```
Bralan BLAG01000799 2 | OG0 |
   99
            -Hsap_ENST00000298248 | OG0 |
            •Skow_XM_002732554.2 | OG0 |
100
                Spur_XM_030995378.1 | OG0 |
                   -Spur XM 030995379.1 | OG0 |
                      Spur XM 030995382.1 | OG0
  61
                   <sup>1001</sup>-Spur_XM_030995383.1 | OG0 |
                 •Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA155064 | OG0 |
    16
                          •Cgig_XM_011441395.3 | OG0 |
         42
                         Cscu XM 023383898.1 | OG0 |
                         •Lcom lcpid205000 | OG0 |
                      •Tcas_TC015170_001 | OG0 |
           85
                   •Dpul_mRNA22384 | OG0 |
                                 -Lcom_lcpid161132 | OG0 |
                          -Acagra_model.g24685.t1 | OG0 |
         40
                                  •Lcom lcpid137708 | OG0 |
                           •Lcom_lcpid133385 | OG0 |
           68
                         •Acagra_model.g22669.t1 | OG0 |
                          •Cgig_XM_034475372.1 | OG0 |
             88
                       <sup>100</sup> Cgig XM_034475374.1 | OG0 |
                         •Cgig XM 034475380.1 | OG0 |
                           Cgig_XM_034475720.1 | OG0 |
                               -Cgig_XM_034475722.1 | OG0 |
          100 Ocar g7727 | OG1 |
  100
         Plajan Pjan scaffold4518 01 | OG1 |
          Plajan_Pjan_scaffold4517_01 | OG1 |
         <sup>1</sup>•Plajan_Pjan_scaffold4520_01 | OG1 |
                 Leuniv_Lniv_scaffold21807_01 | OG1 |
               1001 Leuniv_Lniv_scaffold21808_01 | OG1 |
                 Clacor_Ccor_scaffold14841_01 | OG1
       100
                Lcom lcpid88254 | OG1 |
                   •Gracom_Gcom_scaffold8023_01 | OG1 |
                   •Scil_scict015731.1 | OG1 |
                •Mylflu EP00047 Mylnosiga fluctuans P002917 | OG1 |
    82
                   •Didcos_EP00039_Didymoeca_costata_P020095 | OG1 |
                      Diagra EP00040 Diaphanoeca grandis P027687 | OG1 |
            100
                        -Acaspe_EP00035_Acanthoeca_spectabilis_P022157 | OG1 |
              98
                   <sup>100</sup>-Helnan_EP00037_Helgoeca_nana_P008317 | OG1 |
       100
                     Stedip_EP00041_Stephanoeca_diplocostata_P013197 | OG1 |
                   <sup>77</sup>

Stedip_EP00041_Stephanoeca_diplocostata_P013196 | OG1 |
100
                       -Saldol_EP00054_Salpingoeca_dolichothecata_P016981 | OG1 |
                          -Salinf_EP00049_Salpingoeca_infusionum_P005505 | OG1 |
                      Salinf_EP00049_Salpingoeca_infusionum_P005506 | OG1 |
              88
                   100
                            •Microa_EP00043_Microstomoeca_roanoka_P013118 | OG1 |
                            Sros EGD73270 | OG1 |
                100
                           •Mbre EDQ92392 | OG1 |
                          •Choper_EP00045_Choanoeca_perplexa_P015505 | OG1 |
                            100
                                 •Chofle_EP00730_Choanoeca_flexa_P019185 | OG1 |
            61
                          <sub>|</sub>Salkve_EP00050_Salpingoeca_kvevrii_P001790 | OG1 |
                          Salkve_EP00050_Salpingoeca_kvevrii_P001791 | OG1 |
                         Salpun_EP00053_Salpingoeca_punica_P020293 | OG1 |
                                       Stycar_augustus_masked-SC_scaffold77641-processed-gene-0.4-mRNA-1 | OG1 |
                             Salmac_EP00052_Salpingoeca_macrocollata_P007241 | OG1 |
                         <sup>1001</sup>-Salmac_EP00052_Salpingoeca_macrocollata_P007240 | OG1 |
              89
                        Salurc_EP00051_Salpingoeca_urceolata_P028343 | OG1 |
                              -Codhol_EP00042_Codosiga_hollandica_P047259 | OG1
                               Codhol_EP00042_Codosiga_hollandica_P047254 | OG1 |
                86
                             681 Codhol EP00042 Codosiga hollandica P047257 | OG1 |
                                 Codhol EP00042 Codosiga hollandica P047260 | OG1 |
                         100
                              1001 Codhol EP00042 Codosiga hollandica P047264 | OG1 |
                                    →Codhol_EP00042_Codosiga_hollandica_P047261 | OG1 |
                            99
                                   Codhol_EP00042_Codosiga_hollandica_P047255 | OG1 |
                                  81 Codhol EP00042 Codosiga hollandica P047262 | OG1 |
                   •Aque Aqu2.1.33113 001 | OG1 |
           100
                       Xestes_maker-XT_scaffold119674-augustus-gene-0.10-mRNA-1 | OG1 |
                 *Tetwil g24572.t1 | OG1 |
       62
                               •Tetwil_g24573.t1 | OG1 |
        87
                  •Emue Em0023g596a.t1 | OG1 |
                   Spolac c102870 g1 i1 m.31384c102870-g1 | OG1 |
                <sup>1001</sup>Spolac_c102870_g1_i2_m.31386c102870-g1 | OG1 |
                    •Morvir_scaffold97.g31.t1 | OG1 |
                     •Aaur_scaffold815.g5.t1 | OG1 |
              100
                         •Nemnom_g4603.t1 | OG1 |
                         Rhoesc Res 008474-T1 | OG1 |
                     •Dgig_XM_028556043.1 | OG1 |
    28
                      Xesp_010357-T1 | OG1 |
                    <sup>100</sup> Xesp_010671-T1 | OG1 |
                             -Chem_TCONS_00047806 | OG1 |
           28
               94
                           •Hvul_g15087_1 | OG1 |
                      •Exapal XM 021041409.2 | OG1 |
                         <sub>|</sub>Nvec_v1g168735 | OG1 |
                       <sup>100</sup>-Nvec_v1g150101 | OG1 |
               90
                          •Gfas_gfas1.m1.7069.m1 | OG1 |
                 93
                          -Amil Amillepora19246-RA | OG1 |
                       <sup>100</sup> -Adig_XM_015909872.1 | OG1 |
                         •Gasp_gasp1.m3.22574.m1 | OG1 |
                           Fspp_ffun1.m4.7550.m1 | OG1 |
                            <sub>-</sub>-Spis_XP_022785467_1 | OG1 |
                          1001-Pocdam_XM_027180117.1 | OG1 |
                     -Plespi Pspi C603144 01 | OG1 |
                         Bolinf_Binf_sb1224002 | OG1 |
                           Mertsp_Mesp_sb550101 | OG1 |
                         68 Mertsp_Mesp_sb550102 | OG1 |
                             •Lampan Lpan 11642 01 | OG1 |
                    96
        55
                               •Horcal_Hcv1.av93.c1.g243.i1 | OG1 |
                        100
                             <sup>100</sup><sup>1</sup>-Pbac_sb2638269 | OG1 |
                      99
                                •Vmul_SimC391384 | OG1 |
                                •Coeast_Cast_sb754179 | OG1 |
                 100
                             100 - Coemet_Cmet_scaffold21085_01 | OG1 |
                         Beraby_Baby_sb339551 | OG1 |
                      <sup>100</sup> Beraby_Baby_sb339552 | OG1 |
                            •Drygla_Dgla_sb284886 | OG1 |
                    96
                            •Mlei_ML2582.g48.i1 | OG1 |
                               Bolinf Binf sb1241244 | OG1 |
                                 Bolinf Binf sb1241239 | OG1 |
                        93
                               87 Bolinf_Binf_sb1241241 | OG1 |
                          100
                               Bolinf_Binf_sb1241240 | OG1 |
                                  -Bolinf_Binf_sb1241248 | OG1 |
                                  Bolinf Binf sb1241238 | OG1 |
                                  1 Bolinf Binf sb1241243 | OG1 |
```

0.416667