Table S1 Features leading to up-staging by cluster

Characteristic	Cluster 1 (n=45)	Cluster 2 (n=157)	Cluster 3 (n=17)
Pleural invasion	27 (60.0)	51 (32.5)	6 (35.3)
Occult lymph node metastasis	11 (24.0)	70 (44.6)	9 (52.9)
Both	7 (16.0)	36 (22.9)	2 (11.8)

Data are presented as n (%).

Table S2 Consolidation-to-tumor ratio of part solid nodules by cluster

Characteristic	Cluster 1 (n=174)	Cluster 2 (n=183)	Cluster 3 (n=23)	P value
CTR				0.696
0< CTR ≤0.5	106 (60.9)	107 (58.5)	12 (52.2)	
0.5< CTR <1.0	68 (39.1)	76 (41.5)	11 (47.8)	

Data are presented as n (%). CTR, consolidation-to-tumor ratio.