

Legagneux, P., Clark, R. G., Guillemain, M., Eraud, C., Théry, M. and Bretagnolle, V. 2012. Large-scale geographic variation in iridescent structural ornaments of a long-distant migratory bird. – *J. Avian Biol.* 43: 355–361.

**Supplementary material**

## Appendix 1

Table A1. Results of model selection from generalized linear models on colour (A) and brightness (B) contrasts of teal wing flash marks (speculum). Similar model selection as shown in Table 1 without the east region (N = 1042). Column headings and base models are defined in Table 1.

A.

Name	k	$\Delta AIC_c$	$\omega_i$	Dev	LL
<b>Base + Sex*X + Date*X</b>	<b>14</b>	<b>0</b>	<b>0.46</b>	<b>6235.0</b>	<b>2410.6</b>
Base + Date*X	13	2.46	0.14	6262.1	2412.9
Base + Sex*X	13	2.77	0.12	6263.9	2413.0
Base + Age*X + Date*X	15	3.47	0.08	6243.5	2411.3
Base + Wing*X + Date*X	14	4.12	0.06	6259.7	2412.7
Base + X	12	4.19	0.06	6284.8	2414.8

B.

Name	k	$\Delta AIC_c$	$\omega_i$	Dev	LL
<b>Base + Year*X + Date*X + Sex*X</b>	<b>15</b>	<b>0</b>	<b>0.47</b>	<b>4638.6</b>	<b>-2256.5</b>
<b>Base + Year*X + Sex*X</b>	<b>14</b>	<b>1.35</b>	<b>0.24</b>	<b>4653.8</b>	<b>-2258.2</b>
Base + Year*X + Date*X	14	2.75	0.12	4660.1	-2258.9
Base + Year*X	13	3.17	0.1	4671.2	-2260.2
Base + Date*X + Sex*X	11	4.97	0.04	4697.7	-2263.1
Base + Date*X	10	7.59	0.01	4718.7	-2265.5