

**Table S8. Mutation rates identified in this experiment excluding the mutations from genes shown in Table 2.**

	<b>mc<sup>2</sup> 155 (WT)</b>			<b><i>ΔnucS</i></b>		
	<b>No. lines</b>	<b>Total generations</b>	<b>Generations per line</b>	<b>No. lines</b>	<b>Total generations</b>	<b>Generations per line</b>
	18	16,308	906	20	18,315	916
<b>Mutation type</b>	<b>No. mutations</b>	<b>Mutation rate per genome per generation (x10<sup>-3</sup>)*</b>	<b>Mutation rate per nucleotide per generation (x10<sup>-10</sup>)*</b>	<b>No. mutations</b>	<b>Mutation rate per genome per generation (x10<sup>-3</sup>)*</b>	<b>Mutation rate per nucleotide per generation (x10<sup>-10</sup>)*</b>
<b>Total</b>	132	8.09 ± 1.38	12.01 ± 2.04	3,101	169.36 ± 10.61	251.66 ± 15.83
<b>BPSs</b>	95	5.83 ± 1.24	8.65 ± 1.83	3,062	167.24 ± 10.44	248.52 ± 15.58
<b>Indels</b>	37	2.26 ± 0.80	3.36 ± 1.18	39	2.12 ± 0.66	3.15 ± 0.98

\* The mutation rate per genome or nucleotide per generation ± 95% CI (confidence intervals) is shown.