GENE PANEL | EXOME | GENOME

SEQUENCER

PRODUCTS	BIOINFORMATICS PIPELINE	FUNCTION
DNASEQ (Sentieon) TNSEQ (Sentieon) VS-CNV	FASTQ BAM VCF	▸ Single nucleotide variation ▸ Copy number variation & loss of heterozygosity ▸ Chromosomal aberration
Annotations	Annotated VCF	▸ Public & commercial annotations to enrich genomic data sets
VarSeq VSReports VSPipeline	Clinical Report	▸ Annotate & filter ▸ Visually inspect alignments ▸ Variant prioritization ▸ Clinical assessment
VSClinical	Automated ACMG & AMP Guidelines	▸ Clinical variant interpretation in concordance with ACMG Guidelines & AMP Guidelines
VSWarehouse	Data Warehousing Web-Enabled Interface + Powerful API: RESTful, JSON, TSV, CSV, Direct SQL	▸ Clinical assessment catalog ▸ Advanced data querying ▸ Versioning ▸ Interoperability ▸ Compliance with HIPPA, CLIA & CAP data discovery