Supplementary tables for transcriptome analysis of cardiac tissue and skeletal muscle from Taz-KD mice: Usually if accepted some editor/reviewers would ask the authors to upload the raw sequencing data to GEO (https://www.ncbi.nlm.nih.gov/geo/) for review.

Suppl. Table 1. Oligonucleotides

Target genes in mus musculus	**Primer sequence 5´→ 3´**
ACADVL for	TATCTCTGCCCAGCGACTTT
ACADVL rev	TGGGTATGGGAACACCTGAT
ASNS for	TACAACCACAAGGCGCTACA
ASNS rev	AAGGGCCTGACTCCATAGGT
ATF4 for	GCCGGTTTAAGTTGTGTGCT
ATF4 rev	CTGGATTCGAGGAATGTGCT
CACT for	GGATGAACTTAGCTACCCA
CACT rev	ACTGGCAGGAACATCTC

CHOP for	TATCTCATCCCCAGGAAACG
CHOP rev	GGGCACTGACCACTCTGTTT
CPT1b for	GTCGCTTCTTCAAGGTCTGG
CPT1b rev	AAGAAAGCAGCACGTTCGAT
CPT2 for	ACCTGCTCGCTCAGGATAAA
CPT2 rev	TGTCTTCAGAAACCGCACTG
GADD45 for	GCTCAACGTAGACCCCGATA
GADD45 rev	GTTCGTCACCAGCACACAGT
GAPDH for	CATCACTGCCACCCAGAAGACTG
GAPDH rev	ATGCCAGTGAGCTTCCCGTTCAG
GPT2 for	GTGGCAGCCTTTATCACCAG
GPT2 rev	AGCCCAGCAGTTCTCTTCA
mS12 for	GAAGCTGCCAAGGCCTTAGA
mS12 rev	AACTGCAACCAACCACCTTC

MTHFD2 for	CAGAGGAGCTGGAAGTGTTCAA
MTHFD2 rev	TGGCTCAGAGTGCTGCTAGTTG
PGC1a for	TGATGTGAATGACTTGGATACAGACA
PGC1a rev	GCTCATTGTTGTACTGGTTGGATA
PPARa for	CCACGAAGCCTACCTGAAGA
PPARa rev	GGACCTCTGCCTCTTTGTCT
PSAT1 for	CAGGTCAGTGGGAGGCATTC
PSAT1 rev	GGCCGCCAGCTTCTCAA
PYCR1 for	GCTGGCCCAAGACATCGT
PYCR1 rev	CAGTGCCTAGGGAATCATTGC
SLC7A11 for	GTCTGCCTGTGGAGTACTGT
SLC7A11 rev	ATTACGAGCAGTTCCACCCA
TAZ for	GAAGTTGATGCGTTGGACCC
TAZ rev	ACCATCTCCTCGACACACAG

TMLHE for	TACAGCACACCGAACCCTAA
TMLHE rev	CATGAAGACCCAGGAGACGA
Target genes in homo sapiens	**Primer sequence 5´→ 3´**
ACADVL for	CCTTTGCAACACCCAGTA
ACADVL rev	CCACAGTCTCCCCAGAT
ASNS for	GTTGCTGCCACTCTGTTGAA
ASNS rev	AGAGCCTGAATGCCTTCCTC
CACT for	TACAGATTCAGGCTTCTTCAG
CACT rev	CTCACTGACCCTCTTTCC
CPT1b for	TCAGCGGTACCTAGAGTC
CPT1b rev	TAGTTGCTGTTCACCATGAG
CPT2 for	CTGTAGCACTGCCGCATTCA
CPT2 rev	AGAGCAAACAAGTGTCGGTCAA
L28 for	GCAATTCCTTCCGCTACAAC

L28 rev	TGTTCTTGCGGATCATGTGT
MTHFD2 for	GAGGTGATGCCACTGTT
MTHFD2 rev	ACTCCTTCAAAATCCACATC
PYCR1 for	AAGCCACACATCATCCCCTT
PYCR1 rev	ACGACTGGAGTGTTGGTCAT

Suppl. Table 2. List of antibodies

Primary antibodies		
Name	**Producer**	**Identifier**
ACADVL	Proteintech	14527-1-AP
Aldh18a1	Sigma	HPA012604
CACT	Proteintech	19363-1-AP
CoxIV-I	Non-commercial	
Cox5a	Non-commercial	
CPT1b	Abcam	ab134988

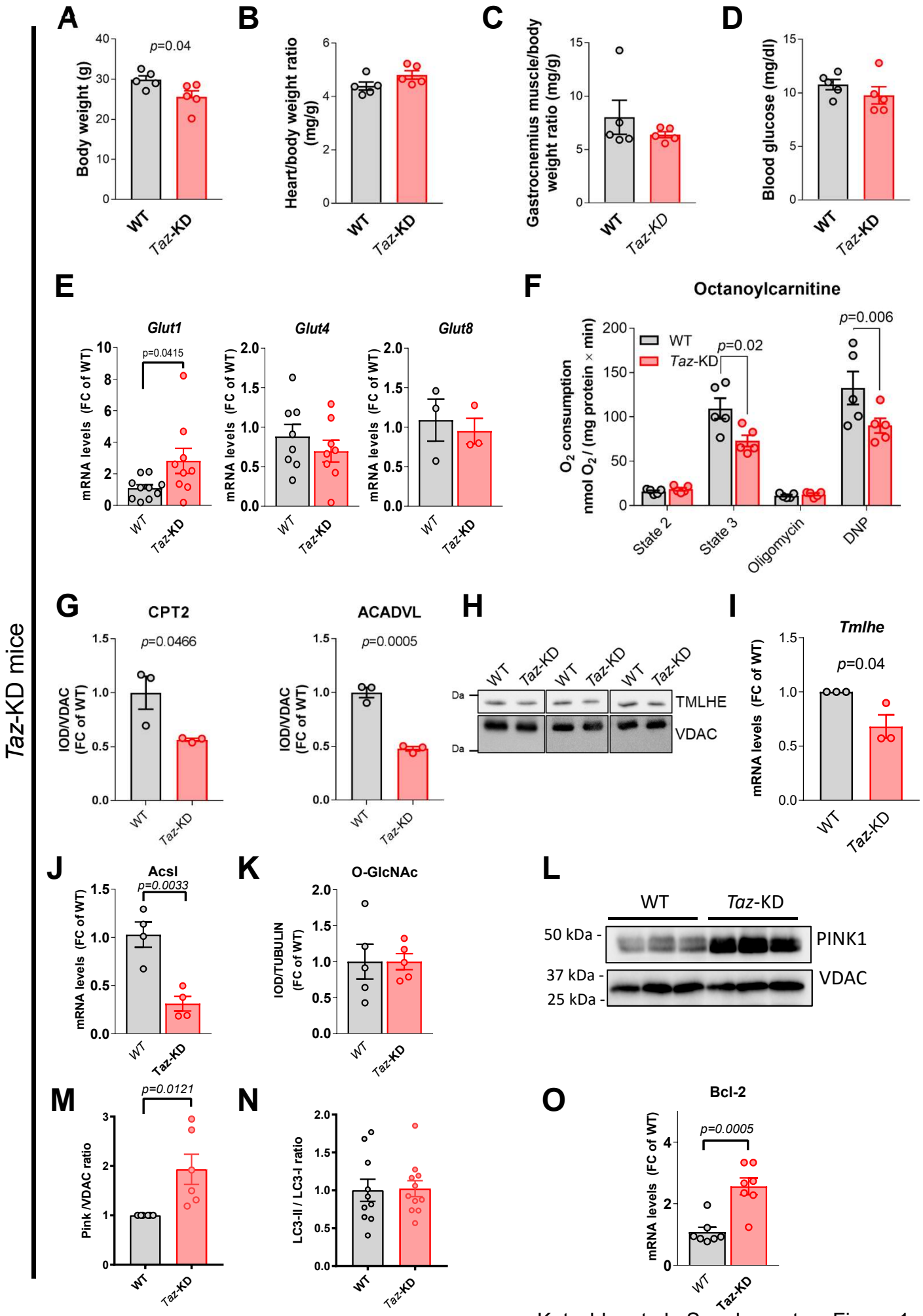
CPT2	Thermo Fisher	PA5-12217
eIF2a	Cell Signaling	#9722
GAC	Proteintech	19958-1-AP
GAPDH	Sigma-Aldrich	MAB374
GPT2	Proteintech	167577-1-AP
MTHFD2	Proteintech	12270-1-AP
P5CS (Aldh18a1)	Sigma	HPA012604
P-eIF2a	Cell Signaling	#9721
Perk	Cell Signaling	#3192
P-Perk	Cell Signalling	#3179
PSAT1	Proteintech	1051-1-AP
Slc7a11	Thermo Fisher	PA1-16893
Tim23	non commercial	
TMLHE	Proteintech	16621-1-AP

TUBULIN	Abcam	ab6046
VDAC	non commercial	
Secondary antibodies		
Name	**Producer**	**Identifier**
anti-mouse	Jackson ImmunoReasearch	115-035-146
anti-rabbit	Jackson ImmunoReasearch	111-035-144

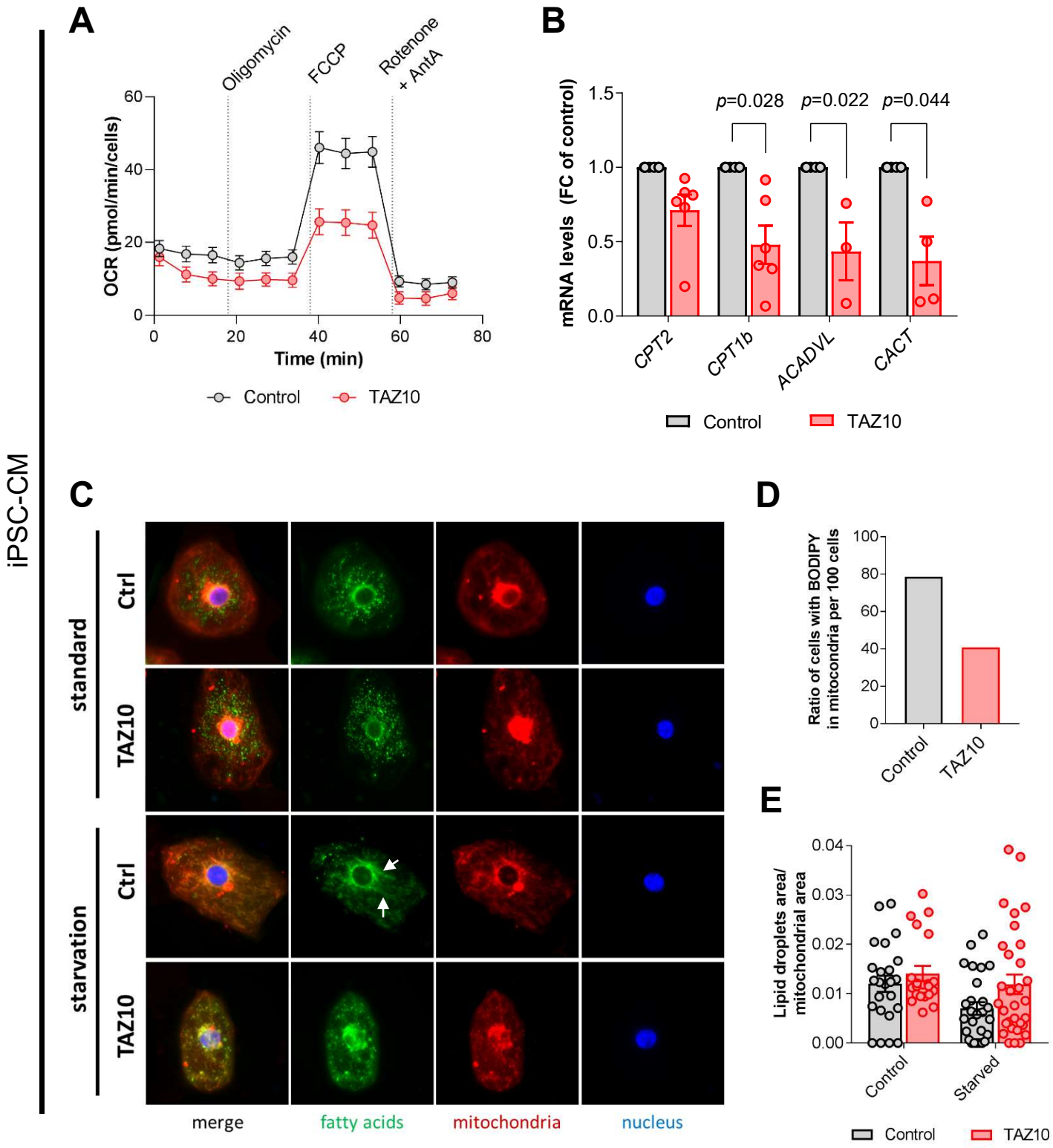
Suppl. Table 3. List of siRNAs

target gene	**siRNA sequences**
ATF4	CCAUCUCCCAGAAAGUUUA dTdT
GADD45	GGAUCCUGCCUUAAGUCAA dTdT GAUCCAUUUCACCCUCAUC dTdT GACGAACCCACAUUCAUCA dTdT
GPT2	CAGCUUGGGAUCUUACAGU dTdT GACAUGUUCUACUGCAUGA dTdT

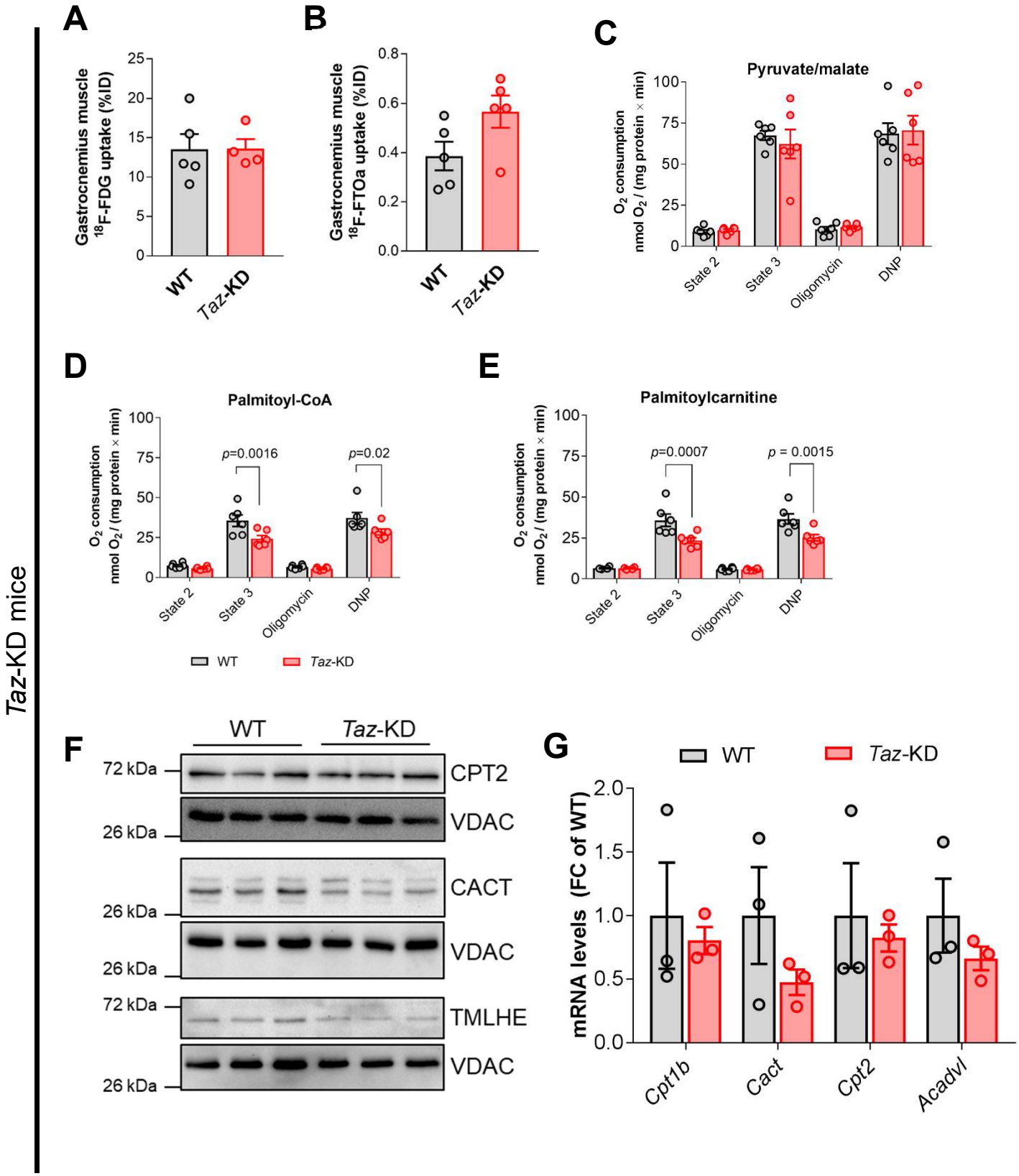
	GAUGUGGCAGCCUUUAUCA dTdT



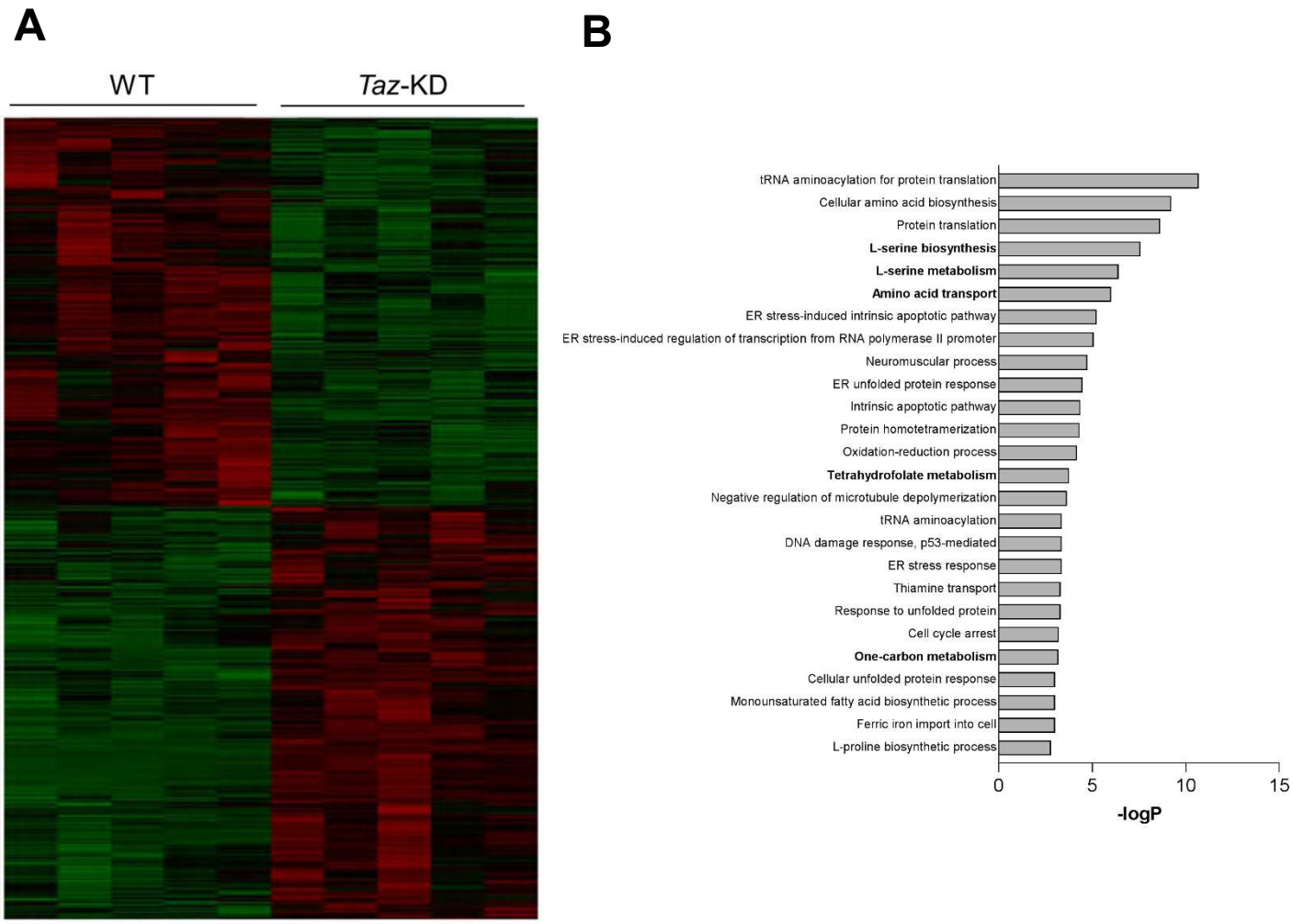
Kutschka et al., Supplementary Figure 1



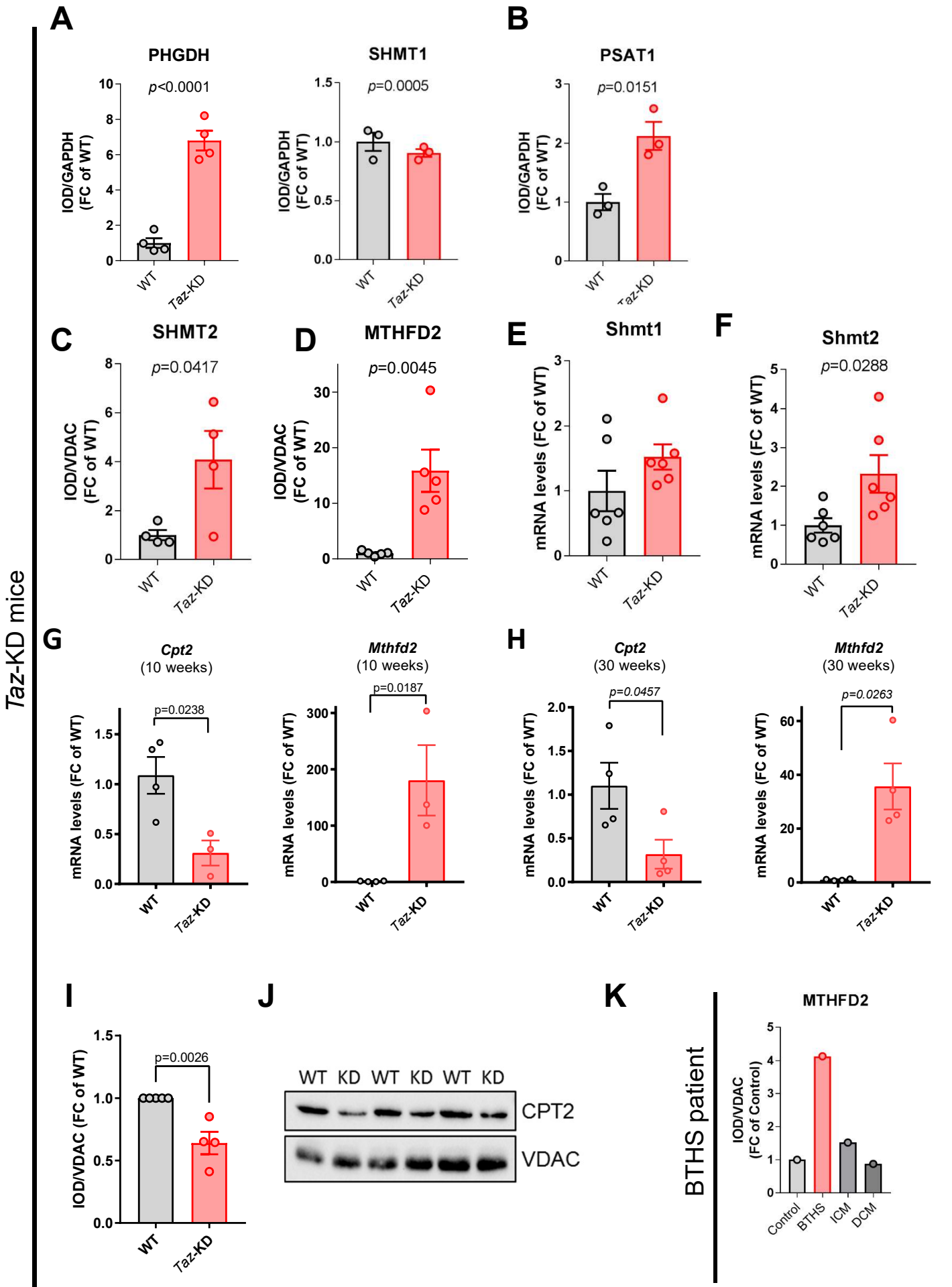
Kutschka et al., Supplementary Figure 2



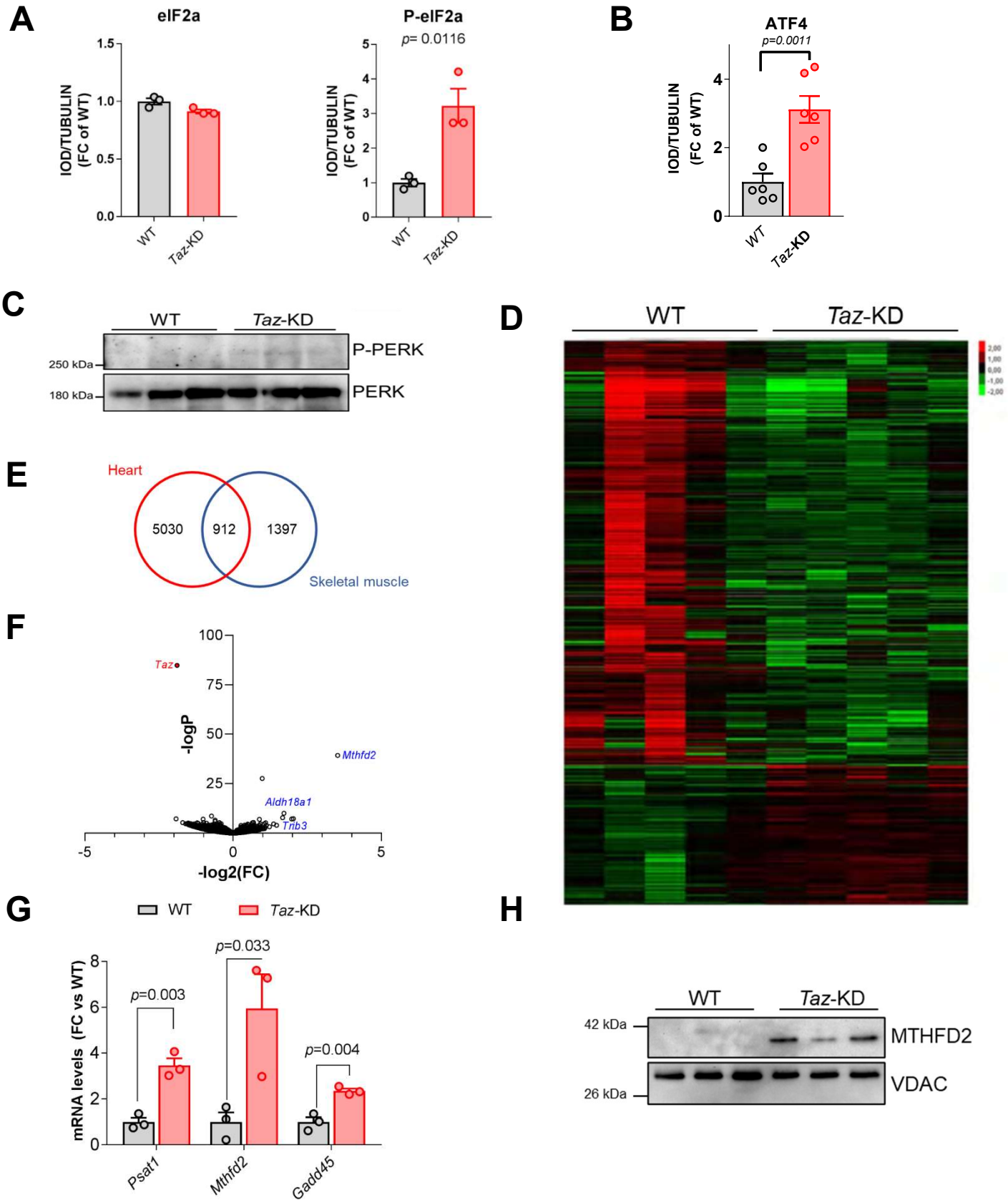
Kutschka et al., Supplementary Figure 3



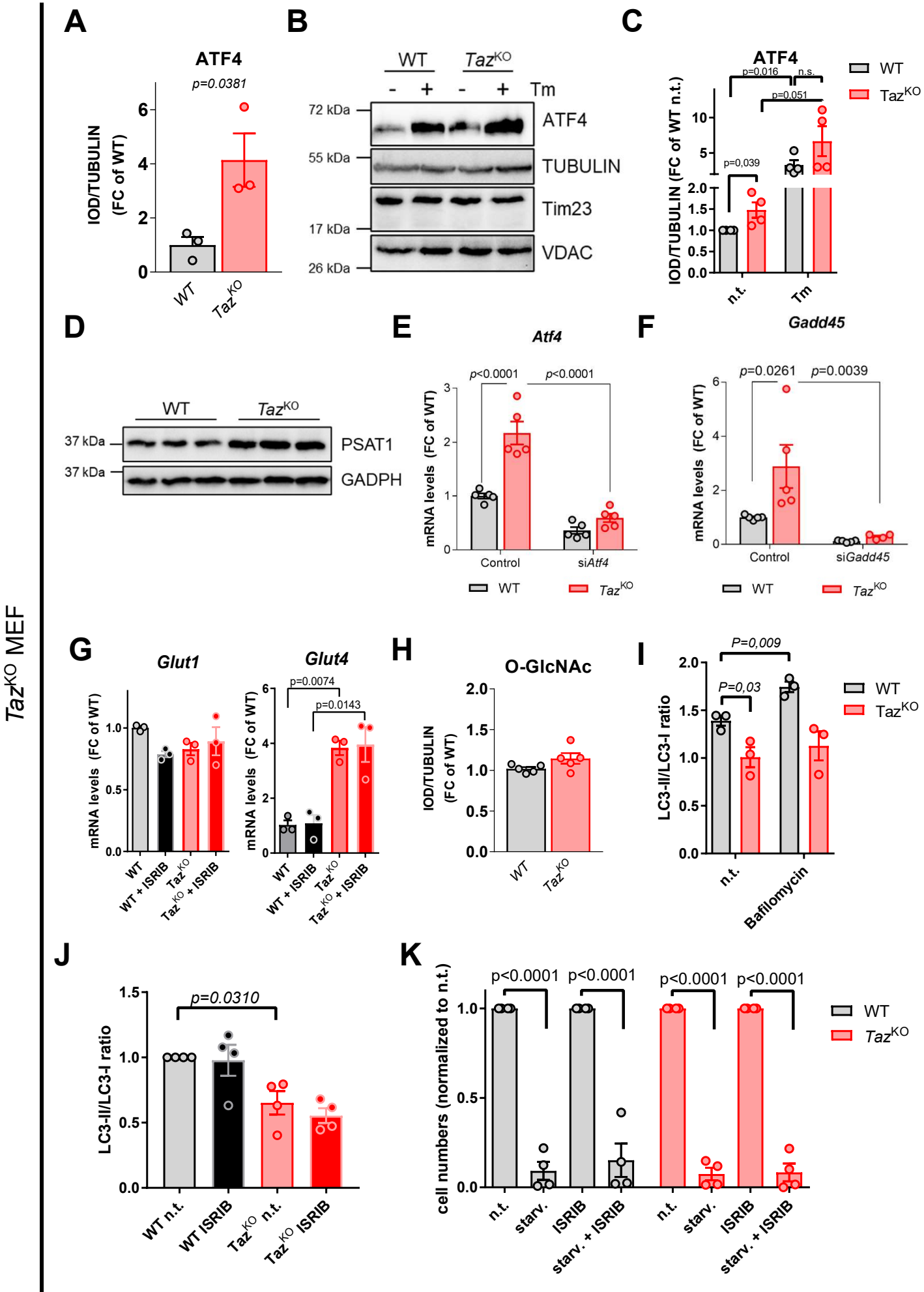
Kutschka et al., Supplementary Figure 4



Kutschka et al., Supplementary Figure 5

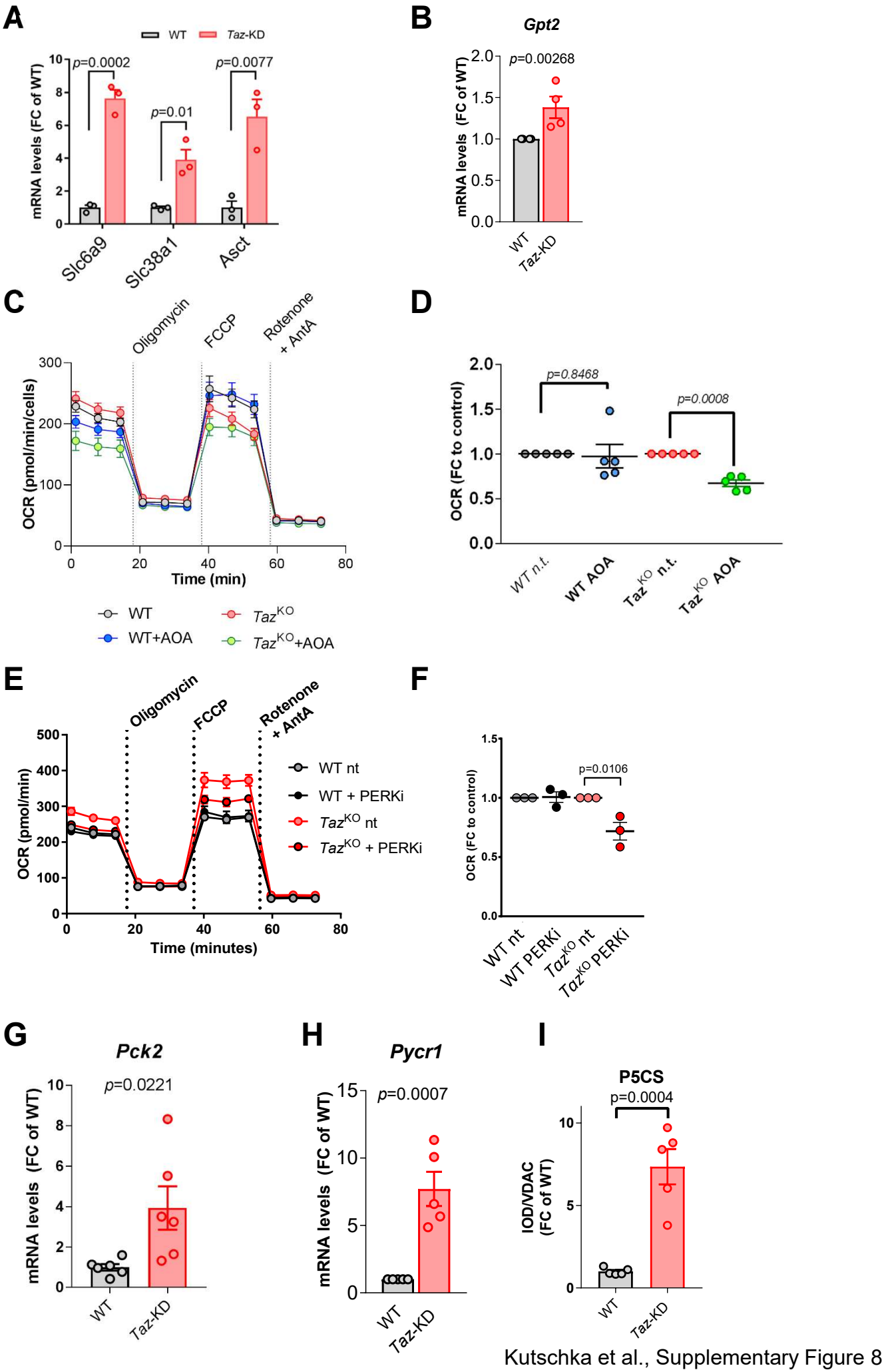


Kutschka et al., Supplementary Figure 6

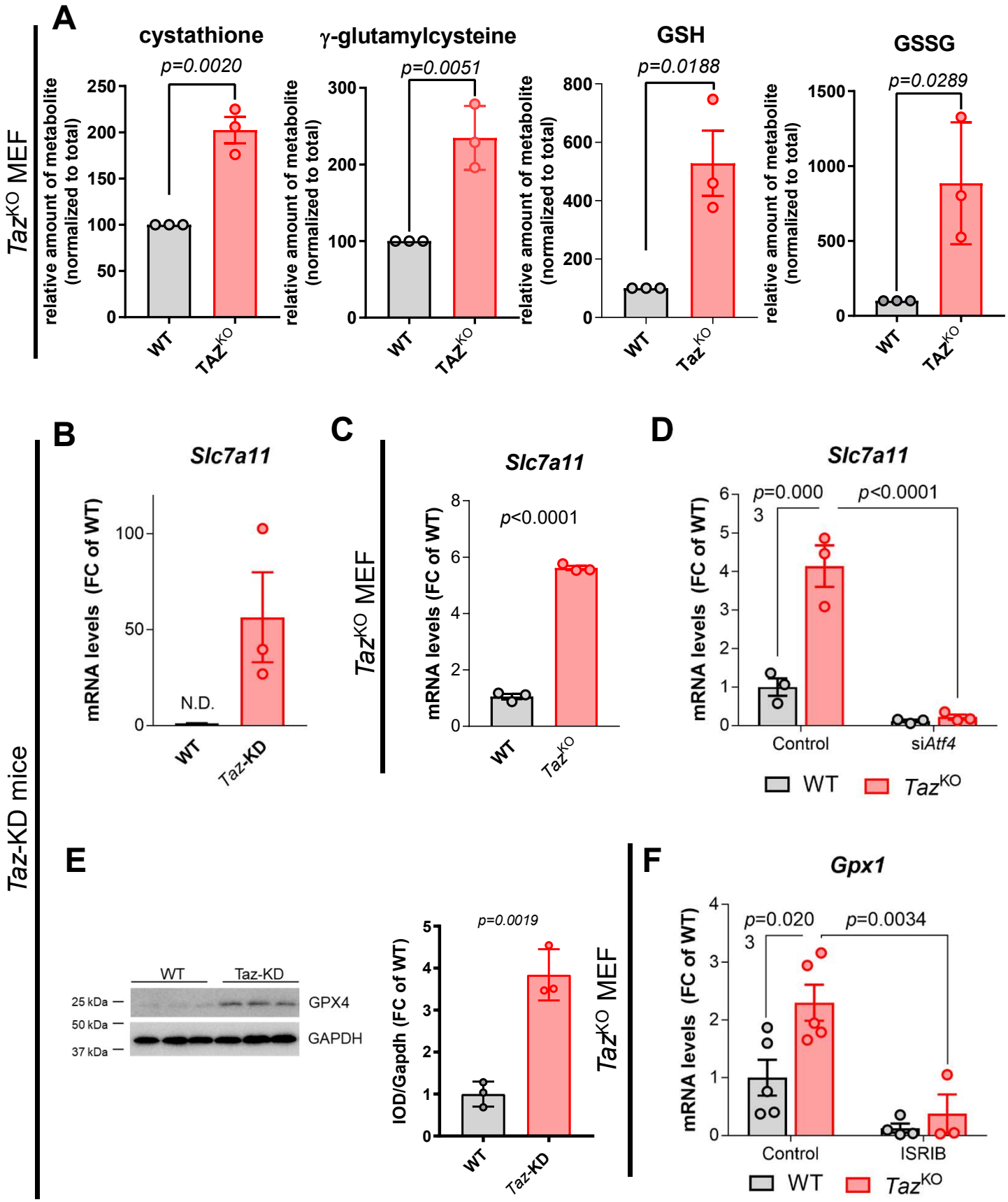


Taz KO MEF

Kutschka et al., Supplementary Figure 7



Kutschka et al., Supplementary Figure 8



Kutschka et al., Supplementary Figure 9