```
Saldol EP00054 Salpingoeca dolichothecata P009895 | OG0 |
                      Saldol_EP00054_Salpingoeca_dolichothecata_P009897 | OG0 |
 98
                       -Saldol_EP00054_Salpingoeca_dolichothecata_P009893 | OG0 |
               100
                  80 Saldol_EP00054_Salpingoeca_dolichothecata_P009896 | OG0 |
             Codhol EP00042 Codosiga hollandica P035939 | OG0 |
          96 Microa EP00043 Microstomoeca_roanoka_P009081 | OG0 |
            •Mylflu_EP00047_Mylnosiga_fluctuans_P001844 | OG0 |
             Salmac_EP00052_Salpingoeca_macrocollata_P007168 | OG0 |
         99<sup>1</sup>-Salpun_EP00053_Salpingoeca_punica_P006430 | OG0 |
           •Didcos_EP00039_Didymoeca_costata_P033196 | OG0 |
   58
              •Diagra_EP00040_Diaphanoeca_grandis_P007058 | OG0 |
                -Stedip_EP00041_Stephanoeca_diplocostata_P029825 | OG0 |
          100
                  -Acaspe_EP00035_Acanthoeca_spectabilis_P022763 | OG0 |
                <sup>100</sup> -Helnan_EP00037_Helgoeca_nana_P032843 | OG0 |
            Salurc EP00051 Salpingoeca urceolata P027367 | OG0 |
                •Lcom | lcpid151591 | OG0 |
                 -Choper_EP00045_Choanoeca_perplexa_P001631 | OG0 |
                    Chofle_EP00730_Choanoeca_flexa_P000791 | OG0 |
         97
                 100 Chofle_EP00730_Choanoeca_flexa_P000789 | OG0 |
                   -Mbre EDQ91318 | OG0 |
                    Salinf EP00049 Salpingoeca infusionum P017561 | OG0 |
                    •Microa_EP00043_Microstomoeca_roanoka_P016825 | OG0 |
                <sup>100</sup> - Sros_EGD83295 | OG0 |
        Salkve_EP00050_Salpingoeca_kvevrii_P010462 | OG0 |
                   •Lcom_lcpid237894 | OG0 |
                    •Lcom | lcpid203981 | OG0 |
   86
        91
                     -Plespi_Pspi_C590468_01 | OG0 |
                   -Lcom | lcpid181452 | OG0 |
            Spur_XM_030976953.1 | OG0 |
     100
                  •Tcas TC032216 001 | OG0 |
                       -Lcom | lcpid205770 | OG0 |
                 100<sup>1</sup>-Lcom_lcpid112242 | OG0 |
                     •Dpul_mRNA16174 | OG0 |
          78
                     •Skow_XM_002731330.2 | OG0 |
                       -Hsap ENST00000610426 | OG0 |
                          •Ctel_gnl_WGS_AMQN_CAPTEDRAFT_mRNA183717 | OG0 |
             70
                     •Bralan_BLAG02001524_1 | OG0 |
                          •Lcom_lcpid185034 | OG0 |
                            Acagra_model.g9422.t1 | OG0 |
                             -Acagra_model.g9411.t1 | OG0 |
                               •Cscu XM 023366480.1 | OG0 |
                               •Cgig_XM_011413748.3 | OG0 |
                                   -Lcom_lcpid151064 | OG0 |
                 62
                               •Exapal_XM_021037399.2 | OG0 |
                              -Nvec v1g192015 | OG0 |
                                •Xesp 001968-T1 | OG0 |
                                  <sub>s</sub>Dgig_XM_028543250.1 | OG0 |
                               <sup>100</sup> Dgig_XM_028560672.1 | OG0 |
                                •Clacor_Ccor_C530405_01 | OG0 |
                       81
                                _Lcom_lcpid89822 | OG0 |
                                  -Leuniv Lniv scaffold16278 01 | OG0 |
                                <sup>75</sup> Gracom_Gcom_scaffold16514_01 | OG0 |
                                  TrH2_TrispH2_001348-RA | OG0 |
                               <sup>100</sup><sup>1</sup>Tadh_TriadT54620 | OG0 |
                                 HoiH23_PIH23_000504-RA | OG0 |
                                   HoiH11 mRNA4276 | OG0 |
                                      <sub>!</sub>Hhon_g01210.t1 | OG0 |
                                   <sup>100</sup> HoiH04_mRNA7138 | OG0 |
                                •Plajan_Pjan_C547047_01 | OG0 |
                                   <sub>!</sub>Opea_EP00118_Oscarella_pearsei_P025324 | OG0 |
                                <sup>100</sup>Ū-Ocar_g9883 | OG0 |
                               •Morvir scaffold34.g9.t1 | OG0 |
                                   •Hvul_g25859_1 | OG0 |
                            98
                                   -Chem_TCONS_00015805 | OG0 |
                                   •Sanmal_Sma_013961-T1 | OG0 |
                                      •Aaur scaffold16.g23.t1 | OG0 |
                                        •Nemnom_g12206.t1 | OG0 |
                                     <sup>100</sup> Rhoesc_Res_009209-T1 | OG0 |
                                 <sub>[</sub>Amil_Amillepora02599-RA | OG0 |
                               <sup>99</sup><sup>1</sup>•Adig_XM_015898449.1 | OG0 |
                       52
                                 rGfas_gfas1.m1.4523.m1 | OG0 |
                                   Gasp_gasp1.m3.6344.m1 | OG0 |
                                     Fspp_ffun1.m4.12068.m1 | OG0 |
                                       Spis_XP_022794164_1 | OG0 |
                                     <sup>75</sup> Pocdam_XM_027196807.1 | OG0 |
                                  FSpolac_c100899_g1_i1_m.23883c100899-g1 | OG0 |
                                    Spolac_c100899_g1_i2_m.23885c100899-g1 | OG0 |
                                      -Emue_Em0009g1121a.t1 | OG0 |
                          33
                                    53 -Spolac_c100899_g1_i1_m.23882c100899-g1 | OG0 |
                              98
                                     -Tetwil_g10496.t1 | OG0 |
                                        •Stycar_maker-SC_scaffold7880-augustus-gene-0.3-mRNA-1 | OG0 |
                                       -Aque_Aqu2.1.25566_001 | OG0 |
                                  <sup>100</sup>—Xestes_augustus_masked-XT_scaffold3745-processed-gene-0.4-mRNA-1 | OG0 |
                                    Coeast_Cast_sb753151 | OG0 |
                            49
                                      Horcal_Hcv1.av93.c5.g132.i1 | OG0 |
                                    <sup>73</sup> Pbac_sb2662007 | OG0 |
                                        Mertsp_Mesp_sb577051 | OG0 |
                                            Bolinf_Binf_sb1249025 | OG0 |
                                           62 Mertsp_Mesp_sb577050 | OG0 |
                                         Drygla_Dgla_sb287359 | OG0 |
                                             Eupdun_Edun_sb10641400 | OG0 |
                                           <sup>67</sup> Eupdun_Edun_sb10641401 | OG0 |
                                             <sub>_</sub>-Eupdun_Edun_sb10641402 | OG0 |
                                           42 Eupdun_Edun_sb10641403 | OG0 |
                                 85
                                          Mertsp_Mesp_sb527941 | OG0 |
                                        <sup>72</sup> Drygla_Dgla_sb277980 | OG0 |
                                          Beraby_Baby_sb324745 | OG0
                                        <sup>57</sup> Beraby_Baby_sb324746 | OG0 |
                                        -Lampan_Lpan_12968_01 | OG0 |
                                          <sub>[</sub>•Vmul_sbMO442025 | OG0 |
                                             Coemet_Cmet_scaffold11822_01 | OG0 |
                                               Coeast_Cast_sb811932 | OG0 |
                                                Coeast_Cast_sb811934 | OG0 |
                                               611-Coeast_Cast_sb811933 | OG0 |
0.416667
```

0.41000