```
Stycar_augustus_masked-SC_scaffold10036-processed-gene-0.1-mRNA-1 | OG0 |
                                                              --Emue_Em0005g1324a.t1 | OG0 |
   93
                      -Halamb c41757 g1 i2mm.993 | OG0 |
       95
                          •Aque_Aqu2.1.36144_001 | OG0 |
                            Xestes_maker-XT_scaffold4892-augustus-gene-0.15-mRNA-1 | OG0 |
                    •Plajan Pjan C571680 01 | OG1 |
                       Ocar g4990 | OG1 |
            97
                         Ocar g4989 | OG1 |
                       611Opea_EP00118_Oscarella_pearsei_P025691 | OG1 |
                                                  -Helnan EP00037 Helgoeca nana P014788 | OG1 |
                                             Acaspe EP00035 Acanthoeca spectabilis P009628 | OG1 |
                                                                   •Mbre EDQ85744 | OG1 |
              94
                                         100
                                                            •Choper_EP00045_Choanoeca_perplexa_P013966 | OG1 |
                       100
                                                                 Salinf_EP00049_Salpingoeca_infusionum_P007661 | OG1 |
                                                            •Microa EP00043 Microstomoeca roanoka P025771 | OG1 |
                                                           •Sros EGD79010 | OG1 |
          100
                                       Codhol_EP00042_Codosiga_hollandica_P042469 | OG1 |
                                         -Codhol_EP00042_Codosiga_hollandica_P042470 | OG1 |
                                       Stedip_EP00041_Stephanoeca_diplocostata_P013144 | OG1 |
               85
                                    Salurc EP00051 Salpingoeca urceolata P025129 | OG1 |
                                 <sup>100]</sup>Salurc EP00051 Salpingoeca urceolata P025131 | OG1 |
                   82
                                  Salkve_EP00050_Salpingoeca_kvevrii_P006129 | OG1 |
                                  -Saldol_EP00054_Salpingoeca_dolichothecata_P012402 | OG1 |
                     81
                                         •Mylflu_EP00047_Mylnosiga_fluctuans_P005905 | OG1 |
                                      •Salpun EP00053 Salpingoeca_punica_P015046 | OG1 |

    Salmac EP00052 Salpingoeca macrocollata P001179 | OG1 |

                     •Xesp_002632-T1 | OG1 |
                     •Dgig_XM_028546264.1 | OG1 |
                   •Nvec_v1g241954 | OG1 |
                     Nvec v1g99756 | OG1 |
         99
   93
                      Exapal XM 021052822.2 | OG1 |
                     <sub>•</sub>Adig_XM_015896338.1 | OG1 |
                  <sup>100</sup>Amil Amillepora21486-RA | OG1 |
                    •Gfas gfas1.m1.7133.m1 | OG1 |
                          Spis XP 022788143 1 | OG1 |
                       <sup>100</sup> Pocdam XM 027195585.1 | OG1 |
                         r-Fspp_ffun1.m4.27654.m1 | OG1 |
       57
                       <sup>99</sup> Gasp_gasp1.m3.18551.m1 | OG1 |
                                •Plespi_Pspi_scaffold8910_01 | OG1 |
                                 Clacor Ccor scaffold11956 01 | OG1 |
            33
                                   •Gracom Gcom C538324 01 | OG1 |
                                     -Leuniv_Lniv_scaffold13761_01 | OG1 |
                                       •Lcom_lcpid47338 | OG1 |
         56
                                                                   Stycar_maker-SC_scaffold4344-augustus-gene-0.2-mRNA-1 | OG1 |
                       <sup>30</sup> Hvul g5130_1 | OG1 |
                         Chem TCONS 00013689 | OG1
                      100 Chem TCONS_00016442 | OG1 |
                      •Morvir_scaffold98.g4.t1 | OG1 |
                         Sanmal_Sma_016777-T1 | OG1 |
                         _•Nemnom_g11343.t1 | OG1 |
                       <sup>100</sup>1•Rhoesc Res_012759-T1 | OG1 |
                              •Coemet_Cmet_scaffold11214_01 | OG1 |
                                 -Coeast_Cast_sb771331 | OG1 |
                                  Coeast_Cast_sb771329 | OG1 |
                                 631 Coeast Cast sb771330 | OG1 |
                       100
                                -Lampan_Lpan_15291_01 | OG1 |
                                     •Drygla_Dgla_sb276811 | OG1 |
                          82
                                98 Mlei_ML0052.g21.i1 | OG1 |
                                                    •Pbac_sb2651209 | OG1 |
                                      Horcal_Hcv1.av93.c11.g199.i1 | OG1 |
                                         -Pbac sb2651210 | OG1 |
                                      100 → Pbac sb2640558 | OG1 |
                          <sub>f</sub>HoiH04_mRNA9164 | OG1 |
                        <sup>881</sup>Hhon_g07937.t1 | OG1 |
                            HoiH06_mRNA9973 | OG1 |
                     100
                          96<sup>1</sup>HoiH23 PIH23 003573-RA | OG1 |
                            HoiH11 mRNA4346 | OG1 |
                               *TrH2_TrispH2 005776-RA | OG1 |
                            <sup>100</sup>Tadh TriadT28798 | OG1 |
                                        •Skow NM 001168168.1 | OG1 |
                     70
                                             -Clacor Ccor C509009 01 | OG1 |
                      •Bralan BLAG16000403 5 | OG1 |
              45
                          -Hsap ENST00000338086 | OG1 |
                69
                          -Hsap ENST00000373741 | OG1 |
                         Spur XM 030974199.1 | OG1 |
                               -Cscu XM 023376904.1 | OG1 |
                              •Dpul mRNA27887 | OG1 |
                  100
              80
                                 •Dpul_mRNA27888 | OG1 |
                     100
                                  -Tcas TC005073 001 | OG1 |
                99
                          Ctel gnl WGS AMQN CAPTEDRAFT mRNA180493 | OG1 |
                            •Acagra model.g18764.t1 | OG1 |
                  100
                             •Cgig XM 011424590.3 | OG1 |
                                     •Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA210884 | OG1 |
                                Acagra model.g18763.t1 | OG1 |
0.416667
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