

Table 1 | Summary of mutations detected in control and extreme cells.

	Mutated cells %	Control vs extreme P-value	Estimated mutation rate (per site per division)		
			Literature rates	This study	
				All divisions	Extreme divisions
SNPs					
Control	14.6 (46/315)	0.064	3.3×10^{-10}	4.9×10^{-10}	
Extreme	19.2 (79/412)			6.4×10^{-10}	5.3×10^{-9}
Small indels					
Control	1.3 (4/315)	0.017	2×10^{-11}	4.2×10^{-11}	
Extreme	4.1 (17/412)			1.4×10^{-10}	2.5×10^{-9}
SVs					
Control	0.6 (2/315)	0.079	8.3×10^{-12}	2.1×10^{-11}	
Extreme	2.2 (9/412)			7.3×10^{-11}	1.4×10^{-9}
Indels + SV					
Control	1.9 (6/315)	0.0027			
Extreme	6.3 (26/412)				

The numbers of mutated cells in each category, with the associated Fischer's test P-values, are summarized. Literature mutation rates^{25,27} are shown for comparison with the rates calculated for control and extreme cells in this study. For extreme cells both lower and upper bounds are provided, assuming that they differ from the control cells in all divisions leading up to sorting (lower), or only the last prolonged cycle where they experienced the DNA damage (upper bound). SV, structural variation; Indels, insertion/deletions.