

S5 Table: Expression levels of iron related genes in CD8⁺ T lymphocytes from *Hfe* knockout and wild type C57BL/6 mice. The relative levels of expression are highlighted by colour grading according to normalized expression values. The significance of the differential expression values is indicated by the *p* value of T-test.

Gene	Protein	Normal Iron Diet		<i>p</i> value
		<i>Hfe</i> ^{-/-}	C57BL/6	
Iron storage				
<i>Ftl1</i>	Ferritin L Chain			ns
<i>FtH</i>	Ferritin Heavy chain			ns
<i>Hmox1</i>	Heme oxygenase			ns
Iron transport				
<i>Slc25a37</i>	Mitoferrin			ns
<i>Slc11a2</i>	Dimetal transporter1			ns
<i>Lcn2</i>	Lipocalin2			0.0016
<i>Sfxn2</i>	Sideroflexin2			ns
<i>Slc40a1</i>	Ferroportin			ns
<i>Abcg2</i>	Bcrp			ns
Receptors				
<i>Tfrc</i>	Transferrin receptor			ns
<i>Lrp1</i>	LRP/CD91			ns
Regulators				
<i>Smad4</i>	Smad4			ns
<i>Smad7</i>	Smad7			ns
<i>Usf2</i>	Usf2			ns
<i>Hamp2</i>	Hepcidin 2			ns
<i>Fxn</i>	Frataxin			ns
<i>Ireb2</i>	IRP2			ns
<i>BMP6</i>	BMP6			ns
<i>BMP9</i>	BMP9			ns
<i>Hamp1</i>	Hepcidin 1			ns
<i>Hfe2</i>	HJV			ns
<i>Hfe</i>	HFE			ns
Oxidoreductases				
<i>Cybrd1</i>	Dcytb			ns

- No expression (< 5 normalized gene expression value)
- low expression ([5 a 7] normalized gene expression value)
- medium expression([7 a 9] normalized gene expression value)
- high expression(>9 normalized gene expression value)