

Figure 5A

BALB/c	Ussing		
Sample	Mean	sd	N (independent experiment)
Gliadin	5,42	0,526308	3
VX-770+Gliadin	13,78	1,130044	3

Figure 5C

BALB/c mice	serum FITC-Dextran (ng/ml)		
Sample	Mean ng/ml	sd	N (independent experiment)
Vehicle	15,76949	9,944707	3
Gliadin	548,1096	161,1347	3
VX-770+Gliadin	107,5149	19,31559	3

Figure 5B

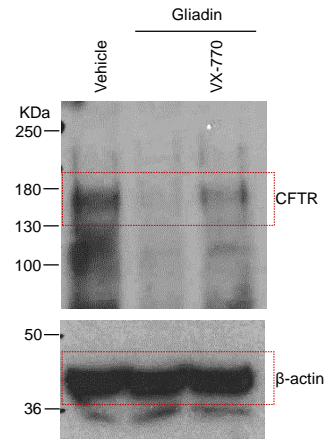


Figure 5D

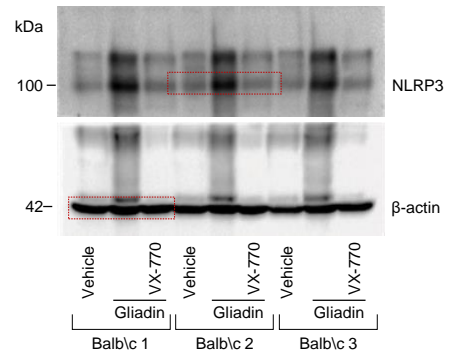


Figure 5E

BALB/c mice	IL15			IL21		
Sample	Mean	sd	N (independent experiment)	Mean	sd	N (independent experiment)
Vehicle	1	0,19221	3	1	0,299304	3
Gliadin	4,47153	0,965978	3	46,235014	10,89529	3
VX-770+Gliadin	2,081736	0,708718	3	1,6270218	1,035014	3

BALB/c mice	IL17a			Ifny		
Sample	Mean	sd	N (independent experiment)	Mean	sd	N (independent experiment)
Vehicle	1	0,473983	3	1	0,202255	3
Gliadin	4,282532	0,906816	3	3,7582593	1,003548	3
VX-770+Gliadin	2,738779	0,215005	3	2,017463	0,168681	3

Figure 5F

BALB/c mice	IL15			IL21		
Sample	Mean pg/ml	sd	N (independent experiment)	Mean	sd	N (independent experiment)
Vehicle	1185,512	147,575	3	1192,075	17,74417	3
Gliadin	2053,578	215,0365	3	1677,111	53,86338	3
VX-770+Gliadin	1398,221	64,78936	3	1171,147	16,91282	3

BALB/c mice	IL17A			IFN $\gamma$		
Sample	Mean pg/ml	sd	N (independent experiment)	Mean	sd	N (independent experiment)
Vehicle	54,87133	3,170268	3	84,51	8,313184	3
Gliadin	96,2283	5,395239	3	147,9742	20,80487	3
VX-770+Gliadin	64,745	6,690778	3	101,9572	5,779173	3

Figure 5G

BALB/c mice	Rorc			Tbet		
Sample	Mean	sd	N (independent experiment)	Mean	sd	N (independent experiment)
Vehicle	1,07	0,4715224	3	1,05	0,327448	3
Gliadin	8,16	1,240251	3	7,36	1,195547	3
VX-770+Gliadin	3,873	0,783979	3	5,05	1,38263	3

Figure 5H

BALB/c mice	IL-10			TGF $\beta$		
Sample	Mean pg/ $\mu$ g tissue	sd	N (independent experiment)	Mean pg/ $\mu$ g tissue	sd	N (independent experiment)
Vehicle	28,76	17,17926	3	24,64	9,073551	3
Gliadin	80,17	42,57198	3	13,74	4,664571	3
VX-770+Gliadin	215,37	56,49181	3	64,485	15,54792	3

Left

Figure 5I

Right

Control PBMC	IFN $\gamma$			Celiac PBMC	IFN $\gamma$		
Sample	Mean pg/ml	sd	N (independent experiment)	Sample	Mean pg/ml	sd	N (independent experiment)
None	19,37615	0,578253	3	None	19,2559	0,52178	3
PT	18,88048	0,230882	3	PT	57,66963	0,298239	3
VX-770+PT	18,82001	1,799717	3	VX-770+PT	22,19282	0,416898	3

Left

Figure 5J

Right

Control PBMC	IFN $\gamma$			Celiac PBMC	IFN $\gamma$		
Sample	Mean pg/ml	sd	N (independent experiment)	Sample	Mean pg/ml	sd	N (independent experiment)
None	19,72223	0,947255	3	None	19,31779	0,362465	3
P57-68 + P31-43	19,0638	0,600254	3	P57-68	17,67042	0,645645	3
VX-770 + P57-68 + P31-43	18,64731	0,685073	3	P31-43	23,01117	0,748467	3
				P57-68 + P31-43	53,14807	1,482883	3
				VX-770 + P57-68 + P31-43	21,49529	1,492001	3

Figure 5K

Figure 5L

Celiac PBMC	IL10			Celiac PBMC	IFN $\gamma$		
Sample	Mean pg/ml	sd	N (independent experiment)	Sample Caco-KO CFTR	Mean pg/ml	sd	N (independent experiment)
None	113,75	34,00368	3	None	29,03333	8,854216	3
P57-68	109,5	52,92447	3	P57-68 + P31-43	56,15	20,72551	3
P57-68 + P31-43	136,25	62,89873	3	VX-770 + P57-68 + P31-43	51,75	19,63891	3
VX-770 + P57-68 + P31-43	745	98,826447	3				

## Replicates

