

10.1071/CP14164\_AC

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Supplementary Material: *Crop & Pasture Science*, 2015, 66(2), 192–204.

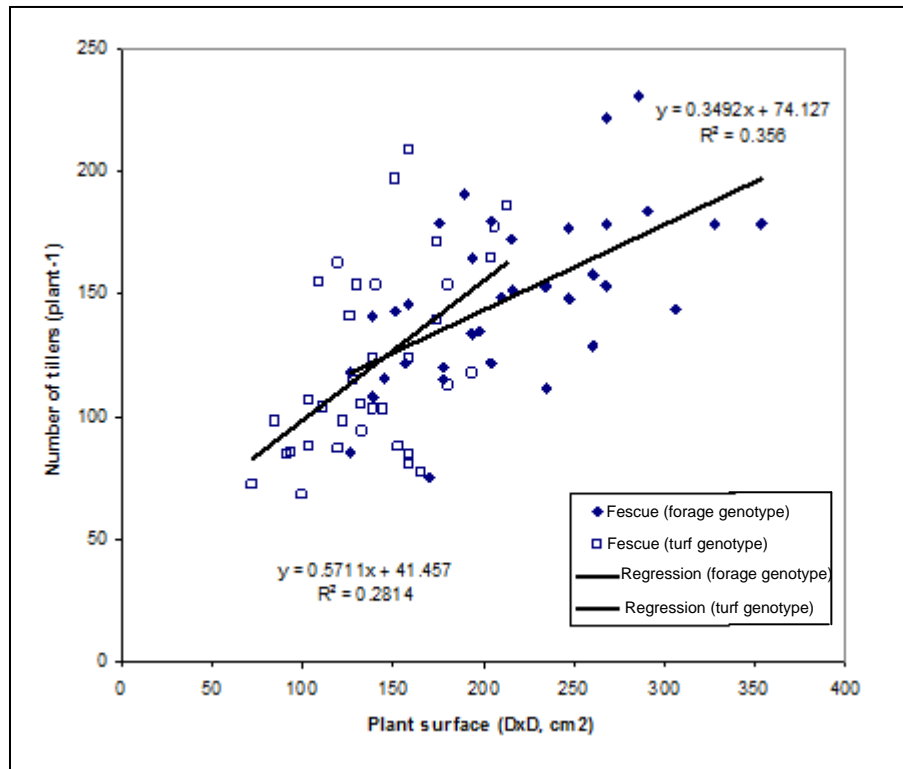
**Effects of lucerne genotype on morphology, biomass production and nitrogen content of lucerne and tall fescue in mixed pastures**

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**Fig. S1.** Example of relationships between the fescue plant surface (squared plant diameter) shortly after a cut and the number of tillers of fescue plants. Data are for fescue plants grown in mixture with lucerne genotypes C1, G3, G1, F3, 5\_10, 8\_2, 11\_6 after the second cut in 2011.

Fig. S2

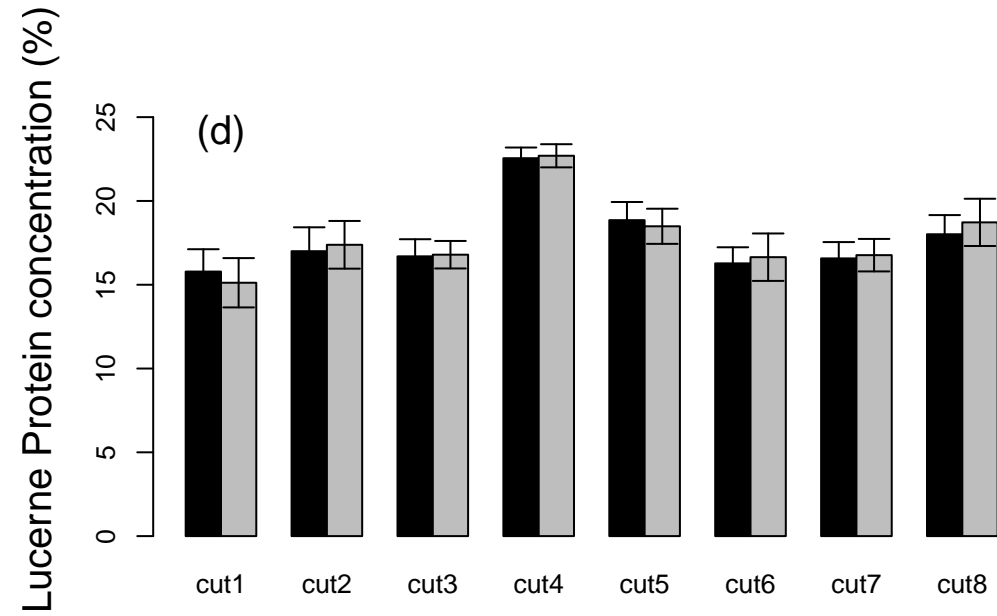
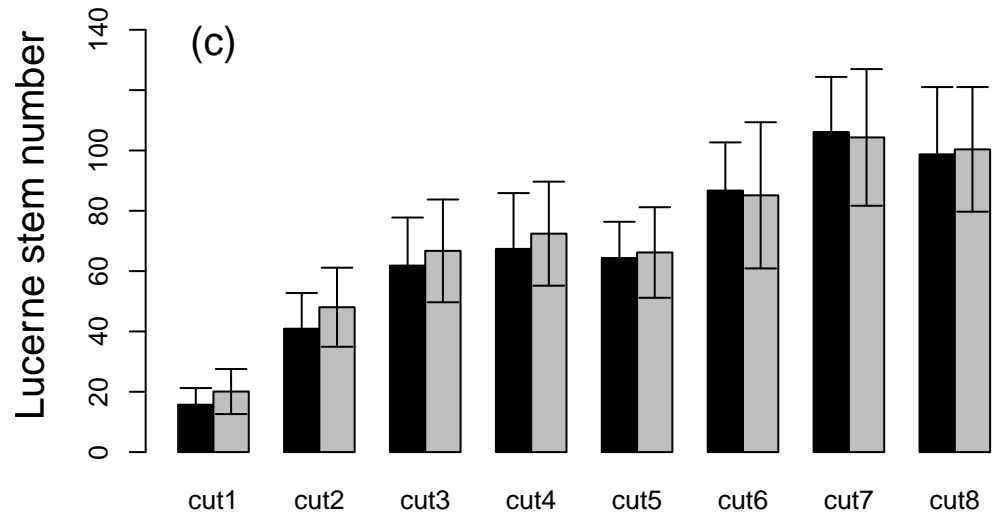
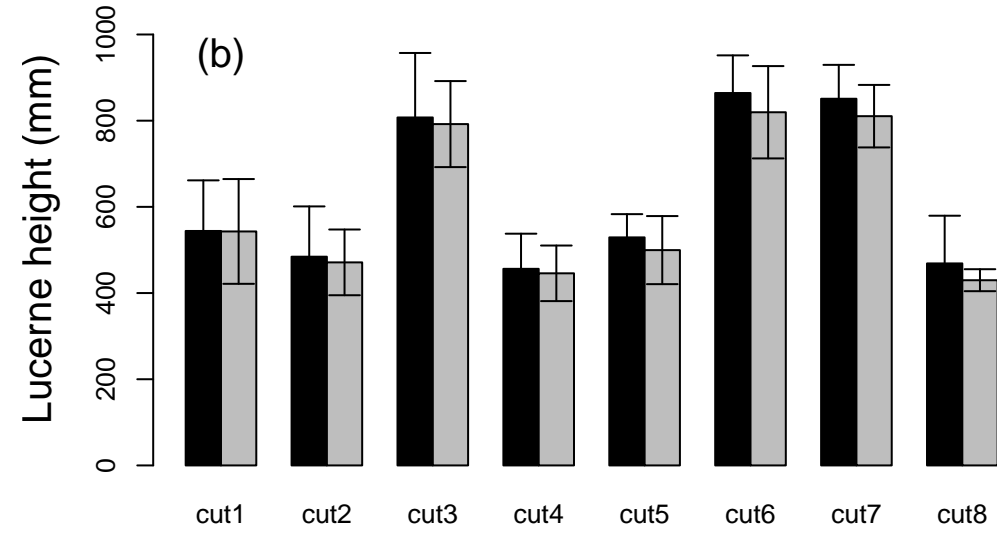
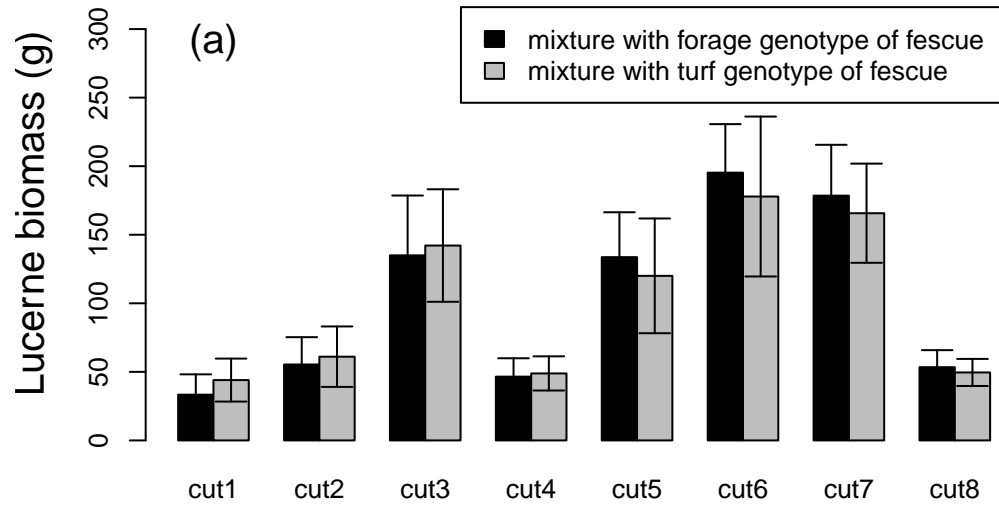


Fig. S3

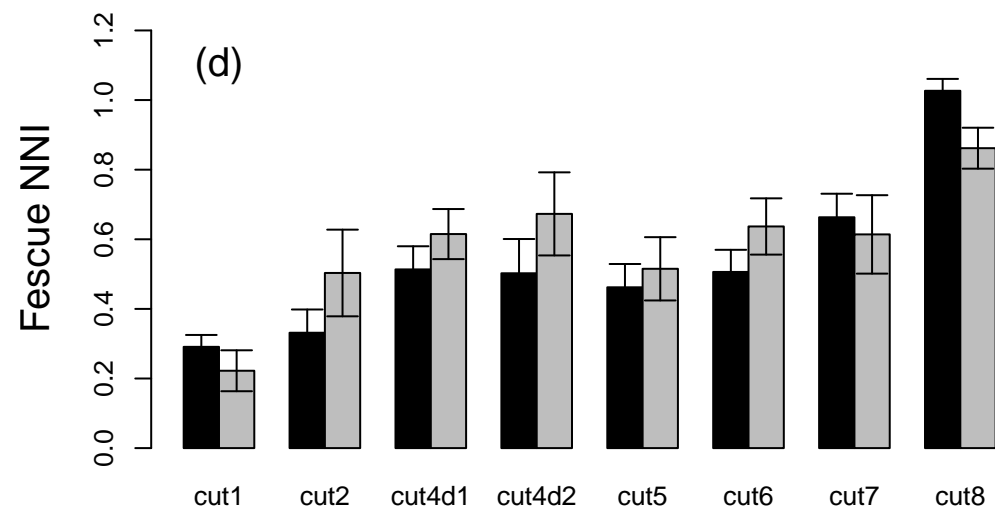
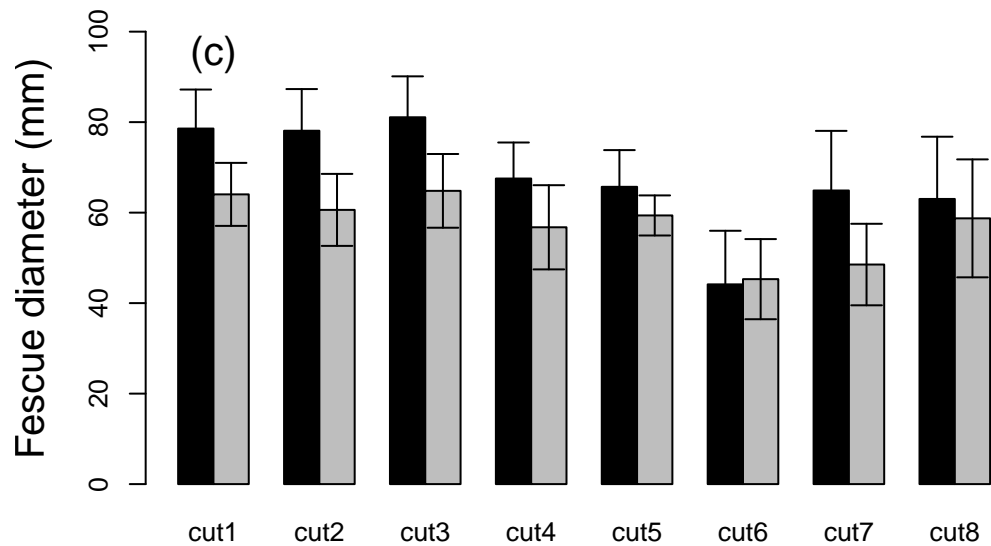
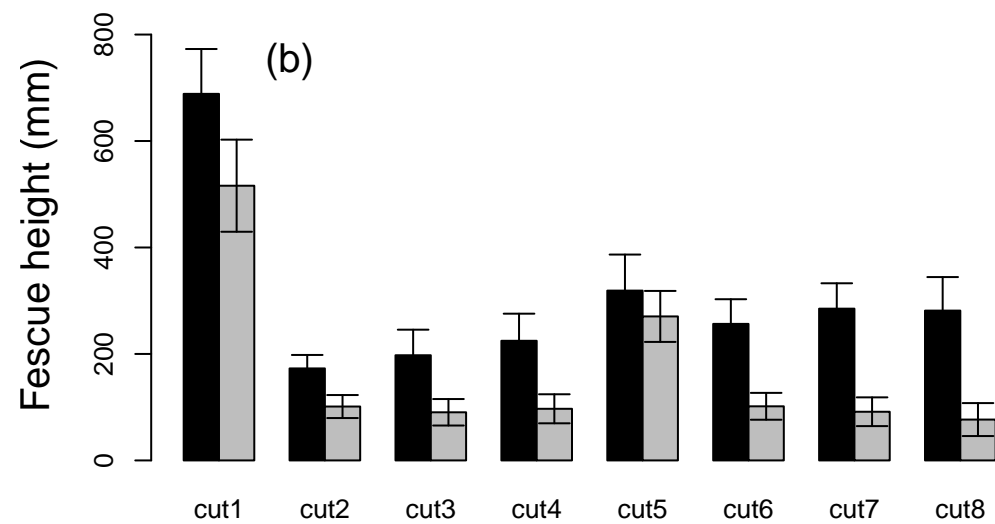
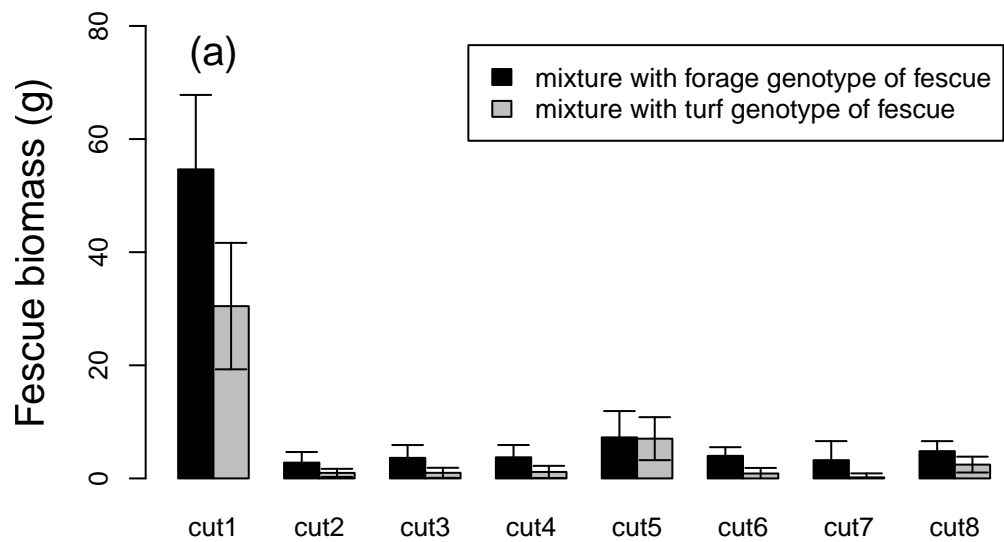
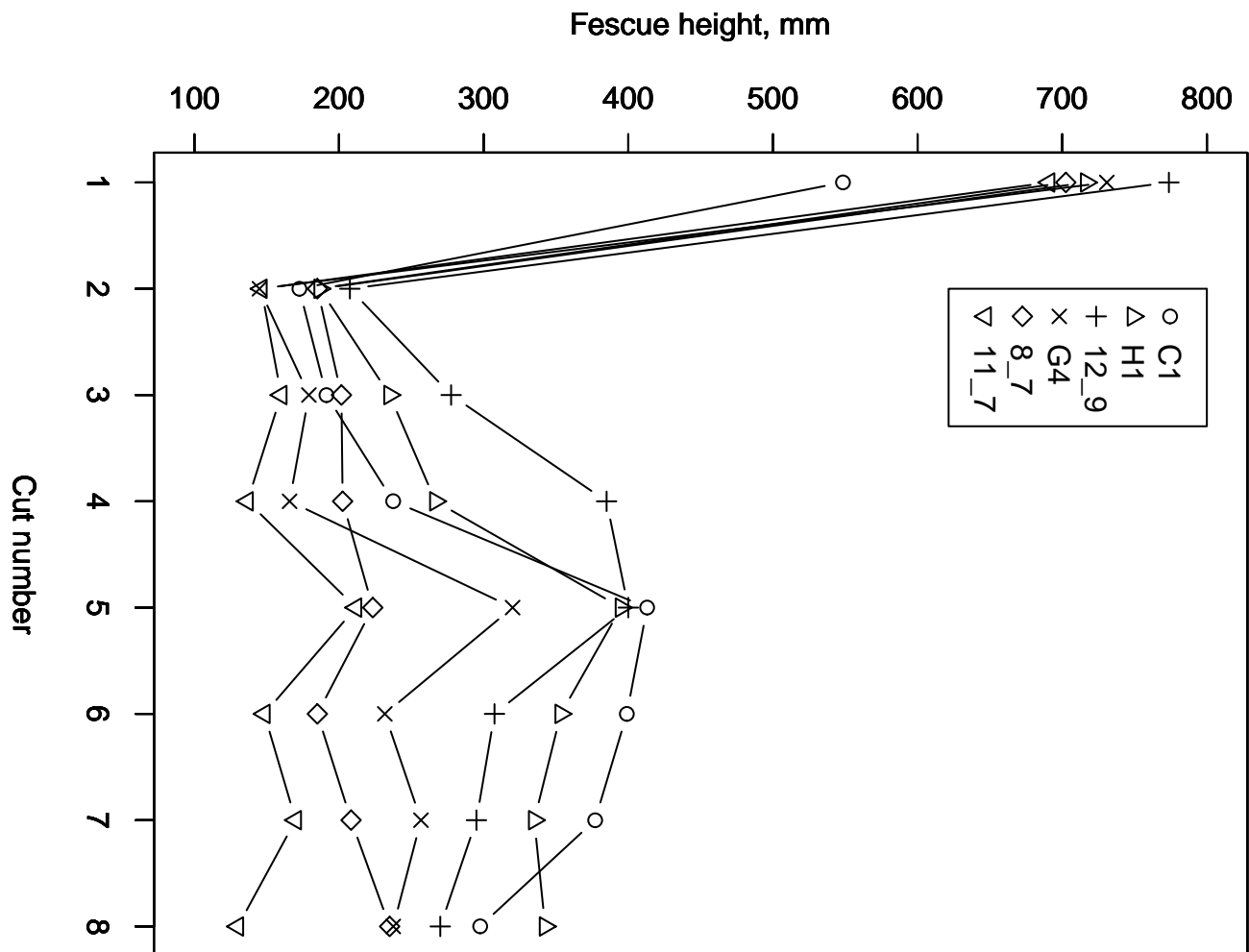
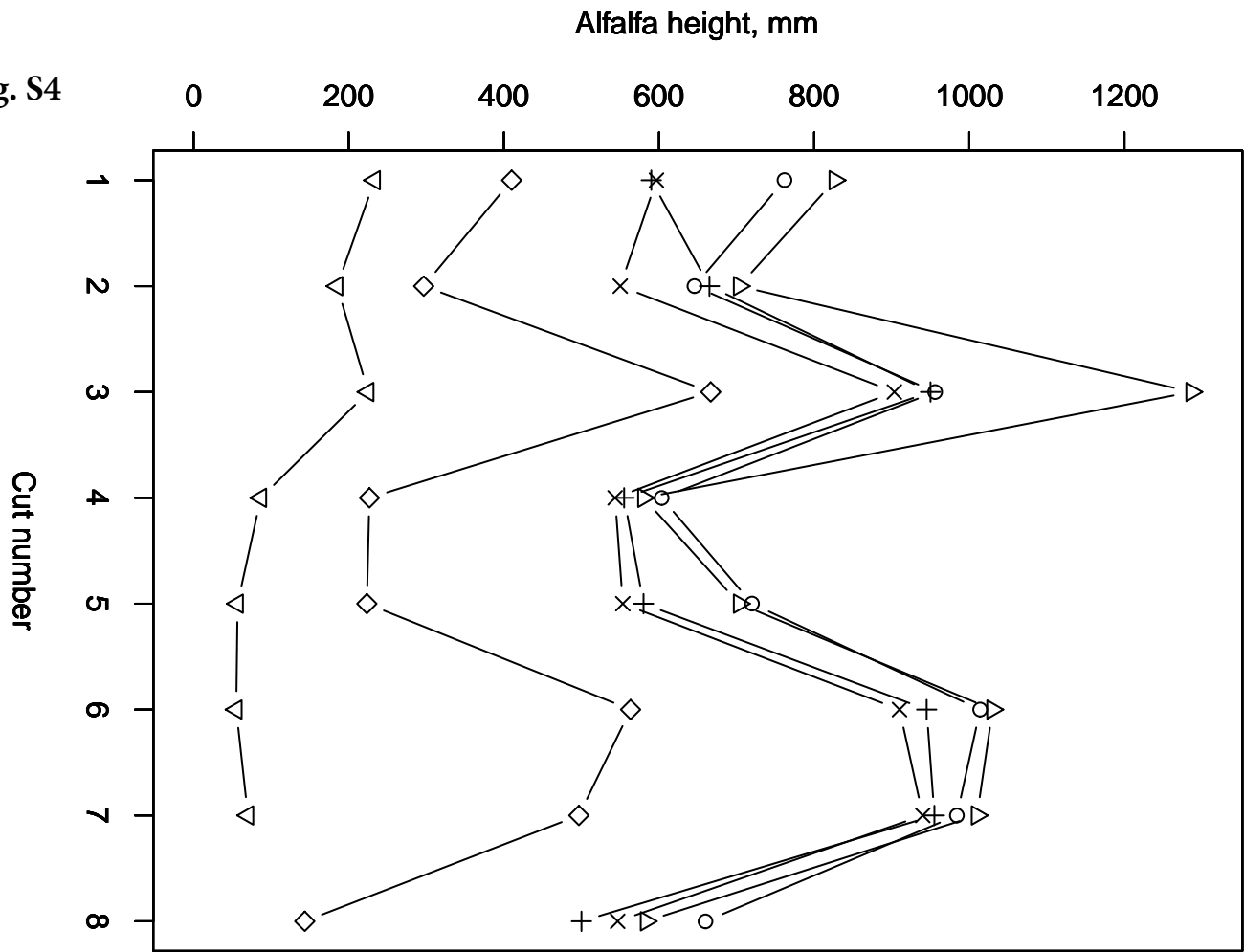


Fig. S4



○	C1
△	H1
◇	8_7
×	11_7
+	12_9
*	G4

**Fig. S2.** Mean values for four traits, (a) biomass, (b) plant height, (c) plant diameter and (d) protein concentration measured on lucerne genotypes grown in mixtures with a forage genotype or a turf genotype of tall fescue in eight cuts in 2011 (cuts 1 to 4) and 2012 (cuts 5 to 8). Bars indicate the squared root of mean squared error in the analysis of variance with the effects of lucerne variety, lucerne genotype within variety and repetition, in each cut and with each fescue genotype.

**Fig. S3.** Mean values for four traits: (a) biomass, (b) plant height, (c) plant diameter and (d) NNI measured on two tall fescue genotypes grown in mixture with lucerne in eight cuts in 2011 (cuts 1 to 4) and 2012 (cuts 5 to 8). Bars indicate the squared root of mean squared error in the analysis of variance with the effects of lucerne variety, lucerne genotype within variety and repetition, in each cut and with each fescue genotype.

**Fig. S4.** Change in (a) lucerne height and (b) fescue height from the first cut in 2011 to the eighth cut 2012 for six lucerne genotypes grown in mixture with the forage genotype of tall fescue.