

Glycan composition	direction of association in cases	AUC	Adjusted p-value	FDR
H ₆ N ₃ F ₁ S ₀	Decreased	0.688	<0.001	0.000
H ₆ N ₅ F ₁ S ₀	Decreased	0.639	<0.001	0.003
H ₅ N ₄ F ₁ S ₀	Decreased	0.629	<0.001	0.007
H ₃ N ₄ F ₁ S ₀	Increased	0.624	<0.001	0.009
H ₃ N ₄ F ₀ S ₀	Increased	0.604	0.006	0.062
H ₆ N ₆ F ₁ S ₁	Decreased	0.596	0.010	0.102
H ₃ N ₃ F ₀ S ₀	Increased	0.594	0.010	0.111
H ₆ N ₅ F ₁ S ₁	Decreased	0.594	0.004	0.099
H ₃ N ₅ F ₁ S ₀	Increased	0.592	0.003	0.101
H ₆ N ₅ F ₁ S ₃	Increased	0.591	0.003	0.098
H ₃ N ₃ F ₁ S ₀	Increased	0.590	0.002	0.096
H ₇ N ₆ F ₁ F ₁	Increased	0.588	0.002	0.106
H ₄ N ₃ F ₀ S ₀	Decreased	0.587	0.003	0.108
H ₅ N ₄ F ₂ S ₂	Increased	0.586	0.002	0.110
H ₆ N ₃ F ₀ S ₀	Decreased	0.580	0.002	0.141
H ₄ N ₃ F ₁ S ₀	Decreased	0.578	0.001	0.149
H ₅ N ₄ F ₀ S ₀	Decreased	0.577	0.001	0.155
H ₆ N ₅ F ₁ S ₂	Increased	0.570	0.007	0.251
H ₆ N ₅ F ₀ S ₂	Decreased	0.568	0.007	0.258
H ₇ N ₇ F ₂ S ₃	Increased	0.567	0.004	0.257
H ₉ N ₂ F ₀ S ₀	Decreased	0.567	0.004	0.250
H ₃ N ₅ F ₀ S ₀	Increased	0.565	0.004	0.278
H ₅ N ₄ F ₁ S ₁	Decreased	0.562	0.004	0.321
H ₆ N ₅ F ₂ S ₃	Increased	0.558	0.005	0.363
H ₄ N ₃ F ₂ S ₀	Increased	0.555	0.012	0.427
H ₆ N ₆ F ₃ S ₁	Increased	0.555	0.010	0.418
H ₃ N ₇ F ₁ S ₀	Decreased	0.554	0.008	0.423
H ₅ N ₅ F ₂ S ₁	Decreased	0.553	0.007	0.447
H ₇ N ₆ F ₀ S ₄	Decreased	0.552	0.011	0.464
H ₅ N ₅ F ₃ S ₁	Decreased	0.551	0.008	0.461
H ₈ N ₂ F ₀ S ₀	Decreased	0.551	0.008	0.466
H ₆ N ₄ F ₀ S ₀	Decreased	0.551	0.007	0.457
H ₅ N ₅ F ₀ S ₁	Decreased	0.550	0.006	0.451

Supplementary Table 2 Glycans that were identified to be significantly different between NSCLC cases and controls at AUC>0.55 and FDR<0.5.