

GENEVOLVE

Genomics Division

LPL - PRODUCTION TEST COLLECTION CENTRE
 SECTOR - 18, BLOCK-E ROHINI DELHI 110085

Name	DUMMY					Collected	1/6/2021 5:31:00AM
						Received	1/6/2021 5:34:01PM
Lab No.	DUMMYN233	Age:	25 Years	Gender:	Male	Reported	4/6/2021 4:52:57PM
A/c Status	P	Ref By:	DR. DUMMY DUMMY			Report Status	Final

TEST CONDUCTED	NAFLD - PNPLA3 & TM6SF2 GENOTYPING (Real time PCR)	
RESULTS		
NAFLD - PNPLA3	TM6SF2 GENOTYPING	
Homozygous variant Detected	Homozygous variant Detected	

INTERPRETATION

RESULT	REMARKS	CONCLUSION
HOMOZYGOUS VARIANT DETECTED	Two copies of the mutant allele detected	May come under high risk group
HETEROZYGOUS VARIANT DETECTED	One copy of mutant and one copy of wild type allele detected	May come under high risk group
NO VARIAN DETECTED	Two copies of the wild type allele detected	Normal individual

NOTE

- Results must be interpreted in context with clinical findings, family history and other relevant laboratory data. Rare polymorphisms exist that could lead to false-negative or false-positive results. If results obtained do not match the clinical findings, additional testing should be considered.
- Genetic Counselling is recommended.
- This is an in-house developed assay. The characteristics of this assay has been validated using standard guidelines by local and International accreditation agencies.
- Test conducted on EDTA whole blood.
- This test detects only the mutations mentioned above in the PNPLA3 and TM6 gene.

Bone marrow transplantation from allogenic donor is known to interfere with the test, hence it is recommended to provide complete clinical history of the patient before sending specimen for testing.

COMMENT

Obesity is a strong risk factor for the development of NAFLD, but susceptibility to NAFLD varies markedly between individuals, in part due to genetic polymorphisms.

Genotyping for NAFLD-associated single-nucleotide polymorphisms (SNPs), includes the Patatin-like phospholipase domain-containing 3 (PNPLA3) rs738409 'M variant' (43928847C>G, encoding PNPLA3-I148M), the transmembrane 6 superfamily member 2 (TM6SF2) rs58542926 'K variant' (19268740C>T, encoding TM6SF2-E167K). Results are to be interpreted along with Body mass Index (BMI), Hepatic triglyceride content (HTGC) and obesity.



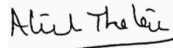


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 DMC-28322

Dr Lopamudra Deka
 DCP; DNB (Pathology)
 Deputy HOD Histopath, Cytopath
 & Chief of Academic Program – NRL



Dr Atul Thatai
 PhD, Biotechnology
 National Head - Molecular Diagnostics
 /R & D
 NRL - Dr Lal PathLabs Ltd

-----End of report-----

IMPORTANT INSTRUCTIONS

*Test results released pertain to the specimen submitted.*All test results are dependent on the quality of the sample received by the Laboratory.
 *Laboratory investigations are only a tool to facilitate in arriving at a diagnosis and should be clinically correlated by the Referring Physician.*Sample repeats are accepted on request of Referring Physician within 7 days post reporting.*Report delivery may be delayed due to unforeseen circumstances. Inconvenience is regretted.*Certain tests may require further testing at additional cost for derivation of exact value. Kindly submit request within 72 hours post reporting.*Test results may show interlaboratory variations.*The Courts/Forum at Delhi shall have exclusive jurisdiction in all disputes/claims concerning the test(s) & or results of test(s).*Test results are not valid for medico legal purposes. *Contact customer care Tel No. +91-11-39885050 for all queries related to test results.
 (#) Sample drawn from outside source.

