```
Popea_EP00118_Oscarella_pearsei_P025606 | OG0 |
         100 Ocar g5775 | OG0 |
               Lcom | lcpid181662 | OG0 |
                  -Lcom | lcpid185011 | OG0 |
                                                                                                                                   Stycar maker-SC scaffold4233-augustus-gene-0.96-mRNA-1 | OG0 |
                                       Lcom lcpid160462 | OG0 |
                   -Xestes maker-XT scaffold206-augustus-gene-0.44-mRNA-1 | OG1 |
                       -Aque_Aqu2.1.22415_001 | OG1 |
                      Halamb_c52726_g1_i1mm.4742 | OG1 |
                        -Halamb_c56292_g1_i6mm.7066 | OG1 |
                                                                           -Aque Aqu2.1.22416 001 | OG1 |
                                                                       -Aque Aqu2.1.21095 001 | OG1 |
       100
                                                                     <sup>96</sup> Aque_Aqu2.1.01083_001 | OG1 |
                 Emue Em0023g130a.t1 | OG1 |
              100 -Spolac c103626 g4 i1 m.35254c103626-g4 | OG1 |
                  Tetwil g12632.t2 | OG1 |
                    -Stycar_maker-SC_scaffold114750-augustus-gene-0.3-mRNA-1 | OG1 |
                       →Stycar_snap_masked-SC_scaffold123080-processed-gene-0.2-mRNA-1 | OG1 |
                             Stycar_maker-SC_scaffold61705-augustus-gene-0.3-mRNA-1 | OG1 |
                             Stycar maker-SC scaffold30357-augustus-gene-0.3-mRNA-1 | OG1 |
                        <sup>99]</sup>Stycar maker-SC scaffold7743-augustus-gene-0.2-mRNA-1 | OG1 |
                        •Stycar_maker-SC_scaffold107638-snap-gene-0.4-mRNA-1 | OG1 |
                         ⊸Stycar_maker-SC_scaffold4233-augustus-gene-0.97-mRNA-1 | OG1 |
                          Stycar_maker-SC_scaffold7468-snap-gene-0.41-mRNA-1 | OG1 |
                             Stycar augustus masked-SC scaffold106818-processed-gene-0.1-mRNA-1 | OG1 |
                          <sup>1001</sup>-Stycar maker-SC scaffold139875-snap-gene-0.26-mRNA-1 | OG1 |
                    -Clacor_Ccor_C536533_01 | OG1 |
                    -Lcom_lcpid74354 | OG1 |
                     -Leuniv_Lniv_C809900_01 | OG1 |
                        -Gracom Gcom scaffold18053 01 | OG1 |
                        Scil scict008717.1 | OG1 |
                      <sup>1001</sup>Lcom | lcpid182209 | OG1 |
                         Eupdun_Edun_sb10666601 | OG1 |
                           -Eupdun Edun sb10666604 | OG1 |
                            -Eupdun Edun sb10666607 | OG1 |
                               Eupdun Edun sb10666606 | OG1 |
                              44 Eupdun_Edun_sb10666605 | OG1 |
                            ┌•Vmul_Simscaffold10384_01 | OG1 |
                               Coemet Cmet scaffold15771 01 | OG1 |
                                  Coeast Cast sb803534 | OG1 |
                            100
                                     Coeast_Cast_sb803536 | OG1 |
                                  100 Coeast Cast_sb803535 | OG1 |
                             -Lampan_Lpan_11043_01 | OG1 |
                                Bolinf Binf sb1262561 | OG1 |
                              <sup>100</sup> Mertsp Mesp sb587237 | OG1 |
                                      Horcal_Hcv1.av93.c4.g187.i1 | OG1 |
                                    <sup>99</sup> Horcal_Hcv1.av93.c4.g187.i2 | OG1 |
                                 100
                                     Pbac_sb2666851 | OG1 |
                                                 Pbac sb2666850 | OG1 |
                                               1001 Pbac sb2666849 | OG1 |
                                   -Drygla_Dgla_sb299761 | OG1 |
                                       Drygla_Dgla_sb316558 | OG1 |
                                           Bolinf_Binf_sb1301903 | OG1 |
                                         <sup>54</sup> Mertsp Mesp_sb536602 | OG1 |
                                          Beraby Baby sb344385 | OG1 |
                                         82<sup>1</sup>Beraby_Baby_sb344387 | OG1 |
                                         Mlei_ML3530.g15.i1 | OG1 |
                                      100 Vmul sbMO443856 | OG1 |
                                        -Mertsp Mesp sb589285 | OG1 |
                                         Bolinf Binf sb1256438 | OG1 |
                                        92 Mertsp_Mesp_sb589284 | OG1 |
               •Hsap_ENST00000678042 | OG1 |
                   •Spur_XM_030983198.1 | OG1 |
                  -Bralan BLAG02001009 2 | OG1 |
                  -Skow XM 002734984.2 | OG1 |
                  Dpul mRNA10089 | OG1 |
       63
                              -Dpul mRNA10283 | OG1 |
                    •Cscu_XM_023367651.1 | OG1 |
                        -Tcas TC002738 001 | OG1 |
         57
                   -Ctel gnl WGS AMQN CAPTEDRAFT mRNA159549 | OG1 |
                   Lcom lcpid89844 | OG1 |
                  •Cgig_XM_011456571.3 | OG1 |
                 Acagra model.g24482.t1 | OG1 |
                                         -Lcom_lcpid232142 | OG1 |
                -Exapal XM 021038108.1 | OG1 |
                  -Nvec_v1g143521 | OG1 |
            100
               100 Nvec_v1g163572 | OG1 |
                  <sup>77</sup> Nvec v1g223968 | OG1 |
                 Gfas gfas1.m1.9300.m1 | OG1 |
               <sup>97</sup>-Amil Amillepora22065-RA | OG1 |
                   -Fspp_ffun1.m4.25094.m1 | OG1 |
            100
                     •Fspp_ffun1.m4.27079.m1 | OG1 |
                   89 Gasp gasp1.m3.22469.m1 | OG1 |
                    →Pocdam_XM_027197084.1 | OG1 |
                     Spis_XP_022798128_1 | OG1 |
                   <sup>100</sup> •Pocdam_XM_027197051.1 | OG1 |
                   --Hvul_g13864_1 | OG1 |
               100 Chem_TCONS_00020698 | OG1 |
                      -Morvir scaffold5.g182.t1 | OG1 |
                       -Sanmal Sma 007604-T1 | OG1 |
                         --Aaur_scaffold474.g7.t1 | OG1 |
                  100
                           -Aaur_scaffold474.g8.t1 | OG1
                           -Rhoesc_Res_011693-T1 | OG1 |
                             Nemnom_g13559.t1 | OG1 |
                           1001-Nemnom_g9645.t1 | OG1 |
                       -Dgig_XM_028550492.1 | OG1 |
                       *Xesp_000238-T1 | OG1 |
                                                         Lcom lcpid209959 | OG1 |
                           TrH2_TrispH2_001480-RA | OG1 |
                        <sup>100</sup> Tadh TriadT50473 | OG1 |
                          -HoiH11_mRNA4582 | OG1 |
                               -HoiH23_PIH23_001103-RA | OG1 |
                            <sup>100</sup> HoiH06 mRNA14495 | OG1 |
                               <sup>e</sup>Hhon g00272.t1 | OG1 |
                            100<sup>1</sup>-HoiH04 mRNA2570 | OG1 |
0.416667
```