

		River/region (observations)	Scaling exponents		Reference
		Domain (predictions)	Width–erosion rate	Slope–erosion rate	
Channels crossing a fault	Observations	Bakeya, Nepal	-0.63	0.49	Lavé and Avouac (2001)
		Peikang, Taiwan	-0.42	0	Yanites et al. (2010)
	Model prediction	Tools-dominated	-0.5	0.12–0.47	
		Cover-dominated	-0.5	0.07–0.33	
Steady-state catchments	Observations	Eastern Tibet	Not measured	0.65	Ouimet et al. (2009)
		San Gabriel Mountains	0	0.49	DiBiase et al. (2010)
		Mendocino Triple Junction	0	0.25	Snyder et al. (2003)
		Siwalik hills	Not measured	0.93	Kirby and Whipple (2001); Wobus et al. (2006b)
	Model prediction	Tools-dominated	0	0.27–1.05	
		Cover-dominated	0	0.14–0.67	