```
Nvec v1g108550 | OG0 |
            -Spis XP 022802861 1 | OG0 |
    100
          <sup>96</sup><sup>1</sup>-Pocdam_XM_027195461.1 | OG0 |
               Gasp gasp1.m3.14020.m1 | OG0 |
       100
            <sup>97</sup>—Fspp_ffun1.m4.20159.m1 | OG0 |
               •Gfas gfas1.m1.10705.m1 | OG0 |
          42
                   Adig_XM_015920452.1 | OG0 |
                     Amil Amillepora15012-RA | OG0 |
                   Amil Amillepora14200-RA | OG0 |
              100
                    -Amil Amillepora14201-RA | OG0 |
                      Amil Amillepora15011-RA | OG0 |
                       --Adig_XM_015920450.1 | OG0 |
                  •Lcom_lcpid152991 | OG0 |
                  •Hsap ENST00000368547 | OG0 |
                     Dgig XM 028552333.1 | OG0 |
                      •Xesp_017551-T1 | OG0 |
    68
                 •Bralan BLAG05000667 1 | OG0 |
                   •Skow XM 002733340.2 | OG0 |
       59
                       Spur NM 001242652.1 | OG0 |
                         •Chem TCONS 00015582 | OG0 |
                             •Hvul_g24837_1 | OG0 |
                                                        •Hvul_g25756_1 | OG0 |
                             •Morvir_scaffold84.g52.t1 | OG0 |
             92
                     100
                                                       •Morvir_scaffold84.g51.t1 | OG0 |
                         •Sanmal Sma 012720-T1 | OG0 |
               98
                          -Nemnom_g1660.t1 | OG0 |
                          -Rhoesc_Res_014401-T1 | OG0 |
              •Acagra_model.g3432.t1 | OG1 |
               Opea_EP00118_Oscarella_pearsei P011360 | OG1 |
                    Ocar g1323 | OG1 |
                 •Clacor_Ccor_C531045_01 | OG1 |
                     •Lcom_lcpid86390 | OG1 |
   65
                      •Gracom_Gcom_C543016_01 | OG1 |
                      Leuniv Lniv scaffold18627 01 | OG1 |
                         --Scil_scict026007.1 | OG1 |
     70
                    Stycar augustus masked-SC scaffold30042-processed-gene-0.0-mRNA-1 | OG1 |
                       -Stycar_maker-SC_scaffold52869-augustus-gene-0.7-mRNA-1 | OG1 |
         75
                  •Tetwil_g12988.t2 | OG1 |
                  Emue Em0023g72a.t1 | OG1 |
             100 Spolac c102303 g1 i1 m.28769c102303-g1 | OG1 |
                     Stycar_maker-SC_scaffold30042-snap-gene-0.8-mRNA-1 | OG1 |
                          Lcom lcpid184787 | OG1 |
                      -Aque_Aqu2.1.32897_001 | OG1 |
                      -Halamb c47289 g1 i1m.22093 | OG1 |
              •Cgig_XM_011447405.3 | OG2 |
              •Lcom_lcpid131145 | OG2 |
     43
                      •Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA183089 | OG2 |
       37
                           TrH2 TrispH2 000994-RA | OG2 |
                        <sup>100</sup> Tadh TriadT52223 | OG2 |
                                -HoiH23_PIH23_010017-RA | OG2 |
                     100
                           <sup>100</sup>1•HoiH06 mRNA2483 | OG2 |
                              •Hhon_g02925.t1 | OG2 |
                            •Cscu XM 023362854.1 | OG3 |
                  •Dpul mRNA20853 | OG3 |
                    •Tcas TC005928 001 | OG3 |
                    •Lcom_lcpid193040 | OG3 |
           68
                          •Plespi Pspi scaffold10566 01 | OG3 |
                                    •Plespi Pspi C574420 01 | OG3 |

    Xestes augustus masked-XT scaffold192055-processed-gene-0.11-mRNA-1 | OG3 |

       45
                                    Stycar_snap_masked-SC_scaffold3484-processed-gene-0.2-mRNA-1 | OG3 |
                                                   →Xestes_augustus_masked-XT_scaffold1/316/-processed-gene-0.4-mRNA-1 | OG3 |
          65
                        •Eupdun_Edun_sb10629005 | OG3 |
                              -Bolinf_Binf_sb1246006 | OG3 |
                           <sup>1001</sup>Bolinf_Binf_sb1246005 | OG3 |
                              -Mlei_ML0381.g3.i1 | OG3 |
                        96
                                    -Beraby_Baby_sb343332 | OG3 |
                                  Drygla Dgla sb288073 | OG3 |
                                   •Mertsp_Mesp_sb571351 | OG3 |
                                      •Coeast_Cast_sb759387 | OG3 |
                                         Horcal_Hcv1.av93.c9.g439.i1 | OG3 |
                               87
                                          -Pbac_sb2646447 | OG3 |
                                         991-Pbac sb2646448 | OG3 |
                                 88
                                         •Vmul_sbMO429381 | OG3 |
                                        Coeast_Cast_sb798775 | OG3 |
                                          Coeast Cast sb798773 | OG3 |
                                        75 Coeast Cast sb798774 | OG3 |
0.416667
```

•Exapal XM 021058491.2 | OG0 |