

Bossen et al.

An EGFR-induced *Drosophila* lung tumor model identifies alternative combination treatments

Supplementary table 1

Differentially regulated genes in response to ectopic EGFR overexpression in the airway epithelium of *Drosophila*

Upregulated genes

GeneSymbol	EnsemblID	log2FoldChange	pvalue
Drs	FBgn0010381	7.894255502	2.88E-027
CG9192	FBgn0035193	7.58175714	7.69E-066
CG8785	FBgn0033760	7.578835353	1.52E-213
CG15394	FBgn0250835	7.490643854	5.32E-058
CG13048	FBgn0036593	7.02557032	5.18E-021
CG16772	FBgn0032835	6.684480383	6.83E-036
CG14153	FBgn0036094	6.544130359	4.90E-081
Dro	FBgn0010388	6.394362444	4.24E-017
CG9626	FBgn0037565	6.366624229	1.04E-057
Osi19	FBgn0037429	6.246914683	5.08E-015
AttC	FBgn0041579	6.191731868	1.80E-016
CG14570	FBgn0037122	6.097801762	3.38E-015
Ccp84Ae	FBgn0004779	6.04360743	3.62E-014
CG14569	FBgn0037123	6.021020388	3.95E-019
CG1213	FBgn0037387	5.980609758	1.52E-022
CG14568	FBgn0037124	5.976544223	4.41E-017
CG43175	FBgn0262794	5.968736383	7.22E-040
Cyp6a17	FBgn0015714	5.927161485	2.70E-133
CG14573	FBgn0037125	5.887908125	2.34E-020
Osi18	FBgn0037428	5.853236342	8.41E-013
CG32548	FBgn0052548	5.831614314	8.46E-013
Osi20	FBgn0037430	5.813347112	1.59E-012
CG4757	FBgn0027584	5.741084926	2.06E-014
CG17127	FBgn0032299	5.623507105	3.60E-012
Vml	FBgn0085362	5.598221187	3.38E-019
CG3108	FBgn0029807	5.569525216	3.53E-013
CG42819	FBgn0262001	5.568265402	9.02E-013
IM14	FBgn0067905	5.535449171	1.34E-013
y	FBgn0004034	5.527468828	1.93E-011
CG12723	FBgn0030459	5.507281992	1.27E-011
IM4	FBgn0040653	5.430421065	2.24E-014
CG15919	FBgn0040743	5.427299739	1.86E-011
CG4998	FBgn0036612	5.402487519	4.45E-011
Listericin	FBgn0033593	5.402172634	3.27E-014
CG15739	FBgn0030347	5.381968422	2.09E-036
CG5778	FBgn0038930	5.289392247	1.39E-016
upd2	FBgn0030904	5.256177189	1.05E-024
Osi7	FBgn0037414	5.206214497	1.58E-010
CG9411	FBgn0030569	5.196666165	1.18E-011
CG14327	FBgn0038526	5.09971865	7.34E-032
CG13028	FBgn0036676	5.044851768	7.81E-014
CG42749	FBgn0261803	5.039327252	1.49E-100
CG9518	FBgn0030590	4.994537784	5.72E-015
CG40485	FBgn0069973	4.919712578	1.18E-022
Osi15	FBgn0037424	4.902695617	3.45E-009

Osi9	FBgn0037416	4.846367284	1.20E-010
Nep5	FBgn0039478	4.828984259	5.96E-012
Cyp4aa1	FBgn0034053	4.816817237	1.12E-017
CG15096	FBgn0034394	4.809981911	2.53E-097
CG13868	FBgn0034501	4.72944772	1.05E-078
CG14565	FBgn0037129	4.708224058	1.88E-012
CG13640	FBgn0039237	4.704978216	6.93E-221
CG13250	FBgn0037013	4.670461755	2.74E-009
CG31706	FBgn0051706	4.649443278	3.70E-010
CG6055	FBgn0031918	4.645523949	2.79E-012
CG17386	FBgn0033936	4.644640042	1.19E-013
CG14096	FBgn0036871	4.632267169	5.22E-009
CG6356	FBgn0039178	4.630012217	2.80E-023
Tsp2A	FBgn0024361	4.61982721	4.96E-033
CG8568	FBgn0030841	4.551932207	3.87E-008
CG12523	FBgn0036102	4.548572681	1.65E-008
CG14564	FBgn0037131	4.537630018	5.33E-012
tnc	FBgn0039257	4.523683927	1.33E-011
AttA	FBgn0012042	4.523536987	8.66E-009
CG14866	FBgn0038315	4.487742596	6.92E-009
CG43333	FBgn0263038	4.469668364	1.63E-020
Tig	FBgn0011722	4.454098705	2.48E-086
Osi6	FBgn0027527	4.427603161	1.57E-007
CG13699	FBgn0036781	4.419177181	1.23E-008
CG14147	FBgn0036112	4.412074879	2.32E-007
slbo	FBgn0005638	4.355460552	8.97E-008
lz	FBgn0002576	4.353463904	2.56E-068
CG11426	FBgn0037166	4.351757621	7.76E-042
CG34327	FBgn0085356	4.341299532	1.70E-064
CG7367	FBgn0031976	4.317814051	1.11E-014
CG15021	FBgn0035544	4.307668734	6.13E-032
CG11786	FBgn0039264	4.26280095	5.77E-007
CG14752	FBgn0033307	4.26250936	4.58E-007
CG13049	FBgn0036592	4.258092419	5.92E-007
MCO3	FBgn0039387	4.254324356	1.01E-007
ImpE2	FBgn0001254	4.210414895	2.09E-007
CG13982	FBgn0031811	4.199037598	3.07E-008
CG14397	FBgn0032914	4.174699313	7.27E-007
SPH93	FBgn0032638	4.137114474	5.02E-013
Ets21C	FBgn0005660	4.120682045	5.81E-111
Def	FBgn0010385	4.118339803	8.32E-007
Syt4	FBgn0028400	4.11021075	7.91E-042
NA	FBgn0065047	4.086376924	7.91E-010
CG13954	FBgn0033405	4.083707167	1.59E-007
CG15890	FBgn0030576	4.065112285	5.04E-014
CG13218	FBgn0033587	4.063529759	9.95E-007
Osi14	FBgn0040279	4.044970467	1.18E-006
CG34458	FBgn0085487	4.038989605	9.37E-007
CG10910	FBgn0034289	4.032922849	4.86E-007
CG13318	FBgn0037627	4.024871241	4.87E-027
CG12519	FBgn0036872	4.022280934	2.77E-007
NA	FBgn0266258	4.01019708	1.83E-007
Lip1	FBgn0023496	3.999874383	3.30E-007
CG14326	FBgn0038528	3.97525315	2.25E-007
CG31958	FBgn0051958	3.952610003	3.55E-013
CG5002	FBgn0034275	3.94871031	4.25E-063
CG13066	FBgn0040797	3.941433429	2.40E-007
CG6026	FBgn0038676	3.941109236	1.01E-008
CG12826	FBgn0033207	3.940323565	1.18E-006

Eip78C	FBgn0004865	3.93252792	1.80E-015
CG12256	FBgn0038002	3.914217653	2.51E-006
CG18067	FBgn0034512	3.913217869	1.74E-205
Cpr64Ad	FBgn0035513	3.912083341	2.80E-007
CG9514	FBgn0030592	3.902931551	4.58E-008
CG15239	FBgn0029681	3.877398258	7.77E-013
CG5255	FBgn0038485	3.861016217	2.38E-008
CG15615	FBgn0034159	3.855446605	8.57E-006
CAH2	FBgn0027843	3.853003088	2.98E-056
CG5791	FBgn0040582	3.840348156	6.47E-007
ImpE1	FBgn0001253	3.781022403	3.03E-007
CG8925	FBgn0038404	3.761381119	6.94E-137
CG12934	FBgn0033541	3.752557517	1.95E-006
CG11413	FBgn0035022	3.721488671	9.83E-010
CG2150	FBgn0003065	3.721347813	1.55E-005
AttB	FBgn0041581	3.718873439	2.69E-006
CG3734	FBgn0038700	3.713668191	6.33E-008
CG10232	FBgn0039108	3.662948282	2.05E-040
CG9572	FBgn0031089	3.657602235	2.63E-045
CG33958	FBgn0053958	3.650713532	2.34E-006
CG31954	FBgn0051954	3.643507639	7.66E-006
CG5909	FBgn0039495	3.63913178	3.45E-009
Nep2	FBgn0027570	3.627653928	6.52E-063
CG7330	FBgn0036780	3.623624927	8.59E-006
jhamt	FBgn0028841	3.616014017	2.05E-005
CG31769	FBgn0051769	3.606149755	3.70E-026
CG31619	FBgn0051619	3.572891356	7.89E-007
CG4822	FBgn0031220	3.571039072	4.69E-033
e	FBgn0000527	3.559551503	2.63E-042
CG8160	FBgn0034011	3.556010909	1.03E-013
CG14567	FBgn0037126	3.544092753	1.41E-076
betaTry	FBgn0010357	3.53914841	1.57E-005
Ddc	FBgn0000422	3.536536015	9.05E-125
CG15080	FBgn0034391	3.533467224	9.56E-006
CG7142	FBgn0038595	3.502970934	3.62E-012
Jon25Bii	FBgn0031654	3.502577694	1.21E-005
IM3	FBgn0040736	3.487906576	2.00E-006
TotC	FBgn0044812	3.482478262	2.12E-005
CG31689	FBgn0031449	3.480582656	3.15E-015
CG10175	FBgn0039084	3.471851565	2.63E-006
CG32214	FBgn0052214	3.4672218	5.69E-006
CG13627	FBgn0039217	3.465108711	1.48E-005
CG14961	FBgn0035439	3.454375114	7.19E-005
CG31960	FBgn0051960	3.44365798	7.33E-032
CG4269	FBgn0034741	3.423842404	7.45E-012
Spn100A	FBgn0039795	3.419103868	1.91E-007
CG3344	FBgn0035154	3.416389042	1.72E-005
Treh	FBgn0003748	3.400751245	1.71E-008
Cp7Fc	FBgn0014466	3.400386833	9.91E-041
Snmp2	FBgn0035815	3.380915754	8.93E-006
CG34375	FBgn0085404	3.379171673	5.62E-012
CG3604	FBgn0031562	3.376690865	2.45E-007
CG18641	FBgn0031426	3.3750772	6.82E-037
CG16762	FBgn0035343	3.369483511	4.58E-005
upd3	FBgn0053542	3.365218779	2.66E-017
CG6118	FBgn0038339	3.36326226	8.72E-008
PGRP-SD	FBgn0035806	3.362298639	3.52E-005
CG46026	FBgn0267690	3.340773538	5.43E-005
Cyp6a20	FBgn0033980	3.335130816	2.83E-011

CG31789	FBgn0051789	3.332411628	3.66E-005
825-Oak	FBgn0052208	3.327568431	2.03E-005
CG15213	FBgn0040843	3.319073951	1.19E-004
Cpr64Ac	FBgn0035512	3.306300252	1.48E-004
CG3323	FBgn0029750	3.295333182	6.89E-043
CG17404	FBgn0038001	3.294695723	7.14E-005
Cpr66D	FBgn0052029	3.287129384	1.29E-004
CG42331	FBgn0259233	3.278552457	2.08E-006
CG32213	FBgn0052213	3.257828679	3.92E-005
CG9747	FBgn0039754	3.254071153	7.49E-056
CG8105	FBgn0030661	3.25035352	1.67E-004
ple	FBgn0005626	3.240178319	1.71E-049
CG15661	FBgn0034605	3.231107516	3.15E-006
Hr46	FBgn0000448	3.228189743	1.05E-005
Obp50e	FBgn0033931	3.221018826	6.74E-006
CG30151	FBgn0050151	3.21901648	1.87E-136
Jon25Bi	FBgn0020906	3.215288758	8.45E-006
Jon65Aiv	FBgn0250815	3.213252755	6.76E-005
stet	FBgn0020248	3.197439757	2.02E-004
NimA	FBgn0261514	3.197147842	2.14E-007
TwdlG	FBgn0037225	3.19629523	6.58E-005
CG17104	FBgn0040496	3.195241296	4.58E-007
NA	FBgn0266227	3.191644441	1.10E-006
CG43693	FBgn0263776	3.191334581	2.07E-012
CG13297	FBgn0035685	3.190940733	8.10E-007
CG43153	FBgn0262683	3.177367294	1.98E-005
CG34355	FBgn0085384	3.176783377	7.16E-005
PGRP-SB1	FBgn0043578	3.174929384	1.03E-004
Sb	FBgn0003319	3.164584476	9.09E-005
CG12655	FBgn0031080	3.154814092	1.04E-018
Tsp42En	FBgn0033135	3.146810909	4.23E-015
spirit	FBgn0030051	3.130158706	3.24E-027
CG3726	FBgn0029824	3.106296176	1.26E-028
CG15650	FBgn0034565	3.094439501	4.05E-004
Muc11A	FBgn0052656	3.092748177	2.76E-004
CG7953	FBgn0028533	3.079932885	4.72E-005
CG8646	FBgn0033763	3.065708339	3.92E-015
CG4702	FBgn0037992	3.062712078	1.16E-004
l(1)sc	FBgn0002561	3.058423153	1.59E-009
GNBP-like3	FBgn0034511	3.056389648	1.43E-005
CG42821	FBgn0262003	3.054985411	9.76E-005
CG10912	FBgn0034296	3.037200244	2.08E-004
Tb	FBgn0243586	3.030999647	3.91E-004
CG13323	FBgn0033788	3.026593813	1.40E-005
CG13813	FBgn0036956	3.024278732	5.33E-004
slo	FBgn0003429	3.009711835	4.49E-008
CG31683	FBgn0051683	3.00470901	2.72E-004
CG6059	FBgn0039491	3.002155831	1.21E-005
CG13565	FBgn0034935	2.996385871	2.70E-004
CG5070	FBgn0030824	2.98487967	1.46E-004
Cyp6g2	FBgn0033696	2.983299146	6.37E-005
IM1	FBgn0034329	2.983242642	5.80E-004
CG5172	FBgn0030830	2.978872968	1.16E-005
CG5246	FBgn0038484	2.976731498	1.24E-004
CG13045	FBgn0036596	2.976675345	3.07E-004
CG8170	FBgn0033365	2.976002619	2.34E-005
Tsp42Ej	FBgn0033132	2.974458911	5.55E-012
nec	FBgn0002930	2.965359671	3.90E-160
CG6330	FBgn0039464	2.965148271	1.35E-017

Dat	FBgn0019643	2.963477131	3.95E-059
CG30371	FBgn0050371	2.961921239	7.76E-005
CG34281	FBgn0085310	2.959134709	2.87E-010
beat-VII	FBgn0250908	2.954224277	2.93E-004
TwdIB	FBgn0039436	2.953945188	6.90E-004
Cpr65Ea	FBgn0035735	2.947606725	4.33E-004
CG13239	FBgn0037197	2.932289939	5.61E-005
ssp6	FBgn0035676	2.921962372	8.79E-007
CG7298	FBgn0036948	2.91665414	5.08E-004
CG12115	FBgn0030097	2.914930291	6.82E-004
CG13023	FBgn0036677	2.906667817	1.51E-004
laza	FBgn0037163	2.904933609	1.71E-012
PGRP-LB	FBgn0037906	2.900093325	1.43E-029
ru	FBgn0003295	2.897539122	6.51E-005
GstD5	FBgn0010041	2.894844212	2.94E-007
Ag5r2	FBgn0020508	2.887640521	8.14E-004
DAT	FBgn0034136	2.871059938	8.62E-004
ChLD3	FBgn0032598	2.870384542	1.88E-004
CG14302	FBgn0038647	2.869735264	1.25E-004
gol	FBgn0004919	2.866657037	1.53E-016
CG34221	FBgn0085250	2.862757393	5.97E-006
CG5910	FBgn0036993	2.852954396	2.04E-010
Amy-p	FBgn0000079	2.852368721	1.85E-004
CG7201	FBgn0035865	2.852199378	7.19E-005
CG9312	FBgn0038179	2.835175353	1.28E-034
Osi12	FBgn0037419	2.834372236	1.01E-003
CG12164	FBgn0033158	2.817873698	1.18E-003
NA	FBgn0266228	2.816916398	8.40E-005
CG7432	FBgn0038727	2.815186768	1.52E-044
ltgbetanu	FBgn0010395	2.812474321	2.48E-026
GstD2	FBgn0010038	2.805877373	6.88E-005
sda	FBgn0015541	2.796224171	1.05E-047
CG14760	FBgn0033277	2.785808871	8.98E-004
Jon65Aiii	FBgn0035665	2.78212031	1.13E-003
CG13674	FBgn0035858	2.780591136	2.26E-004
Muc55B	FBgn0034294	2.775327232	1.51E-003
NimB2	FBgn0028543	2.762442474	1.47E-119
CG31871	FBgn0051871	2.761305215	2.24E-005
CG11905	FBgn0036678	2.759760393	2.73E-004
CG2444	FBgn0030326	2.75770537	4.17E-007
GlcAT-S	FBgn0032135	2.756349964	2.31E-050
Cpr47Ea	FBgn0033597	2.747142172	6.53E-013
CG7406	FBgn0030980	2.746995457	1.60E-003
Hr4	FBgn0264562	2.730706198	8.33E-024
CG13482	FBgn0036419	2.730092971	2.15E-004
cln3	FBgn0036756	2.7243343	4.77E-005
CG11073	FBgn0034693	2.722536319	1.88E-131
CG6290	FBgn0030921	2.719435545	1.67E-003
CG5171	FBgn0031907	2.70579512	1.16E-011
CG16743	FBgn0032322	2.704378683	2.81E-009
Pvf3	FBgn0085407	2.700918753	1.99E-018
Oseg5	FBgn0032891	2.700008618	1.95E-006
CG14329	FBgn0038525	2.686749535	4.55E-007
CG14856	FBgn0038261	2.684215509	1.84E-004
CG8046	FBgn0033388	2.684205498	4.13E-024
CG15347	FBgn0030040	2.678791426	5.40E-009
CG34330	FBgn0085359	2.678191627	1.11E-006
CG4839	FBgn0032187	2.665581379	8.93E-013
TwdIT	FBgn0029170	2.665264409	8.16E-005

CG13506	FBgn0034723	2.665225025	8.25E-048
CG12268	FBgn0039131	2.664514042	2.80E-005
NA	FBgn0260435	2.659706161	2.33E-003
CG34115	FBgn0083951	2.648378053	3.26E-006
spz	FBgn0003495	2.635995386	2.29E-045
CG5804	FBgn0035926	2.634523606	1.84E-003
lpod	FBgn0030187	2.633552571	2.54E-003
NA	FBgn0267714	2.628596323	2.71E-003
CG6472	FBgn0034166	2.623235495	7.45E-008
CG11966	FBgn0037645	2.622314153	3.48E-004
CG14324	FBgn0038527	2.616171039	2.37E-003
Ugt36Ba	FBgn0040262	2.615657698	4.09E-020
CG4716	FBgn0033820	2.607564964	2.10E-004
CG42399	FBgn0259818	2.604756908	3.91E-006
CG15497	FBgn0038894	2.59995933	1.23E-005
CG14960	FBgn0035428	2.599375821	2.19E-003
v	FBgn0003965	2.598232304	5.32E-004
NA	FBgn0265843	2.598220782	4.14E-004
IM23	FBgn0034328	2.597591502	2.97E-003
CG8661	FBgn0030837	2.59672255	3.02E-003
CG14945	FBgn0032402	2.595829794	2.90E-012
CG13196	FBgn0033645	2.592457671	1.03E-003
CG44163	FBgn0265046	2.59114941	3.96E-013
Osi17	FBgn0037427	2.590659281	1.84E-004
Pvf1	FBgn0030964	2.587543682	2.88E-035
Pebp1	FBgn0038973	2.587072356	3.42E-006
CG13857	FBgn0038958	2.580090749	1.36E-004
CG15152	FBgn0032665	2.578619085	1.49E-004
AttD	FBgn0038530	2.578588425	3.27E-003
TotA	FBgn0028396	2.574903335	5.55E-005
p-cup	FBgn0030840	2.566614657	3.42E-003
CG12290	FBgn0039419	2.556009895	1.19E-070
CG15212	FBgn0040842	2.555523703	1.10E-003
CG13634	FBgn0039224	2.554008808	2.65E-003
Spn43Ad	FBgn0044011	2.550861575	3.79E-005
Ten-m	FBgn0004449	2.549418538	9.10E-108
Jon99Ciii	FBgn0003357	2.547301085	1.63E-003
CG17352	FBgn0035880	2.547048605	8.07E-036
CG42272	FBgn0259167	2.543887852	4.00E-004
CG14820	FBgn0035718	2.534092309	9.55E-004
NA	FBgn0265419	2.525867328	6.52E-005
CG33128	FBgn0053128	2.516627707	3.10E-003
Cpr47Ee	FBgn0033602	2.516585718	2.07E-005
Mal-B1	FBgn0032381	2.515247011	3.40E-003
CG15005	FBgn0035508	2.51177453	1.39E-003
CG10352	FBgn0030348	2.508762288	3.20E-003
Obp44a	FBgn0033268	2.507232719	7.94E-014
CG14507	FBgn0039655	2.496361088	7.85E-004
CG17636	FBgn0025837	2.493903037	3.53E-003
CG8172	FBgn0033362	2.490339284	2.41E-012
CG13461	FBgn0036468	2.490319306	4.50E-003
IM2	FBgn0025583	2.487440509	4.56E-003
CG17217	FBgn0032419	2.481655616	1.53E-004
Odc1	FBgn0013307	2.480501543	1.32E-004
TwdlM	FBgn0039434	2.478030212	4.07E-003
PGRP-LF	FBgn0035977	2.475180554	1.85E-019
Ndae1	FBgn0259111	2.474674658	6.91E-036
Amy-d	FBgn0000078	2.466607486	3.73E-003
Irc	FBgn0038465	2.466270432	1.30E-076

CG18557	FBgn0031470	2.441576354	4.91E-004
pirk	FBgn0034647	2.43821475	8.65E-006
CG11382	FBgn0040367	2.432651596	3.92E-004
CDase	FBgn0039774	2.430385132	1.89E-034
CG13116	FBgn0032139	2.425005297	4.93E-022
CG17145	FBgn0036953	2.424001088	4.89E-003
CG16978	FBgn0040972	2.419493995	3.14E-003
CecA1	FBgn0000276	2.419181196	5.76E-003
CG8778	FBgn0033761	2.417823286	2.42E-028
CG17278	FBgn0046763	2.414171641	3.00E-034
NimC2	FBgn0028939	2.412771964	9.07E-006
CG13707	FBgn0035578	2.395446246	2.18E-003
CG9503	FBgn0030598	2.3902768	5.74E-004
CG12769	FBgn0033252	2.390256574	6.70E-011
Phae1	FBgn0263234	2.388153834	4.80E-003
CG14095	FBgn0036870	2.3851212	6.09E-003
CG8952	FBgn0030688	2.384354255	5.17E-003
Mtk	FBgn0014865	2.383009803	5.95E-003
CG15649	FBgn0034563	2.380934237	3.73E-004
S-Lap2	FBgn0052351	2.380730358	5.38E-003
ect	FBgn0000451	2.376213886	5.75E-004
CG42269	FBgn0259164	2.370833342	3.02E-008
Mmp1	FBgn0035049	2.369900118	4.08E-056
CG31636	FBgn0051636	2.368012726	2.15E-003
CG8997	FBgn0028920	2.36683047	1.63E-003
CG11658	FBgn0036196	2.366170741	1.68E-022
kek2	FBgn0015400	2.362853275	8.19E-004
Egfr	FBgn0003731	2.360221627	2.89E-004
CG8664	FBgn0030836	2.356114691	6.63E-003
KCNQ	FBgn0033494	2.355104371	9.82E-013
NA	FBgn0266925	2.344218079	4.88E-003
Spn55B	FBgn0028983	2.343245534	1.10E-006
CG14963	FBgn0035409	2.342871082	1.12E-003
CG34194	FBgn0085223	2.337157183	1.07E-003
ST6Gal	FBgn0035050	2.336857403	1.00E-004
Jon25Biii	FBgn0031653	2.331717016	2.08E-003
NA	FBgn0267569	2.328142983	2.87E-005
CG3819	FBgn0036833	2.326699142	2.54E-003
lox	FBgn0039848	2.313534406	2.70E-003
CG1358	FBgn0033196	2.311306845	1.53E-004
CG3277	FBgn0031518	2.311241489	1.26E-004
alpha-Est10	FBgn0015569	2.300882068	3.56E-017
AMPdeam	FBgn0052626	2.297742846	2.54E-042
Vmat	FBgn0260964	2.288373885	1.87E-005
CG11313	FBgn0039798	2.285556895	3.99E-003
B4	FBgn0023407	2.285032776	3.57E-024
mTerf3	FBgn0037008	2.282367917	2.57E-061
NA	FBgn0266568	2.277245141	6.86E-003
TwdlH	FBgn0051080	2.275662688	9.34E-003
CG30334	FBgn0050334	2.269773521	1.31E-003
CG12493	FBgn0035571	2.266631617	1.71E-003
CG2053	FBgn0039887	2.261100254	2.07E-004
CG6357	FBgn0033875	2.260741864	3.25E-011
CG42571	FBgn0260777	2.254949105	7.10E-003
CG1136	FBgn0035490	2.252054748	3.83E-026
CG15117	FBgn0034417	2.244816278	1.05E-010
Obp99d	FBgn0039684	2.244786691	1.76E-003
CG33340	FBgn0053340	2.244114135	1.05E-002
CG31414	FBgn0051414	2.243900596	6.88E-009

Cht5	FBgn0038180	2.243205738	1.25E-027
hebe	FBgn0033448	2.243108155	3.18E-014
CG42561	FBgn0260763	2.236156353	1.03E-007
CG10337	FBgn0032805	2.231891545	9.28E-018
Hmgcr	FBgn0263782	2.231648886	4.71E-033
CG18853	FBgn0042173	2.231209759	9.96E-003
Ac78C	FBgn0024150	2.230091528	8.19E-014
CG16886	FBgn0028938	2.221500236	9.19E-003
DAAM	FBgn0025641	2.220487299	1.02E-007
CG43366	FBgn0263109	2.217853707	5.44E-003
TwdIL	FBgn0039437	2.214396429	8.10E-003
CG7179	FBgn0020880	2.212902733	1.12E-002
CG31516	FBgn0051516	2.210184921	2.03E-003
CG32260	FBgn0052260	2.208649412	1.72E-005
CG13492	FBgn0034662	2.208559469	1.08E-002
CG13075	FBgn0036563	2.202019122	1.20E-002
CG13704	FBgn0035583	2.199627845	1.16E-002
CG15534	FBgn0039769	2.196491979	1.20E-002
NA	FBgn0085786	2.196059022	1.22E-002
CG12693	FBgn0029705	2.191116005	1.24E-002
CG13321	FBgn0033787	2.188681615	7.98E-003
TwdIE	FBgn0031957	2.188253572	9.20E-003
MESR3	FBgn0032694	2.185841414	7.87E-021
CG14356	FBgn0038207	2.185582314	6.91E-004
Osi8	FBgn0037415	2.184153608	1.23E-002
CG8369	FBgn0040532	2.184010921	3.00E-106
GstD4	FBgn0010040	2.176159444	6.26E-003
CG15322	FBgn0031088	2.172788866	6.31E-005
NA	FBgn0267167	2.166165428	1.32E-002
CG5715	FBgn0039180	2.163072977	6.17E-003
CG32368	FBgn0052368	2.162519702	6.08E-005
dsx-c73A	FBgn0261799	2.161331921	3.15E-003
CG18258	FBgn0265267	2.161208053	7.26E-005
CG16712	FBgn0031561	2.158783111	3.38E-006
NA	FBgn0267199	2.155877355	7.84E-004
CG13293	FBgn0035677	2.154749329	7.16E-010
CG15887	FBgn0038132	2.152543955	3.97E-004
CG17917	FBgn0037431	2.14896359	7.28E-003
Edg91	FBgn0004554	2.146386754	7.44E-167
CG10799	FBgn0033821	2.144742685	7.20E-003
NA	FBgn0086062	2.143416599	7.18E-003
TrissinR	FBgn0085410	2.143356955	2.48E-004
Jon66Ci	FBgn0035886	2.140390175	3.42E-003
Cpr23B	FBgn0031467	2.132156774	1.44E-002
CG7888	FBgn0036116	2.128339065	7.65E-007
CG1444	FBgn0029975	2.126589672	2.35E-010
CG13058	FBgn0036610	2.12600708	5.58E-003
loh	FBgn0032252	2.125834224	3.16E-008
dy	FBgn0004511	2.124276491	1.32E-002
CG7365	FBgn0036939	2.120285902	6.67E-011
CecA2	FBgn0000277	2.116767991	1.53E-002
sm	FBgn0003435	2.114774248	7.44E-011
Swim	FBgn0034709	2.113843822	2.23E-031
Kif3C	FBgn0039925	2.113096759	4.00E-006
CG14401	FBgn0032900	2.110984142	1.03E-047
CG1698	FBgn0033443	2.109920316	8.72E-053
NA	FBgn0267692	2.107081488	1.49E-002
CG18869	FBgn0042179	2.107081488	1.49E-002
CG14636	FBgn0037217	2.105933341	4.81E-014

dao	FBgn0028862	2.103245537	6.76E-004
CG31664	FBgn0051664	2.102870214	1.62E-002
CG15293	FBgn0028526	2.101602633	9.06E-005
NA	FBgn0263336	2.10065369	1.19E-002
Ccp84Af	FBgn0004778	2.09883554	4.44E-003
NA	FBgn0267717	2.096537107	1.19E-002
CG8854	FBgn0033702	2.095996186	2.55E-007
vir-1	FBgn0043841	2.094269821	1.80E-020
Mdr49	FBgn0004512	2.092856777	2.22E-003
lectin-24A	FBgn0040104	2.092598965	1.32E-002
CG4335	FBgn0038795	2.091971577	9.87E-003
CG1941	FBgn0033214	2.091267292	1.63E-002
CG43935	FBgn0264563	2.091200598	5.03E-003
CG10264	FBgn0038394	2.086700596	1.68E-002
Jon99Cii	FBgn0003356	2.086591583	1.68E-002
Mctp	FBgn0034389	2.086449336	2.93E-018
ppk17	FBgn0032602	2.084027923	7.28E-005
CG7565	FBgn0035833	2.082157769	1.45E-024
CG4995	FBgn0032219	2.081622661	4.50E-003
CG3259	FBgn0038221	2.081034204	3.26E-006
Akh	FBgn0004552	2.080304832	5.55E-003
Sardh	FBgn0034276	2.079823607	1.34E-003
Ssk	FBgn0036945	2.077772857	4.21E-003
Mal-A3	FBgn0002571	2.07434899	1.80E-002
S-Lap7	FBgn0033868	2.073708363	1.76E-002
CG16704	FBgn0031558	2.066597226	1.71E-005
CG16926	FBgn0040732	2.065750309	2.47E-006
Osi13	FBgn0037422	2.064717771	1.80E-002
CG5953	FBgn0032587	2.062196383	5.18E-022
CG32354	FBgn0052354	2.061262235	5.02E-004
CG13272	FBgn0086673	2.060839437	1.43E-003
babos	FBgn0034724	2.060177535	6.54E-050
Pu	FBgn0003162	2.059435698	3.84E-110
Arc1	FBgn0033926	2.05795042	4.71E-038
CG1943	FBgn0037468	2.057034236	6.88E-027
CG17349	FBgn0032771	2.05335478	1.87E-002
CG42866	FBgn0262140	2.047274581	1.91E-002
ImpL2	FBgn0001257	2.045602511	3.49E-007
CG34136	FBgn0083972	2.041015482	4.94E-004
Sodh-1	FBgn0024289	2.040298761	7.37E-003
Cyp4s3	FBgn0030615	2.03878625	1.87E-004
CG3775	FBgn0030425	2.035704041	4.52E-003
CG16898	FBgn0034480	2.035389988	1.99E-002
CG15740	FBgn0030340	2.034569777	1.20E-002
CG2065	FBgn0033204	2.032866441	2.50E-007
comm	FBgn0010105	2.031680863	2.62E-032
CG32812	FBgn0025642	2.031537936	4.12E-004
CG34370	FBgn0085399	2.031159334	1.94E-002
Obp58c	FBgn0034769	2.030373854	2.02E-002
yellow-b	FBgn0032601	2.028046448	1.46E-040
daw	FBgn0031461	2.027615799	4.08E-005
CG9691	FBgn0030160	2.025583195	1.18E-046
Ance-2	FBgn0032535	2.023671339	2.88E-005
S-Lap3	FBgn0045770	2.022346497	2.05E-002
TwdID	FBgn0039444	2.018490154	2.01E-002
CG11584	FBgn0030541	2.010168553	2.16E-002
CG34220	FBgn0085249	2.009095971	3.34E-003
gk	FBgn0020300	2.00749583	5.51E-016
CG42255	FBgn0259140	2.006890689	3.85E-003

CG11409	FBgn0024366	2.006614292	9.49E-012
Spn42Dd	FBgn0028988	1.998067888	5.98E-026
CG12998	FBgn0030829	1.996154863	4.82E-004
CG10911	FBgn0034295	1.994899952	2.19E-002
CG34447	FBgn0085476	1.994595519	6.02E-003
CG13069	FBgn0040798	1.994206531	7.68E-003
rau	FBgn0031745	1.991652049	1.77E-025
Ccp84Ad	FBgn0004780	1.989865946	1.34E-002
lnR	FBgn0013984	1.989594228	4.31E-022
CG13403	FBgn0030544	1.986373363	6.49E-012
CG8654	FBgn0034479	1.985165098	3.09E-078
CG13117	FBgn0032140	1.984063457	1.04E-095
CG5639	FBgn0039527	1.979583843	6.43E-007
CG13040	FBgn0036608	1.970660697	2.28E-002
CG42324	FBgn0259224	1.966358719	2.23E-003
CG17111	FBgn0039048	1.960625089	7.64E-030
Npc2h	FBgn0039801	1.958684021	6.70E-004
CG4017	FBgn0032143	1.958031195	2.03E-003
Obp99c	FBgn0039682	1.954591252	7.46E-006
Obp56a	FBgn0034468	1.953908632	3.35E-012
Tequila	FBgn0023479	1.952799127	7.84E-006
CG10280	FBgn0037395	1.947065557	5.57E-003
CG16713	FBgn0031560	1.94619631	1.73E-005
CG15067	FBgn0034331	1.944444796	2.55E-002
CG6225	FBgn0038072	1.942618297	5.15E-004
CG15829	FBgn0035743	1.94197603	1.18E-002
CG13606	FBgn0039161	1.939958149	2.71E-008
NA	FBgn0058354	1.936187885	6.08E-003
CG33468	FBgn0053468	1.935165232	1.52E-002
CngA	FBgn0261612	1.93247077	2.68E-004
CG3097	FBgn0029804	1.930363238	1.79E-030
CG7443	FBgn0037577	1.924400474	2.73E-002
ldgf5	FBgn0064237	1.923761992	3.67E-003
CG7589	FBgn0036727	1.92289993	1.51E-002
ldgf1	FBgn0020416	1.92228268	1.61E-009
Amnionless	FBgn0025686	1.921127052	6.72E-004
CG9098	FBgn0031762	1.916685408	2.63E-014
CG13694	FBgn0031219	1.913155009	8.28E-003
CG4500	FBgn0028519	1.910382049	2.32E-002
Ccp84Ab	FBgn0004782	1.908843952	7.49E-003
CG5084	FBgn0034288	1.907660205	2.81E-002
Nckx30C	FBgn0028704	1.904093754	2.25E-004
bgm	FBgn0027348	1.902527667	3.23E-005
Est-6	FBgn0000592	1.900364284	1.15E-002
DNasell	FBgn0000477	1.900292702	1.03E-003
Tsf1	FBgn0022355	1.895736819	4.71E-021
CG30091	FBgn0050091	1.895567547	1.90E-004
Csk	FBgn0262081	1.89444059	1.75E-061
zyd	FBgn0265767	1.887715828	1.91E-028
NA	FBgn0267624	1.88698772	1.08E-005
GstD3	FBgn0010039	1.884325838	1.53E-008
CG12699	FBgn0046294	1.88338621	2.71E-002
CG44098	FBgn0264907	1.881307476	6.40E-004
CG3117	FBgn0031471	1.880533309	3.09E-002
CG41284	FBgn0085599	1.880211385	3.06E-002
Ance-4	FBgn0033366	1.874628809	5.46E-005
CG31189	FBgn0051189	1.869936823	3.13E-002
CG34043	FBgn0054043	1.869168243	3.03E-002
CG3655	FBgn0040397	1.865297872	3.18E-019

CG14257	FBgn0039479	1.864905888	3.99E-003
CG13679	FBgn0035856	1.864499966	9.94E-003
CG44250	FBgn0265185	1.861236813	1.73E-002
NA	FBgn0266405	1.860113101	3.37E-002
CG32564	FBgn0052564	1.855321455	5.81E-056
Apoltp	FBgn0032136	1.854824005	5.90E-004
CG13077	FBgn0032810	1.854325858	4.61E-003
CG8399	FBgn0034067	1.844881622	3.35E-019
CG12964	FBgn0034022	1.844750749	8.25E-003
TkR99D	FBgn0004622	1.844500467	3.33E-002
Phae2	FBgn0263235	1.844366564	3.53E-002
CG14205	FBgn0031034	1.840672467	3.56E-002
CG33775	FBgn0053775	1.839102881	3.40E-002
CCHa2	FBgn0038147	1.837923239	3.86E-003
Dot	FBgn0015663	1.837807077	4.21E-011
CG15629	FBgn0031630	1.836821666	4.00E-022
CG6431	FBgn0032289	1.835340294	3.41E-002
CG9386	FBgn0037708	1.83513184	3.13E-015
CG1468	FBgn0030157	1.831637938	8.78E-004
PGRP-LA	FBgn0035975	1.830631319	4.52E-042
CG12116	FBgn0030041	1.829163975	1.37E-011
spz4	FBgn0032362	1.828450819	7.43E-004
Caps	FBgn0053653	1.827855982	4.51E-026
CG2233	FBgn0029990	1.823115096	7.50E-008
CG13641	FBgn0039239	1.822759708	7.53E-005
brv3	FBgn0040333	1.820153181	9.06E-003
CG33494	FBgn0053494	1.819931011	1.26E-008
CG4991	FBgn0030817	1.81866348	1.13E-004
CG2556	FBgn0030396	1.81682389	1.41E-007
CG15533	FBgn0039768	1.815913628	3.53E-002
Mvl	FBgn0011672	1.811754779	1.36E-013
CG17777	FBgn0040900	1.809925806	2.91E-003
prc	FBgn0028573	1.809263803	6.32E-003
hog	FBgn0266710	1.802415486	2.97E-002
Grp	FBgn0036627	1.799002937	2.05E-004
CG8008	FBgn0033387	1.798561882	1.90E-006
CG6870	FBgn0032652	1.796059366	2.68E-002
CG1077	FBgn0037405	1.793747228	2.91E-002
CG7924	FBgn0036416	1.792443791	6.41E-003
CG13012	FBgn0030769	1.791258318	8.15E-008
CG11395	FBgn0034200	1.778152782	2.53E-006
CG30197	FBgn0050197	1.778079493	2.57E-013
CG4089	FBgn0037838	1.774614924	5.60E-006
Prx2540-2	FBgn0033518	1.771316727	7.86E-005
CG10598	FBgn0003057	1.770203152	3.47E-010
TwdlJ	FBgn0039440	1.770168544	2.27E-002
CG13284	FBgn0032614	1.770112809	1.89E-002
CG14572	FBgn0037128	1.7673135	2.14E-082
CG18812	FBgn0042135	1.767082637	4.74E-020
CG6293	FBgn0037807	1.765587062	3.03E-007
CG8907	FBgn0038466	1.76523817	8.48E-003
alpha-Est4	FBgn0015572	1.761959216	4.91E-003
ATP8B	FBgn0037989	1.760558241	2.15E-024
Zip89B	FBgn0038412	1.759850538	1.08E-007
Fs	FBgn0259878	1.758445462	1.55E-003
CG34291	FBgn0085320	1.756865081	5.66E-003
tej	FBgn0033921	1.75460385	8.93E-003
CG1850	FBgn0033154	1.754350583	8.83E-004
Cyp317a1	FBgn0033982	1.753813196	9.65E-011

CG5863	FBgn0038507	1.753480027	9.10E-004
Mgat2	FBgn0039738	1.752274021	2.12E-013
NA	FBgn0266219	1.747837404	9.08E-016
Arpc3B	FBgn0065032	1.747282177	2.89E-005
CG30156	FBgn0050156	1.745359703	2.48E-003
NA	FBgn0263384	1.74429012	5.24E-003
Esp	FBgn0013953	1.743934245	3.98E-009
Dmtn	FBgn0037443	1.739556619	3.63E-018
Mec2	FBgn0030993	1.731359486	1.64E-005
18w	FBgn0004364	1.727331167	2.91E-063
CG14131	FBgn0036205	1.725391398	6.06E-024
CG13856	FBgn0038959	1.724803494	1.67E-002
sgl	FBgn0261445	1.724403496	5.18E-011
NA	FBgn0267124	1.724091051	1.31E-002
insc	FBgn0011674	1.723704243	1.25E-027
CG11381	FBgn0029568	1.720538973	3.00E-002
CG9737	FBgn0039758	1.719573174	3.98E-006
CG8301	FBgn0037717	1.717670332	1.97E-005
CG15563	FBgn0039832	1.7163612	2.01E-002
Mmp2	FBgn0033438	1.711935252	3.04E-018
CG16959	FBgn0036481	1.71057265	6.75E-007
CG15249	FBgn0030161	1.70551012	3.02E-002
GLaz	FBgn0033799	1.703269818	9.59E-005
CG17244	FBgn0039031	1.698248588	2.68E-004
NA	FBgn0267635	1.696105698	4.65E-005
pigs	FBgn0029881	1.693187742	3.66E-014
moody	FBgn0025631	1.69122572	3.91E-031
yl	FBgn0004649	1.690734846	1.33E-002
CG31559	FBgn0051559	1.689802012	2.53E-003
CG5807	FBgn0027539	1.689136762	1.31E-004
CG43707	FBgn0263846	1.688911073	2.79E-002
nemy	FBgn0261673	1.687902085	2.28E-006
Invadolysin	FBgn0086359	1.685569651	7.21E-006
qin	FBgn0263974	1.680463393	7.95E-004
scaf	FBgn0033033	1.673520553	2.46E-011
NAAT1	FBgn0029762	1.67307028	1.81E-003
CG30281	FBgn0050281	1.672217117	1.55E-002
NA	FBgn0265525	1.671837583	6.36E-004
CG14879	FBgn0038419	1.670390235	3.21E-012
retn	FBgn0004795	1.670144528	3.26E-002
bmm	FBgn0036449	1.660424765	1.40E-004
CG3106	FBgn0030148	1.660211557	2.90E-002
CG9717	FBgn0039789	1.659280496	9.90E-004
Cyt-b5-r	FBgn0000406	1.654395813	8.27E-004
CG13894	FBgn0035157	1.646123871	7.58E-004
CG14907	FBgn0038455	1.641865252	5.06E-027
mesh	FBgn0051004	1.640597069	2.74E-002
CG15564	FBgn0039833	1.639771353	8.03E-003
lrk3	FBgn0032706	1.638268907	2.09E-002
CG32017	FBgn0052017	1.633119039	1.05E-030
out	FBgn0259834	1.632550345	1.89E-059
Npc2a	FBgn0031381	1.628442033	5.11E-011
CG10559	FBgn0039323	1.624255334	3.46E-024
Rbp4	FBgn0010258	1.623146939	1.30E-002
CG5888	FBgn0028523	1.61824402	1.09E-014
CG32066	FBgn0052066	1.615388035	6.16E-015
nac	FBgn0265351	1.612391695	1.08E-030
CG1299	FBgn0035501	1.611895289	7.58E-023
Scp2	FBgn0020907	1.610514199	1.41E-002

CG16857	FBgn0028482	1.610135774	3.13E-005
Hex-A	FBgn0001186	1.60695256	8.16E-041
CG11147	FBgn0031734	1.605380178	4.80E-014
Cp36	FBgn0000359	1.600804034	4.35E-003
CG12995	FBgn0030826	1.600158807	3.30E-005
comm2	FBgn0041160	1.600100565	6.89E-045
CG8086	FBgn0032010	1.59939939	5.49E-058
CG9733	FBgn0039759	1.595456599	2.37E-002
CG44325	FBgn0265413	1.593992655	2.98E-029
CG17786	FBgn0039167	1.593597319	1.38E-003
CG31974	FBgn0051974	1.588390224	1.25E-002
Lip4	FBgn0032264	1.587145351	1.91E-002
Epac	FBgn0085421	1.586654344	4.59E-004
CG34409	FBgn0085438	1.578620978	1.74E-003
Tsp	FBgn0031850	1.576581323	8.32E-007
Cyp28d1	FBgn0031689	1.57485613	7.11E-004
CG10433	FBgn0034638	1.571135894	6.04E-005
Np	FBgn0265011	1.566748621	2.54E-003
CG14695	FBgn0037850	1.563740577	3.37E-005
Tsp66E	FBgn0035936	1.563245745	1.64E-002
Cda5	FBgn0051973	1.562078382	1.34E-002
CG34423	FBgn0085452	1.561616855	3.44E-004
CG8620	FBgn0040837	1.559706348	9.38E-004
stl	FBgn0086408	1.559517045	1.62E-002
CG6023	FBgn0030912	1.558284124	6.53E-006
sut2	FBgn0028562	1.558209015	1.74E-002
CG11226	FBgn0037195	1.558003893	6.64E-005
nAChRalpha4	FBgn0266347	1.555314414	9.48E-008
Tep2	FBgn0041182	1.55390506	5.12E-030
Gnmt	FBgn0038074	1.5531532	5.30E-003
CG43103	FBgn0262563	1.549539691	1.13E-008
grass	FBgn0039494	1.548405291	1.70E-004
CG33307	FBgn0053307	1.539589047	3.40E-003
WASp	FBgn0024273	1.538506718	3.57E-003
qlless	FBgn0051005	1.538153104	2.00E-022
Leash	FBgn0037856	1.535403037	5.04E-044
Tep4	FBgn0041180	1.531964546	1.33E-037
llp8	FBgn0036690	1.530722986	3.55E-002
CG42671	FBgn0261553	1.526685321	1.15E-048
QC	FBgn0052412	1.526489315	1.25E-033
Tps1	FBgn0027560	1.524053359	2.84E-003
m	FBgn0002577	1.52388551	2.08E-004
CG5160	FBgn0031906	1.522858582	2.54E-002
dila	FBgn0033447	1.522598292	3.40E-002
CG32695	FBgn0052695	1.521245953	2.78E-002
NA	FBgn0262887	1.519749386	2.70E-005
CG30377	FBgn0050377	1.515534553	9.30E-003
CG13315	FBgn0040827	1.51355104	1.07E-002
CG5397	FBgn0031327	1.511684447	1.98E-168
yellow-h	FBgn0039896	1.508784677	1.78E-006
CG9372	FBgn0036891	1.507794917	3.55E-054
Prx2540-1	FBgn0033520	1.507337753	1.50E-002
yellow-f	FBgn0041710	1.50241533	2.17E-006
Rcd2	FBgn0037012	1.496567848	3.14E-005
CG7695	FBgn0038631	1.488863614	9.89E-005
Gbp	FBgn0034199	1.48040991	2.23E-010
CG15362	FBgn0031378	1.477820942	8.17E-007
AnxB9	FBgn0000083	1.475983737	2.49E-031
CG13893	FBgn0035146	1.47503262	8.12E-004

NA	FBgn0262972	1.473712193	3.55E-002
Nhe2	FBgn0040297	1.471013685	1.68E-005
CG13282	FBgn0032612	1.467162414	1.04E-002
dpr17	FBgn0051361	1.465939541	1.69E-002
Ugt86Di	FBgn0040251	1.465374727	3.87E-010
CG33099	FBgn0053099	1.459559301	7.10E-007
CG17681	FBgn0032668	1.458651779	1.58E-003
CG16820	FBgn0032495	1.455050982	4.08E-039
CG7510	FBgn0036741	1.453599335	4.90E-026
bowl	FBgn0004893	1.448342569	2.01E-074
CG17672	FBgn0083978	1.447839304	1.57E-002
Klp68D	FBgn0004381	1.44526693	5.12E-011
Cyp6a9	FBgn0013771	1.441307667	8.21E-044
CG10126	FBgn0038088	1.440650603	1.23E-017
l(2)08717	FBgn0010651	1.438749695	2.97E-019
Spat	FBgn0014031	1.437461326	2.78E-003
mRpL1	FBgn0037566	1.434493923	1.07E-038
CG13962	FBgn0032824	1.432615135	1.08E-002
Mtl	FBgn0039532	1.42907368	4.99E-016
Tsp42Ee	FBgn0029506	1.415610663	3.32E-035
Cyp4d21	FBgn0031925	1.41373736	2.31E-013
Osi24	FBgn0037409	1.413496561	2.85E-006
CG12112	FBgn0030048	1.408926024	2.55E-021
subdued	FBgn0038721	1.402830359	8.58E-016
CG42327	FBgn0259227	1.398831905	9.29E-020
rho	FBgn0004635	1.397474688	5.86E-004
CG8334	FBgn0036913	1.396241899	1.94E-013
pes	FBgn0031969	1.393024784	7.76E-012
CG7059	FBgn0038957	1.391451123	8.82E-005
NimB3	FBgn0054003	1.389600391	5.43E-003
CG2736	FBgn0035090	1.388492254	3.08E-003
Rel	FBgn0014018	1.383022637	1.00E-011
ana	FBgn0011746	1.382821351	9.75E-003
lbm	FBgn0016032	1.378160811	4.18E-021
Gclc	FBgn0040319	1.378133444	1.66E-031
CG42675	FBgn0261561	1.377437236	2.71E-036
CG7884	FBgn0031001	1.377417411	5.86E-003
CG10887	FBgn0038773	1.377092262	2.39E-003
NA	FBgn0264703	1.375882323	8.00E-003
CG41520	FBgn0087011	1.371250328	6.50E-024
Sp7	FBgn0037515	1.369829923	1.33E-044
egh	FBgn0001404	1.368465822	5.06E-041
Tsp5D	FBgn0029837	1.364681525	3.05E-002
CG14880	FBgn0038422	1.364649184	1.91E-003
Spn43Ab	FBgn0024293	1.362622156	1.54E-018
CG9498	FBgn0031801	1.358529483	1.07E-008
Tsf3	FBgn0034094	1.353612344	2.00E-044
psd	FBgn0086265	1.352856629	2.59E-003
CG33170	FBgn0053170	1.350137567	1.44E-009
Rfabg	FBgn0087002	1.34870795	1.12E-002
krimp	FBgn0034098	1.345498723	2.98E-005
CG9837	FBgn0037635	1.343975116	1.65E-002
Gpo-1	FBgn0022160	1.340947536	5.48E-012
Vha14-2	FBgn0037402	1.339747104	2.15E-002
baz	FBgn0000163	1.339379471	3.16E-045
CG30108	FBgn0050108	1.335813251	1.66E-007
CG6753	FBgn0038070	1.335313487	5.63E-013
GstE1	FBgn0034335	1.334654787	9.21E-051
CG15431	FBgn0031602	1.334075806	2.41E-004

CG30059	FBgn0260475	1.333951345	3.37E-003
Fim	FBgn0024238	1.333840588	6.87E-016
CG32170	FBgn0052170	1.327504806	4.38E-019
CG3246	FBgn0031538	1.327491313	1.62E-002
CG10960	FBgn0036316	1.324807403	1.32E-017
yellow-d	FBgn0041712	1.320613064	3.77E-006
Fur2	FBgn0004598	1.315740997	7.78E-046
CG7737	FBgn0033584	1.315353293	5.17E-004
Picot	FBgn0024315	1.314802419	3.38E-008
CG42492	FBgn0259994	1.312948733	4.71E-003
CenG1A	FBgn0028509	1.310727193	4.80E-011
CG40470	FBgn0058470	1.310191846	4.69E-003
Ugt36Bc	FBgn0040260	1.308804545	1.98E-017
Socs36E	FBgn0041184	1.297789506	3.89E-007
NA	FBgn0267029	1.296081816	3.75E-005
CG8768	FBgn0033769	1.292649909	8.65E-010
CG8786	FBgn0036897	1.292510445	3.06E-005
CG18622	FBgn0038460	1.292413711	1.21E-002
rk	FBgn0003255	1.285741665	1.10E-007
Dip-B	FBgn0000454	1.284063352	6.53E-007
svr	FBgn0004648	1.282271266	2.13E-005
CG9194	FBgn0035192	1.28072592	3.29E-003
CG30116	FBgn0028496	1.278493091	2.64E-002
lush	FBgn0020277	1.276536166	5.91E-003
mthl5	FBgn0037960	1.254795213	5.34E-019
CG10657	FBgn0036289	1.251574084	2.12E-002
CG14855	FBgn0038260	1.250225692	3.98E-003
CG33169	FBgn0053169	1.247289226	3.74E-006
spz3	FBgn0031959	1.246936127	6.47E-020
CG3376	FBgn0034997	1.243645458	2.73E-006
SoxN	FBgn0029123	1.240379368	6.27E-006
CG42394	FBgn0259740	1.240061433	3.94E-027
CG3077	FBgn0031457	1.23850167	1.55E-013
GstE6	FBgn0063494	1.238140035	2.86E-014
CG5921	FBgn0029835	1.234824297	1.67E-002
CG3397	FBgn0037975	1.234522245	1.84E-002
Strn-Mlck	FBgn0265045	1.233882941	1.23E-018
CG18661	FBgn0040964	1.23138307	2.93E-003
SP1029	FBgn0263236	1.230893246	8.03E-014
CG42390	FBgn0259736	1.22673004	2.46E-009
CG4297	FBgn0031258	1.225564898	1.04E-011
Sesn	FBgn0034897	1.225473273	4.93E-006
CG18549	FBgn0038053	1.225284221	1.08E-016
CG10962	FBgn0030073	1.222073492	7.39E-004
Mur2B	FBgn0025390	1.220567272	3.38E-005
CG14196	FBgn0031002	1.220272082	3.61E-002
ftz-f1	FBgn0001078	1.22010694	1.78E-005
sas	FBgn0002306	1.217598406	3.51E-006
aop	FBgn0000097	1.213302421	1.84E-031
olf186-M	FBgn0015522	1.212534853	9.59E-011
alpha-Est7	FBgn0015575	1.210420041	5.20E-020
Npc2g	FBgn0039800	1.208622477	2.15E-002
CG42370	FBgn0259716	1.206012226	3.32E-002
fon	FBgn0032773	1.198590363	5.46E-004
Act42A	FBgn0000043	1.195947049	1.41E-007
CG11897	FBgn0039644	1.191164193	8.34E-015
CG31373	FBgn0051373	1.18498682	2.03E-002
CG5854	FBgn0039130	1.184739156	3.55E-015
CG7054	FBgn0038972	1.184287296	6.69E-015

Arc2	FBgn0033928	1.182793727	2.05E-012
Pvf2	FBgn0031888	1.179307883	2.35E-009
TwdlBeta	FBgn0033658	1.177884228	2.51E-002
Ect3	FBgn0260746	1.174737245	1.23E-002
Drip	FBgn0015872	1.170977558	4.14E-005
CG12560	FBgn0031974	1.166802885	1.14E-006
CG4267	FBgn0264979	1.165778833	1.86E-003
CG5162	FBgn0030828	1.163302637	1.57E-007
CG14252	FBgn0039462	1.162127666	2.08E-004
yellow-f2	FBgn0038105	1.159758093	4.80E-003
Hmgs	FBgn0010611	1.148526942	1.41E-007
ifc	FBgn0001941	1.147059206	3.33E-018
Atg1	FBgn0260945	1.145820872	2.14E-023
Spn77Bb	FBgn0036969	1.142500421	1.53E-003
htl	FBgn0010389	1.13987132	3.33E-002
sns	FBgn0024189	1.138535984	1.56E-003
csw	FBgn0000382	1.138106427	2.55E-028
ldgf2	FBgn0020415	1.130212014	6.32E-064
Oaz	FBgn0261613	1.128415887	1.49E-010
CG43367	FBgn0263110	1.12504072	2.68E-006
dlp	FBgn0041604	1.123458342	6.29E-044
NA	FBgn0267568	1.122870132	2.84E-002
Tre1	FBgn0046687	1.122795128	2.77E-014
Ect4	FBgn0262579	1.121953159	5.18E-027
E(spl)mgamma- HLH	FBgn0002735	1.120755165	7.63E-003
CG10650	FBgn0046302	1.119139586	4.69E-008
CG5577	FBgn0036759	1.117744202	6.26E-005
CG33080	FBgn0053080	1.112714749	1.74E-005
CG6678	FBgn0038917	1.112661703	2.02E-004
CG3104	FBgn0031473	1.109223348	3.27E-002
NA	FBgn0263345	1.108329305	1.67E-002
CG3999	FBgn0037801	1.101091251	2.90E-002
Cad88C	FBgn0038247	1.099123452	9.48E-003
slow	FBgn0035539	1.093744553	6.72E-004
CG5326	FBgn0038983	1.091541346	1.60E-002
CG31633	FBgn0051633	1.090637016	4.98E-007
opa	FBgn0003002	1.088808981	5.24E-006
pyx	FBgn0035113	1.086379937	7.12E-003
Fkbp14	FBgn0010470	1.084565068	2.19E-008
CG42846	FBgn0262035	1.083221389	3.12E-002
CG13659	FBgn0039319	1.079358496	3.32E-008
CG18343	FBgn0033683	1.076473484	9.29E-009
Dif	FBgn0011274	1.074901916	3.27E-010
CG42326	FBgn0259226	1.073892397	1.74E-004
Jupiter	FBgn0051363	1.071712509	3.58E-017
MESK2	FBgn0043070	1.070967683	5.73E-029
CG14132	FBgn0040817	1.069497755	2.37E-028
CG15771	FBgn0029801	1.064081053	9.51E-014
CG6040	FBgn0038679	1.063557739	5.80E-012
MFS16	FBgn0034611	1.061247733	4.76E-011
Cip4	FBgn0035533	1.06037494	1.43E-011
agt	FBgn0024912	1.056087962	8.63E-003
CG6749	FBgn0036040	1.054279532	2.19E-009
CG13024	FBgn0036665	1.052530863	2.31E-003
Snap24	FBgn0266720	1.051629126	6.73E-007
Pde11	FBgn0085370	1.04823958	2.01E-008
CG32485	FBgn0052485	1.047762573	3.18E-006
SMSr	FBgn0052380	1.045432647	2.41E-005

wun	FBgn0016078	1.044363243	3.23E-021
Swip-1	FBgn0032731	1.043207322	4.25E-024
RhoGAP71E	FBgn0036518	1.039572141	3.53E-004
siz	FBgn0026179	1.038907588	6.48E-021
CG12746	FBgn0037341	1.038638129	5.44E-005
CG32549	FBgn0052549	1.037019991	3.37E-011
sqh	FBgn0003514	1.035984211	5.51E-032
Tg	FBgn0031975	1.032637004	1.34E-007
CG6891	FBgn0030955	1.031821717	2.67E-012
CG32687	FBgn0052687	1.028251766	2.01E-004
CG31344	FBgn0051344	1.026940285	6.65E-008
CG13639	FBgn0265266	1.026883671	6.65E-009
yellow-c	FBgn0041713	1.025698967	4.77E-008
CG33469	FBgn0053469	1.023887651	2.64E-002
CG11883	FBgn0033538	1.020280089	2.28E-007
CG11652	FBgn0036194	1.018555978	1.05E-012
scb	FBgn0003328	1.017957291	1.83E-017
Shroom	FBgn0085408	1.016823529	3.78E-022
RNaseX25	FBgn0010406	1.016521632	7.59E-016
Cdk4	FBgn0016131	1.015080577	8.17E-011
CG8321	FBgn0033677	1.01281975	2.00E-025
CG3823	FBgn0029863	1.012440546	1.42E-003
CG6966	FBgn0038286	1.011760634	6.18E-009
CG11438	FBgn0037164	1.011372282	2.16E-003
Cubn	FBgn0052702	1.009951595	1.18E-006
CG8483	FBgn0038126	1.008826096	1.64E-017
PIG-V	FBgn0265174	1.00870366	5.13E-009
Drat	FBgn0033188	1.007653201	5.80E-032
CG17834	FBgn0028394	1.007595949	2.21E-013
fend	FBgn0030090	1.004097798	5.93E-006
Cyp4d1	FBgn0005670	1.003416683	3.34E-002
CG3280	FBgn0036017	1.002574355	2.00E-004
CG34383	FBgn0085412	1.001705517	2.29E-012
wus	FBgn0030805	1.001229107	8.20E-005
Dronc	FBgn0026404	1.000901311	7.45E-022
CG4733	FBgn0038744	1.000700833	4.37E-009

Downregulated genes

GeneSymbol	EnsemblID	log2FoldChange	pvalue
mthl8	FBgn0052475	-6.186824194	8.93E-022
CG4000	FBgn0038820	-4.887174834	4.46E-010
CG31321	FBgn0051321	-4.694365057	1.18E-108
CG14454	FBgn0037177	-4.654252511	7.89E-011
NA	FBgn0263406	-4.316670529	5.15E-012
CG44013	FBgn0264775	-4.30633925	2.14E-023
Cpr97Ea	FBgn0039480	-4.305868306	8.49E-050
Cpr65Ay	FBgn0085300	-4.288539962	1.10E-028
Cpr49Ah	FBgn0033731	-4.031628854	4.66E-091
CG14258	FBgn0039482	-3.873547085	3.67E-008
Cpr65Av	FBgn0052405	-3.870915851	2.57E-070
AOX2	FBgn0038348	-3.441083655	5.65E-016
CNMa	FBgn0035282	-3.414835309	2.03E-009
NA	FBgn0050029	-3.371185322	5.70E-023
snk	FBgn0003450	-3.340720479	1.72E-009

CG13705	FBgn0035582	-3.26614772	2.98E-006
Jabba	FBgn0259682	-3.219708166	1.01E-031
Cpr67Fa2	FBgn0036109	-3.179920745	5.12E-021
Cyp4c3	FBgn0015032	-3.174420122	3.58E-057
CG7214	FBgn0031940	-3.053465441	1.38E-102
CG9877	FBgn0034819	-3.03810527	4.35E-012
CG14518	FBgn0039621	-3.033714466	1.15E-004
Cpr67Fa1	FBgn0036108	-3.012251228	3.88E-010
Cyp4e1	FBgn0015034	-3.011356668	1.40E-004
Lcp65Ac	FBgn0020642	-3.007533878	5.63E-005
Cpr78E	FBgn0037114	-3.005915124	5.01E-005
CG6142	FBgn0039415	-2.990704745	7.94E-039
CG8736	FBgn0033308	-2.98869167	3.10E-004
Cyp312a1	FBgn0036778	-2.957060911	4.22E-024
AANATL2	FBgn0031791	-2.934229996	2.63E-007
CG3940	FBgn0037788	-2.922193185	4.97E-011
CG8563	FBgn0035777	-2.86528861	2.15E-013
CG32603	FBgn0052603	-2.863549516	7.91E-005
CG11550	FBgn0039864	-2.860279105	4.18E-024
GILT3	FBgn0039098	-2.844851228	4.14E-006
CG11350	FBgn0035552	-2.839399065	1.71E-005
Acp65Aa	FBgn0020765	-2.81727894	2.04E-004
CG10205	FBgn0033970	-2.813155376	2.51E-030
CG10953	FBgn0034204	-2.808589995	2.31E-005
Cpr100A	FBgn0039805	-2.808511384	8.04E-004
Cyp313a5	FBgn0038005	-2.806193382	5.70E-014
CG11835	FBgn0031264	-2.804328286	2.61E-007
CG13043	FBgn0036600	-2.793748294	1.04E-004
SPE	FBgn0039102	-2.781486383	1.66E-049
CG13063	FBgn0036601	-2.774851087	1.50E-004
CG42700	FBgn0261611	-2.763819669	1.35E-010
CG13157	FBgn0033732	-2.760377589	4.99E-006
CG4562	FBgn0038740	-2.759120005	3.38E-012
l(3)mbn	FBgn0002440	-2.724107935	2.60E-011
CG17572	FBgn0032753	-2.711601493	1.28E-008
ppk13	FBgn0053508	-2.708014845	5.99E-018
NA	FBgn0267472	-2.706365967	3.18E-004
CG31103	FBgn0051103	-2.689439054	1.71E-026
CG17322	FBgn0027070	-2.680157901	5.49E-028
CG13731	FBgn0036717	-2.672400625	1.52E-005
CG1368	FBgn0030539	-2.666483978	8.00E-006
Cpr67B	FBgn0035985	-2.664602616	6.57E-025
CG14642	FBgn0037222	-2.663635311	9.17E-014
Lcp65Ae	FBgn0020640	-2.663290846	1.65E-004
CG8888	FBgn0033679	-2.654449764	5.33E-011
CG30457	FBgn0050457	-2.640212171	1.04E-004
CG31326	FBgn0051326	-2.63194007	4.81E-004
NA	FBgn0267127	-2.618319775	4.82E-011
CG32241	FBgn0052241	-2.592426284	2.63E-004
Cpr62Bc	FBgn0035281	-2.587558467	1.65E-003
NA	FBgn0265376	-2.551737713	2.45E-003
CG18304	FBgn0031869	-2.551706455	5.78E-005
CAH1	FBgn0027844	-2.546278148	2.15E-053
l(2)efl	FBgn0011296	-2.542199765	2.15E-014
Cpr78Ca	FBgn0037067	-2.539651618	3.43E-006
CG40298	FBgn0058298	-2.532774639	1.88E-003
CG3588	FBgn0025643	-2.52665973	8.80E-021
Lcp2	FBgn0002533	-2.521014033	9.05E-004
CG44245	FBgn0265180	-2.520022321	2.98E-017

Obp56d	FBgn0034470	-2.51016844	4.10E-077
Nep1	FBgn0029843	-2.510125878	3.86E-012
Ilp2	FBgn0036046	-2.48581467	4.56E-003
CG4306	FBgn0036787	-2.483878112	3.16E-012
CG10348	FBgn0032707	-2.477172541	1.06E-003
Lcp1	FBgn0002531	-2.474470422	1.72E-003
Lcp4	FBgn0002535	-2.472162721	5.38E-004
CG6074	FBgn0039486	-2.464791839	5.93E-065
CG45076	FBgn0266446	-2.44559601	3.69E-013
ng3	FBgn0010295	-2.441483829	4.95E-003
Ac76E	FBgn0004852	-2.435786411	7.05E-013
Cpr49Af	FBgn0033729	-2.434762564	1.09E-006
CG7296	FBgn0032283	-2.425920345	1.82E-038
CG9297	FBgn0038181	-2.410234157	3.75E-005
zye	FBgn0036985	-2.405763258	2.26E-004
ScIB	FBgn0266492	-2.402444295	7.57E-004
Tango8	FBgn0040737	-2.401873871	6.14E-003
RyR	FBgn0011286	-2.398615496	1.13E-005
CG11585	FBgn0030543	-2.396784338	6.11E-022
CG4596	FBgn0037849	-2.391096472	4.47E-005
CG32407	FBgn0052407	-2.390351744	6.02E-025
Act87E	FBgn0000046	-2.389627894	8.32E-008
CG15269	FBgn0028878	-2.384118554	2.53E-005
Dbi	FBgn0010387	-2.383147221	3.29E-020
CG5321	FBgn0030575	-2.381827222	8.66E-007
CG5367	FBgn0032228	-2.365784989	3.42E-003
Proc-R	FBgn0029723	-2.363160411	5.26E-034
Cpr11A	FBgn0030394	-2.360564406	5.14E-004
NA	FBgn0267665	-2.357958618	5.38E-005
NA	FBgn0265204	-2.347174287	1.35E-003
Acp1	FBgn0014454	-2.342617483	1.68E-031
CG18530	FBgn0042207	-2.341477326	1.67E-007
CG9876	FBgn0034821	-2.334362224	5.16E-003
Scgdelta	FBgn0025391	-2.333492333	6.69E-004
CG34305	FBgn0085334	-2.331529502	7.23E-006
NA	FBgn0265760	-2.331241723	4.39E-009
NetA	FBgn0015773	-2.325812497	3.86E-004
nompC	FBgn0016920	-2.316727121	6.63E-003
CG9449	FBgn0036875	-2.315503468	1.53E-005
CG32249	FBgn0052249	-2.315194594	3.44E-005
Unc-89	FBgn0053519	-2.310336061	2.87E-013
CG12607	FBgn0035545	-2.310231174	4.28E-004
Lcp3	FBgn0002534	-2.303396945	7.07E-004
Cpr92F	FBgn0038819	-2.297204552	8.32E-003
CG7227	FBgn0031970	-2.29575349	2.36E-006
CG5023	FBgn0038774	-2.290269785	1.02E-013
Cpr65Aw	FBgn0052404	-2.28945038	4.91E-004
ry	FBgn0003308	-2.289311728	7.81E-011
pip	FBgn0003089	-2.282408322	3.50E-017
NA	FBgn0265580	-2.279366652	3.90E-003
CG32364	FBgn0052364	-2.273868999	1.42E-007
Gbs-76A	FBgn0036862	-2.271693148	3.79E-007
NA	FBgn0267185	-2.255782246	1.01E-002
Sodh-2	FBgn0022359	-2.253276867	2.41E-014
RIC-3	FBgn0050296	-2.248235785	1.91E-007
CG7442	FBgn0037140	-2.235424311	2.33E-013
CG14946	FBgn0032405	-2.231129079	3.28E-006
Mlp84B	FBgn0014863	-2.230596027	2.42E-012
Mhc	FBgn0264695	-2.229274686	5.85E-005

CG17027	FBgn0036553	-2.227618268	6.80E-023
frac	FBgn0035798	-2.227248613	3.93E-004
TpnC73F	FBgn0010424	-2.224795095	5.13E-006
CG9090	FBgn0034497	-2.222218214	2.74E-007
Cyp313a3	FBgn0038007	-2.193499433	3.16E-017
CG10132	FBgn0032798	-2.191156946	5.32E-004
yellow-d2	FBgn0034856	-2.190379723	1.06E-003
Prm	FBgn0003149	-2.18458932	7.77E-006
CG13678	FBgn0035859	-2.182905007	2.88E-021
NA	FBgn0085364	-2.178000487	4.35E-026
Gs2	FBgn0001145	-2.1732067	1.86E-042
CG6867	FBgn0030887	-2.167521821	5.10E-004
Neurochondrin	FBgn0037447	-2.160953197	7.50E-007
to	FBgn0039298	-2.155842351	3.10E-018
CG5177	FBgn0031908	-2.139595033	3.99E-011
Zasp66	FBgn0035917	-2.139245587	8.05E-012
l(2)01289	FBgn0010482	-2.129874022	3.02E-006
CG15515	FBgn0039719	-2.128348511	8.10E-005
wupA	FBgn0004028	-2.124216046	5.49E-012
up	FBgn0004169	-2.124147858	6.38E-006
CG43131	FBgn0262605	-2.119509649	4.22E-003
Nplp4	FBgn0040717	-2.117561489	2.48E-040
Act57B	FBgn0000044	-2.112797207	1.01E-006
CG4962	FBgn0036597	-2.09600771	2.04E-016
CG43897	FBgn0264489	-2.095787867	1.28E-009
t	FBgn0086367	-2.083405239	6.43E-011
CG3394	FBgn0034999	-2.077245204	2.25E-015
CG11854	FBgn0039299	-2.068813588	3.96E-014
Mlc1	FBgn0002772	-2.065547455	1.38E-005
Tm2	FBgn0004117	-2.055945879	5.57E-006
CG1461	FBgn0030558	-2.052564601	6.98E-005
Jheh3	FBgn0034406	-2.050437408	4.87E-021
CG42594	FBgn0260971	-2.047649667	4.41E-003
CG17105	FBgn0032280	-2.044787669	9.82E-003
CG1139	FBgn0035300	-2.043896207	2.54E-003
CG15597	FBgn0037420	-2.043492499	3.18E-004
Lcp65Ag1	FBgn0020638	-2.031338896	9.20E-005
CG30380	FBgn0050380	-2.030244228	3.12E-007
CG45105	FBgn0266566	-2.024632081	1.63E-002
Mf	FBgn0038294	-2.021719822	1.32E-005
CG8560	FBgn0035781	-2.016855669	2.56E-012
CG13728	FBgn0036716	-2.005581158	1.73E-002
CG7202	FBgn0037086	-1.995556096	2.15E-002
CG13255	FBgn0040636	-1.98914384	1.34E-012
Mp20	FBgn0002789	-1.977599795	2.38E-005
CG15202	FBgn0030271	-1.97374257	3.29E-007
MsR1	FBgn0035331	-1.970065198	2.33E-008
CG15059	FBgn0030905	-1.969194535	1.17E-003
Pcp	FBgn0003046	-1.963773337	5.82E-007
CG14854	FBgn0038238	-1.963738855	2.00E-002
NA	FBgn0266970	-1.960956187	9.89E-004
CG3119	FBgn0031466	-1.956391514	4.48E-004
CG33509	FBgn0053509	-1.948312083	1.12E-006
CG14457	FBgn0037174	-1.942743303	1.33E-005
CG4847	FBgn0034229	-1.942109428	1.68E-002
Smyd4	FBgn0036282	-1.93263946	1.86E-002
PK1-R	FBgn0038201	-1.922018886	1.27E-007
NA	FBgn0265497	-1.919517857	1.87E-002
CG7255	FBgn0036493	-1.913671129	2.77E-006

TwdlX	FBgn0052571	-1.912423549	2.35E-002
CG14259	FBgn0039483	-1.908194911	1.44E-009
CG13564	FBgn0034973	-1.905787534	1.28E-003
CG4815	FBgn0039568	-1.903813606	2.48E-002
Glycogenin	FBgn0265191	-1.903542989	9.24E-012
Poxn	FBgn0003130	-1.901318021	3.22E-005
CG9757	FBgn0003060	-1.898947292	3.66E-017
bt	FBgn0005666	-1.895586786	2.47E-004
CG14142	FBgn0036143	-1.890925612	2.41E-002
CG2121	FBgn0033289	-1.870975625	1.65E-023
CG14521	FBgn0039617	-1.86889272	3.20E-002
CG14661	FBgn0037288	-1.863031183	5.37E-006
CG13227	FBgn0033589	-1.861574032	8.56E-003
CG1674	FBgn0039897	-1.850691015	1.50E-006
CG11241	FBgn0037186	-1.848820521	8.97E-027
Cpr60D	FBgn0050163	-1.848512023	4.26E-007
GstD8	FBgn0010044	-1.84726626	5.87E-003
CG7299	FBgn0032282	-1.847014973	6.15E-003
Pkc53E	FBgn0003091	-1.843945884	1.63E-006
Lcp65Ag3	FBgn0086611	-1.842475074	1.09E-002
CG10663	FBgn0036287	-1.842301701	1.81E-021
CG17738	FBgn0038009	-1.83914013	1.47E-008
CanA1	FBgn0010015	-1.829910806	2.93E-003
CG31313	FBgn0051313	-1.829640464	3.00E-015
CG33725	FBgn0053725	-1.82898465	3.58E-002
Argk	FBgn0000116	-1.825791095	2.31E-005
CG15905	FBgn0034462	-1.821291637	8.79E-003
CG10131	FBgn0033949	-1.818469432	1.69E-008
PPO2	FBgn0033367	-1.81465809	1.08E-004
BBS4	FBgn0033578	-1.813497067	2.44E-002
Mlc2	FBgn0002773	-1.81311452	5.56E-011
alphaTub85E	FBgn0003886	-1.81298209	2.06E-004
NA	FBgn0267550	-1.812741552	1.39E-006
CG9451	FBgn0036876	-1.812498333	1.07E-006
NA	FBgn0265066	-1.809723218	1.00E-002
CG42575	FBgn0260795	-1.809026169	5.60E-019
CG10483	FBgn0035649	-1.801461156	9.65E-003
Mlp60A	FBgn0259209	-1.799426481	1.79E-009
CG11029	FBgn0031735	-1.796247486	3.89E-017
CG9134	FBgn0035199	-1.792636538	4.38E-016
Sp212	FBgn0053329	-1.788881402	4.56E-009
dpr12	FBgn0085414	-1.788304241	2.09E-003
CG17739	FBgn0033710	-1.785778127	4.68E-004
CG11321	FBgn0031857	-1.785167275	6.31E-004
CG42711	FBgn0261628	-1.78357979	6.10E-004
CG17026	FBgn0036550	-1.783259271	4.68E-039
CG7497	FBgn0036742	-1.778387438	7.97E-065
Ndg	FBgn0026403	-1.772765243	1.09E-004
CG4984	FBgn0034267	-1.772513844	1.51E-003
CG16798	FBgn0032856	-1.759097666	4.69E-012
CG14301	FBgn0038632	-1.75851746	1.91E-007
tn	FBgn0265356	-1.756556449	1.15E-004
CG14608	FBgn0037487	-1.753444133	1.02E-004
PPO1	FBgn0261362	-1.749847732	2.93E-004
CG13928	FBgn0035246	-1.74586264	5.24E-004
NimC1	FBgn0259896	-1.735078586	1.52E-005
Ets65A	FBgn0005658	-1.73476105	1.17E-002
ETH	FBgn0028738	-1.733532078	2.36E-007
CG15414	FBgn0031542	-1.733421822	2.66E-008

Cnx14D	FBgn0264077	-1.733292437	8.52E-003
CG9822	FBgn0034623	-1.72963607	2.60E-002
CG1441	FBgn0033464	-1.728006176	9.21E-021
CG5867	FBgn0027586	-1.724614572	2.25E-026
lectin-24Db	FBgn0040102	-1.722545668	2.76E-005
pdgy	FBgn0027601	-1.716699203	3.38E-021
CG13044	FBgn0036599	-1.716234691	4.00E-025
Ugt58Fa	FBgn0040091	-1.714168275	5.83E-025
ninaC	FBgn0002938	-1.706655837	3.02E-002
CG17189	FBgn0039485	-1.695702886	1.51E-004
CG15529	FBgn0039748	-1.694379253	3.51E-009
Pxd	FBgn0004577	-1.678893318	1.09E-022
CG4576	FBgn0038366	-1.675405618	5.69E-005
GluRIID	FBgn0028422	-1.674774543	5.90E-003
TwdIP	FBgn0039435	-1.674167332	3.95E-003
Cyp18a1	FBgn0010383	-1.671635384	1.54E-002
CG7402	FBgn0036768	-1.669886243	6.87E-024
CG14445	FBgn0029851	-1.664522252	1.10E-002
CG15695	FBgn0038832	-1.660046499	7.39E-004
7B2	FBgn0041707	-1.657294661	8.84E-013
CG32333	FBgn0052333	-1.656536258	3.44E-002
CG9896	FBgn0034808	-1.655562021	9.88E-008
sqa	FBgn0259678	-1.641316449	1.30E-003
AQP	FBgn0033807	-1.640961913	5.18E-003
CG10345	FBgn0027562	-1.629366348	9.76E-014
CG12910	FBgn0033502	-1.622496035	6.36E-003
CG6018	FBgn0034736	-1.621731395	2.04E-005
CG14964	FBgn0035410	-1.612858316	1.59E-004
CG2070	FBgn0033203	-1.612633841	2.72E-015
l(2)34Fc	FBgn0261534	-1.611519693	5.23E-017
TpnC47D	FBgn0010423	-1.610727934	4.54E-007
CG14456	FBgn0037176	-1.608896263	9.83E-013
CG15822	FBgn0035308	-1.60595131	1.42E-018
mthl2	FBgn0035623	-1.600974753	8.49E-005
CG2604	FBgn0037298	-1.596543628	2.61E-020
CG15353	FBgn0040718	-1.593772831	1.04E-018
sev	FBgn0003366	-1.588175381	2.03E-005
Sr-CIV	FBgn0031547	-1.587528806	3.19E-002
Cyp318a1	FBgn0030369	-1.587339635	5.93E-022
Slc45-1	FBgn0035968	-1.585698126	3.48E-019
St3	FBgn0265052	-1.579476335	5.50E-005
GluRIIC	FBgn0046113	-1.577875576	1.07E-002
CG5278	FBgn0038986	-1.571125375	1.12E-004
CG8519	FBgn0035711	-1.567323108	8.41E-003
CG17760	FBgn0033756	-1.567160215	2.74E-002
CG33460	FBgn0053460	-1.565841306	1.08E-002
sls	FBgn0086906	-1.564372218	3.23E-008
Sr-CI	FBgn0014033	-1.561969019	6.37E-007
CG13995	FBgn0031770	-1.561705983	1.13E-003
eater	FBgn0243514	-1.561323739	5.88E-006
GlcAT-P	FBgn0036144	-1.559906898	4.49E-007
Pxn	FBgn0011828	-1.556541127	4.23E-008
CG10019	FBgn0031568	-1.548459476	3.33E-004
Gk	FBgn0035266	-1.546830328	5.14E-022
CG6972	FBgn0039008	-1.542946391	1.64E-002
CG17350	FBgn0032772	-1.538705187	1.65E-003
CG10365	FBgn0039109	-1.534588361	1.86E-012
Cyp311a1	FBgn0030367	-1.529229191	2.52E-002
CG10026	FBgn0032785	-1.525437628	6.00E-004

CG3328	FBgn0034985	-1.521837279	1.97E-030
Cyp6a13	FBgn0033304	-1.516425681	6.21E-006
mthl15	FBgn0051720	-1.515374685	2.61E-002
CG8492	FBgn0035813	-1.515062705	2.42E-011
PH4alphaMP	FBgn0026190	-1.512255701	9.54E-020
CG4239	FBgn0030745	-1.507829681	1.99E-008
fu12	FBgn0026718	-1.507198755	2.53E-003
Hr38	FBgn0014859	-1.495461484	3.19E-010
CG5376	FBgn0038977	-1.49514685	2.60E-002
CG31029	FBgn0051029	-1.489850666	1.25E-002
Skeletor	FBgn0262717	-1.486241314	3.54E-023
CG7991	FBgn0035260	-1.4841347	7.55E-004
Dll	FBgn0000157	-1.482506779	4.02E-003
CG14285	FBgn0038674	-1.482060757	2.21E-003
CG9509	FBgn0030594	-1.478083859	2.28E-002
CG40486	FBgn0263830	-1.473028831	1.64E-017
Ggamma30A	FBgn0267252	-1.467736188	8.73E-003
CG15343	FBgn0030029	-1.466507591	5.16E-005
sals	FBgn0051374	-1.465935249	3.32E-005
yellow-e2	FBgn0038151	-1.463969927	2.68E-003
CG10361	FBgn0036208	-1.460415662	1.95E-002
CG8249	FBgn0034045	-1.45524925	2.91E-003
CG2781	FBgn0037534	-1.443835556	1.51E-004
B-H2	FBgn0004854	-1.44313712	2.18E-002
CG7759	FBgn0033633	-1.428230126	3.16E-002
adat	FBgn0028658	-1.426285471	7.71E-008
Phlpp	FBgn0032749	-1.418368007	1.80E-002
CG17974	FBgn0034624	-1.416033013	2.38E-002
msta	FBgn0053548	-1.414854834	2.00E-002
axo	FBgn0262870	-1.413397165	2.88E-005
su(r)	FBgn0086450	-1.40473543	5.09E-008
CG6106	FBgn0030914	-1.397604686	3.18E-002
lectin-28C	FBgn0040099	-1.396537437	7.66E-005
NA	FBgn0267276	-1.394847096	6.42E-018
nompA	FBgn0016047	-1.391058432	1.81E-002
CG5612	FBgn0039529	-1.386654073	3.52E-002
Damm	FBgn0033659	-1.385176135	3.08E-002
CG4927	FBgn0034139	-1.384521333	1.91E-003
CG32335	FBgn0063667	-1.383527596	1.46E-002
CG13258	FBgn0032582	-1.38280295	3.09E-002
CG11378	FBgn0040364	-1.38160709	9.73E-004
NtR	FBgn0029147	-1.381390297	1.70E-006
NA	FBgn0063127	-1.370640128	4.71E-004
CG15201	FBgn0030272	-1.354710399	8.28E-006
alpha-Est1	FBgn0015568	-1.353615051	1.53E-006
Ptr1A	FBgn0062413	-1.346455041	2.49E-027
Pburs	FBgn0264810	-1.34342906	3.74E-003
CG15630	FBgn0031627	-1.333808882	1.35E-003
CG5597	FBgn0034920	-1.332349815	7.81E-004
PH4alphaNE1	FBgn0039780	-1.329805643	6.86E-005
shf	FBgn0003390	-1.321814076	3.54E-014
CG9413	FBgn0030574	-1.317757879	3.49E-003
CG18747	FBgn0042104	-1.316451826	1.79E-002
CG5225	FBgn0038468	-1.313505799	3.10E-002
CG17109	FBgn0039051	-1.313141175	2.89E-003
CG3961	FBgn0036821	-1.308046239	1.04E-003
NA	FBgn0260720	-1.296563556	2.14E-002
NA	FBgn0085753	-1.294069254	2.09E-002
Cat	FBgn0000261	-1.293687259	1.44E-016

NnaD	FBgn0265726	-1.291234199	5.64E-003
Vha68-1	FBgn0265262	-1.279104467	3.38E-003
CG1092	FBgn0037228	-1.27893941	3.79E-005
wat	FBgn0039620	-1.278678813	2.61E-036
Rab3	FBgn0005586	-1.278078357	4.07E-003
gcm	FBgn0014179	-1.267577696	9.50E-003
sro	FBgn0262112	-1.267223513	6.16E-004
CG10178	FBgn0032684	-1.2665579	2.46E-008
CG10467	FBgn0035679	-1.252819398	3.30E-006
dnc	FBgn0000479	-1.252206923	2.73E-013
Cpr78Cc	FBgn0037069	-1.250747747	3.25E-002
CG43980	FBgn0264711	-1.250568878	2.07E-006
CG17843	FBgn0038919	-1.243456134	6.26E-008
CG43134	FBgn0262608	-1.237362332	6.19E-003
Cyp305a1	FBgn0036910	-1.234469175	3.21E-016
rost	FBgn0011705	-1.2334251	2.02E-005
NA	FBgn0033997	-1.229627541	2.12E-002
CG5391	FBgn0038943	-1.227853267	1.07E-002
Cpr47Ec	FBgn0033600	-1.220719953	1.22E-016
Cpr97Eb	FBgn0039481	-1.218663534	8.94E-003
CG7173	FBgn0037099	-1.218572916	3.34E-002
CG16758	FBgn0035348	-1.218062758	5.93E-003
CG32373	FBgn0052373	-1.21565469	2.16E-003
obst-E	FBgn0031737	-1.215504565	1.44E-010
CG6125	FBgn0038337	-1.21330135	1.05E-009
CG4259	FBgn0031389	-1.208469557	1.13E-004
Vha36-3	FBgn0040377	-1.208347867	5.69E-008
CG34382	FBgn0085411	-1.205850656	6.01E-003
svp	FBgn0003651	-1.204114855	1.76E-004
CG30196	FBgn0050196	-1.199868207	3.12E-005
Pal2	FBgn0262728	-1.1927379	5.24E-004
CG8180	FBgn0034021	-1.189782288	5.64E-044
CG34208	FBgn0085237	-1.188444503	4.93E-005
cv-d	FBgn0265048	-1.187079385	1.57E-007
CG17028	FBgn0036552	-1.186698058	3.02E-002
CG45078	FBgn0266448	-1.185923219	1.59E-002
Asph	FBgn0034075	-1.184222422	2.00E-005
CG43729	FBgn0263980	-1.18403105	2.77E-002
CG34462	FBgn0085491	-1.179866914	6.80E-014
ZnT77C	FBgn0037000	-1.177676703	1.07E-009
CG9427	FBgn0037721	-1.176484681	3.18E-017
CG11509	FBgn0029584	-1.170431711	2.59E-003
CG3301	FBgn0038878	-1.170415225	2.26E-002
CG31473	FBgn0051473	-1.168573059	7.50E-005
Actn	FBgn0000667	-1.167988508	8.98E-007
He	FBgn0028430	-1.165416929	9.58E-004
CG9664	FBgn0031515	-1.164573771	1.23E-003
CG5322	FBgn0032253	-1.162008816	1.78E-003
CG8501	FBgn0033724	-1.157589543	4.71E-005
SP1173	FBgn0035710	-1.15287905	1.38E-068
Hml	FBgn0029167	-1.152659939	3.03E-006
CG6028	FBgn0038924	-1.151283133	4.71E-036
Cerk	FBgn0037315	-1.143959462	7.48E-015
CG5335	FBgn0034365	-1.138728475	3.36E-007
CG34232	FBgn0085261	-1.134507246	1.52E-012
CG44247	FBgn0265182	-1.133574313	2.89E-003
CG31337	FBgn0051337	-1.133548695	8.73E-003
CG32165	FBgn0042178	-1.129770413	5.56E-008
CG4019	FBgn0034885	-1.123591816	5.64E-003

CG33521	FBgn0250819	-1.122327366	8.01E-003
Bx	FBgn0265598	-1.120631187	1.11E-004
Sema-2b	FBgn0264273	-1.118817851	3.17E-005
Syn1	FBgn0037130	-1.109087223	5.35E-009
Ance-5	FBgn0035076	-1.10877504	2.66E-004
Adgf-C	FBgn0038173	-1.103165748	4.66E-008
CG8503	FBgn0033917	-1.101442896	3.00E-002
Ank2	FBgn0261788	-1.098684748	3.26E-002
br	FBgn0000210	-1.094080059	2.44E-005
CG4982	FBgn0036598	-1.086200853	2.13E-003
GlyP	FBgn0004507	-1.08349363	5.48E-017
NimB4	FBgn0028542	-1.082265043	3.07E-003
Pen	FBgn0267727	-1.078184341	1.29E-011
Pglym78	FBgn0014869	-1.0774928	7.00E-060
Cht3	FBgn0250907	-1.073074042	7.84E-010
CG8012	FBgn0040832	-1.072474648	8.76E-012
Rh50	FBgn0028699	-1.072015642	2.65E-002
CG17029	FBgn0036551	-1.071489807	1.44E-027
kar	FBgn0001296	-1.068204503	2.38E-003
tey	FBgn0036899	-1.064191676	3.61E-002
CG9521	FBgn0030588	-1.061897308	1.95E-003
CG9812	FBgn0034860	-1.054661441	1.86E-010
alpha-Est5	FBgn0261393	-1.054403837	2.45E-004
IA-2	FBgn0031294	-1.050426476	7.91E-005
AOX3	FBgn0038349	-1.048667685	5.21E-017
Lsd-1	FBgn0039114	-1.043239498	1.04E-006
CG11893	FBgn0039316	-1.042478421	1.22E-004
CG12262	FBgn0035811	-1.038301236	2.01E-008
Cyp6w1	FBgn0033065	-1.036016488	2.96E-003
CG7203	FBgn0031942	-1.032671976	3.00E-002
NA	FBgn0262353	-1.032302019	3.57E-006
Rbp9	FBgn0010263	-1.027523642	1.04E-002
regucalcin	FBgn0030362	-1.025932354	9.08E-005
CG3009	FBgn0029720	-1.025462314	4.56E-011
Ppn	FBgn0003137	-1.024286779	3.69E-009
CG2321	FBgn0039663	-1.024210152	1.62E-002
CBP	FBgn0026144	-1.021993197	1.89E-036
inaE	FBgn0261244	-1.020121465	3.32E-007
kuk	FBgn0038476	-1.016811355	1.44E-010
Snoo	FBgn0085450	-1.015687726	4.41E-010
CG34331	FBgn0085360	-1.012731476	1.32E-003
Dtg	FBgn0038071	-1.011476575	2.47E-005
CG34215	FBgn0085244	-1.008610713	3.16E-003
RSG7	FBgn0024941	-1.008044852	1.70E-002
CG18643	FBgn0037898	-1.00639993	1.41E-004
stg	FBgn0003525	-1.004368881	7.57E-010