```
Sros EGD74660 | OG0 |
       100
               •Microa_EP00043_Microstomoeca_roanoka_P025620 | OG0 |
              Salpun_EP00053_Salpingoeca_punica_P003270 | OG0 |
26
                  Salurc_EP00051_Salpingoeca_urceolata_P004999 | OG0 |
       49
                    Salmac EP00052 Salpingoeca macrocollata P001440 | OG0 |
   64
                         Stedip EP00041 Stephanoeca diplocostata P020293 | OG0 |
                     <sup>1001</sup>Stedip_EP00041_Stephanoeca_diplocostata_P020294 | OG0 |
     63
         83
                    •Didcos_EP00039_Didymoeca_costata_P017726 | OG0 |
                <sup>100</sup> Didcos_EP00039_Didymoeca_costata_P017727 | OG0 |
                         •Mbre EDQ89146 | OG0 |
                        Chofle_EP00730_Choanoeca_flexa_P013317 | OG0 |
            100
                  100
                         •Choper_EP00045_Choanoeca_perplexa_P002303 | OG0 |
                            Stedip_EP00041_Stephanoeca_diplocostata_P020295 | OG0 |
                       Acaspe_EP00035_Acanthoeca_spectabilis_P026161 | OG0 |
             90
                 100
                        •Helnan_EP00037_Helgoeca_nana_P005446 | OG0 |
           79
                                   Diagra EP00040 Diaphanoeca grandis P024959 | OG0 |
                                         Diagra_EP00040_Diaphanoeca_grandis_P025230 | OG0 |
                 98
                                      Acaspe_EP00035_Acanthoeca_spectabilis_P038304 | OG0 |
                             100
                                              •Helnan_EP00037_Helgoeca_nana_P021783 | OG0 |
                                  100
                                      <sup>100</sup> Helnan_EP00037_Helgoeca_nana_P021784 | OG0 |
                                       Xestes_augustus_masked-XT_scaffold17845-processed-gene-0.0-mRNA-1 | OG0 |
                   <u>r</u>Codhol_EP00042_Codosiga_hollandica_P027070 | OG0 |
                <sup>100</sup>-Codhol_EP00042_Codosiga_hollandica_P027069 | OG0 |
                        •Mylflu_EP00047_Mylnosiga_fluctuans_P006539 | OG0 |
   55
                        Salinf_EP00049_Salpingoeca_infusionum_P027573 | OG0 |
     56
                    Salkve EP00050 Salpingoeca kvevrii P008550 | OG0 |
                •Saldol_EP00054_Salpingoeca_dolichothecata_P009344 | OG0 |
                    Saldol_EP00054_Salpingoeca_dolichothecata_P009346 | OG0 |
                 Opea_EP00118_Oscarella_pearsei_P007674 | OG0 |
                    Ocar g5032 | OG0 |
              Plajan Pjan scaffold1405_01 | OG0 |
                      •Plajan Pjan scaffold1404 01 | OG0 |
                     Cscu_XM_023370370.1 | OG0 |
   63
         34
                       Dgig XM 028551854.1 | OG0 |
                  100
                        •Xesp 007493-T1 | OG0 |
           29
                       •Nvec v1g106626 | OG0 |
             99
                          •Exapal_XM_028657909.1 | OG0 |
                  95
     59
                       <sup>1001</sup>•Exapal_XM_021037754.2 | OG0 |
                        •Gfas_gfas1.m1.2052.m1 | OG0 |
                            Amil Amillepora30883-RA | OG0 |
                  100
                         <sup>100</sup> Adig XM_015900549.1 | OG0 |
                            -Spis_XP_022798561_1 | OG0 |
                              •Pocdam_XM_027181278.1 | OG0 |
       56
                            Gasp_gasp1.m3.9319.m1 | OG0 |
                            Fspp ffun1.m4.29248.m1 | OG0 |
                    •Ctel gnl WGS AMQN_CAPTEDRAFT_mRNA183136 | OG0 |
            72
                       Cgig_XM_011426845.3 | OG0 |
                       -Hsap_ENST00000260563 | OG0 |
                                •Tcas_TC010126_001 | OG0 |
                             •Acagra_model.g7373.t1 | OG0 |
                         Bralan BLAG13000977 1 | OG0
                48
                          •Skow_XM_006818499.1 | OG0 |
         23
                            •Spur_XM_030996755.1 | OG0 |
                                •Hvul_g29890_1 | OG0 |
                              •Morvir_scaffold279.g32.t1 | OG0 |
                              •Sanmal Sma 011615-T1 | OG0 |
                                •Nemnom_g11984.t1 | OG0 |
           20
                                •Rhoesc_Res_016837-T1 | OG0 |
               63
                              Clacor_Ccor_scaffold15376_01 | OG0 |
                                  Leuniv Lniv scaffold17460 01 | OG0 |
                   100
                                  Lcom | lcpid62363 | OG0 |
                               100<sup>1</sup> Lcom Icpid97506 | OG0 |
                        100
                                   .euniv Lniv C777706 01 | OG0 |
                                     Gracom_Gcom_scaffold5739_01 | OG0 |
                                    •Scil scict006457.1 | OG0 |
             65
                                 •Plespi Pspi scaffold4668 01 | OG0 |
                                •Xestes augustus masked-XT scaffold181253-processed-gene-0.2-mRNA-1 | OG0 |
                                 •Halamb c51483 g2 i2mm.3997 | OG0 |
                  82
                         100
                                     •Aque_Aqu2.1.33336_001 | OG0 |
                    84
                              •Tetwil g12156.t1 | OG0 |
                               Stycar maker-SC scaffold3253-snap-gene-0.5-mRNA-1 | OG0 |
                                 Emue Em0011g183a.t1 | OG0 |
                              1001-Emue Em0011g189a.t1 | OG0 |
               52
                            100
                                  Spolac_c99462_g1_i1_m.19737c99462-g1 | OG0 |
                               <sup>100</sup>-Spolac c99462 g1 i2 m.19740c99462-g1 | OG0 |
                                Dpul mRNA7629 | OG0 |
                             100 Dpul mRNA5485 | OG0 |
                                        -Coemet_Cmet_scaffold11783_01 | OG0 |
                  70
                                          <sub>_</sub>Coeast_Cast_sb781932 | OG0 |
                                        1001-Coeast Cast sb781933 | OG0 |
                      100
                                    •Lampan Lpan 12488 01 | OG0 |
                                    Eupdun_Edun_sb10633977 | OG0 |
                                 1001-Eupdun Edun_sb10633978 | OG0 |
                                         •Pbac_sb2646295 | OG0 |
                           83
                                     •Mlei ML0287.g7.i1 | OG0 |
                                        Beraby Baby sb346205 | OG0 |
                                100
                                     <sup>100</sup>Beraby Baby sb346206 | OG0 |
                                         Bolinf_Binf_sb1190687 | OG0 |
                                      <sup>100</sup> Mertsp_Mesp_sb561397 | OG0 |
0.416667
```