

-Codhol\_EP00042\_Codosiga\_hollandica\_P058183 | OG0 | Saldol\_EP00054\_Salpingoeca\_dolichothecata\_P007369 | OG0 | Didcos EP00039 Didymoeca costata P019641 | OG0 | Diagra EP00040 Diaphanoeca grandis P005361 | OG0 | Stedip\_EP00041\_Stephanoeca\_diplocostata\_P015142 | OG0 | •Helnan\_EP00037\_Helgoeca\_nana\_P012224 | OG0 | Acaspe\_EP00035\_Acanthoeca\_spectabilis\_P022753 | OG0 | Salpun EP00053 Salpingoeca punica P004976 | OG0 | •Mylflu EP00047 Mylnosiga fluctuans P002524 | OG0 | Salmac EP00052 Salpingoeca macrocollata P006933 | OG0 | Salinf\_EP00049\_Salpingoeca\_infusionum\_P018729 | OG0 | •Microa\_EP00043\_Microstomoeca\_roanoka\_P001038 | OG0 | Sros\_EGD82677 | OG0 | Mbre EDQ88346 | OG0 | •Chofle\_EP00730\_Choanoeca\_flexa\_P012458 | OG0 | 1001 Chofle EP00730 Choanoeca flexa P012459 | OG0 | Bralan BLAG08000079 1 | OG0 | Spur XM 030993592.1 | OG0 | •Skow XM 006824910.1 | OG0 | Bralan\_BLAG08000076\_1 | OG0 | •Hsap\_ENST00000271469 | OG0 | Hsap ENST00000409858 | OG0 | Cscu XM 023362879.1 | OG0 | Cscu\_XM\_023361264.1 | OG0 | •Dpul\_mRNA11983 | OG0 | •Tcas\_TC005593\_001 | OG0 | •Tcas TC001751 001 | OG0 | Ctel gnl WGS AMQN CAPTEDRAFT mRNA160367 | OG0 | Acagra model.g1467.t1 | OG0 | •Acagra\_model.g1468.t1 | OG0 | Lcom\_lcpid198814 | OG0 | Cgig XM 011433303.3 | OG0 | Lcom | lcpid158405 | OG0 | •Exapal\_XM\_021045956.2 | OG0 | •Nvec\_v1g85624 | OG0 | •Gfas\_gfas1.m1.4322.m1 | OG0 | Adig XM 015916186.1 | OG0 | <sup>100</sup>¹•Amil Amillepora10634-RA | OG0 | spp\_ffun1.m4.9781.m1 | OG0 | Spis\_XP\_022794735\_1 | OG0 | •Pocdam XM 027198988.1 | OG0 | Gasp\_gasp1.m1b.34830.m1 | OG0 | <sub>f</sub>Adig\_XM\_015916190.1 | OG0 | Gasp\_gasp1.m3.25265.m1 | OG0 | Spis XP 022794744\_1 | OG0 | -Pocdam XM 027198989.1 | OG0 | -Pocdam\_XM\_027199063.1 | OG0 | •Xesp\_021893-T1 | OG0 | •Dgig\_XM\_028544018.1 | OG0 | •Chem TCONS 00052500 | OG0 | Hvul g6354 1 | OG0 | •Morvir scaffold452.g4.t1 | OG0 | Sanmal Sma 022847-T1 | OG0 | Nemnom g1613.t1 | OG0 | Rhoesc Res 004028-T1 | OG0 | Lcom | lcpid246387 | OG0 | Lcom | lcpid225014 | OG0 | 82 Lcom\_lcpid156075 | OG0 | <sub>"</sub>Tadh\_TriadT20208 | OG0 | <sup>100</sup>TrH2 TrispH2\_003365-RA | OG0 | <sub>f</sub>Hhon\_g07308.t1 | OG0 | <sup>100</sup> HoiH04\_mRNA4741 | OG0 | •HoiH11\_mRNA7602 | OG0 | •HoiH06\_mRNA13094 | OG0 | <sup>97</sup><sup>1</sup>-HoiH23\_PIH23\_007317-RA | OG0 | Plespi Pspi scaffold12387 01 | OG0 | <sup>100</sup> Plespi\_Pspi\_scaffold12388\_01 | OG0 | •Aque\_Aqu2.1.33482\_001 | OG0 | Spolac\_c103616\_g1\_i1\_m.35203c103616-g1 | OG0 | •Emue Em0017g20a.t1 | OG0 | •Tetwil g10970.t1 | OG0 | Stycar\_maker-SC\_scaffold63839-augustus-gene-0.3-mRNA-1 | OG0 | Stycar\_maker-SC\_scaffold123149-augustus-gene-0.3-mRNA-1 | OG0 | <sup>100</sup> Stycar\_maker-SC\_scaffold23907-snap-gene-0.22-mRNA-1 | OG0 | -Plajan\_Pjan\_scaffold5786 01 | OG0 | Ocar g3728 | OG0 | <sup>100</sup> Opea\_EP00118\_Oscarella\_pearsei\_P028803 | OG0 | •Clacor\_Ccor\_C540875\_01 | OG0 | <sub>!</sub>Gracom\_Gcom\_scaffold345\_01 | OG0 | <sup>100</sup>Gracom Gcom\_scaffold348\_01 | OG0 | •Leuniv Lniv C813266 01 | OG0 | •Lcom\_lcpid70370 | OG0 | -Scil\_scict025873.1 | OG0 | <sub>!</sub>Clacor\_Ccor\_scaffold12980\_01 | OG0 | <sup>100</sup> Clacor\_Ccor\_scaffold12981\_01 | OG0 | Scil scict021872.1 | OG0 | -Gracom\_Gcom\_scaffold16026\_01 | OG0 | -Lcom\_lcpid58346 | OG0 | <sup>97</sup>-Leuniv\_Lniv\_C777392\_01 | OG0 | <sub>!</sub>Eupdun\_Edun\_sb10653109 | OG0 | <sup>451</sup>•Eupdun\_Edun\_sb10653115 | OG0 | Eupdun\_Edun\_sb10653110 | OG0 | [Eupdun\_Edun\_sb10653111 | OG0 | Eupdun\_Edun\_sb10653114 | OG0 | \_Eupdun\_Edun\_sb10653112 | OG0 | 23 <sup>311</sup>-Eupdun\_Edun\_sb10653113 | OG0 | Eupdun\_Edun\_sb10653116 | OG0 | [Eupdun\_Edun\_sb10653117 | OG0 | Eupdun\_Edun\_sb10653120 | OG0 | Eupdun\_Edun\_sb10653118 | OG0 | 401-Eupdun\_Edun\_sb10653119 | OG0 | Vmul\_Simscaffold8124\_01 | OG0 | •Coemet\_Cmet\_scaffold12586\_01 | OG0 | Coeast\_Cast\_sb800850 | OG0 | <sup>89]</sup>-Coeast Cast sb800851 | OG0 | Coeast Cast sb800852 | OG0 | <sup>50</sup>Coeast Cast sb800853 | OG0 | Coeast\_Cast\_sb800854 | OG0 | <sup>991</sup>Coeast\_Cast\_sb800855 | OG0 | -Lampan Lpan 8756 01 | OG0 | Pbac sb2658014 | OG0 | <sup>100</sup> Horcal\_Hcv1.av93.c6.g46.i1 | OG0 | •Beraby\_Baby\_sb323530 | OG0 | •Mertsp\_Mesp\_sb559997 | OG0 | <sub>|</sub>Mlei\_ML0080.g12.i1 | OG0 | 100 <sup>100</sup> Vmul\_sbMO453763 | OG0 | Bolinf Binf sb1249152 | OG0 | Mertsp Mesp sb585153 | OG0 | <mark>ˈ99</mark>**゙ <sub>|</sub>Mertsp\_Mesp\_sb585159 | OG0 |** <sup>1]</sup>Mertsp\_Mesp\_sb585155 | OG0 |