**Supplementary material for:** Tryland M., Balboni A., Killengreen S.T., Mørk T., Nielsen O., Yoccoz N., Ims R.A. & Fuglei E. A screening for canine distemper virus, canine adenovirus and carnivore protoparvoviruses in Arctic foxes (*Vulpes lagopus*) and red foxes (*Vulpes vulpes*) from Arctic and sub-Arctic regions of Norway

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**Supplementary Table S1.** Estimates from the selected logistic regression models related to the exposure of Arctic fox (*Vulpes lagopus*) and red foxes (*Vulpes vulpes*) to canine adenovirus (CAdV). Significant coefficients are highlighted in boldface.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Estimate | Std. error | Z value | *p* |
| (a) Arctic fox |  |  |  |  |
| Intercept | -0.838 | 0.2016 |  |  |
| Scale (Age) | 0.0703 | 0.1254 | -0.561 | 0.575 |
| **Scale (Season)** a | **0.2148** | **0.0578** | **3.713** | **0.000** |
| **Scale (Season)** b | **0.099** | **0.0351** | **2.809** | **0.005** |
|  |  |  |  |  |
| Null deviance: 402.22 on 296 d.f  Residual deviance: 380.44 on 293 d.f |  |  |  |  |
| (b) Red fox |  |  |  |  |
| Intercept | -0.380 | 0.585 |  |  |
| **Scale (Age)** | **0.348** | **0.118** | **2.962** | **0.003** |
| **Region Varanger** | **0.946** | **0.469** | **2.017** | **0.043** |
| **Factor (Season 05/06)** b | **-0.771** | **0.390** | **-1.982** | **0.047** |
| **Factor (Season 06/07)** | **-0.758** | **0.382** | **-1.985** | **0.047** |
| Factor (Season 07/08) | -0.451 | 0.547 | -0.826 | 0.408 |
| **Factor (Season 08/09)** | **1.129** | **0.524** | **2.157** | **0.031** |
| Male | -0.156 | 0.224 | -0.694 | 0.487 |
|  |  |  |  |  |
| Null deviance: 516.31 on 372 d.f  Residual deviance: 466.22 on 365 d.f |  |  |  |  |

a Trapping season for arctic fox: 1 November to 15 March. b Hunting season for red fox: September to May.