

Supplemental Table S8. Median conditional effect sizes of environmental and geographic covariates within the generalized linear model (GLM), with highly correlated variables removed. Conditional effect size represents the effect size of the variable coefficient given inclusion in the GLM. Supported covariates (Bayes factor > 3) are bolded. Covariates are ordered by Bayes factor.

	Median	95% HPD ¹	pp ²	BF ³
Geographic distance	-1.03	-1.24	-0.79	1.00
Road density - Origin	1.24	0.58	1.71	0.76
Water coverage - Destination	0.56	0.21	0.95	0.16
Water coverage - Origin	0.44	-0.36	0.80	0.02
Turkey farm density - Origin	0.50	-1.17	1.27	0.01
Layer farm density - Origin	-0.60	-2.09	1.58	0.01
Turkey farm density - Destination	0.34	0.03	0.81	0.01
Road density - Destination	0.27	-0.12	0.60	0.00
Agriculture land use - Origin	0.10	-0.50	0.74	0.00
Frozen days - Origin	0.04	-0.65	0.91	0.00
Agriculture land use - Destination	-0.14	-0.47	0.33	0.00
Layer farm density - Destination	-0.11	-0.60	0.34	0.00
Frozen days - Destination	-0.06	-0.24	0.46	0.00

¹95% HPD: 95% highest posterior density

²pp: posterior probability of covariate inclusion

³BF: Bayes factor