

Amino acid alignment of tunicate GH6 and CesA proteins

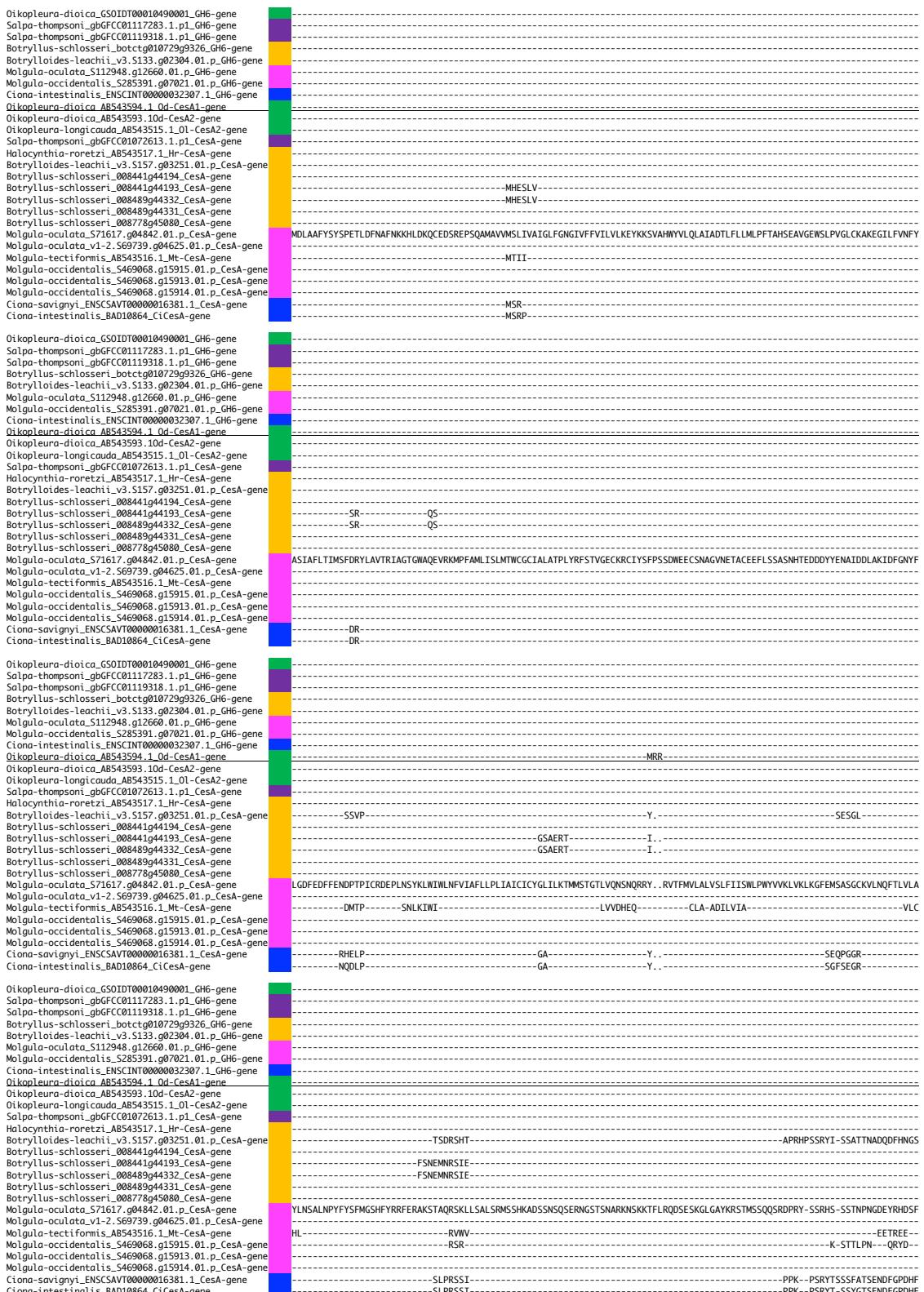


Fig. S1- 1

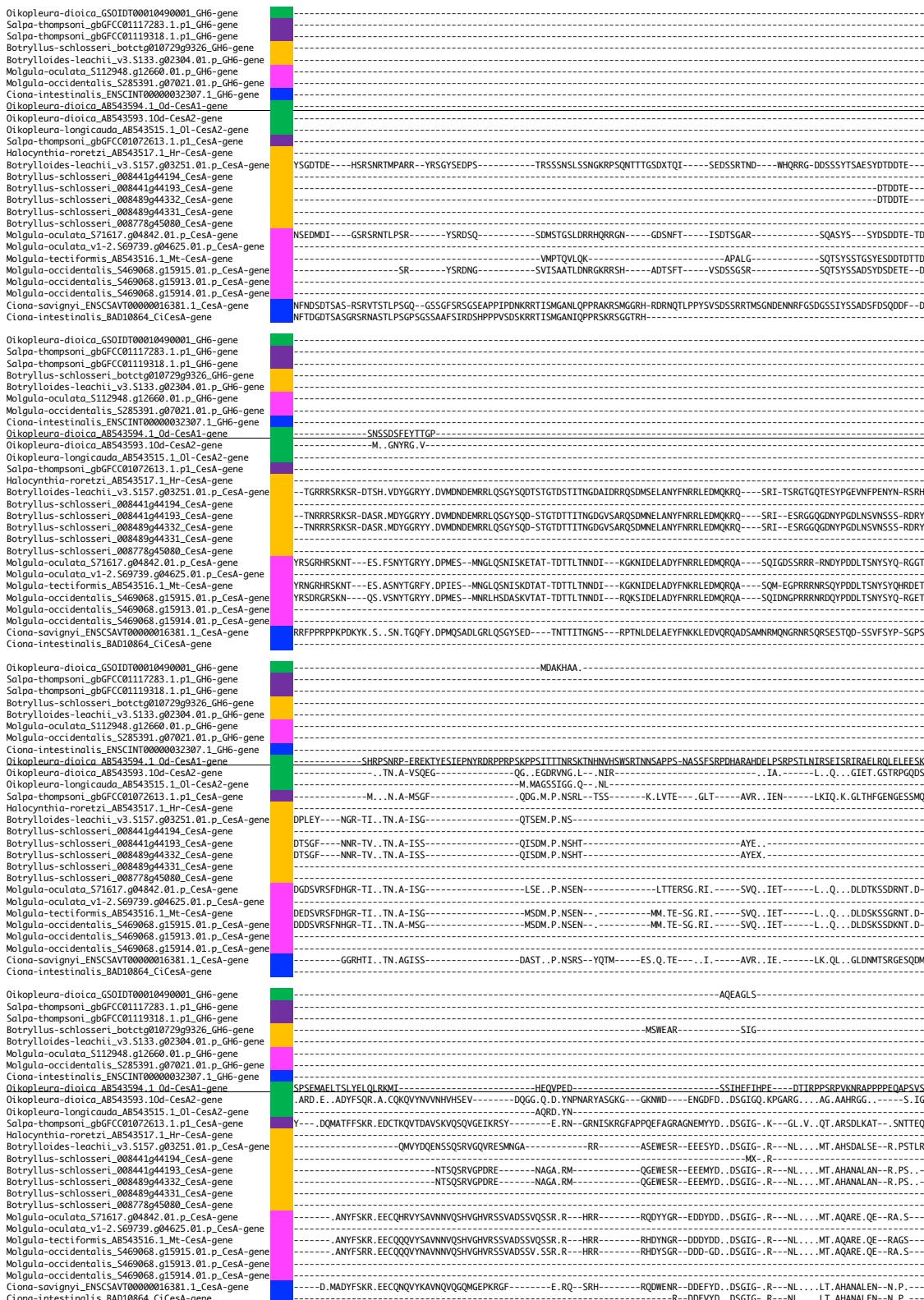


Fig. S1- 2

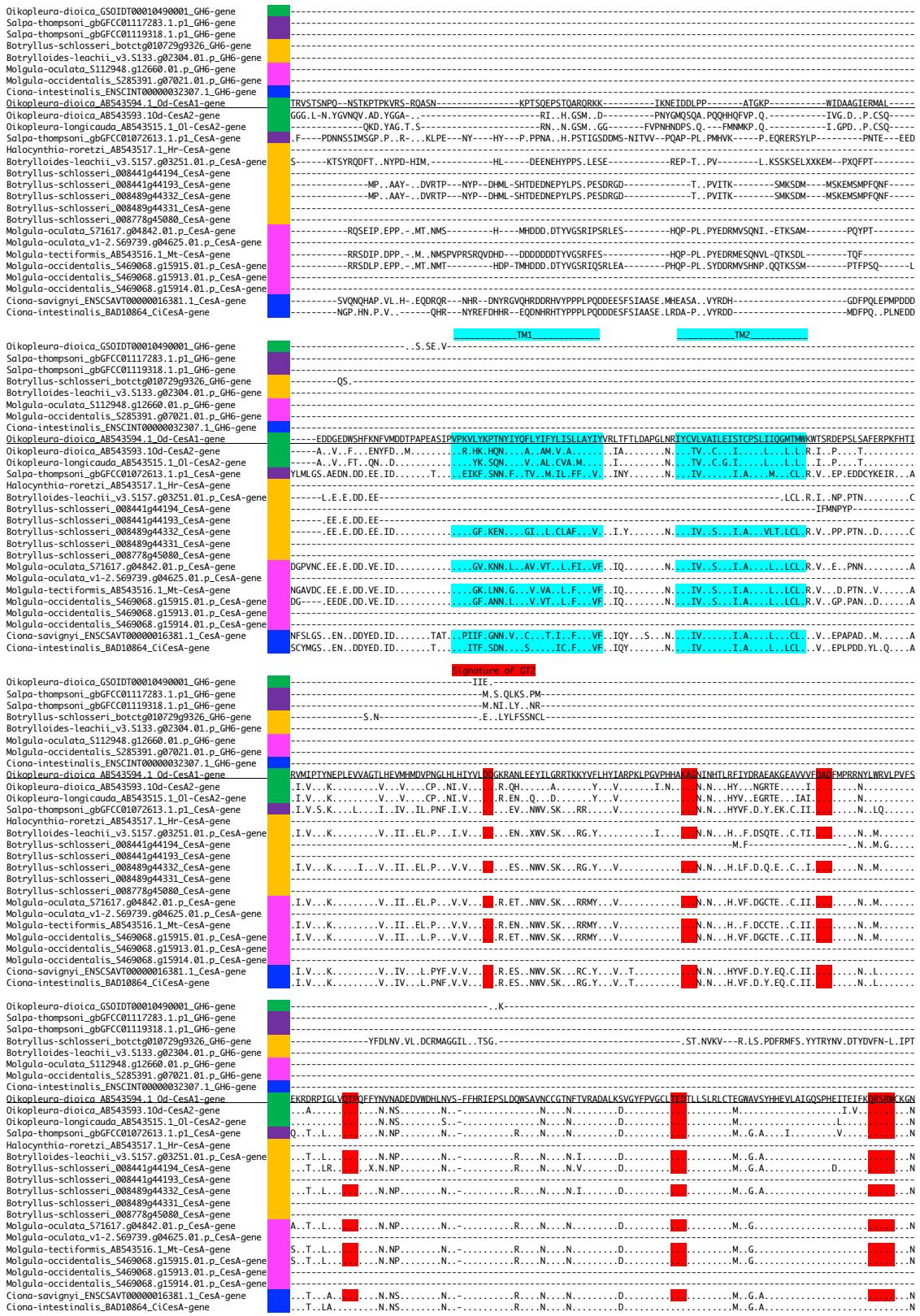


Fig. S1- 3

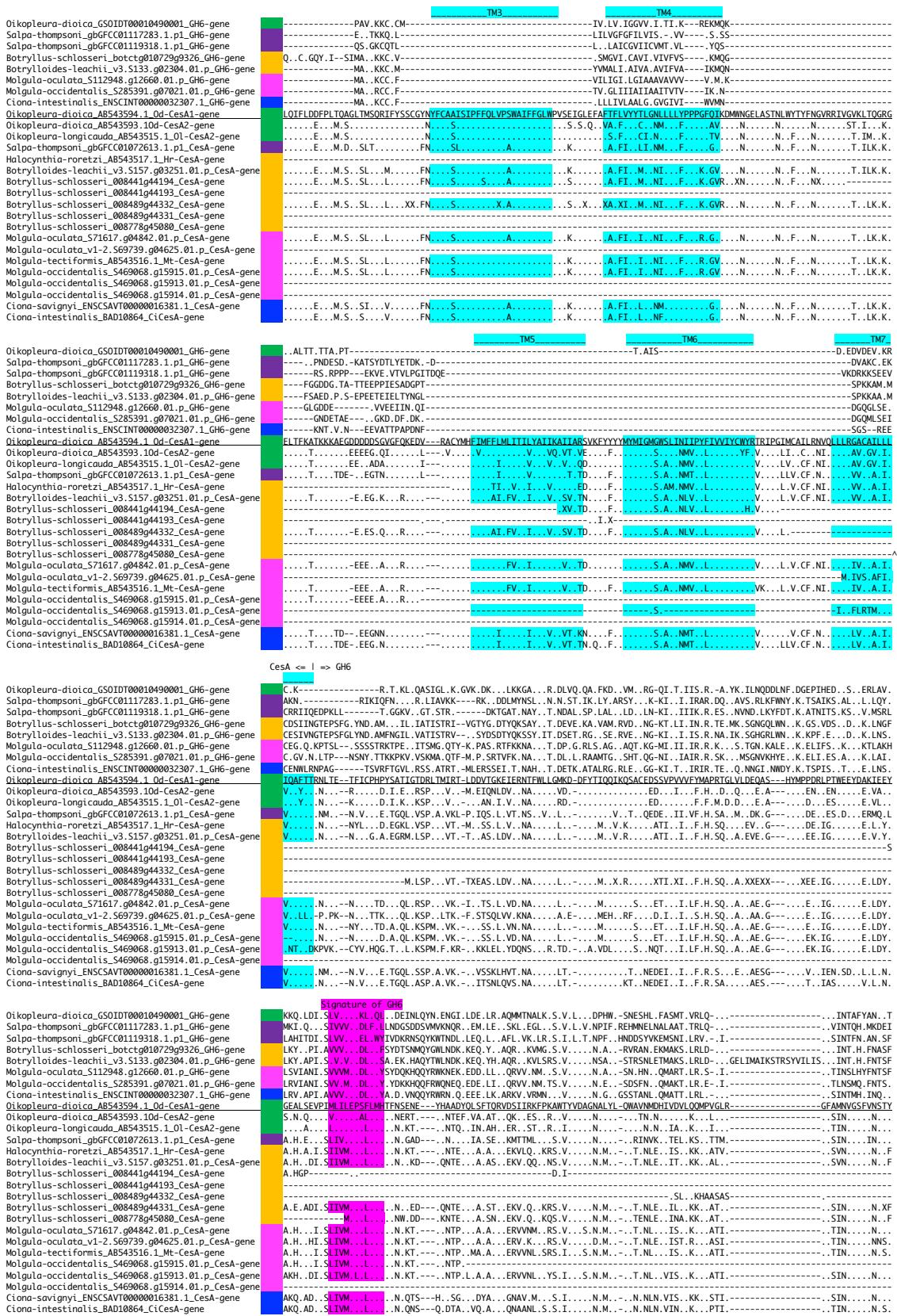


Fig. S1- 4

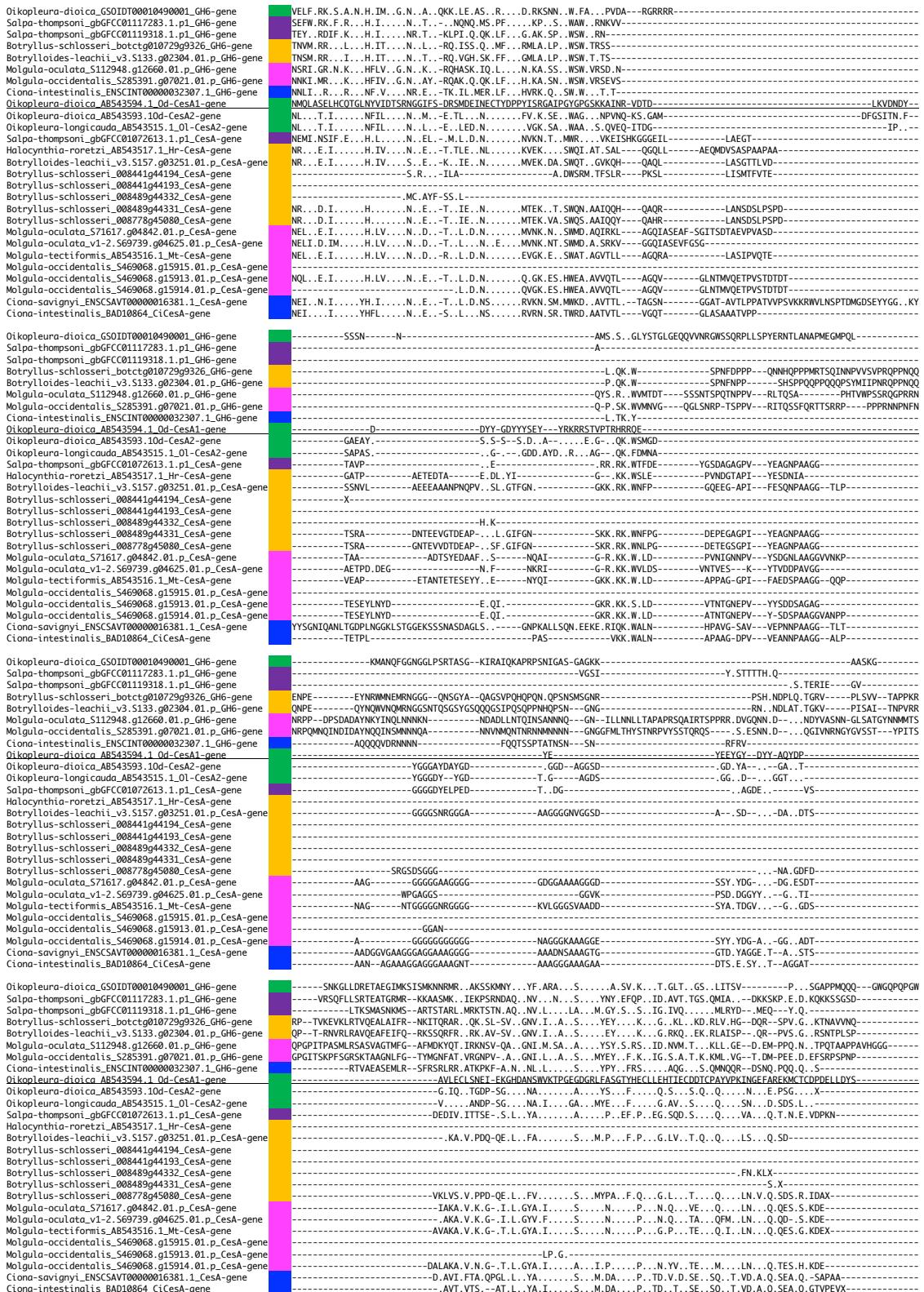


Fig. S1- 5

Oikopleura-dioica_GSOIDT000104900001_GH6-gene
 Salpa-thompsoni_gbFC01117283_1.p1_GH6-gene
 Salpa-thompsoni_gbFC01119318_1.p1_GH6-gene
 Botryllus-schlosseri_btctg10729g9326_GH6-gene
 Botrylloides-leachi_i_v3_S12034_01.p_GH6-gene
 Molgula-oculata_S112948_g12660_01.p_GH6-gene
 Molgula-occidentalis_S285391_g07021_01.p_GH6-gene
 Ciona-intestinalis_ENSCINT00000032307_1_GH6-gene
 Oikopleura-dioica_AB543594_1.Od-Cesa1-gene
 Oikopleura-dioica_AB543593_1Od-Cesa2-gene
 Salpa-thompsoni_gbFC01072613_1.p1_Cesa-gene
 Holocynthia-roretzii_AB543517_1.Hr-Cesa-gene
 Botrylloides-leachi_i_v3_S1157_g03251_01.p_Cesa-gene
 Botryllus-schlosseri_008441644193_Cesa-gene
 Botryllus-schlosseri_008441644193_Cesa-gene
 Botryllus-schlosseri_008441644193_Cesa-gene
 Botryllus-schlosseri_008441644193_Cesa-gene
 Molgula-oculata_S71617_g04842_01.p_Cesa-gene
 Molgula-oculata_V1-2_S69739_g04625_01.p_Cesa-gene
 Molgula-tectiformis_AB543516_1.Mt-Cesa-gene
 Molgula-occidentalis_S469068_g15915_01.p_Cesa-gene
 Molgula-occidentalis_S469068_g15915_01.p_Cesa-gene
 Molgula-occidentalis_S469068_g15914_01.p_Cesa-gene
 Ciona-savignyi_ENCSAVT00000016381_1.Cesa-gene
 Ciona-intestinalis_BAD10864_CiCesa-gene

Fig. S1- 6

CesA gene tree

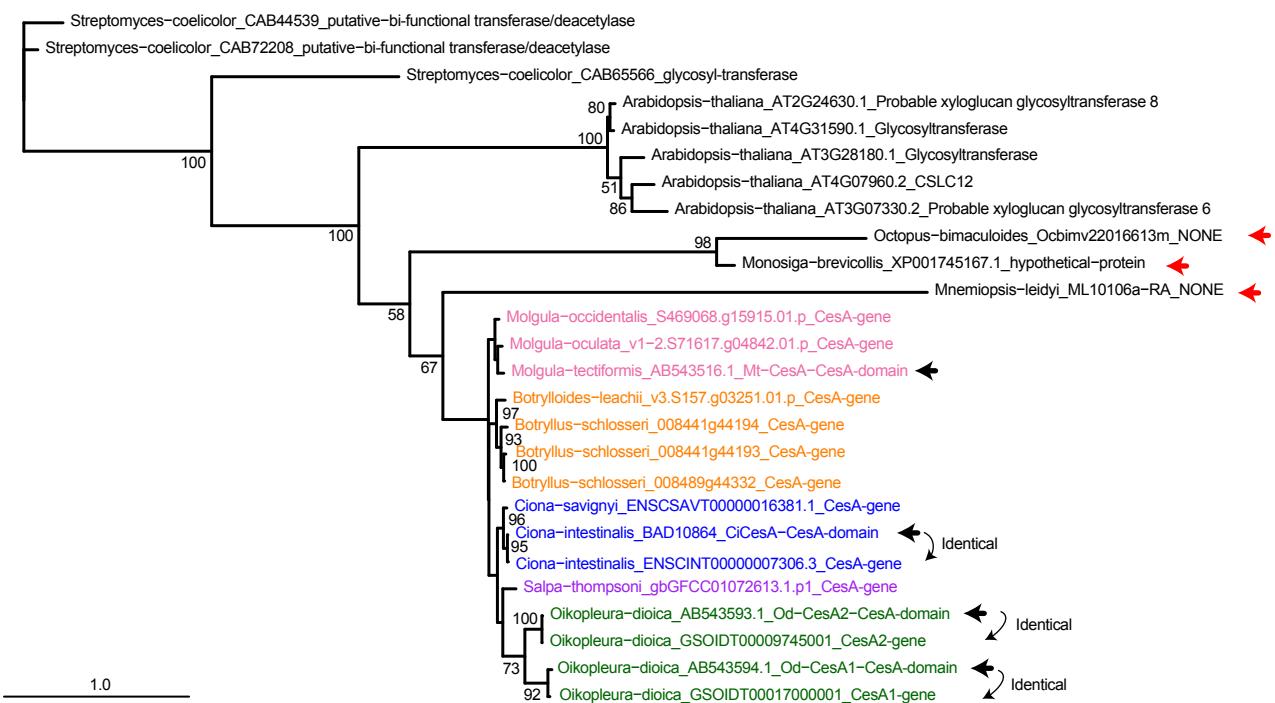


Fig. S2.

Phylogenetic position of the inconsistent *Monosiga brevicollis* sequence

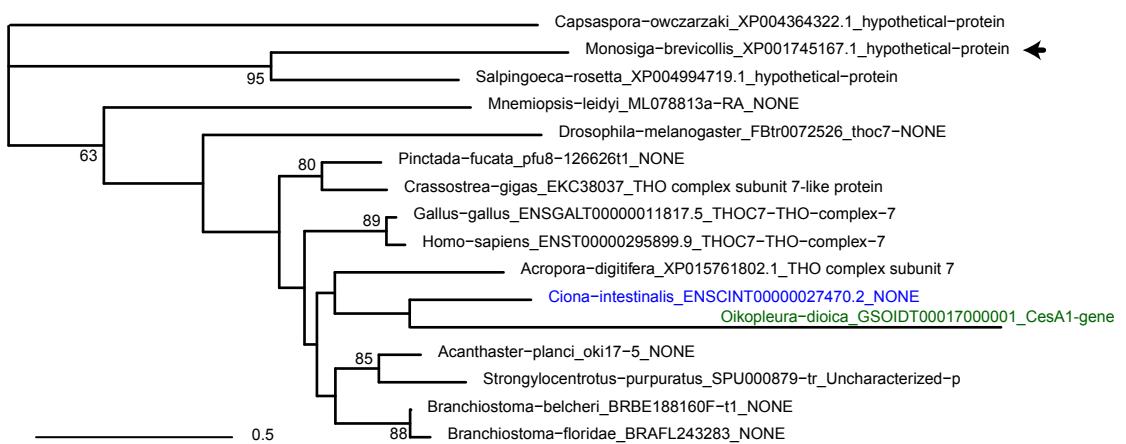


Fig. S3.