```
<sub>r</sub>Salurc_EP00051_Salpingoeca_urceolata_P022041 | OG0 |
                      ·Salurc_EP00051_Salpingoeca_urceolata_P022031 | OG0 |
              100
                      Salurc_EP00051_Salpingoeca_urceolata_P022040 | OG0 |
                 100°
                                     Salurc_EP00051_Salpingoeca_urceolata_P022032 | OG0 |
                   96
                             100 Salurc EP00051 Salpingoeca_urceolata_P022033 | OG0 |
                       •Lcom lcpid200553 | OG0 |
           60
                               •Mylflu_EP00047_Mylnosiga_fluctuans_P005398 | OG0 |
   100
                             •Lcom | lcpid125079 | OG0 |
                                            •Microa_EP00043_Microstomoeca_roanoka_P025281 | OG0 |
          98
                                   Sros EGD81466 | OG0 |
                            •Mbre EDQ91088 | OG0 |
             100
                            ·Choper_EP00045_Choanoeca_perplexa_P013434 | OG0 |
                 100
                             Chofle_EP00730_Choanoeca_flexa_P015597 | OG0 |
                      100
                                  •Chofle_EP00730_Choanoeca_flexa_P015598 | OG0 |
                              Salmac EP00052 Salpingoeca macrocollata P003438 | OG0 |
                 100
                                                Salpun EP00053 Salpingoeca punica P009318 | OG0 |
                           Salkve EP00050 Salpingoeca kvevrii P014838 | OG0 |
                                       •Codhol_EP00042_Codosiga_hollandica_P045648 | OG0 |
            76
                                 1001-Codhol_EP00042_Codosiga_hollandica_P045650 | OG0 |
        35
                          Saldol_EP00054_Salpingoeca dolichothecata P003864 | OG0 |
                          Didcos EP00039 Didymoeca costata P019344 | OG0 |
                            Diagra EP00040 Diaphanoeca grandis P022265 | OG0 |
             100
                                   •Acaspe_EP00035_Acanthoeca_spectabilis_P035931 | OG0 |
                100
                                  •Helnan_EP00037_Helgoeca_nana_P032714 | OG0 |
                                  Stedip EP00041 Stephanoeca diplocostata P020314 | OG0 |
                    100
                                75 Stedip EP00041 Stephanoeca diplocostata P020317 | OG0 |
                                   Stedip EP00041 Stephanoeca diplocostata P020315 | OG0 |
                                | Stedip EP00041_Stephanoeca_diplocostata_P020316 | OG0
                      -HoiH11_mRNA5329 | OG1 |
                        TrH2 TrispH2 000400-RA | OG1 |
                      <sup>100</sup>¹Tadh TriadT30090 | OG1 |
                100
                       •HoiH23 PIH23 000454-RA|OG1|
                     <sup>95</sup>-HoiH06 mRNA12774 | OG1 |
                        Hhon g05786.t1 | OG1 |
                     <sup>100</sup> HoiH04 mRNA3983 | OG1 |
                   Opea EP00118 Oscarella_pearsei_P018578 | OG1 |
                          •Clacor_Ccor_scaffold10389_01 | OG1 |
                              Leuniv_Lniv_C812728_01 | OG1 |
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                                •Lcom_lcpid100286 | OG1 |
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                                  •Gracom_Gcom_C559630_01 | OG1 |
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                                         •Scil scict000810.2 | OG1 |
                            •Plespi_Pspi_scaffold11387_01 | OG1 |
                                Xestes_maker-XT_scaffold3785-augustus-gene-0.59-mRNA-1 | OG1 |
                                     •Aque_Aqu2.1.29540_001 | OG1 |
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                                      •Halamb c11413 g1 i1m.1876 | OG1 |
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                                 Tetwil g2371.t1 | OG1 |
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                                       Stycar_maker-SC_scaffold127236-augustus-gene-0.3-mRNA-1 | OG1 |
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                                   100 Stycar_maker-SC_scaffold142519-snap-gene-0.105-mRNA-1 | OG1 |
                        87
                                   Spolac_c102386_g2_i1_m.29111c102386-g2 | OG1 |
                                     Emue Em0819g1a.t1 | OG1 |
                                 <sup>1001</sup>•Emue Em0019g154a.t1 | OG1 |
                           •Morvir_scaffold31.g81.t1 | OG1 |
                              Chem_TCONS_00014614 | OG1 |
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                               •Hvul_g13508_1 | OG1 |
        39
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                          •Sanmal Sma 029101-T1 | OG1 |
                         •Aaur scaffold21.g49.t1 | OG1 |
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                           •Nemnom g17254.t1 | OG1 |
                           •Rhoesc Res 001580-T1 | OG1 |
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                          Dgig_XM_028542987.1 | OG1 |
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                         •Nvec v1g32018 | OG1 |
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                         •Exapal XM 021053711.2 | OG1 |
                           Gfas_gfas1.m1.8893.m1 | OG1 |
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                           <sub>[</sub>•Amil_Amillepora15182-RA | OG1 |
                         <sup>1001</sup>Adig _XM_015921387.1 | OG1 |
                            Spis_XP_022788069 1 | OG1 |
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                        <sup>100</sup> Pocdam_XM_027194291.1 | OG1 |
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                           -Fspp_ffun1.m4.2519.m1 | OG1 |
                          •Hsap_ENST00000377190 | OG1 |
                           •Spur XM 030999058.1 | OG1 |
                          •Bralan_BLAG04000965_2 | OG1 |
                             •Skow_XM_002740195.2 | OG1 |
                          Acagra_model.g16348.t1.1.5d3b8885 | OG1 |
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                            -Cgig XM 034470218.1 | OG1 |
                          Cscu XM 023372012.1 | OG1 |
                86
                                 •Cscu_XM_023356965.1 | OG1 |
                              •Tcas_TC009927_001 | OG1 |
                                •Dpul mRNA22665 | OG1 |
                       •Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA174092 | OG1 |
                                 Eupdun Edun sb10607971 | OG1 |
              52
                                    -Horcal_Hcv1.av93.c9.g678.i1 | OG1 |
                                       Pbac_sb2664458 | OG1 |
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                                    100
                                    •Mlei_ML2968.g2.i1 | OG1 |
                                       •Lampan Lpan 15602 01 | OG1 |
                                40
                                          Beraby_Baby_sb339326 | OG1 |
                                           Beraby_Baby_sb339327 | OG1 |
                                  40
                                          <sup>1]</sup>Beraby_Baby_sb339328 | OG1 |
                                    54
                                           Vmul sbMO444255 | OG1 |
                                             <u>-Coemet_Cmet_scaffold19141_01 | OG1 |</u>
                                                 •Coeast_Cast_sb797582 | OG1 |
                                                 _Coeast_Cast_sb797580 | OG1 |
                                                83 Coeast Cast_sb797581 | OG1 |
0.416667
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