

## Supplemental Information

**S1 Table. List of all oxidative stress and antioxidant PCR primer targets on the PCR array.**  
Red genes represent targets that are not expressed in CD8+ T cells.

<b>ALB</b>	Albumin	<b>GLRX2</b>	Glutaredoxin 2	<b>MTL5</b>	Metallothionein-like 5, testis-specific (tesmin)	<b>PTGS1</b>	Prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)
<b>ALOX12</b>	Arachidonate 12-lipoxygenase	<b>GPR156</b>	G protein-coupled receptor 156	<b>NCF1</b>	Neutrophil cytosolic factor 1	<b>PTGS2</b>	Prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)
<b>ANGPTL7</b>	Angiotensin-like 7	<b>GPX1</b>	Glutathione peroxidase 1	<b>NCF2</b>	Neutrophil cytosolic factor 2	<b>PXDN</b>	Peroxidasin homolog (Drosophila)
<b>AOX1</b>	Aldehyde oxidase 1	<b>GPX2</b>	Glutathione peroxidase 2 (gastrointestinal)	<b>NME5</b>	Non-metastatic cells 5, protein expressed in (nucleoside-diphosphate kinase)	<b>PXDNL</b>	Peroxidasin homolog (Drosophila)-like
<b>APOE</b>	Apolipoprotein E	<b>GPX3</b>	Glutathione peroxidase 3 (plasma)	<b>NOS2</b>	Nitric oxide synthase 2, inducible	<b>RNF7</b>	Ring finger protein 7
<b>ATOX1</b>	ATX1 antioxidant protein 1 homolog (yeast)	<b>GPX4</b>	Glutathione peroxidase 4 (phospholipid hydroperoxidase)	<b>NOX5</b>	NADPH oxidase, EF-hand calcium binding domain 5	<b>SCARA3</b>	Scavenger receptor class A, member 3
<b>BNIP3</b>	BCL2/adenovirus E1B 19kDa interacting protein 3	<b>GPX5</b>	Glutathione peroxidase 5 (epididymal androgen-related protein)	<b>NUDT1</b>	Nudix (nucleoside diphosphate linked moiety X)-type motif 1	<b>SELS</b>	Selenoprotein S
<b>CAT</b>	Catalase	<b>GPX6</b>	Glutathione peroxidase 6 (olfactory)	<b>OXR1</b>	Oxidation resistance 1	<b>SEPP1</b>	Selenoprotein P, plasma, 1
<b>CCL5</b>	Chemokine (C-C motif) ligand 5	<b>GPX7</b>	Glutathione peroxidase 7	<b>OXSR1</b>	Oxidative-stress responsive 1	<b>SFTPD</b>	Surfactant protein D
<b>CCS</b>	Copper chaperone for superoxide dismutase	<b>GSR</b>	Glutathione reductase	<b>PDLIM1</b>	PDZ and LIM domain 1	<b>SGK2</b>	Serum/glucocorticoid regulated kinase 2
<b>CSDE1</b>	Cold shock domain containing E1, RNA-binding	<b>GSS</b>	Glutathione synthetase	<b>IPCEF1</b>	Interaction protein for cytohesin exchange factors 1	<b>SIRT2</b>	Sirtuin 2
<b>CYBA</b>	Cytochrome b-245, alpha	<b>GSTZ1</b>	Glutathione transferase zeta 1	<b>PNKP</b>	Polynucleotide kinase 3'-phosphatase	<b>SOD1</b>	Superoxide dismutase 1, soluble

	polypeptide						
<b>CYGB</b>	Cytoglobin	<b>GTF2I</b>	General transcription factor III	<b>PRDX1</b>	Peroxiredoxin 1	<b>SOD2</b>	Superoxide dismutase 2, mitochondrial
<b>DGKK</b>	Diacylglycerol kinase, kappa	<b>KRT1</b>	Keratin 1	<b>PRDX2</b>	Peroxiredoxin 2	<b>SOD3</b>	Superoxide dismutase 3, extracellular
<b>DHCR24</b>	24-dehydrocholesterol reductase	<b>LPO</b>	Lactoperoxidase	<b>PRDX3</b>	Peroxiredoxin 3	<b>SRXN1</b>	Sulfiredoxin 1
<b>DUOX1</b>	Dual oxidase 1	<b>MBL2</b>	Mannose-binding lectin (protein C) 2, soluble	<b>PRDX4</b>	Peroxiredoxin 4	<b>STK25</b>	Serine/threonine kinase 25
<b>DUOX2</b>	Dual oxidase 2	<b>MGST3</b>	Microsomal glutathione S-transferase 3	<b>PRDX5</b>	Peroxiredoxin 5	<b>TPO</b>	Thyroid peroxidase
<b>DUSP1</b>	Dual specificity phosphatase 1	<b>MPO</b>	Myeloperoxidase	<b>PRDX6</b>	Peroxiredoxin 6	<b>TTN</b>	Titin
<b>EPHX2</b>	Epoxide hydrolase 2, cytoplasmic	<b>MPV17</b>	MpV17 mitochondrial inner membrane protein	<b>PREX1</b>	Phosphatidylinositol -3,4,5-trisphosphate-dependent Rac exchange factor 1	<b>TXNDC2</b>	Thioredoxin domain containing 2 (spermatozoa)
<b>EPX</b>	Eosinophil peroxidase	<b>MSRA</b>	Methionine sulfoxide reductase A	<b>PRG3</b>	Proteoglycan 3	<b>TXNRD1</b>	Thioredoxin reductase 1
<b>FOXM1</b>	Forkhead box M1	<b>MT3</b>	Metallothionein 3	<b>PRNP</b>	Prion protein	<b>TXNRD2</b>	Thioredoxin reductase 2