

## Supplementary material

### Tables S1 to S7

**Table S1. Clinical and pathological characteristics of samples used to extract RNA for qPCR experiments**

Characteristic:		
Age of patients	39 – 81 (mean 59)	
TNM/Stage	Histological type of NSCLC (no. of patients)	
	SCC	ADC
T <sub>1</sub> N <sub>0</sub> M <sub>0</sub> , T <sub>2</sub> N <sub>0</sub> M <sub>0</sub> /Stage (IA+ IB)	10	5
T <sub>3</sub> N <sub>0</sub> M <sub>0</sub> , T <sub>2</sub> N <sub>1</sub> M <sub>0</sub> /Stage IIB	10	1
T <sub>1</sub> N <sub>2</sub> M <sub>0</sub> , T <sub>2</sub> N <sub>2</sub> M <sub>0</sub> , T <sub>3</sub> N <sub>1</sub> M <sub>0</sub> , T <sub>3</sub> N <sub>2</sub> M <sub>0</sub> /Stage IIIA	13	5
T <sub>4</sub> N <sub>0</sub> M <sub>0</sub> /Stage IIIB	–	2
N <sub>0</sub> Stage (no metastases)	13	7
N <sub>1</sub> Stage +N <sub>2</sub> Stage (with metastases)	20	6
<b>Total:</b>	<b>33</b>	<b>13</b>

Note: SCC – Squamous Cell Carcinoma; ADC – adenocarcinoma.

**Table S2. Primers and TaqMan probes for qPCR.**

Gene	Primers (F, R) and probe (Z) sequences 5'→3'		Amplicon length
<i>CTDSPL</i> (cDNA)	F	CCACCATTCTCCTCCACCAGT	154
	R	CCACCATTCTCCTCCACCAGT	
	Z	FAM-CCACATTGTAATCACGGAAGCAGCAGA-BHQ1	
<i>CTDSPL</i> (DNA)	F	CAGAGTGCGTGTGCCGACT	126
	R	ACAACCTTCTCTGCGGGCGT	
	Z	FAM-CTGGCGGAGAGACTGGGAGCGA-BHQ1	
<i>ACTB</i> (DNA)	F	GTGCTCAGGGCTTCTTGTCCTTT	160
	R	TTTCTCCATGTCGTCCCAGTTGGT	
	Z	FAM-AAGGATTCCTATGTGGGCGACGAGGCCCA-BHQ1	
<i>RPNI</i> (cDNA)	F	CACCCTCAACAGTGGCAAGAAG	125
	R	TGCATTTGCTCACTCTGTGC	
	Z	FAM-CCCTCTGTCTTCAGCCTGGACTGC-BHQ1	

Note: F – forward primer; R – reverse primer; Z – probe.

**Table S3. Differential expression of *CTDSP1/2/L/L2* and *RB1* in non-small cell lung cancer according to TCGA data.**

Gene Name	Pooled samples							Paired samples					
	Log2FC	FDR	P-value	Rel. StDev(T), %	Rel. StDev(N), %	Tumor CPM	Norm CPM	Log2FC (mean)	FDR	P-value	Tumor CPM	Norm CPM	
CTDSPL	-1,2	5,03E-52	1,01E-52	45,0	27,9	43,5	101,2	-1,0	1,39E-11	2,78E-12	50,9	101,2	
CTDSP1	-0,6	1,25E-18	5,01E-19	33,0	16,7	118,0	176,1	-0,6	2,38E-09	9,51E-10	122,1	176,1	
CTDSPL2	0,6	1,38E-07	8,27E-08	45,2	20,8	44,6	29,3	0,6	1,61E-07	9,64E-08	46,8	29,3	
CTDSP2	-0,4	3,28E-05	2,62E-05	49,3	22,0	272,4	368,0	-0,3	0,000368	0,000295	306,5	368,0	
RB1	0,0	0,85922	0,85922	48,0	21,4	61,4	60,8	-0,3	0,951593	0,951593	62,1	60,8	

(A) Relative expression level of *CTDSP1/2/L/L2* and *RB1* genes in lung squamous cell carcinomas (TCGA LUSC dataset). Log2FC – binary logarithm of expression level fold change (tumor versus normal); FDR – false discovery rate; Rel. StDev. - relative standard deviation (also named CV, coefficient of variation) of the expression levels; CMP – read counts per million.

Gene Name	Pooled samples							Paired samples					
	Log2FC	FDR	P-value	Rel. StDev(T), %	Rel. StDev(N), %	Tumor CPM	Norm CPM	Log2FC (mean)	FDR	P-value	Tumor CPM	Norm CPM	
CTDSPL	-1,1	4,81E-40	9,62E-41	52,2	21,6	54,0	118,9	-1,2	1,55E-19	3,11E-20	50,8	118,1	
CTDSP1	-0,3	1,33E-08	5,3E-09	29,1	15,2	148,4	186,2	-0,5	2,16E-10	8,66E-11	136,9	186,1	
RB1	-0,4	1,71E-08	1,02E-08	41,2	19,7	46,8	63,5	-0,4	1,3E-05	7,82E-06	52,0	63,3	
CTDSP2	-0,4	0,000183	0,000147	51,5	17,0	284,1	383,0	-0,3	0,126101	0,100881	291,9	382,2	
CTDSPL2	-0,1	0,779243	0,779243	38,6	19,0	29,4	30,6	0,0	0,424956	0,424956	31,9	30,7	

(B) Relative expression level of *CTDSP1/2/L/L2* and *RB1* genes in lung adenocarcinoma (TCGA LUAD dataset). Log2FC – binary logarithm of expression level fold change (tumor versus normal); FDR – false discovery rate; Rel. StDev. - relative standard deviation (also named CV, coefficient of variation) of the expression levels; CMP – read counts per million.

**Table S4. Differential expression of mir-26a/b in non-small cell lung cancer according to TCGA data.**

miRNA	Pooled samples								Paired samples				
	Log2FC	FDR	P-value	Rel. StDev(T) %	Rel. StDev(N) %	Tumor CPM	Norm CPM	Log2FC (mean)	FDR	P-value	Tumor CPM	Norm CPM	Log2FC profile
hsa-mir-26a-2	-1,3	5,96E-30	1,2E-31	53,9	55,5	2762,9	6624,1	-1,1	4,89E-10	1,03E-11	3740,0	7612,0	
hsa-mir-26b	-0,3	0,822456	0,172983	51,4	41,9	626,8	761,3	-0,8	3,71E-08	1,06E-09	497,9	849,5	
hsa-mir-26a-1						1,0	0,6				0,8	0,6	discarded. too few reads

(A) Relative expression level of mir-26a/b in lung squamous cell carcinomas (TCGA LUSC dataset). Log2FC – binary logarithm of expression level fold change (tumor versus normal); FDR – false discovery rate; Rel. StDev. - relative standard deviation (also named CV, coefficient of variation) of the expression levels; CMP – read counts per million.

miRNA	Pooled samples								Paired samples				
	Log2FC	FDR	P-value	Rel. StDev(T) %	Rel. StDev(N) %	Tumor CPM	Norm CPM	Log2FC (mean)	FDR	P-value	Tumor CPM	Norm CPM	Log2FC profile
hsa-mir-26a-2	-1,4	4,11E-66	3,54E-68	38,9	31,9	1908,0	5136,9	-1,6	1,35E-12	1,29E-14	1757,8	5136,9	
hsa-mir-26b	-0,5	5,93E-05	6,46E-06	47,3	31,1	610,9	851,4	-0,8	0,000164	1,92E-05	506,8	851,4	
hsa-mir-26a-1						1,4	1,3				1,2	1,3	discarded. too few reads

(B) Relative expression level of mir-26a/b in lung adenocarcinoma (TCGA LUAD dataset). Log2FC – binary logarithm of expression level fold change (tumor versus normal); FDR – false discovery rate; Rel. StDev. - relative standard deviation (also named CV, coefficient of variation) of the expression levels; CMP – read counts per million.

**Table S5. Summary of qPCR data for *CTDSPL*, *CTDSP1*, *CTDSP2* and *RBI* genes in non-small cell lung cancer (NSCLC: ADC and SCC).**

Quantitative characteristics	ADC	SCC	ADC	SCC
	<i>CTDSPL</i>		<i>RBI</i>	
Average mRNA level fold change	6.7↓ <sup>a</sup>	6.8↓ <sup>a</sup>	4.6↓ <sup>a</sup>	3.0↓ <sup>a</sup>
<i>FD</i> , %	77	72	69	59
<i>LD<sub>av</sub></i> , n-fold	8.3↓	8.9↓	6↓	4.3↓
<i>FI</i> , %	no	3	7	3
<i>LI<sub>av</sub></i> , n-fold	no	2	2.5	2.5
Average mRNA level for groups without and with metastasis	2.6↓ (no met)	3.9↓ (no met)	1.7↓ (no met)	2.6↓ (no met)
	11.6↓ (met)	8.7↓ (met)	7.9↓ (met)	3.3↓ (met)
	<i>P</i> < 0.01	<i>P</i> = 0.62	<i>P</i> < 0.01	<i>P</i> = 0.66
	<i>CTDSP1</i>		<i>CTDSP2</i>	
Average mRNA level for all samples, n-fold	3.6↓ <sup>a</sup>	3.5↓ <sup>a</sup>	5.2↓ <sup>a</sup>	4.0↓ <sup>a</sup>
<i>FD</i> , %	64	68	90	70
<i>LD<sub>av</sub></i> , n-fold	4.6↓	4.5↓	5.7↓	5.2↓
<i>FI</i> , %	no	no	no	no
<i>LI<sub>av</sub></i> , n-fold	no	no	no	no
Average mRNA level for groups without and with metastasis	2.0↓ (no met)	2.4↓ (no met)	4.6↓ (no met)	2.5↓ (no met)
	5.3↓ (met)	4.2↓ (met)	5.8↓ (met)	5.0↓ (met)
	<i>P</i> < 0.05	<i>P</i> = 0.27	<i>P</i> < 0.06	<i>P</i> = 0.59

Note: *LD<sub>av</sub>*, average mRNA level decrease; *LI<sub>av</sub>*, average mRNA level increase; *FD*, frequency of decrease; *FI*, frequency of increase; ↑, increase; ↓, decrease; met, metastases; ADC (N=13) and SCC (N=33); <sup>a</sup>*P* < 0.02 for each value.

**Table S6. Top scored common regulatory microRNAs for SCP subfamily genes (lung SCC). Orange background highlights the members of oncogenic mir-96/182/183 family, which are overexpressed in NSCLC.**

	CTDSP2	RB1	CTDSP2	CTDSP1	CTDSP1				
LogFC [pooled]	-0,1	-0,4	-0,4	-0,3	-1,1				
FDR	0,779243	1,71E-08	0,000183	1,33E-08	4,81E-40				
avg. CPM	30,0	55,2	333,6	167,3	86,4				
LogFCs						LogFC	FDR	avg. CPM	LogFCs
hsa-mir-183	0,11	-0,20	-0,14	-0,24	-0,27	2,2	2,5E-07	6288,7	
hsa-mir-20a	-0,20	-0,31	-0,26	0,03	-0,26	0,9	8,7E-05	173,3	
hsa-mir-93	-0,12	-0,43	-0,27	-0,14	-0,35	1,2	6,33E-07	2744,3	
hsa-mir-182	0,05	-0,19	-0,14	-0,10	-0,16	1,9	4,41E-10	13736,6	
hsa-mir-9-2	0,01	-0,24	-0,20	-0,31	-0,42	4,7	0,311093	380,6	
hsa-mir-9-1	0,01	-0,24	-0,20	-0,31	-0,41	4,7	0,311093	380,7	
hsa-mir-96	-0,18	-0,38	-0,28	-0,10	-0,34	2,6	5,43E-09	13,9	
hsa-mir-17	-0,04	-0,13	-0,17	0,03	-0,15	0,4	0,00715	597,3	
hsa-mir-29b-1	-0,46	-0,19	-0,22	0,14	-0,12	1,1	1,7E-06	317,9	
hsa-mir-30b	-0,36	-0,25	-0,03	0,22	0,20	-0,6	0,012228	666,3	
hsa-mir-34a	-0,48	-0,32	-0,08	0,15	0,01	0,7	2,26E-05	173,8	
hsa-mir-424	0,00	-0,09	-0,10	-0,19	-0,30	1,2	0,003977	54,4	
hsa-mir-142	-0,19	-0,14	-0,19	-0,23	-0,34	1,7	6,98E-08	1446,6	
hsa-mir-106a	-0,11	-0,23	-0,26	-0,09	-0,30	0,7	0,058244	8,7	
hsa-mir-130b	-0,01	-0,28	-0,16	-0,32	-0,42	1,6	0,000611	20,3	
hsa-mir-590	-0,01	-0,26	-0,33	-0,23	-0,51	1,0	3,16E-06	12,0	
hsa-mir-128-1	-0,34	0,02	-0,11	-0,27	-0,31	0,4	0,01125	70,2	
hsa-mir-26b	-0,15	-0,05	-0,11	0,31	0,02	-0,3	0,822456	694,0	
hsa-mir-429	-0,12	-0,27	-0,15	0,09	-0,01	1,1	3,7E-05	84,7	
hsa-mir-106b	-0,23	-0,04	-0,05	-0,16	-0,22	0,1	1	581,5	
hsa-mir-21	-0,19	-0,14	-0,07	-0,01	-0,20	1,8	1,83E-18	229334,6	
hsa-mir-7-1	0,16	-0,04	-0,18	-0,06	-0,21	1,4	5,23E-07	13,7	
hsa-mir-199a-1	-0,22	-0,12	-0,01	-0,07	-0,08	0,8	8,13E-07	788,9	
hsa-mir-128-2	-0,36	0,06	-0,12	-0,26	-0,30	0,4	0,013333	54,9	
hsa-mir-186	-0,03	-0,22	-0,22	0,02	-0,17	0,3	0,002261	233,4	
hsa-mir-22	-0,17	0,08	-0,08	0,09	-0,04	0,2	0,013516	69864,3	
hsa-mir-135b	-0,22	-0,11	-0,08	0,28	0,12	2,5	1,22E-06	33,4	
hsa-mir-199a-2	-0,19	-0,10	-0,01	-0,10	-0,10	0,7	1,82E-06	1305,3	
hsa-mir-193b	-0,13	-0,18	-0,12	-0,01	-0,32	1,6	0,00665	41,1	
hsa-mir-19a	-0,28	-0,37	-0,27	0,02	-0,31	1,1	0,001552	14,7	
hsa-mir-141	-0,05	-0,09	-0,18	0,19	-0,13	1,5	1,65E-10	1029,6	
hsa-mir-335	-0,06	-0,04	-0,11	-0,16	-0,14	-0,1	1	119,9	
hsa-mir-33a	-0,09	-0,20	-0,25	-0,15	-0,25	1,3	2,13E-05	13,4	
hsa-mir-155	-0,11	0,02	-0,01	-0,19	-0,10	0,2	0,626623	383,4	
hsa-mir-199b	-0,16	-0,08	-0,01	-0,12	-0,11	0,7	1,15E-05	1652,4	
hsa-mir-210	-0,11	-0,27	-0,21	-0,12	-0,42	5,1	1,23E-08	479,9	
hsa-mir-30d	-0,10	-0,04	0,11	0,22	0,40	-1,1	8,11E-11	18255,4	
hsa-mir-194-2	-0,06	-0,01	-0,16	0,15	0,03	1,2	0,546912	134,1	
hsa-mir-29b-2	-0,47	-0,21	-0,21	0,16	-0,10	1,1	2,01E-06	343,1	
hsa-mir-20b	-0,10	-0,28	-0,21	-0,15	-0,37	0,7	0,278212	10,8	

**Comments:** Top-40 potential regulating microRNA are listed. The values in each cell represent coefficient of Spearman correlation between the gene and the microRNA expression level. The bars inside cells (regardless of color) indicate prediction score of microRNA binding site according to several databases (from left to right): miRTarBase (strong experimental evidence), TargetScan (conservative binding sites, CS), PicTar (CS), DIANA microT, mirSVR (CS), TargetScan (non-CS), PicTar (non-CS), miRTarBase (weak experimental evidence), mirSVR (non-CS). Cell borders indicate miRNA-gene pairs with predicted binding site (dashed border – only non-CS sites; double border – several reliable algorithms). On the right side of the figure, expression profiles of microRNAs in paired tumor-normal samples are presented in logarithmic scale (from -2 to +2, e.g. from 4-fold decrease to 4-fold increase). MicroRNAs are sorted by overall prediction score (decreasing).

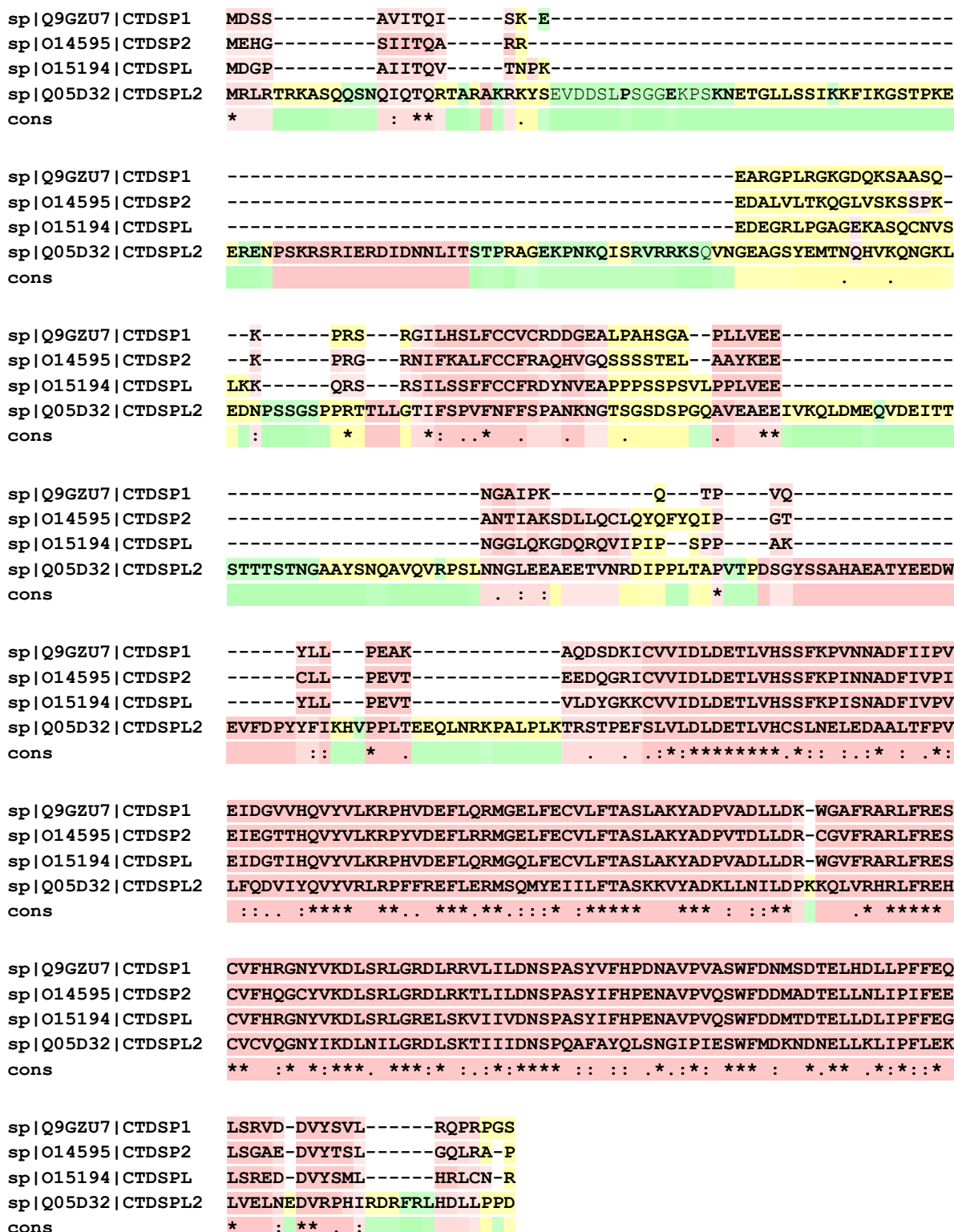
**Table S7. Top scored common regulatory microRNA for SCP subfamily genes (lung ADC). Orange background highlights the members of oncogenic mir-96/182/183 family, which are overexpressed in NSCLC.**

	CTDSP2	RB1	CTDSP2	CTDSP1	CTDSP1				
LogFC	0,6	0,0	-0,4	-0,6	-1,2				
FDR	1,38E-07	0,85922	3,28E-05	1,25E-18	5,03E-52				
avg. CPM	36,9	61,1	320,2	147,1	72,3				
LogFCs						LogFC	FDR	avg. CPM	LogFCs
hsa-mir-183	0,30	-0,06	-0,17	-0,27	-0,27	2,5	3,77E-09	7902,0	
hsa-mir-182	0,20	-0,08	-0,18	-0,21	-0,22	1,8	7,43E-07	15679,5	
hsa-mir-96	0,20	-0,12	-0,29	-0,22	-0,26	2,6	8,94E-08	18,4	
hsa-mir-30b	-0,34	-0,15	-0,07	0,29	0,24	-2,0	1,28E-54	864,0	
hsa-let-7a-1	-0,16	0,04	0,19	0,17	0,28	-1,3	2,75E-47	10392,0	
hsa-let-7a-3	-0,16	0,04	0,19	0,17	0,28	-1,3	3,89E-47	10439,5	
hsa-mir-9-2	0,27	-0,11	-0,21	-0,27	-0,31	5,3	0,001594	1239,4	
hsa-mir-9-1	0,27	-0,11	-0,21	-0,27	-0,31	5,3	0,001594	1240,6	
hsa-mir-30a	-0,32	0,00	0,19	0,21	0,28	-3,5	1,1E-107	82918,9	
hsa-mir-26b	-0,32	-0,13	-0,06	0,49	0,10	-0,5	5,93E-05	731,1	
hsa-mir-26a-2	-0,35	-0,08	0,26	0,25	0,27	-1,4	4,11E-66	3522,5	
hsa-mir-22	-0,33	0,12	0,17	0,11	0,31	-0,9	2,06E-35	135077,1	
hsa-mir-29a	-0,44	-0,07	0,13	0,25	0,23	-1,5	1,06E-45	11668,1	
hsa-mir-149	0,28	0,04	-0,17	0,08	-0,15	2,8	4,76E-08	116,4	
hsa-mir-30d	-0,23	-0,09	0,14	0,19	0,27	-2,7	2,53E-93	21762,1	
hsa-let-7g	-0,19	-0,07	0,02	0,10	0,14	-0,4	4,49E-06	554,3	
hsa-mir-7-1	0,31	-0,10	-0,19	-0,24	-0,20	1,0	6,16E-06	22,1	
hsa-mir-486	-0,17	-0,01	0,13	0,19	0,28	-3,9	9,56E-58	852,1	
hsa-mir-132	-0,19	-0,02	0,17	-0,01	0,13	-0,3	0,039192	123,6	
hsa-mir-15b	0,08	-0,07	-0,27	-0,15	-0,09	0,1	1	288,8	
hsa-let-7e	-0,15	-0,14	0,28	0,15	0,14	-0,7	1,99E-06	1169,6	
hsa-mir-34a	-0,32	-0,12	-0,05	0,18	0,22	-0,9	1,27E-21	239,4	
hsa-mir-93	-0,28	-0,02	-0,30	-0,26	-0,23	0,8	5,08E-05	7120,1	
hsa-mir-192	0,09	-0,01	-0,08	-0,19	-0,07	0,3	1	369,5	
hsa-mir-143	-0,22	0,10	0,27	0,14	0,29	-2,0	2,51E-47	124933,5	
hsa-mir-139	-0,36	-0,03	0,10	0,16	0,27	-2,9	1,65E-68	130,6	
hsa-mir-374b	-0,24	-0,23	0,02	0,18	0,14	-1,0	3,86E-27	87,3	
hsa-mir-29b-1	-0,39	-0,15	-0,12	0,12	-0,03	-0,4	0,22746	375,7	
hsa-mir-424	-0,04	-0,02	-0,09	-0,02	-0,16	1,0	2,24E-05	52,7	
hsa-mir-10a	-0,22	-0,01	0,26	0,20	0,17	-1,2	1,09E-16	36539,0	
hsa-let-7b	-0,09	0,12	0,30	0,23	0,37	-1,3	2,7E-30	24275,7	
hsa-mir-224	0,15	0,06	-0,22	-0,28	-0,17	2,5	0,000139	93,0	
hsa-mir-155	-0,22	-0,02	-0,06	-0,05	-0,11	0,1	1	469,1	
hsa-mir-101-2	-0,31	-0,05	0,03	0,11	0,23	-2,1	2,15E-58	100,2	
hsa-mir-338	-0,31	-0,03	0,00	0,19	0,16	-2,9	7,8E-44	1863,0	
hsa-mir-130b	0,40	-0,04	-0,12	-0,22	-0,27	2,2	3,57E-12	30,8	
hsa-mir-20a	0,10	-0,01	-0,23	-0,15	-0,08	0,4	0,105018	448,4	
hsa-mir-141	0,18	0,02	-0,22	-0,10	-0,20	1,4	6,64E-09	1420,0	
hsa-mir-128-1	0,39	-0,02	-0,10	-0,29	-0,11	0,5	0,015337	113,8	
hsa-mir-193a	-0,21	0,09	0,24	0,06	0,20	-0,5	0,005131	279,3	

**Comments:** Top-40 potential regulating microRNA are presented. The values in each cell represent coefficient of Spearman correlation between gene and microRNA expression level. The bars inside cells (regardless of color) indicate prediction score of microRNA binding site according to several databases (from left to right): miRTarBase (strong experimental evidence), TargetScan (conservative binding sites, CS), PicTar (CS), DIANA microT, mirSVR (CS), TargetScan (non-CS), PicTar (non-CS), miRTarBase (weak experimental evidence), mirSVR (non-CS). Cell borders indicate miRNA-gene pairs with predicted binding site (dashed border – only non-CS sites; double border – several reliable algorithms). On the right side of the figure, expression profiles of microRNAs in paired tumor-

normal samples are presented in logarithmic scale (from -2 to +2, e.g. from 4-fold decrease to 4-fold increase).  
MicroRNAs are sorted by overall prediction score (decreasing).

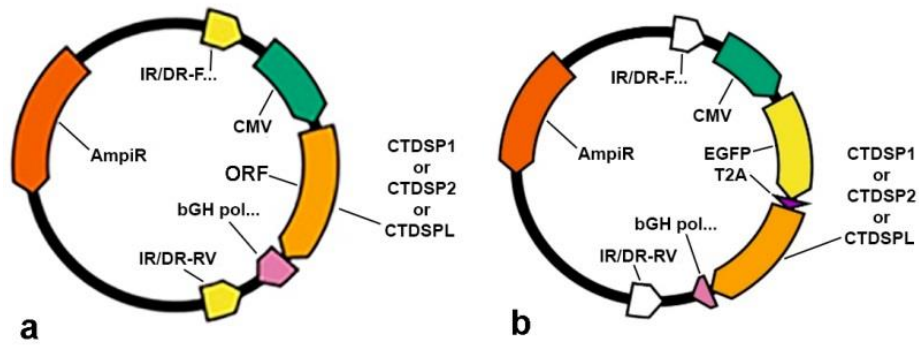
## Figures S1 to S5



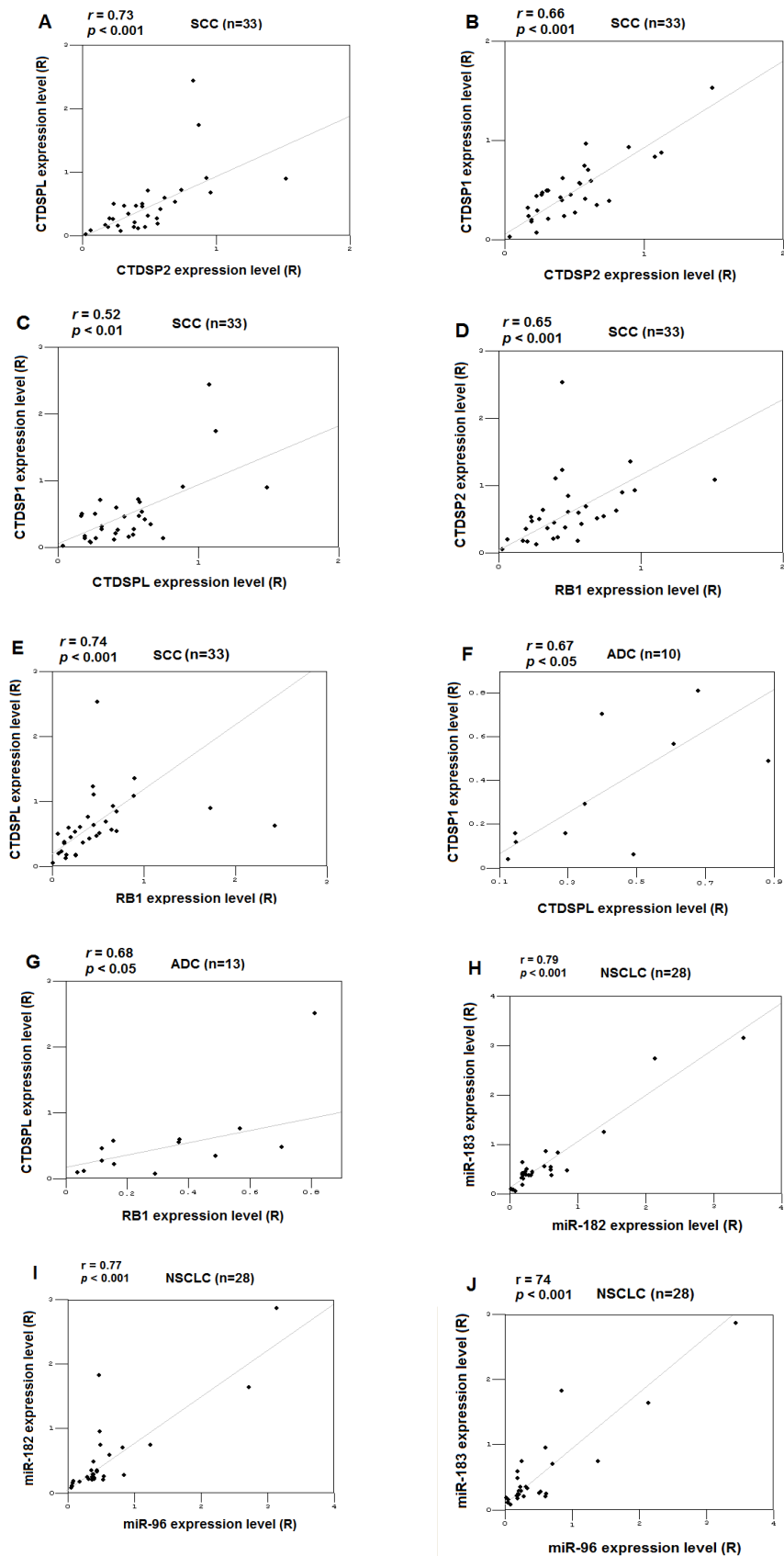
Alignment score: BAD AVG GOOD

**Figure S1. Multiple sequence alignment of the active site regions of CTDSP1/2/L/L2 proteins (performed by T-COFFEE, version 11). Color indicates alignments score (from deep purple to light red). The following UniProt sequences have been used: Q9GZU7 (CTDSP1), O14595 (CTDSP2), O15194 (CTDSPL), Q05D32 (CTDSPL2).**

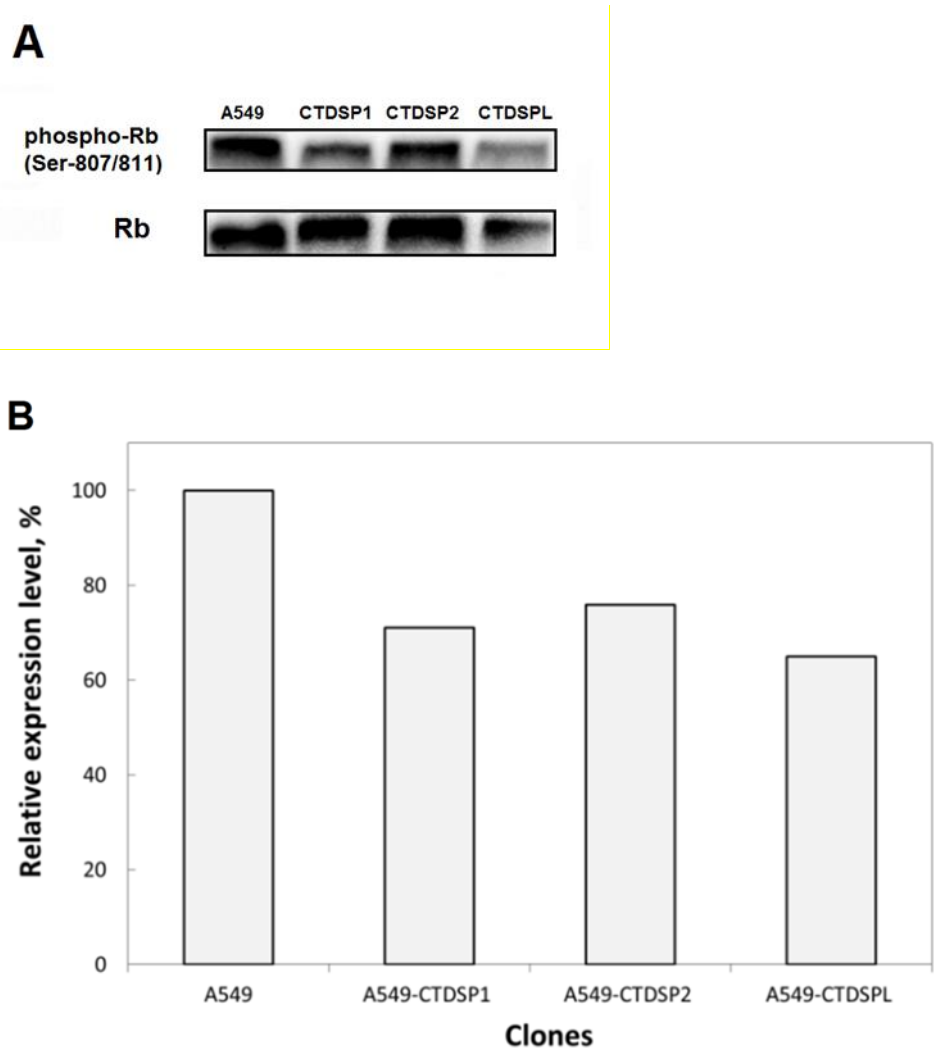




**Figure S2. Plasmid design.** (a) Plasmids pT2/HB-CMV-CTDSP1, -CTDSP2, or -CTDSPL (5168bp, 5201bp, or 5261 bp). IR/DR-FW sequence: 117-347; CMV promoter: 464-1049; open reading frame: 1006-1807, 1006-1840, or 1006-1900 (CTDSP1, CTDSP2, or CTDSPL, accordingly); bGHpA polyadenylation signal: 1834-2037 (+33 or +93 for CTDSP2 or CTDSPL); IR/DR-RV sequence: 2115-2326 (+33, +93 for CTDSP2, CTDSPL); Ampicillin Resistance Gene: 3629-4489 (+33, +93 for CTDSP2, CTDSPL). (b) Scheme of genetic constructs pT2 / HB-CMV-EGFP-2A-CTDSP1 (5951 bp), pT2 / HB-CMV-EGFP-2A-CTDSP2 (5984 bp), and pT2 / HB-CMV-EGFP-2A-CTDSPL (6044 bp).



**Figure S3.** The values of correlation coefficients ( $r_s$ ) between the mRNA levels of CTDSP1/2/L and RB1 genes in primary NSCLC samples: SCC (A-E) and ADC (F, G) and correlation between miR-183, miR-96 and miR-182 expression in NSCLC samples (H-J).



**Figure S4. Alterations in the phosphorylation level of Rb at Ser-807/811 in A549 cells transfected with *CTDSP1*, *CTDSP2*, or *CTDSPL*.** (A) Western blot showing phospho-Rb and total Rb content in selected clones of A549 cells transfected with pT2/HB-CMV-*CTDSP1*, 2, or L. (B) Quantification of Western blot experiment. The plot demonstrates the relative phosphorylation level of Rb at Ser-807/811 in the resulting clones compared with the non-transfected A549 cells. For each clone, the density of the phospho-Rb band was divided by the density of the total Rb band and normalized to the non-transfected A549 value. The measurement of target proteins was carried out twice. Band intensity was determined using ImageJ software.

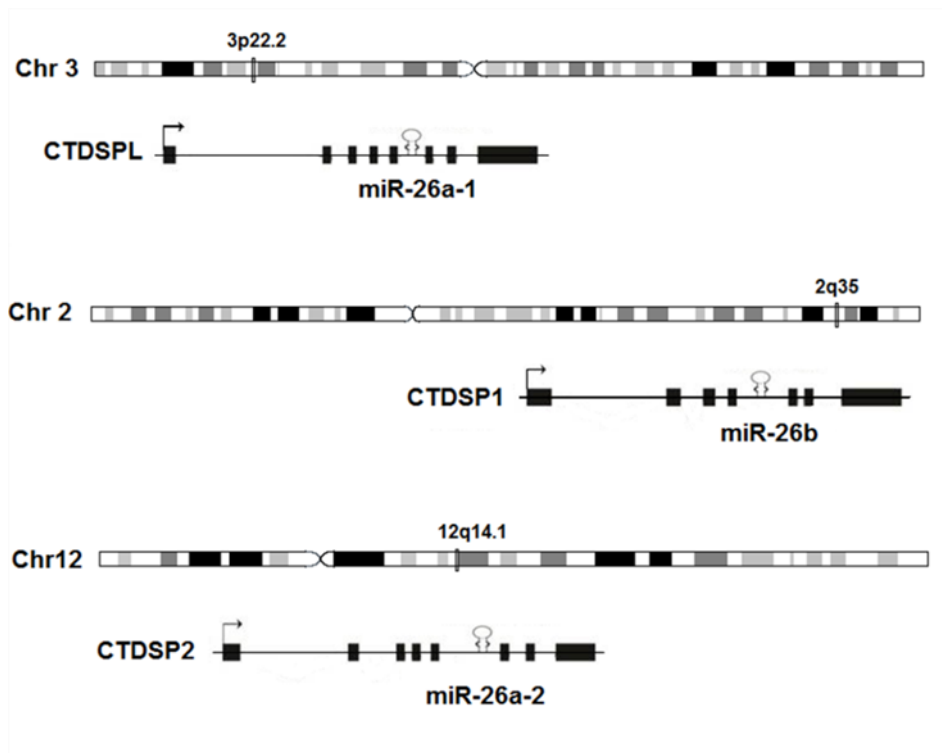


Figure S5. Genomic localization of SCP phosphatases genes and miR26a/b.