**Table S3:** Plating of soil suspensions of ARD soil and γARD soil before and after storage for three months from the two sites (Heidgraben and Meckenheim). n = 6 Petri dishes from two independently plated samples. Colony-forming units (CUFs) were counted after one day for bacteria and seven days for fungi.

|  |  |  |  |
| --- | --- | --- | --- |
| **untreated** | **site** | **Bacteria (\* 104)** | **Fungi (\* 104)** |
| **before storage** | **after storage**  | **before storage** | **after storage** |
| Heidgraben | 7.3 ± 2.1 | 6.3 ± 2.6 | 6.0 ± 3.7 | 2.2 ± 1.5 |
| Meckenheim  | 52.5 ± 10.2 | 63.0 ± 43.9 | 1.7 ± 1.6 | 0.3 ± 0.5 |
| **γ-irradiated** |  | **Bacteria (\* 102)** | **Fungi (\* 102)** |
| **site** | **before storage** | **after storage**  | **before storage** | **after storage** |
| Heidgraben | 0 | 0 | 0 | 0 |
| Meckenheim  | 0 | 0 | 0 | 0 |