

Supplementary Table 4. Wilcoxon signed-rank tests on RNA expression data of SAID patients pretreatment vs. posttreatment. Positive Z-scores indicate an increased expression profile of that gene in SAID patients pretreatment, while negative Z-scores indicate higher expression in SAID patients posttreatment. In the last column, p-values are corrected for multiple testing using the Benjamini-Hochberg correction. Grey highlighted p-values are <0.05.

	Gene	Z-score	p-value	p-value (BH-corrected)
Genes related to the innate immune responses	IL1B	2.5590	0.0105	0.0162
	PTGS2	3.5057	0.0005	0.0042
	CXCL2	3.1879	0.0014	0.0056
	CXCL3	3.4169	0.0006	0.0042
	PTX3	1.7435	0.0813	0.1083
	ATP2B1-AS1	0.9842	0.3250	0.3250
	ZFP36	3.0558	0.0022	0.0075
	SGK1	2.4840	0.0130	0.0186
	ATF3	1.5935	0.1111	0.1306
	CXCL8	1.6497	0.0990	0.1237
Genes related to the adaptive immune responses	BLNK	-2.7464	0.0060	0.0109
	SPIB	-3.2995	0.0010	0.0048
	FCRLA	-2.7183	0.0066	0.0109
	FAM30A	-1.2935	0.1958	0.2176
	SNX22	-2.7183	0.0066	0.0109
	FCRL2	-2.9808	0.0029	0.0082
	CD19	-2.7277	0.0064	0.0109
	CD22	-2.9339	0.0033	0.0084
	MS4A1	-4.1337	0.00004	0.0007
	IGHM	-1.0686	0.2853	0.3003