```
-Lcom_lcpid194552 | OG0 |
            •Spolac_c113489_g1_i1_m.46207c113489-g1 | OG0 |
            -Plespi Pspi C576670 01 | OG0 |
     •Clacor_Ccor_C509619_01 | OG3 |
       _Clacor_Ccor_C506781_01 | OG1 |
     <sup>961</sup>-Lcom_lcpid199601 | OG1 |
    -Lcom_lcpid225569 | OG4 |
       •Skow_XM_002734117.2 | OG2 |
87
           •Hsap_ENST00000525634 | OG2 |
               -Lcom_lcpid219944 | OG2 |
                   •Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA149191 | OG2 |
                   •Dpul_mRNA29137 | OG2 |
                   •Lcom_lcpid178797 | OG2 |
                    •Bralan_BLAG03000757_1 | OG2 |
                      Lcom | lcpid170734 | OG2 |
                        <sub>s</sub>Lcom_lcpid167742 | OG2 |
                      951-Lcom | lcpid170440 | OG2 |
               -Tcas_TC004990_001 | OG2 |
                •Leuniv_Lniv_scaffold14628_01 | OG2 |
          19
                    •Acagra_model.g1299.t1.1.5d3b82d9 | OG2 |
                        •Lcom_lcpid173583 | OG2 |
             26
                         •Cgig_XM_011443066.3 | OG2 |
                     82<sup>1</sup>Lcom_lcpid206861 | OG2 |
               20
                       •Lcom_lcpid209310 | OG2 |
      38
                        •Lcom_lcpid196996 | OG2 |
                 56
                          •Eupdun_Edun_sb10638251 | OG2 |
                   62
                             Coeast_Cast_sb785228 | OG2 |
                                100
                                    Vmul_Simscaffold1519_01 | OG2 |
                               <sub>|</sub>Coeast_Cast_sb830630 | OG2 |
                                 <u> Mertsp_Mesp_sb591582 | OG2 |</u>
                         93
                               <sup>791</sup>Bolinf_Binf_sb1227177 | OG2 |
                                  Bolinf_Binf_sb1218198 | OG2 |
                               100 Mertsp_Mesp_sb564825 | OG2 |
                                   <sup>1</sup> Beraby_Baby_sb339872 | OG2 |
                                     •Horcal_Hcv1.av93.c1.g414.i1 | OG2 |
                                       •Pbac_sb2647456 | OG2 |
                                    <sup>59</sup> Coeast_Cast_sb788025 | OG2 |
        39
                                      <u>r</u>Mlei_ML0479.g6.i1 | OG2 |
                                    <sup>50]</sup>Vmul_sbMO424759 | OG2 |
                                      •Mlei_ML0479.g5.i1 | OG2 |
                                          Bolinf_Binf_sb1265180 | OG2 |
                                        <u>-</u>Drygla_Dgla_sb290115 | OG2 |
                                        <sup>100</sup>1•Drygla_Dgla_sb290116 | OG2 |
                  ·Cscu_XM_023388931.1 | OG2 |
                      •Lcom_lcpid174117 | OG2 |
                      •Lcom_lcpid196759 | OG2 |
                    Stycar_snap_masked-SC_scaffold5317-processed-gene-0.0-mRNA-1 | OG2 |
             49
                      •Spolac_c87188_g1_i1_m.4137c87188-g1 | OG2 |
                   •Xestes_maker-XT_scaffold2081-augustus-gene-0.42-mRNA-1 | OG2 |
                     <sub>|</sub>•Halamb_c29807_g1_i1m.6071 | OG2 |
                      -•Aque_Aqu2.1.28485_001 | OG2 |
                     -Clacor_Ccor_C514035_01 | OG2 |
                      <sub>[</sub>•Xesp_025179-T1 | OG2 |
                        Dgig_XM_028540156.1 | OG2 |
                      99<sup>1</sup>Coemet_Cmet_C566504_01 | OG2 |
               35
                     •Spur_XM_781210.5 | OG2 |
                         -Leuniv_Lniv_scaffold3393_01 | OG2 |
                     <sup>100</sup>-Lcom_lcpid163364 | OG2 |
                           <sub>f</sub>TrH2_TrispH2_008077-RA | OG2 |
                        <sup>991</sup>Tadh TriadT36727 | OG2 |
                            HoiH23_PIH23_004311-RA | OG2 |
                             -HoiH11_mRNA9610 | OG2 |
                        90
                              _HoiH06_mRNA2142 | OG2 |
                             99<sup>1</sup>-HoiH04_mRNA8054 | OG2 |
                     •Morvir_scaffold311.g15.t1 | OG2 |
                        -Chem_TCONS_00051309 | OG2 |
                     <sup>97</sup> Hvul_g11728_1 | OG2 |
                        •Sanmal_Sma_005638-T1 | OG2 |
                           -Rhoesc Res 005942-T1 | OG2 |
                        <sup>100</sup> Nemnom_g13146.t1 | OG2 |
                       Opea_EP00118_Oscarella_pearsei_P024515 | OG2 |
                        Exapal_XM_021039418.2 | OG2 |
                          Nvec_v1g235818 | OG2 |
                             -Lcom_lcpid167244 | OG2 |
                        Amil_Amillepora12311-RA | OG2 |
                     •Gasp_gasp1.m3.12192.m1 | OG2 |
                          Fspp ffun1.m4.6455.m1 | OG2 |
                            Pocdam_XM_027192486.1 | OG2 |
                              -Gfas_gfas1.m1.13635.m1 | OG2 |
                            <sup>89</sup> Spis XP 022803823_1 | OG2 |
```

1