

Patient Pharmacogenomic & Genetic Findings Summary

Patient ID 8f0e2c40 (anonymized – set name + DOB at print time)
Date of analysis 2026-04-30
Date of report 2026-05-02
Pipeline versions Codex 2026.04 · Aldy 4.8.3 · PharmCAT 3.0.1 · AnnotSV 3.4 · T1K 1.0.6 · PGS Catalog 2026-Q1
Source data WGS, 30× mean coverage, GRCh38 · CLIA #99D2024681 — Variantyx Inc.

1. PHARMACOGENOMICS — ACTIONABLE PHENOTYPES

GENE	DIPLTYPE	PHENOTYPE	AFFECTED DRUGS	CPIC	RECOMMENDATION
CYP2D6	*41/*41	Intermediate Metabolizer	codeine, tramadol, metoprolol	A	See CPIC guidance per drug; consider alternatives for codeine/tramadol. cpicpgx.org
CYP2C19	*2/*38	Intermediate Metabolizer	clopidogrel, voriconazole, citalopram	A	Consider prasugrel or ticagrelor over clopidogrel; reduce SSRI starting dose per CPIC. cpicpgx.org
ABCG2	rs2231142 T/T	Poor Function	rosuvastatin	A	Consider 50% dose reduction or alternative statin per CPIC. cpicpgx.org
SLC01B1	*1/*5	Decreased Function	simvastatin, atorvastatin	A	Consider lower simvastatin dose or alternative statin per CPIC. cpicpgx.org

2. CARRIER STATUS (HETEROZYGOUS P / LP VARIANTS)

CONDITION	INHERITANCE	GENE	VARIANT	ACMG CLASS	SOURCE
Nonsyndromic hearing loss (DFNB1)	Autosomal Recessive	GJB2	c.35de1G (p.Gly12fs)	Pathogenic	ClinVar 17004

Carrier status indicates a single recessive variant. Reproductively relevant only if the partner carries a P / LP variant in the same gene. Recommend genetic counseling for family planning.

3. PATHOGENIC / LIKELY-PATHOGENIC VARIANTS BEYOND CARRIER STATUS

No pathogenic or likely-pathogenic variants beyond carrier status detected on this run.

4. HLA FINDINGS — DRUG-ALLERGY & SURGICAL RELEVANCE

ALLELE	STATUS	IMPLICATION	CPIC
HLA-B*57:01	Negative (-)	No abacavir hypersensitivity risk by HLA-B*57:01.	A
HLA-B*15:02	Negative (-)	No carbamazepine SJS/TEN risk by HLA-B*15:02.	A
HLA-B*58:01	Negative (-)	No allopurinol SJS/TEN risk by HLA-B*58:01.	A

Full 4-digit HLA typing performed via T1K 1.0.6 on WGS BAM. Loci typed: HLA-A *02:01/*03:01, HLA-B *07:02/*44:02, HLA-DRB1 *15:01/*03:01.

5. IMPORTANT DISCLAIMERS

This report is informational and decision-support only. It is not a diagnostic medical device and is not intended to diagnose, treat, cure, or prevent any disease. The prescribing clinician retains sole responsibility for any medical or pharmacologic decision. Clinical action on any finding here — including changes to medication, dose, or treatment plan — should be confirmed by an orthogonal CLIA-certified test where appropriate. Genetic information disclosure is governed by GINA, which protects against use by health insurance and employers but does not extend to life, disability, or long-term care insurance.

References: cpicpgx.org · ncbi.nlm.nih.gov/clinvar · pgscatalog.org · clinicalgenome.org

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