

S3 Table: Genes up and down regulated in *Hfe* knockout CD8⁺ T lymphocytes in comparison with C57BL/6 mice under high iron diet condition

Transcripts ID	Gene abbreviation	Gene name	Fold Change	p-value	Gene ID
10493831	S100a8	S100 calcium binding protein A8 (calgranulin A)	34,58	0,00	20201
10499861	S100a9	S100 calcium binding protein A9 (calgranulin B)	29,21	0,00	20202
10362674	Rnu3a	U3A small nuclear RNA	9,10	0,00	19850
10435497	Stfa2l1	stefin A2 like 1	6,49	0,05	268885
10436100	Retnlg	resistin like gamma	6,36	0,00	245195
10456005	Cd74	CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated)	3,71	0,05	16149
10551883	Tyrobp	TYRO protein tyrosine kinase binding protein	3,48	0,00	22177
10399428	Snord118	small nucleolar RNA, C/D box 118	3,25	0,00	100216530
10377429	Snord118	small nucleolar RNA, C/D box 118	3,25	0,00	100216530
10383756	Ifitm2	interferon induced transmembrane protein 2	3,18	0,01	80876
10569017	Ifitm3	interferon induced transmembrane protein 3	3,18	0,03	66141
10379727	Gm11428	predicted gene 11428	2,89	0,02	100034251
10444291	H2-Ab1	histocompatibility 2, class II antigen A, beta 1	2,77	0,03	14961
10551025	Cd79a	CD79A antigen (immunoglobulin-associated alpha)	2,74	0,04	12518
10550509	Pglyrp1	peptidoglycan recognition protein 1	2,65	0,01	21946
10539577	Spr	sepiapterin reductase	2,60	0,04	20751
10583286	Gpr83	G protein-coupled receptor 83	2,58	0,04	14608
10545014	Vopp1	vesicular, overexpressed in cancer, prosurvival protein 1	2,51	0,03	232023
10548333	Cd69	CD69 antigen	2,49	0,00	12515
10360070	Fcer1g	Fc receptor, IgE, high affinity I, gamma polypeptide	2,46	0,00	14127
10427908	Gm9948	predicted gene 9948	2,45	0,02	791293
10553299	Ifitm2	interferon induced transmembrane protein 2	2,42	0,02	80876
10344799	Cssp1	centrosome and spindle pole associated protein 1	2,42	0,02	211660
10527638	Alox5ap	arachidonate 5-lipoxygenase activating protein	2,40	0,01	11690
10368508	2610036L11Rik	RIKEN cDNA 2610036L11 gene	2,38	0,02	66311
10397536	Gm4005	predicted gene 4005	2,37	0,02	100042747
10588223	Anapc13	anaphase promoting complex subunit 13	2,36	0,01	69010
10493820	S100a6	S100 calcium binding protein A6 (calcylin)	2,36	0,00	20200
10364293	Ube2g2	ubiquitin-conjugating enzyme E2G 2	2,28	0,04	22213
10473250	Mrpl18	mitochondrial ribosomal protein L18	2,21	0,02	67681
10569014	Ifitm2	interferon induced transmembrane protein 2	2,21	0,01	80876
10437963	Fam128b	family with sequence similarity 128, member B	2,19	0,00	72083
10590298	Eif1b	eukaryotic translation initiation factor 1B	2,18	0,01	68969
10452110	2410015M20Rik	RIKEN cDNA 2410015M20 gene	2,16	0,01	224904
10603833	Usmg5	upregulated during skeletal muscle growth 5	2,14	0,02	66477
10542156	Clec2d	C-type lectin domain family 2, member d	2,14	0,01	93694
10392142	Cd79b	CD79B antigen	2,12	0,01	15985
10412211	Gzma	granzyme A	2,11	0,00	14938
10514466	Jun	jun proto-oncogene	2,11	0,01	16476
10575961	Usp10	ubiquitin specific peptidase 10	2,10	0,01	22224
10356999	Prdx2	peroxiredoxin 2	2,09	0,04	21672
10517336	Clic4	chloride intracellular channel 4 (mitochondrial)	2,08	0,02	29876
10440918	Tmem50b	transmembrane protein 50B	2,07	0,04	77975
10362896	Cd24a	CD24a antigen	2,05	0,01	12484
10565081	Timm17a	translocase of inner mitochondrial membrane 17a	2,03	0,00	21854
10576391	Rab4a	RAB4A, member RAS oncogene family	1,99	0,03	19341
10416950	Mir18	microRNA 18	1,98	0,03	387135
10605943	Pdzd11 Kif4	PDZ domain containing 11 kinesin family member 4	1,97	0,01	72621 16571
10604019	1810037I17Rik	RIKEN cDNA 1810037I17 gene	1,97	0,05	67704
10574151	Nlr5	NLR family, CARD domain containing 5	1,96	0,02	434341
10396862	Actn1 Strm	actinin, alpha 1 striamin	1,93	0,01	109711
10468287	Usmg5	upregulated during skeletal muscle growth 5	1,92	0,03	66477
10414958	Tcra-V8	T-cell receptor alpha, variable 8	1,92	0,04	100043322
10450814	Ppp1r11	protein phosphatase 1, regulatory (inhibitor) subunit 11	1,91	0,05	76497
10487476	1500011K16Rik	RIKEN cDNA 1500011K16 gene	1,91	0,01	67885

10490221	Atp5e	ATP synthase, H+ transporting, mitochondrial F1 complex, epsilon subunit	1,91	0,02	67126
10371002	Lsm7	LSM7 homolog, U6 small nuclear RNA associated (<i>S. cerevisiae</i>)	1,90	0,05	66094
10430778	Phf5a	PHD finger protein 5A	1,90	0,03	68479
10345183	Cdk10	cyclin-dependent kinase 10	1,89	0,01	234854
10349648	Ctse	cathepsin E	1,88	0,04	13034
10603837	Ndufb11	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 11	1,87	0,02	104130
10492757	Plrg1	pleiotropic regulator 1, PRL1 homolog (<i>Arabidopsis</i>)	1,87	0,02	53317
10416199	Entpd4	ectonucleoside triphosphate diphosphohydrolase 4	1,86	0,04	67464
10512901	Mrpl50	mitochondrial ribosomal protein L50	1,85	0,00	28028
10450640	Mrps18b	mitochondrial ribosomal protein S18B	1,85	0,00	66973
10449356	AI413582	expressed sequence AI413582	1,83	0,03	106672
10373577	Ormdl2 Dnajc14	ORM1-like 2 (<i>S. cerevisiae</i>) DnaJ (Hsp40) homolog, subfamily C, member 14	1,83	0,02	66844 74330
10366043	Dusp6	dual specificity phosphatase 6	1,81	0,04	67603
10548333	Cd69	CD69 antigen	-2,49	0,00	12515
10396862	Actn1 Strm	actinin, alpha 1 striamin	-1,93	0,01	109711 20904
10542156	Clec2d	C-type lectin domain family 2, member d	-2,14	0,01	93694
10345183	Cdk10	cyclin-dependent kinase 10	-1,89	0,01	234854
10575961	Usp10	ubiquitin specific peptidase 10	-2,10	0,01	22224
10574151	Nlrc5	NLR family, CARD domain containing 5	-1,96	0,02	434341
10344799	Cspp1	centrosome and spindle pole associated protein 1	-2,42	0,02	211660
10397536	Gm4005	predicted gene 4005	-2,37	0,02	100042747
10583286	Gpr83	G protein-coupled receptor 83	-2,58	0,04	14608
10416950	Mir18	microRNA 18	-1,98	0,03	387135
10416199	Entpd4	ectonucleoside triphosphate diphosphohydrolase 4	-1,86	0,04	67464