```
Gfas_gfas1.m1.4061.m1 | OG0 |
    •Adig_XM_015892651.1 | OG0 |
    Amil_Amillepora04919-RA | OG0 |
                                                      •Xesp_008481-T1 | OG0 |
Fspp ffun1.m4.16391.m1 | OG1 |
     Gasp_gasp1.m3.24819.m1 | OG1 |
      •Spis_XP_022786566_1 | OG1 |
    <sup>991</sup>•Pocdam_XM_027189878.1 | OG1 |
37
          •Exapal_XM_021038232.1 | OG1 |
              •Dgig_XM_028552499.1 | OG1 |
  43
         99
                    •Xesp 008478-T1 | OG1 |
                      •Chem_TCONS_00001244 | OG1 |
               78
                             •Hvul_g3016_1 | OG1 |
    45
                      •Morvir_scaffold39.g120.t2 | OG1 |
            78
                          •Sanmal_Sma_017669-T1 | OG1 |
              96
                        Rhoesc Res 002253-T1 | OG1 |
                 100
                         Nemnom_g8536.t1 | OG1 |
      48
                      100 Nemnom_g11614.t1 | OG1 |
                      •Spur_XM_785297.5 | OG1 |
                   Skow XM 002730732.2 | OG1 |
                       •Ctel gnl WGS AMQN CAPTEDRAFT mRNA177417 | OG1 |
                                                            --Tcas_TC001111_001 | OG1 |
            63
                 59
                                      -Cscu_XM_023388746.1 | OG1 |
        98
                        •Bralan_BLAG15000484_1 | OG1 |
                   92
                             •Hsap ENST00000265191 | OG1 |
                         •Acagra_model.g4352.t1 | OG1 |
                           •Lcom_lcpid164723 | OG1 |
                        Cgig_XM_011451278.3 | OG1 |
                          •Lcom lcpid201463 | OG1 |
                                 Hhon_g05379.t1 | OG1 |
                               <sup>981</sup>HoiH04_mRNA9833 | OG1 |
                                    TrH2_TrispH2_001812-RA | OG1 |
                            100
                                  <sup>100</sup> Tadh_TriadT50304 | OG1 |
                                   <sub>-</sub>HoiH23_PIH23_000308-RA | OG1 |
                                 <sup>92</sup> HoiH06 mRNA9326 | OG1 |
                              Opea EP00118 Oscarella pearsei P005667 | OG1 |
                      100
                              •Plajan_Pjan_C545863_01 | OG1 |
                                             Clacor Ccor scaffold13553 01 | OG1 |
                                               •Lcom_lcpid72395 | OG1 |
                       65
                                                     •Gracom_Gcom_scaffold11778_01 | OG1 |
                  46
                                  94
                                                 •Scil_scict005492.1 | OG1 |
                                         Salinf_EP00049_Salpingoeca_infusionum_P008176 | OG1 |
                                        •Sros_EGD74368 | OG1 |
             69
                              95
                                         •Microa_EP00043_Microstomoeca_roanoka_P012683 | OG1 |
                            98
                                              •Mbre EDQ85255 | OG1 |
                                         •Choper_EP00045_Choanoeca_perplexa_P023070 | OG1 |
                                       •Chofle_EP00730_Choanoeca_flexa_P018067 | OG1 |
                        78
                                    Saldol_EP00054_Salpingoeca_dolichothecata_P012257 | OG1 |
                                          Saldol_EP00054_Salpingoeca_dolichothecata_P012256 | OG1 |
                                  100
                                     100
                                              Saldol_EP00054_Salpingoeca_dolichothecata_P012255 | OG1 |
                          63
                                        Salpun_EP00053_Salpingoeca_punica_P001659 | OG1 |
                                        •Mylflu_EP00047_Mylnosiga_fluctuans_P004273 | OG1 |
                                            Salmac_EP00052_Salpingoeca_macrocollata_P003244 | OG1 |
                              66
                                                •Codhol_EP00042_Codosiga_hollandica_P050978 | OG1 |
                                               Salurc EP00051 Salpingoeca urceolata P033913 | OG1 |
                                 56
                                                          Salkve EP00050 Salpingoeca kvevrii P012428 | OG1 |
                                                        •Didcos_EP00039_Didymoeca_costata_P019755 | OG1 |
                                      70
                                                            •Diagra_EP00040_Diaphanoeca_grandis_P044830 | OG1 |
                                          100
                                                           •Acaspe_EP00035_Acanthoeca_spectabilis_P021560 | OG1 |
                                                       <sup>100</sup> Helnan_EP00037_Helgoeca_nana_P012972 | OG1 |
                                       Xestes maker-XT scaffold137203-augustus-gene-0.43-mRNA-1 | OG1 |
                                      Ague Agu2.1.15474 001 | OG1 |
                                     --Halamb_c44752_g1_i1m.17960 | OG1 |
                              -Stycar_maker-SC_scaffold6824-snap-gene-0.74-mRNA-1 | OG1 |
                      100
                               •Stycar_maker-SC_scaffold68967-snap-gene-0.2-mRNA-1 | OG1 |
                                     •Tetwil g12813.t2 | OG1 |
                         86
                                     •Emue_Em0010g259a.t1 | OG1 |
                                 <sup>100</sup><sup>L</sup>•Spolac_c77413_g1_i1_m.1879c77413-g1 | OG1 |
                               •Vmul_sbMO421045 | OG1 |
                               Coemet_Cmet_scaffold19287_01 | OG1 |
                        100
                                -Lampan_Lpan_C401821_01 | OG1 |
                                    •Eupdun Edun sb10636000 | OG1 |
                           94
                                       Drygla Dgla sb304288 | OG1 |
                             72
                                           Horcal_Hcv1.av93.c1.g178.i1 | OG1 |
                                            -Pbac sb2650657 | OG1 |
                                          Mlei_ML2083.g3.i1 | OG1 |
                                             *Bolinf Binf sb1265949 | OG1 |
                                              Mertsp_Mesp_sb567609 | OG1 |
                                                Mertsp_Mesp_sb567610 | OG1 |
                                 98
                                               65 Bolinf_Binf_sb1265953 | OG1 |
                                        Beraby_Baby_sb333822 | OG1 |
                                          Drygla Dgla sb275007 | OG1 |
                                            Mertsp_Mesp_sb526841 | OG1 |
                                           36 Bolinf_Binf_sb1206950 | OG1 |
                                        Mertsp_Mesp_sb559406 | OG1 |
                                         *Bolinf_Binf_sb1260959 | OG1 |
                                           Mertsp Mesp sb559407 | OG1 |
                                          <sup>77</sup> -Mertsp Mesp sb559408 | OG1 |
```

0.416667