```
<sub>"</sub>Saldol_EP00054_Salpingoeca_dolichothecata_P019715 | OG0 |
                 -Saldol_EP00054_Salpingoeca_dolichothecata_P019716 | OG0 |
                         •Codhol_EP00042_Codosiga_hollandica_P025362 | OG0 |
    92
                       •Codhol_EP00042_Codosiga_hollandica_P025359 | OG0 |
             100
                <sup>69</sup> Codhol EP00042 Codosiga_hollandica_P025360 | OG0 |
             Mylflu EP00047 Mylnosiga fluctuans P004345 | OG0 |
 100
                 -Salmac_EP00052_Salpingoeca_macrocollata_P002150 | OG0 |
                    •Salkve_EP00050_Salpingoeca_kvevrii_P007904 | OG0 |
                  Salurc_EP00051_Salpingoeca_urceolata_P032616 | OG0 |
                   Diagra EP00040 Diaphanoeca grandis P036906 | OG0 |
    75
                        Didcos EP00039 Didymoeca costata P019972 | OG0 |
           100
                        Stedip_EP00041_Stephanoeca_diplocostata_P010509 | OG0 |
                         •Acaspe_EP00035_Acanthoeca_spectabilis_P010789 | OG0 |
                100
                      <sup>100</sup><sup>1</sup>--Helnan_EP00037_Helgoeca_nana_P009443 | OG0 |
      59
                   Salinf EP00049 Salpingoeca infusionum P003313 | OG0 |
                       Microa EP00043 Microstomoeca roanoka P028650 | OG0 |
                      Sros EGD74409 | OG0 |
          99
                    •Mbre EDQ92961 | OG0 |
                    Choper_EP00045_Choanoeca_perplexa_P007379 | OG0 |
                      Chofle EP00730 Choanoeca flexa P019934 | OG0 |
                 100
                   100<sup>1</sup>-Chofle EP00730_Choanoeca_flexa_P019933 | OG0 |
            <sub>'</sub>Saldol_EP00054_Salpingoeca_dolichothecata_P024892 | OG1 |
                    Saldol_EP00054_Salpingoeca_dolichothecata_P024893 | OG1 |
                Salmac_EP00052_Salpingoeca_macrocollata_P036140 | OG1 |
    97
        100
                 Salpun EP00053 Salpingoeca punica P007718 | OG1 |
                     Diagra_EP00040_Diaphanoeca_grandis_P000079 | OG1 |
      85
                           •Stedip_EP00041_Stephanoeca_diplocostata_P031320 | OG1 |
            100
                         •Acaspe_EP00035_Acanthoeca_spectabilis_P022834 | OG1 |
                     <sup>100</sup><sup>L</sup>•Helnan_EP00037_Helgoeca_nana_P017144 | OG1 |
        Opea EP00118 Oscarella pearsei P002629 | OG1 |
 100
             •Plespi Pspi C604452 01 | OG1 |
                  Xestes maker-XT scaffold171070-augustus-gene-0.5-mRNA-1 | OG1 |
                •Aque_Aqu2.1.36573_001 | OG1 |
                   •Tetwil_g4348.t1 | OG1 |
          98
                            -Tetwil_g22169.t1 | OG1 |
    94
                  Stycar maker-SC scaffold7120-snap-gene-0.50-mRNA-1 | OG1 |
                   rEmue_Em0015g715a.t1 | OG1 |
                      Spolac_c101523_g1_i1_m.25880c101523-g1 | OG1 |
                       Spolac_c101523_g1_i2_m.25881c101523-g1 | OG1 |
                      <sup>52</sup>Spolac_c101523_g1_i3_m.25882c101523-g1 | OG1 |
      59
                 •Clacor Ccor scaffold7688 01 | OG1 |
                  •Leuniv_Lniv_scaffold20120_01 | OG1 |
           100
                     -Lcom_lcpid82020 | OG1 |
               99
                     Scil_scict012827.1 | OG1 |
                   <sup>80</sup> Gracom_Gcom_scaffold10314_01 | OG1 |
                 *Xesp 005029-T1 | OG1 |
              <sup>100</sup> Dgig_XM_028540864.1 | OG1 |
                   •Nvec_v1g177129 | OG1 |
        70
            98
                 <sup>98¹</sup>⊸Exapal_XM_021059038.2 | OG1 |
                    Gasp_gasp1.m3.27727.m1 | OG1 |
                     Fspp_ffun1.m4.9026.m1 | OG1 |
                         Pocdam XM 027183861.1 | OG1 |
                       <sup>99]</sup>Spis XP 022785776 1 | OG1 |
                         Adig_XM_015913704.1 | OG1 |
                           -Amil_Amillepora24941-RA | OG1 |
                         <sup>87</sup><sup>1</sup>⊸Gfas _gfas1.m1.16009.m1 | OG1 |
               •Spur_XM_011681884.2 | OG1 |
                       •Hvul_g9902_1 | OG1 |
                         •Chem_TCONS_00071986 | OG1 |
                       Morvir scaffold245.g42.t1 | OG1 |
            52
                        •Sanmal Sma 019329-T1|OG1|
                           •Aaur_scaffold2707.g1.t1 | OG1 |
                             Nemnom_g15059.t1 | OG1 |
                          98 Rhoesc_Res_006574-T1 | OG1 |
                   •Bralan_BLAG01001560_1 | OG1 |
                         -Skow_XM_006819932.1 | OG1 |
                          •Hsap_ENST00000279387 | OG1 |
                          •Tcas_TC015726_001 | OG1 |
                 32
                            -Cgig_XM_011432996.3 | OG1 |
                             •Acagra_model.g14714.t1 | OG1 |
                          Cscu_XM_023374297.1 | OG1 |
                            Cscu_XM_023353583.1 | OG1 |
                         •Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA182833 | OG1 |
                            •Dpul mRNA4796 | OG1 |
                                   <sub>"</sub>HoiH04_mRNA13111 | OG1 |
                       55
                                      •HoiH11_mRNA7820 | OG1 |
                                   86<sup>1</sup>-HoiH06_mRNA10772 | OG1 |
                         58
                             100
                                     Tadh_TriadT64151 | OG1 |
                                  <sup>100</sup> TrH2_TrispH2_006882-RA | OG1 |
                                    Hhon_g02731.t1 | OG1 |
                                  88 HoiH23 PIH23 007985-RA | OG1 |
                           83
                                 Vmul_Simscaffold9423_01 | OG1 |
                                      •Coeast_Cast_sb782069 | OG1 |
                                        <sub>!</sub>Coeast_Cast_sb782068 | OG1 |
                                   100
                              100
                                      <sup>75</sup> Coemet Cmet C595697 01 | OG1 |
                                        Eupdun_Edun_sb10635646 | OG1 |
                                 88
                                     <sup>100</sup> Eupdun_Edun_sb10635647 | OG1 |
                                        Lampan_Lpan_5003_01 | OG1 |
                                            Mertsp_Mesp_sb561264 | OG1 |
                                            Bolinf Binf sb1233513 | OG1 |
                                     87
                                            <sup>1]</sup>Mertsp_Mesp_sb561265 | OG1 |
                                            Prygla_Dgla_sb289177 | OG1 |
                                                Bolinf_Binf_sb1260036 | OG1 |
                                                    <sub>!</sub>Mlei_ML3688.g15.i1 | OG1 |
                                                  90<sup>1</sup>Mertsp_Mesp_sb575329 | OG1 |
                                                  rMlei_ML1740.g1.i1 | OG1 |
                                                     <sub>!</sub>Beraby_Baby_sb331654 | OG1 |
                                                  <sup>1001</sup>Beraby_Baby_sb331655 | OG1 |
                                                    Horcal_Hcv1.av93.c2.g61.i1 | OG1 |
                                                   <sup>67</sup> Pbac_sb2649161 | OG1 |
0.416667
```