

*GeneReviews* Title: Mitochondrial Neurogastrointestinal Encephalopathy Disease Table 2

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Note: The following information is provided by the author listed above and has not been reviewed by *GeneReviews* staff.

**Table 3. *OFD1* Allelic Variants**

Exon	Variant	Codon	Amino Acid Change	Reference <sup>1</sup>
Exon 6	c.647C>T	Codon 216	Ala>Val	
Exon 7	c.831G>A	Codon 277	Synonymous	
Exon 8	c.966T>C	Codon 322	Synonymous	Hagiwara et al [1991]
Exon 8	c.972T>C	Codon 324	Synonymous	Nishino et al [1999]
Exon 8	c.1069A>G	Codon 357	Ala>Thr	Nishino et al [1999]
Exon 9	c.1284T>A	Codon 428	Synonymous	Kocaeefe et al [2003]
Exon 10	c.1393G>A	Codon 465	Ala>Thr	
Exon 10	c.1401C>T	Codon 467	Synonymous	
Exon 10	c.1412C>T	Codon 471	Ser>Leu	Hagiwara et al [1991]
Exon 10	c.1432C>T	Codon 478	Synonymous	

1. Polymorphisms in exons are from the Single Nucleotide Polymorphism database, NCBI, geneID: 1890 except those designated with references.

## References

Hagiwara K, Stenman G, Honda H, Sahlin P, Andersson A, Miyazono K, Heldin CH, Ishikawa F, Takaku F. Organization and chromosomal localization of the human platelet-derived endothelial cell growth factor gene. *Mol Cell Biol* 1991;11:2125-32.

Kocaeefe YC, Erdem S, Ozguc M, Tan E. Four novel thymidine phosphorylase gene mutations in mitochondrial neurogastrointestinal encephalomyopathy syndrome (MNGIE) patients. *Eur J Hum Genet* 2003;11:102-4.

Nishino I, Spinazzola A, Hirano M. Thymidine phosphorylase gene mutations in MNGIE, a human mitochondrial disorder. *Science* 1999;283:689-92.