**Table S1.** Blast analysis of the partial 16S rRNA gene sequence of *Lactobacillus* SP3.

| *Lactobacillus* strain                                  | Identity | Accession number |
|--------------------------------------------------------|----------|------------------|
| *Lactobacillus paracasei* strain LL13                  | 99%      | KX951732.1       |
| *Lactobacillus paracasei* strain RCM2                   | 99%      | KT626389.1       |
| *Lactobacillus casei* strain ZT-Lca.62                  | 99%      | KM921936.1       |
| *Lactobacillus casei* strain ZT-Lca.65                  | 99%      | KM921935.1       |
| *Lactobacillus casei* strain OC6                        | 99%      | JN851813.1       |
| *Lactobacillus paracasei* strain CACIO12CT              | 99%      | KU315107.1       |
| *Lactobacillus paracasei* strain CB8CT                  | 99%      | KL315101.1       |
| *Lactobacillus paracasei* strain UP2F                   | 99%      | MK071312.1       |
| *Lactobacillus paracasei* strain MA10-5                 | 99%      | MG755370.1       |
| *Lactobacillus casei* strain L25                        | 99%      | MH094125.1       |
| *Lactobacillus casei* strain L20                        | 99%      | MH094124.1       |
| *Lactobacillus casei* strain 111                        | 99%      | MH997808.1       |
| *Lactobacillus casei* strain ACP01                      | 99%      | MK032218.1       |
| *Lactobacillus casei* strain P5-1                       | 99%      | MK024231.1       |
| *Lactobacillus paracasei* strain 4G330                  | 99%      | MK026811.1       |