**S2 Fig: LC-MS analysis of T4 DNA composition.**

(**A-B**) Extracted ion chromatogram overlay of nucleotide mass traces in T4 WT DNA (front) and NgTET-treated T4 DNA (back). Data exemplifies differences in relative abundances of cysteine nucleotides (dC, 5hmdC, 5fdC, 5cadC) (**B**) while dG, dT and dA (**A**) show similar trends. Signal intensities have been normalized against the overall nucleotide signal in the respective sample to correct for differences in sample concentration and injection volume. (**C-D**) Extracted ion chromatogram of presumed 5ghmdC (**C**). The fragmentation pattern of presumed 5ghmdC corresponds to the predicted one (**D**). (**E**) Relative abundance of cytosine derivatives in T4 phage isolated from different strains (two-sided Student´s t-test, * - $P_{signif}$ < 0.05, ** - $P_{signif}$ < 0.025; n.d.: not detected). $n$ = 3 biological replicates.