

Table S1. SOR@Nio VS SOR@Nio/HA gene expression data

Gene	Type	Expression	Std. Error	95% C.I.	P(H1)	Result
B2M	REF	1				
COX-2	TRG	0.886	0.706 - 1.127	0.641 - 1.229	0.321	
MMP9	TRG	0.383	0.287 - 0.534	0.239 - 0.621	0.169	
BAX	TRG	3.031	1.711 - 5.475	1.520 - 6.078	0	UP
BCL-2	TRG	0.038	0.026 - 0.056	0.026 - 0.056	0	DOWN
TNF- $\alpha$	TRG	4.485	2.401 - 9.140	1.835 - 11.240	0	UP

Table S2. Primers and Their Sequences Used in the Real-Time PCR.

Reverse Primer (5'→3')	Forward Primer (5'→3')	Gene ID	Gene
CCAATCCAAATGCGGCATCTTCA	CCACTGAAAAAGATGAGTATGCCT	567	B2M
GCAAACCGTAGATGCTCAGGGA	CGGTGAAACTCTGGCTAGACAG	5743	COX-2
CCCTCAGAGAATCGCCAGTACT	GCCACTACTGTGCCTTTGAGTC	4318	MMP9
TGTGTCCACGGCGGCAATCATC	TCAGGATGCGTCCACCAAGAAG	581	BAX
GCCAGGAGAAATCAAACAGAGGC	ATCGCCCTGTGGATGACTGAGT	596	BCL-2
ATGGGCTACAGGCTTGCTCACTC	CTCTTCTGCCTGCTGCACTTTG	7124	TNF- $\alpha$