

Evaluation in *ex-vivo* models of patients affected by Crohn disease of the O2-substituted (1-3)- β -D-glucan produced by *Pediococcus parvulus* 2.6

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Supplementary Table S1. NF κ B signaling pathway genes analyzed with “RT² Profiler PCR array”.

NF κ B PATHWAY
LIGANDS AND RECEPTORS CD27 (TNFRSF7), CD40 (TNFRSF5), EGFR, F2R, FASLG (TNFSF6), IL10, IL1A, IL1B, IL1R, IL8, LTBR, NOD1 (CARD4), TLR1, TLR2, TLR3, TLR4, TLR6, TLR9, TNF, TNFRSF1A, TNFRSF10A, TNFRSF10B, TNFSF10, TNFSF14
INHIBITORS BIRC2 (c-IAP2), FADD, IRAK1, IRAK2, IRF1, MYD88, RIPK1, TBK1, TICAM1 (TRIF), TICAM2, TNFAIP3, TRADD, TRAF2, TRAF3, TRAF6
NFκB CYTOPLASMIC REGULATING MOLECULES BCL3, CHUK (IKK α), IKBKB, IKBKE, IKBKG, NFKBIA, NFKBIB (TRIP9), NFKBIE
TRANSCRIPTION FACTORS NFKB1, NFBB2, REL, RELA, RELB
GENES ACTIVATED BY NF κ B
IMMUNE RESPONSE CCL2 (MPC-1), CCL5 (RANTES), CSF1 (MCSF), CSF2 (GM-CSF), ICAM1, IFNA1, IFNG, IL8, LTA (TNFB), TNF
APOPTOSIS AGT, BCL2A1 (BCL-X), BCL2L1, BIRC3 (c-IAP1)
OTHER NF κ B SIGNALING FACTORS
KINASES AKT1, MAP3K1, RAF1
TRANSCRIPTION FACTORS ATF1, EGR1, ELK1, FOS, JUN, STAT1
OTHER GENES BCL10, CARD11, CASP1 (ICE), CASP8, CFLAR (CASPER), HMOX1, MALT1, PSIP1, RHOA, TIMP

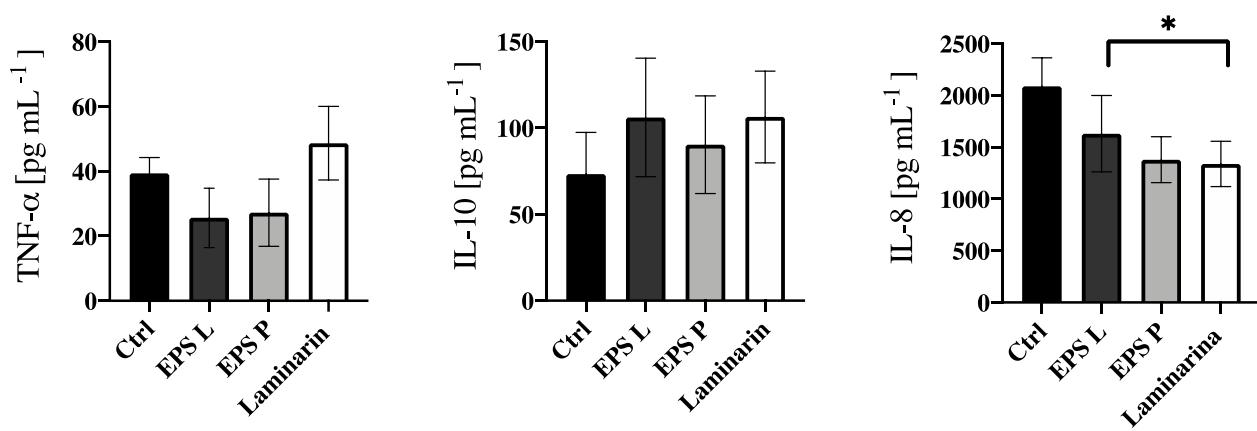


Figure S1: Organ culture cytokine production of 3 patients included in the study and not treated with antibiotics. Box whiskers representation with mean values and SEM. Data passed the normality KS test, then two tailed t test was performed for parametric paired values. Only IL-8 secretion was significant with a p < 0.04 for EPS L, p < 0.01 for EPS P and p < 0.01 for laminarin. No significant different were found for TNF- α and IL-10.