	Experiment name	Content of experiment
1-D model experiments	Control	Use the almost same parameters as those in Shigemitsu et al. (2012).
	Parameter-optimized	Optimize the parameters with μ-GA at KNOT and S1.
3-D model experiments	Control	The same as control of 1-D model but applied to 3-D simulation.
	Parameter-optimized	The same as parameter optimization of the 1-D model but applied to 3-D simulation for two provinces in Fig. 1b.
	SST-dependent	The same as parameter optimization of 3-D simulation with interpolated parameters at KNOT and S1 with SST instead of parameters for two provinces.