

Supplementary Table 1

Event	Gene
Class 2 #0	CG2999
Class 2 #10	CG31721
Class 2 #11	CG31757
Class 2 #12	FBgn0043841
Class 2 #15	CG17322
Class 2 #15	CG17323
Class 2 #16	CG40006
Class 2 #18	CG17520
Class 2 #18	CG40452
Class 2 #19	CG10521
Class 2 #19	CG10811
Class 2 #19	CG11049
Class 2 #19	CG11059
Class 2 #19	CG11066
Class 2 #19	CG11081
Class 2 #19	CG11093
Class 2 #19	CG11153
Class 2 #19	CG11163
Class 2 #19	CG11186
Class 2 #19	CG12199
Class 2 #19	CG12840
Class 2 #19	CG1347
Class 2 #19	CG14438
Class 2 #19	CG14476
Class 2 #19	CG1464
Class 2 #19	CG1495
Class 2 #19	CG17018
Class 2 #19	CG17131
Class 2 #19	CG1740
Class 2 #19	CG17484
Class 2 #19	CG17520
Class 2 #19	CG17704
Class 2 #19	CG17947
Class 2 #19	CG18069
Class 2 #19	CG18362
Class 2 #19	CG1981
Class 2 #19	CG2052
Class 2 #19	CG2165
Class 2 #19	CG2201
Class 2 #19	CG2316
Class 2 #19	CG2682
Class 2 #19	CG2944
Class 2 #19	CG30437
Class 2 #19	CG30438
Class 2 #19	CG30440

Class 2 #19	CG31000
Class 2 #19	CG31612
Class 2 #19	CG31700
Class 2 #19	CG31703
Class 2 #19	CG3305
Class 2 #19	CG33217
Class 2 #19	CG33521
Class 2 #19	CG33554
Class 2 #19	CG33558
Class 2 #19	CG33653
Class 2 #19	CG33978
Class 2 #19	CG3777
Class 2 #19	CG40129
Class 2 #19	CG40130
Class 2 #19	CG40300
Class 2 #19	CG40452
Class 2 #19	CG40470
Class 2 #19	CG40500
Class 2 #19	CG41435
Class 2 #19	CG41480
Class 2 #19	CG41481
Class 2 #19	CG41516
Class 2 #19	CG5227
Class 2 #19	CG5929
Class 2 #19	CG6448
Class 2 #19	CG7446
Class 2 #19	CG7873
Class 2 #19	CG8663
Class 2 #19	CG8666
Class 2 #19	CG8779
Class 2 #19	CG9256
Class 2 #19	CG9339
Class 2 #19	CG9765
Class 2 #19	FBgn0032960
Class 2 #19	FBgn0032960
Class 2 #19	FBgn0032960
Class 2 #19	FBgn0039916
Class 2 #19	FBgn0051619
Class 2 #2	CG31975
Class 2 #2	CG4648
Class 2 #20	CG30440
Class 2 #21_	CG8376
Class 2 #23	CG2173
Class 2 #23	R
Class 2 #24	LvpD
Class 2 #25	CG8226
Class 2 #25	CG8230

Class 2 #25	Tom7
Class 2 #26	CG13743
Class 2 #28	CG8505
Class 2 #29	CG6016
Class 2 #30	CG18076
Class 2 #31	CG15706
Class 2 #31	CG3666
Class 2 #32	CG10911
Class 2 #33	CG14496
Class 2 #34	CG17921
Class 2 #34	CG17922
Class 2 #35	CG1078
Class 2 #35	CG13499
Class 2 #35	CG9783
Class 2 #37	CG3894
Class 2 #37	Ep
Class 2 #39	CG2469
Class 2 #39	CG9153
Class 2 #44	Aprt
Class 2 #44	CG13937
Class 2 #45	CG17723
Class 2 #46	CG11350
Class 2 #46	CG7465
Class 2 #5	CG31955
Class 2 #5	cutlet
Class 2 #51	CG9425
Class 2 #51	NHP2
Class 2 #52	CG12310
Class 2 #52	CG13022
Class 2 #52	CG18581
Class 2 #53	CG32183
Class 2 #53	CG6034
Class 2 #54	CG5577
Class 2 #54	CG7446
Class 2 #55	mu
Class 2 #57	CG1078
Class 2 #57	CG9783
Class 2 #58	CG4757
Class 2 #58	Ugt86Da
Class 2 #58	Ugt86Dc
Class 2 #59	CG4210
Class 2 #59	CG6654
Class 2 #6	CG7742
Class 2 #61	FBgn0083954
Class 2 #65	CG14520
Class 2 #66	CG11951
Class 2 #66	SP1029

Class 2 #67	CG11504
Class 2 #67	CG7903
Class 2 #67	CG7908
Class 2 #68	CG31524
Class 2 #68	CG9698
Class 2 #68	FBgn0039784
Class 2 #68	FBgn0051524
Class 2 #69	CG31013
Class 2 #7	CG13788
Class 2 #7	Gr28a
Class 2 #7	Gr28b
Class 2 #72	crm
Class 2 #74	CG33223
Class 2 #75	CG7921
Class 2 #75	Mgat2
Class 2 #76	CG33174
Class 2 #78	CG15056
Class 2 #79	cactin
Class 2 #79	CG11710
Class 2 #8	FBgn0052982
Class 2 #80	CG9273
Class 2 #80	CG9342
Class 2 #83	CG14731
Class 2 #84	CG33964
Class 2 #84	Cyp6g1
Class 2 #85	Cyp6g1
Class 2 #85	Cyp6g2
Class 2 #9	FBgn0052982
Class 3 #0	Cf2
Class 3 #1	CG33694
Class 3 #1	CG33695
Class 3 #1	CG8455
Class 3 #10	CG17034
Class 3 #10	Jon99Ci
Class 3 #3	CG17082