

Appendix B for *Spatio-temporal patterns in arctic fox (*Vulpes alopex*) diets revealed by molecular analysis of scats from Northeast Greenland.*

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Table S1. G-test summary statistics for the pair-wise comparisons of arctic fox monthly diet composition at Zackenberg, with significant ($p < 0.05$) differences highlighted in bold and tendencies ($0.05 \leq p < 0.10$) highlighted in italics. All tests had 8 degrees of freedom.

	May	June	July	August	September	October
April	G = 18.304 p = 0.019	G = 11.877 p = 0.157	G = 12.214 p = 0.142	G = 25.169 p = 0.001	G = 8.0661 p = 0.427	G = 2.9887 p = 0.935
May		G = 12.308, p = 0.138	<i>G = 14.382</i> <i>p = 0.072</i>	G = 9.7269 p = 0.285	<i>G = 15.45</i> <i>p = 0.051</i>	G = 15.822 p = 0.045
June			G = 3.0261 p = 0.934	G = 21.5 p = 0.006	G = 24.226 p = 0.002	G = 12.231 p = 0.141
July				<i>G = 14.126</i> <i>p = 0.079</i>	G = 21.084 p = 0.007	G = 13.305 p = 0.102
August					G = 23.423 p = 0.003	G = 24.207 p = 0.002
September						G = 9.3771 p = 0.312

Table S2. Monthly contributions of the various prey taxa (fractions) to arctic fox diets at Zackenberg from late winter to autumn (mean and [SE] across scats).

Taxon	April		May		June		July		August		September		October	
Hares	0.02	[0.02]	0.12	[0.05]	0.04	[0.01]	0.00	[0.00]	0.00	[0.00]	0.00	[0.00]	0.02	[0.01]
Lemmings	0.07	[0.06]	0.14	[0.07]	0.22	[0.06]	0.16	[0.05]	0.17	[0.05]	0.08	[0.05]	0.00	[0.00]
Muskoxen	0.52	[0.13]	0.01	[0.01]	0.22	[0.06]	0.22	[0.08]	0.00	[0.00]	0.22	[0.07]	0.49	[0.17]
Passerines	0.00	[0.00]	0.00	[0.00]	0.05	[0.03]	0.08	[0.02]	0.00	[0.00]	0.00	[0.00]	0.00	[0.00]
Ptarmigans	0.07	[0.07]	0.00	[0.00]	0.00	[0.00]	0.00	[0.00]	0.04	[0.03]	0.10	[0.05]	0.00	[0.00]
Shorebirds	0.00	[0.00]	0.11	[0.06]	0.00	[0.00]	0.00	[0.00]	0.10	[0.04]	0.27	[0.08]	0.00	[0.00]
Waterfowl	0.13	[0.08]	0.33	[0.11]	0.37	[0.07]	0.50	[0.08]	0.57	[0.06]	0.10	[0.05]	0.12	[0.11]
Fish	0.16	[0.08]	0.22	[0.07]	0.08	[0.02]	0.02	[0.01]	0.09	[0.03]	0.16	[0.06]	0.34	[0.14]
Others	0.00	[0.00]	0.04	[0.04]	0.00	[0.00]	0.00	[0.00]	0.00	[0.00]	0.04	[0.04]	0.00	[0.00]

