```
•Tcas TC014368 001 | OG0 |
             100
                                    --Tcas_TC014369_001 | OG0 |
                  •Spur XM 030990939.1 | OG0 |
                Spur XM 030990031.1 | OG0 |
             100<sup>1</sup>-Spur XM_011664819.2 | OG0 |
 50
               •Plespi_Pspi_C605942_01 | OG0 |
                  •Spolac_c101815_g1_i2_m.26878c101815-g1 | OG0 |
                    -Emue Em0023g555a.t1 | OG0 |
   99
                      •Emue_Em0023g554a.t1 | OG0 |
                      •Tetwil g5369.t1 | OG0 |
       100
                      Stycar_augustus_masked-SC_scaffold78098-processed-gene-0.0-mRNA-1 | OG0 |
              100
                     Stycar_maker-SC_scaffold144799-snap-gene-0.52-mRNA-1 | OG0 |
                        •Aque Aqu2.1.39949 001 | OG0 |
         69
                         •Halamb_c6622_g1_i1m.1042 | OG0 |
                         •Aque_Aqu2.1.39950_001 | OG0 |
            94
                          -Halamb_c47682_g1_i1m.22801 | OG0 |
               99
                        Xestes maker-XT scaffold2950-augustus-gene-0.4-mRNA-1 | OG0 |
                   _____Xestes_maker-XT_scaffold5939-augustus-gene-0.3-mRNA-1 | OG0 |
                             -Xestes_augustus_masked-XT_scaffold190076-processed-gene-0.167-mRNA-1 | OG1 |
                          Eupdun Edun sb10627734 | OG1 |
    71
                            Coemet Cmet scaffold17994 01 | OG1 |
                      100
                            •Vmul_Simscaffold11586_01 | OG1 |
                 100
                                       •Pbac_sb2661078 | OG1
                             <sub>|</sub>-Horcal_Hcv1.av93.c7.g877.i1 | OG1 |
                        100
                    92
                           98 Pbac sb2667216 | OG1 |
                               •Mlei_ML0359.g8.i1 | OG1 |
                      95
                                Bolinf_Binf_sb1257715 | OG1 |
                             <sup>100</sup>Bolinf Binf sb1257716 | OG1 |
                                 Beraby_Baby_sb336103 | OG1 |
                                   Drygla Dgla sb296688 | OG1 |
                                 <sup>91</sup> Drygla_Dgla_sb296689 | OG1 |
                                     Drygla_Dgla_sb296691 | OG1 |
                              100
                                   <sup>97</sup> Drygla_Dgla_sb296693 | OG1 |
                                     Drygla_Dgla_sb296690 | OG1 |
                                   <sup>89]</sup>Drygla_Dgla_sb296692 | OG1 |
                   TrH2 TrispH2 007503-RA | OG1 |
                100 Tadh TriadT22637 | OG1 |
                    •HoiH11_mRNA4382 | OG1
             100
                       <sub>"</sub>HoiH23_PIH23_002695-RA | OG1 |
                    <sup>1001</sup>•HoiH06 mRNA3322 | OG1 |
                       •Hhon_g11437.t1 | OG1 |
                         Hhon g07095.t1 | OG1 |
                       88<sup>1</sup>HoiH04 mRNA4093 | OG1 |
   47
                       •Mylflu_EP00047_Mylnosiga_fluctuans_P007432 | OG1 |
                     Chem TCONS 00014362 | OG1 |
                         •Codhol_EP00042_Codosiga_hollandica_P011059 | OG1 |
                    Plajan Pjan scaffold3516 01 | OG1 |
                 <sup>100</sup> Plajan_Pjan_scaffold3517_01 | OG1 |
     14
                       Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA150741 | OG1 |
           49
                          •Codhol_EP00042_Codosiga_hollandica_P013613 | OG1 |
                         Opea_EP00118_Oscarella_pearsei_P025616 | OG1 |
                      <sup>100</sup> Ocar_g10433 | OG1 |
       42
                100
                       Plajan_Pjan_scaffold10856_01 | OG1 |
                    <sup>1001</sup>Plajan Pjan scaffold10857 01 | OG1 |
                                    -Salkve_EP00050_Salpingoeca_kvevrii_P014947 | OG1 |
                                 •Mbre EDQ92425 | OG1 |
                              -Choper_EP00045_Choanoeca_perplexa_P017895 | OG1 |
                    100
         51
                                Chofle_EP00730_Choanoeca_flexa_P007908 | OG1 |
                           <sup>100</sup> Chofle EP00730_Choanoeca_flexa_P007909 | OG1 |
                68
                               •Diagra_EP00040_Diaphanoeca_grandis_P016947 | OG1 |
                               Stedip EP00041 Stephanoeca diplocostata P015474 | OG1 |
                              edip_EP00041_Stephanoeca_diplocostata_P015475 | OG1 |
                              Didcos_EP00039_Didymoeca_costata_P026067 | OG1 |
                                Acaspe_EP00035_Acanthoeca_spectabilis_P031280 | OG1 |
                                -Helnan EP00037 Helgoeca nana P032323 | OG1 |
           47
                          •Dgig_XM_028541291.1 | OG1 |
                          •Exapal XM 021059706.2 | OG1 |
                           •Nvec_v1g163935 | OG1 |
                73
                            •Gfas gfas1.m1.20600.m1 | OG1 |
                  90
                             Amil_Amillepora11589-RA | OG1 |
                          <sup>100</sup> Adig XM 015901527.1 | OG1 |
                              -Spis_XP_022791866_1 | OG1 |
                           <sup>1001</sup>-Pocdam_XM_027184548.1 | OG1 |
                              Gasp gasp1.m3.27385.m1 | OG1 |
              50
                           99<sup>1</sup>•Fspp_ffun1.m4.24237.m1 | OG1 |
                           Saldol EP00054 Salpingoeca dolichothecata P012498 | OG1 |
                                 •Morvir_scaffold81.g5.t1 | OG1 |
                  40
                              Sanmal Sma 005317-T1 | OG1 |
                     98
                               Aaur scaffold521.g5.t1 | OG1 |
                                 •Nemnom_g14643.t1 | OG1 |
                30
                                 Rhoesc Res 004953-T1 | OG1 |
                            •Bralan_BLAG02000283_1 | OG1 |
                    88
                           •Acagra_model.g20233.t1 | OG1 |
                              •Skow_XM_002739172.2 | OG1 |
                                •Cgig_XM_034453334.1 | OG1 |
                    69
                             100<sup>1</sup>-Cgig XM_034453335.1 | OG1 |
                                         -Cscu_XM_023376282.1 | OG1 |
                                   Clacor Ccor scaffold6329 01 | OG1 |
                                    •Gracom_Gcom_C541208_01 | OG1 |
                            100
                                       •Scil_scict015995.2 | OG1 |
                                100
                                         •Lcom lcpid60417 | OG1 |
                                     68<sup>1</sup> Leuniv Lniv scaffold24412 01 | OG1 |
0.416667
```