

757 **Supplemental Table 1.** Blacklists of edges that were not permitted in the Bayesian networks

from	to	from	to
1 Annual costs	Area (non)R6	44 Interval	Area (non)R6
2	Degree centrality	45	Degree centrality
3	Disease incidence	46	Disease incidence
4	First spray date	47	First spray date
5	Initial interval after change	48	Pruning
6	Interval	49	Susceptibility to (non)R6-virulent strains
7	Mildew May	50 Mildew May	Annual costs
8	Mixture	51	Area (non)R6
9	Nonsynthetic	52	Pruning
10	Pruning	53	Pruning
11	Susceptibility to (non)R6-virulent strains	54	Susceptibility to (non)R6-virulent strains
12	Synthetic	55 Mixture	Annual costs
13 Area (non)R6	Annual costs	56	Area (non)R6
14	Pruning	57	Nonsynthetic
15	Susceptibility to (non)R6-virulent strains	58	Pruning
16 Degree centrality	Area (non)R6	59	Susceptibility to (non)R6-virulent strains
17	First spray date	60	Synthetic
18	Initial interval after change	61 Nonsynthetic	Area (non)R6
19	Interval	62	Mixture
20	Mildew May	63	Pruning
21	Mixture	64	Susceptibility to (non)R6-virulent strains
22	Pruning	65	Synthetic
23	Susceptibility to (non)R6-virulent strains	66 Pruning	Area (non)R6
24 Disease incidence	Area (non)R6	67	Susceptibility to (non)R6-virulent strains
25	Degree centrality	68 Susceptibility to (non)R6-virulent strains	Annual costs
26	First spray date	69	Area (non)R6
27	Initial interval after change	70	Pruning
28	Interval	71 Synthetic	Area (non)R6
29	Mildew May	72	Initial interval after change
30	Mixture	73	Mixture
31	Nonsynthetic	74	Nonsynthetic
32	Pruning	75	Pruning
33	Susceptibility to (non)R6-virulent strains	76	Susceptibility to (non)R6-virulent strains
34	Synthetic		
35 First spray date	Area (non)R6		
36	Degree centrality		
37	Nonsynthetic		
38	Pruning		
39	Susceptibility to (non)R6-virulent strains		
40 Initial interval after change	Area (non)R6		
41	First spray date		
42	Mixture		
43	Pruning		
44	Susceptibility to (non)R6-virulent strains		