```
-Microa_EP00043_Microstomoeca_roanoka_P003936 | OG0 |
        100
                Sros EGD79045 | OG0 |
                       •Mbre_EDQ85705 | OG0 |
     98
                 Choper_EP00045_Choanoeca_perplexa_P011121 | OG0 |
        100
                    Chofle EP00730 Choanoeca flexa P010065 | OG0 |
                     Choper EP00045 Choanoeca perplexa P011118 | OG0 |
 59
                          •Codhol_EP00042_Codosiga_hollandica_P059161 | OG0 |
         68
                                                   -Aque_Aqu2.1.08084_001 | OG0 |
                      ·Salurc_EP00051_Salpingoeca_urceolata_P015423 | OG0 |
   73
                        -Salmac_EP00052_Salpingoeca_macrocollata_P000687 | OG0 |
       62
                         Salpun EP00053 Salpingoeca punica P011632 | OG0 |
                   Saldol EP00054 Salpingoeca dolichothecata P018619 | OG0 |
     66
                       Stedip_EP00041_Stephanoeca_diplocostata_P013159 | OG0 |
       66
                  Stedip_EP00041_Stephanoeca_diplocostata_P013160 | OG0 |
                       Acaspe EP00035 Acanthoeca spectabilis P023193 | OG0 |
          99
                      Helnan EP00037 Helgoeca nana P018454 | OG0 |
                         Diagra EP00040 Diaphanoeca_grandis_P008649 | OG0 |
            94
                               •Didcos_EP00039_Didymoeca_costata_P019560 | OG0 |
                Salkve EP00050 Salpingoeca kvevrii P013654 | OG1 |
                  Salkve EP00050 Salpingoeca kvevrii P013655 | OG1 |
                        Salinf EP00049 Salpingoeca infusionum P002546 | OG1 |
    62
                           -Horcal Hcv1.av93.c6.g920.i1 | OG1 |
                        <sup>100</sup> Pbac sb2669463 | OG1 |
      70
                                •Coemet_Cmet_C598847_01 | OG1 |
                100
                       100
                                  Vmul sbMO420275 | OG1 |
                                •Lampan Lpan 15115 01 | OG1 |
                   93
                              Mertsp_Mesp_sb523775 | OG1 |
                     98
                                    Bolinf_Binf_sb1230886 | OG1 |
                        90
                                 <sup>100</sup> Mertsp_Mesp_sb534271 | OG1 |
                          100
                                    Beraby_Baby_sb347750 | OG1 |
                                 <sup>100</sup> Beraby_Baby_sb347751 | OG1 |
 59
                  •Clacor Ccor C535781 01 | OG1 |
                    Lcom_lcpid148632 | OG1 |
        99
                 100 Lcom_lcpid61132 | OG1 |
                      Gracom Gcom_scaffold14671_01 | OG1 |
              100
                         •Leuniv Lniv scaffold12452 01 | OG1 |
                                      -Scil scict022557.1 | OG1 |
                  Opea_EP00118_Oscarella_pearsei_P013722 | OG1 |
        100
                  •Plajan Pjan C559207 01 | OG1 |
                                                    -Aque_Aqu2.1.21901_001 | OG1 |
   75
                            •Plespi Pspi C582142 01 | OG1 |
                            TrH2 TrispH2 000803-RA | OG1 |
              64
                         <sup>100</sup> Tadh TriadT30639 | OG1 |
                               <sub>I</sub>•HoiH23_PIH23_003871-RA | OG1 |
          84
                      100
                            <sup>[100]</sup>-HoiH06 mRNA962 | OG1 |
                         100
                               Hhon g06348.t1 | OG1 |
                            <sup>100</sup> HoiH04_mRNA8963 | OG1 |
     59
                               -Xestes_maker-XT_scaffold670-augustus-gene-0.17-mRNA-1 | OG1 |
                                    •Halamb_c48830_g1_i2mm.2804 | OG1 |
                        99
                            89
                                       -Aque Aqu2.1.00460 001 | OG1 |
                          86
                                    -Aque Aqu2.1.21900 001 | OG1 |
                                      Aque_Aqu2.1.21912_001 | OG1 |
                94
                                    99 Aque_Aqu2.1.21913_001 | OG1 |
                                •Plespi_Pspi_scaffold18090_01 | OG1 |
                                 Stycar_maker-SC_scaffold4806-snap-gene-0.47-mRNA-1 | OG1 |
                   88
        88
                            100 L
                                Stycar snap masked-SC scaffold130547-processed-gene-0.2-mRNA-1 | OG1 |
                     68
                                  •Spolac_c87896_g1_i1_m.4581c2746-g1 | OG1 |
                                    -Spolac_c2746_g1_i1_m.71c2746-g1 | OG1 |
                                <sup>100</sup><sup>1</sup>-Emue_Em0021g27a.t1 | OG1 |
                       •Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA229052 | OG1 |
                         Skow XM 006822889.1 | OG1 |
            93
                99
                          -Spur XM 775211.5 | OG1 |
                                 _BLAG14000430_1 | OG1 |
                                •Hsap_ENST00000352410 | OG1 |
                                 •Bralan_BLAG12000460_1 | OG1 |
                                Cscu XM 023388001.1 | OG1 |
                                     -Tcas TC007395 001 | OG1 |
          73
                      86
                                      •Dpul_mRNA9984 | OG1 |
                                 Chem TCONS 00002240 | OG1 |
               66
                     99
                                •Hvul g25240 1 | OG1 |
                               Morvir scaffold18.g28.t1 | OG1 |
                  99
                               •Sanmal_Sma_015542-T1 | OG1 |
                    100
                                •Nemnom_g5451.t1 | OG1 |
                         100
            65
                             <sup>1001</sup>•Rhoesc_Res_007755-T1 | OG1 |
                              •Dgig XM 028553545.1 | OG1 |
                       100
                                 Xesp 015603-T1 | OG1 |
                                                       •Aaur_scaffold1725.g5.t1 | OG1 |
                                  •Acagra_model.g17026.t1 | OG1 |
                    81
              49
                       99
                                  •Cgig_XM_034474583.1 | OG1 |
                               Exapal XM 021050422.2 | OG1 |
                               -Nvec NVE23482 | OG1 |
                           <sup>100</sup> Nvec_v1g169651 | OG1 |
                              •Spis_XP_022793074_1 | OG1 |
                   99
                              •Pocdam_XM_027193010.1 | OG1 |
                               Fspp ffun1.m4.11194.m1 | OG1 |
                                  Gasp_gasp1.m3.11291.m1 | OG1 |
                                    •Gfas_gfas1.m1.730.m1 | OG1 |
                                       Amil_Amillepora24847-RA | OG1 |
                                     <sup>1001</sup>-Adig_XM_015896609.1 | OG1 |
0.416667
```