

S334= — WFS1 Molecular Atlas Card

Variation type: Synonymous (silent)

Codon: position 334 (Serine, S) — amino acid unchanged

Domain context: Cytoplasmic loop 1

SCHEMA CATEGORY: SILENT — SILENT — NO AMINO-ACID CHANGE

No amino-acid change (S334 is unchanged): the codon is altered but the protein sequence is identical to wild-type. No structural, stability or AlphaMissense effect applies. Synonymous variants are typically benign unless they affect splicing or regulatory elements; this one is not adjacent to an exon boundary.

CLINICAL EVIDENCE

- **Classification:** Uncertain significance
- **Review status:** criteria provided, single submitter
- **Associated conditions:** Autosomal dominant nonsyndromic hearing loss 6; Cataract 41; Wolfram syndrome 1; Wolfram-like syndrome; Type 2 diabetes mellitus
- **cDNA change:** c.1002C>T
- **ClinVar accession:** VCV003590677
- **Last evaluated:** 2024/05/27 00:00
- **Submissions:** 1

Card generated by *wolfram-atlas-batch* (synonymous pipeline) on 2026-06-08T02:52:25.504729Z.

WFS1: UniProt O76024, AlphaFold v6. Synonymous variants carry no protein-structural effect.