```
Saldol_EP00054_Salpingoeca_dolichothecata_P022800 | OG0 |
           100
                      Saldol_EP00054_Salpingoeca_dolichothecata_P022796 | OG0 |
                1001Saldol_EP00054_Salpingoeca_dolichothecata_P022797 | OG0 |
  100
                Codhol EP00042 Codosiga hollandica P025832 | OG0
              97 Codhol EP00042 Codosiga hollandica P025833 | OG0 |
                                                         Salinf_EP00049_Salpingoeca_infusionum_P010180 | OG0 |
                                                            -Salinf_EP00049_Salpingoeca_infusionum_P010176 | OG0
                                                                Salinf_EP00049_Salpingoeca_infusionum_P010178 | OG0 |
               •Bralan BLAG16000357 1 | OG0 |
                   Clacor Ccor C519337 01 | OG0 |
     30
           29
                                      -Sanmal_Sma_015614-T1 | OG0 |
                    ·Scil scict010189.1 | OG0 |
         47
                        •Leuniv_Lniv_scaffold20469_01 | OG0 |
             100
                          Lcom | lcpid67711 | OG0 |
                83
                         Leuniv Lniv C762182 01 | OG0 |
                     Opea_EP00118_Oscarella_pearsei_P021122 | OG0 |
                      ⊸Ocar_g5199 | OG0 |
                         •Xestes_maker-XT_scaffold14950-augustus-gene-0.5-mRNA-1 | OG0 |
                           Aque Aqu2.1.20813 001 | OG0 |
                    100
                          -Halamb c46044 g1 i2m.19931 | OG0 |
                             Stycar_maker-SC_scaffold5622-augustus-gene-0.6-mRNA-1 | OG0 |
       31
                             Tetwil g25541.t2 | OG0 |
                      -Spolac_c101620_g1_i1_m.26214c101620-g1 | OG0 |
                       •Emue Em0001g1442a.t1 | OG0 |
                              Drygla Dgla sb292829 | OG0 |
  100
         36
                               Drygla_Dgla_sb292830 | OG0 |
                              <sup>11</sup>Drygla Dgla sb292828 | OG0 |
                               Drygla_Dgla_sb292827 | OG0 |
                                Drygla Dgla sb292825 | OG0
                               82 Drygla_Dgla_sb292826 | OG0 |
                   100
                              Eupdun Edun sb10642387 | OG0 |
                                   •Lampan_Lpan_C416233_01 | OG0 |
                                    •Vmul_SimC400388 | OG0 |
                           99
                                   •Coemet_Cmet_C597099_01 | OG0 |
                      99
                                   Coeast Cast sb758628 | OG0 |
                                  <sup>34]</sup>Coeast_Cast_sb758629 | OG0 |
                                 Bolinf Binf sb1235810 | OG0 |
                        98
                                    Mertsp_Mesp_sb591489 | OG0 |
                                 100 Mertsp_Mesp_sb591491 | OG0
                                    <sup>11</sup>Mertsp Mesp sb591490 | OG0
                                    •Horcal_Hcv1.av93.c5.g520.i1 | OG0 |
                                 100 Pbac sb2664710 | OG0 |
                                     <sub>[</sub>Beraby_Baby_sb335055 | OG0 |
                                  100 Beraby Baby sb335054 | OG0 |
                                      Mlei ML1046.g9.i1 | OG0 |
                                    <sup>100</sup> Vmul_sbMO368518 | OG0 |
                                       Bolinf_Binf_sb1263659 | OG0 |
                                         Mertsp_Mesp_sb560544 | OG0 |
                                       1 Mertsp_Mesp_sb560545 | OG0 |
                        •Spur_XM_030978055.1 | OG0 |
            96
                    Skow_XM_006823755.1 | OG0 |
                      ·Cgig_XM_011439957.3 | OG0 |
                                             -Acagra_model.g25188.t1 | OG0 |
                             •Lcom lcpid177477 | OG0 |
           50
                           ·Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA178707 | OG0 |
                                                             -Sanmal_Sma_015618-T1 | OG0 |
                         •HoiH11 mRNA4943 | OG0 |
                              TrH2_TrispH2_004366-RA | OG0 |
                    100
                           100 Tadh TriadT63291 | OG0 |
                              <sub>-</sub>HoiH23_PIH23_006142-RA | OG0 |
                            <sub>•</sub>Hhon_g07993.t1 | OG0 |
                           <sup>100</sup> HoiH04_mRNA17840 | OG0 |
                          Hsap ENST00000227322 | OG0 |
                            •Dpul_mRNA27189 | OG0 |
                64
                              Cscu_XM_023368602.1 | OG0 |
                  85
                               ·Tcas_TC008817_001 | OG0 |
                                             -Lcom_lcpid196544 | OG0 |
                                 Morvir scaffold84.g22.t1 | OG0 |
                                 Chem TCONS 00005128 | OG0 |
                                 •Hvul_g991_1 | OG0 |
                82
                            Nemnom_g18009.t1 | OG0 |
                       100
                           •Rhoesc Res 007695-T1 | OG0 |
                          Aaur scaffold195.g11.t1 | OG0 |
           25
                              •Sanmal_Sma_015617-T1 | OG0 |
                              Nemnom_g18007.t1 | OG0 |
                        100
                                 •Rhoesc_Res_007693-T1 | OG0 |
                               •Xesp 015271-T1 | OG0 |
                84
                              Dgig XM 028546146.1 | OG0 |
                       100
                           <sup>100</sup> Dgig XM_028562597.1 | OG0 |
                             •Exapal XM 021046708.2 | OG0 |
              82
                          Nvec_v1g148188 | OG0 |
                       <sup>100</sup> Nvec_v1g186301 | OG0 |
                         -Spis XP 022802144 1 | OG0 |
                          •Pocdam XM 027198319.1 | OG0 |
                           •Fspp_ffun1.m4.26284.m1 | OG0 |
                  100
                            Gasp_gasp1.m3.10947.m1 | OG0 |
                     95
                             Gfas_gfas1.m1.13287.m1 | OG0 |
                               Adig XM 015918406.1 | OG0 |
                            Amil Amillepora32568-RA | OG0 |
0.416667
```

Saldol EP00054 Salpingoeca dolichothecata P022799 | OG0 |