



Supplementary Figure S1. Thoracic high-resolution computed tomography (HRCT) scans of patients with pulmonary alveolar proteinosis (PAP). HRCT typically reveals ground-glass opacification (GGO) in the lungs of PAP patients. (A–C) Bilateral GGO with sharp demarcation in patients with autoimmune PAP. (D–F) Diffuse GGO \pm consolidation in patients with secondary PAP.

Supplementary Table 1. Primers for amplification and sequencing.

Amplification primer	Sequence
Forward primer	TGTAAACGACGGCCAGTTTCTTGGAGTACTCTA
Reverse primer	CAGGAAACAGCTATGACCYGCTYACCTCGCCKCTGCAC
Sequencing primer	Sequence
Forward primer	TGTAAACGACGGCCAGT
Reverse primer	CAGGAAACAGCTATGACC

Supplementary Table 2. HLA-DRB1 Genotypes frequencies.

HLA-DRB1 genotypes	aPAP (N = 18), no. (%)	HLA-DRB1 genotypes	sPAP (N = 10), no. (%)
08:03/14:54	4 (22.2)	15:01/16:02	2 (20.0)
08:03/14:05	1 (5.6)	08:03/10:01	1 (10.0)
13:12/14:54	1 (5.6)	08:03/11:01	1 (10.0)
09:01/10:01	1 (5.6)	08:03/13:01	1 (10.0)
04:05/08:03	1 (5.6)	09:01/12:01	1 (10.0)
09:01/14:54	1 (5.6)	09:01/15:01	1 (10.0)
03:01/08:03	1 (5.6)	03:01/09:01	1 (10.0)
01:01/04:03	1 (5.6)	04:05/15:01	1 (10.0)
08:03/13:12	1 (5.6)	12:02/15:01	1 (10.0)
15:01/16:02	1 (5.6)		
13:12/16:02	1 (5.6)		
11:06/12:02	1 (5.6)		
14:54/15:01	1 (5.6)		

HLA-DRB1 genotypes	aPAP (N = 18), no. (%)	HLA-DRB1 genotypes	sPAP (N = 10), no. (%)
07:01/08:03	1 (5.6)		
11:01/16:02	1 (5.6)		

aPAP = autoimmune pulmonary alveolar proteinosis; sPAP = secondary pulmonary alveolar proteinosis.