

**Table S5: Statistical analysis of sequencing metrics, evaluating potential associations between the concentration/extraction methods and sequencing output characteristics.** Kruskal-Wallis tests were performed to assess differences in the total number of bases, median read quality, and median read length across the tested methods, dates and sample types (non-spiked/spiked).

<b>Kruskal Wallis rank sum test by</b>	<b>Median read length (p-value)</b>	<b>Median read quality (p-value)</b>	<b>Number of Reads (p-value)</b>
Date	0.7809	0.2979	0.3679
Method	0.05044	0.576	0.05499
Sample type	0.791	0.4774	0.5078