Devyser LynchFAP

Targeted NGS solution for hereditary colon cancer syndromes with confident localization of all *PMS2* variants

Devyser LynchFAP is a targeted next-generation sequencing (NGS) assay for the analysis of genes associated with hereditary colon cancer syndromes.

Devyser LynchFAP enables analysis of sequence variants (SNVs, CNVs, and indels) in 10 selected genes implicated in Lynch syndrome, Familial Adenomatous Polyposis (FAP), and *MUTYH*-Associated Polyposis (MAP) in genomic DNA isolated from blood.

Long-range PCR is incorporated into the simplified workflow to accurately localize variants in all *PMS2* exons, including challenging regions homologous to the *PMS2CL* pseudogene.

Devyser LynchFAP, together with its dedicated software, enables fast and intuitive results, including the evaluation of *PMS2* gene conversion with *PMS2CL*.

Targeted approach

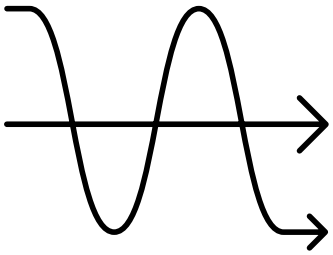
Sequencing of SNVs, CNVs, and indels in 10 genes related to the most common colorectal hereditary cancers.

PMS2-specific solution

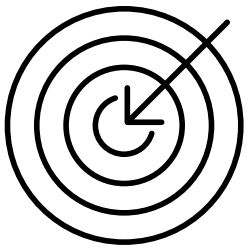
One-stop solution including a long-range PCR to confidently distinguish *PMS2* variants from its pseudogene *PMS2CL* in all exons.

Unravel complex genetics

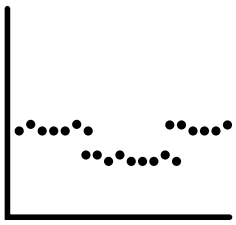
Evaluate *PMS2*-specific variants and gene conversion rates with the aid of a dedicated software.



Simplified workflow



***PMS2*-specific solution**



Dedicated software

Research Use Only. Not for use in diagnostic procedures.

Dvysr®

Devyser – a new level of certainty

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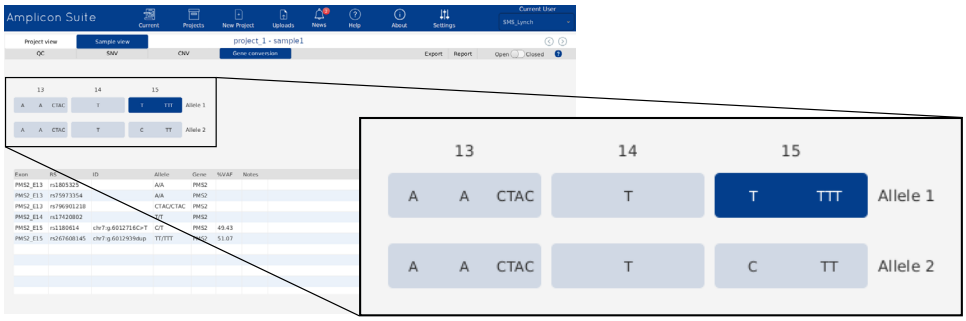
www.devyser.com

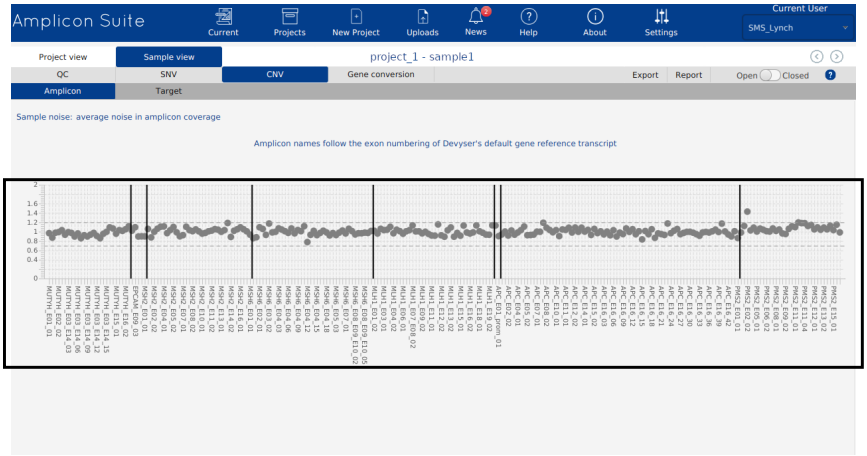
- Targeted NGS solution for **germline** testing of genes associated with hereditary colon cancer syndromes.
- **First commercial kit to include a LR-PCR** to confidently localize variants in all *PMS2* exons.
- **Broadly accessible** – Available as a kit for Illumina instruments.
- **Simple workflow** for laboratory efficiency.
- Analysis of **10 genes** related to Lynch syndrome, Familial Adenomatous Polyposis (FAP), and *MUTYH*-Associated Polyposis (MAP).

Genes	Associated disease
MLH1, MSH2, MSH6, PMS2, EPCAM	Lynch syndrome
APC	FAP
MUTYH	MAP
POLE, POLD1	Colon cancer
CTNNB1	Endometrial cancer

Amplicon Suite – Our dedicated software with a *PMS2* gene conversion functionality



Graphical representation of *PMS2* exons involved in gene conversion with *PMS2CL*.



Inter- and intra-sample normalization algorithm for robust CNV calling.

Uniform amplicon coverage.

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Article numbers

- Devyser LynchFAP 8 tests (8-A404-8)

Accessories

- Devyser Library Clean (8-A204)

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