```
•Tcas TC013192 001 | OG0 |
                      •Clacor_Ccor_C538609_01 | OG0 |
   66
                       •Leuniv_Lniv_scaffold25713_01 | OG0 |
           100
                            •Gracom_Gcom_scaffold17174_01 | OG0 |
                  100
                          •Scil scict019503.1 | OG0 |
                           Lcom lcpid69571 | OG0 |
                                  Lcom | lcpid121447 | OG0 |
                         •Eupdun_Edun_sb10653763 | OG0 |
                              •Vmul_SimC393280 | OG0 |
                      100
                                <sub>"</sub>Coeast_Cast_sb751839 | OG0 |
                100
                             100 - Coemet Cmet_scaffold2956_01 | OG0 |
                              •Lampan_Lpan_C411095_01 | OG0 |
                    97
                               Mertsp_Mesp_sb582552 | OG0 |
                                 Mertsp_Mesp_sb582551 | OG0 |
                            100
                                   Bolinf_Binf_sb1257954 | OG0 |
                      95
                                     Bolinf Binf sb1257953 | OG0 |
                                        Mertsp_Mesp_sb582549 | OG0 |
                        97
                                     96 Mertsp_Mesp_sb582550 | OG0 |
                                  Horcal_Hcv1.av93.c2.g287.i1 | OG0 |
                                <sup>100]</sup>•Pbac_sb2653990 | OG0 |
                                  Bolinf Binf sb1305965 | OG0 |
                          94
                               <sup>100</sup> Beraby_Baby_sb335785 | OG0 |
                                       Drygla_Dgla_sb293769 | OG0 |
                             66
                                     •Vmul sbMO408275 | OG0 |
                               63
                                       Bolinf Binf sb1237560 | OG0 |
                                     <sup>100</sup> Mertsp_Mesp_sb574193 | OG0 |
                       •Morvir_scaffold155.g47.t1 | OG1 |
                         Hvul_g29637_1 | OG1 |
       83
            100
                         Chem TCONS 00015227 | OG1 |
     69
                   Sanmal Sma 023463-T1 | OG1 |
                   •Aaur_scaffold1429.g5.t1 | OG1 |
           100
                     •Nemnom_g3101.t1 | OG1 |
                 <sup>100</sup> Rhoesc_Res_004356-T1 | OG1 |
   52
                      Saldol EP00054 Salpingoeca dolichothecata P011743 | OG1 |
                                Salurc_EP00051_Salpingoeca_urceolata_P005459 | OG1 |
                              Didcos EP00039 Didymoeca costata P007187 | OG1 |
               38
                                 Diagra_EP00040_Diaphanoeca_grandis_P019920 | OG1 |
                  100
          100
                                    Stedip_EP00041_Stephanoeca_diplocostata_P010854 | OG1 |
                      100
                                     Acaspe EP00035 Acanthoeca spectabilis P023500 | OG1 |
                          100
                                    •Helnan_EP00037_Helgoeca_nana_P033365 | OG1 |
             96
                            •Mylflu_EP00047_Mylnosiga_fluctuans_P002854 | OG1 |
                             Salmac_EP00052_Salpingoeca_macrocollata_P007829 | OG1 |
                 99
                   95
                              -Salpun_EP00053_Salpingoeca_punica_P008850 | OG1 |
                                     Lcom | lcpid199842 | OG1 |
                        100
                                 Salkve EP00050_Salpingoeca_kvevrii_P018134 | OG1 |
               30
                                      ·Codhol_EP00042_Codosiga_hollandica_P012470 | OG1 |
                                  •Codhol_EP00042_Codosiga_hollandica_P012468 | OG1 |
                             100
                                     •Codhol_EP00042_Codosiga_hollandica_P012469 | OG1 |
                 30
                                  ·Salinf_EP00049_Salpingoeca_infusionum_P023424 | OG1 |
                                       •Microa_EP00043_Microstomoeca_roanoka_P014112 | OG1 |
                       100
61
                                       •Sros_EGD80140 | OG1 |
                    100
                                  •Mbre_EDQ89496 | OG1 |
                                 •Chofle_EP00730_Choanoeca_flexa_P014330 | OG1 |
                                  Choper EP00045 Choanoeca perplexa P015033 | OG1 |
                 •Dgig_XM_028537658.1 | OG1 |
            100
                     •Xesp_022129-T1 | OG1 |
                  •Exapal_XM_021037541.2 | OG1 |
                  Nvec_v1g171651 | OG1 |
     99
                    •Nvec_v1g223288 | OG1 |
                 Adig XM 015907357.1 | OG1 |
       100
                    Amil_Amillepora33583-RA | OG1 |
               100
                  <sup>™</sup>•Amil_Amillepora33574-RA | OG1 |
           100
                  Gfas_gfas1.m1.15868.m1 | OG1 |
                      -Spis_XP_022785283_1 | OG1 |
                  <sup>100</sup><sup>1</sup>•Pocdam_XM_027200668.1 | OG1 |
                       Gasp_gasp1.m3.16049.m1 | OG1 |
                        •Fspp_ffun1.m4.16337.m1 | OG1 |
   91
                       <sub>[</sub>TrH2_TrispH2_006033-RA | OG1 |
                    <sup>1001</sup>•Tadh_TriadT54401 | OG1 |
                         •HoiH11_mRNA7247 | OG1 |
                  100
                             HoiH23_PIH23_002199-RA | OG1 |
                     100
                          <sup>100</sup>1•HoiH06_mRNA2476 | OG1 |
                             Hhon_g02433.t1 | OG1 |
                          <sup>100</sup> HoiH04_mRNA2186 | OG1 |
                        •Cgig_XM_011431283.3 | OG1 |
              100
                          -Acagra_model.g9218.t1 | OG1 |
     85
                            •Dpul_mRNA28030 | OG1 |
                            •Cscu_XM_023360447.1 | OG1 |
         65
                        -Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA176282 | OG1 |
                          Bralan_BLAG17000844_1 | OG1 |
                            •Hsap_ENST00000444053 | OG1 |
                         •Spur_XM_030974680.1 | OG1 |
                         Skow_XM_002734627.2 | OG1 |
       83
                       •Plajan_Pjan_C558769_01 | OG1 |
                          Opea_EP00118_Oscarella_pearsei_P027506 | OG1 |
             99
                             •Ocar_g3255 | OG1 |
                         •Plespi_Pspi_C611088_01 | OG1 |
                                -Xestes_maker-XT_scaffold30255-augustus-gene-0.13-mRNA-1 | OG1 |
                                <sub>!</sub>Halamb_c41133_g1_i1m.13449 | OG1 |
                       100
                             64<sup>1</sup>-Halamb_c45545_g1_i1m.19147 | OG1 |
            100
                           94
                                   Aque_Aqu2.1.41183_001 | OG1 |
                                <sup>1001</sup>•Aque_Aqu2.1.04816_001 | OG1 |
                           •Tetwil_g24980.t1 | OG1 |
              99
                          rStycar_maker-SC_scaffold124570-augustus-gene-0.3-mRNA-1 | OG1 |
                               •Stycar_maker-SC_scaffold6232-augustus-gene-0.54-mRNA-1 | OG1 |
                          <sup>561</sup>Stycar_maker-SC_scaffold7441-augustus-gene-0.7-mRNA-1 | OG1 |
                 87
                               Emue Em0447g10a.t1 | OG1 |
                            <sup>100</sup>•Emue_Em0022g318a.t1 | OG1 |
                                •Spolac_c102099_g1_i3_m.27941c102099-g1 | OG1 |
                         100
                                 <sub>|</sub>Spolac_c102099_g1_i1_m.27938c102099-g1 | OG1 |
                               <sup>731</sup>-Spolac c102099 g1_i2_m.27940c102099-g1 | OG1 |
0.416667
```