

1. Supplementary Data

Table S1. Genotypic differences in age and iron status.

Genotypes		Age		Ferritin		Transferrin saturation	
		Men	Women	Men	Women	Men	Women
C282Y/C282Y	C282Y/H63D	≤ 0.01	≤ 0.05	≤ 0.001	ns (0.475)	≤ 0.001	≤ 0.001
C282Y/C282Y	H63D/H63D	≤ 0.05	ns (0.236)	ns (0.163)	ns (0.807)	≤ 0.001	ns (0.051)
C282Y/C282Y	C282Y/wt	≤ 0.001	ns (0.352)	≤ 0.01	ns (0.636)	≤ 0.001	≤ 0.001
C282Y/C282Y	H63D/wt	≤ 0.001	≤ 0.05	≤ 0.05	ns (0.807)	≤ 0.001	≤ 0.001
C282Y/H63D	H63D/H63D	ns (0.953)	ns (>0.99)	ns (0.136)	ns (>0.99)	ns (0.195)	ns (0.348)
C282Y/H63D	C282Y/wt	ns (0.461)	ns (0.917)	ns (0.272)	ns (0.795)	≤ 0.001	ns (0.506)
C282Y/H63D	H63D/wt	ns (0.249)	ns (0.796)	≤ 0.05	ns (0.276)	≤ 0.001	ns (0.148)
H63D/H63D	C282Y/wt	ns (0.574)	ns (0.876)	ns (0.222)	ns (0.755)	ns (0.098)	ns (0.189)
H63D/H63D	H63D/wt	ns (0.271)	ns (>0.99)	ns (0.763)	ns (0.648)	≤ 0.01	ns (0.097)
C282Y/wt	H63D/wt	ns (0.642)	ns (0.974)	ns (0.160)	ns (0.636)	≤ 0.05	ns (0.883)

* Medians of parameters in respective genotypes have been pairwise compared using Mann-Whitney *U*-test

wt, wildtype; ns, not significant.

The table demonstrates genotypic differences in age and iron status expressed as *p*-values*.

Table S2. Correlation between ferritin, age, and biochemical parameters.

Genotype	Age				Transferrin saturation				CRP				ALAT				GGT			
	Men		Women		Men		Women		Men		Women		Men		Women		Men		Women	
	r	p-value	r	p-value	r	p-value	r	p-value	r	p-value	r	p-value	r	p-value	r	p-value	r	p-value	r	p-value
C282Y/C282Y	0.450	≤ 0.001	0.3937	≤ 0.01	0.306	≤ 0.01	0.138	ns	0.181	ns	0.4287	< 0.01	0.421	≤ 0.001	0.212	ns	0.240	≤ 0.05	0.1732	ns (0.261)
	3				4		4	(0.370)	7	(0.088)			9		1	(0.166)	5			
C282Y/H63D	0.205	ns	0.2597	ns	0.050	ns	0.243	ns	0.338	≤ 0.01	-	ns	0.354	≤ 0.01	0.540	≤ 0.05	0.418	≤ 0.001	0.1232	ns (0.594)
D	6	(0.095)		(0.255)	2	(0.686)	2	(0.288)	4		0.2119	(0.369)	9		3		0			
H63D/H63D	0.096	ns	-	ns	0.162	ns	0.820	ns	0.111	ns	0.2108	ns	0.542	≤ 0.05	0.974	≤ 0.05	0.279	ns	0.9000	ns (0.083)
	1	(0.678)	0.1000	(0.950)		(0.482)	8	(0.133)	2	(0.631)		(0.833)	9		7		3	(0.220)		
C282Y/wt	0.200	ns	0.3571	ns	0.109	ns	0.630	ns	0.398	≤ 0.01	-	ns	0.261	≤ 0.05	0.357	ns	0.357	≤ 0.01	-	ns (0.138)
	5	(0.112)		(0.444)	7	(0.388)	7	(0.141)	6		0.4364	(0.339)	1		1	(0.444)	8		0.6429	
H63D/wt	0.072	ns	0.2256	ns	0.301	≤ 0.05	0.147	ns	0.036	ns	0.5448	≤ 0.05	0.147	ns	0.399	ns	0.775	ns	0.4503	ns (0.081)
	0	(0.790)		(0.381)	1		5	(0.582)	2	(0.769)			6	(0.226)	6	(0.125)	5	(0.526)		
Total	0.219	≤ 0.001	0.3038	≤ 0.01	0.240	≤ 0.001	0.189	ns	0.205	≤ 0.001	0.2368	≤ 0.05	0.290	≤ 0.001	0.309	≤ 0.01	0.206	≤ 0.001	0.1990	ns (0.055)
	3				9		6	(0.068)	2				6		1		1			

The table demonstrates correlation between ferritin and age, transferrin saturation, C-reactive protein (CRP), alanine aminotransferase (ALAT) and gamma-glutamyl transferase (GGT).

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