

# G562R — WFS1 Molecular Atlas Card

**Variation type:** Missense

**Substitution:** Glycine (G) → Arginine (R) at position 562

**Domain context:** Luminal loop 4

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## ALPHAMISSENSE

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- **Pathogenicity score:** 0.9909
- **Class:** likely pathogenic

## ALPHAFOLD CONFIDENCE

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- **pLDDT at residue 562:** 82.56

> **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.

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## CLINICAL EVIDENCE

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- **Classification:** Likely pathogenic/Likely risk allele
  - **Review status:** criteria provided, multiple submitters, no conflicts
  - **Associated conditions:** Wolfram syndrome 1
  - **cDNA change:** c.1684G>C
  - **ClinVar accession:** VCV000215392
  - **Last evaluated:** 2016/09/28 00:00
  - **Submissions:** 1
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Card generated by `wolfram-atlas-batch` (missense AlphaMissense mint) on 2026-06-08T02:27:33.624496Z.

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