

## Supplement

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### Fertilisers mediate the short-term effects of sheep grazing in the Icelandic highlands

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#### SUPPLEMENTARY TABLE

**Table S1.** Effect of fertiliser application, habitat and site, and all possible interactions on the effect of grazing on bare ground, total biomass, graminoids, forbs, shrubs, and cover of moss and lichen, when excluding the pairs of plots that were accidentally fertilised in the sparsely vegetated areas of Þeistareykir (3 pairs). The significance of the interactions was assessed comparing models with and without the interaction. An asterisk indicates significant effects ( $p < 0.05$ ).

Interactions	Bare Ground	Total Biomass	Graminoids	Shrubs	Forbs	Moss and Lichen
Fertiliser:Habitat:Site	F=0.01 p=0.959	F=1.79 p=0.203	F=1.30 p=0.274	F=0.43 p=0.519	F=1.55 p=0.235	F=0.73 p=0.405
Site:Habitat	F=0.12 p=0.727	F=3.66 p=0.076	F=1.88 p=0.191	F=1.70 p=0.210	F=1.47 p=0.243	F=0.65 p=0.429
Fertiliser:Site	F=0.46 p=0.506	F=0.71 p=0.410	F=0.66 p=0.428	F=0.07 p=0.792	F=0.20 p=0.659	F=1.22 p=0.287
Habitat:Fertiliser	F=1.84 p=0.193	F=0.04 p=0.842	F=0.01 p=0.943	F=0.04 p=0.842	F=2.90 p=0.108	F=0.81 p=0.380
Fertiliser	F=3.03 p=0.099	F=4.62 p=0.046*	F=5.24 p=0.035*	F=0.16 p=0.690	F=1.50 p=0.236	F=1.32 p=0.266
Habitat	F=2.89 p=0.107	F=0.03 p=0.853	F=0.02 p=0.867	F=0.16 p=0.685	F=0.72 p=0.406	F=1.37 p=0.257
Site	F=0.02 p=0.868	F=0.190 p=0.668	F=0.873 p=0.363	F=0.48 p=0.497	F=0.39 p=0.538	F=1.40 p=0.252