

**S6 Table.** OrthoFinder clustering metrics per species.

<b>BDELLOID CLUSTERING</b>					
<b>Species</b>	<b>Proteins</b>	<b>Assigned (%)</b>	<b>OGs containing species (%)</b>	<b>Species-specific OGs</b>	<b>Proteins in species-specific OGs (%)</b>
<i>A. ricciae</i>	49,857	44,305 (88.9%)	19,816 (88.6%)	41	104 (0.2%)
<i>A. vaga</i>	57,431	46,230 (80.5%)	19,952 (89.2%)	65	196 (0.3%)
<i>R. macrura</i>	24,594	20,822 (84.7%)	15,764 (70.4%)	18	68 (0.3%)
<i>R. magnacalcarata</i>	29,359	24,378 (83%)	17,529 (78.3%)	13	50 (0.2%)
<b>PROTOSTOMIA CLUSTERING</b>					
<b>Species</b>	<b>Proteins</b>	<b>Assigned (%)</b>	<b>OGs containing species (%)</b>	<b>Species-specific OGs</b>	<b>Proteins in species-specific OGs (%)</b>
<i>A. californica</i>	27,591	25,169 (91.2%)	10,394 (41.7%)	50	219 (0.8%)
<i>A. ricciae</i>	49,857	47,562 (95.4%)	14,815 (59.4%)	51	121 (0.2%)
<i>A. vaga</i>	57,431	53,778 (93.6%)	15,106 (60.6%)	89	241 (0.4%)
<i>B. glabrata</i>	36,675	31,970 (87.2%)	10,594 (42.5%)	90	426 (1.2%)
<i>C. elegans</i>	28,137	16,602 (59%)	5,613 (22.5%)	217	1,876 (6.7%)
<i>C. gigas</i>	45,406	39,307 (86.6%)	10,115 (40.6%)	94	661 (1.5%)

<i>C. teleta</i>	31,978	25,781 (80.6%)	9,802 (39.3%)	86	757 (2.4%)
<i>D. melanogaster</i>	30,482	23,640 (77.6%)	6,286 (25.2%)	202	873 (2.9%)
<i>H. robusta</i>	23,426	17,408 (74.3%)	7,198 (28.9%)	50	591 (2.5%)
<i>I. linei</i>	8,724	6,293 (72.1%)	4,003 (16.1%)	58	347 (4%)
<i>L. anatina</i>	43,670	39,507 (90.5%)	9,831 (39.4%)	179	958 (2.2%)
<i>L. gigantea</i>	23,822	20,400 (85.6%)	10,003 (40.1%)	54	1,003 (4.2%)
<i>O. bimaculoides</i>	23,994	21,986 (91.6%)	8,495 (34.1%)	78	280 (1.2%)
<i>R. macrura</i>	24,594	23,062 (93.8%)	12,235 (49.1%)	16	51 (0.2%)
<i>R. magnacalcarata</i>	29,359	27,274 (92.9%)	13,401 (53.8%)	14	50 (0.2%)
<i>R. varieornatus</i>	23,007	12,976 (56.4%)	5,976 (24%)	132	630 (2.7%)
<i>S. haematobium</i>	11,140	7,969 (71.5%)	5,078 (20.4%)	50	258 (2.3%)