```
Gracom Gcom scaffold8436 01 | OG0 |
                  •Lcom_lcpid97664 | OG0 |
      100
                   •Scil_scict008095.2 | OG0 |
         98
                    •Leuniv_Lniv_scaffold19995_01 | OG0 |
                          Salinf EP00049 Salpingoeca infusionum P019536 | OG0 |
 43
                                         -Horcal Hcv1.av93.c7.g35.i1 | OG0 |
                                                   -Pbac_sb2669649 | OG0 |
                                -Lampan_Lpan_4351_01 | OG0 |
                    80
   70
                                            •Coemet_Cmet_C590881_01 | OG0 |
                                              <sub>s</sub>Coeast_Cast_sb768133 | OG0 |
                                           <sup>1001</sup>Coeast_Cast_sb768134 | OG0 |
                  100
                             Mertsp Mesp sb551161 | OG0 |
                               -Bolinf_Binf_sb1211082 | OG0 |
                             71 Mertsp_Mesp_sb551162 | OG0 |
                                   Prygla Dgla sb285287 | OG0 |
                      85
                                <sup>100</sup> Drygla Dgla_sb285286 | OG0 |
                                 Beraby_Baby_sb332683 | OG0 |
                              <sup>100</sup> Beraby_Baby_sb332684 | OG0 |
                                  Mlei ML0708.g19.i1 | OG0 |
                               1001-Vmul sbMO482067 | OG0 |
                          92
                                    Bolinf Binf sb1233478 | OG0 |
                                      Bolinf_Binf_sb1233480 | OG0 |
                                  58
                             100
                                        Bolinf_Binf_sb1233479 | OG0 |
                                       99 Bolinf_Binf_sb1233482 | OG0 |
                               100
                                       Mertsp Mesp sb576126 | OG0 |
                                    <sup>78</sup> Mertsp Mesp sb576124 | OG0 |
                                       Mertsp_Mesp_sb576127 | OG0 |
                                         Mertsp Mesp sb576125 | OG0 |
                                          Bolinf_Binf_sb1233481 | OG0 |
                                         <sup>69</sup> Bolinf_Binf_sb1233483 | OG0 |
                        •Mylflu EP00047 Mylnosiga fluctuans P012539 | OG1 |
                           •Microa EP00043 Microstomoeca roanoka P030205 | OG1 |
       79
                 100
                        Sros EGD81160 | OG1 |
                                 •Mbre EDQ88011 | OG1 |
         70
                            Choper EP00045 Choanoeca perplexa P000971 | OG1 |
             100
                              •Chofle EP00730 Choanoeca flexa P015635 | OG1 |
                    100
                         100 Chofle EP00730_Choanoeca_flexa_P015636 | OG1 |
     53
                         -Salpun_EP00053_Salpingoeca_punica_P015430 | OG1 |
                          -Salurc_EP00051_Salpingoeca_urceolata_P014254 | OG1 |

    Salmac EP00052 Salpingoeca macrocollata P007350 | OG1 |

                      <sup>100]</sup>Salmac EP00052 Salpingoeca macrocollata P007351 | OG1 |
                               Salkve_EP00050_Salpingoeca_kvevrii_P007929 | OG1 |
       37
                             Saldol_EP00054_Salpingoeca_dolichothecata_P037699 | OG1 |
            50
                                         •Codhol_EP00042_Codosiga_hollandica_P047079 | OG1 |
                        Didcos EP00039 Didymoeca costata P030323 | OG1 |
         34
                     100
                             Didcos EP00039 Didymoeca costata P030324 | OG1 |
                             •Acaspe_EP00035_Acanthoeca_spectabilis_P022055 | OG1 |
           81
                      100
                             •Helnan_EP00037_Helgoeca_nana_P001929 | OG1 |
                             Diagra EP00040 Diaphanoeca grandis P004348 | OG1 |
              98
 43
                                 Stedip EP00041 Stephanoeca diplocostata P010761 | OG1 |
                92
                            <sup>91]</sup>Stedip EP00041 Stephanoeca diplocostata P010763 | OG1 |
                              Stedip_EP00041_Stephanoeca_diplocostata_P010764 | OG1 |
                            551-Stedip_EP00041_Stephanoeca_diplocostata_P010765 | OG1 |
                   •Tetwil g17364.t1 | OG1 |
                •Spolac c97207 g1 i2 m.14516c97207-g1 | OG1 |
          99
             100
                  •Emue Em0008g1227a.t1 | OG1 |
       100
                  Xestes_maker-XT_scaffold71-augustus-gene-0.36-mRNA-1 | OG1 |
                     •Halamb c38821 g1 i3mm.626 | OG1 |
            100
                    Aque Aqu2.1.39141 001 | OG1 |
               89
                  <sup>100</sup> Aque Aqu2.1.00585_001 | OG1 |
                 Clacor Ccor scaffold5101 01 | OG1 |
   91
               Clacor_Ccor_scaffold5102_01 | OG1 |
                   <sup>100</sup><sup>1</sup>-Ocar_g1073 | OG1 |
                               •Hvul_g25101_1 | OG1 |
                              Chem TCONS 00053061 | OG1 |
     71
                         •Morvir_scaffold426.g5.t1 | OG1 |
                          •Sanmal_Sma_020610-T1 | OG1 |
                98
                            •Nemnom_g11956.t1 | OG1 |
                  100
                           -Rhoesc_Res_009787-T1 | OG1 |
                             -HoiH23 PIH23 010285-RA | OG1 |
       73
                           Hhon g06911.t1 | OG1 |
                             100 HoiH04 mRNA6008 | OG1 |
                                •HoiH11 mRNA2072 | OG1 |
                                  TrH2 TrispH2 004566-RA | OG1 |
                               <sup>100</sup> Tadh_TriadT57554 | OG1 |
                       •Bralan_BLAG11000828_1 | OG1 |
                           Skow_XM_002740541.2 | OG1 |
         91
                    100
                             Spur XM 780498.5 | OG1 |
                  90
                              •Hsap ENST00000229251 | OG1 |
                    99
                               •Hsap_ENST00000410017 | OG1 |
              58
                         •Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA168475 | OG1 |
                          Acagra model.g29260.t1.1.5d3b8c8c | OG1 |
                         •Cgig XM 034482420.1 | OG1 |
                           Cscu XM 023361869.1 | OG1 |
                58
                    55
                                                      -Lcom_lcpid145978 | OG1 |
                            •Tcas_TC004326_003 | OG1 |
           51
                              •Dpul mRNA16036 | OG1 |
                        •Dgig_XM_028538256.1 | OG1 |
                   100
                          •Xesp_012553-T1 | OG1 |
                         •Exapal_XM_021060931.2 | OG1 |
                             •Exapal_XM_021056962.1 | OG1 |
                   100
             99
                           •Nvec_v1g244366 | OG1 |
                        <sub>-</sub>Gfas gfas1.m1.6897.m1 | OG1 |
                100
                           -Amil_Amillepora32269-RA | OG1 |
                         <sup>100</sup><sup>_</sup>-Adig_XM_015909200.1 | OG1 |
                           •Spis_XP_022809374_1 | OG1 |
                   100
                        100 Pocdam XM 027197756.1 OG1
                          <sub>-</sub>-Fspp ffun1.m4.18015.m1 | OG1 |
                           -Gasp_gasp1.m3.14873.m1 | OG1 |
0.416667
```