

# Supplementary material S2: Morphological and molecular data retrieved in May 2021 and compared with Bucklin et al., 2011

Our data (22/05/2021)						Our data (22/05/2021): NCBI – BOLD mean				Bucklin et al., 2011 data				Taxonomy changes
Phylum	Species	NCBI	BOLD	NCBI%	BOLD%	Phylum	Species	Barcoded	Barcoded%	Phylum	Species	Barcoded	Barcoded%	
Acanthocephala	517	80	45	15.5	8.7	Acanthocephala	517	63	12.2	Acanthocephala	600	10	1.7	Echiura
Annelida	13812	1630	1466	11.8	10.6	Annelida	13812	1548	11.2	Annelida	12324	637	5.2	
Arthropoda	58492	6203	5822	10.6	10	Arthropoda	58492	6013	10.3	Arthropoda	47217	3580	7.6	
Brachiopoda	416	32	31	7.7	7.5	Brachiopoda	416	32	7.7	Brachiopoda	550	35	6.4	
Bryozoa	6381	187	164	2.9	2.6	Bryozoa	6381	176	2.8	Bryozoa	5700	20	0.4	
Chaetognatha	134	23	25	17.2	18.7	Chaetognatha	134	24	17.9	Chaetognatha	121	23	19	
Chordata	24229	10225	10790	42.2	44.5	Chordata	24229	10508	43.4	Chordata	21517	7279	33.8	Rhombozoa
Cnidaria	12098	1745	1637	14.4	13.5	Cnidaria	12098	1691	14	Cnidaria	9795	594	6.1	
Ctenophora	210	16	12	7.6	5.7	Ctenophora	210	14	6.7	Ctenophora	166	0	0	
Cycliophora	2	2	2	100	100	Cycliophora	2	2	100	Cycliophora	1	1	100	
Dicyemida	122	11	0	9	0	Dicyemida	122	6	4.9	Dicyemida	82	0	0	
Echinodermata	8019	1512	1329	18.9	16.6	Echinodermata	8019	1421	17.7	Echinodermata	7000	771	11	
Entoprocta	188	14	4	7.4	2.1	Entoprocta	188	9	4.8	Entoprocta	170	0	0	Rhombozoa
Gastrotricha	521	45	42	8.6	8.1	Gastrotricha	521	44	8.4	Gastrotricha	400	0	0	
Gnathostomulida	100	8	7	8	7	Gnathostomulida	100	8	8	Gnathostomulida	97	8	8.2	
Hemichordata	132	2	9	1.5	6.8	Hemichordata	132	6	4.5	Hemichordata	106	2	1.9	
Kinorhyncha	307	27	24	8.8	7.8	Kinorhyncha	307	26	8.5	Kinorhyncha	130	0	0	
Loricifera	29	0	0	0	0	Loricifera	29	0	0	Loricifera	18	0	0	
Mollusca	50841	6568	5847	12.9	11.5	Mollusca	50841	6208	12.2	Mollusca	52525	4813	9.2	Rhombozoa
Nematoda	6465	177	122	2.7	1.9	Nematoda	6465	150	2.3	Nematoda	12000	180	1.5	
Nematomorpha	5	0	0	0	0	Nematomorpha	5	0	0	Nematomorpha	5	0	0	
Nemertea	1312	220	204	16.8	15.5	Nemertea	1312	212	16.2	Nemertea	1230	81	6.6	
Orthonectida	26	0	0	0	0	Orthonectida	26	0	0	Orthonectida	24	0	0	
Phoronida	13	10	9	76.9	69.2	Phoronida	13	10	76.9	Phoronida	10	0	0	
Placozoa	3	0	2	0	66.7	Placozoa	3	1	33.3	Here were Rhombozoa (now Dicyemida)				Rhombozoa
Platyhelminthes	12894	520	181	4	1.4	Platyhelminthes	12894	351	2.7	Platyhelminthes	15000	124	0.8	
Porifera	9314	736	721	7.9	7.7	Porifera	9314	729	7.8	Porifera	5500	67	1.2	
Priapulida	22	4	3	18.2	13.6	Priapulida	22	4	18.2	Priapulida	8	1	12.5	
Rotifera	192	42	28	21.9	14.6	Rotifera	192	35	18.2	Rotifera	50	20	40	
Sipuncula	201	51	50	25.4	24.9	Sipuncula	201	51	25.4	Sipuncula	144	15	10.4	
Tardigrada	230	5	4	2.2	1.7	Tardigrada	230	5	2.2	Tardigrada	212	9	4.2	Rhombozoa
Xenacoelomorpha	459	66	62	14.4	13.5	Xenacoelomorpha	459	64	13.9					
TOTALS	207821	30094	28647	14.5	13.8	TOTALS	207821	29371	14.1	TOTALS	192702	18270	9.5	