

Supplementary Table S1. Multivariate logistic regression analysis of other protein signatures associated with high-grade fibrosis.

Multivariable logistic regression				
	Variable	coefficient t	Odds ratio (95% CI)	P-value
Mode 11	ARG1_B7.H3_CD127_CD68_HLA.DR_OX40L_pan.RAS_STING_Tim.3	4.525	92.26 (10.50–810.67)	4.49 x10 ⁻⁵
	Age (≤55 years vs >55 years)	-0.783	0.46 (0.09–2.32)	0.345
	BMI (≤25 kg/m ² vs >25 kg/m ²)	2.602	13.49 (1.40–130.23)	0.025
Mode 12	B7.H3_CD68_HLA.DR_OX40L_Phospho.c.RAF_STING_VISTA	4.525	92.26 (10.50–810.67)	4.49 x10 ⁻⁵
	Age (≤55 years vs >55 years)	-0.783	0.46 (0.09–2.32)	0.345
	BMI (≤25 kg/m ² vs >25 kg/m ²)	2.602	13.49 (1.40–130.23)	0.025
Mode 13	Beta.2.microglobulin_CD127_CD68_HLA.DR_OX40L_Tim.3	4.762	116.94 (12.27–1114.37)	3.48 x10 ⁻⁵
	Age (≤55 years vs >55 years)	-1.108	0.33 (0.06–1.80)	0.200
	BMI (≤25 kg/m ² vs >25 kg/m ²)	2.786	16.22 (1.65–159.51)	0.017
Mode 14	CD68_HLA.DR_OX40L_pan.RAS_STING	4.6492	104.50 (11.40–957.83)	3.91 x10 ⁻⁵
	Age (≤55 years vs >55 years)	-0.5631	0.57 (0.11–3.06)	0.5115
	BMI (≤25 kg/m ² vs >25 kg/m ²)	2.7700	15.96 (1.64–155.03)	0.0170

Supplementary Figure S1. Performance evaluation of the protein signature in the (A) CHB subgroup (n=46) and (B) non-CHB group (n=18)

