```
-Codhol_EP00042_Codosiga_hollandica_P033787 | OG0 |
                  •Codhol EP00042 Codosiga hollandica P033786 | OG0 |
          100
                     ·Codhol_EP00042_Codosiga_hollandica_P033792 | OG0 |
             100
                      •Codhol_EP00042_Codosiga_hollandica_P033790 | OG0 |
 40
                  •Didcos EP00039 Didymoeca costata P019824 | OG0 |
                    Diagra_EP00040_Diaphanoeca_grandis_P003261 | OG0 |
      100
                        •Acaspe_EP00035_Acanthoeca_spectabilis_P020552 | OG0 |
          99
                       •Helnan EP00037 Helgoeca nana P008320 | OG0 |
                                -Stedip_EP00041_Stephanoeca_diplocostata_P008200 | OG0 |
            100
                           Stedip EP00041 Stephanoeca diplocostata P008202 | OG0 |
                       Stedip EP00041 Stephanoeca diplocostata P008201 | OG0
                    <sup>941</sup>Stedip EP00041_Stephanoeca_diplocostata_P008203 | OG0 |
             Salurc_EP00051_Salpingoeca_urceolata_P010204 | OG0 |
     90
                   •Mylflu EP00047_Mylnosiga_fluctuans_P005868 | OG0 |
             Salkve EP00050 Salpingoeca kvevrii P002995 | OG0 |
                Salkve EP00050 Salpingoeca kvevrii P002996 | OG0 |
                  Salmac EP00052 Salpingoeca macrocollata P008637 | OG0 |
      96
            Salpun EP00053 Salpingoeca punica P004721 | OG0 |
                        Saldol_EP00054_Salpingoeca_dolichothecata_P004255 | OG0 |
                    -Saldol EP00054 Salpingoeca dolichothecata P004256 | OG0 |
                                  •Mbre EDQ89188 | OG0 |
       45
                         Chofle_EP00730_Choanoeca_flexa_P014300 | OG0 |
                   100
                         ·Choper_EP00045_Choanoeca_perplexa_P017586 | OG0 |
          86
                      34
                               •Microa EP00043 Microstomoeca roanoka P004652 | OG0 |
                      Microa EP00043 Microstomoeca roanoka P004651 | OG0 |
                        •Sros EGD82640 | OG0 |
                             Opea_EP00118_Oscarella_pearsei_P003426 | OG0 |
                          1001-Opea EP00118 Oscarella pearsei P003427 | OG0 |
                   Gracom Gcom C540258 01 | OG0 |
         68
     38
                      •Lcom | lcpid41372 | OG0 |
              100
                     Scil scict016583.1 | OG0 |
                        Xestes maker-XT scaffold5932-snap-gene-0.137-mRNA-1 | OG0 |
                         •Aque_Aqu2.1.34828_001 | OG0 |
                100
                            -Halamb_c54407_g1_i2mm.5905 | OG0 |
                         <sup>100</sup> Halamb c53766_g4_i9mm.5429 | OG0 |
            100
                        •Tetwil g25702.t1 | OG0 |
                       Stycar augustus masked-SC scaffold12227-processed-gene-0.5-mRNA-1 | OG0 |
                        •Emue_Em0019g839a.t1 | OG0 |
                         <sub>s</sub>Spolac_c95216_g2_i1_m.11156c95216-g1 | OG0 |
                       <sup>981</sup>Spolac c95216 g1_i1_m.11155c95216-g1 | OG0 |
                              Horcal_Hcv1.av93.c7.g368.i1 | OG0 |
                           <sup>100</sup> Horcal_Hcv1.av93.c7.g368.i2 | OG0 |
                        100
                             Pbac_sb2653167 | OG0 |
                           <sup>99</sup> Pbac sb2648476 | OG0 |
                             Vmul Simscaffold10878 01 | OG0 |
                               Coeast Cast sb789196 | OG0 |
                         99
                                Coeast_Cast_sb789195 | OG0 |
                              671-Coeast_Cast_sb789197 | OG0 |
                   100
                             -Bolinf Binf sb1249332 | OG0 |
                                 •Mlei ML0860.g8.i1 | OG0 |
                               Drygla_Dgla_sb299126 | OG0 |
                               •Beraby_Baby_sb330535 | OG0 |
                      62
                                -Eupdun_Edun_sb10637346 | OG0 |
                             <sup>1001</sup>Eupdun Edun sb10637345 | OG0 |
                                 Lampan Lpan 1385 01 | OG0 |
                               Bolinf Binf sb1215069 | OG0 |
                             Spur_XM_788382.5 | OG0 |
                 88
                           -Skow_XM_002740480.2 | OG0 |
           52
                          •Bralan BLAG04000739 1 | OG0 |
                    98
                              •Hsap ENST00000238831 | OG0 |
               92
                                    XM 023355034.1 | OG0 |
                                  •Cgig_XM_011457488.3 | OG0 |
                 91
                         100
                                  •Acagra_model.g17918.t1 | OG0 |
                                   Ctel gnl WGS AMQN CAPTEDRAFT mRNA219875 | OG0 |
                                <sup>100</sup>-Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA215340 | OG0 |
                                   TrH2_TrispH2_003246-RA | OG0 |
                                <sup>100</sup> Tadh_TriadT26225 | OG0 |
                                     •HoiH11 mRNA6619 | OG0 |
                              100
                                       •HoiH23_PIH23_004457-RA | OG0 |
             62
                                       -HoiH06 mRNA13973 | OG0 |
                                        Hhon g04603.t1 | OG0 |
                                     <sup>100</sup> HoiH04_mRNA7768 | OG0 |
                                     •Hvul_g14300_1 | OG0 |
                              •Morvir scaffold66.g71.t1 | OG0 |
                                •Sanmal_Sma_026788-T1 | OG0 |
                    100
                                Aaur scaffold466.g18.t1 | OG0 |
                        100
                                 •Nemnom_g2424.t1 | OG0 |
                                      -Nemnom_g2423.t1 | OG0 |
                              100
                86
                                 <sup>1001</sup>-Rhoesc_Res_001777-T1 | OG0 |
                          •Dgig_XM_028543050.1 | OG0 |
                           •Xesp_012380-T2 | OG0 |
                             Exapal_XM_021043986.2 | OG0 |
                              •Nvec_v1g136802 | OG0 |
                                         •Nvec v1g219064 | OG0 |
                      99
                            •Fspp_ffun1.m4.31132.m1 | OG0 |
                              •Gasp_gasp1.m3.21139.m1 | OG0 |
                                   <sub>f</sub>Spis_XP_022800206_1 | OG0 |
                                <sup>100</sup> Pocdam XM 027192655.1 | OG0 |
                                   Gfas gfas1.m1.5153.m1 | OG0 |
                                     Amil_Amillepora15546-RA | OG0 |
                                        -Adig_XM_015912396.1 | OG0 |
                                     <sup>100</sup> Adig_XM_015922823.1 | OG0 |
0.416667
```