

## Regulatory role of miR-142-3p on the functional hepatic cancer stem cell marker CD133

### Supplementary Information

**Supplementary Table 1: Clinicopathological correlation of miR-142-3p expression in HCC.**

Variable	n	HCC		p value
		Low miR-142-3p n (%)	High miR-142-3p n (%)	
<b>Gender</b>				
Male	34	18 (44.4)	16 (55.6)	0.721
Female	9	4 (52.9)	5 (47.1)	
<b>Age</b>				
≥50	24	11 (57.9)	13 (42.1)	0.432
<50	19	11 (45.8)	8 (54.2)	
<b>TNM Stage</b>				
I and II	30	16 (53.3)	14 (46.7)	0.665
III (A, B, C)	13	6 (46.2)	7 (53.8)	
<b>Tumor Number</b>				
1	32	16 (50)	16 (50)	0.795
≥2	11	6 (54.5)	5 (45.5)	
<b>Tumor Size <sup>2</sup></b>				
<5	13	7 (53.8)	6 (46.2)	0.817
≥5	30	15 (50)	15 (50)	
<b>HBV Surface Antigen <sup>1</sup></b>				
Positive	34	18 (52.9)	16 (47.1)	1.000
Negative	8	4 (50)	4 (50)	
<b>Differentiation <sup>1</sup></b>				
Well	3	0 (0)	3 (100)	0.256
Moderate	20	11 (55)	9 (45)	
Poor	19	11 (57.9)	8 (42.1)	
<b>Adjacent Organ Invasion</b>				
Positive	6	1 (16.7)	5 (83.3)	0.095
Negative	37	21 (56.8)	16 (43.2)	
<b>Vascular Invasion</b>				
Yes	8	3 (37.5)	5 (62.5)	0.457
No	35	19 (54.3)	16 (45.7)	
<b>Cirrhosis <sup>1</sup></b>				
No	11	6 (54.5)	5 (45.5)	1.000
Mild	17	9 (52.9)	8 (47.1)	
Moderate	12	6 (50)	6 (50)	
Severe	2	1 (50)	1 (50)	
<b>Capsule</b>				
Complete	12	7 (58.3)	5 (41.7)	0.721
Incomplete	14	6 (42.9)	8 (57.1)	
No	17	9 (52.9)	8 (47.1)	

<sup>1</sup> Partial data not available. Statistics based on available data only.

<sup>2</sup> Measured by the length of the largest tumor nodule.

**Supplementary Table 2: Primer sequences for luciferase reporter assays.**

	<b>Forward Primer (5' – 3')</b>	<b>Reverse Primer (5' – 3')</b>
3'UTR CD133 sense	ATACGCGTAAGGCAACGGCACCA	CGAAGCTTTGTAAACTGGTGTGTGT
3'UTR CD133 antisense	GGAAGCTTAAGGCAACGGCACCA	AAACGCGTTGTAAACTGGTGTGTGT