```
Lcom | lcpid174538 | OG0 |
                                                            -Pbac sb2657146 | OG0 |
                 •Eupdun Edun sb10632343 | OG0 |
     98
                    Vmul sbMO397804 | OG0 |
                  *Coemet Cmet C602209 01 | OG0 |
        43
               100 Coeast Cast sb785753 | OG0 |
                    •Lampan Lpan 15715 01 | OG0 |
          43
                      •Horcal_Hcv1.av93.c1.g558.i1 | OG0 |
                      Mertsp Mesp sb582557 | OG0 |
                         Bolinf Binf sb1266181 | OG0 |
                      100 Mertsp Mesp sb582555 | OG0 |
               46
                      Drygla Dgla sb298254 | OG0 |
                        •Beraby_Baby_sb343813 | OG0 |
                 99
                          •Bolinf_Binf_sb1208100 | OG0 |
                           Mlei ML4552.g5.i1 | OG0 |
                        <sup>100</sup>Ū•Vmul_sbMO409631 | OG0 |
                           -Lcom | lcpid187941 | OG1 |
                •Lampan Lpan 11594 01 | OG1 |
                Drygla_Dgla_sb301823 | OG1 |
   88
                  •Vmul sbMO433134 | OG1 |
                  •Coemet Cmet scaffold15556 01 | OG1 |
            100
       99
                        Coeast Cast sb785215 | OG1 |
               100
                          Coeast Cast sb785212 | OG1 |
                        92<sup>1</sup>Coeast_Cast_sb785213 | OG1 |
                 •Mlei ML0350.g17.i1 | OG1 |
                  -Pbac sb2654019 | OG1 |
                   Pbac sb2648634 | OG1 |
                      -Horcal_Hcv1.av93.c3.g740.i2 | OG1 |
                         Pbac sb2654018 | OG1 |
                       <sup>54</sup> Horcal Hcv1.av93.c3.g740.i1 | OG1 |
                               •Mlei ML0117.g1.i1 | OG1 |
                                  Bolinf Binf sb1227530 | OG1 |
                               100 Mertsp Mesp sb573734 | OG1 |
                                     -Mertsp Mesp sb526774 | OG1 |
                                              •Mlei ML0350.g16.i1 | OG1 |
             •Plespi Pspi C589476 01 | OG2 |
              -Aque Aqu2.1.27289_001 | OG2 |
   66
               -Halamb c50796 g1 i2m.29120 | OG2 |
     90
                 Tetwil g2952.t2 | OG2 |
                -Emue Em0007g70a.t1 | OG2 |
             <sup>100</sup> -Spolac c103680_g1_i2_m.35548c103680-g1 | OG2 |
                  •Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA151243 | OG3 |
                   -Cscu XM 023362476.1 | OG3 |
         58
                   •Dpul_mRNA16386 | OG3 |
       45
                  Skow XM 002740696.2 | OG3 |
                         Lcom lcpid163733 | OG3 |
         83
                      Cgig XM 011422186.3 | OG3 |
                    •Acagra_model.g5797.t1 | OG3 |
                           •Plajan Pjan scaffold1504 01 | OG3 |
     52
                         •Plespi Pspi scaffold2091 01 | OG3 |
         86
                     •Plajan Pjan scaffold22135 01 | OG3 |
                         •Opea_EP00118_Oscarella_pearsei_P009208 | OG3 |
                        Ocar g8990 | OG3 |
                      92 Opea EP00118 Oscarella pearsei P009210 | OG3 |
                  Bralan BLAG12000293 1 | OG3 |
           100
                   •Hsap ENST00000328923 | OG3 |
                       •Morvir_scaffold48.g22.t3 | OG3 |
                           •Chem TCONS 00000568 | OG3 |
                  75
             92
                         Hvul g23902 1 | OG3 |
                            <sub>.</sub>Hvul_g23904_1 | OG3 |
                64
                                                                    •Hvul g23905 1 | OG3 |
                           •Sanmal Sma 005323-T1 | OG3 |
                            -•Aaur_scaffold1644.g1.t1 | OG3 |
           97
                            _-Nemnom_g15753.t1 | OG3 |
                         <sup>100</sup> Rhoesc_Res_005328-T1 | OG3 |
                      •Dgig_XM_028540177.1 | OG3 |
                        -Xesp_009524-T1 | OG3 |
                       •Exapal_XM_021036483.2 | OG3 |
                          •Nvec_v1g184037 | OG3 |
                100
                            Gfas_gfas1.m1.15566.m1 | OG3 |
                              -Amil Amillepora08560-RA | OG3 |
                        100
                  100
                                Adig XM 015901069.1 | OG3 |
                                   -•Adig XM 015901070.1 | OG3 |
                     100
                           -Fspp_ffun1.m4.21986.m1 | OG3 |
                            -Gasp_gasp1.m3.10586.m1 | OG3 |
                               Fspp_ffun1.m4.27204.m1 | OG3 |
                                 Spis XP 022782555 1 | OG3 |
                                   --Pocdam_XM_027192616.1 | OG3 |
                 TrH2_TrispH2_005684-RA | OG4 |
              <sup>100</sup> Tadh TriadT53932 | OG4 |
                   HoiH06_mRNA8093 | OG4 |
           100
                <sup>100</sup> HoiH23 PIH23 003727-RA | OG4 |
                   Hhon g00359.t1 | OG4 |
                 <sup>100</sup> HoiH04 mRNA8726 | OG4 |
                  •Clacor_Ccor_C513061_01 | OG5 |
                        Lcom | lcpid160748 | OG5 |
                   ·Clacor Ccor scaffold13207 01 | OG6 |
         74
                     Lcom | lcpid10196 | OG6 |
            95
                      •Gracom_Gcom_C553368_01 | OG6 |
                         •Leuniv_Lniv_scaffold22437_01 | OG6 |
                          Scil scict024459.1 | OG6 |
                       100 Lcom_lcpid240363 | OG6 |
                      •Spur_XM_030973185.1 | OG8 |
                            •Hvul_g12727_1 | OG7 |
       67
                              •Chem_TCONS_00061039 | OG7 |
                   98
                                  •Hvul_g12726_1 | OG7 |
               100
                           •Morvir_scaffold1.g277.t1 | OG7 |
                              -Sanmal Sma 012577-T1 | OG7 |
                           100 -Sanmal_Sma_012585-T1 | OG7 |
                              •Nemnom_g7460.t1 | OG7 |
                               -•Nemnom_g7459.t1 | OG7 |
             97
                           1001-Rhoesc Res 013871-T1 | OG7 |
         38
                                                        -Xesp 017354-T1 | OG7 |
                          •Xesp_017347-T1 | OG7 |
                          Dgig_XM_028560062.1 | OG7 |
                     100
                        99
                           •Nvec_v1g129467 | OG7 |
                           •Exapal_XM_021050620.2 | OG7 |
                           •Gfas_gfas1.m1.5704.m1 | OG7 |
                  99
                             Amil_Amillepora14150-RA | OG7 |
                          100 -Adig_XM_015911369.1 | OG7 |
                          Gasp gasp1.m3.22096.m1 | OG7 |
                            ┌•Fspp_ffun1.m4.7030.m1 | OG7 |
                               <sub>[*</sub>Spis_XP_022802675_1 | OG7 |
                            <sup>1001</sup>•Pocdam_XM_027204002.1 | OG7 |
                             TrH2 TrispH2 005701-RA | OG7 |
                          <sup>100</sup> Tadh_TriadT20682 | OG7 |
                             •HoiH11_mRNA3721 | OG7 |
                       100
                                  ┌•HoiH06_mRNA14402 | OG7 |
                               100 - HoiH23_PIH23_010660-RA | OG7 |
                                  Hhon g00339.t1 | OG7 |
                               <sup>100</sup> HoiH04 mRNA8667 | OG7 |
                         Bralan BLAG12000208 1 | OG7 |
                 66
                          -Hsap ENST00000316694 | OG7
                             <sub>!</sub>Cscu_XM_023377570.1 | OG7 |
                          <sup>100</sup> Cscu_XM_023377566.1 | OG7 |
               96
                    100
                                                             -Xestes_augustus_masked-XT_scaffold192114-processed-gene-0.156-mRNA-1 | OG7 |
                                 •Dpul_mRNA3817 | OG7 |
                                   Tcas TC015993 001 | OG7 |
                 54
                                Spur_XM_792981.5 | OG7 |
                               Skow NM 001184910.1 | OG7 |
                                Lcom Icpid198638 | OG7 |
                                  Cgig_XM_034455184.1 | OG7 |
                                  Acagra model.g4833.t1.1.5d3b83b4 | OG7 |
                                Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA180856 | OG7 |
                                       Lcom_lcpid171734 | OG7 |
                                       -Lcom_lcpid97864 | OG7 |
                                       Lcom | lcpid191046 | OG7 |
0.416667
```