```
•Didcos_EP00039_Didymoeca_costata_P007262 | OG0 |
                            •Codhol_EP00042_Codosiga_hollandica_P024723 | OG0 |
       82
                Saldol_EP00054_Salpingoeca_dolichothecata_P037149 | OG0 |
                            Diagra_EP00040_Diaphanoeca_grandis_P028644 | OG0 |
100
                 100
                          Lcom | lcpid188379 | OG0 |
                    Stedip EP00041_Stephanoeca_diplocostata_P009095 | OG0 |
          99
                              •Acaspe_EP00035_Acanthoeca_spectabilis_P021474 | OG0 |
                              •Helnan_EP00037_Helgoeca_nana_P032111 | OG0 |
                •Mylflu EP00047 Mylnosiga fluctuans P001486 | OG0 |
             Salmac EP00052 Salpingoeca macrocollata P000061 | OG0 |
      97
                  Salpun_EP00053_Salpingoeca_punica_P006842 | OG0 |
        88
                      -Salkve_EP00050_Salpingoeca_kvevrii_P014811 | OG0 |
                      •Lcom_lcpid144677 | OG0 |
          88
                              •Salurc_EP00051_Salpingoeca_urceolata_P003520 | OG0 |
                         <sup>100</sup> Salurc EP00051_Salpingoeca_urceolata_P003523 | OG0 |
            68
                      Lcom | lcpid165001 | OG0 |
                                  -Salinf_EP00049_Salpingoeca_infusionum_P023095 | OG0 |
               99
                          100<sup>1</sup>-Salinf_EP00049_Salpingoeca_infusionum_P023096 | OG0 |
                         Mbre_EDQ90387 | OG0 |
                 93
                             •Choper_EP00045_Choanoeca_perplexa_P006987 | OG0 |
                   100
                             rChofle_EP00730_Choanoeca_flexa_P002590 | OG0 |
                               •Chofle_EP00730_Choanoeca_flexa_P002589 | OG0 |
              •Hsap_ENST00000301068 | OG2 |
           -Hsap_ENST00000262187 | OG1 |
                 •Spur_XM_792104.5 | OG1 |
                          •Lampan_Lpan_C405065_01 | OG1 |
         15
100
                                   •Hvul_g8460_1 | OG1 |
                       22
                                    -Horcal_Hcv1.av93.c2.g29.i1 | OG1 |
                                   •Mlei_ML0076.g5.i1 | OG1 |
     95
                                 -Coemet_Cmet_scaffold21195_01 | OG1 |
                              <sup>100</sup><sup>_</sup>-Vmul_Simscaffold16068_01 | OG1 |
               •Skow XM 006811901.1 | OG1 |
                     •Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA94885 | OG1 |
                      •Acagra_model.g6420.t1 | OG1 |
               98
                        •Cgig XM 011424572.3 | OG1 |
       88
                     Cscu XM 023354484.1 | OG1 |
                         •Dpul_mRNA18286 | OG1 |
                           •Tcas TC014205 001 | OG1 |
                               •Tcas_TC014613_001 | OG1 |
                          TrH2 TrispH2 002273-RA | OG1 |
                        <sup>77</sup>Tadh TriadT53571 | OG1 |
                           -HoiH11_mRNA5475 | OG1 |
                     100
                              -HoiH23_PIH23_001015-RA | OG1 |
                               •Hhon_g08507.t1 | OG1 |
                             <sup>100</sup><sup>1</sup>—•HoiH04_mRNA2952 | OG1 |
             66
                           Spolac_c96322_g1_i1_m.12915c96322-g1 | OG1 |
                         <sup>100</sup>lSpolac_c96322_g1_i2_m.12916c96322-g1 | OG1 |
                           Emue_Em0007g1462a.t1 | OG1 |
                         96
                        •Tetwil g23757.t1 | OG1 |
                       -Stycar_maker-SC_scaffold137762-augustus-gene-0.16-mRNA-1 | OG1 |
                        -Xestes_augustus_masked-XT_scaffold22802-processed-gene-0.4-mRNA-1 | OG1 |
                          --Aque_Aqu2.1.36437_001 | OG1 |
                       <sup>100</sup>1-Halamb_c36993_g1_i1m.9662 | OG1 |
                         •Plajan_Pjan_C538794_01 | OG1 |
                          100 Ocar_g8045 | OG1 |
               35
                       Clacor_Ccor_scaffold9933_01 | OG1 |
                          •Leuniv_Lniv_scaffold12648_01 | OG1 |
                            Lcom | lcpid126140 | OG1 |
                             Gracom Gcom scaffold16875 01 | OG1 |
                      Bralan_BLAG01000937_1 | OG1 |
                             -Chem TCONS 00065258 | OG1 |
                            •Hvul_g8461_1 | OG1 |
                         •Morvir scaffold140.g48.t1 | OG1 |
                             •Sanmal Sma 005314-T1 | OG1 |
                             -Rhoesc Res 005597-T1 | OG1 |
                        100
                              -Nemnom_g16777.t1 | OG1 |
                 38
                             •Dgig XM 028536286.1 | OG1 |
                      100<sup>1</sup>-Xesp_009787-T1 | OG1 |
                         -Exapal XM 021061764.2 | OG1 |
                   90
                       <sup>[991</sup>-Nvec_v1g236736 | OG1 |
                             <sub>_</sub>Spis_XP_022782693_1 | OG1 |
                          <sup>100</sup>Pocdam XM 027188598.1 | OG1 |
                                -Gasp_gasp1.m3.5718.m1 | OG1 |
                             <sup>991</sup>-Fspp ffun1.m4.20445.m1 | OG1 |
                                •Gfas_gfas1.m1.9452.m1 | OG1 |
                                  JAmil_Amillepora12842-RA | OG1 |
                               <sup>1001</sup>Adig XM 015924349.1 | OG1 |
```