

Table S1. Pairwise ϕ_{ST} between pairs of samples of *Venturia inaequalis* collected on different cultivars in the same location.

	BR3	BR6	CN1	CN2	CN5	CN6	F3	F4	F7	MA1	MA3	MA4	SP1	SP2	US1
BR4	0.006 ^{ns}														
BR7		0.039**													
CN2			0.012 ^{ns}												
CN3				0.005 ^{ns}	0.000 ^{ns}										
CN6					0.002 ^{ns}										
CN7						0.004 ^{ns}	0.004 ^{ns}								
F6							0.008 ^{ns}								
F5								0.012 ^{ns}							
F8									0.009 ^{ns}						
MA2										0.000 ^{ns}					
MA4											0.000 ^{ns}				
MA5												0.070***	0.086***		
SP2													0.023*		
SP3													0.016 ^{ns}	0.016*	
US2															0.000 ^{ns}

The null hypothesis $\phi_{ST} = 0$ was tested using 1000 random permutations [50]. ^{ns} $P>0.05$, * $P<0.05$, ** $P<0.01$, *** $P<0.001$.