```
Didcos EP00039 Didymoeca costata P008329 | OG0 |
                     Diagra_EP00040_Diaphanoeca_grandis_P018980 | OG0 |
       100
                            Acaspe EP00035 Acanthoeca spectabilis P003823 | OG0 |
          100
                            •Helnan_EP00037_Helgoeca_nana_P027070 | OG0 |
                         Stedip EP00041 Stephanoeca diplocostata P010951 | OG0 |
              98
                            Stedip EP00041 Stephanoeca diplocostata P010944 | OG0 |
                     100
                          <sup>88]</sup>Stedip_EP00041_Stephanoeca_diplocostata_P010948 | OG0 |
                                       Stedip_EP00041_Stephanoeca_diplocostata_P010947 | OG0 |
                               Stedip_EP00041_Stephanoeca_diplocostata_P010950 | OG0 |
                                 -Stedip EP00041 Stephanoeca diplocostata P010949 | OG0 |
                  Salurc EP00051 Salpingoeca urceolata P006018 | OG0 |
                                             Salinf_EP00049_Salpingoeca_infusionum_P005404 | OG0 |
                                               •Sros_EGD75084 | OG0 |
   95
                                             Microa_EP00043_Microstomoeca_roanoka_P012859 | OG0 |
                                   100
                                          100<sup>1</sup>-Microa EP00043 Microstomoeca_roanoka_P012862 | OG0 |
                 100
                                        •Mbre EDQ87223 | OG0 |
                                    •Choper_EP00045_Choanoeca_perplexa_P008047 | OG0 |
                       100
                                     Chofle_EP00730_Choanoeca_flexa_P019563 | OG0 |
                                       Chofle_EP00730_Choanoeca_flexa_P019561 | OG0 |
                                  100
                                            •Chofle EP00730 Choanoeca flexa P019562 | OG0 |
                   Salkve EP00050 Salpingoeca kvevrii P008807 | OG0 |
    96
                      Saldol_EP00054_Salpingoeca_dolichothecata_P002803 | OG0 |
                  Salmac_EP00052_Salpingoeca_macrocollata_P003666 | OG0 |
        98
                  Salpun_EP00053_Salpingoeca_punica_P010061 | OG0 |
                        Mylflu EP00047 Mylnosiga fluctuans P010200 | OG0 |
     35
                            Codhol_EP00042_Codosiga_hollandica_P039018 | OG0 |
        60
                         <sup>100</sup> Codhol_EP00042_Codosiga_hollandica_P039017 | OG0 |
                  Clacor_Ccor_scaffold6787_01 | OG0 |
                        Clacor Ccor C514213 01 | OG0 |
            100
                       Scil scict025380.1 | OG0 |
               86
                         Lcom Icpid54876 | OG0 |
                  100
   66
                           •Gracom_Gcom_scaffold18852_01 | OG0 |
                       <sup>100</sup><sup>1</sup>-Leuniv_Lniv_scaffold22775_01 | OG0 |
                            -Vmul_SimC398822 | OG0 |
                              <sub>-</sub>Coeast_Cast_sb785224 | OG0 |
                           <sup>100</sup>-Coemet Cmet_scaffold8080_01 | OG0 |
                     100
                            Lampan Lpan 9446 01 | OG0 |
        100
                               Horcal_Hcv1.av93.c7.g589.i1 | OG0 |
                        90
                            <sup>100</sup> Pbac_sb2665690 | OG0 |
                               Drygla_Dgla_sb289278 | OG0 |
                                 -Drygla_Dgla_sb289281 | OG0 |
                                    rDrygla_Dgla_sb289280 | OG0 |
                                 <sup>100</sup> Drygla_Dgla_sb289279 | OG0 |
                       Plespi_Pspi_scaffold19146_01 | OG0 |
                    <sup>100</sup> Plespi Pspi_scaffold19147_01 | OG0 |
                          •Emue Em0006g1007a.t1 | OG0 |
                            Spolac_c102676_g1_i2_m.30485c102676-g1 | OG0 |
                       100
               100
                          <sup>100</sup> Spolac_c102676_g1_i3_m.30486c102676-g1 | OG0 |
                             •Tetwil_g9757.t1 | OG0 |
                  88
                                Stycar maker-SC scaffold6069-augustus-gene-0.31-mRNA-1 | OG0 |
                              •Stycar maker-SC scaffold6069-augustus-gene-0.32-mRNA-1 | OG0 |
                              Aque Aqu2.1.07479 001 | OG0 |
                    76
                                 -Aque_Aqu2.1.22130_001 | OG0 |
                            Nestes_maker-XT_scaffold1496-snap-gene-0.14-mRNA-1 | OG0 |
                                               Ague Agu2.1.02180 001 | OG0 |
                       95
                             Halamb c47150 g1 i1m.21852 | OG0 |
                               •Xestes augustus masked-XT scaffold12801-processed-gene-0.0-mRNA-1 | OG0 |
                               _Aque_Aqu2.1.23748_001 | OG0 |
                             98 - Aque _ Aqu2.1.23749 _ 001 | OG0 |
                          Opea EP00118 Oscarella pearsei P027590 | OG0 |
                       100 Ocar g10022 | OG0 |
                            TrH2 TrispH2 004340-RA | OG0 |
                              adh TriadT23402 | OG0 |
                              <sub>F</sub>HoiH23_PIH23_009493-RA | OG0 |
                      100
               81
                           <sup>100</sup> HoiH06 mRNA6719 | OG0 |
                              Hhon g06247.t1 | OG0 |
                           100 - HoiH04 mRNA17106 | OG0 |
                          Hsap_ENST00000313835 | OG0 |
                 91
                       1001 Hsap_ENST00000314163 | OG0 |
                              •Skow XM 006824985.1 | OG0 |
                                  •Spur XM 030977912.1 | OG0 |
                                                           •Skow XM 006816232.1 | OG0 |
                                 Cscu XM 023365380.1 | OG0 |
                       83
                   86
                                       -Tcas TC010568 001 | OG0 |
                                  Ctel gnl WGS AMQN_CAPTEDRAFT_mRNA190373 | OG0 |
                                    Acagra model.g25210.t1 | OG0 |
                                   •Cgig XM 034447650.1 | OG0 |
                     49
                             •Bralan_BLAG01001382_1 | OG0 |
                                       •Hvul_g14792_1 | OG0 |
                                      Chem TCONS 00008308 | OG0 |
                                      •Morvir scaffold801.g3.t1 | OG0 |
                             99
                       54
                                     •Sanmal_Sma_014056-T1 | OG0 |
                                       -Nemnom_g12307.t1 | OG0 |
                                    <sup>100</sup> Rhoesc_Res_009174-T1 | OG0 |
                         98
                                  →Dgig XM 028551223.1 | OG0 |
                                    •Xesp 003093-T1 | OG0 |
                                    •Nvec_v1g192049 | OG0 |
                                     Exapal_XM_021042818.2 | OG0 |
                                      •Spis_XP_022781897_1 | OG0 |
                                   <sup>100</sup> Pocdam XM 027200793.1 | OG0 |
                                     •Gasp gasp1.m3.28250.m1 | OG0 |
                                         •Gfas_gfas1.m1.4530.m1 | OG0 |
                                          Amil_Amillepora00118-RA | OG0 |
                                       <sup>1001</sup>Adig XM 015903183.1 | OG0 |
0.416667
```