

**Table 3.** Carcinogen-induced LOH does not generate genetically unstable cells

<b>Clone</b>	<b>Inducer EL LOH</b>	<b>Genotype</b>	<b>Treatment</b>	<b>Frequency TK loss</b>	<b>Ratio</b>
C8TK2	None	TK <sup>+</sup> EL <sup>+/-</sup>	None	1.9 × 10 <sup>-5</sup>	} 2.5
C8TK1sN	Spontaneous	TK <sup>+</sup> EL <sup>-/-</sup>	None	4.7 × 10 <sup>-5</sup>	
C8TK2mN	MNU	TK <sup>+</sup> EL <sup>-/-</sup>	None	1.3 × 10 <sup>-5</sup>	} .24
C8TK2sN	Spontaneous	TK <sup>+</sup> EL <sup>-/-</sup>	None	5.3 × 10 <sup>-5</sup>	
C8TK2hN	HU	TK <sup>+</sup> EL <sup>-/-</sup>	None	1.2 × 10 <sup>-5</sup>	} .23
C8TK2sN	Spontaneous	TK <sup>+</sup> EL <sup>-/-</sup>	HU	2.8 × 10 <sup>-4</sup>	} 1.8
C8TK2hN	HU	TK <sup>+</sup> EL <sup>-/-</sup>	HU	4.9 × 10 <sup>-4</sup>	
C8TK2sN	Spontaneous	TK <sup>+</sup> EL <sup>-/-</sup>	MNU	2.9 × 10 <sup>-4</sup>	} 1.6
C8TK2mN	MNU	TK <sup>+</sup> EL <sup>-/-</sup>	MNU	4.5 × 10 <sup>-4</sup>	

The HSV thymidine kinase (*TK*) gene was introduced into cells containing an entrapment mutation in the *Hesx1* gene. A *TK*-expressing (TK<sup>+</sup>) clone (C8TK2) was used to select for cells that had undergone LOH at the entrapment locus (EL) spontaneously (C8TK2sN) or after treatment with HU (C8TK2hN) or MNU (C8TK2mN). The frequencies of spontaneous *TK* gene loss (Treatment = none) or *TK* gene loss after treatment with HU or MNU were compared in cells with (EL<sup>-/-</sup>) and without prior selection for LOH (EL<sup>+/-</sup>) at the entrapment locus, and the differences were expressed as the indicated ratios.