

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

**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).**

<b>Taxon</b>	<b>April</b>		<b>May</b>		<b>June</b>		<b>July</b>		<b>August</b>		<b>September</b>		<b>October</b>	
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]

