

Supplemental

<b>Table 1. DNA-PKcs kinase inhibition leads to an increase in telomere fusions only in the presence of Ligase IV</b>				
<b>Cell Line (MEFs)</b>	<b>NU7026 Concentration</b>	<b>Cells Scored</b>	<b>Telomere Fusions</b>	<b>Telomere Fusions per cell</b>
p53 <sup>-/-</sup>	0 $\mu$ M	10	0	0.0
	55 $\mu$ M	10	16	1.6
p53 <sup>-/-</sup> , LigIV <sup>-/-</sup>	0 $\mu$ M	10	0	0.0
	55 $\mu$ M	10	2	0.2