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•Plajan Pjan C564136 01 | OG0 |
            Opea EP00118 Oscarella pearsei P001701 | OG0 |
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         <sup>100</sup> •Ocar_g10373 | OG0 |
                    •Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA219243 | OG0 |
                          •Clacor Ccor scaffold5783 01 | OG0 |
                                   •Gracom Gcom C530252 01 | OG0 |
  54
                                   -Leuniv_Lniv_C763955_01 | OG0 |
                                  -Lcom_lcpid88349 | OG0 |
                     •Halamb_c51869_g1_i3mm.4215 | OG0 |
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                     -Aque Aqu2.1.11319 001 | OG0 |
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                  <sup>100</sup>-Aque Aqu2.1.27562_001 | OG0 |
                         •Tetwil g26234.t1 | OG0 |
      64
           69
                          •Plespi_Pspi_scaffold14455_01 | OG0 |
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                             •Spolac_c90242_g1_i1_m.6208c90242-g1 | OG0 |
                   Stycar maker-SC scaffold1061-augustus-gene-0.19-mRNA-1 | OG0 |
                 100<sup>1</sup>-Stycar maker-SC_scaffold146058-snap-gene-0.13-mRNA-1 | OG0 |
                      Codhol EP00042 Codosiga hollandica P021086 | OG0 |
                     -Salkve_EP00050_Salpingoeca_kvevrii_P010944 | OG0 |
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                        Saldol EP00054 Salpingoeca dolichothecata P023937 | OG0 |
                           Saldol EP00054 Salpingoeca dolichothecata P023938 | OG0 |
                        100<sup>1</sup>-Saldol EP00054 Salpingoeca_dolichothecata_P023939 | OG0 |
                        •Didcos_EP00039_Didymoeca_costata_P000584 | OG0 |
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                       Diagra_EP00040_Diaphanoeca_grandis_P002733 | OG0 |
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                          Acaspe_EP00035_Acanthoeca_spectabilis_P020521 | OG0 |
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                         Helnan EP00037 Helgoeca nana P009517 | OG0 |
                         Stedip EP00041 Stephanoeca diplocostata P016800 | OG0 |
                      | Stedip_EP00041_Stephanoeca_diplocostata_P016801 | OG0
                       Salurc_EP00051_Salpingoeca_urceolata_P006876 | OG0 |
                              •Mylflu_EP00047_Mylnosiga_fluctuans_P008651 | OG0 |
                           Salpun EP00053 Salpingoeca punica P026432 | OG0 |
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      59
                                     Salmac EP00052 Salpingoeca macrocollata P022362 | OG0 |
                               100 Salmac EP00052 Salpingoeca_macrocollata_P022363 | OG0 |
                                 Salinf EP00049 Salpingoeca infusionum P004639 | OG0 |
        26
                            •Sros_EGD81026 | OG0 |
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                           Microa EP00043 Microstomoeca roanoka P006956 | OG0 |
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                                   •Microa EP00043 Microstomoeca roanoka P006958 | OG0 |
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                              Microa EP00043 Microstomoeca_roanoka_P006961 | OG0 |
                                   •Mbre_EDQ89167 | OG0 |
                                -Choper_EP00045_Choanoeca_perplexa_P021021 | OG0 |
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                                 Choper EP00045 Choanoeca perplexa_P022146 | OG0 |
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                                      Chofle EP00730 Choanoeca flexa P001648 | OG0 |
                              100<sup>1</sup>-Chofle EP00730_Choanoeca_flexa_P001649 | OG0 |
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39
                    <sup>100</sup> Eupdun Edun_sb10660437 | OG1 |
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                         <sup>100</sup>Beraby_Baby_sb337871 | OG1 |
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                           Mlei ML0857.g2.i1 | OG1 |
                        <sup>100</sup> Vmul_sbMO420158 | OG1 |
                            Horcal Hcv1.av93.c3.g161.i1 | OG1 |
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                         <sup>100</sup>-Pbac_sb2661301 | OG1 |
                               Mertsp_Mesp_sb566420 | OG1 |
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                                 *Bolinf Binf sb1211160 | OG1 |
                               <sup>67</sup> Bolinf Binf sb1211161 | OG1 |
                        86
                                 Lampan Lpan C413551 01 | OG1 |
                                     •Coemet_Cmet_C598209_01 | OG1 |
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                                       Coeast Cast sb784128 | OG1 |
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                                          •Coeast Cast sb784130 | OG1 |
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                                            Coeast Cast sb784131 | OG1 |
                                              Coeast Cast sb784132 | OG1 |
                                                Coeast Cast sb/84133 | UG1 |
                                              <sup>69</sup> Coeast_Cast_sb784134 | OG1 |
               Dgig XM 028543854.1 | OG1 |
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48
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                    -Adig XM 015917696.1 | OG1 |
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                                  -Tcas_TC012611_001 | OG1 |
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                          -HoiH23 PIH23 006859-RA | OG1 |
                       <sup>100</sup><sup>1</sup>-HoiH06 mRNA10198 | OG1 |
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_ _|Hhon_g06224.t1 | OG1 | ⁹⁹ HoiH04 mRNA17337 | OG1 |