



**Figure S4.** Quantification of viral copies per chromosome of *S. solfataricus* miniCR-transformants. Viral genomes as well as host chromosomes were measured via qPCR using primer pair Q- AA-Q2-no spacer (chromosome specific) and Q-A291 primers (virus DNA specific), respectively. Measurements of six biological replicates per construct are presented, whereas three of each were sampled at early - (t1) and three at late (t4) exponential growth, respectively. Error bars represent standard deviation (*SD*;  $n \geq 3$ ). No significant difference was detected between samples and control pZ2 (two tailed t-test:  $P \geq 0.38$  for all samples).