```
Diagra_EP00040_Diaphanoeca_grandis_P032150 | OG0 |
      79
                                    Stedip_EP00041_Stephanoeca_diplocostata_P025143 | OG0 |
           100
                                    -Acaspe_EP00035_Acanthoeca_spectabilis_P021699 | OG0 |
                            100
                                    Helnan EP00037 Helgoeca nana P005838 | OG0 |
                            Salkve EP00050 Salpingoeca kvevrii P014826 | OG0 |
                           Salmac_EP00052_Salpingoeca_macrocollata_P014191 | OG0 |
   100
               100
                                  Salpun_EP00053_Salpingoeca_punica_P019567 | OG0 |
                            Salurc EP00051 Salpingoeca urceolata P018935 | OG0 |

    Saldol EP00054 Salpingoeca dolichothecata P025861 | OG0 |

          69
                                  Mylflu EP00047 Mylnosiga fluctuans P021179 | OG0 |
                              Codhol_EP00042_Codosiga_hollandica_P056869 | OG0 |
                           Codhol EP00042_Codosiga_hollandica_P056873 | OG0 |
                                     Salinf_EP00049_Salpingoeca_infusionum_P012763 | OG0 |
                                         •Microa EP00043 Microstomoeca roanoka P017693 | OG0 |
                  100
                                       Sros EGD77521 | OG0 |
           100
                                 -Mbre_EDQ85859 | OG0 |
                                 •Chofle_EP00730_Choanoeca_flexa_P008244 | OG0 |
                  100
                                   Choper EP00045 Choanoeca perplexa P014665 | OG0 |
                           100
                                      Choper EP00045 Choanoeca perplexa P014663 | OG0 |
                                       Choper EP00045 Choanoeca perplexa P014666 | OG0 |
                                     <mark>831-</mark>Choper_EP00045_Choanoeca_perplexa_P014662 | OG0 |
                                  TrH2_TrispH2_009528-RA | OG0 |
                               100 Tadh_TriadT29738 | OG0 |
                                  •HoiH11 mRNA6732 | OG0 |
                            100
                                    •HoiH04 mRNA6974 | OG0 |
                                      -HoiH23_PIH23_007268-RA | OG0 |
                                   <sup>100</sup>-HoiH06 mRNA4311 | OG0 |
      54
                                     -Lampan_Lpan_C420001_01 | OG0 |
                                     •Coemet Cmet scaffold14195 01 | OG0 |
                                        Drygla Dgla sb286291 | OG0 |
                           100
                                         •Beraby_Baby_sb334149 | OG0 |
                              95
                                           "Horcal_Hcv1.av93.c9.g668.i1 | OG0 |
                                         <sup>991</sup>Horcal _Hcv1.av93.c9.g668.i2 | OG0 |
                                            Pbac sb2642628 | OG0 |
                                         <sup>100</sup> Pbac sb2660411 | OG0 |
                               Xestes_maker-XT_scaffold28245-augustus-gene-0.19-mRNA-1 | OG0 |
                                  •Aque_Aqu2.1.40678_001 | OG0 |
                        100
                                 •Halamb_c51524_g1_i1m.30772 | OG0 |
                100
                               •Tetwil g11121.t1 | OG0 |
                                  •Emue_Em0020g195a.t1 | OG0 |
   100
                                  -Emue_Em0020g194a.t1 | OG0 |
                           100
                                   _Spolac_c104323_g2_i1_m.39698c104323-g1 | OG0 |
         89
                                 89 Spolac_c104323_g2_i2_m.39699c104323-g1 | OG0 |
                            •Plajan_Pjan_scaffold19445_01 | OG0 |
                              Opea EP00118 Oscarella pearsei P006648 | OG0 |
                 100
                           100 Ocar_g667 | OG0 |
                               •Leuniv_Lniv_scaffold21980_01 | OG0 |
                                 Gracom_Gcom_scaffold18608_01 | OG0 |
                       100
                                  •Scil scict003048.2 | OG0 |
                         93
                                    Leuniv Lniv C781735 01 | OG0 |
                                  •Leuniv_Lniv_C772827_01 | OG0 |
                            87
                                   Lcom_lcpid14654 | OG0 |
                                <sup>100</sup>1-Lcom_lcpid48695 | OG0 |
      92
                                                                 •Skow XM 006817832.1 | OG0 |
                           •Hsap ENST00000433931 | OG0 |
                 95
                                    •Hsap_ENST00000355585 | OG0 |
           91
                            •Spur_XM_030993394.1 | OG0 |
              92
                   97
                            •Skow_XM_006812892.1 | OG0 |
                             •Bralan BLAG01000921 1 | OG0 |
                    69
                           Skow XM 006814373.1 | OG0 |
                                 -Cscu_XM_023387534.1 | OG0 |
                                           TC004712_001 | OG0 |
                                           •Dpul_mRNA28484 | OG0 |
                    98
                                  Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA215747 | OG0 |
                                  Acagra model.g607.t1 | OG0 |
         92
                                    •Cgig XM 034452584.1 | OG0 |
                           •Morvir scaffold79.g48.t1 | OG0 |
                                  •Hvul_g25148_1 | OG0 |
                  68
                               •Chem_TCONS_00026809 | OG0 |
               100
                            •Sanmal Sma 022694-T1 | OG0 |
                         Aaur_scaffold7568.g1.t1 | OG0 |
                              -Aaur_scaffold634.g19.t1 | OG0 |
                              <sub></sub>--Rhoesc_Res_004141-T1 | OG0 |
                           <sup>100</sup> -Nemnom_g1493.t1 | OG0 |
           100
                           •Dgig XM 028552687.1 | OG0 |
                     100
                             •Xesp_021632-T1 | OG0 |
                           •Exapal XM 021048854.2 | OG0 |
                            <u>|</u>Nvec_v1g215928 | OG0 |
                    100
              100
                          <sup>100</sup>-Nvec_v1g6982 | OG0 |
                          Adig XM 015895381.1 | OG0 |
                 100
                            -Amil_Amillepora10122-RA | OG0 |
                          99 Adig_XM_015919977.1 | OG0 |
                    100
                           •Gfas_gfas1.m1.4143.m1 | OG0 |
                               •Fspp_ffun1.m4.24605.m1 | OG0 |
                                •Gasp_gasp1.m3.28637.m1 | OG0 |
                               -Gasp_gasp1.m3.28822.m1 | OG0 |
                                 -Spis_XP_022799055_1 | OG0 |
                               <sup>100</sup><sup>1</sup>-Pocdam_XM_027181839.1 | OG0 |
0.416667
```

•Didcos_EP00039_Didymoeca_costata_P030702 | OG0 |