Supplementary Material

Screening and field evaluation of white clover rhizobia for New Zealand pastures

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Table S1. The total biologically fixed N from three *Rlt* strains, TA1 and their paired control in three field trials. Statistical significance of total biologically fixed N to either control or TA1 were indicated by symbols in the relevant treatments.

Trial 1	1st harvest (g N per 2m line)	2nd harvest (g N per 2m line)	3rd harvest (g N per 2m line)
TA1	0.8 ± 0.2	5.1 ± 0.7	3.1 ± 0.3
control	0.8 ± 0.2	5.3 ± 0.9	2.9 ± 0.4
S4N6	0.8 ± 0.1	4.3 ± 0.6	3.2 ± 0.3
control	0.9 ± 0.1	3.7 ± 0.6	3.2 ± 0.4
S11N9	1.1 ± 0.2	4.0 ± 1.1	3.0 ± 0.3
control	0.9 ± 0.3	4.2 ± 1.0	2.8 ± 0.4
S20N7	1.0 ± 0.3	5.7 ± 0.9	2.6 ± 0.5
control	0.9 ± 0.2	4.3 ± 1.1	2.4 ± 0.6

Trial 2	1st harvest (g N per 2m line)	2nd harvest (g N per 2m line)	3rd harvest (g N per 2m line)
TA1	1.5 ± 0.2	8.4 ± 0.8	3.5 ± 0.5
control	1.7 ± 0.2	8.9 ± 1.1	3.3 ± 0.3
S4N6	1.8 ± 0.1	7.5 ± 1.1	3.2 ± 0.3
control	1.4 ± 0.2	7.4 ± 1.2	4.8 ± 1.6
S11N9	2.3 ± 0.4	8.1 ± 1.2	3.6 ± 0.4
control	1.75 ± 0.2*	6.4 ± 0.7	2.8 ± 0.4
S20N7	1.7 ± 0.3	8.9 ± 1.1	3.8 ± 0.4
control	1.8 ± 0.3	7.1 ± 1.1	3.6 ± 0.4

Trial 3	Oct. -Nov. 2019 kg N per ha	Oct.2019 - Jan. 2020 kg N per ha	Oct.2019 - Feb. 2020 kg N per ha
control	48 ± 9*	180 ± 8	230 ± 17
S4N6	61 ± 4	190 ± 9	237 ± 19
TA1	60 ± 5	177 ± 11#	225 ± 16
control	58 ± 3	181 ± 10	230 ± 21
S11N9	61 ± 4	192 ± 7	243 ± 15
TA1	60 ± 3	193 ± 7	248 ± 15
control	53 ± 4	166 ± 9*	220 ± 17*
S20N7	57 ± 4	192 ± 10	248 ± 15
TA1	58 ± 6	187 ± 12	246 ± 18

* : $P < 0.05$; # $P < 0.1$