

The raw sequencing data of bacterial and viral metagenomes of vinegar *Pei* samples in this study were deposited in the NCBI SRA database under the accession numbers listed in the table below.

Sample name	SRA ID	Sample name	SRA ID
0d-bacterial-1	SRR21774940	0d-viral-1	SRR21774936
0d-bacterial-2	SRR21774939	0d-viral-2	SRR21774935
0d-bacterial-3	SRR21774928	0d-viral-3	SRR21774934
8d-bacterial-1	SRR21774923	8d-viral-1	SRR21774933
8d-bacterial-2	SRR21774922	8d-viral-2	SRR21774932
8d-bacterial-3	SRR21774921	8d-viral-3	SRR21774931
12d-bacterial-1	SRR21774920	12d-viral-1	SRR21774930
12d-bacterial-2	SRR21774919	12d-viral-2	SRR21774929
12d-bacterial-3	SRR21774918	12d-viral-3	SRR21774927
18d-bacterial-1	SRR21774917	18d-viral-1	SRR21774926
18d-bacterial-2	SRR21774938	18d-viral-2	SRR21774925
18d-bacterial-3	SRR21774937	18d-viral-3	SRR21774924