

## Supplementary material

**Table S1 Univariable analyses for tumor response in NSCLC cases after the various cycles of chemotherapy**

Variable	After the first cycle		After the second cycle		After the fourth cycle	
	HR (95%CI)	<i>P</i>	HR (95%CI)	<i>P</i>	HR (95%CI)	<i>P</i>
Gender	0.58(0.06-5.51)	0.638	2.04(0.39–10.85)	0.404	2.22(0.51-9.65)	0.286
Male						
Female						
Age(years)	1.61(0.29-8.86)	0.584	0.63(0.18-2.28)	0.483	0.43(0.11-1.76)	0.242
≤60						
>60						
Smoking status	0.74(0.08-7.08)	0.794	1.77(0.33-9.52)	0.507	3.94(0.88-17.73)	0.074
Never						
Smoker						
Baseline ECOG PS	2.15(0.20-23.21)	0.528	0.59(0.03-1.30)	0.021	1.13(0.31-3.45)	0.783
0-1						
≥2						
T status	0.47(0.08-2.60)	0.386	1.30(0.35-4.84)	0.693	0.63(0.16-2.42)	0.499
T1+ T2						
T3+ T4						
N status	2.48(0.91-14.31)	0.690	0.76(0.04-3.22)	0.035	0.70(0.13-3.70)	0.673
N0						
N1+ N2+ N3						
M status	1.35(0.14-12.92)	0.794	0.66(0.12-3.60)	0.630	2.48(0.25-24.65)	0.439
M0						
M1						
TNM stage	1.35(0.14-12.92)	0.794	0.66(0.12-3.60)	0.630	2.48(0.25-24.65)	0.439
III						
IV						
variations of CD147	0.23(0.04-1.42)	0.115	14.85(2.79-70.06)	0.002	3.20(0.82-12.53)	0.045
increased						
decreased						
variations of MMP-9	6.51(0.98-20.18)	0.021	14.29(3.09-65.99)	0.001	7.00(1.56-31.52)	0.011
increased						
decreased						

**Table S2 Multivariable analyses for tumor response in NSCLC cases after the various cycles of chemotherapy**

Variable	After the first cycle		After the second cycle		After the fourth cycle	
	HR (95%CI)	<i>P</i>	HR (95%CI)	<i>P</i>	HR (95%CI)	<i>P</i>
Baseline ECOG PS			14.29(3.09-35.98)	0.285		
0-1						
≥2						
N status			0.32(0.00-1.51)	0.138		
N0						
N1+ N2+ N3						
variations of CD147			34.29(3.04-386.73)	0.004	5.51(0.98-30.88)	0.052
increased						
decreased						
variations of MMP-9	0.000	0.997	32.83(3.23-333.90)	0.003	12.00(1.98-72.89)	0.007
increased						
decreased						