```
-Plespi_Pspi_C589576_01 | OG0 |
                     Gracom_Gcom_C521984_01 | OG0 |
                                   •Leuniv Lniv scaffold18573 01 | OG0 |
      Lcom_lcpid169893 | OG5 |
               Lcom lcpid162820 | OG1 |
               •Lcom_lcpid224485 | OG1
                 -Lcom_lcpid207649 | OG3 |
99
                -Lcom_lcpid208161 | OG3 |
                   •Lcom_lcpid211781 | OG6 |
       37
                    •Clacor_Ccor_C523617_01 | OG4 |
         80
                      -Scil_scict008281.1 | OG4 |
                   <sup>88</sup>Ū-Lcom_lcpid112330 | OG4 |
                     Gracom_Gcom_C537348_01 | OG4 |
                             Leuniv_Lniv_scaffold4767_01 | OG4 |
                          <sup>1001</sup>--Leuniv_Lniv_scaffold4770_01 | OG4 |
                      •Plajan_Pjan_scaffold23040_01 | OG2 |
                   Ocar g6947 | OG2 |
                Opea_EP00118_Oscarella_pearsei_P024558 | OG2 |
                   Bralan_BLAG06000799_1 | OG2 |
                   •Hsap_ENST00000278572 | OG2
                     •Skow_XM_006821848.1 | OG2 |
                           •Sanmal_Sma_011032-T1 | OG2 |
       41
                           r•Nemnom_g7967.t1 | OG2 |
                     100
                        <sup>100</sup> Rhoesc_Res_000771-T1 | OG2 |
                  100
                           •Morvir_scaffold123.g3.t1 | OG2 |
                               •Hvul_g10540_1 | OG2 |
                                       -Chem_TCONS_00004268 | OG2 |
         85
                         •Dgig_XM_028547043.1 | OG2 |
                          <sub>-</sub>-Xesp_025415-T1 | OG2 |
                    100
                       <sup>100</sup> Xesp_015647-T1 | OG2 |
                           •Nvec_v1g158071 | OG2 |
                          Amil_Amillepora08096-RA | OG2 |
                       <sup>100</sup> Adig_XM_015903310.1 | OG2 |
                         <sub>|</sub>•Gfas_gfas1.m1.6790.m1 | OG2 |
                           <sub>|</sub>-Gasp_gasp1.m3.11597.m1 | OG2 |
                               <sub>[</sub>•Fspp_ffun1.m4.13971.m1 | OG2 |
                                 Spis_XP_022795354_1 | OG2 |
                               <sup>1001</sup>•Pocdam_XM_027198360.1 | OG2 |
                       •Spur_XM_793211.5 | OG2 |
                          •Acagra_model.g12771.t1 | OG2 |
                           -Lcom_lcpid131679 | OG2 |
                     45
                            -Cgig_XM_011440006.3 | OG2 |
                         98 Lcom_lcpid150743 | OG2 |
                   42
                           •Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA171942 | OG2 |
              86
                                   •Tcas_TC008261_001 | OG2 |
                               •Lcom_lcpid139035 | OG2 |
                                   •Clacor_Ccor_C520779_01 | OG2 |
                            100
                                    _-Lcom_lcpid148408 | OG2 |
                                 98 Leuniv_Lniv_C772303_01 | OG2 |
                               •Cscu_XM_023373672.1 | OG2 |
                           •Lcom_lcpid134067 | OG2
                             •Lcom_lcpid129937 | OG2 |
                                •Dpul_mRNA22248 | OG2 |
                                     <sub>f</sub>Spolac_c92638_g1_i1_m.8023c92638-g1 | OG2 |
                       66
                                       •Emue_Em0022g493a.t1 | OG2 |
                                       •Tetwil g12323.t1 | OG2 |
                            99
                                                  •Stycar augustus masked-SC scaffold38338-processed-gene-0.8-mRNA-1 | OG2 |
                              97
                                        Xestes maker-XT scaffold122656-augustus-gene-0.8-mRNA-1 | OG2 |
                                92
                                         <sub>f</sub>Halamb_c32597_g1_i1m.7200 | OG2 |
                                              -•Aque_Aqu2.1.26386_001 | OG2 |
                     46
                                         <sup>1001</sup>─-Halamb_c44972_g1_i1m.18273 | OG2 |
                                    •Lcom_lcpid142467 | OG2 |
                                 Lcom_lcpid169104 | OG2 |
                               <sup>98</sup> —•Lcom_lcpid215129 | OG2 |
                                    Leuniv Lniv C780799 01 | OG2 |
                       56
                                             -Skow XM 006815847.1 | OG2 |
                                           •HoiH11_mRNA1755 | OG2 |
                                                TrH2_TrispH2_008401-RA | OG2 |
                                        100
                         38
                                              <sup>100</sup> Tadh_TriadT38207 | OG2 |
                                               -HoiH06 mRNA11233 | OG2 |
                                                     -Hhon_g08423.t1 | OG2 |
                                                     <sub>!</sub>+HoiH23_PIH23_009145-RA | OG2 |
                                                  <sup>100</sup> HoiH04_mRNA12596 | OG2 |
                                         [Eupdun_Edun_sb10633106 | OG2 |
                                      <sup>1001</sup>-Eupdun Edun_sb10633107 | OG2 |
                                          Pbac sb2666002 | OG2 |
                                       100 Horcal Hcv1.av93.c4.g698.i1 | OG2 |
                                 100
                                             -Vmul_SimC382538 | OG2 |
                                              Coeast Cast sb784679 | OG2 |
                                           100 Plespi Pspi_C591386_01 | OG2 |
                                              Bolinf Binf sb1297782 | OG2 |
                                                Mertsp_Mesp_sb608986 | OG2 |
                                              78 Drygla_Dgla_sb277280 | OG2 |
                                                 •Vmul_sbMO384920 | OG2 |
                                                  Beraby_Baby_sb325577 | OG2 |
                                                 66 Drygla Dgla sb279399 | OG2 |
                                                   Coeast Cast sb770973 | OG2 |
                                                    Mertsp_Mesp_sb569710 | OG2 |
                                                100
                                                   86 Bolinf_Binf_sb1223565 | OG2 |
                                                    Mlei_ML2131.g5.i1 | OG2 |
                                                  <sup>95</sup> Coeast Cast sb782203 | OG2 |
                                                     Bolinf_Binf_sb1229851 | OG2 |
                                                       Bolinf_Binf_sb1229850 | OG2 |
                                                     <sup>91</sup> Mertsp_Mesp_sb557998 | OG2 |
```

0.416667