

Supplementary Table 1. Correlation between the mKCFQ11 biological parameters

Biological parameter (Serum concentration)		mKCFQ11		
		0-week	12-weeks	Changes between 0 and 12-wk
Oxidative stressors	ROS	0.067	0.048	0.235*
	MDA	0.076	-0.028	0.093
	TAC	-0.070	-0.046	-0.075
	SOD	0.011	-0.076	0.031
Anti-oxidant	Catalase	-0.117	-0.133	-0.143
	Total GSH	-0.221*	-0.031	-0.063
	GSH-Px	-0.125	0.087	-0.126
	GSH-Rd	-0.182	0.062	-0.059
Cytokine	TNF- α	0.360**	0.099	0.190
	IFN- γ	-0.240*	0.026	-0.133

The mKCFQ11: Modified Korean Version of the Chalder Fatigue Scale, ROS: Reactive oxygen species, MDA: Malondialdehyde, TAC: Total antioxidant capacity, SOD: Superoxide dismutase, Total GSH: Total glutathione contents, GSH-Px: Glutathione peroxidase, GSH-Rd: Glutathione reductase. TNF- α : Tumor necrosis factor- α , IFN- γ : Interferon-gamma, The statistical significance of correlation was presented as * $p < 0.005$ and ** $p < 0.001$.