Supplementary file S1

Original and Bonferroni corrected p-values.

Histology - Original P values.

NUCLEI	Wt Healthy	Wt Cuprizone	-/+ Healthy	-/+ Cuprizone	-/- Healthy	-/- Cuprizone
Wt Healthy		< 0.0001	0.0328	< 0.0001	0.0063	0.0153
Wt Cuprizone	< 0.0001		< 0.0001	0.7049	< 0.0001	< 0.0001
-/+ Healthy	0.0328	< 0.0001		< 0.0001	0.5885	0.3664
-/+ Cuprizone	< 0.0001	0.7049	< 0.0001		< 0.0001	< 0.0001
-/- Healthy	0.0063	< 0.0001	0.5885	< 0.0001		0.5314
-/- Cuprizone	0.0153	< 0.0001	0.3664	< 0.0001	0.5314	
MICROGLIA	**Wt Healthy**	**Wt Cuprizone**	**-/+ Healthy**	**-/+ Cuprizone**	**-/- Healthy**	**-/- Cuprizone**
Wt Healthy		< 0.0001	0.2002	< 0.0001	0.1389	0.3289
Wt Cuprizone	< 0.0001		< 0.0001	0.6503	< 0.0001	< 0.0001
-/+ Healthy	0.2002	< 0.0001		<0.0001	0.7474	0.0222
-/+ Cuprizone	< 0.0001	0.6503	< 0.0001		< 0.0001	< 0.0001
-/- Healthy	0.1389	< 0.0001	0.7474	< 0.0001		0.0132
-/- Cuprizone	0.3289	< 0.0001	0.0222	< 0.0001	0.0132	
CC1	**Wt Healthy**	**Wt Cuprizone**	**-/+ Healthy**	**-/+ Cuprizone**	**-/- Healthy**	**-/- Cuprizone**
Wt Healthy		< 0.0001	0.0848	< 0.0001	< 0.0001	< 0.0001
Wt Cuprizone	< 0.0001		< 0.0001	0.4661	< 0.0001	< 0.0001
-/+ Healthy	0.0848	< 0.0001		< 0.0001	0.5257	0.0483
-/+ Cuprizone	< 0.0001	0.4661	< 0.0001		< 0.0001	0.0004
-/- Healthy	< 0.0001	< 0.0001	0.5257	< 0.0001		0.0529
-/- Cuprizone	< 0.0001	< 0.0001	0.0483	0.0004	0.0529	
MBP	**Wt Healthy**	**Wt Cuprizone**	**-/+ Healthy**	**-/+ Cuprizone**	**-/- Healthy**	**-/- Cuprizone**
Wt Healthy		< 0.0001	0.0316	< 0.0001	< 0.0001	< 0.0001
Wt Cuprizone	< 0.0001		< 0.0001	0.0703	< 0.0001	< 0.0001
-/+ Healthy	0.0316	< 0.0001		< 0.0001	0.0013	< 0.0001
-/+ Cuprizone	< 0.0001	0.0703	< 0.0001		< 0.0001	< 0.0001
-/- Healthy	< 0.0001	< 0.0001	0.0013	< 0.0001		< 0.0001
-/- Cuprizone	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	
S100β	**Wt Healthy**	**Wt Cuprizone**	**-/+ Healthy**	**-/+ Cuprizone**	**-/- Healthy**	**-/- Cuprizone**
Wt Healthy		0.0018	0.2979	0.0001	0.3514	0.0374
Wt Cuprizone	0.0018		0.0123	0.3826	0.0010	0.0085
-/+ Healthy	0.2979	0.0123		0.0011	0.1380	0.9494
-/+ Cuprizone	0.0001	0.3826	0.0011		< 0.0001	0.0007
-/- Healthy	0.3514	0.0010	0.1380	< 0.0001		0.0425
-/- Cuprizone	0.0370	0.0085	0.9494	0.0007	0.0425	
GFAP	**Wt Healthy**	**Wt Cuprizone**	**-/+ Healthy**	**-/+ Cuprizone**	**-/- Healthy**	**-/- Cuprizone**
Wt Healthy		< 0.0001	0.0101	< 0.0001	0.3242	0.1070
Wt Cuprizone	< 0.0001		< 0.0001	0.0760	< 0.0001	< 0.0001
-/+ Healthy	0.0101	< 0.0001		< 0.0001	0.1805	0.0003
-/+ Cuprizone	< 0.0001	0.0760	< 0.0001		< 0.0001	< 0.0001
-/- Healthy	0.3242	< 0.0001	0.1805	< 0.0001		0.0208
-/- Cuprizone	0.1070	< 0.0001	0.0003	< 0.0001	0.0208	

Histology - P values following Bonferroni correction.

NUCLEI	Wt Healthy	Wt Cuprizone	-/+ Healthy	-/+ Cuprizone	-/- Healthy	-/- Cuprizone
Wt Healthy		< 0.0001	0.4917	0.0002	0.0948	0.2287
Wt Cuprizone	< 0.0001		< 0.0001	1.0000	< 0.0001	< 0.0001
-/+ Healthy	0.4917	< 0.0001		< 0.0001	1.0000	1.0000
-/+ Cuprizone	0.0002	1.0000	< 0.0001		< 0.0001	< 0.0001
-/- Healthy	0.0948	< 0.0001	1.0000	< 0.0001		1.0000
-/- Cuprizone	0.2287	< 0.0001	1.0000	< 0.0001	1.0000	
MICROGLIA	**Wt Healthy**	**Wt Cuprizone**	**-/+ Healthy**	**-/+ Cuprizone**	**-/- Healthy**	**-/- Cuprizone**
Wt Healthy		< 0.0001	1.0000	< 0.0001	1.0000	1.0000
Wt Cuprizone	< 0.0001		< 0.0001	1.0000	< 0.0001	< 0.0001
-/+ Healthy	1.0000	< 0.0001		< 0.0001	1.0000	0.3332
-/+ Cuprizone	< 0.0001	1.0000	< 0.0001		< 0.0001	< 0.0001
-/- Healthy	1.0000	< 0.0001	1.0000	< 0.0001		0.1974
-/- Cuprizone	1.0000	< 0.0001	0.3332	< 0.0001	0.1974	
CC1	**Wt Healthy**	**Wt Cuprizone**	**-/+ Healthy**	**-/+ Cuprizone**	**-/- Healthy**	**-/- Cuprizone**
Wt Healthy		< 0.0001	1.0000	< 0.0001	0.0005	0.0010
Wt Cuprizone	< 0.0001		< 0.0001	1.0000	< 0.0001	0.0002
-/+ Healthy	1.0000	< 0.0001		< 0.0001	1.0000	0.7250
-/+ Cuprizone	< 0.0001	1.0000	< 0.0001		< 0.0001	0.0066
-/- Healthy	0.0005	< 0.0001	1.0000	< 0.0001		0.7939
-/- Cuprizone	0.0010	0.0002	0.7250	0.0066	0.7939	
MBP	**Wt Healthy**	**Wt Cuprizone**	**-/+ Healthy**	**-/+ Cuprizone**	**-/- Healthy**	**-/- Cuprizone**
Wt Healthy		< 0.0001	0.4738	< 0.0001	0.0003	< 0.0001
Wt Cuprizone	< 0.0001		< 0.0001	1.0000	< 0.0001	< 0.0001
-/+ Healthy	0.4738	< 0.0001		< 0.0001	0.0199	< 0.0001
-/+ Cuprizone	< 0.0001	1.0000	< 0.0001		< 0.0001	< 0.0001
-/- Healthy	0.0003	< 0.0001	0.0199	< 0.0001		< 0.0001
-/- Cuprizone	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	
S100β	**Wt Healthy**	**Wt Cuprizone**	**-/+ Healthy**	**-/+ Cuprizone**	**-/- Healthy**	**-/- Cuprizone**
Wt Healthy		0.0270	1.0000	0.0020	1.0000	0.5613
Wt Cuprizone	0.0270		0.1844	1.0000	0.0145	0.1271
-/+ Healthy	1.0000	0.1844		0.0159	1.0000	1.0000
-/+ Cuprizone	0.0020	1.0000	0.0159		0.0011	0.0100
-/- Healthy	1.0000	0.0145	1.0000	0.0011		0.6375
-/- Cuprizone	0.5613	0.1271	1.0000	0.0100	0.6375	
GFAP	**Wt Healthy**	**Wt Cuprizone**	**-/+ Healthy**	**-/+ Cuprizone**	**-/- Healthy**	**-/- Cuprizone**
Wt Healthy		< 0.0001	0.1509	< 0.0001	1.0000	1.0000
Wt Cuprizone	< 0.0001		< 0.0001	1.0000	< 0.0001	< 0.0001
-/+ Healthy	0.1509	< 0.0001		< 0.0001	1.0000	0.0039
-/+ Cuprizone	< 0.0001	1.0000	< 0.0001		< 0.0001	< 0.0001
-/- Healthy	1.0000	< 0.0001	1.0000	< 0.0001		0.3112
-/- Cuprizone	1.0000	< 0.0001	0.0039	< 0.0001	0.3112	

^{1}H-MRS - Original P values (Healthy vs CPZ).

	Glu	Gln	GSH	Ins	NAA	Tau	tCho	tNAA	tCr
$CX_3CR1^{+/+}$	0,0218	0,1995	0,8581	0,1374	<0.0001	<0.0001	0,0002	<0.0001	0,1898
$CX_3CR1^{-/-}$	0,0894	0,8938	0,2790	0,0561	0,0883	0,3426	<0.0001	0,0011	0,5433

^{1}H-MRS - P values following Bonferroni correction (Healthy vs CPZ).

	Glu	Gln	GSH	Ins	NAA	Tau	tCho	tNAA	tCr
$CX_3CR1^{+/+}$	0,0437	0,3990	1,0000	0,2749	0,0001	<0.0001	0,0005	<0.0001	0,3796
$CX_3CR1^{-/-}$	0,1788	1,0000	0,5580	0,1122	0,1765	0,6851	<0.0001	0,0022	1,0000