

Table S2. Mantel tests at the county-level.

	Phase correlations	
	Correlation	<i>p</i> -value
<i>Mantel tests</i>		
Population*	-0.21	0.046
Distance	-0.11	0.12
Humidity	0.13	0.10
Temperature	-0.04	0.38
Region†	-0.68	0.0001
<i>partial Mantel tests</i>		
Population, adjusted for:		
Distance	-0.23	0.04
Humidity	-0.22	0.04
Temperature	-0.21	0.05
Region	-0.04	0.36
Distance, adjusted for:		
Population	-0.14	0.08
Humidity	-0.001	0.47
Temperature	-0.28	0.0005
Region	0.12	0.09
Humidity, adjusted for:		
Population	0.14	0.09
Distance	0.06	0.25
Temperature	0.24	0.007
Region	-0.12	0.10
Temperature, adjusted for:		
Population	-0.02	0.43
Distance	-0.26	0.0005
Humidity	-0.20	0.009
Region	-0.21	0.009
Region, adjusted for:		
Population	-0.66	0.0001
Distance	-0.68	0.0001
Humidity	-0.68	0.0001
Temperature	-0.69	0.0001

Mantel and partial Mantel tests using Spearman correlations to detect associations between the phase synchrony of Norwegian, Swedish, and Danish counties and a number of predictor variables.

* represents the product of population sizes for each municipality pair.

† binary variable indicating whether two counties are in the same country (0) or not (1).