

**Table S1. Sequencing coverages in 27 cancer-predisposing genes**

Gene	Targeted region (base pair)	<sup>a</sup> Coverage (%)
<i>APC</i>	8,592	99.93
<i>ATM</i>	9,419	99.54
<i>BARD1</i>	2,378	99.94
<i>BMPR1A</i>	1,643	99.94
<i>BRCA1</i>	5,750	99.96
<i>BRCA2</i>	10,361	99.60
<i>BRIP1</i>	3,826	99.95
<i>CDH1</i>	2,713	99.95
<i>CDK4</i>	940	99.96
<i>CDKN2A</i>	731	99.94
<i>CHEK2</i>	1,821	99.57
<i>EPCAM</i>	981	99.58
<i>HOXB13</i>	863	99.92
<i>MLH1</i>	2,347	99.95
<i>MSH2</i>	2,869	99.54
<i>MSH6</i>	4,123	99.88
<i>MUTYH</i>	1,705	99.93
<i>NBN</i>	2,329	99.45
<i>NF1</i>	8,813	99.75
<i>PALB2</i>	3,613	99.97
<i>PMS2</i>	1,024	99.96
<i>PTEN</i>	1,248	99.92
<i>RAD51C</i>	1,171	99.96
<i>RAD51D</i>	1,210	99.94
<i>SMAD4</i>	1,703	99.91
<i>STK11</i>	1,338	99.99
<i>TP53</i>	1,311	99.97

<sup>a</sup>Percentages of the targeted region covered with 20 or more sequencing reads among all subjects are shown.