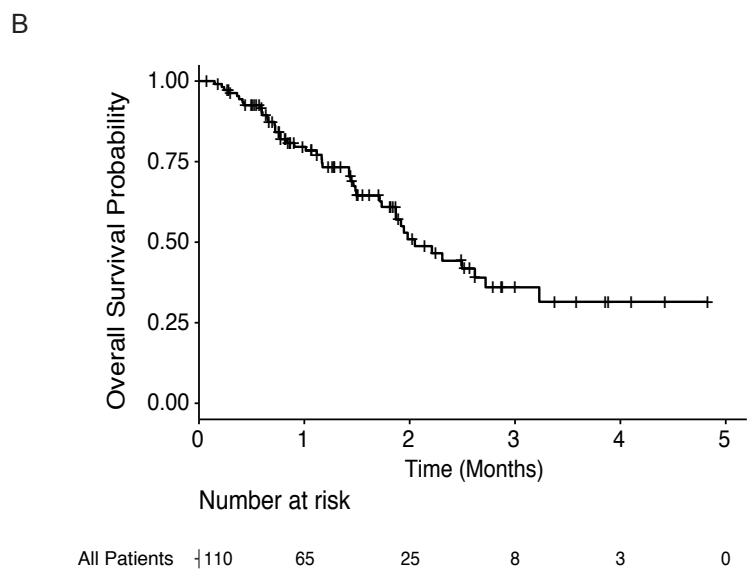
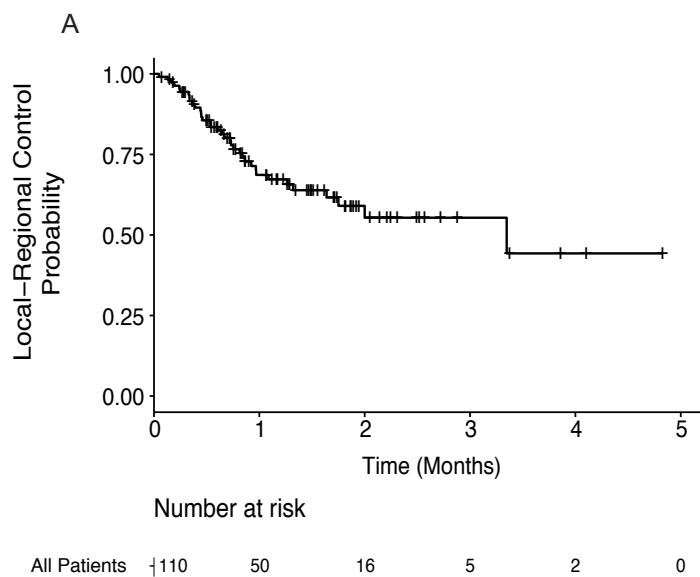


Supplemental Table 1. 38 DDR genes from MSK-IMPACT. 34 genes were previously described in the MSK-IMPACT-346 panel and additional 4 genes (in bold) were added from the latest MSK-IMPACT-468 panel.

<b>MMR</b>	<b>NER</b>	<b>HR</b>	<b>FA</b>	<b>Checkpoint</b>	<b>Others</b>
MLH1	ERCC2	BRCA1	BRCA2	ATM	POLE
MSH2	ERCC3	MRE11A	BRIP1	ATR	MUTYH
<b>MSH3</b>	ERCC4	NBN	FANCA	CHEK1	PARP1
MSH6	ERCC5	<b>RAD21</b>	FANCC	CHEK2	<b>RECQL</b>
PMS1		RAD50	PALB2	MDC1	RECQL4
PMS2		RAD51	RAD51C		
		RAD51B	BLM		
		RAD51D	<b>XRCC2</b>		
		RAD52			
		RAD54L			

Supplemental Figure 1



Supplemental Figure 2

