

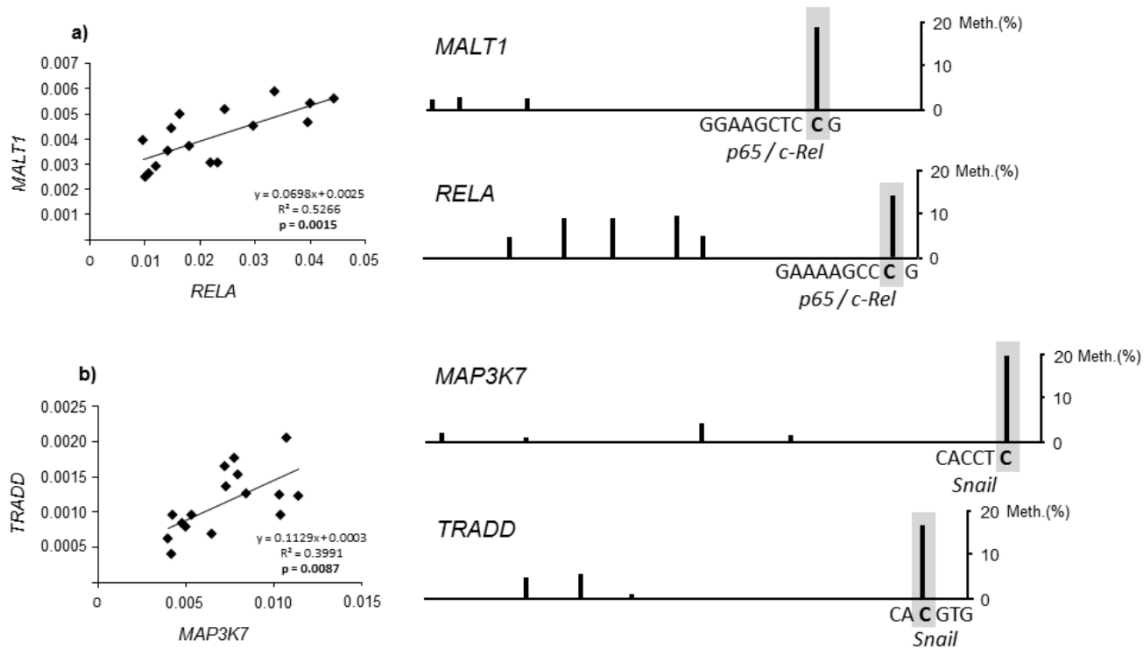
## Supplementary material

**Supplementary table 1.** List of the 93 Assay IDs included in the custom-designed Taqman Low Density Array (TLDA) with their corresponding gene symbols.

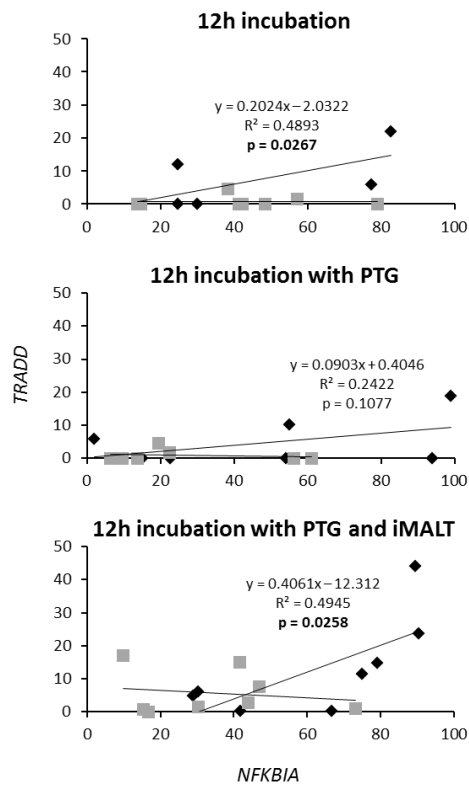
Assay ID	Gene Symbol	Assay ID	Gene Symbol	Assay ID	Gene Symbol
Hs00178289_m1	<i>AKT1</i>	Hs00174092_m1	<i>IL1A</i>	Hs00153294_m1	<i>RELA</i>
Hs00184839_m1	<i>BCL10</i>	Hs00174097_m1	<i>IL1B</i>	Hs00232399_m1	<i>RELB</i>
Hs00608023_m1	<i>BCL2</i>	Hs00168392_m1	<i>IL1R1</i>	Hs00169407_m1	<i>RIPK1</i>
Hs00180403_m1	<i>BCL3</i>	Hs00174114_m1	<i>IL2</i>	Hs00174057_m1	<i>SELE</i>
Hs00977611_g1	<i>BIRC5</i>	Hs00907779_m1	<i>IL2RA</i>	Hs00234829_m1	<i>STAT1</i>
Hs00182707_m1	<i>BTRC</i>	Hs00174131_m1	<i>IL6</i>	Hs00179410_m1	<i>TBK1</i>
Hs00367225_m1	<i>CARD10</i>	Hs00174103_m1	<i>IL8</i>	Hs00413978_m1	<i>TLR1</i>
Hs00364499_m1	<i>CARD14</i>	Hs00155570_m1	<i>IRAK1</i>	Hs00152932_m1	<i>TLR2</i>
Hs00234140_m1	<i>CCL2</i>	Hs00418138_m1	<i>IRAK1BP1</i>	Hs00152933_m1	<i>TLR3</i>
Hs00171125_m1	<i>CCL20</i>	Hs00176394_m1	<i>IRAK2</i>	Hs00152939_m1	<i>TLR4</i>
Hs00374176_m1	<i>CD40</i>	Hs00236874_m1	<i>LTA</i>	Hs00271977_s1	<i>TLR6</i>
Hs00188486_m1	<i>CD83</i>	Hs00158922_m1	<i>LTBR</i>	Hs00152971_m1	<i>TLR7</i>
Hs00989507_m1	<i>CHUK</i>	Hs00198984_m1	<i>MALT1</i>	Hs00607866_mH	<i>TLR8</i>
Hs00231713_m1	<i>CREB1</i>	Hs00394890_m1	<i>MAP3K1</i>	Hs00152973_m1	<i>TLR9</i>
Hs00231733_m1	<i>CREBBP</i>	Hs00177695_m1	<i>MAP3K14</i>	Hs00174128_m1	<i>TNF</i>
Hs00174164_m1	<i>CSF1</i>	Hs00177373_m1	<i>MAP3K7</i>	Hs00234713_m1	<i>TNFAIP3</i>
Hs00171266_m1	<i>CSF2</i>	Hs00196143_m1	<i>MAP3K7IP1</i>	Hs00269492_m1	<i>TNFRSF10A</i>
Hs00738431_g1	<i>CSF3</i>	Hs00153408_m1	<i>MYC</i>	Hs00366272_m1	<i>TNFRSF10B</i>
Hs00236937_m1	<i>CXCL1</i>	Hs00182082_m1	<i>MYD88</i>	Hs00187192_m1	<i>TNFRSF11A</i>
Hs00369830_m1	<i>EDARADD</i>	Hs00765730_m1	<i>NFKB1</i>	Hs01042313_m1	<i>TNFRSF1A</i>
Hs00196470_m1	<i>ENPP2</i>	Hs00174517_m1	<i>NFKB2</i>	Hs00243522_m1	<i>TNFSF11</i>
Hs00538709_m1	<i>FADD</i>	Hs00153283_m1	<i>NFKBIA</i>	Hs00353710_s1	<i>TNFSF15</i>
Hs00181225_m1	<i>FASLG</i>	Hs00182115_m1	<i>NFKBIB</i>	Hs00182558_m1	<i>TRADD</i>
Hs99999908_m1	<i>GUSB</i>	Hs00234431_m1	<i>NFKBIE</i>	Hs00194638_m1	<i>TRAF1</i>
Hs00164932_m1	<i>ICAM1</i>	Hs00384611_m1	<i>NKIRAS1</i>	Hs00184186_m1	<i>TRAF2</i>
Hs00277234_s1	<i>IER3</i>	Hs00383387_m1	<i>NKIRAS2</i>	Hs00237035_m1	<i>TRAF3</i>
Hs00233284_m1	<i>IKBKB</i>	Hs00167248_m1	<i>NOS2</i>	Hs00188755_m1	<i>TRAF4</i>
Hs00415849_m1	<i>IKBKG</i>	Hs00265399_s1	<i>PTAFR</i>	Hs00182979_m1	<i>TRAF5</i>
Hs00174086_m1	<i>IL10</i>	Hs00610420_m1	<i>PTGES</i>	Hs00365486_m1	<i>VCAM1</i>
Hs00168405_m1	<i>IL12A</i>	Hs00153133_m1	<i>PTGS2</i>	Hs00185658_m1	<i>ZFP36</i>
Hs00233688_m1	<i>IL12B</i>	Hs00968436_m1	<i>REL</i>	Hs00603247_m1	<i>ZNF675</i>

**Supplementary table 2.** Methylation assay list.

<i>Gene symbol</i>	Methylation
	Assay Number
<i>MALT1</i>	PM00185143
<i>MAP3K7</i>	PM00122850
<i>MAP3K7IP1</i>	PM00199521
<i>MAP3K14</i>	PM00177569
<i>NFKBIA</i>	PM00056287
<i>RELA</i>	PM00048895
<i>TNFAIP3</i>	PM00122129
<i>TRADD</i>	PM00061369



**Supplementary figure 1.** Correlation of expression in controls between gene pairs (**a** and **b** for *MALT1-RELA* and *MAP3K7-TRADD*, respectively) sharing *in silico* identified TFBS affected by the most methylated CpGs of the analyzed *loci*.



**Supplementary figure 2.** Establishment of correlation between methylation levels of *NFKBIA* and *TRADD* in active (black circles) and treated (white circles) CD patients after 12 h incubations in a) medium alone, b) in the presence of 250  $\mu\text{g/ml}$  PTG and c) with PTG and 60  $\mu\text{g/ml}$  Z.