

Supplementary Material

Table S1. Genes, upregulated with NaB treatment and subsequently suppressed with co-administration of ciprofloxacin.

Entrez gene ID	Gene symbol	Description	Upregulation (NaB vs. unstimulated)		Downregulation (NaB + cip vs. unstimulated)	
			Fold change	<i>p</i> -value	Fold change	<i>p</i> -value
6300	MAPK12	mitogen-activated protein kinase 12	3.61	0.0048	−2.18	0.016
394263	MUC21	mucin 21, cell surface associated	3.27	0.0024	−2.2	0.01
57678	GPAM	glycerol-3-phosphate acyltransferase, mitochondrial	2.78	0.001	−2.42	0.0016
66002	CYP4F12	cytochrome P450, family 4, subfamily F, polypeptide 12	2.31	0.0017	−4.22	0.0002
2941	GSTA4	glutathione S-transferase alpha 4	2.28	0.015	−4.24	0.0021
290	ANPEP	alanyl (membrane) aminopeptidase	5.12	0.004	−7.41	0.003
25809	TTL1	tubulin tyrosine ligase-like family, member 1	2.03	0.019	−3.71	0.0022
23563	CHST5	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 5	2.6	0.0078	−10.33	0.0014
2875	GPT	glutamic-pyruvate transaminase (alanine aminotransferase)	2.05	0.00002	−2.42	0.0005
6274	S100A3	S100 calcium binding protein A3	10.54	0.00005	−3.02	0.016
2840	GPR17	G protein-coupled receptor 17	4.37	0.0002	−2.93	0.0013
4846	NOS3	nitric oxide synthase 3 (endothelial cell)	4.05	0.0002	−3.88	0.0008
574029	DUSP5P	dual specificity phosphatase 5 pseudogene	8.51	0.0005	−2.8	0.0024
7106	TSPAN4	tetraspanin 4	3.51	0.0006	−2	0.015
57190	SEPN1	selenoprotein N, 1	2.92	0.0009	−2.02	0.0044
6035	RNASE1	ribonuclease, RNase A family, 1 (pancreatic)	8.57	0.0011	−1.91	0.042
3816	KLK1	kallikrein 1	2.6	0.0012	−1.99	0.014
3606	IL18	Interleukin 18 (interferon-gamma-inducingfactor)	2.93	0.0013	−14.3	0.0003
222	ALDH3B2	aldehyde dehydrogenase 3 family, member B2	5.91	0.0014	−5.36	0.0016
51148	CERCAM	cerebral endothelial cell adhesion molecule-	9.17	0.0016	−2.2	0.026
54763	ROPN1	ropporin, rhophilin associated protein 1	3.98	0.0016	−2.69	0.0044
250	ALPP	alkaline phosphatase, placental (Regan isozyme)	3.64	0.0016	−2.26	0.0011
79908	BTNL8	butyrophilin-like 8	2.83	0.0017	−2.47	0.0039
23017	FAIM2	Fas apoptotic inhibitory molecule 2	3.54	0.0017	−2.23	0.01
101	ADAM8	ADAM metallopeptidase domain 8	2.4	0.0017	−2.17	0.0054

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54866	PPP1R14D	protein phosphatase 1, regulatory (inhibitor) subunit 14D	4.29	0.0019	−3.38	0.0051
2696	GIPR	gastric inhibitory polypeptide receptor	3.8	0.0019	−2.08	0.0079
10347	ABCA7	ATP-binding cassette, sub-family A (ABC1), member 7	3.49	0.002	−2.54	0.0047
3759	KCNJ2	potassium inwardly-rectifying channel, subfamily J, member 2	2.1	0.002	−2.88	0.005
23546	SYNGR4	synaptogyrin 4	3.44	0.0026	−2.22	0.033
284422	C19orf77	chromosome 19 open reading frame 77	4.62	0.0028	−4.1	0.0033
147920	IGFL2	IGF-like family member 2	4.14	0.0031	−2.1	0.018
4241	MFI2	antigen p97 (melanoma associated) identified by monoclonal antibodies 133.2 and 96.5	5.11	0.0032	−3.9	0.004
152015	ROPN1B	ropporin, rhophilin associated protein 1B	4.46	0.0032	−2.9	0.006
9056	SLC7A7	solute carrier family 7 (cationic amino acid transporter, y + system), member 7	2.17	0.0036	−2	0.022
2774	GNAL	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide, olfactory type	2.58	0.0041	−3.58	0.0017
9429	ABCG2	ATP-binding cassette, sub-family G (WHITE), member 2	2.6	0.0043	−2.56	0.003
5118	PCOLCE	procollagen C-endopeptidase enhancer	7.92	0.0044	−2.5	0.03
79628	SH3TC2	SH3 domain and tetratricopeptide repeats 2	3.1	0.0048	−2.9	0.013
7079	TIMP4	TIMP metalloproteinase inhibitor 4	2.64	0.0049	−2.08	0.004
400935	IL17REL	interleukin 17 receptor E-like	2.57	0.0052	−1.96	0.011
402778	LOC402778	CD225 family protein FLJ76511	4.4	0.0056	−4.55	0.005
57402	S100A14	S100 calcium binding protein A14	2.59	0.0056	−1.95	0.015
2593	GAMT	guanidinoacetate N-methyltransferase	6.79	0.0057	−6.39	0.006
727936	GXYLT2	glucosidexylosyltransferase 2	2.16	0.0059	−2.41	0.0019
27120	DKKL1	dickkopf-like 1 (soggy)	5	0.0067	−3.6	0.01
3554	IL1R1	interleukin 1 receptor, type I	6.32	0.0071	−3.26	0.013
6271	S100A1	S100 calcium binding protein A1	7.72	0.0073	−2.47	0.027

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241	ALOX5AP	arachidonate 5-lipoxygenase-activating protein	2.96	0.0075	−2.36	0.01
574029	DUSP5P	dual specificity phosphatase 5 pseudogene	4.24	0.0075	−2.61	0.018
79258	MMEL1	membrane metallo-endopeptidase-like 1	2.82	0.0075	−3.67	0.008
1551	CYP3A7	cytochrome P450, family 3, subfamily A, polypeptide 7	3.19	0.0076	−3.49	0.004
23563	CHST5	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 5	2.6	0.0078	−10.33	0.001
2548	GAA	glucosidase, alpha; acid	2.8	0.0083	−3.07	0.005
954	ENTPD2	ectonucleoside triphosphate diphosphohydrolase 2	3.6	0.0085	−2.4	0.021
63924	CIDEC	cell death-inducing DFFA-like effector c	4.3	0.0085	−4.5	0.009
64097	EPB41L4A	erythrocyte membrane protein band 4.1 like 4A	2.5	0.0089	−3.3	0.006
1556	CYP2B7P1	cytochrome P450, family 2, subfamily B, polypeptide 7 pseudogene 1	2.3	0.009	−2.3	0.01
15360	PLTP	phospholipid transfer protein	10.2	0.0091	−3.3	0.02
94009	SERHL	serine hydrolase-like	5.6	0.0097	−2	0.047
84873	GPR128	G protein-coupled receptor 128	2.7	0.0098	−3.4	0.006
374407	DNAJB13	DnaJ (Hsp40) homolog, subfamily B, member 13	3.7	0.0099	−2.2	0.028
183	AGT	angiotensinogen (serpin peptidase inhibitor, clade A, member 8)	4.6	0.01	−3.5	0.01
29943	PADI1	peptidyl arginine deiminase, type I	2.8	0.01	−2.3	0.02
2172	FABP6	fatty acid binding protein 6, ileal	2	0.01	−2	0.02
3249	HPN	hepsin	4.3	0.01	−4.6	0.009
55018	C17orf73	chromosome 17 open reading frame 73	4.4	0.01	−2.7	0.04
347	APOD	apolipoprotein D	4.9	0.01	−2.3	0.04
80740	LY6G6C	lymphocyte antigen 6 complex, locus G6C	4.3	0.01	−2.4	0.03
203328	SUSD3	sushi domain containing 3	5.2	0.01	−2.5	0.03
3718	JAK3	Janus kinase 3	2.5	0.01	−2.9	0.01
8514	KCNAB2	potassium voltage-gated channel, shaker-related subfamily, beta member 2	2.1	0.01	−3.2	0.003

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7365	UGT2B10	UDP glucuronosyltransferase 2 family, polypeptide B10	2.9	0.01	−2	0.04
2941	GSTA4	glutathione S-transferase alpha 4	2.3	0.01	−4.2	0.002
7941	PLA2G7	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)	3.9	0.01	−2.8	0.03
140738	TMEM37	transmembrane protein 37	3	0.017	−4.2	0.01
118663	BTBD16	BTB (POZ) domain containing 16	2.1	0.017	−3.9	0.004
7739	ZNF185	zinc finger protein 185 (LIM domain)	2	0.017	−2.4	0.01
64600	PLA2G2F	phospholipase A2, group IIF	12.4	0.018	−4.2	0.03
64220	STRA6	stimulated by retinoic acid gene 6 homolog (mouse)	6.3	0.018	−5.9	0.02
5972	REN	renin	6.7	0.018	−8.3	0.016
3827	KNG1	kininogen 1	6.1	0.018	−3.8	0.02
25809	TTLL1	tubulin tyrosine ligase-like family, member 1	2	0.019	−3.7	0.002
10232	MSLN	mesothelin	3	0.019	−3.9	0.01
6947	TCN1	transcobalamin I (vitamin B12 binding protein, R binder family)	7	0.019	−3.4	0.04
3748	KCNC3	potassium voltage-gated channel, Shaw-related subfamily, member 3	2	0.019	−2.1	0.01
9022	CLIC3	chloride intracellular channel 3	3.1	0.02	−5.3	0.01
80896	NPL	N-acetylneuraminate pyruvate lyase (dihydrodipicolinate synthase)	3.1	0.02	−2.1	0.04
79745	KLIP4	CAP-GLY domain containing linker protein family, member 4	2.8	0.02	−2.4	0.03
8736	MYOM1	myomesin 1, 185 kDa	2.5	0.02	−2.5	0.02
3557	IL1RN	interleukin 1 receptor antagonist	3.4	0.02	−3.2	0.04
4485	MST1	macrophage stimulating 1 (hepatocyte growth factor-like)	2.4	0.02	−2.4	0.02
339416	ANKRD45	ankyrin repeat domain 45	4.9	0.02	−12.6	0.01
5175	PECAM1	platelet/endothelial cell adhesion molecule	2.3	0.02	−2.5	0.02
251	ALPPL2	alkaline phosphatase, placental-like 2	18.1	0.02	−11.13	0.03

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128553	TSHZ2	teashirt zinc finger homeobox 2	6.2	0.03	−8.45	0.02
6799	SULT1A2	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 2	2.9	0.03	−4.21	0.02
387590	psiTPTE22	TPTE pseudogene	4.3	0.03	−4.8	0.02
84058	WDR54	WD repeat domain 54	2	0.03	−2.3	0.02
2517	FUCA1	fucosidase, alpha-L-1, tissue	2	0.03	−3.2	0.007
53841	CDHR5	cadherin-related family member 5	2.1	0.03	−2.4	0.01
79812	MMRN2	multimerin 2	2.7	0.03	−4.7	0.01
127534	GJB4	gap junction protein, beta 4, 30.3kDa	2.3	0.03	−2.5	0.02
79861	TUBAL3	tubulin, alpha-like 3	2.8	0.03	−2.4	0.03
283537	SLC46A3	solute carrier family 46, member 3	3.1	0.03	−2.3	0.04
143662	MUC15	mucin 15, cell surface associated	17.2	0.03	−4.7	0.05
2346	FOLH1	folate hydrolase (prostate-specific membrane antigen) 1	2.1	0.03	−5.2	0.008
4680	CEACAM6	carcinoembryonic antigen-related cell adhesion molecule 6 (non-specific cross reacting antigen)	3.6	0.04	−3.7	0.04
10170	DHRS9	dehydrogenase/reductase (SDR family) member 9	3.3	0.04	−3.6	0.03
8529	CYP4F2	cytochrome P450, family 4, subfamily F, polypeptide 2	7.8	0.04	−41.1	0.03
729359	PLIN4	perilipin 4	2.7	0.04	−2.4	0.03
11045	UPK1A	uroplakin 1A	2.2	0.04	−2.1	0.03
722	C4BPA	complement component 4 binding protein, alpha	15.7	0.04	−10.9	0.047
8302	KLRC4	killer cell lectin-like receptor subfamily C, member 4	3.2	0.04	−4.2	0.02
6819	SULT1C2	sulfotransferase family, cytosolic, 1C, member 2	3.1	0.04	−3.8	0.03
15267	SERPINA4	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 4	2.2	0.04	−6.3	0.008
2984	GUCY2C	guanylate cyclase 2C (heat stable enterotoxin receptor)	3.7	0.047	−5.34	0.03
11182	SLC2A6	solute carrier family 2 (facilitated glucose transporter), member 6	2.1	0.047	−3.8	0.009
9963	SLC23A1	solute carrier family 23 (nucleobase transporters), member 1	2.2	0.048	−2.8	0.03