

Supplementary 1. miR-21 expression in normal bone tissue and osteosarcoma

Groups	n	$2^{-\Delta\Delta Ct}$	χ^2	p value	Group comparison	
					groups	p value
Primary osteosarcoma	26	1.809	12.9	0.014*	Primary vs. Normal	0.037*
Recurrence osteosarcoma	68	6.409			8	Primary vs. Recurrent
Normal tissues	94	0.860			Recurrent vs. Normal	0.014*

Note: *p<0.05.

Supplementary 2. miR-221 expression in normal bone tissue and osteosarcoma

Group	n	$2^{-\Delta\Delta Ct}$	χ^2	p value	Group comparison	
					Group	p value
Primary osteosarcoma	26	2.906	9.85	0.037*	Primary vs. Normal	0.031*
Recurrent osteosarcoma	68	5.436			Primary vs. Recurrent	0.023*
Normal bone tissues	94	1.043			Recurrent vs. Normal	0.012*

Note: *p<0.05.

Supplementary 3. miR-143 expression in normal bone tissue and osteosarcoma

Groups	n	$2^{-\Delta\Delta Ct}$	χ^2	p value	Group comparison	
					Groups	p value
Primary osteosarcoma	26	0.483			Primary vs. Normal	0.006*
Recurrent osteosarcoma	68	0.593	12.74	0.044*	Primary vs. Recurrent	0.389
Normal tissues	94	4.867			Recurrent vs. Normal	0.009*

Note: * p<0.05.

Supplementary 4. miR-106a expression in normal bone tissue and osteosarcoma

Groups	n	$2^{-\Delta\Delta Ct}$	χ^2	p value	Group comparison	
					Groups	p value
Primary osteosarcoma	26	1.561			Primary vs. Normal	0.033*
Recurrent osteosarcoma	68	1.684	14.26	0.039*	Primary vs. Recurrent	0.473
Normal tissues	94	0.699			Recurrent vs. Normal	0.028*

Note: *p<0.05