Figure S2A

**ATM Per-Base Coverage**

Mean Coverage vs Base Position

**CHEK2 Per-Base Coverage**

Mean Coverage vs Base Position

**PALB2 Per-Base Coverage**

Mean Coverage vs Base Position

**XRCC2 Per-Base Coverage**

Mean Coverage vs Base Position
Figure S2B

Target Callability

Mean Per-Sample Coverage

Percent of Target Covered by >20 Reads

Mean Coverage

ATM  CHEK2  PALB2  XRCC2

0.80  0.85  0.90  0.95  1.00

0  200  400  600  800  1000  1200

0  200  400  600  800  1000