

Additional file 1 Chemical information of main compounds in Ba Zhen Tang

Herb	MOL ID	Molecule name	MW	OB (%)	DL	
BS	MOL001910	11alpha,12alpha-epoxy-3beta-23-dihydroxy-30-norolean-20-en-28,12beta-olide	470.71	64.77	0.38	
	MOL001918	paeoniflorgenone	318.35	87.59	0.37	
	MOL001919	(3S,5R,8R,9R,10S,14S)-3,17-dihydroxy-4,4,8,10,14-pentamethyl-2,3,5,6,7,9-hexahydro-1H-cyclopenta[a]phenanthrene-15,16-dione	358.52	43.56	0.53	
	MOL001921	Lactiflorin	462.49	49.12	0.8	
	MOL001924	paeoniflorin	480.51	53.87	0.79	
	MOL001925	paeoniflorin_qt	318.35	68.18	0.4	
	MOL001928	albiflorin_qt	318.35	66.64	0.33	
	MOL001930	benzoyl paeoniflorin	584.62	31.27	0.75	
	MOL000211	Mairin	456.78	55.38	0.78	
	MOL000358	beta-sitosterol	414.79	36.91	0.75	
	MOL000359	sitosterol	414.79	36.91	0.75	
	MOL000422	kaempferol	286.25	41.88	0.24	
	MOL000492	(+)-catechin	290.29	54.83	0.24	
	RS	MOL005401	ginsenoside Rg5_qt	442.8	39.56	0.79
		MOL005399	alexandrin_qt	414.79	36.91	0.75
		MOL005384	suchilactone	368.41	57.52	0.56
		MOL005376	Panaxadiol	460.82	33.09	0.79
		MOL005360	malkangunin	432.56	57.71	0.63
		MOL005357	Gomisin B	514.62	31.99	0.83
MOL005356		Girinimbina	263.36	61.22	0.31	
MOL005348		Ginsenoside-Rh4_qt	458.8	31.11	0.78	
MOL005344		ginsenoside rh2	622.98	36.32	0.56	
MOL005321		Frutinone A	264.24	65.9	0.34	
MOL005320		arachidonate	304.52	45.57	0.2	
MOL005318		Dianthramine	289.26	40.45	0.2	
MOL005317		Deoxyharringtonine	515.66	39.27	0.81	
MOL005314		Celabenzine	379.55	101.88	0.49	
MOL005308		Aposiopolamine	271.34	66.65	0.22	
MOL004492		Chrysanthemaxanthin	584.96	38.72	0.58	
MOL003648		Inermin	284.28	65.83	0.54	
MOL002879		Diop	390.62	43.59	0.39	
MOL000787		Fumarine	353.4	59.26	0.83	
MOL000449		Stigmasterol	412.77	43.83	0.76	
MOL000422		kaempferol	286.25	41.88	0.24	
MOL000358		beta-sitosterol	414.79	36.91	0.75	
BZ		MOL000022	14-acetyl-12-senecioid-2E,8Z,10E-atractylentriol	356.45	63.37	0.3

	MOL000020	12-senecieryl-2E,8E,10E-atractylentriol	312.39	62.4	0.22
	MOL000021	14-acetyl-12-senecieryl-2E,8E,10E-atractylentriol	355.44	60.31	0.31
	MOL000049	3 β -acetoxyatractylone	274.39	54.07	0.22
	MOL000028	α -Amyrin	426.8	39.51	0.76
	MOL000033	(3S,8S,9S,10R,13R,14S,17R)-10,13-dimethyl-17-[(2R,5S)-5-propan-2-yl]octan-2-yl]-2,3,4,7,8,9,11,12,14,15,16,17-dodecahydro-1H-cyclopenta[a]phenanthren-3-ol	428.82	36.23	0.78
	MOL000072	8 β -ethoxy atractylenolide III	276.41	35.95	0.21
FL	MOL000300	dehydroeburicoic acid	453.75	44.17	0.83
	MOL000282	ergosta-7,22E-dien-3 β -ol	398.74	43.51	0.72
	MOL000283	Ergosterol peroxide	430.74	40.36	0.81
	MOL000275	trametenolic acid	456.78	38.71	0.8
	MOL000287	3 β -Hydroxy-24-methylene-8-lanostene-21-oic acid	470.81	38.7	0.81
	MOL000285	(2R)-2-[(5R,10S,13R,14R,16R,17R)-16-hydroxy-3-keto-4,4,10,13,14-pentamethyl-1,2,5,6,12,15,16,17-octahydrocyclopenta[a]phenanthren-17-yl]-5-isopropyl-hex-5-enoic acid	482.77	38.26	0.82
	MOL000292	poricoic acid C	482.77	38.15	0.75
	MOL000279	Cerevisterol	430.74	37.96	0.77
	MOL000296	hederagenin	414.79	36.91	0.75
	MOL000276	7,9(11)-dehydropachymic acid	526.83	35.11	0.81
	MOL000289	pachymic acid	528.85	33.63	0.81
	MOL000280	(2R)-2-[(3S,5R,10S,13R,14R,16R,17R)-3,16-dihydroxy-4,4,10,13,14-pentamethyl-2,3,5,6,12,15,16,17-octahydro-1H-cyclopenta[a]phenanthren-17-yl]-5-isopropyl-hex-5-enoic acid	484.79	31.07	0.82
	MOL000273	(2R)-2-[(3S,5R,10S,13R,14R,16R,17R)-3,16-dihydroxy-4,4,10,13,14-pentamethyl-2,3,5,6,12,15,16,17-octahydro-1H-cyclopenta[a]phenanthren-17-yl]-6-methylhept-5-enoic acid	470.76	30.93	0.81
	MOL000290	Poricoic acid A	498.77	30.61	0.76
	MOL000291	Poricoic acid B	484.74	30.52	0.75
DG	MOL000358	beta-sitosterol	414.79	36.91	0.75
	MOL000449	Stigmasterol	412.77	43.83	0.76
CX	MOL001494	Mandenol	308.56	42	0.19
	MOL002135	Myricanone	356.45	40.6	0.51
	MOL002140	Perlolirine	264.3	65.95	0.27
	MOL002151	senkyunone	326.52	47.66	0.24
	MOL002157	wallichilide	412.57	42.31	0.71

	MOL000359	sitosterol	414.79	36.91	0.75
	MOL000433	FA	441.45	68.96	0.71
SDH	MOL000359	sitosterol	414.79	36.91	0.75
	MOL000449	Stigmasterol	412.77	43.83	0.76
GC	MOL001484	Inermine	284.28	75.18	0.54
	MOL001792	DFV	256.27	32.76	0.18
	MOL000211	Mairin	456.78	55.38	0.78
	MOL002311	Glycyrol	366.39	90.78	0.67
	MOL000239	Jaranol	314.31	50.83	0.29
	MOL002565	Medicarpin	270.3	49.22	0.34
	MOL000354	isorhamnetin	316.28	49.6	0.31
	MOL000359	sitosterol	414.79	36.91	0.75
	MOL003656	Lupiwighteone	338.38	51.64	0.37
	MOL003896	7-Methoxy-2-methyl isoflavone	266.31	42.56	0.2
	MOL000392	formononetin	268.28	69.67	0.21
	MOL000417	Calycosin	284.28	47.75	0.24
	MOL000422	kaempferol	286.25	41.88	0.24
	MOL004328	naringenin	272.27	59.29	0.21
	MOL004805	(2S)-2-[4-hydroxy-3-(3-methylbut-2-enyl)phenyl]-8,8-dimethyl-2,3-dihydropyrano[2,3-f]chromen-4-one	390.51	31.79	0.72
	MOL004806	euchrenone	406.56	30.29	0.57
	MOL004808	glyasperin B	370.43	65.22	0.44
	MOL004810	glyasperin F	354.38	75.84	0.54
	MOL004811	Glyasperin C	356.45	45.56	0.4
	MOL004814	Isotrifoliol	298.26	31.94	0.42
	MOL004815	(E)-1-(2,4-dihydroxyphenyl)-3-(2,2-dimethylchromen-6-yl)prop-2-en-1-one	322.38	39.62	0.35
	MOL004820	kanzonols W	336.36	50.48	0.52
	MOL004824	(2S)-6-(2,4-dihydroxyphenyl)-2-(2-hydroxypropan-2-yl)-4-methoxy-2,3-dihydrofuro[3,2-g]chromen-7-one	384.41	60.25	0.63
	MOL004827	Semilicoisoflavone B	352.36	48.78	0.55
	MOL004828	Glepidotin A	338.38	44.72	0.35
	MOL004829	Glepidotin B	340.4	64.46	0.34
	MOL004833	Phaseolinisoflavan	324.4	32.01	0.45
	MOL004835	Glypallichalcone	284.33	61.6	0.19
	MOL004838	8-(6-hydroxy-2-benzofuranyl)-2,2-dimethyl-5-chromenol	308.35	58.44	0.38
	MOL004841	Licochalcone B	286.3	76.76	0.19
	MOL004848	licochalcone G	354.43	49.25	0.32

MOL004849	3-(2,4-dihydroxyphenyl)-8-(1,1-dimethylprop-2-enyl)-7-hydroxy-5-methoxy-coumarin	368.41	59.62	0.43
MOL004855	Licoricone	382.44	63.58	0.47
MOL004856	Gancaonin A	352.41	51.08	0.4
MOL004857	Gancaonin B	368.41	48.79	0.45
MOL004860	licorice glycoside E	693.71	32.89	0.27
MOL004863	3-(3,4-dihydroxyphenyl)-5,7-dihydroxy-8-(3-methylbut-2-enyl)chromone	354.38	66.37	0.41
MOL004864	5,7-dihydroxy-3-(4-methoxyphenyl)-8-(3-methylbut-2-enyl)chromone	352.41	30.49	0.41
MOL004866	2-(3,4-dihydroxyphenyl)-5,7-dihydroxy-6-(3-methylbut-2-enyl)chromone	354.38	44.15	0.41
MOL004879	Glycyrin	382.44	52.61	0.47
MOL004882	Licocoumarone	340.4	33.21	0.36
MOL004883	Licoisoflavone	354.38	41.61	0.42
MOL004884	Licoisoflavone B	352.36	38.93	0.55
MOL004885	licoisoflavanone	354.38	52.47	0.54
MOL004891	shinpterocarpin	322.38	80.3	0.73
MOL004898	(E)-3-[3,4-dihydroxy-5-(3-methylbut-2-enyl)phenyl]-1-(2,4-dihydroxyphenyl)prop-2-en-1-one	340.4	46.27	0.31
MOL004903	liquiritin	418.43	65.69	0.74
MOL004904	licopyranocoumarin	384.41	80.36	0.65
MOL004905	3,22-Dihydroxy-11-oxo-delta(12)-oleanene-27-alkyl-methoxycarbonyl-29-oic acid	512.75	34.32	0.55
MOL004907	Glyzaglabrin	298.26	61.07	0.35
MOL004908	Glabridin	324.4	53.25	0.47
MOL004910	Glabranin	324.4	52.9	0.31
MOL004911	Glabrene	322.38	46.27	0.44
MOL004912	Glabrone	336.36	52.51	0.5
MOL004913	1,3-dihydroxy-9-methoxy-6-benzofurano[3,2-c]chromenone	298.26	48.14	0.43
MOL004914	1,3-dihydroxy-8,9-dimethoxy-6-benzofurano[3,2-c]chromenone	328.29	62.9	0.53
MOL004915	Eurycarpin A	338.38	43.28	0.37
MOL004917	glycyroside	562.57	37.25	0.79
MOL004924	(-)-Medicocarpin	432.46	40.99	0.95
MOL004935	Sigmoidin-B	356.4	34.88	0.41
MOL004941	(2R)-7-hydroxy-2-(4-hydroxyphenyl)chroman-4-one	256.27	71.12	0.18
MOL004945	(2S)-7-hydroxy-2-(4-hydroxyphenyl)-8-(3-methylbut-2-enyl)chroman-4-one	324.4	36.57	0.32

MOL004948	Isoglycyrol	366.39	44.7	0.84
MOL004949	Isolicoflavonol	354.38	45.17	0.42
MOL004957	HMO	268.28	38.37	0.21
MOL004959	1-Methoxyphaseollidin	354.43	69.98	0.64
MOL004961	Quercetin der.	330.31	46.45	0.33
MOL004966	3'-Hydroxy-4'-O-Methylglabridin	354.43	43.71	0.57
MOL000497	licochalcone a	338.43	40.79	0.29
MOL004974	3'-Methoxyglabridin	354.43	46.16	0.57
MOL004978	2-[(3R)-8,8-dimethyl-3,4-dihydro-2H-pyrano[6,5-f]chromen-3-yl]-5-methoxyphenol	338.43	36.21	0.52
MOL004980	Inflacoumarin A	322.38	39.71	0.33
MOL004985	icos-5-enoic acid	310.58	30.7	0.2
MOL004988	Kanzonol F	420.54	32.47	0.89
MOL004989	6-prenylated eriodictyol	356.4	39.22	0.41
MOL004990	7,2',4'-trihydroxy - 5-methoxy-3 - arylcoumarin	300.28	83.71	0.27
MOL004991	7-Acetoxy-2-methylisoflavone	294.32	38.92	0.26
MOL004993	8-prenylated eriodictyol	356.4	53.79	0.4
MOL004996	gadelaidic acid	310.58	30.7	0.2
MOL000500	Vestitol	272.32	74.66	0.21
MOL005000	Gancaonin G	352.41	60.44	0.39
MOL005001	Gancaonin H	420.49	50.1	0.78
MOL005003	Licoagrocarpin	338.43	58.81	0.58
MOL005007	Glyasperins M	368.41	72.67	0.59
MOL005008	Glycyrrhiza flavonol A	370.38	41.28	0.6
MOL005012	Licoagroisoflavone	336.36	57.28	0.49
MOL005013	18 α -hydroxyglycyrrhetic acid	486.76	41.16	0.71
MOL005016	Odoratin	314.31	49.95	0.3
MOL005017	Phaseol	336.36	78.77	0.58
MOL005018	Xambioona	388.49	54.85	0.87
MOL005020	dehydroglyasperins C	340.4	53.82	0.37
MOL000098	quercetin	302.25	46.43	0.28

Additional file 2 Targets of active ingredients

Target name	Gene name
4-aminobutyrate aminotransferase	ABAT
Multidrug resistance-associated protein 1	ABCC1
Broad substrate specificity ATP-binding cassette transporter	ABCG2
Acetyl-CoA carboxylase 1	ACACA
Acetylcholinesterase	ACHE

Prostatic acid phosphatase	ACP3
Pituitary adenylate cyclase-activating polypeptide	ADCYAP1
All-trans-retinol dehydrogenase	ADH1B
Alcohol dehydrogenase 1C	ADH1C
Adiponectin	ADIPOQ
Alpha-1A adrenergic receptor	ADRA1A
Alpha-1B adrenergic receptor	ADRA1B
Alpha-1D adrenergic receptor	ADRA1D
Alpha-2A adrenergic receptor	ADRA2A
Beta-1 adrenergic receptor	ADRB1
Beta-2 adrenergic receptor	ADRB2
Aryl hydrocarbon receptor	AHR
Activator of 90 kDa heat shock protein ATPase homolog 1	AHSA1
Aldo-keto reductase family 1 member B1	AKR1B1
Aldo-keto reductase family 1 member C1	AKR1C1
Aldo-keto reductase family 1 member C3	AKR1C3
RAC-alpha serine/threonine-protein kinase	AKT1
Polyunsaturated fatty acid 5-lipoxygenase	ALOX5
Apolipoprotein B-100	APOB
Androgen receptor	AR
ATP synthase subunit beta	ATP5F1B
Bcl2-associated agonist of cell death	BAD
Apoptosis regulator BAX	BAX
Apoptosis regulator Bcl-2	BCL2
Bcl-2-like protein 1	BCL2L1
Baculoviral IAP repeat-containing protein 5	BIRC5
Carbonic anhydrase 2	CA2
Voltage-dependent L-type calcium channel subunit alpha-1S	CACNA1S
Caspase-1	CASP1
Caspase-3	CASP3
Caspase-8	CASP8
Caspase-9	CASP9
Catalase	CAT
Caveolin-1	CAV1
C-C motif chemokine 2	CCL2
Cyclin-A2	CCNA2
G2/mitotic-specific cyclin-B1	CCNB1
G1/S-specific cyclin-D1	CCND1
Monocyte differentiation antigen CD14	CD14
CD40 ligand	CD40LG

Cyclin-dependent kinase 1	CDK1
Cyclin-dependent kinase 2	CDK2
Cyclin-dependent kinase 4	CDK4
Cyclin-dependent kinase inhibitor 1	CDKN1A
Liver carboxylesterase 1	CES1
Serine/threonine-protein kinase Chk1	CHEK1
Serine/threonine-protein kinase Chk2	CHEK2
Muscarinic acetylcholine receptor M1	CHRM1
Muscarinic acetylcholine receptor M2	CHRM2
Muscarinic acetylcholine receptor M3	CHRM3
Muscarinic acetylcholine receptor M4	CHRM4
Muscarinic acetylcholine receptor M5	CHRM5
Neuronal acetylcholine receptor subunit alpha-2	CHRNA2
Neuronal acetylcholine receptor subunit alpha-7	CHRNA7
Inhibitor of nuclear factor kappa-B kinase subunit alpha	CHUK
Claudin-4	CLDN4
Collagen alpha-1(I) chain	COL1A1
Collagen alpha-1(III) chain	COL3A1
C-reactive protein	CRP
Chymotrypsinogen B	CTRB1
Cathepsin D	CTSD
C-X-C motif chemokine 10	CXCL10
C-X-C motif chemokine 11	CXCL11
C-X-C motif chemokine 2	CXCL2
Interleukin-8	CXCL8
Aromatase	CYP19A1
Cytochrome P450 1A1	CYP1A1
Cytochrome P450 1A2	CYP1A2
Cytochrome P450 1B1	CYP1B1
Cytochrome P450 3A4	CYP3A4
DDB1- and CUL4-associated factor 5	DCAF5
Type I iodothyronine deiodinase	DIO1
Dipeptidase 1	DPEP1
Dipeptidyl peptidase 4	DPP4
Dopamine D1 receptor	DRD1
Dual oxidase 2	DUOX2
Transcription factor E2F1	E2F1
Transcription factor E2F2	E2F2
Pro-epidermal growth factor	EGF
Epidermal growth factor receptor	EGFR

Eukaryotic translation initiation factor 6	EIF6
ETS domain-containing protein Elk-1	ELK1
Receptor tyrosine-protein kinase erbB-2	ERBB2
Receptor tyrosine-protein kinase erbB-3	ERBB3
Estrogen receptor	ESR1
Estrogen receptor beta	ESR2
Tissue factor	F3
Coagulation factor VII	F7
Fatty acid synthase	FASN
Proto-oncogene c-Fos	FOS
Fos-related antigen 2	FOSL2
Gamma-aminobutyric acid receptor subunit alpha-1	GABRA1
Gamma-aminobutyric acid receptor alpha-2 subunit	GABRA2
Gamma-aminobutyric acid receptor subunit alpha-3	GABRA3
Gamma-aminobutyric acid receptor subunit alpha-5	GABRA5
Gamma-aminobutyric acid receptor subunit alpha-6	GABRA6
Gap junction alpha-1 protein	GJA1
Aspartate aminotransferase	GOT1
Glutamate receptor 2	GRIA2
Glycogen synthase kinase-3 beta	GSK3B
Glutathione reductase	GSR
Glutathione S-transferase Mu 1	GSTM1
Glutathione S-transferase Mu 2	GSTM2
Glutathione S-transferase P	GSTP1
Hyaluronan synthase 2	HAS2
Hypoxia-inducible factor 1-alpha	HIF1A
Hexokinase-2	HK2
3-hydroxy-3-methylglutaryl-coenzyme A reductase	HMGCR
Heme oxygenase 1	HMOX1
3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1	HSD3B1
3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 2	HSD3B2
Heat shock factor protein 1	HSF1
Endoplasmic reticulum chaperone BiP	HSPA5
Heat shock protein beta-1	HSPB1
5-hydroxytryptamine 2A receptor	HTR2A
5-hydroxytryptamine receptor 3A	HTR3A
Intercellular adhesion molecule 1	ICAM1
Interferon gamma	IFNG
Insulin-like growth factor II	IGF2
Insulin-like growth factor-binding protein 3	IGFBP3

Immunoglobulin heavy constant gamma 1	IGHG1
Inhibitor of nuclear factor kappa-B kinase subunit beta	IKBKB
Interleukin-10	IL10
Interleukin-1 alpha	IL1A
Interleukin-1 beta	IL1B
Interleukin-2	IL2
Interleukin-4	IL4
Interleukin-6	IL6
Insulin receptor	INSR
Interferon regulatory factor 1	IRF1
Transcription factor AP-1	JUN
Potassium voltage-gated channel subfamily H member 2	KCNH2
Calcium-activated potassium channel subunit alpha-1	KCNMA1
Vascular endothelial growth factor receptor 2	KDR
Lipopolysaccharide-binding protein	LBP
Low-density lipoprotein receptor	LDLR
Leukotriene A-4 hydrolase	LTA4H
Amine oxidase [flavin-containing] A	MAOA
Amine oxidase [flavin-containing] B	MAOB
Microtubule-associated protein 2	MAP2
Dual specificity mitogen-activated protein kinase kinase 4	MAP2K4
Mitogen-activated protein kinase 1	MAPK1
Mitogen-activated protein kinase 10	MAPK10
Mitogen-activated protein kinase 14	MAPK14
Mitogen-activated protein kinase 3	MAPK3
Mitogen-activated protein kinase 8	MAPK8
Maltase-glucoamylase, intestinal	MGAM
Interstitial collagenase	MMP1
72 kDa type IV collagenase	MMP2
Stromelysin-1	MMP3
Matrix metalloproteinase-9	MMP9
Myeloperoxidase	MPO
NADH-ubiquinone oxidoreductase chain 6	MT-ND6
Microsomal triglyceride transfer protein large subunit	MTTP
Myc proto-oncogene protein	MYC
Neutrophil cytosol factor 1	NCF1
Nuclear receptor coactivator 1	NCOA1
Nuclear receptor coactivator 2	NCOA2
Nuclear factor erythroid 2-related factor 2	NFE2L2
NF-kappa-B inhibitor alpha	NFKBIA

Homeobox protein Nkx-3.1	NKX3-1
Nitric oxide synthase, inducible	NOS2
Nitric-oxide synthase, endothelial	NOS3
Puromycin-sensitive aminopeptidase	NPEPPS
NAD(P)H dehydrogenase	NQO1
Nuclear receptor subfamily 1 group I member 2	NR1I2
Nuclear receptor subfamily 1 group I member 3	NR1I3
Glucocorticoid receptor	NR3C1
Mineralocorticoid receptor	NR3C2
Ornithine decarboxylase	ODC1
Oxidized low-density lipoprotein receptor 1	OLR1
Delta-type opioid receptor	OPRD1
Mu-type opioid receptor	OPRM1
Poly [ADP-ribose] polymerase 1	PARP1
Procollagen C-endopeptidase enhancer 1	PCOLCE
CGMP-inhibited 3',5'-cyclic phosphodiesterase A	PDE3A
Progesterone receptor	PGR
Phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit, gamma isoform	PIK3CG
cAMP-dependent protein kinase inhibitor alpha	PKIA
Tissue-type plasminogen activator	PLAT
Urokinase-type plasminogen activator	PLAU
Phospholipase B1, membrane-associated	PLB1
Serum paraoxonase/arylesterase 1	PON1
NADPH--cytochrome P450 reductase	POR
Peroxisome proliferator-activated receptor alpha	PPARA
Peroxisome proliferator-activated receptor delta	PPARD
Peroxisome proliferator-activated receptor gamma	PPARG
Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform	PPP3CA
Protein kinase C alpha type	PRKCA
Protein kinase C beta type	PRKCB
Trypsin-1	PRSS1
26S proteasome non-ATPase regulatory subunit 3	PSMD3
Proteasome assembly chaperone 1	PSMG1
Phosphatidylinositol 3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN	PTEN
Prostaglandin E2 receptor EP3 subtype	PTGER3
Prostaglandin G/H synthase 1	PTGS1
Prostaglandin G/H synthase 2	PTGS2
Glycogen phosphorylase, muscle form	PYGM

RAF proto-oncogene serine/threonine-protein kinase	RAF1
Ras GTPase-activating protein 1	RASA1
Ras association domain-containing protein 1	RASSF1
Retinoblastoma-associated protein	RB1
Transcription factor p65	RELA
Protein CBFA2T1	RUNX1T1
Runt-related transcription factor 2	RUNX2
Retinoic acid receptor RXR-alpha	RXRA
Retinoic acid receptor RXR-beta	RXRB
Retinoic acid receptor RXR-gamma	RXRG
Sodium channel protein type 5 subunit alpha	SCN5A
E-selectin	SELE
Plasminogen activator inhibitor 1	SERPINE1
NAD-dependent protein deacetylase sirtuin-1	SIRT1
Solute carrier family 2, facilitated glucose transporter member 4	SLC2A4
Sodium-dependent noradrenaline transporter	SLC6A2
Sodium-dependent dopamine transporter	SLC6A3
Sodium-dependent serotonin transporter	SLC6A4
Antileukoproteinase	SLPI
Sterol O-acyltransferase 1	SOAT1
Sterol O-acyltransferase 2	SOAT2
Superoxide dismutase [Cu-Zn]	SOD1
Osteopontin	SPP1
Sterol regulatory element-binding protein 1	SREBF1
Signal transducer and activator of transcription 1-alpha/beta	STAT1
Signal transducer and activator of transcription 3	STAT3
Sulfotransferase 1E1	SULT1E1
Transforming growth factor beta-1 proprotein	TGFB1
Thrombomodulin	THBD
Tumor necrosis factor	TNF
DNA topoisomerase 1	TOP1
DNA topoisomerase 2-alpha	TOP2A
Cellular tumor antigen p53	TP53
UDP-glucuronosyltransferase 1A1	UGT1A1
Vascular cell adhesion protein 1	VCAM1
Vascular endothelial growth factor A	VEGFA
Xanthine dehydrogenase/oxidase	XDH
