```
•Stycar_maker-SC_scaffold88-augustus-gene-0.6-mRNA-1 | OG0 |
                •Emue Em0005g1438a.t1 | OG0 |
                -Spolac_c102675_g1_i1_m.30482c102675-g1 | OG0 |
          100
   53
                    •Spolac_c102675_g1_i2_m.30484c102675-g1 | OG0 |
                             •Emue Em0005g376a.t1 | OG0 |
     56
                              •Hvul_g28726_1 | OG0 |
                 ·Clacor_Ccor_scaffold875_01 | OG0 |
                      Lcom lcpid65114 | OG0 |
         100
                      •Leuniv_Lniv_C811376_01 | OG0 |
                          •Gracom Gcom C541422 01 | OG0 |
                        •Scil_scict009899.2 | OG0 |
                •Plespi_Pspi_C605930_01 | OG0 |
     65
                             -Xestes_augustus_masked-XT_scaffold145315-processed-gene-0.0-mRNA-1 | OG0 |
                Salurc_EP00051_Salpingoeca_urceolata_P027474 | OG0 |
                 Salkve_EP00050_Salpingoeca_kvevrii_P005944 | OG0 |
   88
                  •Mylflu_EP00047_Mylnosiga_fluctuans_P003281 | OG0 |
                  Salmac_EP00052_Salpingoeca_macrocollata_P033705 | OG0 |
      69
           98
                Salpun_EP00053_Salpingoeca_punica_P012988 | OG0 |
                -Salinf_EP00049_Salpingoeca_infusionum_P007574 | OG0 |
        76
                      •Microa EP00043_Microstomoeca_roanoka_P006156 | OG0 |
               100
                    •Sros EGD81405 | OG0 |
           83
                       •Mbre_EDQ88797 | OG0 |
             62
                       •Chofle_EP00730_Choanoeca_flexa_P019011 | OG0 |
                 99
                       •Choper_EP00045_Choanoeca_perplexa_P002803 | OG0 |
               62
                        •Didcos_EP00039_Didymoeca_costata_P001924 | OG0 |
                             Diagra EP00040 Diaphanoeca grandis P010126 | OG0 |
                             •Stedip_EP00041_Stephanoeca_diplocostata_P039712 | OG0 |
                               •Acaspe_EP00035_Acanthoeca_spectabilis_P021419 | OG0 |
                          Helnan_EP00037_Helgoeca_nana_P032233 | OG0 |
              •Plajan_Pjan_scaffold22992_01 | OG1 |
              rOpea_EP00118_Oscarella_pearsei_P001463 | OG1 |
           <sup>100</sup> •Ocar_g2409 | OG1 |
   59
            -Stycar_maker-SC_scaffold5110-augustus-gene-0.2-mRNA-1 | OG1 |
            Xestes_augustus_masked-XT_scaffold34913-processed-gene-0.0-mRNA-1 | OG1 |
     98
                •Halamb_c46004_g1_i1m.19875 | OG1 |
       99
                •Aque Aqu2.1.20602 001 | OG1 |
         100
                   Aque Aqu2.1.11056 001 | OG1 |
                              -Aque_Aqu2.1.20597_001 | OG1 |
                   73 Aque_Aqu2.1.20600_001 | OG1 |
                   •Bralan_BLAG15000117_1 | OG1 |
        92
                   •Hsap_ENST00000651168 | OG1 |
                •Exapal_XM_021061093.2 | OG1 |
                  •Nvec_v1g194219 | OG1 |
         81
             85
                        •Lcom_lcpid223226 | OG1 |
     31
                    •Morvir_scaffold185.g29.t1 | OG1 |
61
                           •Chem_TCONS_00000260 | OG1 |
                           •Hvul_g28722_1 | OG1 |
       54
            69
                     •Sanmal_Sma_022897-T1 | OG1 |
                         •Nemnom_g2756.t1 | OG1 |
                          •Rhoesc_Res_003864-T1 | OG1 |
                         •Aaur_scaffold163.g6.t1 | OG1 |
                 89
                         -Nemnom_g2755.t1 | OG1 |
         60
                          •Rhoesc_Res_003863-T1 | OG1 |
                      Dgig_XM_028544147.1 | OG1 |
                 100
                                -Xesp_022264-T1 | OG1 |
                                   -Adig XM 015894614.1 | OG1 |
                        •Gfas_gfas1.m1.13602.m1 | OG1 |
                        -Amil Amillepora10637-RA | OG1 |
             100
   64
                  100
                      82
                         •Fspp_ffun1.m4.22620.m1 | OG1 |
                        Gasp_gasp1.m3.16202.m1 | OG1 |
                          <sub>!</sub>-Spis_XP_022808350_1 | OG1 |
                       •Spur_XM_030979609.1 | OG1 |
               •Spur XM 011668580.2 | OG1 |
       100
            100<sup>1</sup>-Spur XM_030979612.1 | OG1 |
                            TrH2 TrispH2 002835-RA | OG1 |
                         <sup>100]</sup>Tadh_TriadT58314 | OG1 |
                            •TrH2_TrispH2_009563-RA | OG1 |
              97
                             _•HoiH23_PIH23_003395-RA | OG1 |
                    100
                          <sup>100</sup><sup>1</sup>-HoiH06_mRNA854 | OG1 |
     63
                        100
                             Hhon_g04560.t1 | OG1 |
                          <sup>100</sup> HoiH04_mRNA2976 | OG1 |
                     •HoiH23_PIH23_005608-RA | OG1 |
                       TrH2_TrispH2_002834-RA | OG1 |
                    <sup>100</sup><sup>1</sup>Tadh_TriadT27663 | OG1 |
                         Hhon g07587.t1 | OG1 |
                  98
                      <sup>100</sup> HoiH04_mRNA9988 | OG1 |
       53
                          -HoiH11_mRNA7804 | OG1 |
                           <sub>r</sub>·HoiH23 PIH23 003783-RA | OG1 |
                      93
                        100<sup>1</sup>HoiH06 mRNA13056 | OG1 |
                    •Cscu_XM_023382812.1 | OG1 |
                        •Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA163132 | OG1 |
                      •Cgig_XM_011444086.3 | OG1 |
         81
                         Acagra model.g21431.t1 | OG1 |
                89
                   100
                             -Acagra model.g21432.t1 | OG1 |
           54
                         •Skow_XM_002741012.1 | OG1 |
                         •Dpul_mRNA18543 | OG1 |
                          -Tcas_TC030576_001 | OG1 |
             39
                               -Lampan_Lpan_14321_01 | OG1 |
                           <sup>1001</sup>•Lampan_Lpan_14322_01 | OG1 |
               47
                                 -Coeast_Cast_sb773013 | OG1 |
                         100
                              Coemet_Cmet_scaffold10008_01 | OG1 |
                                     -Eupdun_Edun_sb10613542 | OG1 |
                           99
                                     Horcal Hcv1.av93.c2.g797.i1 | OG1 |
                                       Horcal Hcv1.av93.c2.g797.i2 | OG1 |
                              90
                                     96 Pbac_sb2658040 | OG1 |
                                       Beraby_Baby_sb332889 | OG1 |
                                99
                                    <sup>100</sup> Beraby_Baby_sb332890 | OG1 |
                                         Bolinf_Binf_sb1245455 | OG1 |
                                      Too Bolinf Binf sb1245454 | OG1 |
                                         1 Bolinf Binf sb1245456 | OG1 |
                                          •Mlei_ML3221.g5.i1 | OG1 |
                                           <sub>!</sub>Drygla_Dgla_sb285709 | OG1 |
                                        <sup>100</sup> Drygla_Dgla_sb285710 | OG1 |
0.416667
```