Supplementary Table S8. Multivariable Cox regression analysis for overall survival in the stage IV NSCLC subgroup

Variable	HR (univariable)	HR (multivariable)
Age	1.010 (0.945–1.079, p=0.769)	1.063 (0.923–1.223, p=0.398)
Male sex	15.188 (1.930–119.523, p=0.010)	31.839 (0.732–1,384.945, p=0.072)
BALF *SERPINA3*, /1SD increase	3.507 (1.022–12.032, p=0.046)	108.053 (0.941–12,412.968, p=0.053)
Plasma *SERPINA3*, /1SD increase	0.959 (0.565–1.630, p=0.877)	0.964 (0.409–2.272, p=0.933)
EGFR, positive	0.178 (0.035–0.922, p=0.040)	0.371 (0.040–3.451, p=0.384)
Cancer histology, others (ref. adenocarcinoma)	2.138 (0.677–6.756, p=0.195)	0.000 (0.000–Inf, p=0.999)

NSCLC: non-small cell lung cancer; HR: hazard ratio; BALF, bronchoalveolar lavage fluid; SERPINA3: serpin family A member 3; SD: standard deviation; EGFR: epidermal growth factor receptor.