```
Didcos EP00039 Didymoeca costata P030040 | OG0 |
                         Diagra_EP00040_Diaphanoeca_grandis_P017157 | OG0 |
   89
         99
                   •Stedip_EP00041_Stephanoeca_diplocostata_P000958 | OG0 |
      100
                  •Helnan_EP00037_Helgoeca_nana_P002756 | OG0 |
                    Acaspe EP00035 Acanthoeca spectabilis P035124 | OG0 |
 90
                Salpun EP00053 Salpingoeca punica P015765 | OG0 |
      80
                    Salmac_EP00052_Salpingoeca_macrocollata_P013723 | OG0 |
                     •Mylflu_EP00047_Mylnosiga_fluctuans_P014409 | OG0 |
   61
       87
                •Salurc_EP00051_Salpingoeca_urceolata_P030952 | OG0 |
                     •Salkve_EP00050_Salpingoeca_kvevrii_P008207 | OG0 |
     53
                          Saldol EP00054 Salpingoeca dolichothecata P018584 | OG0 |
                     | Saldol_EP00054_Salpingoeca_dolichothecata_P018587 | OG0
       78
                         •Sros_EGD80098 | OG0 |
         87
                            Microa_EP00043_Microstomoeca_roanoka_P014511 | OG0 |
                    100
                               Microa EP00043 Microstomoeca roanoka P014512 | OG0 |
            99
                               •Mbre EDQ85149 | OG0 |
                           •Choper_EP00045_Choanoeca_perplexa_P007943 | OG0 |
                100
                           Chofle EP00730 Choanoeca flexa P005251 | OG0 |
                     100
                         Chofle EP00730 Choanoeca flexa P005252 | OG0 |
                      Codhol EP00042 Codosiga hollandica P025991 | OG0 |
                        Vmul SimC393756 | OG0 |
                   1001-Coemet_Cmet_C596705_01 | OG0 |
                       •Lampan_Lpan_C415111_01 | OG0 |
                100
                           Horcal Hcv1.av93.c2.g194.i1 | OG0 |
                        <sup>100</sup> Pbac_sb2664841 | OG0 |
                   85
                            Bolinf_Binf_sb1237936 | OG0 |
                     67
                             Mertsp_Mesp_sb559823 | OG0 |
                            76 Mertsp_Mesp_sb559822 | OG0 |
                             Beraby_Baby_sb325280 | OG0 |
                                Drygla Dgla sb286128 | OG0 |
                                  •Mlei ML0265.g6.i1 | OG0 |
                                   Bolinf_Binf_sb1242690 | OG0 |
                                <sub>100</sub>• Bolinf_Binf_sb1242692 | OG0 |
      100
                                     Bolinf Binf sb1242689 | OG0 |
                                    <sup>1</sup>•Bolinf Binf sb1242691 | OG0 |
                    Chem_TCONS_00056846 | OG0 |
                     •Hvul_g20625_1 | OG0 |
                     •Morvir_scaffold572.g4.t1 | OG0 |
                      •Sanmal Sma 014308-T1 | OG0 |
                     -Rhoesc Res 009360-T1 | OG0 |
                      -Nemnom_g8224.t1 | OG0 |
                         -HoiH11_mRNA115 | OG0 |
                           Tadh_TriadT23304 | OG0 |
                        <sup>100</sup>1TrH2 TrispH2_002578-RA | OG0 |
         77
                        <sub>r</sub>+HoiH06 mRNA13150 | OG0 |
                          <sub>-</sub>HoiH23_PIH23_001121-RA | OG0 |
                             Hhon_g00569.t1 | OG0 |
                          <sup>100</sup> HoiH04_mRNA12534 | OG0 |
                     •Hsap ENST00000256443 | OG0 |
                         -Xesp 002004-T1 | OG0 |
           52
                        -Dgig_XM_028543167.1 | OG0 |
                           •Exapal_XM_021049177.1 | OG0 |
                          Nvec_v1g130552 | OG0 |
                 96
                     98
                        1001 Nvec v1g6862 | OG0 |
                           Pocdam XM 027189047.1 | OG0 |
             51
                             •Spis_XP_022806789_1 | OG0 |
                              Amil Amillepora27336-RA | OG0 |
                      100
                               -•Adig_XM_015909749.1 | OG0 |
                              •Gfas gfas1.m1.14504.m1 | OG0 |
                              _-Gasp_gasp1.m3.6404.m1 | OG0 |
                             94 Fspp ffun1.m4.24525.m1 | OG0 |
                             -Spur_XM_030976490.1 | OG0 |
                      84
                             •Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA176177 | OG0 |
                             Skow_XM_002741133.2 | OG0 |
                   80
                              -Bralan_BLAG02000322_1 | OG0 |
                                •Cscu_XM_023373150.1 | OG0 |
                      79
                                  •Dpul_mRNA20222 | OG0 |
                                  •Tcas_TC003871_001 | OG0 |
                        81
                                  •Cgig_XM_011414518.3 | OG0 |
                                  Acagra_model.g13364.t1 | OG0 |
                 67
                                <sup>100</sup>-Acagra_model.g13364.t1.1.5d3b873e | OG0 |
                             •Clacor_Ccor_scaffold10398_01 | OG0 |
                               •Gracom_Gcom_scaffold16826_01 | OG0 |
                      100
                                  •Leuniv_Lniv_scaffold897_01 | OG0 |
                                     -Lcom_lcpid11571 | OG0 |
                                    --Scil_scict022589.4 | OG0 |
                    81
                               •Plajan_Pjan_C556149_01 | OG0 |
                                 100
                              100 Ocar_g3544 | OG0 |
                      82
                                 -Plespi_Pspi_scaffold20708_01 | OG0 |
                                  -Tetwil_g3896.t1 | OG0 |
                        100
                                    -Xestes_maker-XT_scaffold13169-augustus-gene-0.64-mRNA-1 | OG0 |
                                      •Halamb_c50167_g1_i6mm.3387 | OG0 |
                               100
                           82
                                       -Aque_Aqu2.1.36497_001 | OG0 |
                                     <sub>-</sub>-Spolac_c79833_g1_i1_m.2471c79833-g1 | OG0 |
                                   <sup>100</sup> -Emue_Em0015g516a.t1 | OG0 |
                                    Stycar_augustus_masked-SC_scaffold127830-processed-gene-0.8-mRNA-1 | OG0 |
                                 1001 Stycar_augustus_masked-SC_scaffold45803-processed-gene-0.2-mRNA-1 | OG0 |
0.416667
```