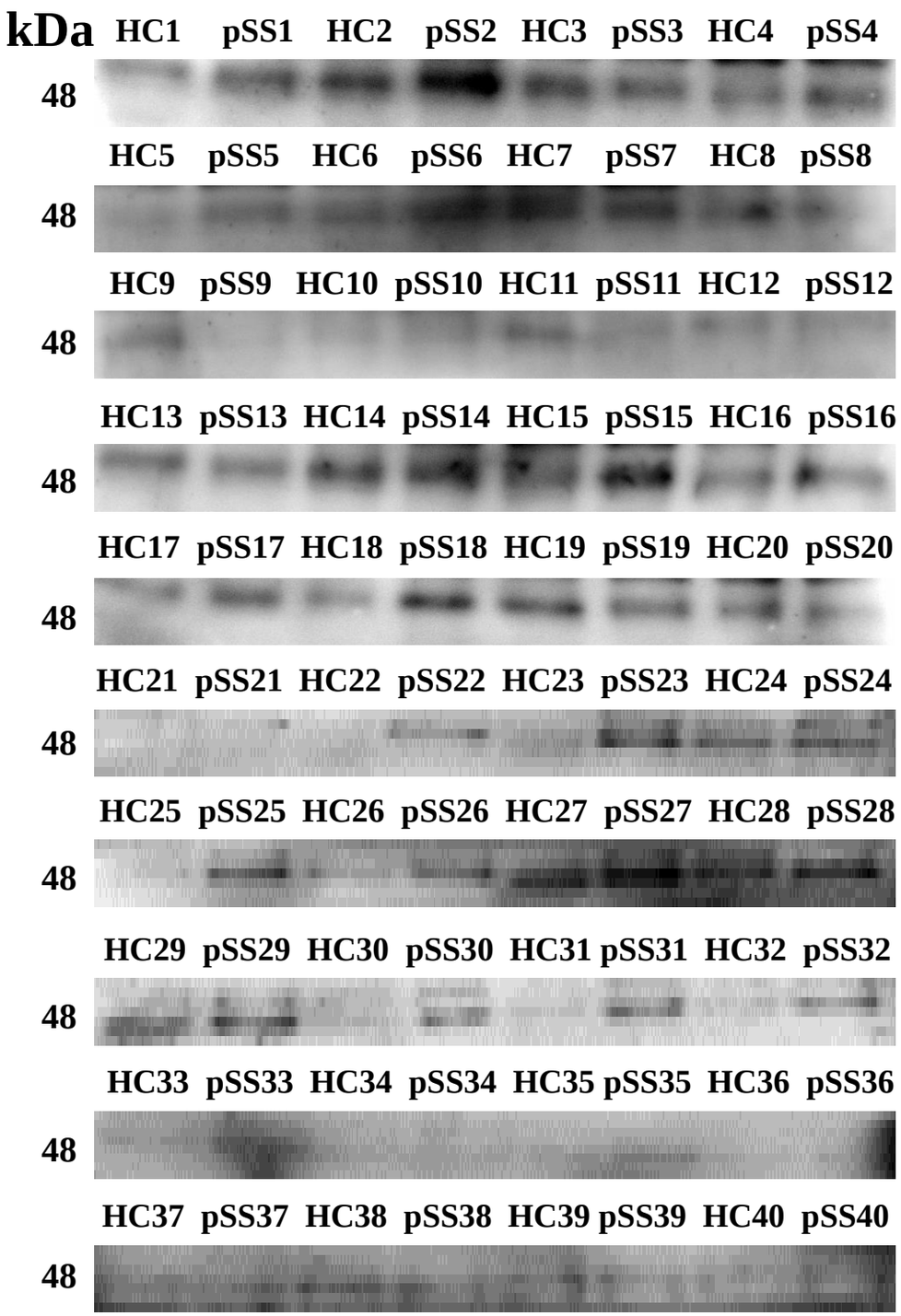
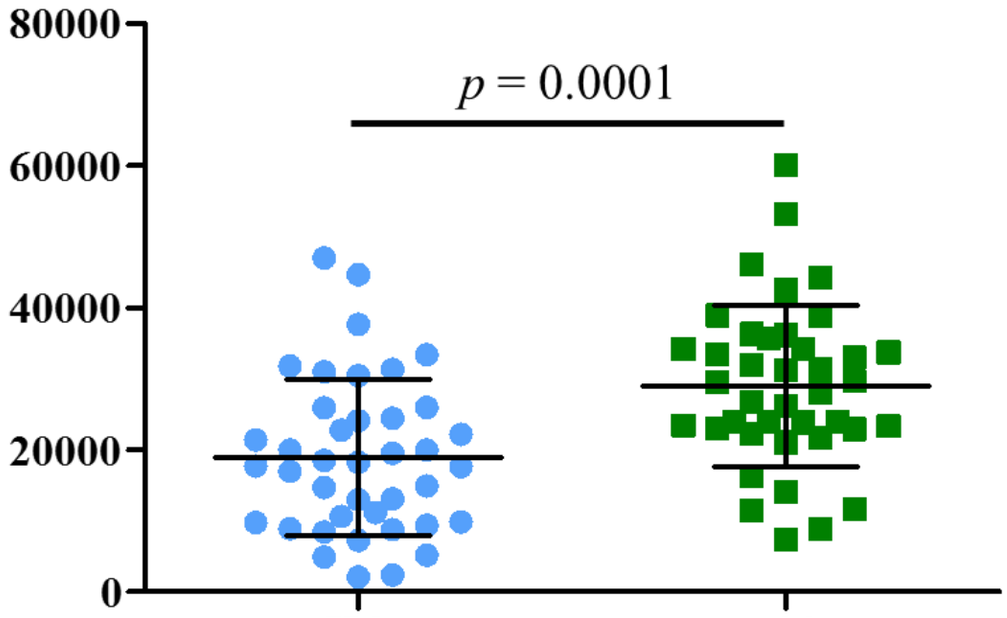
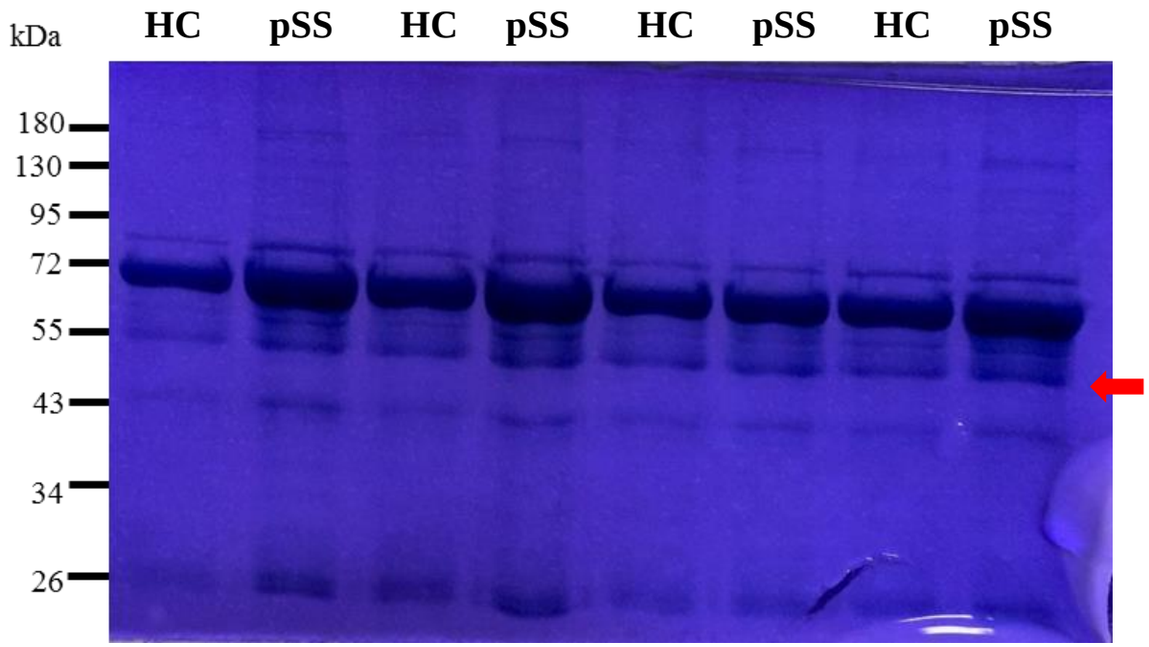
A

A1AG1

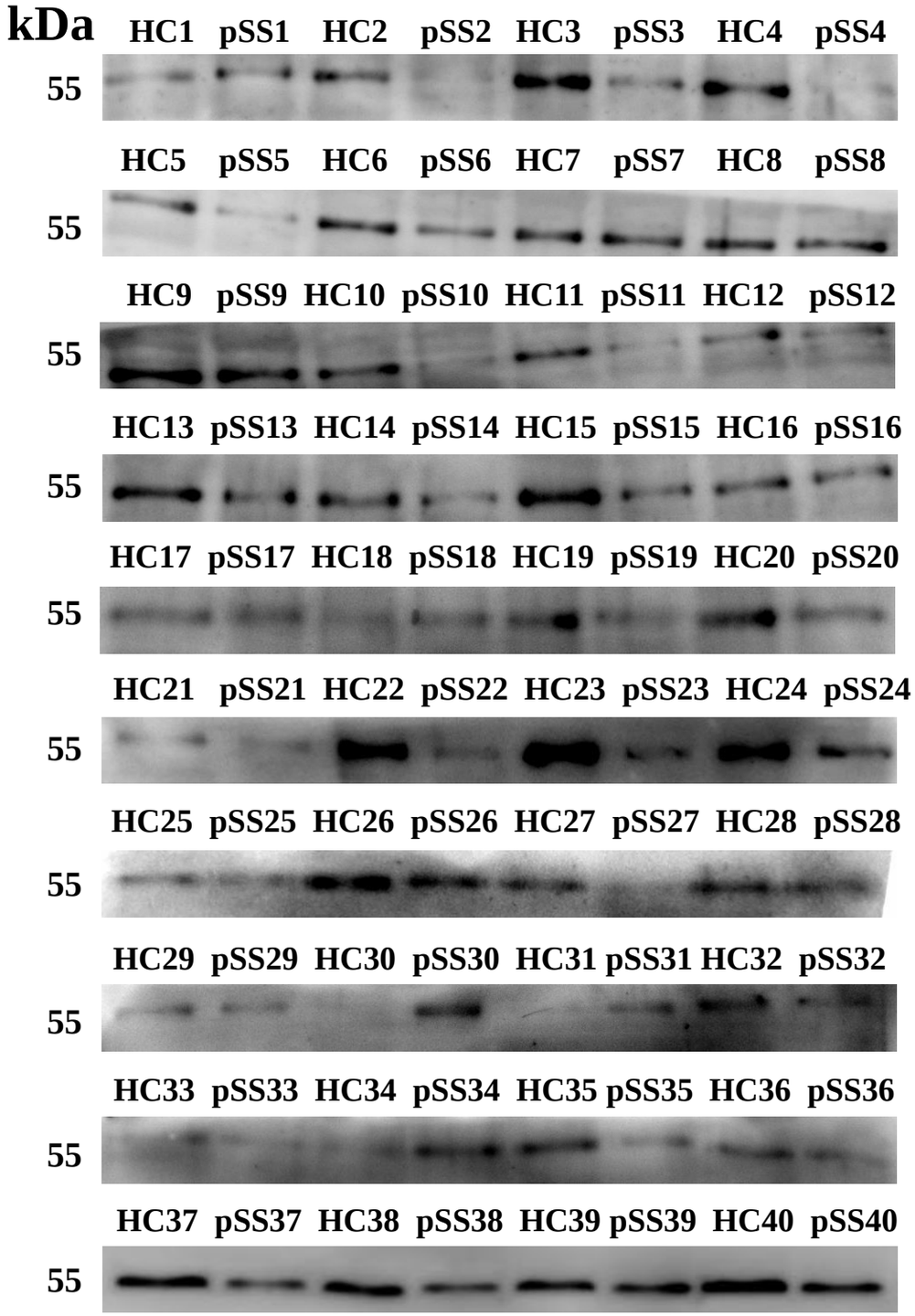

kDa
HC1 pSS1 HC2 pSS2 HC3 pSS3 HC4 pSS4
48
HC5 pSS5 HC6 pSS6 HC7 pSS7 HC8 pSS8
48
HC9 pSS9 HC10 pSS10 HC11 pSS11 HC12 pSS12
48
HC13 pSS13 HC14 pSS14 HC15 pSS15 HC16 pSS16
48
HC17 pSS17 HC18 pSS18 HC19 pSS19 HC20 pSS20
48
HC21 pSS21 HC22 pSS22 HC23 pSS23 HC24 pSS24
48
HC25 pSS25 HC26 pSS26 HC27 pSS27 HC28 pSS28
48
HC29 pSS29 HC30 pSS30 HC31 pSS31 HC32 pSS32
48
HC33 pSS33 HC34 pSS34 HC35 pSS35 HC36 pSS36
48
HC37 pSS37 HC38 pSS38 HC39 pSS39 HC40 pSS40
48

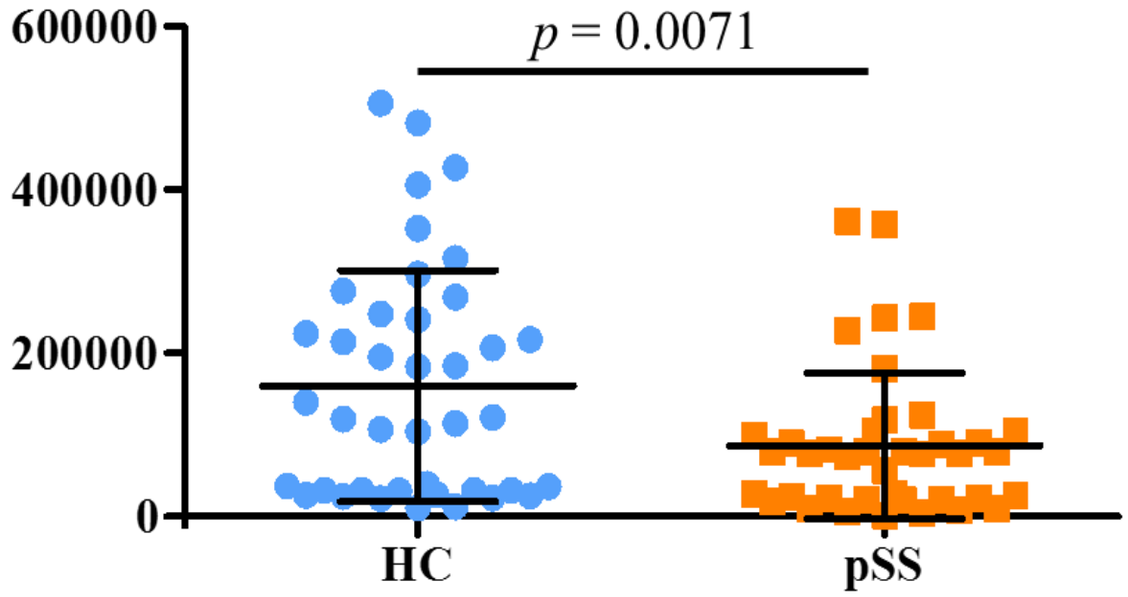

80000
60000
40000
20000
0
p = 0.0001
HC
pSS
HC = 18919 ± 10956
pSS = 28938 ± 11339


kDa
HC pSS HC pSS HC pSS HC pSS
180
130
95
72
55
43
34
26

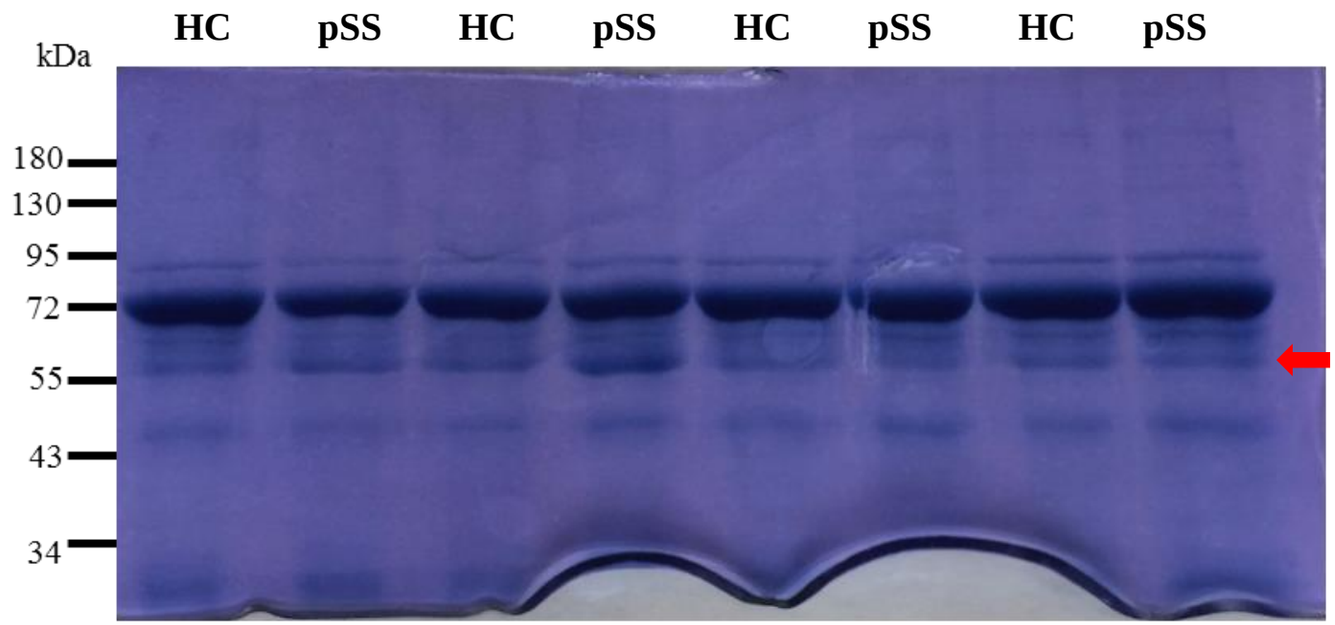
B

A1AT

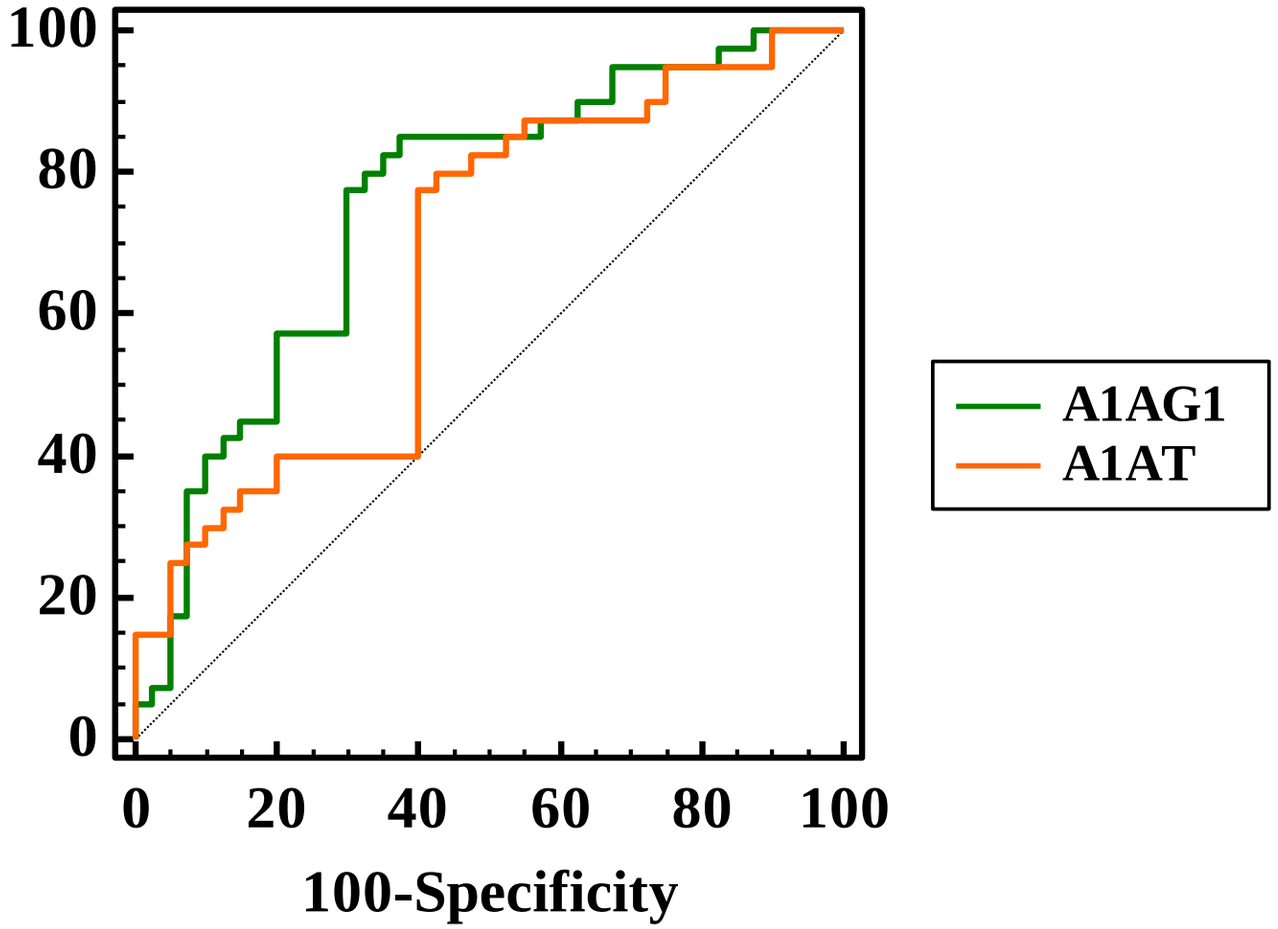




HC = 160179 ± 141698
pSS = 86969 ± 89394



C



	AUC (95% C.I.)	Sensitivity (95% C.I.)	Specificity (95% C.I.)
A1AG1	0.75 (0.64 - 0.84)	85.0% (70.2 - 94.3)	62.5% (45.8 - 77.3)
A1AT	0.67 (0.56 - 0.77)	77.5% (61.5 - 89.2)	60.0% (43.3 - 75.1)

Figure 1. Protein levels of A1AG1 and A1AT in serum were examined using anti-A1AG1 (A), and anti-A1AT (B) antibodies through Western blotting. Average blot densitometric values were calculated from duplicate data. Percentages of SDS-PAGE gel and loading amounts of serum proteins used in Western blotting were 10% and 2 μg for A1AG1, and 8% and 2 μg for A1AT, respectively. A duplicate gel was stained with Coomassie brilliant blue (CBB) as a loading control (right, bottom panel). The red arrow indicates the A1AG1 or A1AT protein. Receiver operating characteristic (ROC) curves were generated according to blot densitometry of A1AG1 and A1AT. The area under the ROC curve (AUC), sensitivity, and specificity were further estimated (C).