

35 **Supplementary Table 4.** The list of logistic regression models using binomial generalized linear models
36 ran on phenotypic data to check the association associated with the extra vertebrate characteristics from
37 Bayantsagaan sheep in Mongolia.

Models	Degrees of Freedom (DF)	AIC
Extra vertebrate ~ body length	2	284.55
Extra vertebrate ~ body weight	3	306.13
Extra vertebrate ~ body length + weight	3	278.65
Extra vertebrate ~ body length + weight + hearth girth	4	277.05

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