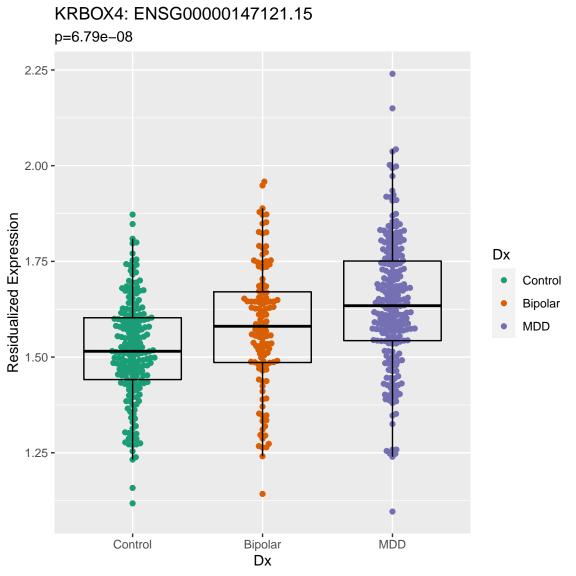
TMEM167B: ENSG00000215717.5 p=5.96e-09 3.1 -3.0 -Residualized Expression 2.9 -Dx Control Bipolar 2.8 **-** MDD 2.7 -2.6 -Bipolar MDD Control Dx

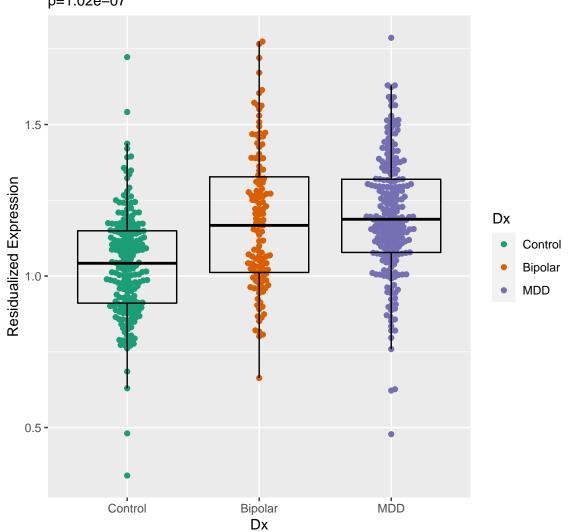
MYT1L: ENSG00000186487.17 p=1.35e-08 3.5 -Residualized Expression Dx Control Bipolar MDD 2.5 -Bipolar Control MDD Dx

MED9: ENSG00000141026.5 p=6.55e-08 1.50 -1.25 -Residualized Expression Dx Control 1.00 -Bipolar MDD 0.75 -0.50 -Bipolar Dx Control MDD

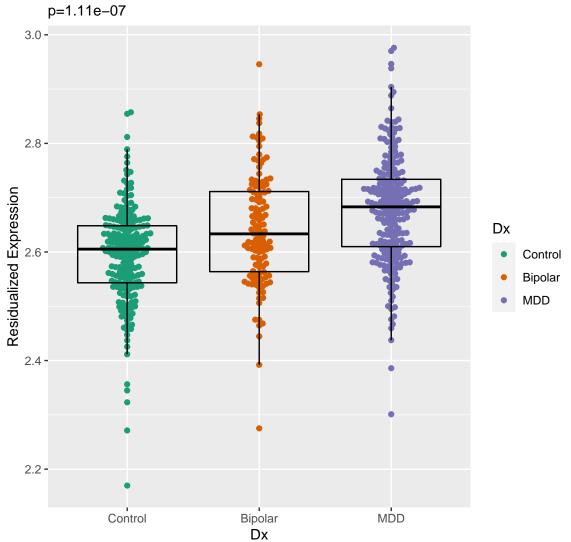


KRBOX4: ENSG00000147121.15 p=8.52e-08 2.00 -1.75 -Residualized Expression Dx 1.50 -Control Bipolar MDD 1.25 -1.00 -MDD Control . Bipolar Dх

ELK1: ENSG00000126767.17 p=1.02e-07



UBE2W: ENSG00000104343.19



CBX1: ENSG00000108468.14 p=1.52e-07 4.1 -4.0 -Residualized Expression Dx 3.9 -Control Bipolar MDD 3.8 -3.7 -Bipolar Control MDD Dx

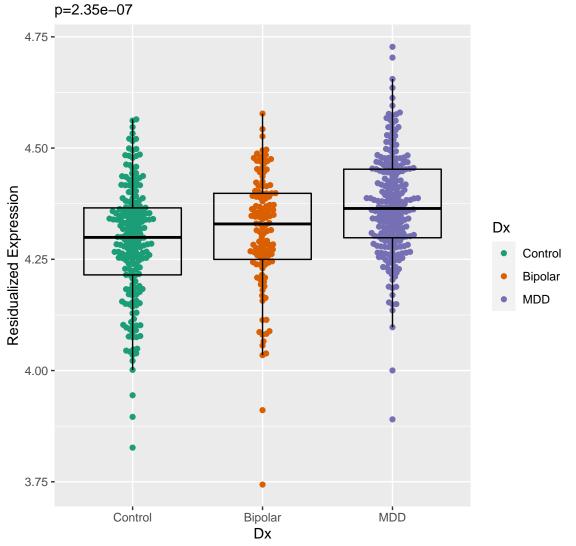
ELK1: ENSG00000126767.17 p=1.59e-07 2.0 -Residualized Expression Dx 1.5 **-**Control Bipolar MDD 1.0 -Bipolar Control MDD Dx

MKL1: ENSG00000196588.14 p=1.79e-07 1.4 -Residualized Expression Dx Control Bipolar MDD 0.8 -Bipolar Control MDD Dx

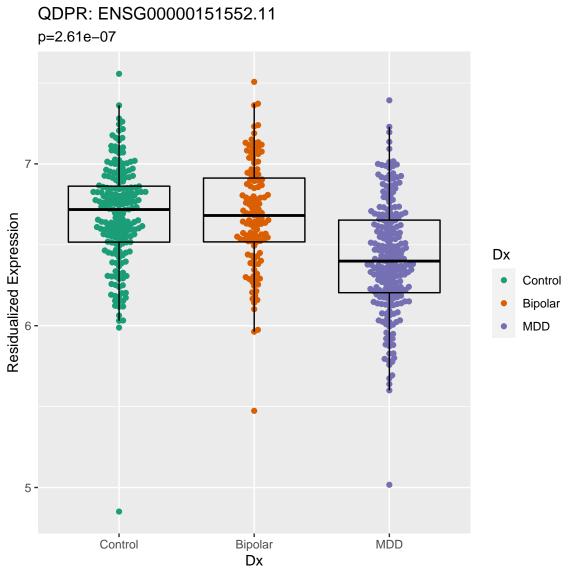
RBM48: ENSG00000127993.15 p=1.83e-07 3.6 -Residualized Expression Dx 3.3 -Control Bipolar MDD 3.0 -2.7 -Bipolar Control MDD Dx

KRBOX4: ENSG00000147121.15 p=2.27e-07 2.0 -Residualized Expression Dx Control Bipolar MDD 1.5 **-**Control Bipolar MDD Dx

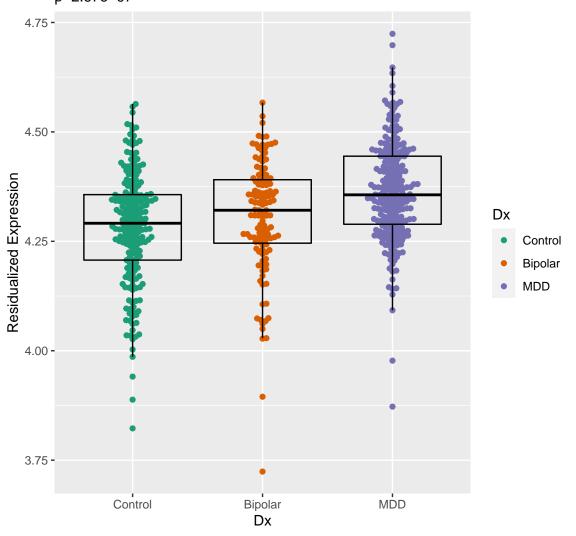
TCEAL2: ENSG00000184905.8



FGF14: ENSG00000102466.15 p=2.38e-07 3.5 -3.0 -Residualized Expression Dx Control Bipolar MDD 2.5 -2.0 -Bipolar Control MDD Dx



TCEAL2: ENSG00000184905.8 p=2.67e-07



MAPT: ENSG00000186868.15 p=3.41e-07 3.6 -Residualized Expression Dx 3.3 -Control Bipolar MDD 3.0 -2.7 -Bipolar Control MDD Dx

MAPT: ENSG00000186868.15 p=3.47e-07 5.1 -4.8 -Residualized Expression Dx Control 4.5 **-**Bipolar MDD 4.2 -3.9 -Control Bipolar MDD Dx

SFSWAP: ENSG00000061936.9 p=3.66e-07 3.50 -Residualized Expression Dx 3.25 **-**Control Bipolar MDD 3.00 -Bipolar Dx MDD Control

MAPT: ENSG00000186868.15 p=3.88e-07 5.25 -5.00 -Residualized Expression 4.75 **-**Dx Control Bipolar MDD 4.50 **-**4.25 **-**4.00 **-**MDD Control Bipolar Dx

GNAS: ENSG00000087460.23 p=4.27e-07 7.5 -7.2 -Residualized Expression Dx Control 6.9 **-**Bipolar MDD 6.6 -6.3 **-**Bipolar Control MDD Dx

QDPR: ENSG00000151552.11 p=4.38e-07 5.5 **-**Residualized Expression Dx Control Bipolar MDD 4.0 -3.5 -Bipolar MDD Control Dx

QDPR: ENSG00000151552.11 p=4.54e-07 5.5 **-**5.0 -Residualized Expression Dx 4.5 **-**Control Bipolar MDD 4.0 -3.5 **-**Bipolar Control MDD Dx

QDPR: ENSG00000151552.11 p=4.54e-07 5.5 -5.0 -Residualized Expression Dx Control 4.5 **-**Bipolar MDD 4.0 -3.5 -Bipolar Control MDD Dx

QDPR: ENSG00000151552.11 p=4.54e-07 5.5 **-**5.0 -Residualized Expression Dx Control Bipolar MDD 4.0 -3.5 -Bipolar MDD Control Dx

QDPR: ENSG00000151552.11 p=4.55e-07 4.5 **-**Residualized Expression Dx Control Bipolar MDD 3.0 -Bipolar MDD Control Dx

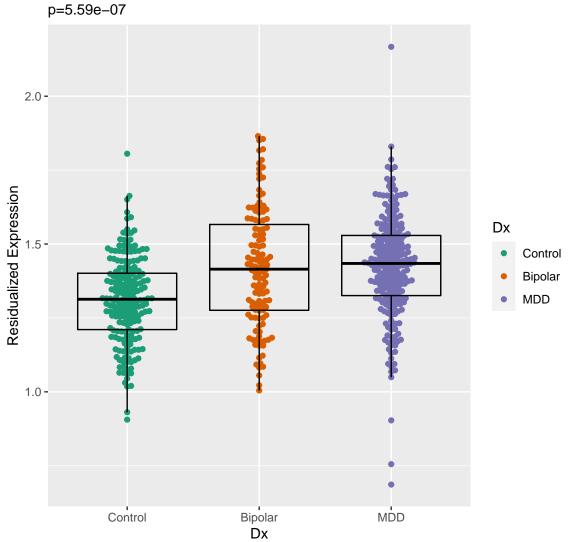
QDPR: ENSG00000151552.11 p=4.59e-07 4.5 -4.0 -Residualized Expression Dx Control 3.5 -Bipolar MDD 3.0 -Bipolar Control MDD Dx

TPM4: ENSG00000167460.14 p=4.93e-07 6.5 **-**Residualized Expression Dx Control Bipolar MDD 5.0 -Bipolar Control MDD

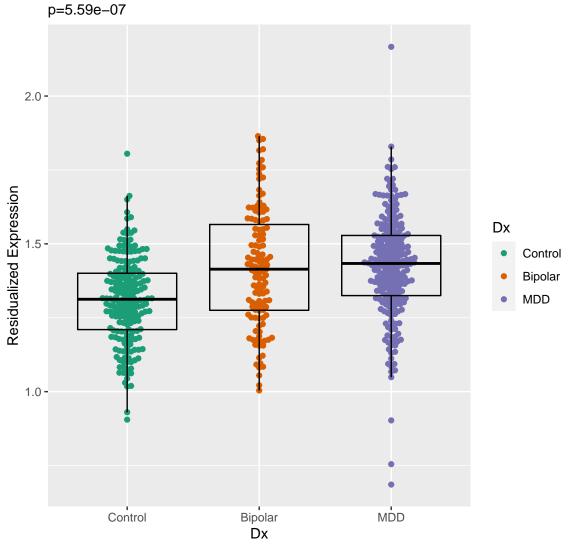
Dx

SLC25A42: ENSG00000181035.13 p=5.5e-07 1.00 -0.75 -Residualized Expression Dx Control Bipolar MDD 0.50 -0.25 -MDD Control . Bipolar Dх

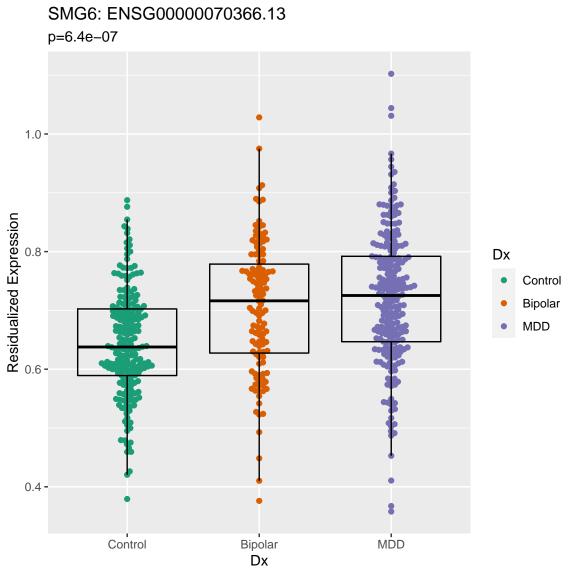
TEF: ENSG00000167074.14



TEF: ENSG00000167074.14



SEMA4F: ENSG00000135622.12 p=6.06e-07 1.4 -Residualized Expression 1.2 **-**Dx Control Bipolar MDD 1.0 -0.8 -Control Bipolar MDD Dx



MAPT: ENSG00000186868.15 p=1.02e-06 7.0 -Residualized Expression Dx Control Bipolar MDD 6.0 -Bipolar Control MDD Dx

TNRC6B: ENSG00000100354.20 p=1.07e-06 3.2 -Residualized Expression Dx 3.0 -Control Bipolar MDD 2.8 -2.6 -Bipolar Control MDD Dx

BCL7A: ENSG00000110987.8 p=1.33e-06 1.2 -1.0 -Residualized Expression Dx Control 0.8 -Bipolar MDD 0.6 -0.4 -Bipolar Control MDD Dx

GPM6A: ENSG00000150625.16 p=1.48e-06 8.2 -Residualized Expression Dx Control Bipolar MDD 7.6 -Bipolar Control MDD Dx

UBE2W: ENSG00000104343.19 p=1.53e-06 2.2 -Residualized Expression Dx Control Bipolar MDD 1.6 **-**Bipolar Control MDD Dx

CDH18: ENSG00000145526.11 p=1.54e-06 3.5 -Residualized Expression Dx Control Bipolar MDD 2.5 -Bipolar Control MDD Dx

SMG6: ENSG00000070366.13 p=1.6e-06 1.2 -Residualized Expression 1.0 **-**Dx Control Bipolar MDD 0.8 -0.6 -Bipolar Control MDD Dx

SMG6: ENSG00000070366.13 p=1.63e-06 1.2 -Residualized Expression Dx Control Bipolar MDD 0.6 -Bipolar Control MDD Dx

SMG6: ENSG00000070366.13 p=1.64e-06 1.2 -Residualized Expression Dx Control Bipolar MDD 0.6 -Bipolar MDD Control Dx

LRP2: ENSG00000081479.12 p=1.64e-06 6 -Residualized Expression Dx Control Bipolar MDD 4 -MDD Bipolar **Dx** Control

SMG6: ENSG00000070366.13 p=1.64e-06 1.2 -Residualized Expression Dx Control Bipolar MDD 0.6 -Bipolar Control MDD Dx

RP11-759A9.2: ENSG00000254392.1 p=1.69e-06 0.6 -Residualized Expression Dx Control 0.3 **-**Bipolar MDD 0.0 -Control Bipolar MDD Dx

HNRNPD: ENSG00000138668.18 p=1.91e-06 5.7 **-**Residualized Expression Dx Control 5.4 -Bipolar MDD 5.1 **-**Bipolar Control MDD Dx

THRA: ENSG00000126351.12 p=2.15e-06 6.50 -Residualized Expression Dx Control 6.25 -Bipolar MDD 6.00 -Bipolar Dx MDD Control

SEMA4F: ENSG00000135622.12 p=2.21e-06 1.6 -Residualized Expression Dx Control Bipolar MDD 1.2 -1.0 -Bipolar Control MDD Dx

TCAF1: ENSG00000198420.9 p=2.42e-06 3.5 -Residualized Expression Dx Control Bipolar MDD 2.5 -Bipolar Control MDD Dx

SERPINI1: ENSG00000163536.12 p=2.55e-06 3.3 -Residualized Expression Dx 3.0 -Control Bipolar MDD 2.7 -2.4 -Bipolar Control MDD Dx

TPM4: ENSG00000167460.14 p=2.65e-06 5.5 **-**Dx 5.0 -Control Bipolar MDD 4.5 **-**Bipolar Control MDD

Dx

Residualized Expression

Metazoa_SRP: ENSG00000277118.1 p=2.67e-06 2.5 -2.0 -Residualized Expression Dx Control 1.5 **-**Bipolar MDD 1.0 -0.5 -Control Bipolar MDD Dx

PSIP1: ENSG00000164985.14 p=2.77e-06 6.75 **-**6.50 -Residualized Expression Dx Control 6.25 **-**Bipolar MDD 6.00 -5.75 **-**MDD Control . Bipolar Dх

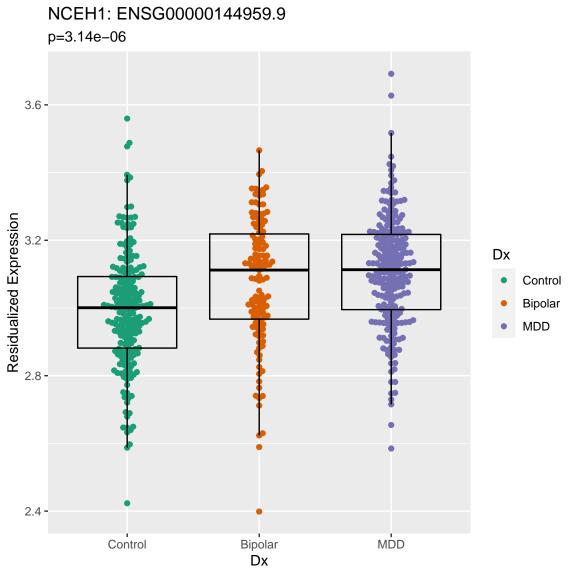
NHSL2: ENSG00000204131.8 p=2.8e-06 2.5 -2.0 -Residualized Expression 1.5 **-**Dx Control 1.0 -Bipolar MDD 0.5 -0.0 -Bipolar Control MDD Dx

RRN3: ENSG00000085721.12 p=2.81e-06 2.50 -2.25 -Residualized Expression Dx Control 2.00 -Bipolar MDD 1.75 **-**1.50 **-**MDD Control . Bipolar Dx

RPL37A: ENSG00000197756.9 p=2.82e-06 1.5 -Residualized Expression Dx Control Bipolar MDD 0.0 -Bipolar MDD Control Dx

RPL37A: ENSG00000197756.9 p=2.83e-06 1.5 -Residualized Expression 1.0 -Dx Control Bipolar MDD 0.5 -0.0 -Bipolar Control MDD Dx

INF2: ENSG00000203485.12 p=2.85e-06 2.4 -2.1 -Residualized Expression Dx Control Bipolar 1.8 **-** MDD 1.5 -Bipolar MDD Control Dx



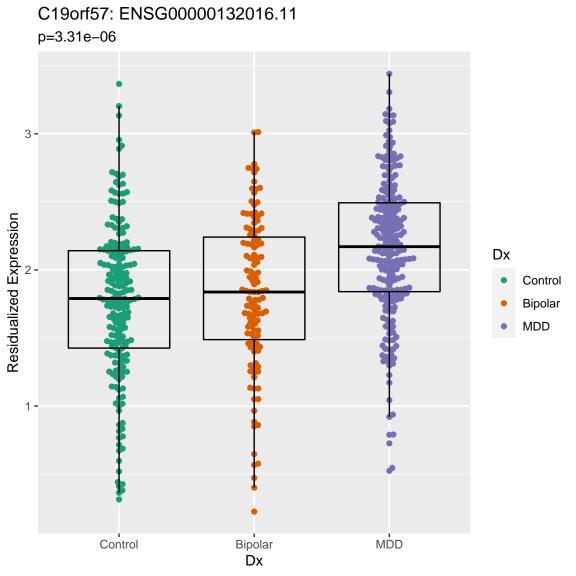
UBE2W: ENSG00000104343.19 p=3.16e-06 3.2 -3.0 -Residualized Expression Dx Control Bipolar 2.8 - MDD 2.6 -Bipolar Control MDD Dx

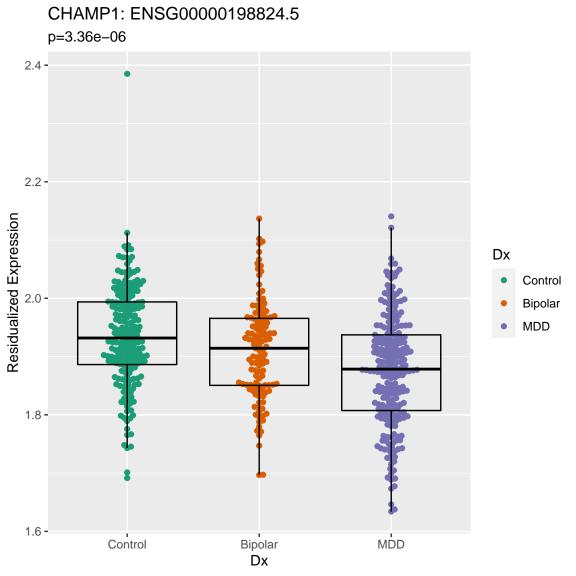
TMEM167B: ENSG00000215717.5 p=3.22e-06 3.50 -3.25 -Residualized Expression Dx 3.00 -Control Bipolar MDD 2.75 **-**2.50 -MDD Control . Bipolar Dx

UBE2W: ENSG00000104343.19 p=3.25e-06 3.2 -3.0 -Dx Control Bipolar 2.8 **-** MDD 2.6 -Bipolar Control MDD

Dx

Residualized Expression



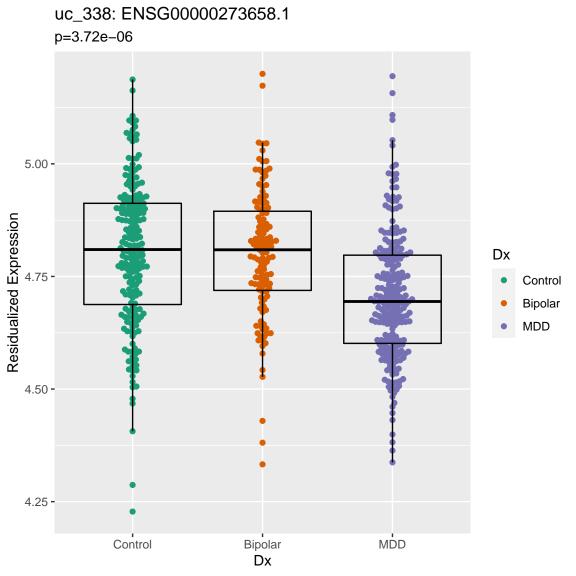


PPP4C: ENSG00000149923.13 p=3.39e-06 Residualized Expression Dx Control Bipolar MDD Bipolar **D**x MDD Control

PCBP2-OT1: ENSG00000282977.1 p=3.41e-06 3.50 -Residualized Expression Dx 3.25 -Control Bipolar MDD 3.00 -2.75 -Bipolar Dx MDD Control

C15orf40: ENSG00000169609.13 p=3.44e-06 0.8 -0.7 -Residualized Expression Dx Control 0.6 -Bipolar MDD 0.5 -0.4 -Bipolar Control MDD Dx

RP11-615I2.6: ENSG00000275383.1 p=3.66e-06 1.0 -Residualized Expression Dx Control Bipolar MDD 0.4 -Bipolar Control MDD Dx



SLC43A1: ENSG00000149150.8 p=3.79e-06 1.0 -Residualized Expression Dx Control Bipolar MDD 0.0 -Bipolar Control MDD Dx

MAPT: ENSG00000186868.15 p=3.81e-06 5.7 **-**5.4 **-**Residualized Expression Dx Control 5.1 -Bipolar MDD 4.8 -Bipolar Control MDD Dx

NCEH1: ENSG00000144959.9 p=3.83e-06 3.6 -3.2 -Residualized Expression Dx Control Bipolar MDD 2.8 -2.4 -Control Bipolar MDD Dx

MAML3: ENSG00000196782.12 p=3.86e-06 2.5 -Residualized Expression
7.2 Dx Control Bipolar MDD 1.0 -Control Bipolar MDD Dx

SUMO2: ENSG00000188612.11 p=3.87e-06 5.4 **-**Residualized Expression Dx Control Bipolar 5.2 **-** MDD 5.0 -Bipolar Control MDD Dx

MAPT: ENSG00000186868.15 p=4.06e-06 5.4 **-**Residualized Expression Dx Control Bipolar MDD 4.8 -4.5 **-**Bipolar Control MDD Dx

LONRF2: ENSG00000170500.12 p=4.12e-06 5.2 **-**Dx Control 4.8 **-**Bipolar MDD 4.4 -Bipolar Control MDD Dx

Residualized Expression

SERPINI1: ENSG00000163536.12 p=4.13e-06 6.0 -Residualized Expression Dx Control Bipolar MDD 4.5 -Bipolar Control MDD Dx

RC3H2: ENSG00000056586.15 p=4.16e-06 2.4 -Residualized Expression
7
7-0.7 Dx Control Bipolar MDD 1.8 -Control Bipolar MDD Dx

FUS: ENSG00000089280.18 p=4.19e-06 8.4 -8.0 -Residualized Expression Dx Control 7.6 **-**Bipolar MDD 7.2 -6.8 **-**Bipolar Control MDD Dx

ERICH1: ENSG00000104714.13 p=4.6e-06 2.5 -2.0 -Residualized Expression Dx 1.5 **-**Control Bipolar MDD 1.0 -0.5 -Control MDD Bipolar Dx

ASAP2: ENSG00000151693.9 p=4.7e-06 4.5 **-**Residualized Expression
5.5.5. Dx Control Bipolar MDD 3.0 -Bipolar Control MDD Dx

TPM4: ENSG00000167460.14 p=4.76e-06 6.5 **-**Residualized Expression Dx Control Bipolar MDD 5.5 **-**Bipolar Control MDD Dx

MALAT1: ENSG00000251562.7 p=4.95e-06 11.0 -Residualized Expression Dx 10.5 **-**Control Bipolar MDD 10.0 -9.5 **-**Bipolar Dx MDD Control

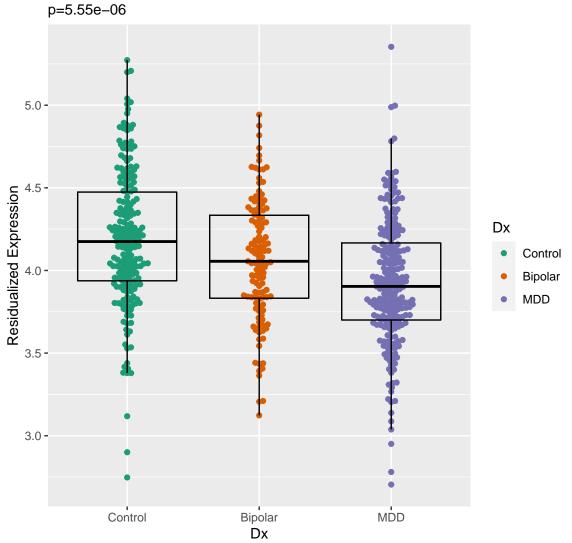
PSIP1: ENSG00000164985.14 p=5.3e-06 6.25 -Residualized Expression Dx Control Bipolar MDD 5.75 **-**Bipolar Dx MDD Control

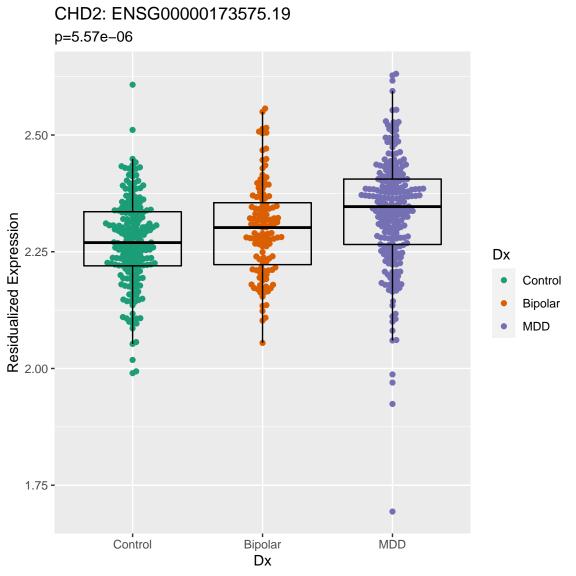
PCBP2: ENSG00000197111.15 p=5.43e-06 6.0 -Residualized Expression Dx Control Bipolar MDD 5.4 **-**5.2 -Bipolar Control MDD Dx

CDH18: ENSG00000145526.11 p=5.49e-06 4.0 -3.5 -Residualized Expression Dx Control Bipolar MDD 3.0 -2.5 -Bipolar MDD Control Dx

KLHL29: ENSG00000119771.14 p=5.53e-06 0.3 -0.2 -Residualized Expression Dx Control 0.1 -Bipolar MDD 0.0 --0.1 **-**-0.2 **-**Bipolar Control MDD Dх

LRP2: ENSG00000081479.12





CLEC17A: ENSG00000187912.11 p=5.57e-06 2.0 -Residualized Expression 1.5 **-**Dx Control Bipolar 1.0 - MDD 0.5 -0.0 -Bipolar Control MDD Dx

SRSF6: ENSG00000124193.14 p=5.71e-06 7.5 -7.0 -Residualized Expression Dx Control Bipolar MDD 6.5 **-**6.0 -Bipolar Control MDD Dx

STMN4: ENSG00000015592.16 p=5.71e-06 4.0 -3.5 -Residualized Expression Dx Control 3.0 -Bipolar MDD 2.5 -Bipolar Control MDD Dx

PSIP1: ENSG00000164985.14 p=5.82e-06 5.25 **-**Residualized Expression Dx 5.00 -Control Bipolar MDD 4.75 -4.50 -MDD Control . Bipolar Dх

COL5A3: ENSG00000080573.6 p=5.88e-06 2.5 -Residualized Expression Dx Control Bipolar MDD 1.0 -Bipolar Control MDD Dx

ING5: ENSG00000168395.15 p=5.93e-06 4.0 -Residualized Expression Dx Control Bipolar MDD 2.5 -Bipolar Control MDD Dx

RC3H2: ENSG00000056586.15 p=5.94e-06 2.4 -Residualized Expression Dx Control Bipolar MDD 1.8 -Bipolar MDD Control Dx

LRP2: ENSG00000081479.12 p=5.96e-06 5.5 **-**5.0 -Residualized Expression 4.5 **-**Dx Control Bipolar 4.0 **-** MDD 3.5 **-**3.0 -Bipolar Control MDD Dx

CHD2: ENSG00000173575.19 p=6.02e-06 2.50 -Residualized Expression Dx 2.25 **-**Control Bipolar MDD 2.00 -1.75 **-**MDD Control . Bipolar Dх

TPM4: ENSG00000167460.14 p=6.03e-06 6.0 -Residualized Expression 5.5 **-**Dx Control Bipolar MDD 5.0 -Control Bipolar MDD Dx

LRRC4C: ENSG00000148948.7 p=6.07e-06 2.2 -Residualized Expression Dx 2.0 -Control Bipolar MDD 1.8 -1.6 -Bipolar Control MDD Dx