

Electronic Supplementary Material

## Odour-based discrimination of MHC-similarity in birds

Sarah Leclaire, Maria Strandh, Jérôme Mardon, Helena Westerdahl, Francesco Bonadonna

**Table S1:** Amino acid distances and functional distances between tested bird and odour donors. All odour donors were of the opposite sex to the tested bird.

Breeding season	Choosing bird	Sex of the choosing bird	Preferred donor	Non-preferred donor	Amino acid distance		Functional distance	
					Preferred	Non-preferred	Preferred	Non-preferred
2007-2008	GX22433	F	GX22004	GX22494	0.80	0.69	0.88	0.81
2007-2008	GX22487	F	GX24116	GX24152	0.50	0.32	0.74	0.51
2007-2008	GX24133	F	GX24152	GX22494	0.72	0.29	0.77	0.41
2007-2008	GX24155	F	GX24186	GX22477	0.76	0.65	0.87	0.79
2007-2008	GX22492	F	GX22027	GX22494	0.76	0.71	0.79	0.84
2007-2008	GX24178	F	GX22494	GX22477	0.56	0.44	0.85	0.89
2007-2008	GX24109	F	GX24116	GX24186	0.70	0.69	0.73	0.79
2007-2008	GX24165	F	GX24116	GX22477	0.45	0.40	0.39	0.41
2007-2008	GX24160	F	GX22477	GX24152	0.48	0.53	0.84	0.67
2007-2008	GX24004	F	GX22027	GX24186	0.71	0.79	0.88	0.90
2007-2008	GX24159	F	GX22027	GX22004	0.50	0.73	0.49	0.74
2007-2008	GX24172	F	GX22027	GX24152	0.54	0.66	0.79	0.87
2007-2008	GX24157	F	GX22477	GX22027	0.60	0.71	0.75	0.79
2007-2008	GX24147	F	GX22494	GX24186	0.51	0.74	0.79	0.80
2007-2008	GX24173	F	GX24116	GX22027	0.50	0.63	0.51	0.61
2007-2008	GX24002	F	GX24152	GX22004	0.38	0.58	0.65	0.83
2007-2008	GX22498	F	GX24186	GX22004	0.29	0.49	0.57	0.83
2015-2016	GX26012	F	GX27397	GX24123	0.57	0.47	0.70	0.89
2015-2016	GX27389	F	GX22453	GX24026	0.77	0.75	0.89	0.91
2015-2016	GX26045	F	GX24192	GX22014	0.42	0.46	0.82	0.94
2007-2008	GX24101	M	GX22421	GX22433	0.70	0.65	0.88	0.75
2007-2008	GX24184	M	GX22433	GX24133	0.80	0.63	0.89	0.81
2007-2008	GX24095	M	GX24133	GX24107	0.74	0.57	0.91	0.63
2009-2010	GX24184	M	GX24159	GX24050	0.80	0.40	0.63	0.40
2009-2010	GX24031	M	GX24027	GX24107	0.74	0.51	0.82	0.58
2009-2010	GX24026	M	GX24049	GX24027	0.64	0.72	0.91	0.84
2015-2016	GX24132	M	GX24147	GX26012	0.68	0.43	0.83	0.64
2007-2008	GX22003	F	No choice					
2007-2008	GX24001	F	No choice					
2015-2016	GX24147	F	No choice					
2007-2008	GX24167	F	No choice					
2007-2008	GX24200	F	No choice					
2007-2008	GX22029	M	No choice					
2009-2010	GX24028	M	No choice					
2007-2008	GX24152	M	No choice					