

**Supplementary Table S2: Translationally repressed genes putatively targeted by miR-AS1**

Gene Symbol	miR-AS1 pairing MFE (Kcal/mol)	Delta Tranlational Enhancement
AADAC	-27.00	-1.57
ABCA12	-24.30	-2.05
APOL3	-33.60	-1.52
ARX	-22.40	-1.11
BTN3A3	-22.00	-1.45
C17orf67	-22.00	-2.13
C9orf84	-22.30	-1.83
CD34	-24.90	-2.43
CHI3L2	-24.90	-2.15
CPA4	-25.90	-1.50
CXCL6	-24.10	-1.76
CXCL9	-25.10	-3.33
CYP1A1	-24.70	-1.80
DIDO1	-30.80	-0.23
DNER	-27.70	-1.90
FAM115C	-30.20	-1.14
FOS	-23.40	-2.83
FOSB	-25.90	-1.05
HIST1H3H	-22.70	-2.57
LHFPL1	-24.90	-2.26
LRRN2	-23.20	-2.66
MAP6	-30.90	-1.26
MX2	-25.30	-2.06
NEXN	-29.40	-1.76
NR4A3	-25.70	-1.45
PRMT8	-27.70	-1.27
RBMX2	-29.60	2.26
RORB	-34.20	-1.14
RPRM	-25.40	-2.88
RSPH10B2	-22.20	-1.45
RTN4RL1	-25.30	-2.04
RUFY4	-26.20	-1.41
RYR3	-23.30	-1.82
SCN4B	-27.90	-1.65
SELL	-22.80	-4.53
SLC28A3	-26.10	-2.77
STAC	-25.50	-1.21
TMEM213	-30.60	-1.85
TMX2	-24.30	-1.02
UBQLNL	-28.00	-2.07

MFE: as computed by RNAhybrid; Translational Enhancement as computed by Puray-Chavez et al.