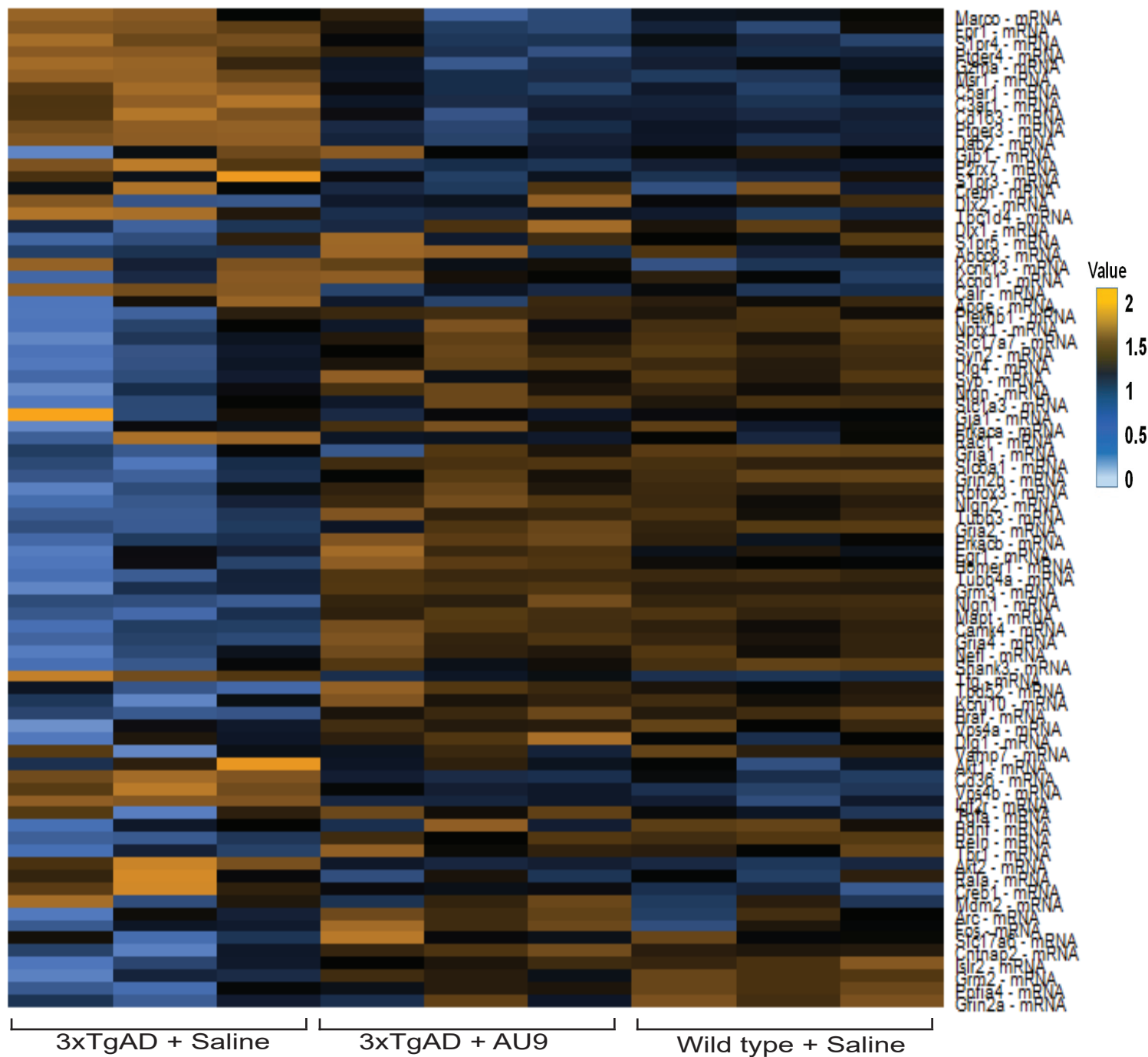
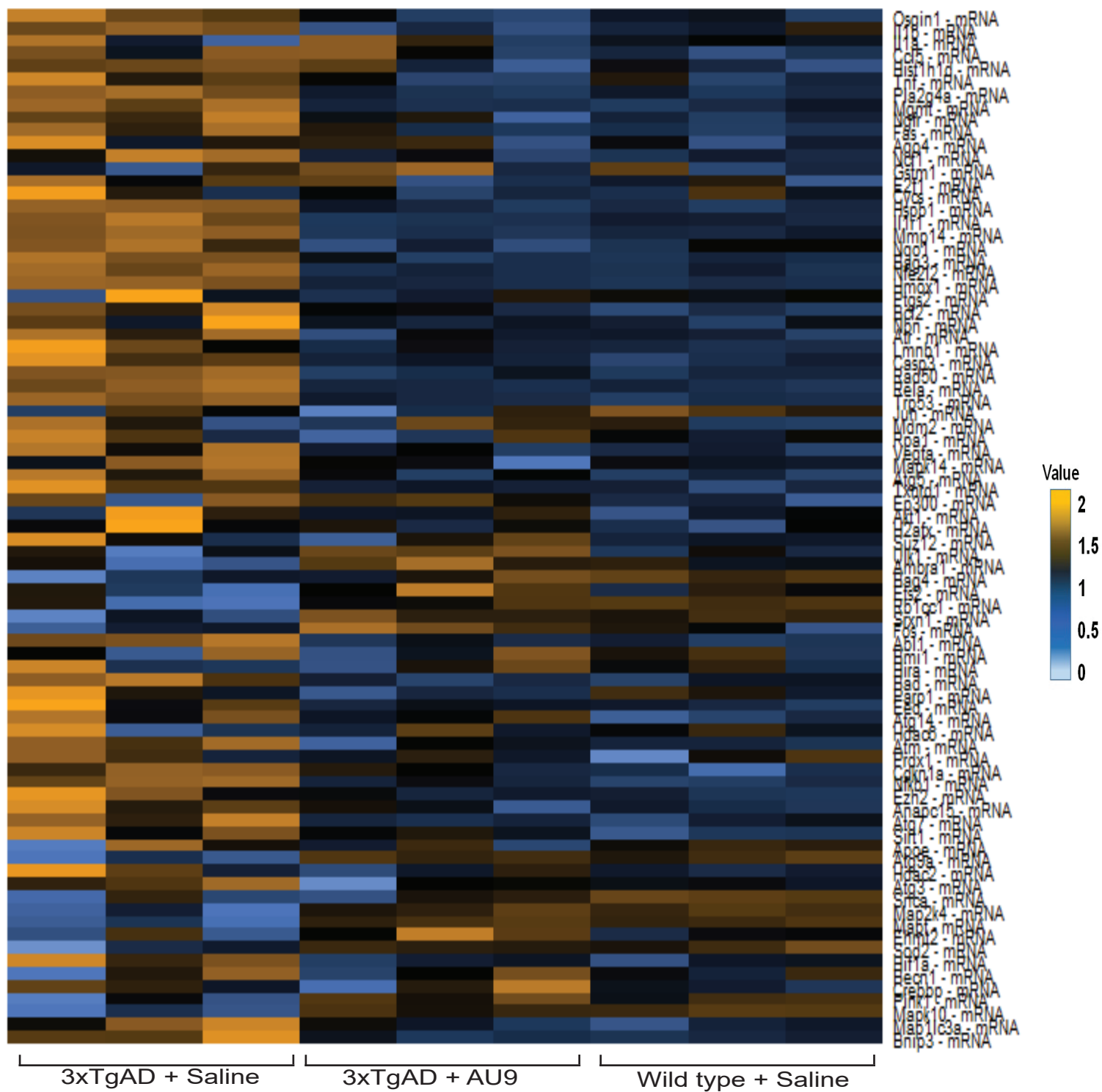


Supplemental Figure S1: Markers for Neurotransmission

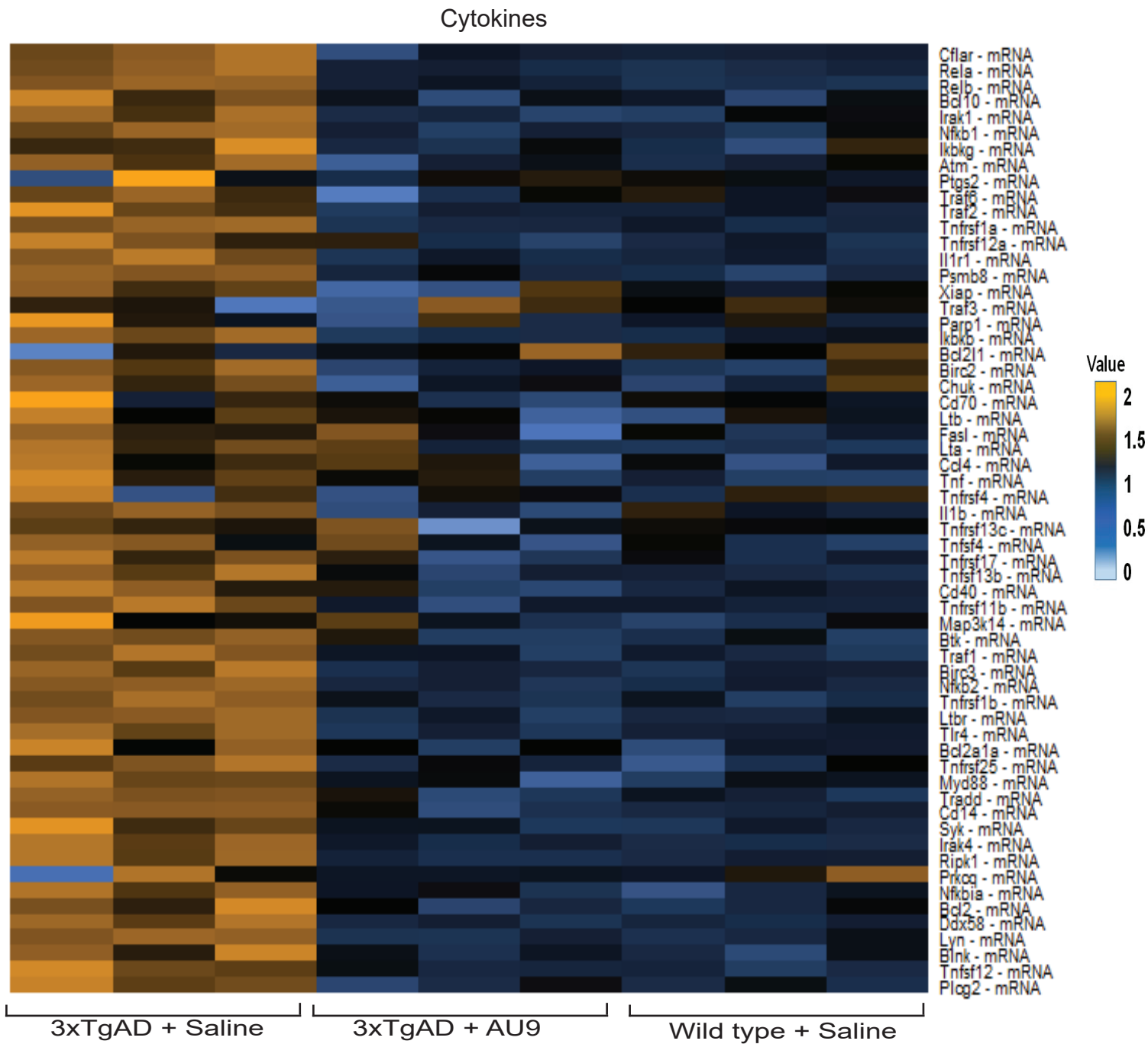
Markers for Neurotransmission



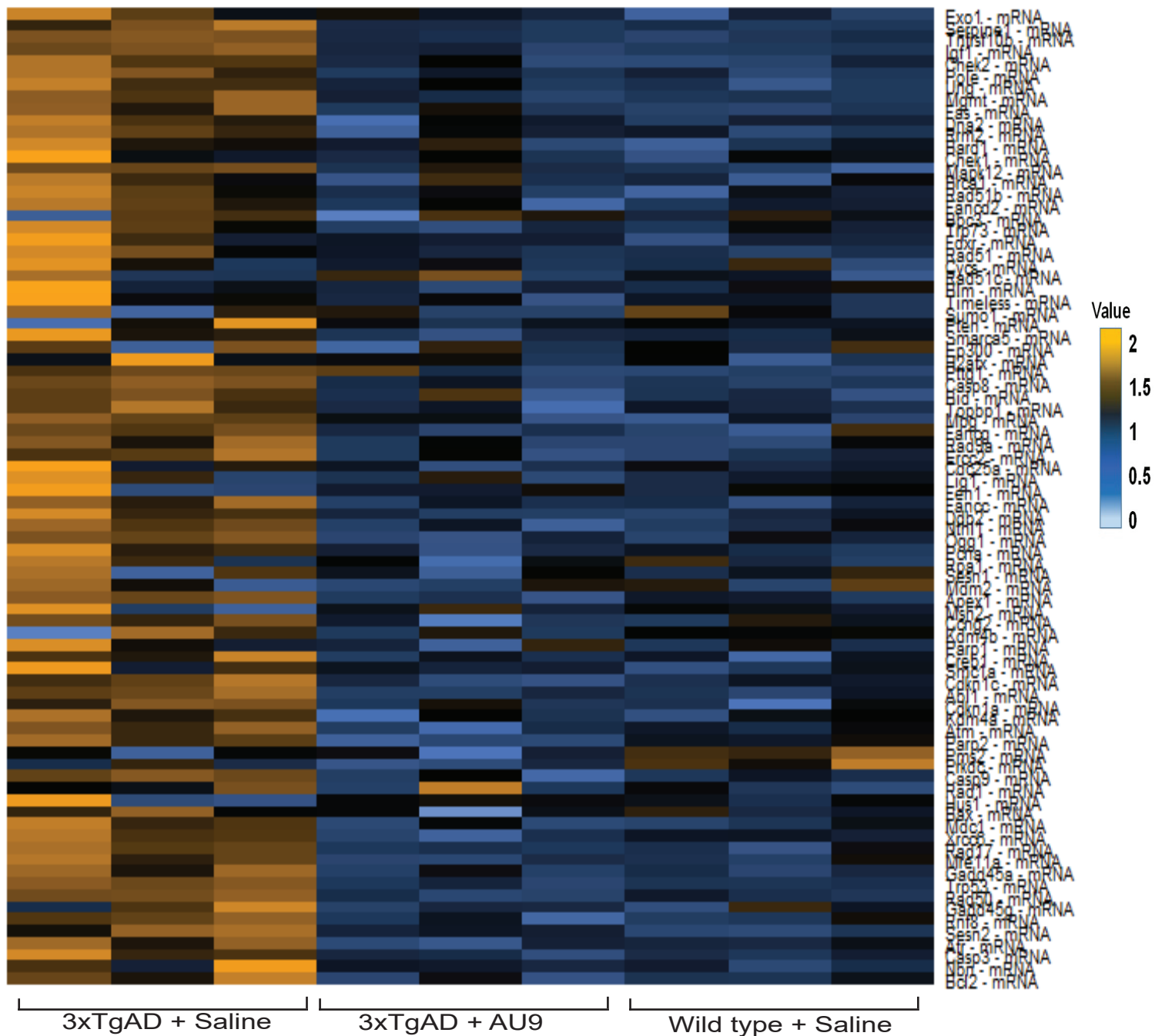
## Markers for cellular stress



Supplemental Figure S3: Cytokines



### Supplemental Figure S4: Markers for DNA Damage



## Supplemental Figure S5: QPCR primers for Figure 3C

### QPCR primers for Figure 3C

PDK1	GATAGTCTTGAGCCACCAAGTAG (Sense) CCACACAGGGACCACATAAA (AntiSense)
CPT1b	TCTACCTCCCAAGTGCTAAGA (Sense) ACTCTCCTGGTCTGTGGATAA (AntiSense)
LCAD	GGTCAGGAGAGCTAATGGAAAG (Sense) GAGAGATGGCTCAGTGGTTAAG (AntiSense)
UCP1	GGTCAGGAGAGCTAATGGAAAG (Sense) GAGAGATGGCTCAGTGGTTAAG (AntiSense)
UCP3	GGTCAGGAGAGCTAATGGAAAG (Sense) GAGAGATGGCTCAGTGGTTAAG (AntiSense)
PGC1a	GGTCAGGAGAGCTAATGGAAAG (Sense) GAGAGATGGCTCAGTGGTTAAG (AntiSense)
FABP3	GGTCAGGAGAGCTAATGGAAAG (Sense) GAGAGATGGCTCAGTGGTTAAG (AntiSense)
LPL	CCCTGGAAGTGGGAAAGAATAG (Sense) GGTGCCTCTATCACAGCAATAA (AntiSense)
ACS	GTGTGTGTGTGTGTGTGTTATG (Sense) GAGAAGGGAGCCACAATTAAGA (AntiSense)
ILK	GAGCTTCTCCGAGGTTTCATTAC (Sense) CAAAGCTGAAGGACAGAGGATAG (AntiSense)
UBC	GGGACTGCTGTGGTTTCATA (Sense) GGTGGA CTCTTTCTGGATGTT (AntiSense)
PGAR	CAGAAAGAGGAGGCAGGTAAAG (Sense) CGTGGGATAGAGTGGAAGTATTG (AntiSense)
COX1	GAATAGTAGGCACCGCACTAAG (Sense) GGAGTAGCACGGCTGTAATAAG (AntiSense)
NRF1	CCCAGAACAAGACCCAGTAAG (Sense) TCCTGAGGGAGTACCAGAATAG (AntiSense)
TFAM	CGGCCACTGTGTACTCATATAC (Sense) CCATCTCCATTTCTCCCTCATT (AntiSense)

# Supplemental Figure S6: QPCR primers for Figure 8A (1)

## QPCR primers for Figure 8A

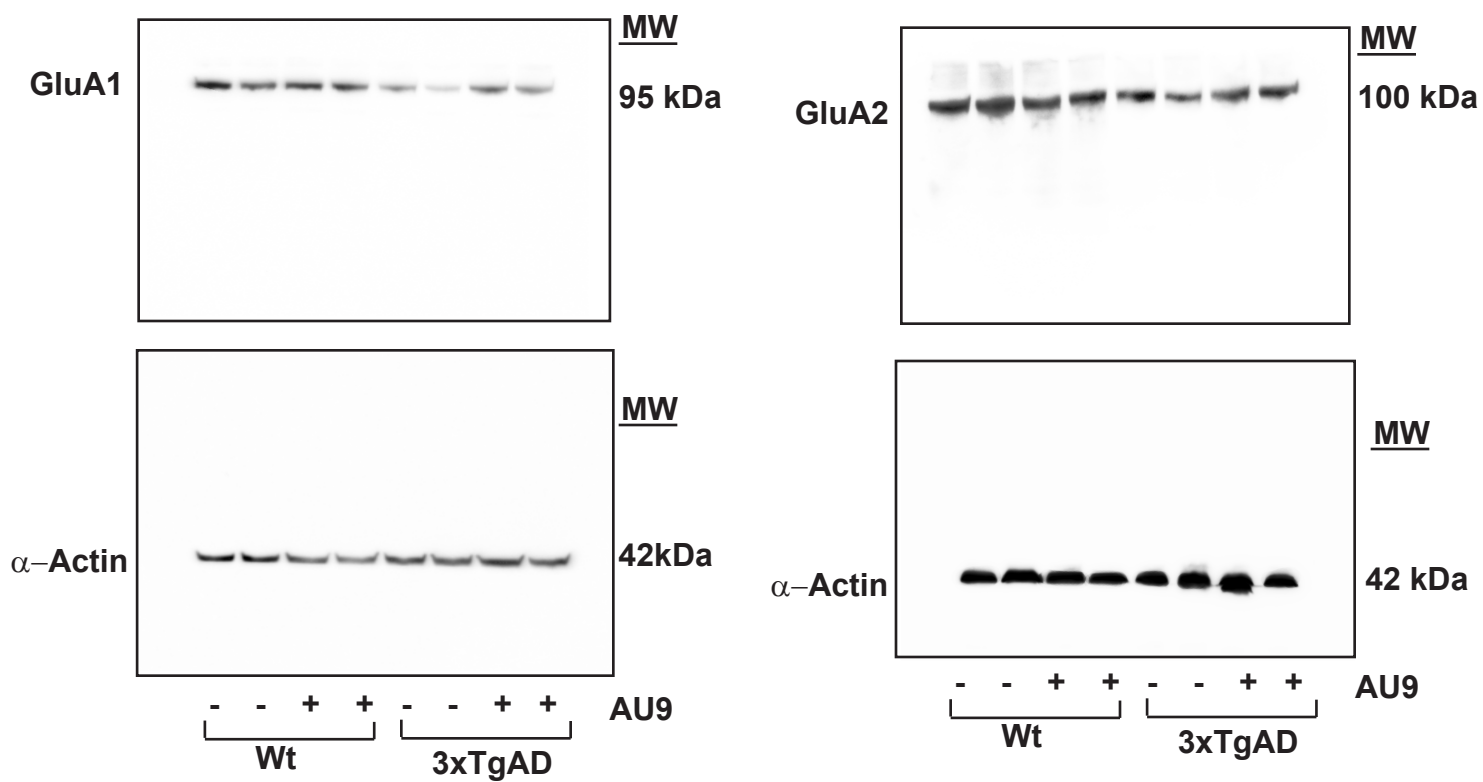
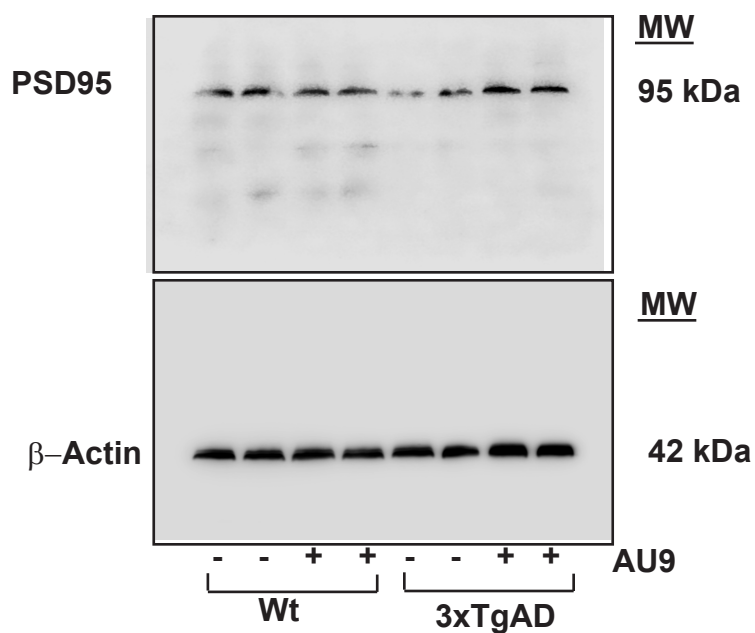
ADCy8	GCGGGATGGGATGGAATAAA (Sense)
	GTGAGGCAAGCCAGTAAAGA (AntiSense)
Adra2a	CTCGCTGAACCCTGTTATCTAC (Sense)
	GACCGCCCTGAATGATCTTTAT (AntiSense)
C1qa	GGAGAGTAGGCAGATGTTTGT (Sense)
	CCAGTCTAGGGCCATTCATATC (AntiSense)
C1qb	CCAGAGCACCAATCCATCTT (Sense)
	GCCTACCCACTTCTTCATCTATC (AntiSense)
CD33	CCCACCTAGCCAAGATTCTAAC (Sense)
	GGCGTCTCTTCACAGCAATA (AntiSense)
Csf1r	CCCTCTAACCAGGGTCTCTAA (Sense)
	CACCAGGGTGAGTCTTCTAATG (AntiSense)
Csf2rb	GGGCTCTGTCTGGTCAATATAAG (Sense)
	GCACGAGTATTCAGTCCCTAAC (AntiSense)
Ctse	AGGAACCACCTAGTCCTCTATC (Sense)
	AGTAGGCGCATTGATCCTTATC (AntiSense)
Trem2	GTGGTAGTGCCAGTAGTGTAAG (Sense)
	GGGCTCCAGTCTTGTGTAAT (AntiSense)
IGF1r	CCAAAGACGAGAGAGGTAGAAAG (Sense)
	CAGAGGGCTGTTAGGATGTATG (AntiSense)
Cxxl11	GCATCCAGGTAGTGACCATAAA (Sense)
	CCTAGAGGAGGTGTAGAGAGAAA (AntiSense)
Csc16	CACCTGAAACCGGGACATAATA (Sense)
	TCTCTCTCTCTCTCTCTCTCT (AntiSense)
Cybb	CACCCATTGTCTCCTTCTACTC (Sense)
	CTGTCCTTCTCTCTTCCTCATTC (AntiSense)
Il13ra1	GCACTGGATGCTGTCTTATCT (Sense)
	CATGCCTATCTCTGAAGTTGT (AntiSense)
Il1b	TCAGGAATGGAGGGCTATCT (Sense)
	AGTGTGTGGGTTGCCTTATC (AntiSense)

Supplemental Figure S7: QPCR primers for Figure 8A (2)

QPCR primers for Figure 8A

Il1r1	CTCTGTACCTGCTCTTGGAATG (Sense)
	GCCTGGGTCCAGTAGAATTAAG (AntiSense)
Il10ra	GGCTTTCTGGATGTGGTAAGA (Sense)
	CTGGGTCTGCAGTTAGAGATTAG (AntiSense)
HGF	GTTGTCAGGTTCCCAGGAATAG (Sense)
	GGAAGGATGGAAGGAGCTAAAG (AntiSense)
Inhbb	CAGCAGAGTCCATTCCCTATTG (Sense)
	CCTCACAGTAGTTCCCGTAGTA (AntiSense)
Itga5	GAAGAGGAAGGGCTAGGATAGA (Sense)
	GGAGACACTGAAGAGGAGGATA (AntiSense)
Lif	TGGCTTCATCACTCCACTATTC (Sense)
	CAGGTGCTTCTTACAGGTCTAC (AntiSense)
MMP24	AAGGACTGTGTCTTCTGTCTTG (Sense)
	CAGGTTGGAGGGAGATGTTTAG (AntiSense)
MMP9	CCAATCTTAGCCTCTGCCTATC (Sense)
	GATGCCGTCTATGTCGTCTTTA (AntiSense)
NGFr	CGCTCTTGATGGACACTTATCT (Sense)
	GCTGTTGGCTCCTTGTTTATTT (AntiSense)
P2ry12	GGTCAGAAGTGAGGCAGTAAG (Sense)
	TTCCCTGTGGTTGGGTAAAG (AntiSense)
Scamp2	CTGGAGAGGTGTCTTGCTATTC (Sense)
	GGCTGGCCCAGAACTTATT (AntiSense)
Sla	CTTCCCTGGATGGTGTGTATTT (Sense)
	GGTGACAAGTGAGTGGGAATAG (AntiSense)
TNF	AGGGAAAGAAGTGGGCTAATG (Sense)
	CTGCCCTTCCTCCATCTTAAA (AntiSense)

Supplemental Figure S8: Western Whole blots for PSD95, GluA1, GluA2, and the associated standardizing  $\alpha$ -Actin





Supplemental Figure S9: Western whole blots for inflammatory markers

