```
•Ctel gnl WGS AMQN CAPTEDRAFT mRNA189867 | OG0 |
   99
            Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA49922 | OG0 |
                     Xestes augustus masked-XT scaffold141885-processed-gene-0.2-mRNA-1 | OG0 |
                     Xestes augustus masked-XT scaffold176051-processed-gene-0.5-mRNA-1 | OG0 |
       100
                            Xestes augustus masked-XT scaffold149966-processed-gene-0.0-mRNA-1 | OG0 |
               •Xestes augustus masked-XT scaffold179463-processed-gene-0.3-mRNA-1 | OG1 |
   88
             Xestes augustus masked-XT scaffold190241-processed-gene-0.2-mRNA-1 | OG1 |
58
               Xestes augustus masked-XT scaffold57161-processed-gene-0.0-mRNA-1 | OG5 |
                        •Xestes augustus masked-XT scaffold14176-processed-gene-0.0-mRNA-1 | OG4 |
   60
       78
                       •Lcom lcpid241769 | OG4 |
         Scil scict017786.1 | OG2 |
             •Lcom lcpid110675 | OG2 |
            Gracom_Gcom_C540590_01 | OG2 |
             •Tetwil g12947.t1 | OG3 |
           •Tetwil g12948.t2 | OG3 |
50
                   •Halamb_c14449_g1_i1m.2398 | OG3 |
                 •Aque_Aqu2.1.25460_001 | OG3 |
                     •Halamb c39059 g1 i1m.11360 | OG3 |
   81
                   Stycar_maker-SC_scaffold81430-snap-gene-0.3-mRNA-1 | OG3 |
                 -Spolac_c45221_g1_i2_m.1318c45221-g1 | OG3 |
              <sup>1001</sup>•Emue_Em0023g25a.t1 | OG3 |
                    •Dpul mRNA23391 | OG3 |
                           -Tcas TC006240 001 | OG3 |
                           •Cscu XM 023379371.1 | OG3 |
           45
                        Hsap ENST00000520507 | OG3 |
                        •Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA178589 | OG3 |
             43
                        Bralan BLAG07001197 2 | OG3 |
                           Cgig XM 011452725.3 | OG3 |
                             Spur_XM_003729716.3 | OG3 |
                               •Skow XM 002737532.2 | OG3 |
                                Lcom lcpid249651 | OG3 |
         53
                       •HoiH23 PIH23 008865-RA | OG3 |
                          Tadh wf g6959.t1 | OG3 |
                     <sup>99</sup>¹•Hhon_g00130.t1 | OG3 |
                     Opea EP00118 Oscarella pearsei P024843 | OG3 |
                  <sup>100</sup> Ocar g1667 | OG3 |
                92
                           •Xesp 020602-T1 | OG3 |
           62
                             Dgig XM 028557930.1 | OG3 |
                           <sup>1001</sup>Dgig_XM_028543713.1 | OG3 |
                                 •Exapal_XM_021038098.1 | OG3 |
                          Exapal_XM_021038112.2 | OG3 |
                          •Nvec v1g242360 | OG3 |
             68
                 89
                        Gfas gfas1.m1.7024.m1 | OG3 |
                         Adig_XM_015900863.1 | OG3 |
                            -Amil Amillepora23304-RA | OG3 |
                          Fspp ffun1.m4.4424.m1 | OG3 |
                            •Gasp gasp1.m3.9865.m1 | OG3 |
                              -Spis_XP_022798677_1 | OG3 |
               62
                            Sanmal_Sma_007446-T1 | OG3 |
                         Aaur_scaffold1215.g2.t1 | OG3 |
                           •Nemnom_g9608.t1 | OG3 |
                        Mlei_ML0530.g17.i1 | OG3 |
                  87
                          Pbac sb2668297 | OG3 |
                      98
                             •Horcal_Hcv1.av93.c13.g343.i1 | OG3 |
                               -Pbac sb2638805 | OG3 |
                    81
                            •Morvir_scaffold278.g4.t1 | OG3 |
                             •Hvul g4506 1 | OG3 |
                      83
                                 -Hhon_g00129.t1 | OG3 |
                                      Tadh_TriadT64080 | OG3 |
                             99
                                   <sup>100</sup><sup>1</sup>TrH2 TrispH2_000560-RA | OG3 |
```