A phylogenetic tree with the following tip labels:

- Lcom_lcpid180766 | OG0 |
- Lcom_lcpid138705 | OG0 |
- Saldol_EP00054_Salpingoeca_dolichothecata_P036808 | OG1 |
- Salmac_EP00052_Salpingoeca_macrocollata_P008871 | OG1 |
- Salpun_EP00053_Salpingoeca_punica_P002154 | OG1 |
- Mylflu_EP00047_Mylnosiga_fluctuans_P002143 | OG1 |
- Codhol_EP00042_Codosiga_hollandica_P035662 | OG1 |
- Salurc_EP00051_Salpingoeca_urceolata_P027132 | OG1 |
- Salkve_EP00050_Salpingoeca_kvevrii_P016773 | OG1 |
- Lcom_lcpid209949 | OG1 |
- Didcos_EP00039_Didymoeca_costata_P018327 | OG1 |
- Diagra_EP00040_Diaphanoeca_grandis_P025737 | OG1 |
- Stedip_EP00041_Stephanoeca_diplocostata_P004828 | OG1 |
- Acaspe_EP00035_Acanthoeca_spectabilis_P020041 | OG1 |
- Helnan_EP00037_Helgoeca_nana_P009049 | OG1 |
- Lcom_lcpid157809 | OG1 |
- Mbre_EDQ88539 | OG1 |
- Chofle_EP00730_Choanoeca_flexa_P015881 | OG1 |
- Choper_EP00045_Choanoeca_perplexa_P022927 | OG1 |
- Salinf_EP00049_Salpingoeca_infusionum_P017816 | OG1 |
- Microa_EP00043_Microstomoeca_roanoka_P014332 | OG1 |
- Sros_EGD78690 | OG1 |
- Plajan_Pjan_C548199_01 | OG2 |
- Opea_EP00118_Oscarella_pearsei_P025136 | OG2 |
- Ocar_g9690 | OG2 |
- Clacor_Ccor_scaffold6097_01 | OG2 |
- Lcom_lcpid92639 | OG2 |
- Leuniv_Lniv_scaffold20172_01 | OG2 |
- Gracom_Gcom_scaffold16102_01 | OG2 |
- Lcom_lcpid239817 | OG2 |
- Xestes_snap_masked-XT_scaffold31461-processed-gene-0.1-mRNA-1 | OG2 |
- Aque_Aqu2.1.13160_001 | OG2 |
- Halamb_c47153_g1_i1m.21861 | OG2 |
- Emue_Em0009g1028a.t1 | OG2 |
- Spolac_c100886_g1_i1_m.23838c100886-g1 | OG2 |
- Tetwil_g6505.t2 | OG2 |
- Tetwil_g14261.t1 | OG2 |
- Stycar_snap_masked-SC_scaffold10400-processed-gene-0.2-mRNA-1 | OG2 |
- Chem_TCONS_00032998 | OG3 |
- Sanmal_Sma_013898-T1 | OG3 |
- Nemnom_g3575.t1 | OG3 |
- Rhoesc_Res_009464-T1 | OG3 |
- Dgig_XM_028551142.1 | OG3 |
- Xesp_003040-T1 | OG3 |
- Exapal_XM_021047468.1 | OG3 |
- Nvec_NVE21460 | OG3 |
- Nvec_v1g148426 | OG3 |
- Amil_Amillepora16374-RA | OG3 |
- Gfas_gfas1.m1.2797.m1 | OG3 |
- Gasp_gasp1.m3.1494.m1 | OG3 |
- Fspp_ffun1.m4.15350.m1 | OG3 |
- Spis_XP_022803762_1 | OG3 |
- Pocdam_XM_027192316.1 | OG3 |
- Bralan_BLAG02000161_1 | OG3 |
- Hsap_ENST00000044462 | OG3 |
- Skow_XM_002735291.2 | OG3 |
- Lcom_lcpid178104 | OG3 |
- Cscu_XM_023362842.1 | OG3 |
- Tcas_TC008727_001 | OG3 |
- Dpul_mRNA6222 | OG3 |
- Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA152113 | OG3 |
- Spur_XM_030976648.1 | OG3 |
- Cgig_XM_011421171.3 | OG3 |
- Acagra_model.g9762.t1 | OG3 |
- Lcom_lcpid182556 | OG3 |
- Acagra_model.g9762.t1.1.5d3b8636 | OG3 |
- Acagra_model.g9762.t1.2.5d3b8636 | OG3 |
- TrH2_TrispH2_009257-RA | OG4 |
- Tadh_TriadT50866 | OG4 |
- HoiH23_PlH23_006004-RA | OG4 |
- Hhon_g10937.t1 | OG4 |
- HoiH11_mRNA4570 | OG4 |
- HoiH04_mRNA5723 | OG4 |
- HoiH06_mRNA198 | OG4 |
- Lcom_lcpid159560 | OG4 |
- Coeast_Cast_sb783637 | OG4 |
- Coemet_Cmet_scaffold15487_01 | OG4 |
- Vmul_sbMO449889 | OG4 |
- Vmul_Simscaffold14992_01 | OG4 |
- Lampan_Lpan_11089_01 | OG4 |
- Eupdun_Edun_sb10624675 | OG4 |
- Eupdun_Edun_sb10624676 | OG4 |
- Mertsp_Mesp_sb572986 | OG4 |
- Bolinf_Binf_sb1243326 | OG4 |
- Mertsp_Mesp_sb572987 | OG4 |
- Drygla_Dgla_sb297919 | OG4 |
- Horcal_Hcv1.av93.c11.g962.i1 | OG4 |
- Pbac_sb2638221 | OG4 |
- Mlei_ML0473.g4.i1 | OG4 |
- Vmul_sbMO425857 | OG4 |
- Bolinf_Binf_sb1171220 | OG4 |
- Mertsp_Mesp_sb611805 | OG4 |
- Beraby_Baby_sb324289 | OG4 |
- Mertsp_Mesp_sb568024 | OG4 |
- Bolinf_Binf_sb1247747 | OG4 |
- Bolinf_Binf_sb1247749 | OG4 |
- Bolinf_Binf_sb1247748 | OG4 |
- Bolinf_Binf_sb1247746 | OG4 |

Scale bar: 0.416667