

Supplementary Table S1. 30 Genes Panel covering most of the relevant genes for mutations that could increase risk for Breast, Ovarian, Uterine, Colorectal, Melanoma, Pancreatic, Stomach, Prostate

<b>30 Genes Panel</b>					
BRCA1	BRCA2	MLH1	MSH2	MSH6	PMS2***
EPCAM**	APC	MUTYH	MITF**	BAP1	CDKN2A
CDK4**	TP53	PTEN	STK11	CDH1	BMPR1A
SMAD4	GREM1**	POLD1**	POLE**	PALB2	CHEK2
ATM	NBN	BARD1	BRIP1	RAD51C	RAD51D

\*\* Only positions known to impact cancer risk analyzed: CDK4: only chr12:g.58145429-58145431 (codon 24) analyzed, EPCAM: only large deletions and duplications including 3' end of the gene analyzed, GREM1: only duplications in the upstream regulatory region analyzed, MITF: only chr3:g.70014091 (including c.952G>A) analyzed, POLD1: only chr19:g.50909713 (including c.1433G>A) analyzed, POLE: only chr12:g.133250250 (including c.1270C>G) analyzed.

\*\*\* PMS2: Exons 12-15 not analyzed.