

Supplementary Table 4: Glutamate receptor and mitochondrial associated genes altered in response to acute or chronic doses of THC

Mitochondrial genes	Acute THC dose	Chronic THC doses
MT-ATP6	✓	
UQCRBP1	✓	
SDHA	✓	
DDIT4	✓	
DDX28		✓
DNAJA3		✓
HAX1		✓
KIAA1683		✓
TRIAP1		✓
RARS		✓
CS		✓
CYB5R3		✓
CYC1		✓
DIABLO		✓
GBF1		✓
HADH		✓
MRPL28		✓
MRPS18B		✓
PTRF		✓
SDHB		✓
UQCRC2		✓
YRDC		✓
MARS2		✓
MAVS		✓
SLC25A4		✓
MRPL17		✓
MT-ND4	✓	✓
MT-CO1	✓	✓
MT-CO2	✓	✓
MT-CO3	✓	✓
MT-ND4L	✓	✓
ADPRHL2	✓	✓
GRPEL1	✓	✓
ALDH18A1	✓	✓
COQ10B	✓	✓
COX7A2	✓	✓
DMPK	✓	✓
HAGH	✓	✓
MTHFD2	✓	✓
MGST1	✓	✓
MTFP1	✓	✓

MRPL14	✓	✓
MRPL49	✓	✓
MRPL54	✓	✓
MRPS7	✓	✓
PMAIP1	✓	✓
PDK2	✓	✓
RGS2	✓	✓
RPS3	✓	✓
SGK1	✓	✓
SLC25A32	✓	✓
TFB2M	✓	✓
Glutamate receptor genes		
GRID2	✓	✓
GRIK1	✓	✓