

Supplemental Table 1. *CASP4* mRNA expression and clinicopathological factors in the non-small cell lung cancer patients.

	Low <i>CASP4</i> mRNA (n=39)	High <i>CASP4</i> mRNA (n=38)	P-value
Age (mean $\pm$ SD)	70.21($\pm$ 8.04)	68.24($\pm$ 11.09)	0.37 (a)
Gender			0.12 (b)
Male	21	27	
Female	18	11	
Stage			0.19 (b)
I-II	44	38	
III-IV	6	11	
Historical Grade			0.46 (b)
I	3	2	
II	21	19	
III	10	15	
IV	5	2	
Historogy			0.20 (b)
Adeno	27	29	
SCC	5	7	
others	7	2	
Pathological Tumor Size	25.05 ($\pm$ 10.97)	31.76 ($\pm$ 23.56)	0.17 (a)
<i>CASP4</i> mRNA (FPKM)	51.1($\pm$ 11.23)	100.5($\pm$ 36.31)	<0.01(a)
CEA (ng/mL)	4.86 ($\pm$ 7.39)	6.65 ($\pm$ 8.18)	0.10 (a)
CRP (ng/mL)	0.2300 ($\pm$ 0.3531)	0.4689 ($\pm$ 0.8860)	0.19 (a)
WBC (/ μ L)	5822 ($\pm$ 1502)	6342 ($\pm$ 1353)	0.16 (a)
Neutrophil (/ μ L)	3763 ($\pm$ 1181)	3866 ($\pm$ 1136)	0.70 (a)
Lymphocyte (/ μ L)	1402 ($\pm$ 487.4)	1766 ($\pm$ 586.0)	<0.01 (a)
Plt (/ μ L)	22.1 ($\pm$ 4.51)	24.0 ($\pm$ 5.53)	0.04 (a)
Alb (g/dL)	4.21 ($\pm$ 0.31)	4.22 ($\pm$ 0.40)	0.99 (a)

(a) Student's t-tests
(b) Chi-squared test

<u>Primers for quantitative real time PCR</u>	sequence
<i>hGAPDH</i> FWD	GTCTCCTCTGACTTCAACAGCG
<i>hGAPDH</i> REV	ACCACCTGTGCTGTAGCCAA
<i>hCASP4</i> FWD	AAGAGAAGCAACGTATGGCAGGAC
<i>hCASP4</i> REV	GGACAAAGCTTGAGGGCATCTGTA
<i>hKLF4</i> FWD	CATCTCAAGGCACACCTGCGAA
<i>hKLF4</i> REV	TCGGTCGCATTTTGGCACTGG
<i>hSERPINE1</i> FWD	CCTCCAGCAGCTGAATTCCT
<i>hSERPINE1</i> REV	GGGTTTCTCCTCCTGAAGTTCT
<i>hPTGS2</i> FWD	CGGTGAAACTCTGGCTAGACAG
<i>hPTGS2</i> REV	GCAAACCGTAGATGCTCAGGGA
<i>hEPA2</i> FWD	ACTGCCAGTGTGAGCATCAACC
<i>hEPA2</i> REV	GTGACCTCGTACTTCCACACTC
<i>hIGFBP5</i> FWD	ACCTGAGATGAGACAGGAGTC
<i>hIGFBP5</i> REV	GTAGAATCCTTTGCGGTCACAA
<i>hMYADM</i> FWD	CCAGTTCGATGAGAAGTATGGCG
<i>hMYADM</i> REV	CAGCCACATACGCCAGTAGGTT
<i>mActb</i> FWD	CATCCGTAAAGACCTCTATGCC
<i>mActb</i> REV	ATGGAGCCACCGATCCACA
<i>mCasp11</i> FWD	TTTACTCTGTCAAGCTGTCTT
<i>mCasp11</i> REV	AGGGTGTTGTTTCAGCCAT
<i>mEpha2</i> FWD	GGCTGTACTCAAGTTTACCACCG
<i>mEpha2</i> REV	CCGCTTTCAGTGTCTTGATGGC
<i>mSerpine1</i> FWD	CCTCTTCCACAAGTCTGATGGC
<i>mSerpine1</i> REV	GCAGTTCCACAACGTCATACTCG
<i>mPsgs2</i> FWD	GCGACATACTCAAGCAGGAGCA
<i>mPsgs2</i> REV	AGTGGTAACCGCTCAGGTGTTG
<i>mMyadm</i> FWD	TTGGCGTATGCCACTGAAGTGG
<i>mMyadm</i> REV	ATACAGGAGCGGCTCACTGATG
<i>mCd31(Pecam1)</i> FWD	CCAAAGCCAGTAGCATCATGGTC
<i>mCd31(Pecam1)</i> REV	GGATGGTGAAGTTGGCTACAGG
<i>mCd34</i> FWD	AGGACAGCAGTAAGACCACACC
<i>mCd34</i> REV	GTGTGGAGTTCCAGAGCCTGAA
<u>Primers for knockdown with shRNA</u>	sequence
shCASP4 FWD	AAGCTTTGTCCTCATGAAGAATT
shCASP4 REV	AATCTTCATGAGGACAAAGC
shSTAT1 FWD	GAGATGTGAATGAGAGAAATACA
shSTAT1 REV	TGTATTTCTCTCATTACATC

Supplemental Table 2