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•Plespi Pspi scaffold5160 01 | OG0 |
                 -Tetwil_g2035.t1 | OG0 |
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   96
              Stycar maker-SC scaffold2203-augustus-gene-0.8-mRNA-1 | OG0 |
                    -Aque_Aqu2.1.21527_001 | OG0 |
     86
                   Xestes_maker-XT_scaffold5994-augustus-gene-0.62-mRNA-1 | OG0 |
               •Spolac c97240 g1 i1 m.14572c97240-g1 | OG0 |
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                -Emue_Em0010g800a.t1 | OG0 |
                Opea_EP00118_Oscarella_pearsei_P025074 | OG0 |
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46
                     •Plajan_Pjan_C547635_01 | OG0 |
                      <sub>!</sub>Clacor_Ccor_scaffold10477_01 | OG0 |
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                   <sup>100</sup> Clacor Ccor_scaffold10478_01 | OG0 |
                         •Leuniv_Lniv_C798966_01 | OG0 |
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                            -Lcom_lcpid111023 | OG0 |
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                              Gracom_Gcom_scaffold15260_01 | OG0 |
                             •Scil scict024087.1 | OG0 |
  30

    Saldol EP00054 Salpingoeca dolichothecata P037439 | OG0 |

                                                Salmac EP00052 Salpingoeca macrocollata P034055 | OG0 |
                                 Didcos_EP00039_Didymoeca_costata_P019068 | OG0 |
                 52
                                 Diagra_EP00040_Diaphanoeca_grandis_P017485 | OG0 |
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                                  Stedip EP00041 Stephanoeca diplocostata P041926 | OG0 |
                                   Acaspe EP00035 Acanthoeca spectabilis P021246 | OG0 |
                              <sup>100</sup><sup>1</sup>-Helnan_EP00037_Helgoeca_nana_P006268 | OG0 |
               84
                          Salkve_EP00050_Salpingoeca_kvevrii_P007249 | OG0 |
                              Salurc_EP00051_Salpingoeca_urceolata_P027579 | OG0 |
                    68
                                                          Codhol EP00042 Codosiga hollandica P031339 | OG0 |
                                             <sup>1001</sup>-Codhol_EP00042_Codosiga_hollandica_P031341 | OG0 |
                              Salmac_EP00052_Salpingoeca_macrocollata_P031522 | OG0 |
                 39
                                    •Mylflu_EP00047_Mylnosiga_fluctuans_P002785 | OG0 |
                      83
                                Salpun EP00053 Salpingoeca punica P004560 | OG0 |
                                 •Lcom | lcpid167230 | OG0 |
                    39
                                    •Mbre EDQ85422 | OG0 |
                                     •Chofle_EP00730_Choanoeca_flexa_P012489 | OG0 |
                          100
                                    -Choper_EP00045_Choanoeca_perplexa_P012684 | OG0 |
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                                    •Microa_EP00043_Microstomoeca_roanoka_P028399 | OG0 |
                              100
                                       •Sros EGD74962 | OG0 |
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                                                    Salinf EP00049 Salpingoeca infusionum P001147 | OG0 |
                                         Salinf EP00049 Salpingoeca infusionum P009404 | OG0 |
                                   Galinf_EP00049_Salpingoeca_infusionum_P009406 | OG0 |
             <sub>|</sub>-HoiH23_PIH23_010595-RA | OG1 |
                •HoiH06 mRNA2695 | OG1 |
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                     TrH2 TrispH2 000832-RA | OG1 |
                  <sup>100</sup> Tadh TriadT38242 | OG1 |
                    -HoiH11_mRNA7265 | OG1 |
                      •Hhon_g08116.t1 | OG1 |
                    100 HoiH04 mRNA15500 | OG1 |
                                  Dgig XM 028553268.1 | OG1 |
                                  •Xesp_021372-T1 | OG1 |
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                                             •Morvir_scaffold658.g5.t1 | OG1 |
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                                                •Sanmal_Sma_023521-T1 | OG1 |
                                               Nemnom g12134.t1 | OG1 |
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                                       •Exapal_XM_021056235.2 | OG1 |
                                       •Nvec_v1g158355 | OG1 |
                                     -Spis_XP_022791274 1 | OG1 |
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                                  <sup>100</sup>¹•Pocdam XM_027187314.1 | OG1 |
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                                       -Gfas_gfas1.m1.1317.m1 | OG1 |
    69
                                          -Amil_Amillepora33568-RA | OG1 |
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                      •Spur XM 783252.5 | OG1 |
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                   •Skow XM 002737060.2 | OG1 |
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                      ·Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA19779 | OG1 |
                      •Acagra_model.g10810.t1 | OG1 |
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                         •Cgig_XM_020065020.2 | OG1 |
                          •Tcas TC011294 001 | OG1 |
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                     Hsap_ENST00000456936 | OG1 |
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                             -Hsap_ENST00000427199 | OG1 |
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                     <sup>100</sup> Hsap_ENST00000282382 | OG1 |
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                                     •Lcom_lcpid205507 | OG1 |
                                          •Skow_XM_002732612.1 | OG1 |
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                                                    -Bralan BLAG04000446_2 | OG1 |
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                                          •Cgig_XM_034470228.1 | OG1 |
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                   <sub>[</sub>Amil_Amillepora05213-RA | OG1 |
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                  <sub>-</sub>-Spis_XP_022784038_1 | OG1 |
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                •Dgig_XM_028546528.1 | OG1 |
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                           100 Chem_TCONS_00014648 | OG1 |
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                       -Rhoesc_Res_013129-T1 | OG1 |
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                             <sup>100</sup> Sanmal_Sma_026279-T1 | OG1 |
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                                81 Horcal_Hcv1.av93.c6.g156.i2 | OG1 |
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                         88
                                   Eupdun_Edun_sb10630175 | OG1 |
                                 <sup>1001</sup>-Eupdun_Edun_sb10630176 | OG1 |
                                          -Drygla_Dgla_sb286176 | OG1 |
                                     Beraby_Baby_sb335309 | OG1 |
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                                      Beraby_Baby_sb335311 | OG1 |
                                       Beraby_Baby_sb335308 | OG1 |
                                      <sup>1</sup> Beraby_Baby_sb335310 | OG1 |
                             78
                                     Mlei ML0544.g3.i1 | OG1 |
                                  <sup>100</sup> Vmul_sbMO436855 | OG1 |
                                    Mertsp_Mesp_sb583236 | OG1 |
                                      <u>|</u>Mertsp_Mesp_sb583238 | OG1 |
                                          Bolinf_Binf_sb1207870 | OG1 |
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                                        88 | Mertsp_Mesp_sb583237 | OG1 |
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