

Supplementary Table 1 Active compounds and targets of SXT

Num ber	Mol ID	Compound	Target
1	MOL00000	luteolin 6	ADCY2, AKT1, AR, APP, BCL2L1, BIRC4, BIRC5, CD40LG, CDKN1A, CDK4, CCND1, CCNB1, CASP3, CASP7, CASP9, ERBB2, PTGS1, DPP4, EGFR, GSTP1, HMOX1, ICAM1, IL2, IFNG, IL4, IL10, IL6, INSR, JUN, MMP2, MMP9, MAPK1, MET, MDM2, MMP1, MCL1, NCOA2, NFKBIA, NUF2, PCNA, PPARG, PTGS2, PRSS1, PIK3CG, PTGES, RELA, RB1, SLC2A4, TNF, TP53, TOP1, TYR, TOP2A, VEGFA, XDH
2	MOL00003	(3S,8S,9S,10R,1 3 3R,14S,17R)-10, 13-dimethyl-17 -[(2R,5S)-5-pro pan-2-yloctan- 2-yl]-2,3,4,7,8,9, 11,12,14,15,16,1 7-dodecahydro -1H-cyclopenta [a]phenanthre n-3-ol	PGR
3	MOL00009	quercetin 8	AA1, ACACA, ACHE, AHSA1, ADRB2, AKT1, AHR, AR, BAX, BIRC5, BCL2, BCL2L1, CAV1, CYP3A4, CDKN1A, CASP3, CASP8, CASP9, CCND1, CXCL11, CXCL2, DCAF5, DPP4, EGFR, EIF6, F2, F7, F10, FOS, IL6, IL10, JUN, HSP90, MMP2, MMP3, MMP9, MAPK1, NCOA2, PTGS1, PPARG, PTGS2, PRSS1, TOP2A, KCNH2, SCN5A, PRKACA, RXRA, RELA, PLAU, RB1, TNF, TP53, ELK1, NFKBIA, ODC1, XDH, TOP1, RAF1, PRKCA, MMP1, HIF1A, STAT1, RUNX1T1, ERBB2, HMOX1, MYC, F3, GJA1, CYP1A1, ICAM1, IL1B, SELE, VCAM1, CXCL8, PRKCB, DUOX2,

		NOS3, HSPB1, MGAM, IL2, NR1I2, CYP1B1, CCNB1, PLAT, THBD, SERPINE1, IFNG, IL1A, MPO, NCF1, HAS2, NFE2L2, PSMD3, SLC2A4, NR1I3, CHEK2, INSR, CLDN4, PPARA, PPARD, HSF1, CRP, CXCL10, CHUK, SPP1, RUNX2, RASSF1, E2F1, E2F2, ACP3, CTSD, IGFBP3, IGF2, CD40LG, IRF1, ERBB3, PON1, DIO1, PCOLCE, NPEPPS, HK2, NKX3-1, RASA1, GSTM1, GSTM2
4	MOL00021	Mairin 1
5	MOL00023	Jaranol 9
6	MOL00029	hederagenin 6
7	MOL00035	isorhamnetin 4
8	MOL00035	beta-sitosterol 8
9	MOL00035	sitosterol 9
10	MOL00037	3,9-di-O-methylnissolin 1

11	MOL00037	7-O-methyliso 8 mucronulatol	AR, ADRA1A, ADRA1B, ADRB1, ADRB2, ADRA1D, ADRA2C, NOS2, PTGS1, DRD1, CHRM3, KCNH2, CHRM1, ESR1, SCN5A, PPARG, F10, CHRM5, PTGS2, NOS3, CHRM4, RXRA, OPRD1, PDE3A, HTR2A, CHRM2, SLC6A3, SLC6A4, ESR2, GABRA1, DPP4, MAPK14, GSK3B, CDK2, CHEK1, RXRB, PRSS1, PIM1, CCNA2, NCOA2, KCNMA1, CALM
12	MOL00037	9,10-dimethox 9 ypterocarpan-3 -O-β-D-glucosi de	PTGS2, TOP2, NCOA2
13	MOL00038	(6aR,11aR)-9,10 0 -dimethoxy-6a, 11a-dihydro-6 H-benzofurano	ACHE, ADRA1B, ADRB2, ADRA1D, CALM, CHRM4, CHRM3, CHRM1, ESR1, NOS2, PTGS1, SCN5A, PTGS2, HTR3A, RXRA, GABRA1, CHRNA7, PRSS1, NCOA2, NCOA1 [3,2- chromen -3-ol c]
14	MOL00038	Bifendate 7	PTGS2, KDR, MET, KCNMA1, PTGS1, TOP2
15	MOL00039	formononetin 2	ACHE, ADRB2, ADRA1A, ATP5F1B, AR, CHRM1, CCNA2, CDK2, CALM, CHEK1, DPP4, ESR1, ESR2, PPARG, PTGS2, LACTB, NOS2, PTGS1, RXRA, PDE3A, SLC6A3, SLC6A4, MAPK14, GSK3B, MAOB, PRSS1, PIM1, PKIA, NOS3, JUN IL4, SIRT1, MT-ND6, HSD3B2, HSD3B1
16	MOL00041	Calycosin 7	ADRB2, AR, CALM, CCNA2, CDK2, CHEK1, DPP4, ESR1, ESR2, NOS2, PTGS1, PPARG, PTGS2, RXRA, PDE3A, MAPK14, GSK3B, PRSS1, PIM1, NCOA2
17	MOL00042	kaempferol 2	ACHE, ADRA1B, AKR1C3, AHSA1, AR, AKT1, BCL2, BAX, CASP3, CHRM1, CHRM2, CYP3A4, CYP1A2, CYP1A1, DPP4, NOS2, PTGS1, PPARG, PTGS2, PIK3CG, NCOA2, PRSS1, PGR, NOS3, GABRA2, SLC6A2, GABRA1, TOP2, F7, CALM, RELA, IKBKB, TNF, JUN, MAPK8, XDH,

			MMP1, STAT1, CDC2, HMOX1, ICAM1, SELE, NR1I2, CYP1B1, ALOX5AP, HAS2, GSTP1, AHR, PSMD3, SLC2A4, NR1I3, INSR, DIO1 PPP3CA, PRXC1A, GSTM1, GSTM2, SLPI, VCAM1
18	MOL00043	FA 3	CDK2, GSK3B
19	MOL00043	isomucronulat 9 ol-7,2'-di-O-glu cosiole	TOP2
20	MOL00044	1,7-Dihydroxy- 2 3,9-dimethoxy pterocarpene	PTGS2, RXRA, PRSS1
21	MOL00044	Stigmasterol 9	ADRA1A, ADRA1B, ADRA2A, ADRB1, ADRB2, ADH1C, CTRB1, CHRM3, CHRM1, CHRM2, CHRNA7, PGR, NR3C2, NCOA2, IGHG1, RXRA, NCOA1, PTGS1, PTGS2, SLC6A2, SLC6A3, PLAU, LTA4H, MAOB, MAOA, SCN5A, HTR2A, GABRA3, GABRA1
22	MOL00056	digallate 9	PTGS2
23	MOL00149	Mandenol 4	PTGS1, PTGS2, NCOA2
24	MOL00160	1,2,5,6-tetrahy- 1 drotanshinone	ADRA1A, ADRA1B, ADRB2, ADRA1D, CA2, CHRM2, CHRM3, CHRM1, CHRM4, CHRM5, CHRNA7, DRD1, PTGS1, SCN5A, PTGS2, HTR3A, RXRA, OPRD1, PDE3A, TOP2, OPRM1, GABRA1, NCOA2, NCOA1, HTR2A, SLC6A4 IGHG1, SLC6A3
25	MOL00165	Poriferasterol 9	PGR, NR3C2
26	MOL00177	poriferast-5-en- 1 -3beta-ol	PGR, NCOA2
27	MOL00179	DFV 2	ADRB2, ESR1, PTGS1, PTGS2, RXRA, PIK3CG, LACTB, MAOB, SLC6A4, PKIA

28	MOL00194	isoimperatorin	PTGS2 2
29	MOL00213	Myricanone	ADRB2, AR, CDK2, CCNA2, CHEK1, DPP4, ESR1, ESR2, F7, GSK3B, NOS2, PTGS1, KCNH2, SCN5A, PPARG, PTGS2, KDR, RXRA, PDE3A, MAPK14, IGHG1, PIM1, NCOA1
30	MOL00214	Perlolyrine	PTGS2, RXRA, PRKACA 0
31	MOL00215	wallichilide	PTGS2, NR3C2, NR3C1, NCOA2 7
32	MOL00222	sugiol	ACHE, ADRA1A, ADRA1B, ADRB2, ADRA1D, CHRM2, CHRM3, CHRM1, SCN5A, CHRM5, PTGS2, CA2, CHRM4, OPRD1, DRD2, OPRM1, CHRNA7 2
33	MOL00246	1-Monolinolein	PTGS1 4
34	MOL00250	<chem>[(1S)-3-[(E)-but-2-enyl]-2-methyl-4-oxo-1-cyclopenten-2-yl]-(1R,3R)-3-[(E)-3-methoxy-2-methyl-3-oxopropan-1-yl]-2,2-dimethylcyclopropane-1-carboxylate</chem>	CA2, NCOA2, PTGS2
35	MOL00251	Sexangularetin	AR, CDK2, DPP4, NOS2, PTGS1, PTGS2, HSP90AB1, PIK3CG, PRSS1 4
36	MOL00265	Dehydrotanshi none II A	ACHE, ADRA1A, ADRB2, AR, CHRM3, CHRM4, CHRM5, CHRNA7, CHRM1, DRD1, ESR1, SCN5A, PPARG, PTGS2, OPRD1, HTR2A, OPRM1, GABRA1, DPP4, NCOA1 1
37	MOL00266	Skimmianin	RXRA, GABRA1, PIK3CG

		3	
38	MOL00277	Baicalin	F10
		6	
39	MOL00287	Diop	ADRB2, CHRM3, SCN5A
		9	
40	MOL00288	Diosmetin	CALM, NOS2, PTGS1, PTGS2, DPP4, PRSS1, NCOA2, NCOA1
		1	
41	MOL00534	ginsenoside	ADCYAP1, BAX, CASP3, CASP1, PTGS2, NFKBIA, IL1B, IFNG, PSMG1, MAP2K4, SLC2A4, TNF
		4	rh2
42	MOL00703	5,6-dihydroxy-6-7-isopropyl-1,1-dimethyl-2,3-dihydrophenanthren-4-one	ACHE, ADRA1A, ADRA1B, ADRB2, CA2, CALM, CHRM3, CHRM1, PTGS1, SCN5A, PTGS2, RXRA, TOP2, OPRM1, IGHG1, NCOA2, NCOA1
		1	
43	MOL00704	2-isopropyl-8-methylphenanthrene-3,4-dione	ADRA1A, ADRA1B, ADRB2, ADRA1D, AR, CALM, CCNA2, CHRM3, CHRNA7, CHRM1, CHRM5, PTGS1, DRD1, ESR1, SCN5A, PPARG, PTGS2, NOS3, HTR3A, CHRM4, RXRA, HTR2A, CHRM2, SLC6A3, SLC6A4, OPRM1, GABRA1, CDK2, PIK3CG, IGHG1, PIM1, NCOA2
		1	
44	MOL00704	3 α -hydroxytan-5-shinone II a	ACHE, ADRB2, CHRM1, CHRNA7, CHRM5, DPP4, SCN5A, PTGS2, OPRD1, OPRM1, PRSS1, NCOA1
		5	
45	MOL00704	(E)-3-[2-(3,4-dihydroxyphenyl)-7-hydroxybenzofuran-4-yl] acrylic acid	PTGS2
		8	
46	MOL00704	4-methylenemethyltirone	ADRA1A, ADRA2A, ADRA1B, ADRB2, ADRA2C, ADRA1D, AR, CA2, PTGS1, DRD1, CHRM3, CHRM1, ESR1, SCN5A, PPARG, CHRM5, PTGS2, NOS3, CHRM4, RXRA, OPRD1, HTR2A, CHRM2, SLC6A3, TOP2, SLC6A4, DRD2, OPRM1, GABRA1, CHRNA7, NCOA2, NCOA1
		9	
47	MOL00705	2-(4-hydroxy-3-AR,CCNA2, CDK2, ESR1, ESR2, GSK3B, MAPK14, NOS2,	

0		-methoxyphen yl)-5-(3-hydrox ypropyl)-7-met hoxy-3-benzof urancarboxald ehyde	PPARG, PIM1
48	MOL00705	formyltanshino ne	AR, DPP4, PTGS2, RXRA, PIK3CG, NCOA1
49	MOL00705	3-beta-Hydrox ymethylleneta nshiquinone	ACHE, ADRA1A, ADRB2, DRD1, CHRM1, PTGS2, CA2, RXRA, OPRD1, OPRM1, DPP4, CHRNA7, IGHG1, PRSS1, NCOA1
50	MOL00706	Methylenetans 1 hinquinone	ACHE, ADRA1A, ADRB2, CA2, CHRM2, CHRM3, CHRM1, CHRM5, CHRNA7, DPP4, DRD1, SCN5A, PTGS2, HTR2A, RXRA, OPRD1, SLC6A4, OPRM1, GABRA1, IGHG1, PRSS1, NCOA1
51	MOL00706	przewalskin a 3	NR3C2, NR3C1
52	MOL00706	przewalskin b 4	PTGS2, PGR, NR3C2, NR3C1, NCOA2, NCOA1
53	MOL00706	Przеваquinon 8 e B	DPP4, PTGS2, RXRA, PIK3CG, IGHG1, PRSS1, NCOA1
54	MOL00706	przеваquinon 9 e c	ACHE, ADRA1A, ADRB2, CA2, CHRM2, CHRM3, CHRM1, CHRM4 , CHRM5, CHRNA7, PTGS1, DRD1, SCN5A, PTGS2, OPRD1, OPRM1, GABRA1, DPP4, PIK3CG, NCOA1
55	MOL00707	(6S,7R)-6,7-dih 0 ydroxy-1,6-di methyl-8,9-dih ydro-7H-napht ho[8,7-g] benzofuran-10, 11-dione	ACHE, CA2, DPP4, PTGS2, PRSS1, NCOA1

56	MOL00707	przewaquinon 1	e f	DPP4, PTGS2, PRSS1, NCOA1
57	MOL00707	sclareol 7		PTGS2
58	MOL00707	tanshinaldehy 9	de	ACHE, ADRB2, CHRM1, CHRNA7, DPP4, DRD1, PTGS2, OPRD1, HTR2A, OPRM1, PRSS1, NCOA1
59	MOL00708	Danshenol B 1		CA2, PTGS2, PGR, TOP2, OPRM1, NR3C1, NCOA1
60	MOL00708	Danshenol A 2		F10, PTGS1, KCNH2, SCN5A, PTGS2, RXRA, PIK3CG, NCOA1, KCNMA1
61	MOL00708	Salvilenone 5		AR, CHRM5, ESR1, ESR2, PTGS1, PTGS2, HTR3A, PIM1
62	MOL00708	cryptotanshino 8	ne	ADRA1A, ADRA1B, ADRB2, ADRA1D, APP, BCL2L1, BIRC5, CA2, CCND1, CHRM4, CHRM3, CHRM1, CHRM2, CHRM5, CHRNA7, DRD1, EDN1, GABRA1, PTGS1, SCN5A, PTGS2, OPRD1, TOP2, OPRM1, NCOA2, NCOA1, PGR, RELA, STAT3, TNF
63	MOL00709	dan-shexinku 3	m d	ACHE, ADRA1B, ADRB2, AR, CA2, CALM, CCNA2, CDK2, CHEK1, CHRM1, DPP4, ESR1, ESR2, F10, NOS2, PTGS1, KCNH2, SCN5A, PPARG, PTGS2, RXRA, TOP2, GSK3B IGHG1, PRSS1, PIM1, NCOA2, NCOA1
64	MOL00709	danshenspirok 4	etallactone	ADRA1B, ADRB2, ADRA1D, ACHE, ADRA1A, PTGS1, DRD1, CHRM3, CHRM1, CHRNA7, DPP4, ESR1, SCN5A, CHRM5, PTGS2, CA2, CHRM4, RXRA, CHRM2, CHRNA2, SLC6A4, OPRM1, GABRA1
65	MOL00709	deoxyneocrypt 8	otanshinone	ADRA1A, ADRA1B, ADRB2, ADRA1D, AR, CHRM2, PTGS1, DRD1, CHRM3, CHRM1, ESR1, SCN5A, CHRM5, PTGS2, NOS3, CA2, CHRM4, RXRA, OPRD1, TOP2, OPRM1, GSK3B, CDK2, CHRNA7, IGHG1, PIM1, NCOA2, NCOA1
66	MOL00710	dihydrotanshi 0	nlactone	ADRA1A, ADRA1B, ACHE, ADRB2, ADRA1D, AR, CA2, CCNA2, CHRM3, CHRM1, CHRM5, CHRNA7, DPP4,

			DRD1, ESR1, NOS2, PTGS1, SCN5A, PPARC, PTGS2, HTR3A, RXRA, PDE3A, HTR2A, SLC6A3, SLC6A4, OPRM1, GABRA1, GSK3B, PIK3CG, IGHG1, PRSS1, PIM1
67	MOL00710	dihydrotanshi 1	ADRA1A, ADRA1B, ADRB2, CALM, PTGS1, SCN5A, PTGS2, HTR3A, RXRA, GABRA1, PIK3CG, CHRNA7, IGHG1, NCOA2, NCOA1
68	MOL00710	epidanshenspir 5	ADRA1A, ADRA1B, ADRB2, ADRA1D, CHRM2, CHRM3, CHRM1, CHRM5, DRD1, ESR1, SCN5A, PTGS1, PTGS2, NOS3, CHRM4, RXRA, OPRD1, PDE3A, HTR2A, SLC6A4, OPRM1, GABRA1, CDK2, CHRNA7, PIM1
69	MOL00710	C09092 7	ACHE, ADRA1A, ADRA1B, ADRB2, ADRA1D, CHRM3, CHRM1, SCN5A, CA2, CHRM2, OPRM1
70	MOL00710	isocryptotanshi 8	ACHE, ADRA1A, ADRA1B, ADRB2, ADRA1D, AR, CDK2, CHRNA7, CHRM3, CHRM1, NOS2, PTGS1, DRD1, ESR1, SCN5A, F10, CHRM5, PTGS2, CA2, CHRM4, RXRA, OPRD1, CHRM2, TOP2, DRD2, OPRM1, GABRA1, PRSS1, PIM1, NCOA2, NCOA1
71	MOL00711	Isotanshinone 1	ACHE, ADRA1A, ADRB2, AR, NOS2, DRD1, CHRM3, CHRM1, ESR1, SCN5A, CHRM5, PTGS2, RXRA, OPRD1, CHRM2, OPRM1, ESR2, GABRA1, DPP4, GSK3B, CDK2, CHRNA7, CHEK1, PIM1, CCNA2
72	MOL00711	manool 5	NCOA2
73	MOL00711	miltionone I 9	ADRA1A, ADRA1B, ADRB2, AR, CA2, CHRM2, CHRM3, CHRM1, CDK2, ESR1, PTGS1, SCN5A, F10, PTGS2, RXRA, OPRD1, HTR2A, TOP2, OPRM1, NR3C1, GSK3B, LACTB, CHRNA7, IGHG1, PIM1, CCNA2, NCOA2, NCOA1
74	MOL00712	miltionone II 0	ACHE, CA2, PTGS2, PGR, NR3C1, NCOA2, NCOA1
75	MOL00712	miltipolone 1	ACHE, ESR1
76	MOL00712	Miltirone	ADRB2, ADRA1D, ADRA1A, ADRA1B, ADRA2C, AR,

2			CA2, CHRM3, CHRM1, CHRM2, CHRM4, PTGS1, DRD1, ESR1, DRD5, SCN5A, CHRM5, PTGS2, NOS3, RXRA, OPRD1, SLC6A3, TOP2, OPRM1, CHRNA7, NCOA2
77	MOL00712	neocryptotans	ADRB2, ADRA1D, ADRA1A, ADRA1B, AR, PTGS1, DRD1,
4		hinone ii	CHRM3, CHRM1, ESR1, SCN5A, PTGS2, NOS3, CA2, CHRM4, RXRA, OPRD1, PDE3A, CHRM2, SLC6A3, SLC6A4, OPRM1, GABRA1, GSK3B, CDK2, CHRNA7, PIM1, CCNA2
78	MOL00712	neocryptotans	ADRA1B, ADRB2, ADRA1D, CA2, CHRM3, CHRM1,
5		hinone	CHRNA7, PTGS1, SCN5A, PPARG, PTGS2, TOP2, OPRM1, IGHG1, NCOA2, NCOA1
79	MOL00712	1-methyl-8,9-di hydro-7H-nap hto[5,6-g]benzofuran-6,1 0,11-trione	ACHE, ADRA1A, ADRB2, CA2, CHRM3, CHRM5, DPP4, DRD1, PTGS1, SCN5A, PTGS2, RXRA, OPRM1, GABRA1, PIK3CG, CHRNA7, IGHG1, NCOA1
80	MOL00713	prolithospermi c acid	AR, CALM, ESR1, NOS2, PTGS1, PTGS2, PRSS1
81	MOL00713	(2R)-3-(3,4-dih ydroxyphenyl) -2-[(Z)-3-(3,4-di hydroxypheny l) acryloyl] oxy-propionic acid	AR, CCNA2, DPP4, ESR1, PPARG, PTGS2, PRSS1
82	MOL00714	salvianolic acid g	PTGS2
83	MOL00714	salvianolic acid j	F7, PRSS1
84	MOL00714	salvilenone I 3	ACHE, NR3C1, NCOA2, NCOA1, PTGS2, PGR, RXRA
85	MOL00714	salviolone	ADRA1A, ADRA2B, ADRA1B, ADRB2, ADRA2A, ACHE,

		5	CHRM3, CHRM5, CHRM1, DRD1, DRD5, PTGS1, SCN5A, PTGS2, HTR1A, HTR3A, GABRA2, CHRM4, OPRD1, PDE3A, HTR2A, GABRA5, SLC6A2, GABRA3, HTR2C, CHRM2, SLC6A3, CHRNA2, SLC6A4, DRD2, OPRM1, GABRA1, HTR1B, CHRNA7, GABRA6, GABRG3, GABRE
86	MOL00715	(6S)-6-hydroxy 0 -1-methyl-6-me thylo-8,9-dihy dro-7H-naphth o[8,7-g] benzofuran-10, 11-quinone	ACHE, CA2, DPP4, NCOA1, PTGS2, PRSS1
87	MOL00715	Tanshindiol B 1	ACHE, CA2, DPP4, PTGS2, NCOA1
88	MOL00715	Przewaquinon 2 e E	ACHE, CA2, DPP4, PTGS2, NCOA1
89	MOL00715	tanshinone iia 4	ACHE, ADRA1A, ADRB2, AHSA1, BCL2, CALCR, CASP3, CDKN1A, CHRM2, CHRM3, CHRM1, CHRM4, CHRM5, CHRNA7, CYP3A4, CYP1A2, CYP1A1, DPP4, DRD1, EDNRA, EDN1, ECE1, FOS, FASN, ITGB3, JUN, MMP9, MYC, NFKBIA, NR1I2, NPM1, NCOA1, OPRD1, OPRM1, PARP4, PTGS2, RXRA, RELA, SCN5A, TP53
90	MOL00715	(6S)-6-(hydrox 5 ymethyl)-1,6-di methyl-8,9-dih ydro-7H-napht ho[8,7-g] benzofuran-10, 11-dione	ACHE, ADRA1A, ADRB2, CHRM1, CHRNA7, DPP4, NCOA1, OPRD1, OPRM1, PRSS1, PTGS2, SCN5A
91	MOL00715	tanshinone VI 6	AR, CALM, ESR1, F10, IGHG1, LACTB, NCOA2, NCOA1, PTGS1, PPARG, PTGS2, SCN5A
92	MOL01327	Kokusaginin	RXRA

ACACA: Acetyl-CoA carboxylase 1; ACP3: Acid Phosphatase 3; ADCY2: Adenylate Cyclase 2; ADCYAP1: Adenylate Cyclase Activating Polypeptide 1; ADH1B: All-trans-retinol dehydrogenase [NAD(+)] ADH1B; ADRB1: Adrenoceptor Beta 1; ADRB2: Adrenoceptor Beta 2; AKT1: AKT Serine/Threonine Kinase 1; APP: Amyloid Beta Precursor Protein; ATP5F1B: ATP Synthase F1 Subunit Beta; BIRC4: Baculoviral IAP Repeat Containing 4; BIRC5: Baculoviral IAP Repeat Containing 5; CA2: Carbonic anhydrase 2; CALCR: Calcitonin receptor; CALM: Calmodulin; CAV1: Caveolin 1; CCNA2: Cyclin-A2; CHEK1: Serine/threonine-protein kinase Chk1; CHRM1: Cholinergic Receptor Muscarinic 1; CHRNA2: Neuronal acetylcholine receptor subunit alpha-2; CLDN4: Claudin 4; CRP: C-Reactive Protein; CTRB1: Chymotrypsinogen B; CTSD: Cathepsin D; CYP1A1: Cytochrome P450 1A; DCAF5: DDB1- and CUL4-associated factor 5; DIO1: Type I iodothyronine deiodinase; DRD1: Dopamine Receptor D1; DUOX2: Dual oxidase 2; E2F1: E2F Transcription Factor 1; ECE1: Endothelin Converting Enzyme 1; EDN1: Endothelin 1; EDNRA: Endothelin-1 receptor; EGFR: Epidermal growth factor receptor; EIF6: Eukaryotic translation initiation factor 6; ELK1: ETS domain-containing protein Elk-1; ERBB2: Receptor tyrosine-protein kinase erbB-2; ESR1: Estrogen Receptor 1; FASN: Fatty Acid Synthase; FOS: Fos Proto-Oncogene, AP-1 Transcription Factor Subunit; GABRA1: Gamma-aminobutyric acid receptor subunit alpha-1; GJA1: Gap Junction Protein Alpha 1; GRIA2: Glutamate receptor 2; GSK3B: Glycogen Synthase Kinase 3 Beta; GSTM1: Glutathione S-Transferase Mu 1; HAS2: Hyaluronan synthase 2; HK2: Hexokinase 2; HSD3B1: 3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1; HSP90AA1: Heat Shock Protein 90 Alpha Family Class A Member 1; HTR1A: 5-Hydroxytryptamine Receptor 1A; HTR1B: 5-Hydroxytryptamine Receptor 1B; HTR2A: 5-Hydroxytryptamine Receptor 2A; IKBKB: Inhibitor of nuclear factor kappa-B kinase subunit beta; IRF1: Interferon Regulatory Factor 1; ITGB3: Integrin beta-3; KCNH2: Potassium Voltage-Gated Channel Subfamily H Member 2; KCNMA1: Potassium Calcium-Activated Channel Subfamily M Alpha 1; LACTB: Serine beta-lactamase-like protein LACTB, mitochondrial; LTA4H: Leukotriene A-4 hydrolase; MAOA: Monoamine Oxidase A; MAOB: Monoamine Oxidase B; MAP2: Microtubule-associated protein 2; MAP2K4: Mitogen-Activated Protein Kinase Kinase 4; MDM2: MDM2 Proto-Oncogene; MET: Hepatocyte growth factor receptor; MGAM: Maltase-Glucoamylase; MMP1: Matrix Metallopeptidase 1; NCF1: Neutrophil cytosol factor 1; NCOA1: Nuclear receptor coactivator 1; NFE2L2: Nuclear Factor, Erythroid 2 Like 2; NFKBIA: NFKB Inhibitor Alpha; NPEPPS: Puromycin-sensitive aminopeptidase; NPM1: Nucleophosmin;

NR1I2: Nuclear receptor subfamily 1 group I member 2; NR1I3: Nuclear receptor subfamily 1 group I member 3; NR3C1: Nuclear Receptor Subfamily 3 Group C Member 1; NR3C2: Nuclear Receptor Subfamily 3 Group C Member 2; NUF2: Kinetochore protein Nuf2; ODC1: Ornithine Decarboxylase 1; OLR1: Oxidized Low Density Lipoprotein Receptor 1; OPRD1: Delta-type opioid receptor; OPRM1: Opioid Receptor Mu 1; PARP4: Poly(ADP-Ribose) Polymerase 4; PCNA: Proliferating cell nuclear antigen; PCOLCE: Procollagen C-endopeptidase enhancer 1; PDE3A: Phosphodiesterase 3A; PGR: Progesterone receptor; PIK3CG: Phosphatidylinositol-4,5-Bisphosphate 3-Kinase Catalytic Subunit Gamma; PIM1: Serine/threonine-protein kinase pim-1; PKIA: cAMP-dependent protein kinase inhibitor alpha; PLAT: Plasminogen Activator, Tissue Type; PLAU: Plasminogen Activator, Urokinase; PON1: Paraoxonase 1; PPARA: Peroxisome Proliferator Activated Receptor Alpha; PPARD: Peroxisome Proliferator Activated Receptor Delta; PPARG: Peroxisome Proliferator Activated Receptor Gamma; PPP3CA: Serine/threonine-protein phosphatase; PRKACA: cAMP-dependent protein kinase catalytic subunit alpha; PRKCA: Protein Kinase C Alpha; PRKCB: Protein Kinase C Beta; PRSS1: Serine protease 1; PRXC1A: Peroxidase C1A; PSMD3: 26S proteasome non-ATPase regulatory subunit 3; PYGM: Glycogen phosphorylase, muscle form; RAF1: RAF proto-oncogene serine/threonine-protein kinase; SIRT1: Sirtuin 1; SLC2A4: Solute Carrier Family 2 Member 4; SLPI: Secretory Leukocyte Peptidase Inhibitor; TGFB1: Transforming Growth Factor Beta 1; THBD: Thrombomodulin; TOP1: DNA topoisomerase 1; TOP2: DNA topoisomerase 2; TOP2A: DNA topoisomerase 2-alpha; TP53: Tumor Protein P53; TYR: Tyrosinase; VCAM1: Vascular Cell Adhesion Molecule 1; VEGFA: Vascular Endothelial Growth Factor A; XDH: Xanthine Dehydrogenase.