

Supplementary file S4

Fit and specification tests, sawlog models.

Model	RMSE	Fixed-effects F	Breusch-Pagan	Hausman	Breusch-Godfrey	IPS-ADF
Static, common slope						
Fixed effect	0.24	105.27***			65.95***	-1.71
Random effect	0.24		407.53***	20.08***	111.95***	N.a.
First difference	0.14				5.34**	N.a.
Dynamic, common slope						
Fixed effect	0.16	2.22**			2.39	-4.72***
Random effect	0.16		1.10	0.73	1.76	N.a.
First difference	0.19				2.12	N.a.
Static, regional slopes						
Fixed effect	0.17	17.44***			15.02***	-2.20**
Random effect	0.17		3.13*	0.59	119.59***	N.a.
First difference	0.15				5.37**	N.a.
Dynamic, regional slopes						
Fixed effect	0.15	5.60***			1.03	-4.32***
Random effect	0.15		3.15*	2.61	113.55***	N.a.
First difference	0.19				2.47	N.a.

Significance levels: *** = 1%, ** = 5%, * = 10%. N.a. = not applicable.