

**TABLE S4** Number of outlier loci in the validation of the per species ABC models. Loci were considered outlier when two-sided P-value < 0.05. P values are not corrected for multiple tests.

Statistic	S. schwerinii			S. viminalis		
	Bottleneck	Growth	Neutral	Bottleneck	Growth	Neutral
Segregating sites	2	1	2	1	1	1
Singletons	0	0	0	0	0	0
Wattersons theta	2	1	2	1	1	1
Tajimas D	4	4	4	2	2	2
Fu & Li F*	3	3	3	2	2	2
Fu & Li D*	1	1	1	2	2	2
Number of haplotypes	1	1	1	2	2	3