```
Diagra_EP00040_Diaphanoeca_grandis_P025043 | OG0 |
                                     •Acaspe_EP00035_Acanthoeca_spectabilis_P007030 | OG0 |
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                                       •Helnan_EP00037_Helgoeca_nana_P013523 | OG0 |
                                  •Saldol_EP00054_Salpingoeca_dolichothecata_P023452 | OG0 |
 92
                           Codhol EP00042 Codosiga hollandica P038020 | OG0 |
                                   -Didcos EP00039 Didymoeca costata P015246 | OG0 |
           95
                         Lcom_lcpid139787 | OG0 |
   61
                                         -Salpun EP00053 Salpingoeca punica P000828 | OG0 |
           93
                                      •Salkve_EP00050_Salpingoeca_kvevrii_P010465 | OG0 |
                          Salurc EP00051 Salpingoeca urceolata P008617 | OG0 |
                               Salurc EP00051 Salpingoeca urceolata P008615 | OG0 |
                           100 -Salurc EP00051_Salpingoeca_urceolata_P008616 | OG0 |
                       •Lcom_lcpid138024 | OG1 |
                 100 Lcom_lcpid171757 | OG1 |
                   •Lcom | lcpid133303 | OG1 |
   86
           99
                   Lcom_lcpid208189 | OG1 |
        100
                  •Lcom_lcpid133391 | OG1 |
           100
                  •Lcom | lcpid139991 | OG1 |
                   •Eupdun_Edun_sb10635635 | OG2 |
                   •Lampan_Lpan_15471_01 | OG2 |
              76
                      Coemet Cmet C602817 01 | OG2 |
                         Coeast_Cast_sb792579 | OG2 |
                      <sup>100</sup>L-Coeast Cast sb792580 | OG2 |
                   Bolinf_Binf_sb1264264 | OG2 |
           100
                     Mertsp Mesp sb566926 | OG2 |
                       Mertsp Mesp sb566928 | OG2 |
                      <sup>71]</sup>•Mertsp_Mesp_sb566927 | OG2 |
 92
                      Beraby Baby sb344401 | OG2 |
                   <sup>100</sup> Beraby_Baby_sb344402 | OG2 |
                        •Coeast Cast sb770623 | OG2 |
                56
                           Horcal Hcv1.av93.c7.g164.i1 | OG2 |
                        <sup>100</sup>└-Pbac_sb2668920 | OG2 |
                  80
                        Drygla Dgla sb289534 | OG2 |
                             <sub>_</sub>Bolinf_Binf_sb1228253 | OG2 |
                          <sup>100</sup> Mertsp Mesp_sb577309 | OG2 |
                             Mlei_ML0742.g10.i1 | OG2 |
                          <sup>100]</sup>Vmul_sbMO428646 | OG2 |
                     Xestes snap masked-XT scaffold3629-processed-gene-0.1-mRNA-1 | OG2 |
                       •Aque Aqu2.1.37256 001 | OG2 |
               100
   53
                       •Halamb c52766 g3 i1m.33928 | OG2 |
                     Stycar_snap_masked-SC_scaffold4133-processed-gene-0.2-mRNA-1 | OG2 |
          100
                         Tetwil g5789.t2 | OG2 |
                     •Spolac c110207 g1 i1 m.45560c110207-g1 | OG2 |
                        Emue Em0016g69a.t1 | OG2 |
                     <sup>100</sup>•Emue Em0016g83a.t1 | OG2 |
                             TrH2_TrispH2_003034-RA | OG2 |
                          <sup>100</sup><sup>1</sup>Tadh TriadT53112 | OG2 |
                                +HoiH23 PIH23 000028-RA | OG2 |
                       100
                             <sup>100</sup> HoiH06 mRNA7587 | OG2 |
                                 •HoiH11_mRNA5114 | OG2 |
                          100
                                  rHhon_g09411.t1 | OG2 |
                               <sup>100</sup> HoiH04 mRNA16066 | OG2 |
          30
                          Clacor Ccor scaffold15399 01 | OG2 |
                            •Plajan_Pjan_C553027_01 | OG2 |
                             Popea EP00118 Oscarella pearsei P028596 | OG2 |
                  100
     41
                          <sup>100</sup> Ocar_g7892 | OG2 |
                                  Lcom lcpid104380 | OG2 |
                                 Leuniv Lniv C810540 01 | OG2 |
                       100
                                      •Gracom_Gcom_C529472_01 | OG2 |
                           100
                                    •Scil_scict025894.1 | OG2 |
              62
                                    Hsap ENST00000375442 | OG2 |
                                            +Hsap ENST00000322128 | OG2 |
                                                 ENS100000420283 | OG2 |
                         100
                                          •Hsap_ENST00000368608 | OG2 |
                                   99
                                      100
                                             •Hsap_ENST00000317802 | OG2 |
                            97
                                               <sub>•</sub>Hsap_ENST00000440215 | OG2 |
                                                 Hsap ENST00000320701 | OG2 |
                                            100
                                                   Hsap ENST00000426950 | OG2 |
                                                      Hsap ENST00000287721 | OG2 |
                                                    <sup>23</sup> Hsap ENST00000451548 | OG2 |
       35
                                                   <sup>3</sup> Hsap_ENST00000428845 | OG2 |
                                                    <sup>1</sup> Hsap_ENST00000457222 | OG2 |
                     •Dgig XM 028539225.1 | OG2 |
                      •Xesp 007457-T1 | OG2 |
                          •Hvul_g12071_1 | OG2 |
                          Chem TCONS 00005998 | OG2 |
                          •Morvir scaffold44.g89.t1 | OG2 |
            85
                 100
                             •Sanmal_Sma_021498-T1 | OG2 |
                    100
                             -Nemnom g14409.t1 | OG2 |
                           <sup>100</sup> Rhoesc_Res_015435-T1 | OG2 |
              83
                           •Nvec_v1g163440 | OG2 |
                   98
                          Exapal_XM_021050978.2 | OG2 |
                       •Fspp ffun1.m4.15976.m1 | OG2 |
                100
                            •Gasp_gasp1.m3.14066.m1 | OG2 |
                   100
                              •Spis_XP_022781912_1 | OG2 |
                           <sup>100</sup>¹•Pocdam XM 027200783.1 | OG2 |
                      99
                            •Gfas gfas1.m1.2745.m1 | OG2 |
          60
                              Amil_Amillepora00141-RA | OG2 |
                           <sup>100</sup> Adig_XM_015903165.1 | OG2 |
                     Bralan_BLAG05000763_3 | OG2 |
                              •Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA157590 | OG2 |
                                    •Dpul_mRNA10078 | OG2 |
                      Cscu XM 023376917.1 | OG2 |
              73
                                         -Tcas_TC010882_001 | OG2 |
                                           •Tcas_TC012877_001 | OG2 |
                63
                          Cgig_XM_011421012.3 | OG2 |
            65
                           Acagra model.g7928.t1 | OG2 |
                        <sup>100</sup> Acagra_model.g7928.t1.1.5d40090e | OG2 |
                    Skow_XM_002739530.3 | OG2 |
                          •Spur_XM_783009.5 | OG2 |
              100
                           •Hsap_ENST00000372692 | OG2 |
                 70
                        <sup>100</sup>-Hsap ENST00000596516 | OG2 |
                         •Acagra_model.g20992.t1 | OG2 |
                   73
                           Cgig_XM_011445277.3 | OG2 |
                               •Lcom_lcpid95329 | OG2 |
                                  •Leuniv_Lniv_C780945_01 | OG2 |
                                  Ctel gnl WGS AMQN_CAPTEDRAFT_mRNA153159 | OG2 |
                               1001-Ctel gnl WGS AMQN CAPTEDRAFT_mRNA215513 | OG2 |
0.416667
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