

Table S1 The specific distribution of pulmonary nodules

RUL (n)		RML (n)		RLL (n)		LUL (n)		LLL (n)	
S ¹	10	S ⁴	2	S ⁶	21	S ¹⁺²	13	S ⁶	21
S ¹⁺² a	2	Total =2		S ⁶ +S ⁸ a	1	S ¹⁺² a+b	9	S ⁶ +S ⁸ a	1
S ¹ a+S ²	1			S ⁶ b	1	S ¹⁺² a+b+S ³ c	3	S ⁷ +S ⁸ b	1
S ¹ a+S ² a	3			S ⁶ b+S ⁸ a	1	S ¹⁺² b+c	4	S ⁸	4
S ¹ b	1			S ⁶ b+S ⁹ a	1	S ¹⁺² a	1	S ⁸ a+S ⁹ a	1
S ¹ b+S ³	3			S ⁶ +S ⁹ a+S ¹⁰ a	1	S ¹⁺² a+S ³ c	4	S ⁸ b	3
S ¹ b+S ³ b	1			S ⁷ +S ⁸ b	1	S ¹⁺² b	1	S ⁹	1
S ²	14			S ⁸	2	S ¹⁺² c	2	Total =32	
S ² a	1			S ⁸ +S ⁹ a	2	S ¹⁺² c+S ³ a	2		
S ² b	3			S ⁸ a	3	S ³	2		
S ² b+S ³	1			S ⁸ a+S ⁹	1	S ³ a+b	2		
S ² b+S ³ a	15			S ⁸ a+S ⁹ a	1	S ³ a+b+S ⁴ b	1		
S ³	11			S ⁸ b	1	S ³ b+c	7		
S ³ a	1			S ⁹	2	S ³ a	1		
S ³ a+b	1			Total =39		S ³ a+S ⁴ a	1		
S ³ b	10					S ³ b+S ⁴ b	2		
Total =78						S ³ c	2		
						S ⁴ a	1		
						Total =58			

RUL, right upper lung; RML, right middle lung; RLL, right lower lung; LUL, left upper lung; LLL, left lower lung.

Table S2 Partition results of the chest group, lobar group, and symmetrical 3 sectors group

Group	Inner	Middle	Outer	Total	λ	P value
The chest group	0	48	161	209	7.234	0.124
The lobar group	1	62	146	209		
The symmetrical 3 sectors group	1	69	139	209		

P values are reported by the likelihood ratio test.

Table S3 The specific distribution of nodules is disturbed by mediastinum

Group	LUL	LLL	RUL	RML	RLL	Total
The chest group	58 (40%)	27 (19%)	48 (33%)	1 (1%)	11 (7%)	145 (100%)
The lobar group	47 (85%)	4(7%)	1 (2%)	1 (2%)	2 (4%)	55 (100%)
The symmetrical 3 sectors group	3 (30%)	3 (30%)	1 (10%)	1 (10%)	2 (20%)	10 (100%)

RUL, right upper lung; RML, right middle lung; RLL, right lower lung; LUL, left upper lung; LLL, left lower lung.