



Supplementary Figure 1 Neonatal maternal separation induced colonic hypersensitivity is not associated with expression modifications of toll-like receptors 2, 3, 4 and 9 in colonocytes. A: Intracolonic pressure variation (IPV) in response to colorectal distension in non-handled (NH), neonatal maternal separated non-sensitized (NMS NS) and neonatal maternal separated sensitized (NMS S) mice; B: Area under the curve (AUC) of the IPV relative to colorectal distension for the highest colorectal distension pressures (60, 80 and 100 mmHg) and for each NH, NMS NS and NMS S mouse; C: Colonocytes mRNA expression of toll-like receptor 2 (TLR2), TLR3, TLR4 and

TLR9 in NH, NMS NS and NMS S mice at week 12. Values are expressed as relative expression of TLRs mRNA compared to *HPRT* expression. NH $n = 5$; NMS NS $n = 7$; NMS S $n = 5$. ^b $P < 0.01$ vs NH, ^e $P < 0.01$ and ^f $P < 0.001$ vs NMS NS. For IPV to colorectal distension test, dots represent means and error bars represent SEM. For AUC and TLRs mRNA relative expression, each dot represents one mouse and red lines represent means.