Supplementary Materials

Appendix S1. Variance Inflation factors (GVIFs) of candidate variables used to model survival of beech (*Fuscospora solandri*) seedlings on Motuareronui. Variables in bold type did not exceed the GVIF threshold of 1.5 and were included in the model. Variables not in bold type exceeded the VIF threshold of 1.5 and were excluded on the grounds of colinearity.

Variable	Variable type	GVIF
Ambient light (lux)	**Continuous numeric**	**1.126**
Dominant vegetation cover	**Factor**	**1.069**
Aspect	**Factor**	**1.032**
Mean vegetation height	Continuous numeric	1.548
Mean canopy density	**Factor**	**1.213**
Dominant canopy species	Factor	3.019
Dominant understory species	**Factor**	**1.099**
Bare ground (%)	Continuous numeric	1.626
Moss or lichen (%)	**Numeric (percentage)**	**1.281**
Duff or litter (%)	**Numeric (percentage)**	**1.191**

Appendix S2. Variance Inflation factors (GVIFs) of candidate variables used to model growth of beech (*Fuscospora solandri*) seedlings on Motuareronui. Variables in bold type did not exceed the GVIF threshold of 1.5 and were included in the model. Variables not in bold type exceeded the VIF threshold of 1.5 and were excluded on the grounds of colinearity.

Variable	Variable type	GVIF
Ambient light (lux)	**Continuous numeric**	**1.214**
Dominant vegetation cover	**Factor**	**1.224**
Aspect	**Factor**	**1.096**
Mean vegetation height	Continuous numeric	2.423
Mean canopy density	Factor	1.700
Dominant canopy species	Factor	3.031
Dominant understory species	**Factor**	**1.227**
Bare ground (%)	Numeric (percentage)	2.083
Moss or lichen (%)	Numeric (percentage)	1.834
Duff or litter (%)	Numeric (percentage)	2.908