```
•Plajan Pjan C552371 01 | OG0 |
             Opea_EP00118_Oscarella_pearsei_P017483 | OG0 |
     100
               Ocar g8003 | OG0 |
                 Opea_EP00118_Oscarella_pearsei_P017481 | OG0 |
                    Ocar g7519 | OG0 |
   78
            ·Clacor Ccor scaffold4843 01 | OG0 |
                -Lcom_lcpid115608 | OG0 |
      100
             <sup>961</sup>-Leuniv_Lniv_scaffold22492_01 | OG0 |
          100
                 -Scil_scict020251.1 | OG0 |
                  •Gracom_Gcom_C547250_01 | OG0 |
              TrH2 TrispH2 009773-RA | OG0 |
           <sup>100</sup>Tadh TriadT32131 | OG0 |
 35
              •HoiH11_mRNA7961 | OG0 |
         100
                   <sub>°</sub>HoiH23_PIH23_010468-RA | OG0 |
                 <sup>99]</sup>-HoiH06 mRNA9701 | OG0 |
                    HoiH04 mRNA11625 | OG0 |
              100
                     <sub>f</sub>Hhon_g07248.t1 | OG0 |
                    <sup>11</sup>HoiH04_mRNA1304 | OG0 |
                 53
                                      •Hvul_g27943_1 | OG0 |
                   •Morvir scaffold66.g63.t1 | OG0 |
       90
                                      •Hvul_g27948_1 | OG0 |
                   Sanmal_Sma_026635-T1 | OG0 |
                        •Nemnom_g18433.t1 | OG0 |
                     •Rhoesc Res 001190-T1 | OG0 |
              •Dgig XM 028540141.1 | OG0 |
          100 -Xesp 012481-T1 | OG0 |
               •Exapal_XM_021059483.2 | OG0 |
                •Nvec v1g174745 | OG0 |
                  <sub>-</sub>-Gasp_gasp1.m3.1979.m1 | OG0 |
         99
               <sup>100</sup><sup>1</sup> -Fspp_ffun1.m4.13174.m1 | OG0 |
                    •Spis_XP_022792835_1 | OG0 |
            100
                 <sup>100</sup><sup>1</sup>•Pocdam_XM_027188625.1 | OG0 |
                     •Gfas_gfas1.m1.13794.m1 | OG0 |
                       Amil Amillepora16251-RA | OG0 |
                           -Adig XM 015892652.1 | OG0 |
                   •Hvul_g27945_1 | OG1 |
            Ctel gnl WGS AMQN CAPTEDRAFT mRNA226902 | OG1 |
                 •Acagra_model.g18238.t1 | OG1 |
   21
                  •Cgig XM 011436292.3 | OG1 |
                  Skow XM 006820354.1 | OG1 |
     52
                      Spur_XM_780577.5 | OG1 |
                  •Bralan_BLAG04001290_1 | OG1 |
                     -Hsap_ENST00000263354 | OG1 |
                     -Hsap ENST00000617876 | OG1 |
                Cscu XM 023381889.1 | OG1 |
             <sup>100</sup> Cscu_XM_023381898.1 | OG1 |
                  Cscu_XM_023367976.1 | OG1 |
          98
                     •Tcas_TC013571_001 | OG1 |
                                    -Tcas_TC004109_001 | OG1 |
              100
                    Dpul mRNA24293 | OG1 |
                 <sup>1001</sup>Dpul_mRNA24373 | OG1 |
          •Lcom_lcpid186311 | OG1 |
                •Lcom_lcpid200100 | OG1 |
                   •Plespi_Pspi_C603814_01 | OG1 |
                        •Aque_Aqu2.1.29119_001 | OG1 |
                        Halamb_c38456_g1_i1m.10835 | OG1 |
         96
                     <sup>1001</sup>Halamb_c38456_g2_i1m.10836 | OG1 |
           100
                       •Tetwil_g5377.t1 | OG1 |
   49
                       •Stycar_maker-SC_scaffold38919-snap-gene-0.3-mRNA-1 | OG1 |
              100
                       Spolac c103698 g2 i1 m.35627c103698-g2 | OG1 |
                   <sup>100</sup>Ū-Emue_Em0019g168a.t1 | OG1 |
                      -updun_Edun_sb10634283 | OG1 |
                         •Coemet_Cmet_scaffold19814_01 | OG1 |
                          Vmul_SimC396966 | OG1 |
             100
     80
                        -Lampan_Lpan_13747_01 | OG1 |
                 99
                               Horcal_Hcv1.av93.c2.g1580.i1 | OG1 |
                            100 Pbac sb2661321 OG1 |
                              <sub>'</sub>Beraby_Baby_sb342159 | OG1 |
                   93
                           <sup>100</sup>Beraby_Baby_sb342158 | OG1 |
                               Drygla_Dgla_sb289099 | OG1 |
                     94
                             <sup>741</sup>Drygla Dgla sb289100 | OG1 |
                               Drygla Dgla sb289101 | OG1 |
       90
                             99 Drygla_Dgla_sb289102 | OG1 |
                        40
                               -Bolinf_Binf_sb1248139 | OG1 |
                            <sup>100</sup> Mertsp_Mesp_sb585501 | OG1 |
                                •Mlei_ML0125.g18.i1 | OG1 |
                                  Bolinf Binf sb1256916 | OG1 |
                               <sup>100</sup> Bolinf_Binf_sb1256917 | OG1 |
                                 •Lcom_lcpid118860 | OG1 |
                               •Saldol_EP00054_Salpingoeca_dolichothecata_P008459 | OG1 |
          76
                              Codhol EP00042 Codosiga hollandica P009798 | OG1 |
                              •Codhol_EP00042_Codosiga_hollandica_P044653 | OG1 |
             100
                                -Mylflu_EP00047_Mylnosiga_fluctuans_P001679                                  | OG1 |
                                 Salurc_EP00051_Salpingoeca_urceolata_P032398 | OG1 |
                81
                                     •Lcom_lcpid242872 | OG1 |
                         92
                                   Salkve EP00050 Salpingoeca kvevrii P013225 | OG1 |
                                  Salmac_EP00052_Salpingoeca_macrocollata_P030566 | OG1 |
                  61
                        100
                                  -Salpun_EP00053_Salpingoeca_punica_P005118 | OG1 |
                                         Acaspe_EP00035_Acanthoeca_spectabilis_P020200 | OG1 |
                                         •Helnan_EP00037_Helgoeca_nana_P032088 | OG1 |
                    86
                                        Stedip EP00041 Stephanoeca diplocostata P010637 | OG1 |
                               100
                                             Diagra_EP00040_Diaphanoeca_grandis_P031899 | OG1 |
                                  98
                                             Didcos EP00039 Didymoeca costata P015382 | OG1 |
                       64
                                     •Lcom_lcpid163505 | OG1 |
                                            Salinf_EP00049_Salpingoeca_infusionum_P023382 | OG1 |
                         89
                                           Microa EP00043 Microstomoeca roanoka P018016 | OG1 |
                           100
                                           •Sros EGD73083 | OG1 |
                                        •Mbre EDQ92465 | OG1 |
                              81
                                        Choper_EP00045_Choanoeca_perplexa_P005863 | OG1 |
                                 98
                                            •Chofle_EP00730_Choanoeca_flexa_P007804 | OG1 |
                                      <sup>100</sup> Chofle EP00730 Choanoeca_flexa_P007805 | OG1 |
0.41666<sup>7</sup>
```