

Supplementary file 1

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OGDHL
SDHAF2
SDHB
ABCC6
AK1
AK2
AK4
AK5
AK9
ANTKMT
APP
ARL2
ATP1A2
ATP1B1
ATP5F1A
ATP5F1B
ATP5F1C
ATP5F1D
ATP5F1E
ATP5F1EP2
ATP5IF1
ATP5MC1
ATP5MC2
ATP5MC3

ATP5ME
ATP5MF
ATP5MG
ATP5MGL
ATP5MJ
ATP5MK
ATP5PB
ATP5PD
ATP5PF
ATP5PO
ATP6V0C
ATP6V1A
ATP6V1B1
ATP6V1B2
ATPSCKMT
BEND3
CBFA2T3
CLPX
CTNS
DGUOK
DMAC2L
DNAJC30
EIF6
ENO4
ENPP3
FIGNL1
FLCN
FOXK1
FOXK2
GALK1
GIT1
H19
HDAC4
HSPA1A
HSPA1B
HSPA8
HTR2A
IFNG
IL4
JMJD8
MIR675
MLST8
MT-ATP6
MT-ATP8

MT-CO2
MT-ND1
MT-ND2
MT-ND3
MT-ND4
MT-ND4L
MT-ND5
MT-ND6
MTCO2P12
MYH3
MYH4
MYH6
MYH7
MYH8
NDUFA1
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NDUFA11
NDUFA12
NDUFA13
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NDUFV3
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NT5E
NUDT2
NUDT5
NUPR1
OGT
OLA1
P2RX7
PARG
PARP1
PINK1
PRXL2C
PSEN1
RPTOR
SIRT6
SLC25A25
SLC2A6
SLC4A1
SLC4A4
STOML2
TAFAZZIN
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TMSB4X
TREM2
TREX1
UQCC3
VCP
VPS9D1
ZBTB7A
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AASS
ACAD8
ACMSD
ADI1
ADO
AFMID
AGMAT
AGXT
AGXT2

AHCY
AIMP1
AIMP2
ALDH18A1
ALDH4A1
ALDH6A1
AMD1
AMDHD1
AMT
APIP
ARG1
ARG2
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ASPA
ASPG
ASRGL1
ASS1
AZIN1
AZIN2
BBOX1
BCAT1
BCAT2
BCKDHA
BCKDK
BHMT
BHMT2
CARNMT1
CARNS1
CBS
CDO1
CHDH
CKB
CKM
CKMT1A
CKMT1B
CKMT2
CPS1
CRYM
CSAD
CTH
DAO
DARS1
DBH

DBT
DCT
DDC
DDO
DIO1
DIO2
DIO3
DMGDH
DUOX1
DUOX2
EEF1E1
EEFSEC
ENOPH1
EPRS1
ETHE1
FAH
FAU
FOLH1
FTCD
GADL1
GAMT
GATM
GCAT
GCSH
GLDC
GNMT
GPT
GPT2
GSR
HAAO
HAL
HAO1
HDC
HGD
HIBADH
HNMT
HOGA1
HPD
HYKK
IARS1
IDO1
IDO2
IVD
IYD

KARS1
KMO
KYAT3
KYN
LARS1
LIAS
LIPT1
LIPT2
MARS1
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MCCC1
MCCC2
MPST
MRI1
MTAP
MTR
MTRR
NAALAD2
NAGS
NAT8L
NMRAL1
NNMT
NQO1
OAZ1
OAZ2
OAZ3
OCA2
OTC
PAH
PAOX
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PAPSS2
PDHX
PHGDH
PHYKPL
PIPOX
PNMT
PPM1K
PRODH
PRODH2
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PSMA3

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PSPH
PSTK
PXMP2
QARS1

QDPR
RARS1
RIDA
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RPS7
RPS8
RPS9

RPSA
SARDH
SARS1
SAT1
SCLY
SDS
SDSL
SECISBP2
SEM1
SEPSECS
SERINC2
SERINC3
SERINC4
SERINC5
SHMT1
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SLC36A4
SLC45A2
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SLC6A8
SLC7A5
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SQOR
SRM
SRR
SUOX
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TPH1
TPH2
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TSHB
TST
TSTD1
TXN2
TYR
TYRP1
UBA52

UROC1