

Supplement Table 1. 100 putative targets of D7.

Number	Protein name	Gene name
1	Integrin alpha-3	ITGA3
2	Integrin alpha-4/beta-1	ITGB1 ITGA4
3	Integrin alpha-4/beta-7	ITGB7 ITGA4
4	Integrin alpha-IIb/beta-3	ITGA2B ITGB3
5	Integrin alpha-V/beta-3	ITGAV ITGB3
6	Integrin alpha-5/beta-1	ITGB1 ITGA5
7	SPRY domain-containing SOCS box protein 2	SPSB2
8	Oxytocin receptor (by homology)	OXTR
9	Beta-secretase 1	BACE1
10	HLA class I histocompatibility antigen A-3	HLA-A
11	Mu opioid receptor (by homology)	OPRM1
12	Adenosine A2a receptor	ADORA2A
13	Integrin alpha-4	ITGA4
14	Delta opioid receptor (by homology)	OPRD1
15	Vasopressin V1b receptor	AVPR1B
16	DNA (cytosine-5)-methyltransferase 1	DNMT1
17	DNA (cytosine-5)-methyltransferase 3B	DNMT3B
18	C3a anaphylatoxin chemotactic receptor	C3AR1
19	Leukocyte common antigen	PTPRC
20	Aminopeptidase A	ENPEP
21	Inhibitor of apoptosis protein 3	XIAP
22	Thromboxane-A synthase	TBXAS1
23	Cholecystokinin A receptor	CCKAR
24	Baculoviral IAP repeat-containing protein 3	BIRC3
25	CD22	CD22
26	Disks large homolog 4	DLG4
27	Protein-tyrosine phosphatase 1B	PTPN1
28	T-cell protein-tyrosine phosphatase	PTPN2
29	NAD-dependent deacetylase sirtuin 1	SIRT1
30	Melanocortin receptor 4	MC4R
31	Insulin-degrading enzyme	IDE
32	Purinergic receptor P2Y12	P2RY12
33	Growth factor receptor-bound protein 2	GRB2
34	Calcium sensing receptor	CASR
35	Vasopressin V2 receptor (by homology)	AVPR2
36	Vasopressin V1a receptor (by homology)	AVPR1A
37	Scavenger receptor class B member 1	SCARB1
38	Angiotensin-converting enzyme	ACE
39	Histone-lysine N-methyltransferase, H3 lysine-79 specific	DOT1L
40	Casein kinase II alpha	CSNK2A1
41	Heat shock protein HSP 90-alpha	HSP90AA1
42	Casein kinase II alpha (prime)	CSNK2A2

43	Serine/threonine protein phosphatase 2A, catalytic subunit, alpha isoform	PPP2CA
44	P-selectin	SELP
45	Serine/threonine-protein phosphatase	PPP5C
46	TNF-alpha	TNF
47	Serine/threonine protein phosphatase PP1-alpha catalytic subunit	PPP1CA
48	Transcription factor AP1	FOS
49	C-C chemokine receptor type 5	CCR5
50	Tyrosine-protein kinase LCK	LCK
51	Ileal bile acid transporter	SLC10A2
52	Carbonic anhydrase II	CA2
53	Beta-3 adrenergic receptor	ADRB3
54	Carbonic anhydrase I	CA1
55	Adenosine A1 receptor	ADORA1
56	Adenosine A3 receptor	ADORA3
57	Tyrosine-protein kinase SYK	SYK
58	Myelin-associated glycoprotein	MAG
59	Platelet-derived growth factor receptor beta	PDGFRB
60	Thymidylate synthase (by homology)	TYMS
61	Protein phosphatase 2C beta	PPM1B
62	Serine/threonine protein phosphatase PP1-gamma catalytic subunit	PPP1CC
63	Serine/threonine protein phosphatase 2A, 56 kDa regulatory subunit, alpha isoform	PPP2R5A
64	Lysosomal protective protein	CTSA
65	Cathepsin D	CTSD
66	Inhibitor of nuclear factor kappa B kinase beta subunit	IKBKB
67	EZH2/SUZ12/EED/RBBP7/RBBP4	EZH2
68	Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1	PIN1
69	Tissue-type plasminogen activator	PLAT
70	Coagulation factor XI	F11
71	Coagulation factor VII	F7
72	Peroxisome proliferator-activated receptor gamma	PPARG
73	Squalene synthetase (by homology)	FDFT1
74	GABA transporter 1 (by homology)	SLC6A1
75	HERG	KCNH2
76	Disintegrin and metalloproteinase domain-containing protein 8	ADAM8
77	Glutamate receptor ionotropic kainate 1	GRIK1
78	Glutamate receptor ionotropic kainate 2	GRIK2
79	Glutamate receptor ionotropic kainate 3	GRIK3
80	ALK tyrosine kinase receptor	ALK
81	Serotonin 2b (5-HT2b) receptor	HTR2B
82	Alpha-2a adrenergic receptor	ADRA2A

83	Adrenergic receptor alpha-2	ADRA2C
84	Alpha-2b adrenergic receptor	ADRA2B
85	Dopamine D1 receptor	DRD1
86	Dopamine D2 receptor	DRD2
87	Alpha-1d adrenergic receptor	ADRA1D
88	Serotonin 2a (5-HT2a) receptor	HTR2A
89	Serotonin 2c (5-HT2c) receptor	HTR2C
90	Alpha-1a adrenergic receptor (by homology)	ADRA1A
91	Dopamine D3 receptor	DRD3
92	Peroxisome proliferator-activated receptor alpha	PPARA
93	Cytochrome P450 2D6	CYP2D6
94	Serotonin 6 (5-HT6) receptor	HTR6
95	Sodium/glucose cotransporter 2	SLC5A2
96	Matrix metalloproteinase 10	MMP10
97	Matrix metalloproteinase 12	MMP12
98	Serotonin 1b (5-HT1b) receptor (by homology)	HTR1B
99	Kallikrein 1	KLK1
100	Alpha-1b adrenergic receptor	ADRA1B
