

Gene signature	Effect size threshold	HP	CBX7	CD96	CNNM3	GTF2H4	MGC3020	CTSD	TOP1P2	CA5B	COG2	LCN1L1
7-gene signature	1.0	-					+					
11-gene signature	0.8	-	+	+	+	+	+	-	-		+	
25-gene signature	0.6	-	+	+	+	+		-	-	+		+

All gene signatures had the same values for FDR threshold (0.1), number studies threshold (3), heterogeneity p-value threshold (0), is leave one out (TRUE) and forward search threshold (0). 23 least common genes (PDCD4, PRAGMIN, RNF113A, RPP21, SNHG7, SNORA70B, STAG3L2, TMEM177, ZNF364, FAM160B1, FKBP5, GADD45A, IDH1, IFT20, ITGAM, METTL9, PPPDE2, RAP2C, RNU6-15, S100A9, SIGLEC16, SQRDL and VWA5A) are truncated from right end of table.

