

Table S3. Genes differentially regulated by MGE

	Gene_ID (WormBase)	Pvalue	log2FC	regulated
1	WBGene00045265	0.001735488	-0.913968452	down
2	WBGene00001447	0.021775647	-0.592156167	down
3	WBGene00008661	0.008475947	0.967918741	up
4	WBGene00013835	0.004824631	0.687803791	up
5	WBGene00009070	0.027306264	-0.629075175	down
6	WBGene00019417	0.045556462	-0.633981493	down
7	WBGene00009468	0.007451351	0.836777746	up
8	WBGene00015028	0.04365933	0.70483426	up
9	WBGene00045458	0.01427767	-0.766189228	down
10	WBGene00011362	0.019397455	-0.667540182	down
11	WBGene00011171	0.045838155	0.618171949	up
12	WBGene00006409	0.00831784	0.820148935	up
13	WBGene00013526	0.026818463	-0.811245661	down
14	WBGene00016863	4.72E-06	1.522883229	up
15	WBGene00000669	0.042514422	-0.676241028	down
16	WBGene00022951	0.000572964	0.919971904	up
17	WBGene00016437	0.00395306	0.86947091	up
18	WBGene00017909	0.001588294	-0.73450174	down
19	WBGene00045387	0.024837692	-0.705123054	down
20	WBGene00013976	0.00236101	0.764343148	up
21	WBGene00022876	0.041410669	0.694816304	up
22	WBGene00014130	0.049744518	-0.590658089	down
23	WBGene00000691	0.001367021	-0.722610974	down
24	WBGene00020258	0.038519163	0.601895899	up
25	WBGene00002199	0.001514465	-0.978109512	down
26	WBGene00000740	0.010209683	-0.838054526	down
27	WBGene00000295	0.036837134	-0.594257582	down
28	WBGene00306078	0.007909003	0.607243465	up
29	WBGene00007341	0.011237422	-0.877030121	down
30	WBGene00016357	0.002053083	0.630610188	up
31	WBGene00023477	1.13E-05	-0.631173748	down
32	WBGene00010366	0.011849831	0.59383857	up
33	WBGene00000601	0.00935909	-1.112717949	down

34	WBGene00000703	0.000236432	-1.121692125	down
35	WBGene00008042	0.028992494	-0.613124547	down
36	WBGene00077559	0.046232137	0.640488686	up
37	WBGene00019579	0.033588333	-0.594712342	down
38	WBGene00009230	0.030460668	0.669349784	up
39	WBGene00022431	0.048874919	-0.679214085	down
40	WBGene00044178	0.01979812	0.645714276	up
41	WBGene00007490	0.025968478	-0.841649237	down
42	WBGene00004218	0.035535454	-0.74518736	down
43	WBGene00020175	0.027645786	0.814136853	up
44	WBGene00000853	0.02587592	-0.692066609	down
45	WBGene00269434	0.040441469	0.608185708	up
46	WBGene00020435	0.034919359	0.736661694	up
47	WBGene00001718	0.019270125	-0.647530526	down
48	WBGene00005444	0.020941255	0.742646711	up
49	WBGene00044588	0.004924242	0.701676902	up
50	WBGene00015991	0.000114596	1.254461829	up
51	WBGene00017013	0.004099567	-0.923543887	down
52	WBGene00016988	0.010803754	0.712480116	up
53	WBGene00017556	0.016180098	0.630721914	up
54	WBGene00022445	0.006930794	-0.641542721	down
55	WBGene00009685	0.037717305	0.62185041	up
56	WBGene00019587	0.019927936	0.684776822	up
57	WBGene00011578	0.046109793	-0.654676579	down
58	WBGene00003112	0.018973267	-0.696836459	down
59	WBGene00008534	0.028891958	0.598671151	up
60	WBGene00002227	0.04398528	-0.586292782	down
61	WBGene00021120	0.003990561	-1.040667253	down
62	WBGene00018548	0.00832149	0.791823836	up
63	WBGene00017227	0.007528309	-0.805037476	down
64	WBGene00016329	0.006235124	-0.81115553	down
65	WBGene00010034	0.00095333	0.825369462	up
66	WBGene00014063	0.011002876	-0.600538878	down
67	WBGene00007866	0.003209996	-0.732171758	down
68	WBGene00007285	0.023732822	-0.693435917	down

69	WBGene00017802	0.017530982	0.769128411	up
70	WBGene00010957	0.016062219	1.128008059	up
71	WBGene00007320	0.021503158	0.64596414	up
72	WBGene00020743	0.034878158	0.798059617	up
73	WBGene00017938	0.026540349	-0.649219835	down
74	--	0.000610043	0.606587188	up
75	WBGene00020635	0.002939064	1.456246883	up
76	WBGene00003684	0.013117939	0.65173523	up
77	WBGene00017720	0.028644468	0.621288165	up
78	WBGene00011800	0.000304915	1.146073559	up
79	WBGene00021927	0.000700108	-0.69463254	down
80	WBGene00000594	0.000981867	-0.755780637	down
81	WBGene00000667	0.018351749	-0.861740648	down
82	WBGene00016037	0.000146592	1.318727438	up
83	WBGene00005092	0.033749101	-0.671927377	down
84	WBGene00018468	0.014552979	0.742270092	up
85	WBGene00007899	0.004794497	0.721768477	up
86	WBGene00000602	7.84E-06	-1.347755237	down
87	WBGene00019648	0.003928311	-0.858843897	down
88	WBGene00003879	0.006553228	-0.758834373	down
89	WBGene00017710	0.042850652	-0.675355403	down
90	WBGene00000653	0.018463918	-1.107488778	down
91	WBGene00013187	0.010856992	-0.797138531	down
92	WBGene00010214	0.007581148	0.621352313	up
93	WBGene00017489	0.009751973	0.828959699	up
94	WBGene00022888	0.033392515	0.746176106	up
95	WBGene00021362	0.04111661	-0.61978677	down
96	WBGene00014820	0.000546323	0.650693239	up
97	WBGene00019086	0.019370752	0.619345401	up
98	WBGene00010136	0.015925853	0.656084049	up
99	WBGene00016054	0.016020419	0.926854391	up
100	WBGene00000712	0.000454392	-0.986483492	down
101	WBGene00021374	0.046891616	0.661481943	up
102	WBGene00000401	0.019380848	-0.683942163	down
103	WBGene00023414	0.001038489	-0.72818477	down

104	WBGene00013785	0.045176337	0.635208211	up
105	WBGene00009842	0.001721407	-0.912265851	down
105	WBGene00021625	0.041883533	-0.735902185	down
107	WBGene00011672	0.001819124	0.758038796	up
108	WBGene00009416	0.003693526	0.759894161	up
109	WBGene00219859	0.036245785	-0.593296125	down
110	WBGene00008235	0.048585121	0.624976577	up
111	WBGene00000525	0.004196818	-0.689903536	down
112	WBGene00007121	0.005099528	0.721422283	up
113	WBGene00016356	0.040617068	-0.691777691	down
114	WBGene00304992	0.008840706	-0.827217561	down
115	WBGene00012786	0.001275184	0.634049933	up
116	WBGene00012916	0.017007595	0.603893495	up
117	WBGene00006684	0.014486561	0.716289802	up
118	WBGene00000599	0.044710827	-0.61527646	down
119	WBGene00017597	0.031381252	0.605424572	up
120	WBGene00000526	0.021429666	-0.620697945	down
121	WBGene00015115	0.012326153	0.659237141	up
122	WBGene00020069	0.010211526	-0.784563183	down
123	WBGene00017287	0.013828755	-1.000536318	down
124	WBGene00003533	0.003913208	-0.928775462	down
125	WBGene00008529	0.002780886	0.775482676	up
126	WBGene00001986	0.034551196	0.593990781	up
127	WBGene00021007	0.000632703	0.692889571	up
128	WBGene00077756	0.037192261	0.599869875	up
129	WBGene00010747	0.031846827	-0.609565882	down
130	WBGene00018442	0.008094768	-1.005975818	down
131	WBGene00006628	9.35E-05	1.116935391	up
132	WBGene00012953	0.015125753	0.699268166	up
133	WBGene00043994	0.011959234	0.751445841	up
134	WBGene00010242	0.034311049	-0.600827318	down
135	WBGene00013155	0.007625807	0.737210979	up
136	WBGene00018748	0.00864016	-0.75919041	down
137	WBGene00007916	0.026671024	-0.690388641	down
138	WBGene00012138	0.037204411	0.729847618	up

139	WBGene00013700	0.023928063	0.592314459	up
140	WBGene00000616	0.000547888	-1.282870399	down
141	WBGene00013513	0.011081148	-0.669492822	down
142	WBGene00010219	0.000180366	-0.770065004	down
143	WBGene00269425	0.043363928	-0.666774728	down
144	WBGene00022765	0.000519896	0.590592081	up
145	WBGene00001246	0.003377035	0.782170819	up
146	WBGene00002184	0.019526483	-0.622010424	down
147	WBGene00020747	0.010494129	-0.625062445	down
148	WBGene00000720	0.037537894	-1.242349438	down
149	WBGene00012123	0.005161595	0.744221899	up
150	WBGene00008651	0.042913117	-0.598817224	down