

Saldol\_EP00054\_Salpingoeca\_dolichothecata\_P023117 | OG0 | Salkve EP00050 Salpingoeca kvevrii P018618 | OG0 | ·Salurc\_EP00051\_Salpingoeca\_urceolata\_P027376 | OG0 | •Codhol\_EP00042\_Codosiga\_hollandica\_P052152 | OG0 | Salmac EP00052 Salpingoeca macrocollata P012331 | OG0 | Salpun EP00053 Salpingoeca punica P014315 | OG0 | •Mylflu\_EP00047\_Mylnosiga\_fluctuans\_P005645 | OG0 | Didcos\_EP00039\_Didymoeca\_costata\_P019424 | OG0 | Diagra\_EP00040\_Diaphanoeca\_grandis\_P014480 | OG0 | •Stedip\_EP00041\_Stephanoeca\_diplocostata\_P037632 | OG0 | Acaspe EP00035 Acanthoeca spectabilis P022466 | OG0 | •Helnan EP00037 Helgoeca\_nana\_P008026 | OG0 | Salinf\_EP00049\_Salpingoeca\_infusionum\_P018937 | OG0 | Microa\_EP00043\_Microstomoeca\_roanoka\_P002481 | OG0 | Sros EGD75009 | OG0 | •Mbre EDQ84692 | OG0 | Chofle EP00730 Choanoeca flexa P016138 | OG0 | Choper\_EP00045\_Choanoeca\_perplexa\_P000255 | OG0 | Choper\_EP00045\_Choanoeca\_perplexa\_P021129 | OG0 | TrH2 TrispH2 000975-RA | OG0 | <sup>1001</sup>Tadh TriadT19806 | OG0 | •HoiH11 mRNA3093 | OG0 | •HoiH23\_PIH23\_003496-RA | OG0 | <sup>93]</sup>•HoiH06 mRNA7282 | OG0 | Hhon g03213.t1 | OG0 | <sup>100</sup> HoiH04 mRNA4678 | OG0 | -Bralan\_BLAG14000626\_1 | OG0 | •Spur\_XM\_030981702.1 | OG0 | Skow XM 002742219.2 | OG0 | Hsap ENST00000242591 | OG0 | ·Ctel gnl WGS AMQN CAPTEDRAFT mRNA145724 | OG0 | •Acagra\_model.g17186.t1 | OG0 | Cgig XM 011447561.3 | OG0 | •Cgig\_XM\_034474664.1 | OG0 | •Cscu XM 023385543.1 | OG0 | •Dpul mRNA13180 | OG0 | •Hvul\_g10678\_1 | OG0 | Chem TCONS 00036366 | OG0 | Chem TCONS 00056061 | OG0 | -Chem\_TCONS\_00045867 | OG0 | •Morvir scaffold1.g372.t1 | OG0 | •Sanmal Sma 015326-T1 | OG0 | •Aaur\_scaffold227.g7.t1 | OG0 | •Nemnom\_g17917.t1 | OG0 | <sup>100</sup><sup>1</sup>-Rhoesc Res\_007951-T1 | OG0 | -Dgig XM 028550177.1 | OG0 | •Xesp\_015340-T1 | OG0 | •Exapal\_XM\_021039546.2 | OG0 | Nvec\_NVE1128 | OG0 | <sup>100</sup> Nvec\_v1g174414 | OG0 | •Amil Amillepora29025-RA | OG0 | -Adig XM 015925427.1 | OG0 | •Gfas\_gfas1.m1.15099.m1 | OG0 | •Spis\_XP\_022788617\_1 | OG0 | <sup>100</sup> Pocdam XM 027203894.1 | OG0 | •Fspp\_ffun1.m2b.32967.m1 | OG0 | -Gasp gasp1.m3.6460.m1 | OG0 | <sup>98</sup><sup>1</sup>-Fspp ffun1.m4.29790.m1 | OG0 | Ocar g7182 | OG0 | Opea\_EP00118\_Oscarella\_pearsei\_P007692 | OG0 | 99 Ocar g1994 | OG0 | \_Pspi\_scaffold20680\_01 | OG0 | •Xestes\_augustus\_masked-XT\_scaffold135365-processed-gene-0.0-mRNA-1 | OG0 | •Aque\_Aqu2.1.22256\_001 | OG0 | •Halamb\_c45718\_g2\_i3mm.1749 | OG0 | •Tetwil\_g12381.t1 | OG0 | Stycar\_augustus\_masked-SC\_scaffold2077-processed-gene-0.1-mRNA-1 | OG0 | Emue\_Em0022g195a.t1 | OG0 | •Spolac\_c100570\_g1\_i2\_m.22852c100570-g1 | OG0 | -Spolac\_c110733\_g1\_i1\_m.45709c110733-g1 | OG0 | 87 Spolac\_c100570\_g1\_i1\_m.22850c100570-g1 | OG0 | Clacor Ccor scaffold10171 01 | OG0 | Lcom\_lcpid23437 | OG0 | •Gracom\_Gcom\_scaffold14935\_01 | OG0 | •Scil\_scict013948.2 | OG0 | Leuniv Lniv scaffold12881 01 | OG0 | <sup>100</sup>Leuniv\_Lniv\_scaffold12882\_01 | OG0 | -Eupdun\_Edun\_sb10668623 | OG0 | •Eupdun\_Edun\_sb10627179 | OG0 | •Eupdun\_Edun\_sb10665795 | OG0 Eupdun\_Edun\_sb10665792 | OG0 | Eupdun\_Edun\_sb10665793 | OG0 | <sup>100</sup>lEupdun\_Edun\_sb10665794 | OG0 | •Coeast\_Cast\_sb808461 | OG0 | •Coeast Cast sb808462 | OG0 | Coemet\_Cmet\_scaffold22604\_01 | OG0 | 1001-Coemet\_Cmet\_scaffold22603\_01 | OG0 | -Lampan\_Lpan\_4274\_01 | OG0 | Mertsp\_Mesp\_sb587394 | OG0 | <u>-Mertsp\_Mesp\_sb587393 | OG0 |</u> Bolinf\_Binf\_sb1259589 | OG0 | <sup>1</sup> Bolinf\_Binf\_sb1259591 | OG0 | r-Mertsp\_Mesp\_sb587397 | OG0 | Bolinf Binf sb1259592 | OG0 | Mertsp\_Mesp\_sb587395 | OG0 | 951-Mertsp\_Mesp\_sb587396 | OG0 | Horcal\_Hcv1.av93.c13.g667.i2 | OG0 | Horcal\_Hcv1.av93.c13.g667.i5 | OG0 | | Horcal\_Hcv1.av93.c13.g667.i1 | OG0 | <sup>1</sup> Horcal\_Hcv1.av93.c13.g667.i4 | OG0 | Pbac\_sb2667519 | OG0 | Horcal\_Hcv1.av93.c13.g667.i3 | OG0 | <sub>•</sub>Pbac\_sb2652173 | OG0 | <sup>79]</sup>-Pbac sb2666869 | OG0 | Drygla\_Dgla\_sb289704 | OG0 | <sup>100</sup> Drygla\_Dgla\_sb289705 | OG0 | <sub>!</sub>Beraby\_Baby\_sb329491 | OG0 | <sup>100</sup> Beraby\_Baby\_sb329492 | OG0 | Vmul sbMO369166 | OG0 | Mlei\_ML0097.g8.i1 | OG0 | <sup>77</sup> Vmul\_sbMO394392 | OG0 | <u> Bolinf\_Binf\_sb1287628 | OG0 |</u> 100 Mertsp\_Mesp\_sb591503 | OG0 | Bolinf Binf sb1287629 | OG0 | Mertsp\_Mesp\_sb591502 | OG0 | <u>1</u>00 <sup>25</sup> Mertsp\_Mesp\_sb591501 | OG0 | Bolinf Binf sb1287630 | OG0 | <sup>831</sup>Bolinf\_Binf\_sb1287635 | OG0 | Bolinf\_Binf\_sb1287631 | OG0 | <sup>85</sup> Bolinf\_Binf\_sb1287636 | OG0 | Bolinf Binf sb1287633 | OG0 |

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<sup>531</sup>-Bolinf_Binf_sb1287634 | OG0 |
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