

Table S1. Family diversity of bean sprouts – other fourteen abundant families (detected only from <0.5 % to 4 %)

| Family/ Genus | Sample A (0 h) 12 441 | Sample A (48 h) 209 702 | Sample B (0 h) 13 728 | Sample B (48 h) 378 082 |
|--|--------------------------|----------------------------|--------------------------|----------------------------|
| <i>Leuconostocaceae</i> (G+) | 0 (0 %) | 6 (<0.5 %) | 171 (2 %) | 13 170 (4 %) |
| <i>Leuconostoc</i> | 0 % | <0.5% | <0.5% | 1% |
| <i>Weissella</i> | 0 % | <0.5% | 1% | 3% |
| <i>Pectobacteriaceae</i> (G-) | 3 (<0.5 %) | 307 (<0.5 %) | 30 (<0.5 %) | 8 407 (2 %) |
| <i>Pectobacterium</i> | 0 % | <0.5% | <0.5% | 2% |
| <i>Dickeya</i> | <0.5 % | <0.5% | <0.5% | <0.5% |
| <i>Yersiniaceae</i> (G-) | 1 (<0.5 %) | 411 (<0.5 %) | 98 (1 %) | 5 577 (2 %) |
| <i>Yersinia</i> | 0 % | <0.5% | <0.5% | <0.5% |
| <i>Serratia</i> | <0.5 % | <0.5% | 1% | 1% |
| <i>Comamonadaceae</i> (G-) | 1 (<0.5 %) | 4 764 (2 %) | 7 (<0.5 %) | 5 259 (1 %) |
| <i>Comamonas</i> | <0.5 % | 1% | <0.5% | 1% |
| <i>Delftia</i> | 0 % | 1% | <0.5% | <0.5% |
| <i>Campylobacteriaceae</i> (G-) | 1 (<0.5 %) | 3 604 (2 %) | 4 (<0.5 %) | 56 (<0.5 %) |
| <i>Campylobacter</i> | <0.5 % | <0.5% | <0.5% | <0.5% |
| <i>Arcobacter</i> | 0 % | 2% | <0.5% | <0.5% |
| <i>Aeromonadaceae</i> (G-) | 0 (0 %) | 808 (<0.5 %) | 2 (<0.5 %) | 3 968 (1 %) |
| <i>Aeromonas</i> | 0 % | <0.5% | <0.5% | 1% |
| <i>Chromobacteriaceae</i> (G-) | 1 (<0.5 %) | 844 (<0.5 %) | 2 (<0.5 %) | 166 (<0.5 %) |
| <i>Chromobacterium</i> | 0 % | <0.5% | 0% | <0.5% |
| <i>Laribacter</i> | 0 % | <0.5% | <0.5% | <0.5% |
| <i>Burkholderiaceae</i> (G-) | 2 (<0.5 %) | 1 020 (1 %) | 8 (<0.5 %) | 1 125 (<0.5 %) |
| <i>Burkholderia</i> | <0.5 % | <0.5% | <0.5% | <0.5% |
| <i>Cupriavidus</i> | <0.5 % | <0.5% | <0.5% | <0.5% |
| <i>Xanthomonadaceae</i> (G-) | 2 (<0.5 %) | 542 (<0.5 %) | 4 (<0.5 %) | 991 (<0.5 %) |
| <i>Xanthomonas</i> | <0.5 % | <0.5% | 0% | <0.5% |
| <i>Lysobacter</i> | 0 % | <0.5% | <0.5% | <0.5% |
| <i>Neisseriaceae</i> (G-) | 0 (<0.5 %) | 34 (<0.5 %) | 0 (<0.5 %) | 41 (<0.5 %) |
| <i>Neisseria</i> | 0 % | <0.5% | 0% | <0.5% |
| <i>Enterococcaceae</i> (G+) | 1 (<0.5 %) | 325 (<0.5 %) | 6 (<0.5 %) | 1 409 (<0.5 %) |

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|-------------------------------------|----------------------|------------------------|----------------------|------------------------|
| <i>Enterococcus</i> | 0 % | <0.5% | <0.5% | <0.5% |
| <i>Vagococcus</i> | 0 % | <0.5% | <0.5% | <0.5% |
| <i>Morganellaceae (G-)</i> | 1 (<0.5 %) | 68 (<0.5 %) | 5 (<0.5 %) | 132 (<0.5 %) |
| <i>Morganella</i> | 0 % | <0.5% | 0% | <0.5% |
| <i>Proteus</i> | 0 % | <0.5% | <0.5% | <0.5% |
| <i>Providencia</i> | 0 % | <0.5% | <0.5% | <0.5% |
| <i>Lactobacillaceae (G+)</i> | 2 (<0.5 %) | 89 (<0.5 %) | 5 (<0.5 %) | 427 (<0.5 %) |
| <i>Lactobacillus</i> | <0.5 % | <0.5% | <0.5% | <0.5% |
| <i>Pediococcus</i> | <0.5% | <0.5% | 0% | <0.5% |
| <i>Hafniaceae (G-)</i> | 1 (<0.5 %) | 147 (<0.5 %) | 7 (<0.5 %) | 136 (<0.5 %) |
| <i>Hafnia</i> | 0% | <0.5% | <0.5% | <0.5% |
| Others families | 1% | 3% | 2% | 3% |