**Table S1**: Experimental setup and derived replicates for gene expression and growth analysis

|  |  |  |
| --- | --- | --- |
| **Number****of plants** | **Soil type and treatment** | **Comments** |
| **Heidgraben** | **Meckenheim** |
| **ARD** | **γ ARD** | **ARD** | **γ ARD** |
| Total | 25 | 25 | 25 | 25 | * 100 plants of M26, B63, and MAL0595 each
* 12 plants of M9
* 312 plants in total
 |
| Used after 7d | 15 | 15 | 15 | 15 | For gene expression analysis* 5 samples (3 plants each) of roots and leaves = 40 samples of M26, B63 and MAL0595 = 120 in total
* 2 samples only for Heidgraben soil (roots and leaves) of M9 = 8
* 128 samples in total
 |
| Used after 28 d | 9-10 | 9-10 | 9-10 | 9-10 | Growth parameter (9-10 plants)* Only done for M26, B63 and MAL0595

Phytoalexin analysis (4-5 plants)* Only done for M26, B63 and MAL0595
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