

# Supporting information "The spread of a wild plant pathogen is driven by the road network"

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## S1 Table

parameter	model	mean	sd	q2.5.	q50.	q97.5.
$\alpha_{road}$	Model 1	404.47	33.80	341.16	403.38	473.59
$\theta_{road}$	Model 1	151.30	16.15	121.24	150.91	185.33
$\theta_{euc}$	Model 1	19.67	11.28	5.79	17.09	47.78
$c_1$	Model 1	380.62	81.68	242.07	372.21	559.65
$c_2$	Model 1	459.75	69.80	335.90	455.47	608.70
$c_3$	Model 1	528.40	130.81	313.02	514.12	828.33
$e_1$	Model 1	0.46	0.03	0.41	0.46	0.52
$e_2$	Model 1	0.24	0.02	0.21	0.24	0.27
$e_3$	Model 1	0.11	0.02	0.08	0.11	0.15
$\alpha_{road}$	Model 2	403.95	43.65	323.40	401.57	494.78
$\alpha_{euc}$	Model 2	1989.19	732.55	838.88	1905.61	3643.87
$\theta_{road}$	Model 2	148.62	20.12	112.71	147.44	190.95
$\theta_{euc}$	Model 2	30.69	20.13	7.32	25.56	82.80
$c_1$	Model 2	338.39	87.92	199.17	326.88	536.39
$c_2$	Model 2	426.05	77.43	293.39	419.76	596.30
$c_3$	Model 2	524.33	134.14	307.33	509.79	827.24
$e_1$	Model 2	0.50	0.03	0.46	0.50	0.55
$e_2$	Model 2	0.24	0.01	0.21	0.23	0.26
$e_3$	Model 2	0.11	0.02	0.08	0.11	0.15
$\alpha_{road}$	Model 3	306.89	36.65	240.20	304.75	383.08
$\alpha_{euc}$	Model 3	2013.02	810.64	772.79	1906.74	3962.22
$c_1$	Model 3	1146.00	243.90	728.39	1122.63	1677.28
$c_2$	Model 3	1302.07	180.24	974.32	1293.39	1678.75
$c_3$	Model 3	1614.79	401.03	934.33	1578.64	2515.97
$\theta$	Model 3	34.01	3.22	28.07	33.88	40.63
$e_1$	Model 3	0.47	0.02	0.43	0.47	0.51
$e_2$	Model 3	0.23	0.02	0.20	0.23	0.26
$e_3$	Model 3	0.13	0.02	0.09	0.13	0.18

**Table 1. Summaries of the posterior distributions, means, standard deviations and posterior quantiles, for the three estimated SIS-transmission models.**