an endoplasmic reticulum protein required for wingless signaling and trafficking of LDL receptor family members in Drosophila. <b>2003</b> , 112, 343-54	125
895	painless, a Drosophila gene essential for nociception. <b>2003</b> , 113, 261-73	555
894	Control of myoblast fusion by a guanine nucleotide exchange factor, loner, and its effector ARF6. <b>2003</b> , 114, 751-62	140
893	Male specific expression of a cytochrome P450 (Cyp312a1) in Drosophila melanogaster. <b>2003</b> , 300, 894-900	26
892	The role of maternal and zygotic Gprk2 expression in Drosophila development. 2003, 301, 127-35	6
891	Global insights into protein complexes through integrated analysis of the reliable interactome and knockout lethality. <b>2003</b> , 301, 633-40	1
890	Hemocytes of Ciona intestinalis express multiple genes involved in innate immune host defense. <b>2003</b> , 302, 207-18	48
889	Molecular identification of a Drosophila G protein-coupled receptor specific for crustacean cardioactive peptide. <b>2003</b> , 303, 146-52	52
888	Molecular cloning and RNA expression of a novel Drosophila calpain, Calpain C. 2003, 303, 343-9	14
887	House fly cytochrome b5 exhibits kinetically trapped hemin and selectivity in hemin binding. <b>2003</b> , 305, 840-5	8

886	Molecular identification of the first insect proctolin receptor. <b>2003</b> , 306, 437-42	31
885	Neuropeptidomic analysis of the brain and thoracic ganglion from the Jonah crab, Cancer borealis. <b>2003</b> , 308, 535-44	116
884	Part I: parkin-associated proteins and Parkinson's disease. <b>2003</b> , 45, 1-13	60
883	The Drosophila IgC2 domain protein Friend-of-Echinoid, a paralogue of Echinoid, limits the number of sensory organ precursors in the wing disc and interacts with the Notch signaling pathway. <b>2003</b> , 256, 302-16	18
882	Conservation of the heterochronic regulator Lin-28, its developmental expression and microRNA complementary sites. <b>2003</b> , 258, 432-42	247
881	The hernandez and fernandez genes of Drosophila specify eye and antenna. <b>2003</b> , 260, 465-83	31
880	Embryonic enhancers in the dpp disk region regulate a second round of Dpp signaling from the dorsal ectoderm to the mesoderm that represses Zfh-1 expression in a subset of pericardial cells. <b>2003</b> , 262, 137-51	15
879	The minimum LOH region defined on chromosome 17p13.3 in human hepatocellular carcinoma with gene content analysis. <b>2003</b> , 190, 221-32	32
878	Can you bank on GenBank?. <b>2003</b> , 18, 317-319	148
877	Acoustic communication in Drosophila. <b>2003</b> , 64, 197-210	76
8 <sub>77</sub> 8 <sub>7</sub> 6	Acoustic communication in Drosophila. 2003, 64, 197-210  Molecular and phylogenetic characterization of Zyx102, a Drosophila orthologue of the zyxin family that interacts with Drosophila Enabled. 2003, 305, 13-26	76 15
	Molecular and phylogenetic characterization of Zyx102, a Drosophila orthologue of the zyxin family	
876	Molecular and phylogenetic characterization of Zyx102, a Drosophila orthologue of the zyxin family that interacts with Drosophila Enabled. <b>2003</b> , 305, 13-26  Serine proteases and their homologs in the Drosophila melanogaster genome: an initial analysis of	15
8 <sub>7</sub> 6	Molecular and phylogenetic characterization of Zyx102, a Drosophila orthologue of the zyxin family that interacts with Drosophila Enabled. 2003, 305, 13-26  Serine proteases and their homologs in the Drosophila melanogaster genome: an initial analysis of sequence conservation and phylogenetic relationships. 2003, 304, 117-31  Primary structure and compartmentalization of Drosophila melanogaster host cell factor. 2003,	15 259
876 875 874	Molecular and phylogenetic characterization of Zyx102, a Drosophila orthologue of the zyxin family that interacts with Drosophila Enabled. 2003, 305, 13-26  Serine proteases and their homologs in the Drosophila melanogaster genome: an initial analysis of sequence conservation and phylogenetic relationships. 2003, 304, 117-31  Primary structure and compartmentalization of Drosophila melanogaster host cell factor. 2003, 305, 175-83  Molecular cloning of flounder Xp18, a newly identified highly conserved protein mainly expressed	15 259 6
876 875 874 873	Molecular and phylogenetic characterization of Zyx102, a Drosophila orthologue of the zyxin family that interacts with Drosophila Enabled. 2003, 305, 13-26  Serine proteases and their homologs in the Drosophila melanogaster genome: an initial analysis of sequence conservation and phylogenetic relationships. 2003, 304, 117-31  Primary structure and compartmentalization of Drosophila melanogaster host cell factor. 2003, 305, 175-83  Molecular cloning of flounder Xp18, a newly identified highly conserved protein mainly expressed in the ovary. 2003, 307, 13-21  Drosophila lola encodes a family of BTB-transcription regulators with highly variable C-terminal	15 259 6
876 875 874 873 872	Molecular and phylogenetic characterization of Zyx102, a Drosophila orthologue of the zyxin family that interacts with Drosophila Enabled. 2003, 305, 13-26  Serine proteases and their homologs in the Drosophila melanogaster genome: an initial analysis of sequence conservation and phylogenetic relationships. 2003, 304, 117-31  Primary structure and compartmentalization of Drosophila melanogaster host cell factor. 2003, 305, 175-83  Molecular cloning of flounder Xp18, a newly identified highly conserved protein mainly expressed in the ovary. 2003, 307, 13-21  Drosophila lola encodes a family of BTB-transcription regulators with highly variable C-terminal domains containing zinc finger motifs. 2003, 311, 59-69	15 259 6 3 28

868	Surrogate hosts: protozoa and invertebrates as models for studying pathogen-host interactions. <b>2003</b> , 293, 321-32	31
867	Tumour suppressorsa fly's perspective. <b>2003</b> , 39, 1355-62	18
866	Making a better RNAi vector for Drosophila: use of intron spacers. <b>2003</b> , 30, 322-9	275
865	Protein crystallization by capillary counterdiffusion for applied crystallographic structure determination. <b>2003</b> , 142, 218-31	108
864	Molecular phylogeny within type I cytokines and their cognate receptors. <b>2003</b> , 19, 159-63	206
863	cDNA cloning of a defender against apoptotic cell death 1 (DAD1) homologue, responsive to external temperature stimulus from the spider, Araneus ventricosus. <b>2003</b> , 135, 117-117	1
862	Computational and experimental identification of C. elegans microRNAs. 2003, 11, 1253-63	265
861	Drosophila matrix metalloproteinases are required for tissue remodeling, but not embryonic development. <b>2003</b> , 4, 95-106	192
860	Tissue-specific gene expression and ecdysone-regulated genomic networks in Drosophila. <b>2003</b> , 5, 59-72	165
859	Control of cleavage cycles in Drosophila embryos by frfistart. <b>2003</b> , 5, 285-94	49
858	Numb inhibits membrane localization of Sanpodo, a four-pass transmembrane protein, to promote asymmetric divisions in Drosophila. <b>2003</b> , 5, 231-43	128
857	Molecular cloning, expression and isolation of ferritins from two tick speciesOrnithodoros moubata and Ixodes ricinus. <b>2003</b> , 33, 103-13	52
856	Identification of an immuno-protective mucin-like protein, peritrophin-55, from the peritrophic matrix of Lucilia cuprina larvae. <b>2003</b> , 33, 239-52	32
855	The house fly aliesterase gene (MdalphaE7) is not associated with insecticide resistance or P450 expression in three strains of house fly. <b>2003</b> , 33, 139-44	13
854	The histone-like C-terminal extension in ribosomal protein S6 in Aedes and Anopheles mosquitoes is encoded within the distal portion of exon 3. <b>2003</b> , 33, 901-10	9
853	Evidence for the widespread coupling of alternative splicing and nonsense-mediated mRNA decay in humans. <b>2003</b> , 100, 189-92	768
852	Genomics in pure and applied entomology. <b>2003</b> , 48, 235-60	35
851	Signaling pathways and physiological functions of Drosophila melanogaster FMRFamide-related peptides. <b>2003</b> , 48, 485-503	88

850	Molecular systematics of Anopheles: from subgenera to subpopulations. 2003, 48, 111-39	125
849	Construction of a cDNA-based microarray for Drosophila melanogaster: a comparison of gene transcription profiles from SL2 and Kc167 cells. <b>2003</b> , 46, 879-92	29
848	DAF-16 target genes that control C. elegans life-span and metabolism. <i>Science</i> , <b>2003</b> , 300, 644-7	530
847	Handbook of Industrial Cell Culture. 2003,	1
846	The nuclear receptor superfamily. <b>2003</b> , 116, 585-6	344
845	Techniques to dissect cellular and subcellular function in the Drosophila nervous system. <b>2003</b> , 71, 195-265	6
844	Proteomics. 351-370	
843	How many genes in a genome?. <b>2003</b> , 5, 204	6
842	An integrated gene annotation and transcriptional profiling approach towards the full gene content of the Drosophila genome. <b>2003</b> , 5, R3	98
841	Caste- and development-associated gene expression in a lower termite. <b>2003</b> , 4, R62	100
840	Comparison of K+-channel genes within the genomes of Anopheles gambiae and Drosophila melanogaster. <b>2003</b> , 4, R58	10
839	Reinvestigation of the Saccharomyces cerevisiae genome annotation by comparison to the genome of a related fungus: Ashbya gossypii. <b>2003</b> , 4, R45	91
838	A method to assess compositional bias in biological sequences and its application to prion-like glutamine/asparagine-rich domains in eukaryotic proteomes. <b>2003</b> , 4, R40	111
837	Analysis and functional classification of transcripts from the nematode Meloidogyne incognita. <b>2003</b> , 4, R26	116
836	Impressive expressions: developing a systematic database of gene-expression patterns in Drosophila embryogenesis. <b>2003</b> , 4, 205	22
835	DNA replication: telling time with microarrays. <b>2003</b> , 4, 204	6
834	A search for doxycycline-dependent mutations that increase Drosophila melanogaster life span identifies the VhaSFD, Sugar baby, filamin, fwd and Cctl genes. <b>2003</b> , 4, R8	42
833	G protein-coupled receptors in invertebrates: a state of the art. <b>2003</b> , 230, 189-261	36

832	Interaction between elongation factors 1beta and 1gamma from Bombyx mori silk gland. <b>2003</b> , 67, 1522-9	7
831	Molecular evolution of the insect chemoreceptor gene superfamily in Drosophila melanogaster. <b>2003</b> , 100 Suppl 2, 14537-42	561
830	Drosophila Cytogenetics Protocols. <b>2003</b> ,	2
829	Analysis of 148 kb of genomic DNA of Tetraodon nigroviridis covering an amylase gene family. <b>2003</b> , 14, 1-13	12
828	Genome-wide identification of in vivo Drosophila Engrailed-binding DNA fragments and related target genes. <b>2003</b> , 130, 1243-54	38
827	Moth chemosensory protein exhibits drastic conformational changes and cooperativity on ligand binding. <b>2003</b> , 100, 5069-74	115
826	A developmentally regulated splice variant from the complex lola locus encoding multiple different zinc finger domain proteins interacts with the chromosomal kinase JIL-1. <b>2003</b> , 278, 11696-704	22
825	Two Pax genes, eye gone and eyeless, act cooperatively in promoting Drosophila eye development. <b>2003</b> , 130, 2939-51	103
824	The genetic basis of cellular morphogenesis in the filamentous fungus Neurospora crassa. <b>2003</b> , 14, 4352-64	161
823	Gene expression changes presage neurodegeneration in a Drosophila model of Parkinson's disease. <b>2003</b> , 12, 2457-66	102
822	Evolutionary rearrangement of the amylase genomic regions between Drosophila melanogaster and Drosophila pseudoobscura. <b>2003</b> , 94, 464-71	2
821	Assessing the Drosophila melanogaster and Anopheles gambiae genome annotations using genome-wide sequence comparisons. <b>2003</b> , 13, 1595-9	6
820	In vivo protein trapping in Drosophila. <b>2003</b> , 2, 137-41	5
819	Two subtypes of ecdysis-triggering hormone receptor in Drosophila melanogaster. <b>2003</b> , 278, 17710-5	71
818	COP9 signalosome subunit 3 is essential for maintenance of cell proliferation in the mouse embryonic epiblast. <b>2003</b> , 23, 6798-808	83
817	Specific SR protein-dependent splicing substrates identified through genomic SELEX. <b>2003</b> , 31, 1955-61	54
816	The phylogenetic diversity of eukaryotic transcription. <b>2003</b> , 31, 653-60	36
815	Loss of HR6B ubiquitin-conjugating activity results in damaged synaptonemal complex structure and increased crossing-over frequency during the male meiotic prophase. <b>2003</b> , 23, 1151-62	87

814	Sequence analysis of a functional Drosophila centromere. <b>2003</b> , 13, 182-94	144
813	Assessment of genome-wide protein function classification for Drosophila melanogaster. <b>2003</b> , 13, 2118-28	35
812	Perlecan and tumor angiogenesis. <b>2003</b> , 51, 1393-410	110
811	LOW OCCURRENCE OF GENE TRANSPOSITION EVENTS DURING THE EVOLUTION OF THE GENUS DROSOPHILA. <b>2003</b> , 57, 1325	10
810	Computational discovery of internal micro-exons. <b>2003</b> , 13, 1216-21	51
809	Genomic analysis in the sting-2 quantitative trait locus for defensive behavior in the honey bee, Apis mellifera. <b>2003</b> , 13, 2588-93	18
808	A Hox gene mutation that triggers nonsense-mediated RNA decay and affects alternative splicing during Drosophila development. <b>2003</b> , 31, 3873-80	17
807	The Drosophila trithorax group gene tonalli (tna) interacts genetically with the Brahma remodeling complex and encodes an SP-RING finger protein. <b>2003</b> , 130, 343-54	40
806	Limited microsynteny between the genomes of Pristionchus pacificus and Caenorhabditis elegans. <b>2003</b> , 31, 2553-60	21
805	RNomics in Drosophila melanogaster: identification of 66 candidates for novel non-messenger RNAs. <b>2003</b> , 31, 2495-507	75
804	The Drosophila melanogaster BTB proteins bric 🛭 brac bind DNA through a composite DNA binding domain containing a pipsqueak and an AT-Hook motif. <b>2003</b> , 31, 5389-98	21
803	Discovery of genes with highly restricted expression patterns in the Drosophila wing disc using DNA oligonucleotide microarrays. <b>2003</b> , 130, 659-70	89
802	Maintaining epithelial integrity: a function for gigantic spectraplakin isoforms in adherens junctions. <b>2003</b> , 162, 1305-15	47
801	Development and evaluation of an automated annotation pipeline and cDNA annotation system. <b>2003</b> , 13, 1542-51	24
800	Functional proteomics of the active cysteine protease content in Drosophila S2 cells. 2003, 2, 1188-97	32
799	Extensive exon reshuffling over evolutionary time coupled to trans-splicing in Drosophila. <b>2003</b> , 13, 2220-8	22
798	Identification of farnesoid X receptor beta as a novel mammalian nuclear receptor sensing lanosterol. <b>2003</b> , 23, 864-72	146
797	The kinesin-associated protein UNC-76 is required for axonal transport in the Drosophila nervous system. <b>2003</b> , 14, 3356-65	74

796	Schizosaccharomyces pombe essential genes: a pilot study. <b>2003</b> , 13, 399-406	61
795	Arabidopsis contains a large superfamily of acyl-activating enzymes. Phylogenetic and biochemical analysis reveals a new class of acyl-coenzyme a synthetases. <b>2003</b> , 132, 1065-76	136
794	Identification and characterization of a G protein-coupled receptor for the neuropeptide proctolin in Drosophilamelanogaster. <b>2003</b> , 100, 6198-203	67
793	DmTTF, a novel mitochondrial transcription termination factor that recognises two sequences of Drosophila melanogaster mitochondrial DNA. <b>2003</b> , 31, 1597-604	74
792	Drosophila miniature and dusky encode ZP proteins required for cytoskeletal reorganisation during wing morphogenesis. <b>2003</b> , 116, 1199-207	53
791	Bioinformatics of Nuclear Receptors. <b>2003</b> , 364, 93-118	4
790	The leucine zipper motif of the Drosophila AF10 homologue can inhibit PRE-mediated repression: implications for leukemogenic activity of human MLL-AF10 fusions. <b>2003</b> , 23, 119-30	23
789	A Ral guanine exchange factor-Ral pathway is conserved in Drosophila melanogaster and sheds new light on the connectivity of the Ral, Ras, and Rap pathways. <b>2003</b> , 23, 1112-24	48
788	A 1-megadalton ESC/E(Z) complex from Drosophila that contains polycomblike and RPD3. 2003, 23, 3352-62	116
787	Targeted ablation of CCAP neuropeptide-containing neurons of Drosophila causes specific defects in execution and circadian timing of ecdysis behavior. <b>2003</b> , 130, 2645-56	183
786	A Dnmt2-like protein mediates DNA methylation in Drosophila. <b>2003</b> , 130, 5083-90	172
785	bullwinkle and shark regulate dorsal-appendage morphogenesis in Drosophila oogenesis. <b>2003</b> , 130, 6273-82	33
7 <sup>8</sup> 4	Genetic dissection of trehalose biosynthesis in Corynebacterium glutamicum: inactivation of trehalose production leads to impaired growth and an altered cell wall lipid composition. <b>2003</b> , 149, 1659-1673	79
783	Analysis of the eye developmental pathway in Drosophila using DNA microarrays. 2003, 100, 4024-9	76
782	Protein-DNA interaction mapping using genomic tiling path microarrays in Drosophila. 2003, 100, 9428-33	66
781	The Orphan G protein-coupled receptors GPR41 and GPR43 are activated by propionate and other short chain carboxylic acids. <b>2003</b> , 278, 11312-9	1443
780	ParaDB: a tool for paralogy mapping in vertebrate genomes. <b>2003</b> , 31, 63-7	17
779	Mosquito has a single multisubstrate deoxyribonucleoside kinase characterized by unique substrate specificity. <b>2003</b> , 31, 1665-72	19

778	Comparative analysis of the base biases at the gene terminal portions in seven eukaryote genomes. <b>2003</b> , 31, 5195-201	28
777	Paucity of genes on the Drosophila X chromosome showing male-biased expression. <i>Science</i> , <b>2003</b> , 299, 697-700	447
776	Sequence Evolution Function. 2003,	103
775	gff2aplot: Plotting sequence comparisons. <b>2003</b> , 19, 2477-9	7
774	The Drosophila melanogaster genome sequencing and annotation projects: a status report. <b>2003</b> , 2, 128-34	7
773	Temporal profiles of nuclear receptor gene expression reveal coordinate transcriptional responses during Drosophila development. <b>2003</b> , 17, 2125-37	144
772	Alternative pre-mRNA splicing and neuronal function. <b>2003</b> , 31, 187-216	92
771	DNA hypermethylation in Drosophila melanogaster causes irregular chromosome condensation and dysregulation of epigenetic histone modifications. <b>2003</b> , 23, 2577-86	29
770	Origin of new genes: evidence from experimental and computational analyses. 2003, 171-182	1
769	Control of dendritic development by the Drosophila fragile X-related gene involves the small GTPase Rac1. <b>2003</b> , 130, 5543-52	190
768	The comparative genomics of T-box genes. <b>2003</b> , 2, 224-33	24
768 767	The comparative genomics of T-box genes. <b>2003</b> , 2, 224-33  Transposon Mutagenesis in the Study of Plant Development. <b>2003</b> , 22, 1-35	24
767	Transposon Mutagenesis in the Study of Plant Development. <b>2003</b> , 22, 1-35	27
767 766	Transposon Mutagenesis in the Study of Plant Development. <b>2003</b> , 22, 1-35  Tests for gene clustering. <b>2003</b> , 10, 453-82	<sup>27</sup> 60
767 766 765	Transposon Mutagenesis in the Study of Plant Development. 2003, 22, 1-35  Tests for gene clustering. 2003, 10, 453-82  Varieties of elastic protein in invertebrate muscles. 2003, 435-447  From clone to crystal: maximizing the amount of protein samples for structure determination. 2003	27 60 1
767 766 765 764	Transposon Mutagenesis in the Study of Plant Development. 2003, 22, 1-35  Tests for gene clustering. 2003, 10, 453-82  Varieties of elastic protein in invertebrate muscles. 2003, 435-447  From clone to crystal: maximizing the amount of protein samples for structure determination. 2003, 65, 343-52  Shade is the Drosophila P450 enzyme that mediates the hydroxylation of ecdysone to the steroid	27 60 1

760	Identification of a G protein-coupled receptor for pheromone biosynthesis activating neuropeptide from pheromone glands of the moth Helicoverpa zea. <b>2003</b> , 100, 9721-6	141
759	Islet cell autoantigen of 69 kDa is an arfaptin-related protein associated with the Golgi complex of insulinoma INS-1 cells. <b>2003</b> , 278, 26166-73	27
758	Vege and Mar: two novel hAT MITE families from Drosophila willistoni. <b>2003</b> , 20, 163-7	22
757	Peptidomics in Drosophila melanogaster. <b>2003</b> , 2, 114-20	34
756	Whole-genome comparison of leucine-rich repeat extensins in Arabidopsis and rice. A conserved family of cell wall proteins form a vegetative and a reproductive clade. <b>2003</b> , 131, 1313-26	107
755	Phylogeny and cloning of ion transporters in mosquitoes. <b>2003</b> , 206, 3857-68	38
754	A lipase isolated from the silkworm Bombyx mori shows antiviral activity against nucleopolyhedrovirus. <b>2003</b> , 77, 10725-9	158
753	Mapping Drosophila mutations with molecularly defined P element insertions. 2003, 100, 10860-5	82
752	Tousled-like kinase functions with the chromatin assembly pathway regulating nuclear divisions. <b>2003</b> , 17, 2578-90	70
751	The mammalian protein-protein interaction database and its viewing system that is linked to the main FANTOM2 viewer. <b>2003</b> , 13, 1534-41	18
75°	A Drosophila microsomal triglyceride transfer protein homolog promotes the assembly and secretion of human apolipoprotein B. Implications for human and insect transport and metabolism. <b>2003</b> , 278, 20367-73	50
749	The genome of Nanoarchaeum equitans: insights into early archaeal evolution and derived parasitism. <b>2003</b> , 100, 12984-8	437
748	Proteomics in Drosophila melanogaster. <b>2003</b> , 2, 106-13	4
747	The Drosophila dysfusion basic helix-loop-helix (bHLH)-PAS gene controls tracheal fusion and levels of the trachealess bHLH-PAS protein. <b>2003</b> , 23, 5625-37	50
746	Assessment of SAGE in transcript identification. <b>2003</b> , 13, 1203-15	52
745	Characterizing embryonic gene expression patterns in the mouse using nonredundant sequence-based selection. <b>2003</b> , 13, 2609-20	24
744	Transposable elements as tools for genomics and genetics in Drosophila. 2003, 2, 57-71	87
743	Drosophila microarray platforms. <b>2003</b> , 2, 97-105	10

742	Annotation pattern of ESTs from Spodoptera frugiperda Sf9 cells and analysis of the ribosomal protein genes reveal insect-specific features and unexpectedly low codon usage bias. <b>2003</b> , 19, 2343-50	33
741	Gene annotation: prediction and testing. <b>2003</b> , 4, 69-88	47
740	Nuclear and Extranuclear DNA in Insects. <b>2003</b> , 50-75	
739	The SIN3 deacetylase complex represses genes encoding mitochondrial proteins: implications for the regulation of energy metabolism. <b>2003</b> , 278, 37840-8	65
738	Distribution and serotonin-induced activation of vacuolar-type H+-ATPase in the salivary glands of the blowfly Calliphora vicina. <b>2003</b> , 206, 1867-76	45
737	Biopipe: a flexible framework for protocol-based bioinformatics analysis. <b>2003</b> , 13, 1904-15	45
736	A rapidly evolving MYB-related protein causes species isolation in Drosophila. 2003, 100, 5302-7	220
735	Identification of Drosophila neuropeptide receptors by G protein-coupled receptors-beta-arrestin2 interactions. <b>2003</b> , 278, 52172-8	103
734	STOCHASTICITY OVERRULES THE THREE-TIMES RULETIGENETIC DRIFT, GENETIC DRAFT, AND COALESCENCE TIMES FOR NUCLEAR LOCI VERSUS MITOCHONDRIAL DNA. <b>2003</b> , 57, 182	213
733	Modes and clustering for time-warped gene expression profile data. <b>2003</b> , 19, 1937-44	27
732	Construction of reliable protein-protein interaction networks with a new interaction generality measure. <b>2003</b> , 19, 756-63	91
731	Induction of neuron-specific glycosylation by Tollo/Toll-8, a Drosophila Toll-like receptor expressed in non-neural cells. <b>2003</b> , 130, 1439-48	41
730	Structural heterogeneity and genomic distribution of Drosophila melanogaster LTR-retrotransposons. <b>2003</b> , 20, 401-9	14
729	Cytoskeletal proteins with N-terminal signal peptides: plateins in the ciliate Euplotes define a new family of articulins. <b>2003</b> , 116, 1291-303	14
728	GeneFizz: A web tool to compare genetic (coding/non-coding) and physical (helix/coil) segmentations of DNA sequences. Gene discovery and evolutionary perspectives. <b>2003</b> , 31, 3843-9	17
727	The Drosophila bZIP transcription factor Vrille is involved in hair and cell growth. <b>2003</b> , 130, 3651-62	18
726	The T-box-encoding Dorsocross genes function in amnioserosa development and the patterning of the dorsolateral germ band downstream of Dpp. <b>2003</b> , 130, 3187-204	106
725	Novel natural ligands for Drosophila olfactory receptor neurones. <b>2003</b> , 206, 715-24	142

724	Consequences of nonadaptive alterations in cancer. <b>2003</b> , 14, 2201-5	27
723	Using a pericentromeric interspersed repeat to recapitulate the phylogeny and expansion of human centromeric segmental duplications. <b>2003</b> , 20, 1463-79	31
722	A parallel algorithm for DNA alignment. <b>2003</b> , 9, 10-15	O
721	Genomic sequence and transcriptional profile of the boundary between pericentromeric satellites and genes on human chromosome arm 10p. <b>2003</b> , 13, 159-72	42
720	Extrachromosomal circular DNA of tandemly repeated genomic sequences in Drosophila. 2003, 13, 1133-45	88
719	A new member of the GM130 golgin subfamily is expressed in the optic lobe anlagen of the metamorphosing brain of Manduca sexta. <b>2003</b> , 3, 1-15	
718	Hsp90 and Chromatin: Where is the Link?. <b>2003</b> , 2, 165-167	21
717	Roles of SNARE proteins and synaptotagmin I in synaptic transmission: studies at the Drosophila neuromuscular synapse. <b>2003</b> , 12, 13-30	35
716	Identification and characterization of human Inscuteable gene in silico. 2003, 11, 111	2
715	Analyzing the function of tumor suppressor genes using a Drosophila model. <b>2003</b> , 223, 349-82	13
714	Atypical expansion in mice of the sensory neuron-specific Mrg G protein-coupled receptor family. <b>2003</b> , 100, 10043-8	192
713	Asymmetric sequence divergence of duplicate genes. <b>2003</b> , 13, 2052-8	175
712	Regulation by RNA. <b>2003</b> , 231, 197-258	16
711	The bovine basic pancreatic trypsin inhibitor (Kunitz inhibitor): a milestone protein. <b>2003</b> , 4, 231-51	133
710	Genome Sequencing, Assembly and Gene Prediction in Fungi. <b>2003</b> , 3, 65-81	1
709	Drosophila DEG/ENaC pickpocket genes are expressed in the tracheal system, where they may be involved in liquid clearance. <b>2003</b> , 100, 2128-33	80
708	Regulation of chromatin structure and gene activity by poly(ADP-ribose) polymerases. 2003, 56, 55-83	50
707	Mutational analysis of Drosophila RNA polymerase II. <b>2003</b> , 371, 615-29	

706	Yeast, flies, worms, and fish in the study of human disease. <b>2003</b> , 348, 2457-63	29
705	Psychiatry in the genomics era. <b>2003</b> , 160, 616-20	57
704	Properties and physiological significance of fatty acid binding proteins. <b>2003</b> , 33, 99-122	9
703	Drosophila melanogaster, a genetic model system for alcohol research. <b>2003</b> , 54, 199-228	68
702	1(2)41Aa, a heterochromatic gene of Drosophila melanogaster, is required for mitotic and meiotic chromosome condensation. <b>2003</b> , 81, 15-24	8
701	Neutral effect of recombination on base composition in Drosophila. 2003, 81, 79-87	64
700	Gene Knockout Models. <b>2003</b> , 48-72	
699	Drosophila neuropeptide signaling. <b>2003</b> , 49, 1-65	78
698	Functional In Silico Analysis of Non-Coding SNPs. 273-287	1
697	Understanding the aging fly through physiological genetics. <b>2003</b> , 14, 123-141	2
697 696	Understanding the aging fly through physiological genetics. <b>2003</b> , 14, 123-141  Super models. <b>2003</b> , 13, 15-24	61
696	Super models. <b>2003</b> , 13, 15-24	61
696 695	Super models. 2003, 13, 15-24  Methods to characterize Drosophila nuclear receptor activation and function in vivo. 2003, 364, 475-90	61 8
696 695 694	Super models. 2003, 13, 15-24  Methods to characterize Drosophila nuclear receptor activation and function in vivo. 2003, 364, 475-90  Feulgen-DNA cytophotometry for estimating C values. 2004, 247, 163-201  REC, a new member of the MCM-related protein family, is required for meiotic recombination in	61 8 17
696 695 694	Super models. 2003, 13, 15-24  Methods to characterize Drosophila nuclear receptor activation and function in vivo. 2003, 364, 475-90  Feulgen-DNA cytophotometry for estimating C values. 2004, 247, 163-201  REC, a new member of the MCM-related protein family, is required for meiotic recombination in Drosophila. 2003, 78, 363-71	61 8 17 23
696 695 694 693	Super models. 2003, 13, 15-24  Methods to characterize Drosophila nuclear receptor activation and function in vivo. 2003, 364, 475-90  Feulgen-DNA cytophotometry for estimating C values. 2004, 247, 163-201  REC, a new member of the MCM-related protein family, is required for meiotic recombination in Drosophila. 2003, 78, 363-71  [C. elegans as a model for human inherited degenerative diseases]. 2003, 19, 1218-25  Oocyte-specific gene expression: roles in folliculogenesis, fertilization and early development. 2003	61 8 17 23

A new member of the GM130 golgin subfamily is expressed in the optic lobe anlagen of the metamorphosing brain of Manduca sexta. **2003**, 3, 35

687	. 2003,	6
686	. 2003,	3
685	. 2003,	24
684	. 2003,	18
683	Interaxonal Eph-ephrin signaling may mediate sorting of olfactory sensory axons in Manduca sexta. <b>2003</b> , 23, 11523-38	36
682	Distribution and functional properties of human KCNH8 (Elk1) potassium channels. <b>2003</b> , 285, C1356-66	38
681	Using the P[wHy] hybrid transposable element to disrupt genes in region 54D-55B in Drosophila melanogaster. <b>2002</b> , 162, 165-76	16
680	Identification and analysis of a hyperactive mutant form of Drosophila P-element transposase. <b>2002</b> , 162, 217-27	35
679	An overexpression screen in Drosophila for genes that restrict growth or cell-cycle progression in the developing eye. <b>2002</b> , 162, 229-43	56
678	Regulation of I-transposon activity in Drosophila: evidence for cosuppression of nonhomologous transgenes and possible role of ancestral I-related pericentromeric elements. <b>2002</b> , 162, 1197-209	28
677	Highly condensed potato pericentromeric heterochromatin contains rDNA-related tandem repeats. <b>2002</b> , 162, 1435-44	61
676	A Drosophila homolog of the polyglutamine disease gene SCA2 is a dosage-sensitive regulator of actin filament formation. <b>2002</b> , 162, 1687-702	100
675	A P-element insertion screen identified mutations in 455 novel essential genes in Drosophila. <b>2003</b> , 163, 195-201	73
674	amontillado, the Drosophila homolog of the prohormone processing protease PC2, is required during embryogenesis and early larval development. <b>2003</b> , 163, 227-37	33
673	Female site-specific transposase-induced recombination: a high-efficiency method for fine mapping mutations on the X chromosome in Drosophila. <b>2003</b> , 163, 591-7	5
672	Knockout targeting of the Drosophila nap1 gene and examination of DNA repair tracts in the recombination products. <b>2003</b> , 163, 611-23	49
671	piggyBac-based insertional mutagenesis and enhancer detection as a tool for functional insect genomics. <b>2003</b> , 163, 647-61	127

670	Transvection at the end of the truncated chromosome in Drosophila melanogaster. 2003, 163, 1375-87	9
669	Logjam encodes a predicted EMP24/GP25 protein that is required for Drosophila oviposition behavior. <b>2003</b> , 164, 173-86	30
668	The Drosophila spn-D gene encodes a RAD51C-like protein that is required exclusively during meiosis. <b>2003</b> , 165, 197-204	66
667	Mutations in eukaryotic release factors 1 and 3 act as general nonsense suppressors in Drosophila. <b>2003</b> , 165, 601-12	23
666	A family of genes clustered at the Triplo-lethal locus of Drosophila melanogaster has an unusual evolutionary history and significant synteny with Anopheles gambiae. <b>2003</b> , 165, 613-21	36
665	Large-scale adaptive hitchhiking upon high recombination in Drosophila simulans. 2003, 165, 895-900	27
664	Recombination, dominance and selection on amino acid polymorphism in the Drosophila genome: contrasting patterns on the X and fourth chromosomes. <b>2003</b> , 165, 1195-208	25
663	Protein evolution and codon usage bias on the neo-sex chromosomes of Drosophila miranda. <b>2003</b> , 165, 1221-32	39
662	Germline cell death is inhibited by P-element insertions disrupting the dcp-1/pita nested gene pair in Drosophila. <b>2003</b> , 165, 1881-8	90
661	The Drosophila melanogaster importin alpha3 locus encodes an essential gene required for the development of both larval and adult tissues. <b>2003</b> , 165, 1943-58	28
660	The novel plant homeodomain protein rhinoceros antagonizes Ras signaling in the Drosophila eye. <b>2003</b> , 165, 1993-2006	11
659	Genetics of P-element transposition into Drosophila melanogaster centric heterochromatin. <b>2003</b> , 165, 2039-53	23
658	Genetic and Bioinformatic Analysis of 41C and the 2R Heterochromatin of Drosophila melanogaster: A Window on the Heterochromatin-Euchromatin Junction. <b>2004</b> , 166, 807-822	9
657	A Bacterial Genetic Screen Identifies Functional Coding Sequences of the Insect mariner Transposable Element Famar1 Amplified From the Genome of the Earwig, Forficula auricularia. <b>2004</b> , 166, 823-833	8
656	Molecular and Comparative Genetics of Mental Retardation. 2004, 166, 835-881	20
655	Nucleotide Variation and Recombination Along the Fourth Chromosome in Drosophila simulans. <b>2004</b> , 166, 1783-1794	7
654	Nucleotide Variation in the tinman and bagpipe Homeobox Genes of Drosophila melanogaster. <b>2004</b> , 166, 1845-1856	4
653	Beyond library size: a field guide to NGS normalization.	3

652	in silicoWhole Genome Sequencer & Analyzer (iWGS): a computational pipeline to guide the design and analysis ofde novogenome sequencing studies.	3
651	trio-sga: facilitating de novo assembly of highly heterozygous genomes with parent-child trios.	9
650	Phased Diploid Genome Assembly with Single Molecule Real-Time Sequencing.	16
649	The hidden elasticity of avian and mammalian genomes.	1
648	Improved annotation of the insect vector of Citrus greening disease: Biocuration by a diverse genomics community.	4
647	A model species for agricultural pest genomics: the genome of the Colorado potato beetle, Leptinotarsa decemlineata (Coleoptera: Chrysomelidae).	1
646	Background selection does not mimic the patterns of genetic diversity produced by selective sweeps.	2
645	Invertebrate Metaxins 1 and 2: Widely Distributed Proteins Homologous to Vertebrate Metaxins Implicated in Protein Import into Mitochondria.	О
644	Optimizing experimental design for genome sequencing and assembly with Oxford Nanopore Technologies.	1
643	Towards complete and error-free genome assemblies of all vertebrate species.	38
643	Towards complete and error-free genome assemblies of all vertebrate species.  Insights into the genomic evolution of insects from cricket genomes.	38 7
		Ţ
642	Insights into the genomic evolution of insects from cricket genomes.	7
642	Insights into the genomic evolution of insects from cricket genomes.  A high-quality de novo genome assembly from a single parasitoid wasp.	7
642 641 640	Insights into the genomic evolution of insects from cricket genomes.  A high-quality de novo genome assembly from a single parasitoid wasp.  Chitin biosynthesis genes in Diaphorina citri, Asian citrus psyllid.  The worldwide invasion of Drosophila suzukii is accompanied by a large increase of transposable	7 3 3
642 641 640	Insights into the genomic evolution of insects from cricket genomes.  A high-quality de novo genome assembly from a single parasitoid wasp.  Chitin biosynthesis genes in Diaphorina citri, Asian citrus psyllid.  The worldwide invasion of Drosophila suzukii is accompanied by a large increase of transposable element load and a small number of putatively adaptive insertions.	7 3 3
642 641 640 639	Insights into the genomic evolution of insects from cricket genomes.  A high-quality de novo genome assembly from a single parasitoid wasp.  Chitin biosynthesis genes in Diaphorina citri, Asian citrus psyllid.  The worldwide invasion of Drosophila suzukii is accompanied by a large increase of transposable element load and a small number of putatively adaptive insertions.  Characterization of chitin deacetylase genes in the Diaphorina citri genome.	7 3 3 4

634	Reannotation of eight Drosophila genomes.	0
633	Adaptive evolution among cytoplasmic piRNA proteins leads to decreased genomic auto-immunity.	1
632	Window to the Fluorescence: The White Eye-Color Gene of Western Corn Rootworm, Diabrotica virgifera virgifera.	1
631	Regulatory regions in natural transposable element insertions drive interindividual differences in response to immune challenges in Drosophila.	1
630	Benchmarking Transposable Element Annotation Methods for Creation of a Streamlined, Comprehensive Pipeline.	7
629	Sequencing, de novo assembly and annotation of the genome of the scleractinian coral, Pocillopora acuta.	5
628	Transposon expression in theDrosophilabrain is driven by neighboring genes and diversifies the neural transcriptome.	2
627	Effect of Sequence Depth and Length in Long-read Assembly of the Maize Inbred NC358.	5
626	pol∏a remarkably error-prone human DNA polymerase. <b>2000</b> , 14, 1642-1650	159
625	Life with 25,000 Genes: Figure 1 <b>2001</b> , 11, 313-316	3
625 624	Life with 25,000 Genes: Figure 1 2001, 11, 313-316  Gene discovery using computational and microarray analysis of transcription in the Drosophila melanogaster testis. 2000, 10, 2030-43	159
	Gene discovery using computational and microarray analysis of transcription in the Drosophila	
624	Gene discovery using computational and microarray analysis of transcription in the Drosophila melanogaster testis. <b>2000</b> , 10, 2030-43  Whole Proteome pI Values Correlate with Subcellular Localizations of Proteins for Organisms	159
624	Gene discovery using computational and microarray analysis of transcription in the Drosophila melanogaster testis. 2000, 10, 2030-43  Whole Proteome pI Values Correlate with Subcellular Localizations of Proteins for Organisms within the Three Domains of Life. 2001, 11, 703-709  Single Nucleotide Polymorphism Markers for Genetic Mapping in Drosophila melanogaster. 2001,	159 27
624 623 622	Gene discovery using computational and microarray analysis of transcription in the Drosophila melanogaster testis. 2000, 10, 2030-43  Whole Proteome pI Values Correlate with Subcellular Localizations of Proteins for Organisms within the Three Domains of Life. 2001, 11, 703-709  Single Nucleotide Polymorphism Markers for Genetic Mapping in Drosophila melanogaster. 2001, 11, 1100-1113	159 27 39
624 623 622	Gene discovery using computational and microarray analysis of transcription in the Drosophila melanogaster testis. 2000, 10, 2030-43  Whole Proteome pI Values Correlate with Subcellular Localizations of Proteins for Organisms within the Three Domains of Life. 2001, 11, 703-709  Single Nucleotide Polymorphism Markers for Genetic Mapping in Drosophila melanogaster. 2001, 11, 1100-1113  Theories and applications for sequencing randomly selected clones. 2001, 11, 274-80	159 27 39 15
624 623 622 621	Gene discovery using computational and microarray analysis of transcription in the Drosophila melanogaster testis. 2000, 10, 2030-43  Whole Proteome pl Values Correlate with Subcellular Localizations of Proteins for Organisms within the Three Domains of Life. 2001, 11, 703-709  Single Nucleotide Polymorphism Markers for Genetic Mapping in Drosophila melanogaster. 2001, 11, 1100-1113  Theories and applications for sequencing randomly selected clones. 2001, 11, 274-80  The finished genome sequence of Homo sapiens. 2003, 68, 1-11  Genome-wide detection and analysis of recent segmental duplications within mammalian	159 27 39 15

616	Detecting highly conserved regions of the human genome by multispecies sequence comparisons. <b>2003</b> , 68, 255-63		12
615	Assessing the quality of finished genomic sequence. <b>2003</b> , 68, 31-7		2
614	Trilogies of histone lysine methylation as epigenetic landmarks of the eukaryotic genome. <b>2004</b> , 69, 209-	18	61
613	The arabidopsis serrate gene encodes a zinc-finger protein required for normal shoot development. <b>2001</b> , 13, 1263-79		146
612	Classification and phylogeny of hydrogenases. <b>2001</b> , 25, 455-501		737
611	A large-scale gene discovery for the red palm weevil Rhynchophorus ferrugineus (Coleoptera: Curculionidae). <b>2013</b> , 20, 689-702		14
610	Establishment and evolution of heterochromatin. <b>2020</b> , 1476, 59-77		14
609	How good are quantitative complementation tests?. <b>2004</b> , 2004, pe13		8
608	Gene number. What if there are only 30,000 human genes?. <i>Science</i> , <b>2001</b> , 291, 1255-7	3.3	212
607	Asian brains: U.S. v. Europe. <i>Science</i> , <b>2004</b> , 305, 609	3.3	1
606	P Transposable Elements in Drosophila melanogaster. <b>2002</b> , 484-518		29
605	I Elements in Drosophila melanogaster. <b>2002</b> , 796-812		11
604	Mobile Elements in Animal and Plant Genomes. <b>2002</b> , 1074-1092		10
603	Evolution of DNA Transposons in Eukaryotes. <b>2002</b> , 1093-1110		68
602	Quality diversity for multi-task optimization. <b>2020</b> ,		10
601	Discovering representations for black-box optimization. 2020,		7
600	Cloning, mRNA distribution, and functional expression of an avian counterpart of the chemokine receptor/HIV coreceptor CXCR4. <b>2001</b> , 69, 297-305		6
599	Symbiosis for insect cuticle formation. <b>2020</b> , 201-215		1

598	Adipokinetic Hormone: A Hormone for All Seasons?. <b>2020</b> , 129-175	3
597	Hormonal Control of Diuresis in Insects. <b>2020</b> , 225-282	2
596	Drosophila melanogaster in the study of epilepsy. <b>2020</b> , 141-160	1
595	Biological Invasions, Climate Change, and Genomics. <b>2016</b> , 37-70	1
594	Families of Glutathione Transferases. <b>2006</b> , 11-26	5
593	Crossveinless 2 contains cysteine-rich domains and is required for high levels of BMP-like activity during the formation of the cross veins in Drosophila. <b>2000</b> , 127, 3947-3959	119
592	Cap Bltollar B cooperates with a small Maf subunit to specify pharyngeal development and suppress deformed homeotic function in the Drosophila head. <b>2000</b> , 127, 4023-4037	49
591	Evolutionary conservation of redundancy between a diverged pair of forkhead transcription factor homologues. <b>2000</b> , 127, 4825-4835	16
590	Redundant function of Runt Domain binding partners, Big brother and Brother, during Drosophila development. <b>2001</b> , 128, 2639-2648	25
589	Thefurrygene ofDrosophilais important for maintaining the integrity of cellular extensions during morphogenesis. <b>2001</b> , 128, 2793-2802	54
588	aubergineencodes aDrosophilapolar granule component required for pole cell formation and related to eIF2C. <b>2001</b> , 128, 2823-2832	245
587	ribbon encodes a novel BTB/POZ protein required for directed cell migration in Drosophila melanogaster. <b>2001</b> , 128, 3001-3015	46
586	The Drosophila Polycomb Group proteins ESC and E(Z) are present in a complex containing the histone-binding protein p55 and the histone deacetylase RPD3. <b>2001</b> , 128, 275-286	186
585	The Beat generation: a multigene family encoding IgSF proteins related to the Beat axon guidance molecule in Drosophila. <b>2001</b> , 128, 4545-4552	47
584	Establishment of dorsal-ventral polarity of theDrosophilaegg requirescapicuaaction in ovarian follicle cells. <b>2001</b> , 128, 4553-4562	43
583	TheDrosophila daughterlessgene autoregulates and is controlled by both positive and negativecisregulation. <b>2001</b> , 128, 4705-4714	26
582	TheDrosophila ribbongene encodes a nuclear BTB domain protein that promotes epithelial migration and morphogenesis. <b>2001</b> , 128, 4923-4933	39
581	rolling pebbles(rols) is required inDrosophilamuscle precursors for recruitment of myoblasts for fusion. <b>2001</b> , 128, 5061-5073	80

#### (2000-2001)

580	Drosophila E2f2 promotes the conversion from genomic DNA replication to gene amplification in ovarian follicle cells. <b>2001</b> , 128, 5085-5098	58
579	An absolute requirement for Cubitus interruptus in Hedgehog signaling. <b>2001</b> , 128, 733-742	114
578	The domino gene of Drosophila encodes novel members of the SWI2/SNF2 family of DNA-dependent ATPases, which contribute to the silencing of homeotic genes. <b>2001</b> , 128, 1429-1441	83
577	Drosophila OVO regulates ovarian tumor transcription by binding unusually near the transcription start site. <b>2001</b> , 128, 1671-1686	16
576	ThejingZn-finger transcription factor is a mediator of cellular differentiation in theDrosophilaCNS midline and trachea. <b>2002</b> , 129, 2591-2606	17
575	Towards a model of the organisation of planar polarity and pattern in theDrosophilaabdomen. <b>2002</b> , 129, 2749-2760	88
574	Gliogenesis inDrosophila: genome-wide analysis of downstream genes ofglial cells missingin the embryonic nervous system. <b>2002</b> , 129, 3295-3309	55
573	Wingless blocks bristle formation and morphogenetic furrow progression in the eye through repression of Daughterless. <b>2002</b> , 129, 3393-3402	38
572	Drumstick is a zinc finger protein that antagonizes Lines to control patterning and morphogenesis of theDrosophilahindgut. <b>2002</b> , 129, 3645-3656	47
571	Drosophilap27Dacapo expression during embryogenesis is controlled by a complex regulatory region independent of cell cycle progression. <b>2002</b> , 129, 319-328	22
57°	Deletion of the ecdysis-triggering hormone gene leads to lethal ecdysis deficiency. <b>2002</b> , 129, 493-503	111
569	intersex, a gene required for female sexual development inDrosophila, is expressed in both sexes and functions together withdoublesexto regulate terminal differentiation. <b>2002</b> , 129, 4661-4675	78
568	Anterior repression of a Drosophila stripe enhancer requires three position-specific mechanisms. <b>2002</b> , 129, 4931-4940	53
567	The Hox gene abdominal-A specifies heart cell fate in theDrosophila dorsal vessel. <b>2002</b> , 129, 5019-5027	52
566	Control ofDrosophilaimaginal disc development byrotundandroughened eye: differentially expressed transcripts of the same gene encoding functionally distinct zinc finger proteins. <b>2002</b> , 129, 1273-1281	70
565	Eukaryotic signal transduction via histidine-aspartate phosphorelay. <b>2000</b> , 113, 3141-3150	92
564	The localized assembly of extracellular matrix integrin ligands requires cell-cell contact. <b>2000</b> , 113, 3715-3723	20
563	SNAP-24, a Drosophila SNAP-25 homologue on granule membranes, is a putative mediator of secretion and granule-granule fusion in salivary glands. <b>2000</b> , 113, 4055-4064	28

562	The Drosophila Dpit47 protein is a nuclear Hsp90 co-chaperone that interacts with DNA polymerase <b>2001</b> , 114, 2015-2025	45
561	Specific domains drive VM32E protein distribution and integration in Drosophila eggshell layers. <b>2001</b> , 114, 2819-2829	27
560	TheCaenorhabditis eleganshistone hairpin-binding protein is required for core histone gene expression and is essential for embryonic and postembryonic cell division. <b>2002</b> , 115, 857-866	40
559	Phenotypic characterization of Drosophila idamutants: defining the role of APC5 in cell cycle progression. <b>2002</b> , 115, 949-961	34
558	The Drosophila gap junction channel gene innexin 2controls foregut development in response to Wingless signalling. <b>2002</b> , 115, 1859-1867	53
557	The Drosophila melanogaster homologue of an insect calcitonin-like diuretic peptide stimulates V-ATPase activity in fruit fly Malpighian tubules. <b>2001</b> , 204, 1795-1804	116
556	Characterization of transepithelial potential oscillations in theDrosophilaMalpighian tubule. <b>2001</b> , 204, 3075-3084	25
555	Characterization of theDrosophila melanogasteralkali-metal/proton exchanger (NHE) gene family. <b>2001</b> , 204, 3703-3716	47
554	A comparative study of odorant binding protein genes: differential expression of the PBP1-GOBP2 gene cluster inManduca sexta(Lepidoptera) and the organization of OBP genes inDrosophila melanogaster(Diptera). <b>2002</b> , 205, 719-744	114
553	First draft genome assembly of the desert locust, Schistocerca gregaria. <b>2020</b> , 9, 775	20
552	Gaussian analysis of net electric charge of proteins in the Drosophila melanogaster genome. <b>2004</b> , 4, 101-109	1
551	Identifying Loci Contributing to Natural Variation in Xenobiotic Resistance in Drosophila. <b>2015</b> , 11, e1005663	26
550	Real-time definition of non-randomness in the distribution of genomic events. <b>2007</b> , 2, e570	28
549	Regulation of bestrophins by Ca2+: a theoretical and experimental study. <b>2009</b> , 4, e4672	16
548	Extensive conserved synteny of genes between the karyotypes of Manduca sexta and Bombyx mori revealed by BAC-FISH mapping. <b>2009</b> , 4, e7465	35
547	Differential protein modulation in midguts of Aedes aegypti infected with chikungunya and dengue 2 viruses. <b>2010</b> , 5, e13149	90
546	Rift valley fever virus infection of human cells and insect hosts is promoted by protein kinase C epsilon. <b>2010</b> , 5, e15483	40
545	Gene Expression Profiling via Multigene Concatemers. <b>2011</b> , 6, e15711	2

#### (2015-2011)

544	Spinning gland transcriptomics from two main clades of spiders (order: Araneae)—insights on their molecular, anatomical and behavioral evolution. <b>2011</b> , 6, e21634	29
543	Molecular genetic analyses of polytene chromosome region 72A-D in Drosophila melanogaster reveal a gene desert in 72D. <b>2011</b> , 6, e23509	5
542	A Gateway MultiSite recombination cloning toolkit. <b>2011</b> , 6, e24531	62
541	Generating a knockdown transgene against Drosophila heterochromatic Tim17b gene encoding mitochondrial translocase subunit. <b>2011</b> , 6, e25945	1
540	Resources and costs for microbial sequence analysis evaluated using virtual machines and cloud computing. <b>2011</b> , 6, e26624	58
539	Organically modified silica nanoparticles are biocompatible and can be targeted to neurons in vivo. <b>2012</b> , 7, e29424	95
538	Molecular phylogeny of OVOL genes illustrates a conserved C2H2 zinc finger domain coupled by hypervariable unstructured regions. <b>2012</b> , 7, e39399	19
537	Mind the gap: upgrading genomes with Pacific Biosciences RS long-read sequencing technology. <b>2012</b> , 7, e47768	665
536	Isotope label-aided mass spectrometry reveals the influence of environmental factors on metabolism in single eggs of fruit fly. <b>2012</b> , 7, e50258	4
535	Developmental gene discovery in a hemimetabolous insect: de novo assembly and annotation of a transcriptome for the cricket Gryllus bimaculatus. <b>2013</b> , 8, e61479	34
534	Drosophila KDEL receptor function in the embryonic salivary gland and epidermis. 2013, 8, e77618	8
533	Effect of prolonged coldness on survival and fertility of Drosophila melanogaster. <b>2014</b> , 9, e92228	8
532	Long-read sequencing of chicken transcripts and identification of new transcript isoforms. <b>2014</b> , 9, e94650	41
531	Metabolome analysis of Drosophila melanogaster during embryogenesis. <b>2014</b> , 9, e99519	28
530	Computational and experimental characterization of dVHL establish a Drosophila model of VHL syndrome. <b>2014</b> , 9, e109864	1
529	Simple quantitative PCR approach to reveal naturally occurring and mutation-induced repetitive sequence variation on the Drosophila Y chromosome. <b>2014</b> , 9, e109906	11
528	On the evolution of Yeti, a Drosophila melanogaster heterochromatin gene. <b>2014</b> , 9, e113010	6
527	The nuclear receptors of Biomphalaria glabrata and Lottia gigantea: implications for developing new model organisms. <b>2015</b> , 10, e0121259	35

526	Genomic Analysis of Detoxification Supergene Families in the Mosquito Anopheles sinensis. <b>2015</b> , 10, e0143387	21
525	Identification and Comparative Expression Profiles of Chemoreception Genes Revealed from Major Chemoreception Organs of the Rice Leaf Folder, Cnaphalocrocis medinalis (Lepidoptera: Pyralidae). <b>2015</b> , 10, e0144267	20
524	Insight into the Salivary Gland Transcriptome of Lygus lineolaris (Palisot de Beauvois). <b>2016</b> , 11, e0147197	16
523	Mapping QTL Contributing to Variation in Posterior Lobe Morphology between Strains of Drosophila melanogaster. <b>2016</b> , 11, e0162573	2
522	Insights into the biochemical defence and methylation of the solitary bee Osmia rufa L: A foundation for examining eusociality development. <b>2017</b> , 12, e0176539	17
521	The hsp60B gene of Drosophila melanogaster is essential for the spermatid individualization process. <b>2001</b> , 6, 71-7	38
520	A genomics approach to the chaperone network of Arabidopsis thaliana. <b>2001</b> , 6, 175-6	7
519	Genomic organization and promoter analysis of the human heat shock factor 2 gene. <b>2001</b> , 6, 377-85	11
518	Current knowledge on genes and genomes of phytophagous beetles (Coleoptera: Chrysomeloidea, Curculionoidea): a review. <b>2005</b> , 102, 577-597	8
517	Comparative genomics of microsporidia. <b>2005</b> , 52, 8-14	25
517 516	Comparative genomics of microsporidia. 2005, 52, 8-14  The omicization of agrochemical research. 2006, 31, 240-244	25 5
516	The omicization of agrochemical research. <b>2006</b> , 31, 240-244  cDNA cloning of ecdysone receptor (EcR) and ultraspiracle (USP) from Harmonia axyridis and Epilachna vigintioctopunctata and the evaluation of the binding affinity of ecdysone agonists to	5
516 515	The omicization of agrochemical research. 2006, 31, 240-244  cDNA cloning of ecdysone receptor (EcR) and ultraspiracle (USP) from Harmonia axyridis and Epilachna vigintioctopunctata and the evaluation of the binding affinity of ecdysone agonists to the in vitro translated EcR/USP heterodimers. 2014, 39, 76-84  Screening of suppressors of bax-induced cell death identifies glycerophosphate oxidase-1 as a	5
<ul><li>516</li><li>515</li><li>514</li></ul>	The omicization of agrochemical research. <b>2006</b> , 31, 240-244  cDNA cloning of ecdysone receptor (EcR) and ultraspiracle (USP) from Harmonia axyridis and Epilachna vigintioctopunctata and the evaluation of the binding affinity of ecdysone agonists to the in vitro translated EcR/USP heterodimers. <b>2014</b> , 39, 76-84  Screening of suppressors of bax-induced cell death identifies glycerophosphate oxidase-1 as a mediator of debcl-induced apoptosis in Drosophila. <b>2015</b> , 6, 241-253	5 4 6
<ul><li>516</li><li>515</li><li>514</li><li>513</li></ul>	The omicization of agrochemical research. 2006, 31, 240-244  cDNA cloning of ecdysone receptor (EcR) and ultraspiracle (USP) from Harmonia axyridis and Epilachna vigintioctopunctata and the evaluation of the binding affinity of ecdysone agonists to the in vitro translated EcR/USP heterodimers. 2014, 39, 76-84  Screening of suppressors of bax-induced cell death identifies glycerophosphate oxidase-1 as a mediator of debcl-induced apoptosis in Drosophila. 2015, 6, 241-253  Draft of silkworm proteome database. 2006, 50, 39-41	5 4 6 8
<ul><li>516</li><li>515</li><li>514</li><li>513</li><li>512</li></ul>	The omicization of agrochemical research. 2006, 31, 240-244  cDNA cloning of ecdysone receptor (EcR) and ultraspiracle (USP) from Harmonia axyridis and Epilachna vigintioctopunctata and the evaluation of the binding affinity of ecdysone agonists to the in vitro translated EcR/USP heterodimers. 2014, 39, 76-84  Screening of suppressors of bax-induced cell death identifies glycerophosphate oxidase-1 as a mediator of debcl-induced apoptosis in Drosophila. 2015, 6, 241-253  Draft of silkworm proteome database. 2006, 50, 39-41  Homogenization of Chromosomes Revealed by Oligonucleotide-Stickiness. 2004, 3, 145-152	5 4 6 8

508	Drosophila as a model for antiviral immunity. <b>2010</b> , 1, 151-9	13
507	Phylogenomics and its Growing Impact on Algal Phylogeny and Evolution. <b>2006</b> , 21, 1-10	18
506	Yeast as a touchstone in post-genomic research: strategies for integrative analysis in functional genomics. <b>2004</b> , 37, 93-106	46
505	Genome data mining for everyone. <b>2008</b> , 41, 757-64	3
504	High-throughput RNA interference screens integrative analysis: Towards a comprehensive understanding of the virus-host interplay. <b>2013</b> , 2, 18-31	8
503	Invertebrate and vertebrate models in aging research. <b>2019</b> , 163, 114-121	8
502	Alternatively spliced isoforms encoded by cadherin genes from C. elegansgenome. <b>2007</b> , 2, 50-6	2
501	Neuron hemilineages provide the functional ground plan for the Drosophila ventral nervous system. <b>2015</b> , 4,	68
500	Acquisition of exogenous haem is essential for tick reproduction. <b>2016</b> , 5,	59
499	Pervasive epigenetic effects of euchromatic transposable elements impact their evolution. <b>2017</b> , 6,	61
498	Presynaptic LRP4 promotes synapse number and function of excitatory CNS neurons. 2017, 6,	31
497	Resolving the prevalence of somatic transposition in. <b>2017</b> , 6,	40
496	Embryo polarity in moth flies and mosquitoes relies on distinct old genes with localized transcript isoforms. <b>2019</b> , 8,	11
495	, a short -element variant, weaponizes -transposase to severely impair development. <b>2019</b> , 8,	13
494	Myofibril diameter is set by a finely tuned mechanism of protein oligomerization in. 2019, 8,	14
493	Genome streamlining in a minute herbivore that manipulates its host plant. <b>2020</b> , 9,	9
492	Identification and temporal expression of putative circadian clock transcripts in the amphipod crustacean. <b>2016</b> , 4, e2555	14
491	Genetic divergence between populations of feral and domestic forms of a mosquito disease vector assessed by transcriptomics. <b>2015</b> , 3, e807	12

490	Genomic architecture and sexually dimorphic expression underlying immunity in the red mason bee, Osmia bicornis.	
489	D-SCRIPT translates genome to phenome with sequence-based, structure-aware, genome-scale predictions of protein-protein interactions. <b>2021</b> , 12, 969-982.e6	4
488	Fish genomics and its impact on fundamental and applied research of vertebrate biology. 1	2
487	Genome-wide phenotypic RNAi screen in the Drosophila wing: global parameters. <b>2021</b> , 11,	2
486	A transcription factor DAF-5 functions in Haemonchus contortus development. <b>2021</b> , 14, 529	О
485	Assessing species coverage and assembly quality of rapidly accumulating sequenced genomes.	O
484	Genome-wide phenotypic RNAi screen in the Drosophila wing: phenotypic description of functional classes. <b>2021</b> , 11,	1
483	The genome-wide rate and spectrum of EMS-induced heritable mutations in the microcrustacean Daphnia: on the prospect of forward genetics. <b>2021</b> , 127, 535-545	O
482	The Molecular Physiology and Toxicology of Inward Rectifier Potassium Channels in Insects. 2021,	1
481	Drosophila Melanogaster: A Genetic Tool. <b>2000</b> , 23-41	
481 480	Drosophila Melanogaster: A Genetic Tool. <b>2000</b> , 23-41  ???????????????????. <b>2000</b> , 26, 21-24	
		0
480	??????????????????. <b>2000</b> , 26, 21-24	0
480 479	?????????????????. 2000, 26, 21-24  Comparative Genomics: An Introduction: Sequencing Projects and Model Organisms. 2000, 1-22	O
480 479 478	??????????????????. 2000, 26, 21-24  Comparative Genomics: An Introduction: Sequencing Projects and Model Organisms. 2000, 1-22  Computational Biology [Algorithms and More. 2000, 9-19	0
480 479 478 477	??????????????????????????????????????	
480 479 478 477 476	Comparative Genomics: An Introduction: Sequencing Projects and Model Organisms. 2000, 1-22  Computational Biology (Algorithms and More. 2000, 9-19  ?????????????????????????????????	

472	Genetische Modellorganismen im Humangenomprojekt. <b>2001</b> , 21-34	
47 <sup>1</sup>	Agri-Food and Genomics. <b>2001</b> , 145-164	
470	Genome Projects of Model Organisms. <b>2001</b> , 5-40	
469	Automated Genome Annotation and Comparative Genomics. 2001, 361-378	
468	RNAi and Cosuppression. <b>2001</b> , 1-36	
467	piggyBac-mediated transposition in Drosophila melanogaster: an evaluation of the use of constitutive promoters to control transposase gene expression. <b>2001</b> , 10, 447-455	
466	Mutagenesis and Genetic Screens in the Mouse. 2001,	
465	Computational gene finding in plants. <b>2002</b> , 39-48	1
464	Genes and evolution. <b>2002</b> , 78-81	
463	History of modern genetics in Germany. <b>2002</b> , 75, 1-29	
463 462	History of modern genetics in Germany. <b>2002</b> , 75, 1-29  Lessons from the sequence of human chromosome 22. <b>2002</b> , 31-50	
		1
462	Lessons from the sequence of human chromosome 22. <b>2002</b> , 31-50	1
462 461	Lessons from the sequence of human chromosome 22. <b>2002</b> , 31-50  Fast Optimal Genome Tiling with Applications to Microarray Design and Homology Search. <b>2002</b> , 419-433	1 1 6
462 461 460	Lessons from the sequence of human chromosome 22. <b>2002</b> , 31-50  Fast Optimal Genome Tiling with Applications to Microarray Design and Homology Search. <b>2002</b> , 419-433  Genome-wide comparisons between human and tetraodon. <b>2002</b> , 11-29  Rough eye is a gain-of-function allele of amos that disrupts regulation of the proneural gene atonal	
462 461 460 459	Lessons from the sequence of human chromosome 22. 2002, 31-50  Fast Optimal Genome Tiling with Applications to Microarray Design and Homology Search. 2002, 419-433  Genome-wide comparisons between human and tetraodon. 2002, 11-29  Rough eye is a gain-of-function allele of amos that disrupts regulation of the proneural gene atonal during Drosophila retinal differentiation. 2002, 160, 623-35  poirot,a new regulatory gene of Drosophila oskaracts at the level of the short Oskar protein	6
462 461 460 459 458	Lessons from the sequence of human chromosome 22. 2002, 31-50  Fast Optimal Genome Tiling with Applications to Microarray Design and Homology Search. 2002, 419-433  Genome-wide comparisons between human and tetraodon. 2002, 11-29  Rough eye is a gain-of-function allele of amos that disrupts regulation of the proneural gene atonal during Drosophila retinal differentiation. 2002, 160, 623-35  poirot,a new regulatory gene of Drosophila oskaracts at the level of the short Oskar protein isoform. 2002, 129, 3469-3478  Studies on the Expression of Cytochrome P450s by cDNA Array Tequnique: for the Search of New	6

454	Transgenic Pest and Beneficial Insects for Pest Management Programs. 2003, 442-490	
453	DNA Sequencing and the Evolution of the EDmics[12003, 178-205	
452	Genomanalyse und Gendiagnostik. <b>2003</b> , 391-440	
451	Comparative Genome Analysis Focused on Periodicity from Prokaryote to Higher Eukaryote Genomes Based on Power Spectrum. <b>2003</b> , 2, 95-110	1
450	Molecular Biology of RothmundII homson Syndrome. <b>2003</b> ,	
449	Can the people in poor countries benefit from science?. <b>2003</b> , 1, 49-50	
448	Bioinformatics, Genomics, and Antimicrobial Drug Discovery. <b>2003</b> , 27-42	
447	Using Fungal Genomes for the Discovery, Development, and Clinical Application of Novel and Current Antifungal Therapeutics. <b>2003</b> , 201-220	
446	Distinct phospholipase C-gamma-dependent signaling pathways in the Drosophila eye and wing are revealed by a new small wing allele. <b>2003</b> , 164, 553-63	6
445	Shotgun Proteomics and Its Applications to the Yeast Proteome. <b>2003</b> , 233-253	
444	The pineapple eye gene is required for survival of Drosophila imaginal disc cells. 2003, 165, 1869-79	10
443	An Approach to Creating New Insecticides Based on Insect Genome Information: Perspectives and Problems. <b>2004</b> , 29, 163-169	
442	Trilogies of Histone Lysine Methylation as Epigenetic Landmarks of the Eukaryotic Genome. <b>2004</b> , 69, 1-10	
441	Protein Expression Library Resources for Proteome Studies. <b>2004</b> , 287-304	2
440	Patterns of microsatellite variability in the Drosophila melanogaster complex. 2004, 71-77	
439	Invertebrate Glia. <b>2004</b> , 199-222	1
438	Kuzbanian (Drosophila). <b>2004</b> , 721-723	
437	A new hybrid rescue allele in Drosophila melanogaster. <b>2004</b> , 261-266	

# (2005-2004)

436	References. <b>2004</b> , 165-184
435	Front Matter. 2004,
434	Computational Biology. <b>2004</b> , 887-906
433	Construction and Application of Genomic DNA Libraries.
432	Gene Number.
431	Drosophila.
430	Genome Project.
429	WGS.
428	Methods and Utility of EST and Whole Genome Sequencing.
427	Walking on the chromosome: Drosophila and the molecularization of development. <b>2004</b> , 81-96
426	Flybase.
425	Flybase. <b>2004</b> ,
424	A Novel Algorithm for Automatic Species Identification Using Principal Component Analysis. <b>2005</b> , 605-610 o
423	NON-VITELLIN YOLK PROTEINS. <b>2005</b> , 305-330
422	Insect Vitellogenio/Y olk Protein Receptors Thomas W Sappington and Alexander S. Raikhel. <b>2005</b> , 245-280
421	Insect Transposable Elements. 2005, 395-436
420	Genomics, Proteomics, and Neurology. <b>2005</b> , 217-236
419	. 2005,

418	Microfabricated DNA Sequencing Devices. 2005,
417	DNA Sequencing for Genome Analysis. <b>2005</b> ,
416	Proteome Analysis of Drosophila melanogaster Used 2-DE and MALDI- TOF-MS. <b>2005</b> , 15, 427-433
415	Comparative Methods for Sequence Assembly. <b>2005</b> , 273-296
414	Computational Methods for Microarray Design. <b>2005</b> , 663-684
413	REFERENCES. <b>2006</b> , 241-273
412	Small Animal Test Systems for Screening. <b>2007</b> , 647-657
411	Drosophila Genomes by the Baker's Dozen. Preface. <b>2007</b> , 177, 1263-8
410	Genetic Basis of Acute Lung Injury. <b>2008</b> , 207-215
409	Agri-Food and Genomics. 145-164
408	Automated Genome Annotation and Comparative Genomics. 361-378
407	Sequence and Genome Bioinformatics. 1812-1844
406	Comparative Human Genomics.
405	Animal Models for Assessing the Biological Roles of Lectins. <b>2008</b> , 107-136
404	Structural Aspects of LectinLigand Interactions. <b>2008</b> , 35-54
403	Die Evolution des Immunsystems. <b>2009</b> , 893-920
402	Dual-specificity kinase. <b>2009</b> , 372-391
401	Cyclin-dependent kinase. <b>2009</b> , 156-219

#### (2010-2009)

400	Polo kinase. <b>2009</b> , 134-155	
399	Mitogen-activated protein kinase. <b>2009</b> , 233-277	
398	Encyclopedia of Complexity and Systems Science. <b>2009</b> , 4160-4178	
397	cAMP-dependent protein kinase. <b>2009</b> , 241-287	
396	Drosophila Model of Alzheimer Amyloidosis. <b>2009</b> , 197-206	
395	Receptor protein-tyrosine kinase. <b>2009</b> , 341-440	
394	Genomics. <b>2009</b> , 419-424	
393	Encyclopedia of Complexity and Systems Science. <b>2009</b> , 3964-3985	
392	Die Evolution des Immunsystems. <b>2009</b> , 893-920	
391	Non-specific serine/threonine protein kinase. <b>2009</b> , 1-123	
390	cGMP-dependent protein kinase. <b>2009</b> , 288-324	
389	tau-Protein kinase. <b>2009</b> , 303-325	
388	Non-specific protein-tyrosine kinase. <b>2009</b> , 441-565	
387	Regulatory Genes in Ancestral Chordates.	
386	Lepidopteran Chemoreceptors. <b>2009</b> , 169-184	
385	Genetic and Genomic Approaches for Understanding Retinal Diseases. <b>2010</b> , 25-49	
384	Evolutionary Dynamics in the Aphid Genome: Search for Genes Under Positive Selection and Detection of Gene Family Expansions. <b>2010</b> , 133-142	0
383	Gene Expression Arrays in Pancreatic Cancer Drug Discovery Research. <b>2010</b> , 113-134	

382	Amplification of orthologous genes using degenerate primers. <b>2010</b> , 634, 175-85
381	Current status on plant functional genomics. <b>2010</b> , 37, 115-124
380	Genetic Variation Identified through Gene and Genome Sequencing. 2010, 399-423
379	Species, Strain, and Gender Issues in the Development and Validation of Animal Models of Dementia. <b>2011</b> , 53-75
378	The Contribution of Laboratory Animals to Medical ProgressPast, Present, and Future. <b>2010</b> , 1-20
377	Die Sequenzierung von Genen und Genomen. <b>2011</b> , 149-165
376	Investigating the Biological Significance of Metallointercalators with cDNA Microarrays. <b>2011</b> , 325-359
375	Systems BiologyAn Overview. <b>2011</b> , 11-25
374	Encyclopedia of Sustainability Science and Technology. <b>2012</b> , 10671-10694
373	Genome Mapping and Genomics in Drosophila. <b>2012</b> , 31-86
372	Eukaryote Genomes. <b>2013</b> , 193-222
371	Kuzbanian (Drosophila). <b>2013</b> , 1146-1149
370	Nep2 Peptidase (Insect). <b>2013</b> , 644-646
369	- Omics Approaches in Biofuel Production for a Green Environment. <b>2013</b> , 646-659
368	Genomics of Subtelomeres: Technical Problems, Solutions and the Future. <b>2014</b> , 259-271
367	Bioinformatics for Genomes and Metagenomes in Ecology Studies. <b>2014</b> , 203-226
366	Using Engineered microRNAs as Vectors for Animal RNA Interference: Promises and Challenges. <b>2014</b> , 05, 301-310
365	Whole Genome Screens in Macrophages. 537-543

364	Development of an Economic-trait Genetic Marker by Applying Next-generation Sequencing Technologies in a Whole Genome. <b>2014</b> , 24, 1258-1267	1
363	Shark Complement Genes, Proteins and Function. <b>2014</b> , 143-171	1
362	Annotation Pipelines for Next-Generation Sequencing Projects. 2015, 325-367	
361	Die eukaryotische Zelle und Modellorganismen. <b>2015</b> , 165-212	
360	Non-mammalian Zona Pellucida Domain Proteins. 87-148	
359	Skizze des Fachs. <b>2016</b> , 1-42	
358	Discoidin Domain Receptors in Invertebrates. <b>2016</b> , 87-105	
357	How Well Do Surrogate Hosts Serve as Model Systems for Understanding Pathogenicity. <b>2016</b> , 3-25	O
356	A hidden Markov model approach for simultaneously estimating local ancestry and admixture time using next generation sequence data in samples of arbitrary ploidy.	O
355	Bibliography. 187-204	
354	Whole genome resequencing of a laboratory-adapted Drosophila melanogaster population sample. <b>2016</b> , 5, 2644	6
353	Whole genome resequencing of a laboratory-adapted Drosophila melanogaster. 5, 2644	
352	The 3D genome organization of Drosophila melanogaster through data integration.	
351	Genome and Transcriptome-Wide Research of Brain Evolution. <b>2017</b> , 187-212	
350	Bioinformatics Databases: Implications in Human Health. <b>2017</b> , 109-132	
349	Presynaptic LRP4 Promotes Synapse Number and Function of Excitatory CNS Neurons.	
348	Zellen und Genome. 1-47	
347	Insights into regeneration from the genome, transcriptome and metagenome analysis of Eisenia fetida.	1

346	Temporal epigenomic profiling identifies AHR and GLIS1 as super-enhancer controlled regulators of mesenchymal multipotency.	
345	Genomes of trombidid mites reveal novel predicted allergens and laterally-transferred genes associated with secondary metabolism.	
344	Not so sterile after all: The endomicrobiome of plerocercoids of the cestode parasiteSchistocephalus solidusand changes to the microbiome of its Threespine Stickleback host.	
343	Genetic Sequence Databases. 1-12	
342	Gene regulatory mechanisms underlying the evolutionary loss of a polygenic trait.	
341	spplDer: a species identification tool to investigate hybrid genomes with high-throughput sequencing.	1
340	Chromatin architecture reorganisation during neuronal cell differentiation in Drosophila genome.	O
339	The analisis of human MGMT gene orthologous in protests. 22, 345-351	1
338	The High-throughput WAFFL System for Treating and Monitoring Individual Drosophila melanogaster Adults.	О
337	Identification of SMARCD1 as a syndromic intellectual disability gene that is required for memory and context-dependent regulation of neuronal genes in Drosophila.	
336	The draft genome sequence of the Japanese honey bee, Apis cerana japonica (Hymenoptera: Apidae). 115, 650-657	O
335	Mighty Fly: An Introduction to Drosophila. <b>2019</b> , 1-36	
334	Tau, Tangles and Tauopathies: Insights from Drosophila Disease Models. <b>2019</b> , 223-250	1
333	Neurological Disorder Brain Model: A Lesson from Marine Worms (Annelida: Polychaeta). <b>2019</b> , 26, 5-18	4
332	Molecular Approaches to Explore Coastal Benthic Metazoan DiversityBuccess and Constraints. <b>2019</b> , 43-53	
331	Methods for Creating Fly Models to Understand the Molecular Mechanisms Underlying Neurological Diseases. <b>2019</b> , 37-54	
330	Evidence for purifying selection on conserved noncoding elements in the genome of Drosophila melanogaster.	1
329	The Drosophila fertility factor kl-3 is linked to the Y-chromosome of the vector of ChagasIdisease Triatoma infestans (Hemiptera: Reduviidae) and is essential for male fertility.	

328	Har-P, ashortP-element variant, weaponizesP-transposase to severely impairDrosophiladevelopment.	
327	Neurons that Function within an Integrator to Promote A Persistent Behavioral State in Drosophila.	
326	No evidence for immune-gene specific signals of selection in termites.	
325	De novo identification of satellite DNAs in the sequenced genomes of Drosophila virilis and D. americana using the RepeatExplorer and TAREAN pipelines.	3
324	Whole genome sequences of 23 species from the Drosophila montium species group (Diptera: Drosophilidae): A resource for testing evolutionary hypotheses.	O
323	Isolation of Gut, Imaginal Disc, Fat Body, Ovary and Testes in Various Developmental Stages of Drosophila. <b>2020</b> , 15-30	
322	Methods to Detect the Complex Behaviours in Drosophila. <b>2020</b> , 253-265	
321	Mining Whole Genome Sequence data to efficiently attribute individuals to source populations.	
320	Comparative study of contact repulsion in control and mutant macrophages using a novel interaction detection.	
319	Hybrid genome assembly and evidence-based annotation of the egg parasitoid and biological control agent Trichogramma brassicae.	
318	Pituitary Tumor Transforming Gene 1 orchestrates gene regulatory variation in mouse ventral midbrain during aging.	O
317	Revisiting the gastrin-releasing peptide/bombesin system: A reverse-evolutionary study consideringXenopus.	
316	Single nuclei chromatin profiling of ventral midbrain reveals cell identity transcription factors and cell type-specific gene regulatory variation.	
315	HapSolo: An optimization approach for removing secondary haplotigs during diploid genome assembly and scaffolding.	
314	The Evolution of Insect Metallothioneins.	
313	Genome Sequencing and Annotation. <b>2020</b> , 91-99	
312	L-DOPA-Induced Dyskinesia in a Genetic Drosophila Model of Parkinson's Disease. <b>2020</b> , 29, 273-284	3
311	Advances in the treatment, diagnosis, control and scientific understanding of taeniid cestode parasite infections over the past 50 years. <b>2021</b> , 51, 1167-1167	3

310	Identification of a genome-specific repetitive element in the D genome. 2020, 8, e8344	2
309	A Mathematical Model of the Cell Differentiation in Multicellular Eukaryotes. <b>2020</b> , 11, 157-171	
308	Identification and functional characterization of the first molluscan neuromedin U receptor in the slug, Deroceras reticulatum. <b>2020</b> , 10, 22308	1
307	The tight genome size of ants: diversity and evolution under ancestral state reconstruction and base composition. <b>2021</b> , 193, 124-144	O
306	Genetics of metallothioneins in Drosophilamelanogaster. <b>2021</b> , 288, 132562	2
305	One fly - one genome : Chromosome-scale genome assembly of a single outbred Drosophila melanogaster.	1
304	The Drosophila melanogaster as Genetic Model System to Dissect the Mechanisms of Disease that Lead to Neurodegeneration in Adrenoleukodystrophy. <b>2020</b> , 1299, 145-159	
303	Recent Contributions of the Drosophila Eye to Unraveling the Basis of Neurodegeneration. <b>2020</b> , 293-309	O
302	Knockdown transgenic Drosophila and Parkinson's disease. <b>2020</b> , 643-661	
301	Die eukaryotische Zelle und Modellorganismen. <b>2020</b> , 203-263	
300	Die eukaryotische Zelle und Modellorganismen. <b>2020</b> , 203-263  Drosophila Cancer Modeling Using the Eye Imaginal Discs. <b>2020</b> , 259-291	0
		0
300	Drosophila Cancer Modeling Using the Eye Imaginal Discs. <b>2020</b> , 259-291	0
300	Drosophila Cancer Modeling Using the Eye Imaginal Discs. <b>2020</b> , 259-291  Sequencing the Rice Genome: Gateway to Agricultural Development. <b>2020</b> , 109-157	0
300 299 298	Drosophila Cancer Modeling Using the Eye Imaginal Discs. 2020, 259-291  Sequencing the Rice Genome: Gateway to Agricultural Development. 2020, 109-157  A Brief History of Bioinformatics Told by Data Visualization. 2020, 235-246  Complete sequences of Schizosaccharomyces pombe subtelomeres reveal multiple patterns of	0
300 299 298 297	Drosophila Cancer Modeling Using the Eye Imaginal Discs. 2020, 259-291  Sequencing the Rice Genome: Gateway to Agricultural Development. 2020, 109-157  A Brief History of Bioinformatics Told by Data Visualization. 2020, 235-246  Complete sequences of Schizosaccharomyces pombe subtelomeres reveal multiple patterns of genome variation.  Activation of silent secondary metabolite gene clusters by nucleosome map-guided positioning of	0
300 299 298 297 296	Drosophila Cancer Modeling Using the Eye Imaginal Discs. 2020, 259-291  Sequencing the Rice Genome: Gateway to Agricultural Development. 2020, 109-157  A Brief History of Bioinformatics Told by Data Visualization. 2020, 235-246  Complete sequences of Schizosaccharomyces pombe subtelomeres reveal multiple patterns of genome variation.  Activation of silent secondary metabolite gene clusters by nucleosome map-guided positioning of the synthetic transcription factor VPR-dCas9.  Mucus piRNAs profiles of Vibrio harveyi-infected Cynoglossus semilaevis: A hint for fish disease	

292	The transposable element-rich genome of the cereal pest Sitophilus oryzae. <b>2021</b> , 19, 241	9
291	Selective Sweep in the Evolution of a New Sperm-Specific Gene in Drosophila. <b>2005</b> , 22-33	
290	Comparative Genomics. <b>2005</b> , 411-455	
289	DNA Sequence Assembly. <b>2005</b> , 195-223	
288	Model-Based Inference of Transcriptional Regulatory Mechanisms from DNA Microarray Data. <b>2006</b> , 85-94	
287	Whole Genome Sequencing: Methodology and Progress in Cereals. <b>2004</b> , 385-423	
286	Introduction. <b>2005</b> , 1-118	
285	Improvements in the Peptide Mass Fingerprint Protein Identification (2/2). <b>2005</b> , 209-224	
284	Entwicklungsgenetik. <b>1995</b> , 565-654	
283	Skizze des Fachs. <b>2006</b> , 1-33	
282	On the design of optimization criteria for multiple sequence alignment. <b>2002</b> , 22-36	
281	Bioinformatics: A New Approach for the Challenges of Molecular Biology. <b>2007</b> , 295-309	
280	Genomeless Genomics in Crop Improvement. <b>2007</b> , 151-176	1
279	Evolutionarily Conserved Pathways Regulating Engulfment of Apoptotic Cells. 2009, 147-162	
278	Protein-tyrosine kinase (PTK, not ETK, WZC). <b>2007</b> , 510-624	
277	Protein kinase (PKA, PKC, AKT, GRK, AGC-related, RSK, DBF2, SGK). <b>2007</b> , 442-488	
276	Protein kinase (CaMK, MLCK, PhK, SNF, KIN, NIM1, MAPKAP, POLO, CHK, ULK, RSK-2nd domain). <b>2007</b> , 489-528	
275	Protein kinase (CDK/MAK). <b>2007</b> , 529-551	

274	Protein kinase (CK1). <b>2007</b> , 552-560	
273	Protein kinase (CK2). <b>2007</b> , 561-566	
272	Protein kinase (GSK-3). <b>2007</b> , 582-588	
271	Protein kinase (MAPK). <b>2007</b> , 589-607	
270	Protein kinase (various). <b>2007</b> , 662-687	
269	Tick. <b>2008</b> , 103-117	
268	An Overview of Arthropod Genomics, Mitogenomics, and the Evolutionary Origins of the Arthropod Proteome. <b>2013</b> , 41-61	3
267	Large-scale analysis ofDrosophilacore promoter function using synthetic promoters.	1
266	Behavioral and genomic sensory adaptations underlying the pest activity of Drosophila suzukii.	
265	In silico Drosophila Patient Model Reveals Optimal Combinatorial Therapies for Colorectal Cancer.	
264	Drosophila genetics for the analysis of neurobiological disease. <b>2020</b> , 9-24	
263	Genetic models of Parkinson's disease: mechanisms and therapies. <b>2020</b> , 93-113	
262	Evolutionary dynamics of transposable elements in bdelloid rotifers.	
261	Matters of the heart transcriptome: a brief history of cardiovascular genomics. <b>2002</b> , 29, 81-91	1
260	poliota, a remarkably error-prone human DNA polymerase. <b>2000</b> , 14, 1642-50	240
259	Systems biology in heart diseases. <b>2010</b> , 14, 10-6	4
258	Regulatory genomics: Insights from the zebrafish. <b>2012</b> , 5, 1-10	3
257	Detecting highly differentiated copy-number variants from pooled population sequencing. 2013, 344-55	6

256	The fundamentals of flying: simple and inexpensive strategies for employing Drosophila genetics in neuroscience teaching laboratories. <b>2012</b> , 11, A139-48	9
255	RNA-protein interactions that regulate pre-mRNA splicing. <b>2002</b> , 10, 79-92	30
254	Animal models for the genetic study of human alcohol phenotypes. <b>2002</b> , 26, 202-7	5
253	Future directions in alcoholism research. Genomics and gene transfer. <b>2000</b> , 24, 189-92	1
252	Genetics of alcohol-induced behaviors in Drosophila. <b>2000</b> , 24, 185-8	8
251	Gene Discovery Using Computational and Microarray Analysis of Transcription in the Drosophila melanogaster Testis. <b>2000</b> , 10, 2030-2043	21
250	Retroposed New Genes Out of the X in Drosophila. <b>2002</b> , 12, 1854-1859	46
249	Bioinformatic analysis and antiviral effect of Periplaneta americana defensins. 2021, 308, 198627	1
248	Review of Insecticide Resistance and Its Underlying Mechanisms in Tribolium castaneum.	1
247	Dissecting the evolutionary role of the gene in mouthpart diversification by full locus replacement. <b>2021</b> , 7, eabk1003	O
246	Nearly 30 Years of Animal Models to Study Amyotrophic Lateral Sclerosis: A Historical Overview and Future Perspectives. <b>2021</b> , 22,	6
245	New Genes in the Y Chromosome: Lessons from. <b>2021</b> , 12,	O
244	Theories and Applications for Sequencing Randomly Selected Clones. 2001, 11, 274-280	1
243	AB2 Expressing Model for Alzheimer's Disease: Quantitative Proteomics Identifies Altered Protein Dynamics of Relevance to Neurodegeneration <b>2022</b> ,	O
242	A conditional glutamatergic synaptic vesicle marker for Drosophila 2022,	1
241	Identification and characterization of mkk genes and their expression profiles in rainbow trout (Oncorhynchus mykiss) symptomatically or asymptomatically infected with Vibrio anguillarum <b>2021</b> , 121, 1-1	O
240	High-Performance Liquid ChromatographyMass Spectrometry in Peptide and Protein Analysis. 1-58	
239	Phenotyping of -A Nutritional Perspective <b>2022</b> , 12,	2

238	16S rRNA Gene-Based Metagenomic Analysis of Rhizosphere Soil Bacteria in Arkansas Rice Crop Fields. <b>2022</b> , 12, 222	1
237	Genomic and functional conservation of lncRNAs: lessons from flies <b>2022</b> , 1	2
236	From to Human: Biological Function of E3 Ligase Godzilla and Its Role in Disease 2022, 11,	О
235	Standards recommendations for the Earth BioGenome Project <b>2022</b> , 119,	4
234	Theoretical Principles of Enhancer-Promoter Communication in Transcriptional Bursting.	О
233	Sensing microbial infections in the Drosophila melanogaster genetic model organism 2022, 74, 35	1
232	Dissecting cricket genomes for the advancement of entomology and entomophagy 2022, 14, 75-97	2
231	Dynamic development of AT-rich heterochromatin has followed diversification and genome expansion of psammophilous Mycetophylax (Formicidae: Attini: Attina) <b>2022</b> ,	
230	Characterized Gene Repertoires and Functional Gene Reference for Forensic Entomology: Genomic and Developmental Transcriptomic Analysis of Aldrichina grahami (Diptera: Calliphoridae) <b>2022</b> ,	
229	What Have We Learned in 30 Years of Investigations on Transposons?. <b>2022</b> , 11,	1
228	Looking at Developmental Neurotoxicity Testing from the Perspective of an Invertebrate Embryo <b>2022</b> , 23,	Ο
227	The Mutagen-Sensitivity Gene Encodes <b>2022</b> , 13,	Ο
226	Translational relevance of forward genetic screens in animal models for the study of psychiatric disease <b>2022</b> , 104559	1
225	Computational gene finding in plants. <b>2002</b> , 48, 39-48	11
224	Surviving in a sea of data: a survey of plant genome data resources and issues in building data management systems. <b>2002</b> , 48, 59-74	2
223	Numerous groups of chromosomal regional paralogies strongly indicate two genome doublings at the root of the vertebrates. <b>2003</b> , 3, 53-63	33
222	More genes in vertebrates?. <b>2003</b> , 3, 75-84	23
221	Introns in, introns out in plant gene families: a genomic approach of the dynamics of gene structure. <b>2003</b> , 3, 111-6	49

220	Nuclear receptors are markers of animal genome evolution. 2003, 3, 177-84	14
219	Cricket: The third domesticated insect <b>2022</b> , 147, 291-306	
218	Pionierentwicklungen in der Gentechnik. <b>2022</b> , 135-175	
217	Assessing species coverage and assembly quality of rapidly accumulating sequenced genomes <b>2022</b> , 11,	3
216	Invertebrate Model Organisms as a Platform to Investigate Rare Human Neurological Diseases <b>2022</b> , 31, 1-16	О
215	Does the pachytene checkpoint, a feature of meiosis, filter out mistakes in double-strand DNA break repair and as a side-effect strongly promote adaptive speciation?.	O
214	Nutrient Sensing via Gut in <b>2022</b> , 23,	1
213	Inter-Species Rescue of Mutant Phenotype-The Standard for Genetic Analysis of Human Genetic Disorders in Model <b>2022</b> , 23,	O
212	Once in a Generation: Pascal Mayer and the Birth of a Billion-Dollar Industry. <b>2022</b> , 1, 49-58	
211	Large-scale analysis of Drosophila core promoter function using synthetic promoters <b>2022</b> , 18, e9816	1
210	Evolutionary adaptation of the Polycomb repressive complex 2 <b>2022</b> , 15, 7	1
209	Carbonic Anhydrases in Metazoan Model Organisms: Molecules, Mechanisms, and Physiology <b>2022</b>	12
208	Systematic Identification of Microproteins during the Development of 2022,	1
207	Computational investigation of aphid odorant receptor structure and binding function <b>2022</b> , 1-12	O
206	Transfer of Human Microbiome to Drosophila Gut Model <b>2022</b> , 10,	
205	The role of insulators and transcription in 3D chromatin organization of flies 2022,	2
204	Improved basic cytogenetics challenges holocentricity of butterfly chromosomes.	О
203	Fly Cell Atlas: A single-nucleus transcriptomic atlas of the adult fruit fly <i>Science</i> , <b>2022</b> , 375, eabk2432 33.3	23

202	"Escalibur"-A practical pipeline for the de novo analysis of nucleotide variation in nonmodel eukaryotes <b>2022</b> ,	
201	Identification and Characterization of CYP6 Family Genes from the Oriental Fruit Moth () and Their Responses to Insecticides <b>2022</b> , 13,	O
200	Transposable element landscapes in aging Drosophila <b>2022</b> , 18, e1010024	2
199	miR-2055 regulates lipid metabolism via fatty acid synthase expression <b>2022</b> , 12, 210307	1
198	Functional Characterization of Allatostatin C (PISCF/AST) and Juvenile Hormone Acid O-Methyltransferase in <b>2022</b> , 23,	1
197	The spectraplakin Short stop regulates focal adhesion dynamics by crosslinking microtubules and actin <b>2022</b> , mbcE21090434	
196	A conditional GABAergic synaptic vesicle marker for Drosophila <b>2022</b> , 372, 109540	О
195	Functional olfactory evolution in and the subgenus <b>2022</b> , 25, 104212	2
194	The unfolding of the Hippo signaling pathway <b>2022</b> , 487, 1-1	O
193	A nuclear receptor HR4 is essential for the formation of epidermal cuticle in the migratory locust, Locusta migratoria <b>2022</b> , 103740	O
192	De novo genome assembly of Bradysia cellarum (Diptera: Sciaridae), a notorious pest in traditional special vegetables in China <b>2022</b> ,	О
191	Alterations in biogenic amines levels associated with age-related muscular tissue impairment in Drosophila melanogaster. <b>2022</b> , 29, 3739-3748	1
190	Molecular physiology of zinc in Drosophila melanogaster <b>2022</b> , 51, 100899	O
189	G protein-coupled receptors (GPCRs) in rotifers and cladocerans: Potential applications in ecotoxicology, ecophysiology, comparative endocrinology, and pharmacology <b>2022</b> , 109297	1
188	Exploring new genomic territories with emerging model insects <b>2022</b> , 100902	
187	The genome sequence of the avian vampire fly (Philornis downsi), an invasive nest parasite of Darwin's finches in Galpagos. <b>2021</b> ,	
186	Dosage sensitivity and exon shuffling shape the landscape of polymorphic duplicates in Drosophila and humans <b>2021</b> ,	0
185	Review on the Development and Applications of Medicinal Plant Genomes <b>2021</b> , 12, 791219	1

## (2020-2021)

184	HP1a-mediated heterochromatin formation inhibits high dietary sugar-induced tumor progression. <b>2021</b> , 12, 1130	1
183	Young duplicate genic DNA <b>2021</b> ,	
182	Human Endogenous Retroviruses as Gene Expression Regulators: Insights from Animal Models into Human Diseases <b>2021</b> , 44, 861-878	3
181	Whole genome sequencing of spotted stem borer, Chilo partellus, reveals multiple genes encoding enzymes for detoxification of insecticides <b>2022</b> , 1	
180	Drosophila melanogaster: a simple genetic model of kidney structure, function and disease 2022,	1
179	Identification of additional dye tracers for measuring solid food intake and food preference via consumption-excretion in Drosophila <b>2022</b> , 12, 6201	
178	Enantiomeric Discrimination in Insects: The Role of OBPs and ORs 2022, 13,	3
177	Expression of the Human Serotonin 5-HT Receptor Rescues Phenotype Profile and Restores Dysregulated Biomarkers in a Glioma Model <b>2022</b> , 11,	1
176	Data_Sheet_1.XLSX. <b>2018</b> ,	
175	Data_Sheet_2.DOCX. <b>2018</b> ,	
174	Data_Sheet_3.XLSX. <b>2018</b> ,	
173	Data_Sheet_4.XLSX. <b>2018</b> ,	
172	Data_Sheet_5.XLSX. 2018,	
171	Data_Sheet_6.XLSX. <b>2018</b> ,	
170	Data_Sheet_7.XLSX. <b>2018</b> ,	
169	Data_Sheet_8.XLSX. <b>2018</b> ,	
168	Data_Sheet_9.XLSX. <b>2018</b> ,	
167	DataSheet_1.docx. <b>2020</b> ,	



## (2019-2018)



130	Table_2.DOCX. <b>2019</b> ,	
129	Table_3.DOCX. <b>2019</b> ,	
128	Table_4.DOCX. <b>2019</b> ,	
127	Data_Sheet_1.PDF. <b>2020</b> ,	
126	Table_1.XLSX. <b>2020</b> ,	
125	Table_2.XLSX. <b>2020,</b>	
124	Table_3.DOCX. <b>2020</b> ,	
123	Image_1.pdf. <b>2019</b> ,	
122	Table_1.xlsx. <b>2019</b> ,	
121	A Genomics Perspective on RNA. <b>2022</b> , 91-122	
120	A promising discovery of anti-aging chemical conjugate derived from lipoic acid and sesamol established in Drosophila melanogaster.	1
119	Genome of a giant isopod, Bathynomus jamesi, provides insights into body size evolution and adaptation to deep-sea environment <b>2022</b> , 20, 113	O
118	Unraveling the importance of EF-hand mediated calcium signaling in plants. 2022,	1
117	Mapping by VESGEN of Wing Vein Phenotype in Drosophila for Quantifying Adaptations to Space Environments. <b>2015</b> , 3, 54-64	
116	Drosophila Brain Advanced Multiphoton Imaging. <b>2022</b> , 59-79	
115	Molecular and functional characterization of the Drosophila melanogaster conserved smORFome.	1
114	Estimating chromosome sizes from karyotype images enables validation of de novo assemblies.	
113	The utility of alternative models in particulate matter air pollution toxicology. <b>2022</b> , 3, 100077	O

112	Genomics and effective trait candidates of edible insects. <b>2022</b> , 101793	1
111	Genomic insights into evolution and control of Wohlfahrtia magnifica, a widely distributed myiasis-causing fly of warm-blooded vertebrates.	
110	Not all Is SET for Methylation: Evolution of Eukaryotic Protein Methyltransferases. <b>2022</b> , 3-40	
109	Next-Generation Sequencing Technologies: Approaches and Applications for Crop Improvement. <b>2022</b> , 31-94	1
108	Insect multicopper oxidase-2: Molecular properties, roles in cuticle formation, and impacts on evolutionary success of insects. <b>2022</b> , 273-337	О
107	Genomic architecture and sexually dimorphic expression underlying immunity in the red mason bee, Osmia bicornis.	O
106	Independently paced calcium oscillations in progenitor and differentiated cells in an ex vivo epithelial organ.	
105	Single-Cell Atlas of the Drosophila Leg Disc Identifies a Long Non-Coding RNA in Late Development. <b>2022</b> , 23, 6796	
104	Complex interactions between nicotine and resveratrol in the Drosophila melanogaster wing spot test. <b>2022</b> , 8, e09744	0
103	A chromosome-level genome assembly and intestinal transcriptome of Trypoxylus dichotomus (Coleoptera: Scarabaeidae) to understand its lignocellulose digestion ability. <b>2022</b> , 11,	O
102	Functional Studies of Genetic Variants Associated with Human Diseases in Notch Signaling-Related Genes Using Drosophila. <b>2022</b> , 235-276	0
101	Searching for Homologous Genes Using Daisychain. <b>2022</b> , 95-101	
100	Studies of neurodegenerative diseases using Drosophila and the development of novel approaches for their analysis. <b>2022</b> , 16, 275-298	1
99	Neuronal identity defines Bynuclein and tau toxicity.	
98	Gene Orthologs of Myogenic Regulatory Factors (MRF) Family and their Possible Functions in Echinoderms. <b>2022</b> , 48, 185-194	
97	A chromosome-level genome assembly of the orange wheat blossom midge, Sitodiplosis mosellana GBin (Diptera: Cecidomyiidae) provides insights into the evolution of a detoxification system.	
96	Genetic Background Matters: Population-Based Studies in Model Organisms for Translational Research. <b>2022</b> , 23, 7570	0
95	Invertebrate neurones, genomes, phenotypic and target-based screening: Their contributions to the search for new chemical leads and new molecular targets for the control of pests, parasites and disease vectors. <b>2022</b> , 105175	

94	Developmental genetics with model organisms. <b>2022</b> , 119,	7
93	REDfly: An Integrated Knowledgebase for Insect Regulatory Genomics. <b>2022</b> , 13, 618	O
92	DrosOmics: the comparative genomics browser to explore omics data in natural strains of D. melanogaster.	2
91	Molecular characterization of thioester-containing proteins in Biomphalaria glabrata and their differential gene expression upon Schistosoma mansoni exposure. 13,	
90	Angiotensin converting enzyme inhibitor captopril prevents neuronal overexpression of amyloid-beta and alpha-synuclein in Drosophila melanogaster genetic models of neurodegenerative diseases. <b>2022</b> , 37, 21-28	О
89	Cytological heterogeneity of heterochromatin among 10 sequenced Drosophila species.	O
88	Drosophila melanogaster: A platform for anticancer drug discovery and personalized therapies. 13,	1
87	The Nuclear-to-Cytoplasmic Ratio: Coupling DNA Content to Cell Size, Cell Cycle, and Biosynthetic Capacity. <b>2022</b> , 56,	O
86	Drosophila as a toolkit to tackle cancer and its metabolism. 12,	O
85	Dichotomous cis-regulatory motifs mediate the maturation of the neuromuscular junction by retrograde BMP signaling.	
84	Insights Into Chemosensory Proteins From Non-Model Insects: Advances and Perspectives in the Context of Pest Management. 13,	1
83	Next-generation large-scale binary protein interaction network for Drosophila.	O
82	A chromosome-level genome assembly provides insights into the environmental adaptability and outbreaks of Chlorops oryzae. <b>2022</b> , 5,	
81	Conferring the Midas Touch on Integrative Taxonomy: A Nanogold-Oligonucleotide Conjugate-Based Quick Species Identification Tool. <b>2022</b> , 2022, 1-10	
80	A gene-based capture assay for surveying patterns of genetic diversity and insecticide resistance in a worldwide group of invasive mosquitoes. <b>2022</b> , 16, e0010689	0
79	Validation of reference-assisted assembly using existing and novel Heliothine genomes. <b>2022</b> , 114, 110441	1
78	Drug effect and addiction research with insects From Drosophila to collective reward in honeybees. <b>2022</b> , 140, 104816	
77	Host-pathogen coevolution drives innate immune response to Aphanomyces astaci infection in freshwater crayfish: transcriptomic evidence. <b>2022</b> , 23,	О

76	Chromosome-level genome assembly of Monochamus saltuarius reveals its adaptation and interaction mechanism with pine wood nematode. <b>2022</b> , 222, 325-336	1
75	Adoption of Molecular Tools for Combatting the Arthropod Pests. 2022, 655-669	0
74	Animal Models for Cancer Research: The Choice of the Right Model System. 2022, 1-16	О
73	Meiotic crossover interference: Methods of analysis and mechanisms of action. 2022,	О
72	Genetics, genomics, and epigenetics. <b>2023</b> , 655-680	О
71	Interpreting alignment-free sequence comparison: what makes a score a good score?. <b>2022</b> , 4,	O
70	Expression of a homologue of a vertebrate non-visual opsin Opn3 in the insect photoreceptors. <b>2022</b> , 377,	1
69	CRISPR/Cas9 and FLP-FRT mediated multi-modular engineering of the cis-regulatory landscape of the bithorax complex of Drosophila melanogaster.	O
68	A novel P{lacW} insertion in the CG18135 gene of Drosophila melanogaster is linked to pupal lethality and gene overexpression in adult males.	0
67	Chromosomes: Noncoding DNA (Including Satellite DNA). 1-18	O
66	Drosophila melanogaster as an emerging model host for entomopathogenic fungi. 2022,	О
65	Structure and Epitope of a Neutralizing Monoclonal Antibody that Targets the Stem Helix of 🛭 Coronaviruses.	O
64	Widespread false gene gains caused by duplication errors in genome assemblies. <b>2022</b> , 23,	1
63	Cytochrome P450 Genes Expressed in Phasmatodea Midguts. <b>2022</b> , 13, 873	О
62	Drosophila as a Model Organism to Study Basic Mechanisms of Longevity. <b>2022</b> , 23, 11244	2
61	Review: The evolution of peptidergic signaling in Cnidaria and Placozoa, including a comparison with Bilateria. 13,	0
60	The Longan (Dimocarpus longan) Genome. <b>2022</b> , 87-109	0
59	Modeling of ACTN4-based podocytopathy using Drosophila nephrocytes. 2022,	О

58	The effects of doxapram (blocker of K2p channels) on resting membrane potential and synaptic transmission at the Drosophila neuromuscular junction. <b>2022</b> , 109497	O
57	Delayed discovery of Hsp60 and subsequent characterization of moonlighting functions of multiple Hsp60 genes in Drosophila: a personal historical perspective. <b>2022</b> , 101,	O
56	Knockdown of a Nicotinic Acetylcholine Receptor Subunit Gene Bdorll Decreases Susceptibility to Oxa-Bridged trans-instead of cis-Nitromethylene Neonicotinoid Insecticides in Bactrocera dorsalis. <b>2022</b> , 70, 13554-13562	О
55	Mass Spectrometric Proof of Predicted Peptides: Novel Adipokinetic Hormones in Insects. <b>2022</b> , 27, 6469	O
54	The Effect of Doxapram on Proprioceptive Neurons: Invertebrate Model. <b>2022</b> , 3, 566-588	0
53	Mapping-friendly sequence reductions: Going beyond homopolymer compression. <b>2022</b> , 25, 105305	O
52	Voltage-Gated Calcium Channels in Invertebrates. <b>2022</b> , 115-158	1
51	Insect Models in Nutrition Research. <b>2022</b> , 12, 1668	O
50	The genome of the bee louse fly reveals deep convergences in the evolution of social inquilinism.	0
49	Paralogous Genes Involved in Embryonic Development: Lessons from the Eye and other Tissues. <b>2022</b> , 13, 2082	0
48	The Molecular Characteristics of Two Metallothioneins in Ostrinia furnacalis and Expression Under Conditions of Heavy Metal Stress. <b>2022</b> , 102006	0
47	Subcellular Fractionation for DIGE-Based Proteomics. 2023, 351-362	2
46	Phased Genome Assemblies. 2023, 273-286	0
45	Review of the unique and dominant lectin pathway of complement activation in agnathans. <b>2023</b> , 140, 104593	O
44	Connecting Evolutionary Genomics to Cell Biology. <b>2016</b> , 356-362	0
43	Exercise Training Upregulates Cardiac mtp Expression in Drosophila melanogaster with HFD to Improve Cardiac Dysfunction and Abnormal Lipid Metabolism. <b>2022</b> , 11, 1745	O
42	Genome and Genetic Engineering of the House Cricket (Acheta domesticus): Applications for Sustainable Agriculture.	0
41	Delineating Purinergic Signaling in Drosophila. <b>2022</b> , 23, 15196	O

40	A Brief History of the Discovery of RNA-Mediated Antiviral Immune Defenses in Vector Mosquitos.	1
39	Insects in Research and Innovation. <b>2023</b> , 183-241	O
38	Hsp70/Hsp90 Organising Protein (Hop): Coordinating Much More than Chaperones. 2023, 81-125	О
37	marmitedefines a novel conserved neuropeptide family mediating nutritional homeostasis.	O
36	Insight into weevil biology from a reference quality genome of the boll weevil, Anthonomus grandis grandis Boheman (Coleoptera: Curculionidae).	0
35	Unconventional Myosins from Caenorhabditis elegans as a Probe to Study Human Orthologues. <b>2022</b> , 12, 1889	O
34	Transposon-derived transcription factors across metazoans.	1
33	Hyperpolarization Induced by Lipopolysaccharides but Not by Chloroform Is Inhibited by Doxapram, an Inhibitor of Two-P-Domain K+ Channel (K2P). <b>2022</b> , 23, 15787	O
32	FAXC Proteins of Vertebrates and Invertebrates: Relationship to Metaxin Proteins.	0
31	Exposure to polystyrene microplastic beads causes sex-specific toxic effects in the model insect Drosophila melanogaster. <b>2023</b> , 13,	1
30	Apocrine secretion in the salivary glands of Drosophilidae and other dipterans is evolutionarily conserved. 10,	О
29	Whole Animal Feeding FLat (WAFFL): a complete and comprehensive validation of a novel, high-throughput fly experimentation system.	O
28	Regular Exercise in Drosophila Prevents Age-Related Cardiac Dysfunction Caused by High Fat and Heart-Specific Knockdown of skd. <b>2023</b> , 24, 1216	О
27	Drosophila Models of Prion Diseases. <b>2023</b> , 313-349	O
26	Drosophila melanogaster as a Model to Study Fragile X-Associated Disorders. <b>2023</b> , 14, 87	О
25	Anthropological and Archaeological Aspects. <b>2012</b> , 540-634	O
24	Introduction to Genomic Diagnostics. <b>2019</b> , 38-75	О
23	What Has Genomics Taught An Evolutionary Biologist?. <b>2023</b> ,	O

22	Protein-Based Biological Materials: Molecular Design and Artificial Production.	Ο
21	Animal Models for Cancer Research: The Choice of the Right Model System. <b>2023</b> , 49-63	O
20	CRISPR/Cas9 and FLP-FRT mediated regulatory dissection of the BX-C of Drosophila melanogaster. <b>2023</b> , 31,	0
19	The Genetic Mechanisms Underlying the Concerted Expression of the yellow and tan Genes in Complex Patterns on the Abdomen and Wings of Drosophila guttifera. <b>2023</b> , 14, 304	O
18	The structure and function prediction of protein involved in toxin metabolism in Drosophila melanogaster. <b>2023</b> ,	0
17	Recent advances in crustacean genomics and their potential application in aquaculture.	O
16	Assembly of a Draft Genome for the Mouse Ectoparasite Myocoptes musculinus. 2023, 62, 55-63	O
15	The genome of sheep ked (Melophagus ovinus) reveals potential mechanisms underlying reproduction and narrower ecological niches. <b>2023</b> , 24,	O
14	Pyruvate dehydrogenase fuels a critical citrate pool that is essential for Th17 cell effector functions. <b>2023</b> , 42, 112153	0
13	A consensus phosphoserine within the large cytoplasmic loop of insect nAChR 8 subunits modulated interaction between 14-3-3 and nAChRs to regulate neonicotinoid efficacy. 2023, 192, 105384	О
12	Genes and Genomes. <b>2021</b> , 45-86	O
11	Bacterial lipopolysaccharide hyperpolarizes the membrane potential and is antagonized by the K2p channel blocker doxapram. <b>2023</b> , 266, 109571	O
10	Drosophila melanogaster as a versatile model organism to study genetic epilepsies: An overview. 16,	0
9	A proteasomal <b>B</b> subunit of Haemonchus contortus with a role in the growth, development and life span. <b>2023</b> , 16,	O
8	Neuronal identity defines Bynuclein and tau toxicity. <b>2023</b> ,	0
7	Omics and Remote Homology Integration to Decipher Protein Functionality. 2023, 61-81	O
6	Genome and Genetic Engineering of the House Cricket (Acheta domesticus): A Resource for Sustainable Agriculture. <b>2023</b> , 13, 589	0
5	Benchmarking datasets for assembly-based variant calling using high-fidelity long reads. <b>2023</b> , 24,	Ο

## CITATION REPORT

4	Distributed and Concentrated Strategies in the Sequencing of the Yeast Genome. <b>2023</b> , 41-77	Ο
3	Tropical super flies: Integrating Cas9 into Drosophila ananassae and its phenotypic effects. <b>2023</b> , 147, 104516	O
2	Insights from Drosophila on Alland tau-induced mitochondrial dysfunction: mechanisms and tools. 17,	O
1	Large-scale long terminal repeat insertions produced a significant set of novel transcripts in cotton.	O