```
•HoiH23 PIH23 003005-RA | OG0 |
                          100<sup>1</sup>•HoiH06_mRNA6525 | OG0 |
             •HoiH11 mRNA1297 | OG0 |
      100
              Hhon g11475.t1 | OG0 |
                   --TrH2_TrispH2_008540-RA | OG0 |
              <sup>981</sup>•HoiH04 mRNA10223 | OG0 |
               -Aque_Aqu2.1.41072_001 | OG0 |
                Xestes snap masked-XT scaffold4935-processed-gene-0.6-mRNA-1 | OG0 |
               •Emue Em0004g1578a.t1 | OG0 |
     94
                Spolac c103158 g1 i3 m.32748c103158-g1 | OG0 |
           100
 72
                  Spolac c103158 g1 i1 m.32744c103158-g1 | OG0 |
                    Spolac_c103158_g1_i2_m.32746c103158-g1 | OG0 |
                  <sup>71]</sup>Spolac c103158 g1 i6 m.32750c103158-g1 | OG0 |
                   •Exapal_XM_021039476.2 | OG0 |
             99
                   Nvec v1g94276 | OG0 |
                  Adig XM 015921180.1 | OG0 |
         92
                     •Amil Amillepora08325-RA | OG0 |
                       Fspp ffun1.m4.25572.m1 | OG0 |
   81
                            •Gfas_gfas1.m1.13958.m1 | OG0 |
                     •Spis XP 022787313_1 | OG0 |
       70
                 100<sup>1</sup>-Pocdam XM 027203284.1 | OG0 |
                   Dgig XM 028548783.1 | OG0 |
                 •Morvir scaffold140.g47.t1 | OG0 |
         99
                         •Hvul g11725 1 | OG0 |
           100
                        Chem TCONS 00036753 | OG0 |
                                  •Sanmal Sma 005543-T1 | OG0 |
              96
                           •Nemnom_g17770.t1 | OG0 |
                 100
     66
                         Rhoesc Res 005228-T1 | OG0 |
                                        Aaur scaffold232.g12.t1 | OG0 |
                 •Plajan_Pjan_C558121_01 | OG0 |
                    Ocar g10133 | OG0 |
                 Opea EP00118 Oscarella_pearsei_P009021 | OG0 |
                          Spur_XM_030993545.1 | OG0 |
                       <sup>100</sup> Spur XM 030990381.1 | OG0 |
       71
                      Skow XM 006814011.1 | OG0 |
                      •Hsap ENST00000297071 | OG0 |
                100
                      Hsap ENST00000453386 | OG0 |
         84
                             •Bralan_BLAG10000695_1 | OG0 |
                      Cscu_XM_023355619.1 | OG0 |
                                   •Cscu XM 023381550.1 | OG0 |
                           Tcas TC034297 002 | OG0 |
                  93
                               •Dpul mRNA187 | OG0 |
             64
                         Cgig XM 034458523.1 | OG0 |
                 89
                           •Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA155471 | OG0 |
                       Acagra_model.g19876.t1 | OG0 |
                    100<sup>1</sup>Acagra model.g19876.t1.1.5d3b89d4 | OG0 |
                       •Salmac_EP00052_Salpingoeca_macrocollata P005498 | OG0 |
                       •Codhol EP00042 Codosiga hollandica P030292 | OG0 |
      45
                               •Mbre_EDQ90533 | OG0 |
                         •Choper_EP00045_Choanoeca_perplexa_P008768 | OG0 |
        69
                            Chofle EP00730 Choanoeca flexa P003608 | OG0 |
          43
                    ·Salinf_EP00049_Salpingoeca_infusionum_P027255 | OG0 |
                          •Microa_EP00043_Microstomoeca_roanoka_P006079 | OG0 |
              98
    46
                              •Sros_EGD83325 | OG0 |
                 •Lcom_lcpid105598 | OG0 |
                    •Leuniv_Lniv_scaffold24607 01 | OG0 |
           100
                    Gracom_Gcom_scaffold9693_01 | OG0 |
                 <sup>100</sup> Gracom_Gcom_scaffold9694_01 | OG0 |
                  Clacor_Ccor_scaffold14284_01 | OG0 |
                          Lcom_lcpid110645 | OG0 |
         93
                             •Scil scict007411.1 | OG0 |
                 100
                             Leuniv_Lniv_scaffold23000_01 | OG0 |
                     100
                             -Gracom Gcom scaffold15346 01 | OG0 |
                         Saldol_EP00054_Salpingoeca_dolichothecata_P012469 | OG0 |
                Horcal Hcv1.av93.c4.g695.i1 | OG0 |
           100
                         -Pbac sb2666003 | OG0 |
                 Bolinf_Binf_sb1243037 | OG0 |
                  Beraby Baby sb332885 | OG0 |
         99
               <sup>100</sup>Beraby_Baby_sb332886 | OG0 |
                  Lampan_Lpan_11175_01 | OG0 |
           92
   47
               <sup>100</sup> Lampan Lpan 11176 01 | OG0 |
                   •Vmul sbMO435805 | OG0 |
             94
                     Coemet Cmet scaffold14871 01 | OG0 |
                   Coeast Cast sb824977 | OG0 |
                 98
                        Coeast Cast sb824967 | OG0 |
                          Coeast Cast sb824975 | OG0 |
     86
                              Coeast Cast sb824966 | OG0 |
                       100
                            Coeast Cast sb824989 | OG0 |
                              *Coeast Cast sb824973 | OG0 |
                            78 Coeast Cast sb824986 | OG0 |
                                       •Coemet Cmet C589367 01 | OG0 |
                                         Coeast Cast sb770960 | OG0 |
                                   100
                                      100 Coeast Cast sb770959 OG0
                                     Bolinf Binf sb1227696 | OG0 |
                                   100 Bolinf Binf sb1227697 | OG0 |
                      100
                              93
                                            Drygla Dgla sb296151 | OG0 |
                                         100 Drygla Dgla sb296150 | OG0 |
                                            <sup>1</sup>Drygla_Dgla_sb296152 | OG0 |
                            98
                                    •Mlei_ML1906.g12.i1 | OG0 |
                                           Mertsp Mesp sb564278 | OG0 |
                              92
                                         631 Mertsp Mesp sb564279 | OG0 |
                                             Mertsp Mesp sb564276 | OG0 |
                                      100
                                           991•Mertsp_Mesp_sb564277 | OG0 |
                                             Mertsp Mesp sb564274 | OG0 |
                                               Mertsp Mesp sb564275 | OG0 |
                                                 Bolinf Binf sb1228984 | OG0 |
                                                <sup>79</sup> Bolinf Binf sb1228985 | OG0 |
0.416667
```