```
Opea EP00118 Oscarella pearsei P016893 | OG0 |
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                   •Ocar_g9977 | OG0 |
                      Opea_EP00118_Oscarella_pearsei_P016894 | OG0 |
 82
              •Plespi Pspi scaffold14425 01 | OG0 |
                 •Stycar_maker-SC_scaffold2024-augustus-gene-0.20-mRNA-1 | OG0 |
                   •Xestes_maker-XT_scaffold3417-augustus-gene-0.11-mRNA-1 | OG0 |
        96
   83
                          -Aque_Aqu2.1.27262_001 | OG0 |
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     100
                      +Halamb c46993 g1 i4mm.2118 | OG0 |
            •Spolac_c103691_g2_i3_m.35590c103691-g2 | OG0 |
                  •Emue_Em0008g944a.t1 | OG0 |
                            -Tetwil_g10640.t1 | OG0 |
          62
                                        <sub>r</sub>Stycar_maker-SC_scaffold120718-snap-gene-0.13-mRNA-1 | OG0 |
             61
                                     100<sup>1</sup>-Stycar maker-SC_scaffold82322-snap-gene-0.3-mRNA-1 | OG0 |
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              •Leuniv_Lniv_C770454_01 | OG0 |
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                 Lcom | lcpid99187 | OG0 |
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                               -Bolinf_Binf_sb1210259 | OG0 |
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                            Beraby Baby sb320163 | OG0 |
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                                 •Beraby_Baby_sb320164 | OG0 |
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                                   -Vmul SimC392396 | OG0 |
                                   •Coeast_Cast_sb759948 | OG0 |
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                                    Coemet_Cmet_scaffold20973_01 | OG0 |
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                                      <u>r</u>Codhol_EP00042_Codosiga_hollandica_P037680 | OG0 |
                                           Codhol EP00042 Codosiga hollandica P037681 | OG0 |
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                                  Diagra_EP00040_Diaphanoeca_grandis_P027072 | OG0 |
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                                  Stedip_EP00041_Stephanoeca_diplocostata_P026388 | OG0 |
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                   100
                                      Helnan EP00037 Helgoeca nana P014147 | OG0 |
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                                          -Acaspe EP00035 Acanthoeca spectabilis P006860 | OG0 |
                                  1001-Acaspe_EP00035_Acanthoeca_spectabilis_P006861 | OG0 |
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                             ·Salurc_EP00051_Salpingoeca_urceolata_P014310 | OG0 |
                                  -Salkve_EP00050_Salpingoeca_kvevrii_P015342 | OG0 |
                98
                                   Saldol EP00054 Salpingoeca dolichothecata P039126 | OG0 |
                             Salmac EP00052 Salpingoeca macrocollata P011555 | OG0 |
             68
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                              Salpun_EP00053_Salpingoeca_punica_P015349 | OG0 |
                                       •Mylflu_EP00047_Mylnosiga_fluctuans_P018990 | OG0 |
               70
                                         •Chofle_EP00730_Choanoeca_flexa_P012746 | OG0 |
                                         Choper EP00045 Choanoeca_perplexa_P015940 | OG0 |
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                                         Salinf_EP00049_Salpingoeca_infusionum_P023664 | OG0 |
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                                   | Salinf_EP00049_Salpingoeca_infusionum_P023665 | OG0
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                                            •Microa_EP00043_Microstomoeca_roanoka_P027561 | OG0 |
                                           •Sros_EGD78674 | OG0 |
                 Spur_XM_789254.4 | OG0 |
                  Skow XM 006813581.1 | OG0 |
         69
                   •Bralan_BLAG11000904_1 | OG0 |
                     Hsap_ENST00000380729 | OG0 |
                   1001 Hsap ENST00000274400 | OG0 |
       73
                  •Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA178402 | OG0 |
                    Acagra model.g29998.t1 | OG0 |
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                           _XM_023387399.1 | OG0 |
                           •Tcas_TC001923_001 | OG0 |
                             Dpul_mRNA11296 | OG0 |
                                  Dpul mRNA20260 | OG0 |
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                                     Dpul_mRNA12583 | OG0 |
                                  100 Dpul_mRNA18225 | OG0 |
     64
                       •HoiH11_mRNA2339 | OG0 |
                        TrH2_TrispH2 005084-RA | OG0 |
                   83
                      <sup>1001</sup>Tadh_TriadT57351 | OG0 |
                        HoiH23 PIH23 001378-RA | OG0 |
                     <sup>100</sup> HoiH06_mRNA1307 | OG0 |
                         <sub>•</sub>Hhon_g09212.t1 | OG0 |
                      100 HoiH04 mRNA3740 | OG0 |
                    •Morvir scaffold154.g21.t1 | OG0 |
                         Chem TCONS 00003407 | OG0 |
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                        •Aaur_scaffold2462.g2.t1 | OG0 |
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                          •Nemnom g4125.t1 | OG0 |
                           •Nemnom_g4124.t1 | OG0 |
         95
                        84 -Rhoesc_Res_010073-T1 | OG0 |
                       Dgig_XM_028540771.1 | OG0 |
                       •Xesp 004797-T1 | OG0 |
                      •Exapal XM 021051328.2 | OG0 |
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                      •Nvec_v1g101079 | OG0 |
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                           •Nvec_v1g147480 | OG0 |
                    •Adig_XM_015908640.1 | OG0 |
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                          -Spis XP 022789100 1 | OG0 |
                       -Gasp_gasp1.m3.18891.m1 | OG0 |
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