

**S2 Table.** Effect of XRP44X treatment on pathology grade in the TRAMP prostate cancer mouse model. TRAMP mice were treated for 6 days per week with XRP44X (1 mg/kg) from 15 to 29 weeks of age. Prostates were harvested, sectioned and stained with haematoxylin and eosin. Prostate adenocarcinoma grade was determined as described in Kaplan-Lefko et al. [118] on one prostate tissue slide per mouse that had a representative amount of dorsolateral prostate. (NSA – no significant anomalies, PIN - prostatic intraepithelial neoplasia, WD – well differentiated adenocarcinoma, MD – medium differentiated adenocarcinoma, PD – poorly differentiated adenocarcinoma. P=0.008 between TRAMP groups, Fisher’s exact test).

	WT		TRAMP	
	Vehicle	XRP44X	Vehicle	XRP44X
NSA	0	1	0	0
PIN	7	5	0	0
WD	0	0	12	20
MD	0	0	0	0
PD	0	0	9	1
<b>TOTAL</b>	<b>7</b>	<b>6</b>	<b>21</b>	<b>21</b>
<i>Metastases</i>	<i>0</i>	<i>0</i>	<i>5</i>	<i>1</i>