



B

Plasmid (DNAP)	Mutation rate (s.p.b.)	Average plasmid copy number	Number of cells plated on 500 μM pyr	Number of resistant colonies
<i>CEN6/ARS4</i> (genomic DNAPs)	1.86×10^{-10}	1-5	$\sim 1 \times 10^9$	<50
p1 (N423E)	1.81×10^{-7}	15.05	8×10^7	~ 150
p1 (I777K, L900S)	2.18×10^{-6}	16.00	4×10^8	>500

C

TP-DNAP1	Mutation rate (s.p.b.)	<i>PfDHFR</i> mutations	
		1:25 passaging	1:250 passaging
w.t.	2.23×10^{-9}	S108N	(extinction)
N423E	1.81×10^{-7}	S108N	S108N
I777K, L900S	2.18×10^{-6}	prom -87 T->C, D54N, Y57H, C59R	D54N, Y57H, I163V, V168I, G264D