

Supplementary Table S7. Significantly enriched GO terms (padj<0.05)

Category	GO ID	Description	Gene Count	Down	UP	padj
BP	GO:0006022	aminoglycan metabolic process	12	7	5	0.008546
BP	GO:0006030	chitin metabolic process	10	6	4	0.008546
BP	GO:0006040	amino sugar metabolic process	10	6	4	0.008546
BP	GO:1901071	glucosamine-containing compound metabolic process	10	6	4	0.008546
CC	GO:0005576	extracellular region	25	17	8	6.41E-06
MF	GO:0042302	structural constituent of cuticle	34	16	18	1.10E-13
MF	GO:0005198	structural molecule activity	36	18	18	8.82E-07
MF	GO:0008061	chitin binding	10	6	4	0.002926
MF	GO:0050660	flavin adenine dinucleotide binding	11	6	5	0.021061

BP:Biological Process. CC:Cell Component. MF:Molecular Function. Down: Down-regulated gene count. UP: Up-regulated gene count.