

Supplementary Information:

Evidence for long-term sensitization of the bowel in patients with post-infectious-IBS

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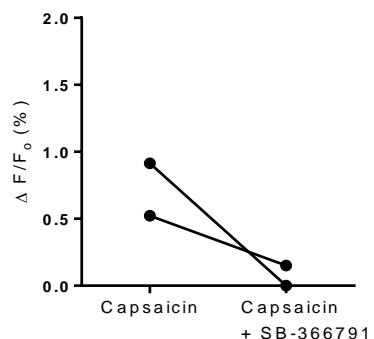
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Supplementary figures and legends

Supplementary Figure 1

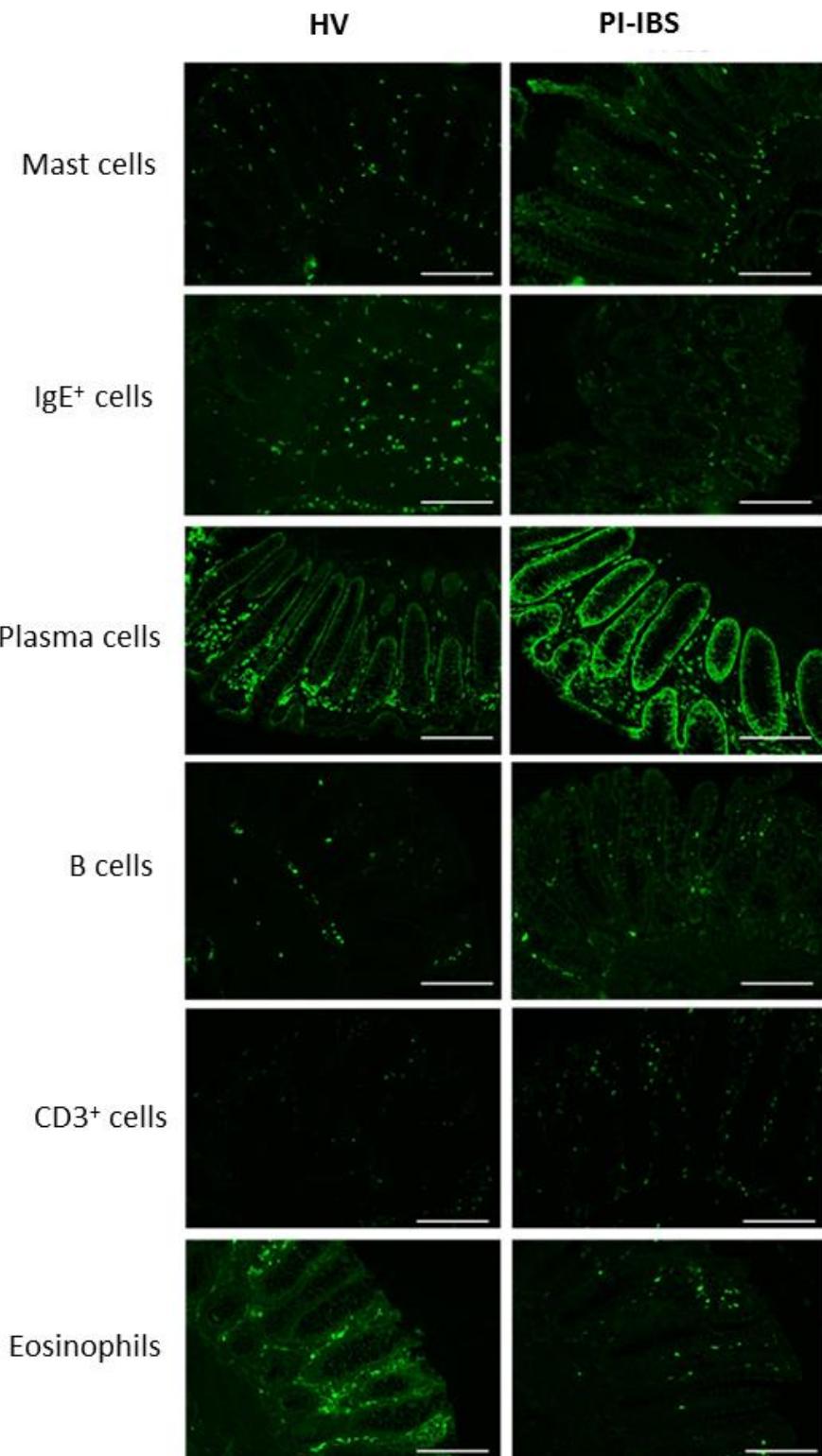


Supplementary Figure 1: Capsaicin-induced response in IBS patients is blocked by TRPV1 antagonist

SB-366791. Data showing the amplitude of the Ca^{2+} flux (%) to 0.1 nM capsaicin in IBS patients (n=2)

before and after incubation with TRPV1 antagonist SB-366791.

Supplementary Figure 2



Supplementary Figure 2: No evidence for low-grade inflammation in rectal biopsies of PI-IBS patients. Immunohistochemical staining of mast cells, IgE⁺ cells, plasma cells, B cells, CD3⁺ T cells and

eosinophils in HV (n=9) and PI-IBS (n=8) rectal biopsies (as indicated). HV = healthy volunteer, PI-IBS = post-infectious IBS. Scalebar=200 μ m.

Supplementary Tables

Supplementary Table 1: Primer sequences for gene detection by RT-qPCR.

Gene	Protein	Forward (5' -> 3')	Reverse (3' -> 5')	Probe
Actb	β-actin	ACTCCATCATGAAGTGTGA	GGCAGTGATCTCCTTCTG	TGTACGCCAACACAGTGCT G
IL1 beta	IL-1β	AGCTACGAATCTCCGACCAC	CGTTATCCCATGTGTCGAAGAA	-
IL2	IL-2	TAACCTCAACTCCTGCCACAA	GAGCATCCTGGTGAGTTGG	-
IL4	IL-4	ACTGCACAGCAGTCCACAG	ACTCTGGTGGCTTCCTCAC	-
IL5	IL-5	TCTACTCATCGAACTCTGCTGA	CCCTTGCACAGTTGACTCTC	-
IL6	IL-6	TCTGGATTCAATGAGGAG	CTGGATCAGGACTTTGTA	CTGGCTTGTTCCTCACTACT CTCA
IL10	IL-10	AAGCCATGAGTGAGTTG	GTCCTAGAGTCTATAGAGTCG	CGTATCTCATTGTCATGTA GGCTTCT
IL13	IL-13	AGCCCTCAGGGAGCTCAT	CTCCATACCATGCTGCCATT	-
IL17f	IL-17f	CCTACACTGGCCTGTACAAC	ATGAAGCTTGACATTGGCATC	-
IFNg	IFN-γ	ACGAGATGACTTCGAAAA	TTCGCTTCCCTGTTTAG	CGGTAACTGACTTGAATGT CCAACG
TNF	TNF-α	GACGAACATCCAACCTTC	GGTGGTCTTGTGCTTAA	CCCCCTGCCCAATCCCTTA
Ccl2	MCP-1	CCCCAGTCACCTGCTGTTAT	TCCTGAACCCACTTCTGCTT	ATTGTGGCCAAGGAGATCT G
TRPV1	TRPV1	CCCCGATAGCTCCTACAACA	GCAGCAGGATGATGAAGACA	-

sTable 1 summarizing the gene, the protein and corresponding primer sequences.