```
•Plajan_Pjan_scaffold17059_01 | OG0 |
                                       •Coeast_Cast_sb772159 | OG0 |
                        100
                                      Coeast Cast sb784780 | OG0 |
86
                                     •Lcom_lcpid122606 | OG0 |
                       100
                                Lcom lcpid243951 | OG0 |
      96
                             Vmul sbMO404748 | OG0 |
                 86
               <sup>99</sup>-Coemet_Cmet_scaffold1582_01 | OG0 |
                    -Lampan_Lpan_11799_01 | OG0 |
             56
                         •Drygla_Dgla_sb290409 | OG0 |
                        Mlei ML1545.g24.i1 | OG0 |
                        •Pbac_sb2663479 | OG0 |
                 100
                         Pbac_sb2660187 | OG0 |
                           Horcal_Hcv1.av93.c12.g259.i1 | OG0 |
                               ─•Pbac_sb2638525 | OG0 |
                           <sup>80</sup>Pbac sb2656719 | OG0 |
              •Tetwil g11518.t2 | OG1 |
                  Xestes_maker-XT_scaffold6419-augustus-gene-0.7-mRNA-1 | OG1 |
      100
                  •Halamb_c37433_g1_i1m.10073 | OG1 |
           100
                   •Aque_Aqu2.1.38825_001 | OG1 |
        40
                 Stycar maker-SC scaffold1132-snap-gene-0.19-mRNA-1 | OG1 |
                    •Spolac_c104558_g1_i2_m.41392c104558-g1 | OG1 |
                       •Emue_Em0495g6a.t1 | OG1 |
 85
                        Emue_Em0019g107a.t1 | OG1 |
                      <sup>99</sup>L-Emue_Em0551g2a.t1 | OG1 |
              Plespi Pspi scaffold11424 01 | OG1 |
           <sup>100</sup>Plespi_Pspi_scaffold11428_01 | OG1 |
                   •Plajan_Pjan_scaffold22324_01 | OG1 |
    55
                    100 Ocar g2526 | OG1 |
      97
                     Clacor Ccor_scaffold7150_01 | OG1 |
                    Scil_scict021533.1 | OG1 |
         100
                    •Leuniv_Lniv_C812514_01 | OG1 |
             100
                     Lcom | lcpid61254 | OG1 |
                       •Gracom_Gcom_C555344_01 | OG1 |
                 +Hsap ENST00000358385 | OG2 |
                 Hsap ENST00000378954 | OG2 |
         100
                      -Hsap ENST00000398868 | OG2 |
      94
                Skow_XM_002730750.2 | OG2 |
                    -Spur_XM_030998599.1 | OG2 |
        95
                  <sup>92</sup> Spur XM_030998950.1 | OG2 |
86
                     Spur XM 030998447.1 | OG2 |
               100
                           •Spur_XM_030981738.1 | OG2 |
                             •Spur_XM_030981741.1 | OG2 |
                       100
    87
                           <sup>1</sup>00<sup>1</sup>•Spur_XM_030981760.1 | OG2 |
               Ctel gnl WGS AMQN CAPTEDRAFT mRNA108499 | OG2 |
                          •Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA120023 | OG2 |
         100
                         •Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA41770 | OG2 |
             100
                            100
                                    •Ctel gnl WGS AMQN CAPTEDRAFT mRNA188482 | OG2 |
      91
                  Cgig XM 034470402.1 | OG2 |
                 •Acagra_model.g15747.t1 | OG2 |
                   •Bralan_BLAG04000512_1 | OG2 |
                                    •Cscu_XM_023388932.1 | OG2 |
                      Dpul_mRNA10726 | OG2 |
                        •Tcas TC009975 001 | OG2 |
                                    •Lcom_lcpid220955 | OG2 |
                                •HoiH11_mRNA9301 | OG3 |
                                      <sub>*</sub>TrH2_TrispH2_000824-RA | OG3 |
                            100
                                   <sup>100</sup> Tadh TriadT30624 | OG3 |
                                      <sub>"</sub>HoiH23 PIH23 005043-RA|OG3|
                                   <sup>100</sup>-HoiH06 _mRNA11013 | OG3 |
                                      <sub>!</sub>Hhon_g06369.t1 | OG3 |
                                   1001-HoiH04_mRNA10603 | OG3 |
                                          •Lcom_lcpid152436 | OG3 |
                      TrH2 TrispH2 000355-RA | OG3 |
           90
                   <sup>1001</sup>Tadh_TriadT59772 | OG3 |
                      •HoiH11_mRNA3205 | OG3 |
                 99
                          •HoiH23_PIH23_000408-RA | OG3 |
                          •HoiH06 mRNA7692 | OG3 |
                          •Hhon g06946.t1 | OG3 |
                             <sub>"</sub>HoiH04_mRNA11049 | OG3 |
    37
                          <sup>100</sup> HoiH04_mRNA9668 | OG3 |
                 •Morvir_scaffold595.g1.t1 | OG3 |
                   •Hvul_g33352_1 | OG3 |
        98
             100
                      Chem TCONS 00034289 | OG3 |
                  Morvir_scaffold83.g78.t1 | OG3 |
          93
                    •Sanmal_Sma_026644-T1 | OG3 |
                      Aaur scaffold27.g27.t4 | OG3 |
                        Rhoesc Res 001680-T1 | OG3 |
                         -Nemnom g8922.t1 | OG3 |
      98
                  •Dgig_XM_028540315.1 | OG3 |
                      •Xesp_011839-T1 | OG3 |
              100
                          •Xesp_003858-T1 | OG3 |
                      •Xesp 003850-T1 | OG3 |
                 100
                        Xesp 003692-T1 | OG3 |
        100
                      <sup>97</sup> •Xesp_003859-T1 | OG3 |
                     •Exapal_XM_021038615.2 | OG3 |
                   •Nvec_v1g99345 | OG3 |
                 •Spis XP 022803788 1 | OG3 |
           100
                      -Spis XP 022810344 1 | OG3 |
              100
                   <sup>96</sup>└-Pocdam XM 027202682.1 | OG3 |
                     -Fspp_ffun1.m4.27417.m1 | OG3 |
                        •Gasp_gasp1.m3.26367.m1 | OG3 |
                             •Gfas gfas1.m1.4635.m1 | OG3 |
                          <sup>100</sup>L-Gfas_gfas1.m1.19265.m1 | OG3 |
                              •Adig_XM_015902849.1 | OG3 |
                               -Amil_Amillepora12723-RA | OG3 |
```

⁹⁴□•Adig_XM_015921061.1 | OG3 |