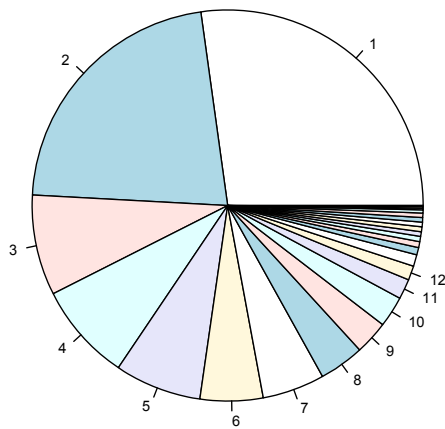
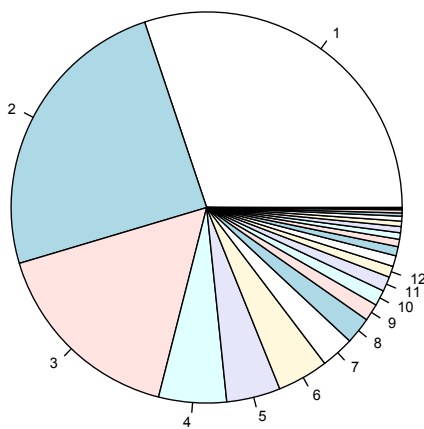


BIOLOGICAL PROCESS	
1	- metabolism (36305)
2	- development (7798)
3	- protein metabolism (6931)
4	- biosynthesis (6766)
5	- response to stress (5263)
6	- cell organization and biogenesis (4827)
7	- transport (4778)
8	- nucleobase nucleoside nucleotide and nucleic acid metabolism (4493)
9	- catabolism (4062)
10	- protein modification (3939)
11	- response to abiotic stimulus (3654)
12	- reproduction (3610)
13	- cell communication (3383)
14	- carbohydrate metabolism (3256)
15	- signal transduction (2731)
16	- morphogenesis (2475)
17	- response to biotic stimulus (2230)
18	- lipid metabolism (2168)
19	- response to endogenous stimulus (2073)
20	- cell differentiation (1608)
21	- response to external stimulus (1573)
22	- growth (1564)
23	- cell cycle (1406)
24	- secondary metabolism (1388)
25	- DNA metabolism (1256)
26	- generation of precursor metabolites and energy (1047)
27	- cell growth (1036)
28	- embryonic development (1026)
29	- protein biosynthesis (1015)
30	- regulation of gene expression epigenetic (665)
31	- death (655)
32	- cell death (655)
33	- cell homeostasis (440)
34	- cell-cell signaling (134)
35	- behavior (51)



MOLECULAR FUNCTION ACTIVITY	
1	- binding (20665)
2	- catalytic activity (16686)
3	- nucleotide binding (6318)
4	- transferase activity (6160)
5	- hydrolase activity (5444)
6	- nucleic acid binding (3959)
7	- protein binding (3900)
8	- kinase activity (2836)
9	- transporter activity (2128)
10	- DNA binding (1942)
11	- RNA binding (1262)
12	- transcription factor activity (890)
13	- structural molecule activity (737)
14	- signal transducer activity (453)
15	- enzyme regulator activity (383)
16	- carbohydrate binding (325)
17	- receptor activity (300)
18	- nuclease activity (300)
19	- lipid binding (295)
20	- translation factor activity, nucleic acid binding (282)
21	- chromatin binding (278)
22	- motor activity (196)
23	- transcription regulator activity (106)
24	- receptor binding (90)
25	- oxygen binding (68)
26	- translation regulator activity (7)



CELLULAR COMPONENT	
1	- cell (39790)
2	- intracellular (32300)
3	- cytoplasm (21700)
4	- nucleus (7396)
5	- plasma membrane (5876)
6	- plastid (5585)
7	- mitochondrion (3589)
8	- cytosol (2925)
9	- extracellular region (1882)
10	- vacuole (1709)
11	- Golgi apparatus (1607)
12	- external encapsulating structure (1225)
13	- cell wall (1182)
14	- endoplasmic reticulum (1001)
15	- nucleolus (798)
16	- thylakoid (716)
17	- ribosome (685)
18	- cytoskeleton (579)
19	- endosome (525)
20	- peroxisome (367)
21	- nucleoplasm (328)
22	- nuclear membrane (171)
23	- extracellular space (43)
24	- lysosome (25)
25	- extracellular matrix (sensu Metazoa) (10)

Figure S4 The distribution of transcripts within the *I. purpurea* transcriptome assigned to GOSlim categories within the Biological Process, Molecular Function and Cellular Component GO categories.