

**Table S1.** Distribution of the identified OTUs of bacterial genus during storage of vacuum-ackaged peeled potato.

Genus	OUTs			
	0d	4d	8d	12d
g_unclassified_f_Enterobacteriaceae	1232	13681	26962	22492
g_Serratia	544	19865	1847	713
g_Pantoea	3223	4254	8555	4055
g_Ralstonia	16373	8	57	1
g_Clostridium	32	0	1	7463
g_Pseudomonas	5191	1	33	26
g_unclassified_c_Clostridia	16	0	0	2587
g_Comamonas	2042	0	10	3
g_Brevundimonas	1001	0	5	1
g_Lysobacter	984	0	4	2
g_Delftia	877	0	2	0
g_Limnobacter	799	1	3	1
g_Erwinia	0	142	278	229
g_Chryseobacterium	282	0	130	83
g_Bacillus_f_Bacillaceae	455	0	2	1
g_Escherichia	220	31	74	62
g_Corynebacterium	321	0	0	0
g_Phyllobacterium	312	0	0	0
g_Luteibacter	218	0	0	0
g_Rhodococcus_f_Nocardiaceae	187	0	1	0
g_Sphingomonas	179	0	0	0
g_Leifsonia	160	0	0	0
g_Flexivirga	153	0	0	0
g_Tsukamurella	147	0	0	0
g_Flavobacterium	74	0	11	61
g_Lacrimispora	0	0	1	145
g_Neisseria	134	0	0	0
g_Herbaspirillum	127	0	2	2
g_Burkholderia	126	0	0	0
g_Leucobacter	123	0	0	0
g_Stenotrophomonas	99	0	1	0
g>Weissella	95	0	0	0
g_Arthrobacter	76	0	0	0
g_Nocardioides	72	0	1	0
g_Prevotella	65	0	2	0
g_Xenophilus	66	0	0	0
g_Achromobacter	62	0	0	0
g_Geobacillus	62	0	0	0
g_Ensifer	58	0	0	0
g_unclassified_c_Deltaproteobacteria	57	0	0	0
g_Curtobacterium	53	0	0	0
g_unclassified_d_unclassified	53	0	0	0
g_Devosia	53	0	0	0
g_unclassified_f_Microbacteriaceae	50	0	0	0
g_Humibacter	50	0	0	0
g_Blastococcus	49	0	0	0
g_Pararheinheimera	47	0	1	0
g_Defluviicoccus	48	0	0	0
g_Aeromonas	43	0	1	1
g_Lactococcus	0	0	0	43
g_unclassified_c_Actinobacteria	41	0	0	0
g_Mycobacterium	40	0	0	1
g_unclassified_p_Acidobacteria	40	0	0	0
g_Microbacterium	40	0	0	0
g_Staphylococcus	36	1	1	1
g_unclassified_f_Clostridiales_Family_XIII_Incertae_Sedis	37	0	0	0
g_Terrabacter	34	0	1	0
g_unclassified_f_Sporichthyaceae	33	0	0	0
g_Mesorhizobium	30	0	0	0
g_Cellvibrio	28	0	0	0
g_Glutamicibacter	28	0	0	0

g__Acinetobacter	22	0	3	1
g__unclassified_c__Betaproteobacteria	27	0	0	0
g__Mediterraneibacter	26	0	0	0
g__Lactobacillus	26	0	0	0
g__Solirubrobacter	25	0	0	0
g__Dietzia	25	0	0	0
g__Nitrobacter	25	0	0	0
g__Steroidobacter	24	0	0	0
g__unclassified_o__Bacillales	24	0	0	0
g__Paenibacillus	11	0	2	10
g__Leuconostoc	0	13	0	9
g__Anaeromyxobacter	22	0	0	0
g__Conexibacter	19	0	2	0
g__Streptomyces	21	0	0	0
g__Novosphingobium	20	0	0	0
g__unclassified_c__Alphaproteobacteria	20	0	0	0
g__Uliginosibacterium	20	0	0	0
g__Streptococcus	19	0	0	0
g__Bradyrhizobium	18	0	0	0
g__unclassified_p__Candidatus_Saccharibacteria	16	0	1	0
g__unclassified_f__Kofleriaceae	17	0	0	0
g__Paracoccus_f__Rhodobacteraceae	17	0	0	0
g__Ochrobactrum	15	0	0	0
g__Methylovorus	15	0	0	0
g__Dechloromonas	15	0	0	0
g__Cutibacterium	15	0	0	0
g__Methylobacterium	14	0	0	0
g__Pseudochrobactrum	14	0	0	0
g__unclassified_f__Methylocystaceae	13	0	0	0
g__unclassified_o__Sphingomonadales	13	0	0	0
g__Turicibacter	13	0	0	0
g__Fictibacillus	12	0	0	0
g__Ectothiorhodospira	13	0	0	0
g__Solibacillus	12	0	0	0
g__Brachybacterium	12	0	0	0
g__Caulobacter	11	0	0	0
g__unclassified_f__Thermoactinomyetaceae	10	0	0	0
g__unclassified_p__Proteobacteria	10	0	0	0
g__Hydrogenophilus	10	0	0	0
g__Georgenia	10	0	0	0
g__Bosea_f__Bradyrhizobiaceae	9	0	0	0
g__Fusobacterium	8	0	2	0
g__Nitrospira	9	0	0	0
g__Shimazuella	9	0	0	0
g__Micromonospora	10	0	0	0
g__Agromyces	9	0	0	0
g__Bifidobacterium	9	0	0	0
g__Lentzea	9	0	0	0
g__Acidobacterium	9	0	0	0
g__unclassified_f__Lachnospiraceae	8	0	0	0
g__unclassified_o__Myxococcales	9	0	0	0
g__Propioniciclava	8	0	0	0
g__Nonomuraea	8	0	0	0
g__Isoptericola	8	0	0	0
g__Shewanella	8	0	0	0
g__Paraliobacillus	8	0	0	0
g__Pseudarthrobacter	7	0	0	0
g__Azospirillum	7	0	0	0
g__unclassified_p__Gemmatimonadetes_d__Bacteria	6	0	0	0
g__Thermoactinomyces	6	0	0	0
g__unclassified_p__Bacteroidetes	6	0	0	0
g__Actinotalea	6	0	0	0
g__Perlucidibaca	5	0	0	0
g__unclassified_f__Acidobacteriaceae	5	0	0	0
g__Methyloburum	6	0	0	0
g__Enterobacter	0	0	0	5
g__unclassified_o__Sphingobacteriales	5	0	0	0
g__Lihuaxuella	4	0	0	0

g_Actinomadura	4	0	0	0
g_unclassified_f_Gemmatimonadaceae	3	0	0	0
g_Janthinobacterium	3	0	0	0
g_Pseudonocardia	3	0	0	0
g_Elizabethkingia	3	0	0	0
g_Rubellimicrobium	3	0	0	0
g_unclassified_f_Hyphomicrobiaceae	2	0	1	0
g_unclassified_f_Rhodospirillaceae	3	0	0	0
g_Actinophytocola	2	0	0	0
g_unclassified_c_Gammaproteobacteria	2	0	0	0
g_Blautia	2	0	0	0
g_Agrobacterium	2	0	0	0
g_Solanum	2	0	0	0
g_Microbulbifer	2	0	0	0
g_Dongia	2	0	0	0
g_Halomonas	2	0	0	0
g_unclassified_c_Chlamydiia	2	0	0	0
g_unclassified_o_Spirochaetales	1	0	0	0
g_Nitrosospira	1	0	0	0
g_unclassified_f_Rhodobiaceae	1	0	0	0
g_Methylomonas	1	0	0	0
g_unclassified_c_Sphingobacteriia	1	0	0	0
g_Simplicispira	0	0	0	1
g_Alkaliflexus	0	0	0	0
g_Peptostreptococcus	0	0	0	0
g_Physalis	0	0	0	0