

TableS1: Demographic and clinical features of study's patients according to their ethnicity

Feature	AA (n=24)	NC (n=17)	NS (n=9)	P-value	FDR
Formate, median [IQR]	0.039 [0.034 0.048]	0.036 [0.029 0.045]	0.036 [0.029 0.046]	5.36e-01	9.02e-01
Phenylalanine, median [IQR]	0.058 [0.049 0.067]	0.054 [0.051 0.057]	0.059 [0.048 0.06]	9.59e-01	9.81e-01
Tyrosine, median [IQR]	0.065 [0.051 0.071]	0.063 [0.057 0.071]	0.059 [0.049 0.061]	2.56e-01	9.02e-01
Unknown signal at 7.14 ppm, median [IQR]	0 [0 0]	0 [0 0]	0 [0 0]	9.23e-01	9.78e-01
Histidine, median [IQR]	0.066 [0.054 0.077]	0.067 [0.048 0.08]	0.072 [0.056 0.081]	7.62e-01	9.65e-01
Glucose, median [IQR]	3.411 [3.016 3.711]	3.887 [3.399 4.214]	3.453 [3.051 4.625]	1.74e-01	9.02e-01
Mannose, median [IQR]	0.05 [0.039 0.059]	0.067 [0.052 0.085]	0.059 [0.046 0.068]	5.16e-02	9.02e-01
Ascorbate, median [IQR]	0.008 [0 0.014]	0.009 [0.007 0.013]	0.009 [0 0.01]	4.83e-01	9.02e-01
Lactate, median [IQR]	2.41 [2.004 3.11]	1.903 [1.862 2.654]	2.37 [1.91 2.728]	2.66e-01	9.02e-01
Creatinine, median [IQR]	0.087 [0.069 0.105]	0.084 [0.061 0.099]	0.085 [0.078 0.131]	6.67e-01	9.29e-01
Creatine, median [IQR]	0.044 [0.017 0.06]	0.029 [0.015 0.047]	0.041 [0.011 0.061]	6.36e-01	9.29e-01
Glycine, median [IQR]	0.305 [0.242 0.356]	0.273 [0.22 0.307]	0.218 [0.206 0.295]	2.83e-01	9.02e-01
Citrate, median [IQR]	0.185 [0.177 0.2]	0.166 [0.137 0.18]	0.192 [0.179 0.213]	5.04e-02	9.02e-01
Glutamine, median [IQR]	0.253 [0.18 0.319]	0.289 [0.243 0.356]	0.252 [0.12 0.301]	6.77e-01	9.29e-01
Pyruvate, median [IQR]	0.064 [0.053 0.074]	0.066 [0.046 0.089]	0.075 [0.048 0.093]	8.04e-01	9.78e-01
Glutamate, median [IQR]	0.257 [0.172 0.304]	0.206 [0.174 0.285]	0.305 [0.227 0.392]	3.43e-01	9.02e-01
Acetoacetate, median [IQR]	0.019 [0.013 0.03]	0.018 [0.013 0.023]	0.021 [0.018 0.031]	5.46e-01	9.02e-01
Acetate, median [IQR]	0.08 [0.065 0.1]	0.063 [0.053 0.092]	0.062 [0.053 0.063]	4.65e-01	9.02e-01
Alanine, median [IQR]	0.476 [0.363 0.601]	0.45 [0.387 0.54]	0.462 [0.425 0.536]	9.27e-01	9.78e-01

Feature	AA (n=24)	NC (n=17)	NS (n=9)	P-value	FDR
3-Hydroxybutyrate, median [IQR]	0 [0 0.011]	0 [0 0]	0.016 [0 0.031]	1.57e-01	9.02e-01
Ethanol, median [IQR]	3.111 [1.163 3.921]	3.044 [1.995 3.66]	0.182 [0.082 3.019]	3.34e-01	9.02e-01
Valine, median [IQR]	0.203 [0.173 0.218]	0.2 [0.165 0.224]	0.202 [0.159 0.224]	9.81e-01	9.81e-01
Isoleucine, median [IQR]	0.064 [0.053 0.072]	0.069 [0.049 0.081]	0.061 [0.056 0.071]	8.97e-01	9.78e-01
Leucine, median [IQR]	0.067 [0.06 0.075]	0.071 [0.052 0.078]	0.062 [0.06 0.067]	7.55e-01	9.65e-01
2-Hydroxybutyrate, median [IQR]	0 [0 0]	0 [0 0]	0 [0 0]	6.84e-01	9.29e-01
Unknown signal at 1.24 ppm, median [IQR]	0.006 [0 0.018]	0 [0 0.014]	0 [0 0]	4.09e-01	9.02e-01
Protein NH, median [IQR]	155.247 [144.766 167.639]	163.282 [143.9 171.356]	165.432 [154.859 182.029]	5.46e-01	9.02e-01
Unsaturated lipid -CH=CH-, median [IQR]	11.479 [9.785 13.97]	12.515 [10.3 14.36]	12.429 [9.818 13.584]	8.69e-01	9.78e-01
Lipid alpha-CH2, median [IQR]	1.551 [0.607 2.139]	1.964 [0.87 2.802]	1.906 [0.862 2.778]	4.94e-01	9.02e-01
Cholesterol, median [IQR]	0.725 [0.642 0.904]	0.784 [0.689 0.98]	0.815 [0.701 0.922]	4.99e-01	9.02e-01
Lipid =CH-CH2-CH=, median [IQR]	4.912 [4.474 5.678]	5.412 [5.058 5.687]	5.356 [4.471 5.55]	3.57e-01	9.02e-01
Glycerol phospholipid, median [IQR]	0.465 [0.03 0.688]	0.642 [0.286 1.087]	0.561 [0.343 1.104]	3.77e-01	9.02e-01
Phospholipid, median [IQR]	1.959 [1.465 3.131]	2.54 [1.872 3.401]	2.329 [2.023 2.768]	4.04e-01	9.02e-01
Lipid beta-CH2, median [IQR]	7.096 [5.544 7.793]	7.696 [5.81 8.91]	7.47 [6.398 7.874]	5.24e-01	9.02e-01
Lipid CH2, median [IQR]	71.709 [53.856 80.572]	77.866 [58.46 82.816]	71.732 [53.338 78.685]	6.2e-01	9.29e-01
Lipid CH3, median [IQR]	30.049 [27.317 33.856]	31.673 [26.06 33.989]	30.612 [27.285 31.887]	8.47e-01	9.78e-01
GlycB, median [IQR]	0.336 [0.295 0.376]	0.34 [0.312 0.424]	0.316 [0.27 0.328]	5.04e-01	9.02e-01
GlycA, median [IQR]	1.558 [1.424 1.608]	1.607 [1.427 1.913]	1.457 [1.268 1.686]	3.27e-01	9.02e-01