

Supplement S1: Characteristics for all 41 competition catalogs. **MAP** is the mean average precision on the test set. The two catalogs without a MAP score (8 and 21) were included in the competition yet omitted from this analysis. **Train Img** is the number of images in the training split. **Test Img** is the number of images in the test split. **Train ID** is the number of identities in the training split. **Img / ID** is the median number of images per identity in the training split. **Img Width** is the mean width of the images in the training split, in pixels. **Box Width** is a weighted mean of the bounding box size for images in the training split. A large difference in box width and image width implies that the images contain a lot of background noise.

idx	species	location	MAP	Train Img	Test Img	Train ID	Img / ID	Img Width	Box Width
1	beluga	Alaska	0.75	2074	1130	79	25.0	1557.2	867.1
2	beluga	Quebec	0.84	5369	3186	933	3.0	1688.4	1274.1
3	blue whale	Isla de Chiloé	0.74	773	581	522	1.0	2798.5	2400.8
4	blue whale	US West Coast	0.77	4057	595	1826	2.0	3020.4	2562.4
5	Bryde's whale	São Paulo	0.88	154	102	44	2.0	1905.0	1061.5
6	Commerson's dolphin	Falkland Islands	0.87	90	78	70	1.0	2804.6	2589.1
7	common bottlenose dolphin	Adriatic Sea	0.93	165	118	80	1.0	1461.8	1085.5
8	common bottlenose dolphin	England		223	0	37	3.0	3599.9	1256.1
9	common bottlenose dolphin	Florida	0.98	1117	720	291	3.0	1609.1	1454.7
10	common bottlenose dolphin	Hawai'i	0.96	741	503	223	2.0	2045.5	1728.0
11	common bottlenose dolphin	Scotland	0.94	8358	2893	261	17.0	3485.1	1560.1
12	common dolphin	Aegean Sea	0.84	347	194	38	5.0	2003.5	1290.6
13	common minke whale	British Columbia	0.77	1433	418	36	5.5	3530.7	1194.7
14	common minke whale	Iceland	0.64	175	126	92	2.0	3039.0	1062.4
15	Cuvier's beaked whale	California	0.71	341	389	183	1.0	3276.6	1043.9
16	dusky dolphin	New Zealand	0.88	3139	2300	2731	1.0	689.3	675.6
17	false killer whale	Guadeloupe	0.87	27	20	12	2.0	987.3	794.8
18	false killer whale	Hawai'i	0.98	219	147	91	2.0	2457.1	2147.7
19	false killer whale	New Zealand	0.99	3080	1579	93	31.0	2221.1	1590.3
20	fin whale	US West Coast	0.85	1324	827	466	1.0	3312.4	1897.4
21	Frasier's dolphin	Guadeloupe		14	12	13	1.0	430.4	382.3
22	gray whale	Oregon	0.86	1123	642	185	2.0	3599.1	2029.6
23	humpback whale	Global	0.82	7176	4370	2533	1.0	2943.3	1582.3
24	humpback whale	Queensland	0.83	216	209	146	1.0	3506.2	1984.5
25	killer whale	McMurdo Sound	0.86	1493	985	399	2.0	3072.6	2112.9
26	killer whale	Western Australia	0.98	962	582	73	12.0	3597.6	1337.0
27	long-finned pilot whale	New Zealand	0.95	238	187	131	2.0	3205.0	2747.9
28	melon-headed whale	Hawai'i	0.94	1689	1201	1323	1.0	1334.2	1043.9
29	pacific white-sided dolphin	British Columbia	0.88	229	155	175	1.0	3341.2	1404.2
30	pantropical spotted dolphin	Guadeloupe	0.91	145	93	44	1.0	1096.6	918.8
31	pantropical spotted dolphin	Hawai'i	0.90	490	352	280	1.0	2342.3	1941.1
32	pygmy killer whale	Guadeloupe	0.97	76	49	24	2.0	677.0	565.9
33	rough-toothed dolphin	Guadeloupe	0.76	60	57	46	1.0	1232.9	1073.4
34	sei whale	Falkland Islands	0.93	428	277	197	2.0	2887.5	2458.9
35	short-finned pilot whale	Guadeloupe	0.73	116	82	48	2.0	1183.8	1031.8

idx	species	location	MAP	Train Img	Test Img	Train ID	Img / ID	Img Width	Box Width
36	short-finned pilot whale	Hawai`i	0.94	262	206	196	1.0	2475.0	2216.5
37	short-finned pilot whale	Mariana Islands	0.97	367	540	214	2.0	3010.2	2746.3
38	southern right whale	New Zealand	0.63	866	664	549	1.0	2734.2	2175.6
39	spinner dolphin	Hawai`i	0.94	1269	823	587	1.0	1522.7	1248.3
40	spinner dolphin	Mariana Islands	0.95	431	454	304	1.0	2172.2	1935.7
41	spinner dolphin	Red Sea	0.97	177	110	21	5.0	2928.4	2499.5
<i>Total</i>			<i>0.87</i>	<i>51033</i>	<i>27956</i>	<i>15596</i>		<i>2360.6</i>	<i>1584.7</i>