



The following applies to PANCP / Hereditary Pancreatic Cancer Panel. Testing is performed to evaluate for the presence of variants in coding regions and extending to +/- 10 base pairs of adjacent intronic sequence on either side of the coding exons of the genes analyzed. In addition, the analysis will cover select noncoding variants. Next-generation sequencing, multiplex ligation-dependent probe amplification and/or a polymerase chain reaction-based quantitative method is performed to test for the presence of copy number variants (CNV) in the genes analyzed. Polymerase chain reaction and gel electrophoresis is performed to test for the presence of the 10 megabase (Mb) inversion of coding exons 1–7 of the MSH2 gene. Confirmation of select reportable variants may be performed by alternate methodologies based on internal laboratory criteria.

This list is current from November 2021 to the present. This document is intended to highlight additional evaluations for variants of high clinical interest as well as technical limitations. However, this document does not comprehensively reflect all genomic regions covered by this test. For questions regarding transcripts, or genes or regions covered, contact the laboratory at 800-533-1710.

Genomic Build: GRCh37 (hg19) unless otherwise specified

Gene	Reference Transcript	Additional Evaluations	Technical Limitations
<i>ATM</i>	NM_000051.3	-	-
<i>BRCA1</i>	NM_007294.4	+/- 20 base pairs of adjacent intronic sequence on either side of the coding exons	-
<i>BRCA2</i>	NM_000059.3	+/- 20 base pairs of adjacent intronic sequence on either side of the coding exons	-
<i>CDKN2A</i>	NM_000077.4	-	-
<i>EPCAM</i>	NM_002354.3	-	Analysis for sequence variants will not be performed
<i>MLH1</i>	NM_000249.3	c.-27C>A (rs587779001) c.454-13A>G (rs267607749) c.1990-16_1990-2del (rs267607881)	-
<i>MSH2</i>	NM_000251.3	10 Mb inversion of exons 1–7	-
<i>MSH6</i>	NM_000179.2	-	-
<i>PALB2</i>	NM_024675.4	-	-
<i>PMS2</i>	NM_000535.7	-	-
<i>STK11</i>	NM_000455.5	-	-
<i>TP53</i>	NM_000546.5	-	-

Effective Date	Version	Synopsis of Change
June 2023	V2	Updated format (additional columns: Additional Evaluations and Technical Limitations)