

Supplementary

Table S1 Clinicopathologic characteristics of non-small cell lung cancer (NSCLC) patients

Characteristics	Number of cases	Percentage
Gender		
Male	16	70%
Female	7	30%
Age (years)		
<50	9	39%
≥50	14	61%
Clinical stage		
Early stage	17	74%
Advanced stage	6	26%
T classification		
T1 and T2	18	78%
T3 and T4	5	22%
N classification		
No	15	65%
Yes	8	35%
Distant metastasis		
Yes	3	13%
No	20	87%

Table S2 Primers for reverse transcription (RT) and quantitative polymerase chain reaction (qPCR)

Primer name	Primer sequence
miR-16 RT-stem-loop	GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGATACGACCGCCAATA
miR-16 qPCR forward primer	GTCGCCGTAGCAGCACGTAAA
tRF-29-1OR6QOH04MI9 T-stem-loop	GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGATACGGCCCGATA
tRF-29-1OR6QOH04MI9 qPCR forward primer	TCAGCTAAATAAGCTATCGGGC
tRF-30-1OR6QOH04MR1 RT-stem-loop	GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGATACGAGGCCCGAT
tRF-30-1OR6QOH04MR1 qPCR forward primer	CAGCTAAATAAGCTATCGGGC
tRF-28-1OR6QOH04MDY RT-stem-loop	GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGATACGACCCGATAT
tRF-28-1OR6QOH04MDY qPCR forward primer	GTCAGCTAAATAAGCTATCGGG
tRF-31-87R8WP9N1EWJ0 RT-stem-loop	GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGATACGACCGCCGAAT
tRF-31-87R8WP9N1EWJ0 qPCR forward primer	GACAACTCCCTGGTGGTCTAGTG
tRF-31-79MP9P9NH57SD RT-stem-loop	GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGATACGACGCGAACGT
tRF-31-79MP9P9NH57SDqPCR forward primer	GACGACGTTTTCCGTAGTGTAGTG
Universal qPCR reverse primer	CCAGTGCAGGGTCCGAGGTA

Table S3 Differentially expressed tRFs/tiRNAs between non-small cell lung cancer (NSCLC) and healthy groups

tRF_Seq	Type	tRFdb_ID	MINTbase_ID	Length (nt)	log2FC
AGTAAGGTCAGCTAAATAAGCTATCGGGC	tRF-5c	-	tRF-29-1OR6QOH04MI9	29	6.531890653
TCCCTGGTGGTCTAGTGGTTAGGATTCGGCG	tRF-5c	5030c	tRF-31-87R8WP9N1EWJ0	31	5.056391207
AGTAAGGTCAGCTAAATAAGCTATCGGGC	tRF-5c	-	tRF-30-1OR6QOH04MR1	30	4.83764982
AGTAAGGTCAGCTAAATAAGCTATCGGG	tRF-5c	-	tRF-28-1OR6QOH04MDY	28	4.30650301
GTTTCCGTAGTGTAGTGGTTATCACGTTGCG	tRF-5c	5027c	tRF-31-79MP9P9NH57SD	31	3.560256976
GCATGGGTGGTTCAGTGGTAGAATTCTCGCC	tRF-5c	5003c	tRF-31-P4R8YP9LON4VD	31	2.76122885
GCATGGGTGGTTCAGTGGTAGAATTCTCGCCT	tRF-5c	-	tRF-32-P4R8YP9LON4V3	32	2.207751298
GATTCGCGCCAATGCACCA	tRF-3b	-	tRF-20-593J2426	20	2.011822562
AGTAAGGTCAGCTAAATAAGCTATCGGGCCC	tiRNA-5	-	tRF-31-1OR6QOH04MR1D	31	1.998485736
AACCGGGCAGAAGCACCA	tRF-3a	-	tRF-18-BS6PDFD2	18	1.768780197
GCATGGGTGGTTCAGTGGTAGAATTCTCGC	tRF-5c	-	tRF-30-P4R8YP9LON4V	30	1.703216516
GCGTTGGTGGTATAGTGGTTAGCATAGCTGC	tRF-5c	-	tRF-31-QNR8VP9NFQFYD	31	-5.146422317
TCGATCCCGGGTTTCGGCACCA	tRF-3b	3023b	tRF-22-WEK879652	22	-5.12579579
TCAATCTCGCTGGGGCCTCCA	tRF-3b	3007b	-	22	-4.836200287
GCTTCTGTAGTGTAGTGGTTATCACGTTT	tRF-5c	-	tRF-29-Q99P9P9NH525	29	-4.824161292
ACCCACTCCTGGTACCA	tRF-3a	3009a	tRF-18-0RER9LD2	18	-4.643339259
TCCCACCCAGGGACGCCA	tRF-3a	-	-	18	-4.418854391
AGCAGAGTGGCGCAGCGGAAGCGTGCTGGGCCC	tiRNA-5	-	tRF-33-FP18LPMBQ4NKDJ	33	-4.334759867
GTTTCCGTAGTGTAGTGGTTATCACGTTTCGCCTC	tiRNA-5	-	tRF-34-79MP9P9NH57S15	34	-3.237512626
GTTTCCGTAGTGTAGTGGTTATCACGTTT	tRF-5c	-	-	29	-3.171249236
GGTTCATGGTGAATGGTTAGCACTCTG	tRF-5c	-	tRF-29-R9J89O9NF5JP	29	-3.036574565
TCGAAACCGGGCGGAAACACCA	tRF-3b	3008b	tRF-22-WB08Q2B52	22	-3.009607695
TCCCACATGGTCTAGCGTTAGGATTCCTGG	tRF-5c	5028c	tRF-31-86J8WPMN1E8Y0	31	-2.679483309
TCGATTCGCGCCAATGCACCA	tRF-3b	3027b	tRF-22-WE8SPOX52	22	-2.571270436
GTTTCCGTAGTGTAGCGGTTATCACATTCGCCTC	tiRNA-5	-	tRF-34-79MP9PMNH5IS15	34	-2.170979996
AAGTGGTCCCGTTTT	tRF-1	-	-	16	-2.135615264
GGGATGTAGCTCAGTGGTAGAG	tRF-5b	-	tRF-23-R29P4P9LDS	23	-2.062071219
GTTTCCGTAGTGTAGTGGTTATCACGTTT	tRF-5c	-	tRF-29-79MP9P9NH525	29	-2.002778722
GTTTCCGTAGTGTAGTGGTTATCACGTTTCGCTA	tiRNA-5	-	tRF-34-79MP9P9NH57S1O	34	-1.705014157