|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Feld 2** | **Feld 3** | **Feld 4** | **Chamber** |
| Year | 2007/08 | 2008/09 | 2009/10 |  |
| Sowing | fall | fall | fall |  |
| Number accessions | **51** | 77 | 75 | 54 |
| Number accessions with known LT50 | 48 | 64 | 63 | 54 |
| biochemical analysis | yes | yes | yes | no |
| GC-MS | no | yes | yes | yes |
| LC-MS | yes | yes | not yet | yes |
| Expression analysis |  | 12 selected | 12 selected | Yes |
| Glucose | x | x | x |  |
| Fructose | x | x | x |  |
| Sucrose | x | x | x |  |
| Raffinose | x | x | x |  |
| Amino acids | x | x | x |  |
| Proline | x | x | x |  |
| Malate | x | x | x |  |
| Fumarate | x | x | x |  |
| Flavonoids (Tohge) | x | x | ? |  |
| Anthocyan (Tohge) | x | x | ? |  |
| Anthocyan (Heike) 🡪 leave out! |  |  | x |  |
| BBCH | x | x | x |  |
| Anthocyan score | x | x | x |  |
| Survival rate | x | x | x |  |
| Seed weight | x (not reliable) | x (not reliable) | x |  |