

Figure S1. Human mesenchymal stem cells (hMSCs) transfected with agomiR-193a-3p which is labeled by cy3-fluorescence.

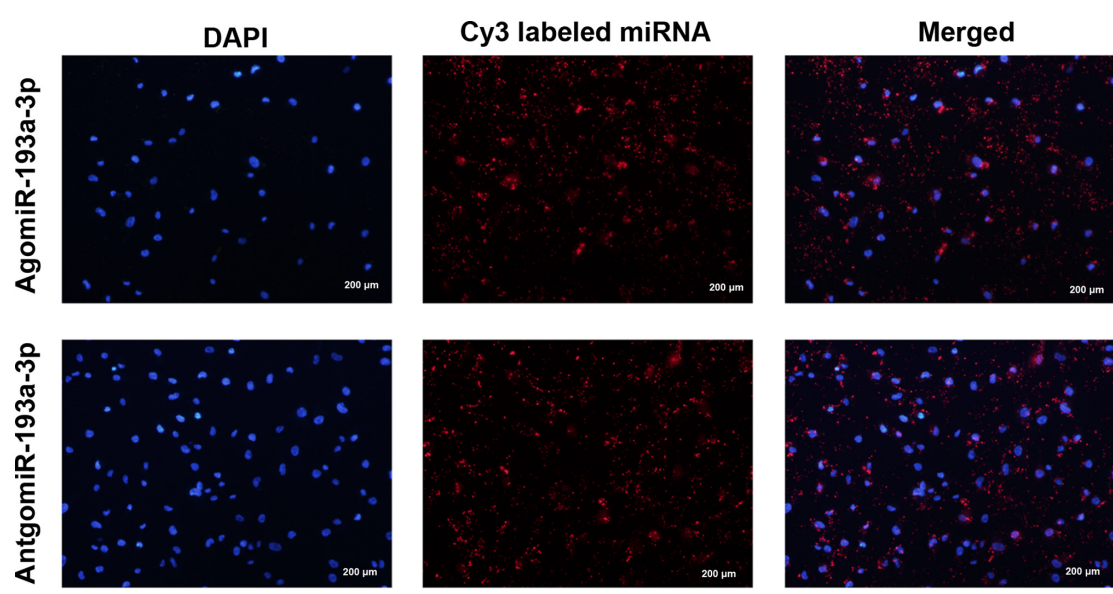


Figure S2. miR-193a-3p expression was measured in bone tissue from mice by reverse transcription-quantitative PCR after injection with PBS, agomiR-193a-3p, or antagomiR-193a-3p. **P<0.01. miR/miRNA, microRNA.

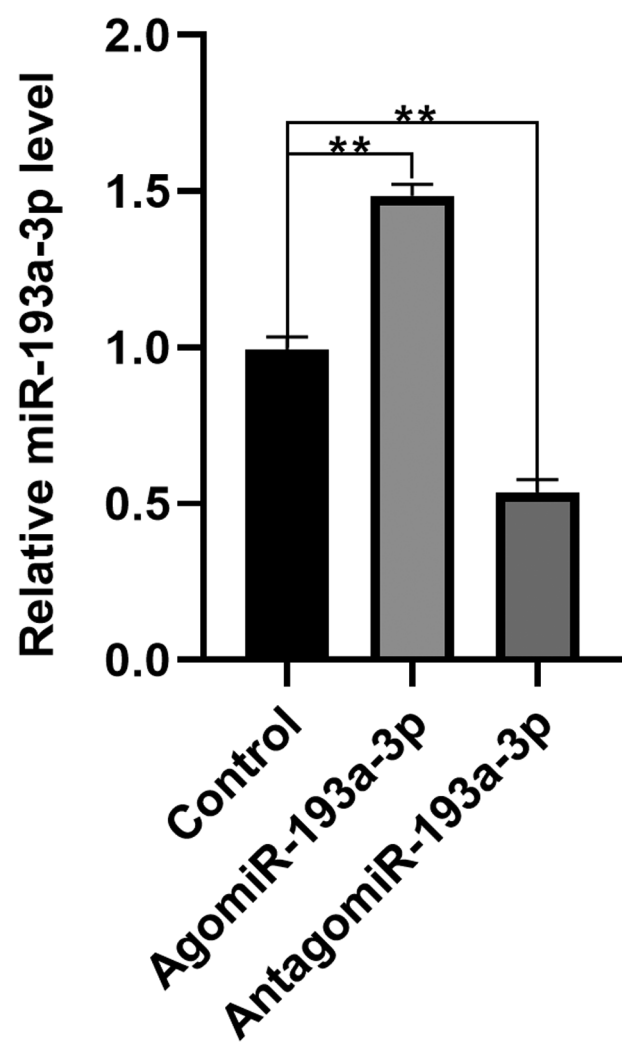


Table SI. Characteristics of the included patients.

Group	Sex	Age	Fracture site	Ethnic	Concomitant with TBI	Concomitant with diabete	Multiple fracture
Volunteer							
1	Female	46	-	Han	-	-	-
2	Female	53	-	Han	-	-	-
3	Male	57	-	Han	-	-	-
4	Male	49	-	Han	-	-	-
5	Male	51	-	Han	-	-	-
6	Female	55	-	Han	-	-	-
Union							
1	Male	56	Femur	Han	None	None	None
2	Male	53	pelvic	Han	None	None	None
3	Female	51	Tibia	Han	None	None	None
4	Male	59	Femur	Han	None	None	None
5	Female	51	Femur	Han	None	None	None
6	Female	47	Radius	Han	None	None	None
Nonunion							
1	Male	46	Femur	Han	None	None	None
2	Female	59	Tibia	Han	None	None	None
3	Female	57	Tibia	Han	None	None	None
4	Male	59	humerus	Han	None	None	None
5	Male	47	Femur	Han	None	None	None
6	Male	55	Clavicle	Han	None	None	None

TBI, Traumatic brain injury.