```
-Mylflu_EP00047_Mylnosiga_fluctuans_P012985 | OG0 |
           -Salurc_EP00051_Salpingoeca_urceolata_P004837 | OG0 |
                       Salpun_EP00053_Salpingoeca_punica_P006443 | OG0 |
     83
               Salmac EP00052 Salpingoeca macrocollata P008756 | OG0 |
           <sup>100</sup>Salmac_EP00052_Salpingoeca_macrocollata_P008757 | OG0 |
               Didcos EP00039 Didymoeca costata P004333 | OG0 |
                Diagra_EP00040_Diaphanoeca_grandis_P021909 | OG0 |
     100
                   -Stedip_EP00041_Stephanoeca_diplocostata_P012101 | OG0 |
                  Acaspe_EP00035_Acanthoeca_spectabilis_P037541 | OG0 |
                  Helnan_EP00037_Helgoeca_nana_P001693 | OG0 |
   79
                 Lcom lcpid243076 | OG0 |
                    -Microa_EP00043_Microstomoeca_roanoka_P004137 | OG0 |
             100
                    Sros_EGD81706 | OG0 |
                         Salinf EP00049 Salpingoeca infusionum P006396 | OG0 |
                                      -Mbre_EDQ91010 | OG0 |
                              Chofle EP00730 Choanoeca flexa P006821 | OG0 |
                              •Choper EP00045 Choanoeca perplexa P023135 | OG0 |
         Saldol_EP00054_Salpingoeca_dolichothecata_P027225 | OG1 |
            Codhol_EP00042_Codosiga_hollandica_P028162 | OG1 |
              Opea EP00118_Oscarella_pearsei_P027101 | OG1 |
                   Stycar maker-SC scaffold745-snap-gene-0.26-mRNA-1 | OG1 |
                     •Vmul_sbMO447640 | OG1 |
                      Horcal_Hcv1.av93.c8.g845.i1 | OG1 |
   86
                        Pbac_sb2639852 | OG1 |
               100
                      <sup>49]</sup>•Pbac_sb2638045 | OG1 |
                         Lampan_Lpan_C418151_01 | OG1 |
                           •Eupdun Edun sb10646301 | OG1 |
                         Beraby_Baby_sb329198 | OG1 |
     89
                             Drygla_Dgla_sb293297 | OG1 |
                            Bolinf_Binf_sb1259712 | OG1 |
                              *Vmul sbMO443708 | OG1 |
                            <sup>991</sup>Mlei_ML0073.g34.i1 | OG1 |
                       Spolac_c94207_g2_i1_m.9765c94207-g2 | OG1 |
                        •Plespi_Pspi_scaffold20717_01 | OG1 |
                        Opea_EP00118_Oscarella_pearsei_P027255 | OG1 |
                        -Xestes_snap_masked-XT_scaffold4428-processed-gene-0.27-mRNA-1 | OG1 |
                          •Halamb_c33489_g1_i2m.7681 | OG1 |
                          •Aque_Aqu2.1.42254_001 | OG1 |
           36
                      TrH2 TrispH2 005165-RA | OG1 |
                   <sup>[100]</sup>Tadh TriadT49686 | OG1 |
                        <sub>f</sub>Hhon_g06199.t1 | OG1 |
                     <sup>100</sup> HoiH04_mRNA16372 | OG1 |
                       -HoiH11_mRNA130 | OG1 |
                   98
                          <sub>e</sub>HoiH23_PIH23_001213-RA | OG1 |
                       <sup>100</sup> HoiH06_mRNA5789 | OG1 |
                       Bralan_BLAG14000013_1 | OG1 |
         64
                      Skow_XM_006820767.1 | OG1 |
                       Spur_XM_030981979.1 | OG1 |
                                      •Lcom_lcpid25192 | OG1 |
                                   Leuniv Lniv scaffold24073 01 | OG1 |
                       •Hsap ENST00000309931 | OG1 |
                       Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA149938 | OG1 |
                        •Acagra_model.g17402.t1 | OG1 |
                         Cgig_XM_011424444.3 | OG1 |
                                                 Cscu XM 023355067.1 | OG1 |
           36
                         Chem_TCONS_00002233 | OG1 |
                  100
                          •Hvul_g28032_1 | OG1 |
                       Morvir_scaffold37.g49.t1 | OG1 |
                100
                         Sanmal_Sma_015629-T1 | OG1 |
                           •Nemnom_g5792.t1 | OG1 |
                              Rhoesc Res 007656-T1 | OG1 |
                           <sup>1001</sup>•Aaur_scaffold2324.g1.t1 | OG1 |
                      Dgig_XM_028549795.1 | OG1 |
                  <sup>100</sup><sup>1</sup>⊸Xesp_014097-T1 | OG1 |
                       Exapal XM 028659939.1 | OG1 |
                           Spis_XP_022796159_1 | OG1 |
                        100 Pocdam XM 027203034.1 OG1
                     100
                                 •Amil Amillepora32819-RA | OG1 |
                        <sup>100</sup> Adig_XM_015903719.1 | OG1 |
0.416667
```