```
<sub>"</sub>-Bralan BLAG11000301 1 | OG0 |
                                                                -Cscu XM 023388676.1 | OG0 |
            -Hsap_ENST00000271628 | OG1 |
           Skow_XM_002732384.2 | OG1 |
               •Spur_XM_011670077.2 | OG1 |
 52
                    Cscu XM 023366872.1 | OG1 |
                 100 Cscu XM_023384672.1 | OG1 |
   58
            99
                                                 •Cscu_XM_023355251.1 | OG1 |
                    Cscu XM 023355345.1 | OG1
                  611 Cscu XM 023366802.1 | OG1 |
                       -Tcas TC003731 001 | OG1 |
                       •Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA163289 | OG1 |
            86
                          •Cgig_XM_011428883.3 | OG1 |
              90
                        •Acagra_model.g29823.t1 | OG1 |
                                 Eupdun Edun sb10632638 | OG1 |
       93
                              100 Eupdun Edun_sb10632639 | OG1 |
                                  •Coeast_Cast_sb794121 | OG1 |
                                -Coeast_Cast_sb794122 | OG1 |
                    100
                                 *Coemet Cmet scaffold21550 01 | OG1 |
                                <sup>55</sup>—•Vmul_Simscaffold14390_01 | OG1 |
                        99
                                   Horcal Hcv1.av93.c3.g324.i1 | OG1 |
                                <sup>100</sup> Pbac_sb2666443 | OG1 |
                                 -Lampan_Lpan_15811_01 | OG1 |
                                   Bolinf_Binf_sb1207994 | OG1 |
                            96
                                <sup>100</sup> Beraby_Baby_sb339165 | OG1 |
                                      <sub>|</sub>Mlei_ML0105.g20.i1 | OG1 |
                                   <sup>100</sup> Vmul_sbMO384660 | OG1 |
                                     Bolinf_Binf_sb1242308 | OG1 |
                                       Mertsp Mesp sb556451 | OG1 |
                                         _Bolinf_Binf_sb1242309 | OG1 |
                                       <sup>79</sup> Mertsp Mesp sb556452 | OG1 |
                                                                        •Nvec_NVE11889 | OG1 |
                               •Exapal_XM_021044778.2 | OG1 |
                              •Nvec_v1g165384 | OG1 |
                               <sub>-</sub>-Dgig_XM_028538453.1 | OG1 |
                62
                                  *Xesp 013354-T1 | OG1 |
                                   -Xesp_013379-T1 | OG1 |
                         rGfas_gfas1.m1.17836.m1 | OG1 |
                  39
                                      •Adig_XM_015909997.1 | OG1 |
                          •Fspp ffun1.m4.6713.m1 | OG1 |
                     40
                              •Spis_XP_022808538 1 | OG1 |
                           <sup>1001</sup>-Pocdam_XM_027195084.1 | OG1 |
                              •Gasp_gasp1.m3.2596.m1 | OG1 |
                                          •Dpul_mRNA592 | OG1 |
                                  -Amil Amillepora19457-RA | OG1 |
                                   -Plajan Pjan C554109 01 | OG1 |
                                          Popea_EP00118_Oscarella_pearsei_P026009 | OG1 |
                          98
                                       <sup>100</sup>Ū-Ocar_g2995 | OG1 |
                                -HoiH11 mRNA9246 | OG1 |
              75
                                     <sub>!</sub>Hhon_g03429.t1 | OG1 |
                  23
                                  <sup>100</sup> HoiH04 mRNA12352 | OG1 |
                                82
                                    -HoiH06_mRNA2657 | OG1 |
                                      <sub>P</sub>HoiH23_PIH23_006785-RA | OG1 |
                                        -•Tadh_TriadT26280 | OG1 |
                    53
                                      Sanmal Sma 010776-T1 | OG1 |
                                   •Morvir scaffold205.g19.t1 | OG1 |
                                      •Chem TCONS 00008772 | OG1 |
                       99
                               98
                                                   -Hvul_g3639_1 | OG1 |
                                      •Nemnom_g6345.t1 | OG1 |
                                  <sup>100</sup> Rhoesc_Res_010441-T1 | OG1 |
                                   <sub>-</sub>-Aaur_scaffold404.g5.t1 | OG1 |
                                <sup>1001</sup>Aaur _scaffold404.g6.t1 | OG1 |
                                ·Clacor Ccor scaffold8535 01 | OG1 |
                56
                             <sup>100</sup> Clacor _Ccor_scaffold8536_01 | OG1 |
                                      •Scil scict022913.1 | OG1 |
                                      Leuniv Lniv C802718 01 | OG1 |
                              100
                                          -Lcom_lcpid72913 | OG1 |
                                        •Gracom_Gcom_C545080_01 | OG1 |
                    69
                                      Plespi Pspi scaffold3099 01 | OG1 |
                                   100 Plespi Pspi scaffold3098 01 | OG1 |
                                       <sup>11</sup>Plespi Pspi scaffold3100 01 | OG1 |
                                    Spolac_c88308_g1_i1_m.4928c88308-g1 | OG1 |
                      94
                                      Spolac_c88308_g1_i2_m.4930c88308-g1 | OG1 |
                                        Spolac c88308 g1 i3 m.4932c88308-g1 | OG1 |
                                      83 Spolac c88308 g1 i4 m.4934c88308-g1 | OG1 |
                         92
                                         Tetwil g4998.t2 | OG1 |
                                           Xestes_maker-XT_scaffold4646-augustus-gene-0.23-mRNA-1 | OG1 |
                           58
                                               -Halamb_c48280_g2_i2mm.2589 | OG1 |
                                  100
                                              -Aque_Aqu2.1.19007_001 | OG1 |
                                     99
                                        <sup>1001</sup>Aque _Aqu2.1.22387_001 | OG1 |
                                          •Mylflu_EP00047_Mylnosiga_fluctuans_P014863 | OG1 |
                               97
                                                                             Lcom lcpid140857 | OG1 |
                                                     Saldol_EP00054_Salpingoeca_dolichothecata_P035597 | OG1 |
                          50
                                          Salurc EP00051 Salpingoeca urceolata P002706 | OG1 |
                      97
                                                           •Codhol EP00042 Codosiga hollandica P046574 | OG1 |
                                         Diagra EP00040 Diaphanoeca grandis P026149 | OG1 |
                                              Didcos_EP00039_Didymoeca_costata_P019533 | OG1 |
                              100
                                                Acaspe_EP00035_Acanthoeca_spectabilis_P022356 | OG1 |
                                  99
                                                 •Helnan EP00037 Helgoeca nana P037707 | OG1 |
                                     100
                                                   Diagra EP00040 Diaphanoeca grandis P026146 | OG1 |
                                                     Stedip EP00041 Stephanoeca diplocostata P013021 | OG1 |
                          34
                                                  Salmac_EP00052_Salpingoeca_macrocollata_P005102 | OG1 |
                                 94
                                                         Salpun_EP00053_Salpingoeca_punica_P009340 | OG1 |
                              60
                                                     Salkve EP00050 Salpingoeca_kvevrii_P014888 | OG1 |
                                              99
                                                                            Salkve EP00050 Salpingoeca kvevrii P014889 | OG1 |
                                                      Salinf EP00049 Salpingoeca infusionum P002091 | OG1 |
                            33
                                                         •Microa_EP00043_Microstomoeca_roanoka_P012927 | OG1 |
                                         100
                                                 100
                                                         •Sros_EGD76172 | OG1 |
                                  100
                                                      •Mbre EDQ86802 | OG1 |
                                                   Chofle EP00730 Choanoeca flexa P015148 | OG1 |
                                        100
                                                   Choper EP00045 Choanoeca perplexa P002829 | OG1 |
0.416667
```