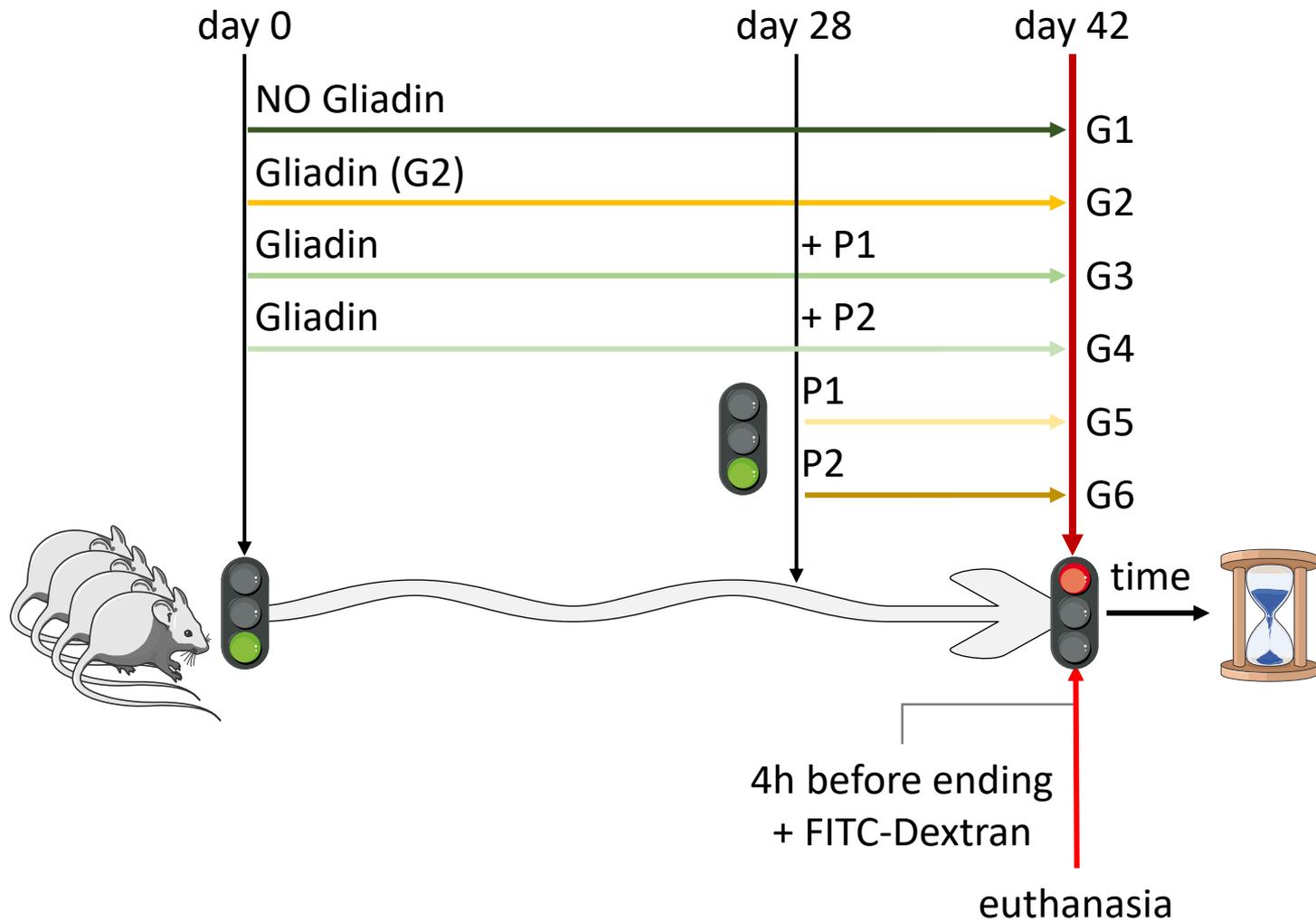


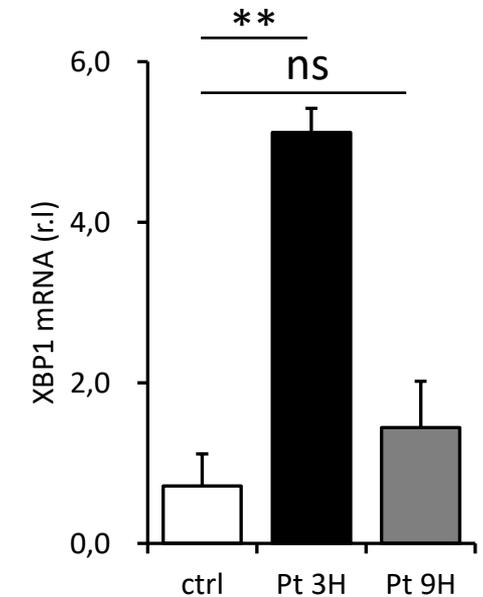
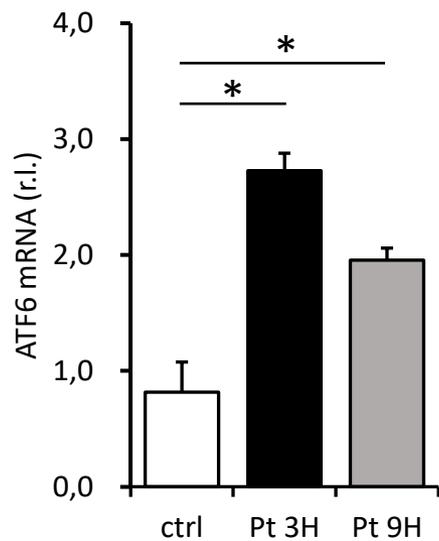
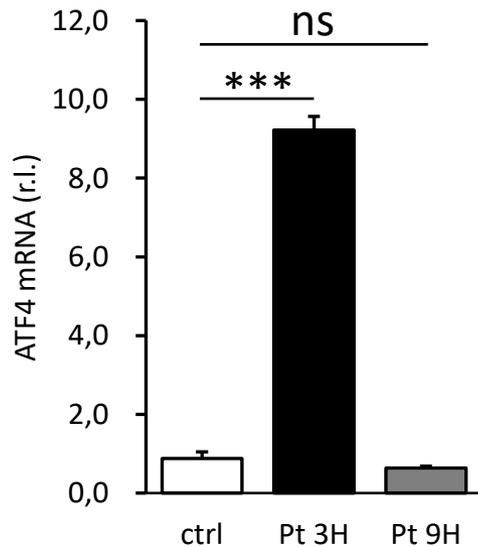
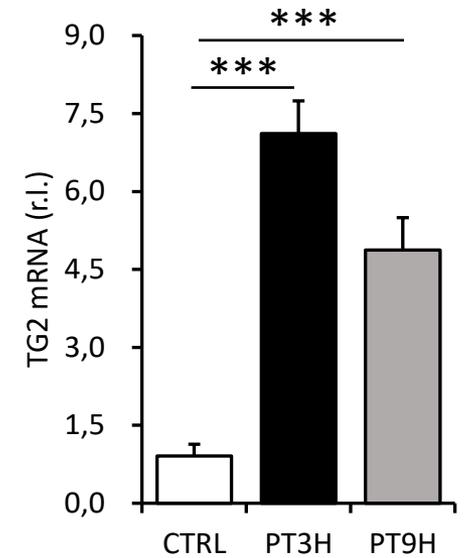
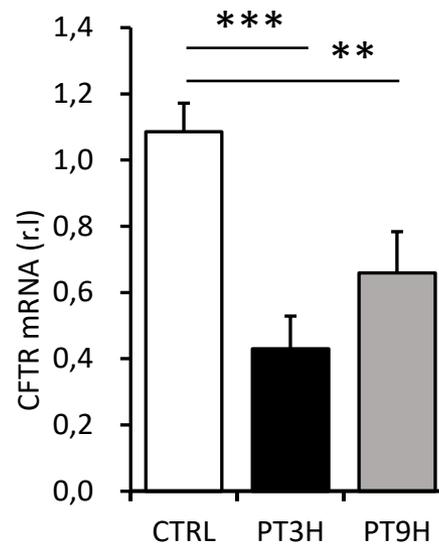
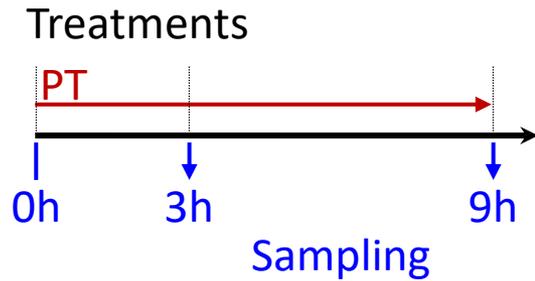
Supplementary Table1. Primers sequence.

Primer	Sequence
mIL-15_F	CAGCAAGGACCATGAAGA
mIL-15_R	GGCTGAGTTCCACATCTAAC
mIL-17a_F	CGCAATGAAGACCCTGATAG
mIL-17_R	CTTGCTGGATGAGAACAGAA
mINF γ _F	CCACATCTATGCCACTTGAG
mINF γ _R	CTCTTCCTCATGGCTGTTTC
mATF4_F	GTTTAGAGCTAGGCAGTGAAG
mATF4_R	CCTTTACACATGGAGGGATTAG
mATF6_F	GATGGTGACAACCAGAAAGA
mATF6_R	TGGAGGTGGAGGCATATAA
mXBP1s_F	AGTCCGCAGCAGGTG
mXBP1s_R	GGTCCAACCTGTCCAGAATG
mTG2_F	AAGAGCGAAGGGACATACT
mTG2_R	TGAGCACAGACCCATCTT
mCFRT_F	AGGAGGACAGGGATGATAAG
mCFTR_R	GTAGACACACCAGGAGTCTG
mCLD15_F	GGGACCCTCCACATACTT
mCLD15_R	CATACTTGGTTCCAGCATACA
mCLD2_F	CCTCGCTGGCTTGTATTATC
mCLD2_R	AAAGACTCCACCCACTACA
mOCLN_F	TCTTTGGAGGAAGCCTAAAC
mOCLN_R	CTGCTCTTGGGTCTGTATATC
mGAPDH_F	TTCAACGGCACAGTCAAG
mGAPDH_R	CCAGTAGACTCCACGACATA
hATF4_F	CCCGGAGAAGGCATCCTC
hATF4_R	GTGGCCAAGCACTTCAAACC
hATF6_F	TTTGCTGTCTCAGCCTACTGTGGT
hATF6_R	TCCATTCACTGGGCTATTCGCTGA
hXBP1s_F	AGAGAAAACCTCATGGCCTTGTAGTTG
hXBP1s_R	CATTCCCCTTGGCTTCCG
hTG2_F	CCTGGCCTACGTGACGTGTC
hTG2_R	CGGCTTGGAGCTGGGTCT
hCFTR_F	CCACTGGTGCATACTCTAATC
hCFTR_R	CGTGTTGAGGGTTGACATAG
hL34_F	GTCCCGAACCCTGGTAATAGA
hL34_R	GGCCCTGCTGACATGTTTCTT

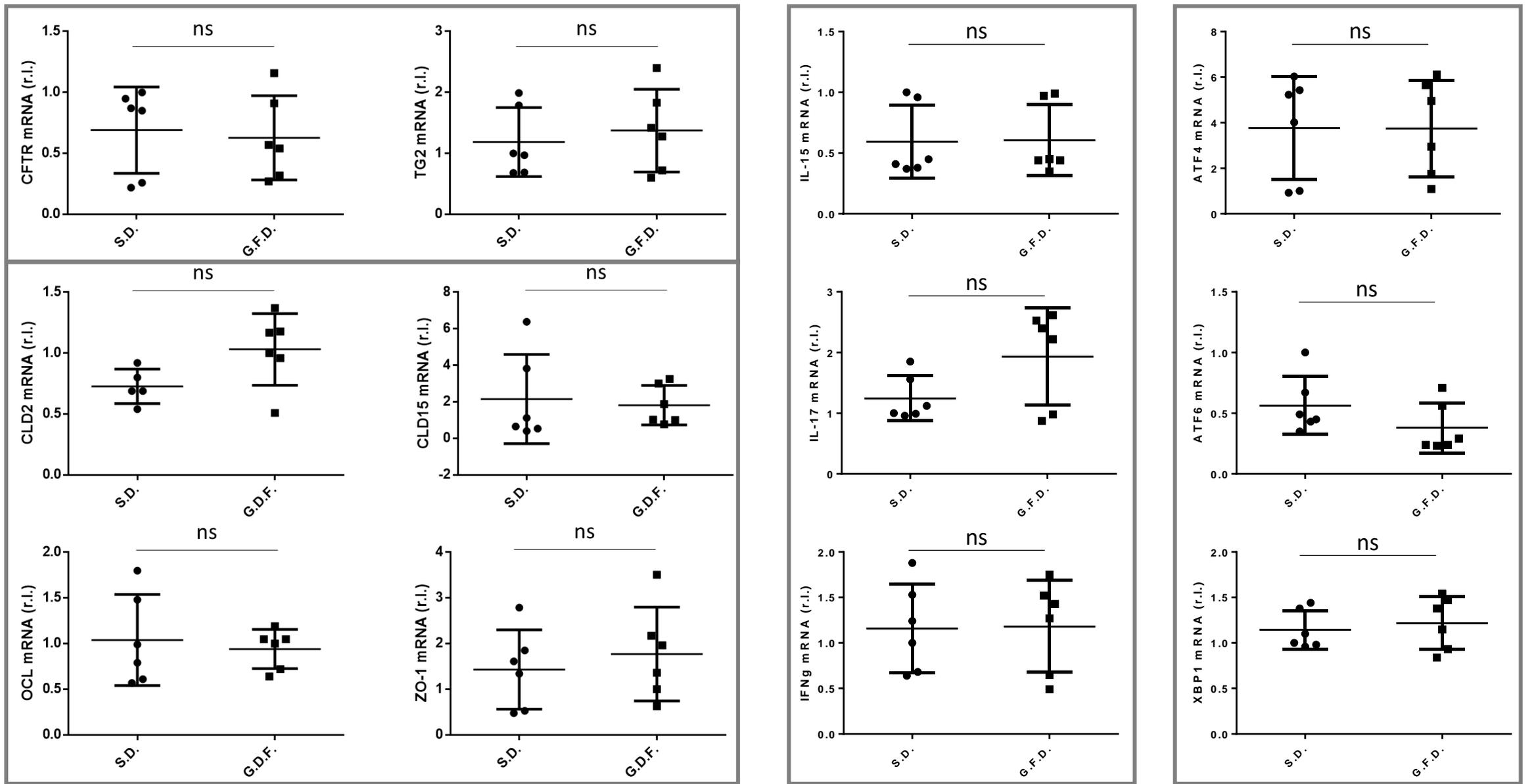
Note: m = mouse; h = human; XBP1s_F/R = primers designed to amplify the spliced (mature) mRNA of XBP1.



Supplementary Figure S1. Schematic representation of the experimental procedure (See Mat&Met for details).



Supplementary Figure S2. Caco-2 treatment w/o refresh. Caco-2 cells were treated or untreated with PT and total RNA was extracted at indicated time points. The gene expression analysis of indicated markers was performed by qRT-PCR. Mean \pm SD of triplicate sample, ns = differences not statistically significant (Student's t test).



Supplementary Figure S3. Gliadin Free vs Standard Diet. The basal expression of indicated markers were analysed by qRT-PCR and compared between mice fed with a gliadin free diet (G.D.F.) and standard diet (S.D.). GAPDH was used as loading control. Mean \pm SD of triplicate sample, ns = differences not statistically significant (Student's t test).