```
-Lampan_Lpan_14777 01 | OG0 |
                            -Coemet_Cmet_C586851_01 | OG0 |
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                           •Bolinf_Binf_sb1222223 | OG0 |
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                                  100 Pbac sb2661873 | OG0 |
                           Beraby_Baby_sb332477 | OG0 |
                           Drygla_Dgla_sb303755 | OG0 |
                         <sup>100</sup>L-Drygla_Dgla_sb303756 | OG0 |
 95
            •Pbac_sb2637647 | OG0 |
                                                                 -Pbac_sb2637646 | OG0 |
        62
              Horcal_Hcv1.av93.c2.g443.i1 | OG0 |
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              •Lampan_Lpan_15925_01 | OG0 |
      67
                Coemet Cmet_scaffold17490_01 | OG0 |
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               Mlei ML0211.g7.i1 | OG0 |
            <sup>100</sup> Vmul_sbMO385034 | OG0 |
                 -Bolinf Binf sb1301313 | OG0
                   Mertsp Mesp sb553012 | OG0 |
                 <sup>77</sup>—Mertsp Mesp sb553014 | OG0 |
                 Beraby_Baby_sb335654 | OG0 |
               11Beraby_Baby_sb335656 | OG0 |
                Clacor Ccor scaffold3697 01 | OG0 |
                     ⊸Lcom Icpid22830 | OG0 |
           100
                  100 Leuniv_Lniv_C799558_01 | OG0 |
                                         -Mylflu_EP00047_Mylnosiga_fluctuans_P006046 | OG0 |
   34
                                                      •Salinf_EP00049_Salpingoeca_infusionum_P004600 | OG0 |
                             Salkve EP00050 Salpingoeca kvevrii P007227 | OG0 |
               100
                                   Salurc EP00051 Salpingoeca urceolata P028790 | OG0 |
                                           -Salpun_EP00053_Salpingoeca_punica_P004855 | OG0 |
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                                           Salmac_EP00052_Salpingoeca_macrocollata_P015233 | OG0 |
                                              Saldol_EP00054_Salpingoeca_dolichothecata_P027878 | OG0 |
                                                 Diagra EP00040 Diaphanoeca grandis P028485 | OG0 |
                                                         -Didcos EP00039 Didymoeca costata P028496 | OG0 |
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                                                        Stedip_EP00041_Stephanoeca_diplocostata_P008707 | OG0 |
                                                                   -Acaspe_EP00035_Acanthoeca_spectabilis_P031281 | OG0 |
                                                                       •Helnan_EP00037_Helgoeca_nana_P020185 | OG0 |
                                                                             Codhol EP00042 Codosiga hollandica P032364 | OG0 |
                                                                    •Chofle_EP00730_Choanoeca_flexa_P019461 | OG0 |
                                 90
                                                         100
                                                                ·Choper_EP00045_Choanoeca_perplexa_P008959 | OG0 |
                                                                            -Microa_EP00043_Microstomoeca_roanoka_P022243 | OG0 |
                                                                           Sros EGD77564 | OG0 |
                Plespi Pspi scaffold6141 01 | OG0 |
             1001 Plespi Pspi scaffold6140 01 | OG0 |
              r•Emue_Em0016g1075a.t1 | OG0 |
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              <sup>100</sup>L-Spolac_c96459_g1_i3_m.13131c96459-g1 | OG0 |
                  Tetwil g1492.t1 | OG0 |
                    Stycar_augustus_masked-SC_scaffold87593-processed-gene-0.0-mRNA-1 | OG0 |
                 <sup>100</sup> Stycar_maker-SC_scaffold2124-augustus-gene-0.57-mRNA-1 | OG0 |
                       Xestes_maker-XT_scaffold17037-augustus-gene-0.2-mRNA-1 | OG0 |
                       Aque Aqu2.1.16117_001 | OG0
                     <sup>1001</sup>Aque_Aqu2.1.07687_001 | OG0
              Popea EP00118_Oscarella_pearsei_P027594 | OG0 |
           100 Ocar_g143 | OG0 |
                •Acagra_model.g30382.t1 | OG0 |
                •Cgig_XM_011430229.3 | OG0 |
                 •Lcom_lcpid232786 | OG0 |
                    Ctel gnl WGS AMQN CAPTEDRAFT mRNA219560 | OG0
                  100 Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA121873 | OG0 |
                 -icas (C010485 001 | OG0 |
            931
                  •Dpul_mRNA2534 | OG0 |
                    •Cscu XM 023359454.1 | OG0 |
                       Cscu XM 023376787.1 | OG0 |
         35
                     Bralan_BLAG07000960 1 | OG0 |
                      -Hsap_ENST00000300291 | OG0 |
            58
                            <sub>•</sub>Spur_XM_779814.5 | OG0 |
                         100 Spur XM 030984897.1 | OG0 |
              82
                         Skow XM 002732964.2 | OG0 |
                                                                           •Bralan_BLAG90000444_1 | OG0 |
                              TrH2 TrispH2 009325-RA | OG0 |
                                 Tadh_TriadT64225 | OG0 |
                                    <sub>s</sub>HoiH23_PIH23_005611-RA | OG0 |
                                  <sup>981</sup>HoiH06 mRNA10562 | OG0 |
                                    Hhon g09984.t1 | OG0 |
                                  95 HoiH04_mRNA3691 | OG0 |
                               •Morvir scaffold65.g49.t1 | OG0 |
                  97
                                      +Hvul_g435_1 | OG0 |
                       87
                              •Sanmal Sma 025511-T1 | OG0 |
                                     •Nemnom_g12488.t1 | OG0 |
                          99
                                Nemnom_g12487.t1 | OG0 |
                              <sup>791</sup>Rhoesc Res_011377-T1 | OG0 |
                              -Dgig XM 028554230.1 | OG0 |
                          <sup>100</sup> -Xesp 005265-T1 | OG0 |
                                •Nvec_v1g86836 | OG0 |
                       99
                                 Exapal_XM_021059914.2 | OG0 |
                                •Amil Amillepora03627-RA | OG0 |
                         94
                               Adig XM 015914224.1 | OG0
                                 Adig_XM_015907702.1 | OG0 |
                                   Gfas_gfas1.m1.332.m1 | OG0 |
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                                        Fspp_ffun1.m4.20918.m1 | OG0 |
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                                         100<sup>1</sup>Pocdam XM 027181456.1 | OG0 |
0.416667
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