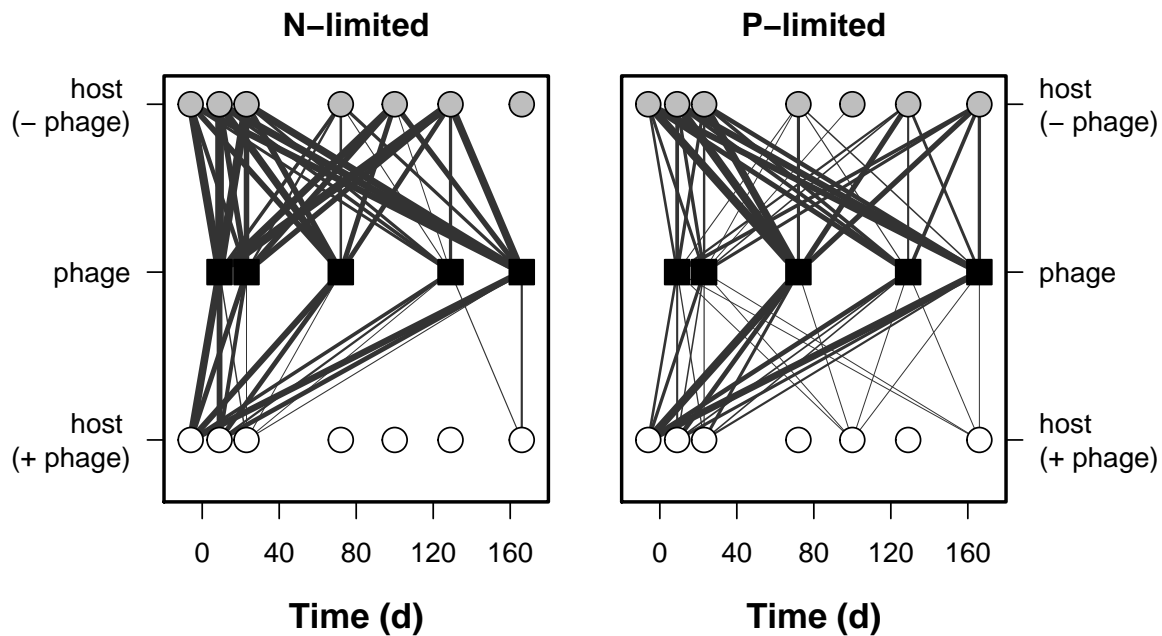


# Evolutionary Dynamics

## 1 Data Reduction and Figures

### 1.1 Evolutionary Networks

#### 1.1.1 Figure 2: Co-evolutionary dynamics



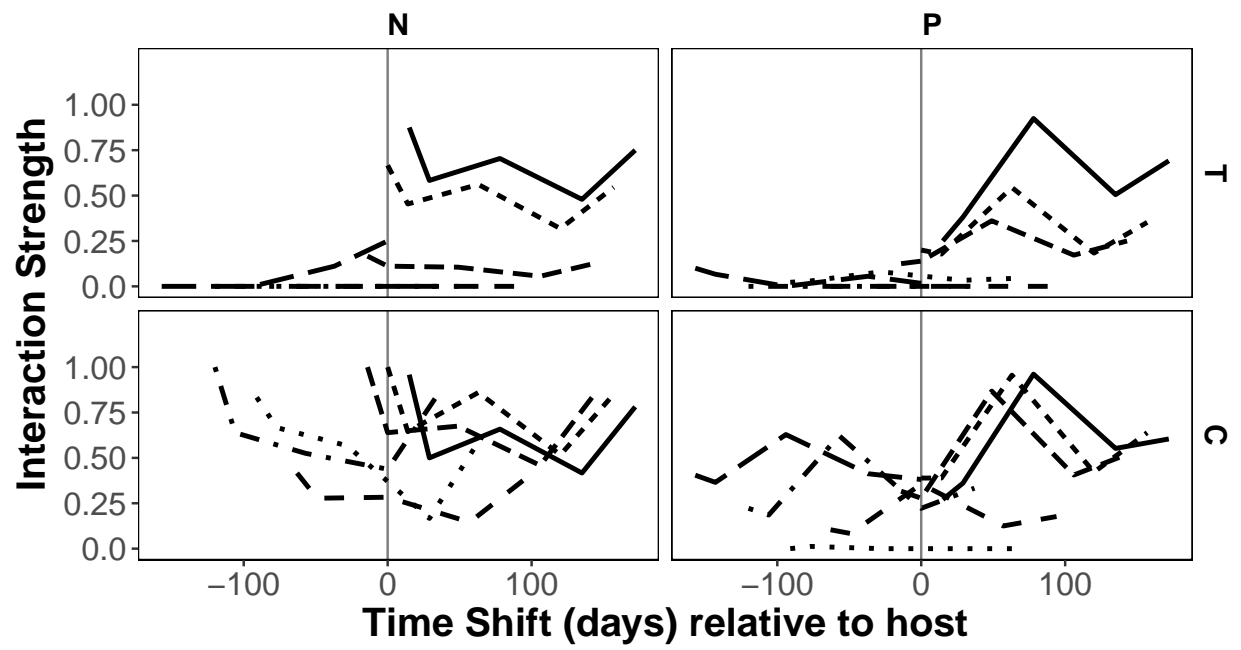
### 1.1.2 RMANOVA for Interaction Strengths

	AIC	BIC	logLik	L.Ratio	p-value
<b>model.ar</b>	169.1	260.1	-65.57	NA	NA
<b>model.arma1</b>	115.5	211.3	-37.76	55.63	8.769e-14
<b>model.arma2</b>	98.61	199.2	-28.31	18.91	1.37e-05

	Std.Error	t-value	p-value
(Intercept)	<b>0.07713</b>	<b>9.872</b>	<b>7.099e-22</b>
trtT	<b>0.08638</b>	<b>-3.702</b>	<b>0.0002276</b>
limP	<b>0.09298</b>	<b>-4.93</b>	<b>0.007875</b>
phage.time	0.0006172	-1.916	0.05569
bac.time	0.001005	0.1231	0.9021
trtT:limP	0.1078	1.856	0.06381
trtT:phage.time	0.0007027	1.008	0.3136
limP:phage.time	<b>0.0007399</b>	<b>3.511</b>	<b>0.0004695</b>
trtT:bac.time	<b>0.001097</b>	<b>-3.091</b>	<b>0.00206</b>
limP:bac.time	0.001136	-0.02436	0.9806
phage.time:bac.time	8.462e-06	-1.811	0.07056
trtT:limP:phage.time	0.0008774	-0.9831	0.3258
trtT:limP:bac.time	0.001294	1.933	0.05351
trtT:phage.time:bac.time	<b>9.205e-06</b>	<b>2.014</b>	<b>0.04427</b>
limP:phage.time:bac.time	9.576e-06	0.4493	0.6533
trtT:limP:phage.time:bac.time	1.086e-05	-1.801	0.07197

## 1.2 Evolutionary Time-shifts

### 1.2.1 Figure 3 | Figure S



### 1.3 Time-shift statistics

	AIC	BIC	logLik	L.Ratio	p-value
<b>model.ar</b>	169.1	260.1	-65.57	NA	NA
<b>model.arma1</b>	115.5	211.3	-37.76	55.63	8.769e-14
<b>model.arma2</b>	98.61	199.2	-28.31	18.91	1.37e-05

	Std.Error	t-value	p-value
<b>(Intercept)</b>	<b>0.03853</b>	<b>16.31</b>	<b>1.635e-52</b>
<b>trtT</b>	<b>0.04353</b>	<b>-10.05</b>	<b>0.0001667</b>
<b>limP</b>	<b>0.04541</b>	<b>-6.084</b>	<b>0.001735</b>
<b>time.shift</b>	<b>0.0003838</b>	<b>-2.211</b>	<b>0.02726</b>
<b>trtT:limP</b>	<b>0.05345</b>	<b>4.45</b>	<b>0.006701</b>
<b>trtT:time.shift</b>	<b>0.0004238</b>	<b>4.997</b>	<b>7.002e-07</b>
<b>limP:time.shift</b>	<b>0.0004391</b>	<b>3.912</b>	<b>9.853e-05</b>
<b>trtT:limP:time.shift</b>	<b>0.0005044</b>	<b>-3.341</b>	<b>0.0008681</b>