

S1 Table. Search ranges for Bayesian model parameters.

Model parameter	Search range
$\alpha_{C_{10}}$	0.0001 – 1 MPa
$\alpha_{k_1}$	0.1 – 1'000 MPa
$\alpha_{k_2}$	0.1 – 1'000
$\alpha_{\Sigma}$	0.0001 – 1 MPa
$\sigma_{C_{10}}$	0 – 2
$\sigma_{k_1}$	0 – 2
$\sigma_{k_2}$	0 – 2
$\sigma_{\Sigma}$	0 – 1