

Supplementary table S1. MicroRNA cluster-regulated mRNA confirmed experimentally.

<i>mRNA target</i>	miRNAs	Ref.	Pathological condition associated with upregulated miRNA expression levels
<i>AKT1</i>	miR-93	1	AC
	miR-192	2	AC and AC-COPD
	miR-17	3	AC and AC-COPD
	miR-106b	4	AC
	miR-194	4	AC and AC-COPD
	miR-20a	4	AC
<i>APC</i>	miR-192	5	AC and AC-COPD
	miR-17	6	AC and AC-COPD
<i>ATC</i>	miR-18a	7	AC-COPD
<i>CCND1</i>	miR-20a	4, 8-11	AC
	miR-19a	12,13	AC
	miR-194	4	AC and AC-COPD
	miR-17	8-11	AC and AC-COPD
	miR-106b	4	AC
	miR-92	8,11	AC and AC-COPD
<i>KRAS</i>	miR-25	14,15	AC and AC-COPD
	miR-20a	11,14	AC
	miR-18a	16	AC-COPD
	miR-17	11,17	AC and AC-COPD
	miR-92a	11,17	AC and AC-COPD
<i>MYC</i>	miR-20b	18	AC-COPD
	miR-20a	11,19,20	AC
	miR-19b	18-21	AC and AC-COPD
	miR-19a	19-22	AC
	miR-18a	18, 20	AC-COPD
	miR-17	11,18, 20-23	AC and AC-COPD
	miR-92a	18,23	AC and AC-COPD
<i>PTEN</i>	miR-212	42	COPD
	miR-93	1	AC
	miR-25	24	AC and AC-COPD
	miR-20b	25	AC-COPD
	miR-20a	19, 25, 26	AC
	miR-19b	19,26	AC and AC-COPD
	miR-19a	19,25, 27,28	AC
	miR-192	2	AC and AC-COPD
	miR-18a	25,26	AC-COPD
	miR-17	19, 25,29-31	AC and AC-COPD
	miR-106b	24, 25, 31	AC
	miR-106a	25	AC and AC-COPD
miR-92a	19,30,	AC and AC-COPD	

		31, 40	
TP53	miR-93	32	AC
	miR-25	32	AC and AC-COPD
	miR-20a	33	AC
	miR-19b	32	AC and AC-COPD
	miR-19a	32	AC
	miR-194	34-36	AC and AC-COPD
	miR-192	34-36	AC and AC-COPD
	miR-17	32,33	AC and AC-COPD
	miR-106b	32	AC
	miR-92	17,33	AC and AC-COPD
RB1	miR-20a	37	AC
	miR-17	38	AC and AC-COPD
	miR-106a	37,39	AC and AC-COPD
IRAK4	miR-132	41	COPD
	miR-212	41	COPD
I16	miR-212	43	COPD
	miR-132	44	COPD

AC: Lung adenocarcinoma

References

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Supplementary table S1. Overlapping our results and two-meta-analysis of miRNAs expression in lung cancer

<i>MicroRNAs</i>	<i>Molina-Pinelo et al.</i>			<i>Guan et al. [16]</i>		<i>Vosa et al. [17]</i>
	<i>AC</i>	<i>AC-COPD</i>	<i>COPD</i>	<i>LC</i>	<i>ADC</i>	<i>LC</i>
Let-7b		↑				
miR-15a		↑				
miR-15b	↑	↑	↑			
miR-16	↑			↓		
miR-17	↑	↑		↑		
miR-18a		↑		↑		
miR-19a	↑					
miR-19b	↑	↑				
miR-20a	↑			↑		
miR-20b		↑		↑		
miR-25	↑	↑				
miR-26a	↑					
miR-29b			↓			
miR-31	↑			↑	↑	↑
miR-34a			↓			
miR-92a	↑	↑				
miR-93	↑			↑		
miR-98			↓			
miR-99a	↑			↓		
miR-100	↑					
miR-101		↑		↓		
miR-106a	↑	↑		↑		
miR-106b	↑					
miR-126	↑	↑		↓	↓	
miR-130b	↑	↑		↑		
miR-132			↑			
miR-135b	↑			↑		
miR-140-3p	↑	↑		↓		
miR-145			↑	↓	↓	↓
miR-146b-5p			↓			
miR-149	↑	↑				
miR-181a		↑				
miR-185	↑	↑				
miR-192	↑	↑				
miR-193a-5p			↓			
miR-193b	↑	↑		↑		
miR-194	↑	↑				
miR-195	↑	↑		↓		
miR-200b	↑			↑		↑
miR-200c	↑			↑		
miR-210	↑	↑		↑	↑	↑
miR-212			↑			
miR-218			↓	↓	↓	

miR-222	↑	↑				
miR-223			↑			
miR-301a		↑				
miR-320	↑					
miR-324-3p	↑					
miR-324-5p			↓			
miR-335	↑	↑				
miR-342-3p		↓	↓			
miR-342-5p			↑			
miR-365		↓	↓			
miR-375	↑			↑		
miR-422a			↑			
miR-423-5p			↑			
miR-425	↑	↑	↑			
miR-449b		↑				
miR-451	↑	↑		↓		↓
miR-454	↑					
miR-484	↑					
miR-486-3p	↑	↑	↑			
miR-486-5p	↑			↓		↓
miR-511		↓				
miR-590-5p		↑				
miR-652	↑					

AC: Lung adenocarcinoma; LC: Lung cancer; ↑: Upregulated and ↓: Downregulated.

