

Table S1. Sequencing Data Statistics Table.

Samples	Clean reads	Clean bases	GC Content	%≥Q30
B1	21,869,054	6,539,707,866	50.33%	95.92%
B2	22,983,993	6,875,793,766	49.66%	95.72%
B3	21,493,189	6,413,898,484	49.05%	95.56%
Y1	18,634,867	5,572,545,160	49.03%	94.97%
Y2	18,886,611	5,647,898,122	49.17%	95.17%
Y3	20,151,087	6,025,189,898	48.77%	94.99%

Table S2. The gene specific primers of RT-qPCR.

Gene name	Sequences (5'-3')	ID	Product
			Length (bp)
HMOX1	F: TCCAGCTCTTTGAGGAGTTGC R: CTGAGTGTAAGGACCCATCGG	ENSG00000100292	193
TXNRD1	F: CGCTGGATTCTTGCTGGTAT R: TGTCCCTGCTTCAATTTGTTT	ENSG00000198431	175
GCLC	F: ACAGCCCTACGGAGGAACAAT R: GGACAGCCTAATCTGGGAAAT	ENSG00000001084	138
NQO1	F: CGACCTTGTGATATTCCAGTTCC R: CTTTGTTCATACATGGCAGCGT	ENSG00000181019	122
GCLM	F: GTCAGGGAGTTTCCAGATGTC R: TCAATAGGAGGTGAAGCAATG	ENSG00000023909	212
GADPH	F: GACAGTCAGCCGCATCTTCT R: GCGCCCAATACGACCAAATC	ENSG00000111640	196

Table S3. Antibody information.

Supplier	Catalog No.	Product Description
Abcam	ab68477	Anti-Heme Oxygenase 1antibody
Abcam	ab80588	Anti-NQO1antibody
CST	4970T	β-Actin
Asbio	as006	the secondary antibody