```
*Tadh TriadT58422 | OG0 |
                        <sup>100</sup> TrH2_TrispH2_011634-RA | OG0 |
                            <sub>e</sub>Hhon_g05687.t1 | OG0 |
                         <sup>100</sup> HoiH04_mRNA10057 | OG0 |
                            -HoiH23 PIH23 011796-RA | OG0 |
                               -HoiH23 PIH23 011830-RA | OG0 |
                                 •HoiH06 mRNA12299 | OG0 |
         100
                     TrH2_TrispH2_012067-RA | OG0 |
                       *Tadh TriadT58423 | OG0 |
                  100
                     1001-TrH2 TrispH2_008547-RA | OG0 |
               100
                        <sub>-</sub>-HoiH23 PIH23 008198-RA|OG0|
                    <sup>100</sup>-HoiH06 mRNA12298 | OG0 |
                       <sub>f</sub>Hhon_g05688.t1 | OG0 |
                     <sup>100</sup> HoiH04 mRNA10059 | OG0 |
 66
                      •Morvir scaffold43.g68.t1 | OG0 |
                               -Hvul g25352 1 | OG0 |
                                 •Chem TCONS 00036152 | OG0 |
     55
               99
                            •Chem_TCONS_00036150 | OG0 |
                     •Sanmal_Sma_016687-T1 | OG0 |
                      Aaur scaffold83.g11.t1 | OG0 |
            100
                100
                        Rhoesc Res 012265-T1 | OG0 |
   51
                   •Xesp_004745-T1 | OG0 |
             100
                   •Dgig_XM_028545141.1 | OG0 |
                        •Nvec_v1g174826 | OG0 |
                       Exapal XM 021044498.2 | OG0 |
              100
                   <sup>1001</sup>•Exapal XM_028656747.1 | OG0 |
                         •Fspp_ffun1.m4.32892.m1 | OG0 |
                          •Gasp_gasp1.m3.8337.m1 | OG0 |
          100
                  100
                         Spis_XP_022794972_1 | OG0 |
                     <sup>100</sup><sup>1</sup>-Pocdam_XM_027185432.1 | OG0 |
               100
                      •Gfas gfas1.m1.18745.m1 | OG0 |
                                •Amil_Amillepora14599-RA | OG0 |
                              Amil Amillepora14651-RA | OG0 |
                  98
                         100
                            100
                            •Adig XM 015901307.1 | OG0 |
                              •Adig XM 015924710.1 | OG0 |
                               -Amil_Amillepora14598-RA | OG0 |
                             74L-Amil_Amillepora14652-RA | OG0 |
                            •Spur_XM_030977755.1 | OG0 |
               100
                        Spur XM 030977757.1 | OG0 |
                            -Hsap ENST00000374282 | OG0 |
            96
                        •Hsap_ENST00000274793 | OG0 |
                        •Bralan_BLAG11000908_1 | OG0 |
                     Skow XM 006815887.1 | OG0 |
                            •Skow XM 006815889.1 | OG0 |
                                 Acagra model.g18486.t1 | OG0 |
                      •Cgig_XM_011424200.3 | OG0 |
                      Acagra model.g18488.t1 | OG0 |
     67
                                •Tcas TC006223 001 | OG0 |
                             •Cscu XM 023385760.1 | OG0 |
                           •Dpul_mRNA29451 | OG0 |
 66
                               •Dpul_mRNA29452 | OG0 |
                     100
                                •Dpul mRNA29453 | OG0 |
                         Opea_EP00118_Oscarella_pearsei_P013006 | OG0 |
                          Opea EP00118 Oscarella pearsei P013007 | OG0 |
                        66 Ocar_g9707 | OG0 |
                            •Plespi_Pspi_scaffold2892_01 | OG0 |
                              •Aque Aqu2.1.29343 001 | OG0 |
   79
                   100
                            •Halamb c50658 g2 i2m.28826 | OG0 |

    Xestes augustus masked-XT scaffold1721-processed-gene-0.1-mRNA-1 | OG0 |

                  100
                                •Halamb_c43219_g1_i3mm.1246 | OG0 |
       84
                                -Aque_Aqu2.1.44109_001 | OG0 |
                               -Halamb_c54743_g1_i4mm.6126 | OG0 |
                       100
               100
                           <sup>1001</sup>-Halamb_c54370_g1_i2mm.5872 | OG0 |
                                -Xestes_maker-XT_scaffold40153-augustus-gene-0.8-mRNA-1 | OG0 |
          99
                  100
                                  Halamb c51951 g1 i6mm.4270 | OG0 |
                          100
                                     -Aque Aqu2.1.28086 001 | OG0 |
                               Xestes maker-XT scaffold128819-augustus-gene-0.3-mRNA-1 | OG0 |
                     84
                          97
                               -Xestes maker-XT_scaffold47054-snap-gene-0.5-mRNA-1 | OG0 |
                               :Xestes_maker-XT_scaffold13022-snap-gene-0.4-mRNA-1 | OG0 |
                                  estes_augustus_masked-XT_scaffold99158-processed-gene-0.1-mRNA-1 | OG0 |
                                 -Xestes_augustus_masked-XT_scaffold19030-processed-gene-0.2-mRNA-1 | OG0 |
                                  Xestes_maker-XT_scaffold183736-augustus-gene-0.3-mRNA-1 | OG0 |
                         •Tetwil_g1693.t1 | OG0 |
                             •Tetwil_g14259.t1 | OG0 |
                    100
                              •Tetwil g1691.t1 | OG0 |
                             -Tetwil_g1692.t1 | OG0 |
                              -Spolac_c104331_g3_i2_m.39737c104331-g3 | OG0 |
                               --Spolac_c104331_g3_i3_m.39738c104331-g3 | OG0 |
               100
                              •Emue_Em0020g62a.t1 | OG0 |
                        100
                                   •Spolac_c87464_g1_i1_m.4210c104331-g3 | OG0 |
                                 -Emue_Em0020g59a.t1 | OG0 |
                  91
                            •Stycar_maker-SC_scaffold1668-snap-gene-0.44-mRNA-1 | OG0 |
                            -Stycar_maker-SC_scaffold68512-snap-gene-0.4-mRNA-1 | OG0 |
                             •Stycar_maker-SC_scaffold43154-augustus-gene-0.5-mRNA-1 | OG0 |
                    100
                                 Stycar_maker-SC_scaffold122254-augustus-gene-0.2-mRNA-1 | OG0 |
                                Stycar_maker-SC_scaffold84645-augustus-gene-0.5-mRNA-1 | OG0 |
                                  Stycar_maker-SC_scaffold1668-augustus-gene-0.39-mRNA-1 | OG0 |
                                    _-Stycar_maker-SC_scaffold43154-snap-gene-0.8-mRNA-1 | OG0 |
                                  <sup>47</sup>└-Stycar_maker-SC_scaffold75865-snap-gene-0.4-mRNA-1 | OG0 |
0.416667
```