Ke’s experiment

Description:

16S rRNA amplicon study including six 16S amplicon experiments with the L.japonicus plant grown in natural cologne soil and LECA. Seven different genotypes of the L.japonicus plant was used in the different experiments where each genotype had three alleles. The plants in the LECA boxes were incubated with the LJSynCom in three of the experiments and with its bacterial symbiont in one of the experiments.

16S rRNA amplicon and RNA-seq study including five 16S amplicon experiments and one RNA-seq experiment with the Lotus japonicus plant grown in native cologne soil and LECA. Seven different genotypes of the L. japonicus plant was used in the different experiments. The plants in the LECA boxes were incubated with the LJSynCom in three of the experiments and with its bacterial symbiont in one of the experiments. Additionally one time course experiment was done with LECA, LJSynCom with samples from 9 and 12 wpi.

16S rRNA amplicon study including the Lotus japonicus plant grown in native cologne soil. Three different genotypes, namely Gifu (WT), lhk1nfya1 and nfr5snf1 of the L. japonicus plant were used in the study. Furthermore, the following compartments were used: endosphere, nodule and rhizosphere.

16S rRNA amplicon study including the Lotus japonicus plant grown in native cologne soil. Three different genotypes, namely Gifu (WT), Gifu, *nfre, epr3, chit5* and *nfr5* of the L. japonicus plant were used in the study where each of the mutants had 2 or three alleles. Furthermore, the following compartments were used: endosphere, nodule and rhizosphere. Also, some of the plants were treated with 10 mM KNO3.

16S rRNA amplicon study including the Lotus japonicus plant grown in magenta LECA boxes. Three different genotypes, namely Gifu (WT) and nfr5 of the L. japonicus plant were used in the study. Furthermore, the following compartments were used: endosphere, nodule and rhizosphere. The plants were incubated with different syncoms.

16S rRNA amplicon study including the Lotus japonicus plant grown in magenta LECA boxes. Three different genotypes, namely Gifu (WT) and lhk1nfya1 of the L. japonicus plant were used in the study. Furthermore, the following compartments were used: endosphere, nodule and rhizosphere. The plants were incubated with different syncoms.

16S rRNA amplicon time course experiment including the Lotus japonicus Gifu plant grown in magenta LECA boxes. Seven different genotypes of the L. japonicus plant was used in the different experiments. experiments. Plants were isolated at 9 and 12 wpi. Furthermore, the plants were treated with ¼ B&D media and 10 mM KNO3 respectively.

16S rRNA amplicon study including the Lotus japonicus plant grown in magenta LECA boxes. Two different genotypes, namely Gifu (WT) and lhk1nfya1 of the L. japonicus plant were used in the study. Furthermore, the only compartment used was the endosphere. The plants were inoculated with the M.Loti R7A and ¼ B&D media respectively.

Studies rather than experimental protocol

Media in exp. Protocol

Wpi in treatment column

SynCom strains: ?

Should we put in growth system? LECA or soil or is it self-explanatory? Experimental protocol