

Supplementary Materials

Table S1. Effect of TNF α on myotubes passive properties

	Control	TNF α	PF-543	PF-543+TNF α	VPC23019	VPC23019+TNF α
RMP (mV)	-41.0 $\pm$ 3.7 (n=8)	-27.8 $\pm$ 0.98*** (n=6)	-28.2 $\pm$ 3.6* (n=6)	-25.6 $\pm$ 8.9* (n=6)	-28.8 $\pm$ 9.6* (n=13)	-23.5 $\pm$ 2.8* (n=8)
C_m (pF)	26.4 $\pm$ 19.6 (n=8)	3.5 $\pm$ 2.1* (n=18)	41.5 $\pm$ 24.6§ (n=12)	57.6 $\pm$ 20.1§ (n=9)	62.8 $\pm$ 51§ (n=10)	53.1 $\pm$ 25§ (n=6)
R_m (MΩ)	524.1 $\pm$ 157.5 (n=17)	309.8 $\pm$ 34.3* (n=10)	584.5 $\pm$ 197.2§ (n=16)	498.4 $\pm$ 177.9*§ (n=14)	535.8 $\pm$ 400 (n=6)	851.7 $\pm$ 394 (n=6)

	Control	TNF α	PF-543	PF-543+TNF α	VPC23019	VPC23019+TNF α
C_T/C_s	4.5 $\pm$ 1.2 (n=10)	2.1 $\pm$ 0.9* (n=18)	4.5 $\pm$ 1.8§ (n=9)	5.5 $\pm$ 2.3§ (n=9)	3.5 $\pm$ 2.7 (n=14)	4.8 $\pm$ 1.05§ (n=5)

Table S1. All of the results are as mean $\pm$ SD. 'n' is the number of cells included in the statistical analysis.

*Indicates p<0.05 vs control; *** indicates p<0.001 vs control (Student's T test). § indicates p<0.05 vs TNF α (One-way ANOVA and Bonferroni's *post hoc* test).

Figure S1

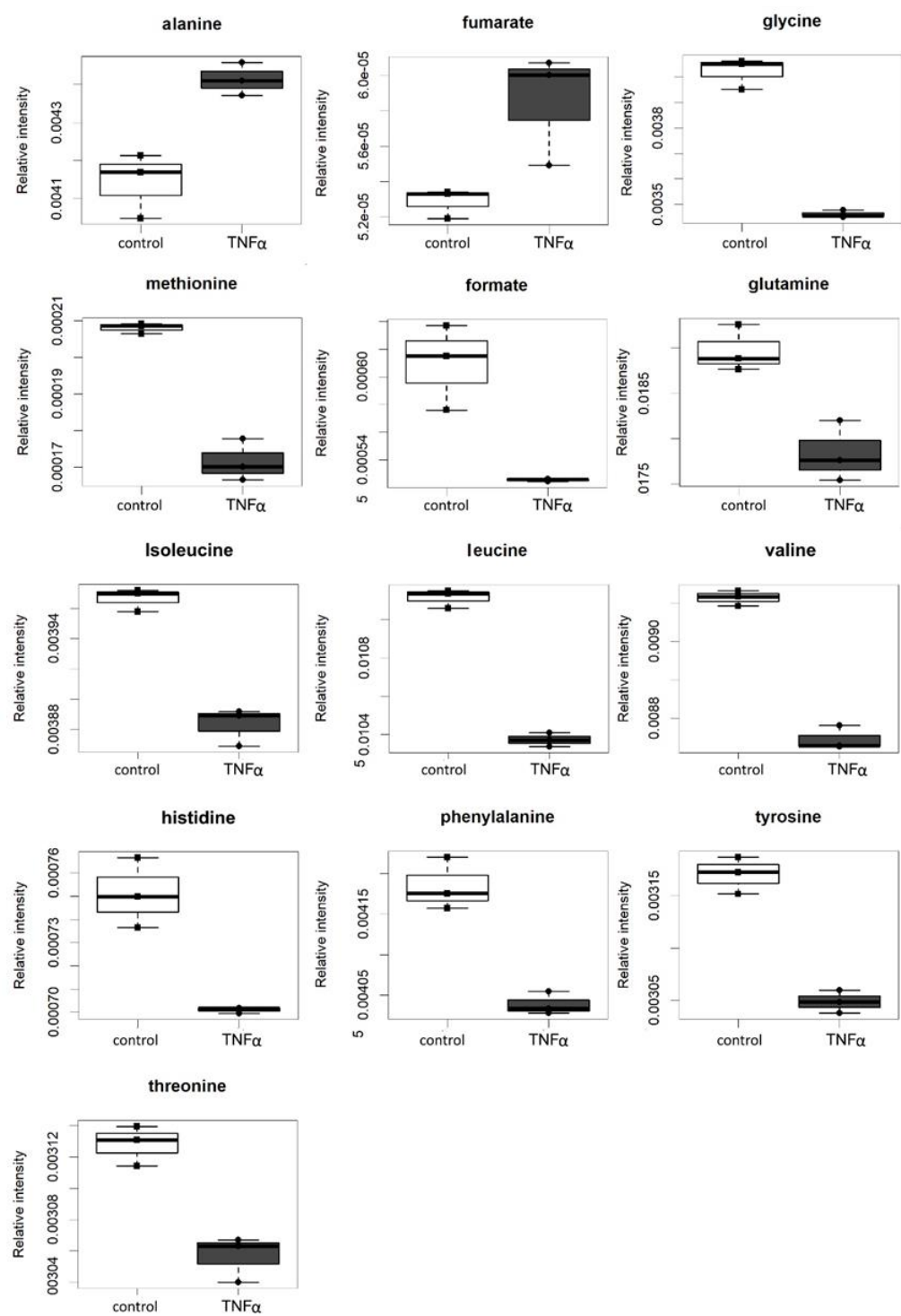


Figure S1. Boxplot representing metabolites levels in the different group of samples, i.e. white: Control; dark gray: TNF α .

Figure S2

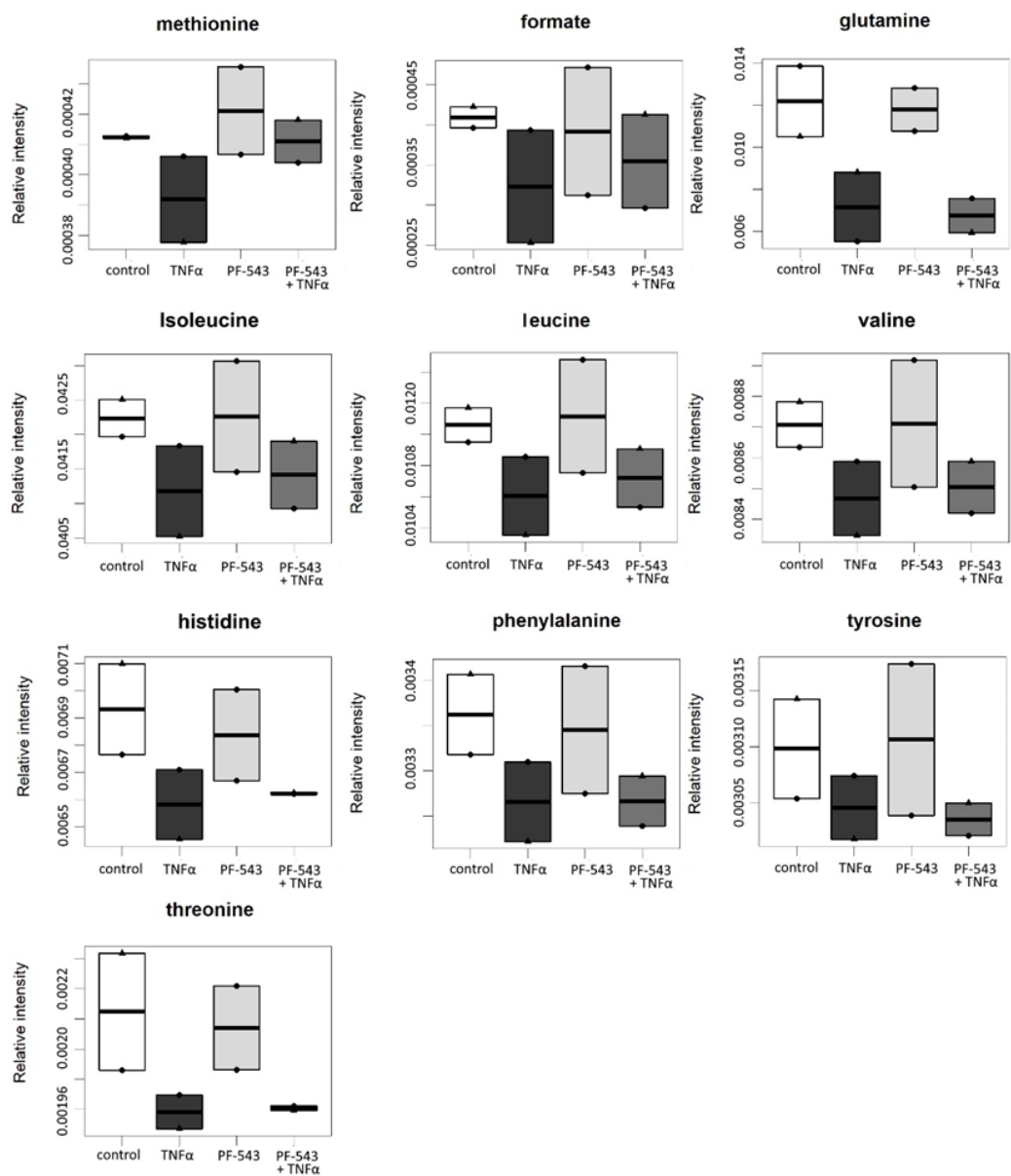


Figure S2. Boxplot representing metabolites levels in the different group of samples, i.e. white: Control; dark gray: TNF α ; light gray: PF-543; medium gray: P5-543+TNF α .

Figure S3

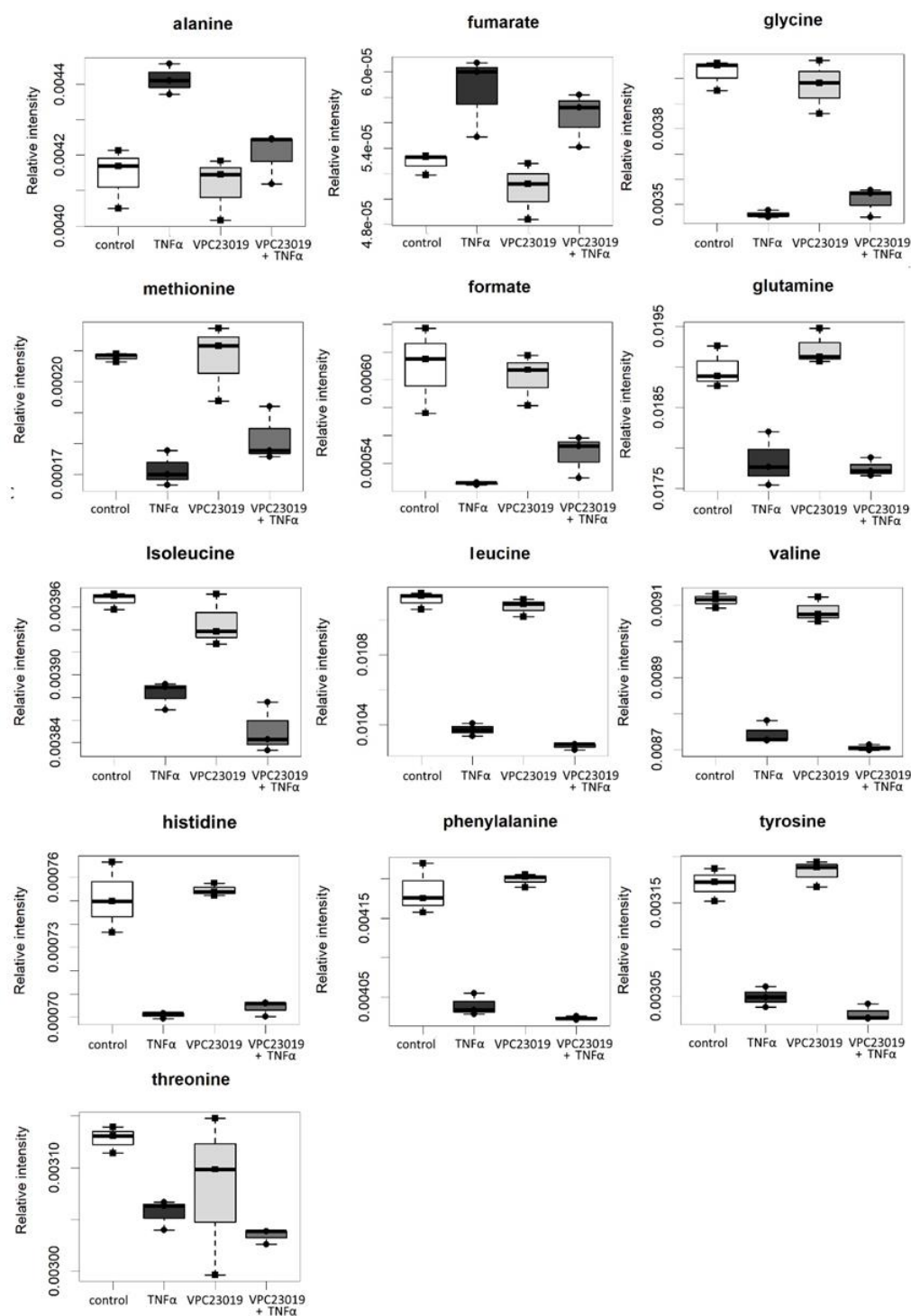


Figure S3. Boxplot representing metabolites levels in the different group of samples, i.e. white: Control; dark gray: TNF α ; light gray: VPC23019; medium gray: VPC23019+TNF α .