

**Supplementary Table S1. Alpha-diversity parameters estimated for the experimental and control KMC**

Bacterial component of KMC

Samples	Chao-1 species richness*	Dominance_D	Evenness	Shannon_H $\alpha$
KMC_1b	463-493	0,42	0,013	1.806-1.808
KMC_2b	480-505	0.362-0.363	0,015	1.989-1.992
KMC_3b	492-517	0.384-0.385	0,014	1.91-1.911
KMC_1c	544-572	0.361-0.362	0,013	1.97-1.973
KMC_2c	573-600	0,338	0,014	2.091-2.093
KMC_3c	577-600	0.315-0.316	0,015	2.165-2.167
KMC_4b	467-500	0.367-0.368	0,016	1.979-1.981
KMC_4c	421-440	0.341-0.342	0,019	2.055-2.057
KMC_5	440-465	0,37	0,016	1.926-1.928

Yeast component of KMC

Strain	Chao-1 species richness	Dominance_D	Evenness	Shannon_H $\alpha$
KMC_1b	139-168	0.049-0.05	0.226-0.231	3.401-3.424
KMC_2b	178-206	0.06-0.061	0.144-0.146	3.214-3.228
KMC_3b	133-155	0.049-0.05	0.238-0.243	3.439-3.459
KMC_1c	215-246	0.076-0.076	0.097-0.098	3.014-3.018

KMC_2c	194-221	0.07-0.07	0.121-0.121	3.126-3.133
KMC_3c	188-216	0.075-0.075	0.114-0.114	3.043-3.047
KMC_4b	119-145	0.063-0.066	0.231-0.237	3.288-3.315
KMC_4c	103-129	0.132-0.139	0.158-0.166	2.76-2.807
KMC_5	85-102	0.171-0.181	0.16-0.168	2.597-2.647

#### Viral component of KMC

Strain	Chao-1 species richness	Dominance_D	Evenness	Shannon_H $\alpha$
KMC_1b	10-16	0.461-0.535	0.267-0.31	0.983-1.13
KMC_2b	9-15	0.525-0.592	0.234-0.266	0.745-0.873
KMC_3b	7-14	0.469-0.505	0.275-0.326	0.783-0.887
KMC_1c	13-23	0.175-0.279	0.435-0.601	1.73-2.055
KMC_2c	19-29	0.592-0.648	0.131-0.149	0.909-1.039
KMC_3c	21-32	0.163-0.194	0.349-0.4	1.991-2.128
KMC_4b	8-9	0.312-0.355	0.432-0.487	1.24-1.36
KMC_4c	4-5	0.5-0.516	0.498-0.512	0.689-0.718
KMC_5	6-7	0.896-0.923	0.202-0.214	0.194-0.249

\*Diapasons of statistically reliable variations of values of calculated parameters (p-value = 0.05) are shown in cells of the table.