Gene Symbol	Description	SZ Association Type	Reference
ABCB10	ATP-binding cassette, sub-family B (MDR/TAP), member 10	DER (teen > adult)	[36]
ABCB10	ATP-binding cassette, sub-family B (MDR/TAP), member 10	DER (teen > child)	[36]
ABHD10	abhydrolase domain containing 10	DER (teen > adult)	[36]
ACAD8	acyl-Coenzyme A dehydrogenase family, member 8	CNV	[18]
ACADSB	acyl-Coenzyme A dehydrogenase, short/branched chain	Peak Expression (15-25y)	[35]
ACAT1	acetyl-Coenzyme A acetyltransferase 1 (acetoacetyl Coenzyme A thiolase)	RNA (DG)	[34]
ACAT2	acetyl-Coenzyme A acetyltransferase 2 (acetoacetyl Coenzyme A thiolase)	Protein (ACC)	[37]
ACN9	ACN9 homolog (S. cerevisiae)	*de novo* mutation	[14]
ACO1	aconitase 1, soluble	*de novo* mutation	[14]
ACO2	aconitase 2, mitochondrial	Rare mutation	[15]
ACO2	aconitase 2, mitochondrial	Protein (DLPFC)	[37]
ACP6	acid phosphatase 6, lysophosphatidic	CNV	[18]
ACSL1	acyl-CoA synthetase long-chain family member 1	Peak Expression (15-25y)	[35]
ACSL4	acyl-CoA synthetase long-chain family member 4	*de novo* mutation	[14]
ACSL5	acyl-CoA synthetase long-chain family member 5	*de novo* mutation	[14]
ACYP2	acylphosphatase 2, muscle type	Peak Expression (15-25y)	[35]
AGXT2	alanine-glyoxylate aminotransferase 2-like 2	CNV	[18]
AIFM2	apoptosis-inducing factor, mitochondrion-associated, 2	DER (teen > adult)	[36]
AIFM2	apoptosis-inducing factor, mitochondrion-associated, 2	DER (teen > child)	[36]
AIFM3	apoptosis-inducing factor, mitochondrion-associated, 3	CNV	[18]
ALAS1	aminolevulinate, delta-, synthase 1	*de novo* mutation	[14]
ALDH1B1	aldehyde dehydrogenase 1 family, member B1	Peak Expression (15-25y)	[35]
ALDH1L1	aldehyde dehydrogenase 1 family, member L1	*de novo* mutation	[14]
ALDH1L2	aldehyde dehydrogenase 1 family, member L2	*de novo* mutation	[14]
ALDH5A1	aldehyde dehydrogenase 5 family, member A1 (succinate-semialdehyde dehydrogenase)	*de novo* mutation	[14]
ALDH7A1	aldehyde dehydrogenase 7 family, member A1	Protein (ACC)	[37]
AMACR	alpha-methylacyl-CoA racemase	CNV	[18]
ARMC1	armadillo repeat containing 1	Peak Expression (15-25y)	[35]
AS3MT	arsenic (+3 oxidation state) methyltransferase	GWAS (PGC)	[12]
ATAD3A	ATPase family, AAA domain containing 3A	Peak Expression (15-25y)	[35]
ATAD3B	ATPase family, AAA domain containing 3B	DER (teen > adult)	[36]
ATP5A1	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit 1, cardiac muscle	Rare mutation	[15]
ATP5A1	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit 1, cardiac muscle	RNA (PFC area 9)	[13]
ATP5A1	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit 1, cardiac muscle	Protein (DLPFC/ACC)	[37]
ATP5B	ATP synthase, H+ transporting, mitochondrial F1 complex, beta polypeptide	RNA (DLPFC pyramidal)	[5]
ATP5B	ATP synthase, H+ transporting, mitochondrial F1 complex, beta polypeptide	Protein (DLPFC/CC)	[37]
ATP5C1	ATP synthase, H+ transporting, mitochondrial F1 complex, gamma polypeptide 1	RNA (DLPFC pyramidal)	[5]

Gene Symbol	Description	SZ Association Type	Reference
ATP5F1	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit B1	RNA (DLPFC pyramidal)	[5]
ATP5H	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit d	Protein (DLPFC)	[37]
ATP5J	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit F2	CNV	[18]
ATP5J	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit F2	Peak Expression (15-25y)	[35]
ATP5L	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit G	RNA (DLPFC pyramidal)	[5]
ATP5O	ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit (oligomycin sensitivity)	DER (teen > adult)	[36]
ATP5S	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit s (factor B)	Peak Expression (15-25y)	[35]
ATPAF1	ATP synthase mitochondrial F1 complex assembly factor 1	Peak Expression (15-25y)	[35]
ATPAF2	ATP synthase mitochondrial F1 complex assembly factor 2	GWAS (PGC)	[12]
BCAT1	branched chain aminotransferase 1, cytosolic	*de novo* mutation	[14]
BDH1	3-hydroxybutyrate dehydrogenase, type 1	*de novo* CNV	[19]
BDH1	3-hydroxybutyrate dehydrogenase, type 1	CNV	[18]
BDH1	3-hydroxybutyrate dehydrogenase, type 1	DER (teen > adult)	[36]
C12orf62	chromosome 12 open reading frame 62	Peak Expression (15-25y)	[35]
C1orf151	chromosome 1 open reading frame 151	Peak Expression (15-25y)	[35]
C1QBP	complement component 1, q subcomponent binding protein	DER (teen > adult)	[36]
C20orf142	chromosome 20 open reading frame 142	Peak Expression (15-25y)	[35]
C20orf44	chromosome 20 open reading frame 44	Peak Expression (15-25y)	[35]
C2orf47	chromosome 2 open reading frame 47	GWAS (PGC)	[12]
C3orf1	chromosome 3 open reading frame 1	Peak Expression (15-25y)	[35]
C3orf28	chromosome 3 open reading frame 28	Peak Expression (15-25y)	[35]
C3orf60	chromosome 3 open reading frame 60	Peak Expression (15-25y)	[35]
CABC1	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Peak Expression (15-25y)	[35]
CBR4	carbonyl reductase 4	*de novo* mutation	[14]
CCDC109A	coiled-coil domain containing 109A	Peak Expression (15-25y)	[35]
CERK	ceramide kinase	*de novo* mutation	[14]
CERK	ceramide kinase	DER (teen > adult)	[36]
CHAT	choline acetyltransferase	Protein (ACC)	[37]
CHCHD7	coiled-coil-helix-coiled-coil-helix domain containing 7	Peak Expression (15-25y)	[35]
CKMT1A	creatine kinase, mitochondrial 1A	Protein (DLPFC/ACC)	[37]
CKMT1B	creatine kinase, mitochondrial 1B	Protein (ACC)	[37]
CLPX	ClpX caseinolytic peptidase X homolog (E. coli)	*de novo* mutation	[14]
CLPX	ClpX caseinolytic peptidase X homolog (E. coli)	Peak Expression (15-25y)	[35]
CLPX	ClpX caseinolytic peptidase X homolog (E. coli)	DER (teen > child)	[36]
COMT	catechol-O-methyltransferase	CNV (22q11.2)	[32]
COMT	catechol-O-methyltransferase	CNV	[18]
COMTD1	catechol-O-methyltransferase domain containing 1	Peak Expression (15-25y)	[35]

Gene Symbol	Description	SZ Association Type	Reference
COMTD1	catechol-O-methyltransferase domain containing 1	DER (teen > adult)	[36]
COQ10B	coenzyme Q10 homolog B (S. cerevisiae)	GWAS (PGC)	[12]
COQ3	coenzyme Q3 homolog, methyltransferase (S. cerevisiae)	Peak Expression (15-25y)	[35]
COQ5	coenzyme Q5 homolog, methyltransferase (S. cerevisiae)	Peak Expression (15-25y)	[35]
COX10	COX10 homolog, cytochrome c oxidase assembly protein, heme A: farnesyltransferase (yeast)	CNV	[18]
COX11	COX11 homolog, cytochrome c oxidase assembly protein (yeast)	Peak Expression (15-25y)	[35]
COX15	COX15 homolog, cytochrome c oxidase assembly protein (yeast)	Peak Expression (15-25y)	[35]
COX4I1	cytochrome c oxidase subunit IV isoform 1	*de novo* mutation	[14]
COX5B	cytochrome c oxidase subunit Vb	Peak Expression (15-25y)	[35]
COX6A2	cytochrome c oxidase subunit VIa polypeptide 2	Peak Expression (15-25y)	[35]
COX6B2	cytochrome c oxidase subunit VIb polypeptide 2 (testis)	Peak Expression (15-25y)	[35]
COX7A1	cytochrome c oxidase subunit VIIa polypeptide 1 (muscle)	RNA (DLPFC pyramidal)	[5]
COX7B	cytochrome c oxidase subunit VIIb	RNA (DLPFC pyramidal)	[5]
COX7C	cytochrome c oxidase subunit VIIc	RNA (DLPFC pyramidal)	[5]
COX8A	cytochrome c oxidase subunit 8A (ubiquitous)	RNA (DLPFC pyramidal)	[5]
CPOX	coproporphyrinogen oxidase	Peak Expression (15-25y)	[35]
CS	citrate synthase	Protein (ACC)	[37]
CYB5B	cytochrome b5 type B (outer mitochondrial membrane)	CNV	[18]
CYB5B	cytochrome b5 type B (outer mitochondrial membrane)	Peak Expression (15-25y)	[35]
CYB5R1	cytochrome b5 reductase 1	Peak Expression (15-25y)	[35]
DAP3	death associated protein 3	DER (teen > adult)	[36]
DARS2	aspartyl-tRNA synthetase 2 (mitochondrial)	DER (teen > adult)	[36]
DARS2	aspartyl-tRNA synthetase 2 (mitochondrial)	DER (teen > child)	[36]
DDAH1	dimethylarginine dimethylaminohydrolase 1	Protein (DLPFC/ACC/CC)	[37]
DDX28	DEAD (Asp-Glu-Ala-Asp) box polypeptide 28	GWAS (PGC)	[12]
DLD	dihydrolipoamide dehydrogenase	RNA (DLPFC pyramidal)	[5]
DLD	dihydrolipoamide dehydrogenase	Peak Expression (15-25y)	[35]
DNAJA3	DnaJ (Hsp40) homolog, subfamily A, member 3	Peak Expression (15-25y)	[35]
DRG2	developmentally regulated GTP binding protein 2	GWAS (PGC)	[12]
DUS2L	dihydrouridine synthase 2-like, SMM1 homolog (S. cerevisiae)	GWAS (PGC)	[12]
DUSP26	dual specificity phosphatase 26 (putative)	Peak Expression (15-25y)	[35]
DUT	dUTP pyrophosphatase	Peak Expression (15-25y)	[35]
EARS2	glutamyl-tRNA synthetase 2 (mitochondrial)(putative)	*de novo* mutation	[14]
ECHDC3	enoyl Coenzyme A hydratase domain containing 3	Peak Expression (15-25y)	[35]
ECSIT	ECSIT homolog (Drosophila)	Peak Expression (15-25y)	[35]
EFHD1	EF-hand domain family, member D1	GWAS (PGC)	[12]
ELN	elastin (supravalvular aortic stenosis, Williams-Beuren syndrome)	Peak Expression (15-25y)	[35]

Gene Symbol	Description	SZ Association Type	Reference
ETFA	electron-transfer-flavoprotein, alpha polypeptide (glutaric aciduria II)	RNA (DLPFC pyramidal)	[5]
FAHD2A	fumarylacetoacetate hydrolase domain containing 2A	Peak Expression (15-25y)	[35]
FH	fumarate hydratase	Peak Expression (15-25y)	[35]
FIS1	fission 1 (mitochondrial outer membrane) homolog (S. cerevisiae)	Peak Expression (15-25y)	[35]
FOXRED1	FAD-dependent oxidoreductase domain containing 1	*de novo* mutation	[14]
FTH1	ferritin, heavy polypeptide 1	Protein (CC)	[37]
FXC1	fracture callus 1 homolog (rat)	Peak Expression (15-25y)	[35]
GFM1	G elongation factor, mitochondrial 1	Peak Expression (15-25y)	[35]
GLDC	glycine dehydrogenase (decarboxylating)	Peak Expression (15-25y)	[35]
GLRX2	glutaredoxin 2	Peak Expression (15-25y)	[35]
GLS	glutaminase	Peak Expression (15-25y)	[35]
GLUD1	glutamate dehydrogenase 1	Rare mutation	[15]
GOT2	glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2)	CNV	[18]
GOT2	glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2)	RNA (PFC area 9)	[13]
GOT2	glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2)	Peak Expression (15-25y)	[35]
GPD1	glycerol-3-phosphate dehydrogenase 1 (soluble)	Protein (ACC)	[37]
GPD2	glycerol-3-phosphate dehydrogenase 2 (mitochondrial)	Peak Expression (15-25y)	[35]
GPX1	glutathione peroxidase 1	Protein (DLPFC)	[37]
GRSF1	G-rich RNA sequence binding factor 1	Peak Expression (15-25y)	[35]
GSTK1	glutathione S-transferase kappa 1	Peak Expression (15-25y)	[35]
GTPBP3	GTP binding protein 3 (mitochondrial)	*de novo* mutation	[14]
GTPBP5	GTP binding protein 5 (putative)	*de novo* mutation	[14]
HADH	hydroxyacyl-Coenzyme A dehydrogenase	DER (teen > adult)	[36]
HADH	hydroxyacyl-Coenzyme A dehydrogenase	DER (teen > child)	[36]
HAGH	hydroxyacylglutathione hydrolase	Protein (ACC)	[37]
HBXIP	hepatitis B virus x interacting protein	Peak Expression (15-25y)	[35]
HIBADH	3-hydroxyisobutyrate dehydrogenase	Protein (DLPFC)	[37]
HIBADH	3-hydroxyisobutyrate dehydrogenase	Peak Expression (15-25y)	[35]
HIGD1A	HIG1 domain family, member 1A	Peak Expression (15-25y)	[35]
HK1	hexokinase 1	Protein (DLPFC)	[37]
HSD17B4	hydroxysteroid (17-beta) dehydrogenase 4	CNV	[18]
HSDL1	hydroxysteroid dehydrogenase like 1	CNV	[18]
HSDL1	hydroxysteroid dehydrogenase like 1	DER (teen > adult)	[36]
HSPA9	heat shock 70kDa protein 9 (mortalin)	GWAS (PGC)	[12]
HSPD1	heat shock 60kDa protein 1 (chaperonin)	GWAS (PGC)	[12]
HSPD1	heat shock 60kDa protein 1 (chaperonin)	Protein (DLPFC)	[37]
HSPE1	heat shock 10kDa protein 1 (chaperonin 10)	GWAS (PGC)	[12]

Gene Symbol	Description	SZ Association Type	Reference
IDH1	isocitrate dehydrogenase 1 (NADP+), soluble	Peak Expression (15-25y)	[35]
IDH3A	isocitrate dehydrogenase 3 (NAD+) alpha	RNA (DLPFC pyramidal)	[5]
IDH3A	isocitrate dehydrogenase 3 (NAD+) alpha	RNA (DG)	[34]
IDH3A	isocitrate dehydrogenase 3 (NAD+) alpha	Protein (ACC)	[37]
IDH3B	isocitrate dehydrogenase 3 (NAD+) beta	RNA (DLPFC pyramidal)	[5]
IDH3B	isocitrate dehydrogenase 3 (NAD+) beta	Peak Expression (15-25y)	[35]
IMMP2L	IMP2 inner mitochondrial membrane peptidase-like (S. cerevisiae)	GWAS (PGC)	[12]
IMMT	inner membrane protein, mitochondrial (mitofilin)	Protein (ACC)	[37]
IMMT	inner membrane protein, mitochondrial (mitofilin)	DER (teen > child)	[36]
IREB2	iron-responsive element binding protein 2	GWAS (PGC)	[12]
IVD	isovaleryl Coenzyme A dehydrogenase	Peak Expression (15-25y)	[35]
KYNU	kynureninase (L-kynurenine hydrolase)	Rare mutation	[15]
KYNU	kynureninase (L-kynurenine hydrolase)	Peak Expression (15-25y)	[35]
LACTB2	lactamase, beta 2	Peak Expression (15-25y)	[35]
LAP3	leucine aminopeptidase 3	Protein (DLPFC)	[37]
LDHA	lactate dehydrogenase A	RNA (DG)	[34]
LDHB	lactate dehydrogenase B	Protein (ACC/CC)	[37]
LIAS	lipoic acid synthetase	Peak Expression (15-25y)	[35]
LIPT1	lipoyltransferase 1	Peak Expression (15-25y)	[35]
LOC339229	hypothetical protein LOC339229	Peak Expression (15-25y)	[35]
LONP1	lon peptidase 1, mitochondrial	*de novo* mutation	[14]
LYRM2	LYR motif containing 2	CNV	[18]
LYRM7	Lyrm7 homolog (mouse)	DER (teen > adult)	[36]
MARS2	methionine-tRNA synthetase 2 (mitochondrial)	GWAS (PGC)	[12]
MCART1	mitochondrial carrier triple repeat 1	Peak Expression (15-25y)	[35]
MCEE	methylmalonyl CoA epimerase	Peak Expression (15-25y)	[35]
MDH1	malate dehydrogenase 1, NAD (soluble)	RNA (PFC area 9)	[13]
MDH1	malate dehydrogenase 1, NAD (soluble)	Protein (DLPFC)	[37]
MDH1	malate dehydrogenase 1, NAD (soluble)	DER (teen > child)	[36]
MDH2	malate dehydrogenase 2, NAD (mitochondrial)	*de novo* CNV	[19]
MDH2	malate dehydrogenase 2, NAD (mitochondrial)	CNV	[18]
MDH2	malate dehydrogenase 2, NAD (mitochondrial)	RNA (DLPFC pyramidal)	[5]
MDH2	malate dehydrogenase 2, NAD (mitochondrial)	RNA (DG)	[34]
ME1	malic enzyme 1, NADP(+)-dependent, cytosolic	Peak Expression (15-25y)	[35]
ME2	malic enzyme 2, NAD(+)-dependent, mitochondrial	DER (teen > adult)	[36]
MFN2	mitofusin 2	Peak Expression (15-25y)	[35]
MIPEP	mitochondrial intermediate peptidase	CNV	[18]

Gene Symbol	Description	SZ Association Type	Reference
MLYCD	malonyl-CoA decarboxylase	CNV	[18]
MPST	mercaptopyruvate sulfurtransferase	DER (teen > adult)	[36]
MPST	mercaptopyruvate sulfurtransferase	DER (teen > child)	[36]
MRM1	mitochondrial rRNA methyltransferase 1 homolog (S. cerevisiae)	Peak Expression (15-25y)	[35]
MRPL22	mitochondrial ribosomal protein L22	Peak Expression (15-25y)	[35]
MRPL27	mitochondrial ribosomal protein L27	*de novo* mutation	[14]
MRPL30	mitochondrial ribosomal protein L30	Peak Expression (15-25y)	[35]
MRPL33	mitochondrial ribosomal protein L33	Peak Expression (15-25y)	[35]
MRPL37	mitochondrial ribosomal protein L37	DER (teen > adult)	[36]
MRPL39	mitochondrial ribosomal protein L39	CNV	[18]
MRPL40	mitochondrial ribosomal protein L40	CNV (22q11.2)	[32]
MRPL40	mitochondrial ribosomal protein L40	CNV	[18]
MRPL42	mitochondrial ribosomal protein L42	DER (teen > adult)	[36]
MRPL46	mitochondrial ribosomal protein L46	Peak Expression (15-25y)	[35]
MRPL48	mitochondrial ribosomal protein L48	Peak Expression (15-25y)	[35]
MRPL51	mitochondrial ribosomal protein L51	Peak Expression (15-25y)	[35]
MRPS18C	mitochondrial ribosomal protein S18C	Peak Expression (15-25y)	[35]
MRPS30	mitochondrial ribosomal protein S30	DER (teen > adult)	[36]
MRPS30	mitochondrial ribosomal protein S30	DER (teen > child)	[36]
MRPS9	mitochondrial ribosomal protein S9	Peak Expression (15-25y)	[35]
MRPS9	mitochondrial ribosomal protein S9	DER (teen > adult)	[36]
MRS2L	MRS2-like, magnesium homeostasis factor (S. cerevisiae)	Peak Expression (15-25y)	[35]
MSRA	methionine sulfoxide reductase A	CNV	[18]
MTG1	mitochondrial GTPase 1 homolog (S. cerevisiae)	DER (teen > adult)	[36]
MTHFS	5,10-methenyltetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase)	Peak Expression (15-25y)	[35]
MTIF2	mitochondrial translational initiation factor 2	Peak Expression (15-25y)	[35]
MTIF3	mitochondrial translational initiation factor 3	Peak Expression (15-25y)	[35]
MTO1	mitochondrial translation optimization 1 homolog (S. cerevisiae)	Peak Expression (15-25y)	[35]
MTRF1	mitochondrial translational release factor 1	CNV	[18]
MULK	multiple substrate lipid kinase	Peak Expression (15-25y)	[35]
NAGS	N-acetylglutamate synthase	Protein (ACC)	[37]
NDUFA10	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10, 42kDa	Peak Expression (15-25y)	[35]
NDUFA11	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 11, 14.7kDa	RNA (DLPFC pyramidal)	[5]
NDUFA12L	NDUFA12-like	Peak Expression (15-25y)	[35]
NDUFA13	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 13	GWAS (PGC)	[12]
NDUFA13	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 13	Peak Expression (15-25y)	[35]
NDUFA2	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2, 8kDa	GWAS (PGC)	[12]

Gene Symbol	Description	SZ Association Type	Reference
NDUFA2	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2, 8kDa	RNA (DLPFC pyramidal)	[5]
NDUFA2	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2, 8kDa	Protein (DLPFC)	[37]
NDUFA5	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5, 13kDa	Protein (ACC)	[37]
NDUFA6	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 6, 14kDa	GWAS (PGC)	[12]
NDUFA6	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 6, 14kDa	RNA (DLPFC pyramidal)	[5]
NDUFA7	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 7, 14.5kDa	DER (teen > adult)	[36]
NDUFA7	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 7, 14.5kDa	DER (teen > child)	[36]
NDUFA8	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 8, 19kDa	RNA (DLPFC pyramidal)	[5]
NDUFB10	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 10, 22kDa	Peak Expression (15-25y)	[35]
NDUFB2	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2, 8kDa	RNA (DG)	[34]
NDUFB3	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3, 12kDa	RNA (DLPFC pyramidal)	[5]
NDUFB5	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 16kDa	RNA (DG)	[34]
NDUFB5	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 16kDa	DER (teen > child)	[36]
NDUFB6	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6, 17kDa	RNA (DLPFC pyramidal)	[5]
NDUFB7	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 7, 18kDa	RNA (DLPFC pyramidal)	[5]
NDUFB9	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9, 22kDa	RNA (DLPFC pyramidal)	[5]
NDUFB9	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9, 22kDa	Peak Expression (15-25y)	[35]
NDUFC1	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 1, 6kDa	RNA (DLPFC pyramidal)	[5]
NDUFS1	NADH dehydrogenase (ubiquinone) Fe-S protein 1, 75kDa (NADH-coenzyme Q reductase)	GWAS (early onset)	[33]
NDUFS1	NADH dehydrogenase (ubiquinone) Fe-S protein 1, 75kDa (NADH-coenzyme Q reductase)	Protein (DLPFC)	[37]
NDUFS2	NADH dehydrogenase (ubiquinone) Fe-S protein 2, 49kDa (NADH-coenzyme Q reductase)	GWAS (early onset)	[33]
NDUFS2	NADH dehydrogenase (ubiquinone) Fe-S protein 2, 49kDa (NADH-coenzyme Q reductase)	RNA (DLPFC pyramidal)	[5]
NDUFS2	NADH dehydrogenase (ubiquinone) Fe-S protein 2, 49kDa (NADH-coenzyme Q reductase)	Peak Expression (15-25y)	[35]
NDUFS2	NADH dehydrogenase (ubiquinone) Fe-S protein 2, 49kDa (NADH-coenzyme Q reductase)	DER (teen > adult)	[36]
NDUFS3	NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH-coenzyme Q reductase)	Protein (DLPFC)	[37]
NDUFS4	NADH dehydrogenase (ubiquinone) Fe-S protein 4, 18kDa (NADH-coenzyme Q reductase)	RNA (DLPFC pyramidal)	[5]
NDUFS4	NADH dehydrogenase (ubiquinone) Fe-S protein 4, 18kDa (NADH-coenzyme Q reductase)	RNA (DG)	[34]
NDUFS7	NADH dehydrogenase (ubiquinone) Fe-S protein 7, 20kDa (NADH-coenzyme Q reductase)	Peak Expression (15-25y)	[35]
NDUFV1	NADH dehydrogenase (ubiquinone) flavoprotein 1, 51kDa	RNA (DLPFC pyramidal)	[5]
NDUFV1	NADH dehydrogenase (ubiquinone) flavoprotein 1, 51kDa	Peak Expression (15-25y)	[35]
NDUFV2	NADH dehydrogenase (ubiquinone) flavoprotein 2, 24kDa	RNA (DLPFC pyramidal)	[5]
NDUFV2	NADH dehydrogenase (ubiquinone) flavoprotein 2, 24kDa	Protein (DLPFC)	[37]
NEU4	sialidase 4	Peak Expression (15-25y)	[35]
NFS1	NFS1 nitrogen fixation 1 homolog (S. cerevisiae)	Peak Expression (15-25y)	[35]
NIPSNAP3B	nipsnap homolog 3B (C. elegans)	Peak Expression (15-25y)	[35]
NME6	non-metastatic cells 6, protein expressed in (nucleoside-diphosphate kinase)	DER (teen > adult)	[36]
NT5C3	5'-nucleotidase, cytosolic III	CNV	[18]

Gene Symbol	Description	SZ Association Type	Reference
NUDT2	nudix (nucleoside diphosphate linked moiety X)-type motif 2	Peak Expression (15-25y)	[35]
OAT	ornithine aminotransferase (gyrate atrophy)	RNA (PFC area 9)	[13]
OXCT1	3-oxoacid CoA transferase 1	RNA (PFC area 9)	[13]
OXNAD1	oxidoreductase NAD-binding domain containing 1	Peak Expression (15-25y)	[35]
OXR1	oxidation resistance 1	Peak Expression (15-25y)	[35]
OXR1	oxidation resistance 1	DER (teen > child)	[36]
PAK7	p21(CDKN1A)-activated kinase 7	Peak Expression (15-25y)	[35]
PARK7	Parkinson disease (autosomal recessive, early onset) 7	Protein (ACC/CC)	[37]
PC	pyruvate carboxylase	Peak Expression (15-25y)	[35]
PCCB	propionyl Coenzyme A carboxylase, beta polypeptide	GWAS (PGC)	[12]
PDHA1	pyruvate dehydrogenase (lipoamide) alpha 1	Protein (DLPFC)	[37]
PDHB	pyruvate dehydrogenase (lipoamide) beta	RNA (DLPFC pyramidal)	[5]
PDHB	pyruvate dehydrogenase (lipoamide) beta	RNA (DG)	[34]
PDK2	pyruvate dehydrogenase kinase, isozyme 2	Peak Expression (15-25y)	[35]
PDK3	pyruvate dehydrogenase kinase, isozyme 3	DER (teen > adult)	[36]
PDK3	pyruvate dehydrogenase kinase, isozyme 3	DER (teen > child)	[36]
PEX11B	peroxisomal biogenesis factor 11B	Peak Expression (15-25y)	[35]
PHB	prohibitin	Protein (ACC)	[37]
PITRM1	pitrilysin metallopeptidase 1	DER (teen > adult)	[36]
PITRM1	pitrilysin metallopeptidase 1	DER (teen > child)	[36]
PMPCB	peptidase (mitochondrial processing) beta	Peak Expression (15-25y)	[35]
PNKD	paroxysmal nonkinesiogenic dyskinesia	Peak Expression (15-25y)	[35]
PNKD	paroxysmal nonkinesiogenic dyskinesia	DER (teen > child)	[36]
POLRMT	polymerase (RNA) mitochondrial (DNA directed)	Peak Expression (15-25y)	[35]
PPA2	pyrophosphatase (inorganic) 2	RNA (DLPFC pyramidal)	[5]
PPA2	pyrophosphatase (inorganic) 2	Protein (DLPFC)	[37]
PPIF	peptidylprolyl isomerase F (cyclophilin F)	Peak Expression (15-25y)	[35]
PPM1K	protein phosphatase 1K (PP2C domain containing)	DER (teen > adult)	[36]
PPOX	protoporphyrinogen oxidase	DER (teen > child)	[36]
PRDX1	peroxiredoxin 1	Rare mutation	[15]
PRDX1	peroxiredoxin 1	Protein (DLPFC)	[37]
PRDX2	peroxiredoxin 2	Rare mutation	[15]
PRDX2	peroxiredoxin 2	Protein (DLPFC/CC)	[37]
PRODH	proline dehydrogenase (oxidase) 1	CNV (22q11.2)	[32]
PRODH	proline dehydrogenase (oxidase) 1	CNV	[18]
PTCD3	Pentatricopeptide repeat domain 3	Peak Expression (15-25y)	[35]
PTRH2	peptidyl-tRNA hydrolase 2	DER (teen > adult)	[36]

Gene Symbol	Description	SZ Association Type	Reference
PXMP2	peroxisomal membrane protein 2, 22kDa	CNV	[18]
PYCR1	pyrroline-5-carboxylate reductase 1	Peak Expression (15-25y)	[35]
QDPR	quinoid dihydropteridine reductase	Protein (DLPFC)	[37]
QDPR	quinoid dihydropteridine reductase	Peak Expression (15-25y)	[35]
QDPR	quinoid dihydropteridine reductase	DER (teen > child)	[36]
RAB8B	RAB8B, member RAS oncogene family	DER (teen > adult)	[36]
RAB8B	RAB8B, member RAS oncogene family	DER (teen > child)	[36]
RG9MTD1	RNA (guanine-9-) methyltransferase domain containing 1	CNV	[18]
RNMTL1	RNA methyltransferase like 1	CNV	[18]
RNMTL1	RNA methyltransferase like 1	DER (teen > adult)	[36]
RPL34	ribosomal protein L34	DER (teen > adult)	[36]
SARS	seryl-tRNA synthetase	Peak Expression (15-25y)	[35]
SCCPDH	saccharopine dehydrogenase (putative)	Peak Expression (15-25y)	[35]
SCO1	SCO cytochrome oxidase deficient homolog 1 (yeast)	RNA (DG)	[34]
SCP2	sterol carrier protein 2	Peak Expression (15-25y)	[35]
SDHA	succinate dehydrogenase complex, subunit A, flavoprotein (Fp)	RNA (DG)	[34]
SDHA	succinate dehydrogenase complex, subunit A, flavoprotein (Fp)	Protein (ACC)	[37]
SDHB	succinate dehydrogenase complex, subunit B, iron sulfur (Ip)	RNA (DLPFC pyramidal)	[5]
SFXN2	sideroflexin 2	GWAS (PGC)	[12]
SFXN2	sideroflexin 2	DER (teen > child)	[36]
SFXN4	sideroflexin 4	Peak Expression (15-25y)	[35]
SHMT1	serine hydroxymethyltransferase 1 (soluble)	Peak Expression (15-25y)	[35]
SHMT1	serine hydroxymethyltransferase 1 (soluble)	DER (teen > adult)	[36]
SHMT2	serine hydroxymethyltransferase 2 (mitochondrial)	GWAS (PGC)	[12]
SLC25A1	solute carrier family 25 (mitochondrial carrier; citrate transporter), member 1	CNV (22q11.2)	[32]
SLC25A1	solute carrier family 25 (mitochondrial carrier; citrate transporter), member 1	CNV	[18]
SLC25A12	solute carrier family 25 (mitochondrial carrier, Aralar), member 12	*de novo* mutation	[14]
SLC25A16	solute carrier family 25 (mitochondrial carrier; Graves disease autoantigen), member 16	DER (teen > adult)	[36]
SLC25A19	solute carrier family 25 (mitochondrial deoxynucleotide carrier), member 19	Peak Expression (15-25y)	[35]
SLC25A23	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 23	*de novo* mutation	[14]
SLC25A27	solute carrier family 25, member 27	Peak Expression (15-25y)	[35]
SLC25A29	solute carrier family 25, member 29	DER (teen > adult)	[36]
SLC25A3	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3	Rare mutation	[15]
SLC25A3	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3	Peak Expression (15-25y)	[35]
SLC25A32	solute carrier family 25, member 32	Peak Expression (15-25y)	[35]
SLC25A34	solute carrier family 25, member 34	Peak Expression (15-25y)	[35]
SLC25A4	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4	RNA (DLPFC pyramidal)	[5]

Gene Symbol	Description	SZ Association Type	Reference
SLC25A4	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4	RNA (DG)	[34]
SND1	staphylococcal nuclease domain containing 1	*de novo* mutation	[14]
SOD1	superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult))	Peak Expression (15-25y)	[35]
SPG7	spastic paraplegia 7, paraplegin (pure and complicated autosomal recessive)	Peak Expression (15-25y)	[35]
SPTLC2	serine palmitoyltransferase, long chain base subunit 2	Peak Expression (15-25y)	[35]
STAR	steroidogenic acute regulator	DER (teen > child)	[36]
SUCLA2	succinate-CoA ligase, ADP-forming, beta subunit	Rare mutation	[15]
TATDN3	TatD DNase domain containing 3	Peak Expression (15-25y)	[35]
TDRKH	tudor and KH domain containing	*de novo* mutation	[14]
TDRKH	tudor and KH domain containing	DER (teen > child)	[36]
THEM5	thioesterase superfamily member 5	DER (teen > child)	[36]
TIMM17A	translocase of inner mitochondrial membrane 17 homolog A (yeast)	RNA (DG)	[34]
TIMM17A	translocase of inner mitochondrial membrane 17 homolog A (yeast)	RNA (PFC area 9)	[13]
TIMM22	translocase of inner mitochondrial membrane 22 homolog (yeast)	Peak Expression (15-25y)	[35]
TIMM8A	translocase of inner mitochondrial membrane 8 homolog A (yeast)	Peak Expression (15-25y)	[35]
TIMM8B	translocase of inner mitochondrial membrane 8 homolog B (yeast)	Peak Expression (15-25y)	[35]
TMEM11	transmembrane protein 11	DER (teen > adult)	[36]
TMEM11	transmembrane protein 11	DER (teen > child)	[36]
TMEM14C	transmembrane protein 14C	Peak Expression (15-25y)	[35]
TMEM70	transmembrane protein 70	Peak Expression (15-25y)	[35]
TMTC1	transmembrane and tetratricopeptide repeat containing 1	GWAS (PGC)	[12]
TOMM20	translocase of outer mitochondrial membrane 20 homolog (yeast)	Peak Expression (15-25y)	[35]
TOMM70A	translocase of outer mitochondrial membrane 70 homolog A (S. cerevisiae)	CNV	[18]
TRAP1	TNF receptor-associated protein 1	Peak Expression (15-25y)	[35]
TUFM	Tu translation elongation factor, mitochondrial	CNV	[18]
TUFM	Tu translation elongation factor, mitochondrial	Protein (DLPFC)	[37]
TXN	thioredoxin	Protein (DLPFC)	[37]
TXNRD2	thioredoxin reductase 2	CNV (22q11.2)	[32]
TXNRD2	thioredoxin reductase 2	CNV	[18]
UQCRC1	ubiquinol-cytochrome c reductase core protein I	Protein (DLPFC)	[37]
UQCRC1	ubiquinol-cytochrome c reductase core protein I	DER (teen > child)	[36]
UQCRC2	ubiquinol-cytochrome c reductase core protein II	CNV	[18]
UQCRFS1	ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1	RNA (DLPFC pyramidal)	[5]
UQCRFS1	ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1	RNA (DG)	[34]
UQCRQ	ubiquinol-cytochrome c reductase, complex III subunit VII, 9.5kDa	RNA (DLPFC pyramidal)	[5]
USMG5	upregulated during skeletal muscle growth 5 homolog (mouse)	GWAS (PGC)	[12]
USMG5	upregulated during skeletal muscle growth 5 homolog (mouse)	DER (teen > adult)	[36]

Gene Symbol	Description	SZ Association Type	Reference
VAMP1	vesicle-associated membrane protein 1 (synaptobrevin 1)	Peak Expression (15-25y)	[35]
VAMP1	vesicle-associated membrane protein 1 (synaptobrevin 1)	DER (teen > child)	[36]
VDAC1	voltage-dependent anion channel 1	*de novo* mutation	[14]
VDAC1	voltage-dependent anion channel 1	Protein (DLPFC)	[37]
VDAC2	voltage-dependent anion channel 2	Protein (DLPFC)	[37]

Key: CNV (copy number variant), DLPFC (dorsolateral prefrontal cortex), DG (dentate gyrus), GWAS (genome-wide association study), DER (differentially expressed regions), PFC (prefrontal cortex), ACC (anterior cingulate cortex), PGC (psychiatric genomics consortium), CC (corpus callosum).

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