

Supplemental Table S2. The mean linear total RPKM values for each cysteine peptidase gene in each *T. castaneum* life stage with standard error for each mean.

P-value is from Kruskal-Wallis test (df=3).

Gene ID	RPKM (mean linear)				Standard error				Kruskal-Wallis	
	Adult	Egg	Larvae	Pupae	Adult	Egg	Larvae	Pupae	χ^2	p-value
LOC659441	3,850	0.50	55,600	11.2	0.56	2.11	0.21	4.33	9.21	0.03
LOC659502	6,390	0.03	13,600	1.90	0.57	0.00	0.09	3.05	9.21	0.03
LOC659226	817	734	878	26.4	0.42	0.19	0.08	4.95	1.51	0.68
LOC659367	42.9	0.03	24.0	0.03	0.77	0.00	0.16	0.00	10.2	0.02
LOC659565	3.82	5.75	0.15	1.54	0.97	0.69	2.40	2.91	3.55	0.31
LOC660368	489	0.16	1,870	0.03	0.86	2.56	0.12	0.00	9.07	0.03
LOC660551	0.61	0.03	0.42	0.03	2.37	0.00	1.97	0.00	5.41	0.14
LOC660428	8.29	0.13	0.03	0.03	0.78	2.25	0.00	0.00	9.31	0.03
LOC660669	7.77	0.10	0.89	0.08	0.91	1.90	2.56	1.57	8.42	0.04
LOC663234	233	324	287	818	0.11	0.28	0.17	0.20	3.00	0.39
LOC660491	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00	-	-
LOC656198	35.9	25.2	44.5	4.04	0.90	0.54	0.19	3.60	1.51	0.68
LOC662417	57.9	18.7	42.7	5.30	0.33	0.11	0.08	3.80	3.82	0.28
LOC663145	669	0.57	1,690	1.47	0.24	2.40	0.20	2.86	8.56	0.04
LOC663117	65.6	0.03	162	4.42	0.16	0.03	0.11	3.66	5.86	0.12
LOC663090	93.3	0.12	148	0.54	0.52	1.96	0.12	2.17	9.08	0.03

LOC663066	337	188	372	14.6	0.28	0.07	0.08	4.52	2.99	0.41
LOC658343	0.36	0.10	0.03	0.03	1.85	1.90	0.00	0.00	-	-
LOC655148	112	0.13	59.5	0.03	1.02	2.25	0.17	0.00	9.40	0.02
LOC655077	0.10	0.03	0.03	0.03	1.82	0.00	0.00	0.00	-	-
LOC657117	9.14	0.03	1.65	0.33	0.60	0.00	2.96	1.85	7.19	0.07
LOC657203	4.16	0.03	10.8	0.03	0.68	0.00	0.42	0.00	9.50	0.02
LOC656957	9.87	0.03	0.64	0.08	0.812	0.00	2.40	1.48	8.42	0.04
LOC657038	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00	-	-
LOC659087	36.1	35.3	15.4	115	0.37	0.07	0.15	0.26	8.08	0.04
LOC100141668	1.24	0.03	0.10	0.03	2.75	0.00	1.88	0.00	4.99	0.17