```
Bralan BLAG17000031 1 | OG0 |
      100
    63
                100
            99
      62
         98
            99
                        99
                          99
                             92
                                99
                                     100
    63
                        100
              98
                 99
         66
                       98
                  100
                      98
                   91
      54
                        40
                            100
                       37
             52
                41
         34
                 89
            64
                    100
                        98
                                  100
                           97
                                   100
                                99
                                   99
                                     89
0.416667
```

```
•Hsap_ENST00000290158 | OG0 |
       •Spur_XM_776481.5 | OG0 |
      ·Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA154443 | OG0 |
       •Acagra model.g26557.t1 | OG0 |
        •Cgig XM 034446349.1 | OG0 |
        •Lcom_lcpid141645 | OG0 |
    -Cscu_XM_023353749.1 | OG0 |
<sup>100</sup> Cscu_XM_023367110.1 | OG0 |
      •Dpul mRNA20103 | OG0 |
        •Tcas TC014672 001 | OG0 |
                               -Lcom_lcpid224967 | OG0 |
                                                 -Dpul_mRNA11373 | OG0 |
                                  -Dpul_mRNA16025 | OG0 |
•Skow XM 006818799.1 | OG1 |
             Hvul g1987 1 | OG1 |
              -Chem_TCONS_00006215 | OG1 |
             •Morvir_scaffold407.g7.t1 | OG1 |
             Sanmal Sma 023693-T1 | OG1 |
             _•Nemnom_g18097.t1 | OG1 |
          <sup>100</sup>1•Rhoesc Res_004559-T1 | OG1 |
          •Xesp_021360-T1 | OG1 |
           •Dgig_XM_028547150.1 | OG1 |
           •Nvec_v1g182805 | OG1 |
           •Exapal_XM_021054844.2 | OG1 |
           Pocdam XM 027198312.1 | OG1 |
             •Spis_XP_022788287_1 | OG1 |
              Gasp_gasp1.m3.16537.m1 | OG1 |
         <sup>92</sup>-Fspp_ffun1.m4.13767.m1 | OG1 |
                -Gasp_gasp1.m3.16538.m1 | OG1 |
               -Fspp ffun1.m4.13765.m1 | OG1 |
                Gfas gfas1.m1.13996.m1 | OG1 |
                    •Adig_XM_015908134.1 | OG1 |
                              •Adig_XM_015911993.1 | OG1 |
                    <sup>38</sup> Amil Amillepora27853-RA | OG1 |
                      -Adig XM 015914095.1 | OG1 |
                    65 L-Adig_XM_015908127.1 | OG1 |
                           -Amil Amillepora27848-RA | OG1 |
                              •Amil_Amillepora27849-RA | OG1 |
                              Adig_XM_015908117.1 | OG1 |
                                         -Amil Amillepora27851-RA | OG1 |
                               •Adig_XM_015892546.1 | OG1 |
                                 -Adig_XM_015919758.1 | OG1 |
                                •Amil_Amillepora27846-RA | OG1 |
                           <sup>77</sup><sup>L</sup>-Adig_XM_015908121.1 | OG1 |
              •Plespi Pspi scaffold14727 01 | OG1 |
               •Plespi_Pspi_scaffold14726_01 | OG1 |
                -Xestes_maker-XT_scaffold16433-snap-gene-0.26-mRNA-1 | OG1 |
                     •Aque_Aqu2.1.27847_001 | OG1 |
                    •Halamb_c54168_g1_i1m.37547 | OG1 |
                  •Tetwil g4008.t1 | OG1 |
                   Stycar_maker-SC_scaffold4297-augustus-gene-0.4-mRNA-1 | OG1 |
                  Stycar_snap_masked-SC_scaffold104488-processed-gene-0.2-mRNA-1 | OG1 |
                    -Spolac_c103339_g2_i1_m.33754c103339-g1 | OG1 |
                 <sup>971</sup>-Emue Em0012g964a.t1 | OG1 |
                     -Spolac_c103339_g1_i2_m.33752c103339-g1 | OG1 |
                        •Spolac_c103339_g1_i1_m.33750c103339-g1 | OG1 |
               •Plajan_Pjan_C572316_01 | OG1 |
                   Ocar g3510 | OG1 |
                  Opea_EP00118_Oscarella_pearsei_P019748 | OG1 |
                <sup>99</sup>Ū-Ocar_g9526 | OG1 |
                    •Clacor Ccor C537847 01 | OG1 |
                    Lcom_icpid227608 | OG1 |
                 <sup>1001</sup>Lcom_lcpid93065 | OG1 |
                      Lcom | lcpid88760 | OG1 |
                        ₋euniv Lniv scaffold13554 01 | OG1 |
                           Scil scict024814.1 | OG1 |
                           •Gracom_Gcom_scaffold19043_01 | OG1 |
                     Clacor Ccor C515219 01 | OG1 |
                                •Lcom lcpid210008 | OG1 |
                      Clacor Ccor scaffold11379 01 | OG1 |
                      •Lcom | lcpid28882 | OG1 |
                        •Scil_scict016077.1 | OG1 |
                         Leuniv Lniv C815184 01 | OG1 |
                          Gracom_Gcom_C560004_01 | OG1 |
                       •Lcom lcpid219726 | OG1 |
                                       Lcom_lcpid252079 | OG1 |
                                                   •Tadh_TriadT54144 | OG1 |
                                                100<sup>1</sup>-TrH2 TrispH2_002523-RA | OG1 |
                                        100
                                                   -HoiH23 PIH23 001172-RA | OG1 |
                                               100 HoiH06 mRNA14577 | OG1 |
             <sub>*</sub>Tadh_TriadT54185 | OG1 |
          TrH2 TrispH2_002569-RA | OG1 |
              •HoiH11 mRNA3336 | OG1 |
                  <sub>"</sub>HoiH06 mRNA7301 | OG1 |
              <sup>100</sup> HoiH23 PIH23_001130-RA | OG1 |
                 Hhon_g00559.t1 | OG1 |
               <sup>97</sup> HoiH04_mRNA12551 | OG1 |
                           •Lcom | lcpid160901 | OG1 |
                                  •Lcom_lcpid221679 | OG1 |
               •Eupdun_Edun_sb10627569 | OG1 |
                   •Vmul_sbMO473120 | OG1 |
                   -Coemet_Cmet_scaffold8608_01 | OG1 |
                  Lampan Lpan 15914 01 | OG1 |
                        •Pbac sb2651044 | OG1 |
                          Pbac sb2643196 | OG1 |
                            Horcal_Hcv1.av93.c1.g915.i1 | OG1 |
                          98<sup>1</sup>Pbac_sb2643197 | OG1 |
                          Bolinf Binf sb1247560 | OG1 |
                       100 Mertsp Mesp_sb575509 | OG1 |
                         *Bolinf Binf sb1247559 | OG1 |
                           Mertsp_Mesp_sb575510 | OG1 |
                          931<mark>-Mertsp_Mesp_sb575508 | OG1 |</mark>
                         Beraby_Baby_sb330666 | OG1 |
                             Drygla Dgla sb300210 | OG1 |
                                Drygla Dgla sb300216 | OG1 |
                          100
                             Beraby_Baby_sb330664 | OG1 |
                                Beraby Baby sb328597 | OG1 |
                                r•Mlei ML0074.g27.i1 | OG1 |
                             <sup>100</sup><sup>1</sup>-Bolinf Binf_sb1223513 | OG1 |
```