

Supplementary Data S2 Posterior probabilities of sex assignments from linear discriminant

function analysis (LDFA) for Pacific walrus (*Odobenus rosmarus divergens*)

with fully fused mandibles. Individual identification numbers were assigned by the

researcher (NT) when UAM ID was unavailable. female: n=24, male: n=33,

unknown-sex: n=19.

UAM ID	Known-Sex	Assigned Sex	Posterior Probability (Female)	Posterior Probability (Male)
10538	Female	Female	1	0
11684	Female	Female	1	0
11692	Female	Female	1	0
11696	Female	Female	1	0
11700	Female	Female	1	0
11705	Female	Female	1	0
11707	Female	Female	1	0
11708	Female	Female	1	0
11709	Female	Female	1	0
11710	Female	Female	1	0
16586	Female	Female	1	0
16587	Female	Female	1	0
16588	Female	Female	1	0
16589	Female	Female	1	0
16590	Female	Female	1	0
16591	Female	Female	1	0
16592	Female	Female	1	0
16593	Female	Female	1	0
99597	Female	Female	1	0
125957	Female	Female	1	0
130619	Female	Female	1	0
130620	Female	Female	1	0
130625	Female	Female	1	0
134799	Female	Female	1	0
4861	Male	Male	0	1
5220	Male	Male	0.05	0.95
7277	Male	Male	0	1
11694	Male	Male	0	1
11711	Male	Male	0	1

12070	Male	Male	0	1
12071	Male	Male	0	1
12073	Male	Male	0	1
12074	Male	Male	0	1
12075	Male	Male	0	1
12076	Male	Male	0	1
12077	Male	Male	0	1
12078	Male	Male	0	1
12079	Male	Male	0	1
12080	Male	Male	0	1
12081	Male	Male	0	1
12082	Male	Male	0	1
12083	Male	Male	0	1
12084	Male	Male	0	1
12085	Male	Male	0	1
12086	Male	Male	0	1
14793	Male	Male	0	1
87001	Male	Male	0	1
87003	Male	Male	0	1
87004	Male	Male	0	1
87006	Male	Male	0	1
87009	Male	Male	0	1
87329	Male	Male	0	1
87330	Male	Male	0	1
99578	Male	Male	0	1
99586	Male	Male	0	1
99596	Male	Male	0	1
134798	Male	Male	0	1
5218	Unknown	Female	1	0
125513	Unknown	Male	0	1
125515	Unknown	Male	0	1
99584	Unknown	Male	0	1
"Elephant Point"	Unknown	Female	1	0
"House 1"	Unknown	Female	1	0
"Newspaper"	Unknown	Female	1	0
"Orange bone"	Unknown	Male	0.02	0.98
"No ID #1"	Unknown	Female	1	0
"No ID #2"	Unknown	Female	1	0
UA72-065-0518	Unknown	Male	0	1
UA72-065-0521	Unknown	Male	0	1
UA72-065-0522	Unknown	Female	1	0
UA72-065-0525	Unknown	Female	1	0
UA72-065-0526	Unknown	Male	0.1	0.9

UA72-065-0529	Unknown	Male	0	1
UA72-065-0530	Unknown	Male	0	1
UA72-065-0534	Unknown	Male	0	1