

Common Differentially Expressed Genes in Cases of TDP-43 Pathology

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15 February 2016

Gene Symbol	Gene Names
ACAT1	acetyl-CoA acetyltransferase 1
BPTF	bromodomain PHD finger transcription factor
C14orf1	chromosome 14 open reading frame 1
RPL17-C18orf32	chromosome 18 open reading frame 32
CAPN2	calpain 2, (m/II) large subunit
CCT2	chaperonin containing TCP1, subunit 2 (beta)
CDK16	cyclin-dependent kinase 16
CDK5R1	cyclin-dependent kinase 5, regulatory subunit 1 (p35)
CREB1	cAMP responsive element binding protein 1
CSRP1	cysteine and glycine-rich protein 1
CST3	cystatin C
DCN	decorin
DDX39A	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39A
DDX39B	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39B
DDX5	DEAD (Asp-Glu-Ala-Asp) box helicase 5
DMD	dystrophin
DYNLT1	dynein, light chain, Tctex-type 1
ETS2	v-ets erythroblastosis virus E26 oncogene homolog 2 (avian)
FBXL14	F-box and leucine-rich repeat protein 14
FBXO9	F-box protein 9
GNPAT	glyceronephosphate O-acyltransferase
GSTO1	glutathione S-transferase omega 1
GTF2I	general transcription factor Iii
GTF3C2	general transcription factor IIIC, polypeptide 2, beta 110kDa
HSD17B4	hydroxysteroid (17-beta) dehydrogenase 4
ICMT	isoprenylcysteine carboxyl methyltransferase
ITM2A	integral membrane protein 2A
LBR	lamin B receptor
LDLRAD4	Low Density Lipoprotein Receptor Class A Domain Containing 4
LSM5	LSM5 homolog, U6 small nuclear RNA associated (S. cerevisiae)
MAP3K13	mitogen-activated protein kinase kinase kinase 13
MAP4K4	mitogen-activated protein kinase kinase kinase kinase 4
MARS	Methionyl-TRNA Synthetase
MPHOSPH9	M-phase phosphoprotein 9
MSL3	male-specific lethal 3 homolog (Drosophila)
MTR	5-methyltetrahydrofolate-homocysteine methyltransferase
NAGA	N-acetylgalactosaminidase, alpha-
NKTR	natural killer-tumor recognition sequence
NUTF2	nuclear transport factor 2
PAICS	phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase
PCNA	proliferating cell nuclear antigen
PFDN1	prefoldin subunit 1
PRKD1	protein kinase D1

Gene Symbol	Gene Names
PSAP	prosaposin
PSMD1	proteasome (prosome, macropain) 26S subunit, non-ATPase, 1
PTEN	phosphatase and tensin homolog
RNF13	ring finger protein 13
RNF130	ring finger protein 130
RPL6	ribosomal protein L6
RPLP2	ribosomal protein, large, P2
RPS6	ribosomal protein S6
RSRC2	arginine/serine-rich coiled-coil 2
RTN1	reticulon 1
SMPD4	sphingomyelin phosphodiesterase 4, neutral membrane (neutral sphingomyelinase-3)
STOM	stomatin
SUPT7L	suppressor of Ty 7 (<i>S. cerevisiae</i>)-like
TAF5L	TAF5-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor, 65kDa
TANK	TRAF family member-associated NFkB activator
TARDBP	TAR DNA binding protein
TARS	threonyl-tRNA synthetase
TCF4	transcription factor 4
TMEM59	transmembrane protein 59
TNFAIP1	tumor necrosis factor, alpha-induced protein 1 (endothelial)
TRO	trophinin
TUBB3	tubulin, beta 3 class III
UNC119B	unc-119 homolog B (<i>C. elegans</i>)
UPF3A	UPF3 regulator of nonsense transcripts homolog A (yeast)
USP11	ubiquitin specific peptidase 11
WASL	Wiskott-Aldrich syndrome-like
WBSCR22	Williams Beuren syndrome chromosome region 22
WDR78	WD repeat domain 78
ZFP36	zinc finger protein 36, C3H type, homolog (mouse)
ZIC1	Zic family member 1