```
Ctel gnl WGS AMQN CAPTEDRAFT mRNA200161 | OG0 |
                                  TrH2 TrispH2 005185-RA | OG0 |
                                100 Tadh TriadT52067 | OG0 |
 59
                                        •HoiH23_PIH23_010010-RA | OG0 |
                          100
                                        •HoiH06 mRNA3391 | OG0 |
                                       -Hhon g06219.t1 | OG0 |
                                     <sup>100</sup> HoiH04_mRNA4982 | OG0 |
                   Pbac_sb2653586 | OG1 |
                     Pbac sb2661015 | OG1 |
                   <sup>95</sup> Horcal Hcv1.av93.c8.g130.i1 | OG1 |
                      Lampan Lpan 14923 01 | OG1 |
           100
                       Coemet Cmet_scaffold3922_01 | OG1 |
                100
                     <sup>100</sup> Coemet_Cmet_scaffold3923_01 | OG1 |
                         •Drygla_Dgla_sb296249 | OG1 |
              83
                        Beraby_Baby_sb340838 | OG1 |
                     <sup>100</sup>1-Beraby Baby sb340839 | OG1 |
                       Mlei ML0263.g6.i1 | OG1 |
                96
                    <sup>100</sup> -Vmul_sbMO481459 | OG1 |
                       Bolinf_Binf_sb1246673 | OG1 |
                         Mertsp_Mesp_sb568352 | OG1 |
                       72 Bolinf Binf sb1246674 | OG1 |
                               •Codhol_EP00042_Codosiga_hollandica_P051231 | OG1 |
                                 Didcos_EP00039_Didymoeca_costata_P018815 | OG1 |
                                      Diagra_EP00040_Diaphanoeca_grandis_P027945 | OG1 |
                   100
                                    •Stedip_EP00041_Stephanoeca_diplocostata P029918 | OG1 |
                       100
             100
                                       Acaspe EP00035 Acanthoeca spectabilis P021848 | OG1 |
                          100
                                       •Helnan_EP00037_Helgoeca_nana_P018011 | OG1 |
                                 Mbre EDQ86918 | OG1 |
                                 100
                82
                                 •Choper EP00045 Choanoeca perplexa P014387 | OG1 |
                                •Microa EP00043 Microstomoeca roanoka P009196 | OG1 |
                     100
                          100
                               Sros_EGD77652 | OG1 |
                        99
                                    <sub>|</sub>Salinf_EP00049_Salpingoeca_infusionum_P014023 | OG1 |
                                 1001Salinf_EP00049_Salpingoeca_infusionum_P014024 | OG1 |
                  92
                               Salurc_EP00051_Salpingoeca_urceolata P010111 | OG1 |
                                   •Lcom_lcpid197737 | OG1 |
                                    Saldol EP00054 Salpingoeca dolichothecata P010846 | OG1 |
                               Salmac_EP00052_Salpingoeca_macrocollata_P004334 | OG1 |
                                  Salpun_EP00053_Salpingoeca_punica P014880 | OG1 |
                       36
                                  -Mylflu_EP00047_Mylnosiga_fluctuans_P017863 | OG1 |
                                     •Mylflu_EP00047_Mylnosiga_fluctuans_P017862 | OG1 |
                       •Clacor_Ccor_scaffold15030_01 | OG1 |
      74
                        Lcom_lcpid53129 | OG1 |
              100
                     <sup>1001</sup>Lcom_lcpid50360 | OG1 |
                  100
                           Gracom_Gcom_C558040_01 | OG1 |
                            Leuniv_Lniv_scaffold24319_01 | OG1 |
                             •Scil_scict001429.2 | OG1 |
          80
                        •Plajan_Pjan_C564364_01 | OG1 |
                          rOpea_EP00118_Oscarella_pearsei_P028260 | OG1 |
               100
                       <sup>100</sup>Ū-Ocar_g5699 | OG1 |
                                    •Plespi_Pspi_scaffold625_01 | OG1 |
            83
                            Tetwil_g25615.t2 | OG1 |
                                 •Emue_Em0006g1422a.t1 | OG1 |
                 98
                     99
                            <sup>100</sup><sup>1</sup>-Spolac_c103558_g1_i1_m.34856c103558-g1 | OG1 |
                   40
                             •Xestes_maker-XT_scaffold1803-augustus-gene-0.4-mRNA-1 | OG1 |
                              •Aque_Aqu2.1.43945_001 | OG1 |
                              •Halamb_c48630_g1_i1m.24544 | OG1 |
                                Hsap ENST00000392185 | OG1 |
                                           -Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA201454 | OG1 |
        50
                               Hsap ENST00000308527 | OG1 |
                                  •Hsap_ENST00000343017 | OG1 |
             78
                                 _XM_002734386.2 | OG1 |
                 78
                               •Spur_XM_030992858.1 | OG1 |
                               •Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA156173 | OG1 |
                               Cgig_XM_020063557.2 | OG1 |
               48
                   88
                              -Acagra_model.g1974.t1.1.5d3b836c | OG1 |
                           <sup>100</sup>-Acagra_model.g1974.t1 | OG1 |
                 90
                              Bralan_BLAG02000459_1 | OG1 |
                     99
                                  •Bralan BLAG04001312_1 | OG1 |
                   79
                                Cscu XM 023369493.1 | OG1 |
                                   Dpul mRNA28677 | OG1 |
                      100
          65
                                        •Tcas_TC008241_001 | OG1 |
                             -Chem_TCONS_00064991 | OG1 |
                             <sub>-</sub>Hvul_g33112_1 | OG1 |
                     100
                          <sup>100</sup> -Hvul_g33113_1 | OG1 |
                99
                              •Morvir_scaffold169.g49.t2 | OG1 |
                           •Sanmal_Sma_022706-T1 | OG1 |
                              •Aaur_scaffold2.g30.t1 | OG1 |
                     100
                              Aaur scaffold2.g28.t1 | OG1 |
                       99
                            <sup>97</sup>-Aaur_scaffold2.g29.t1 | OG1 |
                               •Rhoesc Res 003794-T1 | OG1 |
                         58
            90
                                 Nemnom_g14023.t1 | OG1 |
                               <sup>100</sup> Nemnom_g2677.t1 | OG1 |
                           -Dgig_XM_028538400.1 | OG1 |
                    100
                           •Xesp_021707-T1 | OG1 |
                           Exapal_XM_021045989.2 | OG1 |
              91
                            •Nvec_v1g219233 | OG1 |
                    100
                         <sup>100</sup> -Nvec_v1g176880 | OG1 |
                           Amil_Amillepora09708-RA | OG1 |
                 100
                              •Adig_XM_015908667.1 | OG1 |
                            Gfas_gfas1.m1.3894.m1 | OG1 |
                             •Fspp_ffun1.m4.1334.m1 | OG1 |
                                Gasp_gasp1.m3.8396.m1 | OG1 |
                                 Fspp_ffun1.m4.31456.m1 | OG1 |
                                    -Spis_XP_022782929_1 | OG1 |
                                 <sup>100</sup><sup>1</sup>-Pocdam XM_027181030.1 | OG1 |
0.416667
```