

R457T — WFS1 Molecular Atlas Card

Variant type: Missense

Substitution: Arginine (R) → Threonine (T) at position 457

Domain context: Cytoplasmic loop 3

ALPHAMISSENSE

- **Pathogenicity score:** 0.2898
- **Class:** likely benign

ALPHAFOLD CONFIDENCE

- **pLDDT at residue 457:** 88.25

> **DynaMut2 $\Delta\Delta G$:** not yet computed for this variant — AlphaMissense + AlphaFold

> confidence shown above. Stability $\Delta\Delta G$ and the wild-type/mutant structural

> comparison backfill behind this note.

CLINICAL EVIDENCE

- **Classification:** Uncertain significance
 - **Review status:** criteria provided, single submitter
 - **cDNA change:** c.1370G>C
 - **ClinVar accession:** VCV002122964
 - **Last evaluated:** 2022/11/21 00:00
 - **Submissions:** 1
-

Card generated by `wolfram-atlas-batch` (missense AlphaMissense mint) on 2026-06-08T02:27:33.547490Z.

AlphaMissense (Cheng et al. 2023) · AlphaFold model v6 · UniProt O76024.