**Supplemental Table 3.** ANOSIM and multilevel pattern analysis results for assessing the populations of organisms at different storage temperatures (3, 6.5, and 10°C), HTST temperatures (75, 85, and 90°C), and different biological replicates (Trial)

|  |  |  |  |
| --- | --- | --- | --- |
|  | Taxonomic Rank | | |
|  | AT | Species | Genus |
| Factor | ANOSIM *P* and R values | | |
| Storage Temperature | *P* < 0.01, R = 0.19 | *P* < 0.001, R = 0.25 | *P* < 0.001, R = 0.29 |
| HTST Temperature | *P* = 0.48, R = -0.0057 | *P* = 0.55, R = -0.013 | *P* = 0.84, R = -0.04 |
| Trial | *P* = 0.25, R = 0.04 | *P* = 0.089, R = 0.075 | *P* < 0.05, R = 0.14 |
|  | AT | Species | Genus |
| Storage Temperature | Taxa that were significantly associated with 1 or more storage temperatures1 | | |
| 3°C | *Bacillus licheniformis* AT 1(*P* < 0.01) | *Bacillus licheniformis* (*P* < 0.001) *Bacillus safensis* (*P* < 0.01) | *Bacillus* (*P* < 0.001) |
| 6.5°C |  | *Paenibacillus* cf. *peoriae* (*P* < 0.05) |  |
| 10°C |  | *Bacillus cereus* s.s. (*P* < 0.05) *Paenibacillus* cf. *peoriae* (*P* < 0.05) | *Bacillus* (*P* < 0.001), *Lysinibacillus* (*P* < 0.05) |

1s.s. denotes sensu stricto; cf. denotes conferre