```
•Didcos_EP00039_Didymoeca_costata_P018947 | OG0 |
        Diagra_EP00040_Diaphanoeca_grandis_P024910 | OG0 |
99
         •Acaspe_EP00035_Acanthoeca_spectabilis_P021394 | OG0 |
  99
     100<sup>1</sup>-Helnan_EP00037_Helgoeca_nana_P025967 | OG0 |
            -Codhol_EP00042_Codosiga_hollandica_P017064 | OG0 |
             Saldol EP00054 Salpingoeca dolichothecata P039335 | OG0 |
           •Salurc_EP00051_Salpingoeca_urceolata_P013040 | OG0 |
  16
              -Mylflu_EP00047_Mylnosiga_fluctuans_P002279 | OG0 |
                 Salmac EP00052 Salpingoeca macrocollata P030739 | OG0 |
                 •Salpun_EP00053_Salpingoeca_punica_P003359 | OG0 |
68
           Salkve EP00050 Salpingoeca kvevrii P020906 | OG0 |
                   -Mbre EDQ84923 | OG0 |
               •Chofle_EP00730_Choanoeca_flexa_P017919 | OG0 |
      100
          <sup>100</sup>L-Choper EP00045_Choanoeca_perplexa_P000788 | OG0 |
    98
                  Salinf_EP00049_Salpingoeca_infusionum_P002760 | OG0 |
                  Sros EGD75776 | OG0 |
         100
                  Microa EP00043 Microstomoeca roanoka P028510 | OG0 |
                     •Microa_EP00043_Microstomoeca_roanoka_P028511 | OG0 |
           •Coemet_Cmet_scaffold20358_01 | OG0 |
       <sup>100</sup><sup>1</sup>⊸Vmul_sbMO473358 | OG0 |
            Eupdun Edun sb10635840 | OG0 |
         <sup>100</sup> Eupdun_Edun_sb10635841 | OG0 |
    100
             •Lampan_Lpan_C406291_01 | OG0 |
                 •Drygla_Dgla_sb293335 | OG0 |
       96
                  Bolinf Binf sb1259696 | OG0 |
                    Bolinf Binf sb1259697 | OG0 |
         68
                      Mertsp_Mesp_sb587937 | OG0 |
                    86 Mertsp_Mesp_sb587938 | OG0 |
                     Bolinf_Binf_sb1225076 | OG0 |
            79
                  <sup>100</sup>Bolinf Binf sb1225077 | OG0 |
                     Vmul sbMO386502 | OG0 |
                  <sup>991</sup>Mlei _ML3463.g3.i1 | OG0 |
                     Beraby_Baby_sb329796 | OG0 |
                  <sup>100</sup> Beraby_Baby_sb329797 | OG0 |
                      Horcal Hcv1.av93.c3.g1051.i1 | OG0 |
                   <sup>100</sup><sup>1</sup> Pbac_sb2642965 | OG0 |
         TrH2 TrispH2 000316-RA | OG0 |
      <sup>100</sup>Tadh TriadT59735 | OG0 |
           <sub>f</sub>Hhon_g06988.t1 | OG0 |
        <sup>1001</sup>HoiH04 mRNA15338 | OG0 |
          HoiH06 mRNA2262 | OG0 |
            <sub>|</sub>-HoiH23_PIH23_000371-RA | OG0 |
          <sup>99</sup><sup>_</sup>•HoiH11_mRNA5576 | OG0 |
            ·Stycar_maker-SC_scaffold6582-augustus-gene-0.9-mRNA-1 | OG0 |
               •Spolac c93025 g1 i1 m.8420c93025-g1 | OG0 |
                Emue Em0088g9a.t1 | OG0 |
92
             <sup>100</sup> Emue_Em0015g342a.t1 | OG0 |
     100
              •Aque_Aqu2.1.20331_001 | OG0 |
                •Xestes_maker-XT_scaffold5837-augustus-gene-0.34-mRNA-1 | OG0 |
          100
             <sup>97</sup>Ū-Halamb_c38266_g1_i1m.10675 | OG0 |
        98
              •Tetwil g13335.t1 | OG0 |
                 Plespi_Pspi_scaffold11609_01 | OG0 |
              <sup>100</sup>Plespi_Pspi_scaffold11610_01 | OG0 |
  90
         100 Ocar_g8310 | OG0 |
             Clacor Ccor scaffold4299 01 | OG0 |
             Lcom_lcpid99326 | OG0 |
        98
               Gracom Gcom scaffold9763 01 | OG0 |
    94
                 Scil_scict023344.1 | OG0 |
               <sup>85</sup> Leuniv_Lniv_scaffold21439_01 | OG0 |
                <sub>Γ•</sub>Hvul g29866 1 | OG0 |
             <sup>100</sup> Chem TCONS_00072059 | OG0 |
                    vir_scaffold175.g36.t1 | OG0 |
                     •Nemnom_g7744.t1 | OG0 |
                 <sup>1001</sup>Rhoesc Res_006889-T1 | OG0 |
                    Aaur_scaffold3770.g1.t1 | OG0 |
                           •Sanmal_Sma_018848-T1 | OG0 |
                    •Tcas_TC015687_001 | OG0 |
                     Cscu_XM_023358838.1 | OG0 |
        94
                         •Dpul mRNA371 | OG0 |
             56
                    Skow XM 006819331.1 | OG0 |
                      •Hsap_ENST00000546588 | OG0 |
                       -Bralan_BLAG01001837_1 | OG0 |
                          •Cgig XM 011415870.3 | OG0 |
           40
                                -Lcom_lcpid200584 | OG0 |
                           <sup>1</sup>00<sup>1</sup>-Acagra_model.g14513.t1 | OG0 |
                  •Spur_XM_791297.5 | OG0 |
                    -Dgig_XM_028540798.1 | OG0 |
                 <sup>100</sup> -Xesp 004985-T1 | OG0 |
                       Exapal XM 021049752.2 | OG0 |
                       •Nvec_v1g182326 | OG0 |
                       Adig_XM_015906922.1 | OG0 |
                         •Amil_Amillepora22304-RA | OG0 |
                             Spis_XP_022781566_1 | OG0 |
                          <sup>100</sup> Pocdam XM_027201729.1 | OG0 |
                            -Gfas_gfas1.m1.598.m1 | OG0 |
                               r-Fspp_ffun1.m4.6229.m1 | OG0 |
                            <sup>100</sup>Ū-Gasp_gasp1.m3.17894.m1 | OG0 |
```