```
•Lcom_lcpid244740 | OG0 |
                         •Xestes_augustus_masked-XT_scaffold62246-processed-gene-0.2-mRNA-1 | OG0 |
                                  •Spis_XP_022778449_1 | OG0 |
                              •Aaur_scaffold263.g9.t1 | OG0 |
               Clacor Ccor C541087 01 | OG1 |
               •Lcom lcpid79293 | OG1 |
                  •Leuniv_Lniv_scaffold8121_01 | OG1 |
           99
                     •Gracom_Gcom_C555362_01 | OG1 |
    42
                      •Scil_scict004567.1 | OG1 |
                        •Lcom_lcpid235295 | OG6 |
                                   -Lcom | lcpid229396 | OG3 |
        78
                       •Eupdun_Edun_sb10632805 | OG3 |
           59
                          •Pbac_sb2649349 | OG3 |
                       Horcal_Hcv1.av93.c5.g648.i1 | OG3 |
                  100
             98
                         -Pbac sb2649350 | OG3 |
                               •Pbac sb2647694 | OG3 |
               91
                       Coemet Cmet scaffold21030 01 | OG3 |
                         •Lampan_Lpan_5059_01 | OG3 |
                  79
                              •Drygla_Dgla_sb276700 | OG3 |
                             Mertsp_Mesp_sb566490 | OG3 |
                    65
                          90<sup>1</sup>-Mertsp_Mesp_sb566489 | OG3 |
                             Bolinf_Binf_sb1226886 | OG3 |
                      49
                               Bolinf_Binf_sb1226885 | OG3 |
                             <sup>82</sup> Beraby_Baby_sb328611 | OG3 |
                                Mlei ML0504.g2.i1 | OG3 |
                                 Mertsp Mesp sb542366 | OG3 |
                              <sup>100</sup> Bolinf_Binf_sb1226515 | OG3 |
                   •Morvir_scaffold798.g1.t1 | OG2 |
                    •Chem_TCONS_00056981 | OG2 |
                   •Hvul_g9299_1 | OG2 |
                   •Morvir_scaffold34.g97.t1 | OG2 |
                      •Morvir_scaffold1472.g1.t1 | OG2 |
                      •Sanmal_Sma_013912-T1 | OG2 |
                      •Aaur_scaffold993.g3.t1 | OG2 |
                      -Nemnom g3608.t1 | OG2 |
      36
                   <sup>99</sup>-Rhoesc_Res_009388-T1 | OG2 |
                   •Plajan_Pjan_C565944_01 | OG2 |
                  95
               <sup>100</sup> Ocar_g4221 | OG2 |
        42
                     Lcom Icpid168481 | OG2 |
                         •Plespi_Pspi_scaffold1090_01 | OG2 |
          60
                      <sup>100</sup> Plespi Pspi_scaffold1094_01 | OG2 |
                          Xestes_augustus_masked-XT_scaffold278-processed-gene-0.4-mRNA-1 | OG2 |
             37
                         •Tetwil_g23904.t2 | OG2 |
               33
                           Stycar_augustus_masked-SC_scaffold4988-processed-gene-0.2-mRNA-1 | OG2 |
                             •Spolac_c103587_g1_i3_m.35010c103587-g1 | OG2 |
                 41
                                Spolac_c103587_g1_i1_m.35005c103587-g1 | OG2 |
                                     Xestes_maker-XT_scaffold85729-snap-gene-0.18-mRNA-1 | OG2 |
                   44
                                           •Aque_Aqu2.1.27804_001 | OG2 |
                             -Xestes_maker-XT_scaffold85729-augustus-gene-0.17-mRNA-1 | OG2 |
                               Xestes_maker-XT_scaffold6044-augustus-gene-0.37-mRNA-1 | OG2 |
                                 -Halamb_c53888_g1_i2m.36751 | OG2 |
                          69
                                    •Aque_Aqu2.1.27801_001 | OG2 |
                            92
                                                 •Aque_Aqu2.1.12204_001 | OG2 |
                                96
                                           <sub>"</sub>Aque_Aqu2.1.02638_001 | OG2 |
                                        <sup>1001</sup>•Aque_Aqu2.1.12201_001 | OG2 |
                   •Exapal XM 021041776.2 | OG4 |
                     •Morvir scaffold628.g1.t1 | OG4 |
                       •Xesp_003062-T1 | OG4 |
                      •Dgig_XM_028551072.1 | OG4 |
                     •Nvec_v1g103908 | OG4 |
        61
                   Nvec_v1g175287 | OG4 |
                         _v1g221956 | OG4 |
                            •Lcom_lcpid252662 | OG4 |
          92
                    •Gfas_gfas1.m1.15466.m1 | OG4 |
                       •Amil_Amillepora01756-RA | OG4 |
                        Adig XM 015914268.1 | OG4 |
                      96<sup>1</sup>-Adig XM 015914267.1 | OG4 |
               84
                     •Fspp_ffun1.m4.8981.m1 | OG4 |
                     Pocdam_XM_027192186.1 | OG4 |
      48
                        •Spis XP 022799310 1 | OG4 |
                     <sup>55</sup>-Gasp_gasp1.m3.10283.m1 | OG4 |
                   •Hsap_ENST00000636879 | OG5 |
                      r-Tadh_wf_g3009.t1 | OG5 |
                        TrH2 TrispH2 002580-RA | OG5 |
          62
                      80<sup>1</sup>Tadh_TriadT35608 | OG5 |
                100
                      •HoiH11 mRNA3260 | OG5 |
                           <sub>!</sub>•HoiH23_PIH23_001119-RA | OG5 |
                        <sup>100</sup><sup>1</sup>•HoiH06_mRNA10215 | OG5 |
        32
                     100
                           Hhon g00571.t1 | OG5 |
                        100 HoiH04 mRNA12529 | OG5 |
                     Spur_XM_030976900.1 | OG5 |
                       •Skow_XM_006819742.1 | OG5 |
          83
                      Bralan_BLAG02001256_1 | OG5 |
                          •Acagra_model.g10552.t1 | OG5 |
             80
                            •Lcom_lcpid140421 | OG5 |
                   98
               65
                              Lcom_lcpid239441 | OG5 |
                     86
                               •Cgig_XM_011428286.3 | OG5 |
                          <sup>93</sup> Lcom_lcpid245628 | OG5 |
                          •Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA179534 | OG5 |
                                -Tcas_TC005191_001 | OG5 |
                                    •Dpul_mRNA12273 | OG5 |
                   79
                               <sup>100</sup> Dpul_mRNA9743 | OG5 |
                                  •Tetwil_g15984.t1 | OG5 |
                              Cscu_XM_023376549.1 | OG5 |
                                  •Cscu_XM_023376538.1 | OG5 |
                              <sup>1001</sup>Cscu XM_023376539.1 | OG5 |
0.416667
```