

Table S5

Selected gametogenesis genes identified in the *de novo* *G. bimaculatus* transcriptome

Process	# Hits	Hit ID (A/S)	Length (range)	Query Gene	Transcriptome Sequence Names
<b>SPERMATOGENESIS<sup>1</sup></b>					
<b>TRANSCRIPTION FACTORS</b>					
<i>Enhancer of bithorax</i>	1	A	4242	<i>E(bx)</i>	contig15318
<i>eyes absent</i>	1	S	401	<i>eya</i>	GFJY65E01EO7KL
<i>Heat shock factor</i>	4	A	3119-3268	<i>Hsf</i>	isotig01705, isotig01704, isotig01703, isotig01702
<i>maleless</i>	1	A	3818	<i>mle</i>	isotig05146
<i>MBD-like</i>	7	A	694-1211	<i>MBD-like</i>	isotig01061, isotig01060, isotig01064, isotig01063, isotig01062, isotig01066, isotig01065
<i>Myb oncogene-like</i>	1	A	3771	<i>Myb</i>	isotig08042
<i>Rfx</i>	1	A	1001	<i>Rfx</i>	isotig12547
<i>TATA box binding protein-related factor 2</i>	3	A, S	399-3469	<i>Trf2</i>	GFPC6CO01B8937, isotig01886, isotig01885
<b>CYTOSKELETON</b>					
<i>Adenomatous popylosis coli tumor suppressor homolog (APC)</i>	4	S	208-470	<i>Apc</i>	GFPC6CO02IKY6E, GFPC6CO01CGKAB, GFJY65E01EDMSG, GFJY65E01D5QKT
<i>Adenomatous popylosis coli tumor suppressor homolog 2</i>	2	S	315-470	<i>Apc2</i>	GFPC6CO02IKY6E, GFJY65E01D5QKT
<i>beta tubulin</i>	2	A	546-950	<i>Btub56D</i>	contig00262, contig00455

<sup>1</sup> Although we did not include cDNA derived from adult testes in our sequencing libraries, we nonetheless chose to perform manual annotation of genes known to be involved in *D. melanogaster* spermatogenesis since the creation of the testis germ line stem cell niche takes place during embryogenesis in *D. melanogaster* (Aboïm AN (1945) Développement embryonnaire et post-embryonnaire des gonades normales et agamétiques de *Drosophila melanogaster*. Revue Suisse de Zoologie 3: 53-154; Le Bras S, Van Doren M (2006) Development of the male germline stem cell niche in *Drosophila*. Developmental Biology 294: 92-103.) and in orthopterans 3. Nelsen OE (1931) Life cycle, sex differentiation, and testis development in *Melanoplus differentialis* (Acrididae, Orthoptera). Journal of Morphology 51: 467-525.)

<i>cortactin</i>	1	A	1147	<i>Cortactin</i>	isotig11852
<i>diaphanous</i>	1	S	237	<i>dia</i>	FQTBZRY01CIL7E
<i>jaguar</i>	3	A	958-2609	<i>jar</i>	isotig12791, isotig12012, isotig08822
<i>Kinesin like protein at 61F</i>	3	A	2102-3639	<i>Klp61F</i>	isotig01563, isotig01564, isotig01565
<i>Myosin 31DF</i>	2	A	1018-1306	<i>Myo31DF</i>	isotig11312, isotig12459
<i>peanut</i>	1	A	1957	<i>pnut</i>	isotig09723
<i>Rac1</i>	1	A	2954	<i>Rac1</i>	isotig08497
<i>Spectrin 1</i>	4	A	409-2155	<i><math>\alpha</math>-Spec</i>	isotig09397, isotig10052, isotig15468, isotig19330
<i>spindle assembly abnormal 6</i>	1	A	2655	<i>sas-6</i>	isotig05533
<i>subito</i>	1	A	2615	<i>sub</i>	contig14686
<i>twinstar</i>	2	A	513-2077	<i>tsr</i>	isotig00493, isotig00494
<i>zipper</i>	2	A	3077-3958	<i>zip</i>	isotig05158, isotig08407
<b>OTHER PROCESSES IN SPERMATOGENESIS</b>					
<i>armitage</i>	1	A	4095	<i>armi</i>	isotig07934
<i>asterless</i>	1	A	3788	<i>asl</i>	isotig08040
<i>aubergine</i>	2	A	2674-2784	<i>aub</i>	isotig07461, isotig07462
<i>boule</i>	1	S	203	<i>bol</i>	GFJY65E01B4FFK
<i>bride of sevenless</i>	1	A	3134	<i>boss</i>	isotig08354
<i>Btk family kinase at 29A</i>	2	A	915-1545	<i>Btk29A</i>	isotig06869, isotig10647
<i>Bub1-related kinase</i>	1	A	4209	<i>BubR1</i>	isotig07912
<i>Calmodulin</i>	3	A	1591-1698	<i>Cam</i>	isotig00266, isotig00265, isotig00264
<i>capsuleen</i>	2	A	3725-3816	<i>csul</i>	isotig01229, isotig01228
<i>cdc2</i>	1	A	2078	<i>cdc2</i>	isotig03292
<i>courtless</i>	1	A	1123	<i>crl</i>	isotig11993
<i>Cyclin A</i>	1	A	3049	<i>CycA</i>	isotig03226
<i>Cytochrome c proximal</i>	1	A	636	<i>Cyt-c-p</i>	contig10573
<i>Cytochrome c distal</i>	1	A	778	<i>Cyt-c-d</i>	isotig14404
<i>Dynamin related protein 1</i>	4	A	908-3502	<i>Drp1</i>	isotig13131, isotig01328, isotig01327, isotig01326
<i>effete</i>	2	A	3342-4080	<i>eff</i>	isotig01782, isotig01780
<i>Fmr1</i>	2	A	1038-1053	<i>Fmr1</i>	isotig06512, isotig06513
<i>Fps oncogene analog</i>	1	A	328	<i>Fps85D</i>	isotig19747
<i>glass bottom boat</i>	1	A	1625	<i>gbb</i>	isotig07565

<i>gilgamesh</i>	1	A	2691	<i>gish</i>	isotig08729
<i>hephaestus</i>	2	S	201-359	<i>heph</i>	GE8SX9M01A0TGF, <b>FQTBZRY02F9D2F</b>
<i>Ice</i>	2	A	1620-1800	<i>Ice</i>	isotig04366, isotig10455
<i>karyopherin α1</i>	1	A	1309	<i>Kap-α1</i>	isotig11303
<i>loquacious</i>	1	A	2867	<i>loqs</i>	isotig02873
<i>Microcephalin</i>	2	A	3384-4822	<i>MCPH1</i>	isotig04588, isotig04589
<i>Myt1</i>	1	A	3433	<i>Myt1</i>	isotig04225
<i>Nedd2-like caspase</i>	1	A	2900	<i>Nc</i>	isotig03487
<i>parkin</i>	2	A	3339-3502	<i>park</i>	isotig04723, isotig04722
<i>pavarotti</i>	2	A	2221-2661	<i>pav</i>	isotig03050, isotig03049
<i>pelota</i>	1	A	922	<i>pelo</i>	contig17247
<i>piwi</i>	1	A	1277	<i>piwi</i>	isotig11428
<i>pole hole</i>	1	A	4282	<i>phl</i>	isotig07892
<i>punt</i>	1	S	441	<i>put</i>	GE8SX9M01B9MGK
<i>Rab-protein 11</i>	1	A	2448	<i>Rab11</i>	isotig00835
<i>Rheb</i>	1	A	953	<i>Rheb</i>	contig21414
<i>shotgun</i>	1	A	4583	<i>shg</i>	isotig04828
<i>shut down</i>	2	A	2449-3029	<i>shu</i>	isotig04931, isotig04930
<i>string</i>	1	A	911	<i>stg</i>	isotig13103
<i>Syntaxin 5</i>	3	A	2683-3493	<i>Syx5</i>	isotig01824, isotig01823, isotig01825
<i>transformer 2</i>	1	A	836	<i>tra2</i>	contig12123
<i>terribly reduced optic lobes</i>	1	A	690	<i>trol</i>	isotig15574
<i>uncoordinated</i>	1	A	2116	<i>unc</i>	isotig09457
<i>vav</i>	1	A	2068	<i>vav</i>	isotig09529
<i>ypsilon schachtel</i>	1	A	2601	<i>yps</i>	isotig03079
<b>OOGENESIS</b>					
<b>MAINTENANCE AND DIVISION OF GERM LINE STEM CELLS</b>					
<i>armadillo</i>	1	A	3974	<i>arm</i>	isotig05341
<i>Axin</i>	2	A	1769-2651	<i>Axn</i>	isotig00276, isotig08771
<i>Dicer-1</i>	1	A	2177	<i>Dcr-1</i>	isotig09376
<i>dishevelled</i>	2	A	2448-5763	<i>dsh</i>	isotig07449, isotig07448
<i>effete</i>	2	A	3342-4080	<i>eff</i>	isotig01782, isotig01780

Table S5 Page 3 of 10



<i>Helicase at 25E</i>	2	S	277-341	<i>Hel25E</i>	GFJY65E01EGNY3, GE8SX9M01BJ16P
<i>hu-li tai shao</i>	6	A	2255-2885	<i>hts</i>	isotig01647, isotig01646, isotig01645, isotig01644, isotig01643, isotig01642
<i>Kinesin heavy chain</i>	2	A	3918-7009	<i>Khc</i>	isotig04492, isotig04493
<i>licorne</i>	1	A	2845	<i>lic</i>	contig18303
<i>lkb1</i>	2	A	3048-3216	<i>lkb1</i>	isotig01200, isotig01199
<i>maelstrom</i>	1	A	2668	<i>mael</i>	isotig06013
<i>okra</i>	1	A	1794	<i>okr</i>	isotig10034
<i>par-1</i>	1	A	889	<i>par-1</i>	isotig07610
<i>par-6</i>	1	A	3994	<i>par-6</i>	isotig07961
<i>pipsqueak</i>	1	A	1991	<i>Rab-6</i>	isotig09661
<i>tudor</i>	1	A	3025	<i>spn-E</i>	contig00220
<b>FORMATION OF DV AXIS</b>					
<i>cappuccino</i>	2	A	817-866	<i>capu</i>	isotig06798, isotig06799
<i>orb</i>	1	A	4765	<i>orb</i>	isotig00462
<i>pipe</i>	1	A	6608	<i>pip</i>	isotig07697
<i>squid</i>	1	A	1546	<i>sqd</i>	isotig00544
<i>trailer hitch</i>	2	A	263-493	<i>tral</i>	isotig18126, isotig07398
<b>ACTING EARLY IN FOLLICLE CELLS (DORSAL GROUP)</b>					
<i>big brain</i>	3	S	298-515	<i>bib</i>	GE8SX9M01BXNN0, GFJY65E01CFBEX, GFCP6CO01EV5QZ
<i>bunched</i>	1	A	869	<i>bun</i>	isotig13467
<i>Chorion factor 2</i>	1	S	147	<i>Cf2</i>	GFCP6CO01DSOAR
<i>corkscrew</i>	1	S	266	<i>csw</i>	GE8SX9M02G96K3
<i>dodo</i>	2	A	1975-1994	<i>dod</i>	isotig05499, isotig05500
<i>broad</i>	1	A	904	<i>br</i>	isotig13160
<i>torpedo</i>	1	A	1099	<i>Egfr</i>	isotig12088
<i>Ets at 97D</i>	1	A	2149	<i>Ets97D</i>	isotig05797
<i>kibra ortholog</i>	1	A	974	<i>kibra</i>	isotig12669
<i>mago nashi</i>	1	A	1021	<i>mago</i>	isotig12375
<i>Notch</i>	4	A, S	423-2816	<i>Notch</i>	isotig14599, GE8SX9M01BNVPA, isotig12243, isotig08601
<i>pointed</i>	1	S	314	<i>pnt</i>	GFCP6CO01CJJKD
<i>Rac1</i>	1	A	2954	<i>Rac1</i>	isotig08497

<i>Ras oncogene at 85D</i>	2	A	2078-2467	<i>Ras85D</i>	isotig09494, isotig08979
<i>rolled</i>	1	A	799	<i>rl</i>	isotig14164
<i>singed</i>	1	S	239	<i>sn</i>	GE8SX9M01EZ3K3
<b>TERMINAL GENES</b>					
<i>SHC-adaptor protein</i>	2	A	2374-2640	<i>Shc</i>	isotig05081, isotig05082
<i>torso-like</i>	1	S	174	<i>ts1</i>	GFCP6CO02G92YK
<b>LIGANDS, RECEPTORS &amp; EFFECTORS</b>					
<i>hopscotch</i>	1	A	2719	<i>hop</i>	isotig04276
<i>Keren</i>	1	A	1803	<i>Krn</i>	isotig10026
<i>kugelei</i>	1	A	729	<i>kug</i>	isotig15037
<i>Medea</i>	1	A	729	<i>Med</i>	isotig15042
<i>Mothers against dpp</i>	1	A	2120	<i>Mad</i>	isotig09444
<i>Protein tyrosine phosphatase 69D</i>	2	A, S	471-1475	<i>Ptp69D</i>	isotig10837, <b>GFCP6CO02HK6UL</b>
<i>punt</i>	1	S	441	<i>put</i>	GE8SX9M01B9MGK
<i>saxophone</i>	1	A	4561	<i>sax</i>	isotig07822
<i>shotgun</i>	1	A	4583	<i>shg</i>	isotig04828
<i>Star</i>	1	A	4011	<i>S</i>	isotig07955
<i>STAT</i>	1	A	2243	<i>Stat92E</i>	isotig03185
<b>GENES AFFECTING CYTOSKELETON</b>					
<i>adnormal spindle</i>	1	A	6563	<i>asp</i>	isotig07699
<i>alpha actinin</i>	1	A	2837	<i>Actn</i>	isotig08592
<i>Btk family kinase at 29A</i>	2	A	915-1545	<i>Btk29A</i>	isotig06869, <b>isotig10647</b>
<i>capulet</i>	1	A	3379	<i>capt</i>	isotig04236
<i>Cdc42</i>	1	A	2958	<i>Cdc42</i>	isotig03915
<i>Ced-12</i>	1	A	3012	<i>Ced-12</i>	isotig08450
<i>chromosome bows</i>	1	A	1067	<i>chb</i>	isotig12228
<i>sticky</i>	1	A	3121	<i>sti</i>	isotig08364
<i>Cortactin</i>	1	A	1147	<i>Cortactin</i>	isotig11852
<i>diaphanous</i>	2	S	237-429	<i>dia</i>	FQTBZRY01CIL7E, <b>GFJY65E01CBNCA</b>
<i>qenghis khan</i>	1	A	2408	<i>gek</i>	isotig09046
<i>jaquar</i>	3	A	958-2609	<i>jar</i>	isotig12791, <b>isotig12012</b> , <b>isotig08822</b>
<i>kette</i>	1	A	5316	<i>Hem</i>	isotig07736
<i>Kinesin associated protein 3</i>	1	A	3027	<i>Kap3</i>	contig12721
<i>klarsicht</i>	1	A	1805	<i>klar</i>	isotig10023

<i>Lamin</i>	1	A	1757	<i>Lam</i>	contig17155
<i>Lissencephaly</i>	1	A	4309	<i>Lis-1</i>	isotig02186
<i>mushrom body defect</i>	1	A	2026	<i>mud</i>	contig12641
					GFJY65E01DWNJO,GFJY65E01DDZGX, isotig00295, isotig00293, <b>GE8SX9M02JKH1C</b> , <b>GE8SX9M01EGTZF</b> , GFCP6C001CRFSJ, <b>GE8SX9M02F0G9A</b>
<i>rho-type guanine exchange factor</i>	8	A, S	234-1847	<i>rtGEF</i>	
<i>short stop</i>	3	A	673-1571	<i>shot</i>	isotig13049, isotig10577, isotig15743
<i>spaghetti squash</i>	3	A	616-1053	<i>sqh</i>	contig15080, isotig00107, isotig00106
<i>Src oncogene at 42A</i>	1	A	1787	<i>Src42A</i>	isotig04219
<i>subito</i>	1	A	2615	<i>sub</i>	contig14686
<i>Suppressor of proflin 2</i>	1	A	1695	<i>Sop2</i>	isotig06657
<i>twinstar</i>	2	A	513-2077	<i>tsr</i>	isotig00493, isotig00494
<i>washout</i>	1	A	608	<i>wash</i>	isotig07224
<i>zipper</i>	1	A	3958	<i>zip</i>	isotig05158
<b>OTHER GENES INVOLVED IN OOGENESIS</b>					
<i>altered disjunction</i>	3	A	3259-3423	<i>ald</i>	isotig03616, isotig03615, isotig03614
<i>archipelago</i>	1	A	4393	<i>ago</i>	isotig00333
<i>chiffon</i>	1	A	3144	<i>chif</i>	isotig08349
<i>Cyclin-dependent kinase 7</i>	1	A	2272	<i>Cdk7</i>	isotig02269
<i>Cyclin-dependent kinase subunit30A</i>	1	A	1011	<i>Cks30A</i>	isotig06131
<i>Cyclin E</i>	6	A	1521-3799	<i>CycE</i>	isotig01638, isotig01637, isotig01636, isotig01641, isotig01640, isotig01639
<i>double parked</i>	1	A	5242	<i>dup</i>	isotig07741
<i>E2F transcription factor</i>	1	A	918	<i>E2f</i>	isotig13069
<i>geminin</i>	1	A	921	<i>geminin</i>	isotig04440
<i>imaginal discs arrested</i>	1	A	5406	<i>ida</i>	isotig07735
<i>loki</i>	1	A	2488	<i>lok</i>	isotig05744
<i>meiotic 41</i>	1	A	1228	<i>mei-41</i>	isotig11599
<i>Microcephalin</i>	2	A	3384-4822	<i>MCPH1</i>	isotig04588, isotig04589
<i>morula</i>	2	A	1648-1877	<i>mr</i>	isotig09875, isotig10364
<i>mutagen-sensitive 209</i>	1	A	1396	<i>mus209</i>	isotig00238
<i>Myb oncogene-like</i>	1	A	3771	<i>Myb</i>	isotig08042
<i>Myt1</i>	1	A	3433	<i>Myt1</i>	isotig04225
<i>pitchoune</i>	1	A	3126	<i>pit</i>	isotig04252
<i>sarah</i>	1	A	3505	<i>sra</i>	isotig08135
<i>twins</i>	2	A	2511-3747	<i>tw</i>	isotig04782, isotig04783
<i>abstrakt</i>	1	A	1429	<i>abs</i>	isotig10965

<i>anterior open</i>	1	A	4007	<i>aop</i>	isotig07960
<i>aubergine</i>	2	A	2674-2784	<i>aub</i>	isotig07461, isotig07462
<i>Autophagy-specific gene 1</i>	1	A	1467	<i>Atg1</i>	contig16688
<i>basket</i>	1	S	230	<i>bsk</i>	GFJY65E01CRM61
<i>blistered</i>	2	S	233-241	<i>bs</i>	GE8SX9M02GMAG7, GFJY65E02FKS1J
<i>brainiac</i>	1	A	1870	<i>brn</i>	isotig09883
<i>Bruce</i>	1	A	4923	<i>Bruce</i>	isotig07779
<i>capsuleen</i>	2	A	3725-3816	<i>csul</i>	isotig01229, isotig01228
<i>Calmodulin-binding protein related to a Rab3 GDP/GTP exchange protein</i>	2	A	1233-2207	<i>Crag</i>	isotig07677, isotig09331
<i>combgap</i>	1	A	3604	<i>cg</i>	isotig08105
<i>Cyclic-AMP response element binding protein A</i>	1	A	3290	<i>CrebA</i>	isotig08237
<i>C-terminal binding protein</i>	3	A, S	239-624	<i>CtBP</i>	isotig16142, GE8SX9M01EF4BJ, FQTBZRY01BYCPR
<i>cut</i>	1	S	247	<i>ct</i>	FQTBZRY02GRN27
<i>Death related ccd-3/Nedd2-like protein</i>	1	A	2732	<i>Dredd</i>	isotig08688
<i>Ecdysone-induced protein 63E</i>	2	A	3994-4024	<i>Eip63E</i>	isotig02121, isotig02120
<i>ecdysoneless</i>	4	A, S	372-3069	<i>ecd</i>	isotig17485, isotig19531, GF6CP6CO01D3B2B, isotig08412
<i>eggless</i>	2	A	2986-3019	<i>egg</i>	isotig04831, isotig04830
<i>extra macrochaetae</i>	1	S	201	<i>emc</i>	FQTBZRY02G5SHM
<i>fat facets</i>	5	A	1816-3259	<i>faf</i>	isotig01188, isotig01187, isotig01186, isotig01185, isotig01184
<i>fruitless</i>	2	A	1313-1618	<i>fru</i>	isotig06010, isotig06009
<i>G protein-coupled receptor kinase 2</i>	1	A	1632	<i>Gprk2</i>	isotig00416
<i>G protein <math>\alpha</math> 47A</i>	1	A	2901	<i>G-<math>\alpha</math>47A</i>	isotig05513
<i>poly U binding factor 68kD</i>	2	A	3724-3736	<i>pUf68</i>	isotig01566, isotig01567
<i>Heat shock factor</i>	4	A	3119-3268	<i>Hsf</i>	isotig01705, isotig01704, isotig01703, isotig01702
<i>Heat-shock-protein-70</i>	3	A	2209-2595	<i>Hsp70</i>	isotig09115, isotig00207, isotig00208
<i>Hepatocyte growth factor regulated tyrosine kinase substrate</i>	4	A, S	344-583	<i>Hrs</i>	isotig16755, GE8SX9M02I536Z, GE8SX9M01EC494, GE8SX9M01BQDQK
<i>hephaestus</i>	2	S	201-359	<i>heph</i>	GE8SX9M01A0TGF, FQTBZRY02F9D2F
<i>Ice</i>	2	A	1620-1800	<i>Ice</i>	isotig04366, isotig10455
<i>jing</i>	2	S	366-427	<i>jing</i>	GF6CP6CO01CJPNC, GE8SX9M02FPBO4
<i>jumeau</i>	1	A	3251	<i>jumu</i>	isotig08268
<i>leonardo</i>	2	A	3053-3220	<i>14-3-3<math>\zeta</math></i>	isotig03712, isotig03711
<i>lethal (2) giant larvae</i>	2	A	1879-2573	<i>l(2)gl</i>	contig15364, contig15365
<i>Lipid storage droplet-2</i>	1	A	1861	<i>Lsd-2</i>	isotig06100
<i>Liprin-<math>\alpha</math></i>	3	A	982-1158	<i>Liprin-<math>\alpha</math></i>	isotig03903, isotig03902, isotig03901



<i>maternal expression at 31B</i>	1	A	3408	<i>me31B</i>	isotig00511
<i>Merlin</i>	1	A	4062	<i>Mer</i>	isotig07940
<i>Methoprene-tolerant</i>	1	S	420	<i>Met</i>	GFCP6CO01DP0NH
<i>microtubule star</i>	1	A	1734	<i>mts</i>	isotig00164
<i>mini spindles</i>	2	A	2315-4784	<i>msps</i>	isotig07797, isotig09181
<i>misshapen</i>	1	S	327	<i>msn</i>	GE8SX9M01DYBJ8
<i>moira</i>	1	A	2758	<i>mor</i>	isotig08664
<i>Nedd2-like caspase</i>	1	A	2900	<i>Nc</i>	isotig03487
<i>nicastrin</i>	2	A	2050-1886	<i>nct</i>	isotig03085, isotig03084
<i>Niemann-Pick type C-2a</i>	1	A	1095	<i>Npc2a</i>	contig15402
				<i>Nop60</i>	
<i>Nucleolar protein at 60B</i>	1	A	878	<i>B</i>	contig09572
<i>O-fucosyltransferase 1</i>	1	A	3328	<i>O-fut1</i>	isotig08223
<i>Ornithine decarboxylase antizyme</i>	1	A	2621	<i>Oda</i>	isotig08802
<i>PDGF- and VEGF-receptor related</i>	1	A	2602	<i>Pvr</i>	isotig08816
<i>pollux</i>	1	A	3676	<i>plx</i>	isotig08081
<i>polyhomeotic distal</i>	1	A	1608	<i>ph-d</i>	isotig10480
<i>polyhomeotic proximal</i>	1	S	514	<i>ph-p</i>	GFCP6CO02H0634
<i>Presenilin</i>	2	A	1999-3017	<i>Psn</i>	isotig03035, isotig03036
<i>Rab-protein 5</i>	2	A	3300-3532	<i>Rab5</i>	isotig02948, isotig02947
<i>Rab-protein 11</i>	1	A	2448	<i>Rab11</i>	isotig00835
<i>rotund</i>	1	S	186	<i>rn</i>	FQTBZRY02G28N8
<i>scribbled</i>	2	A, S	427-696	<i>scrib</i>	isotig15514, <b>GE8SX9M01C2HSN</b>
<i>skittles</i>	1	S	311	<i>sktl</i>	GE8SX9M01DH70U
<i>SNF1A/AMP-activated protein kinase</i>	1	A	2566	<i>SNF1A</i>	isotig05865
<i>Snf5-related 1</i>	1	A	3127	<i>Snr1</i>	isotig08358
<i>spinster</i>	1	A	3143	<i>spin</i>	isotig00443
<i>SH2 ankyrin repeat kinase</i>	1	A	3892	<i>shark</i>	isotig07997
<i>strawberry notch</i>	2	A	2330-2459	<i>sno</i>	isotig09159, <b>isotig08990</b>
<i>suppressor of Hairy wing</i>	2	A	1790-1907	<i>su(Hw)</i>	isotig01368, isotig01367
<i>Suppressor of variegation 3-3</i>	2	A, S	335-422	<i>Su(var)3-3</i>	isotig19729, GFCP6CO01BGKBV
<i>Syntaxin 1A</i>	1	A	4416	<i>Syx1A</i>	isotig04870
<i>TATA box binding protein-related factor 2</i>	2	A	3377-3469	<i>Trf2</i>	isotig01886, isotig01885
<i>TBP-associated factor 1</i>	1	A	5541	<i>Taf1</i>	isotig04746
<i>terribly reduced optic lobes</i>	1	A	690	<i>trol</i>	isotig15574
<i>Trithorax-like</i>	1	A	1267	<i>Trl</i>	isotig11437
<i>warts</i>	1	A	734	<i>wts</i>	isotig14894
<i>widerborst</i>	1	A	2141	<i>wdb</i>	contig21405

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