```
Xestes augustus masked-XT scaffold125477-processed-gene-0.0-mRNA-1 | OG0 |
                                   Salinf EP00049 Salpingoeca infusionum P008892 | OG0 |
                        <sup>100</sup> Salinf EP00049 Salpingoeca_infusionum_P008893 | OG0 |
                           •Mbre EDQ90654 | OG0 |
         49
 96
                           •Chofle EP00730 Choanoeca flexa P015172 | OG0 |
               99
                           Choper EP00045 Choanoeca perplexa P013547 | OG0 |
                       <sup>100</sup> Choper EP00045 Choanoeca_perplexa_P013550 | OG0 |
                        •Microa EP00043 Microstomoeca roanoka P024688 | OG0 |
       95
                100
                       •Sros_EGD79390 | OG0 |
                              Didcos EP00039 Didymoeca costata P026995 | OG0 |
                                Codhol EP00042 Codosiga hollandica P041290 | OG0
                                   -Codhol_EP00042_Codosiga_hollandica_P041293 | OG0 |
         24
                             100
                                      Codhol EP00042 Codosiga hollandica P041292 | OG0 |
                                100
                                   1001Codhol_EP00042_Codosiga_hollandica_P041294 | OG0 |
                               Diagra EP00040 Diaphanoeca grandis P029131 | OG0 |
           58
                                      Stedip EP00041 Stephanoeca diplocostata P011067 | OG0 |
                    100
                                     Acaspe EP00035 Acanthoeca spectabilis P013317 | OG0 |
                                       Helnan EP00037 Helgoeca nana P009922 | OG0 |
                               Salpun EP00053 Salpingoeca punica P015329 | OG0 |
             64
                                 Salkve EP00050 Salpingoeca kvevrii P020498 | OG0 |
                  66
                                  Salkve EP00050 Salpingoeca kvevrii P020499 | OG0 |
                             100
                               <sup>54</sup> Salkve_EP00050_Salpingoeca_kvevrii_P020497 | OG0 |
                                   Saldol EP00054 Salpingoeca dolichothecata P006466 | OG0 |
                64
                                 <sub>'</sub>Salmac_EP00052_Salpingoeca_macrocollata_P009261 | OG0 |
                                     Salmac_EP00052_Salpingoeca_macrocollata_P009262 | OG0 |
                                      Salurc EP00051 Salpingoeca urceolata P013461 | OG0 |
                  50
                                        Salurc_EP00051_Salpingoeca_urceolata_P013464 | OG0 |
                    36
                                      Mylflu_EP00047_Mylnosiga_fluctuans_P014123 | OG0 |
                                   100<sup>1</sup> -•Mylflu EP00047 Mylnosiga_fluctuans_P014124 | OG0 |
              •Tcas TC033432 001 | OG1 |
                •Cscu XM 023353584.1 | OG1 |
      62
                •Dpul_mRNA4901 | OG1 |
                         •Eupdun_Edun_sb10610769 | OG1 |
                             •Coeast_Cast_sb762886 | OG1 |
                         1001-Coemet Cmet_C601659_01 | OG1 |
                       100
                100
                             •Vmul sbMO424211 | OG1 |
                          <sup>1001</sup>Vmul_Simscaffold6347_01 | OG1 |
   51
                            Horcal Hcv1.av93.c9.g714.i1 | OG1 |
                    100
                               •Pbac_sb2662086 | OG1 |
                            <sup>991</sup>•Pbac sb2664925 | OG1 |
                       58
                               Beraby Baby sb345417 | OG1 |
                                •Mlei_ML4182.g4.i1 | OG1 |
                         60
      71
                                    Mertsp Mesp sb544006 | OG1 |
                                  •Drygla_Dgla_sb292446 | OG1 |
                  •Ctel gnl WGS AMQN_CAPTEDRAFT_mRNA172150 | OG1 |
                      •Skow XM 002732057.2 | OG1 |
              23
                          Cgig_XM_011439535.3 | OG1 |
                       •Bralan_BLAG01002000_1 | OG1 |
            75
                           •Bralan_BLAG01001563_1 | OG1 |
        79
              90
                         Acagra model.g14715.t1 | OG1 |
                      <sup>100</sup>-Acagra model.g14715.t1.1.5d3b87d7 | OG1 |
                       Spur_XM_788723.4 | OG1 |
              82
                         •Hsap_ENST00000202967 | OG1 |
                            Dgig_XM_028544620.1 | OG1 |
                      100
                              •Xesp 004502-T1 | OG1 |
                             •Nvec v1g190741 | OG1 |
                      99
                79
                                 •Exapal_XM_021037913.2 | OG1 |
                            •Adig_XM_015924063.1 | OG1 |
            53
                   100
                         100
                              -Amil_Amillepora22442-RA | OG1 |
                            <sup>99</sup> Adig_XM_015924061.1 | OG1 |
                      100
                              •Gfas_gfas1.m1.8002.m1 | OG1 |
                                -Spis_XP_022787591_1 | OG1 |
                         99
                                  Pocdam_XM_027201741.1 | OG1 |
              61
                           99
                                  -Gasp_gasp1.m3.8365.m1 | OG1 |
                              <sup>100</sup><sup>1</sup>-Fspp_ffun1.m4.8788.m1 | OG1 |
                               Opea_EP00118_Oscarella_pearsei_P002346 | OG1 |
                                Ocar_g8517 | OG1 |
                                 -Lcom_lcpid57906 | OG1 |
                                   -Leuniv_Lniv_C807880_01 | OG1 |
                         100
                                       Gracom_Gcom_scaffold2230_01 | OG1 |
                67
                                   •Scil_scict014301.1 | OG1 |
                                     -Chem_TCONS_00017752 | OG1 |
                         98
                                    •Hvul_g1960_1 | OG1 |
                                      •Morvir_scaffold289.g16.t1 | OG1 |
                       99
                                     Sanmal_Sma_019108-T1 | OG1 |
                          99
                                    Aaur_scaffold584.g9.t1 | OG1 |
                             100
                                      •Nemnom_g19007.t1 | OG1 |
                                      -Rhoesc_Res_006229-T1 | OG1 |
                                   •Plespi_Pspi_scaffold19662_01 | OG1 |
                     84
                                        -Aque_Aqu2.1.33680_001 | OG1 |
                                        •Halamb_c33180_g1_i1m.7512 | OG1 |
                         97
                                          -Xestes_maker-XT_scaffold144003-snap-gene-0.24-mRNA-1 | OG1 |
                            100
                                       •Tetwil_g5297.t1 | OG1 |
                                          •Spolac_c91982_g1_i1_m.7412c91982-g1 | OG1 |
                               92
                                         -Emue_Em0015g1204a.t1 | OG1 |
                                        TrH2 TrispH2 006893-RA | OG1 |
                                     <sup>100</sup> Tadh TriadT59014 | OG1 |
                                         •HoiH11_mRNA6660 | OG1 |
                                  100
                                             <sub>!</sub>•HoiH23_PIH23_006959-RA | OG1 |
                                          <sup>100</sup> HoiH06_mRNA7306 | OG1 |
                                             Hhon_g02720.t1 | OG1 |
                                          100 HoiH04 mRNA5267 | OG1 |
0.416667
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