

Health vs HP(+)

Compound name	p	p(corr)	VIP	trend
Glycoursodeoxycholic acid	0.0444625	0.27594	1.28224	↑
Acetanilide	0.0314359	0.195946	1.00973	↑
Hippuric acid	1.31788E-06	2.08844E-05	4.11629	↑
Purine	0.0487366	0.277602	1.47221	↑
3-Methoxy-4-Hydroxyphenylethyleneglycol Sulfate	0.0460135	0.109151	2.59595	↓
N-Acetyl-L-tyrosine	0.0420557	0.349632	1.11228	↓
Citraconic acid	0.0389585	0.213638	1.38865	↓
3-Hydroxyhippuric acid	0.0372666	0.206285	1.0348	↓
Uridine	0.0366578	0.258117	1.15309	↓
Hypoxanthine	0.0318015	0.147542	1.46241	↓
Indoxyl sulfate	0.0197418	0.0296575	3.79225	↓
γ-Glu-Leu	0.0132822	0.0699842	1.07753	↓
Citric acid	0.00569344	0.0082362	3.55553	↓
L-Tryptophan	0.00488156	0.0275484	1.39282	↓
Cis-Aconitic acid	0.00193625	0.0078688	1.41414	↓
Isocitric acid	0.000020847	0.000071902	1.72549	↓
1-Methylguanine	0.0477331	0.169344	1.77218	↑
3-Methylcrotonyl glycine	0.0400571	0.0632787	3.55866	↑
L-Tyrosine	0.0162133	0.0385365	1.81289	↑
3-Nitroaniline	0.0434837	0.392801	1.19532	↓
L-Alanyl-L-leucine	0.0429994	0.215435	1.47555	↓
Galactinol	0.0424166	0.407464	1.17351	↓
3-(1-Pyrazolyl)-L-alanine	0.0394589	0.363243	1.10149	↓
Asp-phe	0.0394455	0.265587	1.29416	↓
Cis-5-Dodecenoic acid	0.0368147	0.237405	1.09749	↓
Hexadecanamide	0.0349288	0.290523	1.13997	↓
Phenylacetyl-L-glutamine	0.0299351	0.107571	1.8791	↓
Dl-Glutamic acid	0.0269355	0.144692	1.43251	↓
Indole-3-acetamide	0.0176739	0.102837	1.0647	↓
L-Phenylalanine	0.00191231	0.00642571	1.4337	↓

HP(+) vs HP(-)

Compound name	p	p(corr)	VIP	trend
Inosine	0.0470115	0.304647	1.17215	↓
Suberic acid	0.0442558	0.281021	1.18304	↑
Uridine	0.0435075	0.138703	1.41047	↑
Glycoursodeoxycholic acid	0.0389954	0.18929	1.15721	↑
5-Methyluridine	0.0373838	0.216951	1.05916	↑
Citric acid	0.03544	0.0666936	3.04978	↓
N6-Succinyl adenosine	0.0348583	0.245537	1.05297	↑
(R)-(+)-1,2-Dithiolane-3-pentanoic acid	0.0319657	0.209223	1.11095	↑
γ-Glu-Leu	0.0217957	0.12557	1.07554	↓
Hypoxanthine	0.0204084	0.0932448	1.46068	↑
Citraconic acid	0.0171977	0.101318	1.1662	↑
Purine	0.0162465	0.0885708	1.17976	↑
Azelaic acid	0.0140986	0.0574131	1.0906	↑
Cis-Aconitic acid	0.01311513	0.0538895	1.43008	↑
S-(5-Adenosy)-L-homocysteine	0.0122429	0.051614	1.12485	↑
Isocitric acid	0.00203349	0.00651451	1.09727	↑
Hippuric acid	1.86313E-06	3.15493E-05	4.85964	↓
N-Acetyl-L-aaline	0.0486619	0.209685	1.30211	↓
N8-Acetylspemidine	0.0476789	0.335499	1.27644	↑
Creatinine	0.0469334	0.0837075	3.42206	↑
Creatine	0.0462864	0.0997616	1.76879	↓
Indole-2-carboxylic acid	0.0461164	0.390575	1.21219	↓
Kynurenic acid	0.0446274	0.186669	1.51977	↓

3-Methyluridine	0.0391893	0.3796	1.05099	↓
Pro-Leu	0.038227	0.0768707	2.19188	↓
Hexadecanamide	0.0326474	0.201662	1.16815	↑
Indole-3-acetamide	0.0319284	0.135318	1.35661	↑
N-Tetradecanamide	0.0298484	0.0829665	1.94815	↑
17- α -Hydroxyprogesterone	0.0292956	0.146252	1.22727	↓
L-Alanyl-L-leucine	0.0191162	0.0714693	1.15171	↑
L-Phenylalanine	0.00993957	0.0300876	1.48247	↑
1-Methylguanine	0.00799877	0.0222536	1.65371	↓
L-Tyrosine	0.00607409	0.0206057	1.42119	↓
L-Tryptophan	0.00411551	0.0180677	1.16703	↑

[illegible]

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L-Phenylalanine	0.00191231	0.00642571	1.4337	↓

ion mode

negative

negative

negative

negative

negative

negative

negative

negative

negative

negative

negative

negative

negative

negative

negative

negative
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positive
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positive
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positive
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positive

positive

positive

positive

positive
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positive

positive

positive

positive

positive
positive

positive

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L-Tryptophan	0.00411551	0.0180677	1.16703	↑

ion mode

negative

negative

negative

negative

negative

negative

negative
negativenegative
negativenegative
negativenegative
negativenegative
negativenegative
negative

negative

negative

negative

negative

positive

positive

positive
positive

positive
positive

positive
positive

positive
positive

positive
positive

positive
positive

positive

positive

positive

positive

positive

positive
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positive

positive

targets of significant differential metabolites	targets of H. pylor-positive chronic gastritis
ACOT8	CYBB
FARSB	CFTR
WARS2	TP53
ACAA2	TNF
FARS2	CYBA
ACOT2	ABL1
SLC27A2	IL6
ACOT7	IL10
TPH2	STAT1
CMA1	IL1B
ACOT4	SERPINA1
COMT	NLRP3
CS	CTLA4
TTL	ATM
DDC	CXCL8
CLYBL	TGFB1
ECHS1	IFNG
EHHADH	IL21R
FARSA	AIRE
AMACR	STAT3
TTLL10	IL4
IL4I1	ALB
GOT1	PRSS1
GOT2	TLR4
ACAA1	POLE
HSD17B10	MIR223
HADHA	MIR17
HADHB	MIR20A
HADH	IL17A
HSD17B4	IL1RN
IDH1	HLA-DRB1
IDH2	ACE
IDH3A	CRP
IDH3B	KIT
IDH3G	IFNA1
LPO	IL13
MPO	CARD9
ACLY	CCND1
ACO1	GAST
ACO2	MIF
PAH	MIR15A
ACOX1	CCR6
YARS2	S100A8
BAAT	MIR143

ACOT1	CCL5
ACOT6	PTGS2
TAT	HLA-DPB1
TDO2	FAS
TH	MIR34A
TPH1	MIR155
TPO	KRAS
TYR	NFKB1
WARS	IL2RA
BRPF1	CDH1
EPX	MIR16-1
ACOX2	MIR203A
ACOX3	IL2
YARS	MIR29A
CCBL1	BCL2
PRDX6	MMP9
	MPO
	CCL11
	MIR106B
	FOXP3
	ABCB1
	ATP4A
	MIR145
	ADA
	GPT
	PTPN11
	NOS2
	INS
	HLA-B
	TERT
	GHRL
	VEGFA
	FIP1L1
	CASR
	SST
	CLEC7A
	IL5
	HLA-DQB1
	PTPN22
	MMP1
	CD4
	MIR126
	MIR424
	CCL2
	TLR2
	ITGAM
	IL17F

	B2M
	NOD2
	MIR21
	PDCD1
	SOD1
	FASLG
	MBL2
	MUC5B
	LEP
	CD40LG
	EPO
	TFF2
	CCR5
	LRBA
	CTNNB1
	F2
	NRAS
	CD38
	BRCA2
	MIR122
	IL1A
	EGFR
	SYK
	CSF2
	FCGR2A
	CHGA
	SCT
	NPM1
	PRKCD
	ELANE
	CSF3
	BRAF
	TTR
	HLA-DQA1
	NOS3
	LTA
	CD79A
	MIR146A
	GSTM1
	NPPB
	CARD11
	CASP8
	PGC
	AKT1
	JAK1
	HLA-A
	CDKN2A

	DEFB1
	TGFBR1
	MUC1
	SH2B3
	MUC6
	TFRC
	MTHFR
	COMT
	PGA3
	DEFB4A
	HLA-C
	ELN
	MYC
	IFIH1
	IL18
	PTGS1
	TGFA
	RNASE3
	ICAM1
	ALOX5
	MIR196A1
	PGA5
	ODC1
	RIPK1
	GSTP1
	CAT
	ADAR
	HRAS
	CXCL1
	CD8A
	APOA1
	EGF
	LTF
	PGA4
	ERBB2
	CDX2
	NF1
	TIMP1
	XIAP
	STAT5B
	CR2
	HRH2
	SERPINA3
	IFNGR1
	TGFB2
	VDR
	EDN1

	ATP12A
	CCL3
	CXCR3
	CYP2C19
	ADIPOQ
	SPP1
	TNFRSF1A
	FN1
	PMS2
	G6PD
	MAPK1
	PTEN
	ICOSLG
	IGF1
	CASP3
	TSLP
	SLPI
	GZMB
	RAG1
	AREG
	BGLAP
	TYK2
	MMP2
	IL33
	PIK3CA
	AICDA
	CD19
	CD34
	MUC5AC
	TYMP
	AGT
	PPARG
	NPPA
	CXCL5
	TF
	HSPA4
	CASP10
	STAT5A
	MIR142
	CALCA
	THBD
	NOD1
	PSMB8
	ENG
	IL2RB
	MS4A1
	MIR27A

	MDM2
	CXCR4
	MCL1
	CXCL12
	MET
	CBL
	NOTCH1
	CD247
	MEN1
	TGFBR2
	SRC
	CCR7
	IL15
	MIR29C
	MMP12
	MMP8
	MTOR
	U2AF1
	SELE
	LCN2
	STAT4
	CD274
	CCR3
	TNFSF13B
	TP73
	H2AC18
	CD40
	TPO
	IGHE
	VCAM1
	CD59
	SLC17A5
	SERPINE1
	TGFB3
	LPL
	CD28
	IL7R
	PDE4A
	TNFSF10
	SMAD3
	BIRC5
	CCN2
	SELP
	GSTT1
	BAX
	DNMT3A
	MAPK14

	CCKBR
	EZH2
	CXCL2
	IRF4
	PTPRC
	IL12RB1
	IL7
	BCL2L1
	HMGB1
	MIR196A2
	SLC6A4
	SAA1
	MUC7
	CIITA
	ADH7
	SMAD4
	TLR5
	MYD88
	TFF1
	HSPB1
	DEFA5
	HGF
	SOD2
	CXCR2
	GATA3
	MIR221
	ITGB2
	SFTPD
	GGT1
	MIR30A
	CCK
	CYP2E1
	KIR3DL1
	HSP90AA1
	APC
	FOXJ1
	IL12A
	MT-CYB
	TLR9
	MIR92A1
	ITGAL
	ERBB3
	TP63
	SELL
	TNFRSF13B
	MIR125A
	SH2D1A

	SKIC2
	IP08
	MIR129-1
	IL12B
	CDKN1A
	ADA2
	CARD8
	MMP3
	HP
	FBN1
	CXCR1
	BCL2L11
	POMC
	ANXA5
	HDC
	PSAP
	FLG
	IL11
	TNFRSF10A
	CYP3A4
	CD44
	AGER
	ACTA2
	IL4R
	TG
	MIR199A1
	DNAH8
	IKBKG
	CEL
	ADAMTS13
	TNNT2
	MYH11
	CR1
	CASP1
	SNCA
	TRPV1
	CD14
	F3
	DOCK8
	MIR140
	MIR19A
	TIA1
	IGKC
	PARP1
	CRH
	COL4A3
	MAPK8

	BACH2
	CYP1A1
	IL21
	KRT18
	MIR150
	IL23R
	SOCS3
	TNNI3
	MIR148A
	GJB1
	AFP
	NFE2L2
	TH
	IL9
	CCL20
	MIR181A1
	SMAD2
	TTC7A
	ARSA
	CASP9
	TKT
	CD80
	VIP
	F5
	ADH1B
	RFXANK
	FGF2
	ACE2
	MIR144
	MIR195
	IL1R1
	MIR483
	NFKBIA
	BIRC3
	TLR1
	KRT7
	CARMIL2
	ALK
	LYZ
	DES
	CDKN2B
	TNFAIP3
	MALT1
	CDKN1B
	ALDH2
	EPCAM
	CNR1

	SDC1
	TERC
	MAGT1
	CYP1A2
	TXN
	JUN
	NUP160
	S100A9
	CCND2
	IL10RA
	HSPD1
	HAVCR2
	MIR127
	BMPR2
	MIR200B
	ENTPD1
	MT-CO1
	HIF1A
	IGHG2
	MLH1
	MIR224
	EPX
	NOX1
	BAK1
	SLC26A9
	CYCS
	IL23A
	XRCC1
	CD55
	SHH
	MIR23B
	IL6ST
	MIR29B1
	DNMT1
	RIGI
	BCL6
	ERCC2
	SERPINC1
	MIR18A
	CCR4
	PRF1
	GNAS
	INF2
	KRT8
	LGALS3
	TNFRSF8
	CD27

	ITGAX
	MIR9-1
	CCL19
	IDO1
	HDAC2
	NOTCH3
	CHRM3
	ACVRL1
	PLA2G4A
	BRCA1
	CFLAR
	TIMP2
	CYSLTR1
	MX1
	SKIC3
	RASGRP1
	TFAM
	CCL17
	GH1
	IGF2
	SKP2
	CFAP298-TCP10L
	CD46
	CD209
	ARG1
	TNFSF4
	BMP6
	SIGLEC8
	ERCC6
	TGM2
	HCRT
	DUOX2
	IKBKB
	PLAU
	DNTT
	FOS
	MSH2
	OGG1
	MIR34B
	ERCC1
	PLAT
	MIR486-1
	PCNA
	EPOR
	HMGCR
	CMA1
	IGFBP1

	HOTAIR
	MT-TK
	MIR22
	DEF6
	IL37
	CXCR5
	MIRLET7A1
	IL22
	RFX5
	MIR141
	GNPTAB
	SQSTM1
	THBS1
	FLNC
	CPOX
	BMI1
	EDAR
	AQP4
	PEPD
	PTK2
	TOR1A
	GSN
	MIR24-1
	CXCL13
	NQO1
	IL1RAPL2
	COL5A1
	IL19
	UGT1A6
	GAD1
	PPIG
	FGF7
	CDK1
	MIR23A
	GAD2
	PSMB9
	TCN1
	CCL26
	UBD
	TNFSF13
	MMP7
	APOH
	CAV1
	CDKN1C
	PTK2B
	F2RL1
	MIR193A

	MUC4
	FCER1A
	PDX1
	BCL10
	HSPA1A
	ITK
	TREM1
	CCL24
	MIR25
	CEBPB
	SIGLEC5
	B3GAT1
	KIR2DL3
	NUDT10
	PLK1
	STING1
	SMO
	LACTB
	OTULIN
	STK11
	SLC2A1
	MIR214
	STX3
	NOTCH2
	MAP2K1
	PTPN2
	CCL4
	XDH
	IL1RL1
	TCF4
	CD84
	SOCS2
	FUT2
	RNASE2
	CD69
	CYP11A1
	APEX1
	MIR31
	RBCK1
	ADORA2A
	MIR331
	CBLIF
	KRT19
	CTPS1
	IGES
	CYP21A2
	GLI2

	KRT20
	ANXA1
	XRCC3
	AGK
	MIR222
	S100A12
	GCG
	IRAK1
	ITGAE
	MIR15B
	GJA1
	MAPK3
	CHUK
	MIR133A1
	HOXA10
	CHEK2
	HSPA5
	LOC110806262
	CYP17A1
	TIMP3
	MIR10B
	ETS1
	CD68
	ITGB1
	COX5A
	MGMT
	MUC2
	USP7
	MIR204
	BIRC2
	RORC
	CCL21
	MIR197
	BAG1
	LMNB1
	MIR338
	DDC
	MIR423
	CHIT1
	RUNX3
	MIR532
	MKI67
	MIR93
	MIR215
	LGALS1
	CTSK
	MIR182

	DNMT3B
	IGHV4-38-2
	DEFB103B
	GLMN
	YAP1
	LDLR
	NUP107
	PALB2
	MSR1
	MIR186
	ENO2
	CYP2C9
	NTS
	TPH1
	MIR181C
	MYO5B
	MIR574
	TRAF6
	ACTC1
	HSPG2
	CTSB
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	MLN
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	NUP85
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	RNF31
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	ERCC5
	VIM
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	TLR6
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	AMN
	POU5F1
	CNTF
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	CBS
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	ZBTB24
	STXBP2
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	BDKRB2
	TCF7L2
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	SLC2A10
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	APOA4

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	GYPC
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	MMP10
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	KIR2DL4
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	CALB2
	AP3B1
	ENO1
	CNR2
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	IL12RB2
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	PRKAA1
	GLI1
	PYY
	FOXP2
	TRAF3
	RNASE7
	LGALS9
	APOA2
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	OMP
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	DAPK1
	RAB7A
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	CAMK2G
	CCNB1
	CTNND1
	HSPE1
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	SI
	FTL
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	MIR200A
	KCNE2
	LPO
	SSPN
	MIR185

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	CTSL
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	EXOSC3
	PAK1
	MIR200C
	PRKCH
	TNXB
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	SLC4A2
	PLCG1
	BMAL1
	CANT1
	RIPK3

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	HDAC6
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	ITGA1
	NROB2
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	SIRT3
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	ST2
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	BLZF1
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	PTPRN
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	POU2F1

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	SCTR
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	PRKCZ
	MPIG6B
	SLAMF6
	MRPL13
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	MIR27B
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	PTGES3
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	REG4
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	THBS4
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	PIAS1
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	CHD1
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	MIR1207
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	LIPG
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	LECT2
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	GATA5

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	HNRNPDL
	PIWIL1
	OGT
	SNRPA
	GABPA
	DXO
	BCL9
	ERC2
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	HCRTR2
	CTAG1B
	WNT2
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	KRT71
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	AAAS
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	AURKB
	MIR429

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	FPR3
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	MMP24
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	PREX2

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