

Table S2. Network pharmacology predictions revealed that betel nut targets 141 genes

compound	Target ID	P-Value	Max Tc	Cut Sum	Z-Score	Name	Descriptor	Target ID
2,5-Dihydroxybenzaldehyde	CP2C8_HUMAN	9.4E-07	0.2857	0.2857	10.3704	CYP2C8	Cytochrome	CP2C8
2,5-Dihydroxybenzaldehyde	ERN1_HUMAN	3.77E-75	0.64	32.3901	133.1635	ERN1	Serine/threonine	ERN1
2,5-Dihydroxybenzaldehyde	ESR1_HUMAN	5.34E-14	0.4444	17.2198	23.3776	ESR1	Estrogen receptor	ESR1
2,5-Dihydroxybenzaldehyde	TTHY_HUMAN	3.85E-11	0.3793	1.5766	18.2482	TTR	Transthyretin	TTHY
2-Chloro-DL-Phenylalanine	ACES_HUMAN	4E-08	0.4211	12.6543	12.8322	ACHE	Acetylcholinesterase	ACES
2-Chloro-DL-Phenylalanine	CP19A_HUMAN	1.47E-06	0.4516	6.7303	10.0229	CYP19A1	Aromatase	CP19A
2-Chloro-DL-Phenylalanine	CP1A2_HUMAN	1.34E-14	1	29.8872	24.4516	CYP1A2	Cytochrome	CP1A2
2-Chloro-DL-Phenylalanine	CP2C9_HUMAN	1.4E-08	0.4571	13.8788	13.6483	CYP2C9	Cytochrome	CP2C9
2-Chloro-DL-Phenylalanine	CP2CJ_HUMAN	1.91E-11	0.4706	23.5972	18.7942	CYP2C19	Cytochrome	CP2CJ
2-Chloro-DL-Phenylalanine	DNM3A_HUMAN	2.85E-06	0.2857	0.2857	9.5055	DNMT3A	DNA (cytosine)	DNM3A
2-Chloro-DL-Phenylalanine	EST2_HUMAN	5.28E-10	0.3571	1.8751	16.2063	CES2	Cocaine esterase	EST2
2-Chloro-DL-Phenylalanine	GSTM2_HUMAN	1.6E-09	0.3878	0.7603	15.3397	GSTM2	Glutathione S-transferase	GSTM2
2-Chloro-DL-Phenylalanine	GSTP1_HUMAN	7.86E-06	0.3878	0.7603	8.7139	GSTP1	Glutathione S-transferase	GSTP1
2-Chloro-DL-Phenylalanine	HS71A_HUMAN	4.38E-07	0.3529	0.3529	10.9655	HSPA1A	Heat shock protein	HS71A
2-Chloro-DL-Phenylalanine	HS90A_HUMAN	4.17E-07	0.5588	8.0925	11.0034	HSP90AA1	Heat shock protein	HS90A
2-Chloro-DL-Phenylalanine	LDLR_HUMAN	2.26E-06	0.2909	0.2909	9.6861	LDLR	Low-density lipoprotein receptor	LDLR
2-Chloro-DL-Phenylalanine	NR4A1_HUMAN	5.3E-08	0.3529	0.9281	12.6122	NR4A1	Nuclear receptor	NR4A1
2-Chloro-DL-Phenylalanine	RARA_HUMAN	2.17E-10	0.4419	2.5183	16.899	RARA	Retinoic acid receptor	RARA
2-Chloro-DL-Phenylalanine	S22A2_HUMAN	3.1E-07	0.4222	0.4222	11.2349	SLC22A2	Solute carrier	S22A2
2-Chloro-DL-Phenylalanine	SMAD3_HUMAN	1E-10	0.4318	0.4318	17.4999	SMAD3	Mothers against decapentaplegic	SMAD3
2-Chloro-DL-Phenylalanine	STAT1_HUMAN	4.26E-12	0.4091	1.9885	19.9642	STAT1	Signal transducer	STAT1
2-Chloro-DL-Phenylalanine	TLR4_HUMAN	7.79E-10	0.3091	1.1811	15.9027	TLR4	Toll-like receptor	TLR4
2-Chloro-DL-Phenylalanine	XBP1_HUMAN	1.6E-07	0.3333	2.7149	11.7509	XBP1	X-box-binding protein	XBP1
2-Hydroxybutanoic acid	ACE2_HUMAN	5.56E-06	0.3226	0.6038	8.9849	ACE2	Angiotensin-converting enzyme	ACE2
2-Hydroxybutanoic acid	GSH1_HUMAN	1.79E-54	0.303	0.8913	96.0447	GCLC	Glutamate-cysteine ligase	GSH1
2-Pentylfuran	PER2_HUMAN	1.28E-10	0.3214	0.9148	17.3095	PER2	Period circadian clock	PER2
3,4-Dihydroxybenzaldehyde	A4_HUMAN	9.85E-19	0.4348	12.6837	31.8777	APP	Amyloid-beta	A4
3,4-Dihydroxybenzaldehyde	CH60_HUMAN	6.38E-20	0.35	0.6988	34.0117	HSPD1	60 kDa heat shock protein	CH60
3,4-Dihydroxybenzaldehyde	CP2C8_HUMAN	6.71E-07	0.2927	0.2927	10.6333	CYP2C8	Cytochrome	CP2C8
3,4-Dihydroxybenzaldehyde	EGFR_HUMAN	7.05E-07	0.5714	17.6339	10.5948	EGFR	Epidermal growth factor receptor	EGFR
3,4-Dihydroxybenzaldehyde	ERN1_HUMAN	5.12E-34	0.4286	14.604	59.3168	ERN1	Serine/threonine kinase	ERN1
3,4-Dihydroxybenzaldehyde	FOS_HUMAN	8.02E-07	0.3226	0.6384	10.4935	FOS	Proto-oncogene	FOS
3,4-Dihydroxybenzaldehyde	MMP9_HUMAN	3.08E-06	0.5357	7.9102	9.4437	MMP9	Matrix metalloproteinase	MMP9

3,4-Dihydroxybenzaldehyde	NF2L2_HUMAN	8.57E-11	0.3333	1.265	17.6237	NFE2L2	Nuclear fac NF2L2
3,4-Dihydroxybenzaldehyde	NFKB1_HUMAN	1.04E-07	0.3158	0.6158	12.0899	NFKB1	Nuclear fac NFKB1
3,4-Dihydroxybenzaldehyde	PAI1_HUMAN	2.18E-08	0.3667	1.8761	13.3058	SERPINE1	Plasminoge PAI1
3,4-Dihydroxybenzaldehyde	PPBT_HUMAN	5E-06	0.4828	1.9153	9.0669	ALPL	Alkaline pt PPBT
3,4-Dihydroxybenzaldehyde	SDF1_HUMAN	1.9E-08	0.4286	0.4286	13.4105	CXCL12	Stromal cel SDF1
3,4-Dihydroxybenzaldehyde	SYUA_HUMAN	1.44E-18	0.4839	4.2966	31.5831	SNCA	Alpha-synu SYUA
3,4-Dihydroxybenzaldehyde	TTHY_HUMAN	7.55E-15	0.4571	2.1291	24.9055	TTR	Transthyret TTHY
3-Ethyl-1,2-benzenediol	CREB1_HUMAN	6.33E-15	0.2826	0.2826	25.0369	CREB1	Cyclic AM CREB1
3-Ethyl-1,2-benzenediol	DOPO_HUMAN	4.06E-29	0.4583	1.166	50.522	DBH	Dopamine l DOPO
3-Ethyl-1,2-benzenediol	PERM_HUMAN	5.4E-09	0.3448	2.1428	14.3934	MPO	Myelopero: PERM
3-Ethyl-1,2-benzenediol	TTHY_HUMAN	1.76E-06	0.3077	0.8824	9.8835	TTR	Transthyret TTHY
4-Hydroxybenzaldehyde	A4_HUMAN	1.39E-08	0.5	5.7962	13.6582	APP	Amyloid-b A4
4-Hydroxybenzaldehyde	CP1B1_HUMAN	6.32E-07	0.4583	1.4702	10.68	CYP1B1	Cytochrom CP1B1
4-Hydroxybenzaldehyde	ERN1_HUMAN	1.05E-08	0.3429	3.6586	13.8718	ERN1	Serine/thre ERN1
4-Hydroxybenzaldehyde	ESR1_HUMAN	8.18E-10	0.4583	12.1753	15.8642	ESR1	Estrogen re ESR1
4-Hydroxybenzaldehyde	MIF_HUMAN	5.23E-19	0.3548	4.1638	32.3712	MIF	Macrophag MIF
4-Hydroxybenzaldehyde	MMP9_HUMAN	3.37E-06	0.4	7.864	9.3752	MMP9	Matrix met MMP9
4-Hydroxybenzaldehyde	SDF1_HUMAN	1.76E-07	0.375	0.375	11.6786	CXCL12	Stromal cel SDF1
4-Hydroxybenzaldehyde	TTHY_HUMAN	2.62E-10	0.4583	1.4524	16.7513	TTR	Transthyret TTHY
4-Hydroxyphenylacetylglutamic ac	ACE2_HUMAN	1.3E-102	0.4286	11.4805	182.4645	ACE2	Angiotensin ACE2
4-Hydroxyphenylacetylglutamic ac	ANF_HUMAN	9.99E-16	0.2931	0.5808	26.4687	NPPA	Natriuretic ANF
4-Hydroxyphenylacetylglutamic ac	CASP1_HUMAN	1.1E-18	0.371	9.2704	31.7917	CASP1	Caspase-1 CASP1
4-Hydroxyphenylacetylglutamic ac	CASP9_HUMAN	1.13E-09	0.3425	0.6425	15.6115	CASP9	Caspase-9 CASP9
4-Hydroxyphenylacetylglutamic ac	CATL1_HUMAN	5.68E-09	0.3729	8.3273	14.3532	CTSL	Cathepsin I CATL1
4-Hydroxyphenylacetylglutamic ac	ESR1_HUMAN	6E-09	0.3929	11.1325	14.311	ESR1	Estrogen re ESR1
4-Hydroxyphenylacetylglutamic ac	GLUT4_HUMAN	1.28E-40	0.339	0.661	71.1721	SLC2A4	Solute carri GLUT4
4-Hydroxyphenylacetylglutamic ac	GRIA1_HUMAN	1.85E-39	0.4182	5.3896	69.0883	GRIA1	Glutamate r GRIA1
4-Hydroxyphenylacetylglutamic ac	GSHR_HUMAN	5.75E-06	0.4468	0.4468	8.958	GSR	Glutathione GSHR
4-Hydroxyphenylacetylglutamic ac	GSTM1_HUMAN	6.61E-22	0.35	0.35	37.5744	GSTM1	Glutathione GSTM1
4-Hydroxyphenylacetylglutamic ac	GSTP1_HUMAN	8.22E-11	0.3115	1.4797	17.6561	GSTP1	Glutathione GSTP1
4-Hydroxyphenylacetylglutamic ac	HDAC1_HUMAN	7.09E-07	0.3617	12.2783	10.5897	HDAC1	Histone de HDAC1
4-Hydroxyphenylacetylglutamic ac	HMDH_HUMAN	2.22E-16	0.4531	4.3776	27.5113	HMGCR	3-hydroxy- HMDH
4-Hydroxyphenylacetylglutamic ac	IL1B_HUMAN	6.66E-16	0.3016	0.3016	26.7357	IL1B	Interleukin IL1B
4-Hydroxyphenylacetylglutamic ac	ITB1_HUMAN	2.46E-24	0.5306	16.208	41.9344	ITGB1	Integrin bet ITB1
4-Hydroxyphenylacetylglutamic ac	MMP13_HUMAN	3.91E-18	0.4815	24.0685	30.8026	MMP13	Collagenas MMP13
4-Hydroxyphenylacetylglutamic ac	MMP2_HUMAN	3.78E-25	0.4815	37.4593	43.3961	MMP2	72 kDa typ MMP2
4-Hydroxyphenylacetylglutamic ac	MMP3_HUMAN	5.55E-16	0.4815	16.8152	27.0124	MMP3	Stromelysin MMP3

4-Hydroxyphenylacetylglutamic ac	MMP9_HUMAN	7.57E-12	0.4194	14.7083	19.5158	MMP9	Matrix met MMP9
4-Hydroxyphenylacetylglutamic ac	MPIP2_HUMAN	7.55E-09	0.3729	2.6927	14.132	CDC25B	M-phase in MPIP2
4-Hydroxyphenylacetylglutamic ac	PCNA_HUMAN	1.09E-54	0.3529	3.099	96.4291	PCNA	Proliferatin PCNA
4-Hydroxyphenylacetylglutamic ac	SRC_HUMAN	4.14E-07	0.4576	10.6716	11.0105	SRC	Proto-onco, SRC
4-Hydroxyphenylacetylglutamic ac	THA_HUMAN	1.29E-13	0.3621	4.9282	22.6923	THRA	Thyroid ho THA
4-Hydroxyphenylacetylglutamic ac	TY3H_HUMAN	2.14E-18	0.2917	0.2917	31.2729	TH	Tyrosine 3- TY3H
4-Methylbenzaldehyde	ALBU_HUMAN	5.37E-07	0.2973	0.2973	10.8074	ALB	Serum albu ALBU
4-Methylbenzaldehyde	EST2_HUMAN	5.15E-06	0.4091	1.0886	9.0438	CES2	Cocaine est EST2
4-Methylbenzaldehyde	NF2L2_HUMAN	3.34E-24	0.4583	2.9288	41.698	NFE2L2	Nuclear fac NF2L2
4-Methylbenzaldehyde	SDF1_HUMAN	3.93E-06	0.3	0.3	9.2541	CXCL12	Stromal cel SDF1
5-Aminovaleric acid	DCOR_HUMAN	1.89E-09	0.3571	0.3571	15.2116	ODC1	Ornithine d DCOR
5-Aminovaleric acid	FABP4_HUMAN	5.88E-11	0.3438	2.7443	17.917	FABP4	Fatty acid-l FABP4
5-Aminovaleric acid	GSHR_HUMAN	1.26E-07	0.2973	0.5868	11.9378	GSR	Glutathione GSHR
5-Aminovaleric acid	HMDH_HUMAN	1.28E-07	0.3929	1.9872	11.922	HMGCR	3-hydroxy- HMDH
6-Amino-2-oxohexanoate	DCOR_HUMAN	7.17E-09	0.3333	0.3333	14.1722	ODC1	Ornithine d DCOR
6-Amino-2-oxohexanoate	EST2_HUMAN	1.66E-12	0.375	2.3682	20.6967	CES2	Cocaine est EST2
6-Aminocaproic acid	DCOR_HUMAN	3.77E-09	0.3448	0.3448	14.674	ODC1	Ornithine d DCOR
6-Aminocaproic acid	FABP4_HUMAN	1E-09	0.3333	2.4236	15.7053	FABP4	Fatty acid-l FABP4
6-Aminocaproic acid	GSHR_HUMAN	7.6E-08	0.3158	0.6053	12.3315	GSR	Glutathione GSHR
6-Aminocaproic acid	HMDH_HUMAN	2.83E-08	0.4286	2.1678	13.1002	HMGCR	3-hydroxy- HMDH
8,9-DiHETrE	CNR1_HUMAN	6E-15	0.5833	29.2203	25.0782	CNR1	Cannabinoid CNR1
8,9-DiHETrE	EST2_HUMAN	4.09E-11	0.325	2.0939	18.1994	CES2	Cocaine est EST2
8,9-DiHETrE	HMDH_HUMAN	8.02E-12	0.4444	3.1446	19.4704	HMGCR	3-hydroxy- HMDH
8,9-DiHETrE	PPARA_HUMAN	3.34E-08	0.7812	10.0072	12.9732	PPARA	Peroxisome PPARA
8,9-DiHETrE	PPARG_HUMAN	2.74E-08	0.7812	13.9278	13.1278	PPARG	Peroxisome PPARG
8-Geranyloxypsoralen	CP1A1_HUMAN	1.24E-09	0.5439	0.8772	15.5418	CYP1A1	Cytochrome CP1A1
8-Geranyloxypsoralen	CP1B1_HUMAN	3.41E-06	0.8125	1.3037	9.3649	CYP1B1	Cytochrome CP1B1
8-Geranyloxypsoralen	NFKB1_HUMAN	3.18E-08	0.3333	0.6606	13.0109	NFKB1	Nuclear fac NFKB1
Argininosuccinate	ARG1_HUMAN	6.93E-49	0.3182	0.6123	86.0113	ARG1	Arginase-1 ARG1
Argininosuccinate	DCOR_HUMAN	2.72E-08	0.3095	0.3095	13.1328	ODC1	Ornithine d DCOR
Argininosuccinate	GSTM1_HUMAN	1.33E-18	0.2951	0.2951	31.6419	GSTM1	Glutathione GSTM1
Argininosuccinate	GSTP1_HUMAN	1.25E-06	0.2951	0.8759	10.1506	GSTP1	Glutathione GSTP1
Argininosuccinate	NOS2_HUMAN	4.44E-13	0.5526	6.8601	21.7268	NOS2	Nitric oxide NOS2
Argininosuccinate	NOS3_HUMAN	3.13E-10	0.5526	3.1307	16.6127	NOS3	Nitric oxide NOS3
Benzaldehyde	AOFB_HUMAN	4.63E-06	0.4737	7.3139	9.1278	MAOB	Amine oxid AOFB
Benzaldehyde	DOPO_HUMAN	1.67E-08	0.3182	0.3182	13.5108	DBH	Dopamine l DOPO
Benzaldehyde	EST2_HUMAN	2.17E-08	0.35	1.557	13.3097	CES2	Cocaine est EST2

Benzaldehyde	NF2L2_HUMAN	1.11E-16	0.3462	1.9865	28.0628	NFE2L2	Nuclear fac NF2L2
Benzaldehyde	TF65_HUMAN	2.13E-06	0.3462	1.0027	9.7326	RELA	Transcripti TF65
Benzocaine	ACES_HUMAN	4E-08	0.4211	12.6543	12.8322	ACHE	Acetylcholi ACES
Benzocaine	CP19A_HUMAN	1.47E-06	0.4516	6.7303	10.0229	CYP19A1	Aromatase CP19A
Benzocaine	CP1A2_HUMAN	1.34E-14	1	29.8872	24.4516	CYP1A2	Cytochrom CP1A2
Benzocaine	CP2C9_HUMAN	1.4E-08	0.4571	13.8788	13.6483	CYP2C9	Cytochrom CP2C9
Benzocaine	CP2CJ_HUMAN	1.91E-11	0.4706	23.5972	18.7942	CYP2C19	Cytochrom CP2CJ
Benzocaine	DNM3A_HUMAN	2.85E-06	0.2857	0.2857	9.5055	DNMT3A	DNA (cyto DNM3A
Benzocaine	EST2_HUMAN	5.28E-10	0.3571	1.8751	16.2063	CES2	Cocaine est EST2
Benzocaine	GSTM2_HUMAN	1.6E-09	0.3878	0.7603	15.3397	GSTM2	Glutathione GSTM2
Benzocaine	GSTP1_HUMAN	7.86E-06	0.3878	0.7603	8.7139	GSTP1	Glutathione GSTP1
Benzocaine	HS71A_HUMAN	4.38E-07	0.3529	0.3529	10.9655	HSPA1A	Heat shock HS71A
Benzocaine	HS90A_HUMAN	4.17E-07	0.5588	8.0925	11.0034	HSP90AA1	Heat shock HS90A
Benzocaine	LDLR_HUMAN	2.26E-06	0.2909	0.2909	9.6861	LDLR	Low-densit LDLR
Benzocaine	NR4A1_HUMAN	5.3E-08	0.3529	0.9281	12.6122	NR4A1	Nuclear rec NR4A1
Benzocaine	RARA_HUMAN	2.17E-10	0.4419	2.5183	16.899	RARA	Retinoic ac RARA
Benzocaine	S22A2_HUMAN	3.1E-07	0.4222	0.4222	11.2349	SLC22A2	Solute carri S22A2
Benzocaine	SMAD3_HUMAN	1E-10	0.4318	0.4318	17.4999	SMAD3	Mothers ag SMAD3
Benzocaine	STAT1_HUMAN	4.26E-12	0.4091	1.9885	19.9642	STAT1	Signal tran STAT1
Benzocaine	TLR4_HUMAN	7.79E-10	0.3091	1.1811	15.9027	TLR4	Toll-like re TLR4
Benzocaine	XBP1_HUMAN	1.6E-07	0.3333	2.7149	11.7509	XBP1	X-box-bind XBP1
Cianidanol	CP1B1_HUMAN	6.98E-10	0.4082	2.1419	15.9885	CYP1B1	Cytochrom CP1B1
Cianidanol	ESR1_HUMAN	6.45E-06	0.3269	7.4782	8.8683	ESR1	Estrogen re ESR1
Cianidanol	PPBT_HUMAN	0.002625	1	1	4.1825	ALPL	Alkaline pl PPBT
Cianidanol	VEGFA_HUMAN	5.48E-26	0.5636	1.5903	44.9013	VEGFA	Vascular er VEGFA
cis-9,10-Epoxy stearic acid	EST2_HUMAN	6.08E-22	0.4483	4.2286	37.6392	CES2	Cocaine est EST2
cis-9,10-Epoxy stearic acid	HMDH_HUMAN	8.66E-15	0.5312	3.9614	24.7973	HMGCR	3-hydroxy- HMDH
cis-9,10-Epoxy stearic acid	HYEP_HUMAN	1.54E-20	0.3256	5.7926	35.1218	EPHX1	Epoxide hy HYEP
cis-9,10-Epoxy stearic acid	KPCA_HUMAN	1.97E-14	0.381	9.6366	24.1575	PRKCA	Protein kin KPCA
cis-9,10-Epoxy stearic acid	MPIP2_HUMAN	5.17E-14	0.4103	4.3296	23.4029	CDC25B	M-phase in MPIP2
cis-9,10-Epoxy stearic acid	PPARA_HUMAN	3.87E-06	0.6538	7.57	9.2668	PPARA	Peroxisom PPARA
cis-9,10-Epoxy stearic acid	PPARG_HUMAN	5.57E-07	0.5312	11.8508	10.7784	PPARG	Peroxisom PPARG
cis-9,10-Epoxy stearic acid	TLR4_HUMAN	1.79E-07	0.2931	0.8793	11.6623	TLR4	Toll-like re TLR4
cis-9,10-Epoxy stearic acid	VEGFA_HUMAN	7.16E-10	0.2881	0.5763	15.9679	VEGFA	Vascular er VEGFA
D-alpha-Aminobutyric acid	ARGI1_HUMAN	2.53E-52	0.3667	0.6561	92.1843	ARG1	Arginase-1 ARG1
D-alpha-Aminobutyric acid	GRIA1_HUMAN	2.97E-46	0.4138	6.3313	81.285	GRIA1	Glutamate GRIA1
D-alpha-Aminobutyric acid	GSH1_HUMAN	2.84E-83	0.4667	1.3699	147.7485	GCLC	Glutamate- GSH1

D-alpha-Aminobutyric acid	NOS2_HUMAN	4.44E-16	0.4	8.439	27.0656	NOS2	Nitric oxide	NOS2
D-alpha-Aminobutyric acid	NOS3_HUMAN	6.62E-11	0.4	3.3448	17.8252	NOS3	Nitric oxide	NOS3
D-alpha-Aminobutyric acid	TY3H_HUMAN	9.31E-20	0.3143	0.3143	33.7164	TH	Tyrosine 3-	TY3H
D-Aspartic acid	ARG1_HUMAN	2.53E-52	0.3667	0.6561	92.1843	ARG1	Arginase-1	ARG1
D-Aspartic acid	GRIA1_HUMAN	8.07E-47	0.4643	6.4097	82.3016	GRIA1	Glutamate r	GRIA1
D-Aspartic acid	GSH1_HUMAN	7.75E-60	0.3333	0.9804	105.6727	GCLC	Glutamate-	GSH1
D-Aspartic acid	NOS2_HUMAN	3.48E-14	0.3667	7.4473	23.7123	NOS2	Nitric oxide	NOS2
D-Aspartic acid	NOS3_HUMAN	2.21E-08	0.3548	2.5451	13.2959	NOS3	Nitric oxide	NOS3
D-Aspartic acid	TY3H_HUMAN	9.31E-20	0.3143	0.3143	33.7164	TH	Tyrosine 3-	TY3H
D-Glutamine	ARG1_HUMAN	6.76E-60	0.4194	0.7527	105.7787	ARG1	Arginase-1	ARG1
D-Glutamine	DCOR_HUMAN	1.32E-07	0.2812	0.2812	11.8986	ODC1	Ornithine d	DCOR
D-Glutamine	GRIA1_HUMAN	1.49E-26	0.3333	3.6009	45.9195	GRIA1	Glutamate r	GRIA1
D-Glutamine	GSH1_HUMAN	1.5E-68	0.3824	1.1252	121.3166	GCLC	Glutamate-	GSH1
D-Glutamine	GSTM1_HUMAN	6.3E-36	0.3	0.583	62.7463	GSTM1	Glutathione	GSTM1
D-Glutamine	GSTP1_HUMAN	9.55E-15	0.3	2.0482	24.7232	GSTP1	Glutathione	GSTP1
D-Glutamine	NOS2_HUMAN	2.22E-16	0.4667	8.6424	27.7534	NOS2	Nitric oxide	NOS2
D-Glutamine	NOS3_HUMAN	5.39E-10	0.4516	3.0559	16.1891	NOS3	Nitric oxide	NOS3
D-Glutamine	TY3H_HUMAN	2.9E-18	0.2895	0.2895	31.036	TH	Tyrosine 3-	TY3H
D-Serine	ARG1_HUMAN	6.27E-54	0.3793	0.6766	95.0662	ARG1	Arginase-1	ARG1
D-Serine	GRIA1_HUMAN	1.98E-46	0.3793	6.3557	81.6014	GRIA1	Glutamate r	GRIA1
D-Serine	GSH1_HUMAN	1.21E-61	0.3438	1.0104	108.9161	GCLC	Glutamate-	GSH1
D-Serine	NOS2_HUMAN	3.22E-15	0.3793	7.9962	25.5681	NOS2	Nitric oxide	NOS2
D-Serine	NOS3_HUMAN	1.63E-09	0.3667	2.9033	15.3249	NOS3	Nitric oxide	NOS3
D-Serine	TY3H_HUMAN	2.59E-20	0.3235	0.3235	34.7149	TH	Tyrosine 3-	TY3H
Dalbergioidin	CP1B1_HUMAN	9.12E-08	0.3725	1.6611	12.1891	CYP1B1	Cytochrom	CP1B1
DL-Alanine	GSH1_HUMAN	3.67E-52	0.2903	0.8528	91.8919	GCLC	Glutamate-	GSH1
DL-Alanine	NOS2_HUMAN	3.67E-06	0.3103	3.1876	9.3084	NOS2	Nitric oxide	NOS2
DL-Alanine	XCT_HUMAN	7.35E-08	0.3077	0.3077	12.3576	SLC7A11	Cystine/glu	XCT
DL-Tyrosine	ACE2_HUMAN	5.1E-45	0.4091	4.9979	79.069	ACE2	Angiotensin	ACE2
DL-Tyrosine	ANF_HUMAN	1.43E-08	0.303	0.303	13.6347	NPPA	Natriuretic	ANF
DL-Tyrosine	ARG1_HUMAN	1.8E-49	0.3243	0.6198	87.0644	ARG1	Arginase-1	ARG1
DL-Tyrosine	CASP1_HUMAN	4.9E-09	0.3654	4.4358	14.4688	CASP1	Caspase-1	CASP1
DL-Tyrosine	ESR1_HUMAN	4.59E-09	0.5625	11.2731	14.5205	ESR1	Estrogen re	ESR1
DL-Tyrosine	GRIA1_HUMAN	5.21E-94	0.413	12.9506	167.0235	GRIA1	Glutamate r	GRIA1
DL-Tyrosine	GSH1_HUMAN	6.74E-19	0.3	0.3	32.1732	GCLC	Glutamate-	GSH1
DL-Tyrosine	GSTM1_HUMAN	4.11E-19	0.3036	0.3036	32.559	GSTM1	Glutathione	GSTM1
DL-Tyrosine	HMDH_HUMAN	3.42E-11	0.386	2.9714	18.3407	HMGCR	3-hydroxy-	HMDH

DL-Tyrosine	IL1B_HUMAN	1.11E-16	0.3214	0.3214	28.5117	IL1B	Interleukin- IL1B
DL-Tyrosine	IL8_HUMAN	2.77E-06	0.4	0.4	9.528	CXCL8	Interleukin- IL8
DL-Tyrosine	MIF_HUMAN	2.1E-06	0.4048	1.3349	9.7454	MIF	Macrophag MIF
DL-Tyrosine	NOS2_HUMAN	3E-15	0.439	8.0108	25.6175	NOS2	Nitric oxid NOS2
DL-Tyrosine	NOS3_HUMAN	2.13E-07	0.4359	2.2329	11.5277	NOS3	Nitric oxid NOS3
DL-Tyrosine	PCNA_HUMAN	5.27E-56	0.5641	3.1746	98.7916	PCNA	Proliferatin PCNA
DL-Tyrosine	PPARA_HUMAN	1.11E-16	0.359	20.0586	28.2586	PPARA	Peroxisom PPARA
DL-Tyrosine	PPARG_HUMAN	1.64E-14	0.6	23.801	24.2957	PPARG	Peroxisom PPARG
DL-Tyrosine	THA_HUMAN	1.48E-07	0.4545	2.6851	11.8113	THRA	Thyroid ho THA
DL-Tyrosine	TY3H_HUMAN	3.06E-36	0.5882	0.5882	63.3098	TH	Tyrosine 3- TY3H
DL-Tyrosine	XCT_HUMAN	5.18E-08	0.3143	0.3143	12.6308	SLC7A11	Cystine/glu XCT
Enol-phenylpyruvate	DOPO_HUMAN	3.01E-08	0.3077	0.3077	13.0529	DBH	Dopamine l DOPO
Enol-phenylpyruvate	EST2_HUMAN	2.39E-21	0.3913	4.1115	36.5723	CES2	Cocaine est EST2
Enol-phenylpyruvate	NF2L2_HUMAN	4.77E-15	0.3462	1.7932	25.2655	NFE2L2	Nuclear fac NF2L2
Enol-phenylpyruvate	NFKB1_HUMAN	2.37E-07	0.2941	0.5844	11.4457	NFKB1	Nuclear fac NFKB1
Enol-phenylpyruvate	TTHY_HUMAN	1.34E-06	0.3125	0.9001	10.0965	TTR	Transthyret TTHY
Epicatechin	CP1B1_HUMAN	6.98E-10	0.4082	2.1419	15.9885	CYP1B1	Cytochrom CP1B1
Epicatechin	ESR1_HUMAN	6.45E-06	0.3269	7.4782	8.8683	ESR1	Estrogen re ESR1
Epicatechin	PPBT_HUMAN	0.002625	1	1	4.1825	ALPL	Alkaline pt PPBT
Epicatechin	VEGFA_HUMAN	5.48E-26	0.5636	1.5903	44.9013	VEGFA	Vascular er VEGFA
Ethyl caproate	EST2_HUMAN	4.53E-32	0.5217	6.2253	55.822	CES2	Cocaine est EST2
Ethyl caproate	HMDH_HUMAN	1.82E-07	0.3871	1.9453	11.6491	HMGCR	3-hydroxy- HMDH
Ethyl caproate	HYEP_HUMAN	5.81E-11	0.3871	3.0399	17.9269	EPHX1	Epoxide hy HYEP
Ethyl caproate	KPCA_HUMAN	1.84E-28	0.5152	19.0361	49.3426	PRKCA	Protein kin: KPCA
Ethyl caproate	KPCE_HUMAN	1.51E-08	0.5152	2.9309	13.5923	PRKCE	Protein kin: KPCE
Ethyl caproate	MPIP2_HUMAN	6.33E-10	0.3265	3.0338	16.064	CDC25B	M-phase in MPIP2
Ethyl caproate	S22A2_HUMAN	9.49E-06	0.3261	0.3261	8.5672	SLC22A2	Solute carri S22A2
Ethyl caproate	TNFA_HUMAN	5.61E-12	0.3864	5.895	19.7494	TNF	Tumor nec TNFA
Ethyl caproate	VEGFA_HUMAN	6.58E-11	0.3208	0.6415	17.8294	VEGFA	Vascular er VEGFA
Indole	SC6A3_HUMAN	3.42E-07	0.375	9.9072	11.1574	SLC6A3	Sodium-dej SC6A3
Karanjin	ABCG2_HUMAN	1.6E-24	0.6591	11.8538	42.2719	ABCG2	Broad subs ABCG2
Karanjin	CP1A1_HUMAN	1.33E-35	0.7045	3.411	62.1658	CYP1A1	Cytochrom CP1A1
Karanjin	CP1B1_HUMAN	2.86E-30	0.3929	6.7737	52.5898	CYP1B1	Cytochrom CP1B1
Karanjin	CREB1_HUMAN	1.88E-17	0.3333	0.3333	29.5772	CREB1	Cyclic AM CREB1
Karanjin	DCOR_HUMAN	1.37E-07	0.2807	0.2807	11.8747	ODC1	Ornithine d DCOR
Karanjin	MDR1_HUMAN	1.7E-07	0.4902	5.9527	11.7036	ABCB1	ATP-depen MDR1
L-Aspartic acid	ARGI1_HUMAN	2.53E-52	0.3667	0.6561	92.1843	ARG1	Arginase-1 ARG1

L-Aspartic acid	GRIA1_HUMAN	8.07E-47	0.4643	6.4097	82.3016	GRIA1	Glutamate 1	GRIA1
L-Aspartic acid	GSH1_HUMAN	7.75E-60	0.3333	0.9804	105.6727	GCLC	Glutamate- GSH1	
L-Aspartic acid	NOS2_HUMAN	3.48E-14	0.3667	7.4473	23.7123	NOS2	Nitric oxide	NOS2
L-Aspartic acid	NOS3_HUMAN	2.21E-08	0.3548	2.5451	13.2959	NOS3	Nitric oxide	NOS3
L-Aspartic acid	TY3H_HUMAN	9.31E-20	0.3143	0.3143	33.7164	TH	Tyrosine 3-	TY3H
L-Citruline	ARG11_HUMAN	6.7E-67	0.4848	0.842	118.3531	ARG1	Arginase-1	ARG11
L-Citruline	CFAB_HUMAN	3.79E-20	0.32	1.2229	34.4175	CFB	Compleme	CFAB
L-Citruline	DCOR_HUMAN	2.08E-08	0.3143	0.3143	13.3407	ODC1	Ornithine d	DCOR
L-Citruline	GRIA1_HUMAN	2.33E-15	0.3243	2.0489	25.817	GRIA1	Glutamate 1	GRIA1
L-Citruline	GSH1_HUMAN	5.16E-60	0.3333	0.9833	105.9904	GCLC	Glutamate- GSH1	
L-Citruline	GSTM1_HUMAN	1.45E-35	0.2963	0.577	62.0959	GSTM1	Glutathione	GSTM1
L-Citruline	NOS2_HUMAN	3.42E-22	0.75	11.6989	38.0883	NOS2	Nitric oxide	NOS2
L-Citruline	NOS3_HUMAN	1.43E-20	0.625	6.409	35.1793	NOS3	Nitric oxide	NOS3
L-Citruline	TY3H_HUMAN	4.88E-18	0.2857	0.2857	30.6299	TH	Tyrosine 3-	TY3H
L-Epicatechin	CP1B1_HUMAN	6.98E-10	0.4082	2.1419	15.9885	CYP1B1	Cytochrom	CP1B1
L-Epicatechin	ESR1_HUMAN	6.45E-06	0.3269	7.4782	8.8683	ESR1	Estrogen re	ESR1
L-Epicatechin	PPBT_HUMAN	0.002625	1	1	4.1825	ALPL	Alkaline p	PPBT
L-Epicatechin	VEGFA_HUMAN	5.48E-26	0.5636	1.5903	44.9013	VEGFA	Vascular et	VEGFA
L-Glutamic acid	ARG11_HUMAN	1.11E-61	0.4333	0.7754	108.9821	ARG1	Arginase-1	ARG11
L-Glutamic acid	DCOR_HUMAN	7.96E-08	0.2903	0.2903	12.2946	ODC1	Ornithine d	DCOR
L-Glutamic acid	GRIA1_HUMAN	1.22E-26	0.3438	3.6126	46.0714	GRIA1	Glutamate 1	GRIA1
L-Glutamic acid	GSH1_HUMAN	1.46E-70	0.3939	1.1586	124.9285	GCLC	Glutamate- GSH1	
L-Glutamic acid	GSTM1_HUMAN	2.32E-41	0.34	0.6733	72.5026	GSTM1	Glutathione	GSTM1
L-Glutamic acid	GSTP1_HUMAN	2.22E-16	0.3469	2.2739	27.5286	GSTP1	Glutathione	GSTP1
L-Glutamic acid	NOS2_HUMAN	7.77E-16	0.4333	8.3196	26.6617	NOS2	Nitric oxide	NOS2
L-Glutamic acid	NOS3_HUMAN	2.09E-09	0.4194	2.8692	15.1317	NOS3	Nitric oxide	NOS3
L-Glutamic acid	TY3H_HUMAN	9.8E-19	0.2973	0.2973	31.8812	TH	Tyrosine 3-	TY3H
L-Glutamine	ARG11_HUMAN	6.76E-60	0.4194	0.7527	105.7787	ARG1	Arginase-1	ARG11
L-Glutamine	DCOR_HUMAN	1.32E-07	0.2812	0.2812	11.8986	ODC1	Ornithine d	DCOR
L-Glutamine	GRIA1_HUMAN	1.49E-26	0.3333	3.6009	45.9195	GRIA1	Glutamate 1	GRIA1
L-Glutamine	GSH1_HUMAN	1.5E-68	0.3824	1.1252	121.3166	GCLC	Glutamate- GSH1	
L-Glutamine	GSTM1_HUMAN	6.3E-36	0.3	0.583	62.7463	GSTM1	Glutathione	GSTM1
L-Glutamine	GSTP1_HUMAN	9.55E-15	0.3	2.0482	24.7232	GSTP1	Glutathione	GSTP1
L-Glutamine	NOS2_HUMAN	2.22E-16	0.4667	8.6424	27.7534	NOS2	Nitric oxide	NOS2
L-Glutamine	NOS3_HUMAN	5.39E-10	0.4516	3.0559	16.1891	NOS3	Nitric oxide	NOS3
L-Glutamine	TY3H_HUMAN	2.9E-18	0.2895	0.2895	31.036	TH	Tyrosine 3-	TY3H
L-Histidine	ACE2_HUMAN	4.61E-09	0.3385	0.9506	14.5163	ACE2	Angiotensi	ACE2

L-Histidine	ARG1_HUMAN	3.52E-47	0.2979	0.5906	82.9496	ARG1	Arginase-1	ARG1
L-Histidine	CFAB_HUMAN	9.3E-18	0.381	1.0725	30.1266	CFB	Compleme	CFAB
L-Histidine	GRIA1_HUMAN	3.86E-58	0.3902	7.9788	102.625	GRIA1	Glutamate	GRIA1
L-Histidine	PCNA_HUMAN	5.68E-11	0.3	0.5885	17.9442	PCNA	Proliferatin	PCNA
L-Histidine	TY3H_HUMAN	7.77E-22	0.3488	0.3488	37.4488	TH	Tyrosine 3-	TY3H
L-Homoglutamic acid	ARG1_HUMAN	1.1E-63	0.4062	0.801	112.5794	ARG1	Arginase-1	ARG1
L-Homoglutamic acid	DCOR_HUMAN	2.3E-08	0.3125	0.3125	13.2628	ODC1	Ornithine d	DCOR
L-Homoglutamic acid	GRIA1_HUMAN	9.99E-16	0.3636	2.103	26.5183	GRIA1	Glutamate	GRIA1
L-Homoglutamic acid	GSH1_HUMAN	1.19E-66	0.3714	1.0937	117.9074	GCLC	Glutamate-	GSH1
L-Homoglutamic acid	GSTM1_HUMAN	2.89E-38	0.32	0.6219	66.945	GSTM1	Glutathione	GSTM1
L-Homoglutamic acid	GSTP1_HUMAN	6.99E-15	0.32	2.0675	24.963	GSTP1	Glutathione	GSTP1
L-Homoglutamic acid	NOS2_HUMAN	1.11E-15	0.5	8.2488	26.4223	NOS2	Nitric oxid	NOS2
L-Homoglutamic acid	NOS3_HUMAN	1.17E-09	0.4839	2.9492	15.5848	NOS3	Nitric oxid	NOS3
L-Homoglutamic acid	TY3H_HUMAN	8.1E-18	0.2821	0.2821	30.2342	TH	Tyrosine 3-	TY3H
L-Homoserine	ARG1_HUMAN	1.41E-63	0.4483	0.7996	112.388	ARG1	Arginase-1	ARG1
L-Homoserine	DCOR_HUMAN	4.63E-08	0.3	0.3	12.7171	ODC1	Ornithine d	DCOR
L-Homoserine	GRIA1_HUMAN	1.18E-43	0.3548	5.9711	76.6197	GRIA1	Glutamate	GRIA1
L-Homoserine	GSH1_HUMAN	1.07E-72	0.4062	1.1941	128.7616	GCLC	Glutamate-	GSH1
L-Homoserine	NOS2_HUMAN	2.22E-16	0.4483	8.5701	27.5088	NOS2	Nitric oxid	NOS2
L-Homoserine	NOS3_HUMAN	1.13E-09	0.4333	2.9546	15.6153	NOS3	Nitric oxid	NOS3
L-Homoserine	PCNA_HUMAN	1.64E-11	0.3171	0.6194	18.9114	PCNA	Proliferatin	PCNA
L-Homoserine	TY3H_HUMAN	3.12E-19	0.3056	0.3056	32.7733	TH	Tyrosine 3-	TY3H
L-Lysine	ARG1_HUMAN	1.1E-63	0.4062	0.801	112.5794	ARG1	Arginase-1	ARG1
L-Lysine	DCOR_HUMAN	1.15E-11	0.4483	0.4483	19.1898	ODC1	Ornithine d	DCOR
L-Lysine	GRIA1_HUMAN	7.36E-18	0.3636	2.3957	30.3093	GRIA1	Glutamate	GRIA1
L-Lysine	GSH1_HUMAN	1.19E-66	0.3714	1.0937	117.9074	GCLC	Glutamate-	GSH1
L-Lysine	NOS2_HUMAN	6.66E-16	0.5161	8.3435	26.7427	NOS2	Nitric oxid	NOS2
L-Lysine	NOS3_HUMAN	1.17E-09	0.4839	2.9492	15.5848	NOS3	Nitric oxid	NOS3
L-Lysine	TY3H_HUMAN	8.1E-18	0.2821	0.2821	30.2342	TH	Tyrosine 3-	TY3H
L-Methionine	ARG1_HUMAN	1.26E-56	0.3939	0.711	99.9106	ARG1	Arginase-1	ARG1
L-Methionine	DNMT1_HUMAN	2.37E-06	0.2927	1.4279	9.6496	DNMT1	DNA (cyto	DNMT1
L-Methionine	GRIA1_HUMAN	1.58E-26	0.3529	3.5972	45.8717	GRIA1	Glutamate	GRIA1
L-Methionine	GSH1_HUMAN	1.03E-71	0.4	1.1778	126.9953	GCLC	Glutamate-	GSH1
L-Methionine	GSTM1_HUMAN	1.01E-19	0.3137	0.3137	33.6559	GSTM1	Glutathione	GSTM1
L-Methionine	GSTP1_HUMAN	1.11E-06	0.3137	0.8829	10.2377	GSTP1	Glutathione	GSTP1
L-Methionine	NOS2_HUMAN	3.33E-16	0.5152	8.497	27.2615	NOS2	Nitric oxid	NOS2
L-Methionine	NOS3_HUMAN	1.03E-08	0.4706	2.6497	13.8883	NOS3	Nitric oxid	NOS3

L-Phenylalanine	ACE2_HUMAN	1.69E-97	0.4	10.9052	173.289	ACE2	Angiotensin ACE2
L-Phenylalanine	AKT2_HUMAN	7.25E-06	0.4043	4.0561	8.7771	AKT2	RAC-beta s AKT2
L-Phenylalanine	AKT1_HUMAN	2.5E-07	0.4043	11.0569	11.4022	AKT1	RAC-alpha AKT1
L-Phenylalanine	ANF_HUMAN	3.55E-09	0.3265	0.3265	14.7206	NPPA	Natriuretic ANF
L-Phenylalanine	ARG1_HUMAN	4.98E-52	0.3429	0.6524	91.655	ARG1	Arginase-1 ARG1
L-Phenylalanine	BAD_HUMAN	2.03E-07	0.3077	0.8895	11.5641	BAD	Bcl2-associ BAD
L-Phenylalanine	CATB_HUMAN	7.6E-34	0.425	23.2695	59.009	CTSB	Cathepsin ICATB
L-Phenylalanine	CATK_HUMAN	4.44E-16	0.4359	16.8699	27.0599	CTSK	Cathepsin ICATK
L-Phenylalanine	CATL1_HUMAN	6.12E-31	0.3902	28.4559	53.7923	CTSL	Cathepsin ICATL1
L-Phenylalanine	CP2D6_HUMAN	9.73E-08	0.4706	9.1383	12.1388	CYP2D6	Cytochrom CP2D6
L-Phenylalanine	CP2CJ_HUMAN	1.48E-06	0.4	14.0634	10.0175	CYP2C19	Cytochrom CP2CJ
L-Phenylalanine	EST2_HUMAN	3.7E-24	0.3611	4.6655	41.6178	CES2	Cocaine est EST2
L-Phenylalanine	GRIA1_HUMAN	1.06E-62	0.4211	8.6113	110.8181	GRIA1	Glutamate r GRIA1
L-Phenylalanine	GSH1_HUMAN	7.56E-20	0.3158	0.3158	33.8788	GCLC	Glutamate- GSH1
L-Phenylalanine	GSTM1_HUMAN	2.38E-18	0.2909	0.2909	31.1911	GSTM1	Glutathione GSTM1
L-Phenylalanine	GSTP1_HUMAN	9.7E-12	0.3529	1.6137	19.322	GSTP1	Glutathione GSTP1
L-Phenylalanine	HMDH_HUMAN	1.55E-08	0.3509	2.2401	13.5713	HMGCR	3-hydroxy- HMDH
L-Phenylalanine	HYEP_HUMAN	2.79E-12	0.3714	3.4187	20.2929	EPHX1	Epoxide hy HYEP
L-Phenylalanine	IL8_HUMAN	5.59E-10	0.3824	0.6644	16.162	CXCL8	Interleukin IL8
L-Phenylalanine	ITB1_HUMAN	2.55E-06	0.3696	4.1837	9.5931	ITGB1	Integrin bet ITB1
L-Phenylalanine	MMP2_HUMAN	3.67E-20	0.439	30.1542	34.4423	MMP2	72 kDa typ MMP2
L-Phenylalanine	MMP3_HUMAN	3.72E-20	0.4043	21.1013	34.432	MMP3	Stromelysin MMP3
L-Phenylalanine	MMP9_HUMAN	1.76E-17	0.4103	21.5352	29.6308	MMP9	Matrix met MMP9
L-Phenylalanine	MPIP2_HUMAN	9.61E-06	0.3902	1.7085	8.5577	CDC25B	M-phase in MPIP2
L-Phenylalanine	NOS3_HUMAN	1.23E-09	0.5429	2.943	15.5495	NOS3	Nitric oxide NOS3
L-Phenylalanine	NOS2_HUMAN	2.11E-17	0.5429	9.1557	29.4888	NOS2	Nitric oxide NOS2
L-Phenylalanine	PCNA_HUMAN	1.22E-15	0.439	0.8576	26.3589	PCNA	Proliferatin PCNA
L-Phenylalanine	PPARA_HUMAN	2.89E-39	0.4444	46.6775	68.7388	PPARA	Peroxisom PPARA
L-Phenylalanine	PPARG_HUMAN	1.68E-34	0.6875	55.5308	60.1862	PPARG	Peroxisom PPARG
L-Phenylalanine	SIR1_HUMAN	3.03E-10	0.3208	2.9782	16.6379	SIRT1	NAD-depe SIR1
L-Phenylalanine	THA_HUMAN	2.78E-07	0.4186	2.5836	11.3189	THRA	Thyroid ho THA
L-Phenylalanine	TY3H_HUMAN	1.06E-32	0.5294	0.5294	56.9554	TH	Tyrosine 3- TY3H
L-Phenylalanine	VMAT2_HUMAN	3.53E-10	0.3871	0.3871	16.5192	SLC18A2	Synaptic ve VMAT2
L-Phenylalanine	XCT_HUMAN	1.88E-08	0.3333	0.3333	13.4199	SLC7A11	Cystine/glu XCT
L-Serine	ARG1_HUMAN	6.27E-54	0.3793	0.6766	95.0662	ARG1	Arginase-1 ARG1
L-Serine	GRIA1_HUMAN	1.98E-46	0.3793	6.3557	81.6014	GRIA1	Glutamate r GRIA1
L-Serine	GSH1_HUMAN	1.21E-61	0.3438	1.0104	108.9161	GCLC	Glutamate- GSH1

L-Serine	NOS2_HUMAN	3.22E-15	0.3793	7.9962	25.5681	NOS2	Nitric oxide NOS2
L-Serine	NOS3_HUMAN	1.63E-09	0.3667	2.9033	15.3249	NOS3	Nitric oxide NOS3
L-Serine	TY3H_HUMAN	2.59E-20	0.3235	0.3235	34.7149	TH	Tyrosine 3- TY3H
L-Tyrosine	ACE2_HUMAN	5.1E-45	0.4091	4.9979	79.069	ACE2	Angiotensin ACE2
L-Tyrosine	ANF_HUMAN	1.43E-08	0.303	0.303	13.6347	NPPA	Natriuretic ANF
L-Tyrosine	ARG1_HUMAN	1.8E-49	0.3243	0.6198	87.0644	ARG1	Arginase-1 ARG1
L-Tyrosine	CASP1_HUMAN	4.9E-09	0.3654	4.4358	14.4688	CASP1	Caspase-1 CASP1
L-Tyrosine	ESR1_HUMAN	4.59E-09	0.5625	11.2731	14.5205	ESR1	Estrogen receptor ESR1
L-Tyrosine	GRIA1_HUMAN	5.21E-94	0.413	12.9506	167.0235	GRIA1	Glutamate receptor GRIA1
L-Tyrosine	GSH1_HUMAN	6.74E-19	0.3	0.3	32.1732	GCLC	Glutamate- GSH1
L-Tyrosine	GSTM1_HUMAN	4.11E-19	0.3036	0.3036	32.559	GSTM1	Glutathione S-transferase GSTM1
L-Tyrosine	HMDH_HUMAN	3.42E-11	0.386	2.9714	18.3407	HMGCR	3-hydroxy- HMDH
L-Tyrosine	IL1B_HUMAN	1.11E-16	0.3214	0.3214	28.5117	IL1B	Interleukin-1 IL1B
L-Tyrosine	IL8_HUMAN	2.77E-06	0.4	0.4	9.528	CXCL8	Interleukin-8 IL8
L-Tyrosine	MIF_HUMAN	2.1E-06	0.4048	1.3349	9.7454	MIF	Macrophage inflammatory factor MIF
L-Tyrosine	NOS2_HUMAN	3E-15	0.439	8.0108	25.6175	NOS2	Nitric oxide NOS2
L-Tyrosine	NOS3_HUMAN	2.13E-07	0.4359	2.2329	11.5277	NOS3	Nitric oxide NOS3
L-Tyrosine	PCNA_HUMAN	5.27E-56	0.5641	3.1746	98.7916	PCNA	Proliferating cell nuclear antigen PCNA
L-Tyrosine	PPARA_HUMAN	1.11E-16	0.359	20.0586	28.2586	PPARA	Peroxisome proliferator-activated receptor PPARA
L-Tyrosine	PPARG_HUMAN	1.64E-14	0.6	23.801	24.2957	PPARG	Peroxisome proliferator-activated receptor PPARG
L-Tyrosine	THA_HUMAN	1.48E-07	0.4545	2.6851	11.8113	THRA	Thyroid hormone receptor THA
L-Tyrosine	TY3H_HUMAN	3.06E-36	0.5882	0.5882	63.3098	TH	Tyrosine 3- TY3H
L-Tyrosine	XCT_HUMAN	5.18E-08	0.3143	0.3143	12.6308	SLC7A11	Cystine/glutamate transporter XCT
Maltol	DOPO_HUMAN	1.11E-16	0.3704	0.6561	28.2614	DBH	Dopamine transporter DOPO
Methyl anthranilate	AK1C3_HUMAN	6E-15	0.3684	6.115	25.0892	AKR1C3	Aldo-keto reductase AK1C3
Methyl anthranilate	CP1A2_HUMAN	1.53E-09	0.5	19.984	15.3765	CYP1A2	Cytochrome P450 CP1A2
Methyl anthranilate	CP2C9_HUMAN	2.45E-06	0.4222	10.4377	9.6245	CYP2C9	Cytochrome P450 CP2C9
Methyl anthranilate	CP2CJ_HUMAN	5.92E-08	0.5	16.7882	12.5259	CYP2C19	Cytochrome P450 CP2CJ
Methyl anthranilate	EST2_HUMAN	2.33E-14	0.3333	2.7335	24.0234	CES2	Cocaine esterase EST2
Methyl anthranilate	HDAC1_HUMAN	8.17E-12	0.4103	20.4762	19.4559	HDAC1	Histone deacetylase HDAC1
Methyl anthranilate	HYEP_HUMAN	7.83E-09	0.3333	2.4278	14.1036	EPHX1	Epoxide hydrolase HYEP
Methyl anthranilate	PPBT_HUMAN	7.06E-06	0.3333	1.8648	8.7975	ALPL	Alkaline phosphatase PPBT
Miltirone	EST2_HUMAN	1.03E-12	1	2.409	21.0688	CES2	Cocaine esterase EST2
Miltirone	MPBP2_HUMAN	1E-12	0.5283	3.9219	21.0938	CDC25B	M-phase promoting factor MPBP2
N6-Acetyl-L-lysine	ARG1_HUMAN	1.87E-63	0.4571	0.7981	112.1662	ARG1	Arginase-1 ARG1
N6-Acetyl-L-lysine	CFAB_HUMAN	5.8E-21	0.3333	1.2742	35.881	CFB	Complement factor CFAB
N6-Acetyl-L-lysine	DCOR_HUMAN	5.39E-08	0.2973	0.2973	12.5991	ODC1	Ornithine decarboxylase DCOR

N6-Acetyl-L-lysine	GRIA1_HUMAN	1.78E-11	0.3421	1.511	18.8494	GRIA1	Glutamate r	GRIA1
N6-Acetyl-L-lysine	GSH1_HUMAN	5.35E-63	0.35	1.0329	111.3477	GCLC	Glutamate- GSH1	
N6-Acetyl-L-lysine	GSTM1_HUMAN	4.42E-37	0.3091	0.6022	64.8178	GSTM1	Glutathione	GSTM1
N6-Acetyl-L-lysine	GSTP1_HUMAN	6.53E-07	0.3091	0.9164	10.6546	GSTP1	Glutathione	GSTP1
N6-Acetyl-L-lysine	HYEP_HUMAN	4.9E-09	0.3235	2.4862	14.4681	EPHX1	Epoxide hy	HYEP
N6-Acetyl-L-lysine	NOS2_HUMAN	7.48E-22	0.5938	11.5183	37.4779	NOS2	Nitric oxide	NOS2
N6-Acetyl-L-lysine	NOS3_HUMAN	2.28E-17	0.5882	5.3933	29.427	NOS3	Nitric oxide	NOS3
N6-Acetyl-L-lysine	PCNA_HUMAN	6.34E-11	0.3	0.5857	17.8583	PCNA	Proliferatin	PCNA
N6-Acetyl-L-lysine	SIR1_HUMAN	2.75E-54	0.4348	16.2619	95.7072	SIRT1	NAD-depe	SIR1
N6-Acetyl-L-lysine	TY3H_HUMAN	6.65E-21	0.3333	0.3333	35.774	TH	Tyrosine 3-	TY3H
NG,NG-Dimethylarginine dihydro	ARG1_HUMAN	1.2E-49	0.3125	0.622	87.3805	ARG1	Arginase-1	ARG1
NG,NG-Dimethylarginine dihydro	GSH1_HUMAN	3.18E-59	0.3409	0.9702	104.5719	GCLC	Glutamate- GSH1	
NG,NG-Dimethylarginine dihydro	NOS2_HUMAN	2.44E-15	0.7647	8.0621	25.7912	NOS2	Nitric oxide	NOS2
NG,NG-Dimethylarginine dihydro	NOS3_HUMAN	2.68E-12	0.6471	3.7864	20.3262	NOS3	Nitric oxide	NOS3
Nicotinic acid	5HT2A_HUMAN	1.5E-06	0.4444	12.8538	10.0068	HTR2A	5-hydroxyt	5HT2A
Nicotinic acid	5HT2C_HUMAN	1.14E-07	0.3617	12.1324	12.0152	HTR2C	5-hydroxyt	5HT2C
Nicotinic acid	AK1C3_HUMAN	1.36E-28	0.3871	11.7922	49.5813	AKR1C3	Aldo-keto r	AK1C3
Nicotinic acid	CCNA2_HUMAN	1.51E-06	0.4444	3.9428	10.0024	CCNA2	Cyclin-A2	CCNA2
Nicotinic acid	CP17A_HUMAN	5.69E-09	0.3333	4.3483	14.3523	CYP17A1	Steroid 17-	CP17A
Nicotinic acid	CP19A_HUMAN	7.4E-10	0.4688	10.0287	15.9427	CYP19A1	Aromatase	CP19A
Nicotinic acid	CP1A2_HUMAN	5.44E-08	0.4333	16.9448	12.5914	CYP1A2	Cytochrom	CP1A2
Nicotinic acid	CP1B1_HUMAN	1.36E-46	0.5455	10.4822	81.8946	CYP1B1	Cytochrom	CP1B1
Nicotinic acid	CP2B6_HUMAN	9.8E-19	0.2973	0.2973	31.8812	CYP2B6	Cytochrom	CP2B6
Nicotinic acid	CP2CJ_HUMAN	4.05E-06	0.4524	13.2099	9.2317	CYP2C19	Cytochrom	CP2CJ
Nicotinic acid	CP3A4_HUMAN	9.11E-10	0.5625	18.0875	15.7805	CYP3A4	Cytochrom	CP3A4
Nicotinic acid	CYC_HUMAN	7.53E-39	0.3077	0.3077	67.9935	CYCS	Cytochrom	CYC
Nicotinic acid	ERN1_HUMAN	3.52E-06	0.3684	2.5673	9.3409	ERN1	Serine/thre	ERN1
Nicotinic acid	EST2_HUMAN	6.9E-31	0.4615	5.9921	53.6991	CES2	Cocaine est	EST2
Nicotinic acid	HDAC1_HUMAN	8.94E-09	0.4722	15.4312	13.9997	HDAC1	Histone de	HDAC1
Nicotinic acid	HYEP_HUMAN	5.37E-08	0.36	2.1875	12.6025	EPHX1	Epoxide hy	HYEP
Nicotinic acid	LDLR_HUMAN	3.97E-19	0.3273	0.9496	32.5868	LDLR	Low-densit	LDLR
Nicotinic acid	NAMPT_HUMAN	3.56E-20	0.4857	25.3316	34.4654	NAMPT	Nicotinami	NAMPT
Nicotinic acid	RHOA_HUMAN	1.02E-06	0.3889	0.3889	10.3099	RHOA	Transformi	RHOA
Nicotinic acid	TTHY_HUMAN	8E-09	0.3243	1.2313	14.0868	TTR	Transthyret	TTHY
Nicotinic acid	XCT_HUMAN	9.41E-08	0.303	0.303	12.1645	SLC7A11	Cystine/glu	XCT
Okanin	A4_HUMAN	1.53E-36	0.5116	24.7697	63.8483	APP	Amyloid-b	A4
Okanin	ABCG2_HUMAN	1.2E-29	0.4762	14.35	51.4697	ABCG2	Broad subs	ABCG2

Okanin	AOFA_HUMAN	5.26E-09	0.4884	7.3945	14.4128	MAOA	Amine oxidase AOFA
Okanin	AOFB_HUMAN	1.56E-21	0.4884	25.2154	36.9056	MAOB	Amine oxidase AOFB
Okanin	CH60_HUMAN	5.93E-13	0.4444	0.4444	21.5011	HSPD1	60 kDa heat shock protein CH60
Okanin	CP1A1_HUMAN	7.51E-23	0.3469	2.1668	39.2705	CYP1A1	Cytochrome P450 CP1A1
Okanin	CP1B1_HUMAN	2.15E-30	0.3654	6.8021	52.8135	CYP1B1	Cytochrome P450 CP1B1
Okanin	DCOR_HUMAN	6.53E-21	0.4364	0.8285	35.7888	ODC1	Ornithine decarboxylase DCOR
Okanin	FOS_HUMAN	3.24E-07	0.3864	0.679	11.2015	FOS	Proto-oncogene FOS
Okanin	JUN_HUMAN	2.74E-06	0.3696	1.2809	9.5367	JUN	Transcription factor JUN
Okanin	MMP2_HUMAN	2.12E-07	0.5882	11.4611	11.5306	MMP2	72 kDa type 2 matrix metalloproteinase MMP2
Okanin	MMP9_HUMAN	3.51E-09	0.5882	11.4771	14.7284	MMP9	Matrix metalloproteinase MMP9
Okanin	NF2L2_HUMAN	2.65E-09	0.4048	1.08	14.9468	NFE2L2	Nuclear factor of erythroid 2-like 2 NF2L2
Okanin	NFKB1_HUMAN	1.62E-20	0.3864	1.7346	35.0811	NFKB1	Nuclear factor kappa-light-chain-enhancer of activated T cells NFKB1
Okanin	NQO1_HUMAN	5.91E-06	0.3077	0.8847	8.9362	NQO1	NAD(P)H dehydrogenase NQO1
Okanin	NR0B2_HUMAN	2.49E-32	0.3214	0.6318	56.2902	NR0B2	Nuclear receptor subfamily 0 class B member 2 NR0B2
Okanin	SDF1_HUMAN	7.5E-118	0.5641	6.5042	209.8232	CXCL12	Stromal cell derived factor 1 SDF1
Okanin	SYUA_HUMAN	6.42E-10	0.6486	2.2462	16.0537	SNCA	Alpha-synuclein SYUA
Okanin	TF65_HUMAN	8.88E-07	0.4	1.0675	10.4141	RELA	Transcription factor NF-kappa-B p50 subunit TF65
Okanin	TNR1A_HUMAN	3.74E-19	0.4	2.8128	32.6323	TNFRSF1A	Tumor necrosis factor receptor type 1 TNR1A
Okanin	TTHY_HUMAN	3.61E-10	0.4255	1.4317	16.5018	TTR	Transthyretin TTHY
Oleamide	CNR1_HUMAN	1.82E-14	0.7778	28.3219	24.2189	CNR1	Cannabinoid receptor 1 CNR1
Oleamide	EST2_HUMAN	3.17E-34	0.5	6.6501	59.6913	CES2	Cocaine esterase EST2
Oleamide	HMDH_HUMAN	1.13E-11	0.4737	3.1034	19.2018	HMGCR	3-hydroxy-3-methylglutaryl-CoA lyase HMDH
Oleamide	HYEP_HUMAN	3.93E-12	0.3824	3.3761	20.0271	EPHX1	Epoxide hydrolase HYEP
Oleamide	KPCA_HUMAN	5.89E-23	0.5128	15.3475	39.4592	PRKCA	Protein kinase C alpha KPCA
Oleamide	KPCE_HUMAN	1.07E-06	0.359	2.2723	10.2709	PRKCE	Protein kinase C epsilon KPCE
Oleamide	MGLL_HUMAN	1.19E-06	0.4571	2.1877	10.1833	MGLL	Monoglyceride lipase MGLL
Oleamide	MPIP2_HUMAN	1.14E-09	0.45	2.9527	15.6047	CDC25B	M-phase promoting factor MPIP2
Oleic acid	CNR1_HUMAN	1.12E-14	0.5714	28.7126	24.5926	CNR1	Cannabinoid receptor 1 CNR1
Oleic acid	EST2_HUMAN	4.13E-36	0.5	7.0218	63.0756	CES2	Cocaine esterase EST2
Oleic acid	GSTM1_HUMAN	5.19E-19	0.3019	0.3019	32.377	GSTM1	Glutathione S-transferase mu 1 GSTM1
Oleic acid	HMDH_HUMAN	1.07E-17	0.6471	4.7619	30.0178	HMGCR	3-hydroxy-3-methylglutaryl-CoA lyase HMDH
Oleic acid	HYEP_HUMAN	8.88E-16	0.3548	4.4244	26.5754	EPHX1	Epoxide hydrolase HYEP
Oleic acid	KPCA_HUMAN	7.84E-23	0.475	15.2644	39.2366	PRKCA	Protein kinase C alpha KPCA
Oleic acid	KPCE_HUMAN	1.33E-06	0.339	2.2383	10.0996	PRKCE	Protein kinase C epsilon KPCE
Oleic acid	MGLL_HUMAN	1.19E-06	0.4571	2.1877	10.1833	MGLL	Monoglyceride lipase MGLL
Oleic acid	MPIP2_HUMAN	4.73E-12	0.5676	3.7079	19.8816	CDC25B	M-phase promoting factor MPIP2
Oleic acid	PPARA_HUMAN	2.3E-09	1	11.3778	15.0575	PPARA	Peroxisome proliferator-activated receptor alpha PPARA

Oleic acid	PPARG_HUMAN	5.19E-10	1	16.6614	16.2199	PPARG	Peroxisome PPARG
p-Aminobenzoate	EST2_HUMAN	6.98E-19	0.3333	3.6254	32.1459	CES2	Cocaine estEST2
p-Aminobenzoate	XCT_HUMAN	1.85E-07	0.2903	0.2903	11.638	SLC7A11	Cystine/gluXCT
p-Octopamine	ADRB2_HUMAN	2.39E-06	0.5926	6.2756	9.6425	ADRB2	Beta-2 adreADRB2
p-Octopamine	ESR1_HUMAN	1.52E-09	0.4	11.8512	15.3815	ESR1	Estrogen reESR1
Phenethylamine	AL1A1_HUMAN	1.18E-08	0.3235	0.9368	13.7824	ALDH1A1	Retinal dehAL1A1
Phenethylamine	AOFA_HUMAN	4.27E-07	0.5217	5.836	10.9859	MAOA	Amine oxicAOFA
Phenethylamine	AOFB_HUMAN	9.4E-14	0.5652	16.2131	22.9366	MAOB	Amine oxicAOFB
Phenethylamine	HMOX1_HUMAN	1.44E-23	0.2895	0.2895	40.5557	HMOX1	Heme oxygHMOX1
Phenethylamine	HRH1_HUMAN	9.04E-06	0.4167	5.1625	8.6051	HRH1	Histamine lHRH1
Phenethylamine	LIPL_HUMAN	1.8E-19	0.3095	0.3095	33.202	LPL	LipoproteirLIPL
Phenethylamine	MIF_HUMAN	5.91E-11	0.4615	2.3561	17.9131	MIF	MacrophagMIF
Phenethylamine	PERM_HUMAN	2.46E-08	0.3667	1.9778	13.2094	MPO	Myelopero:PERM
Phenethylamine	S22A1_HUMAN	1.12E-06	0.4483	0.4483	10.231	SLC22A1	Solute carriS22A1
Phenethylamine	VMAT2_HUMAN	1.11E-16	0.3438	0.6652	28.6583	SLC18A2	Synaptic veVMAT2
Phloretic acid	ACE2_HUMAN	3.27E-06	0.3409	0.6298	9.399	ACE2	AngiotensinACE2
Phloretic acid	CASP1_HUMAN	1.73E-07	0.3265	3.6608	11.6918	CASP1	Caspase-1 CASP1
Phloretic acid	DOPO_HUMAN	8.35E-08	0.2895	0.2895	12.2576	DBH	Dopamine lDOPO
Phloretic acid	ESR1_HUMAN	2.33E-15	0.5909	18.8622	25.8238	ESR1	Estrogen reESR1
Phloretic acid	EST2_HUMAN	4.91E-07	0.3929	1.2898	10.8763	CES2	Cocaine estEST2
Phloretic acid	GRIA1_HUMAN	1.88E-26	0.3725	3.5866	45.7343	GRIA1	Glutamate lGRIA1
Phloretic acid	GSHR_HUMAN	2.64E-14	0.2927	1.1499	23.9265	GSR	GlutathioneGSHR
Phloretic acid	HMOX1_HUMAN	9.89E-26	0.3171	0.3171	44.4419	HMOX1	Heme oxygHMOX1
Phloretic acid	HS71A_HUMAN	3.29E-06	0.3043	0.3043	9.3946	HSPA1A	Heat shockHS71A
Phloretic acid	IL1B_HUMAN	2.44E-15	0.2909	0.2909	25.7799	IL1B	InterleukinIL1B
Phloretic acid	MGLL_HUMAN	5.09E-06	0.4118	1.9699	9.053	MGLL	MonoglyceMGLL
Phloretic acid	MMP13_HUMAN	1.77E-09	0.4375	12.7912	15.2618	MMP13	CollagenasMMP13
Phloretic acid	MMP3_HUMAN	2.13E-06	0.4375	6.834	9.7342	MMP3	StromelysinMMP3
Phloretic acid	MMP2_HUMAN	1.22E-08	0.4375	13.2794	13.7592	MMP2	72 kDa typMMP2
Phloretic acid	PCNA_HUMAN	1.11E-21	0.3261	1.2034	37.1696	PCNA	ProliferatinPCNA
Phloretic acid	RHOA_HUMAN	4.38E-06	0.3478	0.3478	9.1704	RHOA	TransformiRHOA
Phloretic acid	THA_HUMAN	5.25E-26	0.425	9.5135	44.9352	THRA	Thyroid hoTHA
Phyllalbine	A4_HUMAN	2.07E-12	0.3529	8.3922	20.5254	APP	Amyloid-bA4
Phyllalbine	DCOR_HUMAN	1.03E-07	0.2857	0.2857	12.0935	ODC1	Ornithine dDCOR
Phyllalbine	FOS_HUMAN	3.2E-07	0.34	0.6796	11.2115	FOS	Proto-oncoFOS
Phyllalbine	JUN_HUMAN	8.27E-08	0.3519	1.615	12.265	JUN	TranscriptiJUN
Phyllalbine	MDR1_HUMAN	1.12E-13	0.4062	10.8389	22.8003	ABCB1	ATP-depenMDR1

Phyllalbine	MRP1_HUMAN	1.25E-06	0.2951	1.7363	10.1468	ABCC1	Multidrug r	MRP1
Phyllalbine	NF2L2_HUMAN	1.17E-08	0.3529	1.0003	13.7927	NFE2L2	Nuclear fac	NF2L2
Phyllalbine	NFKB1_HUMAN	1.44E-15	0.3519	1.3029	26.2114	NFKB1	Nuclear fac	NFKB1
Phyllalbine	PAI1_HUMAN	2.48E-06	0.383	1.3904	9.6136	SERPINE1	Plasminoge	PAI1
Phyllalbine	PDE4B_HUMAN	6.24E-10	0.4355	8.0586	16.0756	PDE4B	cAMP-spec	PDE4B
Phyllalbine	SC6A3_HUMAN	1.17E-25	0.3898	34.1747	44.3081	SLC6A3	Sodium-dej	SC6A3
Phyllalbine	SC6A4_HUMAN	1.53E-14	0.4545	28.1303	24.3534	SLC6A4	Sodium-dej	SC6A4
Phyllalbine	SDF1_HUMAN	9.61E-91	0.3621	4.9989	161.1593	CXCL12	Stromal cel	SDF1
Protocatechuic acid	A4_HUMAN	6.57E-10	0.4348	6.6948	16.0354	APP	Amyloid-b	A4
Protocatechuic acid	AK1C3_HUMAN	3.81E-47	0.4231	19.5124	82.8873	AKR1C3	Aldo-keto r	AK1C3
Protocatechuic acid	CH60_HUMAN	2.58E-11	0.3846	0.3846	18.5589	HSPD1	60 kDa hea	CH60
Protocatechuic acid	CYC_HUMAN	1.33E-36	0.2895	0.2895	63.9581	CYCS	Cytochrom	CYC
Protocatechuic acid	DOPO_HUMAN	3.01E-08	0.3077	0.3077	13.0529	DBH	Dopamine	DOPO
Protocatechuic acid	ERN1_HUMAN	3.33E-16	0.4688	6.8791	27.2433	ERN1	Serine/thre	ERN1
Protocatechuic acid	EST2_HUMAN	1.34E-31	0.44	6.1324	54.9761	CES2	Cocaine est	EST2
Protocatechuic acid	HS71A_HUMAN	4.75E-06	0.2955	0.2955	9.1071	HSPA1A	Heat shock	HS71A
Protocatechuic acid	IBP3_HUMAN	2.17E-71	0.4722	6.2849	126.4145	IGFBP3	Insulin-like	IBP3
Protocatechuic acid	IBP5_HUMAN	9.38E-83	0.4722	2.7932	146.816	IGFBP5	Insulin-like	IBP5
Protocatechuic acid	MPIP2_HUMAN	2.07E-06	0.3514	1.9201	9.7564	CDC25B	M-phase in	MPIP2
Protocatechuic acid	NR4A1_HUMAN	9.76E-09	0.3529	1.0202	13.9314	NR4A1	Nuclear rec	NR4A1
Protocatechuic acid	NR4A2_HUMAN	3.45E-07	0.2927	0.2927	11.1523	NR4A2	Nuclear rec	NR4A2
Protocatechuic acid	PAI1_HUMAN	6.25E-14	0.3667	3.1849	23.2556	SERPINE1	Plasminoge	PAI1
Protocatechuic acid	PPBT_HUMAN	3.66E-19	0.4167	6.3344	32.6503	ALPL	Alkaline p	PPBT
Protocatechuic acid	RARA_HUMAN	6.71E-43	0.4324	10.7337	75.2647	RARA	Retinoic ac	RARA
Protocatechuic acid	RHOA_HUMAN	7.33E-06	0.3333	0.3333	8.7683	RHOA	Transformi	RHOA
Protocatechuic acid	SDF1_HUMAN	1.42E-19	0.3889	1.0465	33.3867	CXCL12	Stromal cel	SDF1
Protocatechuic acid	SYUA_HUMAN	2.73E-25	0.4839	5.89	43.6512	SNCA	Alpha-synu	SYUA
Protocatechuic acid	TTHY_HUMAN	8.97E-29	0.5161	4.2036	49.9034	TTR	Transthyre	TTHY
Protocatechuic acid	TY3H_HUMAN	2.9E-18	0.2895	0.2895	31.036	TH	Tyrosine 3-	TY3H
Protocatechuic acid	XCT_HUMAN	3.2E-09	0.3667	0.3667	14.8008	SLC7A11	Cystine/glu	XCT
Syringic acid	A4_HUMAN	4.98E-10	0.3846	6.7767	16.252	APP	Amyloid-b	A4
Syringic acid	ABCG2_HUMAN	2.31E-14	0.3684	6.9034	24.0318	ABCG2	Broad subs	ABCG2
Syringic acid	AK1C3_HUMAN	2.66E-26	0.4	10.8381	45.4652	AKR1C3	Aldo-keto r	AK1C3
Syringic acid	CP1A1_HUMAN	1.09E-09	0.2955	0.8826	15.6409	CYP1A1	Cytochrom	CP1A1
Syringic acid	CP1B1_HUMAN	3.42E-08	0.2979	1.7578	12.9532	CYP1B1	Cytochrom	CP1B1
Syringic acid	ERN1_HUMAN	2.42E-77	0.5	33.338	137.0993	ERN1	Serine/thre	ERN1
Syringic acid	EST2_HUMAN	2.34E-10	0.359	1.9447	16.8402	CES2	Cocaine est	EST2

Syringic acid	FABP4_HUMAN	5.72E-09	0.3333	2.2267	14.3476	FABP4	Fatty acid-b
Syringic acid	FOS_HUMAN	1.37E-06	0.325	0.6145	10.0776	FOS	Proto-onco
Syringic acid	HMDH_HUMAN	2.65E-06	0.3714	1.6254	9.5628	HMGCR	3-hydroxy-
Syringic acid	IBP3_HUMAN	1.12E-12	0.3673	1.0678	21.0039	IGFBP3	Insulin-like
Syringic acid	JUN_HUMAN	7.86E-09	0.3488	1.8399	14.1008	JUN	Transcripti
Syringic acid	MDR1_HUMAN	5.61E-07	0.3415	5.5429	10.7729	ABCB1	ATP-depen
Syringic acid	NF2L2_HUMAN	3.37E-20	0.4324	2.432	34.5091	NFE2L2	Nuclear fac
Syringic acid	NFKB1_HUMAN	1.94E-21	0.325	1.815	36.7349	NFKB1	Nuclear fac
Syringic acid	RARA_HUMAN	3.23E-11	0.3902	2.7274	18.3846	RARA	Retinoic ac
Syringic acid	SDF1_HUMAN	1.55E-58	0.4146	3.2103	103.3389	CXCL12	Stromal cel
Syringic acid	TNR1A_HUMAN	3.7E-39	0.375	5.8385	68.5483	TNFRSF1	Tumor necr
Syringic acid	TTHY_HUMAN	5.55E-16	0.4359	2.3032	27.0032	TTR	Transthyret
Taxifolin	CP1B1_HUMAN	9.33E-11	0.449	2.3404	17.557	CYP1B1	Cytochrom
Taxifolin	CP2C8_HUMAN	1.72E-07	0.3208	0.3208	11.6924	CYP2C8	Cytochrom
Taxifolin	ESR1_HUMAN	1.39E-06	0.4194	8.2802	10.0628	ESR1	Estrogen re
Taxifolin	MRP2_HUMAN	4.44E-15	0.303	0.5887	25.3218	ABCC2	Canalicular
Taxifolin	VEGFA_HUMAN	2.96E-17	0.375	1.0409	29.2241	VEGFA	Vascular er
Trigonelline	EST2_HUMAN	1.13E-30	0.3571	5.9497	53.3124	CES2	Cocaine est
Trimethoprim	CDN1A_HUMAN	9.88E-09	0.2903	0.2903	13.9218	CDKN1A	Cyclin-dep
Trimethoprim	IBP5_HUMAN	8.86E-10	0.3065	0.3065	15.8021	IGFBP5	Insulin-like
Trimethoprim	TNR1A_HUMAN	7.88E-11	0.3396	1.5539	17.6889	TNFRSF1	Tumor necr
Vestitol	CP1B1_HUMAN	2.34E-08	0.3621	1.7955	13.2508	CYP1B1	Cytochrom
Vestitol	DRD1_HUMAN	7.37E-09	0.3448	6.4331	14.151	DRD1	D(1A) dop
Vestitol	ESR1_HUMAN	1.09E-08	0.3396	10.8186	13.8435	ESR1	Estrogen re
Wighteone	ABCG2_HUMAN	4.72E-08	0.5862	3.8285	12.702	ABCG2	Broad subs
Wighteone	CP1A1_HUMAN	7.3E-07	0.3235	0.6069	10.5676	CYP1A1	Cytochrom
Wighteone	CP1B1_HUMAN	1.16E-09	0.4727	2.0921	15.5949	CYP1B1	Cytochrom
Wighteone	CP2C8_HUMAN	1.05E-06	0.2833	0.2833	10.2806	CYP2C8	Cytochrom
Wighteone	HIF1A_HUMAN	3.07E-10	0.3636	2.2501	16.6282	HIF1A	Hypoxia-in
Wighteone	IL2_HUMAN	1.66E-25	0.4286	1.4695	44.0383	IL2	Interleukin
Wighteone	PON1_HUMAN	8.6E-19	0.2982	0.2982	31.9836	PON1	Serum para
Wighteone	TF65_HUMAN	1.71E-07	0.4483	1.1899	11.7002	RELA	Transcripti
Adenosine 5'-monophosphate	ASNS_HUMAN	2.6E-120	0.6825	1.9856	214.2572	ASNS	Asparagine
Adenosine 5'-monophosphate	BIP_HUMAN	3.6E-127	0.8462	5.4782	226.5629	HSPA5	Endoplasm
Adenosine 5'-monophosphate	DNMT1_HUMAN	7.49E-34	0.5645	8.0678	59.0214	DNMT1	DNA (cyto
Adenosine 5'-monophosphate	EZH2_HUMAN	1.9E-09	0.5645	3.5172	15.2087	EZH2	Histone-lys
Adenosine 5'-monophosphate	HS71A_HUMAN	1.11E-15	0.8302	0.8302	26.3939	HSPA1A	Heat shock

Adenosine 5'-monophosphate	HSP7C_HUMAN	3.34E-68	0.8462	4.7168	120.6906	HSPA8	Heat shock HSP7C
Adenosine 5'-monophosphate	KAPCA_HUMAN	3.33E-16	0.5	7.0395	27.4291	PRKACA	cAMP-dep KAPCA
Adenosine 5'-monophosphate	RAC1_HUMAN	1.27E-18	0.5625	0.5625	31.6769	RAC1	Ras-related RAC1
AICAR	ASNS_HUMAN	1.5E-57	0.3158	0.9424	101.5674	ASNS	Asparagine ASNS
AICAR	BIP_HUMAN	6.6E-50	0.4259	2.1298	87.8449	HSPA5	Endoplasm BIP
AICAR	DNMT1_HUMAN	1.44E-26	0.587	6.3092	45.9451	DNMT1	DNA (cyto DNMT1
AICAR	HS71A_HUMAN	4.22E-07	0.3538	0.3538	10.9948	HSPA1A	Heat shock HS71A
AICAR	HSP7C_HUMAN	4.34E-58	0.5385	4.0101	102.5343	HSPA8	Heat shock HSP7C
AICAR	RAC1_HUMAN	3.8E-12	0.3582	0.3582	20.0528	RAC1	Ras-related RAC1
alpha-D-Glucose	BIP_HUMAN	1.41E-07	0.2955	0.2955	11.8506	HSPA5	Endoplasm BIP
alpha-D-Glucose	FGF2_HUMAN	8.28E-23	0.3659	1.0032	39.1942	FGF2	Fibroblast FGF2
alpha-D-Glucose	IL6_HUMAN	2.79E-07	0.2826	0.2826	11.3184	IL6	Interleukin IL6
alpha-D-Glucose	VEGFA_HUMAN	1.11E-16	0.3659	1.0032	28.148	VEGFA	Vascular en VEGFA
alpha-Tocopherol	CHLE_HUMAN	5.84E-07	0.3247	6.8118	10.7413	BCHE	Cholinester CHLE
Beta-D-Fructose 2-phosphate	ITPR1_HUMAN	3.5E-12	0.2973	0.2973	20.1176	ITPR1	Inositol 1,4 ITPR1
beta-Nicotinamide mononucleotide	BIP_HUMAN	2.62E-07	0.2838	0.2838	11.3671	HSPA5	Endoplasm BIP
beta-Nicotinamide mononucleotide	RAC1_HUMAN	7.54E-10	0.2857	0.2857	15.9278	RAC1	Ras-related RAC1
Crotonoside	ASNS_HUMAN	9.47E-70	0.3919	1.1451	123.4694	ASNS	Asparagine ASNS
Crotonoside	BIP_HUMAN	9.75E-86	0.4667	3.6826	152.1721	HSPA5	Endoplasm BIP
Crotonoside	DNMT1_HUMAN	2.26E-35	0.58	8.4349	61.7511	DNMT1	DNA (cyto DNMT1
Crotonoside	EZH2_HUMAN	9.26E-08	0.4462	2.8689	12.1773	EZH2	Histone-lys EZH2
Crotonoside	HS71A_HUMAN	5.5E-08	0.403	0.403	12.5833	HSPA1A	Heat shock HS71A
Crotonoside	HSP7C_HUMAN	2.7E-64	0.4561	4.4437	113.6746	HSPA8	Heat shock HSP7C
Crotonoside	KAPCA_HUMAN	5.68E-12	0.3714	5.1573	19.7395	PRKACA	cAMP-dep KAPCA
Crotonoside	RAC1_HUMAN	2.22E-16	0.4923	0.4923	27.683	RAC1	Ras-related RAC1
Cyanidin 3-rutinoside	IL2_HUMAN	1.92E-24	0.375	1.4064	42.1283	IL2	Interleukin IL2
Cynaroside	ABCG2_HUMAN	4.83E-08	0.5556	3.8238	12.6846	ABCG2	Broad subs ABCG2
Cynaroside	CP1A1_HUMAN	7.69E-11	0.371	0.9949	17.708	CYP1A1	Cytochrom CP1A1
Cynaroside	CP1B1_HUMAN	3.09E-25	0.5556	5.6301	43.5526	CYP1B1	Cytochrom CP1B1
Cynaroside	CP2C8_HUMAN	1.52E-08	0.371	0.371	13.5869	CYP2C8	Cytochrom CP2C8
Cynaroside	CREB1_HUMAN	5.27E-69	0.3529	1.3674	122.1316	CREB1	Cyclic AM CREB1
Cynaroside	FGF2_HUMAN	3.8E-14	0.3143	0.6092	23.6434	FGF2	Fibroblast FGF2
Cynaroside	IL2_HUMAN	7.8E-42	1	2.4376	73.3518	IL2	Interleukin IL2
Cynaroside	IL6_HUMAN	1.72E-07	0.2917	0.2917	11.6937	IL6	Interleukin IL6
Cynaroside	MDR1_HUMAN	1.06E-09	0.4386	7.6954	15.6613	ABCB1	ATP-depen MDR1
Cynaroside	MRP1_HUMAN	5.64E-11	0.4516	2.9469	17.9497	ABCC1	Multidrug MRP1
Cynaroside	RASH_HUMAN	1.2E-14	0.3896	1.1128	24.5402	HRAS	GTPase HFRASH

Cynaroside	TNFA_HUMAN	7.79E-05	1	2.3248	6.9264	TNF	Tumor necr
Cynaroside	TTHY_HUMAN	3.12E-07	0.5556	0.9942	11.2298	TTR	Transthyret
Cynaroside	VEGFA_HUMAN	1.11E-16	0.3913	1.0005	28.0713	VEGFA	Vascular et
Cynaroside	XDH_HUMAN	8.28E-33	0.5821	7.1121	57.147	XDH	Xanthine d
CYS-GLY	ARG1_HUMAN	3.52E-24	0.2973	0.2973	41.6573	ARG1	Arginase-1
CYS-GLY	GSTM1_HUMAN	1.62E-20	0.3269	0.3269	35.0815	GSTM1	Glutathione
CYS-GLY	GSTP1_HUMAN	8.17E-14	0.3269	1.9133	23.0468	GSTP1	Glutathione
D-Maltose	FGF2_HUMAN	4.1E-33	0.5349	1.4719	57.6962	FGF2	Fibroblast
D-Maltose	IL2_HUMAN	5.55E-16	0.3051	0.9051	26.9467	IL2	Interleukin
D-Maltose	RASH_HUMAN	4.35E-06	0.431	0.431	9.1757	HRAS	GTPase H
D-Maltose	VEGFA_HUMAN	4.18E-24	0.5349	1.4719	41.5233	VEGFA	Vascular et
DG(16:0/16:0/0:0)	CP2E1_HUMAN	5.59E-31	0.3023	0.6047	53.8625	CYP2E1	Cytochrom
DG(16:0/16:0/0:0)	EST2_HUMAN	1.11E-16	0.3939	3.1976	28.2502	CES2	Cocaine est
DG(16:0/16:0/0:0)	HYEP_HUMAN	1.22E-07	0.325	2.0851	11.9629	EPHX1	Epoxide hy
DG(16:0/16:0/0:0)	KPCA_HUMAN	2.53E-37	1	24.9742	65.2532	PRKCA	Protein kin
DG(16:0/16:0/0:0)	KPCE_HUMAN	1.67E-13	1	4.6947	22.4883	PRKCE	Protein kin
DG(16:0/16:0/0:0)	TLR4_HUMAN	2.02E-09	0.2821	1.1282	15.159	TLR4	Toll-like re
DG(16:0/16:0/0:0)	VEGFA_HUMAN	5.55E-16	0.4815	0.963	27.0013	VEGFA	Vascular et
Erucic acid	CNR1_HUMAN	1.12E-14	0.5714	28.7126	24.5926	CNR1	Cannabinoid
Erucic acid	EST2_HUMAN	4.13E-36	0.5	7.0218	63.0756	CES2	Cocaine est
Erucic acid	GSTM1_HUMAN	5.19E-19	0.3019	0.3019	32.377	GSTM1	Glutathione
Erucic acid	HMDH_HUMAN	1.07E-17	0.6471	4.7619	30.0178	HMGCR	3-hydroxy-
Erucic acid	HYEP_HUMAN	8.88E-16	0.3548	4.4244	26.5754	EPHX1	Epoxide hy
Erucic acid	KPCA_HUMAN	7.84E-23	0.475	15.2644	39.2366	PRKCA	Protein kin
Erucic acid	KPCE_HUMAN	1.33E-06	0.339	2.2383	10.0996	PRKCE	Protein kin
Erucic acid	MGLL_HUMAN	1.19E-06	0.4571	2.1877	10.1833	MGLL	Monoglyce
Erucic acid	MPIP2_HUMAN	4.73E-12	0.5676	3.7079	19.8816	CDC25B	M-phase in
Erucic acid	PPARA_HUMAN	2.3E-09	1	11.3778	15.0575	PPARA	Peroxisom
Erucic acid	PPARG_HUMAN	5.19E-10	1	16.6614	16.2199	PPARG	Peroxisom
Galactose 1-phosphate	FGF2_HUMAN	1.26E-24	0.375	1.0859	42.4593	FGF2	Fibroblast
Galactose 1-phosphate	IL2_HUMAN	5.78E-22	0.3276	1.2595	37.6797	IL2	Interleukin
Galactose 1-phosphate	ITPR1_HUMAN	1.28E-26	0.3636	0.6747	46.0373	ITPR1	Inositol 1,4
Galactose 1-phosphate	TLR4_HUMAN	5.62E-09	0.3571	1.0714	14.3613	TLR4	Toll-like re
Galactose 1-phosphate	VEGFA_HUMAN	5.7E-18	0.375	1.0859	30.5084	VEGFA	Vascular et
Glucose 1-phosphate	FGF2_HUMAN	1.26E-24	0.375	1.0859	42.4593	FGF2	Fibroblast
Glucose 1-phosphate	IL2_HUMAN	5.78E-22	0.3276	1.2595	37.6797	IL2	Interleukin
Glucose 1-phosphate	ITPR1_HUMAN	1.28E-26	0.3636	0.6747	46.0373	ITPR1	Inositol 1,4

Glucose 1-phosphate	TLR4_HUMAN	5.62E-09	0.3571	1.0714	14.3613	TLR4	Toll-like re TLR4
Glucose 1-phosphate	VEGFA_HUMAN	5.7E-18	0.375	1.0859	30.5084	VEGFA	Vascular er VEGFA
Kaempferol-3-O-rutinoside	ABCG2_HUMAN	1.4E-10	0.3939	5.0606	17.2417	ABCG2	Broad subs ABCG2
Kaempferol-3-O-rutinoside	CP1B1_HUMAN	9.42E-21	0.4328	4.6114	35.5029	CYP1B1	Cytochrom CP1B1
Kaempferol-3-O-rutinoside	CP2C8_HUMAN	5E-09	0.3939	0.3939	14.4536	CYP2C8	Cytochrom CP2C8
Kaempferol-3-O-rutinoside	IL2_HUMAN	1.26E-31	0.4156	1.8323	55.0231	IL2	Interleukin· IL2
Kaempferol-3-O-rutinoside	MDR1_HUMAN	9.54E-07	0.4545	5.3603	10.3583	ABCB1	ATP-depen MDR1
Kaempferol-3-O-rutinoside	MRP1_HUMAN	1.15E-07	0.3939	2.0247	12.0057	ABCC1	Multidrug 1 MRP1
Kaempferol-3-O-rutinoside	XDH_HUMAN	1.16E-25	0.6522	5.541	44.3194	XDH	Xanthine d XDH
Kojibiose	FGF2_HUMAN	1.12E-14	0.3333	0.6333	24.5976	FGF2	Fibroblast { FGF2
Kojibiose	VEGFA_HUMAN	8.88E-11	0.3333	0.6333	17.5961	VEGFA	Vascular er VEGFA
L-Arginine	ARG1_HUMAN	3.39E-57	0.3611	0.7183	100.9302	ARG1	Arginase-1 ARG1
L-Arginine	GSH1_HUMAN	5.16E-60	0.3333	0.9833	105.9904	GCLC	Glutamate- GSH1
L-Arginine	NOS2_HUMAN	1.11E-16	0.7241	8.8604	28.4904	NOS2	Nitric oxid NOS2
L-Arginine	NOS3_HUMAN	7.41E-13	0.7241	3.9631	21.3271	NOS3	Nitric oxid NOS3
Lactulose	FGF2_HUMAN	2.23E-29	0.4706	1.302	50.9879	FGF2	Fibroblast { FGF2
Lactulose	IL2_HUMAN	1.24E-20	0.3125	1.1806	35.2885	IL2	Interleukin· IL2
Lactulose	VEGFA_HUMAN	2.1E-21	0.4706	1.302	36.6739	VEGFA	Vascular er VEGFA
Liriodendrin	FGF2_HUMAN	3.96E-22	0.3492	0.9722	37.9734	FGF2	Fibroblast { FGF2
Liriodendrin	IL2_HUMAN	3.24E-30	0.3973	1.7488	52.4937	IL2	Interleukin· IL2
Liriodendrin	IL6_HUMAN	3.48E-09	0.3651	0.3651	14.735	IL6	Interleukin· IL6
Liriodendrin	VEGFA_HUMAN	3.33E-16	0.3492	0.9722	27.2655	VEGFA	Vascular er VEGFA
Narcissoside	ABCG2_HUMAN	1.44E-15	0.4521	7.4834	26.1687	ABCG2	Broad subs ABCG2
Narcissoside	CP1A1_HUMAN	1.18E-07	0.4	0.684	11.9861	CYP1A1	Cytochrom CP1A1
Narcissoside	CP1B1_HUMAN	8.38E-26	0.5522	5.759	44.571	CYP1B1	Cytochrom CP1B1
Narcissoside	CP2C8_HUMAN	3.73E-09	0.4	0.4	14.6823	CYP2C8	Cytochrom CP2C8
Narcissoside	IL2_HUMAN	1.34E-30	0.4024	1.7714	53.1789	IL2	Interleukin· IL2
Narcissoside	MDR1_HUMAN	3.51E-06	0.4507	4.9135	9.3436	ABCB1	ATP-depen MDR1
Narcissoside	MRP1_HUMAN	2.56E-07	0.4588	1.9284	11.385	ABCC1	Multidrug 1 MRP1
Narcissoside	XDH_HUMAN	1.14E-18	0.6	4.0033	31.7644	XDH	Xanthine d XDH
Peonidin-3-glucoside	FGF2_HUMAN	1.8E-07	0.3056	0.3056	11.6604	FGF2	Fibroblast { FGF2
Peonidin-3-glucoside	IL2_HUMAN	2.06E-30	0.48	1.7604	52.8465	IL2	Interleukin· IL2
Peonidin-3-glucoside	IL6_HUMAN	1.87E-09	0.3768	0.3768	15.2211	IL6	Interleukin· IL6
Peonidin-3-glucoside	NFKB1_HUMAN	3.12E-07	0.2923	0.574	11.2311	NFKB1	Nuclear fac NFKB1
Peonidin-3-glucoside	RASH_HUMAN	3.82E-12	0.3133	0.9135	20.0484	HRAS	GTPase H RASH
Procyanidin B1	CP1B1_HUMAN	3.55E-06	0.35	1.2999	9.335	CYP1B1	Cytochrom CP1B1
Procyanidin B1	VEGFA_HUMAN	1.99E-29	0.6333	1.8068	51.0795	VEGFA	Vascular er VEGFA

Procyanidin B2	CP1B1_HUMAN	3.55E-06	0.35	1.2999	9.335	CYP1B1	Cytochrom CP1B1
Procyanidin B2	VEGFA_HUMAN	1.99E-29	0.6333	1.8068	51.0795	VEGFA	Vascular ei VEGFA
Rutin	ABCG2_HUMAN	7.52E-10	0.4921	4.7047	15.9303	ABCG2	Broad subs ABCG2
Rutin	CP1B1_HUMAN	3.03E-21	0.4921	4.7234	36.3876	CYP1B1	Cytochrom CP1B1
Rutin	CP2C8_HUMAN	4.33E-11	0.4921	0.4921	18.1558	CYP2C8	Cytochrom CP2C8
Rutin	IL2_HUMAN	2.13E-31	0.48	1.8188	54.6155	IL2	Interleukin· IL2
Rutin	MRP1_HUMAN	5.84E-08	0.4921	2.1071	12.537	ABCC1	Multidrug 1 MRP1
Rutin	XDH_HUMAN	3.38E-26	0.6571	5.6584	45.2777	XDH	Xanthine d XDH
Sucrose	BIP_HUMAN	2.36E-07	0.2857	0.2857	11.4471	HSPA5	Endoplasm BIP
Sucrose	FGF2_HUMAN	1.31E-23	0.3774	1.0396	40.6312	FGF2	Fibroblast { FGF2
Sucrose	IL2_HUMAN	1.11E-16	0.3387	0.9372	27.9183	IL2	Interleukin· IL2
Sucrose	RASH_HUMAN	2.23E-08	0.3134	0.6134	13.2861	HRAS	GTPase HFRASH
Sucrose	VEGFA_HUMAN	3.11E-17	0.3774	1.0396	29.1869	VEGFA	Vascular ei VEGFA
Turanose	FGF2_HUMAN	9.8E-21	0.3103	0.9089	35.4722	FGF2	Fibroblast { FGF2
Turanose	VEGFA_HUMAN	3.66E-15	0.3103	0.9089	25.4574	VEGFA	Vascular ei VEGFA
Uridine 5'-diphospho-D-glucose	ASNS_HUMAN	1.96E-52	0.2921	0.8574	92.3812	ASNS	Asparagine ASNS
Uridine 5'-diphospho-D-glucose	BIP_HUMAN	5.45E-10	0.4	0.4	16.1817	HSPA5	Endoplasm BIP
Uridine 5'-diphospho-D-glucose	FGF2_HUMAN	1.26E-07	0.3125	0.3125	11.9345	FGF2	Fibroblast { FGF2
Uridine 5'-diphospho-D-glucose	HS71A_HUMAN	3.58E-08	0.4133	0.4133	12.9179	HSPA1A	Heat shock HS71A
Uridine 5'-diphospho-D-glucose	HSP7C_HUMAN	8.23E-11	0.4	0.7067	17.6552	HSPA8	Heat shock HSP7C
Uridine 5'-diphospho-D-glucose	RAC1_HUMAN	5.77E-14	0.4156	0.4156	23.3174	RAC1	Ras-related RAC1
Vidarabine	ASNS_HUMAN	7.01E-94	0.5312	1.5462	166.7915	ASNS	Asparagine ASNS
Vidarabine	BIP_HUMAN	3.3E-137	0.6596	5.9129	244.5703	HSPA5	Endoplasm BIP
Vidarabine	DNMT1_HUMAN	8.55E-38	0.6182	9.0197	66.0993	DNMT1	DNA (cyto DNMT1
Vidarabine	EZH2_HUMAN	4.66E-10	0.6182	3.7514	16.3037	EZH2	Histone-lys EZH2
Vidarabine	HS71A_HUMAN	7.33E-12	0.6182	0.6182	19.5402	HSPA1A	Heat shock HS71A
Vidarabine	HSP7C_HUMAN	2.68E-85	0.6596	5.9113	151.3831	HSPA8	Heat shock HSP7C
Vidarabine	KAPCA_HUMAN	7.32E-18	0.5424	7.7457	30.3139	PRKACA	cAMP-dep KAPCA
Vidarabine	RAC1_HUMAN	2.8E-13	0.3939	0.3939	22.0858	RAC1	Ras-related RAC1