



**ADDITIONAL DATA: Gene Ontology at level 3 of orthogroups that seem to be specific to Hexactinellida: present in *Opsacas minuta* but not shared with other sponge lineages (represented if >1%)**

GO inferred via a domain search using InterProScan (Quevillon et al 2005) against the conserved domain database at NCBI.GO identifiers were used on WEGO (<http://wego.genomics.org.cn/>).

The main GO categories are represented in different colors to help the reader.