

S12 Table. Numbers of evaluated replicates per experimental treatment.

| | | D6 | | D12 | | N6 | |
|----------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | <i>MS</i> | <i>PA</i> | <i>MS</i> | <i>PA</i> | <i>MS</i> | <i>PA</i> |
| AMF substrate | NI | 6 | 6 | 6 | 6 | 6 | 6 |
| | in-situ | 6 | 6 | 5 | 4 | 5 | 4 |
| | pre | 6 | 6 | 6 | 5 | 6 | 5 |
| Control substrate | NI | 6 | 6 | 6 | 6 | 6 | 6 |
| | in-situ | 6 | 6 | 6 | 5 | 6 | 5 |
| | pre | 6 | 6 | 6 | 4 | 6 | 4 |

Medicago sativa (*MS*) or *Phalaris arundinacea* (*PA*) plants were grown in AMF substrate or Control substrate, non-inoculated (NI), inoculated in-situ (in-situ) or pre-inoculated (pre) with the *R. irregularis* ‘Chomutov’. D6 and D12 are directly inoculated donor plants harvested after six or 12 weeks of cultivation, respectively; N6 are six-week-old neighboring plants. Decreased replicate numbers due to the dieback of N6 plants are highlighted in bold.