

Supplementary Table S5 The 194 probes showing area under the curve (AUC) values larger than 0.95 in receiver operating characteristic curve analysis for discrimination of non-cancerous liver tissue showing non-alcoholic steatohepatitis (NASH-N) samples from non-cancerous liver tissue showing chronic hepatitis of cirrhosis with hepatitis B virus or hepatitis C virus infection (viral-N) samples.

Target ID ^a	Gene symbol ^b	AUC	Cutoff value ^c	<i>P</i> value	Sensitivity ^d	Specificity ^e	DNA methylation status ^f
cg12774921	<i>SPG7</i>	1.000000	0.566673	2.201 x 10 ⁻³⁹	1.000000	1.000000	Viral-N>NASH-N
cg08679807	<i>ACOT7</i>	0.999761	0.756306	8.037x 10 ⁻³²	0.991150	1.000000	Viral-N>NASH-N
cg13560760	<i>PMPCA</i>	0.998804	0.627133	1.635 x 10 ⁻²⁵	0.982301	1.000000	Viral-N>NASH-N
cg01198024	<i>MRAP</i>	0.997608	0.599522	1.473 x 10 ⁻²⁶	0.955752	1.000000	Viral-N>NASH-N
cg08213792	N/A	0.997608	0.639852	1.874 x 10 ⁻²³	0.955752	1.000000	Viral-N>NASH-N
cg20769334	<i>SBF1</i>	0.996412	0.189463	2.373 x 10 ⁻³⁸	0.946903	1.000000	Viral-N<NASH-N
cg02510736	<i>ZCCHC24</i>	0.996139	0.168172	6.807 x 10 ⁻³³	0.991071	0.945946	Viral-N<NASH-N
cg14067770	<i>IRF7</i>	0.995695	0.240277	5.671 x 10 ⁻³⁰	0.964602	0.972973	Viral-N<NASH-N
cg02158565	<i>AGAP3</i>	0.995216	0.827567	2.935 x 10 ⁻³³	0.964602	0.972973	Viral-N>NASH-N
cg07783291	N/A	0.995216	0.650873	8.110 x 10 ⁻²³	0.929204	1.000000	Viral-N>NASH-N
cg26534993	<i>TSSC1</i>	0.994499	0.588189	2.024 x 10 ⁻¹⁸	0.982301	0.972973	Viral-N>NASH-N
cg17499729	<i>CBR3-AS1</i>	0.993781	0.580654	9.703 x 10 ⁻¹⁹	0.955752	0.972973	Viral-N>NASH-N
cg25270498	<i>METRNL</i>	0.993781	0.201876	5.933 x 10 ⁻³⁴	0.929204	1.000000	Viral-N<NASH-N
cg25622855	<i>OBSCN</i>	0.993303	0.628235	1.583 x 10 ⁻²³	0.964602	0.972973	Viral-N>NASH-N
cg13810766	<i>PRKAG2</i>	0.993117	0.632623	6.451 x 10 ⁻⁴³	0.964602	0.972222	Viral-N>NASH-N
cg10555853	N/A	0.992586	0.446822	2.270 x 10 ⁻⁴⁵	0.973451	1.000000	Viral-N<NASH-N
cg26725786	<i>EPHX2</i>	0.992519	0.652630	3.936 x 10 ⁻³⁰	0.955357	1.000000	Viral-N>NASH-N
cg12152193	<i>RNF44</i>	0.991629	0.677041	1.133 x 10 ⁻²⁸	0.955752	0.972973	Viral-N>NASH-N
cg02205746	<i>KCTD5</i>	0.991291	0.119288	5.793 x 10 ⁻²⁷	0.988889	0.918919	Viral-N<NASH-N
cg22876894	N/A	0.990672	0.130920	5.754 x 10 ⁻⁴¹	1.000000	0.972973	Viral-N<NASH-N
cg01073178	<i>TESC</i>	0.990433	0.135205	1.772 x 10 ⁻⁴⁴	0.929204	0.972973	Viral-N<NASH-N
cg03321231	<i>RPH3AL</i>	0.990433	0.756047	4.562 x 10 ⁻²⁸	0.991150	0.972973	Viral-N>NASH-N
cg16362480	<i>ALDOA</i>	0.990433	0.246298	1.743 x 10 ⁻²⁶	0.955752	0.972973	Viral-N<NASH-N
cg05910615	<i>PROSER3</i>	0.990194	0.094104	1.343 x 10 ⁻³⁵	0.955752	0.972973	Viral-N<NASH-N
cg09709592	<i>CEMP1</i>	0.990194	0.747831	7.329 x 10 ⁻²¹	0.938053	1.000000	Viral-N>NASH-N
cg03468541	<i>ZC3H14</i>	0.989955	0.119977	9.931 x 10 ⁻⁴⁰	0.946903	0.972973	Viral-N<NASH-N
cg13417485	<i>UNC45A</i>	0.989715	0.669010	5.212 x 10 ⁻²²	0.920354	1.000000	Viral-N>NASH-N
cg07138452	<i>FLCN</i>	0.989237	0.184276	6.639 x 10 ⁻²⁸	0.938053	0.972973	Viral-N<NASH-N
cg15888301	<i>NEO1</i>	0.989237	0.139828	3.480 x 10 ⁻²⁷	0.964602	0.972973	Viral-N<NASH-N
cg24054272	<i>CLK2</i>	0.988998	0.192112	9.093 x 10 ⁻³³	0.911504	1.000000	Viral-N<NASH-N
cg09352908	N/A	0.988280	0.872793	1.163 x 10 ⁻³²	0.929204	0.972973	Viral-N>NASH-N
cg08117436	N/A	0.988041	0.511459	1.984 x 10 ⁻²³	0.946903	0.972973	Viral-N>NASH-N
cg08499057	<i>ABCF2</i>	0.987802	0.668864	6.242 x 10 ⁻²¹	0.946903	0.972973	Viral-N>NASH-N
cg05998816	<i>PCNT</i>	0.987237	0.852972	2.646 x 10 ⁻²⁹	0.944444	0.945946	Viral-N>NASH-N
cg12833168	N/A	0.986971	0.816690	5.467 x 10 ⁻²⁵	0.991150	0.888889	Viral-N>NASH-N
cg25009327	<i>ZNF425</i>	0.986845	0.451924	4.022 x 10 ⁻²⁸	0.938053	0.972973	Viral-N>NASH-N
cg07467323	<i>PLEKHO2</i>	0.985889	0.120582	1.199 x 10 ⁻²⁶	0.920354	0.972973	Viral-N<NASH-N
cg08282784	<i>C12orf43</i>	0.985889	0.126203	6.207 x 10 ⁻²²	0.991150	0.918919	Viral-N<NASH-N

Target ID ^a	Gene symbol ^b	AUC	Cutoff value ^c	P value	Sensitivity ^d	Specificity ^e	DNA methylation status ^f
cg10328259	<i>TSSCI</i>	0.985889	0.794508	3.251 x 10 ⁻²⁷	0.973451	0.945946	Viral-N>NASH-N
cg19933985	N/A	0.985889	0.853190	7.288 x 10 ⁻⁴⁷	0.982301	0.891892	Viral-N>NASH-N
cg25538450	<i>REXO1</i>	0.985649	0.171292	4.652 x 10 ⁻²⁵	0.938053	1.000000	Viral-N<NASH-N
cg02732134	<i>DNMBP</i>	0.985171	0.763663	4.775 x 10 ⁻⁴³	0.920354	0.972973	Viral-N>NASH-N
cg25824760	<i>ANKRD30B</i>	0.984797	0.254132	1.763 x 10 ⁻²³	0.955357	0.972973	Viral-N<NASH-N
cg04548722	<i>SMIM22</i>	0.983975	0.596889	9.449 x 10 ⁻¹⁷	0.893805	0.972973	Viral-N>NASH-N
cg01779076	<i>CFLAR</i>	0.983258	0.311476	3.250 x 10 ⁻²⁴	0.955752	0.918919	Viral-N<NASH-N
cg03909902	<i>PRDM4</i>	0.983108	0.137305	4.384 x 10 ⁻³⁵	0.955357	0.972973	Viral-N<NASH-N
cg08040148	N/A	0.983018	0.729346	2.195 x 10 ⁻²¹	0.929204	0.972973	Viral-N>NASH-N
cg08081407	<i>ARF4</i>	0.982625	0.179647	1.809 x 10 ⁻²⁹	0.937500	0.972973	Viral-N<NASH-N
cg02772905	N/A	0.982540	0.669629	1.059 x 10 ⁻²¹	0.867257	1.000000	Viral-N>NASH-N
cg06361278	N/A	0.982540	0.194101	6.714 x 10 ⁻²⁶	0.955752	0.918919	Viral-N<NASH-N
cg05041517	<i>Clorf159</i>	0.982384	0.656346	6.402 x 10 ⁻²⁴	0.928571	0.972973	Viral-N>NASH-N
cg22870994	N/A	0.982301	0.550909	1.819 x 10 ⁻²¹	0.955752	0.972973	Viral-N>NASH-N
cg21843114	<i>RBPJ</i>	0.981809	0.507885	1.856 x 10 ⁻¹⁹	0.955752	0.916667	Viral-N>NASH-N
cg09020181	N/A	0.981647	0.135484	2.243 x 10 ⁻²⁹	0.910714	1.000000	Viral-N<NASH-N
cg11381792	<i>TRAPPC10</i>	0.981583	0.149639	1.309 x 10 ⁻³²	0.955752	0.918919	Viral-N<NASH-N
cg20982606	<i>UNG</i>	0.981583	0.112968	8.533 x 10 ⁻³⁶	0.946903	0.972973	Viral-N<NASH-N
cg01573175	<i>ZBTB46</i>	0.981105	0.547973	2.223 x 10 ⁻¹⁹	0.911504	0.945946	Viral-N>NASH-N
cg13021192	<i>CTSZ</i>	0.980627	0.128006	6.621 x 10 ⁻³⁰	0.982301	0.972973	Viral-N<NASH-N
cg12810548	<i>SNORA26</i>	0.980627	0.101149	3.637 x 10 ⁻³⁸	0.911504	0.972973	Viral-N<NASH-N
cg08707819	<i>RCOR1</i>	0.980387	0.365849	7.606 x 10 ⁻²⁰	0.902655	0.972973	Viral-N<NASH-N
cg24122991	N/A	0.980148	0.719824	2.620 x 10 ⁻²¹	0.902655	0.972973	Viral-N>NASH-N
cg06808467	<i>LINC00526</i>	0.979431	0.151636	4.766 x 10 ⁻⁴⁰	0.902655	0.972973	Viral-N<NASH-N
cg14648311	N/A	0.979431	0.804682	2.787 x 10 ⁻²⁷	0.929204	0.972973	Viral-N>NASH-N
cg00658085	N/A	0.979192	0.728478	7.622 x 10 ⁻²³	0.858407	1.000000	Viral-N>NASH-N
cg10614773	<i>EEF1D</i>	0.979192	0.693287	2.426 x 10 ⁻³⁸	0.867257	1.000000	Viral-N>NASH-N
cg16615927	<i>AFG3L2</i>	0.979192	0.139738	2.662 x 10 ⁻²⁵	0.929204	0.972973	Viral-N<NASH-N
cg23108607	<i>KIAA0754</i>	0.979192	0.742292	2.685 x 10 ⁻²⁷	0.938053	0.972973	Viral-N>NASH-N
cg01959412	<i>MSX1</i>	0.978952	0.130663	2.759 x 10 ⁻²³	0.920354	0.918919	Viral-N<NASH-N
cg10757852	<i>RASA2</i>	0.978952	0.616371	1.028 x 10 ⁻¹⁵	0.964602	0.918919	Viral-N>NASH-N
cg11213199	<i>MRPS24</i>	0.978952	0.411302	4.411 x 10 ⁻²⁰	0.929204	0.945946	Viral-N<NASH-N
cg08524474	<i>ARHGAP22</i>	0.978474	0.255539	1.783 x 10 ⁻²⁰	0.893805	1.000000	Viral-N<NASH-N
cg03150409	<i>WHSC1</i>	0.977558	0.787078	1.575 x 10 ⁻⁴⁵	0.955357	0.972973	Viral-N>NASH-N
cg12333707	<i>DUSP1</i>	0.977517	0.422802	2.569 x 10 ⁻²⁴	0.920354	0.972973	Viral-N<NASH-N
cg23472171	<i>POM121C</i>	0.977075	0.786594	5.652 x 10 ⁻²²	0.875000	0.972973	Viral-N>NASH-N
cg04176488	<i>SNAI3-ASI</i>	0.976321	0.684281	1.387 x 10 ⁻¹⁹	0.955752	0.945946	Viral-N>NASH-N
cg09202050	<i>VPS51</i>	0.976321	0.367675	1.308 x 10 ⁻²¹	0.902655	0.945946	Viral-N<NASH-N
cg13598426	N/A	0.976082	0.735804	5.820 x 10 ⁻²⁷	0.867257	1.000000	Viral-N>NASH-N
cg10632328	<i>LOC100294362</i>	0.975843	0.137928	1.977 x 10 ⁻²⁶	0.955752	0.918919	Viral-N<NASH-N
cg04035064	<i>PRKCE</i>	0.975365	0.752814	6.601 x 10 ⁻³¹	0.938053	0.945946	Viral-N>NASH-N
cg06797543	N/A	0.975365	0.618779	3.577 x 10 ⁻¹⁵	0.964602	0.891892	Viral-N>NASH-N
cg14901205	<i>MIR129-2</i>	0.975365	0.228502	7.857 x 10 ⁻²⁸	0.929204	0.945946	Viral-N<NASH-N

Target ID ^a	Gene symbol ^b	AUC	Cutoff value ^c	P value	Sensitivity ^d	Specificity ^e	DNA methylation status ^f
cg14910854	<i>LOC150776</i>	0.975365	0.718220	1.237 x 10 ⁻²⁰	0.946903	0.891892	Viral-N>NASH-N
cg10616859	<i>BRATI</i>	0.974886	0.711621	5.977 x 10 ⁻¹⁹	0.902655	0.945946	Viral-N>NASH-N
cg24240077	<i>AAMDC</i>	0.974647	0.745371	1.987 x 10 ⁻¹⁸	0.982301	0.972973	Viral-N>NASH-N
cg00470768	<i>INO80</i>	0.974408	0.624415	8.310 x 10 ⁻²³	0.955752	0.891892	Viral-N>NASH-N
cg25629442	<i>ENGASE</i>	0.974169	0.207714	3.124 x 10 ⁻²²	0.858407	1.000000	Viral-N<NASH-N
cg06708122	<i>SGTB</i>	0.973691	0.683682	2.120 x 10 ⁻¹⁸	0.955752	0.891892	Viral-N>NASH-N
cg11158902	<i>PPP2R2C</i>	0.973691	0.894586	9.358 x 10 ⁻³⁷	0.902655	0.972973	Viral-N>NASH-N
cg13003239	<i>WDR6</i>	0.973451	0.229517	7.676 x 10 ⁻³⁰	0.973451	0.891892	Viral-N<NASH-N
cg17404403	<i>GARI</i>	0.973451	0.120754	1.238 x 10 ⁻²⁷	0.876106	0.972973	Viral-N<NASH-N
cg05788437	<i>FYTTD1</i>	0.973219	0.072007	1.747 x 10 ⁻³⁷	0.936364	0.945946	Viral-N<NASH-N
cg23954724	<i>RPS6KA2</i>	0.972973	0.657832	2.927 x 10 ⁻¹⁶	1.000000	0.972973	Viral-N>NASH-N
cg15285494	N/A	0.972734	0.807320	3.093 x 10 ⁻³⁷	0.902655	0.972973	Viral-N>NASH-N
cg23673344	<i>KRT76</i>	0.972734	0.698433	2.331 x 10 ⁻¹⁷	0.982301	0.972973	Viral-N>NASH-N
cg00854591	N/A	0.972495	0.740573	3.258 x 10 ⁻¹²	0.982301	0.972973	Viral-N>NASH-N
cg27435660	<i>FBXO18</i>	0.972495	0.751658	2.454 x 10 ⁻²¹	0.938053	0.918919	Viral-N>NASH-N
cg11036936	<i>RAD51B</i>	0.972255	0.659166	6.038 x 10 ⁻²¹	0.938053	0.918919	Viral-N>NASH-N
cg07738077	<i>ZNF28</i>	0.972016	0.624953	1.099 x 10 ⁻¹⁶	0.973451	0.972973	Viral-N>NASH-N
cg18185028	<i>DHX36</i>	0.972016	0.274648	8.313 x 10 ⁻²²	0.955752	0.891892	Viral-N<NASH-N
cg06437144	<i>SP2</i>	0.971777	0.142853	1.374 x 10 ⁻²²	0.964602	0.864865	Viral-N<NASH-N
cg07650712	N/A	0.971777	0.693636	4.648 x 10 ⁻¹⁴	0.982301	0.972973	Viral-N>NASH-N
cg09741240	<i>NQO2</i>	0.971777	0.154482	2.768 x 10 ⁻²⁶	0.858407	0.972973	Viral-N<NASH-N
cg22196977	<i>IWS1</i>	0.971060	0.736619	6.808 x 10 ⁻¹⁹	0.876106	0.945946	Viral-N>NASH-N
cg08579753	N/A	0.970820	0.563476	4.384 x 10 ⁻¹⁶	0.964602	0.972973	Viral-N>NASH-N
cg19105961	<i>ZZEF1</i>	0.970581	0.335678	5.314 x 10 ⁻²¹	0.911504	0.972973	Viral-N<NASH-N
cg06869039	<i>KIAA1456</i>	0.970103	0.798551	8.100 x 10 ⁻¹⁴	0.991150	0.945946	Viral-N>NASH-N
cg07028249	N/A	0.970103	0.657992	3.030 x 10 ⁻¹⁴	0.982301	0.945946	Viral-N>NASH-N
cg06971903	<i>RASGRP3</i>	0.969864	0.643731	1.777 x 10 ⁻¹⁸	0.867257	0.972973	Viral-N>NASH-N
cg15470736	<i>UBE3C</i>	0.969808	0.812652	1.919 x 10 ⁻¹⁹	0.837838	1.000000	Viral-N>NASH-N
cg02643778	N/A	0.968907	0.501416	4.304 x 10 ⁻¹⁸	0.955752	0.972973	Viral-N>NASH-N
cg07661849	<i>ZNF827</i>	0.968429	0.645446	2.500 x 10 ⁻¹¹	0.982301	0.945946	Viral-N>NASH-N
cg10475689	<i>SNX29</i>	0.968262	0.596230	1.437 x 10 ⁻²⁰	0.853211	0.972973	Viral-N>NASH-N
cg07804735	<i>WDR52</i>	0.967711	0.768296	1.377 x 10 ⁻²⁵	0.840708	0.972973	Viral-N>NASH-N
cg18022036	N/A	0.967711	0.502095	2.740 x 10 ⁻¹⁸	0.955752	0.864865	Viral-N<NASH-N
cg06684987	<i>CLASRP</i>	0.967472	0.673934	6.893 x 10 ⁻¹⁴	0.938053	0.918919	Viral-N>NASH-N
cg13590711	N/A	0.967472	0.672325	6.433 x 10 ⁻¹¹	0.938053	0.972973	Viral-N>NASH-N
cg04971769	<i>ZNF280B</i>	0.966994	0.620504	5.789 x 10 ⁻¹²	0.938053	0.972973	Viral-N>NASH-N
cg04026000	N/A	0.966754	0.729430	9.161 x 10 ⁻¹⁷	0.929204	0.972973	Viral-N>NASH-N
cg27248073	<i>FAM64A</i>	0.966754	0.326743	6.048 x 10 ⁻¹⁶	0.929204	0.945946	Viral-N<NASH-N
cg05367846	<i>MICAL3</i>	0.966754	0.110755	3.493 x 10 ⁻²⁵	0.955752	0.918919	Viral-N<NASH-N
cg13242070	N/A	0.966037	0.186884	1.280 x 10 ⁻²⁰	0.814159	1.000000	Viral-N<NASH-N
cg01400712	<i>EFR3B</i>	0.965798	0.420462	6.325 x 10 ⁻¹⁹	0.884956	0.945946	Viral-N<NASH-N
cg25252777	N/A	0.965798	0.765399	1.642 x 10 ⁻¹¹	0.946903	0.945946	Viral-N>NASH-N
cg04205664	<i>CLEC2L</i>	0.965558	0.646936	6.690 x 10 ⁻²⁸	0.929204	0.972973	Viral-N>NASH-N

Target ID ^a	Gene symbol ^b	AUC	Cutoff value ^c	<i>P</i> value	Sensitivity ^d	Specificity ^e	DNA methylation status ^f
cg14497545	<i>MAML3</i>	0.965558	0.672992	2.085 x 10 ⁻³⁹	0.858407	0.972973	Viral-N>NASH-N
cg07159286	<i>ZNF268</i>	0.965319	0.742421	5.225 x 10 ⁻¹⁶	0.867257	0.972973	Viral-N>NASH-N
cg26330063	<i>FAM105A</i>	0.964841	0.647089	5.552 x 10 ⁻¹²	0.973451	0.945946	Viral-N>NASH-N
cg16500605	<i>BAG6</i>	0.964768	0.202065	6.895 x 10 ⁻¹⁹	0.901786	0.945946	Viral-N<NASH-N
cg01870519	<i>EXOC2</i>	0.964123	0.640624	8.306 x 10 ⁻¹⁶	0.893805	0.972973	Viral-N>NASH-N
cg08109808	<i>CCDC40</i>	0.964044	0.669300	1.742 x 10 ⁻¹⁶	0.866071	0.945946	Viral-N>NASH-N
cg00521048	<i>RCBTB1</i>	0.963884	0.190207	8.383 x 10 ⁻¹⁹	0.964602	0.864865	Viral-N<NASH-N
cg11021810	<i>FOXN3</i>	0.963562	0.705837	1.390 x 10 ⁻¹⁸	0.875000	0.918919	Viral-N>NASH-N
cg14495033	<i>EHMT1</i>	0.963406	0.722018	4.330 x 10 ⁻²⁴	0.946903	0.864865	Viral-N>NASH-N
cg25152348	<i>NCAPH2</i>	0.963320	0.196407	6.995 x 10 ⁻⁴¹	0.866071	0.972973	Viral-N<NASH-N
cg01236961	N/A	0.963167	0.590153	1.190 x 10 ⁻²¹	0.805310	1.000000	Viral-N>NASH-N
cg04988918	N/A	0.963167	0.687707	9.856 x 10 ⁻¹⁹	0.946903	0.918919	Viral-N>NASH-N
cg18565915	<i>NDUFA6-ASI</i>	0.963167	0.844724	5.491 x 10 ⁻²¹	0.991150	0.810811	Viral-N>NASH-N
cg01838971	<i>SLC35C1</i>	0.962688	0.562126	2.176 x 10 ⁻²⁸	0.876106	0.972973	Viral-N>NASH-N
cg08206623	<i>CDKN1C</i>	0.962688	0.129031	8.175 x 10 ⁻³⁹	0.893805	0.945946	Viral-N<NASH-N
cg13896783	<i>PKP4</i>	0.962597	0.328640	2.270 x 10 ⁻¹⁷	0.910714	0.972973	Viral-N<NASH-N
cg15639718	N/A	0.962449	0.657241	1.308 x 10 ⁻²⁰	0.849558	0.972973	Viral-N>NASH-N
cg08571764	N/A	0.962210	0.712173	1.363 x 10 ⁻²⁰	0.902655	0.918919	Viral-N>NASH-N
cg23113715	N/A	0.962114	0.284770	8.986 x 10 ⁻²⁵	0.830357	1.000000	Viral-N<NASH-N
cg01320048	<i>VWA2</i>	0.961873	0.212644	2.301 x 10 ⁻²⁰	0.982143	0.864865	Viral-N<NASH-N
cg19349861	<i>OPCML</i>	0.961732	0.121019	3.101 x 10 ⁻⁴¹	0.840708	1.000000	Viral-N<NASH-N
cg01815906	<i>SMYD3</i>	0.961253	0.725994	4.174 x 10 ⁻¹⁷	0.831858	0.972973	Viral-N>NASH-N
cg12198254	<i>ATG7</i>	0.961253	0.699923	4.780 x 10 ⁻¹⁹	0.823009	0.972973	Viral-N>NASH-N
cg04449562	<i>MYT1L</i>	0.960775	0.727227	1.717 x 10 ⁻¹⁵	0.946903	0.945946	Viral-N>NASH-N
cg19777710	<i>AKR7A2P1</i>	0.960775	0.768424	1.539 x 10 ⁻¹⁹	0.964602	0.864865	Viral-N>NASH-N
cg18905668	<i>GTF2H1</i>	0.960423	0.671475	8.777 x 10 ⁻²³	0.867257	0.916667	Viral-N>NASH-N
cg04876223	N/A	0.960057	0.708089	2.500 x 10 ⁻¹⁴	0.893805	0.972973	Viral-N>NASH-N
cg23084309	<i>MLL1</i>	0.960057	0.230238	2.928 x 10 ⁻¹⁸	0.787611	1.000000	Viral-N<NASH-N
cg27363529	<i>SLC35C1</i>	0.960057	0.592198	6.006 x 10 ⁻²⁷	0.938053	0.891892	Viral-N>NASH-N
cg25364822	<i>FNDC5</i>	0.959818	0.667222	1.369 x 10 ⁻²⁰	0.920354	0.972973	Viral-N>NASH-N
cg14825729	<i>TTC29</i>	0.959459	0.205209	1.221 x 10 ⁻¹⁵	0.919643	0.945946	Viral-N<NASH-N
cg27327370	N/A	0.959101	0.809334	6.378 x 10 ⁻¹²	0.955752	0.918919	Viral-N>NASH-N
cg11855759	<i>USP43</i>	0.958862	0.170829	1.240 x 10 ⁻²¹	0.902655	0.918919	Viral-N<NASH-N
cg14427382	N/A	0.958736	0.708186	1.370 x 10 ⁻¹⁴	0.973214	0.891892	Viral-N>NASH-N
cg20656751	<i>NAT8L</i>	0.958702	0.480530	2.333 x 10 ⁻¹⁴	0.938053	0.972222	Viral-N<NASH-N
cg07336754	<i>OR8S1</i>	0.958622	0.663671	1.127 x 10 ⁻¹⁰	0.938053	0.918919	Viral-N>NASH-N
cg24280607	<i>RTF1</i>	0.958622	0.176114	1.959 x 10 ⁻²¹	0.938053	0.918919	Viral-N<NASH-N
cg26701810	N/A	0.958622	0.704756	5.508 x 10 ⁻¹⁷	0.902655	0.918919	Viral-N>NASH-N
cg05961700	<i>DHRS9</i>	0.958383	0.746375	1.938 x 10 ⁻²⁴	0.893805	0.945946	Viral-N>NASH-N
cg20144008	N/A	0.958383	0.221545	6.677 x 10 ⁻³⁰	0.849558	0.945946	Viral-N<NASH-N
cg15606745	<i>CACNG2</i>	0.957666	0.626076	1.106 x 10 ⁻¹¹	0.920354	0.945946	Viral-N>NASH-N
cg01488306	<i>FI3B</i>	0.957426	0.665279	6.800 x 10 ⁻¹⁴	0.893805	0.945946	Viral-N>NASH-N
cg02280859	<i>NADK</i>	0.957187	0.710030	1.464 x 10 ⁻²⁰	0.814159	1.000000	Viral-N>NASH-N

Target ID ^a	Gene symbol ^b	AUC	Cutoff value ^c	<i>P</i> value	Sensitivity ^d	Specificity ^e	DNA methylation status ^f
cg07893230	<i>CTNNA1</i>	0.957187	0.245863	4.661 x 10 ⁻¹⁸	0.840708	0.972973	Viral-N<NASH-N
cg22290140	<i>PGSI</i>	0.957187	0.594645	3.453 x 10 ⁻¹⁷	0.920354	0.918919	Viral-N>NASH-N
cg20390253	<i>RBFA</i>	0.956231	0.287625	4.459 x 10 ⁻¹⁹	0.911504	0.945946	Viral-N<NASH-N
cg02308712	N/A	0.955752	0.709277	1.201 x 10 ⁻¹⁹	0.902655	0.972973	Viral-N>NASH-N
cg02657641	<i>REGIP</i>	0.955752	0.505961	2.595 x 10 ⁻¹⁴	0.955752	0.918919	Viral-N>NASH-N
cg19145138	N/A	0.955752	0.730868	5.012 x 10 ⁻¹³	0.955752	0.945946	Viral-N>NASH-N
cg09408780	N/A	0.955035	0.691539	3.079 x 10 ⁻¹³	0.955752	0.891892	Viral-N>NASH-N
cg24260710	<i>MIR33A</i>	0.955035	0.778164	3.809 x 10 ⁻³¹	0.858407	1.000000	Viral-N>NASH-N
cg14946950	<i>GAPDHS</i>	0.954317	0.646043	5.550 x 10 ⁻¹³	0.964602	0.891892	Viral-N>NASH-N
cg06821582	<i>TMEM108</i>	0.954078	0.717370	6.405 x 10 ⁻⁸	0.902655	0.918919	Viral-N>NASH-N
cg09141413	<i>GPRC5B</i>	0.953839	0.224843	7.122 x 10 ⁻²²	0.787611	1.000000	Viral-N<NASH-N
cg12951997	N/A	0.953839	0.716985	8.066 x 10 ⁻¹²	0.911504	0.945946	Viral-N>NASH-N
cg17695841	<i>SLC35C1</i>	0.953839	0.668739	5.106 x 10 ⁻²⁴	0.955752	0.864865	Viral-N>NASH-N
cg01287788	<i>SNORD94</i>	0.953185	0.764075	1.292 x 10 ⁻³⁸	0.839286	0.972973	Viral-N>NASH-N
cg09112613	<i>PRAMI</i>	0.953185	0.729235	1.237 x 10 ⁻¹⁹	0.857143	0.918919	Viral-N>NASH-N
cg11048797	N/A	0.953121	0.848255	1.959 x 10 ⁻³⁰	0.849558	1.000000	Viral-N>NASH-N
cg12384499	N/A	0.953121	0.156616	3.813 x 10 ⁻¹⁵	0.929204	0.837838	Viral-N<NASH-N
cg12445378	<i>PRKDC</i>	0.952404	0.600700	7.554 x 10 ⁻¹⁵	0.831858	0.972973	Viral-N>NASH-N
cg03258272	<i>KLRC3</i>	0.952165	0.646391	6.672 x 10 ⁻¹⁰	0.973451	0.864865	Viral-N>NASH-N
cg23062006	<i>LRP4</i>	0.952033	0.164914	6.757 x 10 ⁻²⁰	0.945946	0.864865	Viral-N<NASH-N
cg03768916	<i>ARHGAP22</i>	0.951925	0.259771	1.710 x 10 ⁻²¹	0.920354	0.918919	Viral-N<NASH-N
cg11807153	<i>VTRNA1-2</i>	0.951925	0.558453	1.531 x 10 ⁻¹⁷	0.911504	0.891892	Viral-N>NASH-N
cg21290290	<i>FAM213B</i>	0.951925	0.160228	2.140 x 10 ⁻¹⁹	0.831858	0.945946	Viral-N<NASH-N
cg05950192	N/A	0.951208	0.661490	3.284 x 10 ⁻¹²	0.893805	0.972973	Viral-N>NASH-N
cg25157107	N/A	0.951082	0.148033	1.179 x 10 ⁻¹³	0.938053	0.888889	Viral-N<NASH-N
cg13373996	<i>MT4</i>	0.951059	0.760037	1.393 x 10 ⁻¹³	0.927928	0.918919	Viral-N>NASH-N
cg09113046	N/A	0.950251	0.757781	1.158 x 10 ⁻²⁰	0.902655	0.918919	Viral-N>NASH-N

^aProbe ID of the Infinium HumanMethylation450 BeadChip. ^bNational Center for Biotechnology Information (NCBI) database (Genome Build 37). ^cThe Youden index was used as a cutoff value for discriminating NASH-N samples from viral-N samples for each probe. ^dSensitivity and ^especificity for discrimination of NASH-N samples from Viral-N samples using individual probes. ^fViral-N > NASH-N: the sample is predicted to be NASH-N when its DNA methylation level is lower than the cutoff value; Viral-N < NASH-N: the sample is predicted to be NASH-N when its DNA methylation level is higher than the cutoff value. N/A, not annotated (designed in the intergenic regions).