```
•Plajan Pjan scaffold19473 01 | OG0 |
                 Popea EP00118 Oscarella pearsei P026503 | OG0 |
         100
              100 Ocar g7206 | OG0 |
                              •Gracom_Gcom_scaffold15670_01 | OG0 |
 99
                             •Lcom | lcpid15056 | OG0 |
                             -Scil scict020148.1 | OG0 |
     100
                   •Clacor_Ccor_C517053_01 | OG0 |
                   •Clacor_Ccor_scaffold8904_01 | OG0 |
         99
                         <u>r</u>Leuniv_Lniv_scaffold16107_01 | OG0 |
            100
                      <sup>1001</sup>Leuniv_Lniv_scaffold16108_01 | OG0 |
                          Gracom Gcom_C545900_01 | OG0 |
                            •Scil_scict021314.1 | OG0 |
                            •Lcom_lcpid57917 | OG0 |
                   •Plespi_Pspi_C605952_01 | OG0 |
                   •Tetwil g10716.t1 | OG0 |
                   Emue Em0021g263a.t1 | OG0 |
          98
    100
                    Spolac c103249 g1 i3 m.33233c103249-g1 | OG0 |
              100
                       <sub>!</sub>Spolac_c103249_g1_i1_m.33231c103249-g1 | OG0 |
       100
                    <sup>77</sup> Spolac_c103249_g1_i2_m.33232c103249-g1 | OG0 |
                       Stycar_maker-SC_scaffold7416-augustus-gene-0.6-mRNA-1 | OG0 |
                   •Xestes_maker-XT_scaffold5002-augustus-gene-0.55-mRNA-1 | OG0 |
                      •Halamb_c44447_g1_i1m.17495 | OG0 |
              100
                       Aque_Aqu2.1.14002_001 | OG0 |
                     <sup>100</sup><sup>1</sup>-•Aque_Aqu2.1.02096_001 | OG0 |
                       <sub>|</sub>TrH2_TrispH2_009802-RA|OG0|
                     <sup>991</sup>Tadh TriadT54308 | OG0 |
                           •HoiH23 PIH23 000955-RA | OG0 |
                  100
                        •HoiH11 mRNA6222 | OG0 |
                             <sub>-</sub>Hhon_g00679.t1 | OG0 |
                           <sup>100</sup><sup>1</sup>-HoiH04_mRNA3714 | OG0 |
                      •Bralan BLAG18000892 4 | OG0 |
                      Skow_XM_002734478.2 | OG0 |
                          •Spur_XM_011674484.2 | OG0 |
                 98
                       <sup>1001</sup>Spur XM_030987822.1 | OG0 |
                        Cscu XM 023381870.1 | OG0 |
             99
                            •Tcas_TC000078_001 | OG0 |
                     100
                           •Dpul_mRNA317 | OG0 |
                           •Hsap_ENST00000334956 | OG0 |
                     100
                             Hsap ENST00000406477 | OG0 |
                          Ctel gnl WGS AMQN CAPTEDRAFT mRNA222253 | OG0 |
                           •Cgig XM 034477136.1 | OG0 |
                           Acagra_model.g6783.t1 | OG0 |
    99
                        <sup>100</sup> -Acagra_model.g6783.t1.1.5d3b854c | OG0 |
         92
                        Chem_TCONS_00033346 | OG0 |
                  100
                            •Hvul g29709 1 | OG0 |
                        •Morvir_scaffold372.g18.t1 | OG0 |
             100
                   93
                            •Morvir_scaffold533.g1.t1 | OG0 |
                        <sup>1001</sup>Sanmal_Sma_028163-T1 | OG0 |
                         •Aaur_scaffold115.g16.t1 | OG0 |
                             •Aaur_scaffold115.g17.t1 | OG0 |
                              -Nemnom_g14072.t1 | OG0 |
           96
                           <sup>100</sup><sup>1</sup>-Rhoesc_Res_002639-T1 | OG0 |
                        -Dgig_XM_028552658.1 | OG0 |
                     <sup>100</sup><sup>1</sup>-Xesp_008462-T1 | OG0 |
                          •Exapal_XM_021055606.2 | OG0 |
                      <sup>100</sup>•Exapal_XM_021037103.1 | OG0 |
                          Nvec_v1g148601 | OG0 |
             98
                   100
      80
                            Nvec v1g207272 | OG0 |
                       100
                                 Nvec v1g220916 | OG0 |
                              100
                                     Nvec v1g220336 | OG0 |
                98
                            Pocdam XM 027194543.1 | OG0 |
                     <sup>1001</sup>-Spis_XP_022795095_1 | OG0 |
                          •Gasp gasp1.m3.15000.m1 | OG0 |
                  99
                           Fspp ffun1.m4.10980.m1 | OG0 |
                          Gfas_gfas1.m1.9932.m1 | OG0 |
                            Amil_Amillepora35406-RA | OG0 |
                         <sup>100</sup> Adig_XM_015917210.1 | OG0 |
                                •Hsap ENST00000422871 | OG0 |
                               Nmul_sbMO431600 | OG0 |
                                  Vmul sbMO431601 | OG0 |
                               rCoeast_Cast_sb797717 | OG0 |
                                   •Coeast_Cast_sb797720 | OG0 |
                            100
         89
                               <sup>1001</sup>•Coeast_Cast_sb797721 | OG0 |
                                 Lampan Lpan 8705 01 | OG0 |
                                   Lampan_Lpan_8706_01 | OG0 |
                                     Lampan_Lpan_8708_01 | OG0 |
                       100
                                   431 Lampan Lpan 8707 01 | OG0 |
                            68
                                 Eupdun Edun sb10659132 | OG0 |
                                  Eupdun Edun sb10659129 | OG0 |
                              100
                                    Eupdun_Edun_sb10659131 | OG0 |
                                   1-Eupdun_Edun_sb10659130 | OG0 |
                                    -Horcal_Hcv1.av93.c5.g424.i2 | OG0 |
                                      Pbac sb2662650 | OG0 |
                                 100
                                        Horcal Hcv1.av93.c5.g424.i3 | OG0 |
                                      83 Horcal_Hcv1.av93.c5.g424.i1 | OG0 |
                                      <sub>_</sub>Mertsp_Mesp_sb598867 | OG0 |
                                   <sup>97</sup> Mertsp_Mesp_sb598868 | OG0 |
                            93
                                 100
                                      Bolinf Binf sb1274511 | OG0 |
                                        Bolinf Binf sb1274512 | OG0 |
                                      60 Bolinf_Binf_sb1274513 | OG0 |
                                        Beraby_Baby_sb349081 | OG0 |
                                      88
                                        <sup>1</sup> Beraby_Baby_sb349083 | OG0 |
                                   100
                                        Beraby Baby sb349082 | OG0 |
                                         Beraby_Baby_sb349080 | OG0 |
                                        <sup>1</sup> Beraby_Baby_sb349084 | OG0 |
                                        <sub>!</sub>Bolinf_Binf_sb1265520 | OG0 |
                                     <sup>100</sup> Bolinf Binf sb1265522 | OG0 |
                                          Drygla Dgla sb296223 | OG0 |
                                   70
                                       <sup>1001</sup>Drygla_Dgla_sb296224 | OG0 |
                                            <sub>f</sub>Mlei_ML0496.g7.i1 | OG0 |
                                         <sup>99]</sup>Vmul_sbMO436804 | OG0 |
                                              <sub>r</sub>Bolinf_Binf_sb1265521 | OG0 |
                                            <sup>81</sup> Bolinf Binf_sb1265519 | OG0 |
                                              Mertsp_Mesp_sb578595 | OG0 |
                                                Bolinf_Binf_sb1265516 | OG0 |
                                              <sup>59</sup> Bolinf Binf sb1265517 | OG0 |
0.416667
```