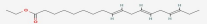
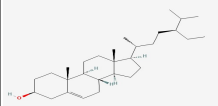
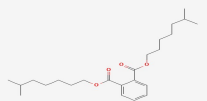
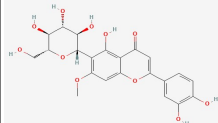
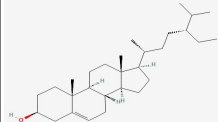
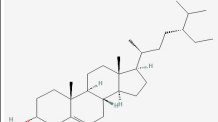
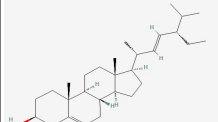
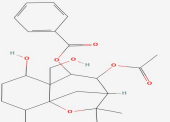
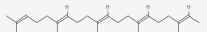
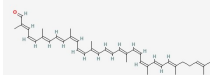
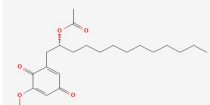
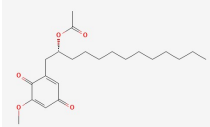
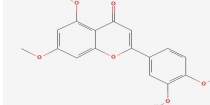
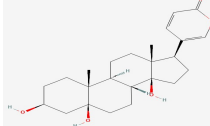
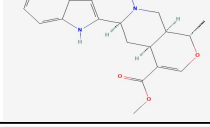
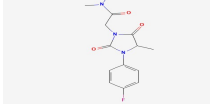
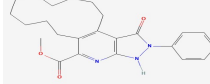
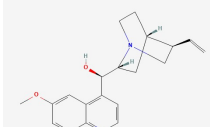


Supplementary Table 1 Basic information of active compounds in SZY

NO.	Mol ID	Molecule Name	PubChem ID	Oral Bioavailability(OB) (%)	Drug-Likeness(DL)	Structure
1	MOL001494	Mandenol	5282184	42	0.19	
2	MOL001495	Ethyl linolenate	6371716	46.1	0.2	
3	MOL001771	poriferast-5-en-3beta-ol	457801	36.91	0.75	
4	MOL002879	Diop	33934	43.59	0.39	
5	MOL002883	Ethyl oleate (NF)	5363269	32.4	0.19	
6	MOL003137	Leucanthoside	442659	32.12	0.78	
7	MOL000358	beta-sitosterol	222284	36.91	0.75	
8	MOL000359	sitosterol	12303645	36.91	0.75	
9	MOL000449	Stigmasterol	5280794	43.83	0.76	
10	MOL005360	malkangunin	90473155	57.71	0.63	
11	MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	5366013	33.4	0.24	

12	MOL005486	3,4-Dehydrolycopen-16-al	5316458	46.64	0.49	
13	MOL005489	3,6-Digalloylglucose	46191017	31.42	0.66	
14	MOL005503	Cornudentanone	46191017	39.66	0.33	
15	MOL005530	Hydroxygenkwanin	5318214	36.47	0.27	
16	MOL005531	Telocinobufagin	259991	69.99	0.79	
17	MOL008457	Tetrahydroalstonine	72340	32.42	0.81	
18	MOL000554	gallic acid-3-O-(6'-O-galloyl)-glucoside	51184072	30.25	0.67	
19	MOL005552	gemin D	471119	68.83	0.56	
20	MOL005557	lanosta-8,24-dien-3-ol,3-acetate	94175	44.3	0.82	

Supplementary Table 2 The targets of 20 active components in SZY

MOLID	MOL name	Target name	Targes Gene Symbol	Source
MOL001494	Mandenol	Prostaglandin G/H synthase 1	PTGS1	TCMSP
MOL001494	Mandenol	Prostaglandin G/H synthase 2	PTGS2	TCMSP
MOL001494	Mandenol	Nuclear receptor coactivator 2	NCOA2	TCMSP
MOL001495	Ethyl linolenate	Prostaglandin G/H synthase 1	PTGS1	TCMSP
MOL001495	Ethyl linolenate	Nuclear receptor coactivator 2	NCOA2	TCMSP
MOL001771	poriferast-5-en-3beta-ol	Progesterone receptor	PGR	TCMSP
MOL001771	poriferast-5-en-3beta-ol	Nuclear receptor coactivator 2	NCOA2	TCMSP
MOL002879	Diop	Sodium channel protein type 5 subunit alpha	SCN5A	TCMSP
MOL002879	Diop	Beta-2 adrenergic receptor	ADRB2	TCMSP
MOL002879	Diop	Muscarinic acetylcholine receptor M3	CHRM3	TCMSP
MOL002883	Ethyl oleate (NF)	Nuclear receptor coactivator 2	NCOA2	TCMSP
MOL003137	Leucanthoside	DNA topoisomerase II	TOP2	TCMSP
MOL003137	Leucanthoside	Proto-oncogene serine/threonine-protein kinase Pim-1	PIM1	TCMSP
MOL000358	beta-sitosterol	Progesterone receptor	PGR	TCMSP
MOL000358	beta-sitosterol	Nuclear receptor coactivator 2	NCOA2	TCMSP
MOL000358	beta-sitosterol	Prostaglandin G/H synthase 1	PTGS1	TCMSP
MOL000358	beta-sitosterol	Prostaglandin G/H synthase 2	PTGS2	TCMSP
MOL000358	beta-sitosterol	Heat shock protein HSP 90	HSP 90	TCMSP
MOL000358	beta-sitosterol	Phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit, gamma isoform	PIK3CG	TCMSP
MOL000358	beta-sitosterol	Potassium voltage-gated channel subfamily H member 2	KCNH2	TCMSP
MOL000358	beta-sitosterol	Dopamine D1 receptor	DRD1	TCMSP
MOL000358	beta-sitosterol	Muscarinic acetylcholine receptor M3	CHRM3	TCMSP
MOL000358	beta-sitosterol	Muscarinic acetylcholine receptor M1	CHRM1	TCMSP
MOL000358	beta-sitosterol	Sodium channel protein type 5 subunit alpha	SCN5A	TCMSP
MOL000358	beta-sitosterol	Gamma-aminobutyric-acid receptor alpha-2 subunit	GABRA2	TCMSP
MOL000358	beta-sitosterol	Muscarinic acetylcholine receptor M4	CHRM4	TCMSP
MOL000358	beta-sitosterol	5-hydroxytryptamine 2A receptor	HTR2A	TCMSP
MOL000358	beta-sitosterol	Gamma-aminobutyric-acid receptor alpha-5 subunit	GABRA5	TCMSP
MOL000358	beta-sitosterol	Alpha-1A adrenergic receptor	ADRA1A	TCMSP
MOL000358	beta-sitosterol	Gamma-aminobutyric-acid receptor alpha-3 subunit	GABRA3	TCMSP
MOL000358	beta-sitosterol	Muscarinic acetylcholine receptor M2	CHRM2	TCMSP
MOL000358	beta-sitosterol	Alpha-1B adrenergic receptor	ADRA1B	TCMSP
MOL000358	beta-sitosterol	Beta-2 adrenergic receptor	ADRB2	TCMSP

MOL000358	beta-sitosterol	Neuronal acetylcholine receptor subunit alpha-2	CHRNA2	TCMSP
MOL000358	beta-sitosterol	Sodium-dependent serotonin transporter	SLC6A4	TCMSP
MOL000358	beta-sitosterol	Mu-type opioid receptor	OPRM1	TCMSP
MOL000358	beta-sitosterol	Gamma-aminobutyric acid receptor subunit alpha-1	GABRA1	TCMSP
MOL000358	beta-sitosterol	Apoptosis regulator Bcl-2	BCL2	TCMSP
MOL000358	beta-sitosterol	Apoptosis regulator BAX	BAX	TCMSP
MOL000358	beta-sitosterol	Caspase-9	CASP9	TCMSP
MOL000358	beta-sitosterol	Caspase-3	CASP3	TCMSP
MOL000358	beta-sitosterol	Caspase-8	CASP8	TCMSP
MOL000358	beta-sitosterol	Protein kinase C alpha type	PRKCA	TCMSP
MOL000358	beta-sitosterol	Transforming growth factor beta-1	TGFB1	TCMSP
MOL000358	beta-sitosterol	Serum paraoxonase/arylesterase 1	PON1	TCMSP
MOL000358	beta-sitosterol	Microtubule-associated protein 2	MAP2	TCMSP
MOL000359	sitosterol	Progesterone receptor	PGR	TCMSP
MOL000359	sitosterol	Nuclear receptor coactivator 2	NCOA2	TCMSP
MOL000359	sitosterol	Mineralocorticoid receptor	NR3C2	TCMSP
MOL000449	Stigmasterol	Progesterone receptor	PGR	TCMSP
MOL000449	Stigmasterol	Mineralocorticoid receptor	NR3C2	TCMSP
MOL000449	Stigmasterol	Nuclear receptor coactivator 2	NCOA2	TCMSP
MOL000449	Stigmasterol	Alcohol dehydrogenase 1C	ADH1C	TCMSP
MOL000449	Stigmasterol	Retinoic acid receptor RXR-alpha	RXRA	TCMSP
MOL000449	Stigmasterol	Nuclear receptor coactivator 1	NCOA1	TCMSP
MOL000449	Stigmasterol	Prostaglandin G/H synthase 1	PTGS1	TCMSP
MOL000449	Stigmasterol	Prostaglandin G/H synthase 2	PTGS2	TCMSP
MOL000449	Stigmasterol	Alpha-2A adrenergic receptor	ADRA2A	TCMSP
MOL000449	Stigmasterol	Sodium-dependent noradrenaline transporter	SLC6A2	TCMSP
MOL000449	Stigmasterol	Sodium-dependent dopamine transporter	SLC6A3	TCMSP
MOL000449	Stigmasterol	Beta-2 adrenergic receptor	ADRB2	TCMSP
MOL000449	Stigmasterol	Urokinase-type plasminogen activator	PLAU	TCMSP
MOL000449	Stigmasterol	Leukotriene A-4 hydrolase	LTA4H	TCMSP
MOL000449	Stigmasterol	Amine oxidase [flavin-containing] B	MAOB	TCMSP
MOL000449	Stigmasterol	Amine oxidase [flavin-containing] A	MAOA	TCMSP
MOL000449	Stigmasterol	Chymotrypsinogen B	CTRB1	TCMSP
MOL000449	Stigmasterol	Muscarinic acetylcholine receptor M3	CHRM3	TCMSP
MOL000449	Stigmasterol	Muscarinic acetylcholine receptor M1	CHRM1	TCMSP
MOL000449	Stigmasterol	Beta-1 adrenergic receptor	ADRB1	TCMSP
MOL000449	Stigmasterol	Sodium channel protein type 5 subunit alpha	SCN5A	TCMSP
MOL000449	Stigmasterol	5-hydroxytryptamine 2A receptor	HTR2A	TCMSP
MOL000449	Stigmasterol	Alpha-1A adrenergic receptor	ADRA1A	TCMSP
MOL000449	Stigmasterol	Gamma-aminobutyric-acid receptor alpha-3 subunit	GABRA3	TCMSP

MOL000449	Stigmasterol	Muscarinic acetylcholine receptor M2	CHRM2	TCMSP
MOL000449	Stigmasterol	Alpha-1B adrenergic receptor	ADRA1B	TCMSP
MOL000449	Stigmasterol	Gamma-aminobutyric acid receptor subunit alpha-1	GABRA1	TCMSP
MOL005481	2,6,10,14,18-pentamethylicosane	Prostaglandin G/H synthase 2	PTGS2	TCMSP
MOL005503	Cornudentanone	Prostaglandin G/H synthase 2	PTGS2	TCMSP
MOL005503	Cornudentanone	Nuclear receptor coactivator 2	NCOA2	TCMSP
MOL005530	Hydroxyginkgolide A	Nitric oxide synthase, inducible	NOS2	TCMSP
MOL005530	Hydroxyginkgolide A	Prostaglandin G/H synthase 1	PTGS1	TCMSP
MOL005530	Hydroxyginkgolide A	Prostaglandin G/H synthase 2	PTGS2	TCMSP
MOL005530	Hydroxyginkgolide A	Dipeptidyl peptidase IV	DPP4	TCMSP
MOL005530	Hydroxyginkgolide A	Heat shock protein HSP 90	HSP 90	TCMSP
MOL005530	Hydroxyginkgolide A	Nuclear receptor coactivator 2	NCOA2	TCMSP
MOL005530	Hydroxyginkgolide A	CALM	CALM	TCMSP
MOL005530	Hydroxyginkgolide A	Phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit, gamma isoform	PIK3CG	TCMSP
MOL005531	Telocinobufagin	Mineralocorticoid receptor	NR3C2	TCMSP
MOL005531	Telocinobufagin	Glucocorticoid receptor	NR3C1	TCMSP
MOL008457	Tetrahydroalstonine	Nitric oxide synthase, inducible	NOS2	TCMSP
MOL008457	Tetrahydroalstonine	Prostaglandin G/H synthase 1	PTGS1	TCMSP
MOL008457	Tetrahydroalstonine	Dopamine D1 receptor	DRD1	TCMSP
MOL008457	Tetrahydroalstonine	Muscarinic acetylcholine receptor M3	CHRM3	TCMSP
MOL008457	Tetrahydroalstonine	Potassium voltage-gated channel subfamily H member 2	KCNH2	TCMSP
MOL008457	Tetrahydroalstonine	Muscarinic acetylcholine receptor M1	CHRM1	TCMSP
MOL008457	Tetrahydroalstonine	Androgen receptor	AR	TCMSP
MOL008457	Tetrahydroalstonine	Sodium channel protein type 5 subunit alpha	SCN5A	TCMSP
MOL008457	Tetrahydroalstonine	Peroxisome proliferator activated receptor gamma	PPARG	TCMSP
MOL008457	Tetrahydroalstonine	Muscarinic acetylcholine receptor M5	CHRM5	TCMSP
MOL008457	Tetrahydroalstonine	Prostaglandin G/H synthase 2	PTGS2	TCMSP
MOL008457	Tetrahydroalstonine	Alpha-2C adrenergic receptor	ADRA2C	TCMSP

MOL008457	Tetrahydroalstonine	Muscarinic acetylcholine receptor M4	CHRM4	TCMSP
MOL008457	Tetrahydroalstonine	Delta-type opioid receptor	OPRD1	TCMSP
MOL008457	Tetrahydroalstonine	Acetylcholinesterase	ACHE	TCMSP
MOL008457	Tetrahydroalstonine	5-hydroxytryptamine 2A receptor	HTR2A	TCMSP
MOL008457	Tetrahydroalstonine	Alpha-1B adrenergic receptor	ADRA1B	TCMSP
MOL008457	Tetrahydroalstonine	Beta-2 adrenergic receptor	ADRB2	TCMSP
MOL008457	Tetrahydroalstonine	Alpha-1D adrenergic receptor	ADRA1D	TCMSP
MOL008457	Tetrahydroalstonine	Sodium-dependent serotonin transporter	SLC6A4	TCMSP
MOL008457	Tetrahydroalstonine	Mu-type opioid receptor	OPRM1	TCMSP
MOL008457	Tetrahydroalstonine	Dipeptidyl peptidase IV	DPP4	TCMSP
MOL008457	Tetrahydroalstonine	Heat shock protein HSP 90	HSP 90	TCMSP
MOL008457	Tetrahydroalstonine	CALM	CALM	TCMSP
MOL001494	Mandenol	Anandamide amidohydrolase	FAAH	Swisstargetprediction
MOL001494	Mandenol	Cannabinoid receptor 2	CNR2	Swisstargetprediction
MOL001494	Mandenol	11-beta-hydroxysteroid dehydrogenase 1	HSD11B1	Swisstargetprediction
MOL001494	Mandenol	Cannabinoid receptor 1	CNR1	Swisstargetprediction
MOL001494	Mandenol	Carboxylesterase 2	CES2	Swisstargetprediction
MOL001494	Mandenol	Fatty acid binding protein adipocyte	FABP4	Swisstargetprediction
MOL001494	Mandenol	Fatty acid binding protein muscle	FABP3	Swisstargetprediction
MOL001494	Mandenol	Cyclooxygenase-1	PTGS1	Swisstargetprediction
MOL001494	Mandenol	Prostaglandin E synthase	PTGES	Swisstargetprediction
MOL001494	Mandenol	Cytochrome P450 19A1	CYP19A1	Swisstargetprediction
MOL001494	Mandenol	Cytochrome P450 17A1	CYP17A1	Swisstargetprediction
MOL001494	Mandenol	Cyclooxygenase-2	PTGS2	Swisstargetprediction
MOL001494	Mandenol	Protein-tyrosine phosphatase 1B	PTPN1	Swisstargetprediction
MOL001494	Mandenol	Peroxisome proliferator-activated receptor gamma	PPARG	Swisstargetprediction
MOL001494	Mandenol	Free fatty acid receptor 1	FFAR1	Swisstargetprediction
MOL001494	Mandenol	Adenosine A2a receptor	ADORA2A	Swisstargetprediction
MOL001494	Mandenol	HMG-CoA reductase (by homology)	HMGCR	Swisstargetprediction
MOL001494	Mandenol	Neuropeptide Y receptor type 5	NPY5R	Swisstargetprediction
MOL001494	Mandenol	Peroxisome proliferator-activated receptor alpha	PPARA	Swisstargetprediction
MOL001494	Mandenol	Peroxisome proliferator-activated receptor delta	PPARD	Swisstargetprediction
MOL001494	Mandenol	Glucocorticoid receptor	NR3C1	Swisstargetprediction
MOL001494	Mandenol	Mineralocorticoid receptor	NR3C2	Swisstargetprediction
MOL001494	Mandenol	Aldo-keto reductase family 1 member C2	AKR1C2	Swisstargetprediction

MOL001494	Mandenol	Aldo-keto reductase family 1 member C1	AKR1C1	Swisstargetprediction
MOL001494	Mandenol	Vascular endothelial growth factor receptor 1	FLT1	Swisstargetprediction
MOL001494	Mandenol	Vascular endothelial growth factor receptor 2	KDR	Swisstargetprediction
MOL001494	Mandenol	LXR-alpha	NR1H3	Swisstargetprediction
MOL001494	Mandenol	Acyl-CoA desaturase	SCD	Swisstargetprediction
MOL001494	Mandenol	Estradiol 17-beta-dehydrogenase 2	HSD17B2	Swisstargetprediction
MOL001494	Mandenol	Fatty acid binding protein epidermal	FABP5	Swisstargetprediction
MOL001494	Mandenol	Fatty acid-binding protein, liver	FABP1	Swisstargetprediction
MOL001494	Mandenol	Progesterone receptor	PGR	Swisstargetprediction
MOL001494	Mandenol	Microsomal triglyceride transfer protein large subunit	MTTP	Swisstargetprediction
MOL001494	Mandenol	Apolipoprotein B-100	APOB	Swisstargetprediction
MOL001494	Mandenol	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3	PFKFB3	Swisstargetprediction
MOL001494	Mandenol	Histamine H3 receptor	HRH3	Swisstargetprediction
MOL001494	Mandenol	Histamine H4 receptor	HRH4	Swisstargetprediction
MOL001494	Mandenol	Gamma-secretase	PSEN2	Swisstargetprediction
MOL001494	Mandenol	AICAR transformylase	ATIC	Swisstargetprediction
MOL001494	Mandenol	Arachidonate 5-lipoxygenase	ALOX5	Swisstargetprediction
MOL001494	Mandenol	5-lipoxygenase activating protein	ALOX5AP	Swisstargetprediction
MOL001494	Mandenol	Androgen Receptor	AR	Swisstargetprediction
MOL001494	Mandenol	Cyclin-dependent kinase 2/cyclin E1	CCNE1	Swisstargetprediction
MOL001494	Mandenol	Acetyl-CoA carboxylase 2	ACACB	Swisstargetprediction
MOL001494	Mandenol	Vasopressin V2 receptor	AVPR2	Swisstargetprediction
MOL001494	Mandenol	Calcium sensing receptor	CASR	Swisstargetprediction
MOL001494	Mandenol	Vasopressin V1a receptor	AVPR1A	Swisstargetprediction
MOL001494	Mandenol	Nuclear receptor ROR-gamma	RORC	Swisstargetprediction
MOL001494	Mandenol	GlutaminyI-peptide cyclotransferase	QPCT	Swisstargetprediction
MOL001494	Mandenol	Epoxide hydrolase 1	EPHX1	Swisstargetprediction
MOL001494	Mandenol	11-beta-hydroxysteroid dehydrogenase 2	HSD11B2	Swisstargetprediction
MOL001494	Mandenol	Phosphodiesterase 10A	PDE10A	Swisstargetprediction
MOL001494	Mandenol	Protein-tyrosine phosphatase 1C	PTPN6	Swisstargetprediction
MOL001494	Mandenol	Rho-associated protein kinase 2	ROCK2	Swisstargetprediction
MOL001494	Mandenol	Rho-associated protein kinase 1	ROCK1	Swisstargetprediction
MOL001494	Mandenol	Proteinase-activated receptor 1	F2R	Swisstargetprediction
MOL001494	Mandenol	Cathepsin K	CTSK	Swisstargetprediction
MOL001494	Mandenol	NACHT, LRR and PYD domains-containing protein 3	NLRP3	Swisstargetprediction
MOL001494	Mandenol	Tyrosine-protein kinase ABL	ABL1	Swisstargetprediction
MOL001494	Mandenol	Melanin-concentrating hormone receptor 1	MCHR1	Swisstargetprediction
MOL001494	Mandenol	Hormone sensitive lipase	LIPE	Swisstargetprediction

MOL001494	Mandenol	15-hydroxyprostaglandin dehydrogenase [NAD+]	HPGD	Swisstargetprediction
MOL001494	Mandenol	Cyclin-dependent kinase 4/cyclin D1	CCND1	Swisstargetprediction
MOL001494	Mandenol	Adenosine kinase	ADK	Swisstargetprediction
MOL001494	Mandenol	Glucose-dependent insulinotropic receptor	GPR119	Swisstargetprediction
MOL001494	Mandenol	Tankyrase-1	TNKS	Swisstargetprediction
MOL001494	Mandenol	Glucagon receptor	GCGR	Swisstargetprediction
MOL001494	Mandenol	Monoamine oxidase B	MAOB	Swisstargetprediction
MOL001494	Mandenol	Epidermal growth factor receptor erbB1	EGFR	Swisstargetprediction
MOL001494	Mandenol	Carbonic anhydrase VB	CA5B	Swisstargetprediction
MOL001494	Mandenol	Carbonic anhydrase VA	CA5A	Swisstargetprediction
MOL001494	Mandenol	Orexin receptor 2	HCRT2	Swisstargetprediction
MOL001494	Mandenol	Orexin receptor 1	HCRT1	Swisstargetprediction
MOL001494	Mandenol	Smoothed homolog	SMO	Swisstargetprediction
MOL001494	Mandenol	GABA-A receptor; alpha-5/beta-3/gamma-2	GABRB3	Swisstargetprediction
MOL001494	Mandenol	Isoprenylcysteine carboxyl methyltransferase	ICMT	Swisstargetprediction
MOL001494	Mandenol	Cytochrome P450 26A1	CYP26A1	Swisstargetprediction
MOL001494	Mandenol	Translocator protein (by homology)	TSPO	Swisstargetprediction
MOL001494	Mandenol	Protein farnesyltransferase	FNTA	Swisstargetprediction
MOL001494	Mandenol	Cyclin-dependent kinase 1/cyclin B	CCNB3	Swisstargetprediction
MOL001494	Mandenol	Metabotropic glutamate receptor 5	GRM5	Swisstargetprediction
MOL001494	Mandenol	Calcitonin gene-related peptide type 1 receptor	CALCRL	Swisstargetprediction
MOL001494	Mandenol	Voltage-gated potassium channel subunit Kv1.5	KCNA5	Swisstargetprediction
MOL001494	Mandenol	Thromboxane A2 receptor	TBXA2R	Swisstargetprediction
MOL001494	Mandenol	Nicotinamide phosphoribosyltransferase	NAMPT	Swisstargetprediction
MOL001494	Mandenol	C3a anaphylatoxin chemotactic receptor	C3AR1	Swisstargetprediction
MOL001494	Mandenol	p53-binding protein Mdm-2	MDM2	Swisstargetprediction
MOL001494	Mandenol	CDC7/DBF4 (Cell division cycle 7-related protein kinase/Activator of S phase kinase)	CDC7	Swisstargetprediction
MOL001494	Mandenol	Endothelial PAS domain-containing protein 1	EPAS1	Swisstargetprediction
MOL001494	Mandenol	Serine/threonine-protein kinase Aurora-B	AURKB	Swisstargetprediction
MOL001494	Mandenol	Cytochrome P450 24A1	CYP24A1	Swisstargetprediction
MOL001494	Mandenol	25-hydroxyvitamin D-1 alpha hydroxylase, mitochondrial (by homology)	CYP27B1	Swisstargetprediction
MOL001494	Mandenol	Isocitrate dehydrogenase [NADP] cytoplasmic	IDH1	Swisstargetprediction
MOL001494	Mandenol	C-C chemokine receptor type 5	CCR5	Swisstargetprediction
MOL001494	Mandenol	G protein-coupled receptor 44	PTGDR2	Swisstargetprediction
MOL001494	Mandenol	Cyclin-dependent kinase 1	CDK1	Swisstargetprediction

MOL001494	Mandenol	Poly [ADP-ribose] polymerase-1	PARP1	Swisstargetprediction
MOL001494	Mandenol	Transcription intermediary factor 1-alpha	TRIM24	Swisstargetprediction
MOL001494	Mandenol	Calcitonin-gene-related peptide receptor, CALCRL/RAMP1	CALCRL	Swisstargetprediction
MOL001494	Mandenol	Deoxycytidine kinase	DCK	Swisstargetprediction
MOL001495	Ethyl linolenate	Anandamide amidohydrolase	FAAH	Swisstargetprediction
MOL001495	Ethyl linolenate	Cannabinoid receptor 1	CNR1	Swisstargetprediction
MOL001495	Ethyl linolenate	Cannabinoid receptor 2	CNR2	Swisstargetprediction
MOL001495	Ethyl linolenate	Prostaglandin E synthase	PTGES	Swisstargetprediction
MOL001495	Ethyl linolenate	Cytochrome P450 19A1	CYP19A1	Swisstargetprediction
MOL001495	Ethyl linolenate	Fatty acid binding protein adipocyte	FABP4	Swisstargetprediction
MOL001495	Ethyl linolenate	Fatty acid binding protein muscle	FABP3	Swisstargetprediction
MOL001495	Ethyl linolenate	Free fatty acid receptor 1	FFAR1	Swisstargetprediction
MOL001495	Ethyl linolenate	Protein-tyrosine phosphatase 1B	PTPN1	Swisstargetprediction
MOL001495	Ethyl linolenate	Androgen Receptor	AR	Swisstargetprediction
MOL001495	Ethyl linolenate	Cytochrome P450 17A1	CYP17A1	Swisstargetprediction
MOL001495	Ethyl linolenate	11-beta-hydroxysteroid dehydrogenase 1	HSD11B1	Swisstargetprediction
MOL001495	Ethyl linolenate	Cyclooxygenase-1	PTGS1	Swisstargetprediction
MOL001495	Ethyl linolenate	Carboxylesterase 2	CES2	Swisstargetprediction
MOL001495	Ethyl linolenate	Peroxisome proliferator-activated receptor gamma	PPARG	Swisstargetprediction
MOL001495	Ethyl linolenate	Peroxisome proliferator-activated receptor delta	PPARD	Swisstargetprediction
MOL001495	Ethyl linolenate	HMG-CoA reductase (by homology)	HMGCR	Swisstargetprediction
MOL001495	Ethyl linolenate	LXR-alpha	NR1H3	Swisstargetprediction
MOL001495	Ethyl linolenate	Neuropeptide Y receptor type 5	NPY5R	Swisstargetprediction
MOL001495	Ethyl linolenate	Cyclooxygenase-2	PTGS2	Swisstargetprediction
MOL001495	Ethyl linolenate	Proteinase-activated receptor 1	F2R	Swisstargetprediction
MOL001495	Ethyl linolenate	Gamma-secretase	PSEN2	Swisstargetprediction
MOL001495	Ethyl linolenate	Testis-specific androgen-binding protein	SHBG	Swisstargetprediction
MOL001495	Ethyl linolenate	T-cell protein-tyrosine phosphatase	PTPN2	Swisstargetprediction
MOL001495	Ethyl linolenate	Aldo-keto reductase family 1 member C2	AKR1C2	Swisstargetprediction
MOL001495	Ethyl linolenate	Aldo-keto reductase family 1 member C1	AKR1C1	Swisstargetprediction
MOL001495	Ethyl linolenate	Isocitrate dehydrogenase [NADP] cytoplasmic	IDH1	Swisstargetprediction
MOL001495	Ethyl linolenate	Phosphodiesterase 10A (by homology)	PDE10A	Swisstargetprediction
MOL001495	Ethyl linolenate	Fatty acid binding protein epidermal	FABP5	Swisstargetprediction
MOL001495	Ethyl linolenate	Fatty acid-binding protein, liver	FABP1	Swisstargetprediction
MOL001495	Ethyl linolenate	5-lipoxygenase activating protein	ALOX5AP	Swisstargetprediction

MOL001495	Ethyl linolenate	Mineralocorticoid receptor	NR3C2	Swisstargetprediction
MOL001495	Ethyl linolenate	Glucocorticoid receptor	NR3C1	Swisstargetprediction
MOL001495	Ethyl linolenate	Progesterone receptor	PGR	Swisstargetprediction
MOL001495	Ethyl linolenate	Estradiol 17-beta-dehydrogenase 2	HSD17B2	Swisstargetprediction
MOL001495	Ethyl linolenate	Cytochrome P450 26A1	CYP26A1	Swisstargetprediction
MOL001495	Ethyl linolenate	Adenosine A2a receptor	ADORA2A	Swisstargetprediction
MOL001495	Ethyl linolenate	Peroxisome proliferator-activated receptor alpha	PPARA	Swisstargetprediction
MOL001495	Ethyl linolenate	Histamine H3 receptor	HRH3	Swisstargetprediction
MOL001495	Ethyl linolenate	Histamine H4 receptor	HRH4	Swisstargetprediction
MOL001495	Ethyl linolenate	Thromboxane A2 receptor	TBXA2R	Swisstargetprediction
MOL001495	Ethyl linolenate	Prostanoid EP2 receptor	PTGER2	Swisstargetprediction
MOL001495	Ethyl linolenate	Prostanoid IP receptor	PTGIR	Swisstargetprediction
MOL001495	Ethyl linolenate	Vasopressin V2 receptor	AVPR2	Swisstargetprediction
MOL001495	Ethyl linolenate	11-beta-hydroxysteroid dehydrogenase 2	HSD11B2	Swisstargetprediction
MOL001495	Ethyl linolenate	Cytochrome P450 26B1	CYP26B1	Swisstargetprediction
MOL001495	Ethyl linolenate	Smoothened homolog	SMO	Swisstargetprediction
MOL001495	Ethyl linolenate	Protein-glutamine gamma-glutamyltransferase	TGM2	Swisstargetprediction
MOL001495	Ethyl linolenate	Protein-glutamine gamma-glutamyltransferase K	TGM1	Swisstargetprediction
MOL001495	Ethyl linolenate	Neuropeptide Y receptor type 1	NPY1R	Swisstargetprediction
MOL001495	Ethyl linolenate	Tankyrase-1	TNKS	Swisstargetprediction
MOL001495	Ethyl linolenate	Cyclin-dependent kinase 1/cyclin B	CCNB3	Swisstargetprediction
MOL001495	Ethyl linolenate	Glutamate [NMDA] receptor subunit epsilon 2	GRIN2B	Swisstargetprediction
MOL001495	Ethyl linolenate	Acetyl-CoA carboxylase 2	ACACB	Swisstargetprediction
MOL001495	Ethyl linolenate	Vascular endothelial growth factor receptor 1	FLT1	Swisstargetprediction
MOL001495	Ethyl linolenate	Serine/threonine-protein kinase RAF	RAF1	Swisstargetprediction
MOL001495	Ethyl linolenate	Platelet-derived growth factor receptor beta	PDGFRB	Swisstargetprediction
MOL001495	Ethyl linolenate	Stem cell growth factor receptor	KIT	Swisstargetprediction
MOL001495	Ethyl linolenate	Vascular endothelial growth factor receptor 3	FLT4	Swisstargetprediction
MOL001495	Ethyl linolenate	Tyrosine-protein kinase SRC	SRC	Swisstargetprediction
MOL001495	Ethyl linolenate	Vascular endothelial growth factor receptor 2	KDR	Swisstargetprediction
MOL001495	Ethyl linolenate	Protein kinase C delta	PRKCD	Swisstargetprediction
MOL001495	Ethyl linolenate	Protein kinase C theta	PRKCQ	Swisstargetprediction
MOL001495	Ethyl linolenate	Protein farnesyltransferase	FNTA	Swisstargetprediction
MOL001495	Ethyl linolenate	Glutaminyl-peptide cyclotransferase	QPCT	Swisstargetprediction
MOL001495	Ethyl linolenate	Vasopressin V1a receptor (by homology)	AVPR1A	Swisstargetprediction
MOL001495	Ethyl linolenate	Phospholipase D1	PLD1	Swisstargetprediction
MOL001495	Ethyl linolenate	Phospholipase D2	PLD2	Swisstargetprediction
MOL001495	Ethyl linolenate	Glutamate receptor ionotropic, AMPA 2	GRIA2	Swisstargetprediction
MOL001495	Ethyl linolenate	Epoxide hydrolase 1	EPHX1	Swisstargetprediction

MOL001495	Ethyl linolenate	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3	PFKFB3	Swisstargetprediction
MOL001495	Ethyl linolenate	NACHT, LRR and PYD domains-containing protein 3	NLRP3	Swisstargetprediction
MOL001495	Ethyl linolenate	Monoamine oxidase B	MAOB	Swisstargetprediction
MOL001495	Ethyl linolenate	N-acylsphingosine-amidohydrolase (by homology)	NAAA	Swisstargetprediction
MOL001495	Ethyl linolenate	Corticotropin releasing factor receptor 1	CRHR1	Swisstargetprediction
MOL001495	Ethyl linolenate	Tyrosine-protein kinase ABL	ABL1	Swisstargetprediction
MOL001495	Ethyl linolenate	Aurora kinase B/Inner centromere protein	INCENP	Swisstargetprediction
MOL001495	Ethyl linolenate	Serine/threonine-protein kinase Aurora-A	AURKA	Swisstargetprediction
MOL001495	Ethyl linolenate	Oxytocin receptor	OXTR	Swisstargetprediction
MOL001495	Ethyl linolenate	Metabotropic glutamate receptor 5 (by homology)	GRM5	Swisstargetprediction
MOL001495	Ethyl linolenate	Poly [ADP-ribose] polymerase-1	PARP1	Swisstargetprediction
MOL001495	Ethyl linolenate	Tankyrase-2	TNKS2	Swisstargetprediction
MOL001495	Ethyl linolenate	Potassium channel subfamily K member 9	KCNK9	Swisstargetprediction
MOL001495	Ethyl linolenate	Cyclin-dependent kinase 2/cyclin E1	CCNE1	Swisstargetprediction
MOL001495	Ethyl linolenate	MAP kinase p38 alpha	MAPK14	Swisstargetprediction
MOL001495	Ethyl linolenate	Cyclin-dependent kinase 2	CDK2	Swisstargetprediction
MOL001495	Ethyl linolenate	Cyclin-dependent kinase 7	CDK7	Swisstargetprediction
MOL001495	Ethyl linolenate	Cyclin-dependent kinase 1	CDK1	Swisstargetprediction
MOL001495	Ethyl linolenate	Cyclin-dependent kinase 9	CDK9	Swisstargetprediction
MOL001495	Ethyl linolenate	Cyclin-dependent kinase 4	CDK4	Swisstargetprediction
MOL001495	Ethyl linolenate	Cyclin-dependent kinase 5/CDK5 activator 1	CDK5	Swisstargetprediction
MOL001495	Ethyl linolenate	Tyrosine-protein kinase BTK	BTK	Swisstargetprediction
MOL001495	Ethyl linolenate	Gonadotropin-releasing hormone receptor	GNRHR	Swisstargetprediction
MOL001495	Ethyl linolenate	Somatostatin receptor 2	SSTR2	Swisstargetprediction
MOL001495	Ethyl linolenate	Somatostatin receptor 4	SSTR4	Swisstargetprediction
MOL001495	Ethyl linolenate	Cathepsin S	CTSS	Swisstargetprediction
MOL001495	Ethyl linolenate	Cathepsin L	CTSL	Swisstargetprediction
MOL001495	Ethyl linolenate	CDC7/DBF4 (Cell division cycle 7-related protein kinase/Activator of S phase kinase)	CDC7	Swisstargetprediction
MOL001495	Ethyl linolenate	Acyl coenzyme A:cholesterol acyltransferase	CES1	Swisstargetprediction
MOL001495	Ethyl linolenate	Nicotinamide phosphoribosyltransferase	NAMPT	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Niemann-Pick C1-like protein 1	NPC1L1	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	LXR-alpha	NR1H3	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Nuclear receptor ROR-gamma	RORC	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Cytochrome P450 17A1	CYP17A1	Swisstargetprediction

MOL001771	poriferast-5-en-3beta-ol	HMG-CoA reductase	HMGR	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Testis-specific androgen-binding protein	SHBG	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Sterol regulatory element-binding protein 2	SREBF2	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Cytochrome P450 19A1	CYP19A1	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Androgen Receptor	AR	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Cytochrome P450 51 (by homology)	CYP51A1	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Nuclear receptor ROR-alpha	RORA	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Estrogen receptor alpha	ESR1	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Estrogen receptor beta	ESR2	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Protein-tyrosine phosphatase 1B	PTPN1	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Cytochrome P450 2C19	CYP2C19	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Corticosteroid binding globulin	SERPINA6	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Glucose-6-phosphate 1-dehydrogenase	G6PD	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Acetylcholinesterase	ACHE	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Norepinephrine transporter	SLC6A2	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Serotonin transporter	SLC6A4	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Butyrylcholinesterase	BCHE	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Muscarinic acetylcholine receptor M2	CHRM2	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Nuclear receptor subfamily 1 group I member 3 (by homology)	NR1I3	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	LXR-beta	NR1H2	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Prostanoid EP1 receptor (by homology)	PTGER1	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Prostanoid EP2 receptor (by homology)	PTGER2	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Prostaglandin E synthase	PTGES	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Vitamin D receptor	VDR	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Anti-estrogen binding site (AEBS) (by homology)	DHCR7	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Peroxisome proliferator-activated receptor delta	PPARD	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Squalene monooxygenase	SQLE	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	11-beta-hydroxysteroid dehydrogenase 1	HSD11B1	Swisstargetprediction

MOL001771	poriferast-5-en-3beta-ol	Protein-tyrosine phosphatase 1C	PTPN6	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	T-cell protein-tyrosine phosphatase	PTPN2	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Carboxylesterase 2	CES2	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Glycine receptor subunit alpha-1	GLRA1	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Nitric oxide synthase, inducible (by homology)	NOS2	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Peroxisome proliferator-activated receptor gamma	PPARG	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	UDP-glucuronosyltransferase 2B7	UGT2B7	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	DNA polymerase beta (by homology)	POLB	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Prolyl endopeptidase	PREP	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Dynamin-1	DNM1	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Prostanoid EP4 receptor (by homology)	PTGER4	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Indoleamine 2,3-dioxygenase	IDO1	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Smoothed homolog	SMO	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Glucocorticoid receptor	NR3C1	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Potassium-transporting ATPase alpha chain 2	ATP12A	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Prostanoid IP receptor	PTGIR	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Sigma opioid receptor	SIGMAR1	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Isoprenylcysteine carboxyl methyltransferase	ICMT	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Anti-estrogen binding site (AEBS)	DHCR7	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	p53-binding protein Mdm-2	MDM2	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Fatty acid binding protein adipocyte	FABP4	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Telomerase reverse transcriptase	TERT	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Fatty acid binding protein muscle	FABP3	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Fatty acid binding protein epidermal	FABP5	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Fatty acid-binding protein, liver	FABP1	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Sphingosine 1-phosphate receptor Edg-3	S1PR3	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Sphingosine 1-phosphate receptor Edg-1	S1PR1	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Phosphodiesterase 4A	PDE4A	Swisstargetprediction

MOL001771	poriferast-5-en-3beta-ol	Phosphodiesterase 4B	PDE4B	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Phosphodiesterase 4C	PDE4C	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Dopamine transporter	SLC6A3	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	MAP kinase ERK1	MAPK3	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Protein kinase C eta	PRKCH	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Protein-tyrosine phosphatase 2C	PTPN11	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Aldo-keto reductase family 1 member B10	AKR1B10	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Thromboxane-A synthase	TBXAS1	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	C-X-C chemokine receptor type 3	CXCR3	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Methionine aminopeptidase 1	METAP1	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Orexin receptor 2	HCRT2	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Orexin receptor 1	HCRT1	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	11-beta-hydroxysteroid dehydrogenase 2	HSD11B2	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Sonic hedgehog protein (by homology)	SHH	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Receptor-type tyrosine-protein phosphatase F (LAR)	PTPRF	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Phospholipase A2 group 1B	PLA2G1B	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Low molecular weight phosphotyrosine protein phosphatase	ACP1	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Peroxisome proliferator-activated receptor alpha	PPARA	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Vitamin D-binding protein	GC	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	DNA topoisomerase II alpha	TOP2A	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Liver glycogen phosphorylase	PYGL	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Thrombin	F2	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	c-Jun N-terminal kinase 1	MAPK8	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Microtubule-associated serine/threonine-protein kinase 3	MAST3	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Thrombin and coagulation factor X	F10	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Monoglyceride lipase	MGLL	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Prostanoid FP receptor	PTGFR	Swisstargetprediction

MOL001771	poriferast-5-en-3beta-ol	Prostanoid EP3 receptor	PTGER3	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Prostanoid DP receptor	PTGDR	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	C-C chemokine receptor type 1	CCR1	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	TNF-alpha	TNF	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Protein Mdm4	MDM4	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Dopamine D2 receptor	DRD2	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Epoxide hydratase	EPHX2	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Cyclin-dependent kinase 6	CDK6	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Cyclin-dependent kinase 4	CDK4	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Monocarboxylate transporter 1	SLC16A1	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Cannabinoid receptor 1	CNR1	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	DNA topoisomerase I	TOP1	Swisstargetprediction
MOL001771	poriferast-5-en-3beta-ol	Mineralocorticoid receptor	NR3C2	Swisstargetprediction
MOL002879	Diop	Protein kinase C delta	PRKCD	Swisstargetprediction
MOL002879	Diop	T-cell protein-tyrosine phosphatase	PTPN2	Swisstargetprediction
MOL002879	Diop	Androgen Receptor (by homology)	AR	Swisstargetprediction
MOL002879	Diop	Protein-tyrosine phosphatase 1B	PTPN1	Swisstargetprediction
MOL002879	Diop	Potassium channel subfamily K member 2 (by homology)	KCNK2	Swisstargetprediction
MOL002879	Diop	Squalene monooxygenase (by homology)	SQLE	Swisstargetprediction
MOL002879	Diop	Cathepsin L	CTSL	Swisstargetprediction
MOL002879	Diop	Ribosomal protein S6 kinase alpha 2	RPS6KA2	Swisstargetprediction
MOL002879	Diop	Kappa Opioid receptor	OPRK1	Swisstargetprediction
MOL002879	Diop	Steroidogenic factor 1	NR5A1	Swisstargetprediction
MOL002879	Diop	PI3-kinase p110-delta subunit	PIK3CD	Swisstargetprediction
MOL002879	Diop	PI3-kinase p110-beta subunit	PIK3CB	Swisstargetprediction
MOL002879	Diop	PI3-kinase p110-gamma subunit	PIK3CG	Swisstargetprediction
MOL002879	Diop	PI3-kinase p110-alpha subunit	PIK3CA	Swisstargetprediction
MOL002879	Diop	Protein kinase C alpha	PRKCA	Swisstargetprediction
MOL002879	Diop	Adenosine A2a receptor	ADORA2A	Swisstargetprediction
MOL002879	Diop	Anandamide amidohydrolase	FAAH	Swisstargetprediction
MOL002879	Diop	Matrix metalloproteinase 13	MMP13	Swisstargetprediction
MOL002879	Diop	Serine/threonine-protein kinase B-raf	BRAF	Swisstargetprediction
MOL002879	Diop	Type-1 angiotensin II receptor	AGTR1	Swisstargetprediction
MOL002879	Diop	Prostaglandin E synthase	PTGES	Swisstargetprediction
MOL002879	Diop	Dopamine transporter (by homology)	SLC6A3	Swisstargetprediction

MOL002879	Diop	MAP kinase ERK2	MAPK1	Swisstargetprediction
MOL002879	Diop	Leukocyte elastase	ELANE	Swisstargetprediction
MOL002879	Diop	Gonadotropin-releasing hormone receptor	GNRHR	Swisstargetprediction
MOL002879	Diop	Poly [ADP-ribose] polymerase-1	PARP1	Swisstargetprediction
MOL002879	Diop	Tyrosine-protein kinase receptor FLT3	FLT3	Swisstargetprediction
MOL002879	Diop	Sodium channel protein type V alpha subunit	SCN5A	Swisstargetprediction
MOL002879	Diop	Sodium channel protein type II alpha subunit	SCN2A	Swisstargetprediction
MOL002879	Diop	2-acylglycerol O-acyltransferase 2	MOGAT2	Swisstargetprediction
MOL002879	Diop	Sodium/calcium exchanger 1	SLC8A1	Swisstargetprediction
MOL002879	Diop	Induced myeloid leukemia cell differentiation protein Mcl-1	MCL1	Swisstargetprediction
MOL002879	Diop	Apoptosis regulator Bcl-X	BCL2L1	Swisstargetprediction
MOL002879	Diop	Apoptosis regulator Bcl-2	BCL2	Swisstargetprediction
MOL002879	Diop	Purinergic receptor P2Y12	P2RY12	Swisstargetprediction
MOL002879	Diop	Plasminogen activator inhibitor-1	SERPINE1	Swisstargetprediction
MOL002879	Diop	Serotonin 1a (5-HT1a) receptor	HTR1A	Swisstargetprediction
MOL002879	Diop	Histone acetyltransferase p300	EP300	Swisstargetprediction
MOL002879	Diop	Histone acetyltransferase PCAF	KAT2B	Swisstargetprediction
MOL002879	Diop	Histone acetyltransferase GCN5	KAT2A	Swisstargetprediction
MOL002879	Diop	Serine/threonine-protein kinase TAO1	TAOK1	Swisstargetprediction
MOL002879	Diop	Serine/threonine-protein kinase TAO3	TAOK3	Swisstargetprediction
MOL002879	Diop	Epidermal growth factor receptor erbB1	EGFR	Swisstargetprediction
MOL002879	Diop	Fibroblast growth factor receptor 1	FGFR1	Swisstargetprediction
MOL002879	Diop	Heparanase	HPSE	Swisstargetprediction
MOL002879	Diop	Carnitine O-palmitoyltransferase 1, liver isoform	CPT1A	Swisstargetprediction
MOL002879	Diop	Plectin	PLEC	Swisstargetprediction
MOL002879	Diop	Phosphodiesterase 10A	PDE10A	Swisstargetprediction
MOL002879	Diop	ADAMTS4	ADAMTS4	Swisstargetprediction
MOL002879	Diop	MAP kinase p38 alpha	MAPK14	Swisstargetprediction
MOL002879	Diop	Beta-glucocerebrosidase	GBA	Swisstargetprediction
MOL002879	Diop	Glutaminase kidney isoform, mitochondrial	GLS	Swisstargetprediction
MOL002879	Diop	NAD-dependent deacetylase sirtuin 2	SIRT2	Swisstargetprediction
MOL002879	Diop	Orexin receptor 2	HCRT2	Swisstargetprediction
MOL002879	Diop	Orexin receptor 1	HCRT1	Swisstargetprediction
MOL002879	Diop	Lysine-specific histone demethylase 1	KDM1A	Swisstargetprediction
MOL002879	Diop	Dual specificity protein phosphatase 3	DUSP3	Swisstargetprediction

MOL002879	Diop	Vascular endothelial growth factor receptor 3	FLT4	Swisstargetprediction
MOL002879	Diop	Phosphodiesterase 4A	PDE4A	Swisstargetprediction
MOL002879	Diop	C-C chemokine receptor type 5	CCR5	Swisstargetprediction
MOL002879	Diop	Phosphodiesterase 4B	PDE4B	Swisstargetprediction
MOL002879	Diop	Acyl-CoA desaturase	SCD	Swisstargetprediction
MOL002879	Diop	MAP kinase-activated protein kinase 2	MAPKAPK2	Swisstargetprediction
MOL002879	Diop	Tyrosine-protein kinase LCK	LCK	Swisstargetprediction
MOL002879	Diop	Nerve growth factor receptor Trk-A	NTRK1	Swisstargetprediction
MOL002879	Diop	Acetyl-CoA carboxylase 1	ACACA	Swisstargetprediction
MOL002879	Diop	Angiotensin II receptor	AGTR2	Swisstargetprediction
MOL002879	Diop	Serine/threonine-protein kinase Aurora-A	AURKA	Swisstargetprediction
MOL002879	Diop	Acetyl-CoA carboxylase 2	ACACB	Swisstargetprediction
MOL002879	Diop	Neuronal acetylcholine receptor protein alpha-7 subunit	CHRNA7	Swisstargetprediction
MOL002879	Diop	Niemann-Pick C1-like protein 1	NPC1L1	Swisstargetprediction
MOL002879	Diop	Kinesin-1 heavy chain/ Tyrosine-protein kinase receptor RET	RET	Swisstargetprediction
MOL002879	Diop	Cyclooxygenase-2	PTGS2	Swisstargetprediction
MOL002879	Diop	Arachidonate 15-lipoxygenase	ALOX15	Swisstargetprediction
MOL002879	Diop	Cyclin-dependent kinase 4/cyclin D1	CCND1	Swisstargetprediction
MOL002879	Diop	Cyclin-dependent kinase 1/cyclin B1	CDK1	Swisstargetprediction
MOL002879	Diop	Receptor protein-tyrosine kinase erbB-2	ERBB2	Swisstargetprediction
MOL002879	Diop	Thyroid hormone receptor beta-1	THRB	Swisstargetprediction
MOL002879	Diop	Cyclin T1	CCNT1	Swisstargetprediction
MOL002879	Diop	Sterol regulatory element-binding protein 2	SREBF2	Swisstargetprediction
MOL002879	Diop	Glycogen synthase kinase-3 beta	GSK3B	Swisstargetprediction
MOL002879	Diop	Cathepsin K	CTSK	Swisstargetprediction
MOL002879	Diop	Cathepsin S	CTSS	Swisstargetprediction
MOL002879	Diop	Bradykinin B1 receptor	BDKRB1	Swisstargetprediction
MOL002879	Diop	Endothelial lipase	LIPG	Swisstargetprediction
MOL002879	Diop	Cathepsin (B and K)	CTSB	Swisstargetprediction
MOL002879	Diop	TGF-beta receptor type I	TGFBR1	Swisstargetprediction
MOL002879	Diop	TRAF2- and NCK-interacting kinase	TNIK	Swisstargetprediction
MOL002879	Diop	Tyrosine-protein kinase receptor TYRO3	TYRO3	Swisstargetprediction
MOL002879	Diop	Adenosine A1 receptor	ADORA1	Swisstargetprediction
MOL002879	Diop	ADAMTS5	ADAMTS5	Swisstargetprediction
MOL002879	Diop	Adenosine A2b receptor	ADORA2B	Swisstargetprediction
MOL002879	Diop	PI4-kinase beta subunit	PI4KB	Swisstargetprediction
MOL002879	Diop	Dual specificity protein kinase CLK1	CLK1	Swisstargetprediction

MOL002879	Diop	Dual specificity protein kinase CLK2	CLK2	Swisstargetprediction
MOL002879	Diop	Diacylglycerol O-acyltransferase 1	DGAT1	Swisstargetprediction
MOL002879	Diop	Glucocorticoid receptor	NR3C1	Swisstargetprediction
MOL002879	Diop	Cyclooxygenase-1	PTGS1	Swisstargetprediction
MOL002879	Diop	Dipeptidyl peptidase IV	DPP4	Swisstargetprediction
MOL002879	Diop	Bile acid receptor FXR	NR1H4	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Anandamide amidohydrolase	FAAH	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Carboxylesterase 2	CES2	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Prostaglandin E synthase	PTGES	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	11-beta-hydroxysteroid dehydrogenase 1	HSD11B1	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Protein-tyrosine phosphatase 1B	PTPN1	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Cyclooxygenase-2	PTGS2	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Arachidonate 5-lipoxygenase	ALOX5	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Cytochrome P450 19A1	CYP19A1	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Protein kinase C alpha	PRKCA	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	HMG-CoA reductase (by homology)	HMGCR	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Fatty acid binding protein adipocyte	FABP4	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Peroxisome proliferator-activated receptor alpha	PPARA	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Telomerase reverse transcriptase	TERT	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Fatty acid binding protein muscle	FABP3	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Fatty acid binding protein epidermal	FABP5	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Fatty acid-binding protein, liver	FABP1	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Glucocorticoid receptor	NR3C1	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Progesterone receptor	PGR	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Testis-specific androgen-binding protein	SHBG	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Aldo-keto-reductase family 1 member C3	AKR1C3	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Aldo-keto reductase family 1 member C2	AKR1C2	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Aldo-keto reductase family 1 member C1	AKR1C1	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	11-beta-hydroxysteroid dehydrogenase 2	HSD11B2	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Cannabinoid receptor 1	CNR1	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Cytochrome P450 17A1	CYP17A1	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Androgen Receptor	AR	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Prostanoid IP receptor	PTGIR	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Estradiol 17-beta-dehydrogenase 2	HSD17B2	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Peroxisome proliferator-activated receptor gamma	PPARG	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Neuropeptide Y receptor type 5	NPY5R	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Cannabinoid receptor 2	CNR2	Swisstargetprediction

MOL002883	Ethyl oleate (NF)	NACHT, LRR and PYD domains-containing protein 3	NLRP3	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Histamine H3 receptor	HRH3	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Proteinase-activated receptor 1	F2R	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Acyl-CoA desaturase	SCD	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Endothelial PAS domain-containing protein 1	EPAS1	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Phospholipase A2 group IIA	PLA2G2A	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	C5a anaphylatoxin chemotactic receptor	C5AR1	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	CDC7/DBF4 (Cell division cycle 7-related protein kinase/Activator of S phase kinase)	CDC7	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	T-cell protein-tyrosine phosphatase	PTPN2	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Glycogen synthase kinase-3 beta	GSK3B	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Protein farnesyltransferase	FNTA	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Thrombin	F2	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	LXR-alpha	NR1H3	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Taste receptor type 2 member 31	TAS2R31	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Protein-tyrosine phosphatase 1E	PTPN13	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Leukocyte common antigen	PTPRC	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Receptor-type tyrosine-protein phosphatase F (LAR)	PTPRF	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Phospholipase A2 group 1B	PLA2G1B	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Aldo-keto reductase family 1 member B10	AKR1B10	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Nicotinamide phosphoribosyltransferase	NAMPT	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Epoxide hydrolase 1	EPHX1	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	c-Jun N-terminal kinase 1	MAPK8	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	LDL-associated phospholipase A2	PLA2G7	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Histamine H4 receptor	HRH4	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	c-Jun N-terminal kinase 2	MAPK9	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Peroxisome proliferator-activated receptor delta	PPARD	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Acyl coenzyme A:cholesterol acyltransferase 1	SOAT1	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Acyl coenzyme A:cholesterol acyltransferase 2	SOAT2	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Protein-tyrosine phosphatase 1C	PTPN6	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Mineralocorticoid receptor	NR3C2	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Cathepsin (B and K)	CTSB	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3	PFKFB3	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Corticosteroid binding globulin	SERPINA6	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Hypoxia-inducible factor 1 alpha	HIF1A	Swisstargetprediction

MOL002883	Ethyl oleate (NF)	Potassium-transporting ATPase alpha chain 2	ATP12A	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Trypsin I	PRSS1	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Melanin-concentrating hormone receptor 1	MCHR1	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Poly [ADP-ribose] polymerase 2	PARP2	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Tankyrase-1	TNKS	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Gamma-secretase	PSEN2	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Thrombin and coagulation factor X	F10	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Rho-associated protein kinase 2	ROCK2	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Rho-associated protein kinase 1	ROCK1	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	LIM domain kinase 1	LIMK1	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Acetyl-CoA carboxylase 2	ACACB	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	LIM domain kinase 2	LIMK2	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Phosphodiesterase 10A (by homology)	PDE10A	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	DNA topoisomerase I	TOP1	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Protein kinase C delta	PRKCD	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Protein kinase C theta	PRKCQ	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Cytosolic phospholipase A2	PLA2G4A	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Acyl coenzyme A:cholesterol acyltransferase	CES1	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Cyclooxygenase-1	PTGS1	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Acyl-protein thioesterase 1	LYPLA1	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Acyl-protein thioesterase 2	LYPLA2	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Monoglyceride lipase	MGLL	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Serine/threonine-protein kinase RAF	RAF1	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Vascular endothelial growth factor receptor 2	KDR	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Inhibitor of NF-kappa-B kinase (IKK)	CHUK	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Cholesteryl ester transfer protein	CETP	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Thromboxane A2 receptor	TBXA2R	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Neuropeptide Y receptor type 1	NPY1R	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	CD81 antigen	CD81	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Protein kinase C eta	PRKCH	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Cathepsin L	CTSL	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	5-lipoxygenase activating protein	ALOX5AP	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Glucose-dependent insulinotropic receptor	GPR119	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Gonadotropin-releasing hormone receptor	GNRHR	Swisstargetprediction
MOL002883	Ethyl oleate (NF)	Tyrosine-protein kinase ABL	ABL1	Swisstargetprediction
MOL003137	Leucanthoside	Aldose reductase	AKR1B1	Swisstargetprediction
MOL003137	Leucanthoside	TNF-alpha	TNF	Swisstargetprediction
MOL003137	Leucanthoside	Interleukin-2	IL2	Swisstargetprediction
MOL003137	Leucanthoside	Hypoxia-inducible factor 1 alpha	HIF1A	Swisstargetprediction
MOL003137	Leucanthoside	Arachidonate 5-lipoxygenase	ALOX5	Swisstargetprediction

MOL003137	Leucanthoside	Protein kinase C gamma	PRKCG	Swisstargetprediction
MOL003137	Leucanthoside	Protein kinase C beta	PRKCB	Swisstargetprediction
MOL003137	Leucanthoside	cAMP-dependent protein kinase alpha-catalytic subunit	PRKACA	Swisstargetprediction
MOL003137	Leucanthoside	P-glycoprotein 1	ABCB1	Swisstargetprediction
MOL003137	Leucanthoside	Epidermal growth factor receptor erbB1	EGFR	Swisstargetprediction
MOL003137	Leucanthoside	Carbonic anhydrase VII	CA7	Swisstargetprediction
MOL003137	Leucanthoside	Carbonic anhydrase XII	CA12	Swisstargetprediction
MOL003137	Leucanthoside	Adenosine A1 receptor (by homology)	ADORA1	Swisstargetprediction
MOL003137	Leucanthoside	Xanthine dehydrogenase	XDH	Swisstargetprediction
MOL003137	Leucanthoside	Tumour suppressor p53/oncoprotein Mdm2	TP53	Swisstargetprediction
MOL003137	Leucanthoside	Plasminogen	PLG	Swisstargetprediction
MOL003137	Leucanthoside	Acetylcholinesterase	ACHE	Swisstargetprediction
MOL003137	Leucanthoside	Ribosomal protein S6 kinase alpha 3	RPS6KA3	Swisstargetprediction
MOL003137	Leucanthoside	Equilibrative nucleoside transporter 1	SLC29A1	Swisstargetprediction
MOL003137	Leucanthoside	Protein kinase C (PKC)	PRKCZ	Swisstargetprediction
MOL003137	Leucanthoside	Squalene monooxygenase (by homology)	SQLE	Swisstargetprediction
MOL003137	Leucanthoside	Multidrug resistance-associated protein 1	ABCC1	Swisstargetprediction
MOL003137	Leucanthoside	NADPH oxidase 4	NOX4	Swisstargetprediction
MOL003137	Leucanthoside	Serine/threonine-protein kinase AKT	AKT1	Swisstargetprediction
MOL003137	Leucanthoside	Peroxisome proliferator-activated receptor gamma	PPARG	Swisstargetprediction
MOL003137	Leucanthoside	ATP-binding cassette sub-family G member 2	ABCG2	Swisstargetprediction
MOL003137	Leucanthoside	Integrin alpha-V/beta-3	ITGAV	Swisstargetprediction
MOL003137	Leucanthoside	Coagulation factor VII	F7	Swisstargetprediction
MOL003137	Leucanthoside	Cytochrome P450 1B1	CYP1B1	Swisstargetprediction
MOL003137	Leucanthoside	Lysine-specific demethylase 5A	KDM5A	Swisstargetprediction
MOL003137	Leucanthoside	Aldehyde dehydrogenase	ALDH2	Swisstargetprediction
MOL003137	Leucanthoside	Apoptosis regulator Bcl-X	BCL2L1	Swisstargetprediction
MOL003137	Leucanthoside	Apoptosis regulator Bcl-2	BCL2	Swisstargetprediction
MOL003137	Leucanthoside	Thrombin and coagulation factor X	F10	Swisstargetprediction
MOL003137	Leucanthoside	Troponin, cardiac muscle	TNNC1	Swisstargetprediction
MOL003137	Leucanthoside	Delta opioid receptor	OPRD1	Swisstargetprediction
MOL003137	Leucanthoside	Adrenergic receptor alpha-2	ADRA2C	Swisstargetprediction
MOL003137	Leucanthoside	Carbonic anhydrase II	CA2	Swisstargetprediction
MOL003137	Leucanthoside	Carbonic anhydrase IV	CA4	Swisstargetprediction
MOL003137	Leucanthoside	Metastin receptor	KISS1R	Swisstargetprediction
MOL003137	Leucanthoside	Prostaglandin E synthase	PTGES	Swisstargetprediction
MOL003137	Leucanthoside	Cyclin-dependent kinase 5/CDK5 activator 1	CDK5R1	Swisstargetprediction
MOL003137	Leucanthoside	Monoamine oxidase A	MAOA	Swisstargetprediction
MOL003137	Leucanthoside	Tyrosine-protein kinase receptor FLT3	FLT3	Swisstargetprediction
MOL003137	Leucanthoside	Cyclin-dependent kinase 1/cyclin B	CCNB3	Swisstargetprediction
MOL003137	Leucanthoside	Glyoxalase I	GLO1	Swisstargetprediction

MOL003137	Leucanthoside	Beta amyloid A4 protein	APP	Swisstargetprediction
MOL003137	Leucanthoside	Tyrosine-protein kinase SYK	SYK	Swisstargetprediction
MOL003137	Leucanthoside	Glycogen synthase kinase-3 beta	GSK3B	Swisstargetprediction
MOL003137	Leucanthoside	Poly [ADP-ribose] polymerase-1	PARP1	Swisstargetprediction
MOL003137	Leucanthoside	Transthyretin	TTR	Swisstargetprediction
MOL003137	Leucanthoside	Matrix metalloproteinase 9	MMP9	Swisstargetprediction
MOL003137	Leucanthoside	Matrix metalloproteinase 2	MMP2	Swisstargetprediction
MOL003137	Leucanthoside	Matrix metalloproteinase 12	MMP12	Swisstargetprediction
MOL003137	Leucanthoside	Lymphocyte differentiation antigen CD38	CD38	Swisstargetprediction
MOL003137	Leucanthoside	Aldo-keto reductase family 1 member B10	AKR1B10	Swisstargetprediction
MOL003137	Leucanthoside	Tankyrase-2	TNKS2	Swisstargetprediction
MOL003137	Leucanthoside	Tankyrase-1	TNKS	Swisstargetprediction
MOL003137	Leucanthoside	DNA topoisomerase I (by homology)	TOP1	Swisstargetprediction
MOL003137	Leucanthoside	Arginase-1 (by homology)	ARG1	Swisstargetprediction
MOL003137	Leucanthoside	Phospholipase A2 group IIA	PLA2G2A	Swisstargetprediction
MOL003137	Leucanthoside	Neuromedin-U receptor 2	NMUR2	Swisstargetprediction
MOL003137	Leucanthoside	Alpha-2a adrenergic receptor	ADRA2A	Swisstargetprediction
MOL003137	Leucanthoside	Adenosine A3 receptor	ADORA3	Swisstargetprediction
MOL003137	Leucanthoside	Adenosine A2a receptor (by homology)	ADORA2A	Swisstargetprediction
MOL003137	Leucanthoside	Telomerase reverse transcriptase	TERT	Swisstargetprediction
MOL003137	Leucanthoside	Sodium/glucose cotransporter 2	SLC5A2	Swisstargetprediction
MOL003137	Leucanthoside	Receptor-type tyrosine-protein phosphatase S	PTPRS	Swisstargetprediction
MOL003137	Leucanthoside	Protein-tyrosine phosphatase 1B	PTPN1	Swisstargetprediction
MOL003137	Leucanthoside	Quinone reductase 2	NQO2	Swisstargetprediction
MOL003137	Leucanthoside	Serine/threonine-protein kinase PIM1	PIM1	Swisstargetprediction
MOL003137	Leucanthoside	Stem cell growth factor receptor	KIT	Swisstargetprediction
MOL003137	Leucanthoside	Microtubule-associated protein tau	MAPT	Swisstargetprediction
MOL003137	Leucanthoside	Lysine-specific demethylase 4D-like	KDM4E	Swisstargetprediction
MOL003137	Leucanthoside	G-protein coupled receptor 35	GPR35	Swisstargetprediction
MOL003137	Leucanthoside	Vasopressin V2 receptor	AVPR2	Swisstargetprediction
MOL003137	Leucanthoside	DNA topoisomerase II alpha	TOP2A	Swisstargetprediction
MOL003137	Leucanthoside	Insulin-like growth factor I receptor	IGF1R	Swisstargetprediction
MOL003137	Leucanthoside	Cytochrome P450 19A1	CYP19A1	Swisstargetprediction
MOL003137	Leucanthoside	Insulin receptor	INSR	Swisstargetprediction
MOL003137	Leucanthoside	Serine/threonine-protein kinase Aurora-B	AURKB	Swisstargetprediction
MOL003137	Leucanthoside	Dopamine D4 receptor	DRD4	Swisstargetprediction
MOL003137	Leucanthoside	Myosin light chain kinase, smooth muscle	MYLK	Swisstargetprediction
MOL003137	Leucanthoside	Myeloperoxidase	MPO	Swisstargetprediction
MOL003137	Leucanthoside	PI3-kinase p85-alpha subunit	PIK3R1	Swisstargetprediction

MOL003137	Leucanthoside	Death-associated protein kinase 1	DAPK1	Swisstargetprediction
MOL003137	Leucanthoside	Liver glycogen phosphorylase	PYGL	Swisstargetprediction
MOL003137	Leucanthoside	Carbonic anhydrase I	CA1	Swisstargetprediction
MOL003137	Leucanthoside	Tyrosine-protein kinase SRC	SRC	Swisstargetprediction
MOL003137	Leucanthoside	Focal adhesion kinase 1	PTK2	Swisstargetprediction
MOL003137	Leucanthoside	Estradiol 17-beta-dehydrogenase 2	HSD17B2	Swisstargetprediction
MOL003137	Leucanthoside	Vascular endothelial growth factor receptor 2	KDR	Swisstargetprediction
MOL003137	Leucanthoside	Matrix metalloproteinase 13	MMP13	Swisstargetprediction
MOL003137	Leucanthoside	Matrix metalloproteinase 3	MMP3	Swisstargetprediction
MOL003137	Leucanthoside	Carbonic anhydrase III	CA3	Swisstargetprediction
MOL003137	Leucanthoside	Arachidonate 15-lipoxygenase	ALOX15	Swisstargetprediction
MOL003137	Leucanthoside	Serine/threonine-protein kinase PLK1	PLK1	Swisstargetprediction
MOL003137	Leucanthoside	Carbonic anhydrase VI	CA6	Swisstargetprediction
MOL003137	Leucanthoside	Cyclin-dependent kinase 1	CDK1	Swisstargetprediction
MOL003137	Leucanthoside	PI3-kinase p110-gamma subunit	PIK3CG	Swisstargetprediction
MOL000358	beta-sitosterol	Niemann-Pick C1-like protein 1	NPC1L1	Swisstargetprediction
MOL000358	beta-sitosterol	LXR-alpha	NR1H3	Swisstargetprediction
MOL000358	beta-sitosterol	Nuclear receptor ROR-gamma	RORC	Swisstargetprediction
MOL000358	beta-sitosterol	Testis-specific androgen-binding protein	SHBG	Swisstargetprediction
MOL000358	beta-sitosterol	HMG-CoA reductase	HMGCR	Swisstargetprediction
MOL000358	beta-sitosterol	Cytochrome P450 17A1	CYP17A1	Swisstargetprediction
MOL000358	beta-sitosterol	Sterol regulatory element-binding protein 2	SREBF2	Swisstargetprediction
MOL000358	beta-sitosterol	Cytochrome P450 19A1	CYP19A1	Swisstargetprediction
MOL000358	beta-sitosterol	Androgen Receptor	AR	Swisstargetprediction
MOL000358	beta-sitosterol	Cytochrome P450 51 (by homology)	CYP51A1	Swisstargetprediction
MOL000358	beta-sitosterol	Nuclear receptor ROR-alpha	RORA	Swisstargetprediction
MOL000358	beta-sitosterol	Estrogen receptor alpha	ESR1	Swisstargetprediction
MOL000358	beta-sitosterol	Estrogen receptor beta	ESR2	Swisstargetprediction
MOL000358	beta-sitosterol	Protein-tyrosine phosphatase 1B	PTPN1	Swisstargetprediction
MOL000358	beta-sitosterol	Cytochrome P450 2C19	CYP2C19	Swisstargetprediction
MOL000358	beta-sitosterol	Acetylcholinesterase	ACHE	Swisstargetprediction
MOL000358	beta-sitosterol	Corticosteroid binding globulin	SERPINA6	Swisstargetprediction
MOL000358	beta-sitosterol	Glucose-6-phosphate 1-dehydrogenase	G6PD	Swisstargetprediction
MOL000358	beta-sitosterol	Norepinephrine transporter	SLC6A2	Swisstargetprediction
MOL000358	beta-sitosterol	Serotonin transporter	SLC6A4	Swisstargetprediction
MOL000358	beta-sitosterol	Butyrylcholinesterase	BCHE	Swisstargetprediction
MOL000358	beta-sitosterol	Muscarinic acetylcholine receptor M2	CHRM2	Swisstargetprediction
MOL000358	beta-sitosterol	Nuclear receptor subfamily 1 group I member 3 (by homology)	NR1I3	Swisstargetprediction
MOL000358	beta-sitosterol	LXR-beta	NR1H2	Swisstargetprediction
MOL000358	beta-sitosterol	Vitamin D receptor	VDR	Swisstargetprediction
MOL000358	beta-sitosterol	Prostanoid EP1 receptor (by homology)	PTGER1	Swisstargetprediction

MOL000358	beta-sitosterol	Prostanoid EP2 receptor (by homology)	PTGER2	Swisstargetprediction
MOL000358	beta-sitosterol	Thromboxane-A synthase	TBXAS1	Swisstargetprediction
MOL000358	beta-sitosterol	Prostaglandin E synthase	PTGES	Swisstargetprediction
MOL000358	beta-sitosterol	Anti-estrogen binding site (AEBS) (by homology)	DHCR7	Swisstargetprediction
MOL000358	beta-sitosterol	Peroxisome proliferator-activated receptor delta	PPARD	Swisstargetprediction
MOL000358	beta-sitosterol	Squalene monooxygenase	SQLE	Swisstargetprediction
MOL000358	beta-sitosterol	Glycine receptor subunit alpha-1	GLRA1	Swisstargetprediction
MOL000358	beta-sitosterol	11-beta-hydroxysteroid dehydrogenase 1	HSD11B1	Swisstargetprediction
MOL000358	beta-sitosterol	Protein-tyrosine phosphatase 1C	PTPN6	Swisstargetprediction
MOL000358	beta-sitosterol	T-cell protein-tyrosine phosphatase	PTPN2	Swisstargetprediction
MOL000358	beta-sitosterol	Squalene synthetase (by homology)	FDFT1	Swisstargetprediction
MOL000358	beta-sitosterol	Carboxylesterase 2	CES2	Swisstargetprediction
MOL000358	beta-sitosterol	Nitric oxide synthase, inducible (by homology)	NOS2	Swisstargetprediction
MOL000358	beta-sitosterol	Peroxisome proliferator-activated receptor gamma	PPARG	Swisstargetprediction
MOL000358	beta-sitosterol	UDP-glucuronosyltransferase 2B7	UGT2B7	Swisstargetprediction
MOL000358	beta-sitosterol	Glucocorticoid receptor	NR3C1	Swisstargetprediction
MOL000358	beta-sitosterol	DNA polymerase beta (by homology)	POLB	Swisstargetprediction
MOL000358	beta-sitosterol	Prolyl endopeptidase	PREP	Swisstargetprediction
MOL000358	beta-sitosterol	Sigma opioid receptor	SIGMAR1	Swisstargetprediction
MOL000358	beta-sitosterol	Prostanoid EP4 receptor (by homology)	PTGER4	Swisstargetprediction
MOL000358	beta-sitosterol	Indoleamine 2,3-dioxygenase	IDO1	Swisstargetprediction
MOL000358	beta-sitosterol	Dynamin-1	DNM1	Swisstargetprediction
MOL000358	beta-sitosterol	Potassium-transporting ATPase alpha chain 2	ATP12A	Swisstargetprediction
MOL000358	beta-sitosterol	Isoprenylcysteine carboxyl methyltransferase	ICMT	Swisstargetprediction
MOL000358	beta-sitosterol	Smoothed homolog	SMO	Swisstargetprediction
MOL000358	beta-sitosterol	Prostanoid IP receptor	PTGIR	Swisstargetprediction
MOL000358	beta-sitosterol	Anti-estrogen binding site (AEBS)	DHCR7	Swisstargetprediction
MOL000358	beta-sitosterol	Fatty acid binding protein adipocyte	FABP4	Swisstargetprediction
MOL000358	beta-sitosterol	Telomerase reverse transcriptase	TERT	Swisstargetprediction
MOL000358	beta-sitosterol	Fatty acid binding protein muscle	FABP3	Swisstargetprediction
MOL000358	beta-sitosterol	Fatty acid binding protein epidermal	FABP5	Swisstargetprediction
MOL000358	beta-sitosterol	Fatty acid-binding protein, liver	FABP1	Swisstargetprediction
MOL000358	beta-sitosterol	p53-binding protein Mdm-2	MDM2	Swisstargetprediction
MOL000358	beta-sitosterol	Dopamine transporter	SLC6A3	Swisstargetprediction
MOL000358	beta-sitosterol	Adenosine A3 receptor	ADORA3	Swisstargetprediction
MOL000358	beta-sitosterol	MAP kinase ERK1	MAPK3	Swisstargetprediction

MOL000358	beta-sitosterol	Protein kinase C eta	PRKCH	Swisstargetprediction
MOL000358	beta-sitosterol	Protein-tyrosine phosphatase 2C	PTPN11	Swisstargetprediction
MOL000358	beta-sitosterol	Aldo-keto reductase family 1 member B10	AKR1B10	Swisstargetprediction
MOL000358	beta-sitosterol	Sphingosine 1-phosphate receptor Edg-3	S1PR3	Swisstargetprediction
MOL000358	beta-sitosterol	Sphingosine 1-phosphate receptor Edg-1	S1PR1	Swisstargetprediction
MOL000358	beta-sitosterol	C-X-C chemokine receptor type 3	CXCR3	Swisstargetprediction
MOL000358	beta-sitosterol	Receptor-type tyrosine-protein phosphatase F (LAR)	PTPRF	Swisstargetprediction
MOL000358	beta-sitosterol	Phospholipase A2 group 1B	PLA2G1B	Swisstargetprediction
MOL000358	beta-sitosterol	Low molecular weight phosphotyrosine protein phosphatase	ACP1	Swisstargetprediction
MOL000358	beta-sitosterol	Liver glycogen phosphorylase	PYGL	Swisstargetprediction
MOL000358	beta-sitosterol	Phosphodiesterase 4A	PDE4A	Swisstargetprediction
MOL000358	beta-sitosterol	Phosphodiesterase 4B	PDE4B	Swisstargetprediction
MOL000358	beta-sitosterol	Phosphodiesterase 4C	PDE4C	Swisstargetprediction
MOL000358	beta-sitosterol	Sonic hedgehog protein (by homology)	SHH	Swisstargetprediction
MOL000358	beta-sitosterol	Methionine aminopeptidase 1	METAP1	Swisstargetprediction
MOL000358	beta-sitosterol	11-beta-hydroxysteroid dehydrogenase 2	HSD11B2	Swisstargetprediction
MOL000358	beta-sitosterol	Orexin receptor 2	HCRT2	Swisstargetprediction
MOL000358	beta-sitosterol	Orexin receptor 1	HCRT1	Swisstargetprediction
MOL000358	beta-sitosterol	Vitamin D-binding protein	GC	Swisstargetprediction
MOL000358	beta-sitosterol	Peroxisome proliferator-activated receptor alpha	PPARA	Swisstargetprediction
MOL000358	beta-sitosterol	DNA topoisomerase II alpha	TOP2A	Swisstargetprediction
MOL000358	beta-sitosterol	Intercellular adhesion molecule (ICAM-1), Integrin alpha-L/beta-2	ITGAL	Swisstargetprediction
MOL000358	beta-sitosterol	Thrombin	F2	Swisstargetprediction
MOL000358	beta-sitosterol	Thrombin and coagulation factor X	F10	Swisstargetprediction
MOL000358	beta-sitosterol	TNF-alpha	TNF	Swisstargetprediction
MOL000358	beta-sitosterol	Prostanoid FP receptor	PTGFR	Swisstargetprediction
MOL000358	beta-sitosterol	Prostanoid EP3 receptor	PTGER3	Swisstargetprediction
MOL000358	beta-sitosterol	Prostanoid DP receptor	PTGDR	Swisstargetprediction
MOL000358	beta-sitosterol	DNA topoisomerase I	TOP1	Swisstargetprediction
MOL000358	beta-sitosterol	Mineralocorticoid receptor	NR3C2	Swisstargetprediction
MOL000358	beta-sitosterol	Hypoxia-inducible factor 1 alpha	HIF1A	Swisstargetprediction
MOL000358	beta-sitosterol	c-Jun N-terminal kinase 1	MAPK8	Swisstargetprediction
MOL000358	beta-sitosterol	Microtubule-associated serine/threonine-protein kinase 3	MAST3	Swisstargetprediction
MOL000358	beta-sitosterol	Dopamine D2 receptor	DRD2	Swisstargetprediction
MOL000358	beta-sitosterol	Steroid 5-alpha-reductase 2	SRD5A2	Swisstargetprediction
MOL000358	beta-sitosterol	C-C chemokine receptor type 1	CCR1	Swisstargetprediction
MOL000358	beta-sitosterol	Monoglyceride lipase	MGLL	Swisstargetprediction
MOL000358	beta-sitosterol	Diacylglycerol O-acyltransferase 1	DGAT1	Swisstargetprediction

MOL000359	sitosterol	Niemann-Pick C1-like protein 1	NPC1L1	Swisstargetprediction
MOL000359	sitosterol	LXR-alpha	NR1H3	Swisstargetprediction
MOL000359	sitosterol	Nuclear receptor ROR-gamma	RORC	Swisstargetprediction
MOL000359	sitosterol	HMG-CoA reductase	HMGCR	Swisstargetprediction
MOL000359	sitosterol	Cytochrome P450 51 (by homology)	CYP51A1	Swisstargetprediction
MOL000359	sitosterol	Cytochrome P450 17A1	CYP17A1	Swisstargetprediction
MOL000359	sitosterol	Androgen Receptor	AR	Swisstargetprediction
MOL000359	sitosterol	Testis-specific androgen-binding protein	SHBG	Swisstargetprediction
MOL000359	sitosterol	Sterol regulatory element-binding protein 2	SREBF2	Swisstargetprediction
MOL000359	sitosterol	Nuclear receptor ROR-alpha	RORA	Swisstargetprediction
MOL000359	sitosterol	Estrogen receptor alpha	ESR1	Swisstargetprediction
MOL000359	sitosterol	Estrogen receptor beta	ESR2	Swisstargetprediction
MOL000359	sitosterol	Cytochrome P450 19A1	CYP19A1	Swisstargetprediction
MOL000359	sitosterol	Butyrylcholinesterase	BCHE	Swisstargetprediction
MOL000359	sitosterol	Norepinephrine transporter	SLC6A2	Swisstargetprediction
MOL000359	sitosterol	Cytochrome P450 2C19	CYP2C19	Swisstargetprediction
MOL000359	sitosterol	Protein-tyrosine phosphatase 1B	PTPN1	Swisstargetprediction
MOL000359	sitosterol	Corticosteroid binding globulin	SERPINA6	Swisstargetprediction
MOL000359	sitosterol	Acetylcholinesterase	ACHE	Swisstargetprediction
MOL000359	sitosterol	Serotonin transporter	SLC6A4	Swisstargetprediction
MOL000359	sitosterol	Muscarinic acetylcholine receptor M2	CHRM2	Swisstargetprediction
MOL000359	sitosterol	Nuclear receptor subfamily 1 group I member 3 (by homology)	NR1I3	Swisstargetprediction
MOL000359	sitosterol	LXR-beta	NR1H2	Swisstargetprediction
MOL000359	sitosterol	Glucose-6-phosphate 1-dehydrogenase	G6PD	Swisstargetprediction
MOL000359	sitosterol	Vitamin D receptor	VDR	Swisstargetprediction
MOL000359	sitosterol	Anti-estrogen binding site (AEBS) (by homology)	DHCR7	Swisstargetprediction
MOL000359	sitosterol	Carboxylesterase 2	CES2	Swisstargetprediction
MOL000359	sitosterol	11-beta-hydroxysteroid dehydrogenase 1	HSD11B1	Swisstargetprediction
MOL000359	sitosterol	Prostanoid EP1 receptor (by homology)	PTGER1	Swisstargetprediction
MOL000359	sitosterol	Prostanoid EP2 receptor (by homology)	PTGER2	Swisstargetprediction
MOL000359	sitosterol	Prostaglandin E synthase	PTGES	Swisstargetprediction
MOL000359	sitosterol	Peroxisome proliferator-activated receptor alpha	PPARA	Swisstargetprediction
MOL000359	sitosterol	Peroxisome proliferator-activated receptor delta	PPARD	Swisstargetprediction
MOL000359	sitosterol	Glycine receptor subunit alpha-1	GLRA1	Swisstargetprediction
MOL000359	sitosterol	Squalene monooxygenase	SQLE	Swisstargetprediction
MOL000359	sitosterol	Protein-tyrosine phosphatase 1C	PTPN6	Swisstargetprediction
MOL000359	sitosterol	T-cell protein-tyrosine phosphatase	PTPN2	Swisstargetprediction

MOL000359	sitosterol	Nitric oxide synthase, inducible (by homology)	NOS2	Swisstargetprediction
MOL000359	sitosterol	Squalene synthetase (by homology)	FDFT1	Swisstargetprediction
MOL000359	sitosterol	11-beta-hydroxysteroid dehydrogenase 2	HSD11B2	Swisstargetprediction
MOL000359	sitosterol	Peroxisome proliferator-activated receptor gamma	PPARG	Swisstargetprediction
MOL000359	sitosterol	UDP-glucuronosyltransferase 2B7	UGT2B7	Swisstargetprediction
MOL000359	sitosterol	DNA polymerase beta (by homology)	POLB	Swisstargetprediction
MOL000359	sitosterol	Glucocorticoid receptor	NR3C1	Swisstargetprediction
MOL000359	sitosterol	Prolyl endopeptidase	PREP	Swisstargetprediction
MOL000359	sitosterol	Prostanoid EP4 receptor (by homology)	PTGER4	Swisstargetprediction
MOL000359	sitosterol	Indoleamine 2,3-dioxygenase	IDO1	Swisstargetprediction
MOL000359	sitosterol	Beta-secretase 1	BACE1	Swisstargetprediction
MOL000359	sitosterol	Potassium-transporting ATPase alpha chain 2	ATP12A	Swisstargetprediction
MOL000359	sitosterol	Prostanoid IP receptor	PTGIR	Swisstargetprediction
MOL000359	sitosterol	Thromboxane-A synthase	TBXAS1	Swisstargetprediction
MOL000359	sitosterol	Anti-estrogen binding site (AEBS)	DHCR7	Swisstargetprediction
MOL000359	sitosterol	Isoprenylcysteine carboxyl methyltransferase	ICMT	Swisstargetprediction
MOL000359	sitosterol	Sigma opioid receptor	SIGMAR1	Swisstargetprediction
MOL000359	sitosterol	Fatty acid binding protein adipocyte	FABP4	Swisstargetprediction
MOL000359	sitosterol	Telomerase reverse transcriptase	TERT	Swisstargetprediction
MOL000359	sitosterol	Fatty acid binding protein muscle	FABP3	Swisstargetprediction
MOL000359	sitosterol	Fatty acid binding protein epidermal	FABP5	Swisstargetprediction
MOL000359	sitosterol	Fatty acid-binding protein, liver	FABP1	Swisstargetprediction
MOL000359	sitosterol	Dual specificity phosphatase Cdc25A	CDC25A	Swisstargetprediction
MOL000359	sitosterol	Phosphodiesterase 4A	PDE4A	Swisstargetprediction
MOL000359	sitosterol	Phosphodiesterase 4B	PDE4B	Swisstargetprediction
MOL000359	sitosterol	Phosphodiesterase 4C	PDE4C	Swisstargetprediction
MOL000359	sitosterol	Dopamine D2 receptor	DRD2	Swisstargetprediction
MOL000359	sitosterol	Adenosine A3 receptor	ADORA3	Swisstargetprediction
MOL000359	sitosterol	MAP kinase ERK1	MAPK3	Swisstargetprediction
MOL000359	sitosterol	Protein kinase C eta	PRKCH	Swisstargetprediction
MOL000359	sitosterol	Protein-tyrosine phosphatase 2C	PTPN11	Swisstargetprediction
MOL000359	sitosterol	Aldo-keto reductase family 1 member B10	AKR1B10	Swisstargetprediction
MOL000359	sitosterol	Cyclooxygenase-2	PTGS2	Swisstargetprediction
MOL000359	sitosterol	Beta secretase 2	BACE2	Swisstargetprediction
MOL000359	sitosterol	Monoglyceride lipase	MGLL	Swisstargetprediction
MOL000359	sitosterol	C-X-C chemokine receptor type 3	CXCR3	Swisstargetprediction
MOL000359	sitosterol	Receptor-type tyrosine-protein phosphatase F (LAR)	PTPRF	Swisstargetprediction

MOL000359	sitosterol	Phospholipase A2 group 1B	PLA2G1B	Swisstargetprediction
MOL000359	sitosterol	Low molecular weight phosphotyrosine protein phosphatase	ACP1	Swisstargetprediction
MOL000359	sitosterol	Sphingosine 1-phosphate receptor Edg-3	S1PR3	Swisstargetprediction
MOL000359	sitosterol	Sphingosine 1-phosphate receptor Edg-1	S1PR1	Swisstargetprediction
MOL000359	sitosterol	Protein Mdm4	MDM4	Swisstargetprediction
MOL000359	sitosterol	p53-binding protein Mdm-2	MDM2	Swisstargetprediction
MOL000359	sitosterol	ALK tyrosine kinase receptor	ALK	Swisstargetprediction
MOL000359	sitosterol	DNA topoisomerase II alpha	TOP2A	Swisstargetprediction
MOL000359	sitosterol	Coagulation factor XI	F11	Swisstargetprediction
MOL000359	sitosterol	Mitogen-activated protein kinase kinase kinase 14	MAP3K14	Swisstargetprediction
MOL000359	sitosterol	Methionine aminopeptidase 1	METAP1	Swisstargetprediction
MOL000359	sitosterol	Insulin-like growth factor I receptor	IGF1R	Swisstargetprediction
MOL000359	sitosterol	Tyrosine-protein kinase SRC	SRC	Swisstargetprediction
MOL000359	sitosterol	Vascular endothelial growth factor receptor 2	KDR	Swisstargetprediction
MOL000359	sitosterol	Prostanoid FP receptor	PTGFR	Swisstargetprediction
MOL000359	sitosterol	Prostanoid EP3 receptor	PTGER3	Swisstargetprediction
MOL000359	sitosterol	Prostanoid DP receptor	PTGDR	Swisstargetprediction
MOL000359	sitosterol	MAP kinase p38 alpha	MAPK14	Swisstargetprediction
MOL000359	sitosterol	5-lipoxygenase activating protein	ALOX5AP	Swisstargetprediction
MOL000359	sitosterol	DNA topoisomerase I	TOP1	Swisstargetprediction
MOL000359	sitosterol	Mineralocorticoid receptor	NR3C2	Swisstargetprediction
MOL000359	sitosterol	Hypoxia-inducible factor 1 alpha	HIF1A	Swisstargetprediction
MOL000359	sitosterol	Liver glycogen phosphorylase	PYGL	Swisstargetprediction
MOL000359	sitosterol	Phosphodiesterase 4D	PDE4D	Swisstargetprediction
MOL000359	sitosterol	Neuropeptide Y receptor type 5 (by homology)	NPY5R	Swisstargetprediction
MOL000359	sitosterol	Metabotropic glutamate receptor 2	GRM2	Swisstargetprediction
MOL000449	Stigmasterol	Niemann-Pick C1-like protein 1	NPC1L1	Swisstargetprediction
MOL000449	Stigmasterol	LXR-alpha	NR1H3	Swisstargetprediction
MOL000449	Stigmasterol	Nuclear receptor ROR-gamma	RORC	Swisstargetprediction
MOL000449	Stigmasterol	Estrogen receptor alpha	ESR1	Swisstargetprediction
MOL000449	Stigmasterol	Estrogen receptor beta	ESR2	Swisstargetprediction
MOL000449	Stigmasterol	Testis-specific androgen-binding protein	SHBG	Swisstargetprediction
MOL000449	Stigmasterol	Sterol regulatory element-binding protein 2	SREBF2	Swisstargetprediction
MOL000449	Stigmasterol	HMG-CoA reductase	HMGCR	Swisstargetprediction
MOL000449	Stigmasterol	Cytochrome P450 19A1	CYP19A1	Swisstargetprediction
MOL000449	Stigmasterol	Androgen Receptor	AR	Swisstargetprediction
MOL000449	Stigmasterol	Cytochrome P450 17A1	CYP17A1	Swisstargetprediction
MOL000449	Stigmasterol	Cytochrome P450 51 (by homology)	CYP51A1	Swisstargetprediction
MOL000449	Stigmasterol	Nuclear receptor ROR-alpha	RORA	Swisstargetprediction
MOL000449	Stigmasterol	Cytochrome P450 2C19	CYP2C19	Swisstargetprediction
MOL000449	Stigmasterol	Protein-tyrosine phosphatase 1B	PTPN1	Swisstargetprediction

MOL000449	Stigmasterol	Corticosteroid binding globulin	SERPINA6	Swisstargetprediction
MOL000449	Stigmasterol	Glucose-6-phosphate 1-dehydrogenase	G6PD	Swisstargetprediction
MOL000449	Stigmasterol	Acetylcholinesterase	ACHE	Swisstargetprediction
MOL000449	Stigmasterol	Serotonin transporter	SLC6A4	Swisstargetprediction
MOL000449	Stigmasterol	Nuclear receptor subfamily 1 group I member 3 (by homology)	NR1I3	Swisstargetprediction
MOL000449	Stigmasterol	Muscarinic acetylcholine receptor M2	CHRM2	Swisstargetprediction
MOL000449	Stigmasterol	Norepinephrine transporter	SLC6A2	Swisstargetprediction
MOL000449	Stigmasterol	Butyrylcholinesterase	BCHE	Swisstargetprediction
MOL000449	Stigmasterol	LXR-beta	NR1H2	Swisstargetprediction
MOL000449	Stigmasterol	Prostanoid EP1 receptor (by homology)	PTGER1	Swisstargetprediction
MOL000449	Stigmasterol	Prostanoid EP2 receptor (by homology)	PTGER2	Swisstargetprediction
MOL000449	Stigmasterol	Thromboxane-A synthase	TBXAS1	Swisstargetprediction
MOL000449	Stigmasterol	Prostaglandin E synthase	PTGES	Swisstargetprediction
MOL000449	Stigmasterol	Peroxisome proliferator-activated receptor alpha	PPARA	Swisstargetprediction
MOL000449	Stigmasterol	Peroxisome proliferator-activated receptor delta	PPARD	Swisstargetprediction
MOL000449	Stigmasterol	Squalene monooxygenase	SQLE	Swisstargetprediction
MOL000449	Stigmasterol	Vitamin D receptor	VDR	Swisstargetprediction
MOL000449	Stigmasterol	Anti-estrogen binding site (AEBS) (by homology)	DHCR7	Swisstargetprediction
MOL000449	Stigmasterol	Protein-tyrosine phosphatase 1C	PTPN6	Swisstargetprediction
MOL000449	Stigmasterol	T-cell protein-tyrosine phosphatase	PTPN2	Swisstargetprediction
MOL000449	Stigmasterol	Squalene synthetase (by homology)	FDFT1	Swisstargetprediction
MOL000449	Stigmasterol	11-beta-hydroxysteroid dehydrogenase 1	HSD11B1	Swisstargetprediction
MOL000449	Stigmasterol	Nitric oxide synthase, inducible (by homology)	NOS2	Swisstargetprediction
MOL000449	Stigmasterol	Peroxisome proliferator-activated receptor gamma	PPARG	Swisstargetprediction
MOL000449	Stigmasterol	UDP-glucuronosyltransferase 2B7	UGT2B7	Swisstargetprediction
MOL000449	Stigmasterol	Glycine receptor subunit alpha-1	GLRA1	Swisstargetprediction
MOL000449	Stigmasterol	DNA polymerase beta (by homology)	POLB	Swisstargetprediction
MOL000449	Stigmasterol	Prolyl endopeptidase	PREP	Swisstargetprediction
MOL000449	Stigmasterol	Prostanoid EP4 receptor (by homology)	PTGER4	Swisstargetprediction
MOL000449	Stigmasterol	Indoleamine 2,3-dioxygenase	IDO1	Swisstargetprediction
MOL000449	Stigmasterol	Sigma opioid receptor	SIGMAR1	Swisstargetprediction
MOL000449	Stigmasterol	Carboxylesterase 2	CES2	Swisstargetprediction
MOL000449	Stigmasterol	Potassium-transporting ATPase alpha chain 2	ATP12A	Swisstargetprediction
MOL000449	Stigmasterol	Prostanoid IP receptor	PTGIR	Swisstargetprediction
MOL000449	Stigmasterol	Phosphodiesterase 4A	PDE4A	Swisstargetprediction
MOL000449	Stigmasterol	Phosphodiesterase 4B	PDE4B	Swisstargetprediction

MOL000449	Stigmasterol	Phosphodiesterase 4C	PDE4C	Swisstargetprediction
MOL000449	Stigmasterol	Anti-estrogen binding site (AEBS)	DHCR7	Swisstargetprediction
MOL000449	Stigmasterol	Fatty acid binding protein adipocyte	FABP4	Swisstargetprediction
MOL000449	Stigmasterol	Telomerase reverse transcriptase	TERT	Swisstargetprediction
MOL000449	Stigmasterol	Fatty acid binding protein muscle	FABP3	Swisstargetprediction
MOL000449	Stigmasterol	Fatty acid binding protein epidermal	FABP5	Swisstargetprediction
MOL000449	Stigmasterol	Fatty acid-binding protein, liver	FABP1	Swisstargetprediction
MOL000449	Stigmasterol	Progesterone receptor	PGR	Swisstargetprediction
MOL000449	Stigmasterol	Dopamine transporter	SLC6A3	Swisstargetprediction
MOL000449	Stigmasterol	Adenosine A3 receptor	ADORA3	Swisstargetprediction
MOL000449	Stigmasterol	MAP kinase ERK1	MAPK3	Swisstargetprediction
MOL000449	Stigmasterol	Protein kinase C eta	PRKCH	Swisstargetprediction
MOL000449	Stigmasterol	Protein-tyrosine phosphatase 2C	PTPN11	Swisstargetprediction
MOL000449	Stigmasterol	Aldo-keto reductase family 1 member B10	AKR1B10	Swisstargetprediction
MOL000449	Stigmasterol	Isoprenylcysteine carboxyl methyltransferase	ICMT	Swisstargetprediction
MOL000449	Stigmasterol	p53-binding protein Mdm-2	MDM2	Swisstargetprediction
MOL000449	Stigmasterol	C-X-C chemokine receptor type 3	CXCR3	Swisstargetprediction
MOL000449	Stigmasterol	Sphingosine 1-phosphate receptor Edg-3	S1PR3	Swisstargetprediction
MOL000449	Stigmasterol	Sphingosine 1-phosphate receptor Edg-1	S1PR1	Swisstargetprediction
MOL000449	Stigmasterol	Smoothened homolog	SMO	Swisstargetprediction
MOL000449	Stigmasterol	Orexin receptor 2	HCRTR2	Swisstargetprediction
MOL000449	Stigmasterol	Orexin receptor 1	HCRTR1	Swisstargetprediction
MOL000449	Stigmasterol	Receptor-type tyrosine-protein phosphatase F (LAR)	PTPRF	Swisstargetprediction
MOL000449	Stigmasterol	Phospholipase A2 group 1B	PLA2G1B	Swisstargetprediction
MOL000449	Stigmasterol	Low molecular weight phosphotyrosine protein phosphatase	ACP1	Swisstargetprediction
MOL000449	Stigmasterol	Glucocorticoid receptor	NR3C1	Swisstargetprediction
MOL000449	Stigmasterol	C-C chemokine receptor type 1	CCR1	Swisstargetprediction
MOL000449	Stigmasterol	Methionine aminopeptidase 1	METAP1	Swisstargetprediction
MOL000449	Stigmasterol	Vitamin D-binding protein	GC	Swisstargetprediction
MOL000449	Stigmasterol	DNA topoisomerase II alpha	TOP2A	Swisstargetprediction
MOL000449	Stigmasterol	Protein Mdm4	MDM4	Swisstargetprediction
MOL000449	Stigmasterol	Serine/threonine-protein kinase PIM1	PIM1	Swisstargetprediction
MOL000449	Stigmasterol	Serine/threonine-protein kinase PIM3	PIM3	Swisstargetprediction
MOL000449	Stigmasterol	Sonic hedgehog protein (by homology)	SHH	Swisstargetprediction
MOL000449	Stigmasterol	Prostanoid FP receptor	PTGFR	Swisstargetprediction
MOL000449	Stigmasterol	Prostanoid EP3 receptor	PTGER3	Swisstargetprediction
MOL000449	Stigmasterol	Prostanoid DP receptor	PTGDR	Swisstargetprediction
MOL000449	Stigmasterol	Phosphodiesterase 4D	PDE4D	Swisstargetprediction

MOL000449	Stigmasterol	DNA topoisomerase I	TOP1	Swisstargetprediction
MOL000449	Stigmasterol	Mineralocorticoid receptor	NR3C2	Swisstargetprediction
MOL000449	Stigmasterol	Hypoxia-inducible factor 1 alpha	HIF1A	Swisstargetprediction
MOL000449	Stigmasterol	Cyclin-dependent kinase 6	CDK6	Swisstargetprediction
MOL000449	Stigmasterol	Cyclin-dependent kinase 4	CDK4	Swisstargetprediction
MOL000449	Stigmasterol	Steroid 5-alpha-reductase 2	SRD5A2	Swisstargetprediction
MOL000449	Stigmasterol	Thrombin	F2	Swisstargetprediction
MOL000449	Stigmasterol	Intercellular adhesion molecule (ICAM-1), Integrin alpha-L/beta-2	ITGAL	Swisstargetprediction
MOL000449	Stigmasterol	Thrombin and coagulation factor X	F10	Swisstargetprediction
MOL000449	Stigmasterol	Gonadotropin-releasing hormone receptor	GNRHR	Swisstargetprediction
MOL000449	Stigmasterol	Diacylglycerol O- acyltransferase 1	DGAT1	Swisstargetprediction
MOL005481	2,6,10,14,18- pentamethylicosa- 2,6,10,14,18- pentaene	Peroxisome proliferator- activated receptor alpha	PPARA	Swisstargetprediction
MOL005481	2,6,10,14,18- pentamethylicosa- 2,6,10,14,18- pentaene	Cannabinoid receptor 2	CNR2	Swisstargetprediction
MOL005481	2,6,10,14,18- pentamethylicosa- 2,6,10,14,18- pentaene	Squalene monooxygenase	SQLE	Swisstargetprediction
MOL005481	2,6,10,14,18- pentamethylicosa- 2,6,10,14,18- pentaene	Protein-arginine N- methyltransferase 1	PRMT1	Swisstargetprediction
MOL005481	2,6,10,14,18- pentamethylicosa- 2,6,10,14,18- pentaene	Zinc finger protein GLI2	GLI2	Swisstargetprediction
MOL005481	2,6,10,14,18- pentamethylicosa- 2,6,10,14,18- pentaene	Zinc finger protein GLI1	GLI1	Swisstargetprediction
MOL005481	2,6,10,14,18- pentamethylicosa- 2,6,10,14,18- pentaene	Dynamin-1	DNM1	Swisstargetprediction
MOL005481	2,6,10,14,18- pentamethylicosa- 2,6,10,14,18- pentaene	Beta amyloid A4 protein	APP	Swisstargetprediction
MOL005481	2,6,10,14,18- pentamethylicosa- 2,6,10,14,18- pentaene	Cholesteryl ester transfer protein	CETP	Swisstargetprediction
MOL005481	2,6,10,14,18- pentamethylicosa- 2,6,10,14,18- pentaene	Vanilloid receptor	TRPV1	Swisstargetprediction

MOL005481	2,6,10,14,18-pentamethylicosa-2,6,10,14,18-pentaene	Sphingosine kinase 2 (by homology)	SPHK2	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylicosa-2,6,10,14,18-pentaene	Neuropeptide Y receptor type 5	NPY5R	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylicosa-2,6,10,14,18-pentaene	Nuclear receptor ROR-beta	RORB	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylicosa-2,6,10,14,18-pentaene	LXR-beta	NR1H2	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylicosa-2,6,10,14,18-pentaene	Nuclear receptor ROR-alpha	RORA	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylicosa-2,6,10,14,18-pentaene	Glucocorticoid receptor	NR3C1	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylicosa-2,6,10,14,18-pentaene	Lysosomal Pro-X carboxypeptidase	PRCP	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylicosa-2,6,10,14,18-pentaene	Acetyl-CoA carboxylase 2	ACACB	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylicosa-2,6,10,14,18-pentaene	Squalene synthetase (by homology)	FDFT1	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylicosa-2,6,10,14,18-pentaene	Orexin receptor 2	HCRT2	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylicosa-2,6,10,14,18-pentaene	Dopamine D2 receptor (by homology)	DRD2	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylicosa-2,6,10,14,18-pentaene	11-beta-hydroxysteroid dehydrogenase 1	HSD11B1	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylicosa-2,6,10,14,18-pentaene	Nuclear receptor subfamily 1 group I member 3 (by homology)	NR1I3	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylicosa-2,6,10,14,18-pentaene	Urokinase-type plasminogen activator	PLAU	Swisstargetprediction

MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Cytochrome P450 24A1	CYP24A1	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Androgen Receptor (by homology)	AR	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Cytochrome P450 19A1	CYP19A1	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Estrogen receptor alpha	ESR1	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Muscarinic acetylcholine receptor M2	CHRM2	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Norepinephrine transporter	SLC6A2	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Cytochrome P450 2C19	CYP2C19	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	DNA topoisomerase I	TOP1	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Protein farnesyltransferase	FNTA	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Estrogen receptor beta	ESR2	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Protein-tyrosine phosphatase 1B	PTPN1	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	T-cell protein-tyrosine phosphatase	PTPN2	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	LXR-alpha	NR1H3	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Anandamide amidohydrolase	FAAH	Swisstargetprediction

MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Adenosine A1 receptor	ADORA1	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Adenosine A2a receptor	ADORA2A	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Adenosine A3 receptor	ADORA3	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Cyclooxygenase-1	PTGS1	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Serine/threonine-protein kinase PLK1	PLK1	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Arachidonate 5-lipoxygenase	ALOX5	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Sterol regulatory element-binding protein 2	SREBF2	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Niemann-Pick C1-like protein 1	NPC1L1	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Fatty acid binding protein adipocyte	FABP4	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Peroxisome proliferator-activated receptor gamma	PPARG	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Cathepsin D	CTSD	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Telomerase reverse transcriptase	TERT	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Testis-specific androgen-binding protein	SHBG	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Fatty acid binding protein muscle	FABP3	Swisstargetprediction

MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Cytochrome P450 17A1	CYP17A1	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Fatty acid binding protein epidermal	FABP5	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Peroxisome proliferator-activated receptor delta	PPARD	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	HMG-CoA reductase	HMGCR	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Fatty acid-binding protein, liver	FABP1	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Cannabinoid receptor 1 (by homology)	CNR1	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Cytochrome P450 51 (by homology)	CYP51A1	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Serotonin transporter	SLC6A4	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Acetylcholinesterase	ACHE	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Butyrylcholinesterase	BCHE	Swisstargetprediction
MOL005481	2,6,10,14,18-pentamethylcosa-2,6,10,14,18-pentaene	Nuclear receptor ROR-gamma	RORC	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Muscarinic acetylcholine receptor M2	CHRM2	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Tyrosine-protein kinase SRC	SRC	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Retinoic acid receptor alpha (by homology)	RARA	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Acyl coenzyme A:cholesterol acyltransferase 1	SOAT1	Swisstargetprediction

MOL005486	3,4-Dehydrolycopen-16-al	Phosphodiesterase 5A	PDE5A	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Nuclear receptor ROR-gamma	RORC	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Serotonin 2b (5-HT2b) receptor	HTR2B	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Retinoid X receptor beta	RXRB	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Alpha-2b adrenergic receptor	ADRA2B	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Retinoic acid receptor gamma	RARG	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Retinoid X receptor gamma	RXRG	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Retinoic acid receptor beta	RARB	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Retinoid X receptor alpha	RXRA	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Adenosine A3 receptor	ADORA3	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	MAP kinase p38 alpha	MAPK14	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Nuclear receptor ROR-beta	RORB	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	MAP kinase ERK2	MAPK1	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Nuclear receptor ROR-alpha	RORA	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Phospholipase A2 group IIA	PLA2G2A	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Histamine H2 receptor	HRH2	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Histamine H1 receptor	HRH1	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Glutaminase kidney isoform, mitochondrial	GLS	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Bradykinin B2 receptor	BDKRB2	Swisstargetprediction

MOL005486	3,4-Dehydrolycopen-16-al	Acyl coenzyme A:cholesterol acyltransferase	CES1	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Mannose-6-phosphate isomerase	MPI	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Carboxylesterase 2	CES2	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Cyclooxygenase-2	PTGS2	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Butyrylcholinesterase	BCHE	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Beta-secretase 1	BACE1	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Cytochrome P450 19A1	CYP19A1	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Tyrosine-protein kinase FYN	FYN	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Anandamide amidohydrolase	FAAH	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Phospholipase D1	PLD1	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Histone deacetylase 3	HDAC3	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Histone deacetylase 1	HDAC1	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Melanin-concentrating hormone receptor 1	MCHR1	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Cytosolic phospholipase A2	PLA2G4A	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Purinergic receptor P2Y12	P2RY12	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Vanilloid receptor	TRPV1	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Neuropeptide Y receptor type 5	NPY5R	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Lanosterol synthase	LSS	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Dual specificity phosphatase Cdc25B	CDC25B	Swisstargetprediction

MOL005486	3,4-Dehydrolycopen-16-al	Platelet-derived growth factor receptor beta	PDGFRB	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	ATP-binding cassette sub-family G member 2	ABCG2	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Receptor protein-tyrosine kinase erbB-2	ERBB2	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Vascular endothelial growth factor receptor 3	FLT4	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Epidermal growth factor receptor erbB1	EGFR	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Serine/threonine-protein kinase Aurora-B	AURKB	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Vascular endothelial growth factor receptor 2	KDR	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Tyrosine-protein kinase TIE-2	TEK	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Serine/threonine-protein kinase Aurora-A	AURKA	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Androgen Receptor (by homology)	AR	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Progesterone receptor	PGR	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Melatonin receptor 1A	MTNR1A	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Melatonin receptor 1B	MTNR1B	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Prostaglandin E synthase	PTGES	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Leukocyte elastase	ELANE	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Aldehyde dehydrogenase	ALDH2	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Acetylcholinesterase	ACHE	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Protein-tyrosine phosphatase 1B	PTPN1	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Arachidonate 15-lipoxygenase	ALOX15	Swisstargetprediction

MOL005486	3,4-Dehydrolycopen-16-al	Arachidonate 12-lipoxygenase	ALOX12	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Adenosine A1 receptor	ADORA1	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Adenosine A2a receptor	ADORA2A	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Zinc finger protein GLI2	GLI2	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Zinc finger protein GLI1	GLI1	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Leukotriene B4 receptor 1	LTB4R	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Peroxisome proliferator-activated receptor gamma	PPARG	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Transient receptor potential cation channel subfamily A member 1	TRPA1	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Macrophage scavenger receptor types I and II	MSR1	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Peroxisome proliferator-activated receptor alpha	PPARA	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Plasma retinol-binding protein	RBP4	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Mineralocorticoid receptor	NR3C2	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Testis-specific androgen-binding protein	SHBG	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Mu opioid receptor (by homology)	OPRM1	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Delta opioid receptor (by homology)	OPRD1	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Hydroxyacid oxidase 1	HAO1	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Arachidonate 5-lipoxygenase	ALOX5	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Peroxisome proliferator-activated receptor delta	PPARD	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Vitamin D receptor	VDR	Swisstargetprediction

MOL005486	3,4-Dehydrolycopen-16-al	Dual specificity phosphatase Cdc25A	CDC25A	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Glycine receptor subunit alpha-1	GLRA1	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Steroid 5-alpha-reductase 2	SRD5A2	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Cannabinoid receptor 1	CNR1	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Cannabinoid receptor 2	CNR2	Swisstargetprediction
MOL005486	3,4-Dehydrolycopen-16-al	Glucocorticoid receptor	NR3C1	Swisstargetprediction
MOL005503	Cornudentanone	Arachidonate 5-lipoxygenase	ALOX5	Swisstargetprediction
MOL005503	Cornudentanone	Macrophage-expressed gene 1 protein	MPEG1	Swisstargetprediction
MOL005503	Cornudentanone	Cytochrome P450 2D6	CYP2D6	Swisstargetprediction
MOL005503	Cornudentanone	Cytochrome P450 19A1	CYP19A1	Swisstargetprediction
MOL005503	Cornudentanone	11-beta-hydroxysteroid dehydrogenase 1	HSD11B1	Swisstargetprediction
MOL005503	Cornudentanone	Cytochrome P450 2C9	CYP2C9	Swisstargetprediction
MOL005503	Cornudentanone	Cytochrome P450 3A4	CYP3A4	Swisstargetprediction
MOL005503	Cornudentanone	Cytochrome P450 2C19	CYP2C19	Swisstargetprediction
MOL005503	Cornudentanone	Phospholipase A2 group IIA	PLA2G2A	Swisstargetprediction
MOL005503	Cornudentanone	MAP kinase p38 alpha	MAPK14	Swisstargetprediction
MOL005503	Cornudentanone	Neuropeptide Y receptor type 5 (by homology)	NPY5R	Swisstargetprediction
MOL005503	Cornudentanone	Vanilloid receptor	TRPV1	Swisstargetprediction
MOL005503	Cornudentanone	Acetyl-CoA carboxylase 2	ACACB	Swisstargetprediction
MOL005503	Cornudentanone	P-glycoprotein 1	ABCB1	Swisstargetprediction
MOL005503	Cornudentanone	Poly [ADP-ribose] polymerase-1	PARP1	Swisstargetprediction
MOL005503	Cornudentanone	Complement factor D	CFD	Swisstargetprediction
MOL005503	Cornudentanone	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3	PFKFB3	Swisstargetprediction
MOL005503	Cornudentanone	Tyrosine-protein kinase TYK2	TYK2	Swisstargetprediction
MOL005503	Cornudentanone	Orexin receptor 2	HCRT2	Swisstargetprediction
MOL005503	Cornudentanone	Orexin receptor 1	HCRT1	Swisstargetprediction
MOL005503	Cornudentanone	Elongation of very long chain fatty acids protein 6	ELOVL6	Swisstargetprediction
MOL005503	Cornudentanone	Vasopressin V2 receptor	AVPR2	Swisstargetprediction
MOL005503	Cornudentanone	Vasopressin V1a receptor	AVPR1A	Swisstargetprediction
MOL005503	Cornudentanone	Oxytocin receptor	OXTR	Swisstargetprediction
MOL005503	Cornudentanone	Thrombin and coagulation factor X	F10	Swisstargetprediction
MOL005503	Cornudentanone	Bone morphogenetic protein 1	BMP1	Swisstargetprediction
MOL005503	Cornudentanone	Phosphodiesterase 10A	PDE10A	Swisstargetprediction
MOL005503	Cornudentanone	Casein kinase II alpha	CSNK2A1	Swisstargetprediction
MOL005503	Cornudentanone	Casein kinase II alpha (prime)	CSNK2A2	Swisstargetprediction
MOL005503	Cornudentanone	Thyroid hormone receptor beta-1	THRB	Swisstargetprediction

MOL005503	Cornudentanone	Purinergic receptor P2Y12	P2RY12	Swisstargetprediction
MOL005503	Cornudentanone	Legumain	LGMN	Swisstargetprediction
MOL005503	Cornudentanone	Melanin-concentrating hormone receptor 1	MCHR1	Swisstargetprediction
MOL005503	Cornudentanone	Tyrosine-protein kinase JAK3	JAK3	Swisstargetprediction
MOL005503	Cornudentanone	c-Jun N-terminal kinase 1	MAPK8	Swisstargetprediction
MOL005503	Cornudentanone	HERG	KCNH2	Swisstargetprediction
MOL005503	Cornudentanone	Tyrosine-protein kinase SYK	SYK	Swisstargetprediction
MOL005503	Cornudentanone	Tyrosine-protein kinase JAK2	JAK2	Swisstargetprediction
MOL005503	Cornudentanone	MAP kinase p38 beta	MAPK11	Swisstargetprediction
MOL005503	Cornudentanone	Serine/threonine-protein kinase TBK1	TBK1	Swisstargetprediction
MOL005503	Cornudentanone	Matrix metalloproteinase 13	MMP13	Swisstargetprediction
MOL005503	Cornudentanone	Matrix metalloproteinase 1	MMP1	Swisstargetprediction
MOL005503	Cornudentanone	Matrix metalloproteinase 14	MMP14	Swisstargetprediction
MOL005503	Cornudentanone	Sodium channel protein type IX alpha subunit	SCN9A	Swisstargetprediction
MOL005503	Cornudentanone	Nitric oxide synthase, inducible	NOS2	Swisstargetprediction
MOL005503	Cornudentanone	Vascular endothelial growth factor receptor 2	KDR	Swisstargetprediction
MOL005503	Cornudentanone	NAD-dependent deacetylase sirtuin 1	SIRT1	Swisstargetprediction
MOL005503	Cornudentanone	MAP kinase p38 gamma	MAPK12	Swisstargetprediction
MOL005503	Cornudentanone	Tankyrase-2	TNKS2	Swisstargetprediction
MOL005503	Cornudentanone	Tankyrase-1	TNKS	Swisstargetprediction
MOL005503	Cornudentanone	Corticotropin releasing factor receptor 1	CRHR1	Swisstargetprediction
MOL005503	Cornudentanone	Gamma-secretase	PSEN2	Swisstargetprediction
MOL005503	Cornudentanone	Inhibitor of nuclear factor kappa B kinase epsilon subunit	IKBKE	Swisstargetprediction
MOL005503	Cornudentanone	Diacylglycerol O-acyltransferase 1	DGAT1	Swisstargetprediction
MOL005503	Cornudentanone	Sphingosine 1-phosphate receptor Edg-3	S1PR3	Swisstargetprediction
MOL005503	Cornudentanone	Alpha-1d adrenergic receptor	ADRA1D	Swisstargetprediction
MOL005503	Cornudentanone	Serotonin 2a (5-HT2a) receptor	HTR2A	Swisstargetprediction
MOL005503	Cornudentanone	Alpha-1a adrenergic receptor	ADRA1A	Swisstargetprediction
MOL005503	Cornudentanone	Alpha-1b adrenergic receptor	ADRA1B	Swisstargetprediction
MOL005503	Cornudentanone	Multidrug resistance-associated protein 1	ABCC1	Swisstargetprediction
MOL005503	Cornudentanone	Serotonin 7 (5-HT7) receptor	HTR7	Swisstargetprediction
MOL005503	Cornudentanone	Serotonin 6 (5-HT6) receptor	HTR6	Swisstargetprediction
MOL005503	Cornudentanone	Acyl coenzyme A:cholesterol acyltransferase 1	SOAT1	Swisstargetprediction
MOL005503	Cornudentanone	Thymidine kinase, cytosolic	TK1	Swisstargetprediction
MOL005503	Cornudentanone	Chymase	CMA1	Swisstargetprediction
MOL005503	Cornudentanone	Fatty acid transport protein 4	SLC27A4	Swisstargetprediction
MOL005503	Cornudentanone	Histone deacetylase 3	HDAC3	Swisstargetprediction
MOL005503	Cornudentanone	Cyclooxygenase-1	PTGS1	Swisstargetprediction
MOL005503	Cornudentanone	Dopamine D3 receptor	DRD3	Swisstargetprediction
MOL005503	Cornudentanone	c-Jun N-terminal kinase 3	MAPK10	Swisstargetprediction
MOL005503	Cornudentanone	Histone deacetylase 8	HDAC8	Swisstargetprediction
MOL005503	Cornudentanone	Histone deacetylase 11	HDAC11	Swisstargetprediction

MOL005503	Cornudentanone	Calcitonin gene-related peptide type 1 receptor	CALCRL	Swisstargetprediction
MOL005503	Cornudentanone	Serine/threonine-protein kinase Aurora-A	AURKA	Swisstargetprediction
MOL005503	Cornudentanone	Histone deacetylase 10	HDAC10	Swisstargetprediction
MOL005503	Cornudentanone	Cyclin-dependent kinase 2/cyclin E1	CCNE1	Swisstargetprediction
MOL005503	Cornudentanone	Scavenger receptor class B member 1	SCARB1	Swisstargetprediction
MOL005503	Cornudentanone	Glycine transporter 1	SLC6A9	Swisstargetprediction
MOL005503	Cornudentanone	MAP kinase ERK2	MAPK1	Swisstargetprediction
MOL005503	Cornudentanone	Cathepsin S	CTSS	Swisstargetprediction
MOL005503	Cornudentanone	Cathepsin (B and K)	CTSB	Swisstargetprediction
MOL005503	Cornudentanone	CREB-binding protein/p53	CREBBP	Swisstargetprediction
MOL005503	Cornudentanone	Cyclin-dependent kinase 5/CDK5 activator 1	CDK5R1	Swisstargetprediction
MOL005503	Cornudentanone	Stem cell growth factor receptor	KIT	Swisstargetprediction
MOL005503	Cornudentanone	Serine/threonine-protein kinase Aurora-B	AURKB	Swisstargetprediction
MOL005503	Cornudentanone	Protein-glutamine gamma-glutamyltransferase	TGM2	Swisstargetprediction
MOL005503	Cornudentanone	PI3-kinase p110-delta subunit	PIK3CD	Swisstargetprediction
MOL005503	Cornudentanone	Alpha-1,6-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase	MGAT2	Swisstargetprediction
MOL005503	Cornudentanone	Epoxide hydratase	EPHX2	Swisstargetprediction
MOL005503	Cornudentanone	Lipoxin A4 receptor	FPR2	Swisstargetprediction
MOL005503	Cornudentanone	Serine/threonine-protein kinase WEE1	WEE1	Swisstargetprediction
MOL005503	Cornudentanone	Diacylglycerol O-acyltransferase 2	DGAT2	Swisstargetprediction
MOL005503	Cornudentanone	Macrophage colony stimulating factor receptor	CSF1R	Swisstargetprediction
MOL005503	Cornudentanone	Platelet-derived growth factor receptor beta	PDGFRB	Swisstargetprediction
MOL005503	Cornudentanone	Tyrosine-protein kinase receptor FLT3	FLT3	Swisstargetprediction
MOL005503	Cornudentanone	c-Jun N-terminal kinase 2	MAPK9	Swisstargetprediction
MOL005503	Cornudentanone	Endothelin-converting enzyme 1	ECE1	Swisstargetprediction
MOL005503	Cornudentanone	Fatty acid synthase	FASN	Swisstargetprediction
MOL005503	Cornudentanone	Smoothed homolog	SMO	Swisstargetprediction
MOL005503	Cornudentanone	Neurokinin 1 receptor	TACR1	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Aldose reductase (by homology)	AKR1B1	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Adenosine A1 receptor (by homology)	ADORA1	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Adenosine A2a receptor (by homology)	ADORA2A	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Serine/threonine-protein kinase PIM1	PIM1	Swisstargetprediction
MOL005530	Hydroxygenkwan in	NADPH oxidase 4	NOX4	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Beta amyloid A4 protein	APP	Swisstargetprediction

MOL005530	Hydroxygenkwan in	Plasminogen	PLG	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Cytochrome P450 1B1	CYP1B1	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Multidrug resistance- associated protein 1	ABCC1	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Epidermal growth factor receptor erbB1	EGFR	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Cyclin-dependent kinase 5/CDK5 activator 1	CDK5R1	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Telomerase reverse transcriptase	TERT	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Receptor-type tyrosine-protein phosphatase S	PTPRS	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Xanthine dehydrogenase	XDH	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Carbonic anhydrase II	CA2	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Carbonic anhydrase VII	CA7	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Carbonic anhydrase XII	CA12	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Carbonic anhydrase IV	CA4	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Arachidonate 5-lipoxygenase	ALOX5	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Tyrosine-protein kinase receptor FLT3	FLT3	Swisstargetprediction
MOL005530	Hydroxygenkwan in	ATP-binding cassette sub- family G member 2	ABCG2	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Estrogen receptor beta	ESR2	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Monoamine oxidase A	MAOA	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Cyclin-dependent kinase 1/cyclin B	CCNB3	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Tyrosine-protein kinase SYK	SYK	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Glycogen synthase kinase-3 beta	GSK3B	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Transthyretin	TTR	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Aldo-keto reductase family 1 member B10	AKR1B10	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Tankyrase-2	TNKS2	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Tankyrase-1	TNKS	Swisstargetprediction
MOL005530	Hydroxygenkwan in	P-glycoprotein 1	ABCB1	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Estrogen receptor alpha	ESR1	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Delta opioid receptor	OPRD1	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Glyoxalase I	GLO1	Swisstargetprediction

MOL005530	Hydroxygenkwan in	Poly [ADP-ribose] polymerase-1	PARP1	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Matrix metalloproteinase 9	MMP9	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Matrix metalloproteinase 2	MMP2	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Matrix metalloproteinase 12	MMP12	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Lymphocyte differentiation antigen CD38	CD38	Swisstargetprediction
MOL005530	Hydroxygenkwan in	DNA topoisomerase I (by homology)	TOP1	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Arginase-1 (by homology)	ARG1	Swisstargetprediction
MOL005530	Hydroxygenkwan in	AMY1C	AMY1A	Swisstargetprediction
MOL005530	Hydroxygenkwan in	G protein-coupled receptor kinase 6	GRK6	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Estradiol 17-beta- dehydrogenase 1	HSD17B1	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Phospholipase A2 group IIA	PLA2G2A	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Thrombin	F2	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Insulin-like growth factor I receptor	IGF1R	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Stem cell growth factor receptor	KIT	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Cytochrome P450 19A1	CYP19A1	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Acetylcholinesterase	ACHE	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Cyclooxygenase-2	PTGS2	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Cyclin-dependent kinase 6	CDK6	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Casein kinase II alpha	CSNK2A1	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Cystic fibrosis transmembrane conductance regulator	CFTR	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Beta-secretase 1	BACE1	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Carbonyl reductase [NADPH] 1	CBR1	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Estradiol 17-beta- dehydrogenase 2	HSD17B2	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Androgen Receptor	AR	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Beta-galactoside alpha-2,6- sialyltransferase 1	ST6GAL1	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Nitric oxide synthase, inducible (by homology)	NOS2	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Adenosine A3 receptor	ADORA3	Swisstargetprediction
MOL005530	Hydroxygenkwan in	G-protein coupled receptor 35	GPR35	Swisstargetprediction

MOL005530	Hydroxygenkwan in	Death-associated protein kinase 1	DAPK1	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Carbonic anhydrase I	CA1	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Carbonic anhydrase IX	CA9	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Lysine-specific demethylase 4D-like	KDM4E	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Arachidonate 15-lipoxygenase	ALOX15	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Cyclin-dependent kinase 1	CDK1	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Arachidonate 12-lipoxygenase	ALOX12	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Vasopressin V2 receptor	AVPR2	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Serine/threonine-protein kinase Aurora-B	AURKB	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Dopamine D4 receptor	DRD4	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Myeloperoxidase	MPO	Swisstargetprediction
MOL005530	Hydroxygenkwan in	PI3-kinase p85-alpha subunit	PIK3R1	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Liver glycogen phosphorylase	PYGL	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Tyrosine-protein kinase SRC	SRC	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Focal adhesion kinase 1	PTK2	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Vascular endothelial growth factor receptor 2	KDR	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Matrix metalloproteinase 13	MMP13	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Matrix metalloproteinase 3	MMP3	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Carbonic anhydrase III	CA3	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Serine/threonine-protein kinase PLK1	PLK1	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Carbonic anhydrase VI	CA6	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Protein kinase N1	PKN1	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Carbonic anhydrase XIV	CA14	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Hepatocyte growth factor receptor	MET	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Serine/threonine-protein kinase NEK2	NEK2	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Carbonic anhydrase XIII (by homology)	CA13	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Interleukin-8 receptor A	CXCR1	Swisstargetprediction
MOL005530	Hydroxygenkwan in	CaM kinase II beta	CAMK2B	Swisstargetprediction

MOL005530	Hydroxygenkwan in	ALK tyrosine kinase receptor	ALK	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Serine/threonine-protein kinase AKT	AKT1	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Serine/threonine-protein kinase NEK6	NEK6	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Phospholipase A2 group 1B	PLA2G1B	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Carbonic anhydrase VA	CA5A	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Tyrosine-protein kinase receptor UFO	AXL	Swisstargetprediction
MOL005530	Hydroxygenkwan in	NUAK family SNF1-like kinase 1	NUAK1	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Aldo-keto reductase family 1 member C2 (by homology)	AKR1C2	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Aldo-keto reductase family 1 member C1 (by homology)	AKR1C1	Swisstargetprediction
MOL005530	Hydroxygenkwan in	Aldo-keto-reductase family 1 member C3 (by homology)	AKR1C3	Swisstargetprediction
MOL005531	Telocinobufagin	Cholesterol esterase	CEL	Swisstargetprediction
MOL005531	Telocinobufagin	HMG-CoA reductase (by homology)	HMGCR	Swisstargetprediction
MOL005531	Telocinobufagin	Glucose-6-phosphate 1- dehydrogenase	G6PD	Swisstargetprediction
MOL005531	Telocinobufagin	Rho-associated protein kinase 2	ROCK2	Swisstargetprediction
MOL005531	Telocinobufagin	Tyrosine-protein kinase receptor UFO	AXL	Swisstargetprediction
MOL005531	Telocinobufagin	Tyrosine-protein kinase receptor TYRO3	TYRO3	Swisstargetprediction
MOL005531	Telocinobufagin	Proto-oncogene tyrosine- protein kinase MER	MERTK	Swisstargetprediction
MOL005531	Telocinobufagin	Rho-associated protein kinase 1	ROCK1	Swisstargetprediction
MOL005531	Telocinobufagin	Serine/threonine-protein kinase MRCK-A	CDC42BPA	Swisstargetprediction
MOL005531	Telocinobufagin	Interleukin-1 receptor- associated kinase 4	IRAK4	Swisstargetprediction
MOL005531	Telocinobufagin	Serine/threonine-protein kinase WEE1	WEE1	Swisstargetprediction
MOL005531	Telocinobufagin	Glucocorticoid receptor	NR3C1	Swisstargetprediction
MOL005531	Telocinobufagin	Corticosteroid binding globulin	SERPINA6	Swisstargetprediction
MOL005531	Telocinobufagin	Testis-specific androgen- binding protein	SHBG	Swisstargetprediction
MOL005531	Telocinobufagin	Tyrosine-protein kinase ITK/TSK	ITK	Swisstargetprediction
MOL005531	Telocinobufagin	GABA-A receptor; alpha- 5/beta-3/gamma-2	GABRB3	Swisstargetprediction
MOL005531	Telocinobufagin	Tyrosine-protein kinase JAK1	JAK1	Swisstargetprediction
MOL005531	Telocinobufagin	Serine/threonine-protein kinase receptor R3	ACVRL1	Swisstargetprediction
MOL005531	Telocinobufagin	Chymotrypsin C	CTRC	Swisstargetprediction
MOL005531	Telocinobufagin	Sorbitol dehydrogenase	SORD	Swisstargetprediction
MOL005531	Telocinobufagin	Epoxide hydratase	EPHX2	Swisstargetprediction
MOL005531	Telocinobufagin	Calpain 1	CAPN1	Swisstargetprediction

MOL005531	Telocinobufagin	Mu opioid receptor	OPRM1	Swisstargetprediction
MOL005531	Telocinobufagin	Delta opioid receptor	OPRD1	Swisstargetprediction
MOL005531	Telocinobufagin	Kappa Opioid receptor	OPRK1	Swisstargetprediction
MOL005531	Telocinobufagin	Tyrosine-protein kinase JAK3	JAK3	Swisstargetprediction
MOL005531	Telocinobufagin	Protein kinase C delta	PRKCD	Swisstargetprediction
MOL005531	Telocinobufagin	Protein kinase C alpha	PRKCA	Swisstargetprediction
MOL005531	Telocinobufagin	Adenosine A1 receptor	ADORA1	Swisstargetprediction
MOL005531	Telocinobufagin	Vascular endothelial growth factor receptor 2	KDR	Swisstargetprediction
MOL005531	Telocinobufagin	PI3-kinase p110-alpha subunit	PIK3CA	Swisstargetprediction
MOL005531	Telocinobufagin	Tubulin--tyrosine ligase	TTL	Swisstargetprediction
MOL005531	Telocinobufagin	Leucine-rich repeat serine/threonine-protein kinase 2	LRRK2	Swisstargetprediction
MOL005531	Telocinobufagin	Mineralocorticoid receptor	NR3C2	Swisstargetprediction
MOL005531	Telocinobufagin	GABA-A receptor; alpha-3/beta-3/gamma-2	GABRB3	Swisstargetprediction
MOL005531	Telocinobufagin	GABA-A receptor; alpha-1/beta-3/gamma-2	GABRB3	Swisstargetprediction
MOL005531	Telocinobufagin	GABA-A receptor; alpha-2/beta-3/gamma-2	GABRA2	Swisstargetprediction
MOL005531	Telocinobufagin	MAP kinase ERK2	MAPK1	Swisstargetprediction
MOL005531	Telocinobufagin	MAP kinase ERK1	MAPK3	Swisstargetprediction
MOL005531	Telocinobufagin	DNA polymerase alpha subunit	POLA1	Swisstargetprediction
MOL005531	Telocinobufagin	Cyclooxygenase-1	PTGS1	Swisstargetprediction
MOL005531	Telocinobufagin	Cyclooxygenase-2	PTGS2	Swisstargetprediction
MOL005531	Telocinobufagin	Progesterone receptor	PGR	Swisstargetprediction
MOL005531	Telocinobufagin	MAP kinase signal-integrating kinase 2	MKNK2	Swisstargetprediction
MOL005531	Telocinobufagin	Muscarinic acetylcholine receptor M2 (by homology)	CHRM2	Swisstargetprediction
MOL005531	Telocinobufagin	Muscarinic acetylcholine receptor M1 (by homology)	CHRM1	Swisstargetprediction
MOL005531	Telocinobufagin	Muscarinic acetylcholine receptor M3 (by homology)	CHRM3	Swisstargetprediction
MOL005531	Telocinobufagin	Neuropeptide Y receptor type 5	NPY5R	Swisstargetprediction
MOL005531	Telocinobufagin	Serine/threonine-protein kinase Chk1	CHEK1	Swisstargetprediction
MOL005531	Telocinobufagin	Carbonic anhydrase I	CA1	Swisstargetprediction
MOL005531	Telocinobufagin	Epidermal growth factor receptor erbB1	EGFR	Swisstargetprediction
MOL005531	Telocinobufagin	Interleukin-6 receptor subunit beta	IL6ST	Swisstargetprediction
MOL005531	Telocinobufagin	Proto-oncogene tyrosine-protein kinase ROS	ROS1	Swisstargetprediction
MOL005531	Telocinobufagin	Tyrosine-protein kinase receptor FLT3	FLT3	Swisstargetprediction
MOL005531	Telocinobufagin	Cyclin-dependent kinase 1	CDK1	Swisstargetprediction
MOL005531	Telocinobufagin	Serine/threonine-protein kinase PLK4	PLK4	Swisstargetprediction
MOL005531	Telocinobufagin	Cyclin-dependent kinase 5/CDK5 activator 1	CDK5	Swisstargetprediction
MOL005531	Telocinobufagin	C-X-C chemokine receptor type 3	CXCR3	Swisstargetprediction

MOL005531	Telocinobufagin	ATP-sensitive inward rectifier potassium channel 1	KCNJ1	Swisstargetprediction
MOL005531	Telocinobufagin	Aldose reductase	AKR1B1	Swisstargetprediction
MOL005531	Telocinobufagin	Tyrosine-protein kinase JAK2	JAK2	Swisstargetprediction
MOL005531	Telocinobufagin	PI3-kinase p110-delta subunit	PIK3CD	Swisstargetprediction
MOL005531	Telocinobufagin	PI3-kinase p110-beta subunit	PIK3CB	Swisstargetprediction
MOL005531	Telocinobufagin	PI3-kinase p110-gamma subunit	PIK3CG	Swisstargetprediction
MOL005531	Telocinobufagin	Aldo-keto reductase family 1 member B10	AKR1B10	Swisstargetprediction
MOL005531	Telocinobufagin	Nociceptin receptor	OPRL1	Swisstargetprediction
MOL005531	Telocinobufagin	Intercellular adhesion molecule (ICAM-1), Integrin alpha-L/beta-2	ITGAL	Swisstargetprediction
MOL005531	Telocinobufagin	Glycogen synthase kinase-3 beta	GSK3B	Swisstargetprediction
MOL005531	Telocinobufagin	Cyclin-dependent kinase 2	CDK2	Swisstargetprediction
MOL005531	Telocinobufagin	LIM domain kinase 1	LIMK1	Swisstargetprediction
MOL005531	Telocinobufagin	Kinesin-like protein 1	KIF11	Swisstargetprediction
MOL005531	Telocinobufagin	Vitamin D receptor	VDR	Swisstargetprediction
MOL005531	Telocinobufagin	PI3-kinase p110-alpha/p85-alpha	PIK3CA	Swisstargetprediction
MOL005531	Telocinobufagin	Thrombin and coagulation factor X	F10	Swisstargetprediction
MOL005531	Telocinobufagin	Serine/threonine-protein kinase PAK 1	PAK1	Swisstargetprediction
MOL005531	Telocinobufagin	Potassium-transporting ATPase alpha chain 2	ATP12A	Swisstargetprediction
MOL005531	Telocinobufagin	p53-binding protein Mdm-2	MDM2	Swisstargetprediction
MOL005531	Telocinobufagin	Glutamate NMDA receptor; GRIN1/GRIN2B	GRIN1	Swisstargetprediction
MOL005531	Telocinobufagin	Xanthine dehydrogenase	XDH	Swisstargetprediction
MOL005531	Telocinobufagin	DNA-dependent protein kinase	PRKDC	Swisstargetprediction
MOL005531	Telocinobufagin	Matrix metalloproteinase 1	MMP1	Swisstargetprediction
MOL005531	Telocinobufagin	Signal transducer and activator of transcription 3	STAT3	Swisstargetprediction
MOL005531	Telocinobufagin	Matrix metalloproteinase 8	MMP8	Swisstargetprediction
MOL005531	Telocinobufagin	Glycogen synthase kinase-3 alpha	GSK3A	Swisstargetprediction
MOL005531	Telocinobufagin	Bile acid receptor FXR	NR1H4	Swisstargetprediction
MOL005531	Telocinobufagin	Cystinyl aminopeptidase	LNPEP	Swisstargetprediction
MOL005531	Telocinobufagin	P2X purinoceptor 3	P2RX3	Swisstargetprediction
MOL005531	Telocinobufagin	Purine nucleoside phosphorylase	PNP	Swisstargetprediction
MOL005531	Telocinobufagin	Serine/threonine-protein kinase/endoribonuclease IRE1	ERN1	Swisstargetprediction
MOL005531	Telocinobufagin	Cyclin-dependent kinase 4/cyclin D1	CCND1	Swisstargetprediction
MOL005531	Telocinobufagin	Cyclin-dependent kinase 2/cyclin A	CDK2	Swisstargetprediction
MOL005531	Telocinobufagin	Mammalian target of Rapamycin (mTORC1)	FKBP1A	Swisstargetprediction
MOL005531	Telocinobufagin	MAP kinase p38 alpha	MAPK14	Swisstargetprediction
MOL005531	Telocinobufagin	Serine/threonine-protein kinase mTOR	MTOR	Swisstargetprediction
MOL005531	Telocinobufagin	Protein kinase C beta	PRKCB	Swisstargetprediction

MOL005531	Telocinobufagin	11-beta-hydroxysteroid dehydrogenase 1	HSD11B1	Swisstargetprediction
MOL005531	Telocinobufagin	Serine/threonine-protein kinase AKT	AKT1	Swisstargetprediction
MOL005531	Telocinobufagin	CDK2/Cyclin A	CCNA2	Swisstargetprediction
MOL005531	Telocinobufagin	Tyrosine-protein kinase TYK2	TYK2	Swisstargetprediction
MOL005531	Telocinobufagin	Fibroblast growth factor receptor 1	FGFR1	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Alpha-2a adrenergic receptor	ADRA2A	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Butyrylcholinesterase	BCHE	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Adrenergic receptor alpha-2	ADRA2C	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Alpha-2b adrenergic receptor	ADRA2B	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Serotonin 2b (5-HT2b) receptor	HTR2B	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Serotonin 2a (5-HT2a) receptor (by homology)	HTR2A	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Delta opioid receptor	OPRD1	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Dopamine D2 receptor	DRD2	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Serotonin 1a (5-HT1a) receptor	HTR1A	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Cytochrome P450 2D6	CYP2D6	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Alpha-1a adrenergic receptor	ADRA1A	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Adenosine A3 receptor	ADORA3	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Serotonin 6 (5-HT6) receptor	HTR6	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Alpha-1d adrenergic receptor	ADRA1D	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Alpha-1b adrenergic receptor	ADRA1B	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Orexin receptor 2	HCRT2	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Orexin receptor 1	HCRT1	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Phosphodiesterase 10A	PDE10A	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Sodium channel protein type V alpha subunit	SCN5A	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Dopamine D3 receptor	DRD3	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Calpain 1	CAPN1	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Bromodomain-containing protein 4	BRD4	Swisstargetprediction
MOL008457	Tetrahydroalstonine	P2X purinoceptor 7	P2RX7	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Cathepsin L	CTSL	Swisstargetprediction

MOL008457	Tetrahydroalstonine	GABA-A receptor; alpha-1/beta-3/gamma-2	GABRB3	Swisstargetprediction
MOL008457	Tetrahydroalstonine	GABA-A receptor; alpha-5/beta-3/gamma-2	GABRB3	Swisstargetprediction
MOL008457	Tetrahydroalstonine	GABA-A receptor; alpha-6/beta-3/gamma-2	GABRG2	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Interleukin-1 receptor-associated kinase 4	IRAK4	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Macrophage colony stimulating factor receptor	CSF1R	Swisstargetprediction
MOL008457	Tetrahydroalstonine	c-Jun N-terminal kinase 1	MAPK8	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Focal adhesion kinase 1	PTK2	Swisstargetprediction
MOL008457	Tetrahydroalstonine	GABA receptor alpha-1 subunit	GABRA1	Swisstargetprediction
MOL008457	Tetrahydroalstonine	GABA A receptor alpha-3/beta-2/gamma-2	GABRA3	Swisstargetprediction
MOL008457	Tetrahydroalstonine	GABA A receptor alpha-2/beta-2/gamma-2	GABRA2	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Arachidonate 15-lipoxygenase	ALOX15	Swisstargetprediction
MOL008457	Tetrahydroalstonine	GABA receptor alpha-5 subunit	GABRA5	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Quinone reductase 2	NQO2	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Proteinase-activated receptor 1	F2R	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Cyclin-dependent kinase 1/cyclin B	CCNB3	Swisstargetprediction
MOL008457	Tetrahydroalstonine	GABA receptor alpha-4 subunit	GABRA4	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Estradiol 17-beta-dehydrogenase 2	HSD17B2	Swisstargetprediction
MOL008457	Tetrahydroalstonine	GABA receptor alpha-3 subunit	GABRA3	Swisstargetprediction
MOL008457	Tetrahydroalstonine	GABA receptor alpha-2 subunit	GABRA2	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Dipeptidyl peptidase I	CTSC	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Mucosa-associated lymphoid tissue lymphoma translocation protein 1	MALT1	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Prokineticin receptor 1	PROKR1	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Cyclin-dependent kinase 5/CDK5 activator 1	CDK5R1	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Dual-specificity tyrosine-phosphorylation regulated kinase 1A	DYRK1A	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Muscle glycogen phosphorylase	PYGM	Swisstargetprediction
MOL008457	Tetrahydroalstonine	c-Jun N-terminal kinase 2	MAPK9	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Potassium channel, inwardly rectifying, subfamily J, member 11	KCNJ11	Swisstargetprediction

MOL008457	Tetrahydroalstonine	Bile acid receptor FXR	NR1H4	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Tyrosine-protein kinase JAK2	JAK2	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Prolyl endopeptidase	PREP	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Carnitine O-palmitoyltransferase 1, liver isoform	CPT1A	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Glycine transporter 1	SLC6A9	Swisstargetprediction
MOL008457	Tetrahydroalstonine	C-C chemokine receptor type 3	CCR3	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Tyrosine-protein kinase JAK1	JAK1	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Glycogen synthase kinase-3 alpha	GSK3A	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Cyclin-dependent kinase 1	CDK1	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Cyclin-dependent kinase 4/cyclin D2	CCND2	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Alkaline phosphatase, tissue-nonspecific isozyme	ALPL	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Kir3.1/Kir3.4	KCNJ5	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Kir3.1/Kir3.2	KCNJ6	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Vascular endothelial growth factor receptor 1	FLT1	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Platelet-derived growth factor receptor beta	PDGFRB	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Cyclin-dependent kinase 2/cyclin A	CDK2	Swisstargetprediction
MOL008457	Tetrahydroalstonine	CDK6/cyclin D1	CCND1	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Carbonic anhydrase VII	CA7	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Cyclin-dependent kinase 6	CDK6	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Tyrosine-protein kinase LCK	LCK	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Carbonic anhydrase I	CA1	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Cyclin-dependent kinase 2	CDK2	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Carbonic anhydrase XII	CA12	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Carbonic anhydrase IX	CA9	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Fibroblast growth factor receptor 1	FGFR1	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Carbonic anhydrase XIII	CA13	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Serotonin transporter	SLC6A4	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Thymidylate synthase	TYMS	Swisstargetprediction

MOL008457	Tetrahydroalstonine	Potassium channel subfamily K member 3	KCNK3	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Potassium channel subfamily K member 9	KCNK9	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Methionine aminopeptidase 2	METAP2	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Dual specificity phosphatase Cdc25B	CDC25B	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Receptor-interacting serine/threonine-protein kinase 1	RIPK1	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Vasopressin V1a receptor (by homology)	AVPR1A	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Metabotropic glutamate receptor 4	GRM4	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Cyclin-dependent kinase 9	CDK9	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Corticotropin releasing factor receptor 1	CRHR1	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Cyclin-dependent kinase 2/cyclin E	CCNE2	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Protein kinase C beta	PRKCB	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Tyrosine-protein kinase TYK2	TYK2	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Acetylcholinesterase	ACHE	Swisstargetprediction
MOL008457	Tetrahydroalstonine	GABA A receptor alpha-6/beta-2/gamma-2	GABRA6	Swisstargetprediction
MOL008457	Tetrahydroalstonine	GABA receptor alpha-6 subunit	GABRA6	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Nitric-oxide synthase, brain	NOS1	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Serine/threonine-protein kinase RAF	RAF1	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Glycogen synthase kinase-3 beta	GSK3B	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Dual specificity mitogen-activated protein kinase kinase 2	MAP2K2	Swisstargetprediction
MOL008457	Tetrahydroalstonine	Serine/threonine-protein kinase Aurora-C	AURKC	Swisstargetprediction
MOL008457	Tetrahydroalstonine	CaM kinase II alpha	CAMK2A	Swisstargetprediction
MOL005552	gemin D	Squalene monooxygenase (by homology)	SQLE	Swisstargetprediction
MOL005552	gemin D	Thrombin and coagulation factor X	F10	Swisstargetprediction
MOL005552	gemin D	Transitional endoplasmic reticulum ATPase	VCP	Swisstargetprediction
MOL005552	gemin D	Troponin, cardiac muscle	TNNC1	Swisstargetprediction
MOL005552	gemin D	Beta-secretase 1	BACE1	Swisstargetprediction
MOL005552	gemin D	Carbonic anhydrase VII	CA7	Swisstargetprediction
MOL005552	gemin D	Carbonic anhydrase XII	CA12	Swisstargetprediction
MOL005552	gemin D	Coagulation factor VII	F7	Swisstargetprediction
MOL005552	gemin D	P-glycoprotein 1	ABCB1	Swisstargetprediction

MOL005552	gemin D	Serine/threonine-protein kinase PIM1	PIM1	Swisstargetprediction
MOL005552	gemin D	Cyclin-dependent kinase 5/CDK5 activator 1	CDK5R1	Swisstargetprediction
MOL005552	gemin D	Thrombin	F2	Swisstargetprediction
MOL005552	gemin D	Insulin-like growth factor binding protein 3	IGFBP3	Swisstargetprediction
MOL005552	gemin D	Integrin alpha-V/beta-3	ITGAV	Swisstargetprediction
MOL005552	gemin D	Equilibrative nucleoside transporter 1	SLC29A1	Swisstargetprediction
MOL005552	gemin D	Receptor-type tyrosine-protein phosphatase S	PTPRS	Swisstargetprediction
MOL005552	gemin D	Plasminogen activator inhibitor-1	SERPINE1	Swisstargetprediction
MOL005552	gemin D	Protein kinase C (PKC)	PRKCZ	Swisstargetprediction
MOL005552	gemin D	cAMP-dependent protein kinase alpha-catalytic subunit	PRKACA	Swisstargetprediction
MOL005552	gemin D	Carbonic anhydrase II	CA2	Swisstargetprediction
MOL005552	gemin D	Matrix metalloproteinase 9	MMP9	Swisstargetprediction
MOL005552	gemin D	Matrix metalloproteinase 2	MMP2	Swisstargetprediction
MOL005552	gemin D	Carbonic anhydrase IV	CA4	Swisstargetprediction
MOL005552	gemin D	Microtubule-associated protein tau	MAPT	Swisstargetprediction
MOL005552	gemin D	Lysine-specific demethylase 4D-like	KDM4E	Swisstargetprediction
MOL005552	gemin D	G-protein coupled receptor 35	GPR35	Swisstargetprediction
MOL005552	gemin D	DNA topoisomerase II alpha	TOP2A	Swisstargetprediction
MOL005552	gemin D	Xanthine dehydrogenase	XDH	Swisstargetprediction
MOL005552	gemin D	Tyrosine-protein kinase receptor FLT3	FLT3	Swisstargetprediction
MOL005552	gemin D	Insulin receptor	INSR	Swisstargetprediction
MOL005552	gemin D	Catechol O-methyltransferase	COMT	Swisstargetprediction
MOL005552	gemin D	Glyoxalase I	GLO1	Swisstargetprediction
MOL005552	gemin D	Myosin light chain kinase, smooth muscle	MYLK	Swisstargetprediction
MOL005552	gemin D	Tyrosine-protein kinase SYK	SYK	Swisstargetprediction
MOL005552	gemin D	Multidrug resistance-associated protein 1	ABCC1	Swisstargetprediction
MOL005552	gemin D	PI3-kinase p110-gamma subunit	PIK3CG	Swisstargetprediction
MOL005552	gemin D	DNA-(apurinic or apyrimidinic site) lyase	APEX1	Swisstargetprediction
MOL005552	gemin D	Carbonic anhydrase IX	CA9	Swisstargetprediction
MOL005552	gemin D	Estrogen receptor beta	ESR2	Swisstargetprediction
MOL005552	gemin D	Induced myeloid leukemia cell differentiation protein Mcl-1	MCL1	Swisstargetprediction
MOL005552	gemin D	Apoptosis regulator Bcl-X	BCL2L1	Swisstargetprediction
MOL005552	gemin D	Apoptosis regulator Bcl-2	BCL2	Swisstargetprediction
MOL005552	gemin D	Bcl-2-related protein A1	BCL2A1	Swisstargetprediction
MOL005552	gemin D	Insulin-like growth factor binding protein 6	IGFBP6	Swisstargetprediction
MOL005552	gemin D	Insulin-like growth factor binding protein 4	IGFBP4	Swisstargetprediction
MOL005552	gemin D	Insulin-like growth factor binding protein 5	IGFBP5	Swisstargetprediction
MOL005552	gemin D	Insulin-like growth factor binding protein 2	IGFBP2	Swisstargetprediction

MOL005552	gemin D	Insulin-like growth factor binding protein 1	IGFBP1	Swisstargetprediction
MOL005552	gemin D	Metastin receptor	KISS1R	Swisstargetprediction
MOL005552	gemin D	Quinone reductase 1	NQO1	Swisstargetprediction
MOL005552	gemin D	Integrin alpha-IIb/beta-3	ITGA2B	Swisstargetprediction
MOL005552	gemin D	Integrin alpha-5/beta-1	ITGB1	Swisstargetprediction
MOL005552	gemin D	NADPH oxidase 4	NOX4	Swisstargetprediction
MOL005552	gemin D	Integrin alpha-V/beta-6	ITGAV	Swisstargetprediction
MOL005552	gemin D	Lysine-specific demethylase 4C	KDM4C	Swisstargetprediction
MOL005552	gemin D	PI3-kinase p110-alpha subunit	PIK3CA	Swisstargetprediction
MOL005552	gemin D	Adrenergic receptor alpha-2	ADRA2C	Swisstargetprediction
MOL005552	gemin D	Histone deacetylase 1	HDAC1	Swisstargetprediction
MOL005552	gemin D	AMY1C	AMY1A	Swisstargetprediction
MOL005552	gemin D	T-cell protein-tyrosine phosphatase	PTPN2	Swisstargetprediction
MOL005552	gemin D	Cannabinoid receptor 2	CNR2	Swisstargetprediction
MOL005552	gemin D	Aldose reductase	AKR1B1	Swisstargetprediction
MOL005552	gemin D	Arachidonate 5-lipoxygenase	ALOX5	Swisstargetprediction
MOL005552	gemin D	Cannabinoid receptor 1	CNR1	Swisstargetprediction
MOL005552	gemin D	Tyrosyl-DNA phosphodiesterase 1	TDP1	Swisstargetprediction
MOL005552	gemin D	Ileal bile acid transporter	SLC10A2	Swisstargetprediction
MOL005552	gemin D	Butyrylcholinesterase	BCHE	Swisstargetprediction
MOL005552	gemin D	Heat shock protein HSP 90-alpha	HSP90AA1	Swisstargetprediction
MOL005552	gemin D	Acetylcholinesterase	ACHE	Swisstargetprediction
MOL005552	gemin D	Squalene synthetase	FDFT1	Swisstargetprediction
MOL005552	gemin D	P-selectin	SELP	Swisstargetprediction
MOL005552	gemin D	Serine/threonine-protein kinase/endoribonuclease IRE1	ERN1	Swisstargetprediction
MOL005552	gemin D	Dopamine transporter (by homology)	SLC6A3	Swisstargetprediction
MOL005552	gemin D	Phosphodiesterase 5A	PDE5A	Swisstargetprediction
MOL005552	gemin D	Platelet activating factor receptor	PTAFR	Swisstargetprediction
MOL005552	gemin D	Protein kinase C theta	PRKCQ	Swisstargetprediction
MOL005552	gemin D	Heat shock protein HSP 90-beta	HSP90AB1	Swisstargetprediction
MOL005552	gemin D	Protein-tyrosine phosphatase 1B	PTPN1	Swisstargetprediction
MOL005552	gemin D	Protein kinase C delta	PRKCD	Swisstargetprediction
MOL005552	gemin D	Free fatty acid receptor 1	FFAR1	Swisstargetprediction
MOL005552	gemin D	DNA topoisomerase I	TOP1	Swisstargetprediction
MOL005552	gemin D	Beta amyloid A4 protein	APP	Swisstargetprediction
MOL005552	gemin D	DNA polymerase kappa	POLK	Swisstargetprediction
MOL005552	gemin D	DNA polymerase beta	POLB	Swisstargetprediction
MOL005552	gemin D	Galectin-3	LGALS3	Swisstargetprediction
MOL005552	gemin D	Galectin-9	LGALS9	Swisstargetprediction
MOL005552	gemin D	Protein kinase C epsilon	PRKCE	Swisstargetprediction
MOL005552	gemin D	Cyclooxygenase-2	PTGS2	Swisstargetprediction
MOL005552	gemin D	Protein kinase C gamma	PRKCG	Swisstargetprediction
MOL005552	gemin D	Protein kinase C beta	PRKCB	Swisstargetprediction
MOL005552	gemin D	Protein kinase C eta	PRKCH	Swisstargetprediction
MOL005552	gemin D	Protein kinase C alpha	PRKCA	Swisstargetprediction
MOL005552	gemin D	Inhibitor of nuclear factor kappa B kinase beta subunit	IKBKB	Swisstargetprediction

MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Prostaglandin E synthase	PTGES	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	11-beta-hydroxysteroid dehydrogenase 1	HSD11B1	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Cytochrome P450 19A1	CYP19A1	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	11-beta-hydroxysteroid dehydrogenase 2	HSD11B2	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Androgen Receptor	AR	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	HMG-CoA reductase (by homology)	HMGR	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Cytochrome P450 17A1	CYP17A1	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Glucocorticoid receptor	NR3C1	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Carboxylesterase 2	CES2	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Estradiol 17-beta-dehydrogenase 2	HSD17B2	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Protein-tyrosine phosphatase 1B	PTPN1	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Progesterone receptor	PGR	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Aldo-keto reductase family 1 member C2	AKR1C2	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Aldo-keto reductase family 1 member C1	AKR1C1	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Anandamide amidohydrolase	FAAH	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	LXR-alpha	NR1H3	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	LXR-beta	NR1H2	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Taste receptor type 2 member 31	TAS2R31	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Mineralocorticoid receptor	NR3C2	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Cytochrome P450 2C19	CYP2C19	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Protein farnesyltransferase	FNTA	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Aldo-keto-reductase family 1 member C3	AKR1C3	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Cyclooxygenase-2	PTGS2	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Cannabinoid receptor 1	CNR1	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	DNA polymerase alpha subunit	POLA1	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Calcium sensing receptor	CASR	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Potassium-transporting ATPase alpha chain 2	ATP12A	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Oxytocin receptor (by homology)	OXTR	Swisstargetprediction

MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Arachidonate 5-lipoxygenase	ALOX5	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Somatostatin receptor 4	SSTR4	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Testis-specific androgen-binding protein	SHBG	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Interleukin-1 receptor-associated kinase 4	IRAK4	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Translocator protein (by homology)	TSPO	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Tankyrase-1	TNKS	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Hypoxia-inducible factor 1 alpha	HIF1A	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	C5a anaphylatoxin chemotactic receptor	C5AR1	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Cannabinoid receptor 2	CNR2	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Bromodomain-containing protein 4	BRD4	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Bromodomain-containing protein 2	BRD2	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Bromodomain-containing protein 3	BRD3	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Induced myeloid leukemia cell differentiation protein Mcl-1	MCL1	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Glutaminyl-peptide cyclotransferase	QPCT	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Delta opioid receptor	OPRD1	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Squalene monooxygenase (by homology)	SQLE	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Somatostatin receptor 2	SSTR2	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Platelet-derived growth factor receptor beta	PDGFRB	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Vascular endothelial growth factor receptor 2	KDR	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Microsomal triglyceride transfer protein large subunit	MTTP	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Phosphodiesterase 10A	PDE10A	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Apolipoprotein B-100	APOB	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Tyrosine-protein kinase receptor FLT3	FLT3	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Poly [ADP-ribose] polymerase-1	PARP1	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Monoamine oxidase A	MAOA	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Tyrosine-protein kinase SRC	SRC	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Corticosteroid binding globulin	SERPINA6	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Thrombin	F2	Swisstargetprediction

MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Vascular endothelial growth factor receptor 1	FLT1	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	5-lipoxygenase activating protein	ALOX5AP	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Histone deacetylase 3	HDAC3	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Histone deacetylase 11	HDAC11	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Cyclin-dependent kinase 1/cyclin B	CCNB3	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Cytochrome P450 24A1	CYP24A1	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Smoothened homolog	SMO	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	25-hydroxyvitamin D-1 alpha hydroxylase, mitochondrial (by homology)	CYP27B1	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Sodium channel protein type V alpha subunit	SCN5A	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Cyclin-dependent kinase 1	CDK1	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Sodium channel protein type IX alpha subunit	SCN9A	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Apoptosis regulator Bcl-2	BCL2	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Trypsin I	PRSS1	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Chymotrypsin C	CTRC	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Nitric oxide synthase, inducible (by homology)	NOS2	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Glucose-dependent insulinotropic receptor	GPR119	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Calcitonin-gene-related peptide receptor, CALCRL/RAMP1	CALCRL	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Ribosomal protein S6 kinase alpha 3	RPS6KA3	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Tyrosine-protein kinase TIE-2	TEK	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	p53-binding protein Mdm-2	MDM2	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Melanin-concentrating hormone receptor 1	MCHR1	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Proteinase-activated receptor 1	F2R	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Neuropeptide Y receptor type 5	NPY5R	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Glycogen synthase kinase-3 beta	GSK3B	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	T-cell protein-tyrosine phosphatase	PTPN2	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Vasopressin V1a receptor	AVPR1A	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Vasopressin V1b receptor	AVPR1B	Swisstargetprediction

MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Epoxide hydrolase 1	EPHX1	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Bradykinin B1 receptor	BDKRB1	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3	PFKFB3	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Histamine H3 receptor	HRH3	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Vascular cell adhesion protein 1	VCAM1	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Nicotinamide phosphoribosyltransferase	NAMPT	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Corticotropin releasing factor receptor 1	CRHR1	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Glutamate [NMDA] receptor subunit epsilon 2	GRIN2B	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Cyclin-dependent kinase 2/cyclin E1	CCNE1	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Voltage-gated calcium channel alpha2/delta subunit 1	CACNA2D1	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Metabotropic glutamate receptor 5 (by homology)	GRM5	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Sn1-specific diacylglycerol lipase alpha	DAGLA	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Thromboxane A2 receptor	TBXA2R	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Macrophage colony stimulating factor receptor	CSF1R	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Gonadotropin-releasing hormone receptor	GNRHR	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Stem cell growth factor receptor	KIT	Swisstargetprediction
MOL005557	lanosta-8,24-dien-3-ol,3-acetate	Carbonic anhydrase II	CA2	Swisstargetprediction

Supplementary Table 3 Information of 66 SZY-SONFH common targets

NO.	Targets	Protein name	Protein Category	UniProt ID
1	TP53	Tumor Protein P53	Protein Coding	P04637
2	EGFR	Epidermal Growth Factor Receptor	Protein Coding	P00533
3	TNF	Tumor Necrosis Factor	Protein Coding	P01375
4	CREBBP	CREB Binding Protein	Protein Coding	Q92793
5	EP300	E1A Binding Protein P300	Protein Coding	Q09472
6	MTOR	Mechanistic Target Of Rapamycin Kinase	Protein Coding	P42345
7	TGFB1	Transforming Growth Factor Beta 1	Protein Coding	P01137
8	ESR1	Estrogen Receptor 1	Protein Coding	P03372
9	FGFR1	Fibroblast Growth Factor Receptor 1	Protein Coding	P11362
10	TERT	Telomerase Reverse Transcriptase	Protein Coding	O14746
11	PPARG	Peroxisome Proliferator Activated Receptor Gamma	Protein Coding	P37231
12	F2	Coagulation Factor II, Thrombin	Protein Coding	P00734
13	MMP9	Matrix Metallopeptidase 9	Protein Coding	P14780
14	VDR	Vitamin D Receptor	Protein Coding	P11473
15	MMP2	Matrix Metallopeptidase 2	Protein Coding	P08253
16	ABCB1	ATP Binding Cassette Subfamily B Member 1	Protein Coding	P08183
17	APOB	Apolipoprotein B	Protein Coding	P04114
18	HIF1A	Hypoxia Inducible Factor 1 Subunit Alpha	Protein Coding	Q16665
19	SRC	SRC Proto-Oncogene, Non-Receptor Tyrosine Kinase	Protein Coding	P12931
20	KDR	Kinase Insert Domain Receptor	Protein Coding	P35968
21	SERPINE1	Serpin Family E Member 1	Protein Coding	P05121
22	NTRK1	Neurotrophic Receptor Tyrosine Kinase 1	Protein Coding	P04629
23	TGFB1	Transforming Growth Factor Beta Receptor 1	Protein Coding	P36897
24	CASP3	Caspase 3	Protein Coding	P42574
25	NR3C1	Nuclear Receptor Subfamily 3 Group C Member 1	Protein Coding	P04150
26	CYP3A4	Cytochrome P450 Family 3 Subfamily A Member 4	Protein Coding	P08684
27	BAX	BCL2 Associated X, Apoptosis Regulator	Protein Coding	Q07812
28	TYMS	Thymidylate Synthetase	Protein Coding	P04818
29	PLG	Plasminogen	Protein Coding	P00747
30	NOS2	Nitric Oxide Synthase 2	Protein Coding	P35228
31	CYP19A1	Cytochrome P450 Family 19 Subfamily A Member 1	Protein Coding	P11511
32	IL6ST	Interleukin 6 Cytokine Family Signal Transducer	Protein Coding	P40189
33	IGFBP3	Insulin Like Growth Factor Binding Protein 3	Protein Coding	P17936
34	PON1	Paraoxonase 1	Protein Coding	P27169
35	MMP14	Matrix Metallopeptidase 14	Protein Coding	P50281
36	MMP3	Matrix Metallopeptidase 3	Protein Coding	P08254
37	PARP1	Poly(ADP-Ribose) Polymerase 1	Protein Coding	P09874
38	MMP13	Matrix Metallopeptidase 13	Protein Coding	P45452
39	LRRK2	Leucine Rich Repeat Kinase 2	Protein Coding	Q5S007
40	MPO	Myeloperoxidase	Protein Coding	P05164
41	CTSK	Cathepsin K	Protein Coding	P43235
42	CTSD	Cathepsin D	Protein Coding	P07339
43	SIRT1	Sirtuin 1	Protein Coding	Q96EB6
44	NOS1	Nitric Oxide Synthase 1	Protein Coding	P29475
45	GSK3B	Glycogen Synthase Kinase 3 Beta	Protein Coding	P49841
46	RIPK1	Receptor Interacting Serine/Threonine Kinase 1	Protein Coding	Q13546
47	RBP4	Retinol Binding Protein 4	Protein Coding	P02753
48	ALDH2	Aldehyde Dehydrogenase 2 Family Member	Protein Coding	P05091
49	PRKCZ	Protein Kinase C Zeta	Protein Coding	Q05513
50	OPRM1	Opioid Receptor Mu 1	Protein Coding	P35372
51	MMP8	Matrix Metallopeptidase 8	Protein Coding	P22894
52	CCR1	C-C Motif Chemokine Receptor 1	Protein Coding	P32246
53	HSD11B2	Hydroxysteroid 11-Beta Dehydrogenase 2	Protein Coding	P80365
54	HSD11B1	Hydroxysteroid 11-Beta Dehydrogenase 1	Protein Coding	P28845
55	SREBF2	Sterol Regulatory Element Binding Transcription Factor 2	Protein Coding	Q12772

56	NCOA2	Nuclear Receptor Coactivator 2	Protein Coding	Q15596
57	PTPN6	Protein Tyrosine Phosphatase Non-Receptor Type 6	Protein Coding	P29350
58	CNR2	Cannabinoid Receptor 2	Protein Coding	P34972
59	PTPRF	Protein Tyrosine Phosphatase Receptor Type F	Protein Coding	P10586
60	MDM4	MDM4 Regulator Of P53	Protein Coding	O15151
61	IKBKE	Inhibitor Of Nuclear Factor Kappa B Kinase Subunit Epsilon	Protein Coding	Q14164
62	OXTR	Oxytocin Receptor	Protein Coding	P30559
63	PTPRS	Protein Tyrosine Phosphatase Receptor Type S	Protein Coding	Q13332
64	ABCG2	ATP Binding Cassette Subfamily G Member 2	Protein Coding	Q9UNQ0
65	ESR2	Estrogen Receptor 2	Protein Coding	Q92731
66	ABCC1	ATP Binding Cassette Subfamily C Member 1	Protein Coding	P33527

Supplementary Table 4 Results of the biological process category terms from GO enrichment analysis												
Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Td	fold Enrichment	Benjamini	Benjamini	FDR
GOTERM	GO:1902895~positive regulation of pri-miRNA transcription from RNA polymerase II promoter	9	13.63636	7.83E-12	TGFB1, TERT, PPARG, NR3C1, HIF1A, TNF, TP53, SREBF2, EGFR	66	53	19453	50.0506	1.38E-08	1.38E-08	1.27E-08
GOTERM	GO:0043066~negative regulation of apoptotic process	17	25.75758	1.84E-11	NTRK1, GSK3B, SRC, MPO, SIRT1, TNF, PRKCZ, MMP9, EGFR, TGFB1, MTOR, CASP3, KDR, RIPK1, MDM4, IL6ST, TP53	66	540	19453	9.278928	3.25E-08	1.62E-08	1.49E-08
GOTERM	GO:0043065~positive regulation of apoptotic process	14	21.21212	7.08E-11	TGFB1, SRC, MMP2, IGFBP3, SIRT1, TNF, MMP9, TGFB1, CASP3, BAX, RIPK1, PPARG, CTSD, TP53	66	336	19453	12.28093	1.25E-07	4.16E-08	3.83E-08
GOTERM	GO:0009410~response to xenobiotic stimulus	13	19.69697	1.13E-10	NTRK1, ABCC1, OXTR, TGFB1, ABCB1, SRC, MMP2, TYMS, TNF, HSD11B2, CASP3, PPARG, TP53	66	277	19453	13.83268	1.99E-07	4.97E-08	4.57E-08
GOTERM	GO:0022617~extracellular matrix disassembly	8	12.12121	1.61E-10	MMP14, MMP13, MMP2, CTSK, MMP3, PLG, MMP8, MMP9	66	46	19453	51.25955	2.84E-07	5.68E-08	5.23E-08
GOTERM	GO:0001666~response to hypoxia	11	16.66667	3.31E-10	HSD11B2, MMP14, CREBBP, TGFB1, NOS2, CASP3, MMP2, EP300, NOS1, HIF1A, TNF	66	176	19453	18.4214	5.84E-07	9.74E-08	8.95E-08
GOTERM	GO:0051897~positive regulation of protein kinase B signaling	11	16.66667	5.40E-10	NTRK1, TGFB1, SRC, KDR, PTPN6, SIRT1, TNF, EGFR, TGFB1, MTOR, FGFR1	66	185	19453	17.52523	9.52E-07	1.26E-07	1.16E-07
GOTERM	GO:0010629~negative regulation of gene expression	13	19.69697	5.70E-10	CCR1, GSK3B, TGFB1, NOS2, SRC, MMP8, HIF1A, ESR1, SIRT1, TNF, TERT, KDR, PPARG	66	319	19453	12.01145	1E-06	1.26E-07	1.16E-07
GOTERM	GO:0030574~collagen catabolic process	7	10.60606	4.51E-09	MMP14, MMP13, MMP2, CTSK, MMP3, MMP8, MMP9	66	41	19453	50.32188	7.95E-06	8.84E-07	8.12E-07
GOTERM	GO:0014068~positive regulation of phosphatidylinositol	8	12.12121	8.00E-09	NTRK1, SRC, KDR, PTPN6, F2, SIRT1, TNF,	66	79	19453	29.84733	1.41E-05	1.41E-06	1.30E-06
GOTERM	GO:0071456~cellular response to hypoxia	9	13.63636	1.49E-08	TGFB1, TERT, SRC, MDM4, PPARG, HIF1A, SIRT1, TP53, MTOR	66	134	19453	19.79613	2.63E-05	2.39E-06	2.2E-06
GOTERM	GO:1903799~negative regulation of production of miRNAs involved in gene silencing by	5	7.575758	3.68E-08	TGFB1, TERT, ESR1, TNF, TP53	66	11	19453	133.9738	6.49E-05	5.41E-06	4.97E-06
GOTERM	GO:0001934~positive regulation of protein phosphorylation	10	15.15152	5.98E-08	NTRK1, TGFB1, LRRK2, KDR, RIPK1, F2, SIRT1, TNF, MMP9, EGFR	66	226	19453	13.0417	0.000105	8.11E-06	7.46E-06

GOTERM	GO:0046777~protein autophosphorylation	9	13.63636	1.61E-07	NTRK1, GSK3B, SRC, LRRK2, KDR, RIPK1, EGFR, MTOR, FGFR1	66	182	19453	14.57517	0.000284	2.03E-05	1.87E-05
GOTERM	GO:0045944~positive regulation of transcription from RNA polymerase II promoter	18	27.27273	3.89E-07	NCOA2, CREBBP, TGFB1, PARP1, VDR, NR3C1, HIF1A, ESR1, SIRT1, TNF, SREBF2, EGFR, ESR2, EP300, RIPK1, PPARG, NOS1, TP53	66	1232	19453	4.306302	0.000687	4.58E-05	4.21E-05
GOTERM	GO:1900034~regulation of cellular response to heat	5	7.575758	5.28E-07	GSK3B, CREBBP, EP300, SIRT1, MTOR	66	20	19453	73.68561	0.000931	5.82E-05	5.36E-05
GOTERM	GO:0043536~positive regulation of blood vessel endothelial cell migration	6	9.090909	6.06E-07	TGFB1, KDR, PLG, HIF1A, SIRT1, FGFR1	66	49	19453	36.09091	0.001069	6.29E-05	5.78E-05
GOTERM	GO:0000165~MAPK cascade	8	12.12121	9.17E-07	TGFB1, LRRK2, IGFBP3, PTPN6, RIPK1, TNF, EGFR, FGFR1	66	157	19453	15.01872	0.001616	8.87E-05	8.16E-05
GOTERM	GO:0070374~positive regulation of ERK1 and ERK2 cascade	9	13.63636	9.56E-07	NTRK1, CCR1, TGFB1, SRC, KDR, OPRM1, TNF, PRKCZ, EGFR	66	230	19453	11.5334	0.001684	8.87E-05	8.16E-05
GOTERM	GO:0010628~positive regulation of gene expression	12	18.18182	1.07E-06	GSK3B, TGFB1, VDR, RIPK1, PPARG, APOB, MMP8, HIF1A, TNF, TP53, TGFB1, MTOR	66	519	19453	6.814854	0.001881	9.41E-05	8.66E-05
GOTERM	GO:0018108~peptidyl-tyrosine phosphorylation	6	9.090909	1.42E-06	NTRK1, SRC, KDR, PTPN6, EGFR, FGFR1	66	58	19453	30.4906	0.002508	0.00012	0.00011
GOTERM	GO:0043525~positive regulation of neuron apoptotic	6	9.090909	1.99E-06	CASP3, BAX, RIPK1, NR3C1, TNF, TP53	66	62	19453	28.52346	0.003503	0.000155	0.000143
GOTERM	GO:0006468~protein phosphorylation	11	16.66667	2.02E-06	NTRK1, GSK3B, TGFB1, SRC, LRRK2, IGFBP3, PRKCZ, IKBKE, TGFB1, MTOR, FGFR1	66	444	19453	7.302177	0.003559	0.000155	0.000143
GOTERM	GO:0006508~proteolysis	11	16.66667	2.67E-06	MMP14, MMP13, CASP3, MMP2, CTSK, MMP3, PLG, F2, MMP8, CTSD, MMP9	66	458	19453	7.078967	0.004693	0.000196	0.00018
GOTERM	GO:0007623~circadian rhythm	6	9.090909	3.91E-06	NTRK1, GSK3B, NOS2, EP300, TYMS, TNF	66	71	19453	24.90781	0.006876	0.000276	0.000254
GOTERM	GO:0045893~positive regulation of transcription, DNA-templated	13	19.69697	4.49E-06	CREBBP, TGFB1, SRC, HIF1A, ESR1, TNF, EGFR, TGFB1, ESR2, EP300, PPARG, NOS1, TP53	66	728	19453	5.263258	0.007891	0.000305	0.00028
GOTERM	GO:0000122~negative regulation of transcription from RNA polymerase II promoter	15	22.72727	5.16E-06	NCOA2, CREBBP, TGFB1, PARP1, VDR, NR3C1, ESR1, SIRT1, TNF, SREBF2, ESR2, EP300, MDM4, PPARG, TP53	66	1016	19453	4.351512	0.009058	0.000337	0.00031
GOTERM	GO:0043406~positive regulation of MAP kinase activity	6	9.090909	5.84E-06	TGFB1, SRC, LRRK2, TNF, EGFR, FGFR1	66	77	19453	22.96694	0.010257	0.000368	0.000339
GOTERM	GO:0048511~rhythmic process	6	9.090909	7.5E-06	GSK3B, CREBBP, EP300, PPARG, TP53, MTOR	66	81	19453	21.83277	0.013147	0.000451	0.000415

GOTERM	GO:1903800~positive regulation of production of miRNAs involved in gene silencing by miRNA	4	6.060606	7.67E-06	TGFB1, RIPK1, TP53, EGFR	66	12	19453	98.24747	0.013433	0.000451	0.000415
GOTERM	GO:0007507~heart development	8	12.12121	8.84E-06	OXTR, RBP4, TGFB1, CASP3, MMP2, EP300, PPARG, TGFB1	66	221	19453	10.66941	0.015472	0.000503	0.000463
GOTERM	GO:1900182~positive regulation of protein localization to nucleus	5	7.575758	9.48E-06	CREBBP, TGFB1, PARP1, SRC, F2	66	40	19453	36.8428	0.016579	0.000522	0.00048
GOTERM	GO:0032496~response to lipopolysaccharide	7	10.60606	1.04E-05	CNR2, NOS2, CASP3, NOS1, OPRM1, APOB, MPO	66	149	19453	13.84696	0.018163	0.000555	0.000511
GOTERM	GO:0043068~positive regulation of programmed cell death	4	6.060606	1.26E-05	NTRK1, LRRK2, RIPK1, TNF	66	14	19453	84.21212	0.022024	0.000655	0.000602
GOTERM	GO:1904645~response to beta-amyloid	4	6.060606	1.57E-05	MMP13, MMP2, MMP3, MMP9	66	15	19453	78.59798	0.027389	0.000793	0.00073
GOTERM	GO:0043524~negative regulation of neuron apoptotic	7	10.60606	1.73E-05	NTRK1, TERT, KDR, BAX, IL6ST, HIF1A, SIRT1	66	163	19453	12.65765	0.030101	0.000849	0.000781
GOTERM	GO:0032355~response to estradiol	6	9.090909	2.2E-05	OXTR, TGFB1, CASP3, APOB, ESR1, CYP19A1	66	101	19453	17.50945	0.038119	0.00105	0.000966
GOTERM	GO:0043410~positive regulation of MAPK cascade	7	10.60606	2.35E-05	NTRK1, IGFBP3, KDR, MMP8, TNF, TGFB1, FGFR1	66	172	19453	11.99533	0.040576	0.00109	0.001002
GOTERM	GO:0007179~transforming growth factor beta receptor signaling pathway	6	9.090909	2.42E-05	TGFB1, PARP1, SRC, SIRT1, TP53, TGFB1	66	103	19453	17.16946	0.041833	0.001096	0.001008
GOTERM	GO:0097191~extrinsic apoptotic signaling pathway	5	7.575758	2.72E-05	GSK3B, TGFB1, BAX, RIPK1, TNF	66	52	19453	28.34062	0.04692	0.001148	0.001056
GOTERM	GO:0031648~protein destabilization	5	7.575758	2.72E-05	CREBBP, SRC, EP300, SIRT1, MTOR	66	52	19453	28.34062	0.04692	0.001148	0.001056
GOTERM	GO:0060065~uterus development	4	6.060606	2.8E-05	RBP4, SRC, ESR1, CYP19A1	66	18	19453	65.49832	0.048246	0.001148	0.001056
GOTERM	GO:0034614~cellular response to reactive oxygen species	5	7.575758	2.94E-05	MMP2, LRRK2, MMP3, MMP9, EGFR	66	53	19453	27.80589	0.050528	0.001148	0.001056
GOTERM	GO:0001837~epithelial to mesenchymal transition	5	7.575758	2.94E-05	GSK3B, TGFB1, HIF1A, TGFB1, FGFR1	66	53	19453	27.80589	0.050528	0.001148	0.001056
GOTERM	GO:0031667~response to nutrient levels	5	7.575758	2.94E-05	NTRK1, SRC, PON1, TNF, MTOR	66	53	19453	27.80589	0.050528	0.001148	0.001056
GOTERM	GO:0030335~positive regulation of cell migration	8	12.12121	2.99E-05	CCR1, MMP14, TGFB1, MMP2, KDR, MMP9, EGFR, TGFB1	66	267	19453	8.831234	0.051448	0.001148	0.001056
GOTERM	GO:1904707~positive regulation of vascular smooth muscle cell proliferation	5	7.575758	3.41E-05	TERT, SRC, MMP2, TNF, MMP9	66	55	19453	26.79477	0.058318	0.001235	0.001136
GOTERM	GO:0031334~positive regulation of protein complex assembly	5	7.575758	3.41E-05	GSK3B, TGFB1, MMP3, BAX, TNF	66	55	19453	26.79477	0.058318	0.001235	0.001136
GOTERM	GO:0018105~peptidyl-serine phosphorylation	7	10.60606	3.43E-05	GSK3B, SRC, LRRK2, PRKCZ, IKBKE, TGFB1, MTOR	66	184	19453	11.21303	0.058732	0.001235	0.001136
GOTERM	GO:0006915~apoptotic process	11	16.66667	3.66E-05	PARP1, CASP3, CTSK, IGFBP3, EP300, BAX, RIPK1, NR3C1, TP53, MMP9, TGFB1	66	619	19453	5.237749	0.062494	0.001291	0.001187

GOTERM	GO:0030198~extracellular matrix organization	7	10.60606	4.11E-05	MMP14, MMP13, MMP2, MMP3, MMP8, TNF, MMP9	66	190	19453	10.85893	0.069873	0.00142	0.001306
GOTERM	GO:0009612~response to mechanical stimulus	5	7.575758	4.5E-05	MMP14, SRC, MMP2, PPARG, MPO	66	59	19453	24.97817	0.076317	0.001527	0.001404
GOTERM	GO:0051091~positive regulation of sequence-specific DNA binding transcription factor activity	6	9.090909	4.66E-05	EP300, PPARG, ESR1, TNF, IKBKE, ESR2	66	118	19453	14.9869	0.078898	0.001551	0.001426
GOTERM	GO:0034644~cellular response to UV	5	7.575758	5.13E-05	CREBBP, PARP1, EP300, BAX, TP53	66	61	19453	24.15922	0.086591	0.001651	0.001518
GOTERM	GO:0071222~cellular response to lipopolysaccharide	7	10.60606	5.17E-05	NOS2, SRC, MMP3, SERPINE1, MMP8, TNF,	66	198	19453	10.42019	0.087128	0.001651	0.001518
GOTERM	GO:0038083~peptidyl-tyrosine autophosphorylation	4	6.060606	5.24E-05	NTRK1, SRC, KDR, EGFR	66	22	19453	53.58953	0.088293	0.001651	0.001518
GOTERM	GO:0043627~response to estrogen	5	7.575758	5.83E-05	MMP14, MMP2, EP300, PPARG, ESR1	66	63	19453	23.39226	0.097752	0.001805	0.001659
GOTERM	GO:0006979~response to oxidative stress	6	9.090909	6.13E-05	MMP14, LRRK2, RIPK1, MPO, SIRT1, TP53	66	125	19453	14.14764	0.102558	0.001866	0.001715
GOTERM	GO:0051000~positive regulation of nitric-oxide synthase activity	4	6.060606	7.77E-05	TERT, HIF1A, ESR1, TNF	66	25	19453	47.15879	0.128091	0.002277	0.002094
GOTERM	GO:0007611~learning or memory	5	7.575758	7.87E-05	NTRK1, SRC, CASP3, EP300, EGFR	66	68	19453	21.67224	0.129676	0.002277	0.002094
GOTERM	GO:0008284~positive regulation of cell proliferation	10	15.15152	7.88E-05	TGFB1, KDR, PTPN6, F2, IL6ST, SIRT1, PRKCZ, EGFR, TGFB1, FGFR1	66	545	19453	5.408118	0.129709	0.002277	0.002094
GOTERM	GO:1902894~negative regulation of pri-miRNA transcription from RNA polymerase II promoter	4	6.060606	9.83E-05	TGFB1, PPARG, HIF1A, ESR1	66	27	19453	43.66554	0.159274	0.002757	0.002535
GOTERM	GO:1901224~positive regulation of NIK/NF-kappaB signaling	5	7.575758	9.85E-05	EP300, RIPK1, MMP8, TNF, EGFR	66	72	19453	20.46822	0.15946	0.002757	0.002535
GOTERM	GO:0060391~positive regulation of SMAD protein import into nucleus	4	6.060606	0.00011	TGFB1, PARP1, PPARG, TGFB1	66	28	19453	42.10606	0.176215	0.003029	0.002785
GOTERM	GO:0045892~negative regulation of transcription, DNA-templated	10	15.15152	0.000146	TGFB1, PARP1, SRC, VDR, MDM4, PPARG, NR3C1, SIRT1, TNF, TP53	66	591	19453	4.987181	0.226411	0.003924	0.003608
GOTERM	GO:0008285~negative regulation of cell proliferation	9	13.63636	0.000147	NTRK1, TGFB1, VDR, IGFBP3, PTPN6, MDM4, PLG, OPRM1, TP53	66	462	19453	5.741736	0.228189	0.003924	0.003608
GOTERM	GO:0035987~endodermal cell differentiation	4	6.060606	0.00015	MMP14, MMP2, MMP8, MMP9	66	31	19453	38.03128	0.232091	0.003941	0.003624
GOTERM	GO:0051402~neuronal apoptotic process	5	7.575758	0.000163	NTRK1, CASP3, BAX, HIF1A, TP53	66	82	19453	17.9721	0.250271	0.00412	0.003788
GOTERM	GO:0051222~positive regulation of protein transport	3	4.545455	0.000163	SRC, TNF, PRKCZ	66	6	19453	147.3712	0.250548	0.00412	0.003788
GOTERM	GO:1990962~drug transport across blood-brain barrier	3	4.545455	0.000163	ABCC1, ABCB1, ABCG2	66	6	19453	147.3712	0.250548	0.00412	0.003788
GOTERM	GO:0051092~positive regulation of NF-kappaB transcription factor activity	6	9.090909	0.00022	NTRK1, TGFB1, EP300, RIPK1, TNF, PRKCZ	66	164	19453	10.78326	0.321688	0.005466	0.005026

GOTERM	GO:0045766~positive regulation of angiogenesis	6	9.090909	0.000233	NTRK1, TERT, SERPINE1, KDR, HIF1A, SIRT1	66	166	19453	10.65334	0.33675	0.005678	0.005221
GOTERM	GO:0032570~response to progesterone	4	6.060606	0.000235	NCOA2, OXTR, TGFB1, TYMS	66	36	19453	32.74916	0.339346	0.005678	0.005221
GOTERM	GO:0030307~positive regulation of cell growth	5	7.575758	0.000254	MMP14, F2, EGFR, TGFB1, MTOR	66	92	19453	16.01861	0.361619	0.006064	0.005576
GOTERM	GO:0031333~negative regulation of protein complex assembly	4	6.060606	0.000276	GSK3B, SRC, EP300, PRKCZ	66	38	19453	31.02552	0.385807	0.006498	0.005975
GOTERM	GO:0010742~macrophage derived foam cell differentiation	3	4.545455	0.000304	TGFB1, EP300, PPARG	66	8	19453	110.5284	0.414967	0.007053	0.006485
GOTERM	GO:0071392~cellular response to estradiol stimulus	4	6.060606	0.000322	MMP2, ESR1, EGFR, ESR2	66	40	19453	29.47424	0.433445	0.007378	0.006784
GOTERM	GO:0016477~cell migration	7	10.60606	0.000329	TGFB1, MMP2, KDR, PRKCZ, MMP9, PTPRF, FGFR1	66	278	19453	7.421572	0.440214	0.007437	0.006839
GOTERM	GO:0001541~ovarian follicle development	4	6.060606	0.000372	MMP14, MMP2, KDR, BAX	66	42	19453	28.07071	0.481633	0.008316	0.007646
GOTERM	GO:0032869~cellular response to insulin stimulus	5	7.575758	0.000437	PARP1, SRC, PPARG, PRKCZ, MTOR	66	106	19453	13.90294	0.53727	0.009631	0.008855
GOTERM	GO:0070633~trans epithelial transport	3	4.545455	0.000486	ABCC1, ABCB1, ABCG2	66	10	19453	88.42273	0.575964	0.010243	0.009419
GOTERM	GO:1904179~positive regulation of adipose tissue development	3	4.545455	0.000486	NCOA2, PPARG, SIRT1	66	10	19453	88.42273	0.575964	0.010243	0.009419
GOTERM	GO:0060068~vagina development	3	4.545455	0.000486	RBP4, BAX, ESR1	66	10	19453	88.42273	0.575964	0.010243	0.009419
GOTERM	GO:1904646~cellular response to beta-amyloid	4	6.060606	0.000488	GSK3B, ABCC1, PARP1, TNF	66	46	19453	25.62978	0.577116	0.010243	0.009419
GOTERM	GO:0045429~positive regulation of nitric oxide biosynthetic process	4	6.060606	0.00052	OPRM1, MMP8, ESR1, TNF	66	47	19453	25.08446	0.600351	0.010787	0.009919
GOTERM	GO:0050729~positive regulation of inflammatory response	5	7.575758	0.000575	ABCC1, TGFB1, SERPINE1, RIPK1, TNF	66	114	19453	12.9273	0.637505	0.011623	0.010687
GOTERM	GO:0048771~tissue remodeling	3	4.545455	0.000593	MMP14, MMP2, PLG	66	11	19453	80.3843	0.648795	0.011623	0.010687
GOTERM	GO:0051974~negative regulation of telomerase activity	3	4.545455	0.000593	SRC, PPARG, TP53	66	11	19453	80.3843	0.648795	0.011623	0.010687
GOTERM	GO:0009651~response to salt stress	3	4.545455	0.000593	BAX, TNF, TP53	66	11	19453	80.3843	0.648795	0.011623	0.010687
GOTERM	GO:0071492~cellular response to UV-A	3	4.545455	0.000593	MMP2, MMP3, MMP9	66	11	19453	80.3843	0.648795	0.011623	0.010687
GOTERM	GO:0006954~inflammatory response	8	12.12121	0.000615	CCR1, TGFB1, CNR2, NOS2, RIPK1, TNF, PRKCZ, MTOR	66	436	19453	5.408118	0.662071	0.011919	0.010959
GOTERM	GO:0048013~ephrin receptor signaling pathway	4	6.060606	0.000624	NTRK1, SRC, MMP2, MMP9	66	50	19453	23.57939	0.667395	0.011961	0.010999
GOTERM	GO:0030308~negative regulation of cell growth	5	7.575758	0.000837	TGFB1, PPARG, SIRT1, TP53, ESR2	66	126	19453	11.69613	0.771774	0.015549	0.014297
GOTERM	GO:0030518~intracellular steroid hormone receptor signaling pathway	3	4.545455	0.000837	NR3C1, ESR1, ESR2	66	13	19453	68.01748	0.771851	0.015549	0.014297
GOTERM	GO:0051918~negative regulation of fibrinolysis	3	4.545455	0.000837	SERPINE1, PLG, F2	66	13	19453	68.01748	0.771851	0.015549	0.014297
GOTERM	GO:0048011~neurotrophin TRK receptor signaling pathway	3	4.545455	0.000975	NTRK1, SRC, CASP3	66	14	19453	63.15909	0.821015	0.017913	0.016471

GOTERM	GO:0001501~skeletal system development	5	7.575758	0.001053	MMP14, VDR, MMP9, TGFB1, FGFR1	66	134	19453	10.99785	0.844045	0.019144	0.017603
GOTERM	GO:0051384~response to glucocorticoid	4	6.060606	0.001064	HSD11B2, CASP3, TYMS, TNF	66	60	19453	19.64949	0.846974	0.019144	0.017603
GOTERM	GO:0007169~transmembrane receptor protein tyrosine kinase signaling pathway	5	7.575758	0.001143	NTRK1, SRC, KDR, EGFR, FGFR1	66	137	19453	10.75702	0.86698	0.020365	0.018725
GOTERM	GO:0071356~cellular response to tumor necrosis factor	5	7.575758	0.001238	CTSK, LRRK2, RIPK1, APOB, SIRT1	66	140	19453	10.52652	0.887597	0.021843	0.020085
GOTERM	GO:0090399~replicative senescence	3	4.545455	0.00128	TERT, SERPINE1, TP53	66	16	19453	55.2642	0.895578	0.022183	0.020397
GOTERM	GO:0071230~cellular response to amino acid stimulus	4	6.060606	0.001283	MMP2, TNF, EGFR, MTOR	66	64	19453	18.4214	0.896078	0.022183	0.020397
GOTERM	GO:0032757~positive regulation of interleukin-8 production	4	6.060606	0.001342	NOS2, SERPINE1, RIPK1, TNF	66	65	19453	18.138	0.906342	0.022976	0.021126
GOTERM	GO:0007275~multicellular organism development	5	7.575758	0.001374	NTRK1, VDR, KDR, EGFR, FGFR1	66	144	19453	10.23411	0.911542	0.023303	0.021428
GOTERM	GO:0007568~aging	5	7.575758	0.001482	NTRK1, TGFB1, MMP2, TYMS, MPO	66	147	19453	10.02525	0.926945	0.024901	0.022897
GOTERM	GO:0001525~angiogenesis	6	9.090909	0.00162	MMP14, MMP2, SERPINE1, KDR, HIF1A, SIRT1	66	255	19453	6.935116	0.942733	0.02696	0.024789
GOTERM	GO:0071560~cellular response to transforming growth factor beta stimulus	4	6.060606	0.001661	TGFB1, CTSK, NR3C1, TGFB1	66	70	19453	16.84242	0.946771	0.02739	0.025185
GOTERM	GO:0018107~peptidyl-threonine phosphorylation	4	6.060606	0.001802	GSK3B, LRRK2, TGFB1, MTOR	66	72	19453	16.37458	0.958448	0.029061	0.026722
GOTERM	GO:0033674~positive regulation of kinase activity	4	6.060606	0.001802	NTRK1, KDR, EGFR, FGFR1	66	72	19453	16.37458	0.958448	0.029061	0.026722
GOTERM	GO:0042730~fibrinolysis	3	4.545455	0.001812	SERPINE1, PLG, F2	66	19	19453	46.53828	0.959223	0.029061	0.026722
GOTERM	GO:0032092~positive regulation of protein binding	4	6.060606	0.001949	GSK3B, TERT, LRRK2, EP300	66	74	19453	15.93202	0.967973	0.030971	0.028478
GOTERM	GO:0031065~positive regulation of histone deacetylation	3	4.545455	0.002009	TGFB1, SIRT1, TP53	66	20	19453	44.21136	0.971214	0.031338	0.028816
GOTERM	GO:0030220~platelet formation	3	4.545455	0.002009	CASP3, EP300, PTPN6	66	20	19453	44.21136	0.971214	0.031338	0.028816
GOTERM	GO:0030163~protein catabolic process	4	6.060606	0.002025	CASP3, MMP2, RIPK1, MTOR	66	75	19453	15.7196	0.972018	0.031338	0.028816
GOTERM	GO:0009611~response to wounding	4	6.060606	0.002104	CCR1, TGFB1, CASP3, F2	66	76	19453	15.51276	0.975632	0.031988	0.029413
GOTERM	GO:0032868~response to insulin	4	6.060606	0.002104	HSD11B2, CTSK, SIRT1, MTOR	66	76	19453	15.51276	0.975632	0.031988	0.029413
GOTERM	GO:0001938~positive regulation of endothelial cell proliferation	4	6.060606	0.002266	KDR, HIF1A, SIRT1, TGFB1	66	78	19453	15.115	0.981702	0.034158	0.031408
GOTERM	GO:0009267~cellular response to starvation	4	6.060606	0.002349	LRRK2, SIRT1, SREBF2, MTOR	66	79	19453	14.92367	0.984223	0.035122	0.032294
GOTERM	GO:0046628~positive regulation of insulin receptor signaling pathway	3	4.545455	0.002432	SRC, SIRT1, PRKCZ	66	22	19453	40.19215	0.986375	0.035797	0.032915
GOTERM	GO:0002244~hematopoietic progenitor cell differentiation	4	6.060606	0.002435	TGFB1, KDR, PTPN6, TP53	66	80	19453	14.73712	0.986443	0.035797	0.032915
GOTERM	GO:0030324~lung development	4	6.060606	0.002704	HSD11B1, MMP14, RBP4, EP300	66	83	19453	14.20445	0.991573	0.03942	0.036247
GOTERM	GO:0071404~cellular response to low-density lipoprotein particle stimulus	3	4.545455	0.002894	TGFB1, PPARG, SREBF2	66	24	19453	36.8428	0.993975	0.041165	0.037851

GOTERM	GO:2000378~negative regulation of reactive oxygen species metabolic process	3	4.545455	0.002894	MMP3, HIF1A, TP53	66	24	19453	36.8428	0.993975	0.041165	0.037851
GOTERM	GO:0010906~regulation of glucose metabolic process	3	4.545455	0.002894	NCOA2, IGFBP3, SIRT1	66	24	19453	36.8428	0.993975	0.041165	0.037851
GOTERM	GO:0008203~cholesterol metabolic process	4	6.060606	0.00299	PON1, APOB, CYP3A4, SREBF2	66	86	19453	13.70895	0.994923	0.042201	0.038804
GOTERM	GO:0009314~response to radiation	3	4.545455	0.003139	NTRK1, OPRM1, TNF	66	25	19453	35.36909	0.996093	0.04394	0.040402
GOTERM	GO:0051896~regulation of protein kinase B signaling	3	4.545455	0.003393	NTRK1, EGFR, MTOR	66	26	19453	34.00874	0.997509	0.047125	0.043331
GOTERM	GO:0090200~positive regulation of release of cytochrome c from mitochondria	3	4.545455	0.003656	BAX, TP53, MMP9	66	27	19453	32.74916	0.998438	0.049235	0.045272
GOTERM	GO:0046716~muscle cell cellular homeostasis	3	4.545455	0.003656	TGFB1, PLG, HIF1A	66	27	19453	32.74916	0.998438	0.049235	0.045272
GOTERM	GO:0032094~response to food	3	4.545455	0.003656	HSD11B2, OPRM1, MPO	66	27	19453	32.74916	0.998438	0.049235	0.045272
GOTERM	GO:0010875~positive regulation of cholesterol efflux	3	4.545455	0.003656	PON1, PPARG, SIRT1	66	27	19453	32.74916	0.998438	0.049235	0.045272
GOTERM	GO:0033138~positive regulation of peptidyl-serine phosphorylation	4	6.060606	0.00373	TGFB1, NOS1, TNF, EGFR	66	93	19453	12.67709	0.998628	0.04984	0.045828
GOTERM	GO:0007165~signal transduction	12	18.18182	0.003766	GSK3B, CREBBP, SRC, LRRK2, PPARG, NR3C1, HIF1A, ESR1, PRKCZ, EGFR, ESR2, TGFB1	66	1307	19453	2.706128	0.998714	0.049953	0.045932
GOTERM	GO:0010332~response to gamma radiation	3	4.545455	0.003929	PARP1, BAX, TP53	66	28	19453	31.57955	0.999036	0.051724	0.04756
GOTERM	GO:0098586~cellular response to virus	4	6.060606	0.003959	TGFB1, BAX, HIF1A, IKBKE	66	95	19453	12.41021	0.999086	0.051735	0.04757
GOTERM	GO:0050731~positive regulation of peptidyl-tyrosine phosphorylation	4	6.060606	0.004077	TGFB1, SRC, TP53, MTOR	66	96	19453	12.28093	0.999259	0.052886	0.048629
GOTERM	GO:0042060~wound healing	4	6.060606	0.00432	TGFB1, CASP3, OPRM1, TGFB1	66	98	19453	12.0303	0.999518	0.055622	0.051145
GOTERM	GO:0035556~intracellular signal transduction	7	10.60606	0.004397	GSK3B, SRC, LRRK2, PTPN6, RIPK1, PRKCZ, TGFB1	66	462	19453	4.465794	0.99958	0.05621	0.051686
GOTERM	GO:0035335~peptidyl-tyrosine dephosphorylation	3	4.545455	0.004502	PTPRS, PTPN6, PTPRF	66	30	19453	29.47424	0.999651	0.057136	0.052537
GOTERM	GO:0010575~positive regulation of vascular endothelial growth factor production	3	4.545455	0.004802	TGFB1, IL6ST, HIF1A	66	31	19453	28.52346	0.999795	0.060081	0.055245
GOTERM	GO:0032148~activation of protein kinase B activity	3	4.545455	0.004802	SRC, PRKCZ, MTOR	66	31	19453	28.52346	0.999795	0.060081	0.055245
GOTERM	GO:0007166~cell surface receptor signaling pathway	6	9.090909	0.00484	CCR1, OXTR, F2, TNF, PRKCZ, EGFR	66	329	19453	5.375242	0.999808	0.060122	0.055283
GOTERM	GO:0060325~face morphogenesis	3	4.545455	0.005112	TGFB1, MMP2, EP300	66	32	19453	27.6321	0.999881	0.062185	0.057179
GOTERM	GO:0051602~response to electrical stimulus	3	4.545455	0.005112	NTRK1, SRC, MMP2	66	32	19453	27.6321	0.999881	0.062185	0.057179
GOTERM	GO:0030225~macrophage differentiation	3	4.545455	0.005112	PARP1, SIRT1, MMP9	66	32	19453	27.6321	0.999881	0.062185	0.057179

GOTERM	GO:0032755~positive regulation of interleukin-6 production	4	6.060606	0.005237	TGFB1, NOS2, MMP8, TNF	66	105	19453	11.22828	0.999905	0.063273	0.05818
GOTERM	GO:0043388~positive regulation of DNA binding	3	4.545455	0.00543	PPARG, MMP8, MMP9	66	33	19453	26.79477	0.999933	0.064282	0.059107
GOTERM	GO:0016239~positive regulation of macroautophagy	3	4.545455	0.00543	KDR, HIF1A, SIRT1	66	33	19453	26.79477	0.999933	0.064282	0.059107
GOTERM	GO:0042771~intrinsic apoptotic signaling pathway in response to DNA damage by p53 class mediator	3	4.545455	0.00543	EP300, SIRT1, TP53	66	33	19453	26.79477	0.999933	0.064282	0.059107
GOTERM	GO:0032760~positive regulation of tumor necrosis factor production	4	6.060606	0.005663	TGFB1, LRRK2, RIPK1, MMP8	66	108	19453	10.91639	0.999955	0.066371	0.061029
GOTERM	GO:0071897~DNA biosynthetic process	3	4.545455	0.005757	TERT, SRC, TYMS	66	34	19453	26.00668	0.999962	0.066371	0.061029
GOTERM	GO:0031669~cellular response to nutrient levels	3	4.545455	0.005757	CREBBP, EP300, MTOR	66	34	19453	26.00668	0.999962	0.066371	0.061029
GOTERM	GO:2000379~positive regulation of reactive oxygen species metabolic process	3	4.545455	0.005757	RIPK1, F2, TP53	66	34	19453	26.00668	0.999962	0.066371	0.061029
GOTERM	GO:0097421~liver regeneration	3	4.545455	0.006437	TGFB1, TYMS, TNF	66	36	19453	24.56187	0.999989	0.073734	0.067798
GOTERM	GO:0060057~apoptotic process involved in mammary gland involution	2	3.030303	0.006672	VDR, BAX	66	2	19453	294.7424	0.999993	0.074863	0.068837
GOTERM	GO:1990268~response to gold nanoparticle	2	3.030303	0.006672	MPO, TNF	66	2	19453	294.7424	0.999993	0.074863	0.068837
GOTERM	GO:2001240~negative regulation of extrinsic apoptotic signaling pathway in absence of ligand	3	4.545455	0.00679	TERT, RIPK1, TNF	66	37	19453	23.89803	0.999994	0.074863	0.068837
GOTERM	GO:2001237~negative regulation of extrinsic apoptotic signaling pathway	3	4.545455	0.00679	SRC, RIPK1, TGFB1	66	37	19453	23.89803	0.999994	0.074863	0.068837
GOTERM	GO:0097193~intrinsic apoptotic signaling pathway	3	4.545455	0.00679	CASP3, BAX, TP53	66	37	19453	23.89803	0.999994	0.074863	0.068837
GOTERM	GO:2000352~negative regulation of endothelial cell apoptotic process	3	4.545455	0.00679	TERT, SERPINE1, KDR	66	37	19453	23.89803	0.999994	0.074863	0.068837
GOTERM	GO:0043537~negative regulation of blood vessel endothelial cell migration	3	4.545455	0.007902	TGFB1, PPARG, TNF	66	40	19453	22.10568	0.999999	0.086575	0.079606
GOTERM	GO:0071479~cellular response to ionizing radiation	3	4.545455	0.008289	TGFB1, SIRT1, TP53	66	41	19453	21.56652	1	0.090259	0.082993
GOTERM	GO:0031295~T cell costimulation	3	4.545455	0.009089	SRC, PTPN6, MTOR	66	43	19453	20.56342	1	0.097499	0.089651
GOTERM	GO:0007595~lactation	3	4.545455	0.009089	OXTR, VDR, HIF1A	66	43	19453	20.56342	1	0.097499	0.089651
GOTERM	GO:0042981~regulation of apoptotic process	5	7.575758	0.00912	BAX, PTPN6, ESR1, SIRT1, TP53	66	245	19453	6.015152	1	0.097499	0.089651
GOTERM	GO:0042542~response to hydrogen peroxide	3	4.545455	0.009922	CASP3, MMP2, SIRT1	66	45	19453	19.64949	1	0.103402	0.095078
GOTERM	GO:1905039~carboxylic acid transmembrane transport	2	3.030303	0.009991	ABCC1, ABCB1	66	3	19453	196.4949	1	0.103402	0.095078

GOTERM	GO:0018076~N-terminal peptidyl-lysine acetylation	2	3.030303	0.009991	CREBBP, EP300	66	3	19453	196.4949	1	0.103402	0.095078
GOTERM	GO:0051097~negative regulation of helicase activity	2	3.030303	0.009991	SIRT1, TP53	66	3	19453	196.4949	1	0.103402	0.095078
GOTERM	GO:0060058~positive regulation of apoptotic process involved in mammary gland involution	2	3.030303	0.009991	VDR, BAX	66	3	19453	196.4949	1	0.103402	0.095078
GOTERM	GO:0090263~positive regulation of canonical Wnt signaling pathway	4	6.060606	0.010024	TGFB1, SRC, LRRK2, EGFR	66	133	19453	8.864434	1	0.103402	0.095078
GOTERM	GO:0042177~negative regulation of protein catabolic process	3	4.545455	0.010351	NOS2, MDM4, EGFR	66	46	19453	19.22233	1	0.104938	0.096491
GOTERM	GO:0002223~stimulatory C-type lectin receptor signaling pathway	3	4.545455	0.010351	CREBBP, SRC, EP300	66	46	19453	19.22233	1	0.104938	0.096491
GOTERM	GO:0072089~stem cell proliferation	3	4.545455	0.010351	ABCB1, KDR, TP53	66	46	19453	19.22233	1	0.104938	0.096491
GOTERM	GO:0046427~positive regulation of JAK-STAT cascade	3	4.545455	0.010788	EP300, F2, TNF	66	47	19453	18.81335	1	0.108743	0.099989
GOTERM	GO:0071407~cellular response to organic cyclic compound	3	4.545455	0.011233	TGFB1, LRRK2, TNF	66	48	19453	18.4214	1	0.112585	0.103522
GOTERM	GO:0010862~positive regulation of pathway-restricted SMAD protein phosphorylation	3	4.545455	0.011686	TGFB1, PPARG, TGFB1	66	49	19453	18.04545	1	0.115809	0.106487
GOTERM	GO:0034097~response to cytokine	3	4.545455	0.011686	OXTR, TYMS, IL6ST	66	49	19453	18.04545	1	0.115809	0.106487
GOTERM	GO:0042789~mRNA transcription from RNA polymerase II promoter	3	4.545455	0.012147	NCOA2, VDR, PPARG	66	50	19453	17.68455	1	0.119705	0.110069
GOTERM	GO:0008630~intrinsic apoptotic signaling pathway in response to DNA damage	3	4.545455	0.012616	BAX, TNF, IKBKE	66	51	19453	17.33779	1	0.122951	0.113054
GOTERM	GO:0007173~epidermal growth factor receptor signaling pathway	3	4.545455	0.012616	TGFB1, SRC, EGFR	66	51	19453	17.33779	1	0.122951	0.113054
GOTERM	GO:0043280~positive regulation of cysteine-type endopeptidase activity involved in apoptotic process	3	4.545455	0.013092	SIRT1, TNF, CTSD	66	52	19453	17.00437	1	0.126815	0.116606
GOTERM	GO:0048597~post-embryonic camera-type eye morphogenesis	2	3.030303	0.0133	KDR, BAX	66	4	19453	147.3712	1	0.126815	0.116606
GOTERM	GO:0060745~mammary gland branching involved in	2	3.030303	0.0133	VDR, ESR1	66	4	19453	147.3712	1	0.126815	0.116606
GOTERM	GO:0006642~triglyceride mobilization	2	3.030303	0.0133	APOB, SIRT1	66	4	19453	147.3712	1	0.126815	0.116606
GOTERM	GO:0045786~negative regulation of cell cycle	3	4.545455	0.014569	TGFB1, CASP3, SIRT1	66	55	19453	16.07686	1	0.137428	0.126365
GOTERM	GO:0010718~positive regulation of epithelial to mesenchymal transition	3	4.545455	0.014569	TGFB1, TGFB1, MTOR	66	55	19453	16.07686	1	0.137428	0.126365

GOTERM	GO:0048146~positive regulation of fibroblast proliferation	3	4.545455	0.015076	TGFB1, ESR1, EGFR	66	56	19453	15.78977	1	0.140332	0.129035
GOTERM	GO:0043124~negative regulation of I-kappaB kinase/NF-kappaB signaling	3	4.545455	0.015076	RIPK1, ESR1, SIRT1	66	56	19453	15.78977	1	0.140332	0.129035
GOTERM	GO:0007204~positive regulation of cytosolic calcium ion concentration	4	6.060606	0.015115	CCR1, OXTR, OPRM1, ESR1	66	155	19453	7.606256	1	0.140332	0.129035
GOTERM	GO:1901215~negative regulation of neuron death	3	4.545455	0.016113	GSK3B, LRRK2, SIRT1	66	58	19453	15.2453	1	0.148041	0.136124
GOTERM	GO:0045165~cell fate commitment	3	4.545455	0.016113	CASP3, KDR, PPARG	66	58	19453	15.2453	1	0.148041	0.136124
GOTERM	GO:0018119~peptidyl-cysteine S-nitrosylation	2	3.030303	0.016597	NOS2, NOS1	66	5	19453	117.897	1	0.148618	0.136654
GOTERM	GO:0071677~positive regulation of mononuclear cell migration	2	3.030303	0.016597	TGFB1, TNF	66	5	19453	117.897	1	0.148618	0.136654
GOTERM	GO:0045899~positive regulation of RNA polymerase II transcriptional preinitiation complex assembly	2	3.030303	0.016597	ESR1, TP53	66	5	19453	117.897	1	0.148618	0.136654
GOTERM	GO:0060965~negative regulation of gene silencing by miRNA	2	3.030303	0.016597	TGFB1, PPARG	66	5	19453	117.897	1	0.148618	0.136654
GOTERM	GO:0002248~connective tissue replacement involved in inflammatory response wound healing	2	3.030303	0.016597	TGFB1, HIF1A	66	5	19453	117.897	1	0.148618	0.136654
GOTERM	GO:0006974~cellular response to DNA damage stimulus	5	7.575758	0.017595	PARP1, CASP3, SIRT1, TP53, MTOR	66	298	19453	4.945343	1	0.156334	0.143749
GOTERM	GO:0071363~cellular response to growth factor stimulus	3	4.545455	0.017725	RIPK1, NOS1, TGFB1	66	61	19453	14.49553	1	0.156334	0.143749
GOTERM	GO:0045599~negative regulation of fat cell differentiation	3	4.545455	0.017725	TGFB1, SIRT1, TNF	66	61	19453	14.49553	1	0.156334	0.143749
GOTERM	GO:1901984~negative regulation of protein acetylation	2	3.030303	0.019884	GSK3B, SIRT1	66	6	19453	98.24747	1	0.167793	0.154286
GOTERM	GO:0006706~steroid catabolic process	2	3.030303	0.019884	HSD11B1, CYP3A4	66	6	19453	98.24747	1	0.167793	0.154286
GOTERM	GO:0060574~intestinal epithelial cell maturation	2	3.030303	0.019884	TYMS, HIF1A	66	6	19453	98.24747	1	0.167793	0.154286
GOTERM	GO:0031284~positive regulation of guanylate cyclase activity	2	3.030303	0.019884	NOS2, NOS1	66	6	19453	98.24747	1	0.167793	0.154286
GOTERM	GO:0036446~myofibroblast differentiation	2	3.030303	0.019884	TGFB1, TGFB1	66	6	19453	98.24747	1	0.167793	0.154286
GOTERM	GO:1902512~positive regulation of apoptotic DNA fragmentation	2	3.030303	0.019884	CASP3, BAX	66	6	19453	98.24747	1	0.167793	0.154286
GOTERM	GO:0061419~positive regulation of transcription from RNA polymerase II promoter in response to hypoxia	2	3.030303	0.019884	HIF1A, TP53	66	6	19453	98.24747	1	0.167793	0.154286
GOTERM	GO:0042159~lipoprotein catabolic process	2	3.030303	0.019884	APOB, CTSD	66	6	19453	98.24747	1	0.167793	0.154286
GOTERM	GO:0018394~peptidyl-l-lysine acetylation	2	3.030303	0.019884	EP300, SIRT1	66	6	19453	98.24747	1	0.167793	0.154286

GOTERM	GO:0007187~G-protein coupled receptor signaling pathway, coupled to cyclic nucleotide second messenger	3	4.545455	0.019975	CCR1, CNR2, OPRM1	66	65	19453	13.6035	1	0.167793	0.154286
GOTERM	GO:0042752~regulation of circadian rhythm	3	4.545455	0.020556	GSK3B, PPARG, MTOR	66	66	19453	13.39738	1	0.17185	0.158017
GOTERM	GO:0042127~regulation of cell proliferation	4	6.060606	0.020804	TGFB1, NOS2, SIRT1, EGFR	66	175	19453	6.73697	1	0.173103	0.159168
GOTERM	GO:0070301~cellular response to hydrogen peroxide	3	4.545455	0.022339	SRC, RIPK1, SIRT1	66	69	19453	12.81489	1	0.182386	0.167704
GOTERM	GO:1900076~regulation of cellular response to insulin stimulus	2	3.030303	0.02316	NCOA2, PPARG	66	7	19453	84.21212	1	0.182386	0.167704
GOTERM	GO:0051173~positive regulation of nitrogen compound metabolic process	2	3.030303	0.02316	TNF, TGFB1	66	7	19453	84.21212	1	0.182386	0.167704
GOTERM	GO:0007435~salivary gland morphogenesis	2	3.030303	0.02316	TGFB1, EGFR	66	7	19453	84.21212	1	0.182386	0.167704
GOTERM	GO:0001957~intramembranous ossification	2	3.030303	0.02316	MMP2, CTSK	66	7	19453	84.21212	1	0.182386	0.167704
GOTERM	GO:0008211~glucocorticoid metabolic process	2	3.030303	0.02316	HSD11B2, NR3C1	66	7	19453	84.21212	1	0.182386	0.167704
GOTERM	GO:0006527~arginine catabolic process	2	3.030303	0.02316	NOS2, NOS1	66	7	19453	84.21212	1	0.182386	0.167704
GOTERM	GO:0010573~vascular endothelial growth factor production	2	3.030303	0.02316	HIF1A, TNF	66	7	19453	84.21212	1	0.182386	0.167704
GOTERM	GO:1902462~positive regulation of mesenchymal stem cell proliferation	2	3.030303	0.02316	TGFB1, TGFB1	66	7	19453	84.21212	1	0.182386	0.167704
GOTERM	GO:0003179~heart valve morphogenesis	2	3.030303	0.02316	TGFB1, MTOR	66	7	19453	84.21212	1	0.182386	0.167704
GOTERM	GO:0043504~mitochondrial DNA repair	2	3.030303	0.02316	PARP1, TP53	66	7	19453	84.21212	1	0.182386	0.167704
GOTERM	GO:1901203~positive regulation of extracellular matrix assembly	2	3.030303	0.02316	TGFB1, TGFB1	66	7	19453	84.21212	1	0.182386	0.167704
GOTERM	GO:0060079~excitatory postsynaptic potential	3	4.545455	0.023562	GSK3B, LRRK2, OPRM1	66	71	19453	12.45391	1	0.184726	0.169856
GOTERM	GO:0071300~cellular response to retinoic acid	3	4.545455	0.024184	GSK3B, PPARG, TNF	66	72	19453	12.28093	1	0.18793	0.172802
GOTERM	GO:0009791~post-embryonic development	3	4.545455	0.024184	APOB, TGFB1, MTOR	66	72	19453	12.28093	1	0.18793	0.172802
GOTERM	GO:0021766~hippocampus development	3	4.545455	0.025447	GSK3B, PTPRS, CASP3	66	74	19453	11.94902	1	0.195858	0.180091
GOTERM	GO:0032091~negative regulation of protein binding	3	4.545455	0.026089	GSK3B, LRRK2, BAX	66	75	19453	11.7897	1	0.195858	0.180091
GOTERM	GO:0002821~positive regulation of adaptive immune response	2	3.030303	0.026425	IL6ST, SIRT1	66	8	19453	73.68561	1	0.195858	0.180091
GOTERM	GO:0071316~cellular response to nicotine	2	3.030303	0.026425	NTRK1, TNF	66	8	19453	73.68561	1	0.195858	0.180091
GOTERM	GO:0061044~negative regulation of vascular wound healing	2	3.030303	0.026425	SERPINE1, TNF	66	8	19453	73.68561	1	0.195858	0.180091
GOTERM	GO:0051152~positive regulation of smooth muscle cell differentiation	2	3.030303	0.026425	TGFB1, SIRT1	66	8	19453	73.68561	1	0.195858	0.180091

GOTERM	GO:0010886~positive regulation of cholesterol storage	2	3.030303	0.026425	APOB, SREBF2	66	8	19453	73.68561	1	0.195858	0.180091
GOTERM	GO:0097527~necroptotic signaling pathway	2	3.030303	0.026425	RIPK1, TNF	66	8	19453	73.68561	1	0.195858	0.180091
GOTERM	GO:0060545~positive regulation of necroptotic process	2	3.030303	0.026425	PARP1, RIPK1	66	8	19453	73.68561	1	0.195858	0.180091
GOTERM	GO:0051346~negative regulation of hydrolase activity	2	3.030303	0.026425	NOS1, PRKCZ	66	8	19453	73.68561	1	0.195858	0.180091
GOTERM	GO:2000272~negative regulation of receptor activity	2	3.030303	0.026425	PPARG, TNF	66	8	19453	73.68561	1	0.195858	0.180091
GOTERM	GO:0033209~tumor necrosis factor-mediated signaling pathway	3	4.545455	0.028721	RIPK1, TNF, TP53	66	79	19453	11.19275	1	0.211982	0.194917
GOTERM	GO:0051901~positive regulation of mitochondrial depolarization	2	3.030303	0.02968	PARP1, KDR	66	9	19453	65.49832	1	0.213694	0.196492
GOTERM	GO:0010888~negative regulation of lipid storage	2	3.030303	0.02968	PPARG, TNF	66	9	19453	65.49832	1	0.213694	0.196492
GOTERM	GO:0051647~nucleus localization	2	3.030303	0.02968	NR3C1, MTOR	66	9	19453	65.49832	1	0.213694	0.196492
GOTERM	GO:0035357~peroxisome proliferator activated receptor signaling pathway	2	3.030303	0.02968	NCOA2, PPARG	66	9	19453	65.49832	1	0.213694	0.196492
GOTERM	GO:0001542~ovulation from ovarian follicle	2	3.030303	0.02968	MMP2, SIRT1	66	9	19453	65.49832	1	0.213694	0.196492
GOTERM	GO:0008354~germ cell migration	2	3.030303	0.02968	TGFB1, TGFB1	66	9	19453	65.49832	1	0.213694	0.196492
GOTERM	GO:0043491~protein kinase B signaling	3	4.545455	0.030075	TGFB1, KDR, TNF	66	81	19453	10.91639	1	0.214788	0.197498
GOTERM	GO:0009636~response to toxic substance	3	4.545455	0.030075	PON1, BAX, TYMS	66	81	19453	10.91639	1	0.214788	0.197498
GOTERM	GO:0021987~cerebral cortex development	3	4.545455	0.030762	PTPRS, BAX, HIF1A	66	82	19453	10.78326	1	0.217927	0.200384
GOTERM	GO:0006919~activation of cysteine-type endopeptidase activity involved in apoptotic process	3	4.545455	0.030762	BAX, PPARG, TNF	66	82	19453	10.78326	1	0.217927	0.200384
GOTERM	GO:0043123~positive regulation of I-kappaB kinase/NF-kappaB signaling	4	6.060606	0.031258	PARP1, RIPK1, TNF, IKBKE	66	205	19453	5.751072	1	0.220554	0.202799
GOTERM	GO:0007005~mitochondrion organization	3	4.545455	0.032859	TERT, PARP1, LRRK2	66	85	19453	10.40267	1	0.226863	0.208601
GOTERM	GO:0001933~negative regulation of protein phosphorylation	3	4.545455	0.032859	TGFB1, LRRK2, IGFBP3	66	85	19453	10.40267	1	0.226863	0.208601
GOTERM	GO:1903980~positive regulation of microglial cell activation	2	3.030303	0.032923	LRRK2, MMP8	66	10	19453	58.94848	1	0.226863	0.208601
GOTERM	GO:0010863~positive regulation of phospholipase C activity	2	3.030303	0.032923	ESR1, FGFR1	66	10	19453	58.94848	1	0.226863	0.208601
GOTERM	GO:0060576~intestinal epithelial cell development	2	3.030303	0.032923	SRC, IL6ST	66	10	19453	58.94848	1	0.226863	0.208601
GOTERM	GO:0070723~response to cholesterol	2	3.030303	0.032923	TGFB1, TGFB1	66	10	19453	58.94848	1	0.226863	0.208601
GOTERM	GO:0030154~cell differentiation	7	10.60606	0.033409	NTRK1, SRC, VDR, LRRK2, PTPN6, PPARG,	66	723	19453	2.853661	1	0.229315	0.210855
GOTERM	GO:0007565~female pregnancy	3	4.545455	0.03357	HSD11B2, OXTR, TGFB1	66	86	19453	10.28171	1	0.229523	0.211047

GOTERM	GO:0070242~thymocyte apoptotic process	2	3.030303	0.036156	BAX, TP53	66	11	19453	53.58953	1	0.245308	0.225561
GOTERM	GO:0071803~positive regulation of podosome assembly	2	3.030303	0.036156	SRC, TNF	66	11	19453	53.58953	1	0.245308	0.225561
GOTERM	GO:0019722~calcium-mediated signaling	3	4.545455	0.037961	CCR1, LRRK2, TNF	66	92	19453	9.611166	1	0.256567	0.235914
GOTERM	GO:0031647~regulation of protein stability	3	4.545455	0.038714	TERT, CASP3, LRRK2	66	93	19453	9.50782	1	0.260166	0.239223
GOTERM	GO:2000343~positive regulation of chemokine (C-X-C motif) ligand 2 production	2	3.030303	0.039379	TGFB1, TNF	66	12	19453	49.12374	1	0.260166	0.239223
GOTERM	GO:0051549~positive regulation of keratinocyte migration	2	3.030303	0.039379	MMP9, MTOR	66	12	19453	49.12374	1	0.260166	0.239223
GOTERM	GO:0007406~negative regulation of neuroblast proliferation	2	3.030303	0.039379	TGFB1, TP53	66	12	19453	49.12374	1	0.260166	0.239223
GOTERM	GO:0071233~cellular response to leucine	2	3.030303	0.039379	EP300, MTOR	66	12	19453	49.12374	1	0.260166	0.239223
GOTERM	GO:0006983~ER overload response	2	3.030303	0.039379	GSK3B, TP53	66	12	19453	49.12374	1	0.260166	0.239223
GOTERM	GO:0034599~cellular response to oxidative stress	3	4.545455	0.04178	ABCC1, PARP1, LRRK2	66	97	19453	9.115745	1	0.274197	0.252124
GOTERM	GO:0035264~multicellular organism growth	3	4.545455	0.04256	EP300, TP53, MTOR	66	98	19453	9.022727	1	0.274197	0.252124
GOTERM	GO:0006110~regulation of glycolytic process	2	3.030303	0.042591	EP300, HIF1A	66	13	19453	45.34499	1	0.274197	0.252124
GOTERM	GO:0045670~regulation of osteoclast differentiation	2	3.030303	0.042591	TNF, MTOR	66	13	19453	45.34499	1	0.274197	0.252124
GOTERM	GO:0050732~negative regulation of peptidyl-tyrosine phosphorylation	2	3.030303	0.042591	PTPN6, PRKCZ	66	13	19453	45.34499	1	0.274197	0.252124
GOTERM	GO:0042711~maternal behavior	2	3.030303	0.042591	OXTR, NR3C1	66	13	19453	45.34499	1	0.274197	0.252124
GOTERM	GO:0014912~negative regulation of smooth muscle cell migration	2	3.030303	0.042591	IGFBP3, SERPINE1	66	13	19453	45.34499	1	0.274197	0.252124
GOTERM	GO:0046330~positive regulation of JNK cascade	3	4.545455	0.043346	RIPK1, MMP8, TNF	66	99	19453	8.931589	1	0.278046	0.255663
GOTERM	GO:0071498~cellular response to fluid shear stress	2	3.030303	0.045792	SRC, MMP2	66	14	19453	42.10606	1	0.289523	0.266216
GOTERM	GO:0048546~digestive tract morphogenesis	2	3.030303	0.045792	HIF1A, EGFR	66	14	19453	42.10606	1	0.289523	0.266216
GOTERM	GO:0070102~interleukin-6-mediated signaling pathway	2	3.030303	0.045792	SRC, IL6ST	66	14	19453	42.10606	1	0.289523	0.266216
GOTERM	GO:0010954~positive regulation of protein processing	2	3.030303	0.045792	MMP14, SRC	66	14	19453	42.10606	1	0.289523	0.266216
GOTERM	GO:0000902~cell morphogenesis	3	4.545455	0.046544	TGFB1, VDR, EGFR	66	103	19453	8.584731	1	0.293225	0.26962
GOTERM	GO:0010884~positive regulation of lipid storage	2	3.030303	0.048983	APOB, IKBKE	66	15	19453	39.29899	1	0.301063	0.276828
GOTERM	GO:0050966~detection of mechanical stimulus involved in sensory perception of pain	2	3.030303	0.048983	NTRK1, TNF	66	15	19453	39.29899	1	0.301063	0.276828

GOTERM	GO:2000679~positive regulation of transcription regulatory region DNA binding	2	3.030303	0.048983	TGFB1, PARP1	66	15	19453	39.29899	1	0.301063	0.276828
GOTERM	GO:0080135~regulation of cellular response to stress	2	3.030303	0.048983	BAX, OPRM1	66	15	19453	39.29899	1	0.301063	0.276828
GOTERM	GO:0060389~pathway-restricted SMAD protein phosphorylation	2	3.030303	0.048983	TGFB1, TGFB1	66	15	19453	39.29899	1	0.301063	0.276828
GOTERM	GO:1903265~positive regulation of tumor necrosis factor-mediated signaling pathway	2	3.030303	0.048983	RIPK1, MMP8	66	15	19453	39.29899	1	0.301063	0.276828
GOTERM	GO:0010831~positive regulation of myotube differentiation	2	3.030303	0.048983	MMP14, MTOR	66	15	19453	39.29899	1	0.301063	0.276828
GOTERM	GO:0042632~cholesterol homeostasis	3	4.545455	0.049825	APOB, SIRT1, SREBF2	66	107	19453	8.263806	1	0.30518	0.280613

Supplementary Table 5 Results of the cellular component category terms from GO enrichment analysis												
Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Tdf	fold Enrichm	Bonferroni	Benjamini	FDR
GOTERM	GO:0045121~membrane raft	14	21.21212	7.85E-13	SRC, LRRK2, OPRM1, TNF, PRKCZ, EGFR, TGFB1, CASP3, KDR, RIPK1, NOS1, IL6ST, CTSD, ABCG2	66	249	20647	17.58902	1.74E-10	1.74E-10	1.48E-10
GOTERM	GO:0043235~receptor complex	9	13.63636	5.20E-07	NTRK1, VDR, KDR, RIPK1, PPARG, IL6ST, EGFR, TGFB1, FGFR1	66	225	20647	12.51333	1.15E-04	5.77E-05	4.88E-05
GOTERM	GO:0005615~extracellular space	21	31.81818	1.74E-06	TGFB1, MMP2, LRRK2, IGFBP3, PON1, MMP3, SERPINE1, PLG, F2, MMP8, MPO, TNF, MMP9, EGFR, MMP14, RBP4, MMP13, CTSK, APOB, IL6ST, CTSD	66	1990	20647	3.301256	3.86E-04	1.29E-04	1.09E-04
GOTERM	GO:0005576~extracellular region	21	31.81818	8.56E-06	TGFB1, MMP2, IGFBP3, PON1, MMP3, SERPINE1, PLG, F2, MMP8, MPO, TNF, MMP9, RBP4, MMP13, CTSK, KDR, PTPN6, APOB, IL6ST, CTSD, FGFR1	66	2208	20647	2.975317	1.90E-03	4.53E-04	3.84E-04
GOTERM	GO:0032991~macromolecular complex	12	18.18182	1.02E-05	NTRK1, NCOA2, PARP1, PTPN6, RIPK1, NOS1, NR3C1, HIF1A, ESR1, TNF, TP53, EGFR	66	697	20647	5.38594	2.26E-03	4.53E-04	3.84E-04
GOTERM	GO:0043025~neuronal cell body	9	13.63636	2.57E-05	NTRK1, TGFB1, SRC, CASP3, LRRK2, APOB, IL6ST, TNF, PTPRF	66	382	20647	7.370419	0.00568	9.49E-04	8.04E-04
GOTERM	GO:0070062~extracellular exosome	20	30.30303	3.91E-05	ABCC1, PTPRS, ABCB1, SRC, LRRK2, PON1, SERPINE1, PLG, F2, MPO, PRKCZ, MMP9, PTPRF, RBP4, ALDH2, BAX, PTPN6, APOB, IL6ST, CTSD	66	2240	20647	2.793155	0.008651	1.24E-03	1.05E-03
GOTERM	GO:0005654~nucleoplasm	28	42.42424	4.62E-05	GSK3B, ABCB1, SRC, NR3C1, MPO, HIF1A, HSD11B2, TERT, CASP3, CTSK, EP300, NOS1, IKBKE, NCOA2, CREBBP, PARP1, NOS2, VDR, ESR1, SIRT1, SREBF2, MTOR, ESR2, PTPN6, PPARG, MDM4, TP53, ABCG2	66	4076	20647	2.149002	0.010195	1.28E-03	1.08E-03
GOTERM	GO:0005667~transcription factor complex	7	10.60606	9.39E-05	NCOA2, CREBBP, PARP1, EP300, HIF1A, ESR1, TP53	66	234	20647	9.358262	0.020637	2.32E-03	1.96E-03
GOTERM	GO:0000785~chromatin	13	19.69697	1.60E-04	NCOA2, CREBBP, PARP1, VDR, NR3C1, HIF1A, ESR1, SIRT1, SREBF2, ESR2, EP300, PPARG, TP53	66	1112	20647	3.657224	0.034847	3.30E-03	2.79E-03
GOTERM	GO:0031012~extracellular matrix	7	10.60606	1.63E-04	MMP14, TGFB1, MMP13, MMP2, MMP3, MMP8, MMP9	66	259	20647	8.454955	0.035645	0.003299	0.002794
GOTERM	GO:0005886~plasma membrane	32	48.48485	1.87E-04	GSK3B, OXTR, PTPRS, ABCB1, SRC, LRRK2, SERPINE1, PLG, TNF, PRKCZ, PTPRF, EGFR, TERT, CNR2, KDR, RIPK1, NOS1, APOB, CCR1, NTRK1, ABCC1, TGFB1, NOS2, MMP2, OPRM1, F2, ESR1, TGFB1, MMP14, IL6ST, EGFR1, ABCG2	66	5455	20647	1.835136	0.040587	0.003452	0.002924

GOTERM	GO:0005737~cytoplasm	33	50	2.18E-04	GSK3B, ABCB1, SRC, LRRK2, TYMS, NR3C1, CYP3A4, HIF1A, PRKCZ, EGFR, TERT, CNR2, CASP3, EP300, NOS1, APOB, IKBKE, CCR1, NCOA2, CREBBP, TGFB1, NOS2, VDR, MMP3, ESR1, SIRT1, SREBF2, MTOR, MMP14, BAX, PTPN6, PPARG, TP53	66	5771	20647	1.788858	0.047226	0.003721	0.003151
GOTERM	GO:0005634~nucleus	34	51.51515	2.60E-04	GSK3B, TYMS, NR3C1, MPO, HIF1A, EGFR, TERT, CASP3, KDR, EP300, NOS1, IKBKE, NCOA2, CREBBP, TGFB1, PARP1, NOS2, VDR, MMP2, IGFBP3, MMP3, ESR1, SIRT1, SREBF2, TGFB1, MTOR, ESR2, MMP14, BAX, PTPN6, PPARG, MDM4, TP53, FGFR1	66	6100	20647	1.743661	0.056153	0.004127	0.003495
GOTERM	GO:0016605~PM body	5	7.575758	4.02E-04	TERT, SIRT1, TP53, IKBKE, MTOR	66	110	20647	14.2197	0.085414	0.005951	0.00504
GOTERM	GO:0005739~mitochondrion	14	21.21212	5.60E-04	GSK3B, PARP1, SRC, MMP2, LRRK2, TYMS, NR3C1, SIRT1, ESR2, ALDH2, BAX, RIPK1, NOS1, TP53	66	1466	20647	2.987494	0.11694	0.00777	0.00658
GOTERM	GO:1904724~tertiary granule lumen	4	6.060606	0.000733	PTPN6, MMP8, CTSD, MMP9	66	56	20647	22.34524	0.150183	0.009569	0.008104
GOTERM	GO:0043231~intracellular membrane-bounded organelle	11	16.66667	0.001195	HSD11B1, HSD11B2, CTSK, LRRK2, PON1, PPARG, APOB, CYP3A4, MPO, SREBF2, ESR2	66	1014	20647	3.393655	0.23319	0.014742	0.012484
GOTERM	GO:0005887~integral component of plasma membrane	13	19.69697	0.001737	CCR1, NTRK1, ABCC1, OXTR, PTPRS, OPRM1, TNF, PTPRF, EGFR, MMP14, CNR2, KDR, FGFR1	66	1453	20647	2.798922	0.320171	0.020294	0.017186
GOTERM	GO:0005789~endoplasmic reticulum membrane	11	16.66667	0.002697	HSD11B1, HSD11B2, LRRK2, PON1, BAX, APOB, CYP3A4, CYP19A1, SREBF2, EGFR, MTOR	66	1132	20647	3.0399	0.450892	0.029933	0.025348
GOTERM	GO:0005764~lysosome	6	9.090909	0.003047	SRC, CTSK, LRRK2, MPO, CTSD, MTOR	66	313	20647	5.996805	0.492129	0.032214	0.02728
GOTERM	GO:0030425~dendrite	7	10.60606	0.003224	NTRK1, GSK3B, CNR2, LRRK2, OPRM1, IL6ST, MTOR	66	460	20647	4.760507	0.511677	0.032528	0.027546
GOTERM	GO:0005768~endosome	6	9.090909	0.003625	LRRK2, KDR, OPRM1, PRKCZ, EGFR, TGFB1	66	326	20647	5.757669	0.553444	0.034988	0.02963
GOTERM	GO:0009897~external side of plasma membrane	7	10.60606	0.004132	CCR1, CTSK, KDR, PLG, F2, IL6ST, TNF	66	484	20647	4.524449	0.601194	0.036558	0.030959
GOTERM	GO:0005635~nuclear envelope	5	7.575758	0.004266	PARP1, BAX, SIRT1, PRKCZ, MTOR	66	209	20647	7.484051	0.612885	0.036558	0.030959

GOTERM	GO:0005829--cytosol	29	43.93939	0.004282	GSK3B, PTPRS, SRC, LRRK2, TYMS, NR3C1, HIF1A, PRKCZ, TERT, CASP3, EP300, RIPK1, NOS1, APOB, IKBKE, CREBBP, PARP1, NOS2, VDR, ESR1, SIRT1, SREBF2, MTOR, MMP14, BAX, PTPN6, PPARG, TP53, FGFR1	66	5627	20647	1.612256	0.614247	0.036558	0.030959
GOTERM	GO:0030424--axon	6	9.090909	0.006306	NTRK1, GSK3B, TGFB1, PTPRS, LRRK2, OPRM1	66	372	20647	5.045699	0.754465	0.051848	0.043907
GOTERM	GO:0090575--RNA polymerase II transcription factor complex	4	6.060606	0.007043	NCOA2, VDR, PPARG, HIF1A	66	124	20647	10.0914	0.791784	0.055845	0.047292
GOTERM	GO:0016324--apical plasma membrane	6	9.090909	0.009204	ABCC1, OXTR, ABCB1, CTSK, PRKCZ, ABCG2	66	408	20647	4.60049	0.871628	0.070461	0.059669
GOTERM	GO:0010008--endosome membrane	5	7.575758	0.010771	NTRK1, RIPK1, APOB, CTSD, EGFR	66	273	20647	5.729548	0.909664	0.078437	0.066424
GOTERM	GO:0098978--glutamatergic synapse	6	9.090909	0.010953	GSK3B, PTPRS, SRC, LRRK2, PLG, PRKCZ	66	426	20647	4.406103	0.913271	0.078437	0.066424
GOTERM	GO:0072562--blood microparticle	4	6.060606	0.0114	TGFB1, PON1, PLG, F2	66	148	20647	8.454955	0.92155	0.079086	0.066974
GOTERM	GO:0043204--perikaryon	4	6.060606	0.014759	PTPRS, CNR2, LRRK2, OPRM1	66	163	20647	7.676892	0.963155	0.099291	0.084084
GOTERM	GO:0070021--transforming growth factor beta1-type II receptor-type I receptor	2	3.030303	0.015643	TGFB1, TGFB1	66	5	20647	125.1333	0.969812	0.102143	0.086499
GOTERM	GO:0000791--euchromatin	3	4.545455	0.016345	HIF1A, ESR1, SIRT1	66	62	20647	15.1371	0.974228	0.102777	0.087037
GOTERM	GO:0035580--specific granule lumen	3	4.545455	0.016847	PTPN6, MMP8, CTSD	66	63	20647	14.89683	0.976989	0.102777	0.087037
GOTERM	GO:0009986--cell surface	7	10.60606	0.01713	NTRK1, TGFB1, ABCB1, PLG, TNF, EGFR, TGFB1	66	657	20647	3.33308	0.978414	0.102777	0.087037
GOTERM	GO:0098591--external side of apical plasma membrane	2	3.030303	0.018743	ABCB1, ABCG2	66	6	20647	104.2778	0.985011	0.109499	0.092729
GOTERM	GO:0031093--platelet alpha granule lumen	3	4.545455	0.019454	TGFB1, SERPINE1, PLG	66	68	20647	13.80147	0.987238	0.110737	0.093777
GOTERM	GO:0005902--microvillus	3	4.545455	0.020541	OXTR, TGFB1, LRRK2	66	70	20647	13.40714	0.990024	0.114003	0.096543
GOTERM	GO:0031264--death-inducing signaling complex	2	3.030303	0.021833	CASP3, RIPK1	66	7	20647	89.38095	0.992558	0.118219	0.100113
GOTERM	GO:0016604--nuclear body	5	7.575758	0.026535	NCOA2, CREBBP, PARP1, HIF1A, TP53	66	359	20647	4.35701	0.997447	0.140257	0.118776
GOTERM	GO:0043202--lysosomal lumen	3	4.545455	0.038226	CTSK, APOB, CTSD	66	98	20647	9.576531	0.999825	0.188447	0.159586
GOTERM	GO:0030054--cell junction	4	6.060606	0.038367	SRC, KDR, PRKCZ, EGFR	66	236	20647	5.30226	0.999831	0.188447	0.159586
GOTERM	GO:0005759--mitochondrial matrix	5	7.575758	0.03903	ALDH2, LRRK2, TYMS, NR3C1, TP53	66	406	20647	3.852627	0.999855	0.188447	0.159586
GOTERM	GO:1990909--Wnt signalosome	2	3.030303	0.040173	GSK3B, LRRK2	66	13	20647	48.12821	0.999889	0.188447	0.159586
GOTERM	GO:0098685--Schaffer collateral - CA1 synapse	3	4.545455	0.040373	PTPRS, PLG, PRKCZ	66	101	20647	9.292079	0.999894	0.188447	0.159586

GOTERM	GO:0016021~integral component of membrane	25	37.87879	0.040745	GSK3B, OXTR, PTPRS, ABCB1, CYP3A4, TNF, CYP19A1, PTPRF, EGFR, HSD11B1, HSD11B2, CTSK, KDR, CCR1, ABCC1, OPRM1, ESR1, TGFBR1, MMP14, MMP13, BAX, IL6ST, TP53, EGFR1, ABCC2	66	5457	20647	1.433175	0.999902	0.188447	0.159586
GOTERM	GO:0005796~Golgi lumen	3	4.545455	0.0448	MMP14, TGFB1, F2	66	107	20647	8.771028	0.999962	0.20297	0.171885
GOTERM	GO:0016020~membrane	18	27.27273	0.059837	ABCC1, ABCB1, PARP1, LRRK2, CYP3A4, NR3C1, ESR1, CYP19A1, TNF, PRKCZ, EGFR, TGFBR1, MTOR, HSD11B1, BAX, PTPN6, IL6ST, FGFR1	66	3677	20647	1.531411	0.999999	0.265676	0.224987

Supplementary Table 6 Results of the molecular function category terms from GO enrichment analysis												
Category	Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total	Fold Enrichment	Benjamini	Benjamini	FDR
GOTERM	GO:0019899~enzyme binding	13	19.69697	6.49E-09	TGFB1, PARP1, SRC, PLG, CYP3A4, HIF1A, ESR1, SIRT1, EGFR, ESR2, MDM4, PPARG, TP53	66	386	18967	9.67856	2.53E-06	2.53E-06	2.24E-06
GOTERM	GO:0005496~steroid binding	6	9.090909	5.39E-08	HSD11B1, HSD11B2, CYP3A4, NR3C1, ESR1, ESR2	66	30	18967	57.47576	2.10E-05	1.05E-05	9.30E-06
GOTERM	GO:0002039~p53 binding	7	10.60606	1.82E-07	GSK3B, CREBBP, EP300, MDM4, HIF1A, SIRT1, TP53	66	73	18967	27.55687	7.10E-05	1.87E-05	1.66E-05
GOTERM	GO:0008270~zinc ion binding	16	24.24242	2.34E-07	CREBBP, PARP1, VDR, MMP2, MMP3, NR3C1, MMP8, ESR1, MMP9, ESR2, MMP14, MMP13, EP300, MDM4, PPARG, TP53	66	888	18967	5.177996	9.11E-05	1.87E-05	1.66E-05
GOTERM	GO:0004252~serine-type endopeptidase activity	9	13.63636	2.40E-07	MMP14, MMP13, MMP2, CTSK, MMP3, PLG, F2, MMP8, MMP9	66	187	18967	13.83106	9.36E-05	1.87E-05	1.66E-05
GOTERM	GO:0004175~endopeptidase activity	7	10.60606	2.92E-07	MMP14, MMP13, MMP2, MMP3, PLG, MMP8, MMP9	66	79	18967	25.46394	1.14E-04	1.90E-05	1.68E-05
GOTERM	GO:0042802~identical protein binding	21	31.81818	7.67E-07	NTRK1, TGFB1, PARP1, LRRK2, NR3C1, ESR1, SIRT1, TNF, MMP9, EGFR, MTOR, TERT, KDR, BAX, RIPK1, PPARG, IL6ST, IKBKE, TP53, FGFR1, ABCG2	66	1736	18967	3.476356	2.99E-04	4.27E-05	3.78E-05
GOTERM	GO:0004672~protein kinase activity	10	15.15152	5.86E-06	NTRK1, GSK3B, SRC, LRRK2, RIPK1, PRKCZ, IKBKE, EGFR, TGFB1, MTOR	66	382	18967	7.523005	2.28E-03	2.86E-04	2.53E-04
GOTERM	GO:0031625~ubiquitin protein ligase binding	9	13.63636	1.17E-05	GSK3B, ABCB1, PARP1, RIPK1, HIF1A, TP53, IKBKE, EGFR,	66	315	18967	8.210823	4.57E-03	5.09E-04	4.50E-04
GOTERM	GO:0004712~protein serine/threonine/tyrosine kinase activity	10	15.15152	1.95E-05	NTRK1, GSK3B, SRC, LRRK2, KDR, RIPK1, PRKCZ, EGFR, MTOR, FGFR1	66	444	18967	6.472495	7.57E-03	7.60E-04	6.72E-04
GOTERM	GO:0001223~transcription coactivator binding	5	7.575758	2.18E-05	CREBBP, TERT, EP300, HIF1A, ESR1	66	48	18967	29.93529	8.47E-03	7.74E-04	6.84E-04

GOTERM	GO:0004879~ RNA polymerase II transcription factor activity, ligand-activated sequence-	5	7.575758	3.49E-05	VDR, PPARG, NR3C1, ESR1, ESR2	66	54	18967	26.60915	1.35E-02	1.12E-03	9.94E-04
GOTERM	GO:0004222~ metalloendopeptidase activity	6	9.090909	4.09E-05	MMP14, MMP13, MMP2, MMP3, MMP8, MMP9	66	112	18967	15.39529	1.58E-02	1.12E-03	9.94E-04
GOTERM	GO:0002020~ protease binding	6	9.090909	4.27E-05	GSK3B, CASP3, SERPINE1, PLG, TNF, TP53	66	113	18967	15.25905	1.65E-02	1.12E-03	9.94E-04
GOTERM	GO:0042803~ protein homodimerization activity	12	18.18182	4.32E-05	NTRK1, HSD11B1, TERT, NOS2, PARP1, LRRK2, PON1, BAX, RIPK1, TYMS, FGFR1, ABCG2	66	749	18967	4.6042	1.67E-02	1.12E-03	9.94E-04
GOTERM	GO:0008022~ protein C-terminus binding	7	10.60606	5.00E-05	TERT, SRC, EP300, PPARG, OPRM1, SIRT1, SREBF2	66	192	18967	10.47735	0.01933	1.22E-03	1.08E-03
GOTERM	GO:0020037~ heme binding	6	9.090909	1.90E-04	NOS2, SRC, NOS1, CYP3A4, MPO, CYP19A1	66	155	18967	11.12434	0.071466	4.36E-03	3.86E-03
GOTERM	GO:0003682~ chromatin binding	9	13.63636	2.90E-04	NCOA2, CREBBP, PARP1, EP300, PPARG, MPO, ESR1, TP53, EGFR	66	498	18967	5.193593	0.106875	6.28E-03	5.55E-03
GOTERM	GO:0008201~ heparin binding	6	9.090909	3.70E-04	PTPRS, APOB, F2, MPO, PTPRF, FGFR1	66	179	18967	9.632809	0.134355	7.59E-03	6.72E-03
GOTERM	GO:0030331~ estrogen receptor binding	4	6.060606	4.01E-04	PARP1, SRC, PPARG, ESR1	66	42	18967	27.36941	0.144746	7.82E-03	6.91E-03
GOTERM	GO:0061629~ RNA polymerase II sequence-specific DNA binding transcription factor binding	6	9.090909	4.52E-04	GSK3B, CREBBP, PARP1, EP300, HIF1A, TP53	66	187	18967	9.22071	0.161585	7.85E-03	6.95E-03
GOTERM	GO:0016922~ ligand-dependent	4	6.060606	4.60E-04	NCOA2, EP300, HIF1A, SIRT1	66	44	18967	26.12534	0.164319	7.85E-03	6.95E-03
GOTERM	GO:0008233~ peptidase activity	5	7.575758	4.63E-04	CASP3, MMP3, MMP8, CTSD, MMP9	66	105	18967	13.6847	0.165305	7.85E-03	6.95E-03
GOTERM	GO:0005524~ ATP binding	15	22.72727	6.01E-04	NTRK1, GSK3B, ABCC1, ABCB1, SRC, LRRK2, PRKCZ, EGFR, TGFBR1, MTOR, KDR, RIPK1, IKBKE, FGFR1, ABCG2	66	1539	18967	2.800963	0.208936	0.009478	8.38E-03
GOTERM	GO:0034056~ estrogen response element binding	3	4.545455	6.23E-04	NR3C1, ESR1, ESR2	66	11	18967	78.37603	0.215912	0.009478	0.008384
GOTERM	GO:0004713~ protein tyrosine kinase activity	5	7.575758	6.32E-04	NTRK1, SRC, KDR, EGFR, FGFR1	66	114	18967	12.60433	0.218476	0.009478	0.008384

GOTERM	GO:0004714~ transmembran e receptor protein tyrosine kinase activity	4	6.060606	8.41E-04	NTRK1, KDR, EGFR, FGFR1	66	54	18967	21.28732	0.279742	0.012148	0.010747
GOTERM	GO:0008559~ xenobiotic- transporting ATPase activity	3	4.545455	1.02E-03	ABCC1, ABCB1, ABCG2	66	14	18967	61.58117	0.329586	0.013781	0.012191
GOTERM	GO:0015562~ efflux transmembran e transporter activity	3	4.545455	1.02E-03	ABCC1, ABCB1, ABCG2	66	14	18967	61.58117	0.329586	0.013781	0.012191
GOTERM	GO:0019901~ protein kinase binding	8	12.12121	1.99E-03	GSK3B, PARP1, PTPN6, NR3C1, HIF1A, ESR1, TP53, PRKCZ	66	521	18967	4.412726	0.54052	0.025896	0.022908
GOTERM	GO:0004674~ protein serine/threoni ne kinase activity	7	10.60606	2.45E-03	GSK3B, LRRK2, RIPK1, PRKCZ, IKBKE, TGFBF1, MTOR	66	400	18967	5.029129	0.616255	0.030858	0.027298
GOTERM	GO:0005515~ protein binding	55	83.33333	2.56E-03	GSK3B, PTPRS, LRRK2, SERPINE1, NR3C1, MPO, TNF, CASP3, CTSK, KDR, EP300, NOS1, IKBKE, CTSD, NCOA2, PARP1, IGFBP3, MMP2, MMP3, OPRM1, F2, MMP9, SIRT1, TGFBF1, SREBF2, RBP4, MMP14, PPARG, IL6ST, TP53, ABCG2, ABCB1, SRC, PLG, CYP3A4, HIF1A, PRKCZ, EGFR, TERT, CNR2, RIPK1, APOB, NTRK1, CCR1, CREBBP, TGFB1, NOS2, VDR, ESR1, MTOR, ESR2	66	12657	18967	1.248782	0.63189	0.03119	0.027592
GOTERM	GO:0042910~ xenobiotic transporter activity	3	4.545455	3.56E-03	ABCC1, ABCB1, ABCG2	66	26	18967	33.15909	0.751548	0.042122	0.037262
GOTERM	GO:0019903~ protein phosphatase binding	4	6.060606	3.76E-03	PPARG, TP53, IKBKE, EGFR	66	91	18967	12.63203	0.770293	0.043182	0.038199
GOTERM	GO:0001968~ fibronectin binding	3	4.545455	5.37E-03	MMP2, CTSK, IGFBP3	66	32	18967	26.94176	0.877442	0.059815	0.052913
GOTERM	GO:0019900~ kinase binding	4	6.060606	5.76E-03	NTRK1, SRC, PLG, EGFR	66	106	18967	10.84448	0.895096	0.062306	0.055117
GOTERM	GO:0071889~ 14-3-3 protein binding	3	4.545455	6.04E-03	ESR1, TP53, PRKCZ	66	34	18967	25.35695	0.906017	0.062306	0.055117
GOTERM	GO:0047485~ protein N- terminus binding	4	6.060606	6.07E-03	TGFB1, TERT, PARP1, TP53	66	108	18967	10.64366	0.906972	0.062306	0.055117
GOTERM	GO:0051087~ chaperone binding	4	6.060606	0.006387	TERT, BAX, PLG, TP53	66	110	18967	10.45014	0.917817	0.063098	0.055818
GOTERM	GO:0043565~ sequence- specific DNA binding	6	9.090909	0.006472	VDR, PPARG, NR3C1, HIF1A, ESR1, ESR2	66	344	18967	5.012421	0.920511	0.063098	0.055818

GOTERM	GO:0034212~peptide N-acetyltransferase activity	2	3.030303	0.006842	CREBBP, EP300	66	2	18967	287.3788	0.931281	0.064659	0.057198
GOTERM	GO:0051287~NAD binding	3	4.545455	0.007129	HSD11B2, ALDH2, PARP1	66	37	18967	23.30098	0.938596	0.064659	0.057198
GOTERM	GO:0001221~transcription cofactor binding	3	4.545455	0.007129	EP300, PPARG, ESR1	66	37	18967	23.30098	0.938596	0.064659	0.057198
GOTERM	GO:0019838~growth factor binding	3	4.545455	0.008294	KDR, IL6ST, TGFBR1	66	40	18967	21.55341	0.961161	0.073519	0.065036
GOTERM	GO:0050661~NADP	3	4.545455	0.009539	HSD11B1, NOS2, NOS1	66	43	18967	20.04968	0.976203	0.082674	0.073135
GOTERM	GO:0051879~Hsp90 protein binding	3	4.545455	0.009972	KDR, NR3C1, HIF1A	66	44	18967	19.59401	0.979929	0.084543	0.074788
GOTERM	GO:0004517~nitric-oxide synthase activity	2	3.030303	0.010246	NOS2, NOS1	66	3	18967	191.5859	0.981988	0.085023	0.075213
GOTERM	GO:0042626~ATPase activity, coupled to transmembrane movement of substances	3	4.545455	0.01132	ABCC1, ABCB1, ABCG2	66	47	18967	18.34333	0.988204	0.091975	0.081362
GOTERM	GO:0005102~receptor binding	6	9.090909	0.013429	SRC, LRRK2, SERPINE1, PLG, F2, TGFBR1	66	412	18967	4.185128	0.99487	0.102291	0.090488
GOTERM	GO:0046943~carboxylic acid transmembrane transporter activity	2	3.030303	0.013639	ABCC1, ABCB1	66	4	18967	143.6894	0.995279	0.102291	0.090488
GOTERM	GO:0030284~estrogen receptor activity	2	3.030303	0.013639	ESR1, ESR2	66	4	18967	143.6894	0.995279	0.102291	0.090488
GOTERM	GO:0034617~tetrahydrobioplerin binding	2	3.030303	0.013639	NOS2, NOS1	66	4	18967	143.6894	0.995279	0.102291	0.090488
GOTERM	GO:0070888~E-box binding	3	4.545455	0.018015	PPARG, HIF1A, SREBF2	66	60	18967	14.36894	0.999166	0.132402	0.117125
GOTERM	GO:0003700~transcription factor activity, sequence-specific DNA binding	7	10.60606	0.018333	VDR, PPARG, NR3C1, HIF1A, ESR1, TP53, ESR2	66	613	18967	3.28165	0.999265	0.132402	0.117125
GOTERM	GO:0003684~damaged DNA binding	3	4.545455	0.022162	CREBBP, PARP1, EP300	66	67	18967	12.86771	0.99984	0.154041	0.136267
GOTERM	GO:0042277~peptide binding	3	4.545455	0.022784	OXTR, PPARG, OPRM1	66	68	18967	12.67848	0.999875	0.154041	0.136267
GOTERM	GO:0005518~collagen binding	3	4.545455	0.022784	MMP13, CTSK, MMP9	66	68	18967	12.67848	0.999875	0.154041	0.136267
GOTERM	GO:0000978~RNA polymerase II core promoter proximal region sequence-specific DNA binding	10	15.15152	0.022909	NCOA2, VDR, PPARG, NR3C1, HIF1A, ESR1, SIRT1, TP53, SREBF2, ESR2	66	1222	18967	2.351709	0.999881	0.154041	0.136267
GOTERM	GO:0097110~scaffold protein	3	4.545455	0.023413	SRC, NOS1, IL6ST	66	69	18967	12.49473	0.999903	0.154762	0.136904

GOTERM	GO:0008237~ metallopeptidase activity	3	4.545455	0.024692	MMP2, MMP3, MMP9	66	71	18967	12.14277	0.999942	0.160497	0.141979
GOTERM	GO:0046983~ protein dimerization activity	4	6.060606	0.026004	NCOA2, HIF1A, SREBF2, ABCG2	66	186	18967	6.180189	0.999966	0.166254	0.147071
GOTERM	GO:0030235~ nitric-oxide synthase regulator activity	2	3.030303	0.027094	ESR1, EGFR	66	8	18967	71.8447	0.999978	0.170432	0.150767
GOTERM	GO:0061733~ peptide-lysine-N-acetyltransferase activity	2	3.030303	0.03043	CREBBP, EP300	66	9	18967	63.86195	0.999994	0.188376	0.16664
GOTERM	GO:0051117~ ATPase binding	3	4.545455	0.035151	SRC, ESR1, EGFR	66	86	18967	10.02484	0.999999	0.214203	0.189488
GOTERM	GO:0005114~ type II transforming growth factor beta receptor binding	2	3.030303	0.037067	TGFB1, TGFB1	66	11	18967	52.25069	1	0.218272	0.193086
GOTERM	GO:0034618~ arginine binding	2	3.030303	0.037067	NOS2, NOS1	66	11	18967	52.25069	1	0.218272	0.193086
GOTERM	GO:0003677~ DNA binding	10	15.15152	0.037861	TERT, PARP1, VDR, EP300, PPARG, NR3C1, HIF1A, ESR1, TP53, ESR2	66	1337	18967	2.14943	1	0.218272	0.193086
GOTERM	GO:0044877~ macromolecular complex binding	5	7.575758	0.038058	TGFB1, CASP3, RIPK1, PRKCZ, PTPRF	66	370	18967	3.883497	1	0.218272	0.193086
GOTERM	GO:0008013~ beta-catenin binding	3	4.545455	0.039737	GSK3B, EP300, ESR1	66	92	18967	9.371047	1	0.221746	0.19616
GOTERM	GO:0097677~ STAT family protein	2	3.030303	0.040369	EP300, PPARG	66	12	18967	47.89646	1	0.221746	0.19616
GOTERM	GO:0004706~ JUN kinase kinase activity	2	3.030303	0.040369	LRRK2, RIPK1	66	12	18967	47.89646	1	0.221746	0.19616
GOTERM	GO:0004197~ cysteine-type endopeptidase activity	3	4.545455	0.045357	CASP3, CTSK, CTSD	66	99	18967	8.708448	1	0.241602	0.213725
GOTERM	GO:0016301~ kinase activity	4	6.060606	0.04536	GSK3B, LRRK2, EGFR, MTOR	66	232	18967	4.954807	1	0.241602	0.213725
GOTERM	GO:0016491~ oxidoreductase activity	4	6.060606	0.045842	HSD11B1, NOS2, NOS1, CYP3A4	66	233	18967	4.933541	1	0.241602	0.213725
GOTERM	GO:0030296~ protein tyrosine kinase activator activity	2	3.030303	0.04694	IL6ST, EGFR	66	14	18967	41.05411	1	0.244086	0.215922

Supplementary Table 7 Results of the pathways from KEGG enrichment analysis												
Category	Term	pathway	Count	%	PValue	Genes	Pop Hits	Pop Td	fold Enrichm	Benjamini	Benjamini	FDR
G_PATHV	hsa05200	Pathways in cancer	22	33.33333	2.94E-11	NTRK1, GSK3B, CREBBP, TGFB1, NOS2, MMP2, F2, HIF1A, ESR1, MMP9, EGFR, TGFB1, MTOR, ESR2, TERT, CASP3, BAX, EP300, PPARG, IL6ST, TP53, FGFR1	531	8644	5.77632	6.54E-09	6.54E-09	4.18E-09
G_PATHV	hsa05205	Proteoglycans in cancer	14	21.21212	1.24E-09	TGFB1, SRC, MMP2, HIF1A, ESR1, TNF, MMP9, EGFR, MTOR, CASP3, KDR, PTPN6, TP53, FGFR1	205	8644	9.521322	2.75E-07	1.37E-07	8.79E-08
G_PATHV	hsa05167	Kaposi sarcoma-associated herpesvirus infection	12	18.18182	8.61E-08	CCR1, GSK3B, CREBBP, SRC, CASP3, EP300, BAX, IL6ST, HIF1A, TP53, IKBKE, MTOR	194	8644	8.623878	1.91E-05	6.37E-06	4.07E-06
G_PATHV	hsa05161	Hepatitis B	11	16.66667	1.60E-07	CREBBP, TGFB1, SRC, CASP3, EP300, BAX, TNF, TP53, IKBKE, MMP9, TGFB1	162	8644	9.466746	3.56E-05	8.90E-06	5.70E-06
G_PATHV	hsa04926	Relaxin signaling pathway	10	15.15152	2.50E-07	TGFB1, MMP13, NOS2, SRC, MMP2, NOS1, PRKCZ, MMP9, EGFR, TGFB1	129	8644	10.8077	5.55E-05	1.11E-05	7.10E-06
G_PATHV	hsa05215	Prostate cancer	9	13.63636	3.39E-07	GSK3B, CREBBP, MMP3, EP300, TP53, MMP9, EGFR, MTOR, FGFR1	97	8644	12.93582	7.53E-05	1.16E-05	7.45E-06
G_PATHV	hsa01522	Endocrine resistance	9	13.63636	3.67E-07	SRC, MMP2, BAX, ESR1, TP53, MMP9, EGFR, ESR2, MTOR	98	8644	12.80382	8.15E-05	1.16E-05	7.45E-06
G_PATHV	hsa04919	Thyroid hormone signaling pathway	9	13.63636	1.85E-06	NCOA2, GSK3B, CREBBP, SRC, EP300, HIF1A, ESR1, TP53, MTOR	121	8644	10.37003	4.11E-04	4.86E-05	3.11E-05
G_PATHV	hsa05210	Colorectal cancer	8	12.12121	2.13E-06	GSK3B, TGFB1, CASP3, BAX, TP53, EGFR, TGFB1, MTOR	86	8644	12.96924	4.73E-04	4.86E-05	3.11E-05
G_PATHV	hsa05417	Lipid and atherosclerosis	11	16.66667	2.19E-06	GSK3B, SRC, CASP3, MMP3, BAX, PPARG, APOB, TNF, TP53, IKBKE, MMP9	215	8644	7.133083	4.86E-04	4.86E-05	3.11E-05
G_PATHV	hsa04520	Adherens junction	8	12.12121	3.61E-06	CREBBP, SRC, EP300, PTPN6, PTPRF, EGFR, TGFB1, FGFR1	93	8644	11.99306	8.02E-04	7.29E-05	4.66E-05
G_PATHV	hsa05152	Tuberculosis	10	15.15152	4.12E-06	CREBBP, TGFB1, NOS2, SRC, VDR, CASP3, EP300, BAX, TNF, CTSD	180	8644	7.74552	9.13E-04	7.47E-05	4.78E-05
G_PATHV	hsa04210	Apoptosis	9	13.63636	4.46E-06	NTRK1, PARP1, CASP3, CTSK, BAX, RIPK1, TNF, CTSD, TP53	136	8644	9.226281	9.89E-04	7.47E-05	4.78E-05
G_PATHV	hsa04915	Estrogen signaling pathway	9	13.63636	4.71E-06	NCOA2, SRC, MMP2, OPRM1, ESR1, CTSD, MMP9, EGFR, ESR2	137	8644	9.158936	1.05E-03	7.47E-05	4.78E-05
G_PATHV	hsa04933	AGE-RAGE signaling pathway in diabetic complications	8	12.12121	5.87E-06	TGFB1, CASP3, MMP2, SERPINE1, BAX, TNF, PRKCZ, TGFB1	100	8644	11.15355	1.30E-03	8.69E-05	5.56E-05
G_PATHV	hsa05226	Gastric cancer	9	13.63636	8.78E-06	GSK3B, TGFB1, ABCB1, TERT, BAX, TP53, EGFR, TGFB1, MTOR	149	8644	8.421303	1.95E-03	1.22E-04	7.79E-05
G_PATHV	hsa05165	Human papillomavirus infection	12	18.18182	1.65E-05	GSK3B, CREBBP, TERT, CASP3, EP300, BAX, TNF, TP53, PRKCZ, IKBKE, EGFR, MTOR	331	8644	5.054478	3.66E-03	2.16E-04	1.38E-04

G_PATHV	hsa05163	Human cytomegalovirus infection	10	15.15152	2.50E-05	CCR1, GSK3B, SRC, CASP3, BAX, RIPK1, TNF, TP53, EGFR, MTOR	225	8644	6.196416	5.53E-03	3.08E-04	1.97E-04
G_PATHV	hsa04657	IL-17 signaling pathway	7	10.60606	4.83E-05	GSK3B, MMP13, CASP3, MMP3, TNF, IKBKE, MMP9	94	8644	10.38229	1.07E-02	5.64E-04	3.61E-04
G_PATHV	hsa05206	MicroRNAs in cancer	11	16.66667	5.40E-05	ABCC1, CREBBP, ABCB1, CASP3, EP300, MDM4, SIRT1, TP53, MMP9, EGFR, MTOR	310	8644	4.947138	1.19E-02	6.00E-04	3.84E-04
G_PATHV	hsa05224	Breast cancer	8	12.12121	7.22E-05	GSK3B, BAX, ESR1, TP53, EGFR, ESR2, MTOR, FGFR1	147	8644	7.587448	1.59E-02	7.63E-04	4.88E-04
G_PATHV	hsa05415	Diabetic cardiomyopathy	9	13.63636	8.16E-05	GSK3B, TGFB1, PARP1, MMP2, CTSD, PRKCZ, MMP9, TGFB1, MTOR	203	8644	6.181154	1.79E-02	8.23E-04	5.26E-04
G_PATHV	hsa04066	HIF-1 signaling pathway	7	10.60606	1.11E-04	CREBBP, NOS2, SERPINE1, EP300, HIF1A, EGFR, MTOR	109	8644	8.953537	2.43E-02	1.05E-03	6.73E-04
G_PATHV	hsa05160	Hepatitis C	8	12.12121	1.14E-04	GSK3B, CASP3, BAX, RIPK1, TNF, TP53, IKBKE, EGFR	158	8644	7.059208	2.49E-02	1.05E-03	6.73E-04
G_PATHV	hsa05230	Central carbon metabolism in cancer	6	9.090909	1.26E-04	NTRK1, HIF1A, TP53, EGFR, MTOR, FGFR1	70	8644	11.95023	2.76E-02	1.12E-03	7.16E-04
G_PATHV	hsa04115	p53 signaling pathway	6	9.090909	1.64E-04	CASP3, IGFBP3, SERPINE1, BAX, MDM4, TP53	74	8644	11.30427	0.035822	1.37E-03	8.77E-04
G_PATHV	hsa05225	Hepatocellular carcinoma	8	12.12121	1.67E-04	GSK3B, TGFB1, TERT, BAX, TP53, EGFR, TGFB1, MTOR	168	8644	6.639017	0.036349	1.37E-03	8.77E-04
G_PATHV	hsa05212	Pancreatic cancer	6	9.090909	1.86E-04	TGFB1, BAX, TP53, EGFR, TGFB1, MTOR	76	8644	11.00679	0.040544	1.43E-03	9.16E-04
G_PATHV	hsa05219	Bladder cancer	5	7.575758	1.87E-04	SRC, MMP2, TP53, MMP9, EGFR	41	8644	17.00236	0.040669	1.43E-03	9.16E-04
G_PATHV	hsa01521	EGFR tyrosine kinase inhibitor resistance	6	9.090909	2.24E-04	GSK3B, SRC, KDR, BAX, EGFR, MTOR	79	8644	10.58881	0.048467	1.66E-03	1.06E-03
G_PATHV	hsa05202	Transcriptional misregulation in cancer	8	12.12121	3.90E-04	NTRK1, IGFBP3, MMP3, BAX, PPARG, MPO, TP53, MMP9	193	8644	5.779041	0.083024	2.80E-03	1.79E-03
G_PATHV	hsa05418	Fluid shear stress and atherosclerosis	7	10.60606	4.17E-04	SRC, MMP2, KDR, TNF, TP53, PRKCZ, MMP9	139	8644	7.021119	0.088385	2.89E-03	1.85E-03
G_PATHV	hsa04936	Alcoholic liver disease	7	10.60606	4.67E-04	GSK3B, ALDH2, CASP3, RIPK1, SIRT1, TNF, IKBKE	142	8644	6.872785	0.098526	3.14E-03	2.01E-03
G_PATHV	hsa05207	Chemical carcinogenesis - receptor activation	8	12.12121	6.85E-04	SRC, VDR, CYP3A4, ESR1, IKBKE, EGFR, ESR2, MTOR	212	8644	5.261108	0.141189	4.48E-03	2.86E-03
G_PATHV	hsa04218	Cellular senescence	7	10.60606	7.68E-04	TGFB1, IGFBP3, SERPINE1, SIRT1, TP53, TGFB1, MTOR	156	8644	6.255997	0.156858	4.87E-03	3.12E-03
G_PATHV	hsa05166	Human T-cell leukemia virus 1 infection	8	12.12121	9.00E-04	CREBBP, TGFB1, TERT, EP300, BAX, TNF, TP53, TGFB1	222	8644	5.024121	0.181159	5.55E-03	3.55E-03
G_PATHV	hsa04010	MAPK signaling pathway	9	13.63636	1.16E-03	NTRK1, TGFB1, CASP3, KDR, TNF, TP53, EGFR, TGFB1, FGFR1	301	8644	4.168685	0.227727	6.87E-03	4.40E-03
G_PATHV	hsa01523	Antifolate resistance	4	6.060606	1.19E-03	ABCC1, TYMS, TNF, ABCG2	30	8644	18.58925	0.231507	6.87E-03	4.40E-03
G_PATHV	hsa04668	TNF signaling pathway	6	9.090909	1.21E-03	MMP14, CASP3, MMP3, RIPK1, TNF, MMP9	114	8644	7.337861	0.23522	6.87E-03	4.40E-03
G_PATHV	hsa05164	Influenza A	7	10.60606	1.24E-03	CREBBP, CASP3, EP300, BAX, PLG, TNF, IKBKE	171	8644	5.707225	0.240559	6.88E-03	4.40E-03
G_PATHV	hsa04071	Sphingolipid signaling pathway	6	9.090909	1.57E-03	ABCC1, BAX, TNF, CTSD, TP53, PRKCZ	121	8644	6.913356	0.295166	8.52E-03	5.45E-03
G_PATHV	hsa05131	Shigellosis	8	12.12121	1.67E-03	GSK3B, SRC, BAX, RIPK1, TNF, TP53, EGFR, MTOR	247	8644	4.515607	0.310308	8.84E-03	5.65E-03
G_PATHV	hsa05216	Thyroid cancer	4	6.060606	2.19E-03	NTRK1, BAX, PPARG, TP53	37	8644	15.07236	0.385428	1.13E-02	7.21E-03
G_PATHV	hsa04068	FoxO signaling pathway	6	9.090909	2.23E-03	CREBBP, TGFB1, EP300, SIRT1, EGFR, TGFB1	131	8644	6.385619	0.391307	1.13E-02	7.21E-03
G_PATHV	hsa05130	Pathogenic Escherichia coli infection	7	10.60606	2.61E-03	SRC, CASP3, BAX, PTPN6, RIPK1, F2, TNF	198	8644	4.928967	0.440061	1.29E-02	8.23E-03
G_PATHV	hsa05203	Viral carcinogenesis	7	10.60606	3.03E-03	CREBBP, SRC, CASP3, EP300, BAX, IL6ST, TP53	204	8644	4.783997	0.489862	1.46E-02	9.35E-03
G_PATHV	hsa04211	Longevity regulating pathway	5	7.575758	3.50E-03	BAX, PPARG, SIRT1, TP53, MTOR	89	8644	7.832548	0.541317	1.66E-02	1.06E-02
G_PATHV	hsa04932	Non-alcoholic fatty liver disease	6	9.090909	4.61E-03	GSK3B, TGFB1, CASP3, BAX, PPARG, TNF	155	8644	5.396878	0.641473	2.13E-02	1.36E-02
G_PATHV	hsa04148	Efferocytosis	6	9.090909	4.74E-03	TGFB1, CASP3, PTPN6, PPARG, HIF1A, SIRT1	156	8644	5.362283	0.651503	2.15E-02	1.37E-02
G_PATHV	hsa05142	Chagas disease	5	7.575758	5.70E-03	TGFB1, NOS2, SERPINE1, TNF, TGFB1	102	8644	6.834282	0.718845	2.53E-02	1.62E-02
G_PATHV	hsa04630	JAK-STAT signaling pathway	6	9.090909	6.15E-03	CREBBP, EP300, PTPN6, IL6ST, EGFR, MTOR	166	8644	5.039254	0.745779	2.68E-02	1.71E-02
G_PATHV	hsa04928	Parathyroid hormone synthesis, secretion and	5	7.575758	6.52E-03	MMP14, MMP13, VDR, EGFR, FGFR1	106	8644	6.576385	0.766188	2.79E-02	1.78E-02
G_PATHV	hsa04659	Th17 cell differentiation	5	7.575758	6.97E-03	TGFB1, IL6ST, HIF1A, TGFB1, MTOR	108	8644	6.4546	0.788138	2.81E-02	1.80E-02

G_PATHV	hsa04350	TGF-beta signaling pathway	5	7.575758	6.97E-03	CREBBP, TGFB1, EP300, TNF, TGFB1	108	8644	6.4546	0.788138	2.81E-02	1.80E-02
G_PATHV	hsa04931	Insulin resistance	5	7.575758	6.97E-03	GSK3B, TNF, PRKCZ, PTPRF, MTOR	108	8644	6.4546	0.788138	2.81E-02	1.80E-02
G_PATHV	hsa05213	Endometrial cancer	4	6.060606	7.83E-03	GSK3B, BAX, TP53, EGFR	58	8644	9.615128	0.825511	3.11E-02	1.99E-02
G_PATHV	hsa04020	Calcium signaling pathway	7	10.60606	8.56E-03	NTRK1, OXTR, NOS2, KDR, NOS1, EGFR, FGFR1	253	8644	3.857453	0.851827	3.34E-02	2.13E-02
G_PATHV	hsa00140	Steroid hormone biosynthesis	4	6.060606	9.41E-03	HSD11B1, HSD11B2, CYP3A4, CYP19A1	62	8644	8.994797	0.877477	0.036027	2.30E-02
G_PATHV	hsa04935	Growth hormone synthesis, secretion and action	5	7.575758	1.00E-02	GSK3B, CREBBP, IGFBP3, EP300, MTOR	120	8644	5.80914	0.89333	0.037742	2.41E-02
G_PATHV	hsa05211	Renal cell carcinoma	4	6.060606	1.26E-02	CREBBP, TGFB1, EP300, HIF1A	69	8644	8.082281	0.940014	0.046598	2.98E-02
G_PATHV	hsa04917	Prolactin signaling pathway	4	6.060606	1.31E-02	GSK3B, SRC, ESR1, ESR2	70	8644	7.96682	0.94638	0.04765	3.05E-02
G_PATHV	hsa05169	Epstein-Barr virus infection	6	9.090909	1.37E-02	CASP3, BAX, RIPK1, TNF, TP53, IKBKE	202	8644	4.141169	0.953102	0.049013	3.14E-02
G_PATHV	hsa05218	Melanoma	4	6.060606	1.41E-02	BAX, TP53, EGFR, FGFR1	72	8644	7.74552	0.957486	0.049771	3.18E-02
G_PATHV	hsa04380	Osteoclast differentiation	5	7.575758	1.49E-02	TGFB1, CTSK, PPARG, TNF, TGFB1	135	8644	5.16368	0.964676	0.051846	3.32E-02
G_PATHV	hsa05214	Glioma	4	6.060606	1.58E-02	BAX, TP53, EGFR, MTOR	75	8644	7.435699	0.970566	0.053785	0.034403
G_PATHV	hsa05162	Measles	5	7.575758	1.61E-02	GSK3B, CASP3, BAX, TP53, IKBKE	138	8644	5.051426	0.972667	0.053785	0.034403
G_PATHV	hsa05220	Chronic myeloid leukemia	4	6.060606	1.63E-02	TGFB1, BAX, TP53, TGFB1	76	8644	7.337861	0.974098	0.053785	0.034403
G_PATHV	hsa04371	Apelin signaling pathway	5	7.575758	1.65E-02	NOS2, SERPINE1, NOS1, TGFB1, MTOR	139	8644	5.015085	0.974975	0.053785	0.034403
G_PATHV	hsa05140	Leishmaniasis	4	6.060606	1.69E-02	TGFB1, NOS2, PTPN6, TNF	77	8644	7.242564	0.977265	0.054374	0.03478
G_PATHV	hsa05016	Huntington disease	7	10.60606	2.03E-02	CREBBP, CASP3, EP300, BAX, PPARG, TP53, MTOR	306	8644	3.189332	0.989536	0.064475	0.041241
G_PATHV	hsa04012	ErbB signaling pathway	4	6.060606	2.19E-02	GSK3B, SRC, EGFR, MTOR	85	8644	6.560911	0.992727	0.068583	0.043869
G_PATHV	hsa05171	Coronavirus disease - COVID-19	6	9.090909	2.35E-02	MMP3, F2, IL6ST, TNF, IKBKE, EGFR	232	8644	3.605673	0.994869	0.072367	0.046289
G_PATHV	hsa04390	Hippo signaling pathway	5	7.575758	2.46E-02	GSK3B, TGFB1, SERPINE1, PRKCZ, TGFB1	157	8644	4.440107	0.995988	0.073191	0.046816
G_PATHV	hsa04110	Cell cycle	5	7.575758	2.46E-02	GSK3B, CREBBP, TGFB1, EP300, TP53	157	8644	4.440107	0.995988	0.073191	0.046816
G_PATHV	hsa05235	PD-L1 expression and PD-1 checkpoint pathway in cancer	4	6.060606	2.47E-02	PTPN6, HIF1A, EGFR, MTOR	89	8644	6.266038	0.996145	0.073191	0.046816
G_PATHV	hsa05222	Small cell lung cancer	4	6.060606	2.69E-02	NOS2, CASP3, BAX, TP53	92	8644	6.061711	0.997673	0.078698	0.050339
G_PATHV	hsa04912	GnRH signaling pathway	4	6.060606	0.027703	MMP14, SRC, MMP2, EGFR	93	8644	5.996531	0.998044	0.078847	0.050434
G_PATHV	hsa05323	Rheumatoid arthritis	4	6.060606	0.027703	TGFB1, CTSK, MMP3, TNF	93	8644	5.996531	0.998044	0.078847	0.050434
G_PATHV	hsa04310	Wnt signaling pathway	5	7.575758	0.034058	GSK3B, CREBBP, EP300, SIRT1, TP53	174	8644	4.006303	0.999544	0.095707	0.061218
G_PATHV	hsa05146	Amoebiasis	4	6.060606	0.035068	TGFB1, NOS2, CASP3, TNF	102	8644	5.467426	0.999638	0.097314	0.062246
G_PATHV	hsa02010	ABC transporters	3	4.545455	0.039942	ABCC1, ABCB1, ABCG2	45	8644	9.294624	0.999883	0.10829	0.069267
G_PATHV	hsa04151	PI3K-Akt signaling pathway	7	10.60606	0.040122	NTRK1, GSK3B, KDR, TP53, EGFR, MTOR, FGFR1	359	8644	2.718483	0.999887	0.10829	0.069267
G_PATHV	hsa04620	Toll-like receptor signaling pathway	4	6.060606	0.040487	CTSK, RIPK1, TNF, IKBKE	108	8644	5.16368	0.999896	0.10829	0.069267
G_PATHV	hsa04930	Type II diabetes mellitus	3	4.545455	0.041572	TNF, PRKCZ, MTOR	46	8644	9.092567	0.999919	0.109869	0.070277
G_PATHV	hsa05014	Amyotrophic lateral sclerosis	7	10.60606	0.042461	NOS2, CASP3, BAX, NOS1, TNF, TP53, MTOR	364	8644	2.681141	0.999934	0.110899	0.070935
G_PATHV	hsa05145	Toxoplasmosis	4	6.060606	0.043347	TGFB1, NOS2, CASP3, TNF	111	8644	5.024121	0.999947	0.111896	0.071573
G_PATHV	hsa00330	Arginine and proline	3	4.545455	0.048334	ALDH2, NOS2, NOS1	50	8644	8.365161	0.999983	0.123335	0.07889
G_PATHV	hsa05022	Pathways of neurodegeneration - multiple diseases	8	12.12121	0.049187	GSK3B, NOS2, CASP3, LRRK2, BAX, NOS1, TNF, MTOR	476	8644	2.343182	0.999986	0.124086	0.079371

Supplementary Table 8 Details of targets and components for molecular docking						
Target	PDB ID	Center coordinates	Docking grid box size	Compounds Mol ID	PubChem ID	Compounds Name
PPARG	1fm6	18.12,-15.81,3.01	47.26,52.53,61.26	MOL000358	222284	beta-sitosterol
HIF1A	519b	5.83,15.91,0.61	22.07,19.50,34.63	MOL005503	46191017	Cornudentanone
ESR1	1a52	101.15,23.01,97.18	56.21,75.75,34.44	MOL002883	5363269	Ethyl oleate
TGFB1	4kv5	20.27,28.31,10.89	63.87,35.72,35.79	MOL005530	5318214	Hydroxygenkwanin
TNF	1tnf	19.95,49.68,39.93	61.27,63.26,60.65	MOL005557	11190577	lanosta-8,24-dien-3- ol,3-acetate
SRC	1a07	44.80,18.24,19.23	37.90,28.58,37.02	MOL003137	442659	Leucanthoside
CASP3	1cp3	10.35, 7.49, 22.20	59.48, 59.43, 67.90	MOL001494	5282184	Mandenol
EGFR	1m14	26.20,9.51,58.60	56.75, 64.35, 49.34	MOL001771	457801	poriferast-5-en- 3beta-ol
TP53	5o1e	98.13,82.80,-30.17	38.96,45.60,47.02	MOL000359	12303645	sitosterol
				MOL000449	5280794	Stigmasterol