

**Supplementary table 1.** The AUCs and corresponding sensitivity and specificity of the prediction model and two miRNA biomarkers in a training set of patients with pulmonary nodules

	AUC	Sensitivity (95% CI)	Specificity (95% CI)
The prediction model	0.91	80.3 (68.7% to 89.1%)	89.4 (79.4% to 95.6%)
The panel of two miRNAs	0.80	72.6 (60.9% to 82.4%)	81.9 (72.0% to 89.5%)

Abbreviations: AUC, the area under receiver operating characteristic curve; CI, confidence interval.

**Supplementary table 2.** The sensitivity and specificity of the prediction model for detection of SCC in pulmonary nodules

<u>A training set</u>		<u>A testing set</u>	
<u>Sensitivity (95% CI)</u>	<u>Specificity (95% CI)</u>	<u>Sensitivity (95% CI)</u>	<u>Specificity (95% CI)</u>
80.4 (70.9% to 88.3%)	94.8 (87.2% to 98.6%)	81.8 (59.7% to 94.8%)	94.6 (84.9% to 98.9%)

Abbreviations: SCC, squamous cell carcinoma; AUC, the area under receiver operating characteristic curve; CI, confidence interval.

**Supplementary table 3.** The AUCs and corresponding sensitivity and specificity of the prediction model and two miRNA biomarkers in a testing set of patients with pulmonary nodules

	AUC	Sensitivity (95% CI)	Specificity (95% CI)
The prediction model	0.91	80.4 (67.6% to 89.8%)	89.1 (77.8% to 95.9%)
The panel of two miRNAs	0.80	73.2 (59.7% to 84.2%)	81.2 (69.1% to 90.9%)

Abbreviations: AUC, the area under receiver operating characteristic curve; CI, confidence interval.