```
•Dgig_XM_028555456.1 | OG0 |
                        •Xesp 010951-T1 | OG0 |
                            •Sanmal Sma 018836-T1 | OG0 |
           100
                             •Rhoesc_Res_006769-T1 | OG0 |
                             Sanmal Sma 027169-T1 | OG0 |
                     100
                              Sanmal Sma 027170-T1 | OG0 |
                        99
                                   -Aaur_scaffold6308.g1.t1 | OG0 |
                          93
                                  •Aaur scaffold1395.g1.t1 | OG0 |
                                  -Nemnom_g2403.t1 | OG0 |
                              1001-Rhoesc Res 001760-T1 | OG0 |
                                         •Tcas TC005997 001 | OG0 |
            97
                                         •Cscu XM 023370449.1 | OG0 |
 58
                    Bralan_BLAG09000285_1 | OG0 |
                          <sub>*</sub>Hsap_ENST00000295201 | OG0 |
             100
        100
                               -Hsap ENST00000400754 | OG0 |
                      Spur NM 214622.2 | OG0 |
           93
               100
                     •Skow XM 006812816.1 | OG0 |
                         rCtel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA182903 | OG0 |
                            rCtel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA213546 | OG0 |
             82
                         Ctel gnl WGS AMQN CAPTEDRAFT mRNA213472 | OG0 |
                        Lcom | lcpid93474 | OG0 |
               100
                                -Lcom_lcpid185511 | OG0 |
    98
                        Cgig_XM_011417796.3 | OG0 |
                           •Acagra_model.g5179.t1 | OG0 |
                           Lcom | lcpid125826 | OG0 |
                         <sup>991</sup>-Lcom | lcpid210549 | OG0 |
                         •Tcas_TC003160_001 | OG0 |
                         •Spur_XM_786113.5 | OG0 |
                         •Skow_XM_002732079.2 | OG0 |
                        Bralan_BLAG09000078_1 | OG0 |
          100
                            Hsap ENST00000338696 | OG0 |
                  100
                                 •Hsap_ENST00000283025 | OG0 |
                              Ctel gnl WGS AMQN CAPTEDRAFT mRNA19978 | OG0 |
             67
                              r•Acagra_model.g1813.t1.1.5d3b8343 | OG0 |
                     100
                               Acagra model.g3354.t1 | OG0 |
                                -Lcom lcpid122556 | OG0 |
                                -Cgig_XM_034472168.1 | OG0 |
               88
                         •Lcom_lcpid113259 | OG0 |
                             Acagra model.g4686.t1 | OG0 |
                 100
                            Acagra model.g4688.t1 | OG0 |
                           •Lcom_lcpid134981 | OG0 |
                          •Cgig_XM_011452681.3 | OG0 |
                   •Plespi_Pspi_scaffold18796_01 | OG1 |
                      •Aque_Aqu2.1.20539_001 | OG1 |
       95
                      •Halamb c48939 g1 i2mm.2839 | OG1 |
                        •Emue_Em0015g983a.t1 | OG1 |
          99
                       -Spolac_c98572_g1_i1_m.17540c98572-g1 | OG1 |
                      •Tetwil_g6534.t2 | OG1 |
                     Stycar_maker-SC_scaffold5351-snap-gene-0.14-mRNA-1 | OG1 |
     73
                 <sup>100</sup> Stycar maker-SC scaffold6110-augustus-gene-0.34-mRNA-1 | OG1 |
                •Plajan_Pjan_C557985_01 | OG1 |
                   Opea_EP00118_Oscarella_pearsei_P025902 | OG1 |
          98
                <sup>100</sup><sup>1</sup>-Ocar_g10290 | OG1 |
        93
                      •Clacor_Ccor_C538115_01 | OG1 |
                                    Leuniv Lniv scaffold7594 01 | OG1 |
              100
                                 <sup>100</sup> Leuniv_Lniv_scaffold7595_01 | OG1 |
   98
                        100
                                   -Lcom_lcpid84394 | OG1 |
                                       •Gracom_Gcom_scaffold13289_01 | OG1 |
                                     •Scil scict024720.1 | OG1 |
                        •Bolinf Binf sb1196707 | OG1 |
                      •Vmul SimC398638 | OG1 |
                      Coemet_Cmet_C598359_01 | OG1 |
      80
                   1001-Coeast_Cast_sb799600 | OG1 |
                    Eupdun_Edun_sb10650287 | OG1 |
            100
                       Eupdun_Edun_sb10650288 | OG1 |
                 100
                         Eupdun_Edun_sb10650292 | OG1 |
                       86 Eupdun_Edun_sb10650293 | OG1 |
               70
                     -Lampan_Lpan_11512_01 | OG1 |
                        -Pbac_sb2642861 | OG1 |
                     <sup>100</sup><sup>1</sup>Horcal_Hcv1.av93.c2.g877.i1 | OG1 |
                 99
                             -Mertsp Mesp sb569376 | OG1 |
                          <sup>691</sup>-Mertsp_Mesp_sb569375 | OG1 |
                            Mertsp Mesp sb569373 | OG1 |
                   99
                          62 Bolinf_Binf_sb1204277 | OG1 |
                               <sub>s</sub>Mlei_ML3055.g12.i1 | OG1 |
                             <sup>100</sup>-Vmul sbMO435330 | OG1 |
                                Mertsp_Mesp_sb559388 | OG1 |
                                 Bolinf_Binf_sb1234067 | OG1 |
 58
                                <sup>73</sup> Bolinf_Binf_sb1234068 | OG1 |
                               <u>-</u>Drygla_Dgla_sb296087 | OG1 |
                            <sup>1001</sup>Drygla_Dgla_sb296088 | OG1 |
                               Beraby_Baby_sb352659 | OG1 |
                                 Mertsp_Mesp_sb528170 | OG1 |
                                   _Bolinf_Binf_sb1295745 | OG1 |
                                 <sup>98</sup> Drygla_Dgla_sb310948 | OG1 |
                           •TrH2_TrispH2_009627-RA | OG2 |
                              Hhon_g04532.t1 | OG2 |
                      100
                           <sup>100</sup> HoiH04_mRNA4023 | OG2 |
                              <sub>-</sub>HoiH06 mRNA2368 | OG2 |
                            <sup>1001</sup>•HoiH23_PIH23_003366-RA|OG2|
     49
                                  •Tcas_TC031885_001 | OG2 |
            96
                                      •Dpul_mRNA12737 | OG2 |
                   Bralan_BLAG01002709_1 | OG2 |
       85
            98
                      •Hsap ENST00000338694 | OG2 |
                        •Ctel gnl WGS AMQN CAPTEDRAFT mRNA18699 | OG2 |
         66
              88
                                                •Cscu_XM_023362333.1 | OG2 |
                         •Spur_XM_777225.5 | OG2 |
                100
                       Skow XM 002734157.2 | OG2 |
                      Cgig_XM_011417999.3 | OG2 |
                         Lcom_lcpid138880 | OG2 |
                100
                            •Lcom_lcpid232546 | OG2 |
   41
                           -Acagra_model.g14446.t1.1.5d3b87b5 | OG2 |
                        <sup>100</sup> Acagra_model.g14446.t1 | OG2 |
              •Morvir_scaffold267.g33.t1 | OG2 |
                   •Sanmal_Sma_019215-T1 | OG2 |
       100
                   -Nemnom_g14775.t1 | OG2 |
             100
                <sup>100</sup> Rhoesc_Res_006489-T1 | OG2 |
          95
                    Chem TCONS 00069374 | OG2 |
                            -Hvul_g23503_1 | OG2 |
             99
                                         •Hvul_g1419_1 | OG2 |
                   •Dgig_XM_028541094.1 | OG2 |
                    -Xesp_004903-T1 | OG2 |
     81
                    •Nvec v1g243989 | OG2 |
         93
                    -Exapal_XM_021058998.2 | OG2 |
                     <sub>[</sub>Amil_Amillepora22315-RA | OG2 |
            100
                  <sup>100</sup> Adig _XM_015906974.1 | OG2 |
                       •Fspp_ffun1.m4.6232.m1 | OG2 |
                    <sup>991</sup>-Gasp_gasp1.m3.28954.m1 | OG2 |
       77
                       Pocdam_XM_027203983.1 | OG2 |
                         -Spis XP 022781556 1 | OG2 |
                        •Dgig_XM_028545775.1 | OG2 |
                       -Nvec v1g229523 | OG2 |
                    <sup>98</sup><sup>L</sup>-Exapal_XM_021053180.2 | OG2 |
                         <sub>[</sub>Amil_Amillepora30729-RA | OG2 |
                           -Adig_XM_015909061.1 | OG2 |
                           -Gasp_gasp1.m3.24611.m1 | OG2 |
                        <sup>85</sup>-Gfas_gfas1.m1.3505.m1 | OG2 |
                           Fspp_ffun1.m4.20581.m1 | OG2 |
                              Spis_XP_022799905_1 | OG2 |
                            <sup>100</sup>Pocdam XM 027188781.1 | OG2 |
0.416667
```