

Variant: *NM\_000277.2(PAH):c.963C>T (p.Leu321=)*

Version: 1.0

[CA229873](#)

[102911 \(ClinVar\)](#)

**Gene:** PAH ([HGNC:5053](#))

**Condition:** phenylketonuria ([MONDO:0009861](#))

**Inheritance Mode:** Autosomal recessive inheritance

**UUID:** 31e57f08-7be8-46c7-902d-8429b753f57c

**Approved on:** 2018-07-29

**Published on:** 2019-04-06

### *HGVS expressions*

**NM\_000277.2:c.963C>T**

NM\_000277.2(PAH):c.963C>T (p.Leu321=)

NC\_000012.12:g.102846901G>A

CM000674.2:g.102846901G>A

NC\_000012.11:g.103240679G>A

CM000674.1:g.103240679G>A

NC\_000012.10:g.101764809G>A

NG\_008690.1:g.75702C>T

NG\_008690.2:g.116510C>T

NM\_000277.1:c.963C>T

NM\_001354304.1:c.963C>T

NM\_000277.3:c.963C>T

ENST00000307000.7:c.948C>T

ENST00000549247.6:n.722C>T

ENST00000551114.2:n.625C>T

ENST00000553106.5:c.963C>T

ENST00000635477.1:n.74-2470C>T

ENST00000635528.1:n.478C>T

**Benign**

Met criteria codes **4**

**BS2** **BS1** **BS3\_Supporting** **BP7**

Evidence Links **0**

Expert Panel

[Phenylketonuria VCEP](#)

Criteria Specification Information **!**

[Criteria Specifications for this VCEP](#)

Evidence submitted by expert panel

#### ***Phenylketonuria VCEP***

**PAH-specific ACMG/AMP criteria applied: BS1: >0.02% as set by the PAH specific specifications; BP7: ; BS3\_Supporting: cDNA method demonstrates 98% and intinic system demonstrates 81% residual enzyme activity; BS2: 38 homozygotes in gnomAD. In summary this variant meets criteria to be classified as benign for phenylketonuria in an autosomal recessive manner based on the ACMG/AMP criteria applied as specified by the PAH Expert Panel: (BS1, BP7, BS3\_Supporting, BS2).**

### Met criteria codes

<b>BS2</b>	✓	38 homozygotes in gnomAD
<b>BS1</b>	✓	>0.02% as set by the PAH specific specifications
<b>BS3_Supporting</b>	✓	cDNA method demonstrates 98% and intininc system demonstrates 81% residual enzyme activity
<b>BP7</b>	✓	No code specific comments provided, please refer to the summary above or general recommendations provided in the guideline

### Curation History [↗](#)

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