```
Didcos_EP00039_Didymoeca_costata_P019764 | OG0 |
                   Diagra EP00040 Diaphanoeca grandis P035745 | OG0 |
     100
                  Stedip_EP00041_Stephanoeca_diplocostata_P019361 | OG0 |
                   •Acaspe_EP00035_Acanthoeca_spectabilis_P024556 | OG0 |
                     Helnan_EP00037_Helgoeca_nana_P012606 | OG0 |
                     Salpun EP00053 Salpingoeca punica P007131 | OG0 |
       100
                   Salmac_EP00052_Salpingoeca_macrocollata_P009908 | OG0 |
                   •Codhol_EP00042_Codosiga_hollandica_P020992 | OG0 |
                 Codhol_EP00042_Codosiga_hollandica_P020991 | OG0 |
   79
       76
                 -Mylflu EP00047_Mylnosiga_fluctuans_P003373 | OG0 |
         90
                  Saldol_EP00054_Salpingoeca_dolichothecata_P031719 | OG0 |
     73
                      •Lcom_lcpid85171 | OG0 |
       88
                     Lcom_lcpid200776 | OG0 |
                         Salkve_EP00050_Salpingoeca_kvevrii_P000134 | OG0 |
         91
             63
                       Salurc EP00051 Salpingoeca urceolata P018125 | OG0 |
                      Salmac EP00052 Salpingoeca macrocollata P009910 | OG0 |
                        •Salurc_EP00051_Salpingoeca_urceolata_P018126 | OG0 |
                          •Microa_EP00043_Microstomoeca_roanoka_P006183 | OG0 |
               88
                         ·Sros_EGD83311 | OG0 |
                             Salinf EP00049 Salpingoeca infusionum P017723 | OG0 |
                 89
                              Mbre EDQ90555 | OG0 |
                                •Chofle_EP00730_Choanoeca_flexa_P017227 | OG0 |
                               •Choper_EP00045_Choanoeca_perplexa_P009190 | OG0 |
              Lcom_lcpid155488 | OG1 |
               Beraby_Baby_sb336021 | OG1 |
                  Beraby Baby sb336022 | OG1 |
             100
                   Bolinf Binf sb1203464 | OG1 |
    100
                  <sup>99]</sup>Beraby_Baby_sb336023 | OG1 |
                   Vmul_Simscaffold2893_01 | OG1 |
         99
                    •Coemet_Cmet_scaffold9173_01 | OG1 |
                       Coeast Cast sb813918 | OG1 |
                    •Bolinf_Binf_sb1269714 | OG1 |
            99
                      Mlei ML3881.g24.i1 | OG1 |
                100
                   <sup>1001</sup>Vmul_sbMO447821 | OG1 |
                     Lampan Lpan 13417 01 | OG1 |
              76
                       Bolinf_Binf_sb1269713 | OG1 |
                         Bolinf Binf sb1269715 | OG1 |
                    100
                           Bolinf_Binf_sb1269716 | OG1 |
                84
                             Mertsp Mesp sb591423 | OG1 |
                           <sup>97</sup> Mertsp Mesp_sb591425 | OG1 |
                  85
                         <sub>f</sub>Horcal_Hcv1.av93.c11.g638.i1 | OG1 |
                      <sup>100</sup>Pbac sb2661053 | OG1 |
                               Eupdun_Edun_sb10647415 | OG1 |
                             441 Eupdun Edun sb10647418 | OG1 |
                    74
                               Eupdun Edun sb10647416 | OG1 |
                             <sup>78</sup> Eupdun Edun sb10647420 | OG1 |
                       100
                              Eupdun_Edun_sb10647417 | OG1 |
                            <sup>67</sup> Eupdun_Edun_sb10647421 | OG1 |
                              Eupdun Edun sb10647419 | OG1 |
                            <sup>54</sup> Eupdun_Edun_sb10647422 | OG1 |
              •Xestes_maker-XT_scaffold178577-augustus-gene-0.24-mRNA-1 | OG2 |
                 •Aque_Aqu2.1.25578_001 | OG2 |
            Stycar maker-SC scaffold50143-augustus-gene-0.3-mRNA-1 | OG2 |
     99
            •Emue Em0005g1268a.t1 | OG2 |
       95
                   •Spolac_c87990_g1_i1_m.4654c87990-g1 | OG2 |
                  •Tetwil_g17605.t1 | OG2 |
                  •Stycar_maker-SC_scaffold144103-snap-gene-0.61-mRNA-1 | OG2 |
                  -Stycar maker-SC scaffold48653-augustus-gene-0.5-mRNA-1 | OG2 |
                    •Lcom | lcpid246822 | OG2 |
                  lajan_Pjan_scaffold16167_01 | OG2 |
                   •Ocar_g2235 | OG2 |
   52
           99
                <sup>1001</sup>Opea_EP00118_Oscarella_pearsei_P028686 | OG2 |
       51
                 Leuniv Lniv C807798 01 | OG2 |
                   Gracom_Gcom_scaffold4531_01 | OG2 |
                      •Lcom | lcpid86543 | OG2 |
                     •Scil_scict022483.1 | OG2 |
                 •Skow XM 006817784.1 | OG2 |
                      •Cscu XM 023359469.1 | OG2 |
                     •Tcas TC004723 001 | OG2 |
     48
                       •Dpul_mRNA21865 | OG2 |
                       -Acagra model.g19224.t1 | OG2 |
               83
                          •Hsap ENST00000404371 | OG2 |
                       •Clacor_Ccor_scaffold15259_01 | OG2 |
                        Clacor_Ccor_C511611_01 | OG2 |
                         Lcom_lcpid221697 | OG2 |
                         Cgig_XM_011447898.3 | OG2 |
       60
                                 -Lcom lcpid158724 | OG2 |
                        <sub>[</sub>TrH2_TrispH2_010968-RA | OG2 |
                     <sup>1001</sup>•Tadh_TriadT50999 | OG2 |
                        •HoiH11_mRNA4156 | OG2 |
                             •HoiH06_mRNA6987 | OG2 |
                            HoiH23 PIH23 006492-RA | OG2 |
                            Hhon g06625.t1 | OG2 |
                         <sup>100</sup> HoiH04_mRNA5000 | OG2 |
         69
                     •Morvir_scaffold36.g80.t1 | OG2 |
                      •Sanmal Sma 016731-T1 | OG2 |
                      Nemnom g11355.t1 | OG2 |
                   <sup>100</sup><sup>1</sup>-Rhoesc_Res_012771-T1 | OG2 |
                    Spur_XM_030974426.1 | OG2 |
           73
                           •Hvul_g32982_1 | OG2 |
                         Chem_TCONS_00000140 | OG2 |
                             Drygla Dgla sb305916 | OG2 |
                                Drygla_Dgla_sb305917 | OG2 |
                              <sup>100</sup> Drygla_Dgla_sb305918 | OG2 |
                           Bralan_BLAG16000034_1 | OG2 |
               57
                           •Dgig XM 028550222.1 | OG2 |
                           •Xesp 002515-T1 | OG2 |
                            Exapal_XM_021039855.2 | OG2 |
                           Nvec_v1g117546 | OG2 |
                              Gfas_gfas1.m1.641.m1 | OG2 |
                   100
                               Amil Amillepora20360-RA | OG2 |
                             <sup>1001</sup>-Adig XM _015901925.1 | OG2 |
                       100
                               Spis_XP_022802943_1 | OG2 |
                               Pocdam_XM_027185400.1 | OG2 |
                                Fspp_ffun1.m4.2661.m1 | OG2 |
                                •Gasp gasp1.m3.11272.m1 | OG2 |
0.416667
```