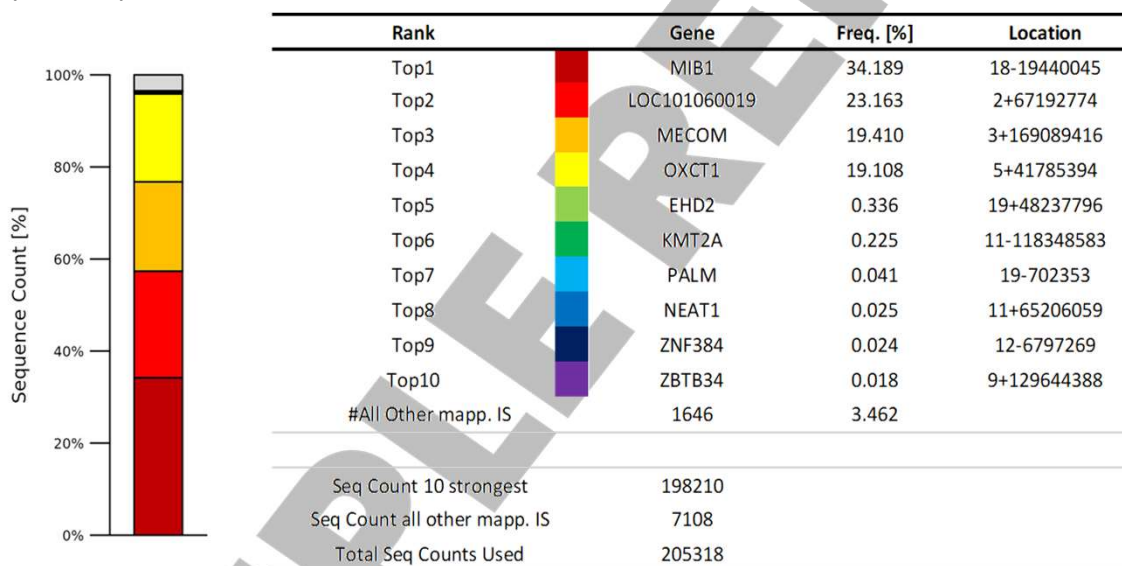


Patient Name	PTLastName, PTFirst	Treatment Date	01-Oct-2023	ProtaGene ID	SampleID
MRN	10000000003	Collection Date	23-Apr-2024	Visit #	6-month
DOB	05-Jan-2020	Received Date	24-Apr-2024	Treatment	LYFGENIA™
Gender	M	Analysis Date	01-May-2024	Facility Sample ID	88-888-88892
Diagnosis	CALD	Approval Date	02-May-2024	Facility Name	QTC Name
Referring Physician	First Last, MD	Sample Type	Blood		

## INTEGRATION SITE (IS) ANALYSIS SUMMARY REPORT

**Test Summary:** IS analysis as routine safety evaluation to monitor for potential oncogenesis determined IS locations in DNA of the provided sample and their relative abundance as clonality measurement by S-EPTS/LM-PCR, next-generation sequencing, and bioinformatical analysis.

**Result:** IS profile is presented as relative contributions of the ten most abundant IS.



**Caption:** Gene name corresponds to RefSeq identification of genes located next to (or at) the IS. Location contains the chromosome number, sequence orientation (plus or minus strand), and locus of the IS (based on human reference genome hg19).

**Comments:** While increasing IS contribution may be associated with an increased risk of a malignancy, it will not *a priori* result in a malignancy. Therefore, regular IS testing and timely trigger of enhanced monitoring is essential mitigation measure.

Note that sequencing reads mapping to multiple locations in the reference genome have been removed from analysis. Frequency of the high contributing IS were not substantially changed. IS test results should not be the sole basis for patient management. Results should be interpreted in consultation with a qualified licensed health care practitioner.

**Approval:** Result was reviewed and approved by the Laboratory Director, Pertti Toivola, PhD.

**Disclaimer:** Integration Site Analysis (ISA) test has not been reviewed, approved, or cleared by the FDA, nor is such approval required. Test results are for clinical purposes and should not be considered investigational or for research. The characteristics of the ISA test have been determined and verified by ProtaGene, a CLIA registered laboratory approved to perform high complexity tests.