

Supplemental Table 2. Summary of a multinomial logistic regression for the full model and the coefficients for important variables

identified using the Boruta package

	Synthetic				Non-synthetic				Mixture				Variable importance
	Non-synthetic		Mixture		Synthetic		Mixture		Non-synthetic		Synthetic		
	Log(OR)	P-value	Log(OR)	P-value	Log(OR)	P-value	Log(OR)	P-value	Log(OR)	P-value	Log(OR)	P-value	
(Intercept)	-0.73	0.13	-1.8	0.016	0.73	0.13	-1.1	0.13	1	0.2	1.8	0.019	
Spray date	-1.6	<0.001	0.44	0.001	1.6	<0.001	2	<0.001	-2	<0.001	-0.44	0.001	75.1
First spray date	-0.31	0.004	-0.63	<0.001	0.31	0.004	-0.32	0.017	0.32	0.017	0.63	<0.001	40.4
Susceptibility V6 strains													15.4
1	10	<0.001	-8.1	<0.001	-8.1	<0.001	-29	<0.001	50	<0.001	-4.5	<0.001	
2	0.53	0.5	0.87	0.4	-0.53	0.5	0.34	0.8	-0.34	0.8	-0.87	0.4	
3	0.06	0.7	0.23	0.5	-0.06	0.7	0.17	0.6	-0.17	0.6	-0.23	0.5	
4	0.46	0.3	1.7	0.011	-0.46	0.3	1.3	0.051	-1.3	0.05	-1.7	0.011	
5	0.08	>0.9	1.2	0.2	-0.08	>0.9	1.1	0.2	-1.1	0.2	-1.2	0.2	
Susceptibility non-V6 strains													15.1
1	-9.9	<0.001	8.4	<0.001	8	<0.001	29	<0.001	-51	<0.001	4.2	<0.001	
2	-0.9	0.2	-0.57	0.6	0.9	0.2	0.34	0.7	-0.33	0.7	0.57	0.6	
3	0.06	0.7	0.23	0.5	-0.06	0.7	0.17	0.6	-0.17	0.6	-0.23	0.5	
4	-0.51	0.14	-0.95	0.016	0.51	0.14	-0.44	0.2	0.44	0.2	0.95	0.016	
Pruning thoroughness													25.0
2	0.14	0.6	-0.06	0.9	-0.14	0.6	-0.2	0.5	0.2	0.5	0.06	0.9	
3	0.35	0.2	0.4	0.3	-0.35	0.2	0.04	0.9	-0.04	0.9	-0.4	0.3	
4	0.46	0.2	0.15	0.7	-0.46	0.2	-0.31	0.4	0.31	0.4	-0.15	0.7	
5	0.13	0.7	-0.27	0.5	-0.13	0.7	-0.4	0.3	0.4	0.3	0.27	0.5	
Disease incidence	-0.08	0.5	0.37	0.003	0.08	0.5	0.46	<0.001	-0.46	<0.001	-0.37	0.003	27.5
Disease incidence in May	-0.02	0.9	0.01	>0.9	0.02	0.9	0.04	0.7	-0.04	0.7	-0.01	>0.9	5.8
Flag shoot incidence	0.18	0.3	-8	<0.001	-0.18	0.3	-8.5	<0.001	7.6	<0.001	7.4	<0.001	4.0

