```
Chem TCONS 00049801 | OG0 |
           •Morvir scaffold9.g79.t1 | OG0 |
              •Sanmal Sma 013044-T1 | OG0 |
     92
                     •Hvul_g3972_1 | OG0 |
                Nemnom g15348.t1 | OG0 |
            <sup>100</sup> Rhoesc_Res_000406-T1 | OG0 |
                  <sub>[</sub>•Horcal_Hcv1.av93.c1.g1368.i1 | OG0 |
                   --Pbac_sb2662312 | OG0 |
                        Coeast Cast sb782443 | OG0 |
            100
                        •Vmul SimC388276 | OG0 |
 72
                         •Mlei ML4635.g29.i1 | OG0 |
               86
                          Bolinf_Binf_sb1208336 | OG0 |
                       <sup>100</sup> Mertsp_Mesp_sb526206 | OG0 |
                            -Lampan_Lpan_C405711_01 | OG0 |
                 85
                            Beraby_Baby_sb340718 | OG0 |
                         Bolinf Binf sb1178196 | OG0 |
                           Mertsp_Mesp_sb597203 | OG0 |
                            Mertsp_Mesp_sb597205 | OG0 |
   19
                             Mertsp_Mesp_sb597204 | OG0 |
                              Mertsp_Mesp_sb597201 | OG0 |
                              <sup>1</sup>Mertsp Mesp sb597207 | OG0 |
                  •Hsap_ENST00000216259 | OG0 |
         100
                 •Hsap_ENST00000268261 | OG0 |
                -Bralan_BLAG09000670_1 | OG0 |
                    •Skow XM 002734532.2 | OG0 |
                      •Dpul mRNA30638 | OG0 |
         53
                         •Tcas_TC005557_001 | OG0 |
                      Cscu XM 023375096.1 | OG0 |
                        Spur_XM_030999723.1 | OG0 |
       60
                      <sup>100</sup> Spur XM 788391.5 | OG0 |
                  Acagra model.g3535.t1 | OG0 |
            92
                       •Cgig_XM_034455439.1 | OG0 |
                    Ctel gnl WGS AMQN CAPTEDRAFT mRNA221704 | OG0 |
         67
                          <sub>*</sub>TrH2_TrispH2_008306-RA | OG0 |
            38
                       <sup>100</sup><sup>1</sup>Tadh_TriadT52968 | OG0 |
                            •HoiH11 mRNA1486 | OG0 |
                    100
                                -HoiH23 PIH23 006190-RA | OG0 |
                            <sub>•</sub>Hhon_g07796.t1 | OG0 |
                            <sup>1001</sup>•HoiH04 mRNA9563 | OG0 |
                 •Dgig XM 028539408.1 | OG2 |
          100
                -Xesp_025935-T1 | OG2 |
                   •Dpul_mRNA18477 | OG2 |
     56
                       Lcom_lcpid127862 | OG2 |
                          •Plespi Pspi C587496 01 | OG2 |
                          Spur XM 030984857.1 | OG2 |
                       <sup>100</sup> Spur XM_030999718.1 | OG2 |
   52
                    ·Codhol_EP00042_Codosiga_hollandica_P038206 | OG3 |
                   ·Salmac_EP00052_Salpingoeca_macrocollata_P027674 | OG3 |
          96
                     Salpun EP00053 Salpingoeca punica P003702 | OG3 |
                  Salinf EP00049 Salpingoeca infusionum P027114 | OG3 |
       100
                    •Mylflu_EP00047_Mylnosiga_fluctuans_P002468 | OG3 |
                       Salurc_EP00051_Salpingoeca_urceolata_P027444 | OG3 |
                           Diagra_EP00040_Diaphanoeca_grandis_P005527 | OG3 |
                           Didcos EP00039 Didymoeca costata P008041 | OG3 |
            75
                   100
                           Stedip EP00041 Stephanoeca diplocostata P007867 | OG3 |
                            •Acaspe_EP00035_Acanthoeca_spectabilis_P020415 | OG3 |
              37
                             •Helnan_EP00037_Helgoeca_nana_P002599 | OG3 |
                        ·Saldol_EP00054_Salpingoeca_dolichothecata_P002308 | OG3 |
                          Lcom | lcpid204039 | OG3 |
                            •Microa EP00043 Microstomoeca_roanoka_P027370 | OG3 |
                            •Sros EGD83221 | OG3 |
                                -Salinf_EP00049_Salpingoeca_infusionum_P027113 | OG3 |
                             •Chofle_EP00730_Choanoeca_flexa_P005845 | OG3 |
                               rChoper_EP00045_Choanoeca_perplexa_P021655 | OG3 |
                                -Mbre_EDQ91618 | OG3 |
           Opea_EP00118_Oscarella_pearsei_P010122 | OG1 |
              Opea_EP00118_Oscarella_pearsei_P010120 | OG1 |
                <sub>-</sub>•Ocar_g3538 | OG1 |
             ____Opea_EP00118_Oscarella_pearsei_P010121 | OG1 |
            Clacor Ccor scaffold11569_01 | OG1 |
                •Scil scict010829.1 | OG1 |
       98
   57
                •Gracom_Gcom_C543590_01 | OG1 |
          100
                   -Lcom_lcpid100070 | OG1 |
               <sup>100</sup><sup>1</sup>-Leuniv_Lniv_C809094_01 | OG1 |
                         •Stycar snap masked-SC scaffold100827-processed-gene-0.4-mRNA-1 | OG1 |
                   •Tetwil_g23482.t1 | OG1 |
     66
                     -Spolac_c91572_g1_i1_m.7022c91572-g1 | OG1 |
                  <sup>100</sup><sup>-</sup>-Emue_Em0013g889a.t1 | OG1 |
            92
                   Xestes_maker-XT_scaffold176-augustus-gene-0.21-mRNA-1 | OG1 |
                    •Aque_Aqu2.1.41989_001 | OG1 |
                       -Halamb_c17872_g1_i1m.3007 | OG1 |
                       <sub>s</sub>Halamb_c42339_g2_i1m.14808 | OG1 |
                     <sup>941</sup>-Halamb_c42339_g1_i1m.14806 | OG1 |
                •Nvec_v1g159761 | OG1 |
                  Exapal XM 021045464.2 | OG1 |
         98
                    -Spis_XP_022784095_1 | OG1 |
                 <sup>100</sup><sup>L</sup>-Pocdam_XM_027187599.1 | OG1 |
            81
                      <sub>'</sub>Gasp_gasp1.m3.5378.m1 | OG1 |
              100
                   <sup>100</sup> Gasp_gasp1.m3.5379.m1 | OG1 |
                       Fspp ffun1.m4.13404.m1 | OG1 |
                         •Gfas_gfas1.m1.19715.m1 | OG1 |
                             •Adig_XM_015912754.1 | OG1 |
                             ramil_Amillepora23250-RA | OG1 |
                           <sup>100</sup> Adig XM_015912798.1 | OG1 |
0.416667
```