

Table S2. Database of cetacean social and prosocial behavior.

Species	Research Effort ^a	Total Social Repertoire Score	Alliances	Caregiving or Alloparenting	Interspecific Cooperative Behavior	Group Hunting	Social Defense	Social Play	Social Learning	Complex Vocalizations
<i>Balaena mysticetus</i>	616	3				1 (1)			1 (2, 3)	1 (2)
<i>Balaenoptera acutorostrata</i>	996	0								
<i>Balaenoptera bonaerensis</i>	75	1								1 (4)
<i>Balaenoptera borealis</i>	395	1								1 (5)
<i>Balaenoptera brydei</i>	50	0								
<i>Balaenoptera edeni</i>	225	0								
<i>Balaenoptera musculus</i>	459	0								
<i>Balaenoptera omurai</i>	8	–								
<i>Balaenoptera physalus</i>	917	1								1 (6)
<i>Berardius arnuxii</i>	21	–								
<i>Berardius bairdii</i>	52	0								
<i>Caperea marginata</i>	40	–								
<i>Cephalorhynchus commersonii</i>	84	0								
<i>Cephalorhynchus eutropia</i>	24	–								
<i>Cephalorhynchus heavisidii</i>	17	–								
<i>Cephalorhynchus hectori</i>	109	1						1 (7)		
<i>Delphinapterus leucas</i>	939	6		1 (8)		1 (9)			1 (10, 11)	3 (9, 12-15)
<i>Delphinus capensis</i>	90	1		1 (16, 17)						
<i>Delphinus delphis</i>	1031	3				1 (18)		1 (19)		1 (20)
<i>Delphinus tropicalis</i>	24	–								
<i>Eschrichtius robustus</i>	478	2		1 (21, 22)	1 (22)					
<i>Eubalaena australis</i>	227	2					1 (23)		1 (24)	
<i>Eubalaena glacialis</i>	390	2	1 (25)				1 (23)			
<i>Eubalaena japonica</i>	31	–								
<i>Feresa attenuata</i>	68	0								
<i>Globicephala macrorhynchus</i>	183	4		1 (21)			1 (26)		1 (27, 28)	1 (29)
<i>Globicephala melas</i>	274	3		2 (21, 30, 31)						1 (32)
<i>Grampus griseus</i>	396	0								
<i>Hyperoodon ampullatus</i>	100	2		2 (33, 34)						
<i>Hyperoodon planifrons</i>	47	0								
<i>Indopacetus pacificus</i>	16	–								

<i>Inia geoffrensis</i>	258	2		1 (21)				1 (35)		
<i>Kogia breviceps</i>	233	0								
<i>Kogia simus</i>	62	0								
<i>Lagenodelphis hosei</i>	78	1				1 (36)				
<i>Lagenorhynchus acutus</i>	217	1		1 (37)						
<i>Lagenorhynchus albirostris</i>	225	1				1 (33)				
<i>Lagenorhynchus australis</i>	46	1				1 (38)				
<i>Lagenorhynchus cruciger</i>	29	–								
<i>Lagenorhynchus obliquidens</i>	166	4		1 (39)		1 (33)		1 (19)		1 (40)
<i>Lagenorhynchus obscurus</i>	142	2				1 (33, 41)		1 (42)		
<i>Lipotes vexillifer</i>	174	0								
<i>Lissodelphis borealis</i>	49	1								1 (43)
<i>Lissodelphis peronii</i>	26	–								
<i>Megaptera novaeangliae</i>	1173	6			1 (44)	1 (45-48)	1 (23)		3 (46, 49-54)	
<i>Mesoplodon bidens</i>	85	0								
<i>Mesoplodon bowdoini</i>	16	–								
<i>Mesoplodon carlhubbsi</i>	16	–								
<i>Mesoplodon densirostris</i>	114	1								1 (55)
<i>Mesoplodon europaeus</i>	50	0								
<i>Mesoplodon ginkgodens</i>	20	–								
<i>Mesoplodon grayi</i>	34	–								
<i>Mesoplodon hectori</i>	26	–								
<i>Mesoplodon layardii</i>	27	–								
<i>Mesoplodon mirus</i>	42	–								
<i>Mesoplodon perrini</i>	3	–								
<i>Mesoplodon peruvianus</i>	7	–								
<i>Mesoplodon stejnegeri</i>	38	–								
<i>Mesoplodon traversii</i>	4	–								
<i>Monodon monoceros</i>	360	1								1 (56, 57)
<i>Neophocaena asiaeorientalis</i>	107	0								
<i>Neophocaena phocaenoides</i>	347	0								
<i>Orcaella brevirostris</i>	74	3			1 (58, 59)					2 (60)
<i>Orcaella heinsohni</i>	11	–								

<i>Orcinus orca</i>	1115	10	1 (61)	1 (62, 63)		2 (64-67)		1 (68)	2 (69, 70)	3 (71-81)
<i>Peponocephala electra</i>	95	0								
<i>Phocoena dioptrica</i>	31	–								
<i>Phocoena phocoena</i>	1603	1		1 (82)						
<i>Phocoena sinus</i>	73	0								
<i>Phocoena spinipinnis</i>	58	0								
<i>Phocoenoides dalli</i>	170	0								
<i>Physeter macrocephalus</i>	793	5		1 (83, 84)			1 (85-87)			3 (88-94)
<i>Platanista gangetica</i>	182	0								
<i>Pontoporia blainvillei</i>	232	1				1 (95)				
<i>Pseudorca crassidens</i>	280	5			2 (96, 97)	1 (98, 99)			1 (100)	1 (101)
<i>Sotalia fluviatilis</i>	148	3		1 (102)		1 (103)		1 (104)		
<i>Sotalia guianensis</i>	175	6				1 (105-107)		1 (108)	1 (105)	3 (109-111)
<i>Sousa chinensis</i>	215	6		2 (112-114)	2 (115, 116)			1 (117)		1 (118)
<i>Sousa plumbea</i>	31	1						1 (119)		
<i>Sousa teuszii</i>	21	–								
<i>Stenella attenuata</i>	291	0								
<i>Stenella clymene</i>	43	1				1 (120)				
<i>Stenella coeruleoalba</i>	634	1								1 (121, 122)
<i>Stenella frontalis</i>	123	8	1 (123)	1 (123)	1 (124, 125)	1 (126)		1 (123, 127)	1 (128)	2 (123, 129)
<i>Stenella longirostris</i>	312	3		1 (130)		1 (131)		1 (19)		
<i>Steno bredanensis</i>	127	3		1 (132-134)		1 (135)		1 (136)		
<i>Tasmacetus shepherdi</i>	16	–								
<i>Tursiops aduncus</i>	221	6	1 (137-141)	1 (142)				1 (143)	1 (144, 145)	2 (146-148)
<i>Tursiops truncatus</i>	3085	14	1 (149, 150)	2 (151-153)	3 (44, 154-158)	1 (159, 160)		1 (161-163)	3 (139, 154, 164-166)	3 (110, 129, 167-180)
<i>Ziphius cavirostris</i>	317	0								

^a Zoological Record citations since 1864 for species name. Species with <50 studies ever published pertaining to them are shaded in light grey and were not included in analyses (see Methods). The table includes every instance we discovered in the literature of field or captive sightings of social or prosocial behavior in cetacean species, as per the categories listed. For details of the search strategy and inclusion criteria, see the Methods.

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