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                                Didcos_EP00039_Didymoeca costata P000063 | OG3 |
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                                    Diagra EP00040 Diaphanoeca grandis P005463 | OG3 |
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                                    Acaspe EP00035 Acanthoeca spectabilis P020949 | OG3 |
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                        Lcom Icpid206301 | OG3 |
                        •Lcom | lcpid245010 | OG3 |
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                                   •Microa_EP00043_Microstomoeca_roanoka_P000903 | OG3 |
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                                   •Sros_EGD75654 | OG3 |
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                               Mbre EDQ90695 | OG3 |
                               Choper EP00045 Choanoeca perplexa P005769 | OG3 |
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                                Chofle_EP00730_Choanoeca_flexa_P008745 | OG3 |
                             <sup>100</sup> Chofle_EP00730_Choanoeca_flexa_P008746 | OG3 |
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                    Opea EP00118 Oscarella pearsei P025712 | OG1 |
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                      Ocar_g9432 | OG1 |
                    <sup>83</sup>-Ocar_g6271 | OG1 |
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                    •Skow_XM_002741914.2 | OG1 |
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                      Spur XM 030984226.1 | OG1 |
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                    <sup>1001</sup>•Hsap ENST00000434724 | OG1 |
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                         Cscu_XM_023371798.1 | OG1 |
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                           •Tcas_TC006729_001 | OG1 |
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                          Dpul mRNA4900 | OG1 |
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                        Bralan BLAG09000554 3 | OG1 |
                          Ctel gnl WGS AMQN CAPTEDRAFT_mRNA162785 | OG1 |
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                       Cgig_XM_011445618.3 | OG1 |
                         Acagra model.g4050.t1 | OG1 |
                            •Lcom lcpid168020 | OG1 |
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                       TrH2_TrispH2_006244-RA | OG1 |
                    <sup>100</sup> Tadh_TriadT53763 | OG1 |
                       •HoiH11_mRNA8529 | OG1 |
                 100
                           -HoiH23 PIH23 001585-RA | OG1 |
                        <sup>100</sup><sup>1</sup>-HoiH06 mRNA1572 | OG1 |
                           Hhon g04791.t1 | OG1 |
                        <sup>100</sup> HoiH04_mRNA7677 | OG1 |
                         •Morvir_scaffold1.g221.t1 | OG1 |
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                                  •Hvul g31464 1 | OG1 |
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                             •Rhoesc Res 013915-T1 | OG1 |
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                     <sup>100</sup> Nvec_v1g16941 | OG1 |
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                       <sup>100</sup><sup>1</sup>-Pocdam_XM_027180268.1 | OG1 |
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                                Adig_XM_015919063.1 | OG1 |
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                    •Tetwil_g7370.t2 | OG2 |
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                 Stycar maker-SC scaffold56565-snap-gene-0.5-mRNA-1 | OG2 |
                         Stycar_snap_masked-SC_scaffold104835-processed-gene-0.1-mRNA-1 | OG2 |
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                      <sup>100</sup>lHalamb_c39838_g1_i1m.12119 | OG2 |
                     •Lcom_lcpid134713 | OG2 |
                    •Eupdun_Edun_sb10654714 | OG2 |
                         Lampan_Lpan_11414_01 | OG2 |
                            •Vmul_SimC404674 | OG2 |
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                                Coeast_Cast_sb774739 | OG2 |
                                  <u>-</u>Coeast_Cast_sb774740 | OG2 |
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                                <sup>71</sup> Coeast_Cast_sb774741 | OG2 |
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                                    Mertsp_Mesp_sb592914 | OG2 |
                                  <sup>33</sup> Mertsp_Mesp_sb592907 | OG2 |
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                                     Bolinf_Binf_sb1268965 | OG2 |
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                            Bolinf_Binf_sb1299016 | OG2 |
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                                    Drygla_Dgla_sb292683 | OG2 |
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                                        •Pbac_sb2656228 | OG2 |
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                                        •Pbac_sb2656226 | OG2 |
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                               <sup>57</sup> Bolinf_Binf_sb1257553 | OG2 |
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