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<sub>s</sub>Mertsp_Mesp_sb554295 | OG0 |
             <sup>100</sup> Bolinf Binf_sb1268694 | OG0 |
                   Pbac_sb2652443 | OG0 |
64
        92
                <sup>100</sup>Pbac sb2662095 | OG0 |
                  Horcal Hcv1.av93.c5.g1228.i1 | OG0 |
      95
                82 Horcal Hcv1.av93.c5.g1228.i2 | OG0 |
             Lampan Lpan C416445 01 | OG0 |
                  Vmul Simscaffold7733 01 | OG0 |
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                  •Coemet Cmet scaffold10626 01 | OG0 |
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                     Coeast Cast sb800308 | OG0 |
                       Coeast Cast sb800309 | OG0 |
                          Coeast_Cast_sb800306 | OG0 |
                       <sup>100</sup> Coeast_Cast_sb800307 | OG0 |
                  Eupdun Edun sb10628906 | OG1 |
               100 Eupdun Edun_sb10628907 | OG1 |
                      •Lampan Lpan 425 01 | OG1 |
            97
                        -Coemet Cmet C601201 01 | OG1 |
                      Beraby_Baby_sb328254 | OG1 |
                          -Mlei ML1411.g5.i1 | OG1 |
                            -Bolinf Binf sb1193780 | OG1 |
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                            Drygla Dgla sb281021 | OG1 |
                            •Beraby_Baby_sb328253 | OG1 |
                  83
                          Horcal_Hcv1.av93.c5.g1284.i2 | OG1 |
                        <sup>83</sup> Horcal Hcv1.av93.c5.g1284.i3 | OG1 |
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                           71 Horcal_Hcv1.av93.c5.g1284.i4 | OG1 |
                     •Plajan_Pjan_C565218_01 | OG1 |
                     Opea EP00118 Oscarella pearsei P001844 | OG1 |
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                  <sup>100</sup> Ocar _g3044 | OG1 |
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        39
  83
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                      Xestes_augustus_masked-XT_scaffold26695-processed-gene-0.3-mRNA-1 | OG1 |
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                     •Leuniv Lniv scaffold12613 01 | OG1 |
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                     1001-Lcom | lcpid48876 | OG1 |
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                       | Scil_scict021215.2 | OG1
                        •Scil scict014737.1 | OG1 |
                   •TrH2 TrispH2 007129-RA | OG1 |
                     Hhon_g09752.t1 | OG1 |
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    87
                   <sup>100</sup> HoiH04_mRNA3985 | OG1 |
                       ·Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA224895 | OG1 |
        36
                        •Cgig XM 034453786.1 | OG1 |
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                         Acagra model.g22725.t1 | OG1 |
                        Spur XM 030990068.1 | OG1 |
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                            •Spur XM 030990077.1 | OG1 |
                          •Skow_XM_002737202.1 | OG1 |
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                               •Skow XM 006824892.1 | OG1 |
                           Hsap ENST00000394904 | OG1 |
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                             Cscu XM 023363391.1 | OG1 |
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                     Dgig_XM_028557209.1 | OG1 |
                  <sup>100</sup> Dgig_XM_028561861.1 | OG1 |
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                                   -Chem TCONS 00066672 | OG1 |
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                         •Aaur_scaffold836.g10.t1 | OG1 |
                             •Sanmal Sma 005568-T1 | OG1 |
                             Rhoesc Res 005422-T1 | OG1 |
                          <sup>100</sup><sup>L</sup>•Nemnom_g16607.t1 | OG1 |
                       •Exapal_XM_021061642.2 | OG1 |
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                       •Nvec_v1g164036 | OG1 |
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                      Gfas gfas1.m1.15563.m1 | OG1 |
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                            •Spis_XP_022810040_1 | OG1 |
                           Fspp_ffun1.m4.18053.m1 | OG1 |
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                          •Fspp ffun1.m4.18052.m1 | OG1 |
                            •Gfas gfas1.m1.13101.m1 | OG1 |
                                -Fspp_ffun1.m4.18051.m1 | OG1 |
                             <sup>100</sup>└-Fspp_ffun1.m4.18050.m1 | OG1 |
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                                   •Amil_Amillepora12591-RA | OG1 |
                                 •Adig_XM_015895432.1 | OG1 |
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                                                     •Mylflu_EP00047_Mylnosiga_fluctuans_P010171 | OG2 |
                        ·Saldol_EP00054_Salpingoeca_dolichothecata_P009362 | OG2 |
                              Codhol EP00042 Codosiga hollandica P044250 | OG2 |
                                 -Codhol EP00042 Codosiga hollandica P044255 | OG2 |
           89
                                    •Codhol_EP00042_Codosiga_hollandica_P044253 | OG2 |
                          Salurc_EP00051_Salpingoeca_urceolata_P003123 | OG2 |
       49
                                •Microa_EP00043_Microstomoeca_roanoka_P025224 | OG2 |
                        100
                                •Sros EGD75847 | OG2
                   100
                                 •Mbre EDQ84376 | OG2 |
                                •Chofle_EP00730_Choanoeca_flexa_P013460 | OG2 |
                              -Choper_EP00045_Choanoeca_perplexa_P017011 | OG2 |
                          •Didcos_EP00039_Didymoeca_costata_P030075 | OG2 |
                              Diagra EP00040 Diaphanoeca grandis P030372 | OG2 |
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                                 Stedip EP00041 Stephanoeca diplocostata P019743 | OG2 |
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                                   •Acaspe_EP00035_Acanthoeca_spectabilis_P022584 | OG2 |
                                   -Helnan_EP00037_Helgoeca_nana_P004172 | OG2 |
                            •Mylflu_EP00047_Mylnosiga_fluctuans_P011001 | OG2 |
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                            Salmac_EP00052_Salpingoeca_macrocollata_P024155 | OG2 |
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                             Salpun EP00053 Salpingoeca punica P024397 | OG2 |
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                                 86 Salpun_EP00053_Salpingoeca_punica_P015015 | OG2 |
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                           ·Salurc_EP00051_Salpingoeca_urceolata_P011761 | OG2 |
                            Salkve EP00050 Salpingoeca kvevrii P012299 | OG2 |
                 92
                                     •Mbre EDQ92574 | OG2 |
                                      •Chofle EP00730 Choanoeca flexa P018823 | OG2 |
                             100
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                                       •Choper_EP00045_Choanoeca_perplexa_P005311 | OG2 |
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    76
                                      Salinf_EP00049_Salpingoeca_infusionum_P019078 | OG2 |
                                     Sros EGD82231 | OG2 |
                                       •Microa_EP00043_Microstomoeca_roanoka_P030074 | OG2 |
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                                       Microa_EP00043_Microstomoeca_roanoka_P012516 | OG2 |
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                                             Microa EP00043 Microstomoeca_roanoka_P012517 | OG2 |
                                          100 - Microa EP00043_Microstomoeca_roanoka_P012515 | OG2 |
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                      1001Spur_XM_030972798.1 | OG2 |
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                            <sup>100</sup>TrH2 TrispH2_005665-RA | OG2 |
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                                      <sub>-</sub>HoiH06_mRNA10797 | OG2 |
                                   100<sup>1</sup>•HoiH23 PIH23 001751-RA | OG2 |
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                                     -HoiH06 mRNA10795 | OG2 |
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                         •Clacor Ccor scaffold14512 01 | OG2 |
                       -Plajan Pjan C566906 01 | OG2 |
           100
                        Ocar g266 | OG2 |
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                     <sup>100</sup> Opea_EP00118_Oscarella_pearsei_P003435 | OG2 |
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                                       -Ocar g7081 | OG2 |
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                                Opea EP00118 Oscarella pearsei P019561 | OG2 |
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                                    Opea_EP00118_Oscarella_pearsei_P019559 | OG2 |
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                                     91 Opea EP00118 Oscarella_pearsei_P019562 | OG2 |
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                             •Tetwil g16918.t1 | OG2 |
                               •Emue Em0010g71a.t1 | OG2 |
                                 Spolac_c101745_g1_i1_m.26633c101745-g1 | OG2 |
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                               Tetwil g3320.t2 | OG2 |
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                     96
                               Stycar maker-SC scaffold2577-snap-gene-0.8-mRNA-1 | OG2 |
                                              Stycar_maker-SC_scaffold2487-augustus-gene-0.21-mRNA-1 | OG2 |
                              Xestes maker-XT scaffold5244-snap-gene-0.8-mRNA-1 | OG2 |
                            •Aque Aqu2.1.37929 001 | OG2 |
                             -Halamb_c43911_g1_i3mm.1363 | OG2 |
                              Halamb_c11162_g1_i1m.1813 | OG2 |
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