

Table S1. Mantel tests at the municipality-level.

	Amplitude correlations		Phase correlations	
	Correlation	<i>p</i> -value	Correlation	<i>p</i> -value
<i>Mantel tests</i>				
Altitude [‡]	−0.15	0.001	−0.14	0.003
Air travel ^{II}	−0.006	0.42	0.008	0.39
<i>partial Mantel tests</i>				
Population, adjusted for altitude	0.37	0.0002	0.27	0.0003
Distance, adjusted for altitude	−0.34	0.0001	−0.16	0.001
Humidity, adjusted for altitude	0.33	0.0002	0.15	0.002
Temperature, adjusted for altitude	0.35	0.0002	0.16	0.002
Altitude, adjusted for:				
Population	−0.04	0.16	−0.07	0.07
Distance	−0.14	0.003	−0.13	0.006
Humidity	−0.14	0.001	−0.14	0.004
Temperature	−0.14	0.002	−0.14	0.005

Mantel and partial Mantel tests using Spearman correlations to detect associations between the amplitude and phase synchrony of Norwegian municipalities and a number of additional predictor variables.

‡ represents the absolute difference in average altitude between each municipality pair.

II represents the average number of airline passengers traveling between each municipality pair.