

Table S6: Mutation Rates at the *pTET-lys2-TAA* in *apn1 ntg1 ntg2* strains following Dut1 Overexpression

Galactose + Raffinose (N= 24 cultures)		
	Mutation Rate ($\times 10^{-8}$) (High Transcription)	Mutation Rate ($\times 10^{-8}$) Low Transcription
Vector	180 (149-212)	2.24 (1.25-2.54)
pGal-DUT1	18.3 (12.5-23.5)	2.26 (1.51-3.93)
G1-DUT1	94 (77-124)	2.36 (1.10-3.44)
S-DUT1	124 (100-171)	2.27 (1.11-2.53)
G2-DUT1	115 (96.2-136)	1.90 (1.58-2.5)
Glycerol + Ethanol (N=24 cultures)		
	Mutation Rate ($\times 10^{-8}$) (High Transcription)	Mutation Rate ($\times 10^{-8}$) Low Transcription
Vector	70.9 (67.2-74)	2.94 (2.34-4.40)
G1-DUT1	45.2 (37.9 – 50.4)	2.14 (1.46-3.72)
S-DUT1	54.6 (47-61.7)	2.96 (2.21-3.26)
G2-DUT1	50 (46.4-60.3)	2.13 (1.21-5.43)