

## Supplemental Table 1

### Primers for bisulfate converted promoter region of the human NOS2 region

	Primer	Location *	Assays
Human 1 Outer	ATTGTATTTTAGGTATTATAAGGAA	Forward -1071 to -1048	Bisulfite Sequencing
	TTTTTAAAATAAAATCTCATTCTATC	Reverse -748 to -772	
Inner	AGGTATTATAAGGAATGAAATTATA	Forward -1061 to -1037	Bisulfite Sequencing
	TAAAATCTCATTCTATCACCAAAA	Reverse -757 to -780	
Human 2 Outer	TTGTTGAGGAAAAAATTTTTAGAT	Forward -358 to -334	Bisulfite Sequencing
	TTTCTAATCCCAAATCCAAAATAA	Reverse -225 to -248	
Inner	AAAAATTTTTAGATGTTGAAAGTG	Forward -348 to -324	Bisulfite Sequencing
	AAATCCAAAATAACAATTCATCAA	Reverse -236 to -259	
Human 3 Outer	GTATAAATTTTTTTGGTTGTTAGT	Forward -31 to -7	Bisulfite Sequencing
	AAAAAATCCCACAATTTTCTAAA	Reverse +283 to +260	
Inner	GGTTGTTAGTGTGTTTATAATTTT	Forward -16 to +8	Bisulfite Sequencing
	CAATTTTCTAAACCTTCTCAAAA	Reverse +271 to +248	

Primers for bisulfite-converted promoter region of the human NOS2 gene

\*Location relative to the beginning of the 1st exon

### Primers for bisulfate converted promoter region of the mouse NOS2 region

	Primer	Location *	Assays
Mouse 1 Outer	GTAAATATTTTATTTTATAATGGAAA	Forward -962 to -937	Bisulfite Sequencing
	TAAAATTATAATATCCTACCTAAATA	Reverse -706 to 731	
Inner	ATAATGGAAAATTTTATGTTATGTG	Forward -945 to -921	Bisulfite Sequencing
	TACCTAAATATAATAACATAAACCT	Reverse -722 to -746	
Mouse 2 Outer	TTAGTATAGTTTATTATTATTTTGT	Forward -554 to -528	Bisulfite Sequencing
	CCTAACTTACAACCTACTAAAAAAT	Reverse -321 to -345	
Inner	ATTATTTTGTAAAGTTGATTATTA	Forward -537 to -512	Bisulfite Sequencing
	TTACAACCTACTAAAAAATTTTATTCT	Reverse -328 to -353	
Mouse 3 Outer	AGAATAAAATTTTTAGTAGTTGTAA	Forward -353 to -328	Bisulfite Sequencing
	ACTTAATTACATCACTCTATAATAT	Reverse -170 to -194	
Inner	ATTTTTTAGTAGTTGTAAGTTAGG	Forward -345 to -321	Bisulfite Sequencing
	TCTATAATATATCCTCATACAAAA	Reverse -184 to -208	
Mouse 4 Outer	TTGTTAGGGTTATAATTTTATAGG	Forward -44 to -20	Bisulfite Sequencing
	TAAACTTTCCCAAACAAAAAACA	Reverse 196 to 173	
Inner	TATAATTTTATAGGGAGTTGAAGA	Forward -34 to -11	Bisulfite Sequencing
	AACAAAAAACACTCCTAAAAACA	Reverse 184 to 161	
Mouse 5 Outer	AAGGTGTAAGAAGTATATTTATAG	Forward 265 to 287	Bisulfite Sequencing
	ATCTTATCAAATCTAAATAAAACAAA	Reverse 480 to 455	
Inner	TAAGAAGTATATTTATAGAAGGGT	Forward 271 to 294	Bisulfite Sequencing
	TCTAAATAAAACAAAAACACATCT	Reverse 464 to 445	

Primers for bisulfite-converted promoter region of the murine NOS2 gene

\*Location relative to the beginning of the 1st exon

## Supplemental Table 2

### Primers for mouse chromatin accessibility and ChIP assays

Gene	Primer	Location *	Assays
NOS2	CCACTATTCTGCCCAAGCTGACT	Forward -541 to -516	ChIP, Chromatin Accessibility
	ATGGTGCCAATATTCCAACACGCC	Reverse -425 to -401	
	AGGAGTGTCTTCTGCTGGGAAA	Forward +167 to +191	ChIP, Chromatin Accessibility
	TGGGTGTGCTTCTTACACCTTCCA	Reverse +262 to +286	
ICAM1	GAAATACCGAAGCCCTCGTTC	Forward -103 to -82	ChIP, Chromatin Accessibility
	TAGCACTGGGTGCAGACT	Reverse +15 to +33	
HBB	GACCCAGCGGTACTTTGATA	Forward +284 to +303	ChIP, Chromatin Accessibility
	GGCAGTTATCACTTCTTGCC	Reverse +362 to +383	
TNF $\alpha$	GATGGAGAAGAAACCGAGACAG	Forward -170 to -151	ChIP, Chromatin Accessibility
	CTCTCATTCAACCCTCGGAAA	Reverse -88 to -68	
GAPDH	TCTCTGCTCCTCCCTGTT	Forward -20 to -3	ChIP, Chromatin Accessibility
	CTTCCCAGTTTCCGACTGT	Reverse +67 to +86	
	TTCCACTCTGAAGAACATGAGATAG	Forward +2059 to +2083	ChIP, Chromatin Accessibility
	CCAATACGGCCAAATCTGAAAG	Reverse +2141 to +2162	

### Primers for human chromatin accessibility and ChIP assays

Gene	Primer	Location *	Assays
NOS2	GGCCATGTGGCTTGCCAAATAAAA	Forward -322 to -297	ChIP, Chromatin Accessibility
	ATCACTCTGTGTGGTGCCTCTTCA	Reverse -211 to -187	
	CAGAGAACTCAGCCTCATTCC	Forward +38 to +59	ChIP
	TGAGAACTTCGGGACTGTCTA	Reverse +107 to +128	
	GACAGTCCCGAAGTTCTCAA	Forward +109 to +130	ChIP, Chromatin Accessibility
	CCAGAAATGAAGGCAACTCAC	Reverse +192 to +212	
ICAM1	CCTGGAGTCTCAGTTTACCGCTTT	Forward -119 to -95	ChIP, Chromatin Accessibility
	CAGGCTAAGCTTGAATCACGGTCT	Reverse -11 to -13	
HBB	ATATCTTAGAGGGAGGGCTGAG	Forward -198 to -176	Chromatin Accessibility
	AGGGTGAGGTCTAAGTGATGA	Reverse -118 to -99	
	CAAGGTGAACGTGGATGAAGT	Forward +51 to +72	ChIP
	CTCCACATGCCAGTTTCTATT	Reverse +180 to +201	
TNF $\alpha$	GGACACCATGAGCACTGAAA	Forward +163 to +183	ChIP, Chromatin Accessibility
	AAGGAGAAGAGGCTGAGGAA	Reverse 263 to 283	
GAPDH	CAGTCAGCCGCATCTTCTTT	Forward +23 to +47	ChIP
	CCTTCAGGCCGTCCTTA	Reverse +103 to +130	
	CGGGAGGCGGGTCCGAGTACCCGC	Forward +88 to +105	Chromatin Accessibility
	GGCTGACTGTGCAACAGGAGGAGCA	Reverse +154 to +172	