

ONLINE RESOURCE 3: LINEAR DISCRIMINANT ANALYSES- PROBABILITIES OF MEMBERSHIP PER SAMPLE

Table 3.1: Linear discriminant analyses of European hake samples

Sample	Period	Total length estimated (mm)	Assigned Class (provenance)	Posterior probabilities	
				Atlantic	Mediterranean
MC4	15th-16th	1002.77	Atlantic	0.99	0.01
MC5	15th-16th	1018.85	Atlantic	0.96	0.04
MC6	15th-16th	903.46	Atlantic	1.00	0.00
MC7	15th-16th	889.96	Atlantic	1.00	0.00
MC8	15th-16th	788.46	Atlantic	0.76	0.24
MC9	15th-16th	763.97	Atlantic	1.00	0.00
MC10	15th-16th	655.42	Atlantic	0.99	0.01
MC11	14th	745.36	Mediterranean	0.02	0.98
EB7	15th-16th	472.01	Mediterranean	0.00	1.00
EB10	17th	617.75	Atlantic	1.00	0.00
EB11	15th-16th	500.00	Mediterranean	0.23	0.77
FH6	17th	837.48	Atlantic	1.00	0.00
FH7	17th	750.00	Atlantic	1.00	0.00
FH8	17th	750.00	Atlantic	1.00	0.00
FH9	17th	700.00	Atlantic	0.98	0.02
FH10	17th	750.00	Atlantic	1.00	0.00
PMKD6	16th-19th	1017.02	Mediterranean	0.25	0.75
PMKD7	16th-19th	700.00	Mediterranean	0.03	0.97
PMKD8	16th-19th	750.00	Mediterranean	0.41	0.59
PMKD9	16th-19th	550.00	Atlantic	0.98	0.02
PMKD10	16th-19th	787.28	Atlantic	1.00	0.00
PMKD11	16th-19th	705.12	Atlantic	0.98	0.02
MC12	14th	700.00	Mediterranean	0.38	0.62
MC13	15th-16th	800.00	Atlantic	0.88	0.12
MC14	15th-16th	800.00	Atlantic	1.00	0.00
FH11	17th	440.00	Mediterranean	0.00	1.00
FH12	17th	600.00	Atlantic	1.00	0.00
FH13	17th	750.00	Mediterranean	0.18	0.82
FH14	17th	600.00	Atlantic	0.84	0.16
FH15	17th	440.00	Mediterranean	0.00	1.00
FH16	17th	800.00	Atlantic	1.00	0.00

Table 3.2: Linear discriminant analyses of Atlantic cod samples

Sample	Period	Total length estimated (mm)	Assigned Class (provenance)	Posterior probabilities					
				Newfoundland	Arctic Norway	Irish/southern North Sea	Kattegat / Western Baltic Sea	Eastern Baltic Sea	Atlantic Europe
EB9	16th	501.28	Arctic Norway	0.28	0.69	0.01	0.00	0.00	0.02
FH1	17th	484.81	Arctic Norway	0.40	0.59	0.00	0.00	0.00	0.00
FH3	17th	579.58	Arctic Norway	0.46	0.51	0.01	0.00	0.00	0.01
FH4	17th	532.13	Arctic Norway	0.44	0.54	0.01	0.00	0.00	0.00
FH5	17th	565.14	Newfoundland	0.51	0.46	0.02	0.00	0.00	0.01
PMKD2	16th-19th	729.04	Arctic Norway	0.04	0.71	0.00	0.12	0.03	0.10
PMKD3	16th-19th	667.69	Arctic Norway	0.19	0.79	0.00	0.00	0.00	0.01
PMKD4	16th-19th	655.63	Newfoundland	0.60	0.39	0.01	0.00	0.00	0.00
MP1	15th-17th	680.87	Irish/southern North Sea	0.29	0.12	0.45	0.00	0.00	0.14
PMSQ1	16th-17th	807.39	Newfoundland	0.78	0.11	0.10	0.00	0.00	0.00
PMSQ2	16th-17th	721.10	Newfoundland	0.69	0.05	0.26	0.00	0.00	0.00
PMSQ3	16th-17th	794.62	Newfoundland	0.78	0.18	0.04	0.00	0.00	0.00
FH17	17th	651.55	Kattegat / Western Baltic Sea	0.00	0.02	0.00	0.90	0.05	0.03
FH18	17th	567.96	Kattegat / Western Baltic Sea	0.00	0.00	0.00	0.91	0.00	0.09
FH19	17th	552.05	Newfoundland	0.56	0.27	0.14	0.00	0.00	0.04