

**Table S1.** Genes included in the germ-line testing of the study.

<b>Genes included in the germ-line testing</b>
<i>APC</i>
<i>ATM</i>
<i>BRCA1</i>
<i>BRCA 2</i>
<i>BAP1</i>
<i>CDK4</i>
<i>CDKN2A</i>
<i>CHEK2</i>
<i>EPCAM</i>
<i>MITF</i>
<i>MLH1</i>
<i>MSH2</i>
<i>MSH6</i>
<i>PALB2</i>
<i>PMS2</i>
<i>SMAD4</i>
<i>STK11</i>
<i>FANCM</i>
<i>TP53</i>