Normalized productivity response	Region	ln SOC 0–20 cm (%)	ln N stock 0–20 cm ($g\ m^{-2}$)	Soil C : N ratio 0–20 cm	ln soil C : N ratio 0–10 cm	Mineral soil sand (%)	Mineral soil clay (%)	ln TEB stock 0–20 cm ($cmol_+\ m^{-2}$)	pH_{KCl} 0–20 cm
Residual MAI (method 1)	N ($n = 542$)	quad $= -0.16 \pm 0.02$ $P < 0.01$ lin $= 0.49 \pm 0.08$ $P < 0.01$ intercept $= -0.19 \pm 0.08$ $P = 0.03$ $R^2_{tot} = 0.145$	slope $= 0.29 \pm 0.06$ $P < 0.01$ intercept $= -1.5 \pm 0.3$ $P < 0.01$ $R^2_{tot} = 0.012$	slope $= -0.014 \pm 0.004$ $P < 0.01$ intercept $= 0.3 \pm 0.1$ $P < 0.01$ $R^2 = 0.021$	n/a	slope $= 0.003 \pm 0.001$ $P = 0.01$ intercept $= -0.2 \pm 0.1$ $P = 0.03$ $R^2_{tot} = 0.008$	slope $= 0.009 \pm 0.004$ $P = 0.02$ intercept $= -0.05 \pm 0.03$ $P = 0.14$ $R^2_{tot} = 0.002$	$P = 0.11$	quad $= -0.71 \pm 0.06$ $P < 0.01$ lin $= 5.3 \pm 0.4$ $P < 0.01$ intercept $= -9.7 \pm 0.9$ $P < 0.01$ $R^2_{tot} = 0.099$
	M ($n = 777$)	quad $= -0.16 \pm 0.02$ $P < 0.01$ lin $= 0.35 \pm 0.08$ $P < 0.01$ intercept $= -0.03 \pm 0.08$ $P = 0.71$ $R^2_{tot} = 0.145$	slope $= 0.29 \pm 0.06$ $P < 0.01$ intercept $= -1.5 \pm 0.3$ $P < 0.01$ $R^2_{tot} = 0.012$	slope $= -0.027 \pm 0.005$ $P < 0.01$ intercept $= 0.7 \pm 0.2$ $P < 0.01$ $R^2 = 0.029$	n/a	slope $= 0.003 \pm 0.001$ $P = 0.01$ intercept $= -0.23 \pm 0.09$ $P = 0.01$ $R^2_{tot} = 0.008$	slope $= 0.009 \pm 0.004$ $P = 0.02$ intercept $= -0.05 \pm 0.03$ $P = 0.14$ $R^2_{tot} = 0.002$	$P = 0.11$	quad $= -0.71 \pm 0.06$ $P < 0.01$ lin $= 5.6 \pm 0.4$ $P < 0.01$ intercept $= -10.8 \pm 0.8$ $P < 0.01$ $R^2_{tot} = 0.099$
	S ($n = 946$)	quad $= -0.16 \pm 0.02$ $P < 0.01$ lin $= 0.19 \pm 0.09$ $P = 0.03$ intercept $= 0.5 \pm 0.1$ $P < 0.01$ $R^2_{tot} = 0.145$	slope $= 0.29 \pm 0.06$ $P < 0.01$ intercept $= -1.5 \pm 0.3$ $P < 0.01$ $R^2_{tot} = 0.012$	slope $= -0.082 \pm 0.007$ $P < 0.01$ intercept $= 2.0 \pm 0.2$ $P < 0.01$ $R^2 = 0.112$	n/a	slope $= 0.003 \pm 0.001$ $P = 0.01$ intercept $= 0.00 \pm 0.08$ $P = 0.98$ $R^2_{tot} = 0.008$	slope $= 0.009 \pm 0.004$ $P = 0.02$ intercept $= -0.05 \pm 0.03$ $P = 0.14$ $R^2_{tot} = 0.002$	$P = 0.11$	quad $= -0.71 \pm 0.06$ $P < 0.01$ lin $= 5.9 \pm 0.4$ $P < 0.01$ intercept $= -11.5 \pm 0.8$ $P < 0.01$ $R^2_{tot} = 0.099$
Actual / attainable MAI (method 2)	All of Sweden ($n = 955$)	quad $= -2.6 \pm 0.4$ $P < 0.01$ lin $= 11 \pm 2$ $P < 0.01$ intercept $= 32 \pm 2$ $P < 0.01$ $R^2 = 0.048$	slope $= 10.7 \pm 0.8$ $P < 0.01$ intercept $= -18 \pm 5$ $P < 0.01$ $R^2 = 0.146$	n/a	slope $= -19 \pm 5$ $P < 0.01$ intercept $= 100 \pm 5$ $P < 0.01$ $R^2 = 0.131$	slope $= -0.04 \pm 0.02$ $P = 0.01$ intercept $= 42 \pm 1$ $P < 0.01$ $R^2 = 0.005$	slope $= 0.18 \pm 0.06$ $P < 0.01$ intercept $= 39.2 \pm 0.6$ $P < 0.01$ $R^2 = 0.008$	slope $= 2.0 \pm 0.5$ $P < 0.01$ intercept $= 32 \pm 2$ $P < 0.01$ $R^2 = 0.014$	slope $= 3 \pm 1$ $P < 0.01$ intercept $= 29 \pm 4$ $P < 0.01$ $R^2 = 0.009$