Table S1. The equations used in the models, which were obtained by binary logistic regression.

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| --- | --- |
|  | Equation |
| ADC | $$y=\frac{1}{1+(0.031\*3.622^{x\_{1}}\*1.041^{x\_{2}}\*1.070^{x\_{3}}\*1.158^{x\_{4}})^{-1}}$$ |
| SCC | $$y=\frac{1}{1+(0.010\*2.445^{x\_{1}}\*1.088^{x\_{3}}\*2.106^{x\_{4}})^{-1}}$$ |
| NSCLC | $$y=\frac{1}{1+(0.030\*3.177^{x\_{1}}\*1.081^{x\_{3}}\*1.690^{x\_{4}})^{-1}}$$ |

Abbreviations: *x1*: isocitrate dehydrogenase 1; *x2*: CEA; *x3*: CA125; *x4*: Cyfra21-1; ADC: lung adenocarcinoma; SCC: lung squamous cell carcinoma; NSCLC: non-small cell lung cancer.