

Additional file 4: Table S4. Complete list of significantly expanded gene families in *Glyptelasma gigas*

<i>Glyptelasma gigas</i>	<i>Octolasmis warwicki</i>	<i>Eurytemora affinis</i>	<i>Daphnia pulex</i>	<i>Parhyale hawaiiensis</i>	<i>Litopenaeus vannamei</i>	P value	Function annotation
28	8	1	0	1	0	1.40E-04	X-ray repair cross-complementing protein 4 (XRCC4)
19	8	3	4	1	0	3.51E-02	PREDICTED: uncharacterized protein LOC100568550
30	2	0	0	0	0	6.27E-23	Tenascin
26	1	0	1	1	0	2.19E-34	Titin
20	8	0	0	0	0	2.14E-02	Circovirus capsid protein
17	6	0	0	1	1	1.76E-02	Ribosomal protein L13e
17	0	0	0	3	2	5.16E-18	Protocadherin fat 4/16/23
20	1	0	0	0	0	2.91E-20	Very short patch repair endonuclease (VSR)
17	3	0	0	0	0	4.69E-05	Pro-kumamolisin, activation domain
15	4	0	0	1	0	4.90E-03	Integrase core domain
15	5	0	0	0	0	2.01E-02	hypothetical protein HELRODRAFT_163242
15	4	0	0	0	0	4.90E-03	PREDICTED: uncharacterized protein LOC105338248
14	5	0	0	0	0	3.72E-02	RNA-directed DNA polymerase from mobile element jockey [<i>Larimichthys crocea</i>]
10	2	2	0	4	0	6.71E-03	PREDICTED: RNA-directed DNA polymerase from mobile element jockey-like
14	4	0	0	0	0	1.07E-02	PREDICTED: uncharacterized protein LOC105564550
14	1	0	0	1	0	5.28E-10	RNA-directed DNA polymerase from mobile element jockey [<i>Drosophila melanogaster</i>]
12	4	0	0	0	0	4.33E-02	Trehalose phosphatase
11	1	0	3	0	0	2.60E-06	hypothetical protein [<i>Cotesia congregata</i>]
11	0	1	0	0	2	2.16E-10	PREDICTED: titin [<i>Tribolium castaneum</i>]

9	1	0	4	0	0	2.25E-04	hypothetical protein DAPPUDRAFT_118411
9	3	0	0	0	0	9.56E-02	--
9	2	0	0	0	0	1.90E-02	hypothetical protein N307_01365, partial
8	1	0	0	1	0	1.46E-03	--
7	1	0	0	1	1	7.53E-03	Plexin-B [<i>Drosophila melanogaster</i>]
8	1	0	0	0	0	1.46E-03	THAP domain
7	1	0	0	0	0	7.53E-03	Nine Cysteines Domain of family 3 GPCR