

Supplementary Figure S1

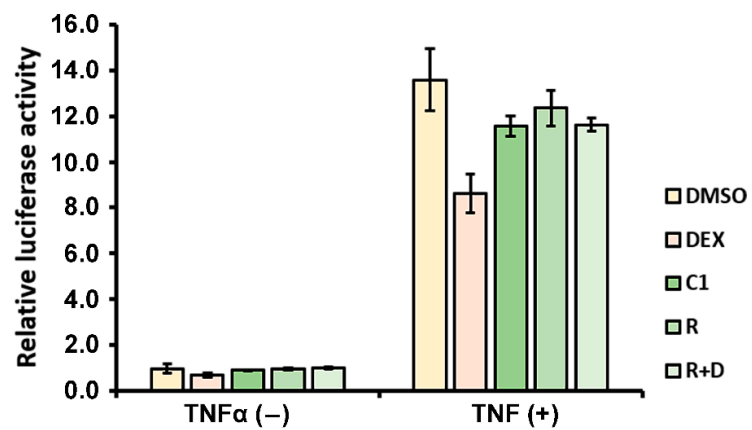


Figure S1. Anti-inflammatory activities of shoot extracts from *Rhizobium*-inoculated plants. Anti-inflammatory activities of extracts from non-inoculated plants grown at 21° C (C1), *Rhizobium*-inoculated (R), and *Rhizobium*-AMF double inoculated plants (R+D) were evaluated by assessment of the suppression of the TNF α -induced NF- κ B transcriptional activation in HEK-293 cells. HEK-293 cells were co-transfected with the NF- κ B-luciferase reporter and the β -galactosidase reporter constructs and subsequently were treated with 40 μ g/ml plant extracts, or with 1 μ M DEX, for 6 hours, in the presence or absence of 20 ng/ml TNF α , at hormone-free medium. Results were expressed as relative luciferase activity normalized against β -galactosidase activity. Relative luciferase activity in control TNF α -minus DMSO-treated cells was set at 1. No statistically significant differences were observed by the *Rhizobium*-associated extracts compared to the non-inoculated plant extracts and to the DMSO treatment.