

Supplementary Table 1. Calculation of disease activity index score

Score	Weight loss	Stool Consistency	Occult/Gross Bleeding
0	Normal	Normal (well-formed pellets)	Not observed
1	1-5%	Normal	Not observed
2	6-10%	Loose stools	Occult
3	11-15%	Loose stools	Occult
4	> 15%	Diarrhea (Liquid stools that stick to the anus)	Gross bleeding

Supplementary Table 2. List of Primer sequences used in this study

NO	Gene		Primer sequence	Primer length (bp)
1	IRAK1	Forward	TGGTAATACTGGAGACCCTTGC	22
		Reverse	GCATCCGTGGCTACACCC	18
2	TRAF2	Forward	ATCCACCTATGATGGGGTCTTC	22
		Reverse	TCGCCATTCAAGTAGACTCGTAG	23
3	TRAF6	Forward	TAACCTTGCTTTGCGTCCG	19
		Reverse	TCCGAATGGTCCGTTTGAG	19
4	NF- κ B	Forward	GTGGAGGCATGTTCCGGTAGTG	21
		Reverse	TCTTGGCACAATCTTTAGGGC	21
5	I κ B	Forward	ATGCCTCAGATACCTACCTCACTC	24
		Reverse	AGCTTCTAGTTGTAGCCTCCAGTC	24
6	TNF- α	Forward	TGGTGACCAGGCTGTCGCTACA	22
		Reverse	TACAGTCACGGCTCCCGTGGG	21
7	IL-1 β	Forward	GCTTCAGGCAGGCAGTATCA	20
		Reverse	TGCAGTTGTCTAATGGGAACG	21
8	IL-6	Forward	GGCATCTTCGTCCTCCGTC	18
		Reverse	GCCAACAGTAGCCTTCACCC	20
9	ACTIN	Forward	GAGACCTTCAACACCCAGC	20
		Reverse	ATGTCACGCACGATTCCC	19

Supplementary Table 3. Candidate compounds of each ingredient in AMP

NO	Herbname	Chemname	Molecule ID	DL	CID	InChIKey
1	Ampelopsis grossedentata	ampelopsin	MOL013374	0.3087	161557	KJXSIXMJHKAJOD-LSDHHAUSA-N
2	Ampelopsis grossedentata	myricetin	MOL002008	0.3106	5281672	IKMDFBPHZNJCSN-UHFFFAOYSA-N
3	Ampelopsis grossedentata	quercetin	MOL000098	0.2753	5280343	REFJWTPEDVJJIY-UHFFFAOYSA-N
4	Ampelopsis grossedentata	taxifolin	MOL004576	0.2735	439533	CXQWRCVTCMQVQX-LSDHHAUSA-N

Supplementary Table 4. Potential Targets of each ingredient in AMP

NO	Herbname	Candidate Compound Name	Uniprot ID	Target Gene Name
1	Ampelopsis grossedentata	ampelopsin	P10275	AR
2	Ampelopsis grossedentata	ampelopsin	P00918	CA2
3	Ampelopsis grossedentata	ampelopsin	P24941	CDK2
4	Ampelopsis grossedentata	ampelopsin	Q96BR5	COA7
5	Ampelopsis grossedentata	ampelopsin	P27487	DPP4
6	Ampelopsis grossedentata	ampelopsin	P03372	ESR1
7	Ampelopsis grossedentata	ampelopsin	Q92731	ESR2
8	Ampelopsis grossedentata	ampelopsin	P09038	FGF2
9	Ampelopsis grossedentata	ampelopsin	P49841	GSK3B
10	Ampelopsis grossedentata	ampelopsin	Q16539	MAPK14
11	Ampelopsis grossedentata	ampelopsin	P35228	NOS2
12	Ampelopsis grossedentata	ampelopsin	P48736	PIK3CG
13	Ampelopsis grossedentata	ampelopsin	P11309	PIM1
14	Ampelopsis grossedentata	ampelopsin	P37231	PPARG
15	Ampelopsis grossedentata	ampelopsin	P35354	PTGS2
16	Ampelopsis grossedentata	ampelopsin	P18031	PTPN1
17	Ampelopsis grossedentata	ampelopsin	P11388	TOP2A
18	Ampelopsis grossedentata	ampelopsin	P15692	VEGFA
19	Ampelopsis grossedentata	myricetin	P15121	AKR1B1
20	Ampelopsis grossedentata	myricetin	P10275	AR
21	Ampelopsis grossedentata	myricetin	P00918	CA2
22	Ampelopsis grossedentata	myricetin	P20248	CCNA2
23	Ampelopsis grossedentata	myricetin	P24941	CDK2
24	Ampelopsis grossedentata	myricetin	Q96BR5	COA7
25	Ampelopsis grossedentata	myricetin	P27487	DPP4
26	Ampelopsis grossedentata	myricetin	P03372	ESR1
27	Ampelopsis grossedentata	myricetin	Q92731	ESR2
28	Ampelopsis grossedentata	myricetin	P49841	GSK3B
29	Ampelopsis grossedentata	myricetin	P08238	HSP90AB1
30	Ampelopsis grossedentata	myricetin	P01584	IL1B
31	Ampelopsis grossedentata	myricetin	P05231	IL6
32	Ampelopsis grossedentata	myricetin	P05412	JUN
33	Ampelopsis grossedentata	myricetin	Q16539	MAPK14
34	Ampelopsis grossedentata	myricetin	P08253	MMP2
35	Ampelopsis grossedentata	myricetin	Q15596	NCOA2
36	Ampelopsis grossedentata	myricetin	P35228	NOS2
37	Ampelopsis grossedentata	myricetin	P35558	PCK1
38	Ampelopsis grossedentata	myricetin	P48736	PIK3CG
39	Ampelopsis grossedentata	myricetin	P11309	PIM1
40	Ampelopsis grossedentata	myricetin	P37231	PPARG
41	Ampelopsis grossedentata	myricetin	P04070	PROC
42	Ampelopsis grossedentata	myricetin	P23219	PTGS1
43	Ampelopsis grossedentata	myricetin	P35354	PTGS2
44	Ampelopsis grossedentata	myricetin	P18031	PTPN1

45	Ampelopsis grossedentata	myricetin	P07101	TH
46	Ampelopsis grossedentata	myricetin	P01375	TNF
47	Ampelopsis grossedentata	myricetin	P11387	TOP1
48	Ampelopsis grossedentata	myricetin	P11388	TOP2A
49	Ampelopsis grossedentata	myricetin	P47989	XDH
50	Ampelopsis grossedentata	quercetin	Q13085	ACACA
51	Ampelopsis grossedentata	quercetin	P22303	ACHE
52	Ampelopsis grossedentata	quercetin	P15309	ACPP
53	Ampelopsis grossedentata	quercetin	P07550	ADRB2
54	Ampelopsis grossedentata	quercetin	P35869	AHR
55	Ampelopsis grossedentata	quercetin	P15121	AKR1B1
56	Ampelopsis grossedentata	quercetin	P09917	ALOX5
57	Ampelopsis grossedentata	quercetin	P10275	AR
58	Ampelopsis grossedentata	quercetin	P10415	BCL2
59	Ampelopsis grossedentata	quercetin	P00918	CA2
60	Ampelopsis grossedentata	quercetin	P13500	CCL2
61	Ampelopsis grossedentata	quercetin	P20248	CCNA2
62	Ampelopsis grossedentata	quercetin	P06493	CDK1
63	Ampelopsis grossedentata	quercetin	P24941	CDK2
64	Ampelopsis grossedentata	quercetin	O60341	CHEK1
65	Ampelopsis grossedentata	quercetin	Q96BR5	COA7
66	Ampelopsis grossedentata	quercetin	P02452	COL1A1
67	Ampelopsis grossedentata	quercetin	P02461	COL3A1
68	Ampelopsis grossedentata	quercetin	P07339	CTSD
69	Ampelopsis grossedentata	quercetin	P05177	CYP1A2
70	Ampelopsis grossedentata	quercetin	P08684	CYP3A4
71	Ampelopsis grossedentata	quercetin	P27487	DPP4
72	Ampelopsis grossedentata	quercetin	P01133	EGF
73	Ampelopsis grossedentata	quercetin	P00533	EGFR
74	Ampelopsis grossedentata	quercetin	P03372	ESR1
75	Ampelopsis grossedentata	quercetin	Q92731	ESR2
76	Ampelopsis grossedentata	quercetin	P00742	F10
77	Ampelopsis grossedentata	quercetin	P13726	F3
78	Ampelopsis grossedentata	quercetin	P08709	F7
79	Ampelopsis grossedentata	quercetin	P14867	GABRA1
80	Ampelopsis grossedentata	quercetin	P17302	GJA1
81	Ampelopsis grossedentata	quercetin	P49841	GSK3B
82	Ampelopsis grossedentata	quercetin	P09488	GSTM1
83	Ampelopsis grossedentata	quercetin	P28161	GSTM2
84	Ampelopsis grossedentata	quercetin	P09211	GSTP1
85	Ampelopsis grossedentata	quercetin	P09601	HMOX1
86	Ampelopsis grossedentata	quercetin	P09601	HMOX1
87	Ampelopsis grossedentata	quercetin	P08238	HSP90AB1
88	Ampelopsis grossedentata	quercetin	P11021	HSPA5
89	Ampelopsis grossedentata	quercetin	P01579	IFNG
90	Ampelopsis grossedentata	quercetin	P01584	IL1B

91	Ampelopsis grossedentata	quercetin	P60568	IL2
92	Ampelopsis grossedentata	quercetin	P05231	IL6
93	Ampelopsis grossedentata	quercetin	P06213	INSR
94	Ampelopsis grossedentata	quercetin	P05412	JUN
95	Ampelopsis grossedentata	quercetin	Q12809	KCNH2
96	Ampelopsis grossedentata	quercetin	Q12809	KCNH2
97	Ampelopsis grossedentata	quercetin	P27338	MAOB
98	Ampelopsis grossedentata	quercetin	P28482	MAPK1
99	Ampelopsis grossedentata	quercetin	Q16539	MAPK14
100	Ampelopsis grossedentata	quercetin	O43451	MGAM
101	Ampelopsis grossedentata	quercetin	P03956	MMP1
102	Ampelopsis grossedentata	quercetin	P08253	MMP2
103	Ampelopsis grossedentata	quercetin	P08254	MMP3
104	Ampelopsis grossedentata	quercetin	P05164	MPO
105	Ampelopsis grossedentata	quercetin	Q15596	NCOA2
106	Ampelopsis grossedentata	quercetin	P35228	NOS2
107	Ampelopsis grossedentata	quercetin	P29474	NOS3
108	Ampelopsis grossedentata	quercetin	P15559	NQO1
109	Ampelopsis grossedentata	quercetin	P11926	ODC1
110	Ampelopsis grossedentata	quercetin	P48736	PIK3CG
111	Ampelopsis grossedentata	quercetin	P11309	PIM1
112	Ampelopsis grossedentata	quercetin	P00750	PLAT
113	Ampelopsis grossedentata	quercetin	P00749	PLAU
114	Ampelopsis grossedentata	quercetin	P27169	PON1
115	Ampelopsis grossedentata	quercetin	P16435	POR
116	Ampelopsis grossedentata	quercetin	P37231	PPARG
117	Ampelopsis grossedentata	quercetin	P17612	PRKACA
118	Ampelopsis grossedentata	quercetin	P07477	PRSS1
119	Ampelopsis grossedentata	quercetin	P43115	PTGER3
120	Ampelopsis grossedentata	quercetin	P23219	PTGS1
121	Ampelopsis grossedentata	quercetin	P35354	PTGS2
122	Ampelopsis grossedentata	quercetin	P18031	PTPN1
123	Ampelopsis grossedentata	quercetin	P06400	RB1
124	Ampelopsis grossedentata	quercetin	P19793	RXRA
125	Ampelopsis grossedentata	quercetin	Q14524	SCN5A
126	Ampelopsis grossedentata	quercetin	P16581	SELE
127	Ampelopsis grossedentata	quercetin	P00441	SOD1
128	Ampelopsis grossedentata	quercetin	P49888	SULT1E1
129	Ampelopsis grossedentata	quercetin	P07204	THBD
130	Ampelopsis grossedentata	quercetin	P01375	TNF
131	Ampelopsis grossedentata	quercetin	P11387	TOP1
132	Ampelopsis grossedentata	quercetin	P11388	TOP2A
133	Ampelopsis grossedentata	quercetin	P04637	TP53
134	Ampelopsis grossedentata	quercetin	P19320	VCAM1
135	Ampelopsis grossedentata	quercetin	P15692	VEGFA
136	Ampelopsis grossedentata	quercetin	P47989	XDH

137	Ampelopsis grossedentata	taxifolin	P15121	AKR1B1
138	Ampelopsis grossedentata	taxifolin	P10275	AR
139	Ampelopsis grossedentata	taxifolin	P00918	CA2
140	Ampelopsis grossedentata	taxifolin	P20248	CCNA2
141	Ampelopsis grossedentata	taxifolin	P24941	CDK2
142	Ampelopsis grossedentata	taxifolin	Q96BR5	COA7
143	Ampelopsis grossedentata	taxifolin	P27487	DPP4
144	Ampelopsis grossedentata	taxifolin	P03372	ESR1
145	Ampelopsis grossedentata	taxifolin	Q92731	ESR2
146	Ampelopsis grossedentata	taxifolin	P49841	GSK3B
147	Ampelopsis grossedentata	taxifolin	P08238	HSP90AB1
148	Ampelopsis grossedentata	taxifolin	Q16539	MAPK14
149	Ampelopsis grossedentata	taxifolin	P35228	NOS2
150	Ampelopsis grossedentata	taxifolin	P48736	PIK3CG
151	Ampelopsis grossedentata	taxifolin	P11309	PIM1
152	Ampelopsis grossedentata	taxifolin	P37231	PPARG
153	Ampelopsis grossedentata	taxifolin	P23219	PTGS1
154	Ampelopsis grossedentata	taxifolin	P35354	PTGS2
155	Ampelopsis grossedentata	taxifolin	P18031	PTPN1
156	Ampelopsis grossedentata	taxifolin	P19793	RXRA

Supplementary Table 5. Putative targets of AMP

NO	Uniprot ID	Target Protein Name	Target Gene Name
1	Q13085	Acetyl-CoA carboxylase 1	ACACA
2	P22303	Acetylcholinesterase	ACHE
3	P15309	Prostatic acid phosphatase	ACPP
4	P07550	Beta-2 adrenergic receptor	ADRB2
5	P35869	Aryl hydrocarbon receptor	AHR
6	P09917	Arachidonate 5-lipoxygenase	ALOX5
7	P10415	Apoptosis regulator Bcl-2	BCL2
8	P13500	C-C motif chemokine 2	CCL2
9	P06493	Cell division control protein 2 homolog	CDK1
10	O60341	Serine/threonine-protein kinase Chk1	CHEK1
11	P02452	Collagen alpha-1(I) chain	COL1A1
12	P02461	Collagen alpha-1(III) chain	COL3A1
13	P07339	Cathepsin D	CTSD
14	P05177	Cytochrome P450 1A2	CYP1A2
15	P08684	Cytochrome P450 3A4	CYP3A4
16	P01133	Pro-epidermal growth factor	EGF
17	P00533	Epidermal growth factor receptor	EGFR
18	P00742	Coagulation factor Xa	F10
19	P13726	Tissue factor	F3
20	P08709	Coagulation factor VII	F7
21	P14867	Gamma-aminobutyric acid receptor subunit alpha-1	GABRA1
22	P17302	Gap junction alpha-1 protein	GJA1

23	P09488	Glutathione S-transferase Mu 1	GSTM1
24	P28161	Glutathione S-transferase Mu 2	GSTM2
25	P09211	Glutathione S-transferase P	GSTP1
26	P09601	Heme oxygenase 1	HMOX1
27	P11021	78 kDa glucose-regulated protein	HSPA5
28	P01579	Interferon gamma	IFNG
29	P60568	Interleukin-2	IL2
30	P06213	Insulin receptor	INSR
31	Q12809	Potassium voltage-gated channel subfamily H member 2	KCNH2
32	P27338	Amine oxidase [flavin-containing] B	MAOB
33	P28482	Mitogen-activated protein kinase 1	MAPK1
34	O43451	Maltase-glucoamylase, intestinal	MGAM
35	P03956	Interstitial collagenase	MMP1
36	P08254	Stromelysin-1	MMP3
37	P05164	Myeloperoxidase	MPO
38	P29474	Nitric-oxide synthase, endothelial	NOS3
39	P15559	NAD(P)H dehydrogenase [quinone] 1	NQO1
40	P11926	Ornithine decarboxylase	ODC1
41	P00750	Tissue-type plasminogen activator	PLAT
42	P00749	Urokinase-type plasminogen activator	PLAU
43	P27169	Serum paraoxonase/arylesterase 1	PON1
44	P16435	NADPH--cytochrome P450 reductase	POR
45	P17612	mRNA of PKA Catalytic Subunit C-alpha	PRKACA
46	P07477	Trypsin-1	PRSS1
47	P43115	Prostaglandin E2 receptor EP3 subtype	PTGER3
48	P06400	Retinoblastoma-associated protein	RB1
49	P19793	Retinoic acid receptor RXR-alpha	RXRA
50	Q14524	Sodium channel protein type 5 subunit alpha	SCN5A
51	P16581	E-selectin	SELE
52	P00441	Superoxide dismutase [Cu-Zn]	SOD1
53	P49888	Estrogen sulfotransferase	SULT1E1
54	P07204	Thrombomodulin	THBD
55	P04637	Cellular tumor antigen p53	TP53
56	P19320	Vascular cell adhesion protein 1	VCAM1
57	P15121	Aldose reductase	AKR1B1
58	P20248	Cyclin-A2	CCNA2
59	P08238	Heat shock protein HSP 90	HSP90AB1
60	P01584	Interleukin-1 beta	IL1B
61	P05231	Interleukin-6	IL6
62	P05412	Transcription factor AP-1	JUN
63	P08253	72 kDa type IV collagenase	MMP2
64	Q15596	Nuclear receptor coactivator 2	NCOA2
65	P35558	Phosphoenolpyruvate carboxykinase, cytosolic [GTP]	PCK1
66	P04070	Vitamin K-dependent protein C	PROC
67	P23219	Prostaglandin G/H synthase 1	PTGS1
68	P07101	Tyrosine 3-monooxygenase	TH

69	P01375	Tumor necrosis factor	TNF
70	P11387	DNA topoisomerase 1	TOP1
71	P47989	Xanthine dehydrogenase/oxidase	XDH
72	P10275	Androgen receptor	AR
73	P00918	Carbonic anhydrase II	CA2
74	P24941	Cell division protein kinase 2	CDK2
75	Q96BR5	Beta-lactamase	COA7
76	P27487	Dipeptidyl peptidase IV	DPP4
77	P03372	Estrogen receptor	ESR1
78	Q92731	Estrogen receptor beta	ESR2
79	P09038	Heparin-binding growth factor 2	FGF2
80	P49841	Glycogen synthase kinase-3 beta	GSK3B
81	Q16539	Mitogen-activated protein kinase 14	MAPK14
82	P35228	Nitric oxide synthase, inducible	NOS2
83	P48736	Phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit, gamma isoform	PIK3CG
84	P11309	Proto-oncogene serine/threonine-protein kinase Pim-1	PIM1
85	P37231	Peroxisome proliferator activated receptor gamma	PPARG
86	P35354	Prostaglandin G/H synthase 2	PTGS2
87	P18031	mRNA of Protein-tyrosine phosphatase, non-receptor type 1	PTPN1
88	P11388	DNA topoisomerase II	TOP2A
89	P15692	Vascular endothelial growth factor A	VEGFA

Supplementary Table 6. Known UC-related targets

NO	Uniprot ID	Target Protein Name	Target Gene Name
1	P08183	Multidrug resistance protein 1	ABCB1
2	P12821	Angiotensin-converting enzyme	ACE
3	Q06278	Aldehyde oxidase	AOX1
4	P25054	Adenomatous polyposis coli protein	APC
5	P04114	Apolipoprotein B-100	APOB
6	P02649	Apolipoprotein E	APOE
7	O15144	Actin-related protein 2/3 complex subunit 2	ARPC2
8	P01024	Complement C3	C3
9	P51681	C-C chemokine receptor type 5	CCR5
10	P08571	Monocyte differentiation antigen CD14	CD14
11	P08603	Complement factor H	CFH
12	Q2KHT3	Protein CLEC16A	CLEC16A
13	P16410	Cytotoxic T-lymphocyte protein 4	CTLA4
14	P43146	Netrin receptor DCC	DCC
15	Q01523	Defensin-5	DEFA5
16	Q8TDM6	Disks large homolog 5	DLG5
17	P00488	Coagulation factor XIII A chain	F13A1
18	P05160	Coagulation factor XIII B chain	F13B
19	Q9KS12	Prothrombin	F2
20	P12259	Coagulation factor V	F5
21	O00519	Fatty-acid amide hydrolase 1	FAAH

22	Q96P31	Fc receptor-like protein 3	FCRL3
23	P02675	Fibrinogen beta chain	FGB
24	P20930	Filaggrin	FLG
25	P08151	Zinc finger protein GLI1	GLI1
26	P29084	Transcription initiation factor IIE subunit beta	GTF2E2
27	O95714	E3 ubiquitin-protein ligase HERC2	HERC2
28	P01889	HLA class I histocompatibility antigen, B-7 alpha chain	HLA-B
29	P20036	HLA class II histocompatibility antigen, DP alpha 1 chain	HLA-DPA1
30	P01920	HLA class II histocompatibility antigen, DQ beta 1 chain	HLA-DQB1
31	P01903	HLA class II histocompatibility antigen, DR alpha chain	HLA-DRA
32	Q9GIY3	HLA class II histocompatibility antigen, DRB1-14 beta chain	HLA-DRB1
33	P17693	HLA class I histocompatibility antigen, alpha chain G	HLA-G
34	P09601	Heme oxygenase 1	HMOX1
35	P41235	Hepatocyte nuclear factor 4-alpha	HNF4A
36	P50135	Histamine N-methyltransferase	HNMT
37	P00738	Haptoglobin	HP
38	P00492	Hypoxanthine-guanine phosphoribosyltransferase	HPRT1
39	P54652	Heat shock-related 70 kDa protein 2	HSPA2
40	P05362	Intercellular adhesion molecule 1	ICAM1
41	Q01628	Interferon-induced transmembrane protein 3	IFITM3
42	P01579	Interferon gamma	IFNG
43	P15260	Interferon gamma receptor 1	IFNGR1
44	O95976	Immunoglobulin superfamily member 6	IGSF6
45	Q5ST97	Nuclear factor of kappa light polypeptide gene enhancer	IKBL
46	P22301	Interleukin-10	IL10
47	Q13651	Interleukin-10 receptor subunit alpha	IL10RA
48	P20809	Interleukin-11	IL11
49	P29460	Interleukin-12 subunit beta	IL12B
50	P35225	Interleukin-13	IL13
51	Q14116	Interleukin-18	IL18
52	O95256	Interleukin-18 receptor accessory protein	IL18RAP
53	P01584	Interleukin-1 beta	IL1B
54	P14778	Interleukin-1 receptor type 1	IL1R1
55	P18510	Interleukin-1 receptor antagonist protein	IL1RN
56	P60568	Interleukin-2	IL2
57	Q9HBE4	Interleukin-21	IL21
58	Q5VWK5	Interleukin-23 receptor	IL23R
59	P01589	Interleukin-2 receptor subunit alpha	IL2RA
60	P14784	Interleukin-2 receptor subunit beta	IL2RB
61	P07750	Interleukin-4	IL4
62	P24394	Interleukin-4 receptor subunit alpha	IL4R
63	P05113	Interleukin-5	IL5
64	P10145	Interleukin-8	IL8
65	A1A4Y4	Immunity-related GTPase family M protein	IRGM
66	P20701	Integrin alpha-L	ITGAL
67	P05106	Integrin beta-3	ITGB3

68	P26010	Integrin beta-7	ITGB7
69	Q9BY32	Inosine triphosphate pyrophosphatase	ITPA
70	O60674	Tyrosine-protein kinase JAK2	JAK2
71	P01116	GTPase KRas	KRAS
72	P49257	Protein ERGIC-53	LMAN1
73	P01374	Lymphotoxin-alpha	LTA
74	Q13233	Mitogen-activated protein kinase kinase kinase 1	MAP3K1
75	O15553	Pyrin	MEFV
76	P40692	DNA mismatch repair protein Mlh1	MLH1
77	P26927	Hepatocyte growth factor-like protein	MST1
78	P42898	Methylenetetrahydrofolate reductase	MTHFR
79	Q02505	Mucin-3A	MUC3A
80	P11245	Arylamine N-acetyltransferase 2	NAT2
81	Q15080	Neutrophil cytosol factor 4	NCF4
82	Q92832	Protein kinase C-binding protein NELL1	NELL1
83	Q16236	Nuclear factor erythroid 2-related factor 2	NFE2L2
84	P19838	Nuclear factor NF-kappa-B p105 subunit	NFKB1
85	P25963	NF-kappa-B inhibitor alpha	NFKBIA
86	Q9UBC1	NF-kappa-B inhibitor-like protein 1	NFKBIL1
87	Q96P20	NACHT, LRR and PYD domains-containing protein 3	NLRP3
88	Q9Y239	Nucleotide-binding oligomerization domain-containing protein 1	NOD1
89	Q9HC29	Nucleotide-binding oligomerization domain-containing protein 2	NOD2
90	P29475	Nitric oxide synthase, brain	NOS1
91	P35228	Nitric oxide synthase, inducible	NOS2A
92	P29474	Nitric oxide synthase, endothelial	NOS3
93	Q99466	Neurogenic locus notch homolog protein 4	NOTCH4
94	O75469	Nuclear receptor subfamily 1 group I member 2	NR1I2
95	P16284	Platelet endothelial cell adhesion molecule	PECAM1
96	Q13093	Platelet-activating factor acetylhydrolase	PLA2G7
97	P00750	Tissue-type plasminogen activator	PLAT
98	P27169	Serum paraoxonase/arylesterase 1	PON1
99	Q15165	Serum paraoxonase/arylesterase 2	PON2
100	P37231	Peroxisome proliferator-activated receptor gamma	PPARG
101	O95456	Proteasome assembly chaperone 1	PSMG1
102	P35354	Prostaglandin G/H synthase2	PTGS2
103	Q9Y2R2	Tyrosine-protein phosphatase non-receptor type 22	PTPN22
104	P08575	Receptor-type tyrosine-protein phosphatase C	PTPRC
105	Q96HR9	Receptor expression-enhancing protein 6	REEP6
106	P05121	Plasminogen activator inhibitor 1	SERPINE1
107	P49279	Natural resistance-associated macrophage protein 1	SLC11A1
108	Q9H015	Solute carrier family 22 member 4	SLC22A4
109	O76082	Solute carrier family 22 member 5	SLC22A5
110	Q4U2R8	Solute carrier family 22 member 6	SLC22A6
111	Q15796	Mothers against decapentaplegic homolog2	SMAD2
112	P42226	Signal transducer and activator of transcription 6	STAT6
113	P01137	Transforming growth factor beta-1	TGFB1

114	P01033	Metalloproteinase inhibitor 1	TIMP1
115	O60603	Toll-like receptor 2	TLR2
116	O00206	Toll-like receptor 4	TLR4
117	P01375	Tumor necrosis factor	TNF
118	P19438	Tumor necrosis factor receptor superfamily member 1A	TNFRSF1A
119	P20333	Tumor necrosis factor receptor superfamily member 1B	TNFRSF1B
120	O95150	Tumor necrosis factor ligand superfamily member 15	TNFSF15
121	P04637	Cellular tumor antigen p53	TP53
122	P51580	Thiopurine S-methyltransferase	TPMT
123	P15692	Vascular endothelial growth factor A	VEGFA
