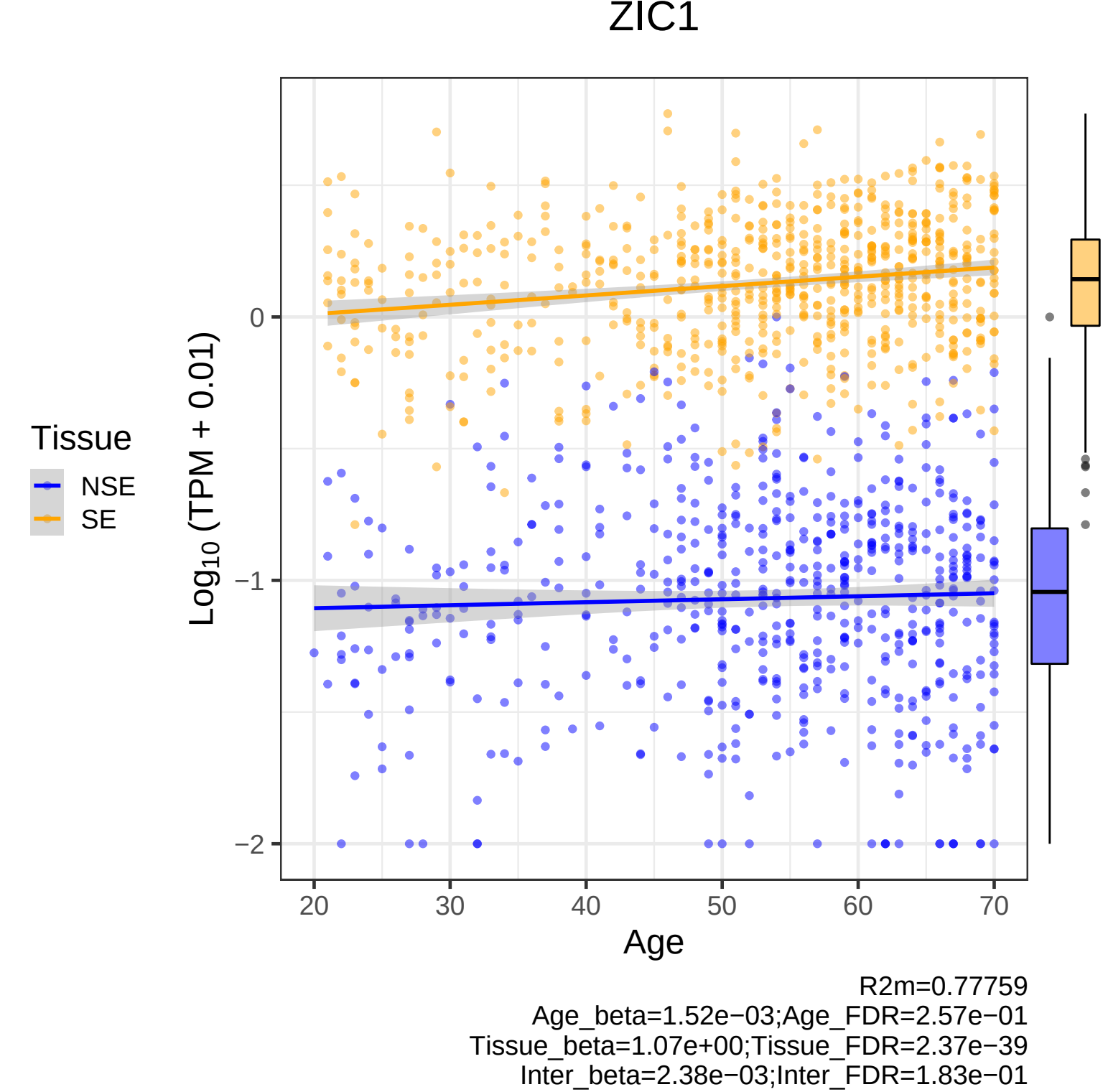
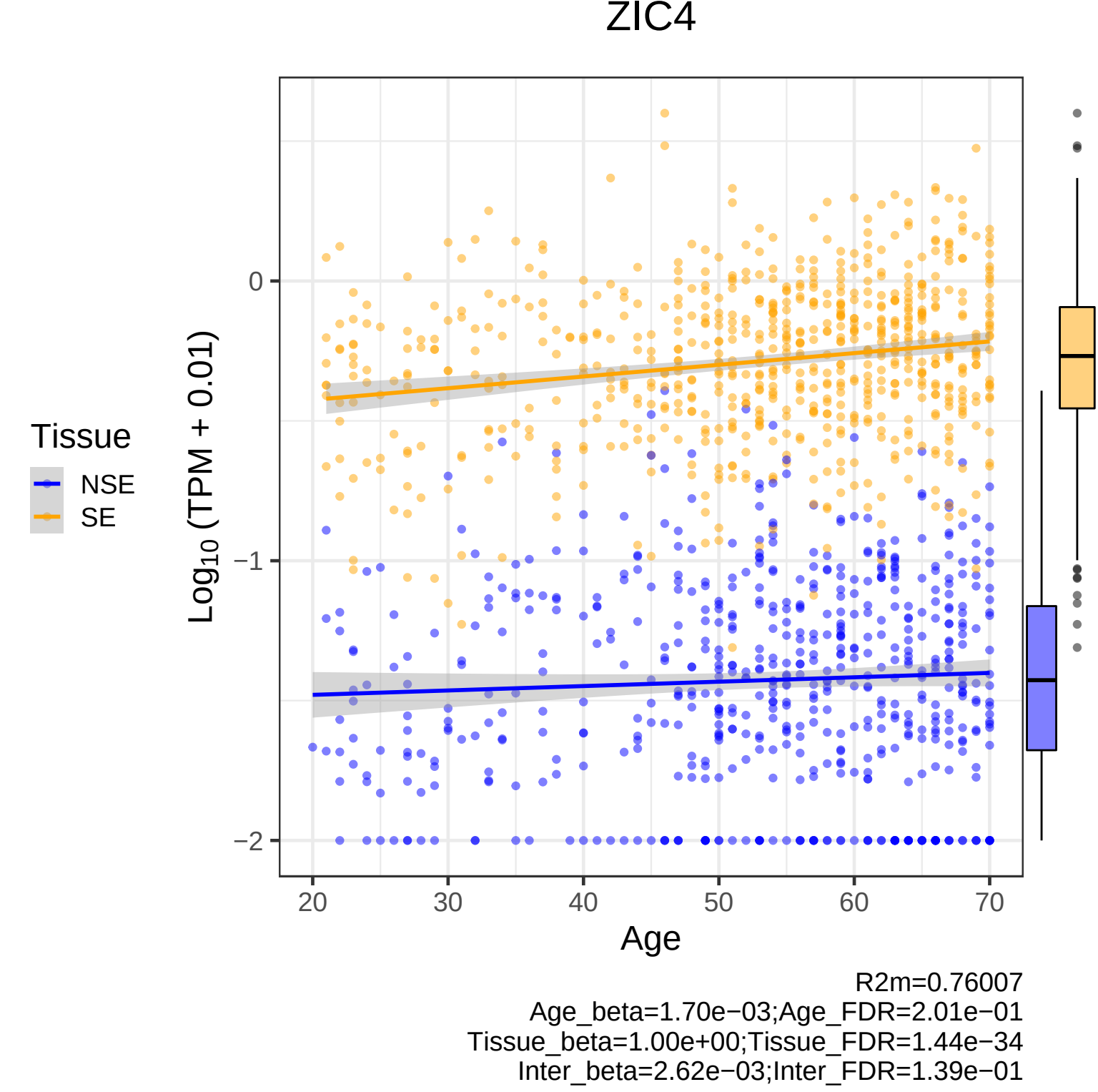
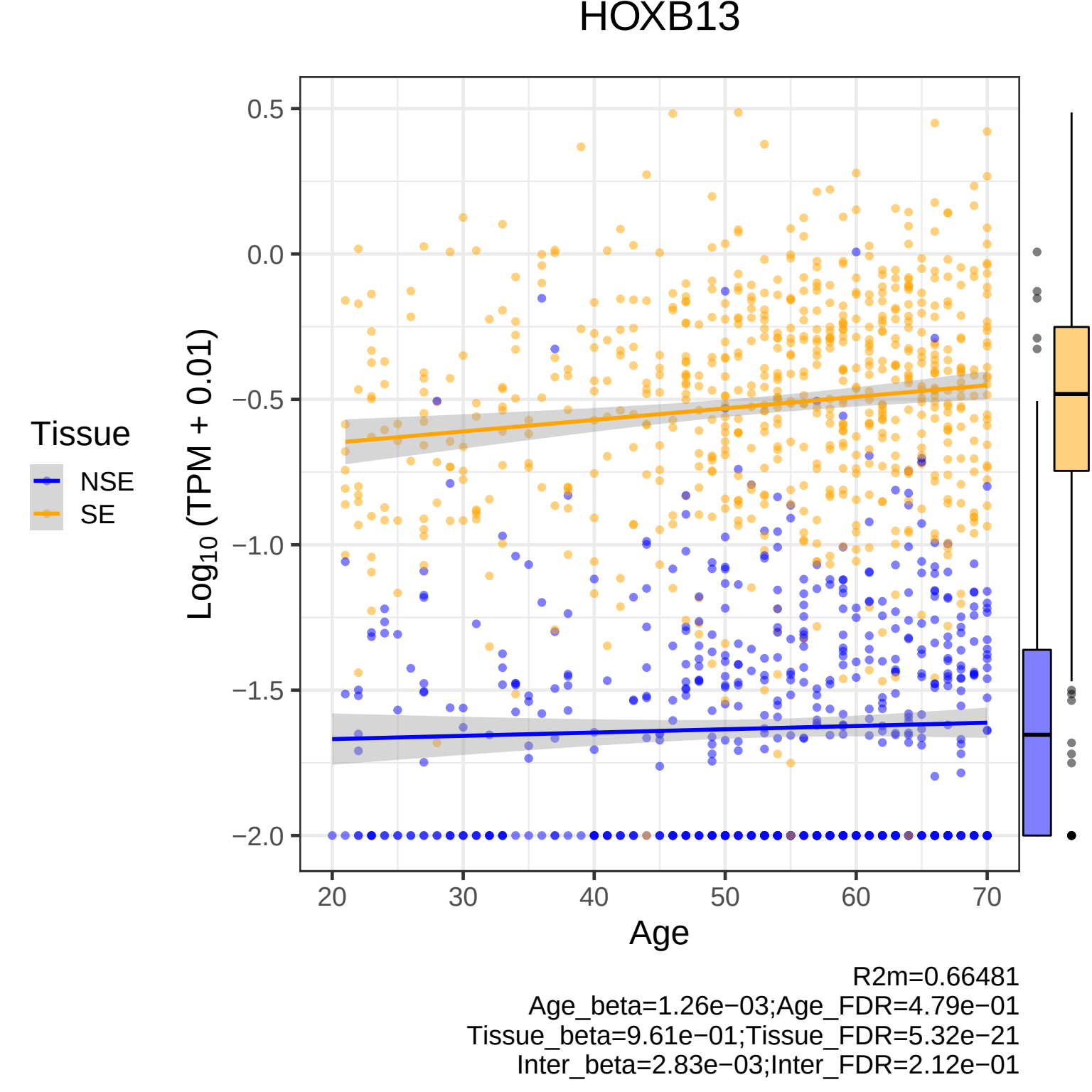
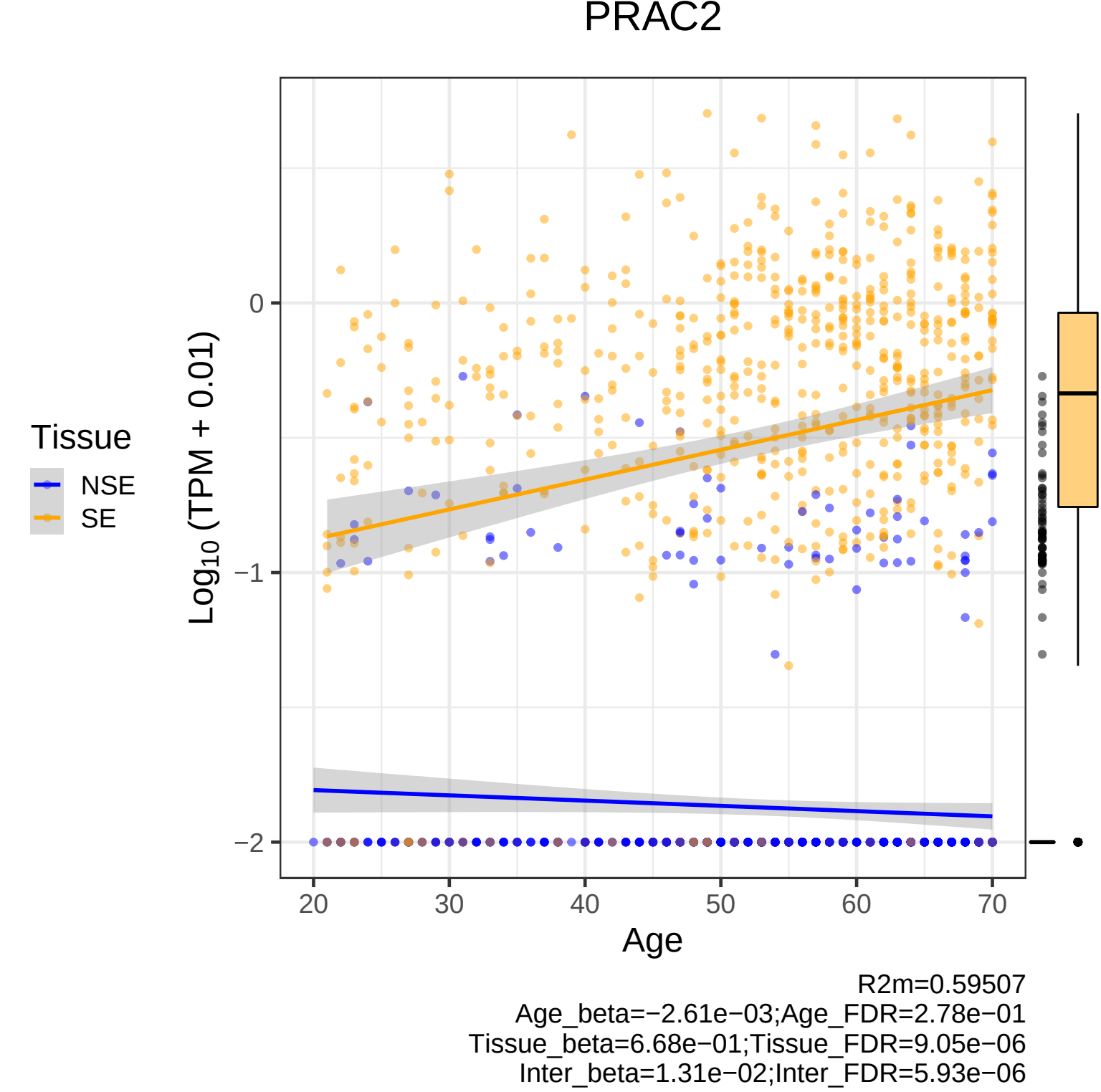
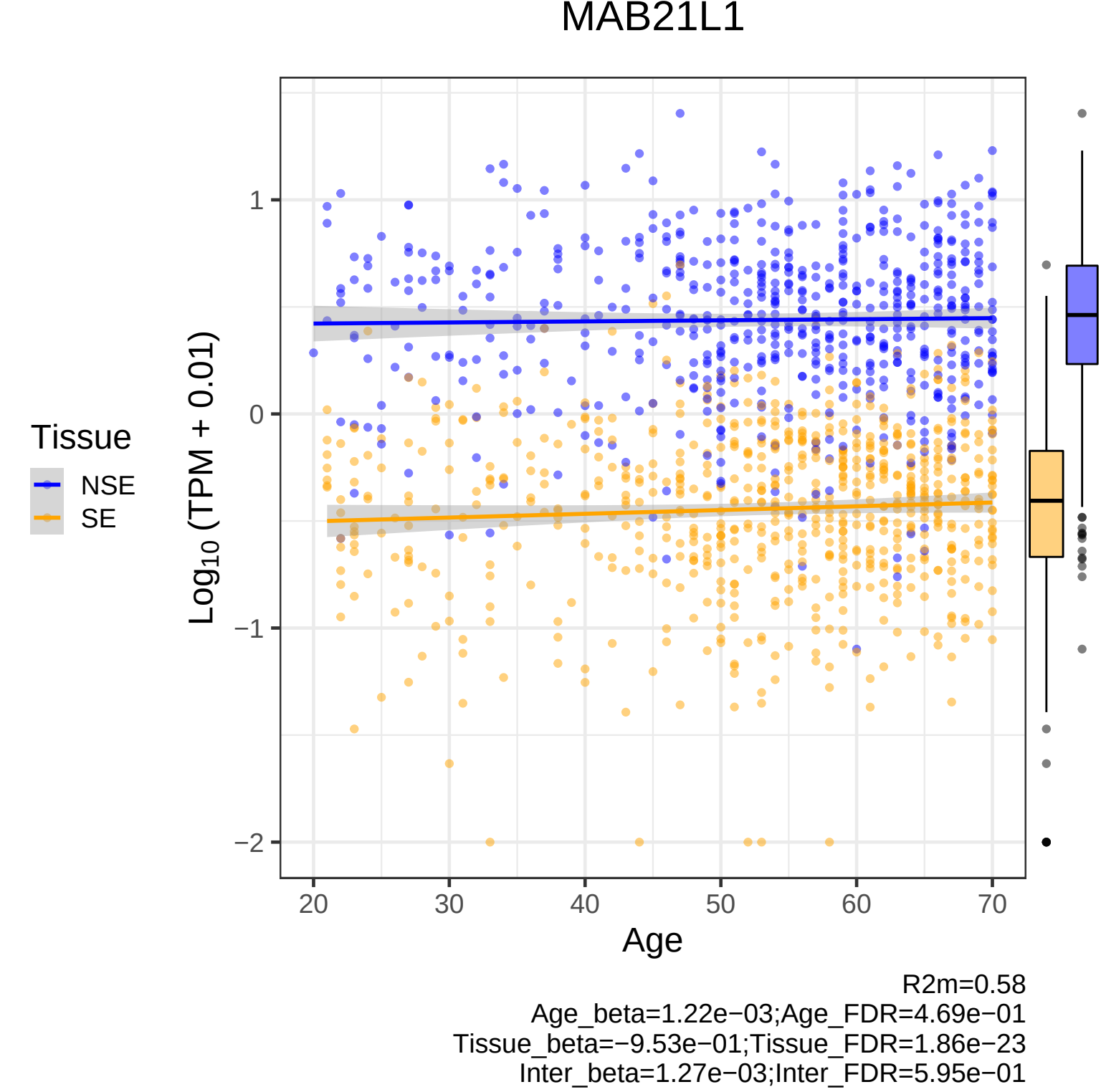
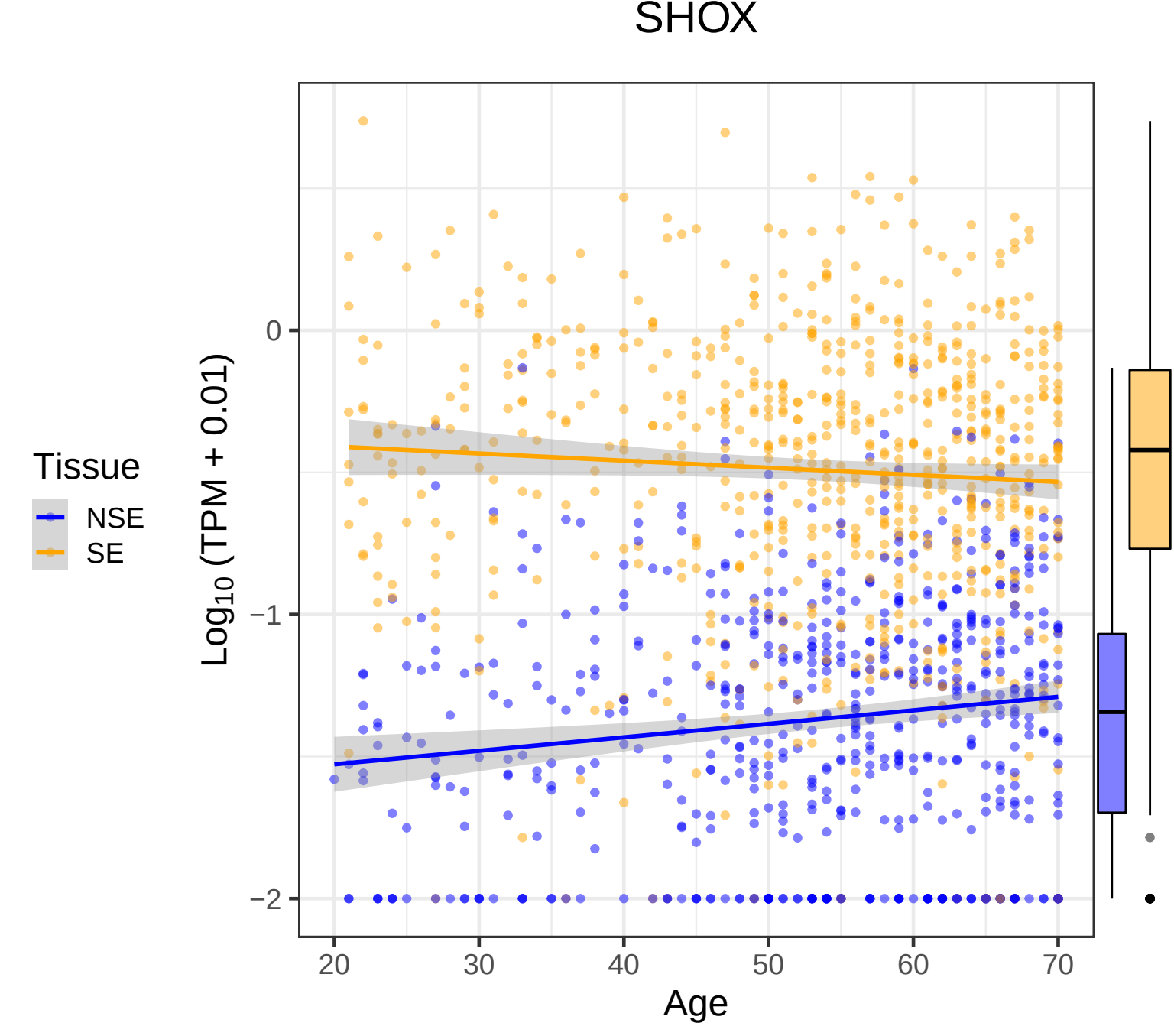

ZIC1
Tissue
NSE
SE
Log10 (TPM + 0.01)
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.77759
Age_beta=1.52e−03;Age_FDR=2.57e−01
Tissue_beta=1.07e+00;Tissue_FDR=2.37e−39
Inter_beta=2.38e−03;Inter_FDR=1.83e−01

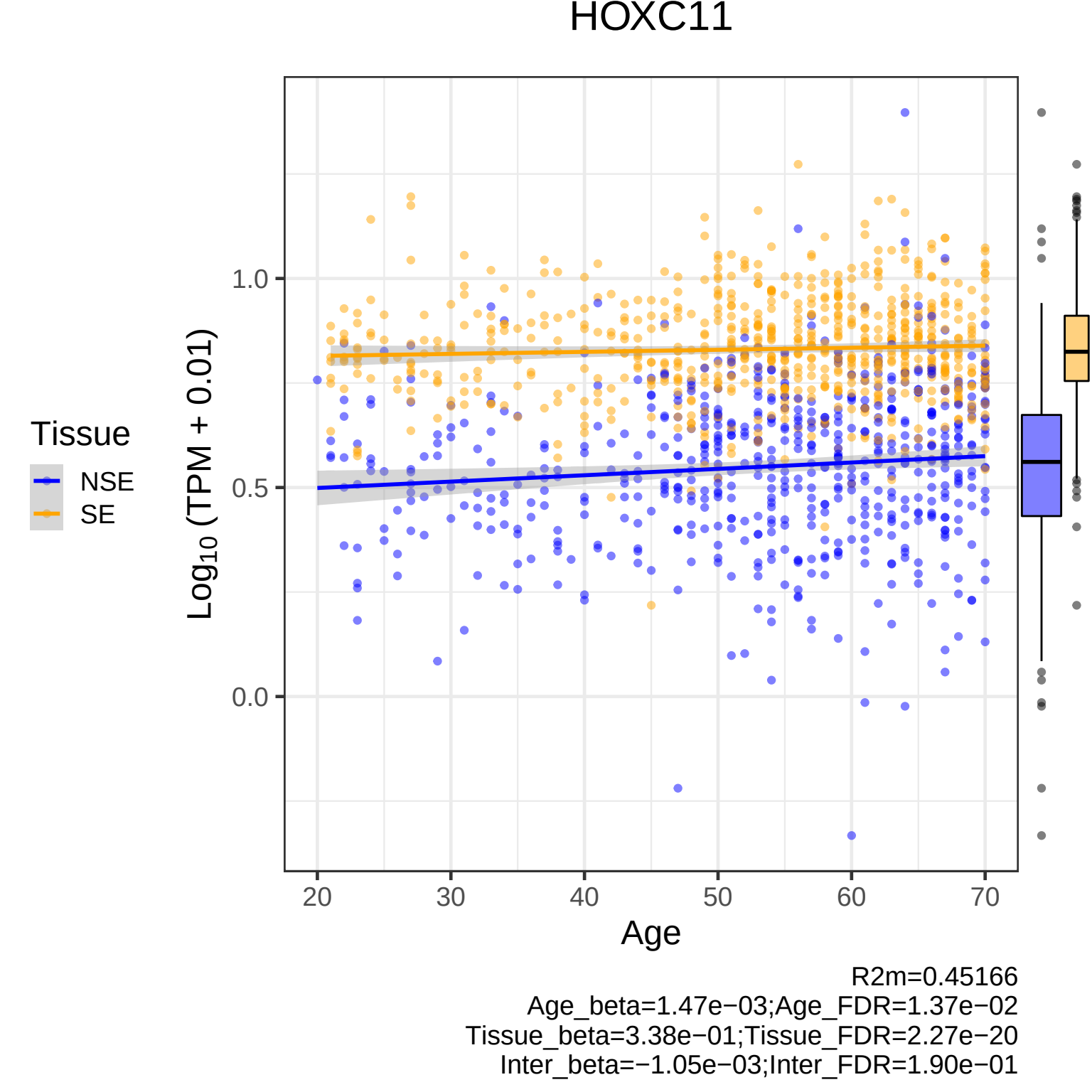

ZIC4
Tissue
NSE
SE
Log10 (TPM + 0.01)
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.76007
Age_beta=1.70e−03;Age_FDR=2.01e−01
Tissue_beta=1.00e+00;Tissue_FDR=1.44e−34
Inter_beta=2.62e−03;Inter_FDR=1.39e−01

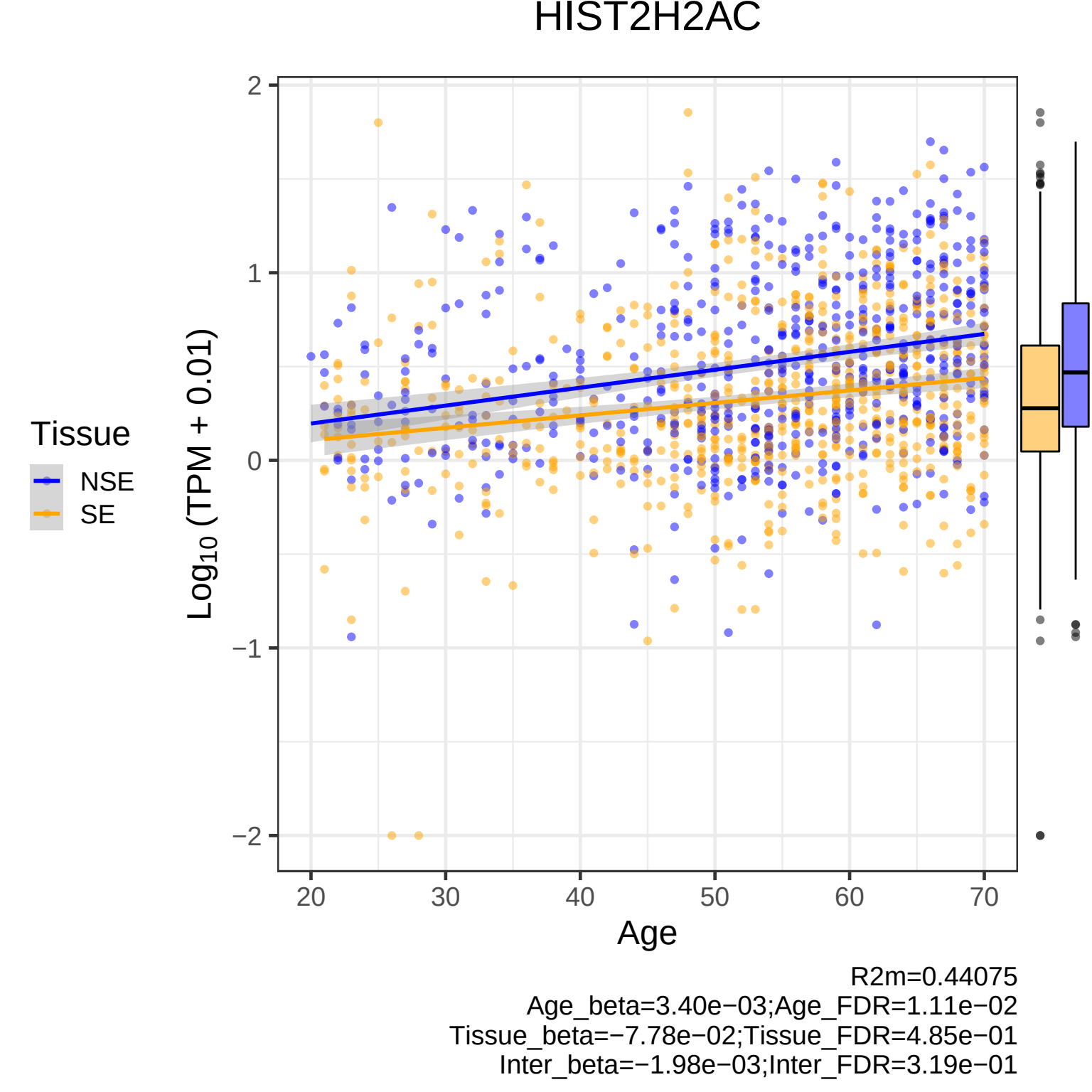

HOXB13
Tissue
NSE
SE
Log10 (TPM + 0.01)
0.5
0.0
−0.5
−1.0
−1.5
−2.0
20
30
40
50
60
70
Age
R2m=0.66481
Age_beta=1.26e−03;Age_FDR=4.79e−01
Tissue_beta=9.61e−01;Tissue_FDR=5.32e−21
Inter_beta=2.83e−03;Inter_FDR=2.12e−01

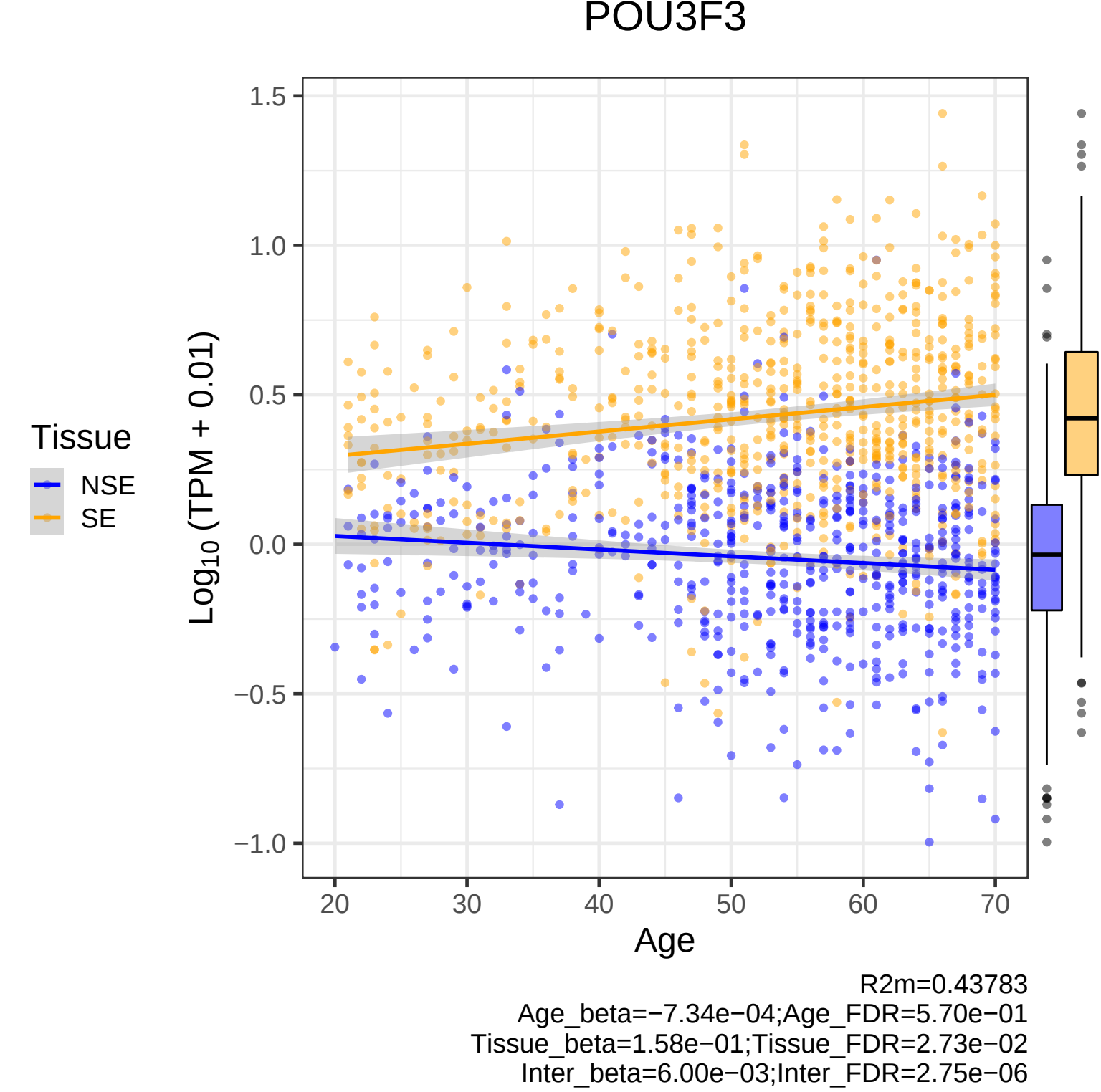

PRAC2
Tissue
NSE
SE
Log10 (TPM + 0.01)
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.59507
Age_beta=−2.61e−03;Age_FDR=2.78e−01
Tissue_beta=6.68e−01;Tissue_FDR=9.05e−06
Inter_beta=1.31e−02;Inter_FDR=5.93e−06

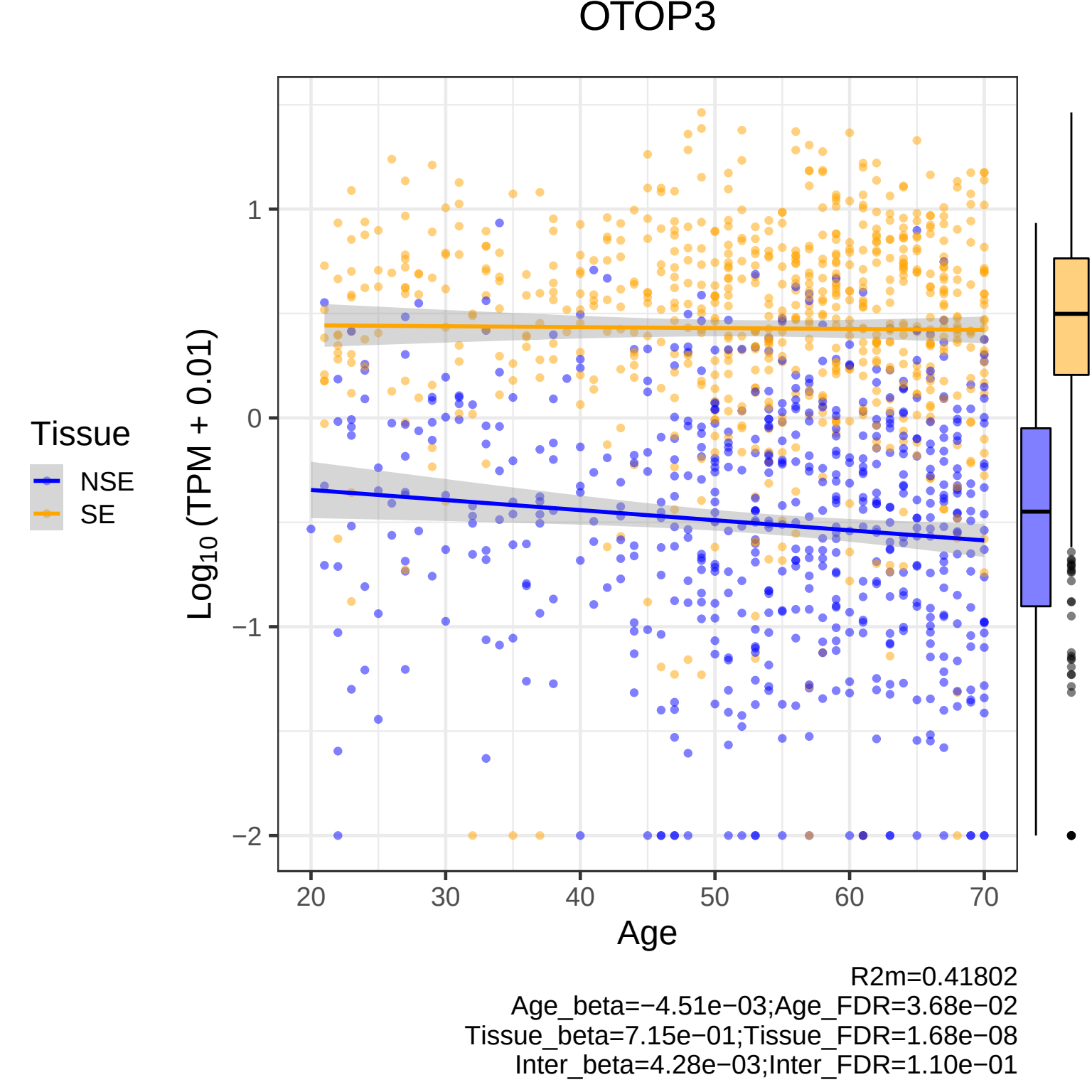

MAB21L1
Tissue
NSE
SE
Log10 (TPM + 0.01)
1
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.58
Age_beta=1.22e−03;Age_FDR=4.69e−01
Tissue_beta=−9.53e−01;Tissue_FDR=1.86e−23
Inter_beta=1.27e−03;Inter_FDR=5.95e−01

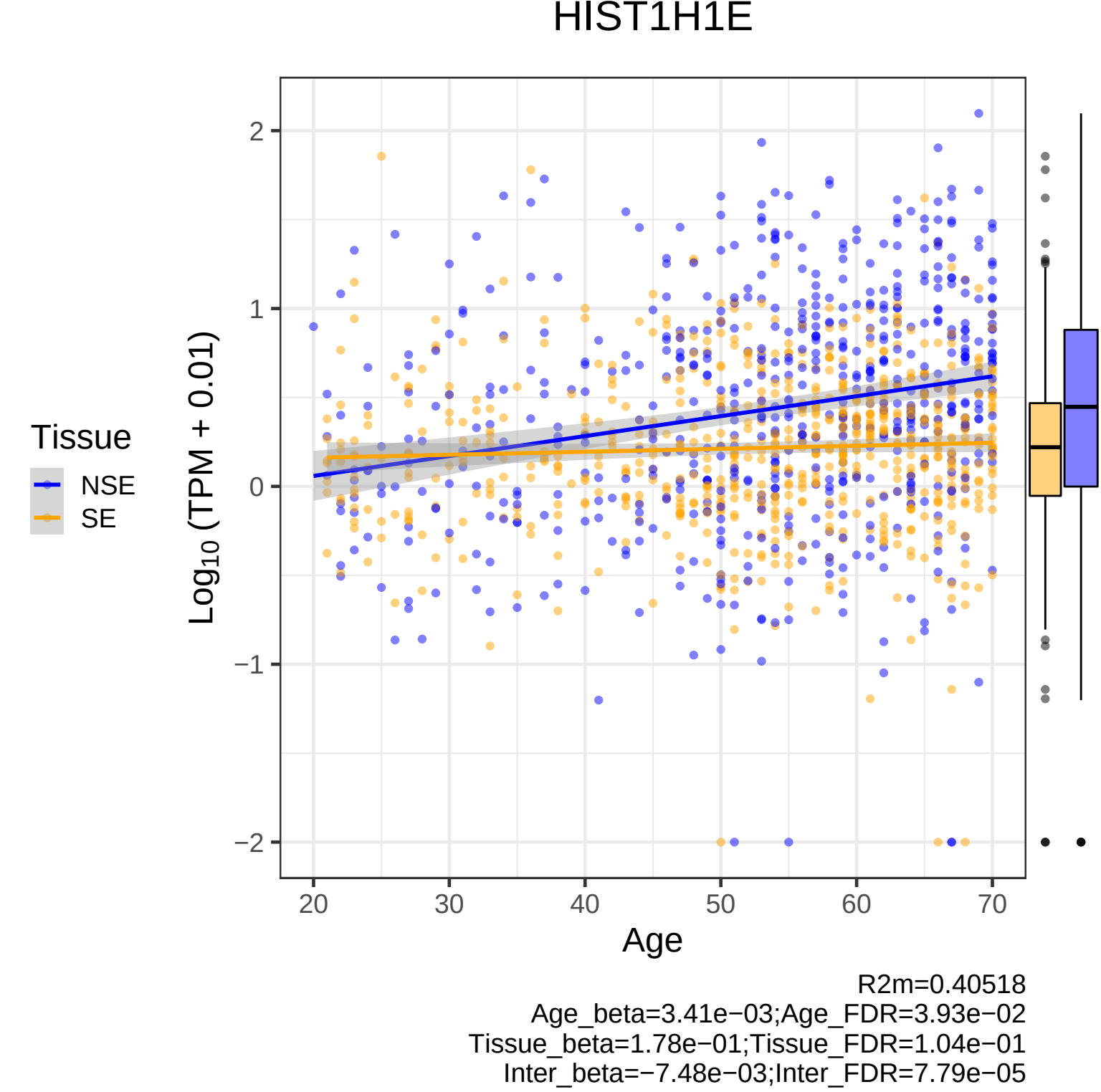

SHOX
Tissue
NSE
SE
Log10 (TPM + 0.01)
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.4662
Age_beta=5.07e−03;Age_FDR=4.23e−03
Tissue_beta=1.27e+00;Tissue_FDR=1.89e−32
Inter_beta=−7.51e−03;Inter_FDR=3.92e−04

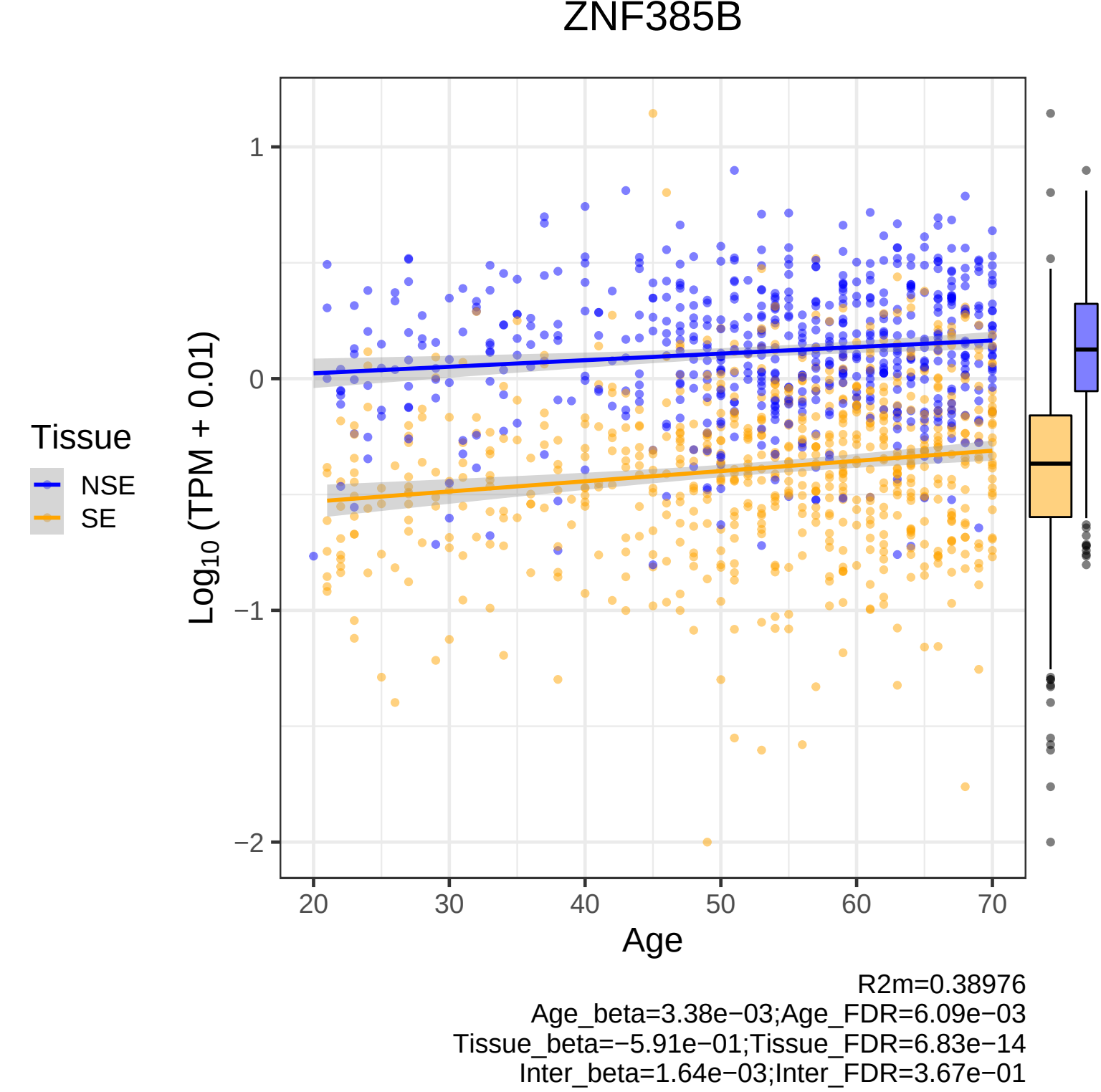

HOXC11
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.0
0.5
0.0
20
30
40
50
60
70
Age
R2m=0.45166
Age_beta=1.47e−03;Age_FDR=1.37e−02
Tissue_beta=3.38e−01;Tissue_FDR=2.27e−20
Inter_beta=−1.05e−03;Inter_FDR=1.90e−01

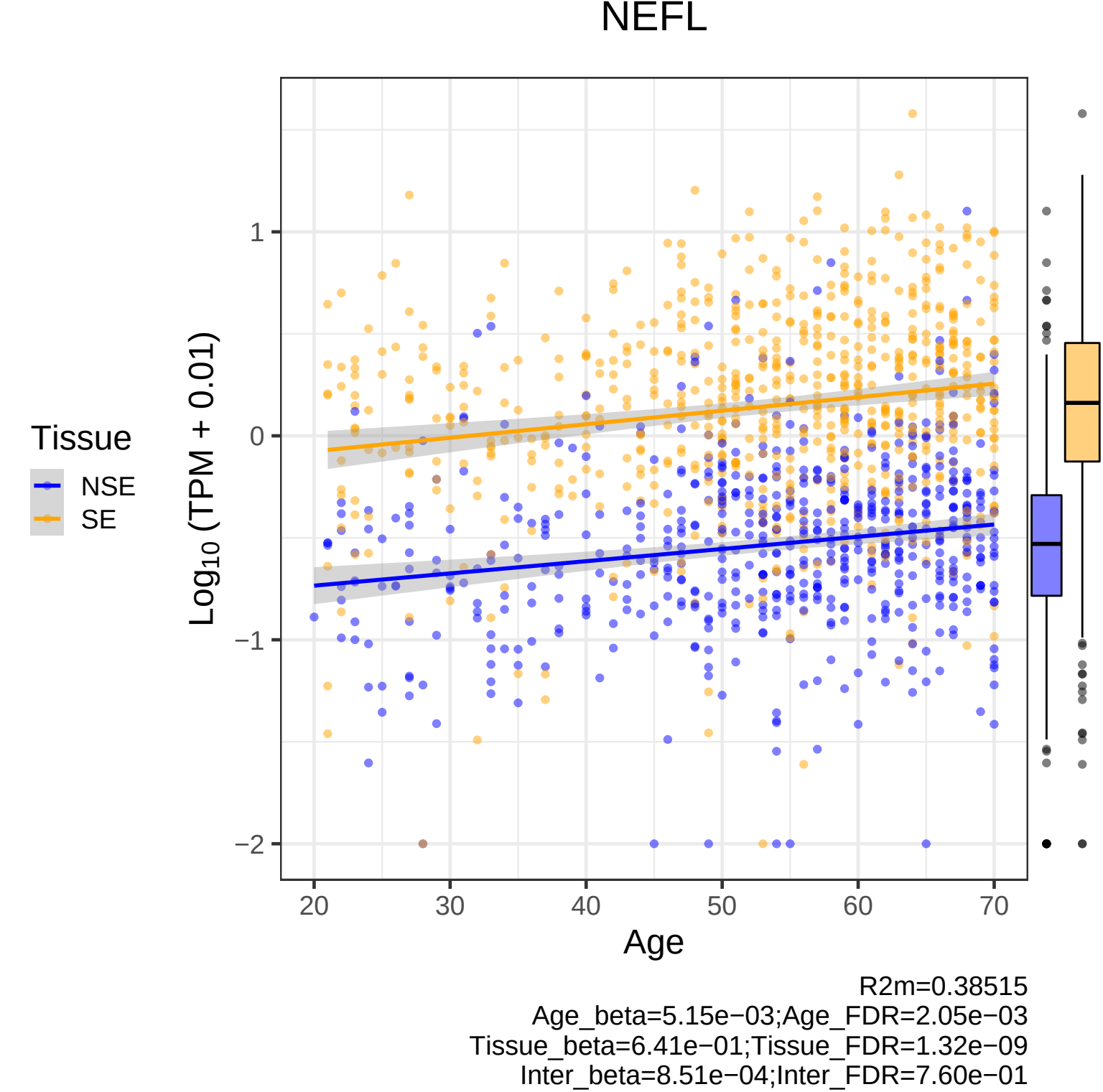

HIST2H2AC
Tissue
NSE
SE
Log10 (TPM + 0.01)
2
1
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.44075
Age_beta=3.40e−03;Age_FDR=1.11e−02
Tissue_beta=−7.78e−02;Tissue_FDR=4.85e−01
Inter_beta=−1.98e−03;Inter_FDR=3.19e−01

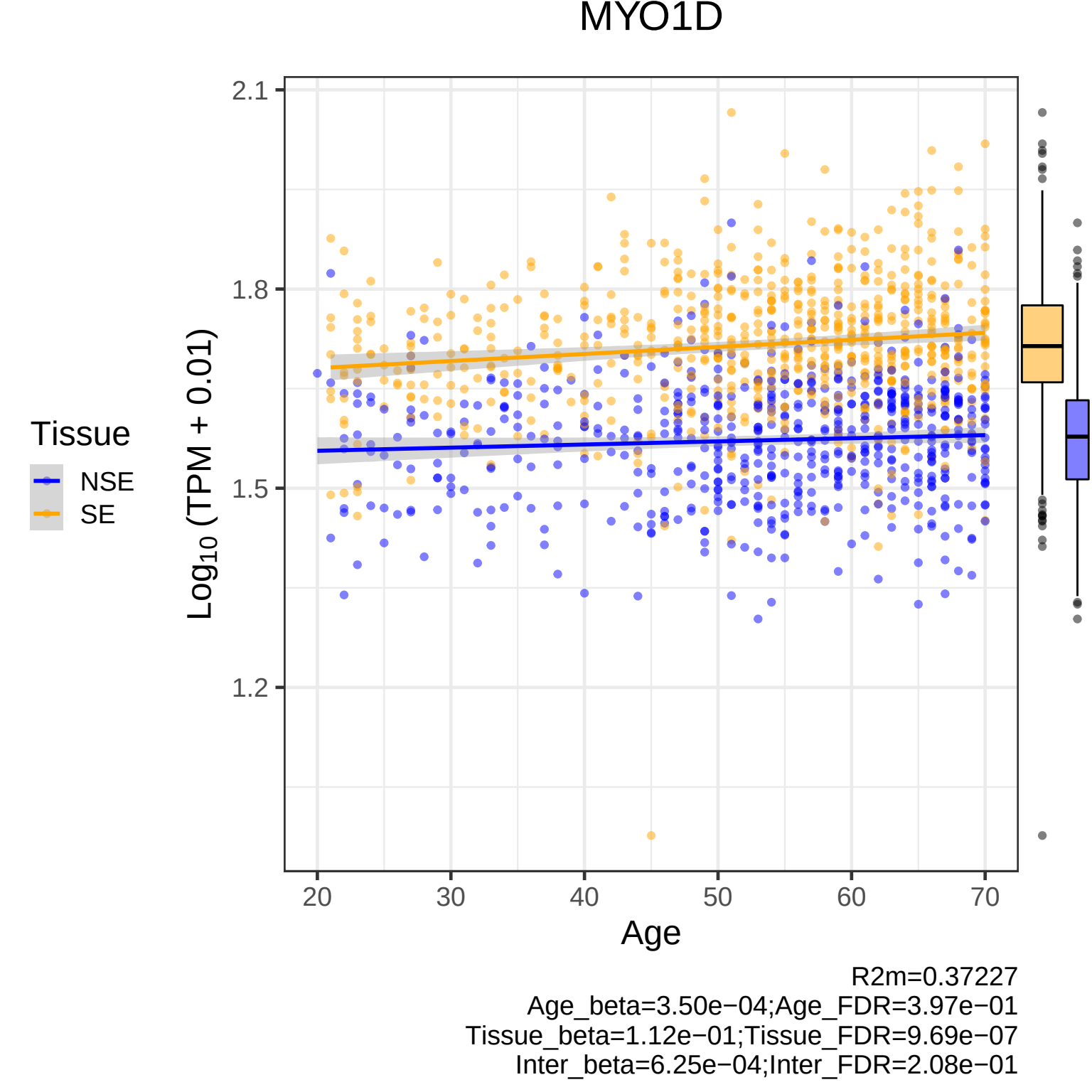

POU3F3
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.5
1.0
0.5
0.0
−0.5
−1.0
20
30
40
50
60
70
Age
R2m=0.43783
Age_beta=−7.34e−04;Age_FDR=5.70e−01
Tissue_beta=1.58e−01;Tissue_FDR=2.73e−02
Inter_beta=6.00e−03;Inter_FDR=2.75e−06

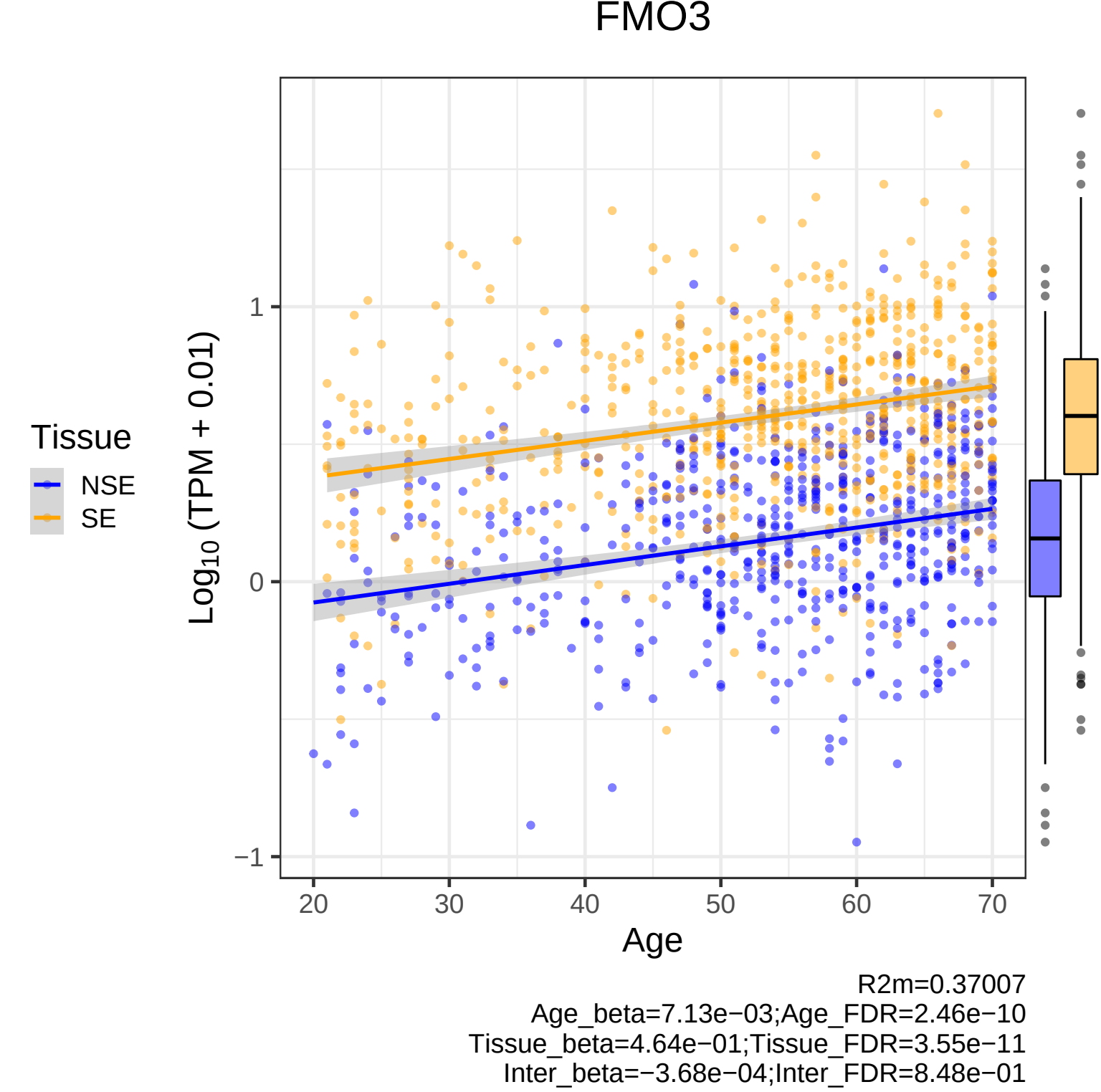

OTOP3
Tissue
NSE
SE
Log10 (TPM + 0.01)
1
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.41802
Age_beta=−4.51e−03;Age_FDR=3.68e−02
Tissue_beta=7.15e−01;Tissue_FDR=1.68e−08
Inter_beta=4.28e−03;Inter_FDR=1.10e−01

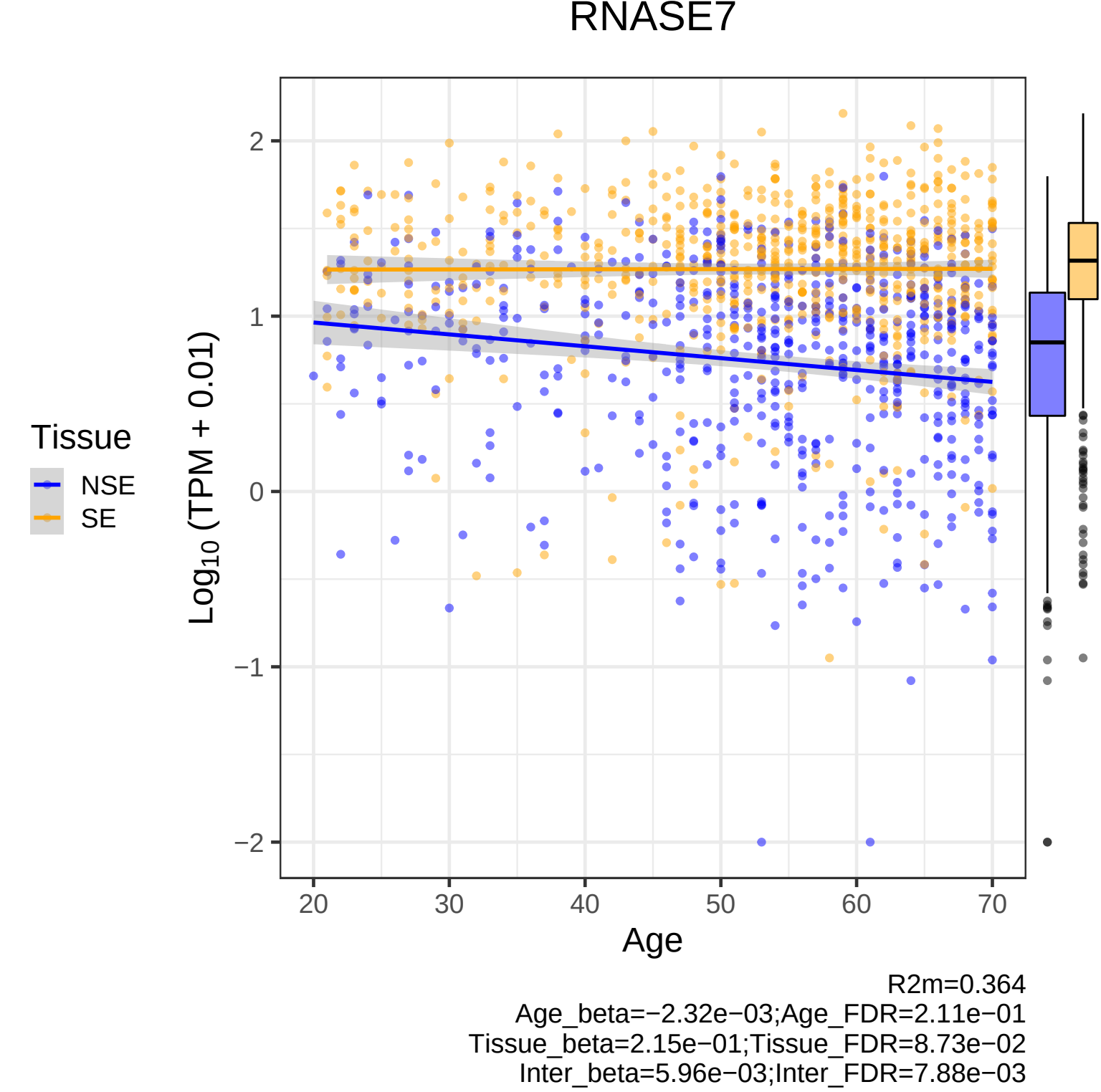

HIST1H1E
Tissue
NSE
SE
Log10 (TPM + 0.01)
2
1
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.40518
Age_beta=3.41e−03;Age_FDR=3.93e−02
Tissue_beta=1.78e−01;Tissue_FDR=1.04e−01
Inter_beta=−7.48e−03;Inter_FDR=7.79e−05

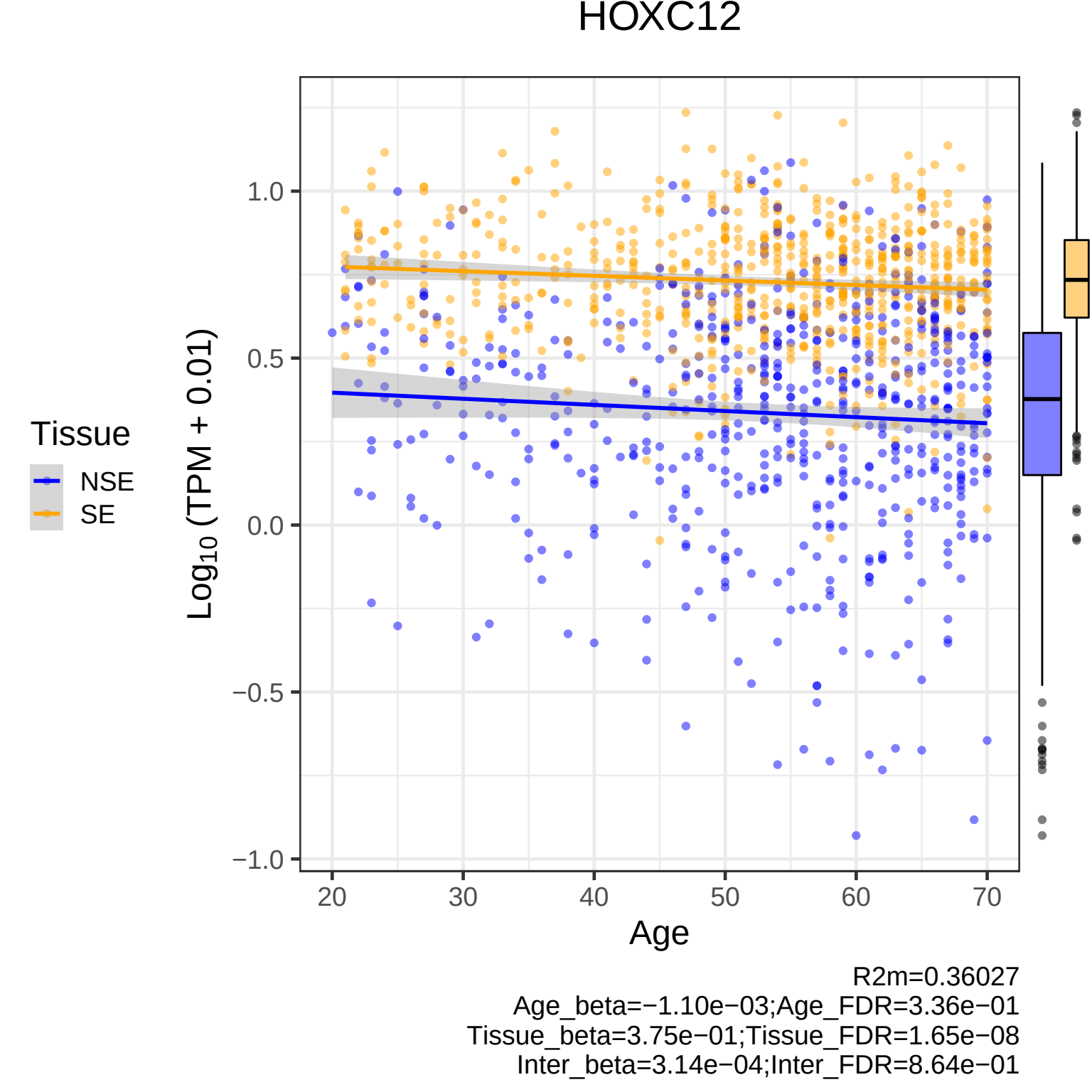

ZNF385B
Tissue
NSE
SE
Log10 (TPM + 0.01)
1
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.38976
Age_beta=3.38e−03;Age_FDR=6.09e−03
Tissue_beta=−5.91e−01;Tissue_FDR=6.83e−14
Inter_beta=1.64e−03;Inter_FDR=3.67e−01

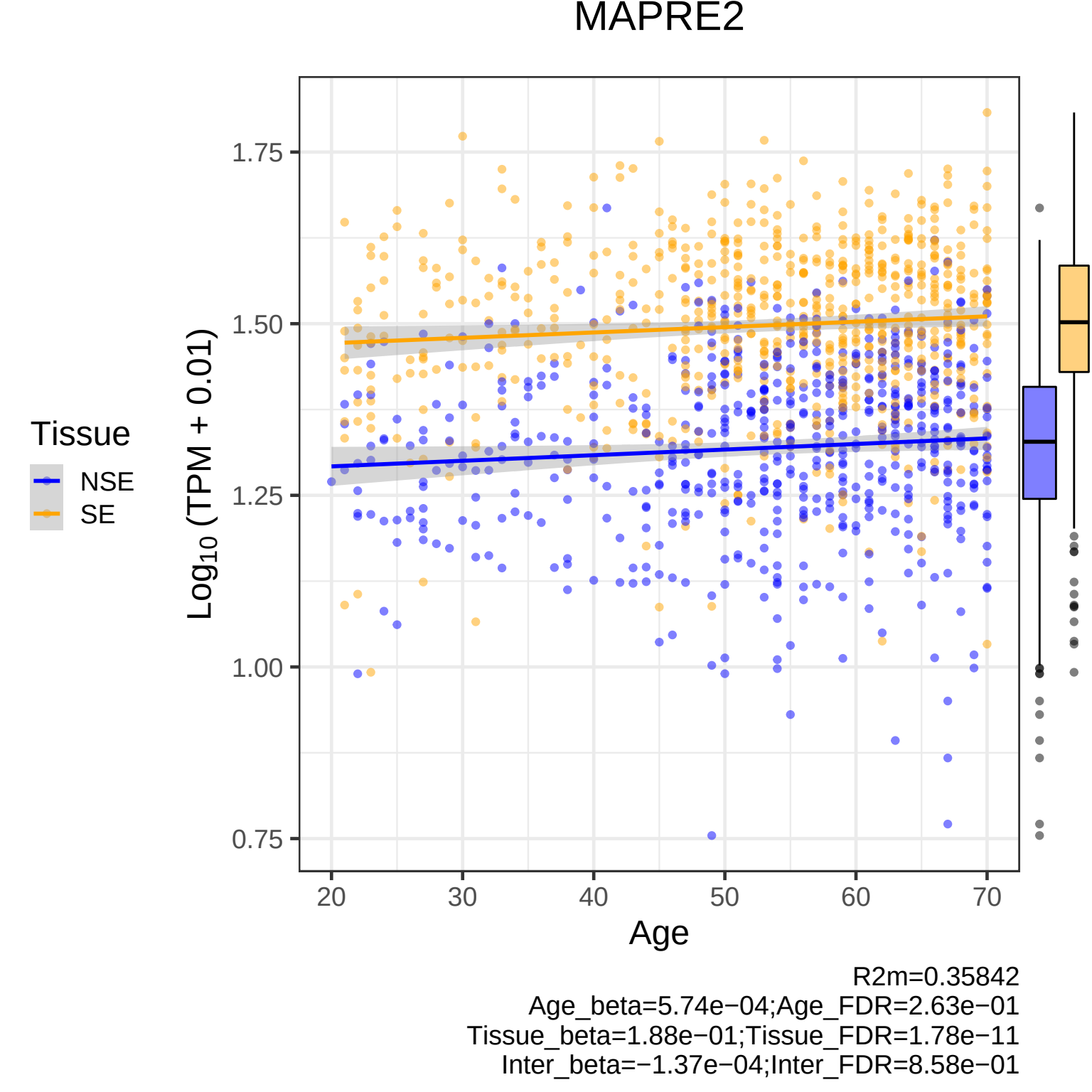

NEFL
Tissue
NSE
SE
Log10 (TPM + 0.01)
1
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.38515
Age_beta=5.15e−03;Age_FDR=2.05e−03
Tissue_beta=6.41e−01;Tissue_FDR=1.32e−09
Inter_beta=8.51e−04;Inter_FDR=7.60e−01

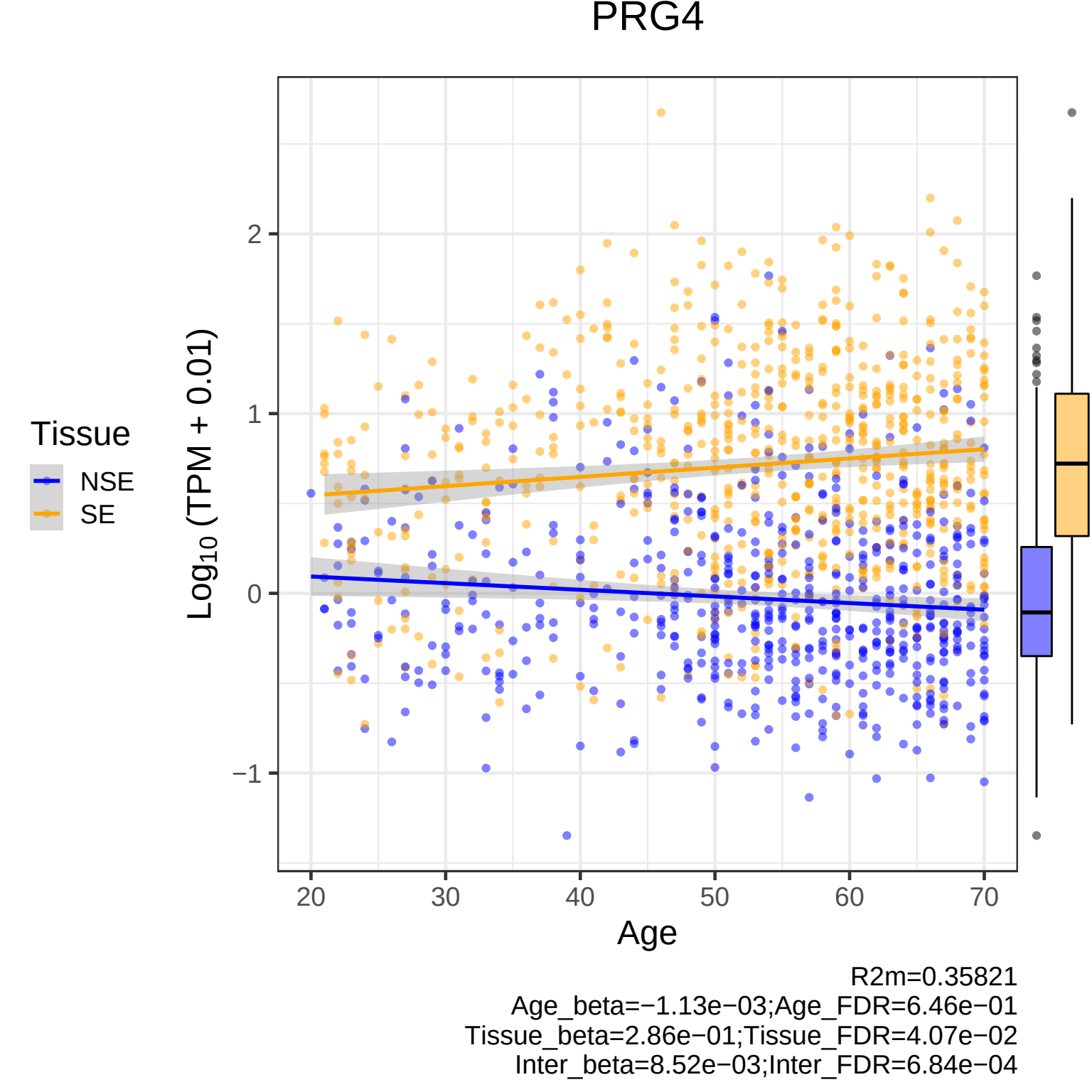

MYO1D
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.1
1.8
1.5
1.2
20
30
40
50
60
70
Age
R2m=0.37227
Age_beta=3.50e−04;Age_FDR=3.97e−01
Tissue_beta=1.12e−01;Tissue_FDR=9.69e−07
Inter_beta=6.25e−04;Inter_FDR=2.08e−01

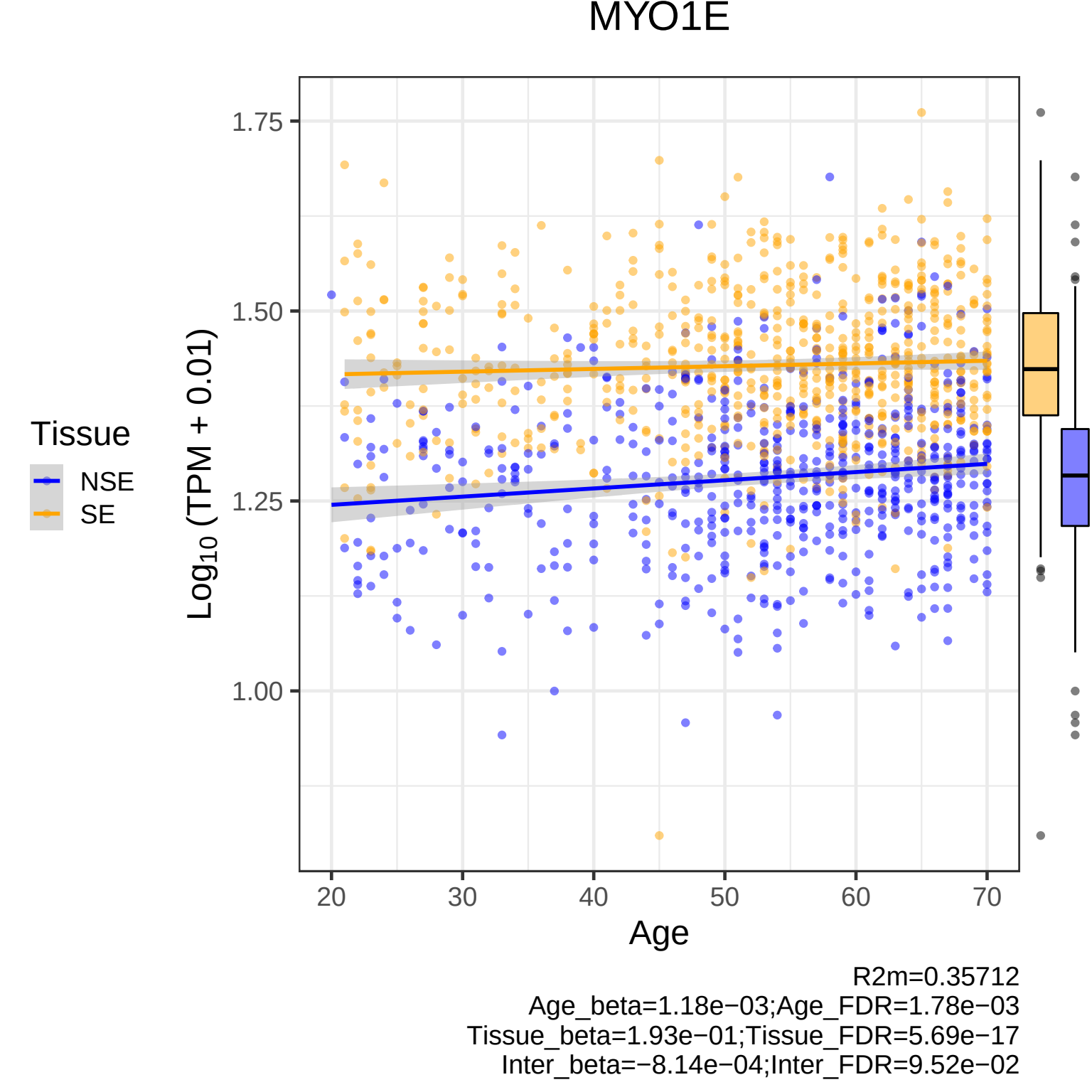

FMO3
Tissue
NSE
SE
Log10 (TPM + 0.01)
1
0
−1
20
30
40
50
60
70
Age
R2m=0.37007
Age_beta=7.13e−03;Age_FDR=2.46e−10
Tissue_beta=4.64e−01;Tissue_FDR=3.55e−11
Inter_beta=−3.68e−04;Inter_FDR=8.48e−01

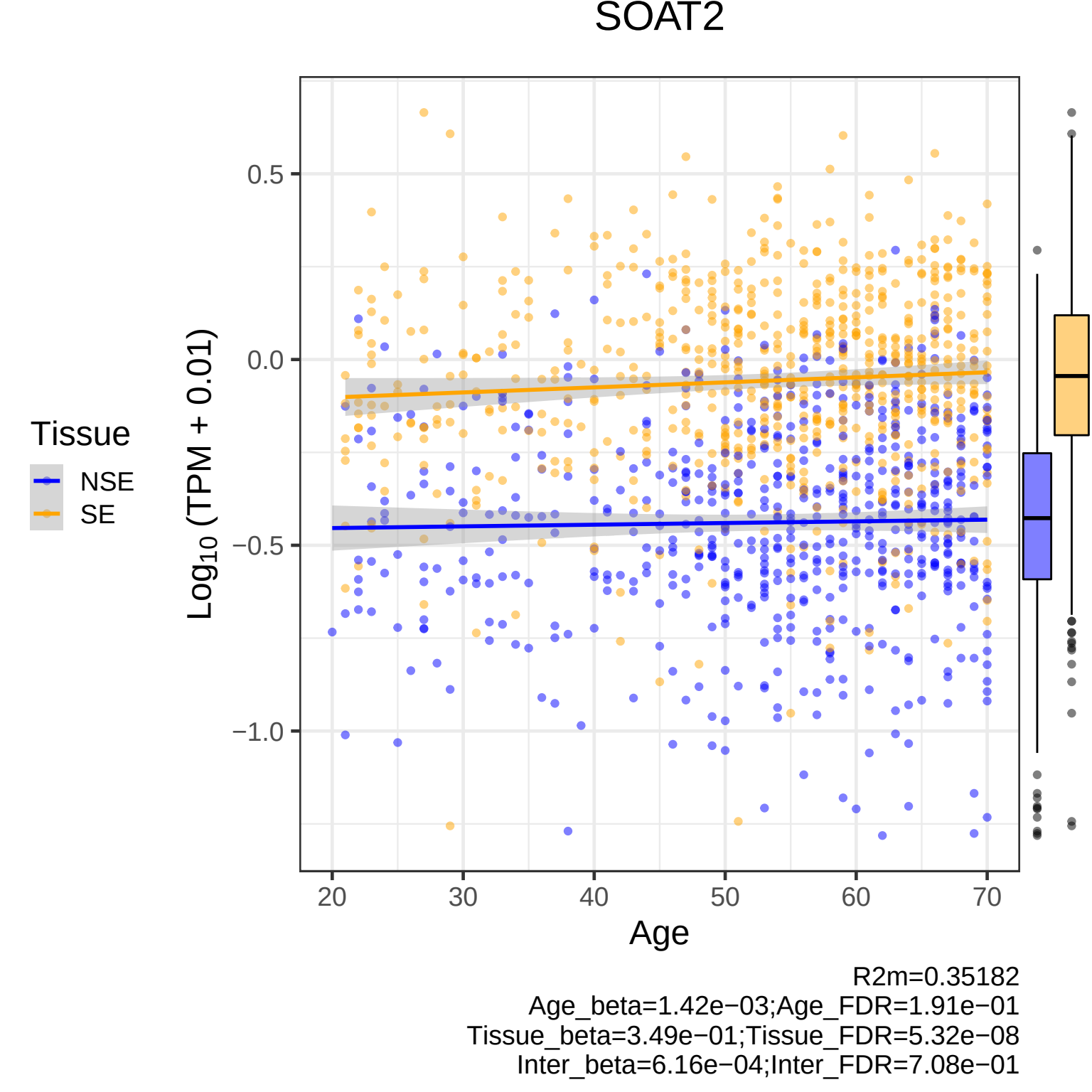

RNASE7
Tissue
NSE
SE
Log10 (TPM + 0.01)
2
1
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.364
Age_beta=−2.32e−03;Age_FDR=2.11e−01
Tissue_beta=2.15e−01;Tissue_FDR=8.73e−02
Inter_beta=5.96e−03;Inter_FDR=7.88e−03

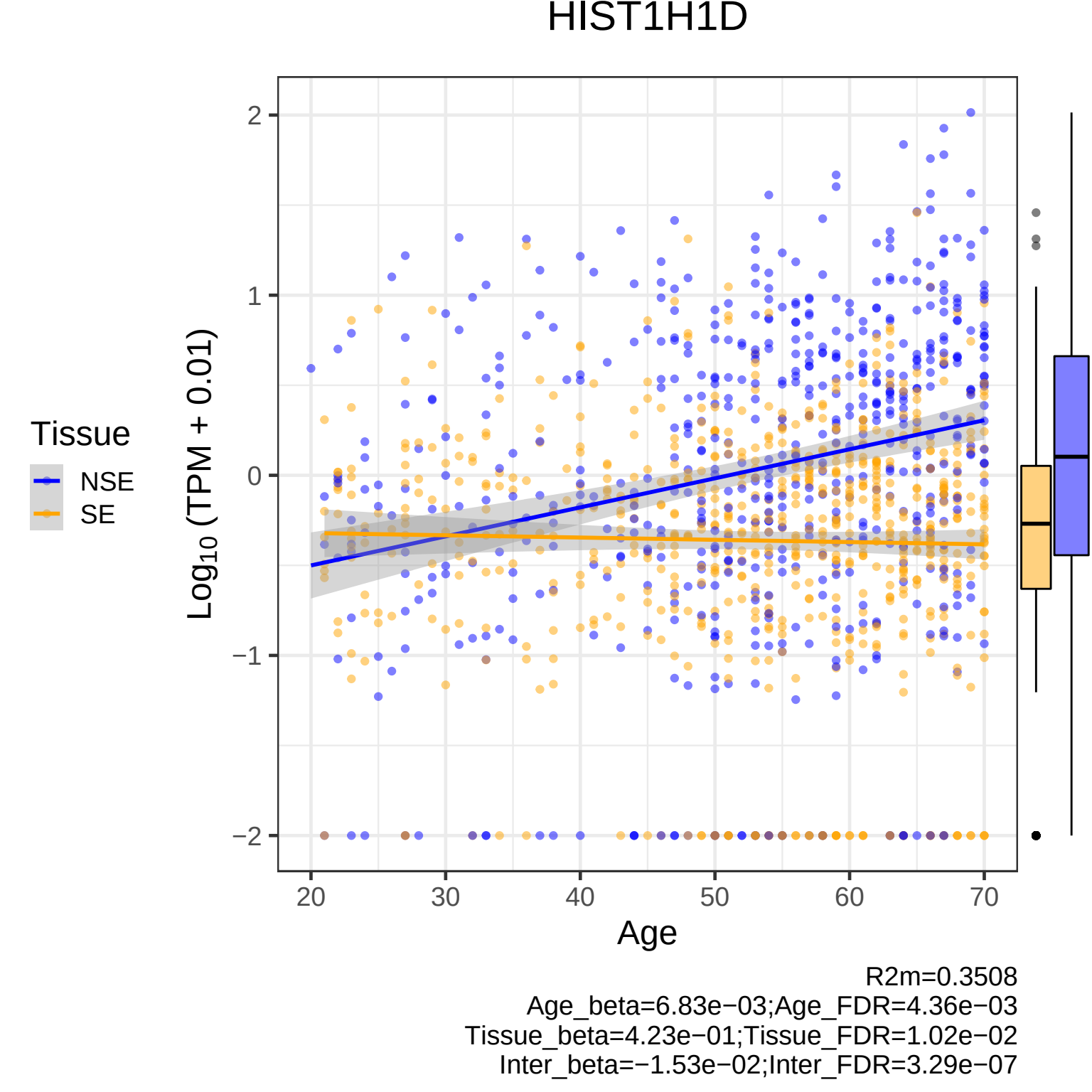

HOXC12
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.0
0.5
0.0
−0.5
−1.0
20
30
40
50
60
70
Age
R2m=0.36027
Age_beta=−1.10e−03;Age_FDR=3.36e−01
Tissue_beta=3.75e−01;Tissue_FDR=1.65e−08
Inter_beta=3.14e−04;Inter_FDR=8.64e−01

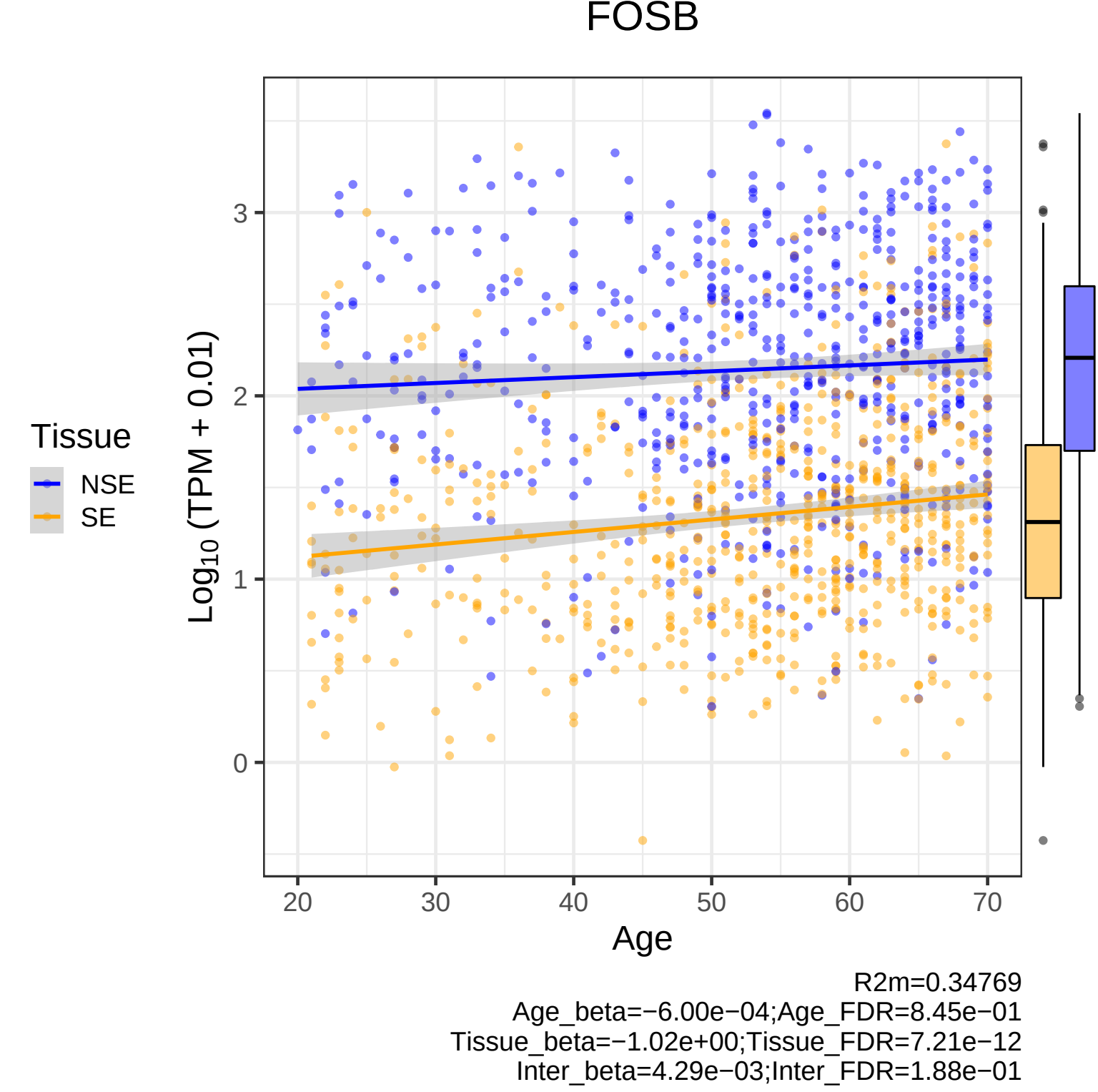

MAPRE2
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.75
1.50
1.25
1.00
0.75
20
30
40
50
60
70
Age
R2m=0.35842
Age_beta=5.74e−04;Age_FDR=2.63e−01
Tissue_beta=1.88e−01;Tissue_FDR=1.78e−11
Inter_beta=−1.37e−04;Inter_FDR=8.58e−01

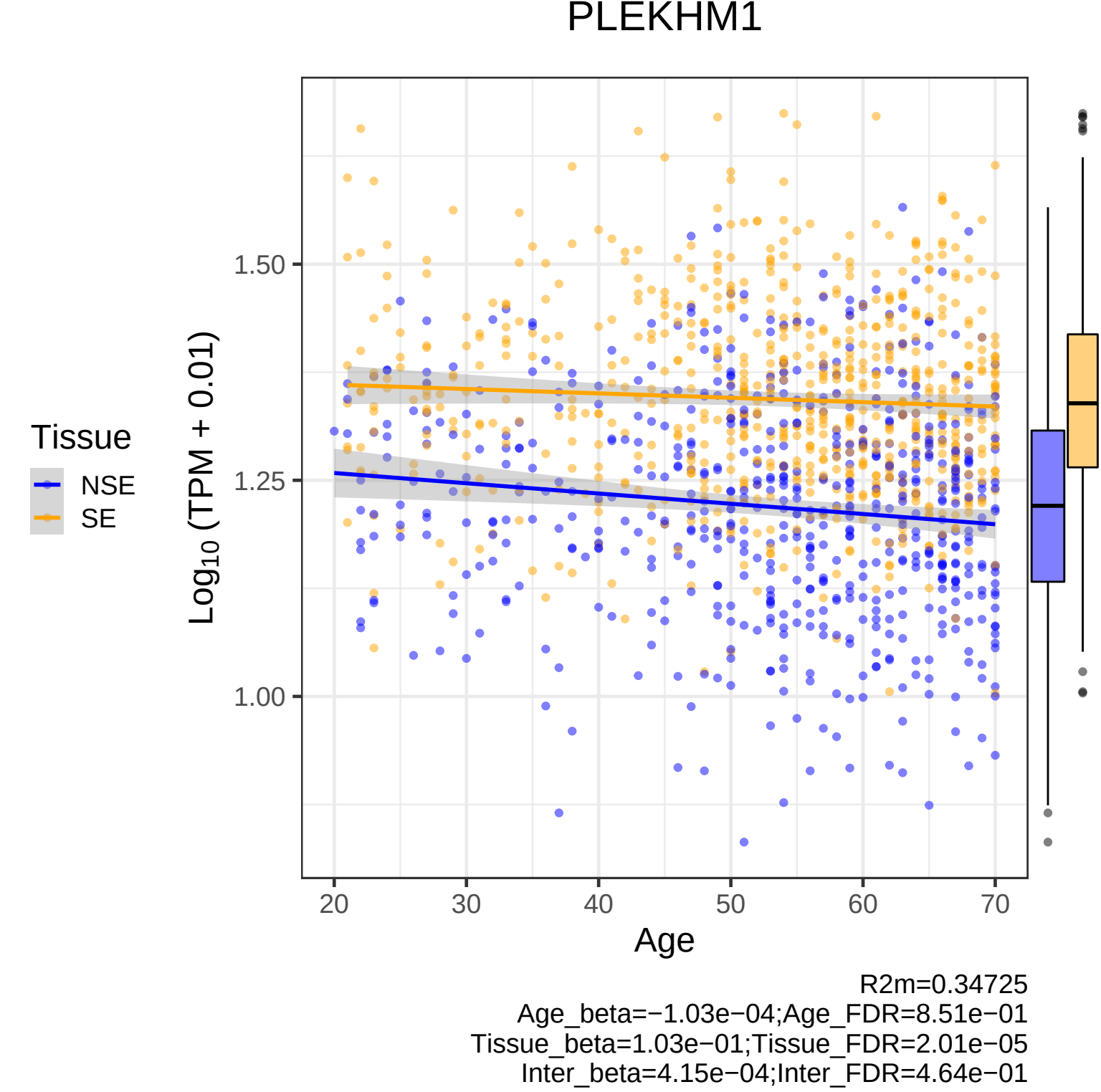

PRG4
Tissue
NSE
SE
Log10 (TPM + 0.01)
2
1
0
−1
20
30
40
50
60
70
Age
R2m=0.35821
Age_beta=−1.13e−03;Age_FDR=6.46e−01
Tissue_beta=2.86e−01;Tissue_FDR=4.07e−02
Inter_beta=8.52e−03;Inter_FDR=6.84e−04

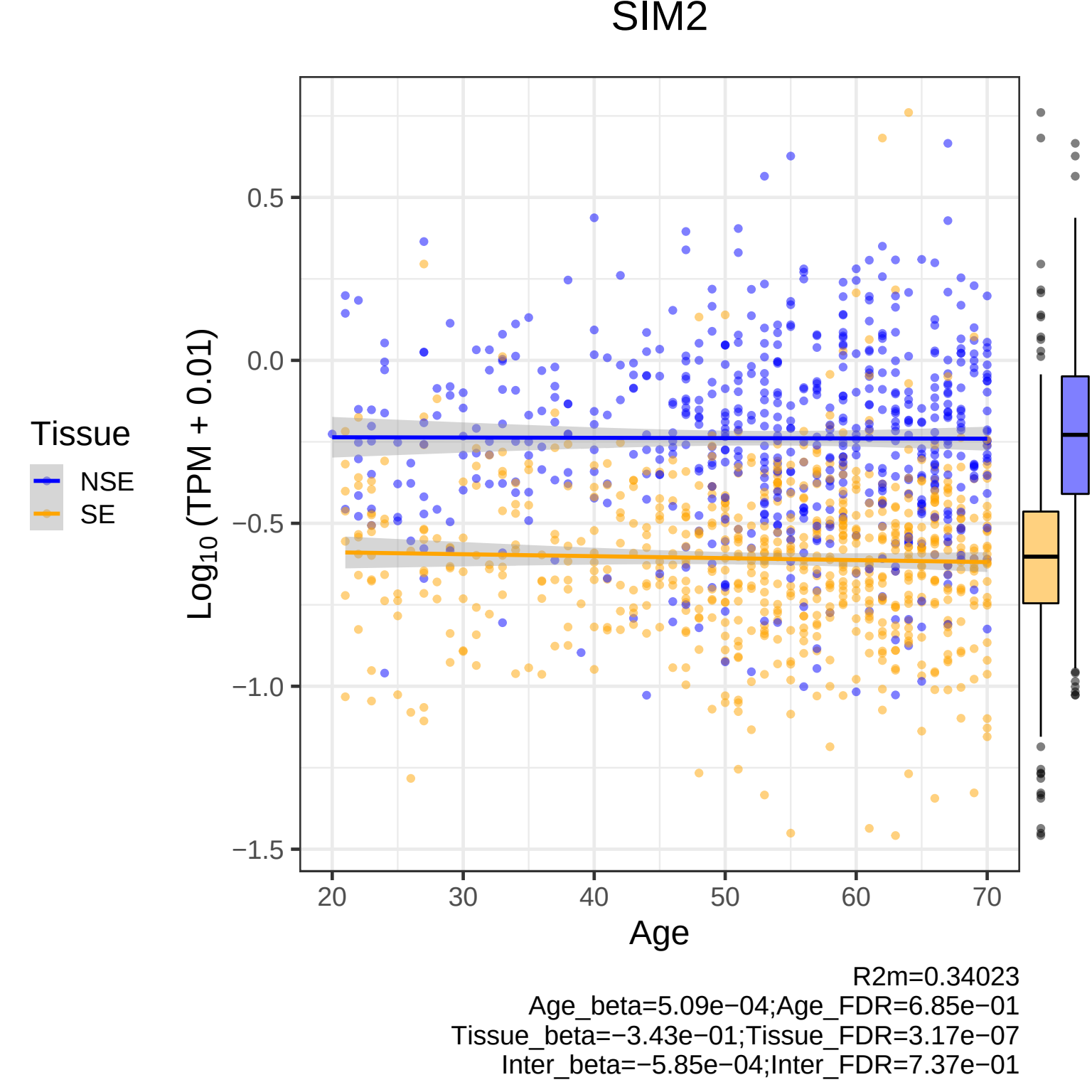

MYO1E
Tissue
NSE
SE
1.75
1.50
1.25
1.00
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.35712
Age_beta=1.18e−03;Age_FDR=1.78e−03
Tissue_beta=1.93e−01;Tissue_FDR=5.69e−17
Inter_beta=−8.14e−04;Inter_FDR=9.52e−02

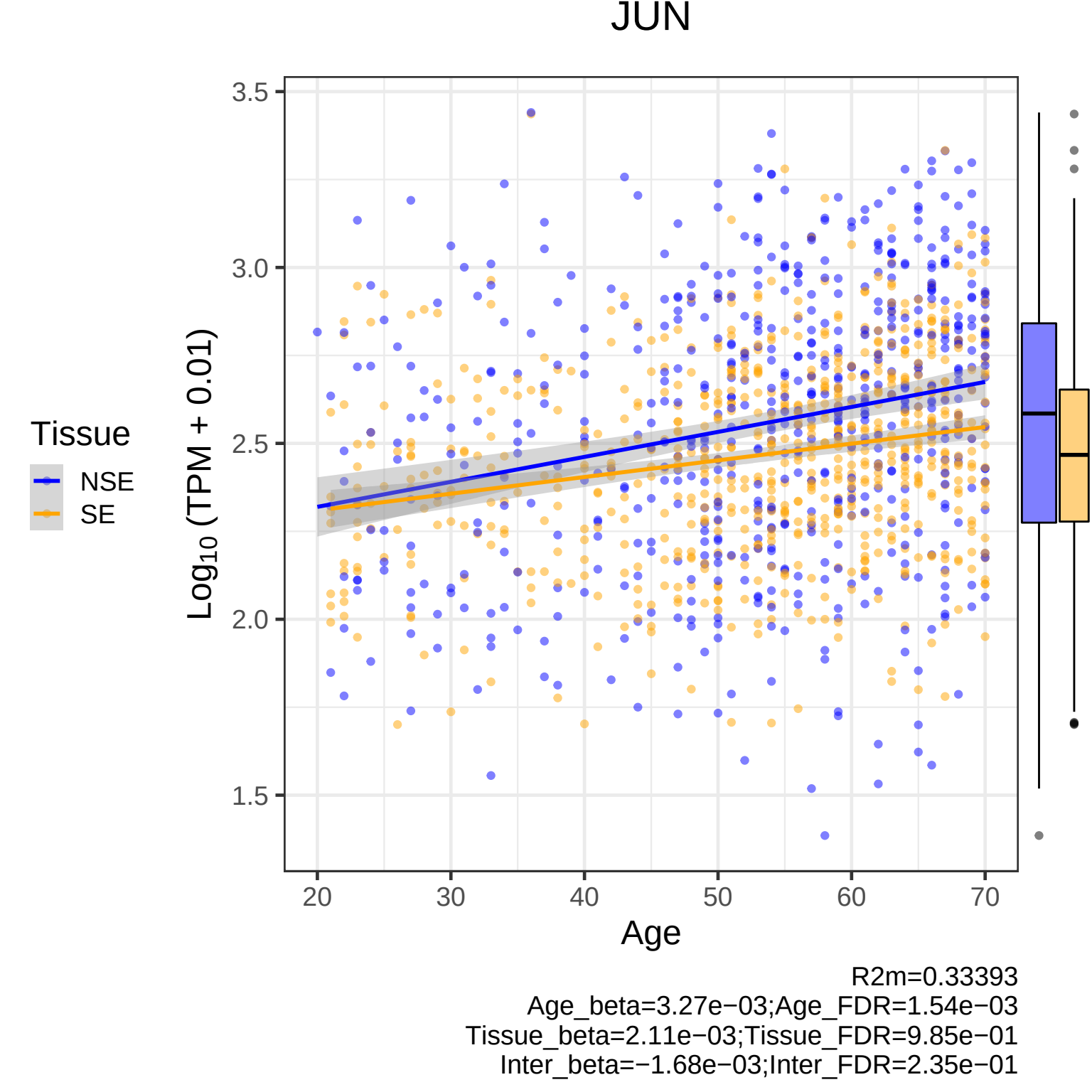

SOAT2
Tissue
NSE
SE
Log10 (TPM + 0.01)
0.5
0.0
−0.5
−1.0
20
30
40
50
60
70
Age
R2m=0.35182
Age_beta=1.42e−03;Age_FDR=1.91e−01
Tissue_beta=3.49e−01;Tissue_FDR=5.32e−08
Inter_beta=6.16e−04;Inter_FDR=7.08e−01

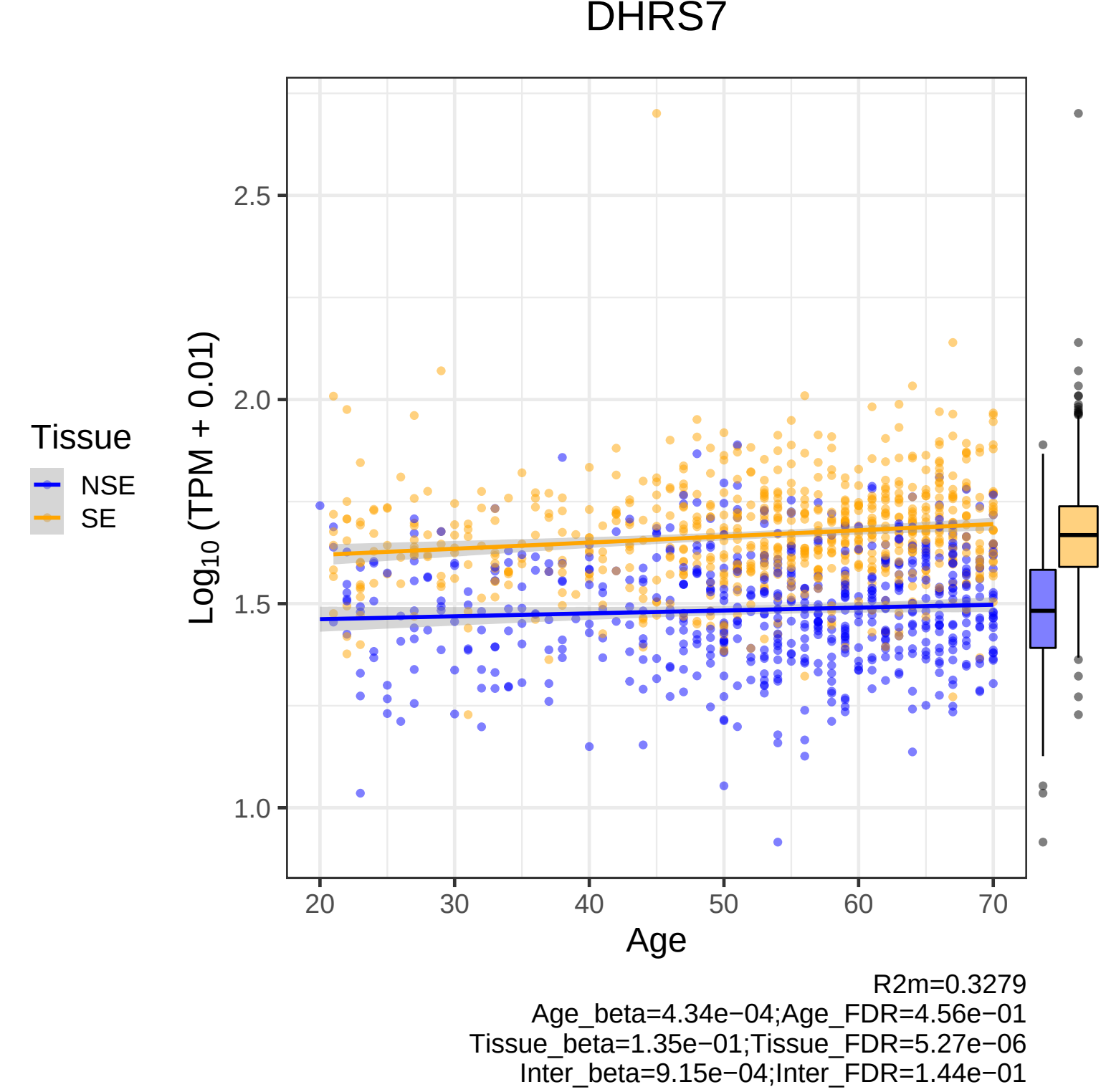

HIST1H1D
Tissue
NSE
SE
Log10 (TPM + 0.01)
2
1
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.3508
Age_beta=6.83e−03;Age_FDR=4.36e−03
Tissue_beta=4.23e−01;Tissue_FDR=1.02e−02
Inter_beta=−1.53e−02;Inter_FDR=3.29e−07

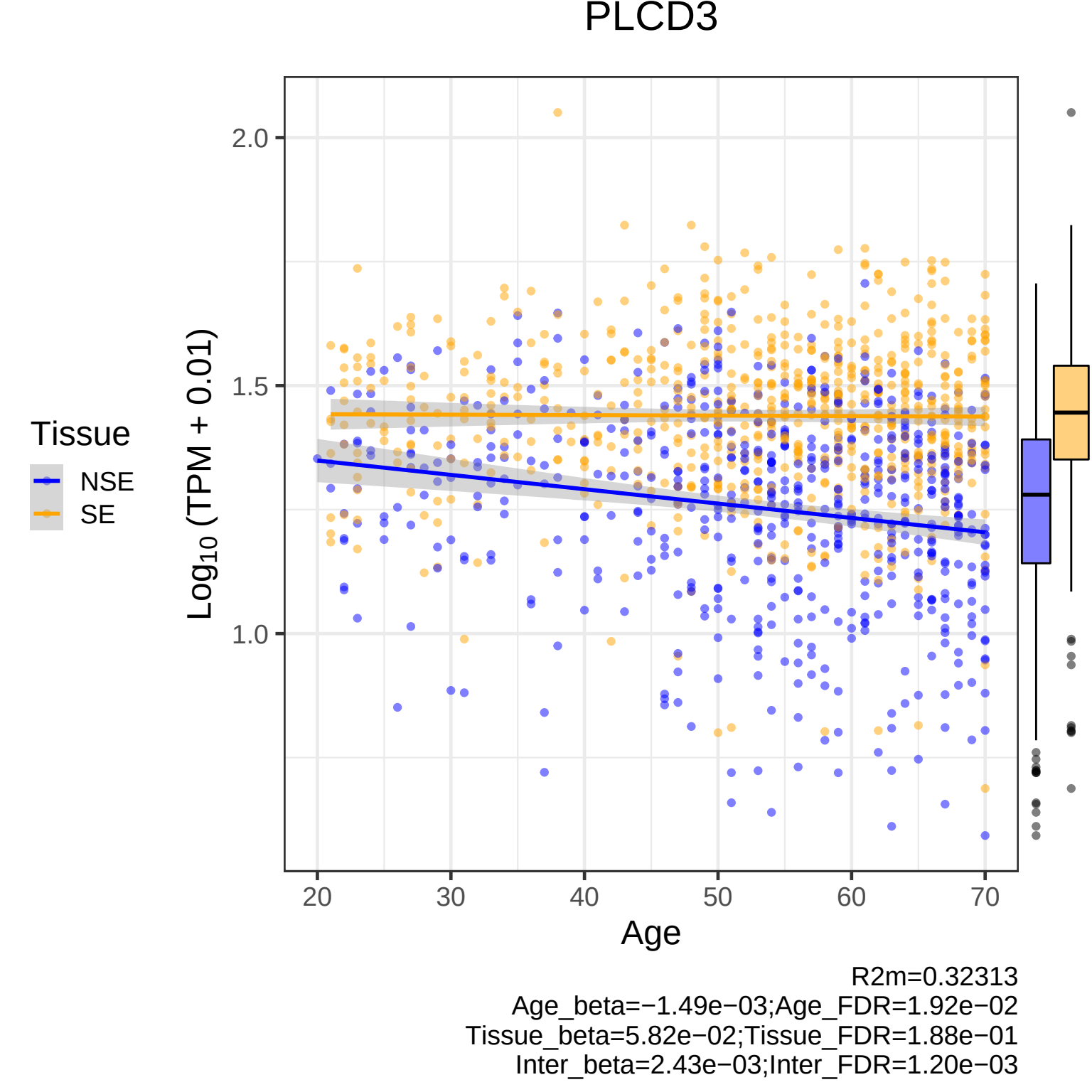

FOSB
Tissue
NSE
SE
Log10 (TPM + 0.01)
0
1
2
3
20
30
40
50
60
70
Age
R2m=0.34769
Age_beta=−6.00e−04;Age_FDR=8.45e−01
Tissue_beta=−1.02e+00;Tissue_FDR=7.21e−12
Inter_beta=4.29e−03;Inter_FDR=1.88e−01

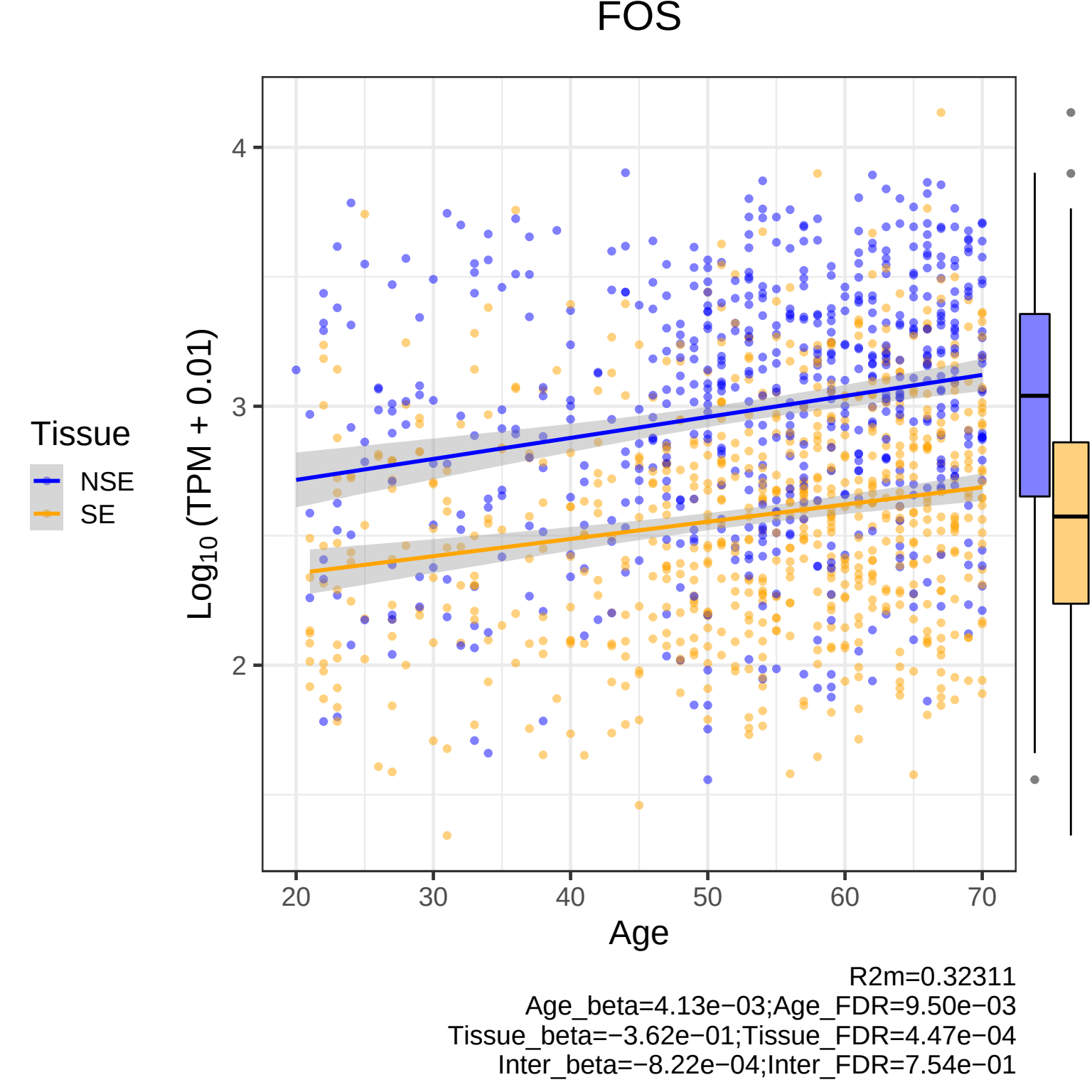

PLEKHM1
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.50
1.25
1.00
20
30
40
50
60
70
Age
R2m=0.34725
Age_beta=−1.03e−04;Age_FDR=8.51e−01
Tissue_beta=1.03e−01;Tissue_FDR=2.01e−05
Inter_beta=4.15e−04;Inter_FDR=4.64e−01

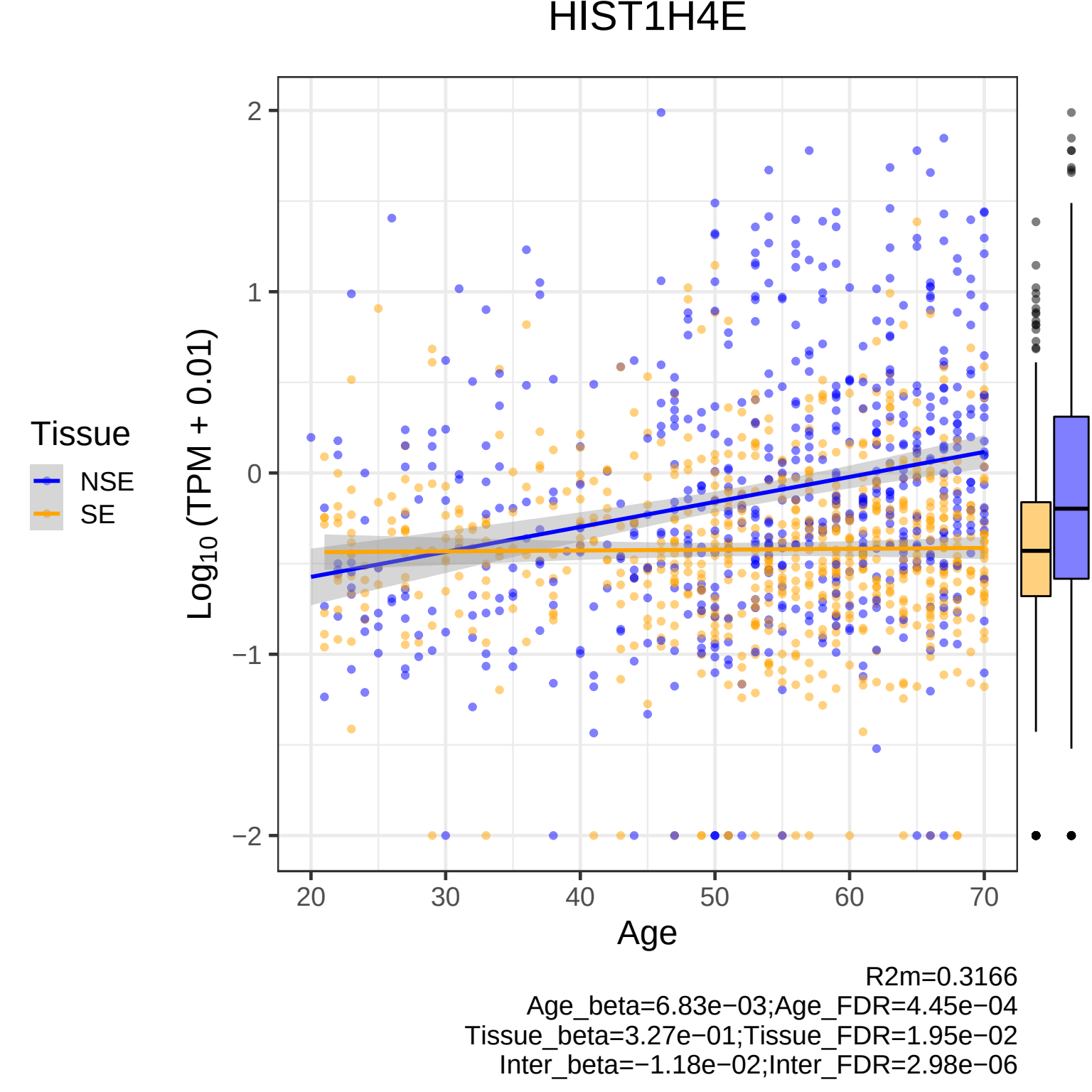

SIM2
Tissue
NSE
SE
Log10 (TPM + 0.01)
0.5
0.0
−0.5
−1.0
−1.5
20
30
40
50
60
70
Age
R2m=0.34023
Age_beta=5.09e−04;Age_FDR=6.85e−01
Tissue_beta=−3.43e−01;Tissue_FDR=3.17e−07
Inter_beta=−5.85e−04;Inter_FDR=7.37e−01

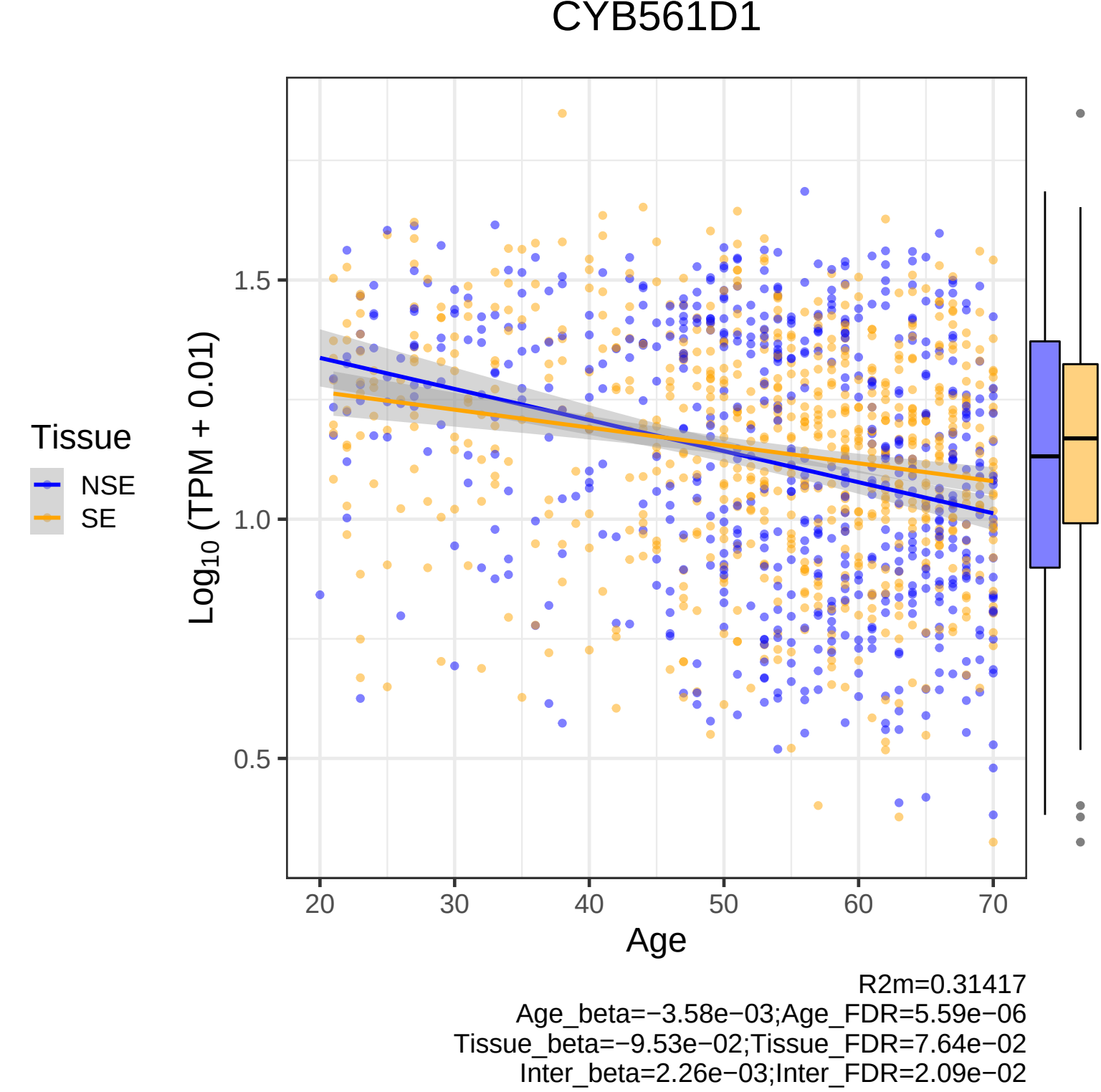

JUN
Tissue
NSE
SE
Log10 (TPM + 0.01)
3.5
3.0
2.5
2.0
1.5
20
30
40
50
60
70
Age
R2m=0.33393
Age_beta=3.27e−03;Age_FDR=1.54e−03
Tissue_beta=2.11e−03;Tissue_FDR=9.85e−01
Inter_beta=−1.68e−03;Inter_FDR=2.35e−01

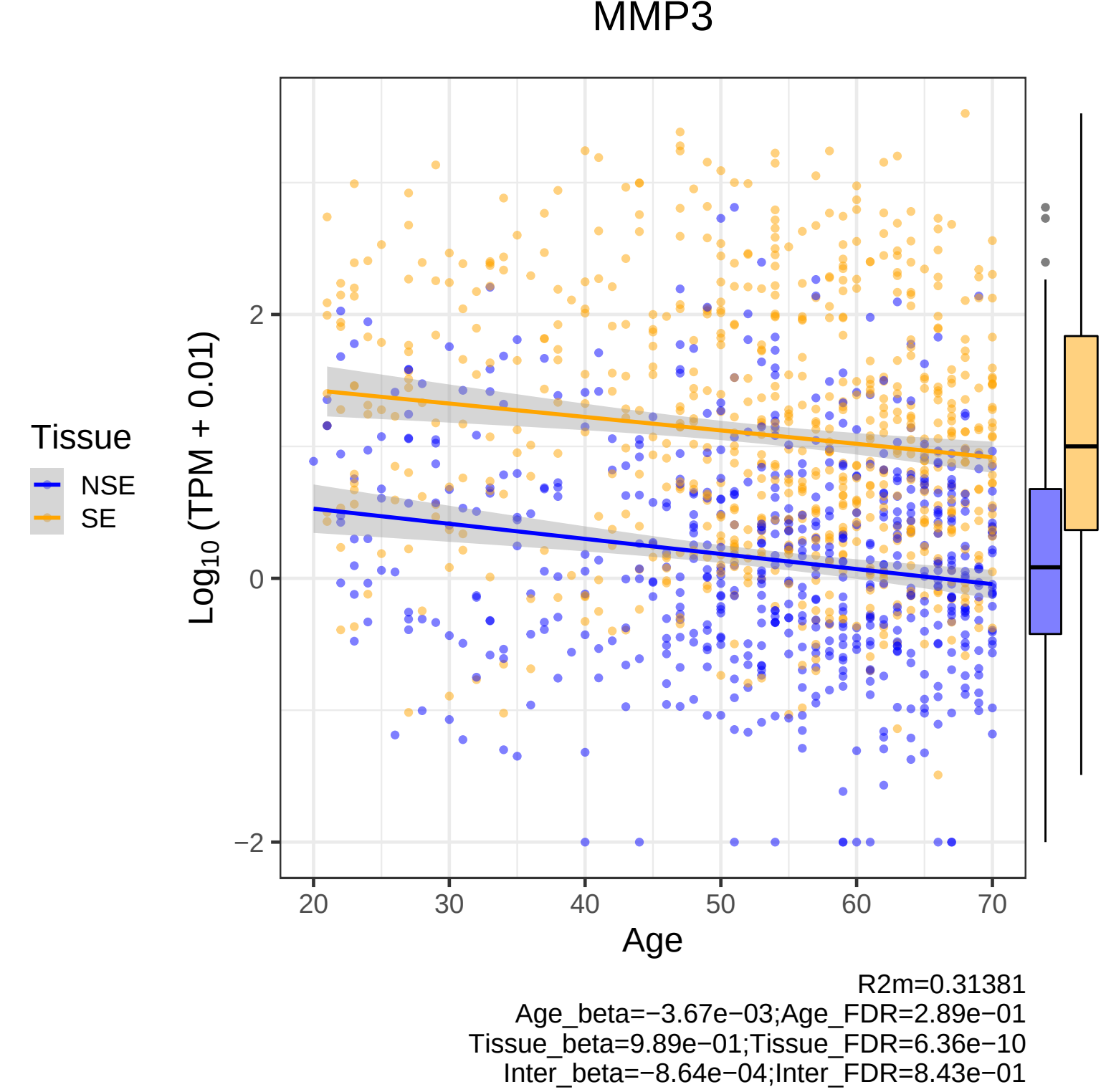

DHRS7
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.5
2.0
1.5
1.0
20
30
40
50
60
70
Age
R2m=0.3279
Age_beta=4.34e−04;Age_FDR=4.56e−01
Tissue_beta=1.35e−01;Tissue_FDR=5.27e−06
Inter_beta=9.15e−04;Inter_FDR=1.44e−01

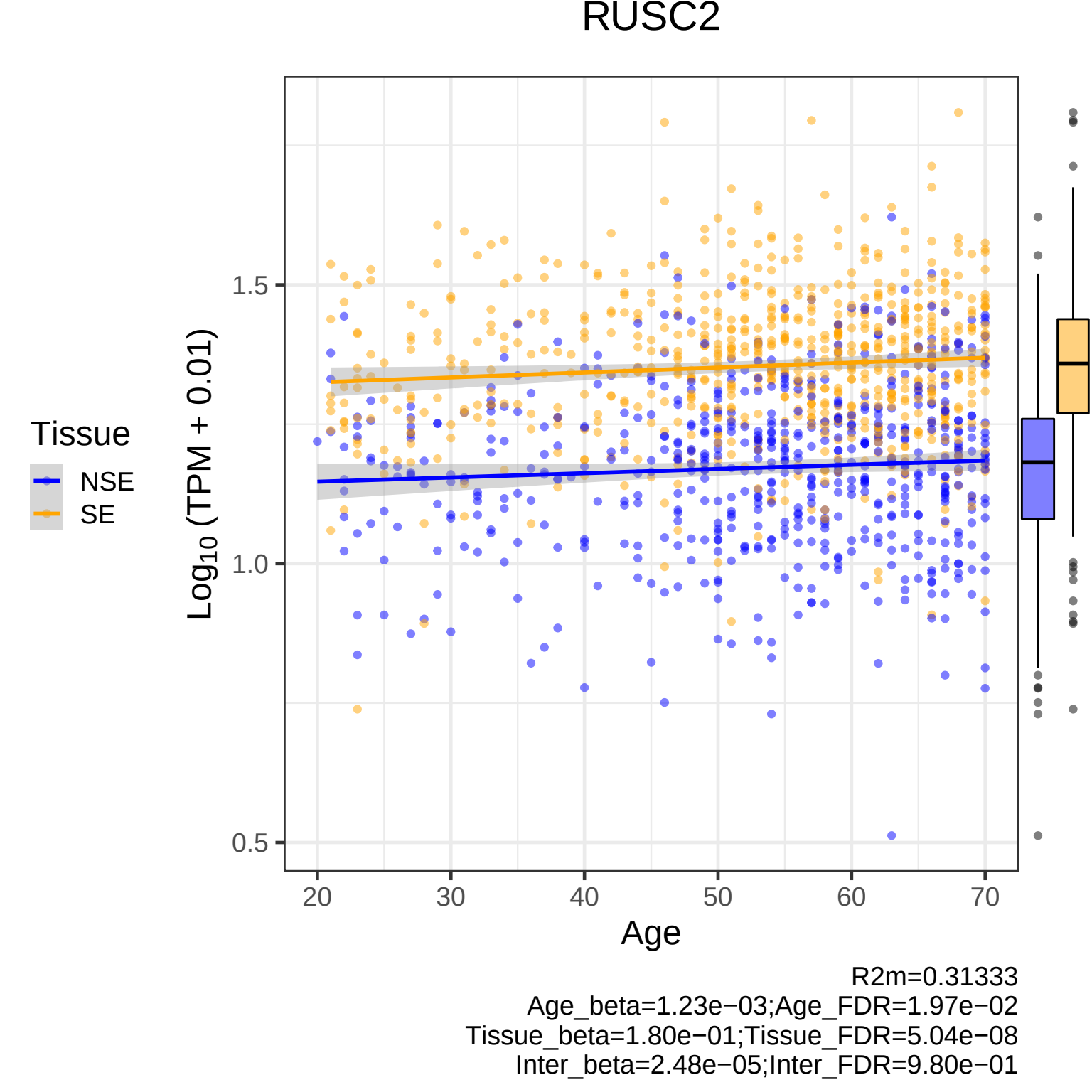

PLCD3
Tissue
NSE
SE
2.0
1.5
1.0
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.32313
Age_beta=−1.49e−03;Age_FDR=1.92e−02
Tissue_beta=5.82e−02;Tissue_FDR=1.88e−01
Inter_beta=2.43e−03;Inter_FDR=1.20e−03

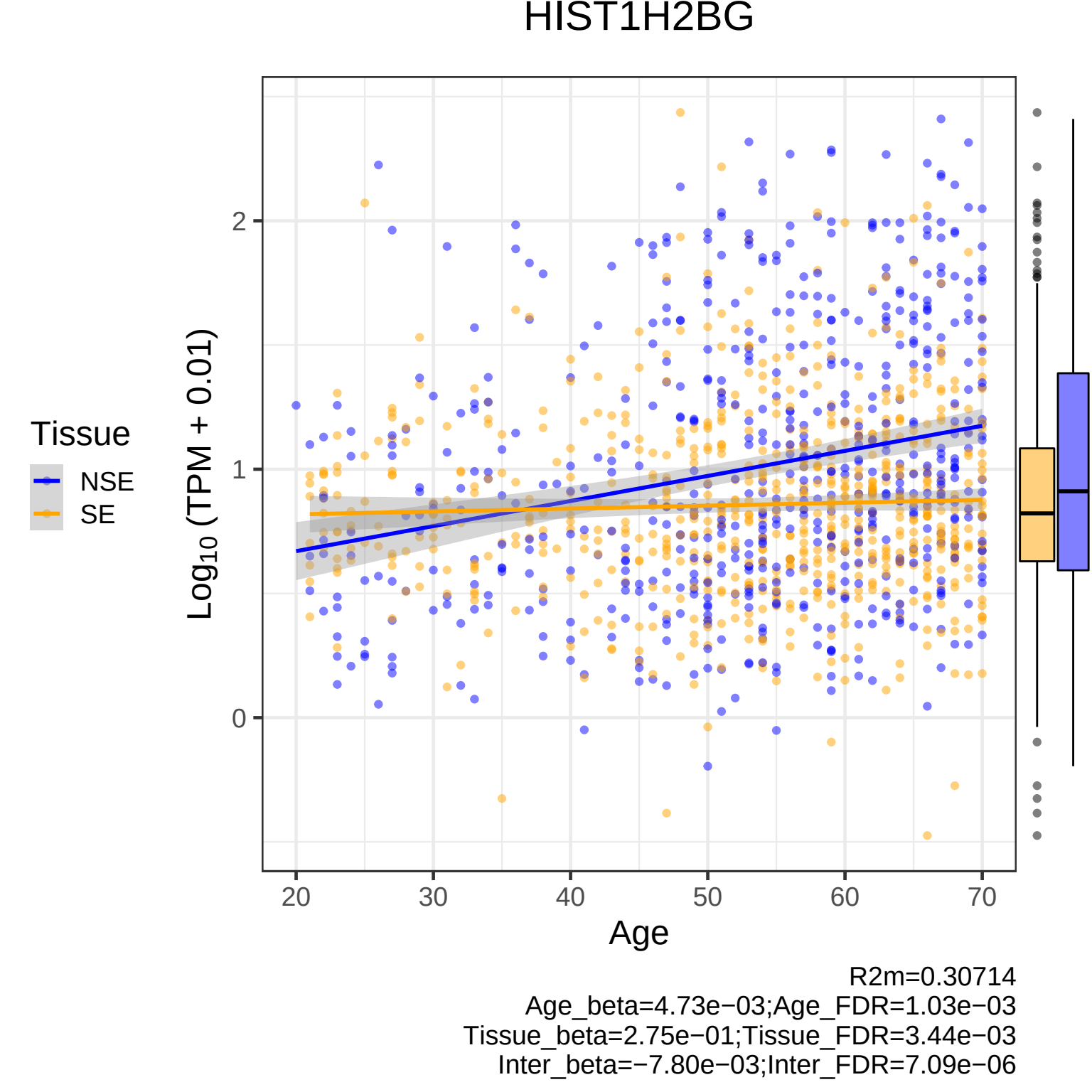

FOS
Tissue
NSE
SE
Log10 (TPM + 0.01)
4
3
2
20
30
40
50
60
70
Age
R2m=0.32311
Age_beta=4.13e−03;Age_FDR=9.50e−03
Tissue_beta=−3.62e−01;Tissue_FDR=4.47e−04
Inter_beta=−8.22e−04;Inter_FDR=7.54e−01

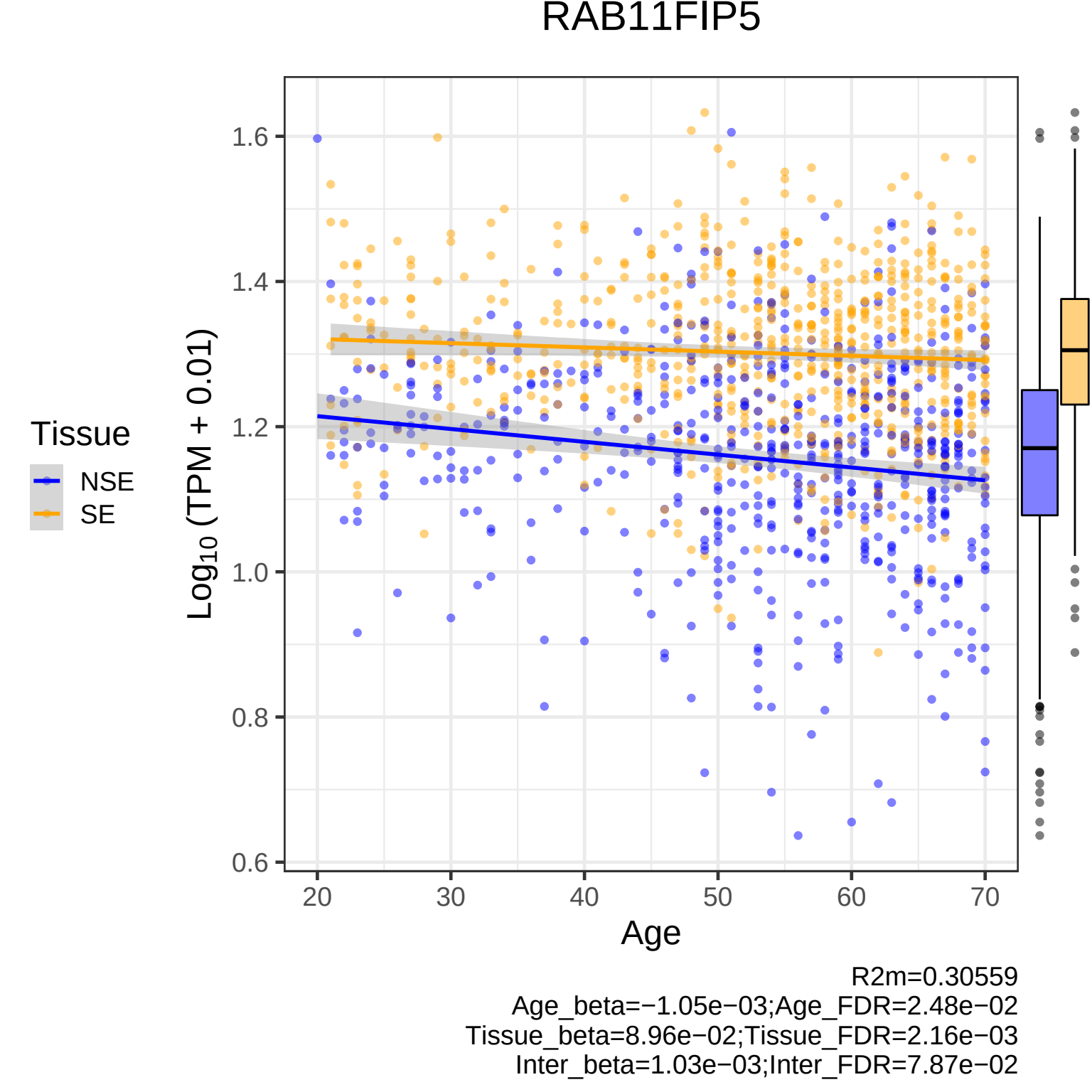

HIST1H4E
Tissue
NSE
SE
Log10 (TPM + 0.01)
2
1
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.3166
Age_beta=6.83e−03;Age_FDR=4.45e−04
Tissue_beta=3.27e−01;Tissue_FDR=1.95e−02
Inter_beta=−1.18e−02;Inter_FDR=2.98e−06

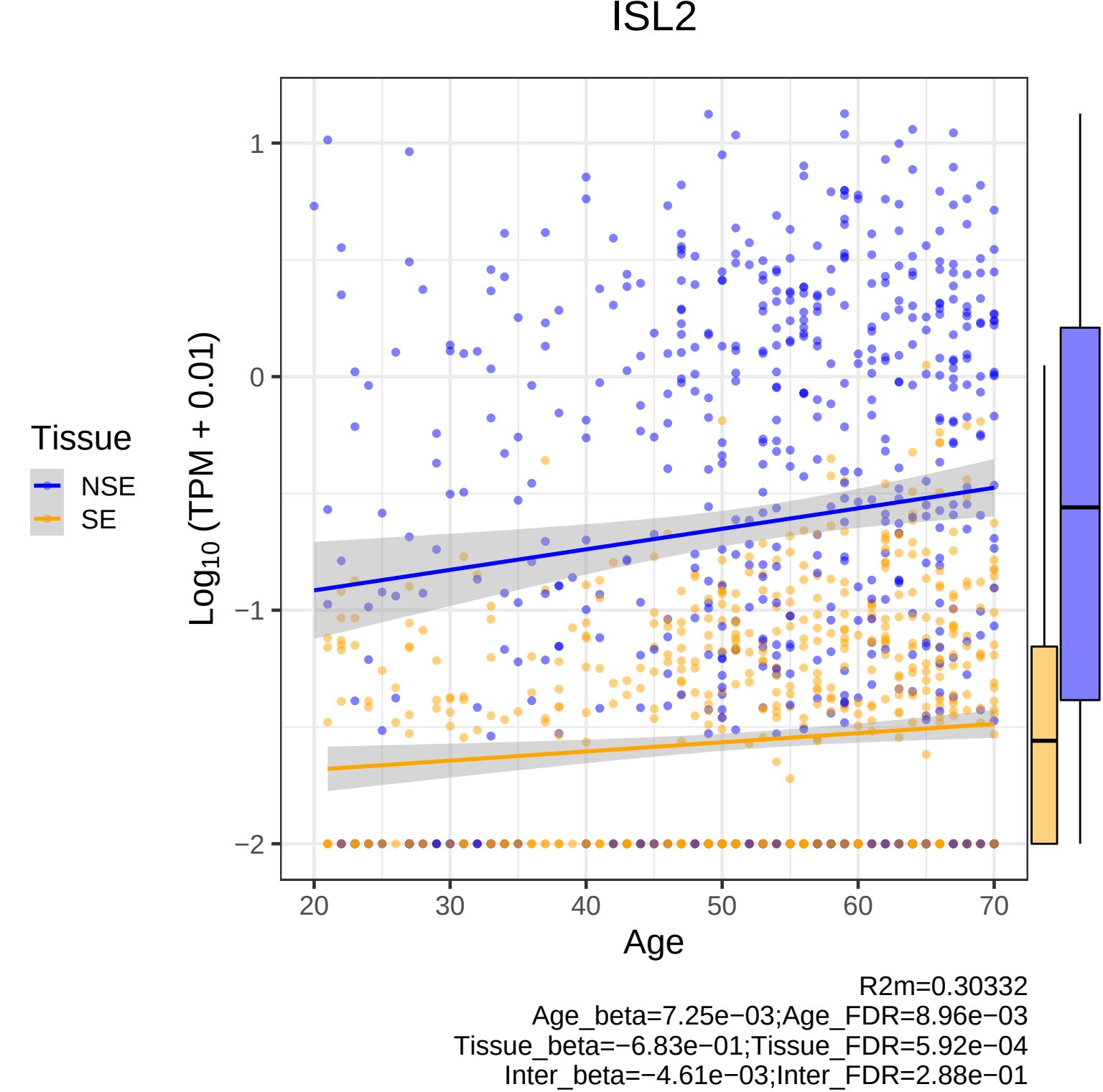

CYB561D1
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.5
1.0
0.5
20
30
40
50
60
70
Age
R2m=0.31417
Age_beta=−3.58e−03;Age_FDR=5.59e−06
Tissue_beta=−9.53e−02;Tissue_FDR=7.64e−02
Inter_beta=2.26e−03;Inter_FDR=2.09e−02

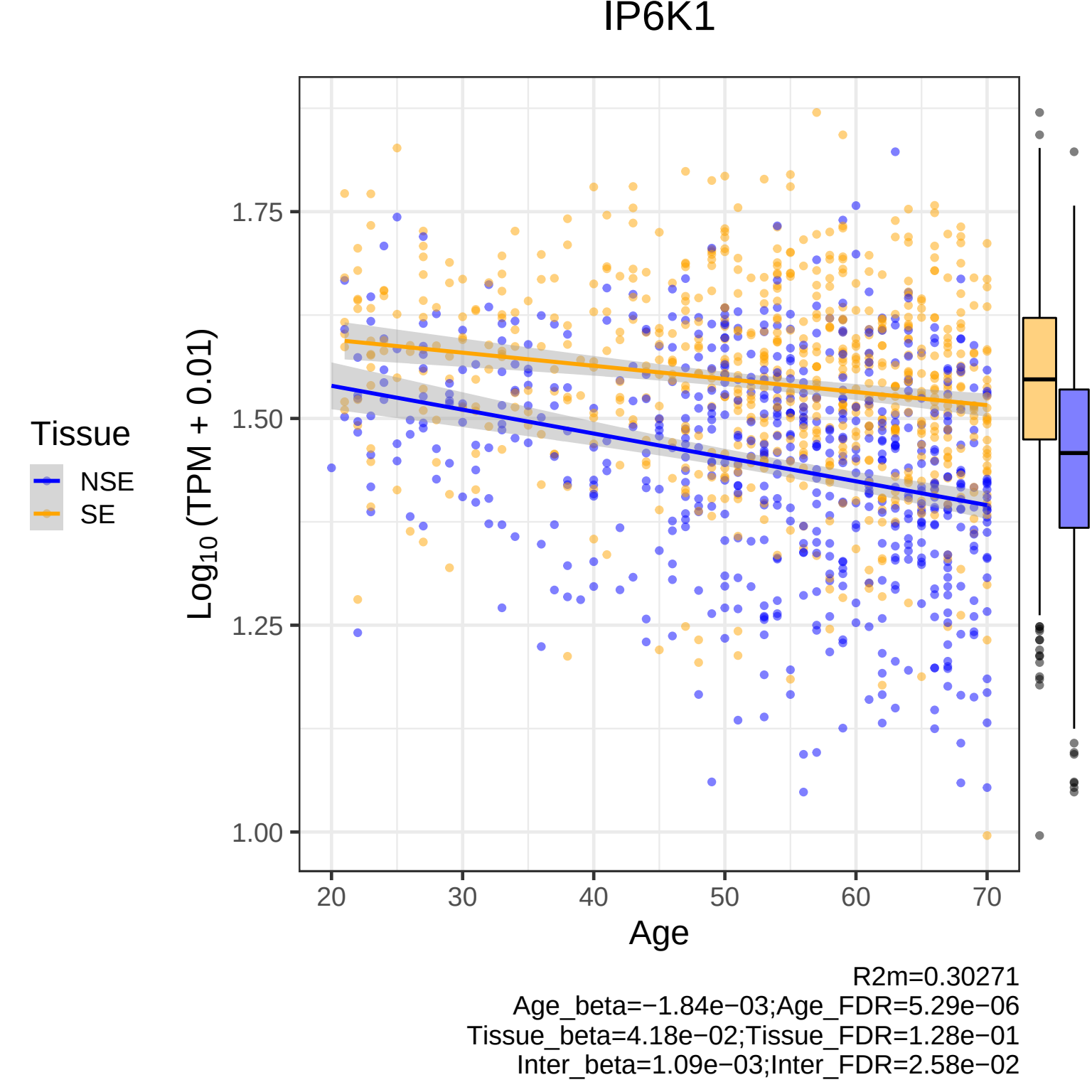

MMP3
Tissue
NSE
SE
Log10 (TPM + 0.01)
2
0
−2
20
30
40
50
60
70
Age
R2m=0.31381
Age_beta=−3.67e−03;Age_FDR=2.89e−01
Tissue_beta=9.89e−01;Tissue_FDR=6.36e−10
Inter_beta=−8.64e−04;Inter_FDR=8.43e−01

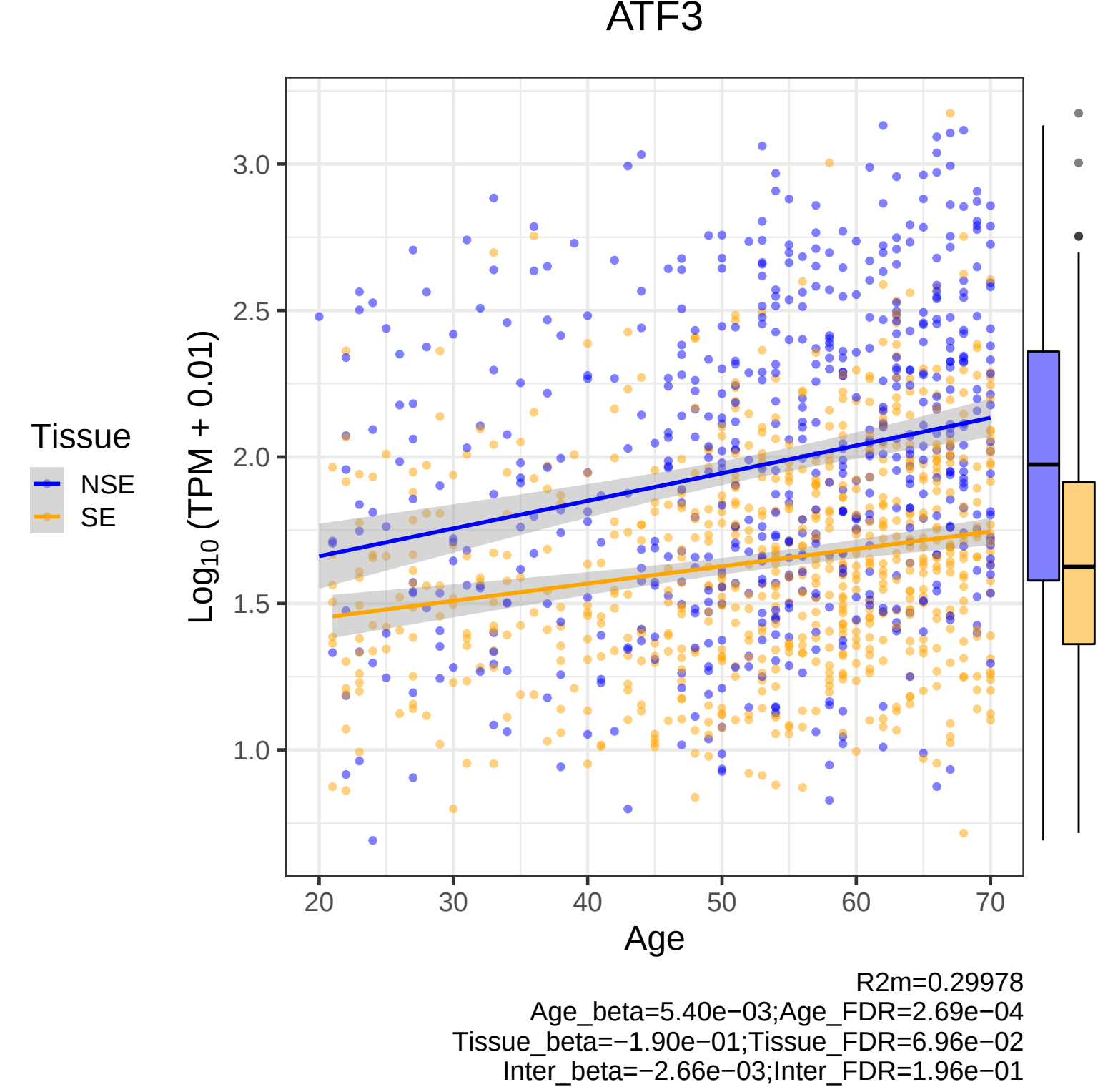

RUSC2
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.5
1.0
0.5
20
30
40
50
60
70
Age
R2m=0.31333
Age_beta=1.23e−03;Age_FDR=1.97e−02
Tissue_beta=1.80e−01;Tissue_FDR=5.04e−08
Inter_beta=2.48e−05;Inter_FDR=9.80e−01

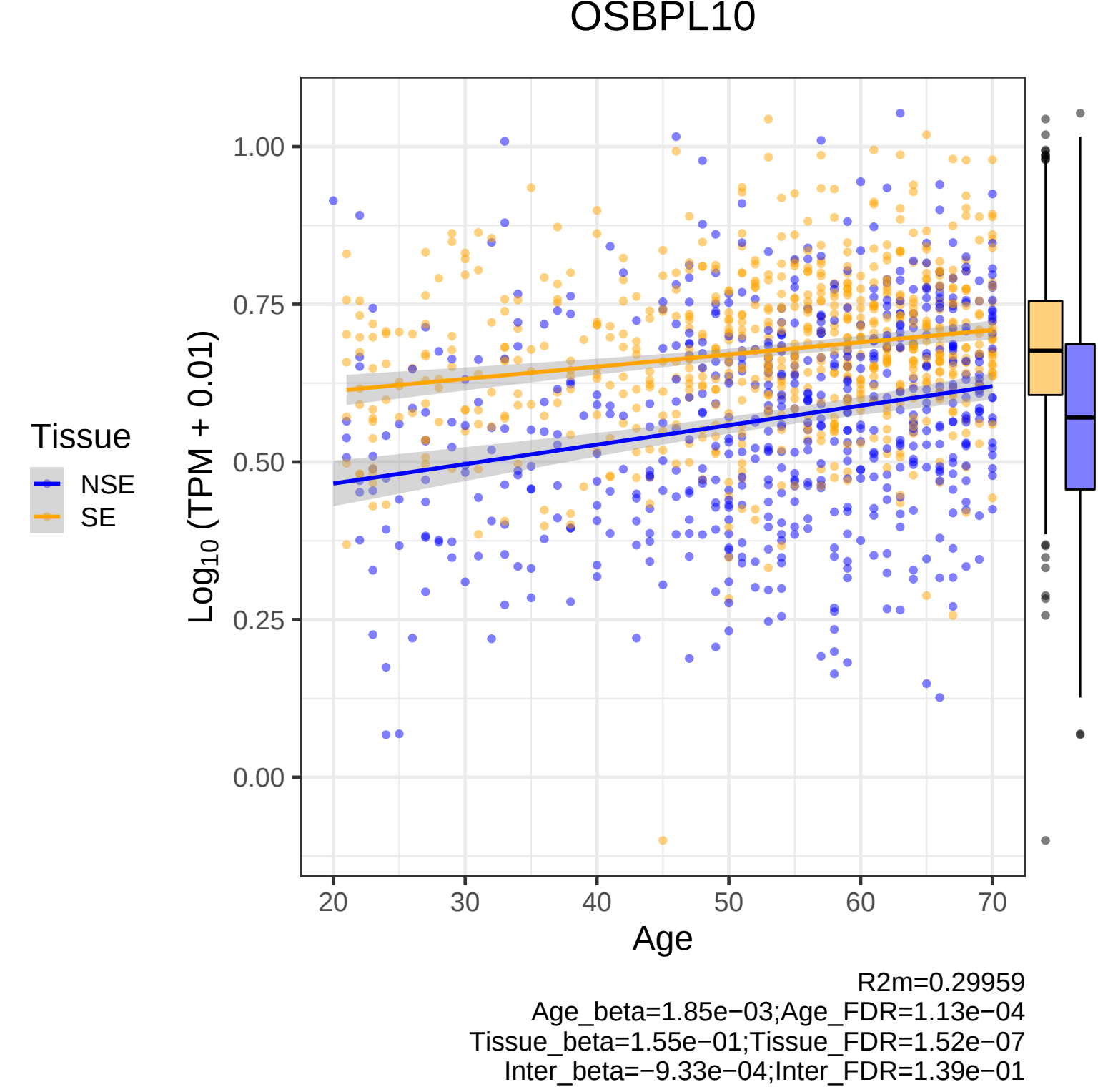

HIST1H2BG
Tissue
NSE
SE
Log10 (TPM + 0.01)
2
1
0
20
30
40
50
60
70
Age
R2m=0.30714
Age_beta=4.73e−03;Age_FDR=1.03e−03
Tissue_beta=2.75e−01;Tissue_FDR=3.44e−03
Inter_beta=−7.80e−03;Inter_FDR=7.09e−06

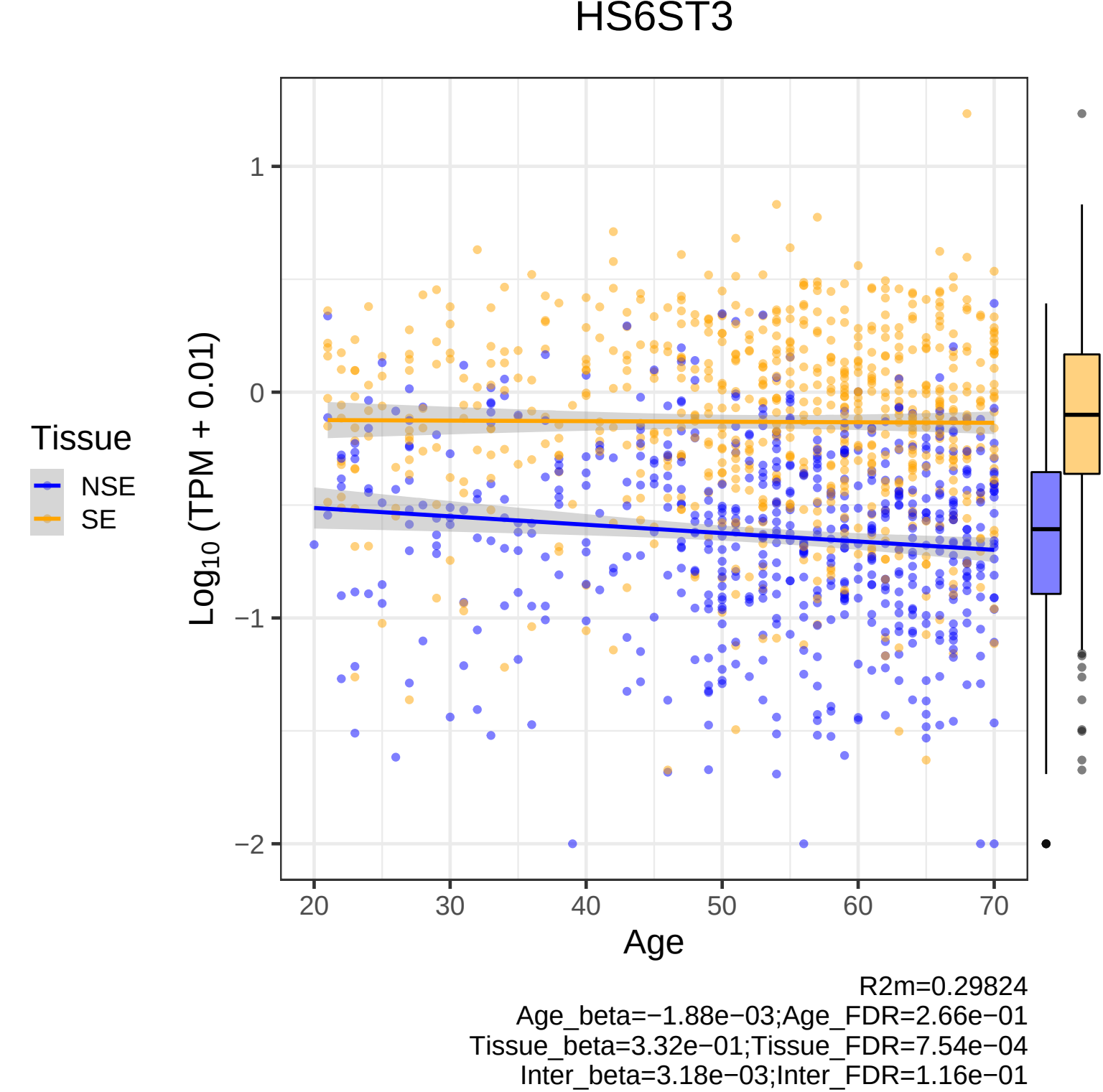

RAB11FIP5
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.6
1.4
1.2
1.0
0.8
0.6
20
30
40
50
60
70
Age
R2m=0.30559
Age_beta=−1.05e−03;Age_FDR=2.48e−02
Tissue_beta=8.96e−02;Tissue_FDR=2.16e−03
Inter_beta=1.03e−03;Inter_FDR=7.87e−02

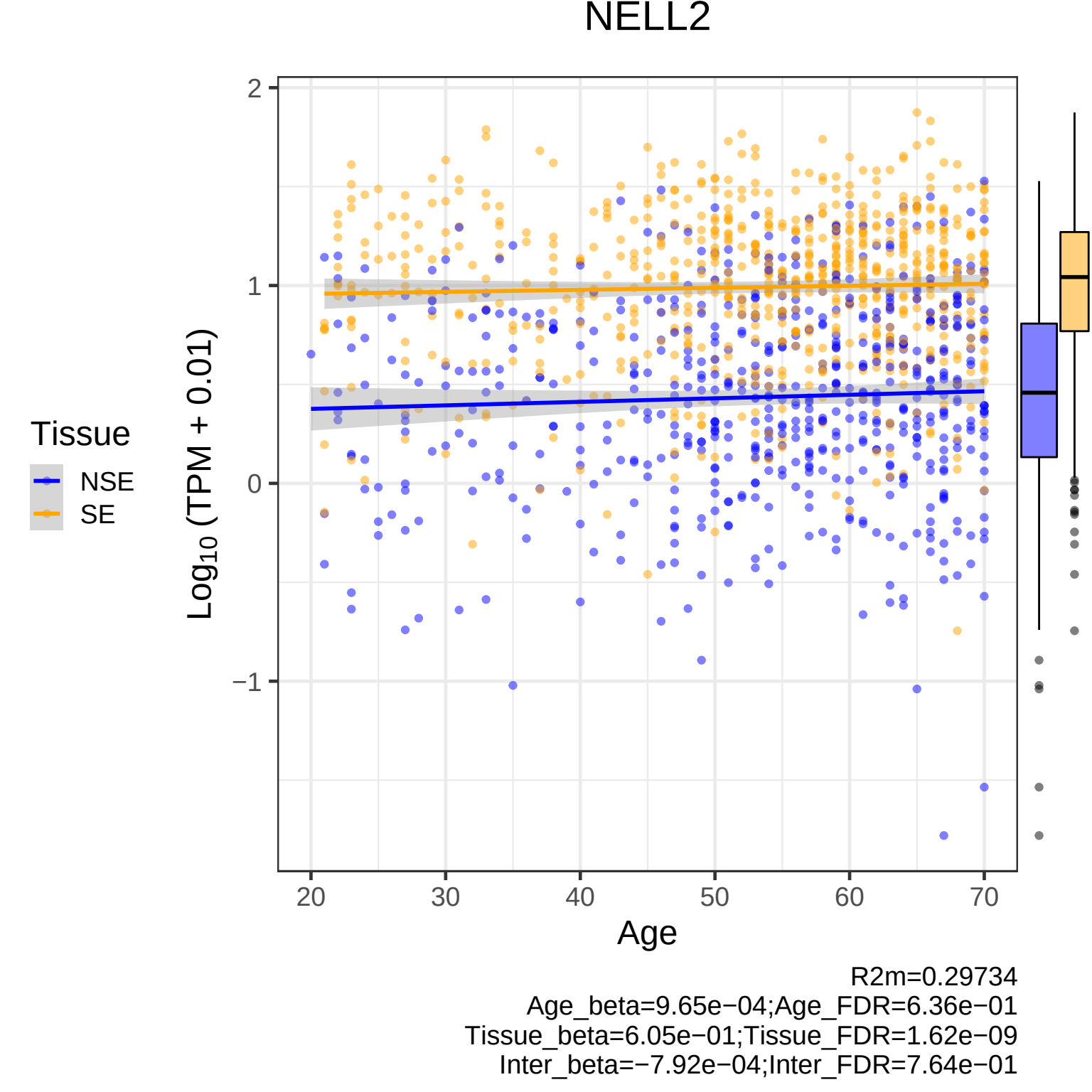

ISL2
Tissue
NSE
SE
Log10 (TPM + 0.01)
1
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.30332
Age_beta=7.25e−03;Age_FDR=8.96e−03
Tissue_beta=−6.83e−01;Tissue_FDR=5.92e−04
Inter_beta=−4.61e−03;Inter_FDR=2.88e−01

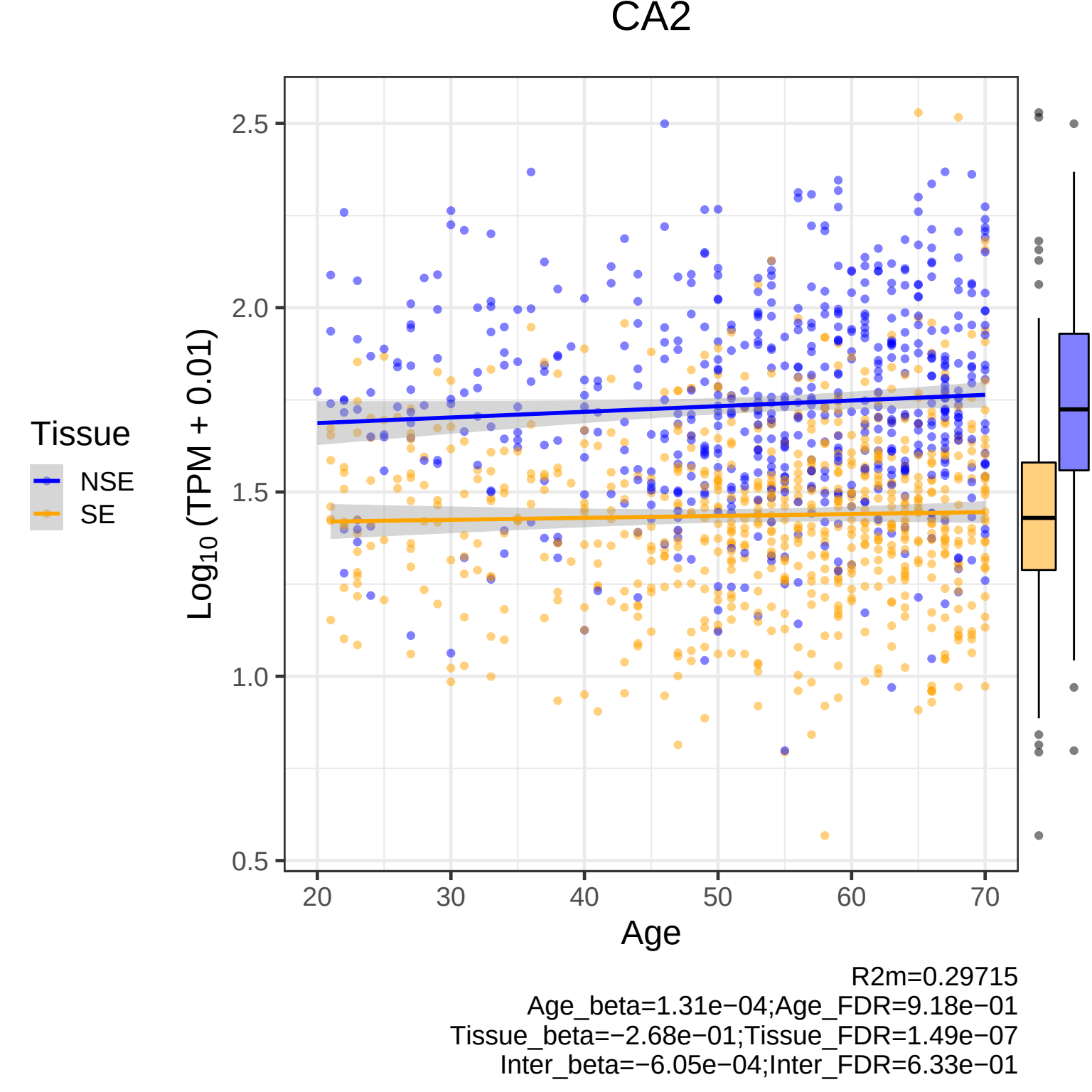

IP6K1
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.75
1.50
1.25
1.00
20
30
40
50
60
70
Age
R2m=0.30271
Age_beta=−1.84e−03;Age_FDR=5.29e−06
Tissue_beta=4.18e−02;Tissue_FDR=1.28e−01
Inter_beta=1.09e−03;Inter_FDR=2.58e−02

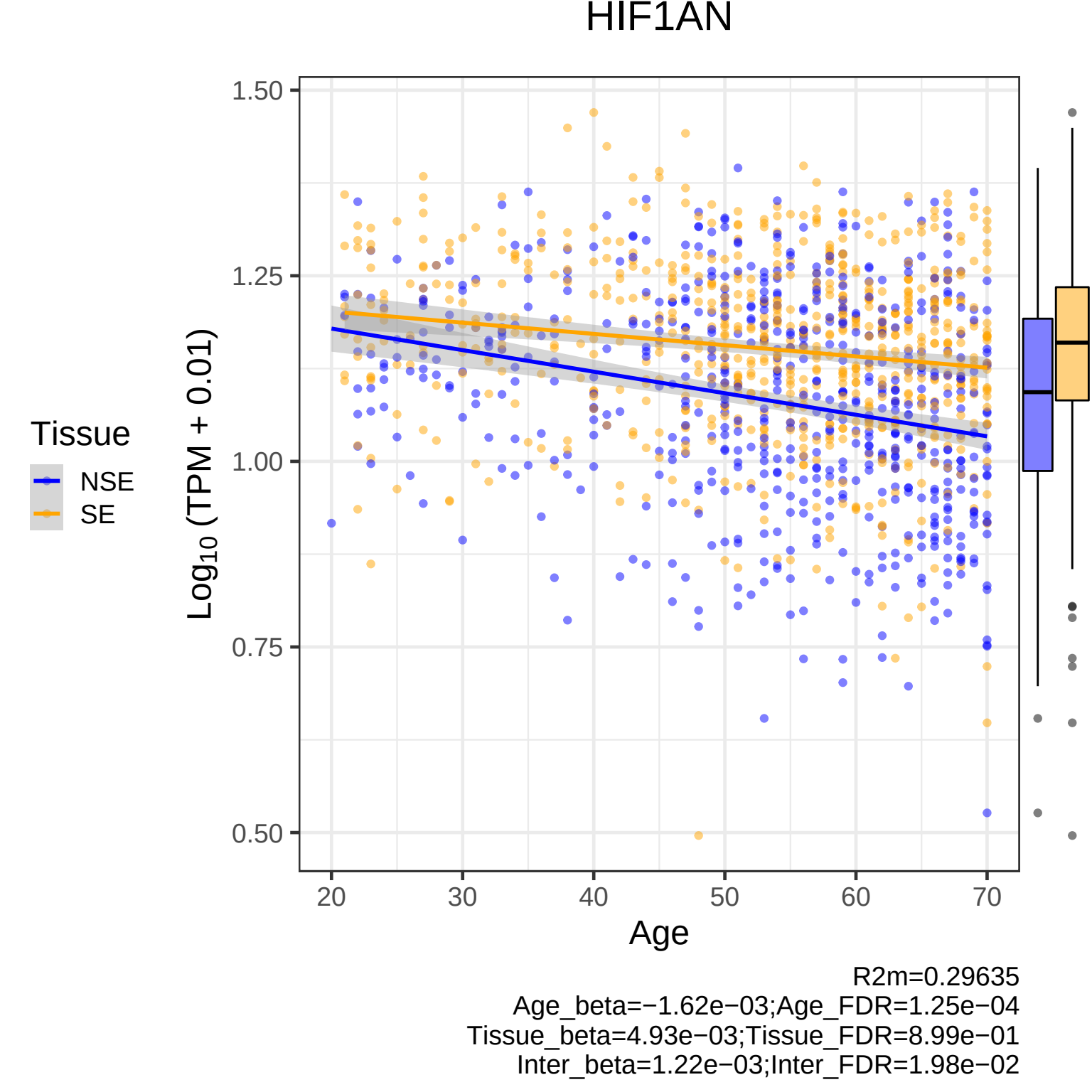

ATF3
Tissue
NSE
SE
3.0
2.5
2.0
1.5
1.0
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.29978
Age_beta=5.40e−03;Age_FDR=2.69e−04
Tissue_beta=−1.90e−01;Tissue_FDR=6.96e−02
Inter_beta=−2.66e−03;Inter_FDR=1.96e−01

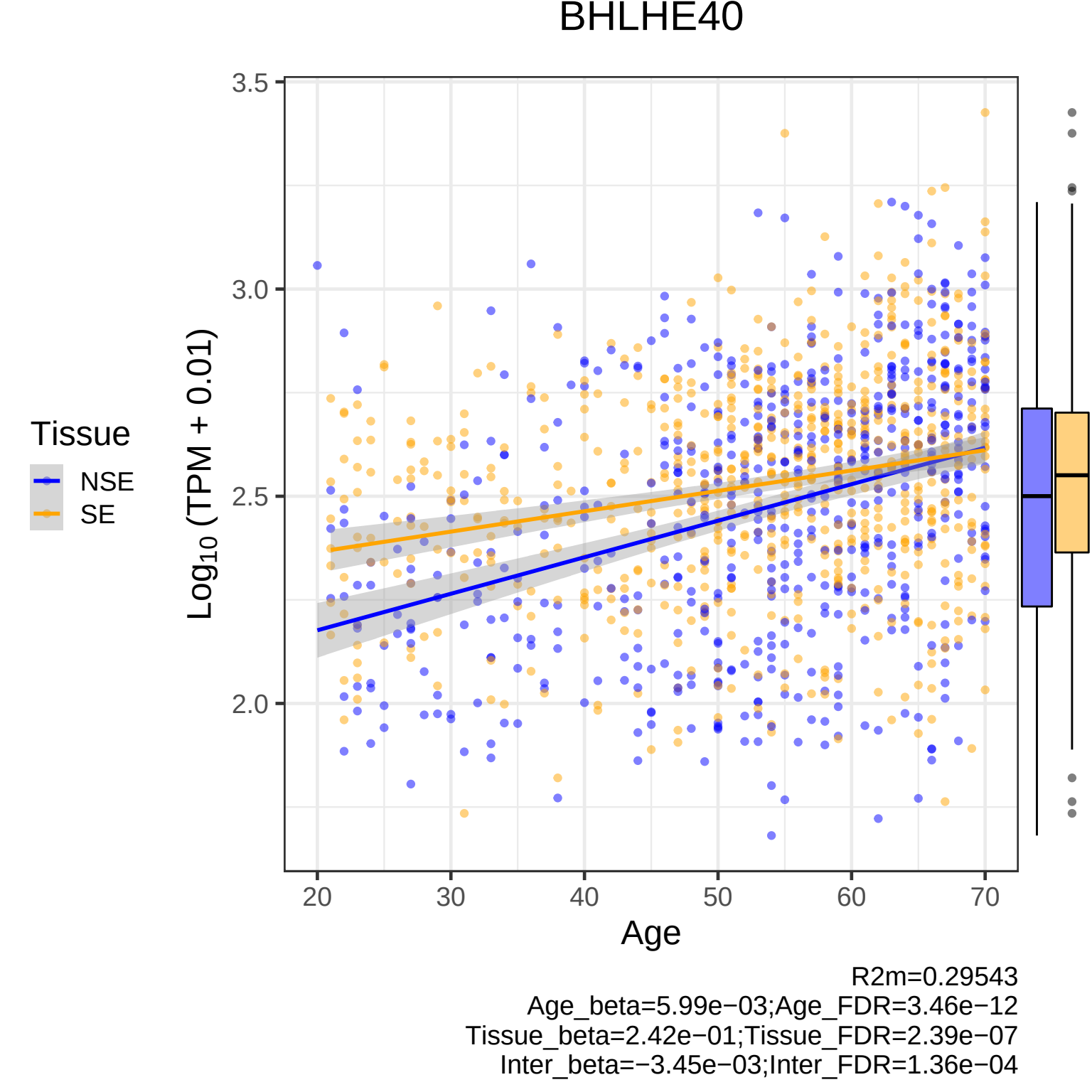

OSBPL10
Tissue
NSE
SE
1.00
0.75
0.50
0.25
0.00
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.29959
Age_beta=1.85e−03;Age_FDR=1.13e−04
Tissue_beta=1.55e−01;Tissue_FDR=1.52e−07
Inter_beta=−9.33e−04;Inter_FDR=1.39e−01

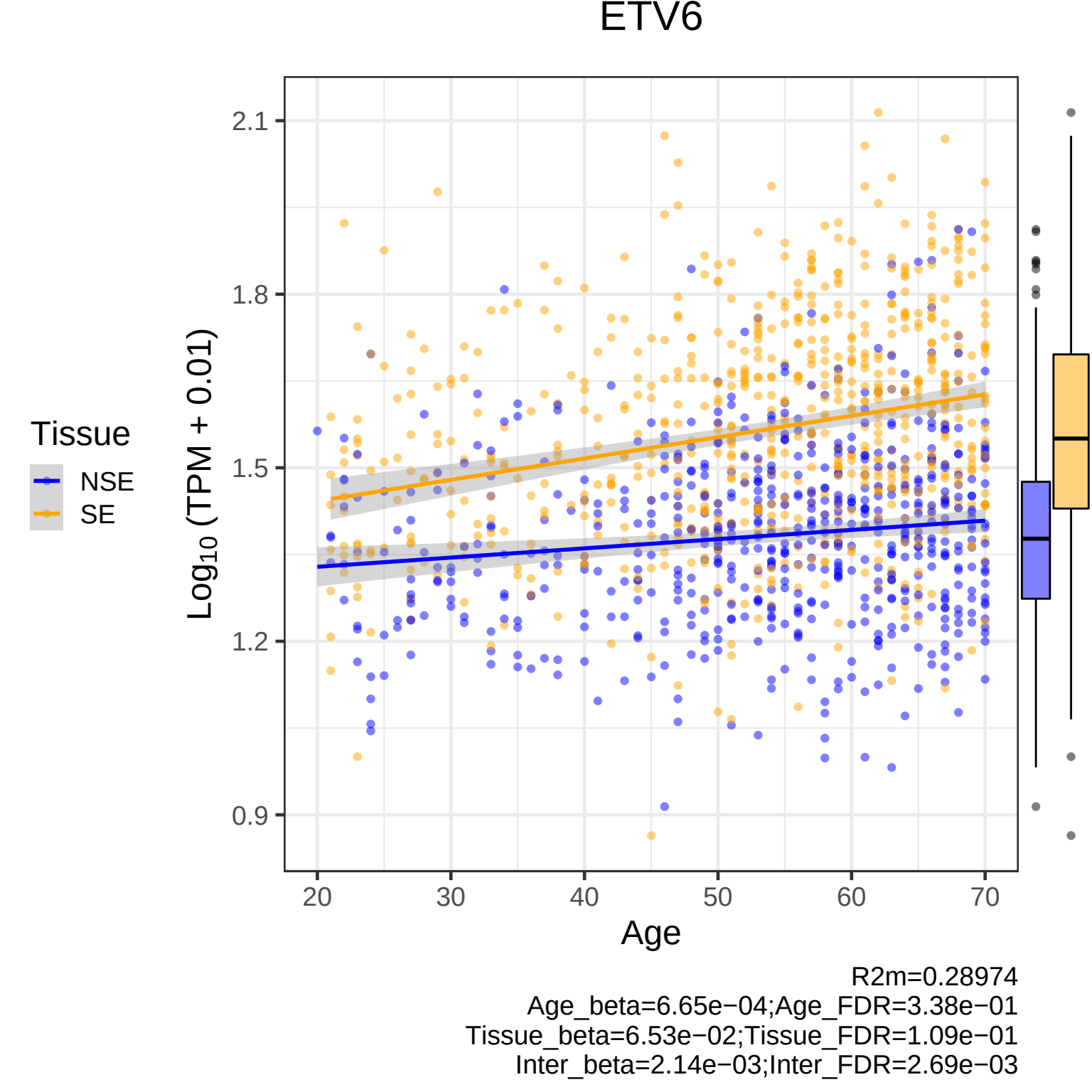

HS6ST3
Tissue
NSE
SE
Log10 (TPM + 0.01)
1
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.29824
Age_beta=−1.88e−03;Age_FDR=2.66e−01
Tissue_beta=3.32e−01;Tissue_FDR=7.54e−04
Inter_beta=3.18e−03;Inter_FDR=1.16e−01

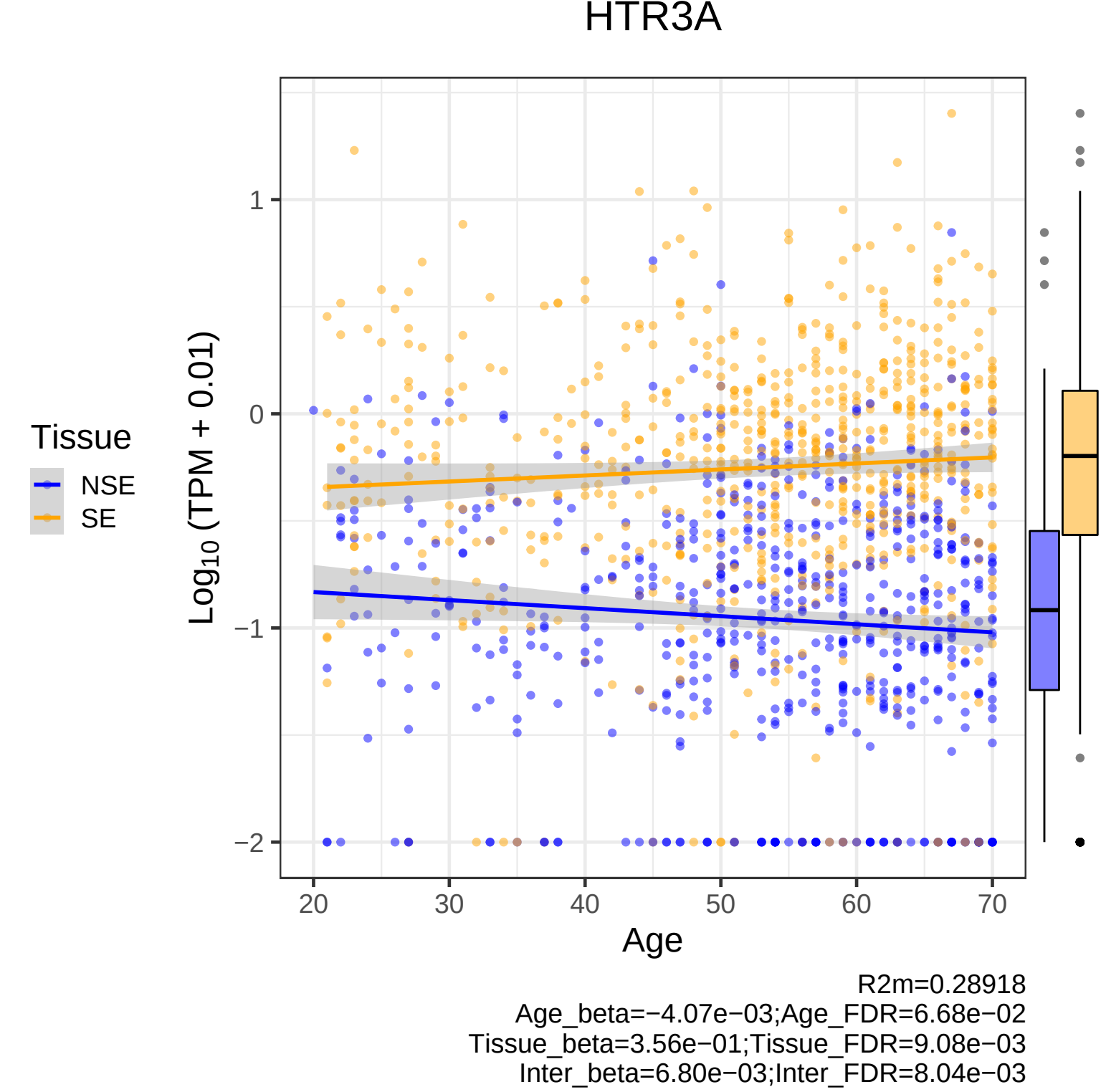

NELL2
Tissue
NSE
SE
Log10 (TPM + 0.01)
2
1
0
−1
20
30
40
50
60
70
Age
R2m=0.29734
Age_beta=9.65e−04;Age_FDR=6.36e−01
Tissue_beta=6.05e−01;Tissue_FDR=1.62e−09
Inter_beta=−7.92e−04;Inter_FDR=7.64e−01

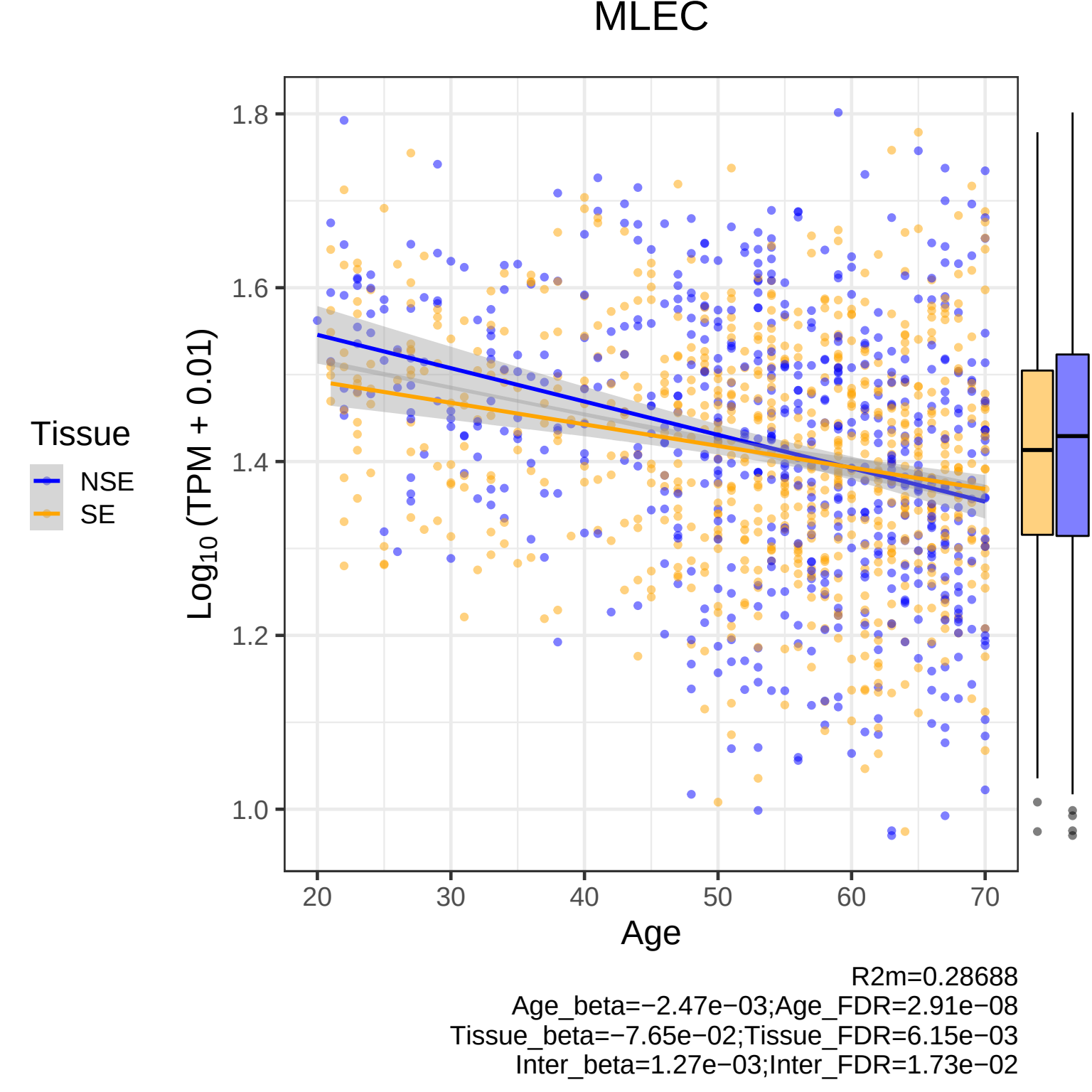

CA2
Tissue
NSE
SE
2.5
2.0
1.5
1.0
0.5
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.29715
Age_beta=1.31e−04;Age_FDR=9.18e−01
Tissue_beta=−2.68e−01;Tissue_FDR=1.49e−07
Inter_beta=−6.05e−04;Inter_FDR=6.33e−01

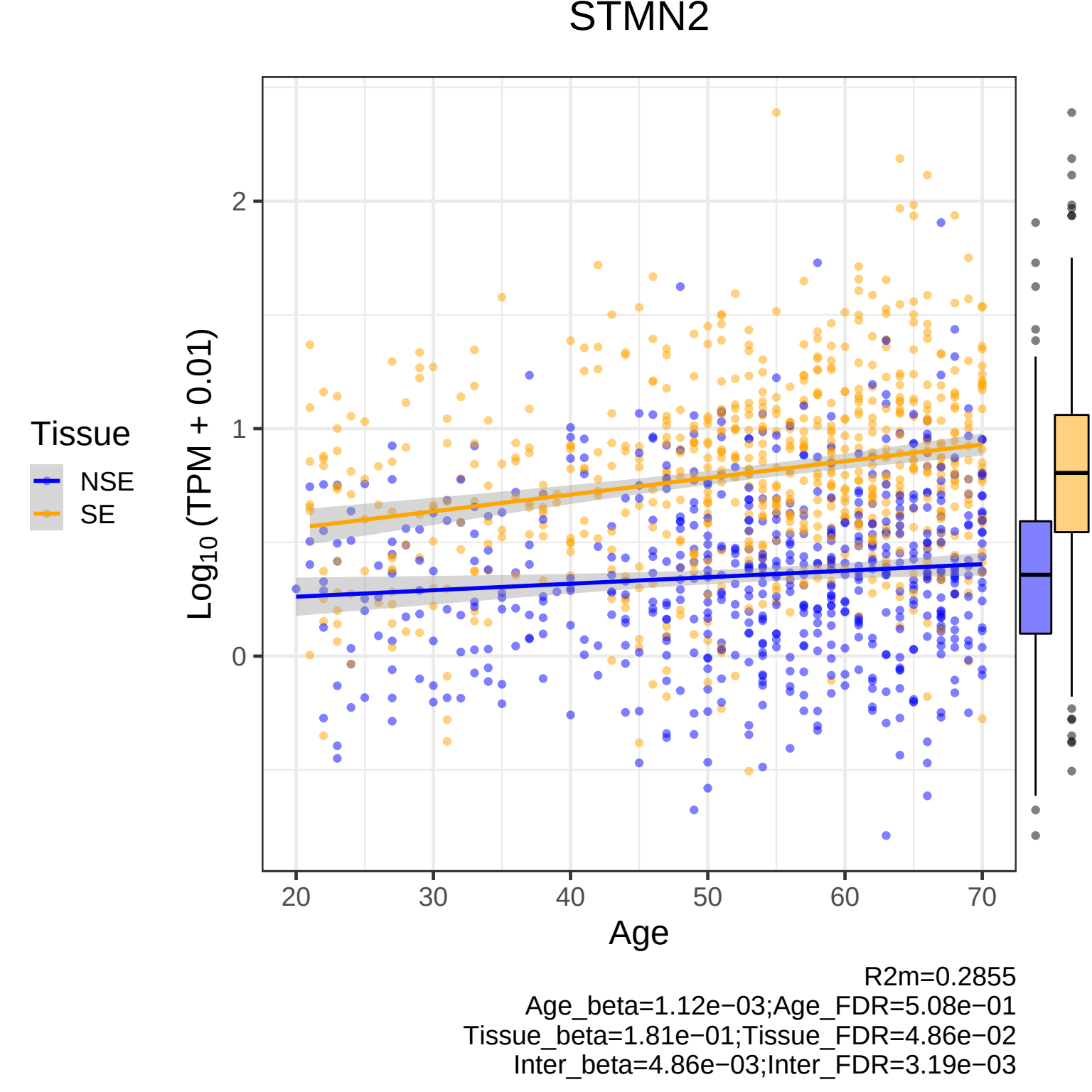

HIF1AN
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.50
1.25
1.00
0.75
0.50
20
30
40
50
60
70
Age
R2m=0.29635
Age_beta=−1.62e−03;Age_FDR=1.25e−04
Tissue_beta=4.93e−03;Tissue_FDR=8.99e−01
Inter_beta=1.22e−03;Inter_FDR=1.98e−02

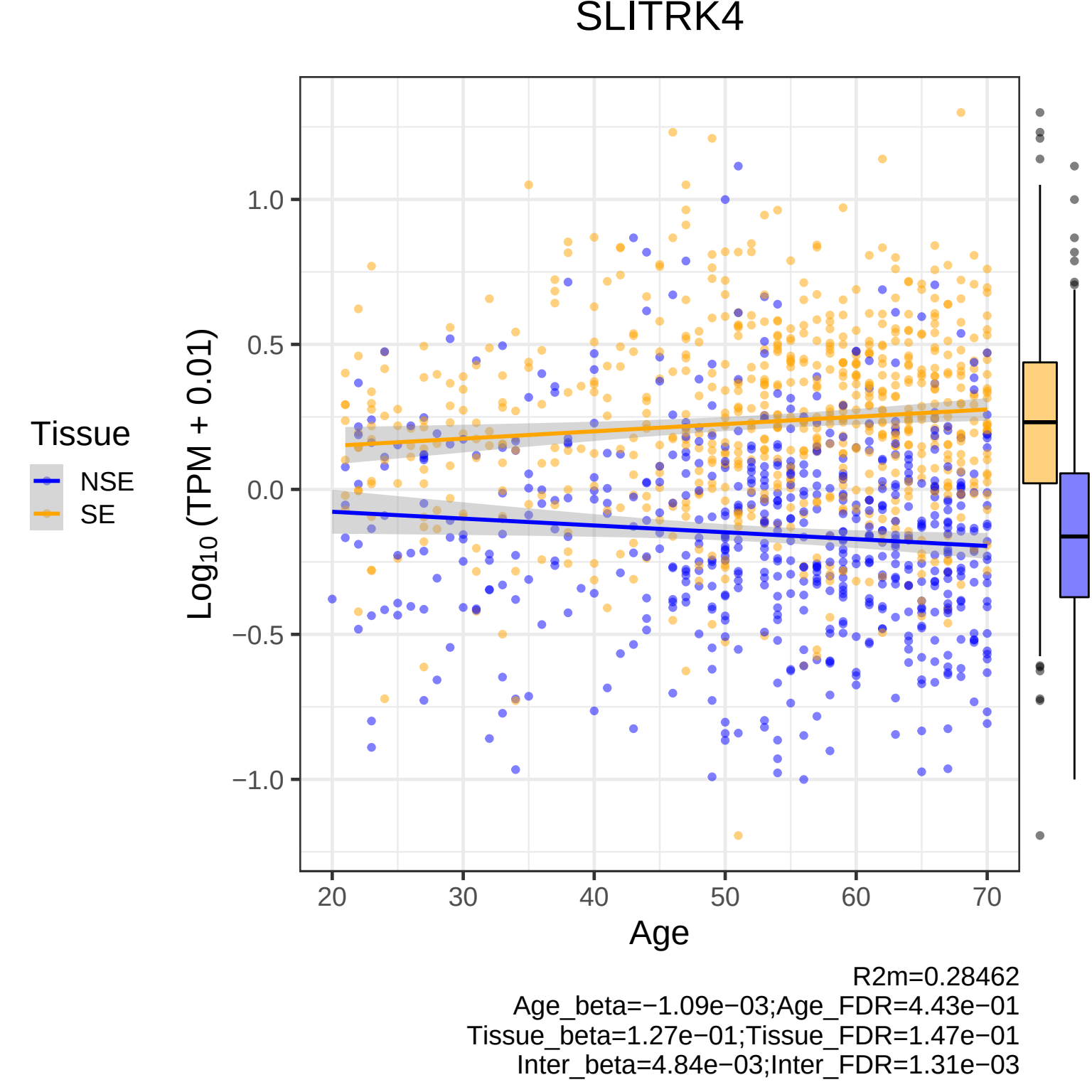

BHLHE40
Tissue
NSE
SE
3.5
3.0
2.5
2.0
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.29543
Age_beta=5.99e−03;Age_FDR=3.46e−12
Tissue_beta=2.42e−01;Tissue_FDR=2.39e−07
Inter_beta=−3.45e−03;Inter_FDR=1.36e−04

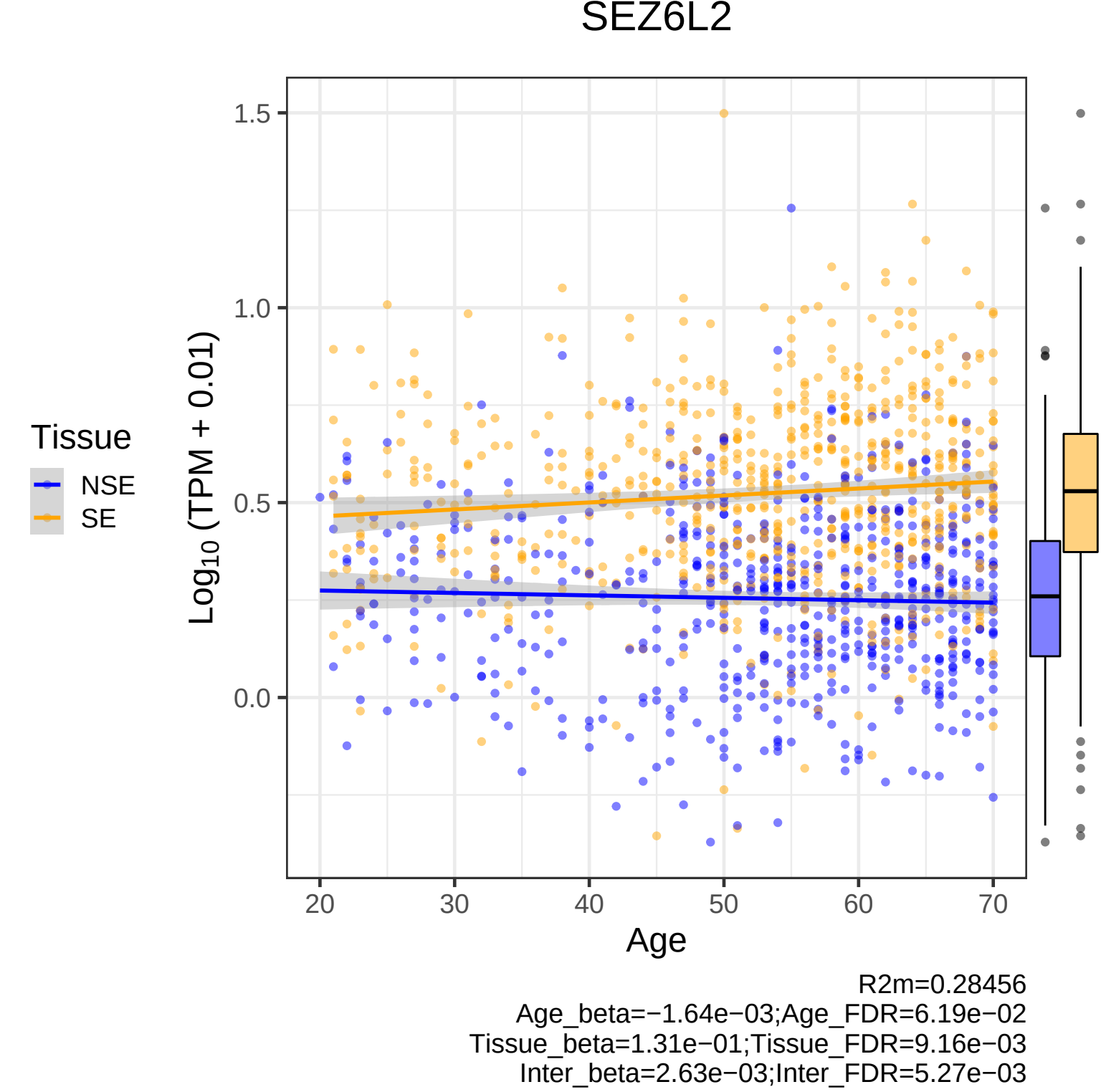

ETV6
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.1
1.8
1.5
1.2
0.9
20
30
40
50
60
70
Age
R2m=0.28974
Age_beta=6.65e−04;Age_FDR=3.38e−01
Tissue_beta=6.53e−02;Tissue_FDR=1.09e−01
Inter_beta=2.14e−03;Inter_FDR=2.69e−03

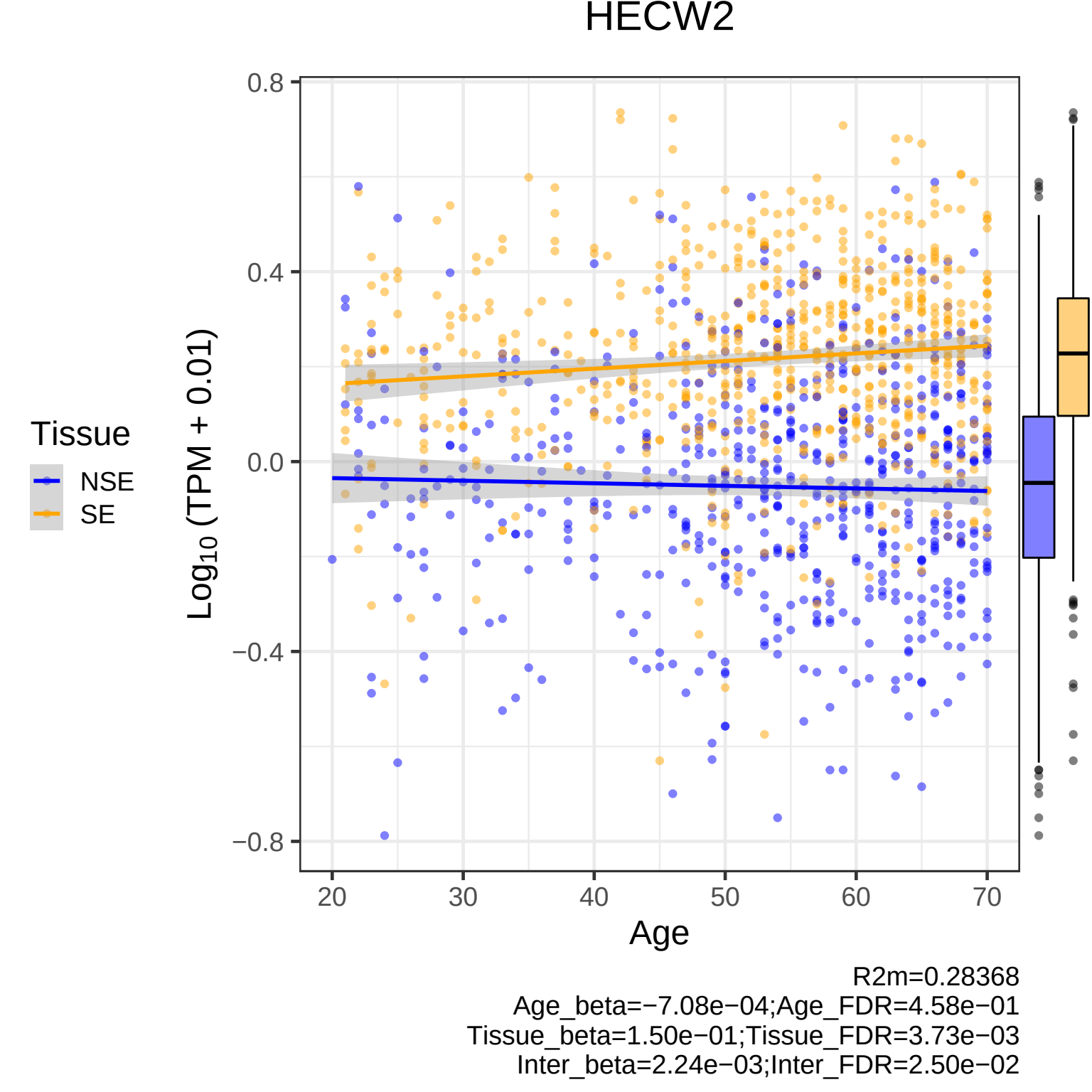

HTR3A
Tissue
NSE
SE
Log10 (TPM + 0.01)
1
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.28918
Age_beta=−4.07e−03;Age_FDR=6.68e−02
Tissue_beta=3.56e−01;Tissue_FDR=9.08e−03
Inter_beta=6.80e−03;Inter_FDR=8.04e−03

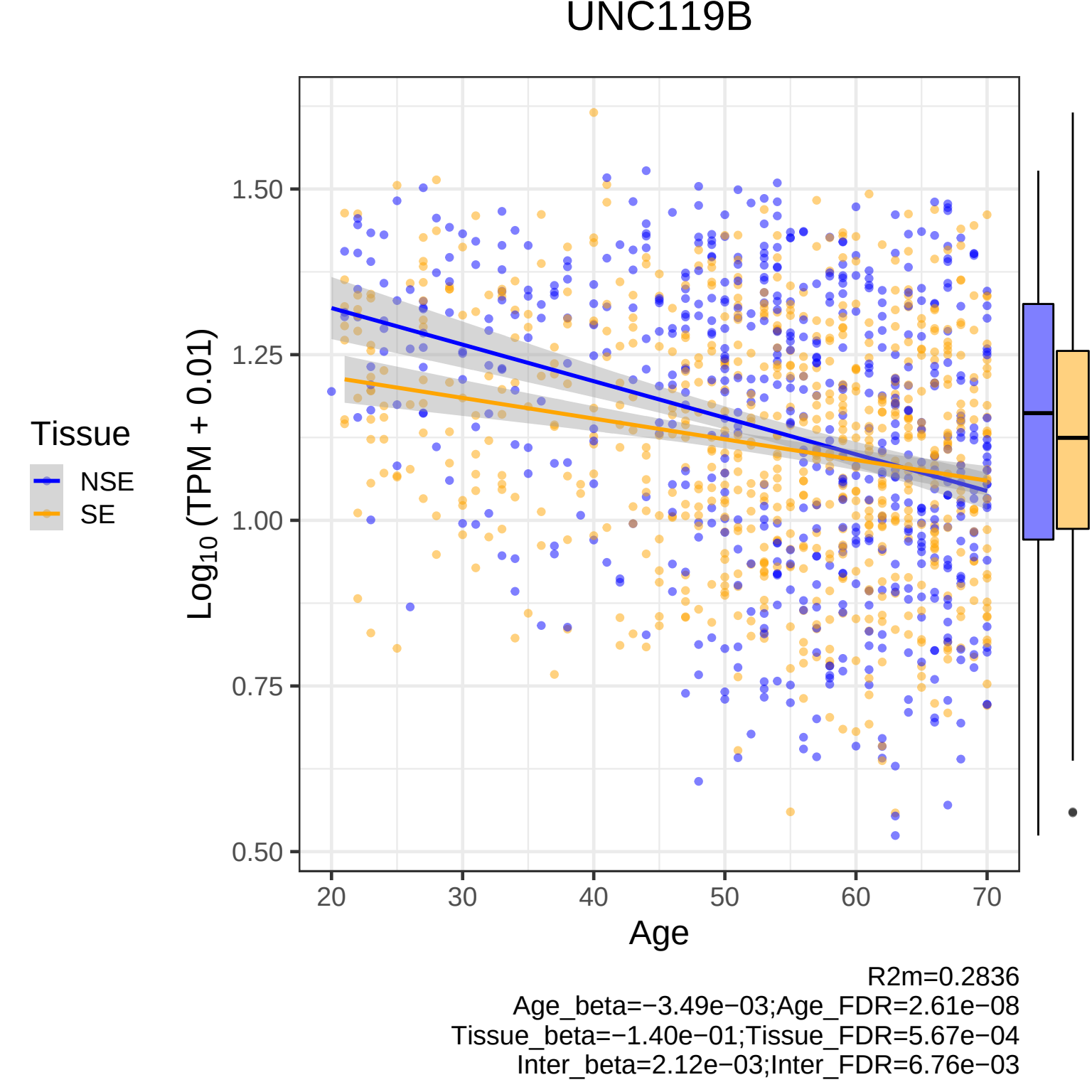

MLEC
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.8
1.6
1.4
1.2
1.0
20
30
40
50
60
70
Age
R2m=0.28688
Age_beta=−2.47e−03;Age_FDR=2.91e−08
Tissue_beta=−7.65e−02;Tissue_FDR=6.15e−03
Inter_beta=1.27e−03;Inter_FDR=1.73e−02

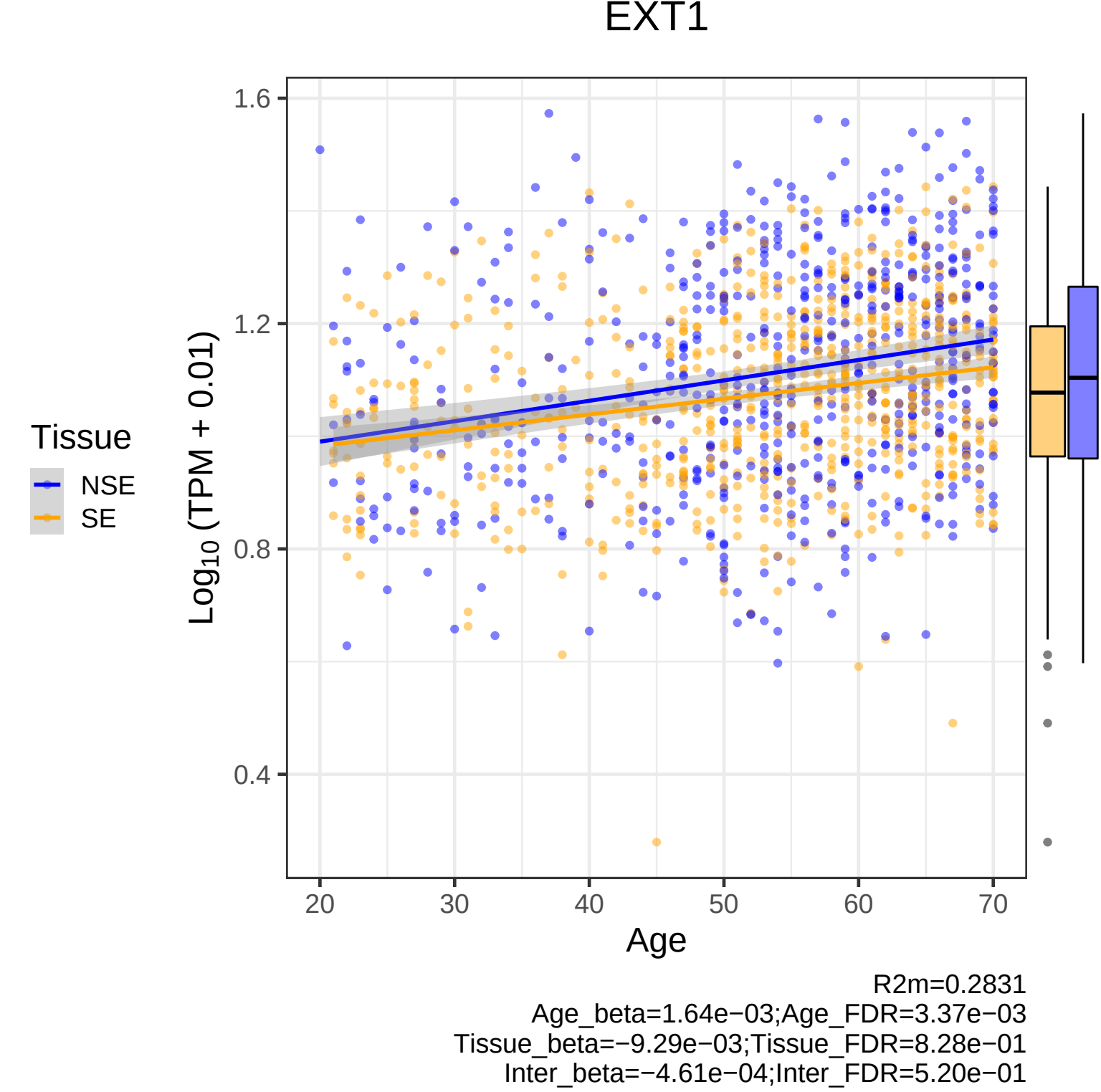

STMN2
Tissue
NSE
SE
Log10 (TPM + 0.01)
2
1
0
20
30
40
50
60
70
Age
R2m=0.2855
Age_beta=1.12e−03;Age_FDR=5.08e−01
Tissue_beta=1.81e−01;Tissue_FDR=4.86e−02
Inter_beta=4.86e−03;Inter_FDR=3.19e−03

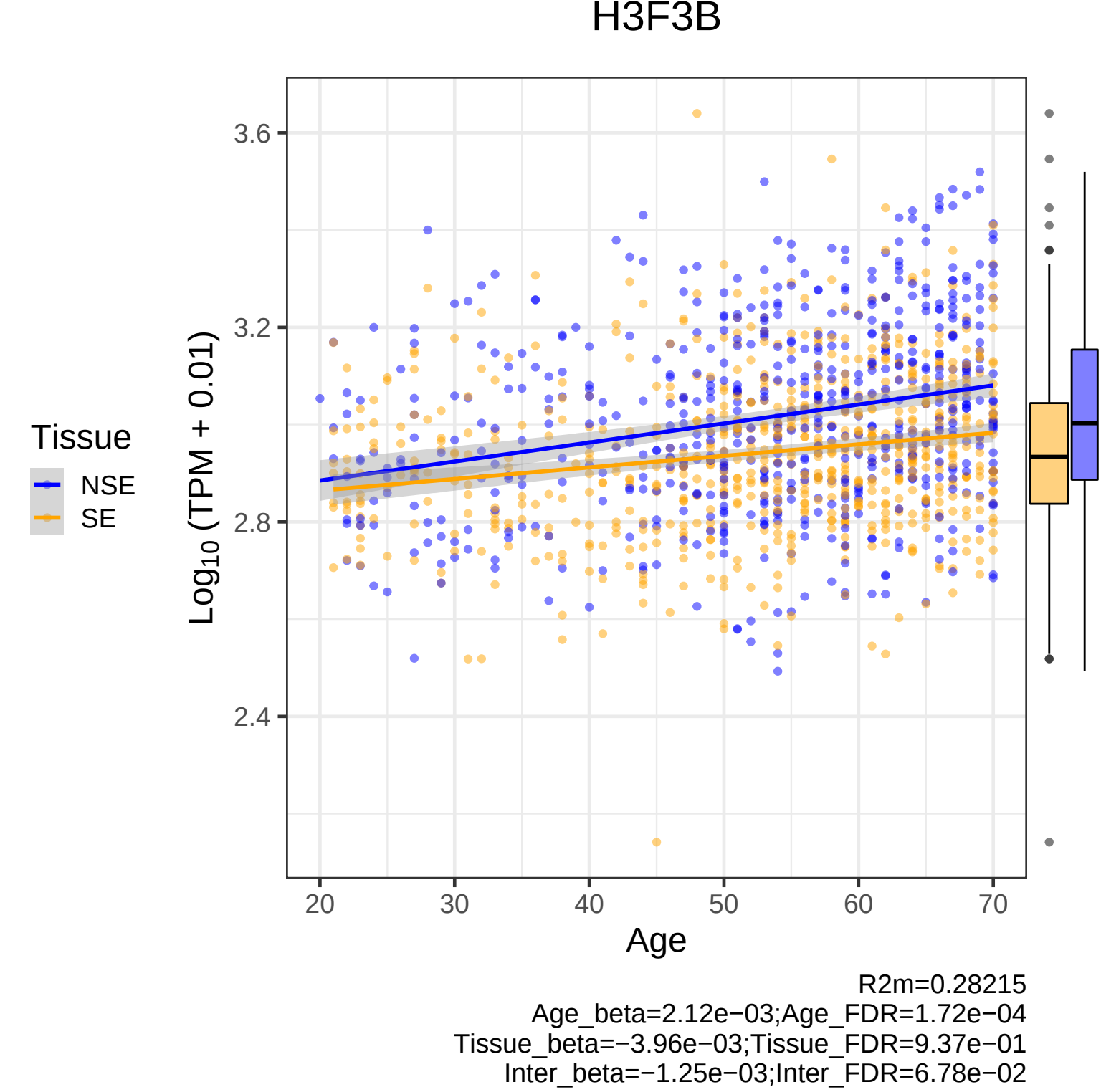

SLITRK4
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.0
0.5
0.0
−0.5
−1.0
20
30
40
50
60
70
Age
R2m=0.28462
Age_beta=−1.09e−03;Age_FDR=4.43e−01
Tissue_beta=1.27e−01;Tissue_FDR=1.47e−01
Inter_beta=4.84e−03;Inter_FDR=1.31e−03

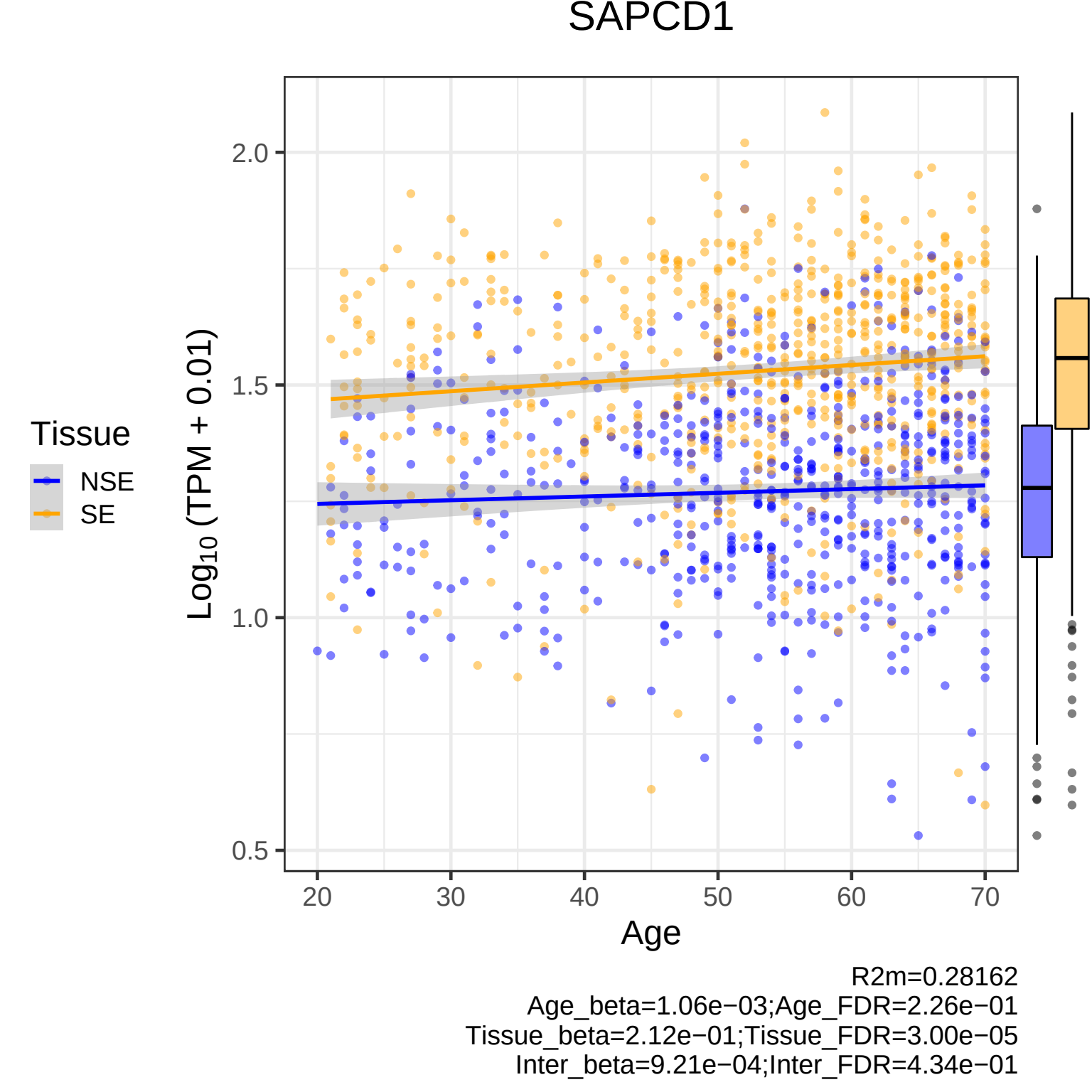

SEZ6L2
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.5
1.0
0.5
0.0
20
30
40
50
60
70
Age
R2m=0.28456
Age_beta=−1.64e−03;Age_FDR=6.19e−02
Tissue_beta=1.31e−01;Tissue_FDR=9.16e−03
Inter_beta=2.63e−03;Inter_FDR=5.27e−03

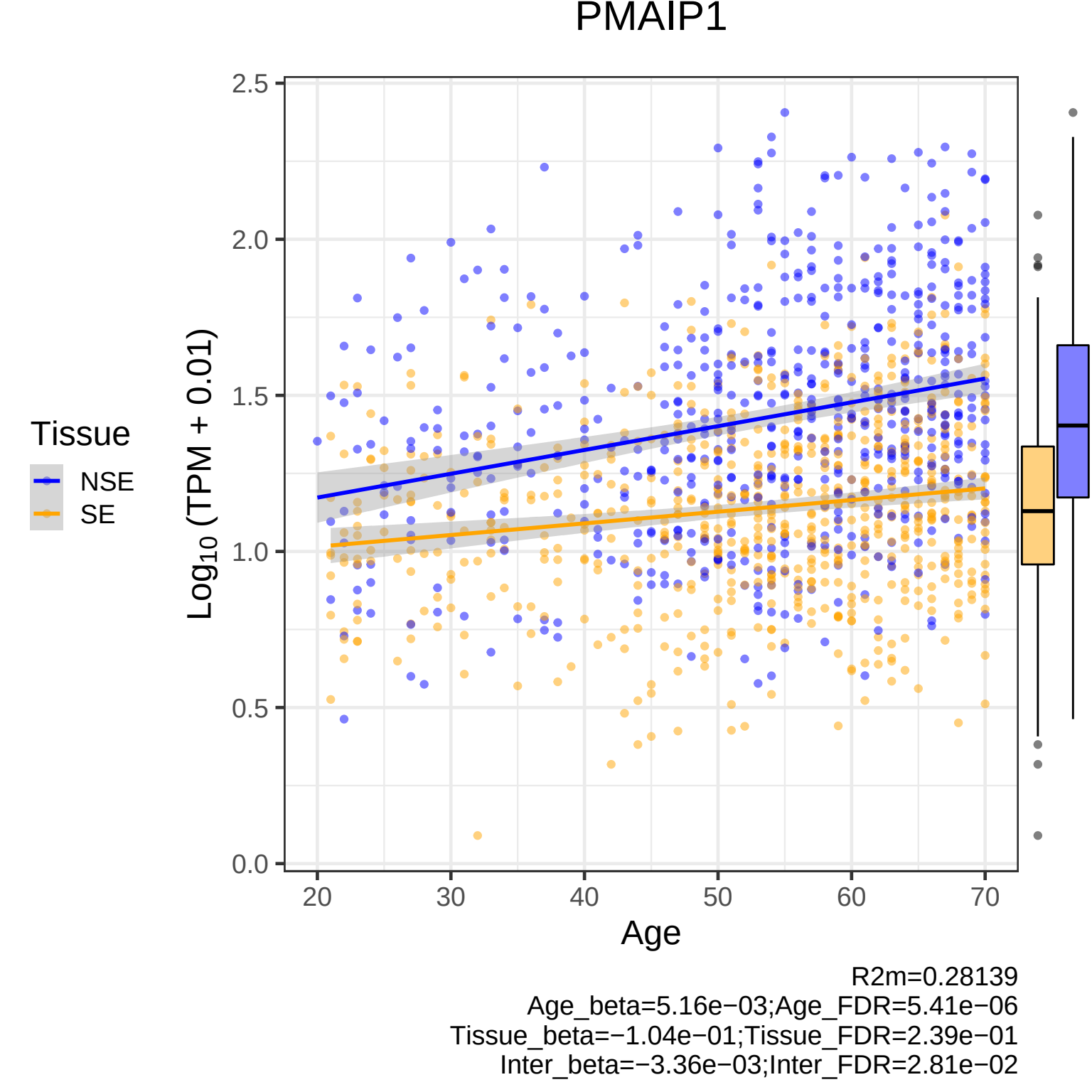

HECW2
Tissue
NSE
SE
Log10 (TPM + 0.01)
0.8
0.4
0.0
−0.4
−0.8
20
30
40
50
60
70
Age
R2m=0.28368
Age_beta=−7.08e−04;Age_FDR=4.58e−01
Tissue_beta=1.50e−01;Tissue_FDR=3.73e−03
Inter_beta=2.24e−03;Inter_FDR=2.50e−02

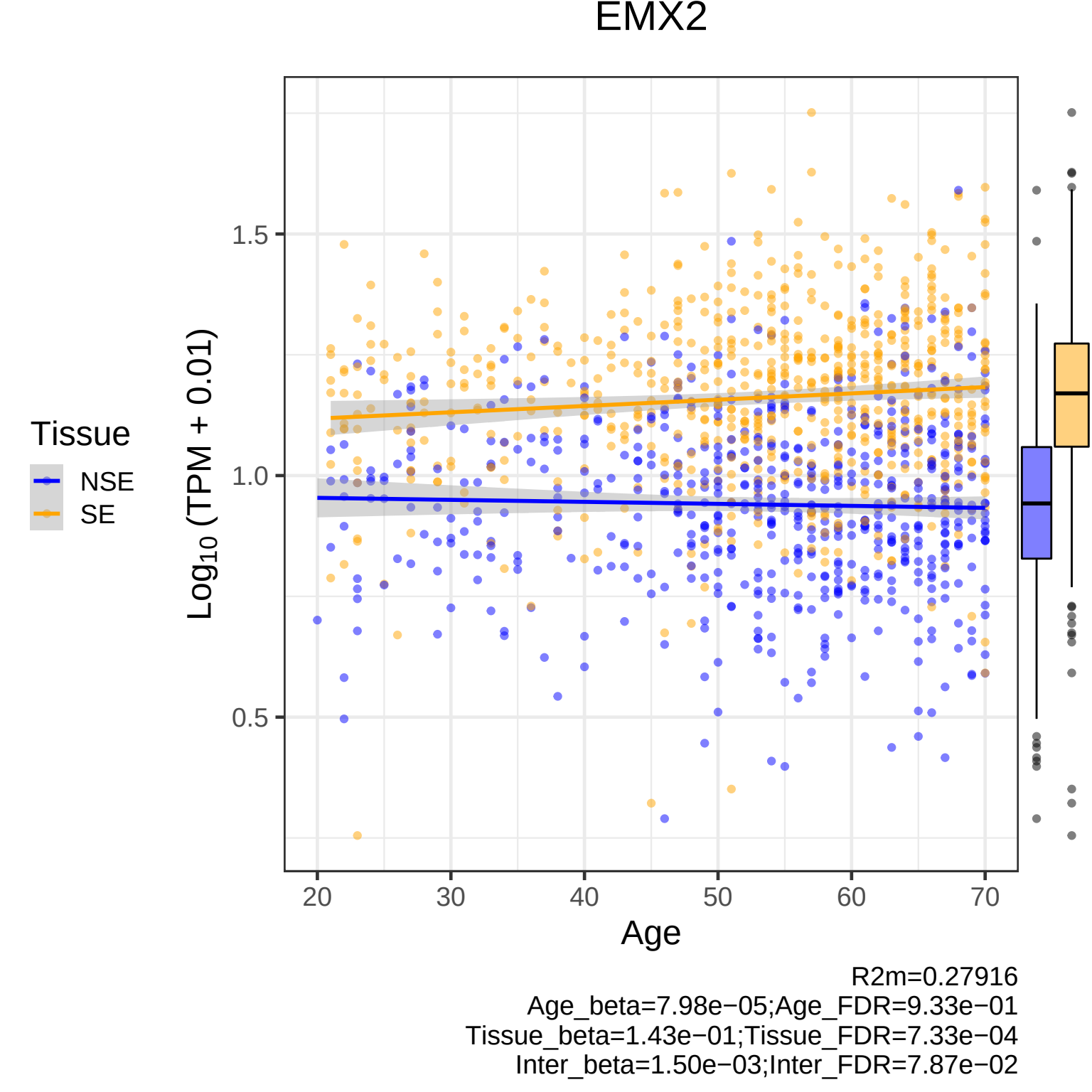

UNC119B
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.50
1.25
1.00
0.75
0.50
20
30
40
50
60
70
Age
R2m=0.2836
Age_beta=−3.49e−03;Age_FDR=2.61e−08
Tissue_beta=−1.40e−01;Tissue_FDR=5.67e−04
Inter_beta=2.12e−03;Inter_FDR=6.76e−03

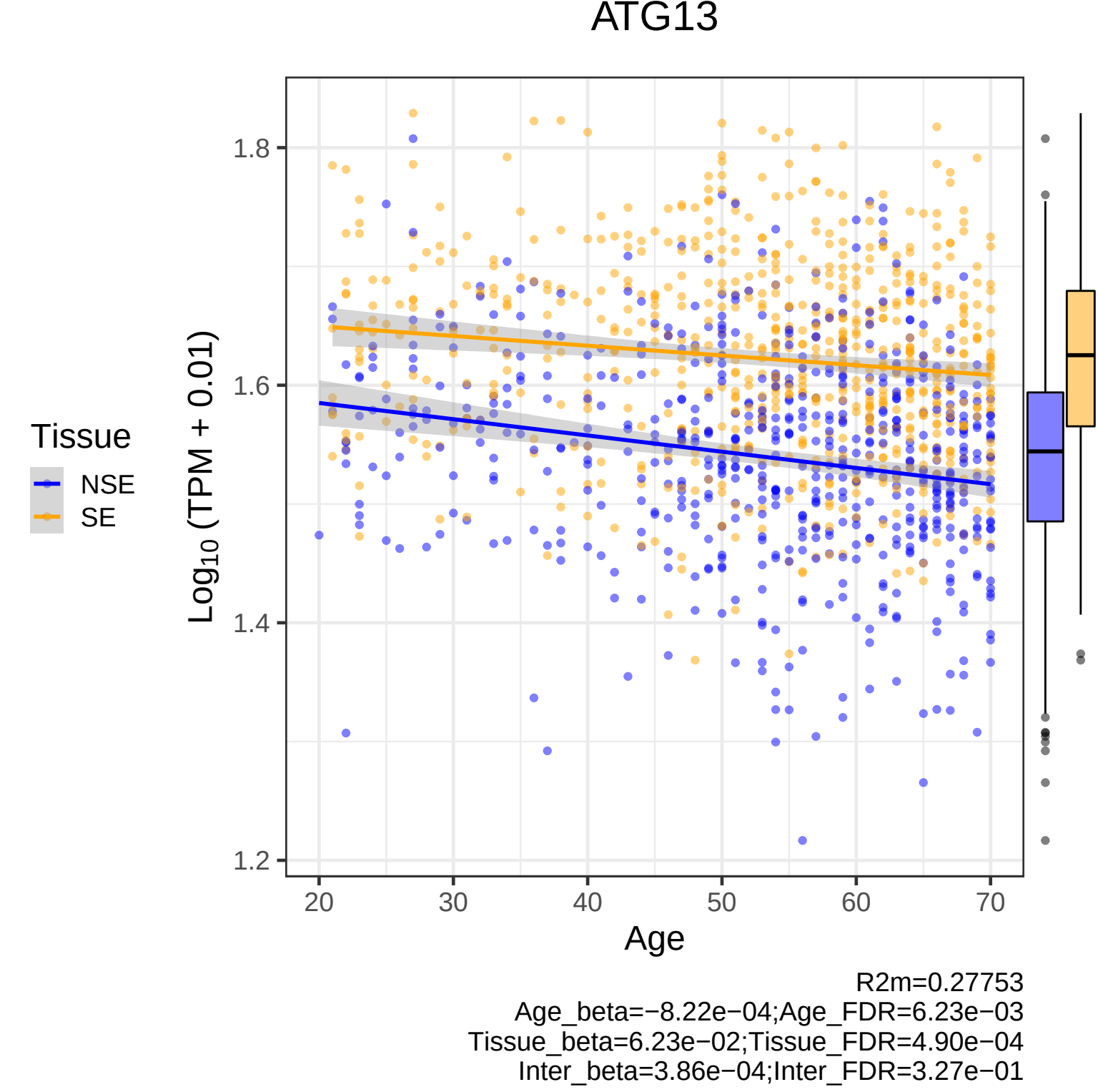

EXT1
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.6
1.2
0.8
0.4
20
30
40
50
60
70
Age
R2m=0.2831
Age_beta=1.64e−03;Age_FDR=3.37e−03
Tissue_beta=−9.29e−03;Tissue_FDR=8.28e−01
Inter_beta=−4.61e−04;Inter_FDR=5.20e−01

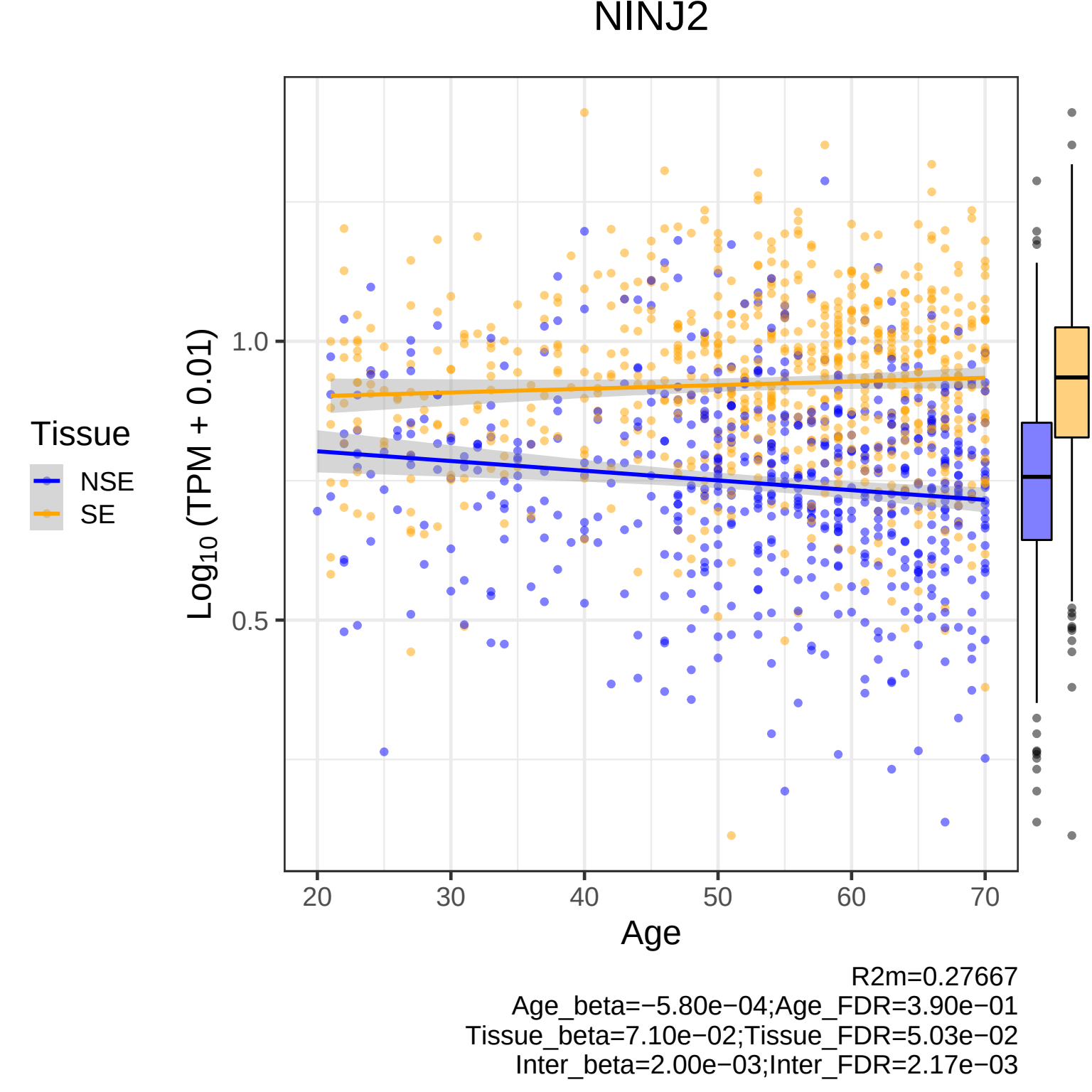

H3F3B
Tissue
NSE
SE
Log10 (TPM + 0.01)
3.6
3.2
2.8
2.4
20
30
40
50
60
70
Age
R2m=0.28215
Age_beta=2.12e−03;Age_FDR=1.72e−04
Tissue_beta=−3.96e−03;Tissue_FDR=9.37e−01
Inter_beta=−1.25e−03;Inter_FDR=6.78e−02

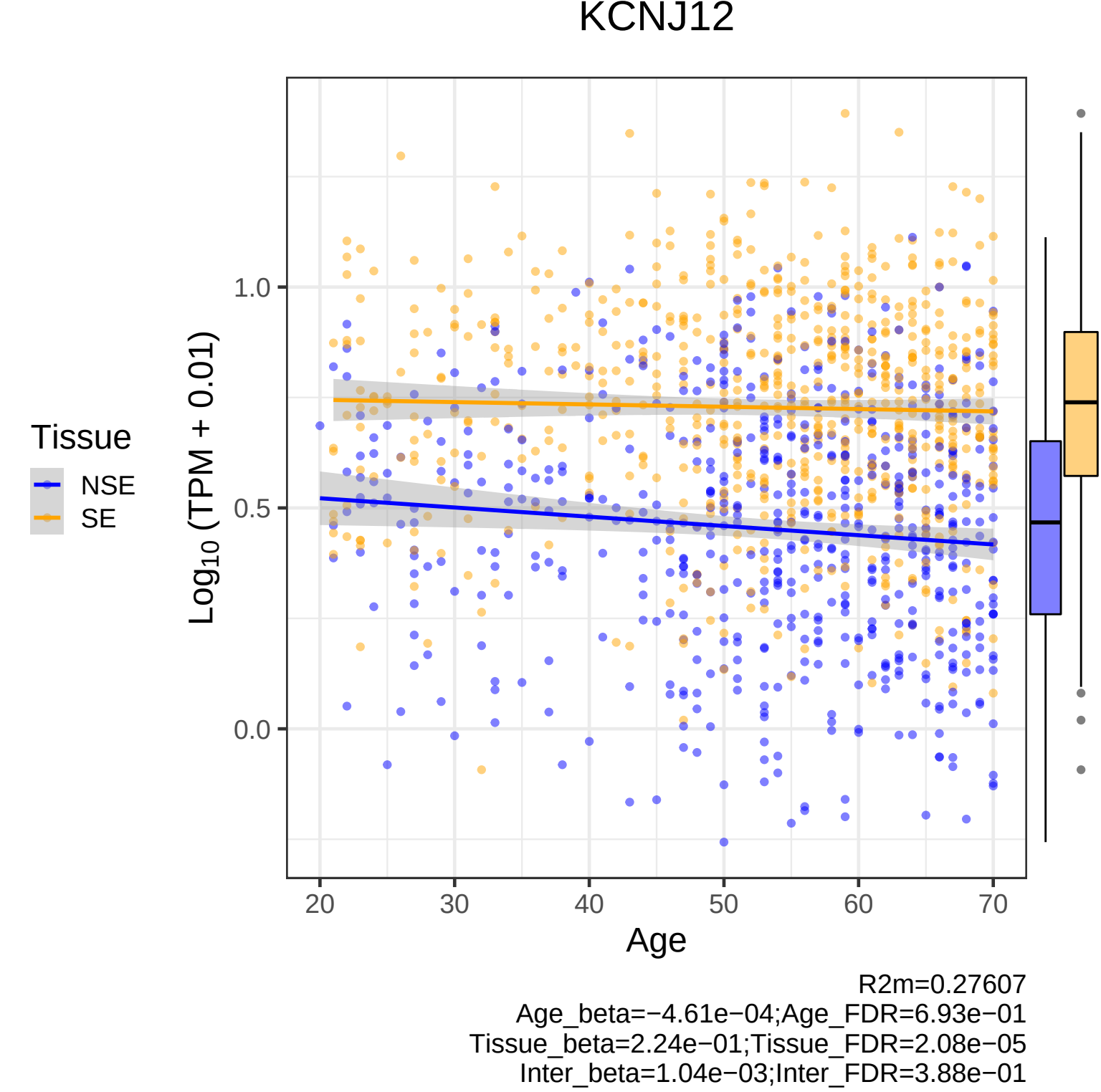

SAPCD1
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.0
1.5
1.0
0.5
20
30
40
50
60
70
Age
R2m=0.28162
Age_beta=1.06e−03;Age_FDR=2.26e−01
Tissue_beta=2.12e−01;Tissue_FDR=3.00e−05
Inter_beta=9.21e−04;Inter_FDR=4.34e−01

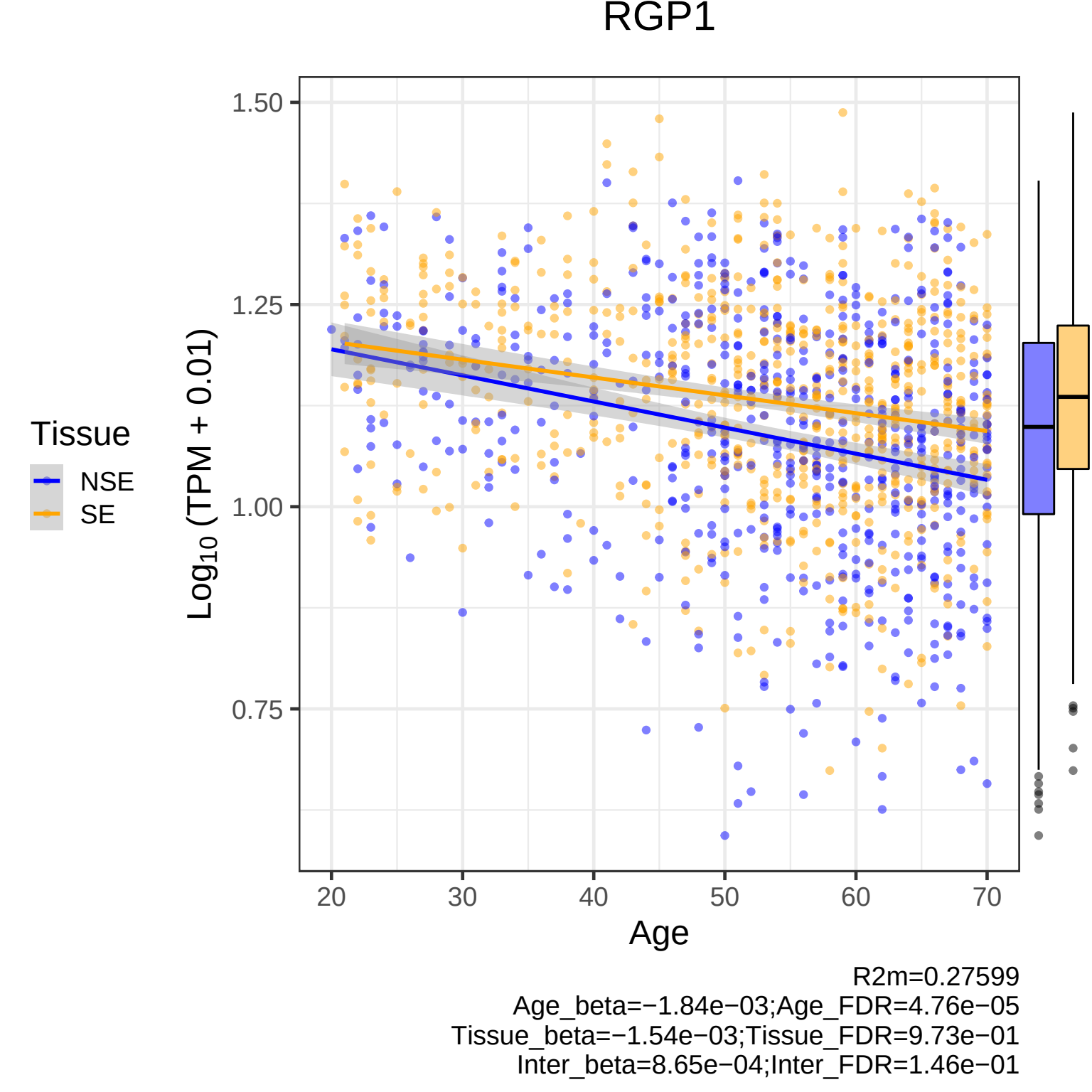

PMAIP1
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.5
2.0
1.5
1.0
0.5
0.0
20
30
40
50
60
70
Age
R2m=0.28139
Age_beta=5.16e−03;Age_FDR=5.41e−06
Tissue_beta=−1.04e−01;Tissue_FDR=2.39e−01
Inter_beta=−3.36e−03;Inter_FDR=2.81e−02

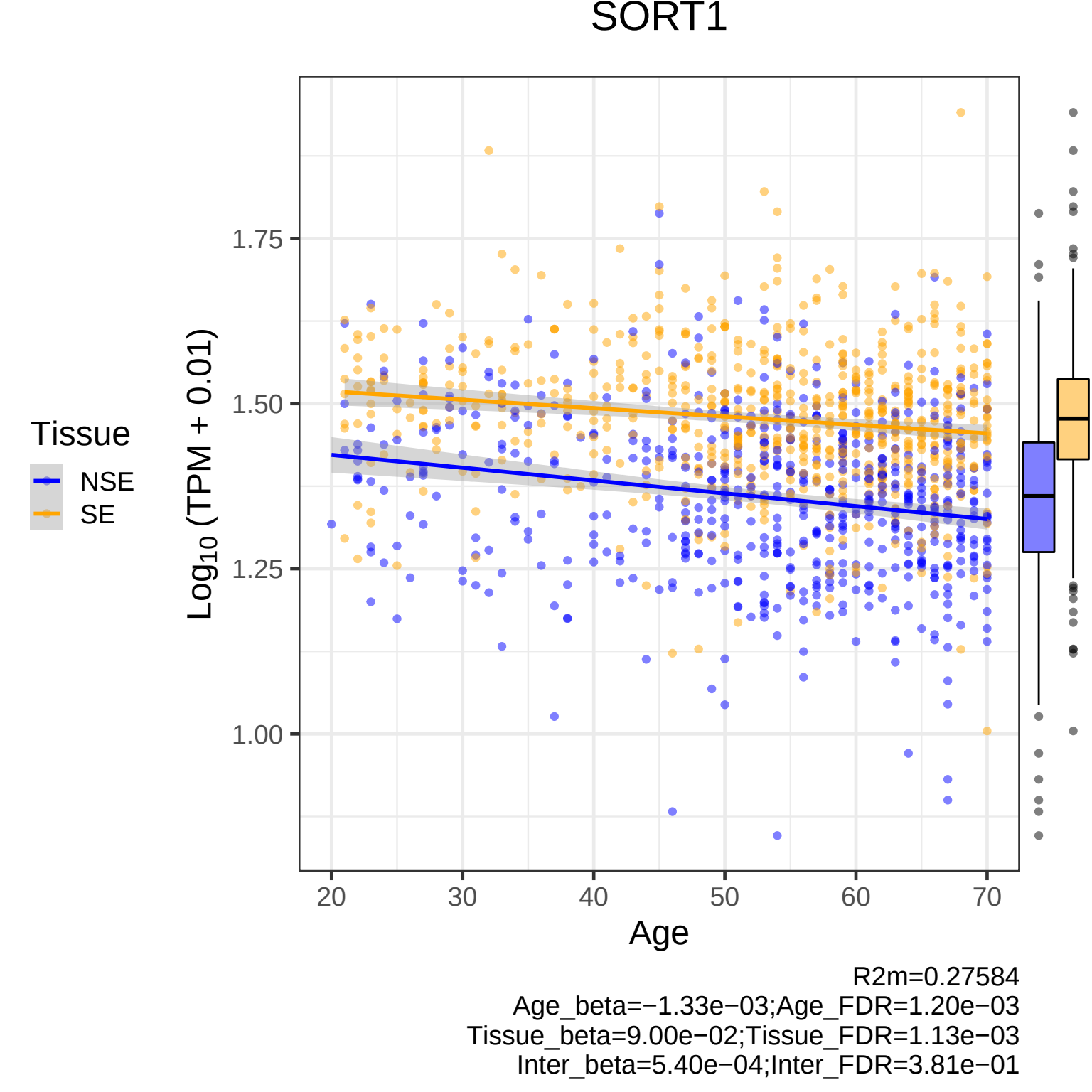

EMX2
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.5
1.0
0.5
20
30
40
50
60
70
Age
R2m=0.27916
Age_beta=7.98e−05;Age_FDR=9.33e−01
Tissue_beta=1.43e−01;Tissue_FDR=7.33e−04
Inter_beta=1.50e−03;Inter_FDR=7.87e−02

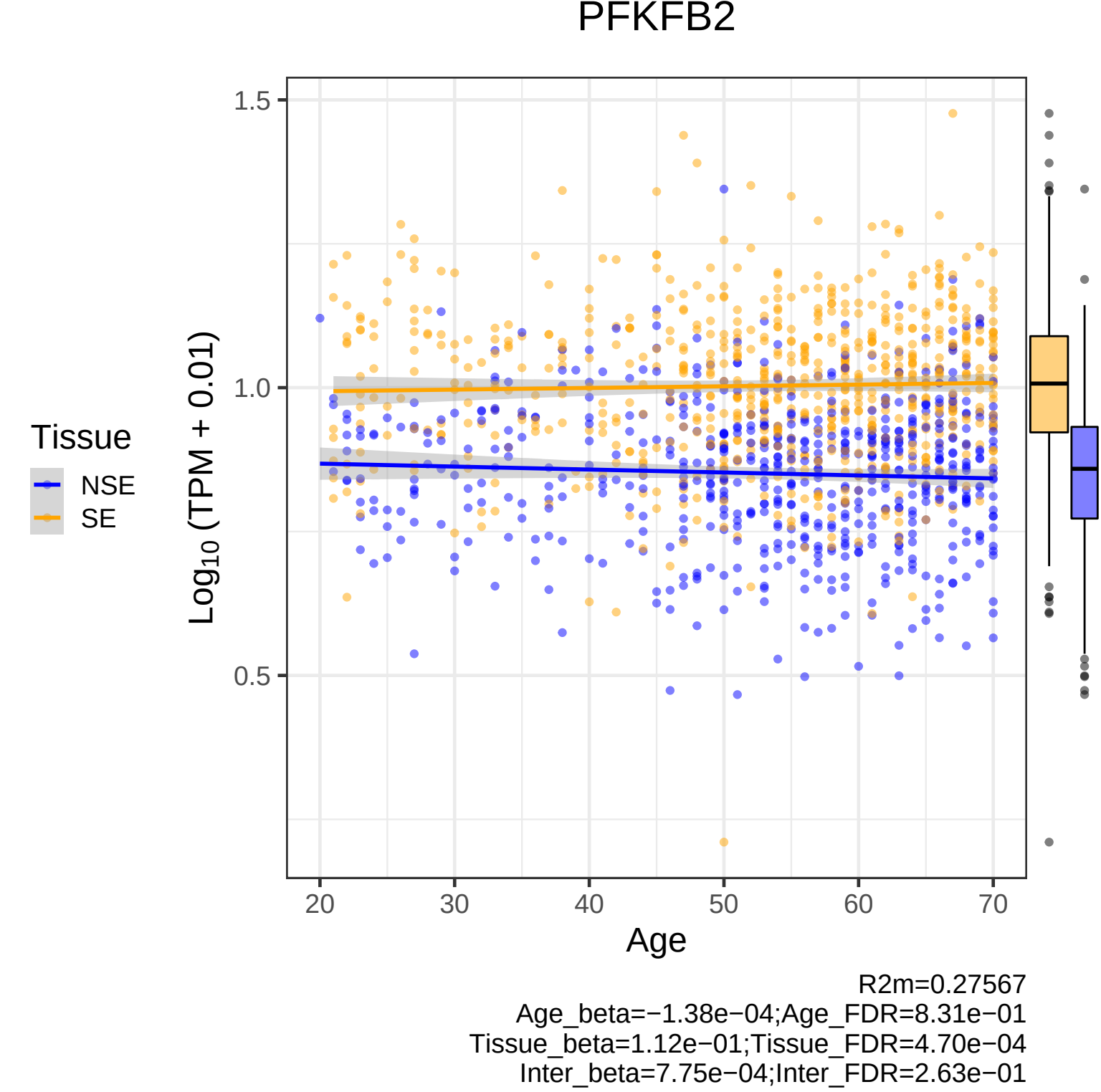

ATG13
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.8
1.6
1.4
1.2
20
30
40
50
60
70
Age
R2m=0.27753
Age_beta=−8.22e−04;Age_FDR=6.23e−03
Tissue_beta=6.23e−02;Tissue_FDR=4.90e−04
Inter_beta=3.86e−04;Inter_FDR=3.27e−01

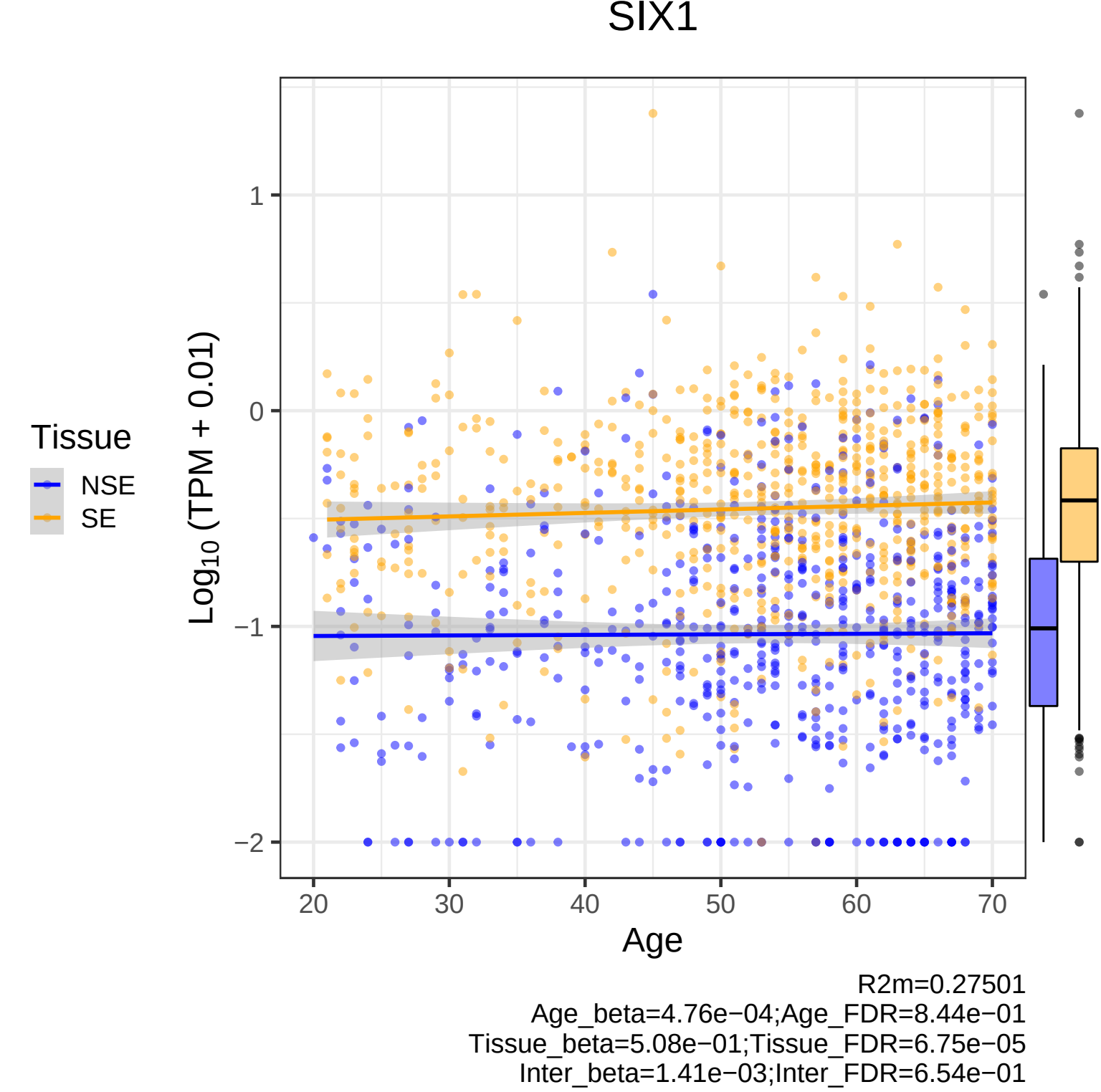

NINJ2
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.0
0.5
20
30
40
50
60
70
Age
R2m=0.27667
Age_beta=−5.80e−04;Age_FDR=3.90e−01
Tissue_beta=7.10e−02;Tissue_FDR=5.03e−02
Inter_beta=2.00e−03;Inter_FDR=2.17e−03

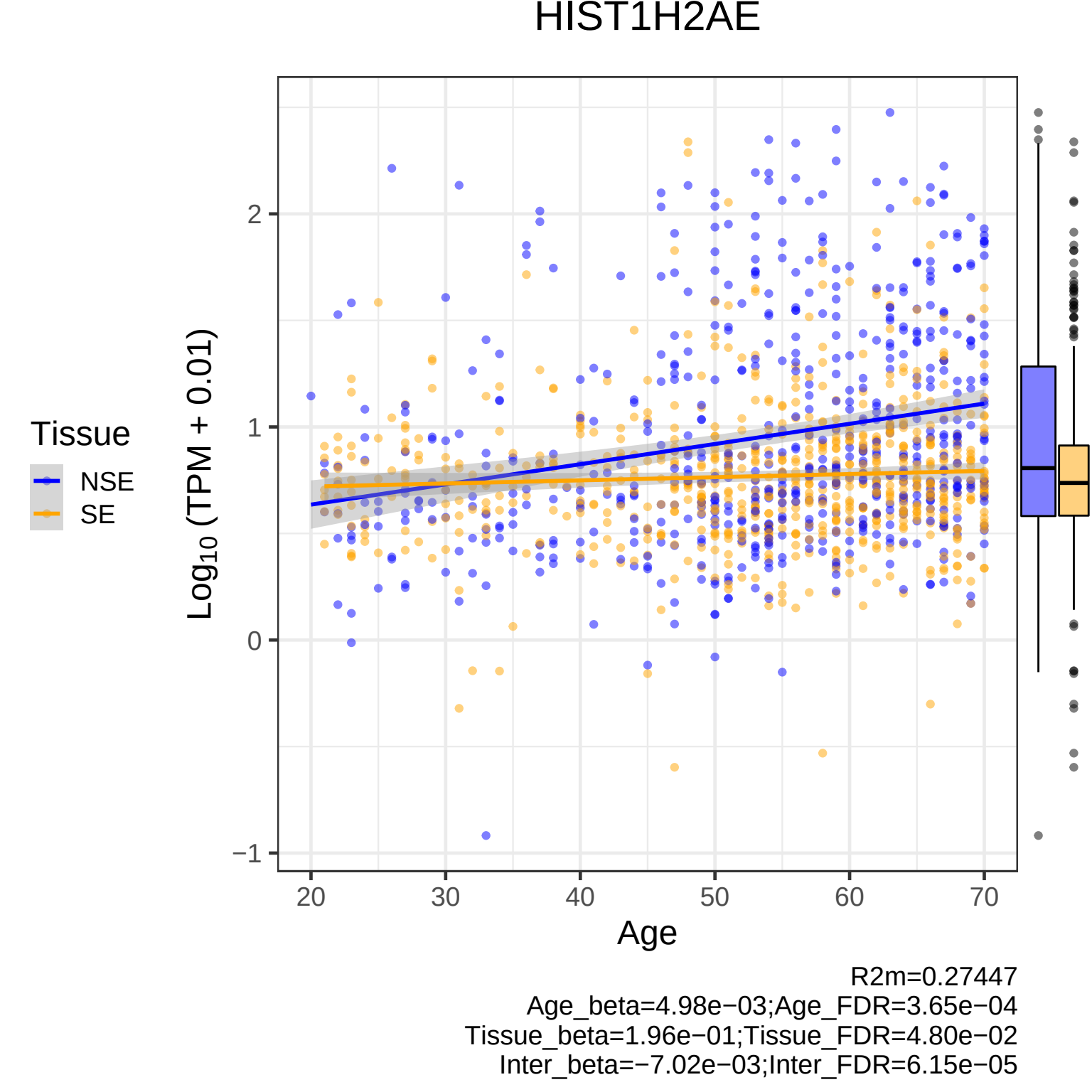

KCNJ12
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.0
0.5
0.0
20
30
40
50
60
70
Age
R2m=0.27607
Age_beta=−4.61e−04;Age_FDR=6.93e−01
Tissue_beta=2.24e−01;Tissue_FDR=2.08e−05
Inter_beta=1.04e−03;Inter_FDR=3.88e−01

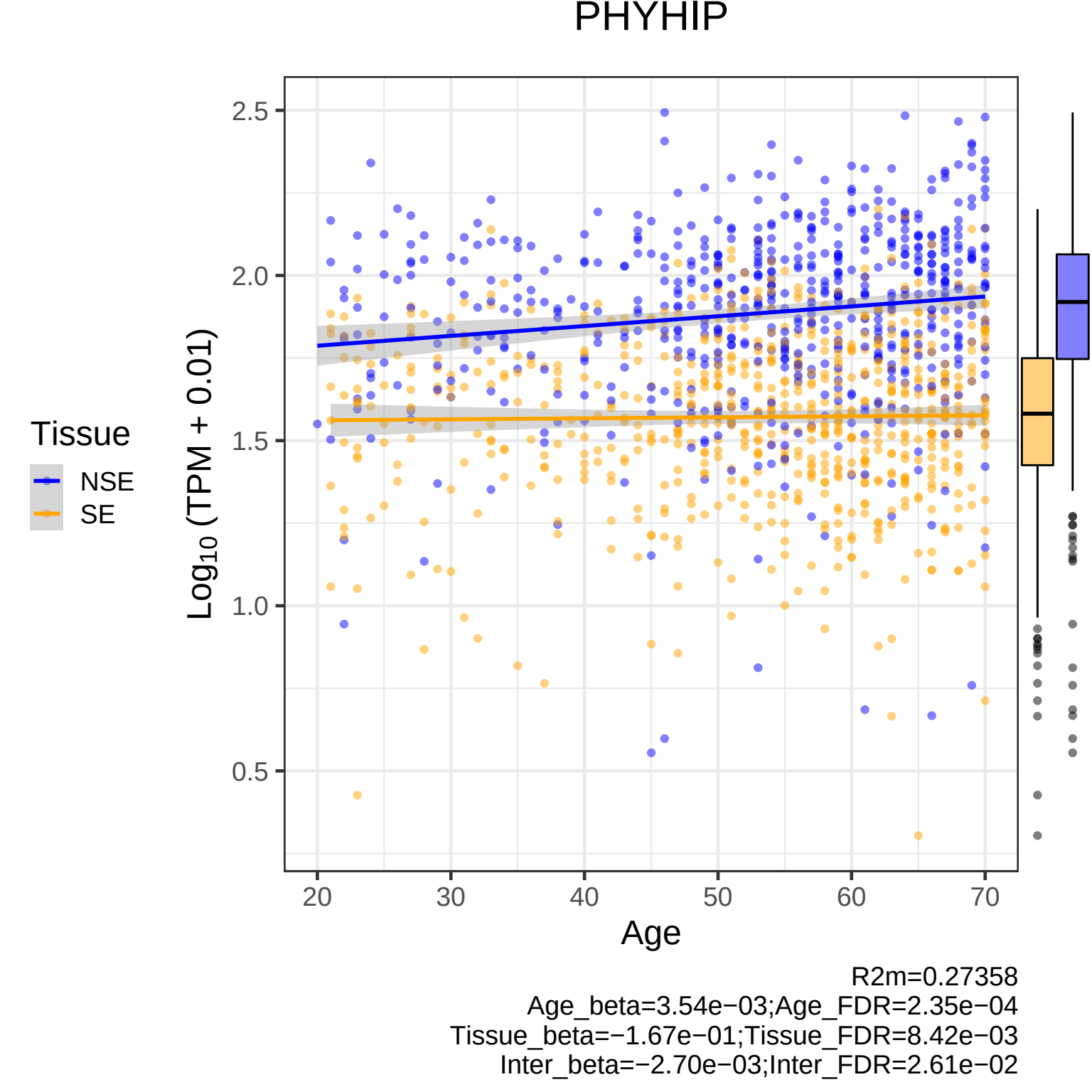

RGP1
Tissue
NSE
SE
1.50
1.25
1.00
0.75
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.27599
Age_beta=−1.84e−03;Age_FDR=4.76e−05
Tissue_beta=−1.54e−03;Tissue_FDR=9.73e−01
Inter_beta=8.65e−04;Inter_FDR=1.46e−01

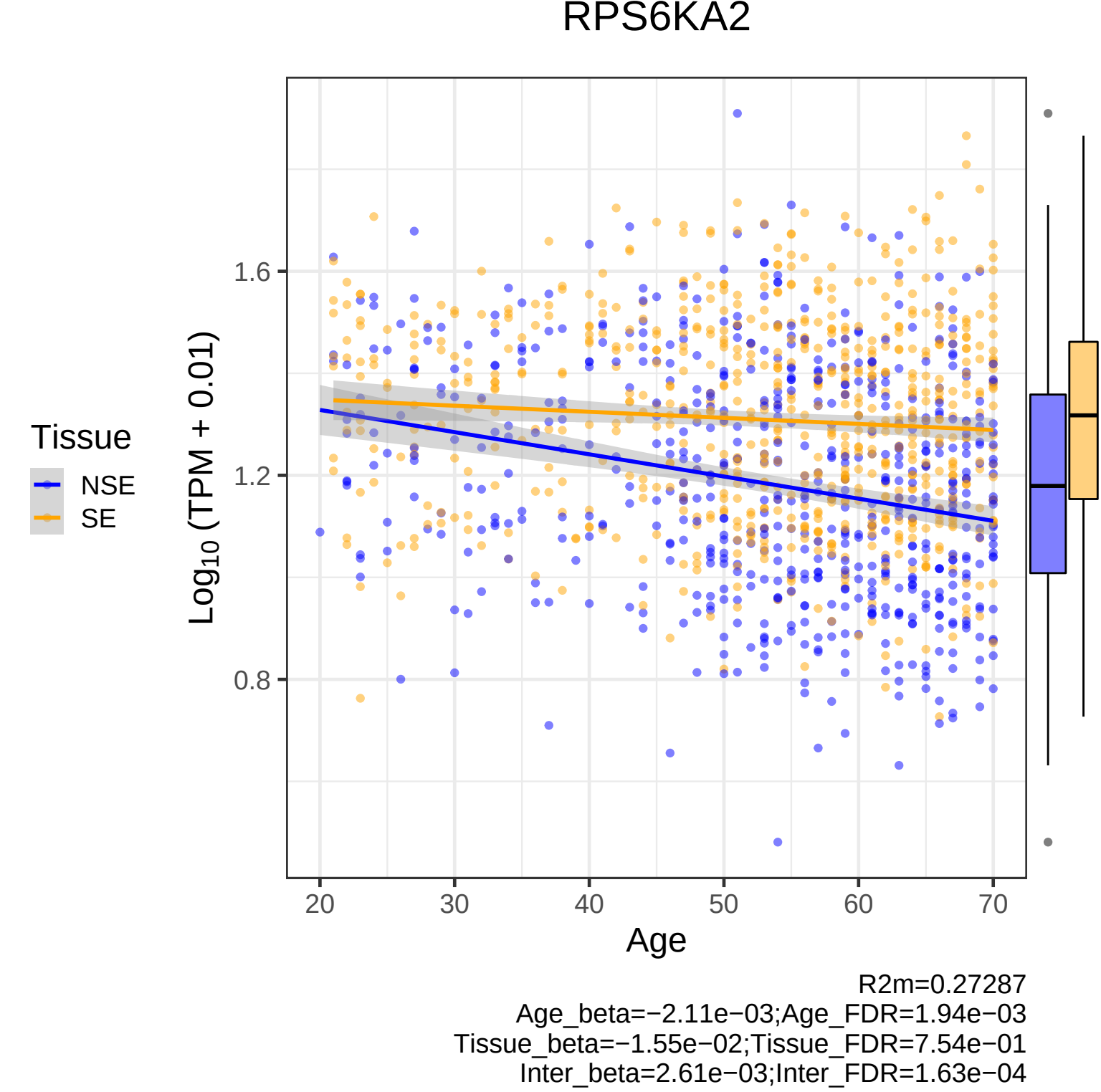

SORT1
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.75
1.50
1.25
1.00
20
30
40
50
60
70
Age
R2m=0.27584
Age_beta=−1.33e−03;Age_FDR=1.20e−03
Tissue_beta=9.00e−02;Tissue_FDR=1.13e−03
Inter_beta=5.40e−04;Inter_FDR=3.81e−01

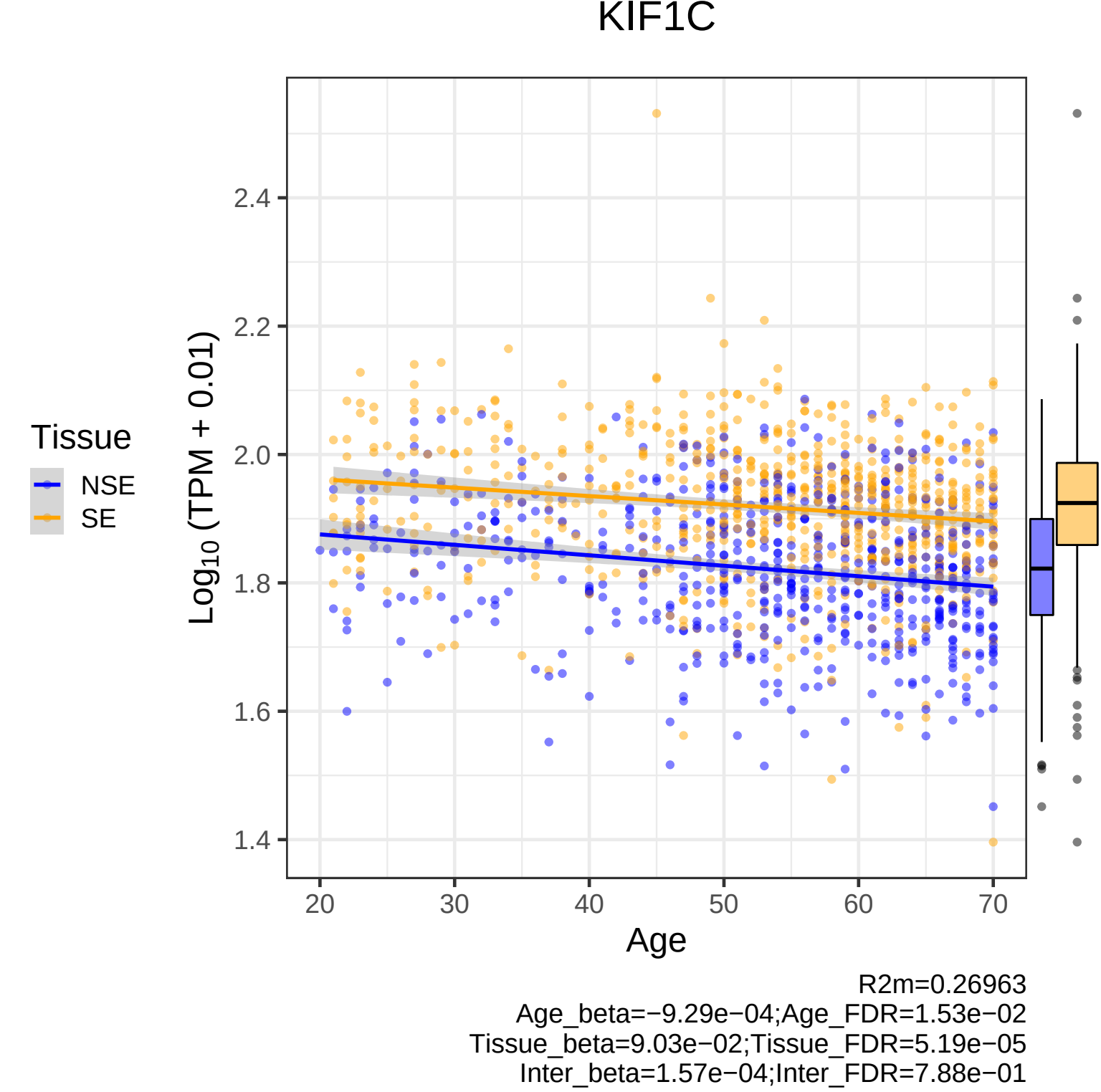

PFKFB2
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.5
1.0
0.5
20
30
40
50
60
70
Age
R2m=0.27567
Age_beta=−1.38e−04;Age_FDR=8.31e−01
Tissue_beta=1.12e−01;Tissue_FDR=4.70e−04
Inter_beta=7.75e−04;Inter_FDR=2.63e−01

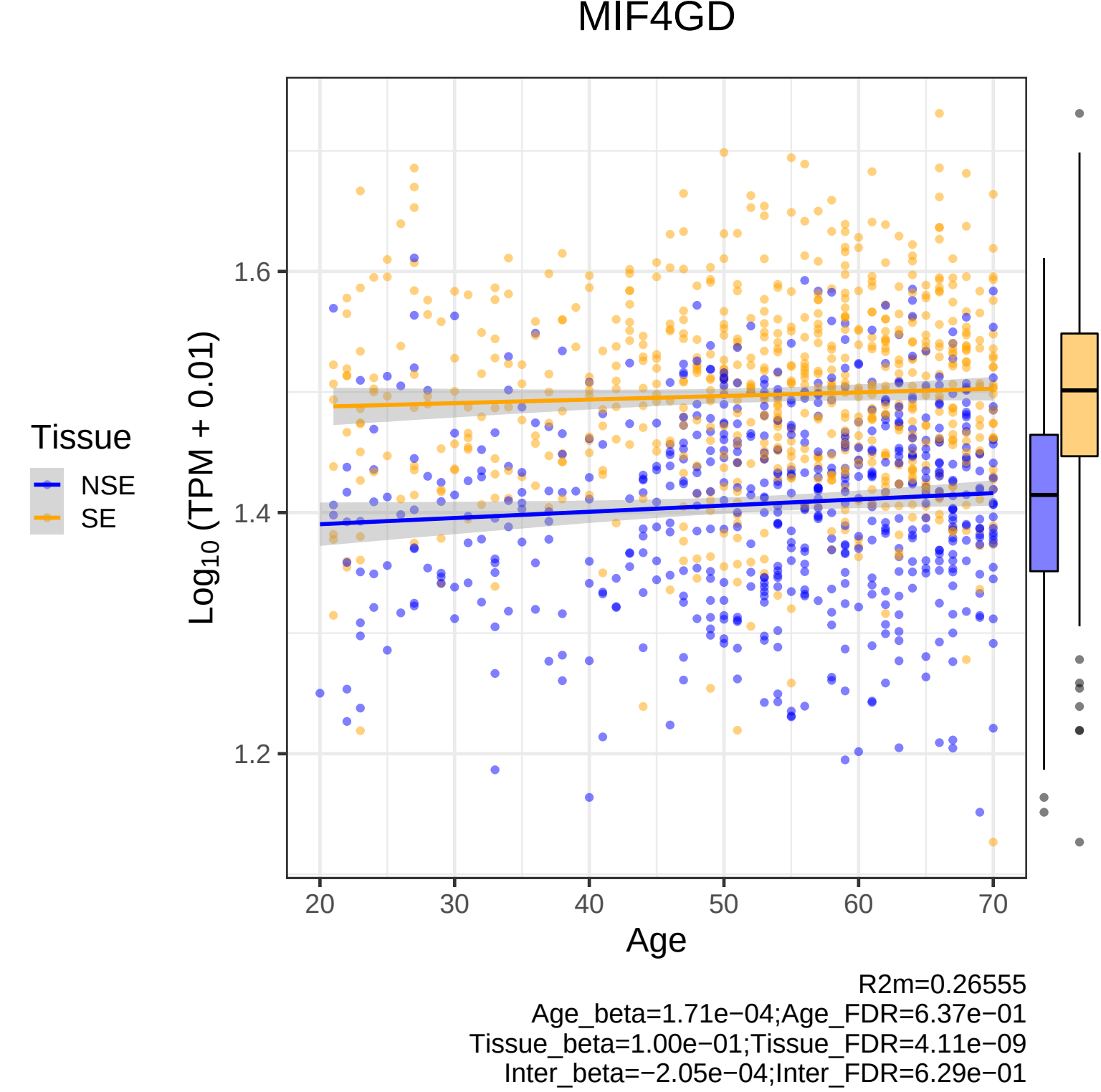

SIX1
Tissue
NSE
SE
Log10 (TPM + 0.01)
1
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.27501
Age_beta=4.76e−04;Age_FDR=8.44e−01
Tissue_beta=5.08e−01;Tissue_FDR=6.75e−05
Inter_beta=1.41e−03;Inter_FDR=6.54e−01

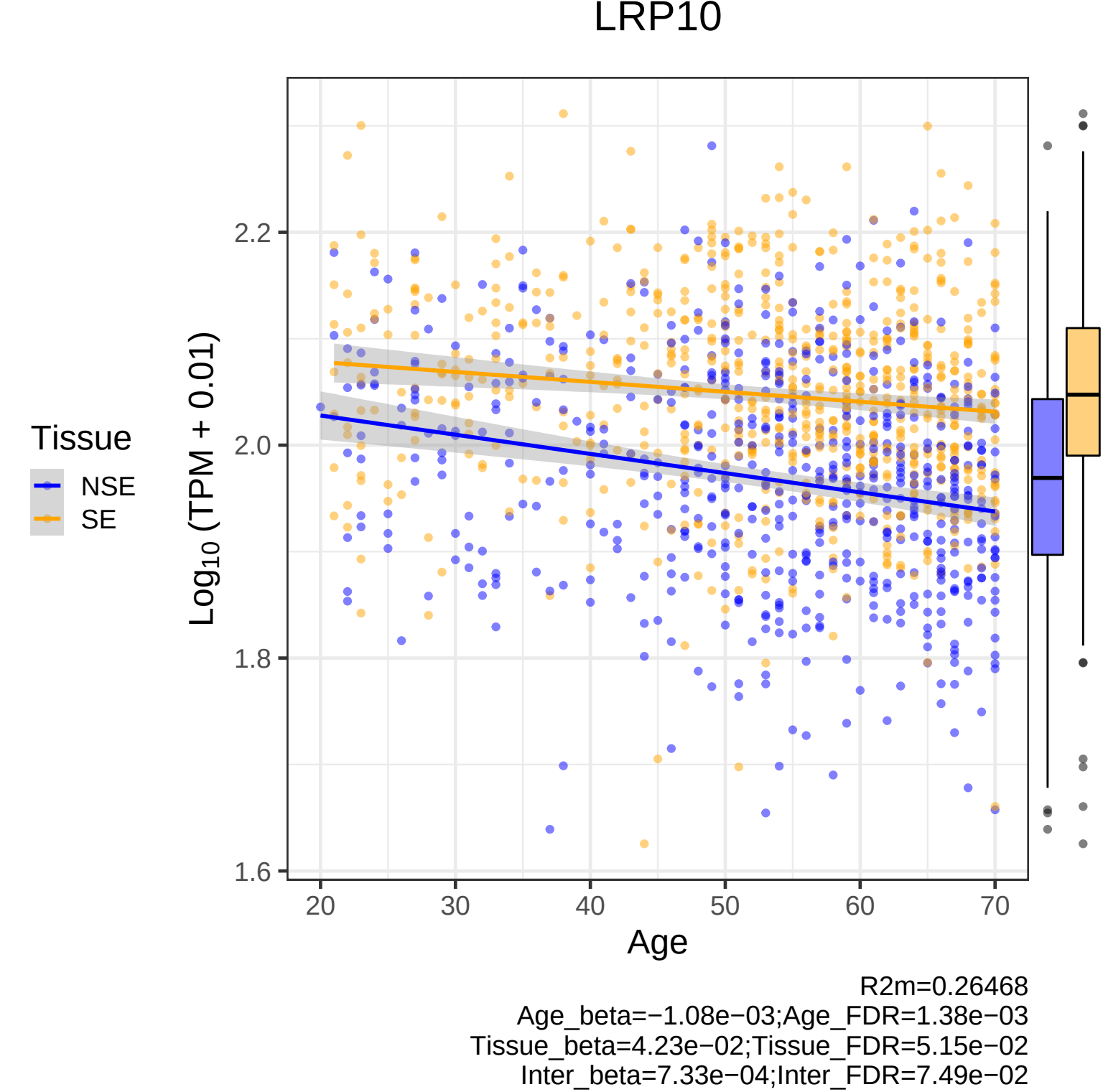

HIST1H2AE
Tissue
NSE
SE
Log10 (TPM + 0.01)
2
1
0
−1
20
30
40
50
60
70
Age
R2m=0.27447
Age_beta=4.98e−03;Age_FDR=3.65e−04
Tissue_beta=1.96e−01;Tissue_FDR=4.80e−02
Inter_beta=−7.02e−03;Inter_FDR=6.15e−05

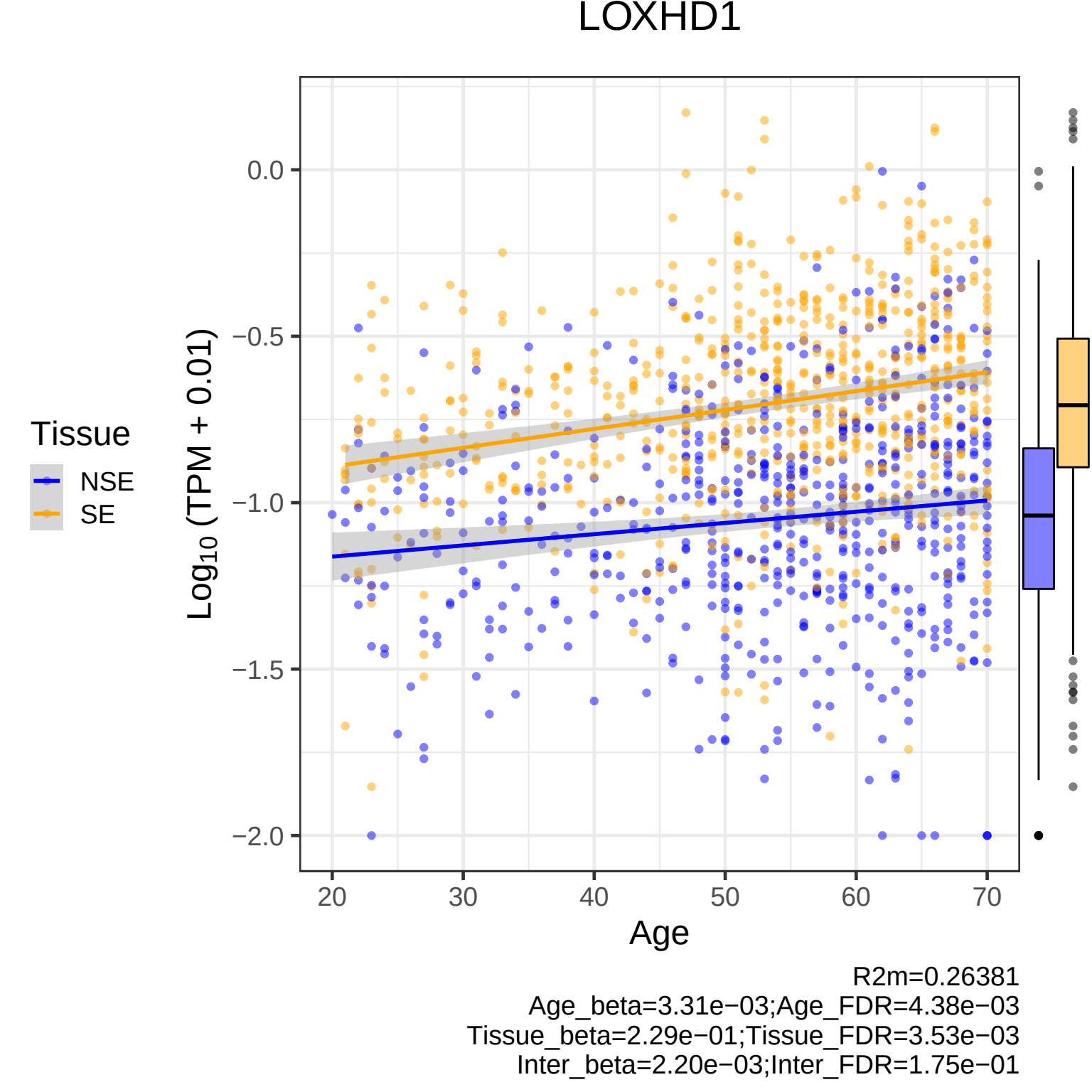

PHYHIP
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.5
2.0
1.5
1.0
0.5
20
30
40
50
60
70
Age
R2m=0.27358
Age_beta=3.54e−03;Age_FDR=2.35e−04
Tissue_beta=−1.67e−01;Tissue_FDR=8.42e−03
Inter_beta=−2.70e−03;Inter_FDR=2.61e−02

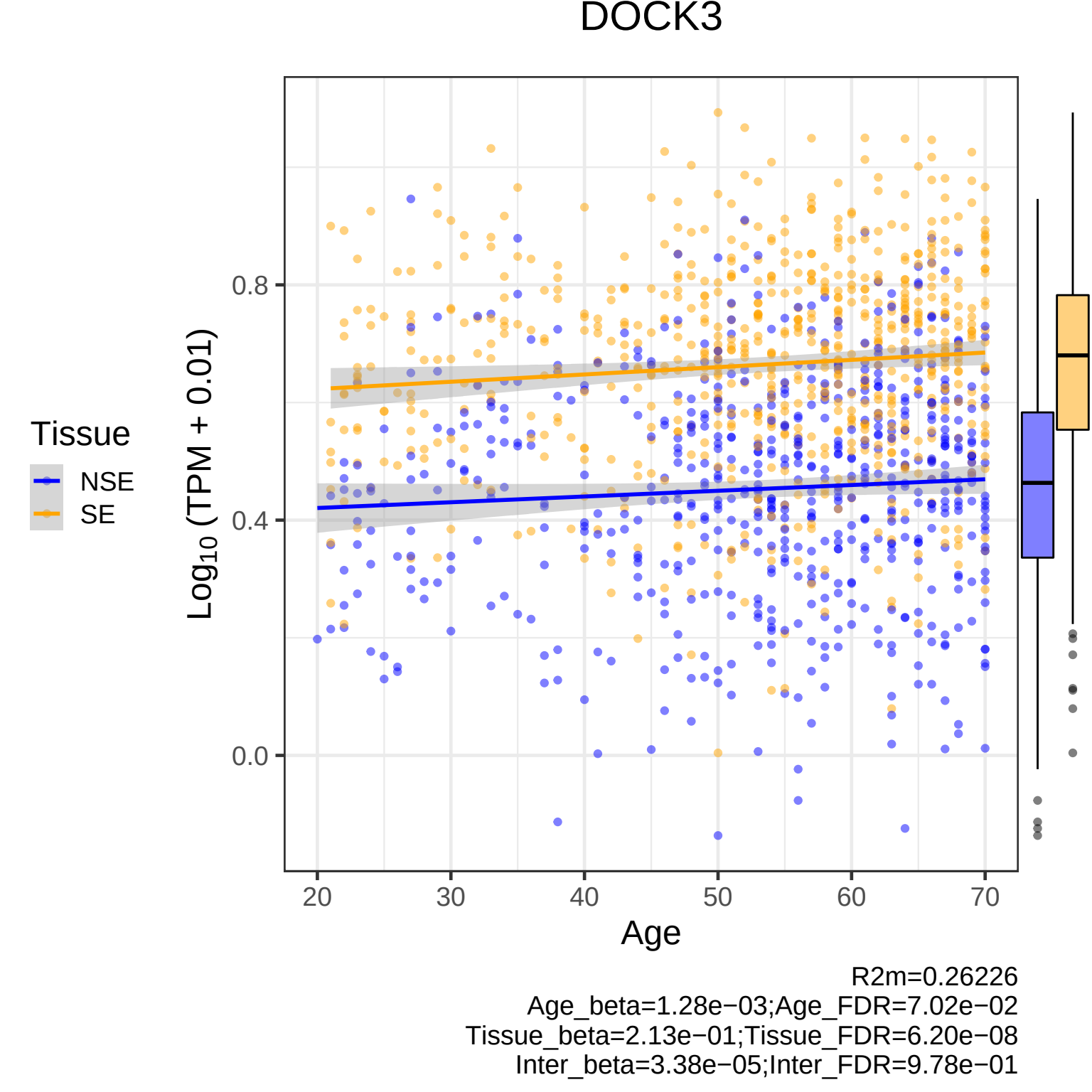

RPS6KA2
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.6
1.2
0.8
20
30
40
50
60
70
Age
R2m=0.27287
Age_beta=−2.11e−03;Age_FDR=1.94e−03
Tissue_beta=−1.55e−02;Tissue_FDR=7.54e−01
Inter_beta=2.61e−03;Inter_FDR=1.63e−04

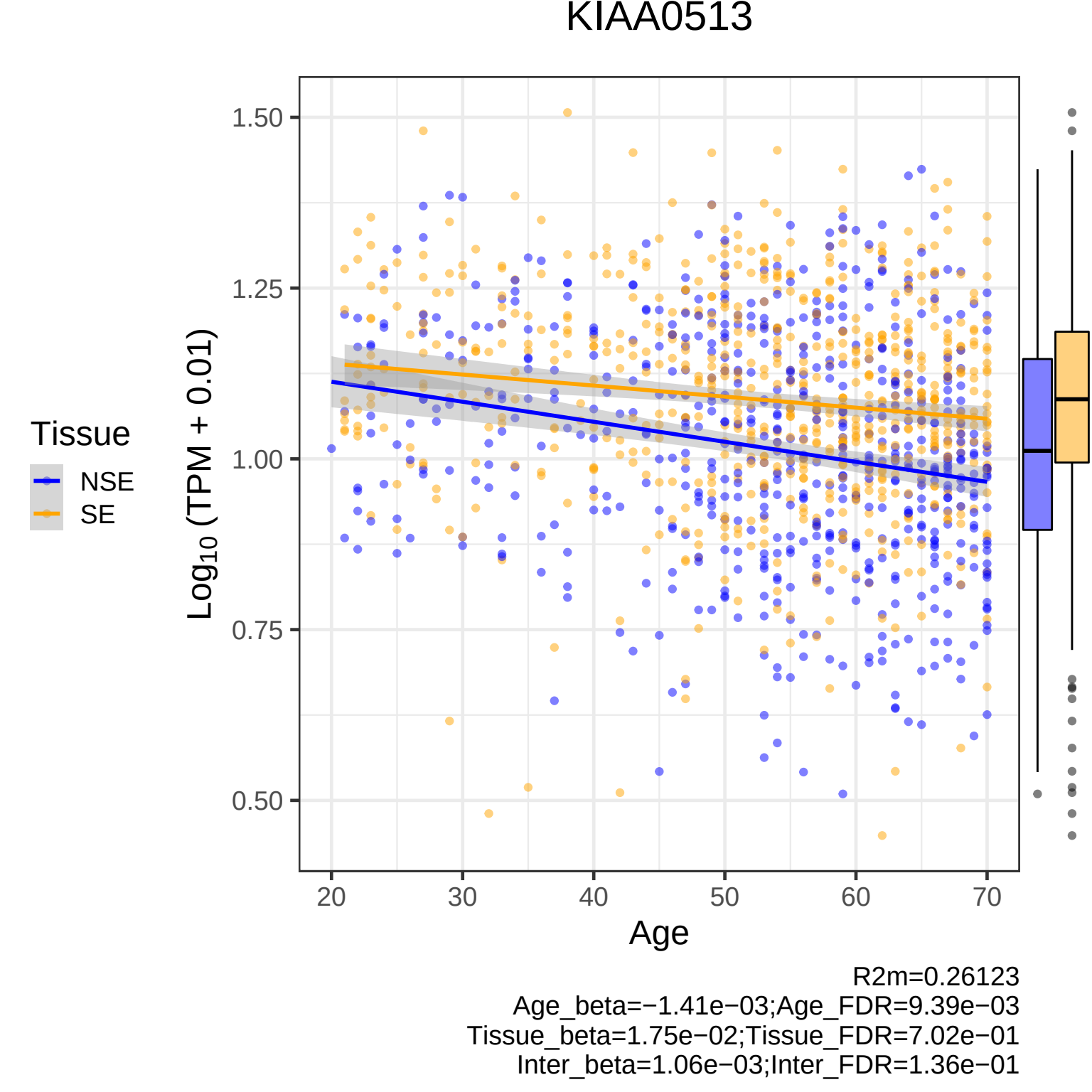

KIF1C
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.4
2.2
2.0
1.8
1.6
1.4
20
30
40
50
60
70
Age
R2m=0.26963
Age_beta=−9.29e−04;Age_FDR=1.53e−02
Tissue_beta=9.03e−02;Tissue_FDR=5.19e−05
Inter_beta=1.57e−04;Inter_FDR=7.88e−01

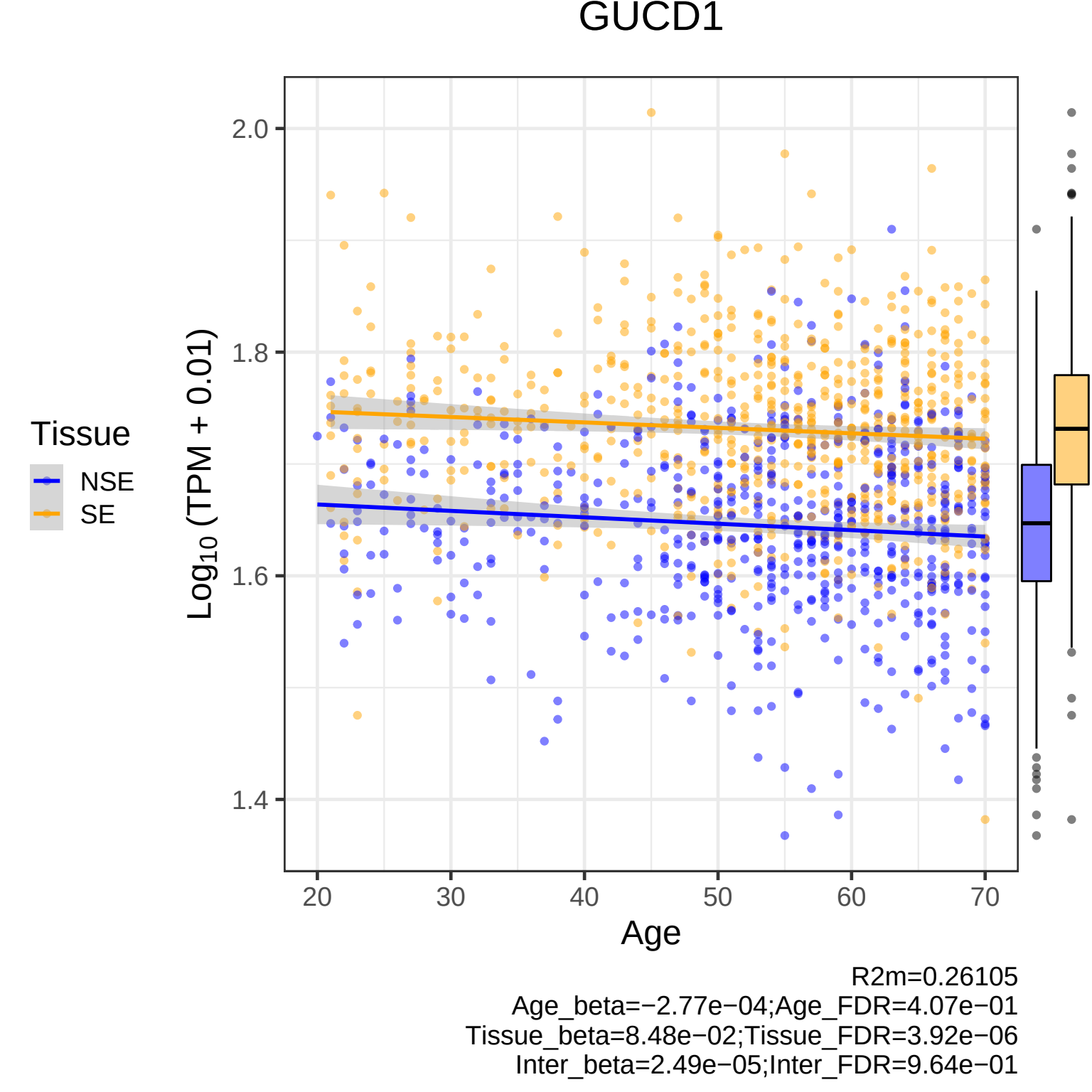

MIF4GD
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.6
1.4
1.2
20
30
40
50
60
70
Age
R2m=0.26555
Age_beta=1.71e−04;Age_FDR=6.37e−01
Tissue_beta=1.00e−01;Tissue_FDR=4.11e−09
Inter_beta=−2.05e−04;Inter_FDR=6.29e−01

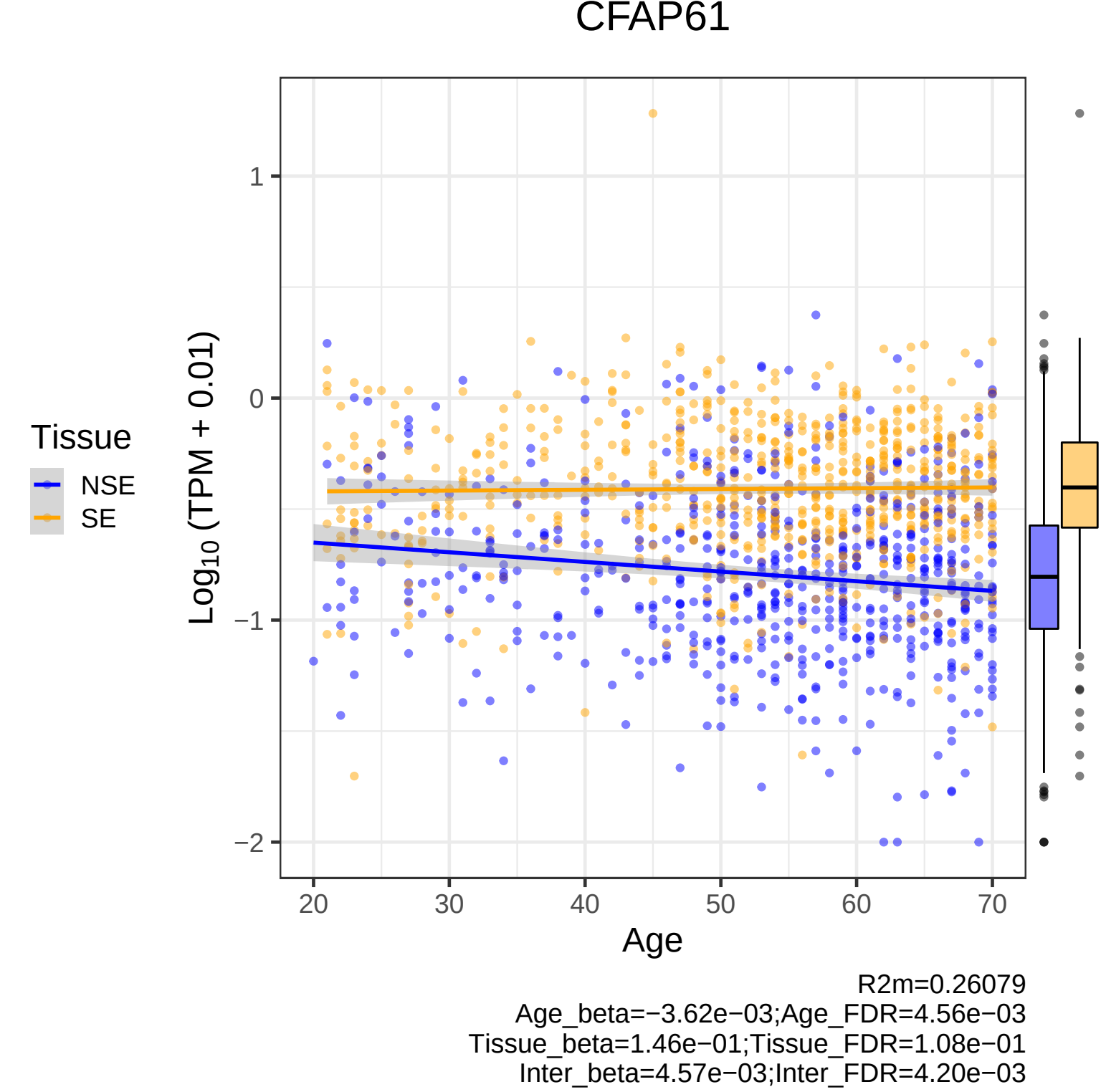

LRP10
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.2
2.0
1.8
1.6
20
30
40
50
60
70
Age
R2m=0.26468
Age_beta=−1.08e−03;Age_FDR=1.38e−03
Tissue_beta=4.23e−02;Tissue_FDR=5.15e−02
Inter_beta=7.33e−04;Inter_FDR=7.49e−02

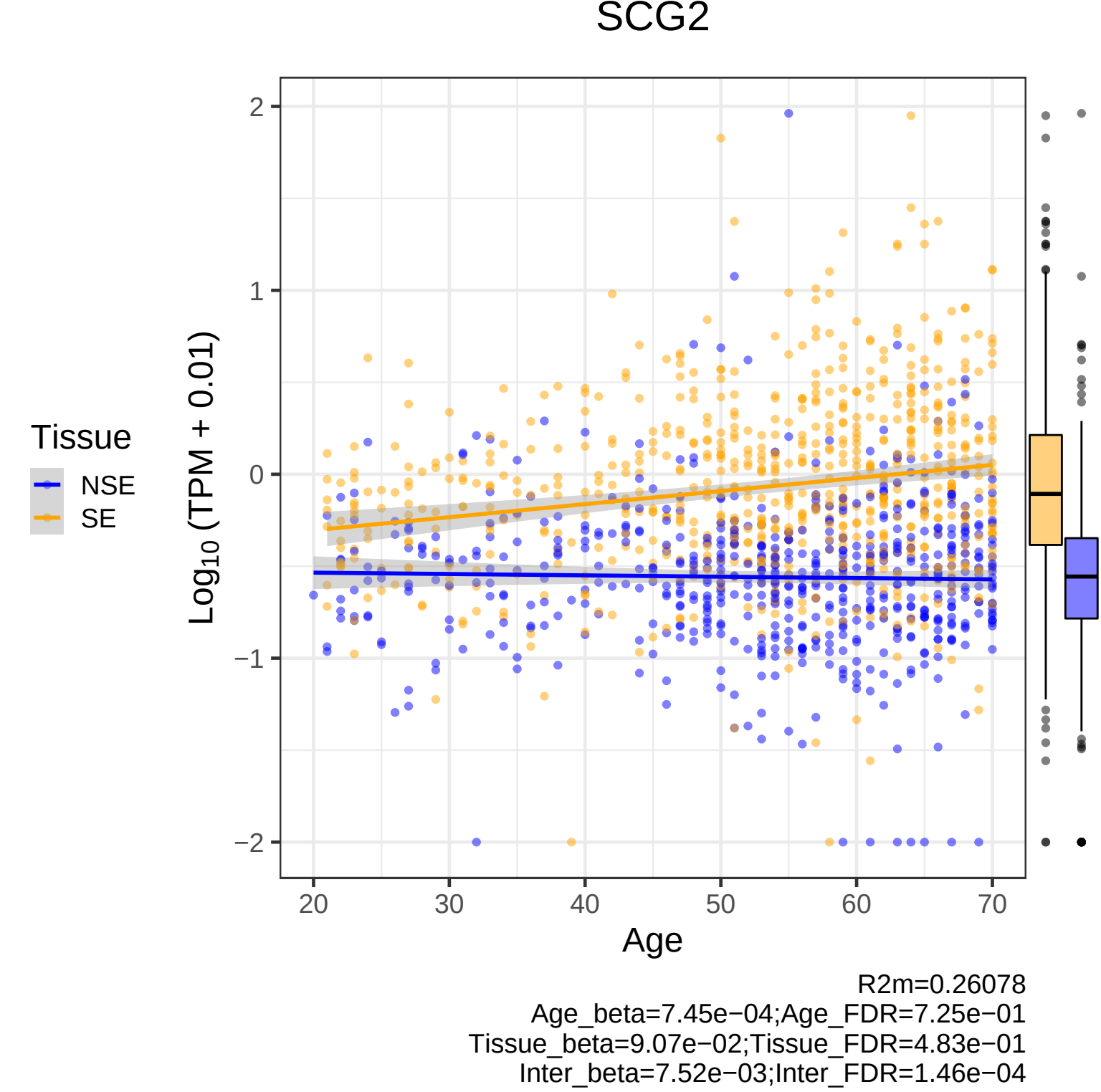

LOXHD1
Tissue
NSE
SE
0.0
−0.5
−1.0
−1.5
−2.0
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.26381
Age_beta=3.31e−03;Age_FDR=4.38e−03
Tissue_beta=2.29e−01;Tissue_FDR=3.53e−03
Inter_beta=2.20e−03;Inter_FDR=1.75e−01

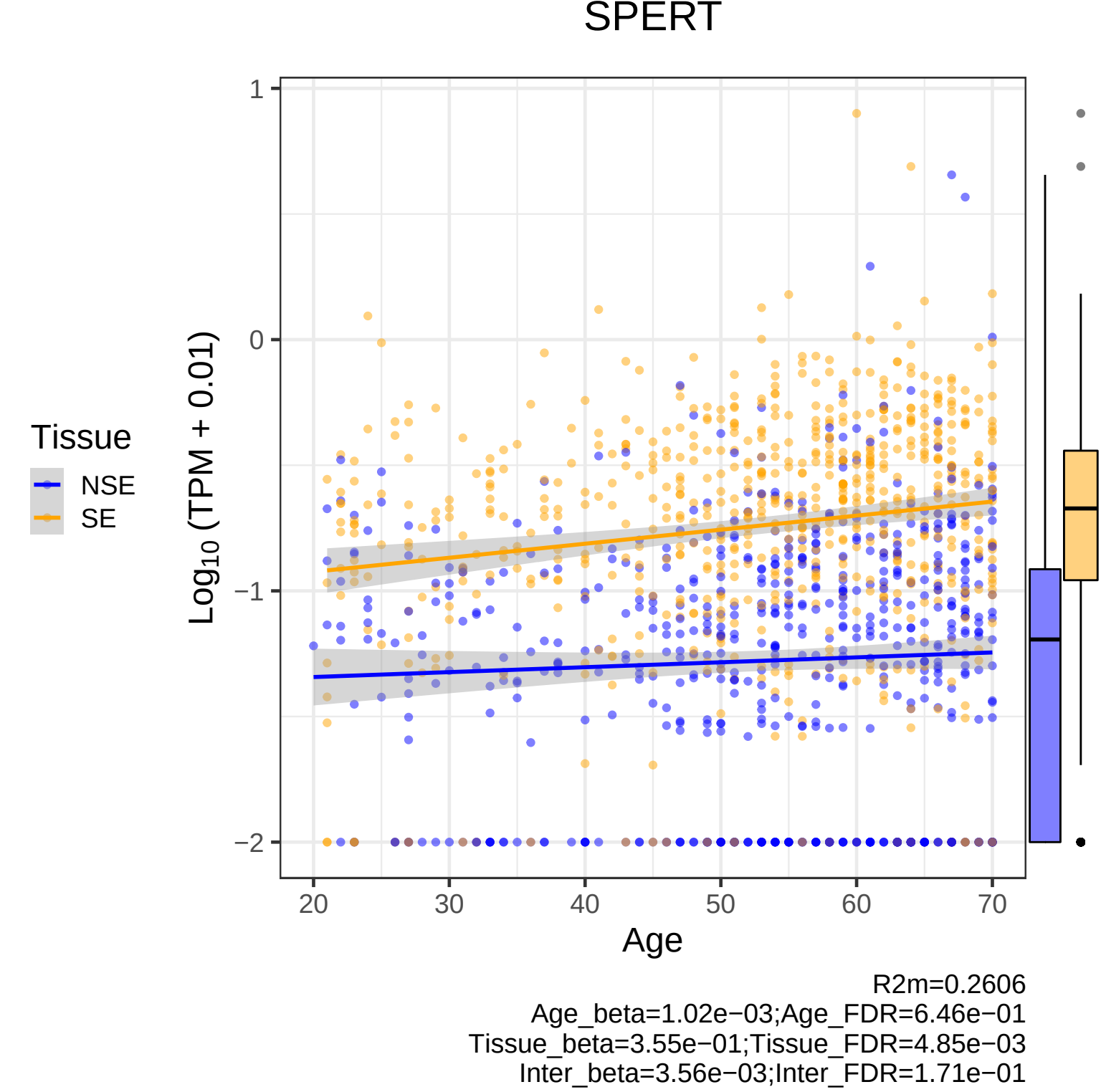

DOCK3
Tissue
NSE
SE
Log10 (TPM + 0.01)
0.8
0.4
0.0
20
30
40
50
60
70
Age
R2m=0.26226
Age_beta=1.28e−03;Age_FDR=7.02e−02
Tissue_beta=2.13e−01;Tissue_FDR=6.20e−08
Inter_beta=3.38e−05;Inter_FDR=9.78e−01

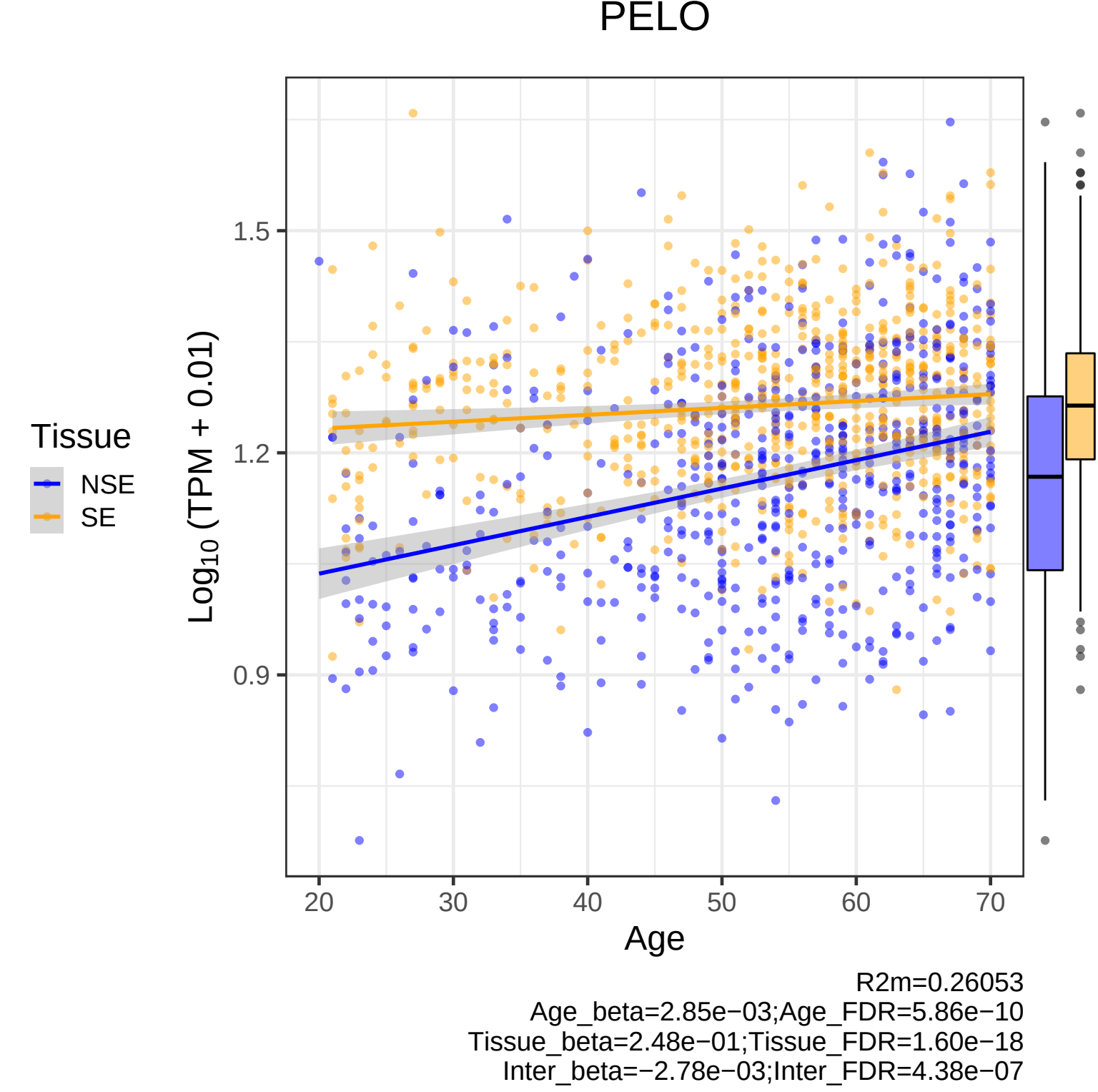

KIAA0513
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.50
1.25
1.00
0.75
0.50
20
30
40
50
60
70
Age
R2m=0.26123
Age_beta=−1.41e−03;Age_FDR=9.39e−03
Tissue_beta=1.75e−02;Tissue_FDR=7.02e−01
Inter_beta=1.06e−03;Inter_FDR=1.36e−01

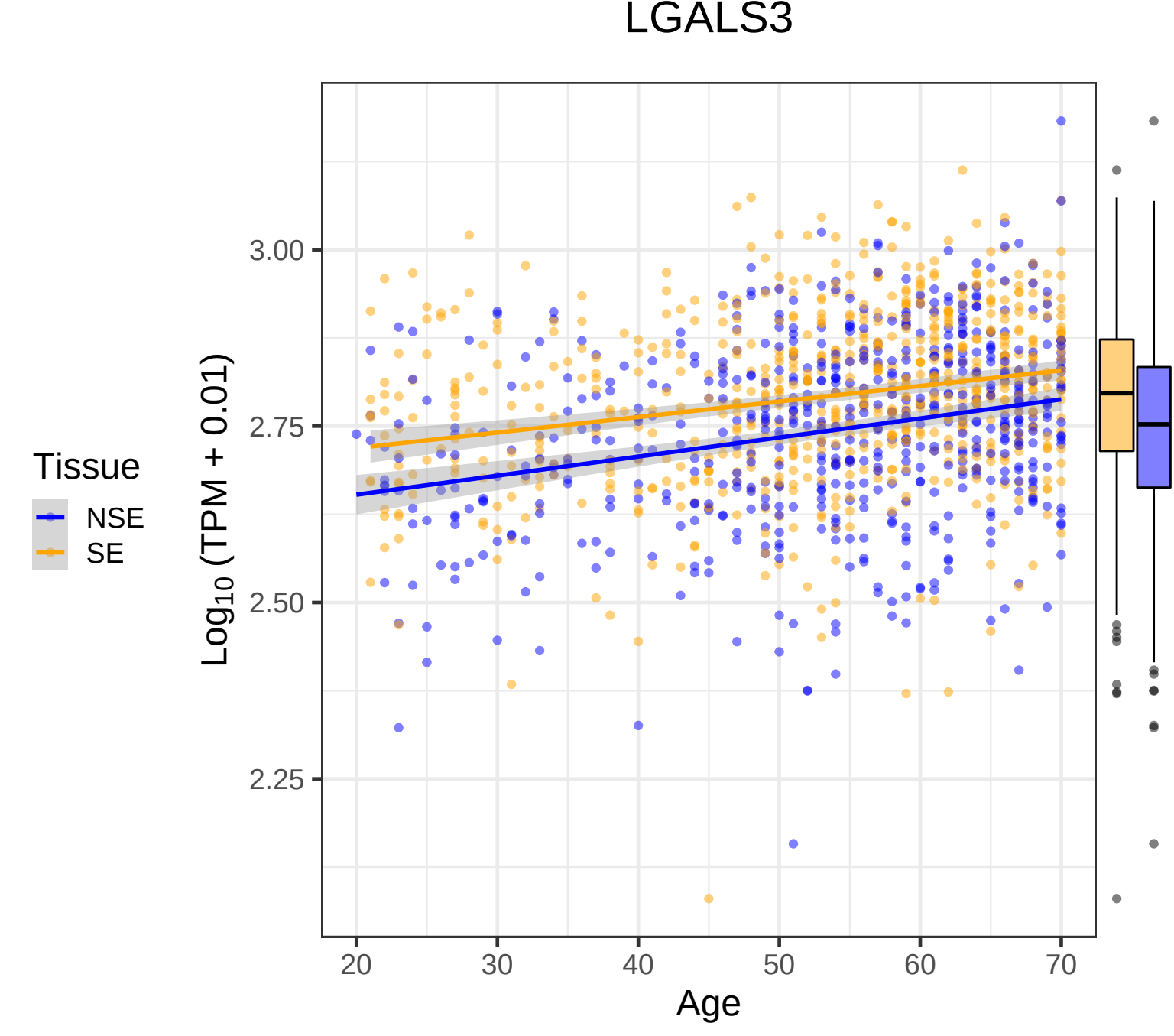

GUCD1
Tissue
NSE
SE
2.0
1.8
1.6
1.4
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.26105
Age_beta=−2.77e−04;Age_FDR=4.07e−01
Tissue_beta=8.48e−02;Tissue_FDR=3.92e−06
Inter_beta=2.49e−05;Inter_FDR=9.64e−01

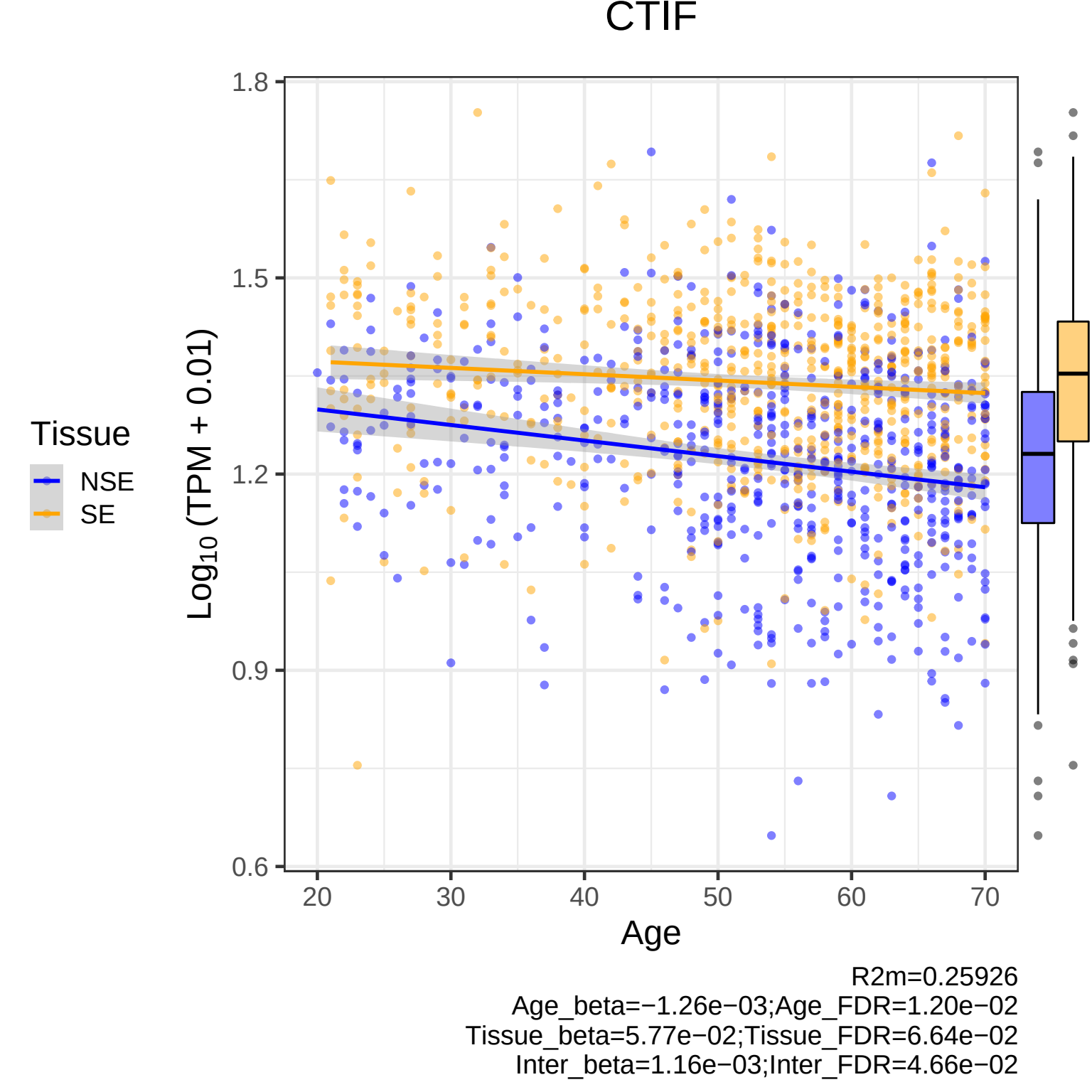

CFAP61
Tissue
NSE
SE
Log10 (TPM + 0.01)
1
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.26079
Age_beta=−3.62e−03;Age_FDR=4.56e−03
Tissue_beta=1.46e−01;Tissue_FDR=1.08e−01
Inter_beta=4.57e−03;Inter_FDR=4.20e−03

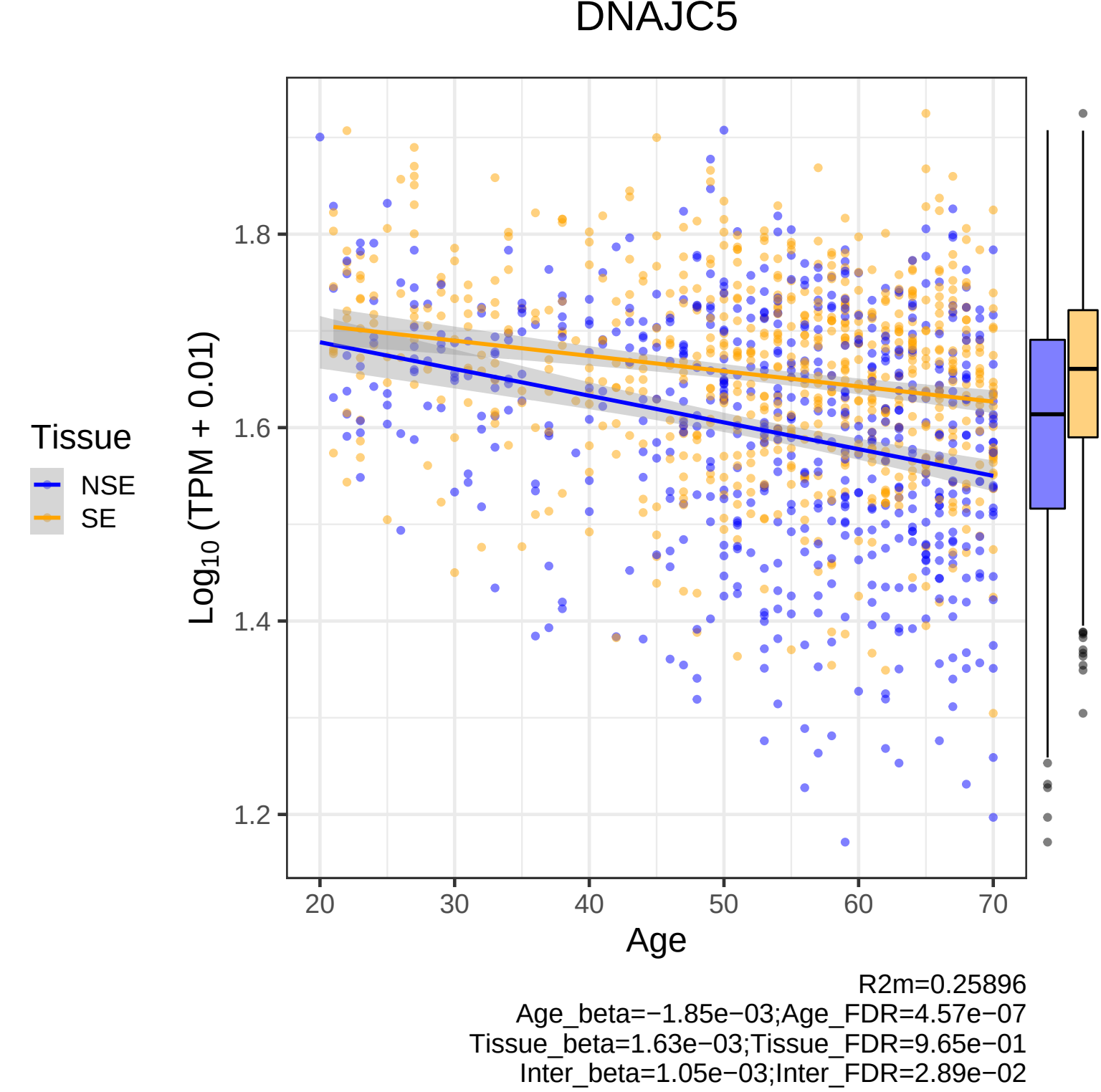

SCG2
Tissue
NSE
SE
Log10 (TPM + 0.01)
2
1
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.26078
Age_beta=7.45e−04;Age_FDR=7.25e−01
Tissue_beta=9.07e−02;Tissue_FDR=4.83e−01
Inter_beta=7.52e−03;Inter_FDR=1.46e−04

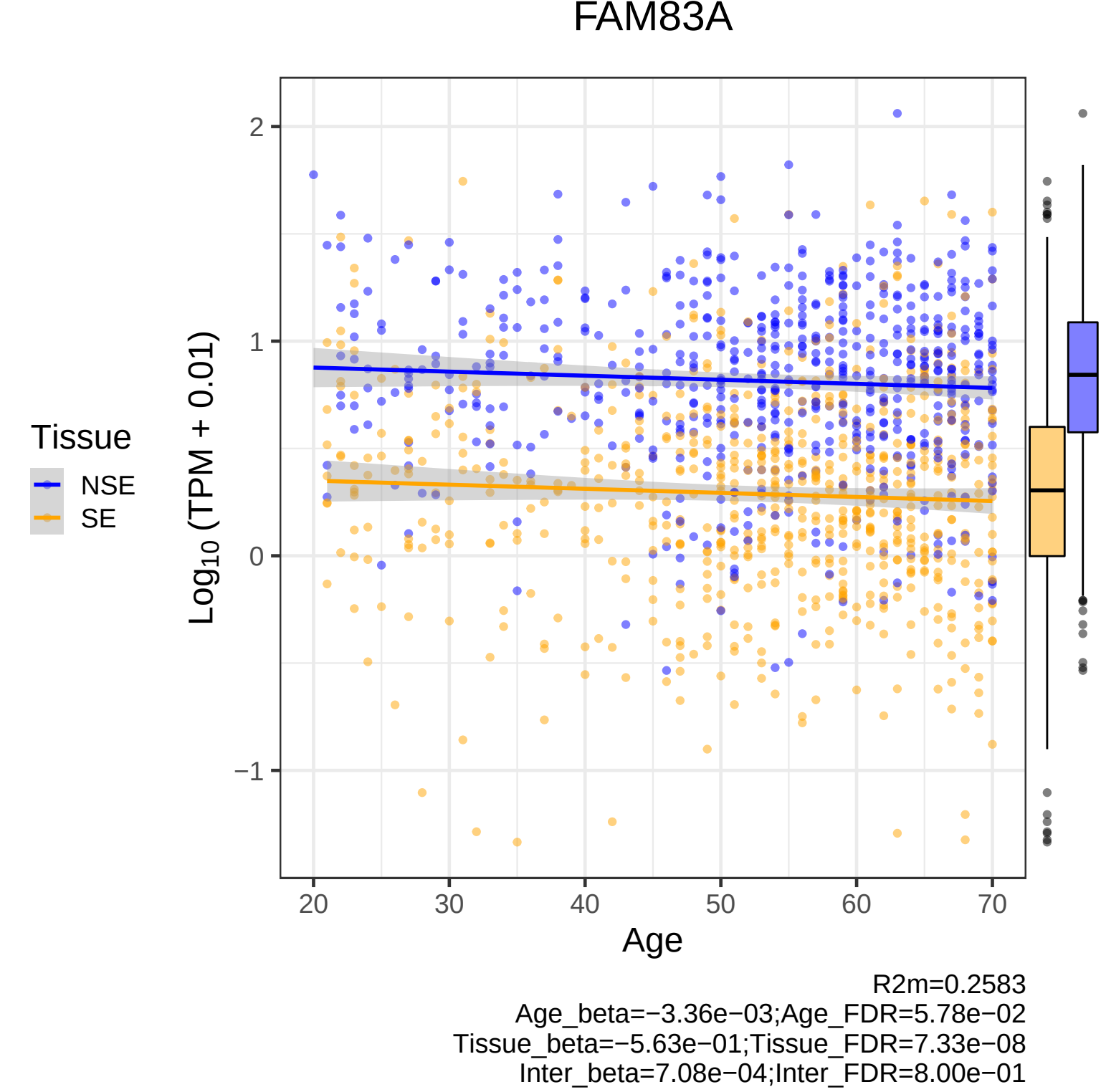

SPERT
Tissue
NSE
SE
Log10 (TPM + 0.01)
1
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.2606
Age_beta=1.02e−03;Age_FDR=6.46e−01
Tissue_beta=3.55e−01;Tissue_FDR=4.85e−03
Inter_beta=3.56e−03;Inter_FDR=1.71e−01

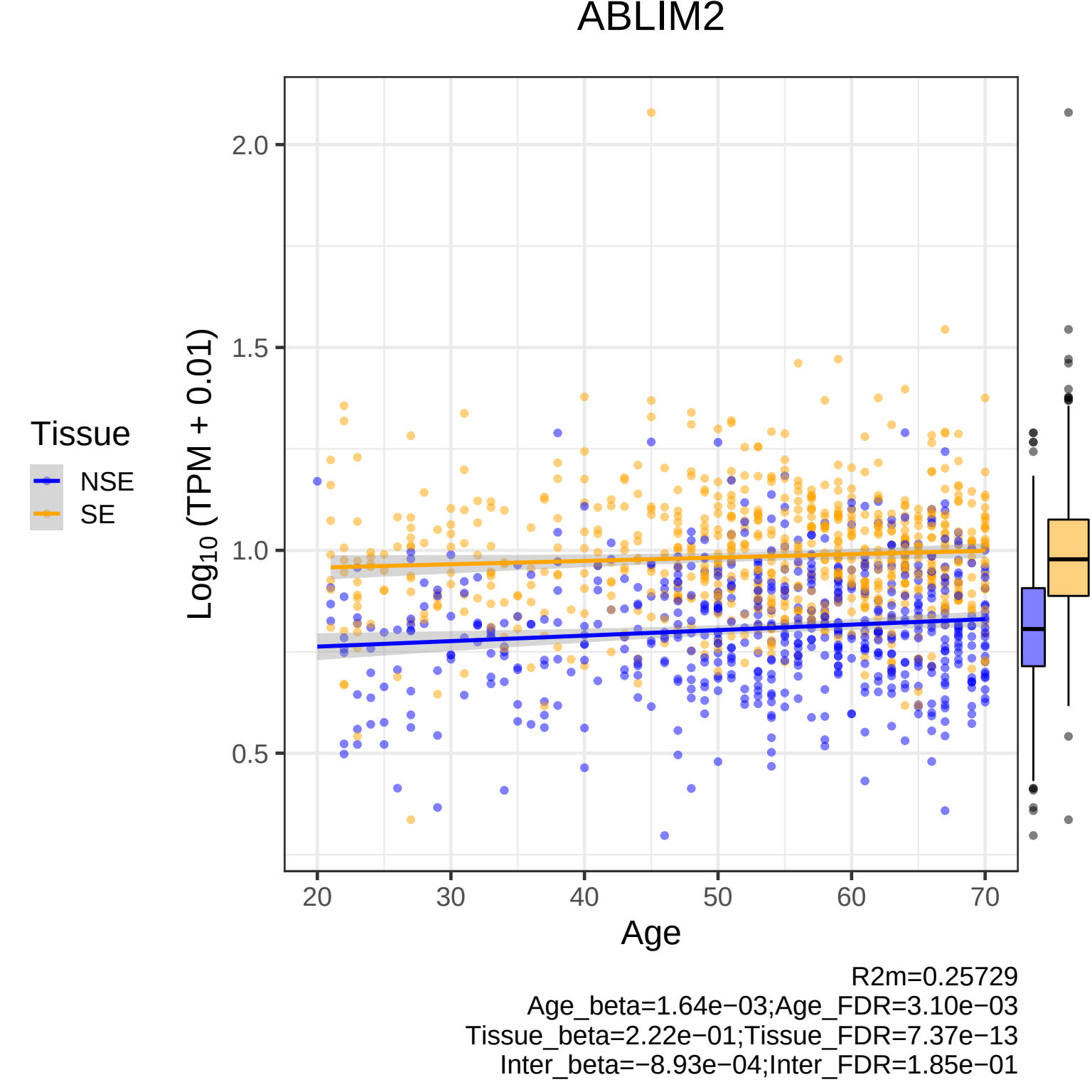

PELO
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.5
1.2
0.9
20
30
40
50
60
70
Age
R2m=0.26053
Age_beta=2.85e−03;Age_FDR=5.86e−10
Tissue_beta=2.48e−01;Tissue_FDR=1.60e−18
Inter_beta=−2.78e−03;Inter_FDR=4.38e−07

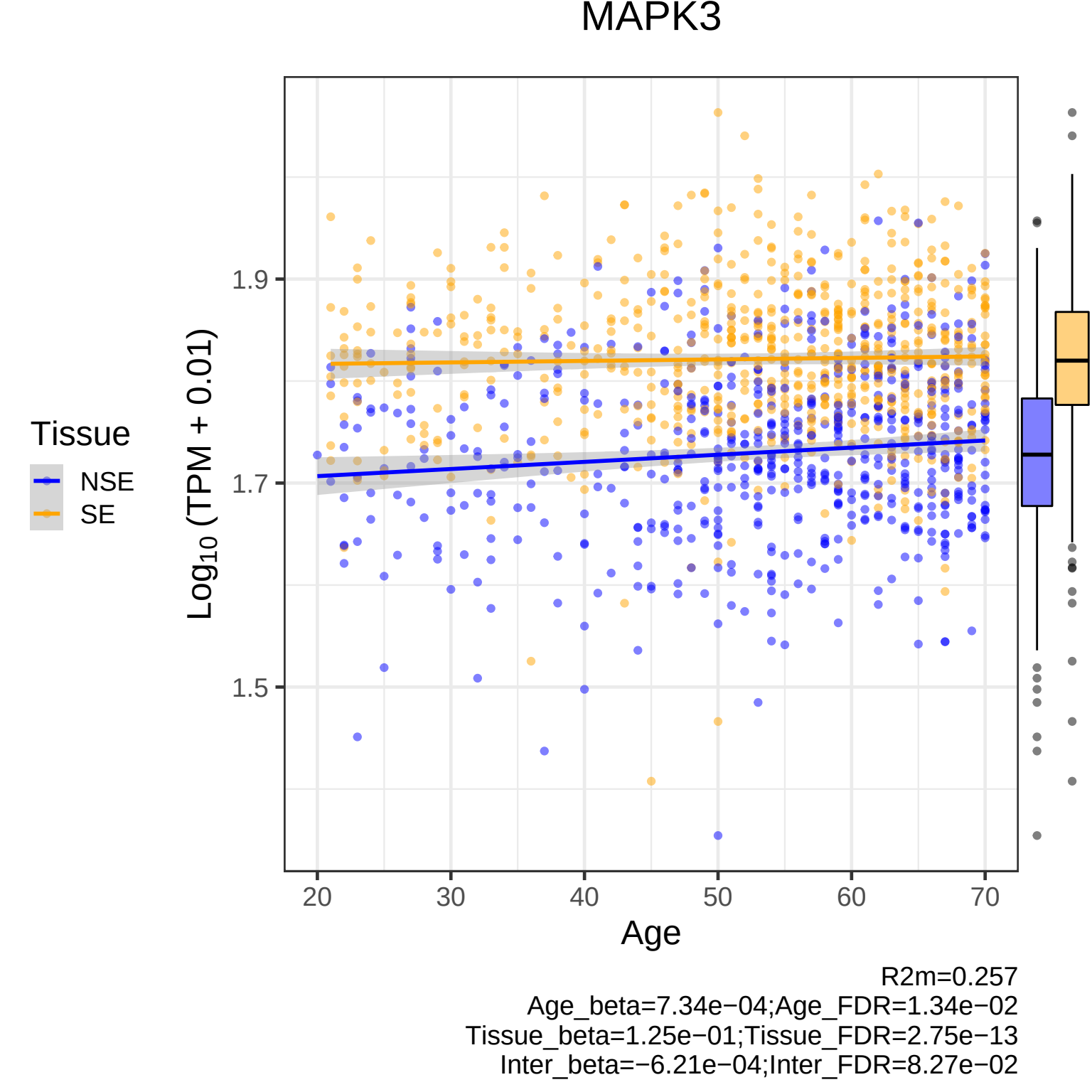

LGALS3
Tissue
NSE
SE
Log10 (TPM + 0.01)
3.00
2.75
2.50
2.25
20
30
40
50
60
70
Age
R2m=0.25977
Age_beta=1.53e−03;Age_FDR=1.22e−04
Tissue_beta=6.44e−02;Tissue_FDR=7.75e−03
Inter_beta=−3.33e−04;Inter_FDR=5.50e−01

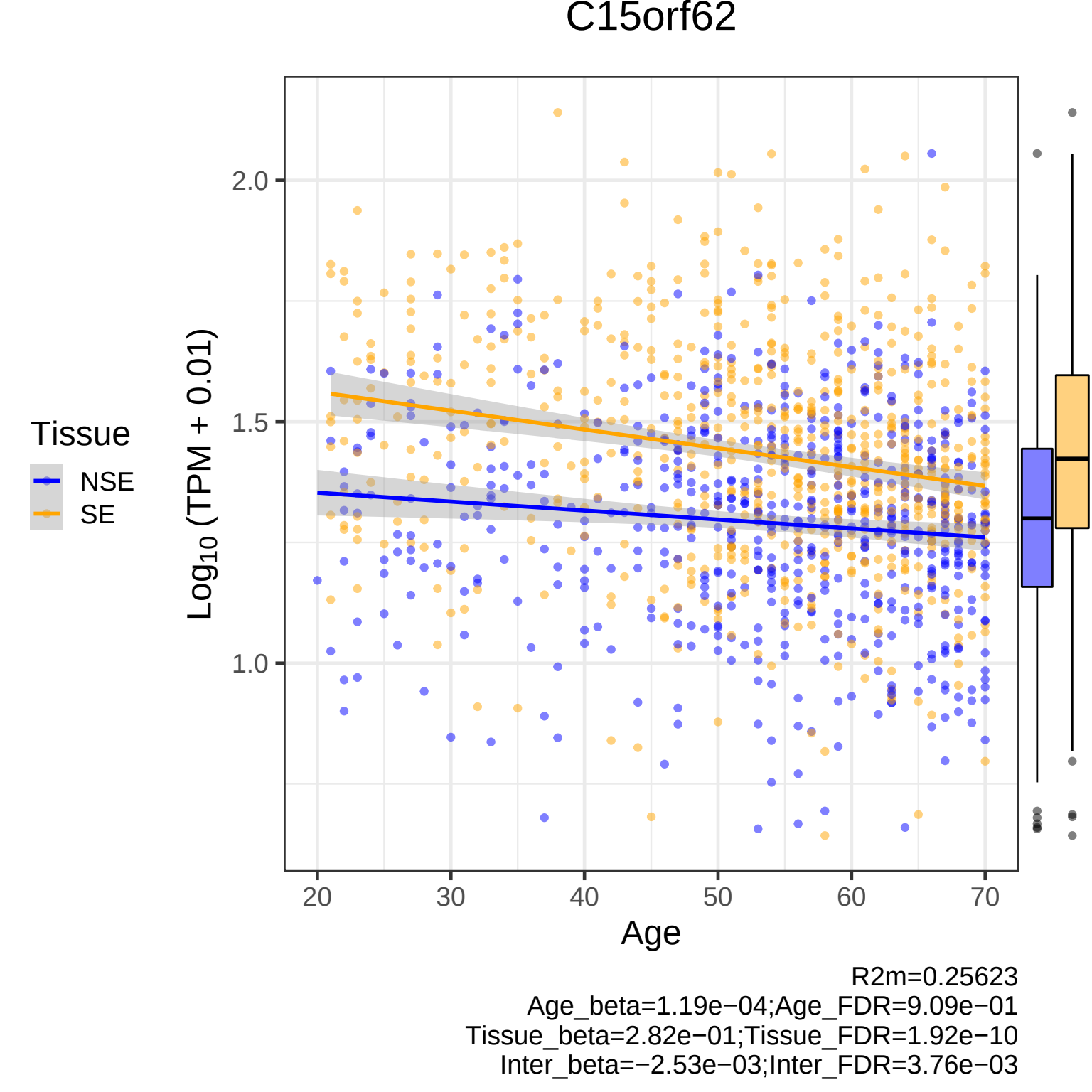

CTIF
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.8
1.5
1.2
0.9
0.6
20
30
40
50
60
70
Age
R2m=0.25926
Age_beta=−1.26e−03;Age_FDR=1.20e−02
Tissue_beta=5.77e−02;Tissue_FDR=6.64e−02
Inter_beta=1.16e−03;Inter_FDR=4.66e−02

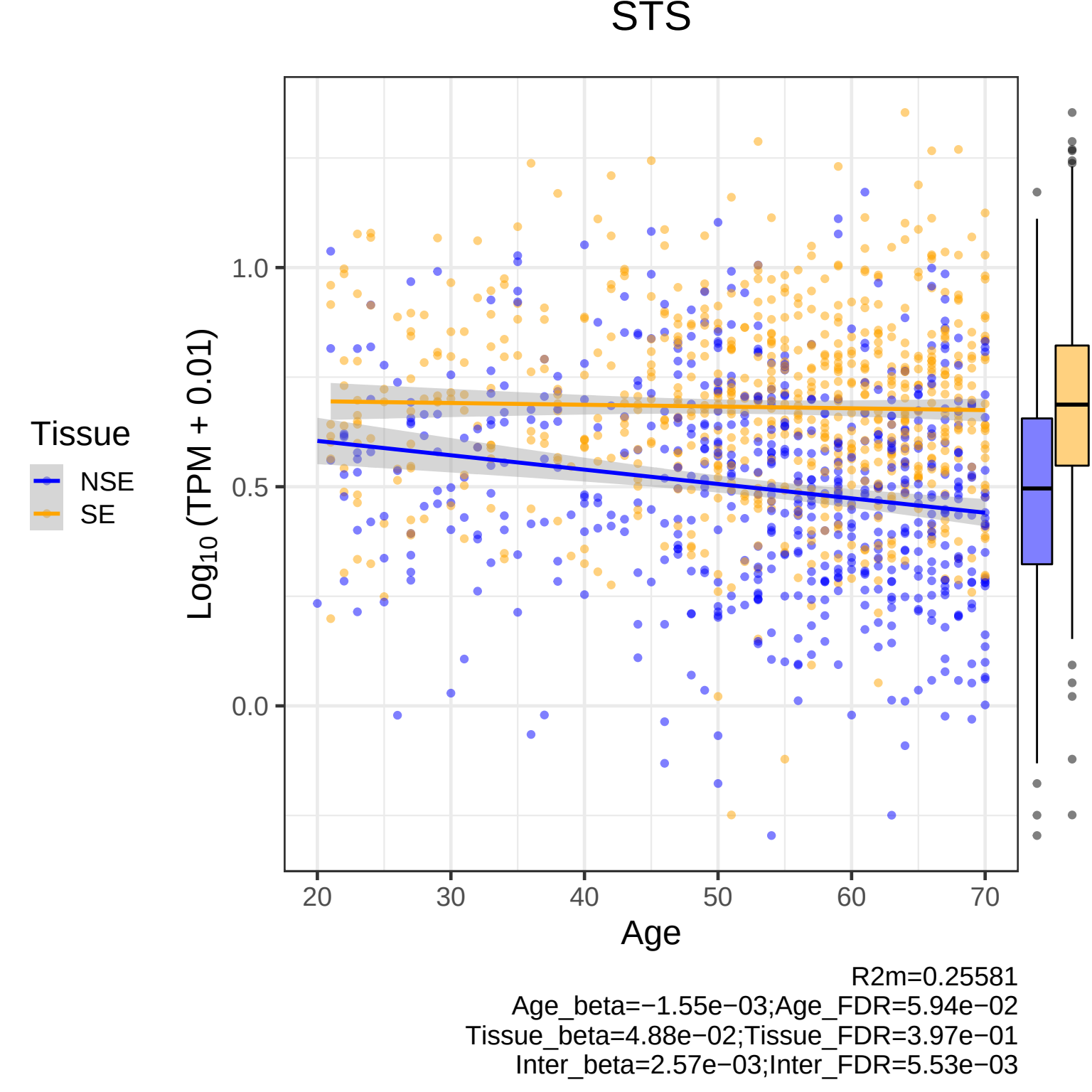

DNAJC5
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.8
1.6
1.4
1.2
20
30
40
50
60
70
Age
R2m=0.25896
Age_beta=−1.85e−03;Age_FDR=4.57e−07
Tissue_beta=1.63e−03;Tissue_FDR=9.65e−01
Inter_beta=1.05e−03;Inter_FDR=2.89e−02

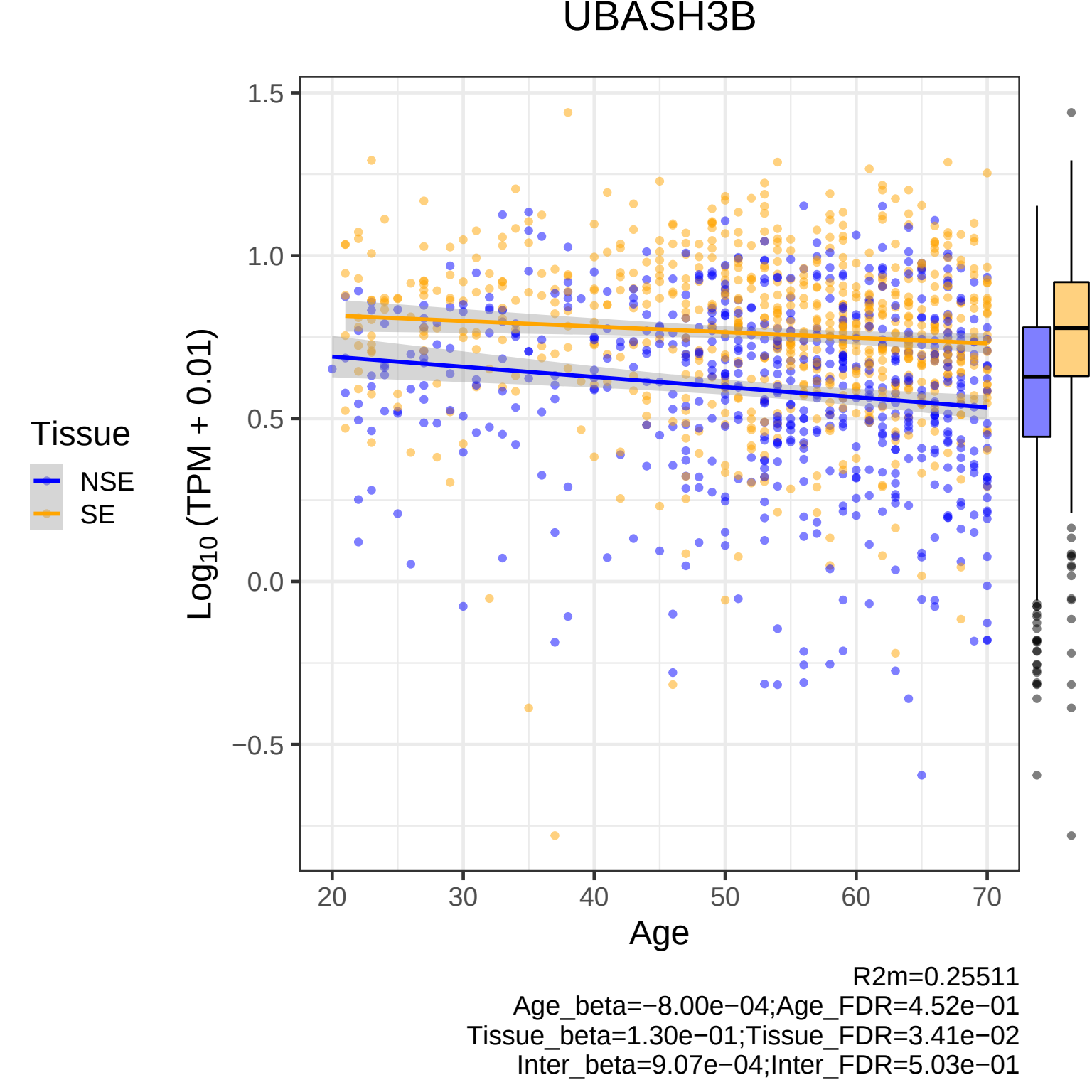

FAM83A
Tissue
NSE
SE
Log10 (TPM + 0.01)
2
1
0
−1
20
30
40
50
60
70
Age
R2m=0.2583
Age_beta=−3.36e−03;Age_FDR=5.78e−02
Tissue_beta=−5.63e−01;Tissue_FDR=7.33e−08
Inter_beta=7.08e−04;Inter_FDR=8.00e−01

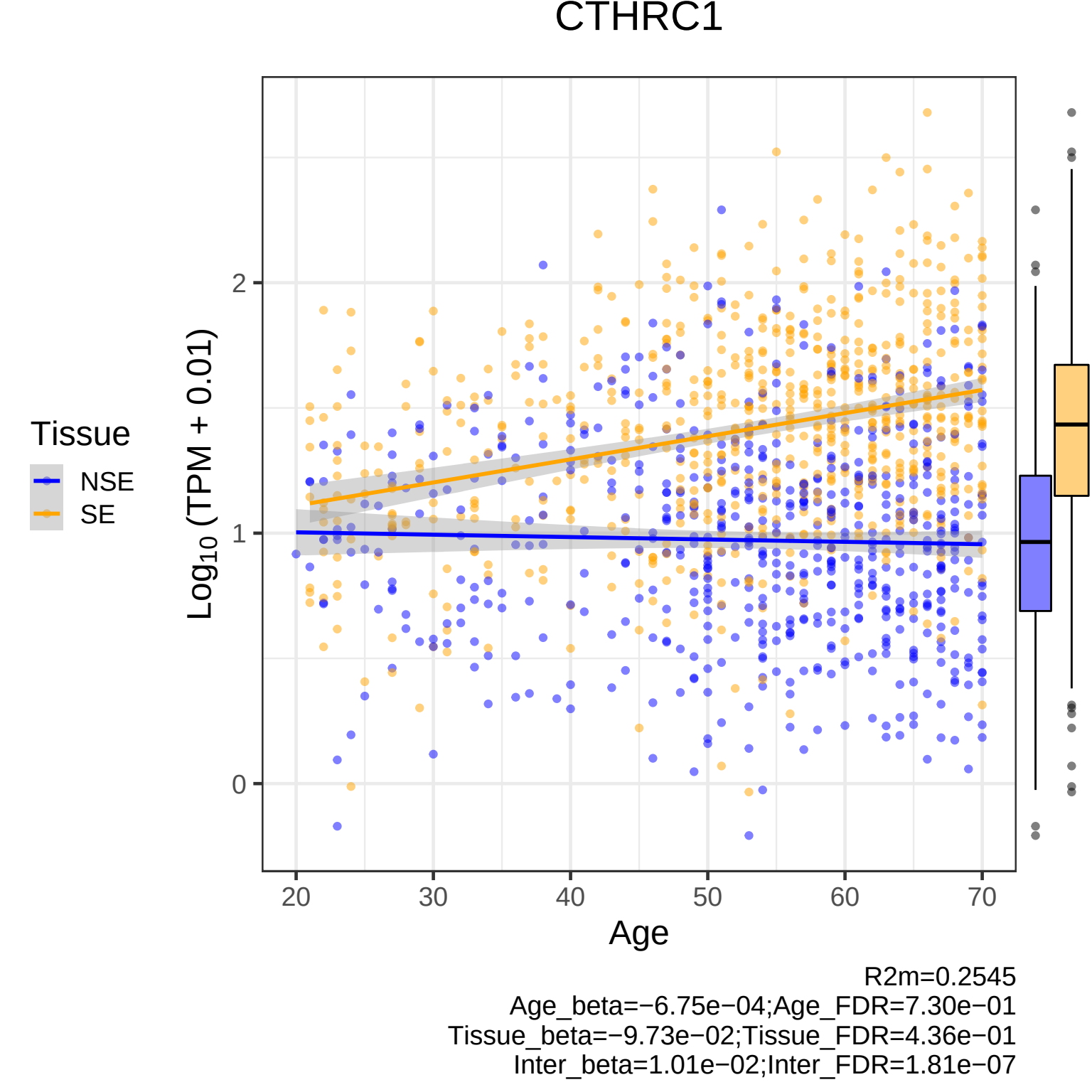

ABLIM2
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.0
1.5
1.0
0.5
20
30
40
50
60
70
Age
R2m=0.25729
Age_beta=1.64e−03;Age_FDR=3.10e−03
Tissue_beta=2.22e−01;Tissue_FDR=7.37e−13
Inter_beta=−8.93e−04;Inter_FDR=1.85e−01

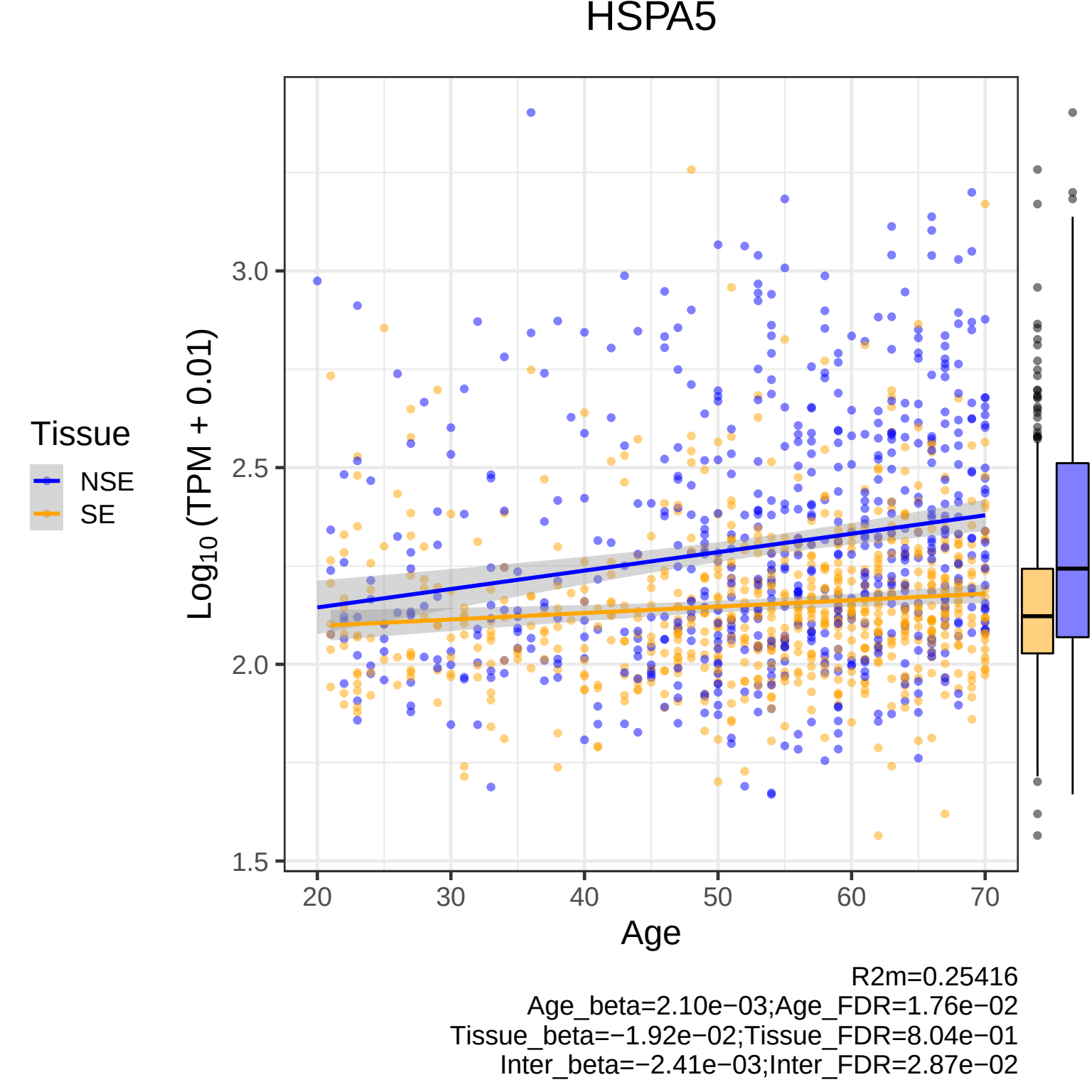

MAPK3
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.9
1.7
1.5
20
30
40
50
60
70
Age
R2m=0.257
Age_beta=7.34e−04;Age_FDR=1.34e−02
Tissue_beta=1.25e−01;Tissue_FDR=2.75e−13
Inter_beta=−6.21e−04;Inter_FDR=8.27e−02

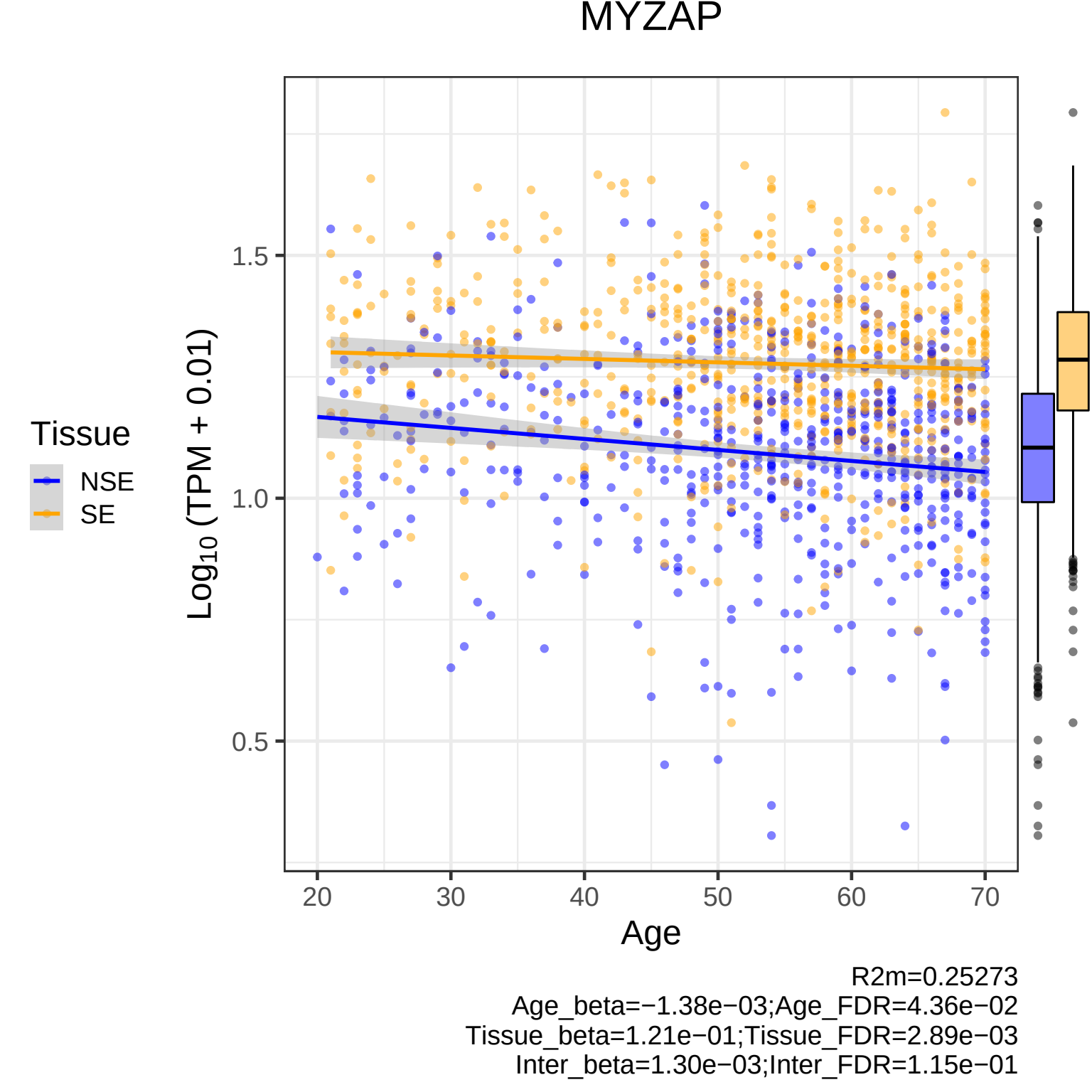

C15orf62
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.0
1.5
1.0
20
30
40
50
60
70
Age
R2m=0.25623
Age_beta=1.19e−04;Age_FDR=9.09e−01
Tissue_beta=2.82e−01;Tissue_FDR=1.92e−10
Inter_beta=−2.53e−03;Inter_FDR=3.76e−03

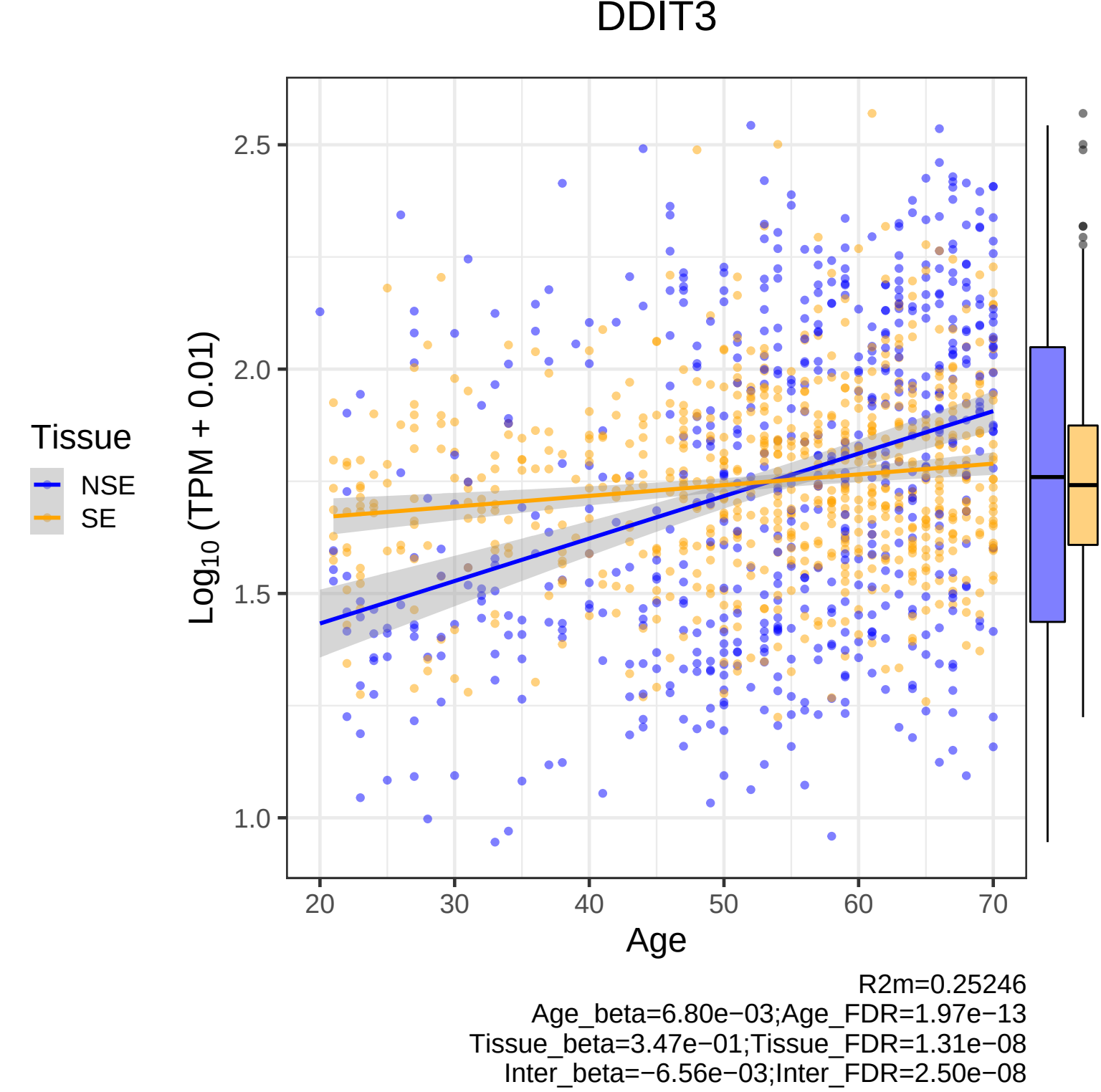

STS
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.0
0.5
0.0
20
30
40
50
60
70
Age
R2m=0.25581
Age_beta=−1.55e−03;Age_FDR=5.94e−02
Tissue_beta=4.88e−02;Tissue_FDR=3.97e−01
Inter_beta=2.57e−03;Inter_FDR=5.53e−03

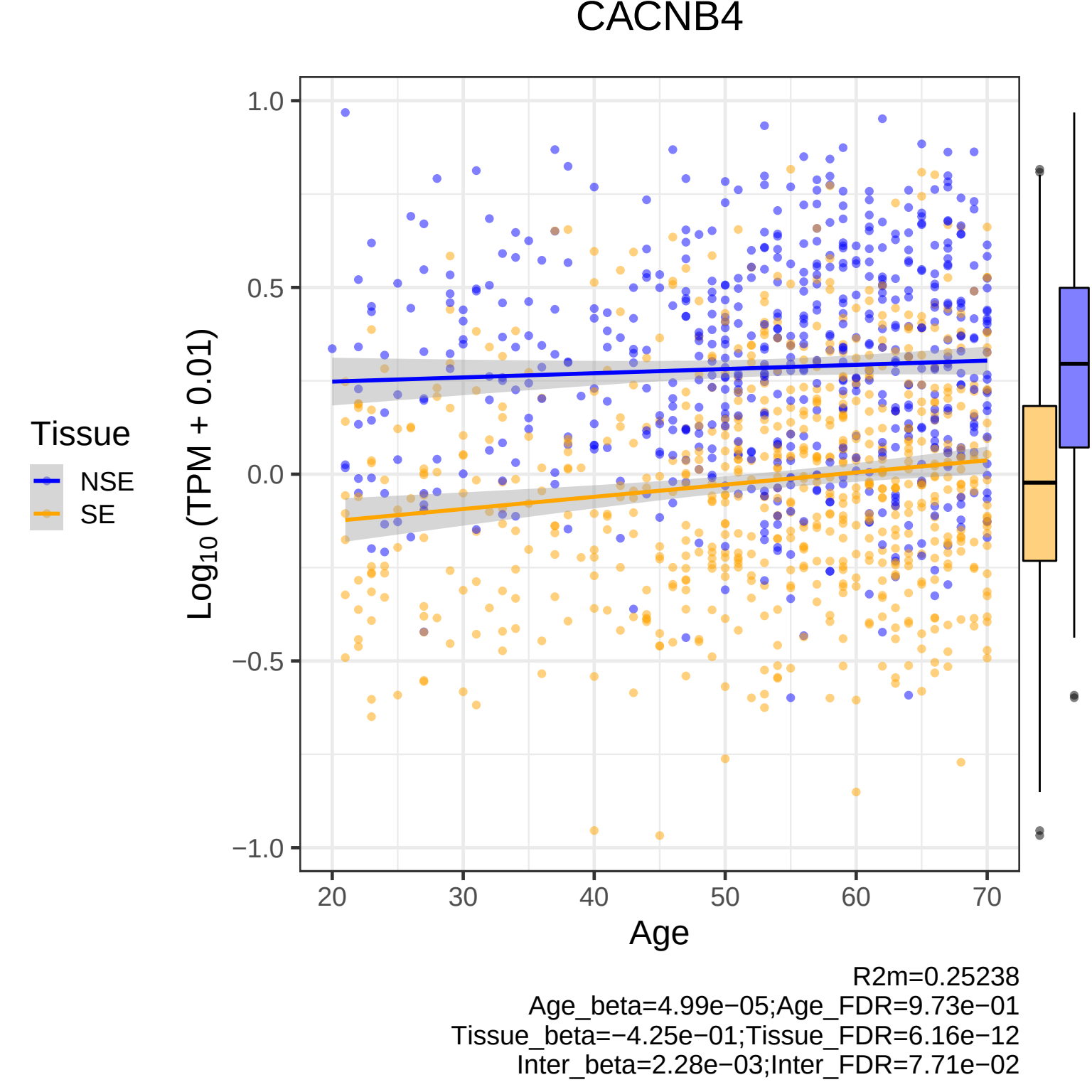

UBASH3B
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.5
1.0
0.5
0.0
−0.5
20
30
40
50
60
70
Age
R2m=0.25511
Age_beta=−8.00e−04;Age_FDR=4.52e−01
Tissue_beta=1.30e−01;Tissue_FDR=3.41e−02
Inter_beta=9.07e−04;Inter_FDR=5.03e−01

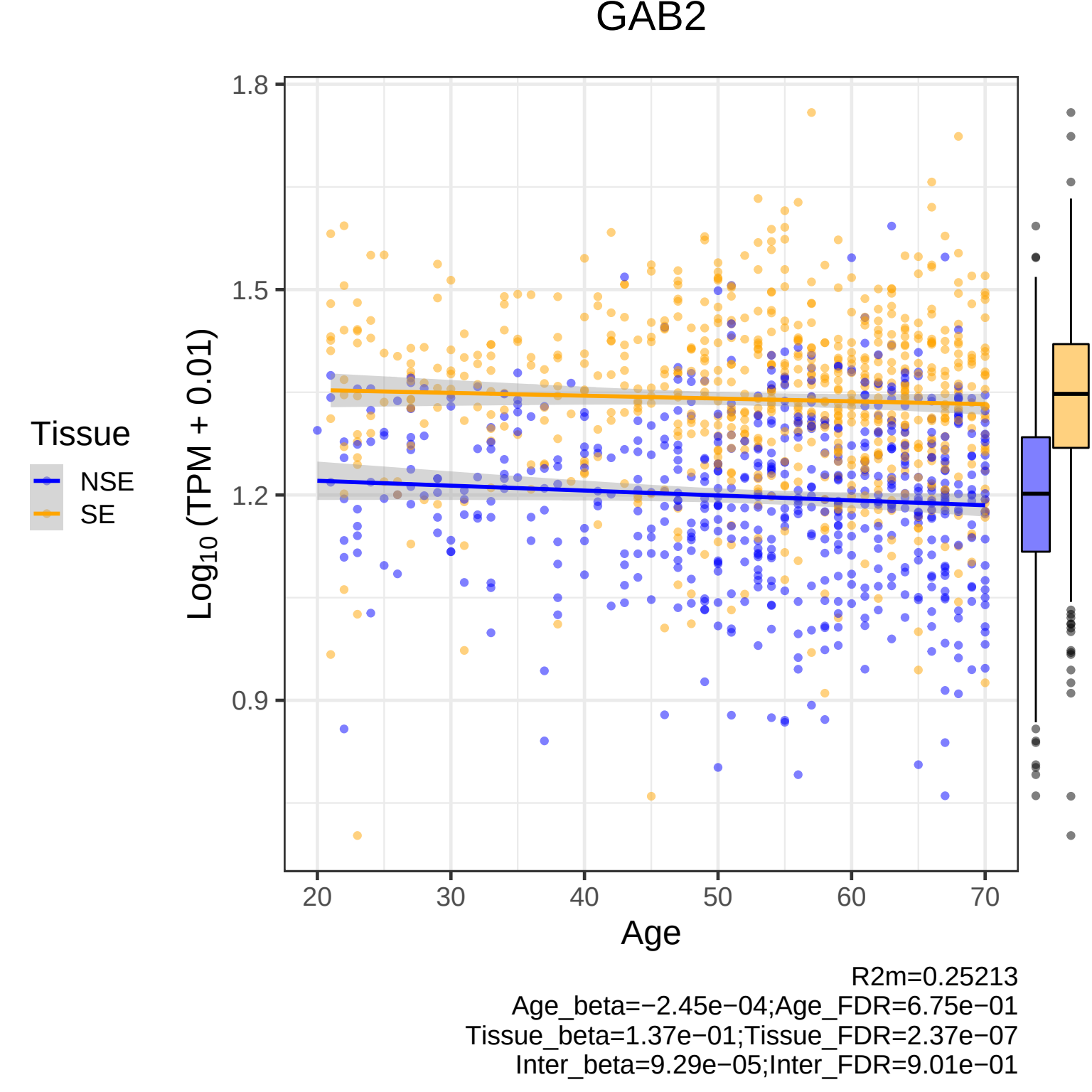

CTHRC1
Tissue
NSE
SE
Log10 (TPM + 0.01)
0
1
2
20
30
40
50
60
70
Age
R2m=0.2545
Age_beta=−6.75e−04;Age_FDR=7.30e−01
Tissue_beta=−9.73e−02;Tissue_FDR=4.36e−01
Inter_beta=1.01e−02;Inter_FDR=1.81e−07

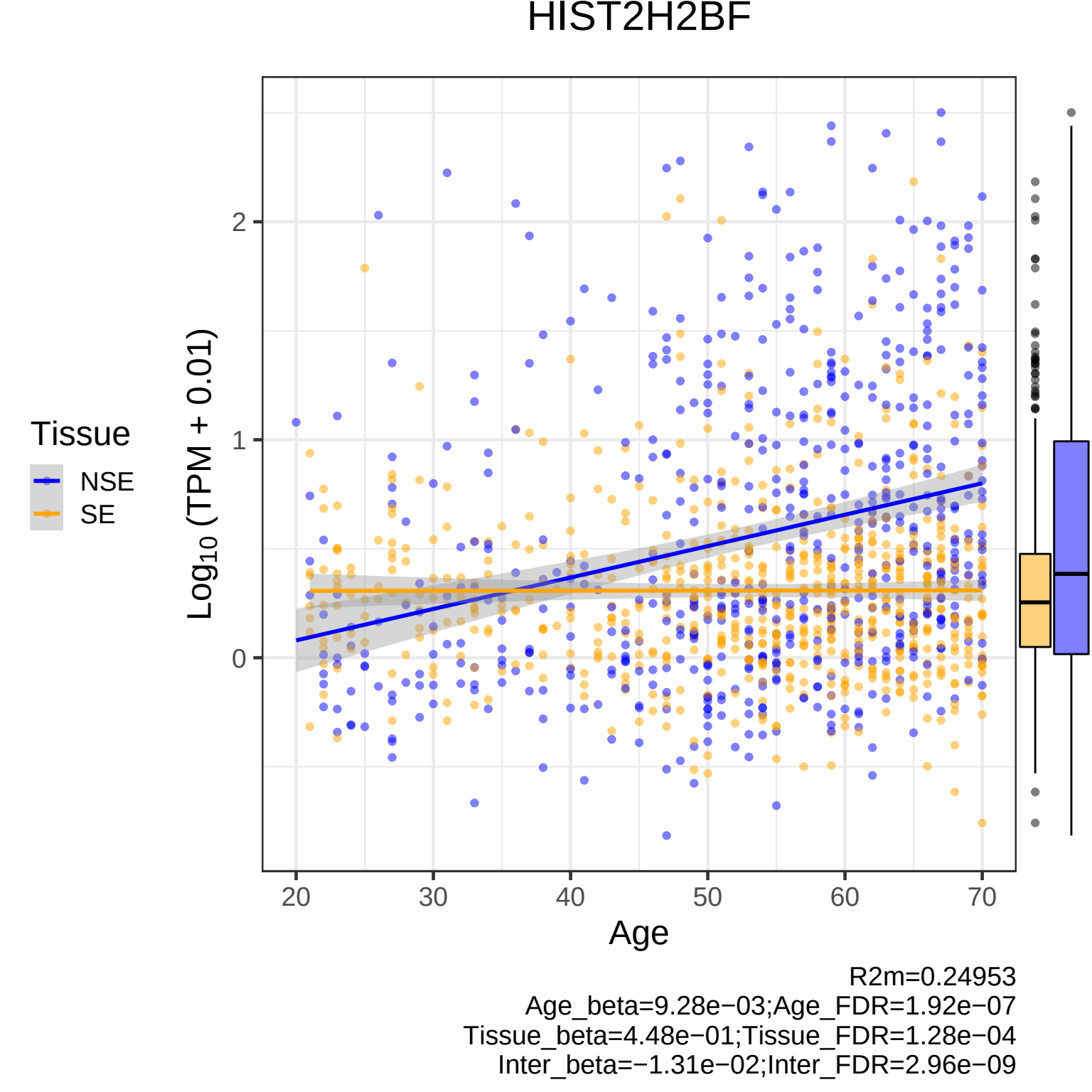

HSPA5
Tissue
NSE
SE
Log10 (TPM + 0.01)
3.0
2.5
2.0
1.5
20
30
40
50
60
70
Age
R2m=0.25416
Age_beta=2.10e−03;Age_FDR=1.76e−02
Tissue_beta=−1.92e−02;Tissue_FDR=8.04e−01
Inter_beta=−2.41e−03;Inter_FDR=2.87e−02

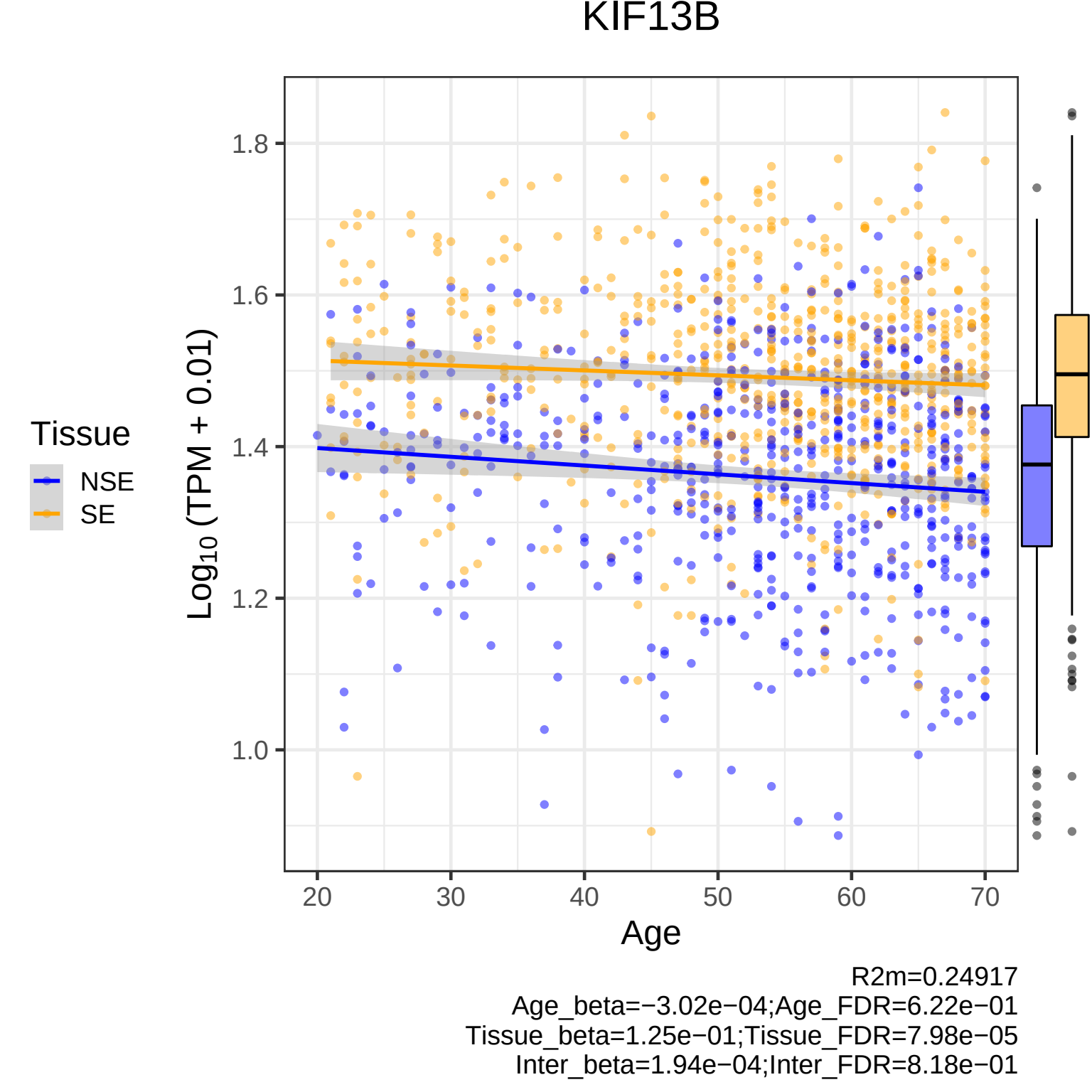

MYZAP
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.5
1.0
0.5
20
30
40
50
60
70
Age
R2m=0.25273
Age_beta=−1.38e−03;Age_FDR=4.36e−02
Tissue_beta=1.21e−01;Tissue_FDR=2.89e−03
Inter_beta=1.30e−03;Inter_FDR=1.15e−01

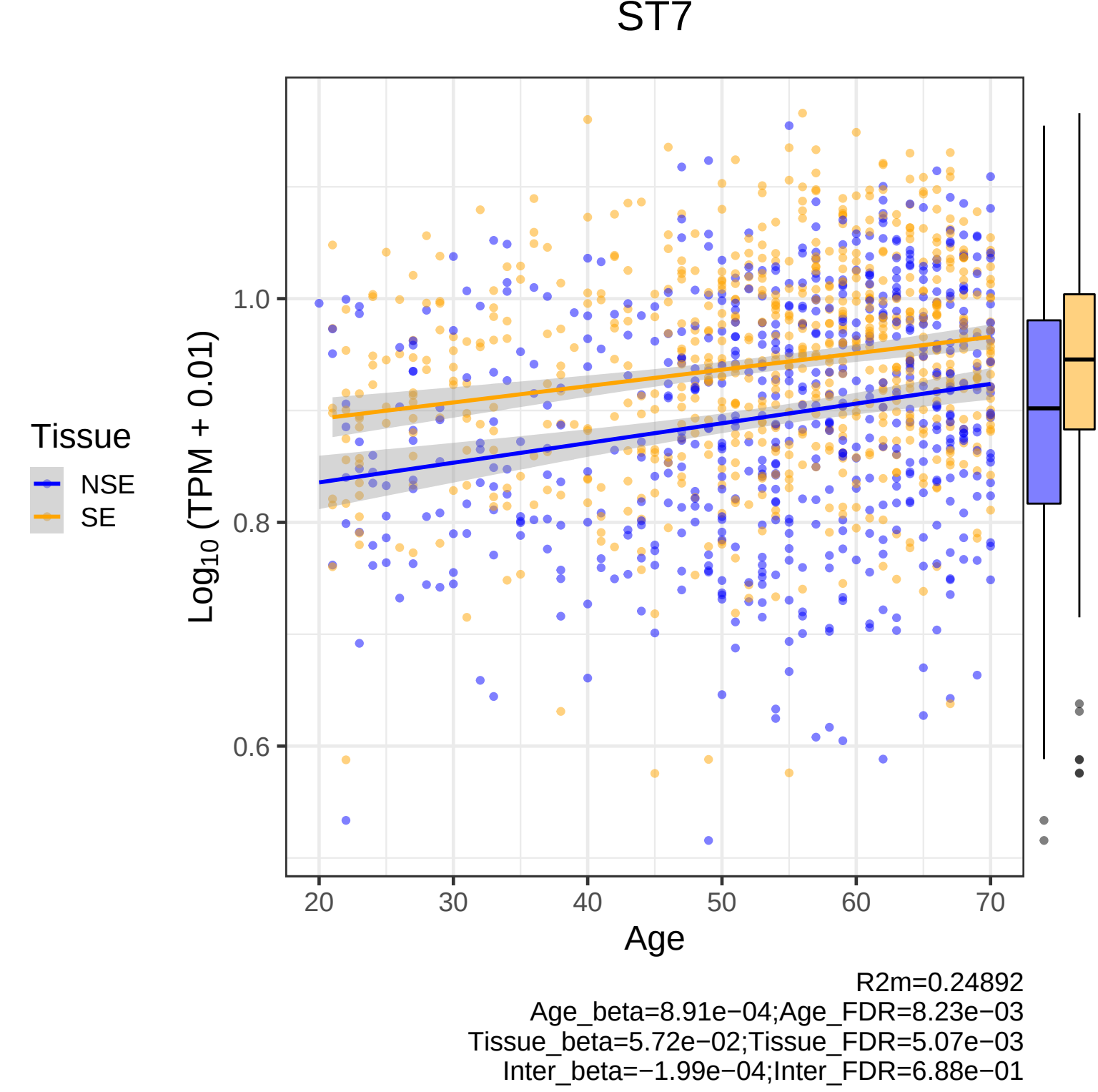

DDIT3
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.5
2.0
1.5
1.0
20
30
40
50
60
70
Age
R2m=0.25246
Age_beta=6.80e−03;Age_FDR=1.97e−13
Tissue_beta=3.47e−01;Tissue_FDR=1.31e−08
Inter_beta=−6.56e−03;Inter_FDR=2.50e−08

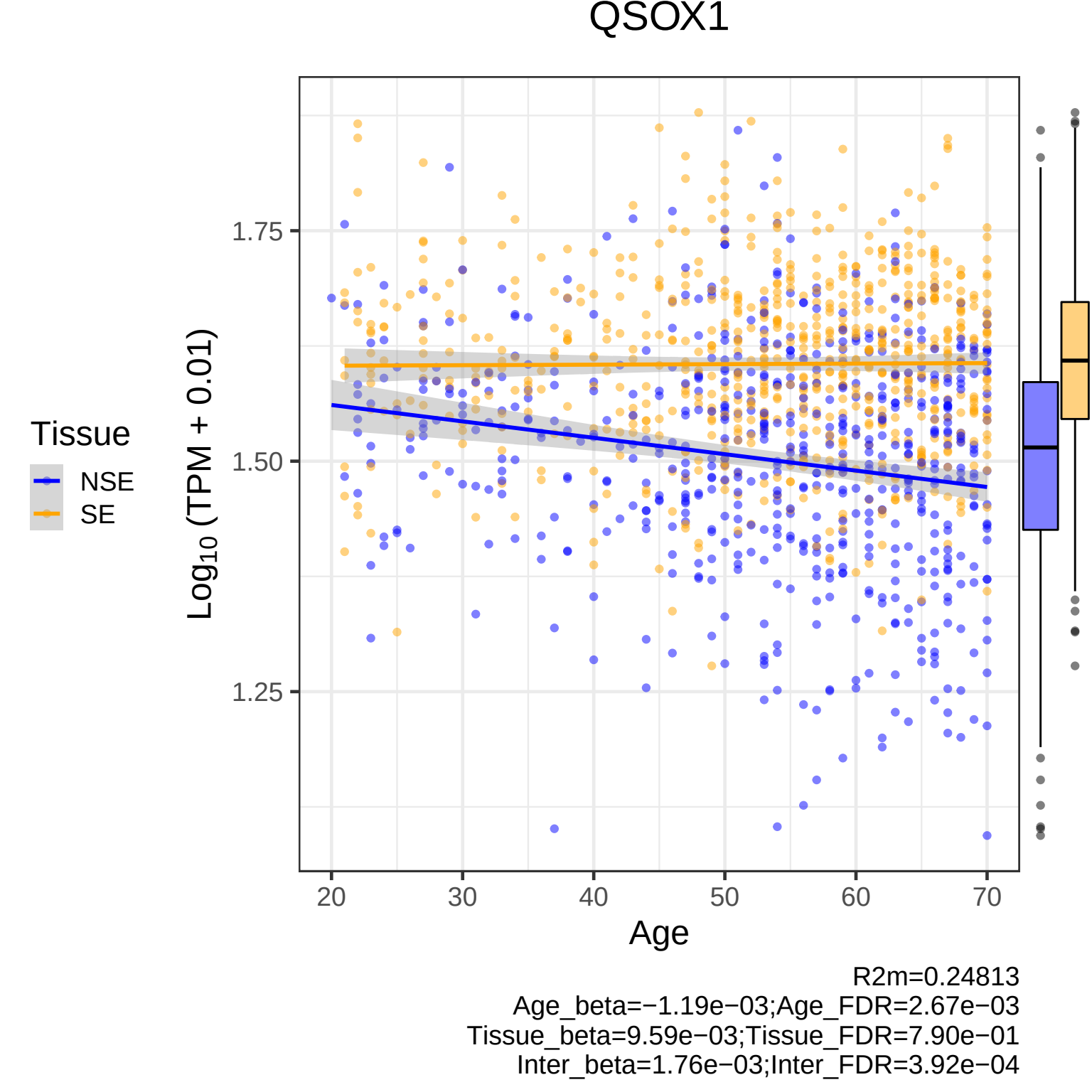

CACNB4
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.0
0.5
0.0
−0.5
−1.0
20
30
40
50
60
70
Age
R2m=0.25238
Age_beta=4.99e−05;Age_FDR=9.73e−01
Tissue_beta=−4.25e−01;Tissue_FDR=6.16e−12
Inter_beta=2.28e−03;Inter_FDR=7.71e−02

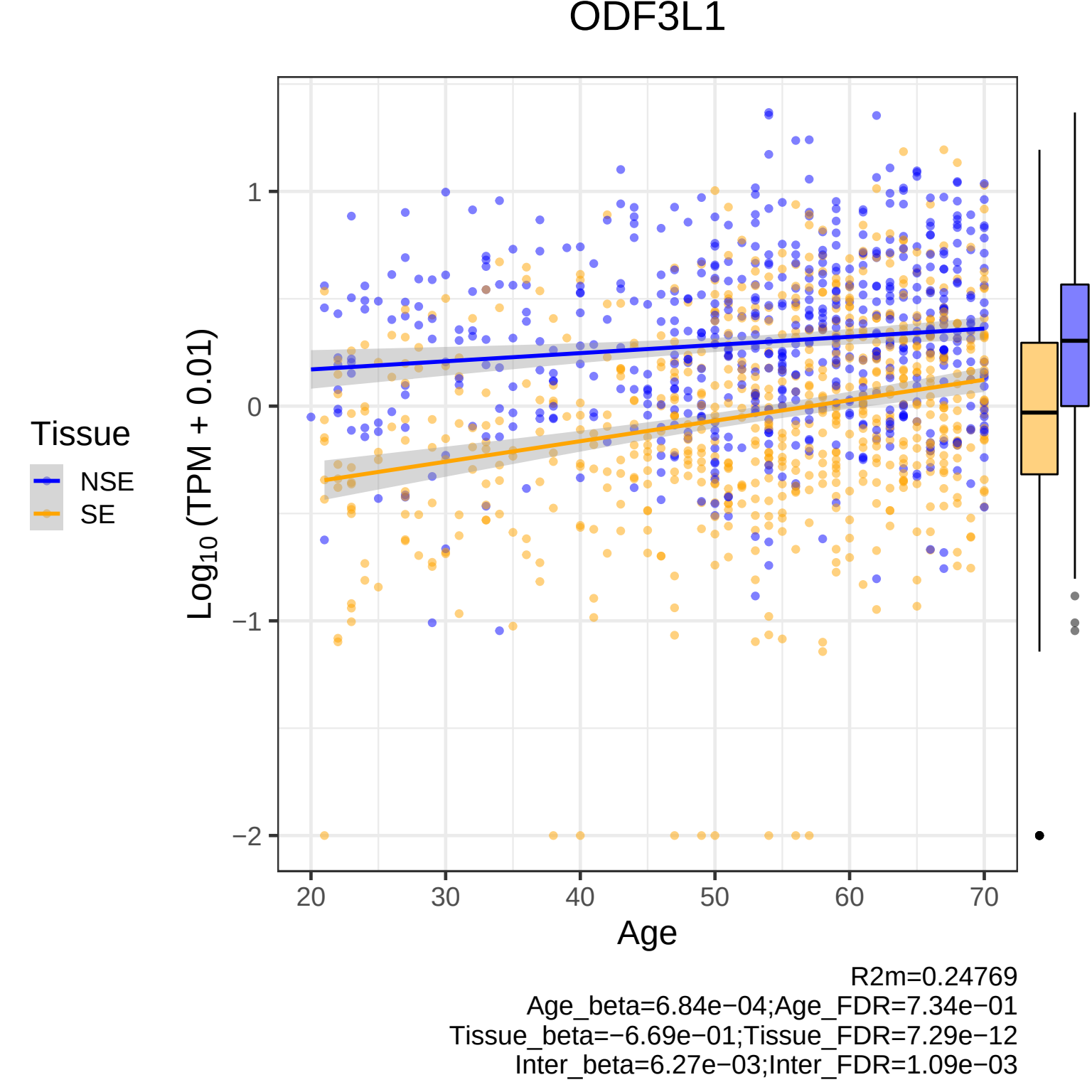

GAB2
Tissue
NSE
SE
1.8
1.5
1.2
0.9
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.25213
Age_beta=−2.45e−04;Age_FDR=6.75e−01
Tissue_beta=1.37e−01;Tissue_FDR=2.37e−07
Inter_beta=9.29e−05;Inter_FDR=9.01e−01

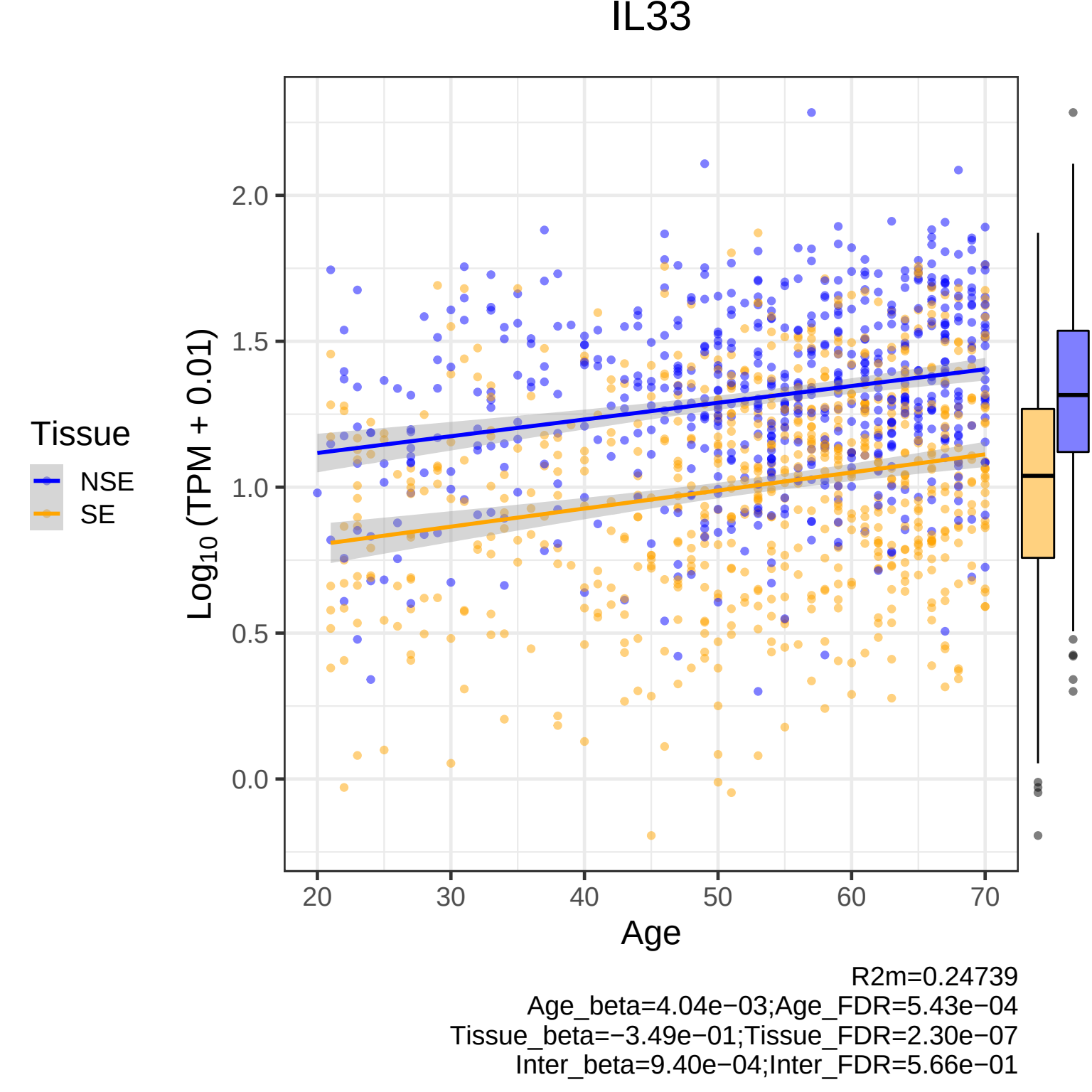

HIST2H2BF
Tissue
NSE
SE
Log10 (TPM + 0.01)
2
1
0
20
30
40
50
60
70
Age
R2m=0.24953
Age_beta=9.28e−03;Age_FDR=1.92e−07
Tissue_beta=4.48e−01;Tissue_FDR=1.28e−04
Inter_beta=−1.31e−02;Inter_FDR=2.96e−09

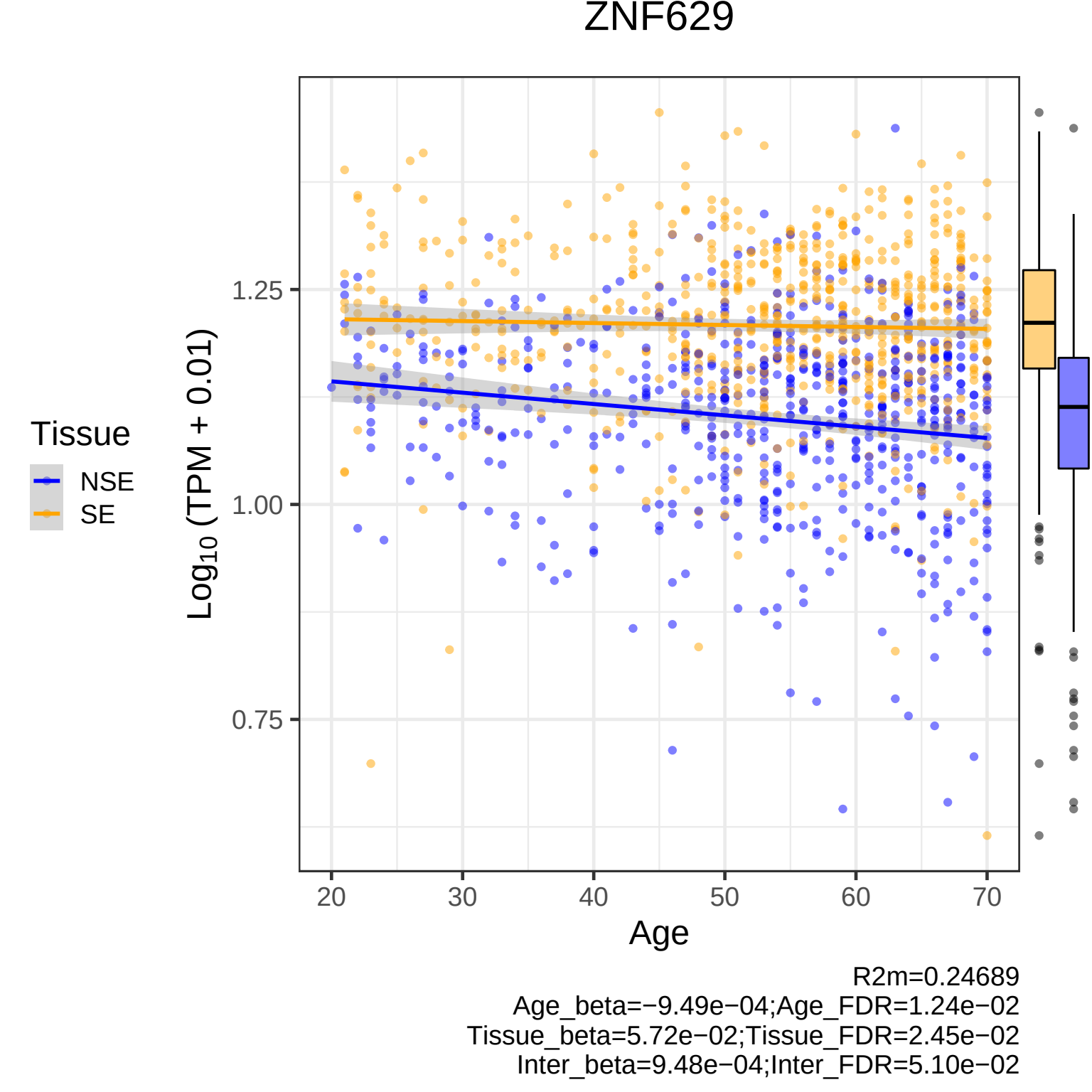

KIF13B
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.8
1.6
1.4
1.2
1.0
20
30
40
50
60
70
Age
R2m=0.24917
Age_beta=−3.02e−04;Age_FDR=6.22e−01
Tissue_beta=1.25e−01;Tissue_FDR=7.98e−05
Inter_beta=1.94e−04;Inter_FDR=8.18e−01

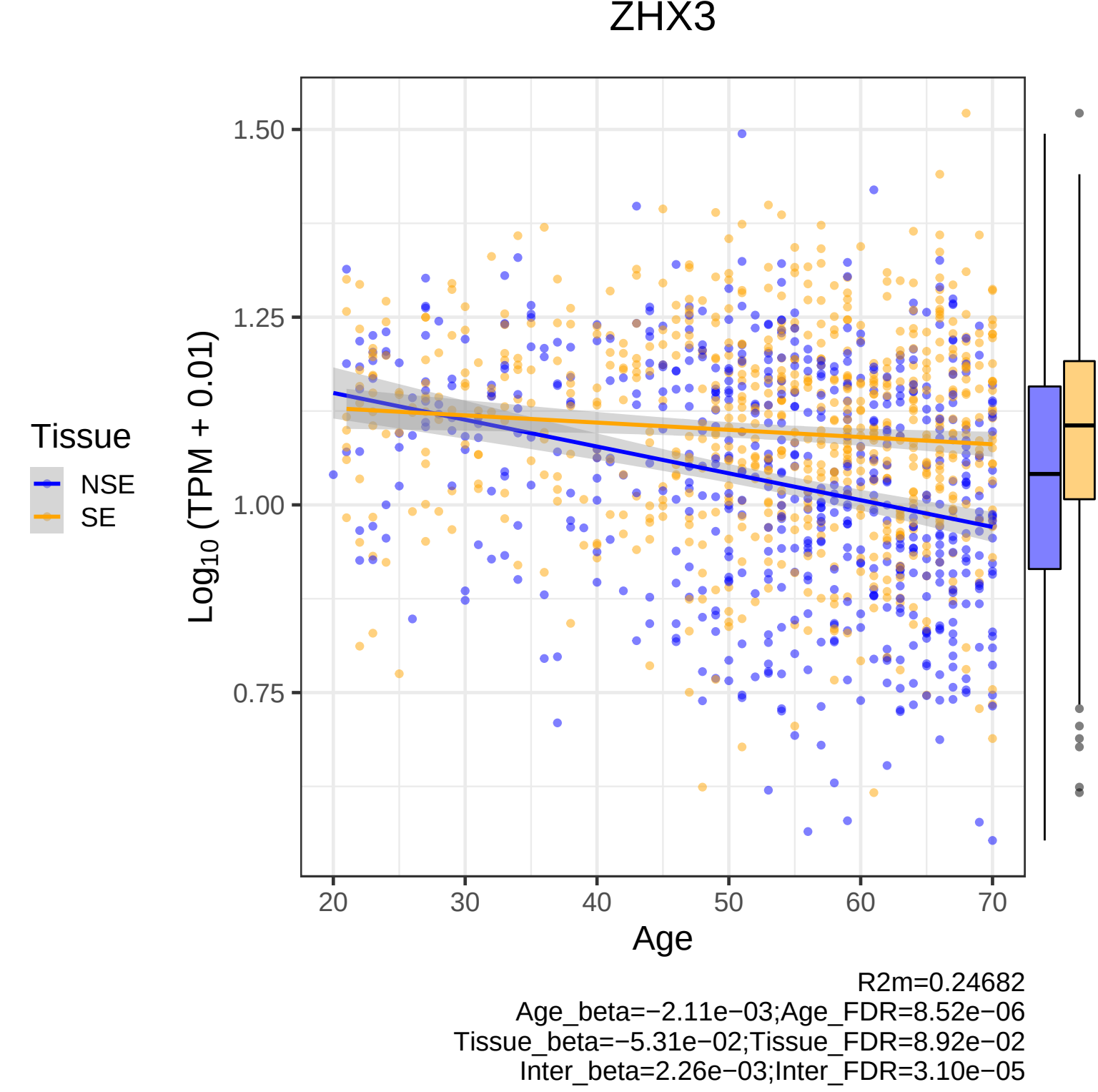

ST7
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.0
0.8
0.6
20
30
40
50
60
70
Age
R2m=0.24892
Age_beta=8.91e−04;Age_FDR=8.23e−03
Tissue_beta=5.72e−02;Tissue_FDR=5.07e−03
Inter_beta=−1.99e−04;Inter_FDR=6.88e−01

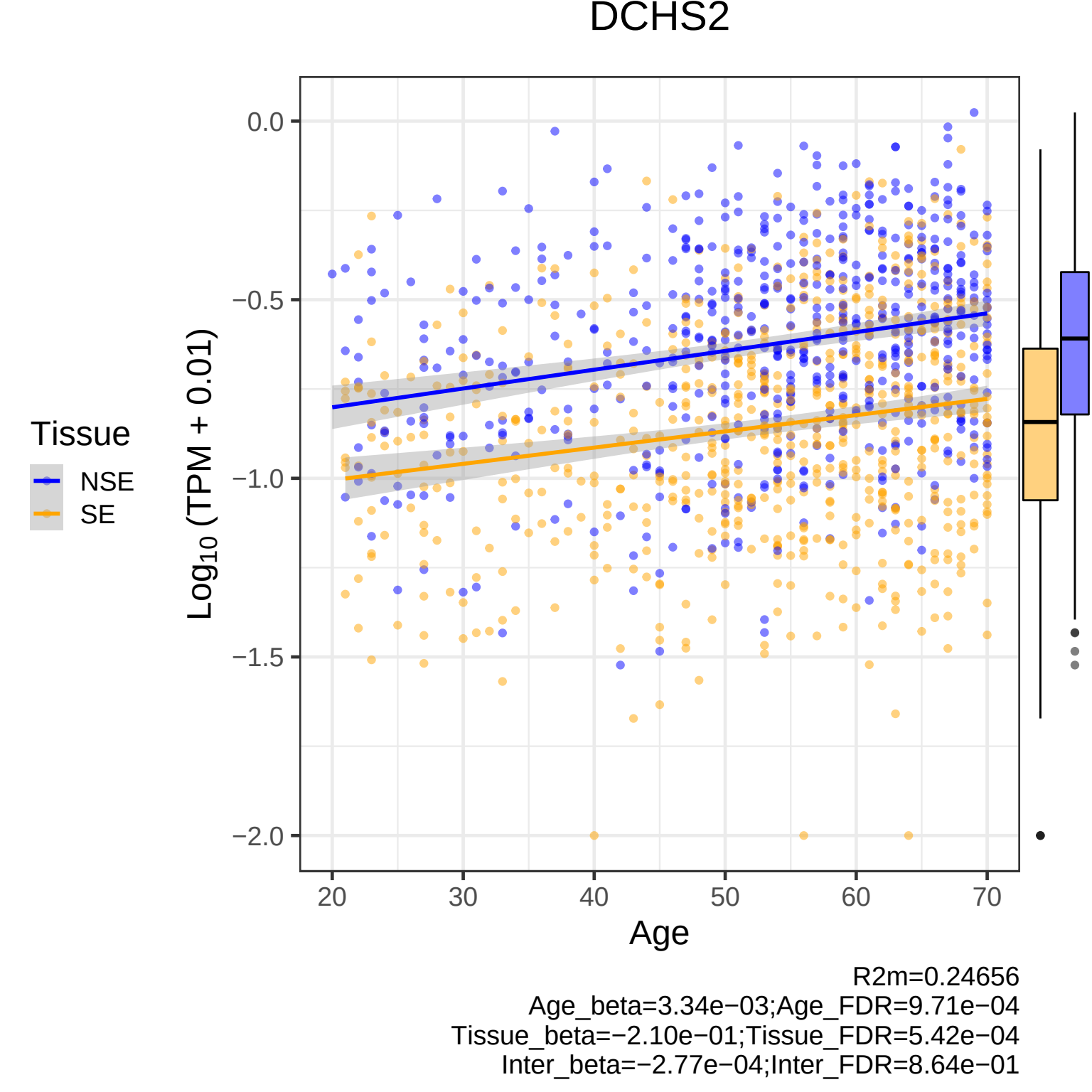

QSOX1
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.75
1.50
1.25
20
30
40
50
60
70
Age
R2m=0.24813
Age_beta=−1.19e−03;Age_FDR=2.67e−03
Tissue_beta=9.59e−03;Tissue_FDR=7.90e−01
Inter_beta=1.76e−03;Inter_FDR=3.92e−04

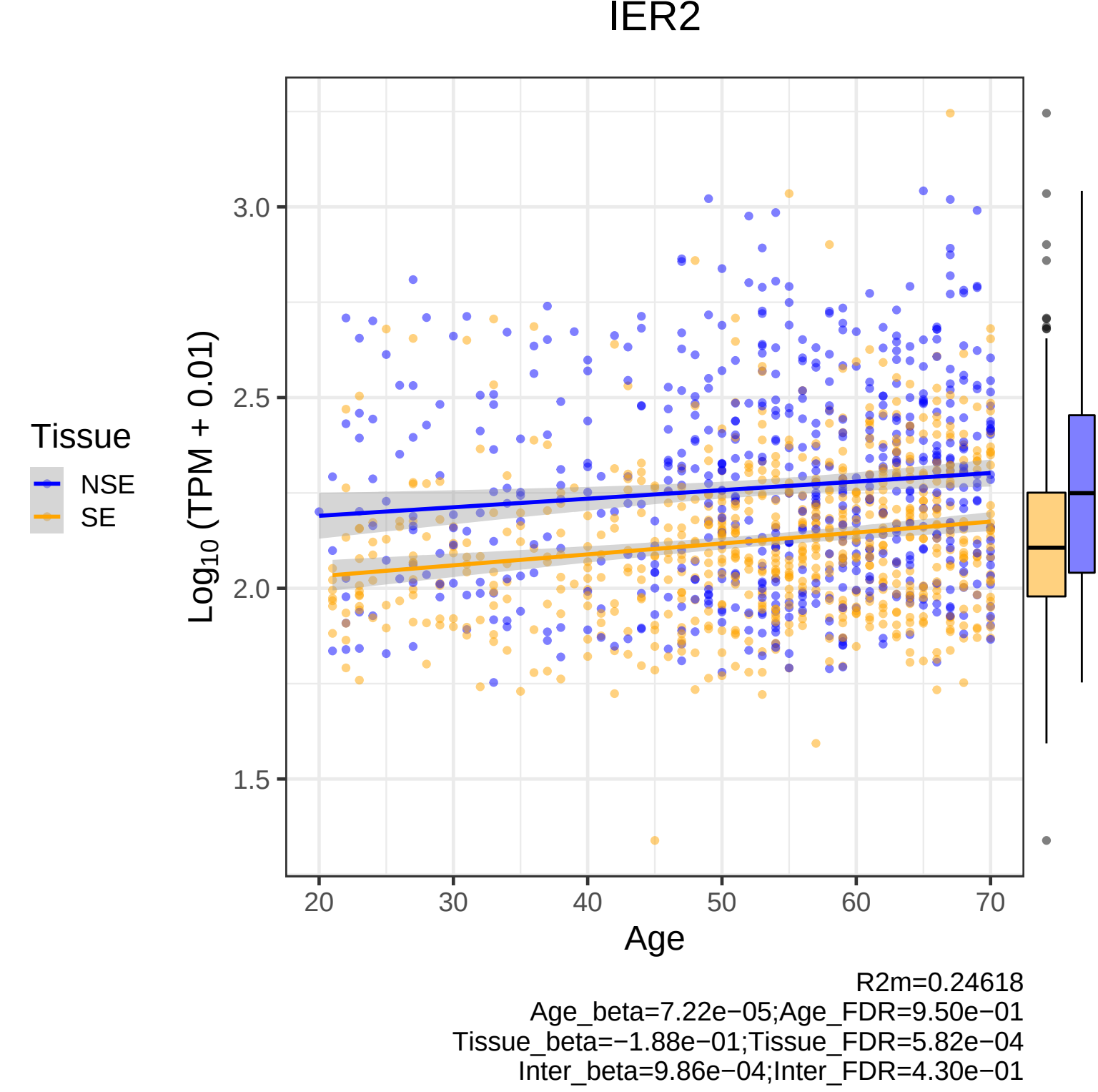

ODF3L1
Tissue
NSE
SE
Log10 (TPM + 0.01)
1
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.24769
Age_beta=6.84e−04;Age_FDR=7.34e−01
Tissue_beta=−6.69e−01;Tissue_FDR=7.29e−12
Inter_beta=6.27e−03;Inter_FDR=1.09e−03

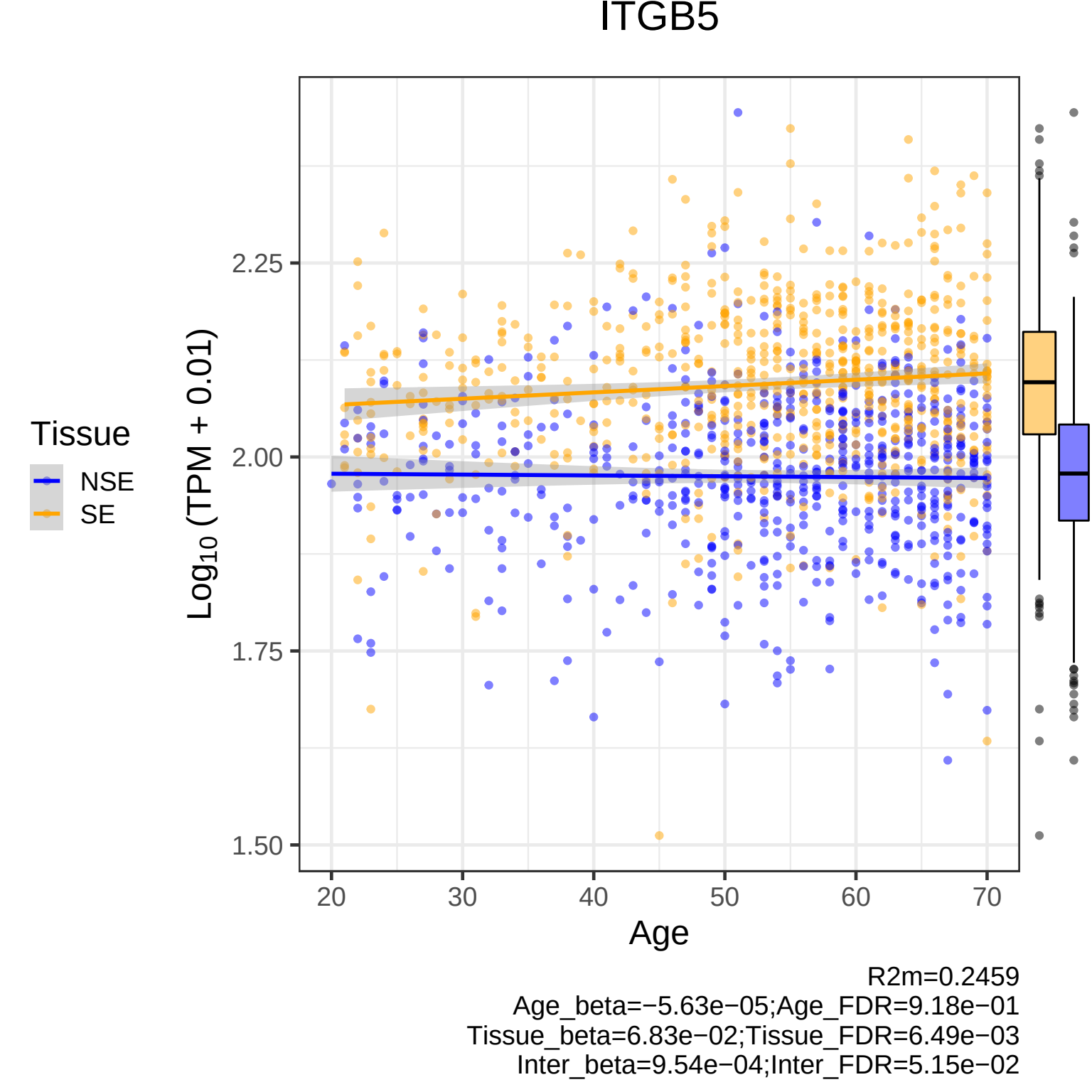

IL33
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.0
1.5
1.0
0.5
0.0
20
30
40
50
60
70
Age
R2m=0.24739
Age_beta=4.04e−03;Age_FDR=5.43e−04
Tissue_beta=−3.49e−01;Tissue_FDR=2.30e−07
Inter_beta=9.40e−04;Inter_FDR=5.66e−01

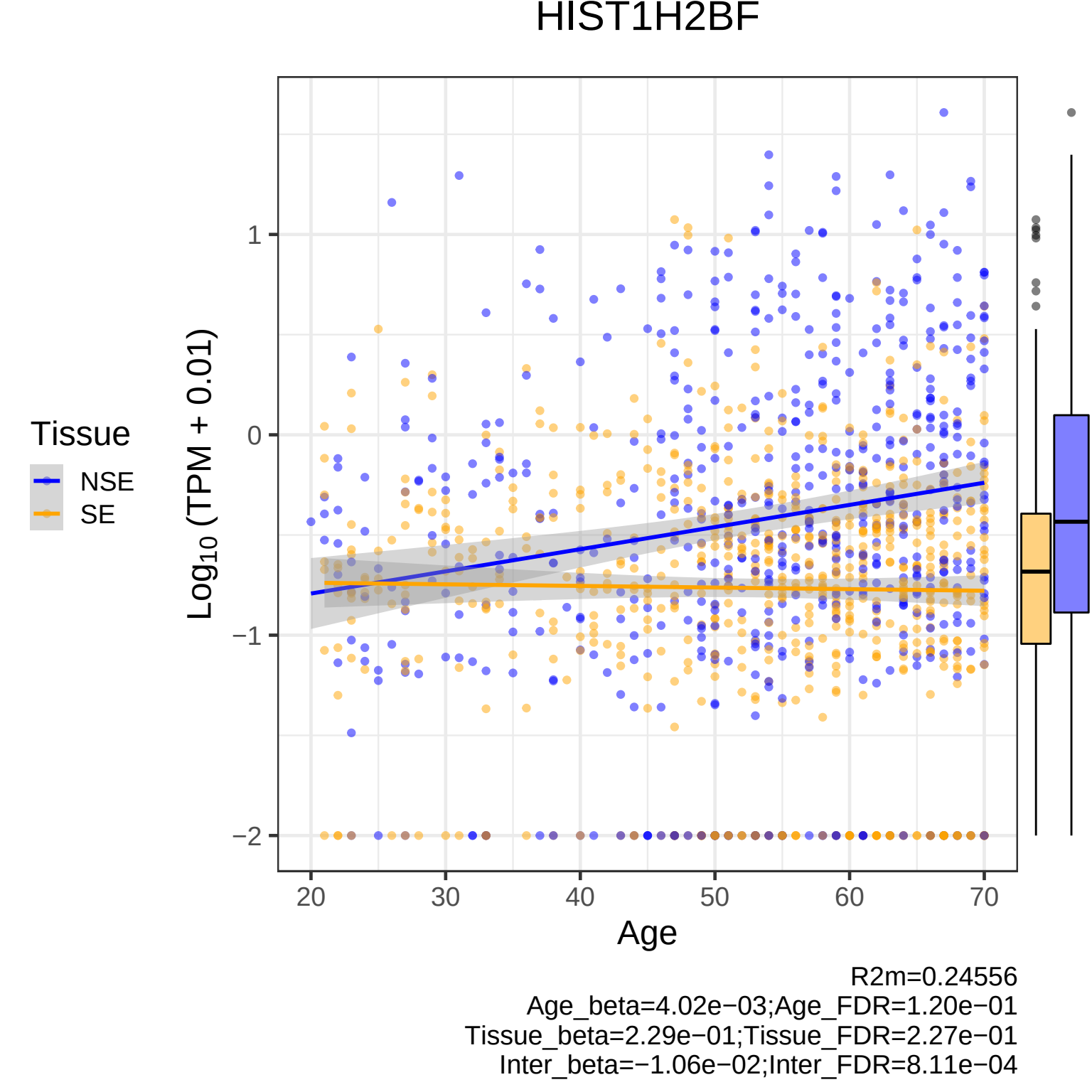

ZNF629
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.25
1.00
0.75
20
30
40
50
60
70
Age
R2m=0.24689
Age_beta=−9.49e−04;Age_FDR=1.24e−02
Tissue_beta=5.72e−02;Tissue_FDR=2.45e−02
Inter_beta=9.48e−04;Inter_FDR=5.10e−02

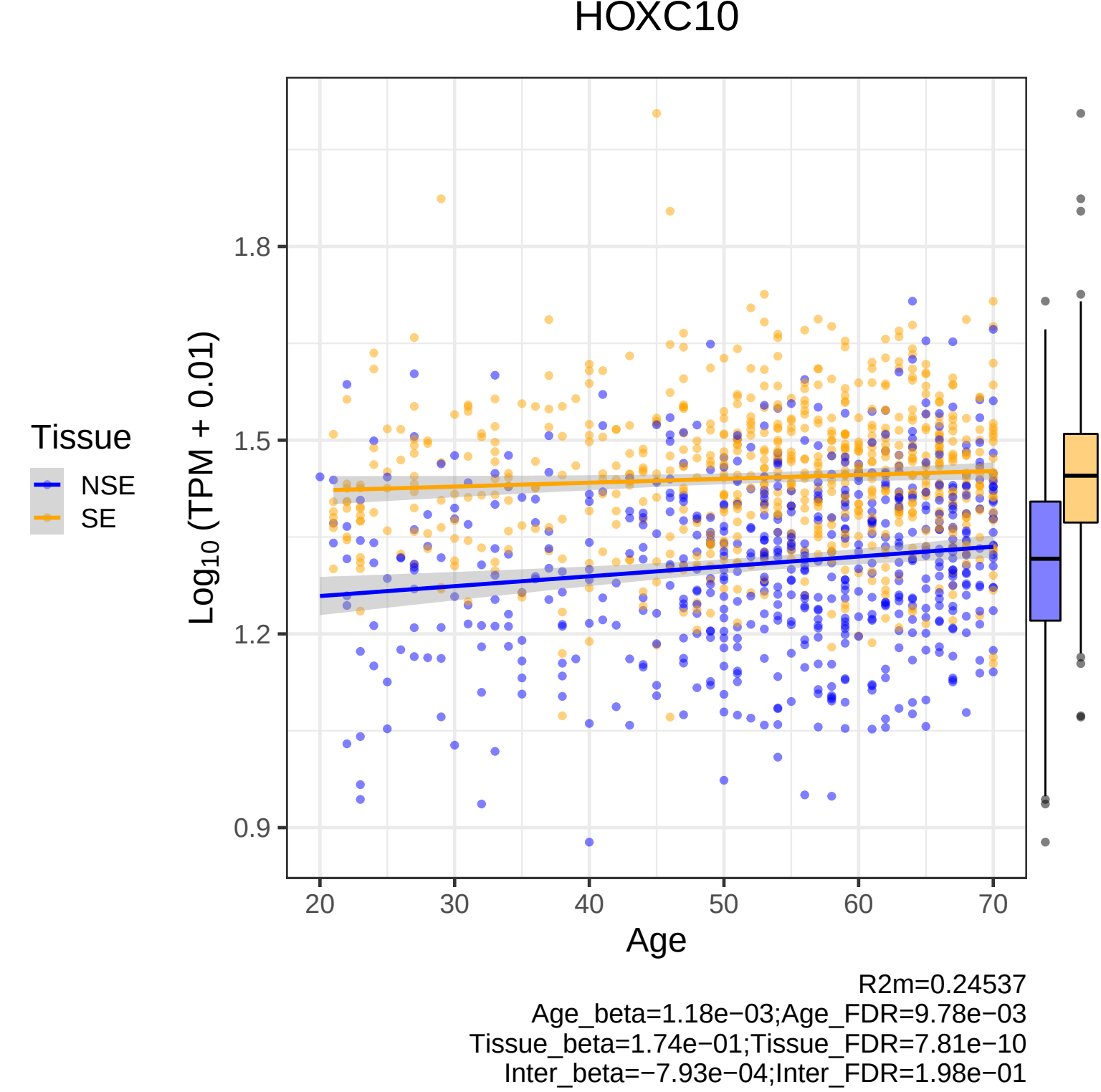

ZHX3
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.50
1.25
1.00
0.75
20
30
40
50
60
70
Age
R2m=0.24682
Age_beta=−2.11e−03;Age_FDR=8.52e−06
Tissue_beta=−5.31e−02;Tissue_FDR=8.92e−02
Inter_beta=2.26e−03;Inter_FDR=3.10e−05

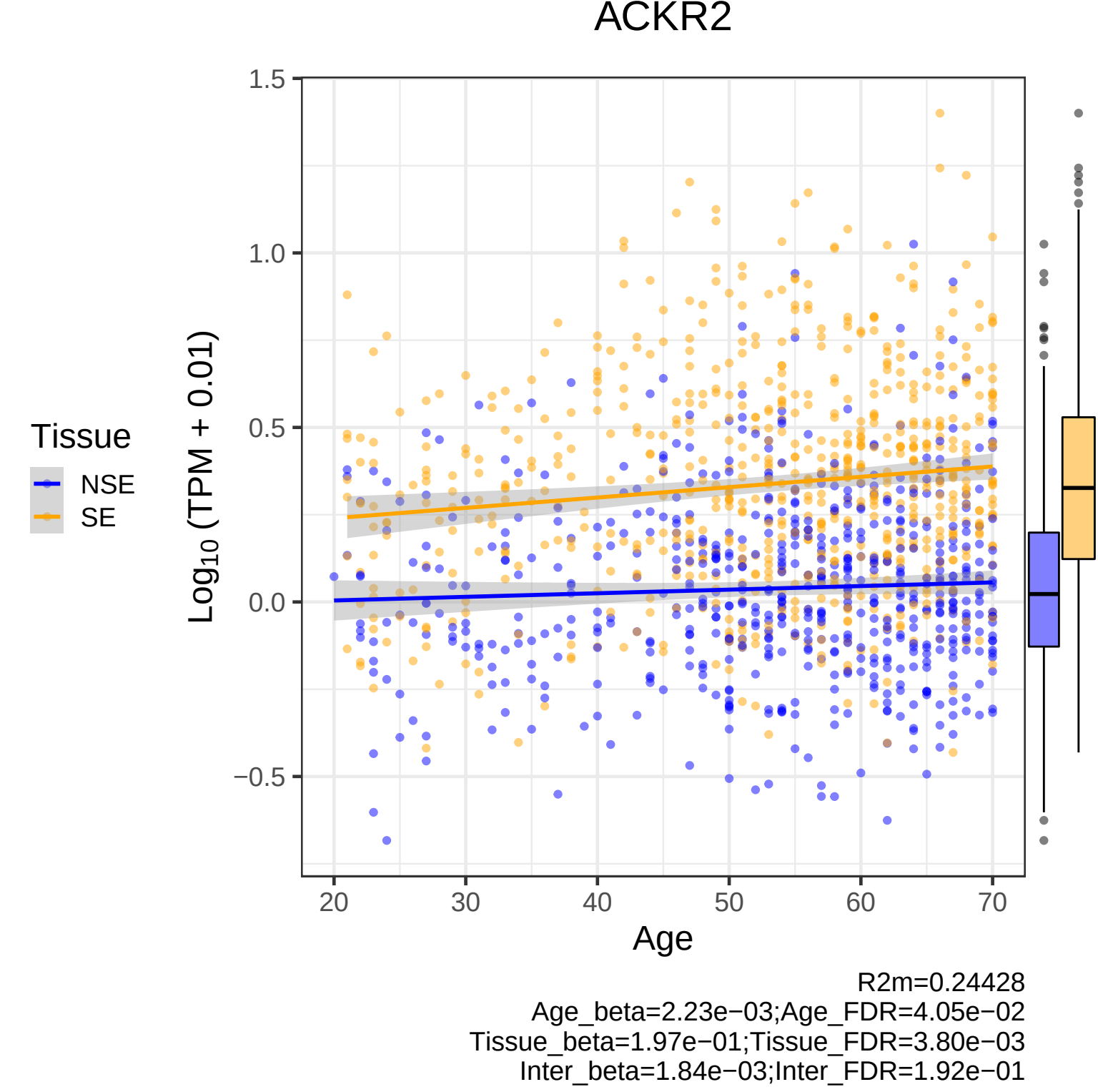

DCHS2
Tissue
NSE
SE
0.0
−0.5
−1.0
−1.5
−2.0
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.24656
Age_beta=3.34e−03;Age_FDR=9.71e−04
Tissue_beta=−2.10e−01;Tissue_FDR=5.42e−04
Inter_beta=−2.77e−04;Inter_FDR=8.64e−01

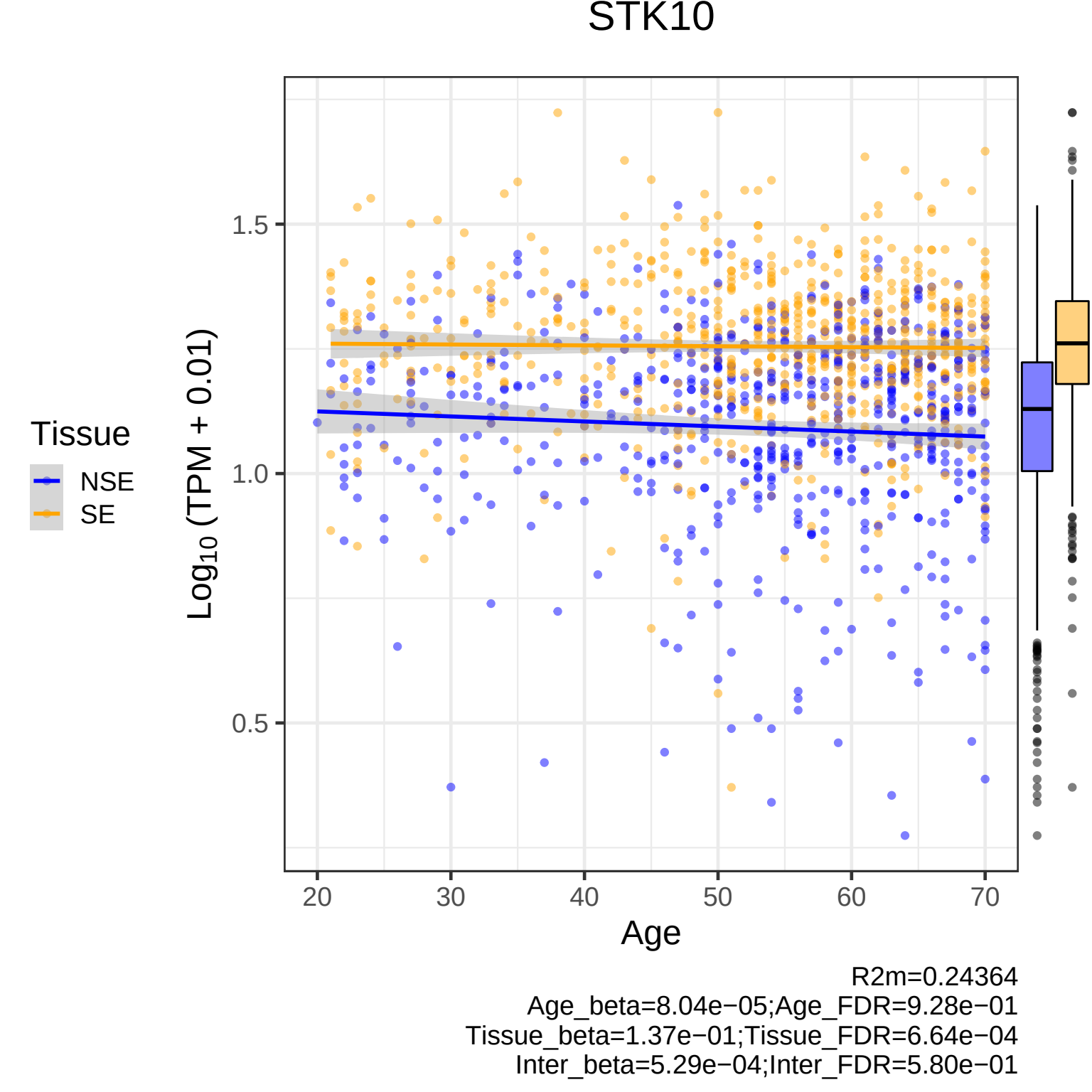

IER2
Tissue
NSE
SE
3.0
2.5
2.0
1.5
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.24618
Age_beta=7.22e−05;Age_FDR=9.50e−01
Tissue_beta=−1.88e−01;Tissue_FDR=5.82e−04
Inter_beta=9.86e−04;Inter_FDR=4.30e−01

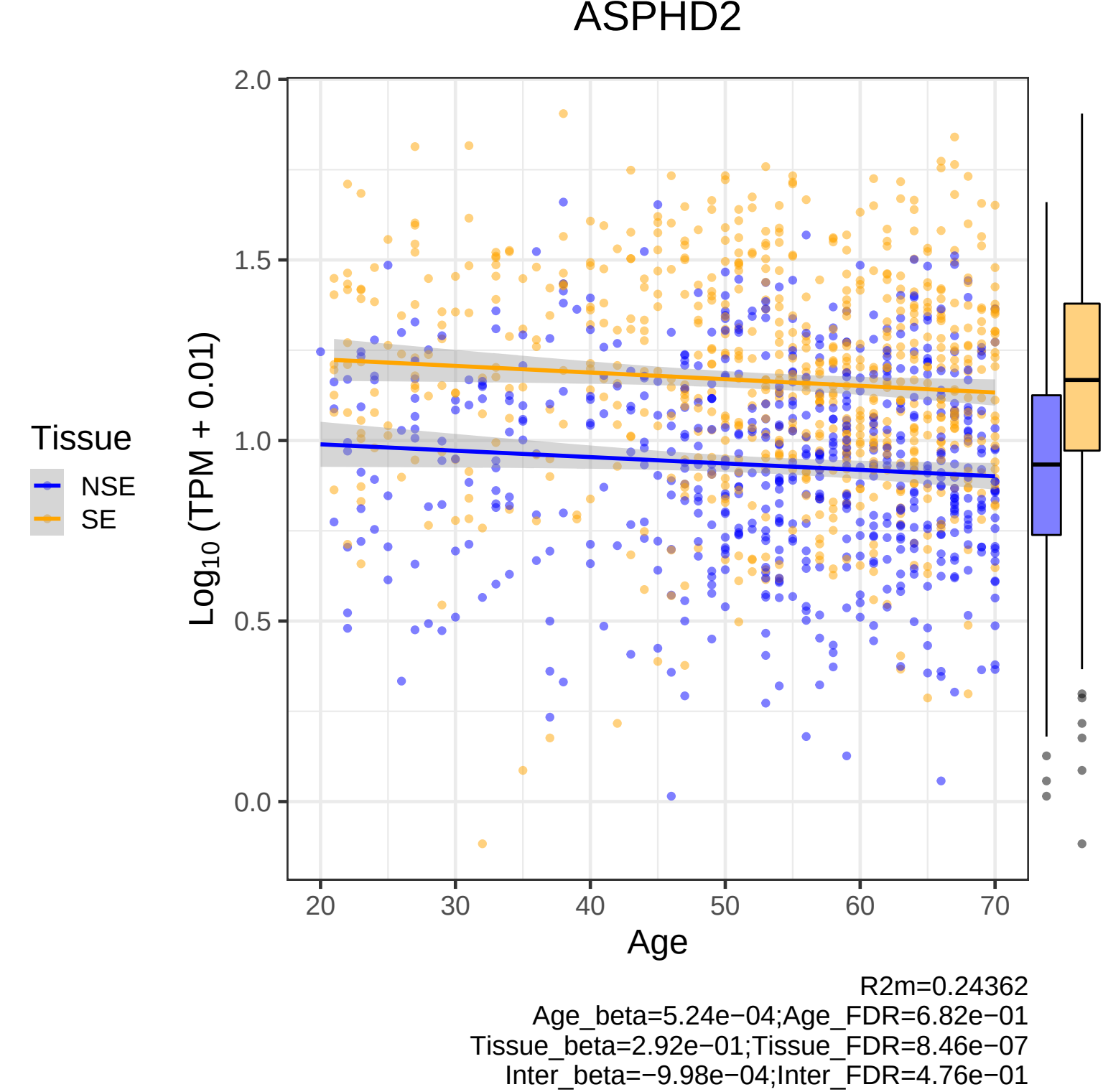

ITGB5
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.25
2.00
1.75
1.50
20
30
40
50
60
70
Age
R2m=0.2459
Age_beta=−5.63e−05;Age_FDR=9.18e−01
Tissue_beta=6.83e−02;Tissue_FDR=6.49e−03
Inter_beta=9.54e−04;Inter_FDR=5.15e−02

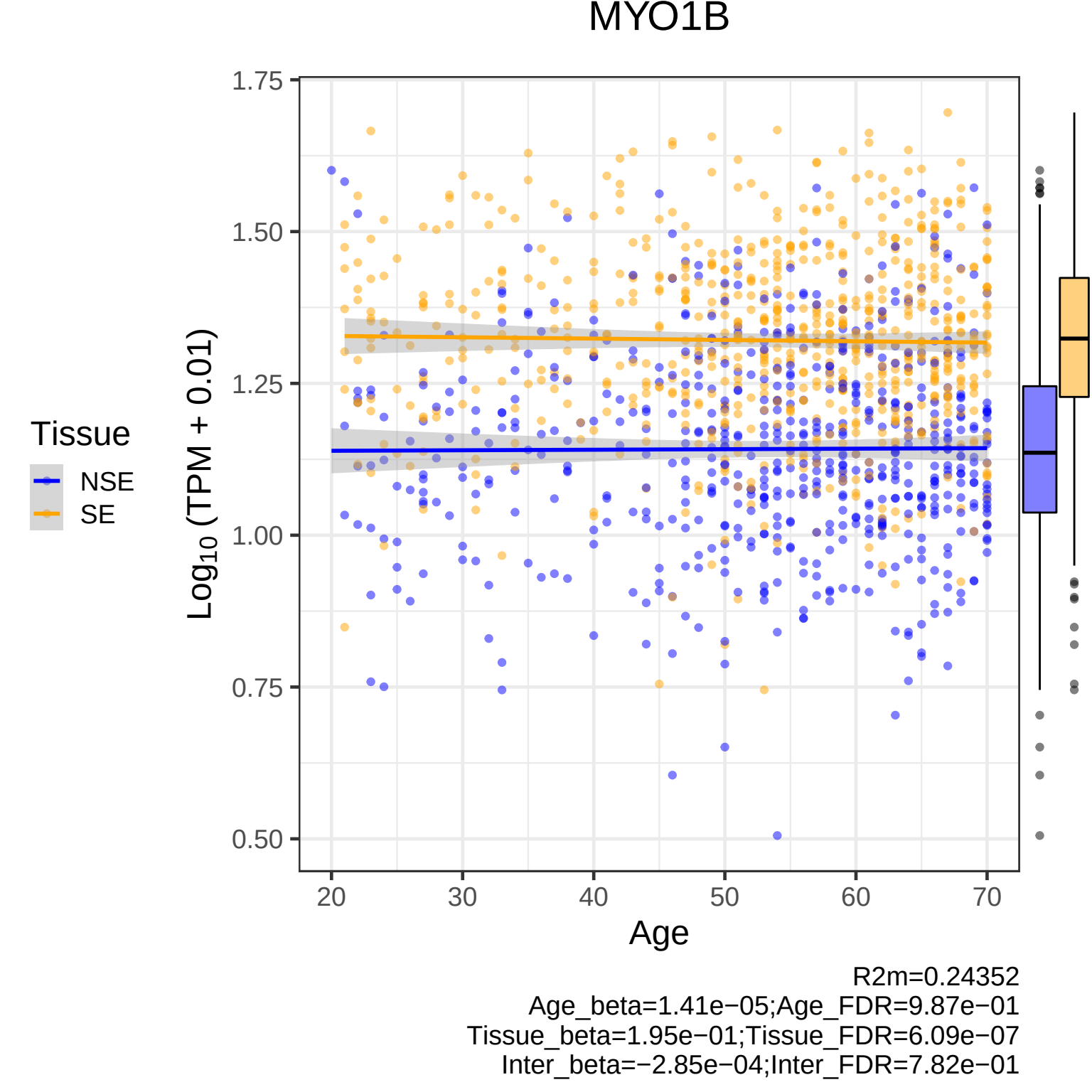

HIST1H2BF
Tissue
NSE
SE
Log10 (TPM + 0.01)
1
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.24556
Age_beta=4.02e−03;Age_FDR=1.20e−01
Tissue_beta=2.29e−01;Tissue_FDR=2.27e−01
Inter_beta=−1.06e−02;Inter_FDR=8.11e−04

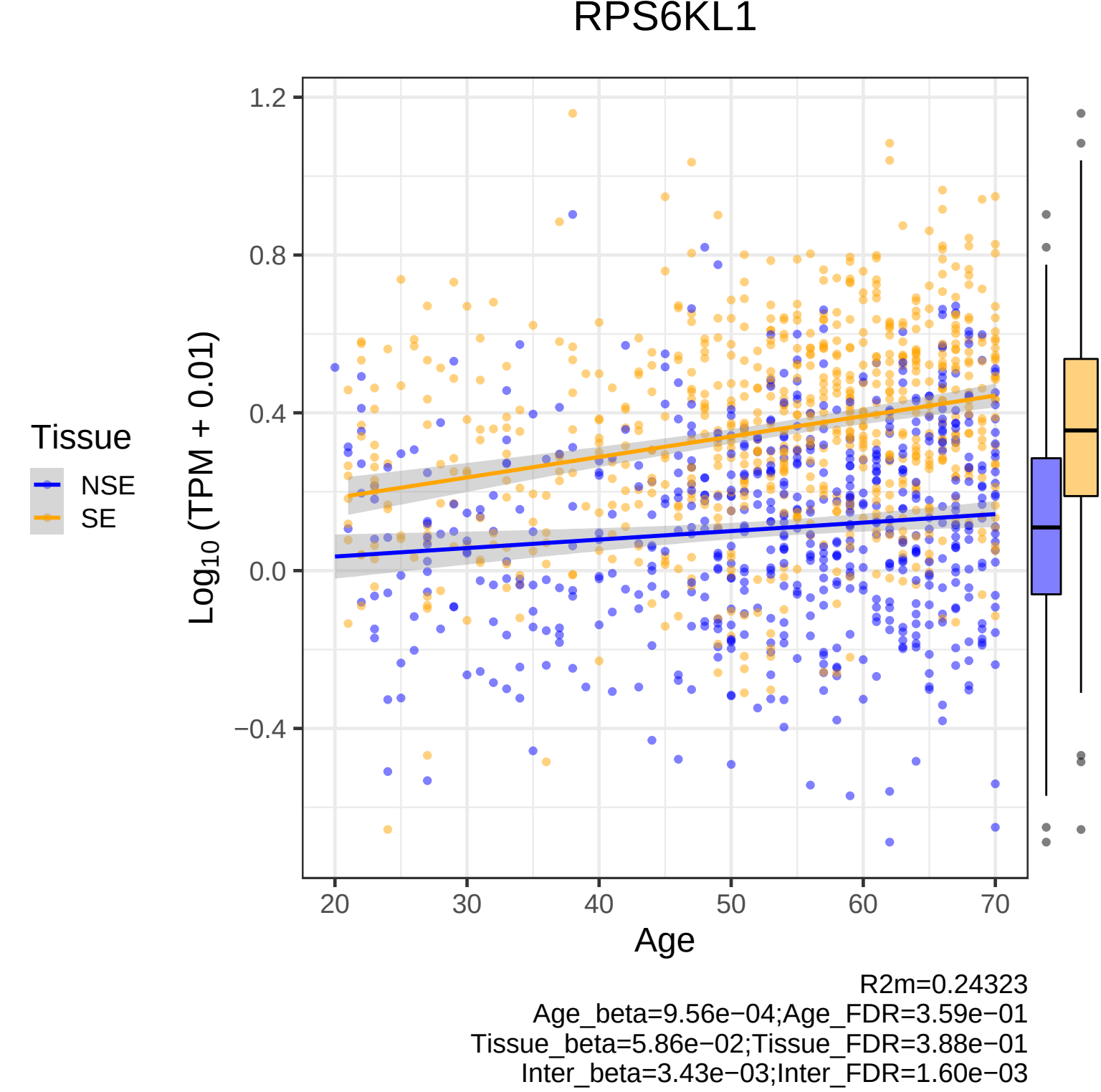

HOXC10
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.8
1.5
1.2
0.9
20
30
40
50
60
70
Age
R2m=0.24537
Age_beta=1.18e−03;Age_FDR=9.78e−03
Tissue_beta=1.74e−01;Tissue_FDR=7.81e−10
Inter_beta=−7.93e−04;Inter_FDR=1.98e−01

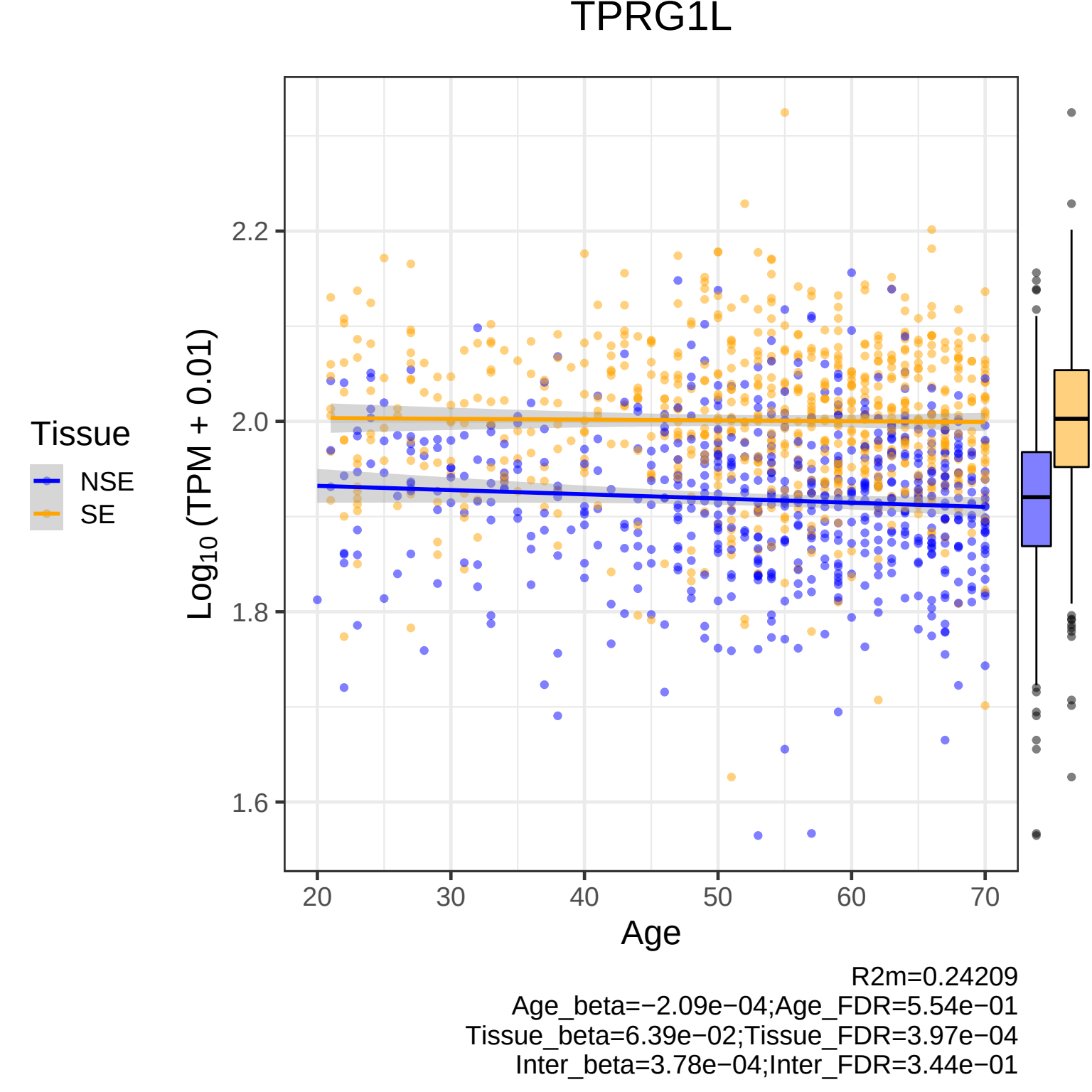

ACKR2
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.5
1.0
0.5
0.0
−0.5
20
30
40
50
60
70
Age
R2m=0.24428
Age_beta=2.23e−03;Age_FDR=4.05e−02
Tissue_beta=1.97e−01;Tissue_FDR=3.80e−03
Inter_beta=1.84e−03;Inter_FDR=1.92e−01

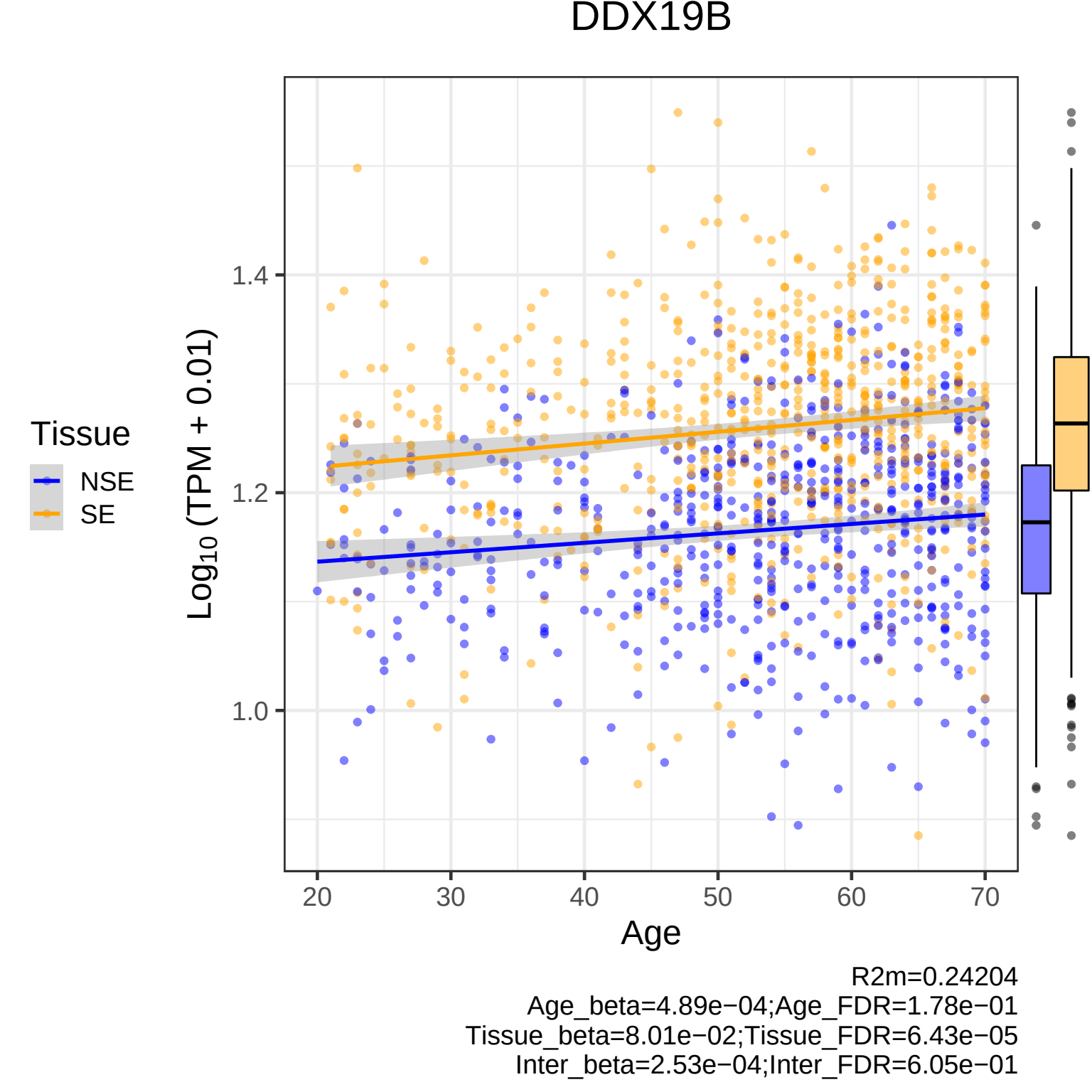

STK10
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.5
1.0
0.5
20
30
40
50
60
70
Age
R2m=0.24364
Age_beta=8.04e−05;Age_FDR=9.28e−01
Tissue_beta=1.37e−01;Tissue_FDR=6.64e−04
Inter_beta=5.29e−04;Inter_FDR=5.80e−01

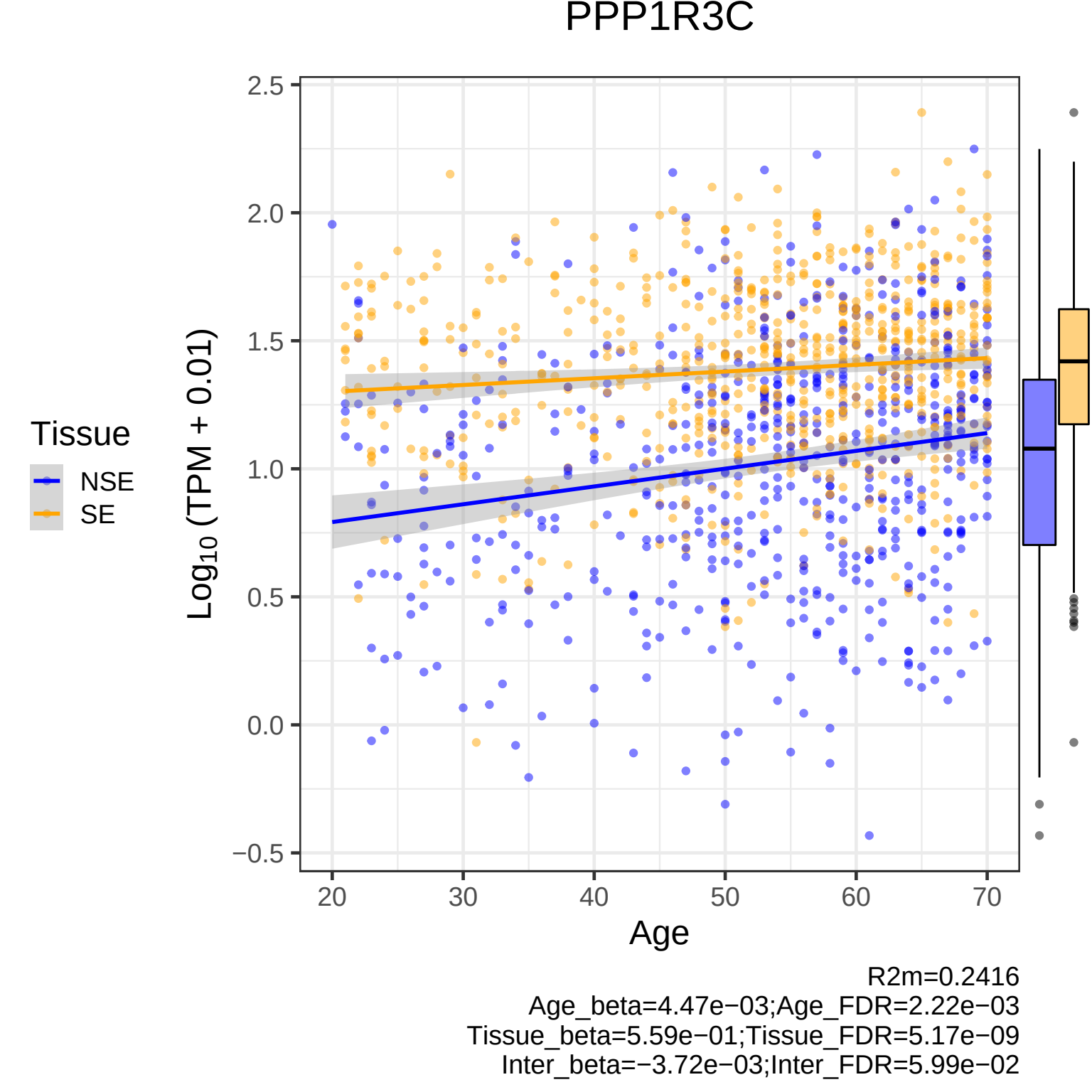

ASPHD2
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.0
1.5
1.0
0.5
0.0
20
30
40
50
60
70
Age
R2m=0.24362
Age_beta=5.24e−04;Age_FDR=6.82e−01
Tissue_beta=2.92e−01;Tissue_FDR=8.46e−07
Inter_beta=−9.98e−04;Inter_FDR=4.76e−01

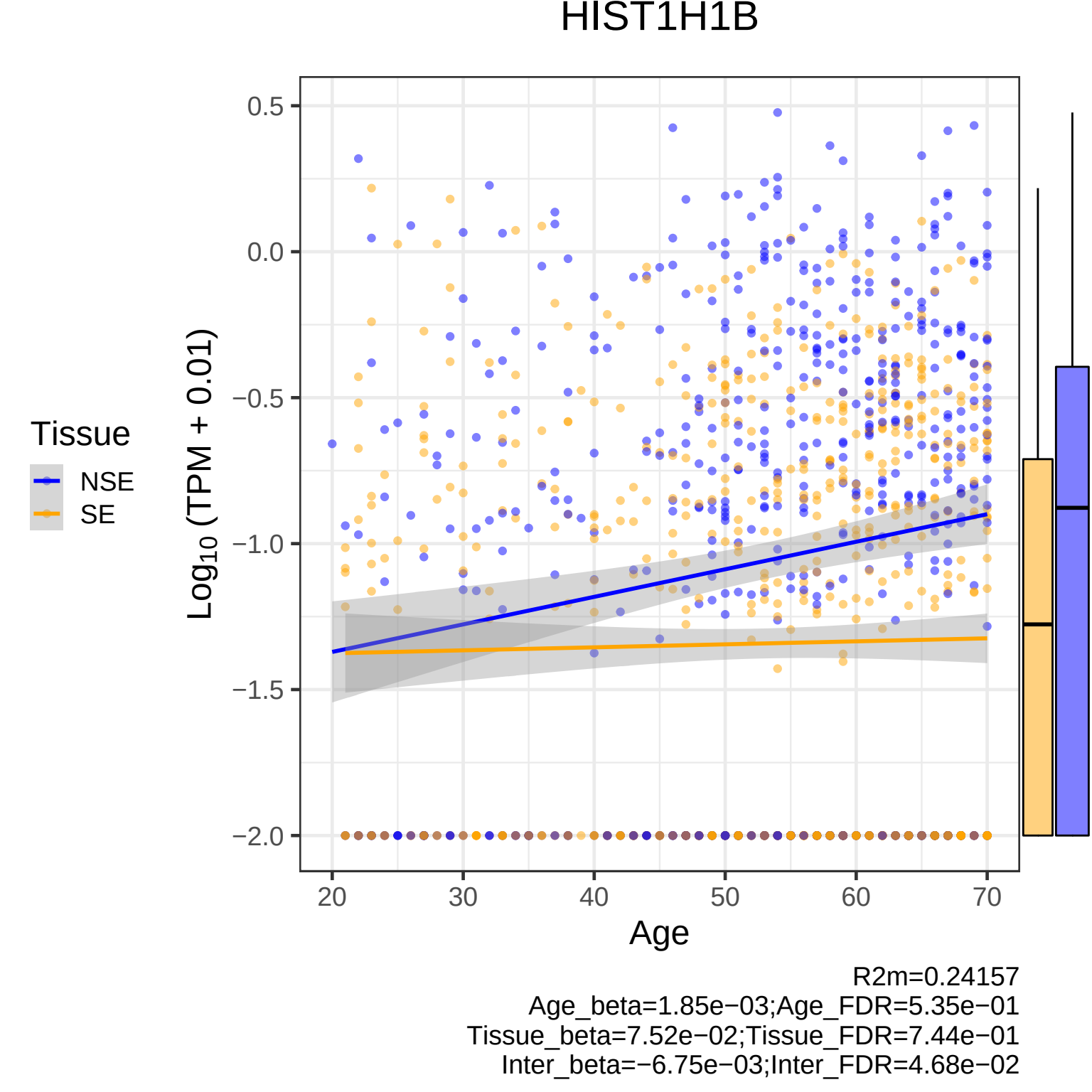

MYO1B
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.75
1.50
1.25
1.00
0.75
0.50
20
30
40
50
60
70
Age
R2m=0.24352
Age_beta=1.41e−05;Age_FDR=9.87e−01
Tissue_beta=1.95e−01;Tissue_FDR=6.09e−07
Inter_beta=−2.85e−04;Inter_FDR=7.82e−01

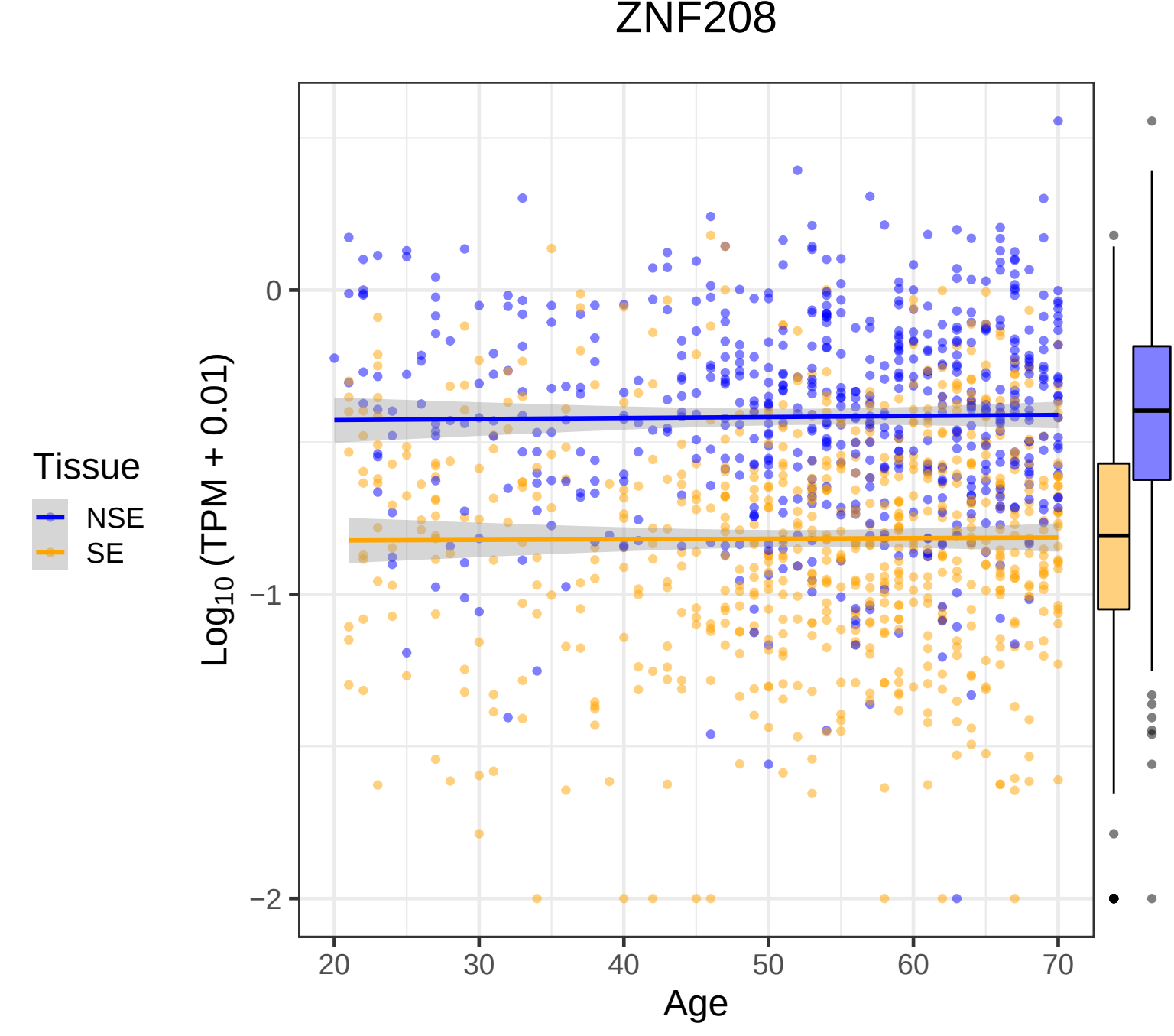

RPS6KL1
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.2
0.8
0.4
0.0
−0.4
20
30
40
50
60
70
Age
R2m=0.24323
Age_beta=9.56e−04;Age_FDR=3.59e−01
Tissue_beta=5.86e−02;Tissue_FDR=3.88e−01
Inter_beta=3.43e−03;Inter_FDR=1.60e−03

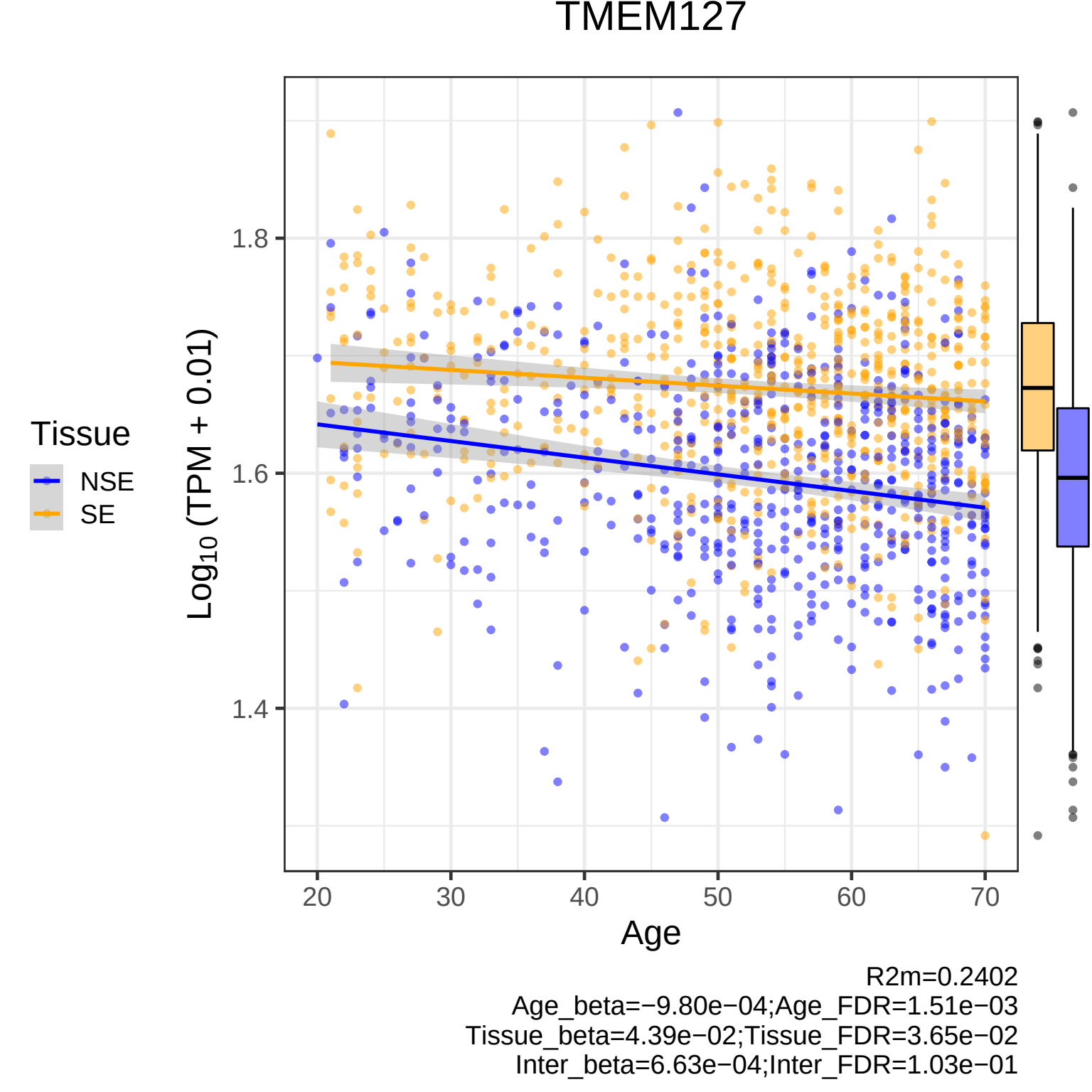

TPRG1L
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.2
2.0
1.8
1.6
20
30
40
50
60
70
Age
R2m=0.24209
Age_beta=−2.09e−04;Age_FDR=5.54e−01
Tissue_beta=6.39e−02;Tissue_FDR=3.97e−04
Inter_beta=3.78e−04;Inter_FDR=3.44e−01

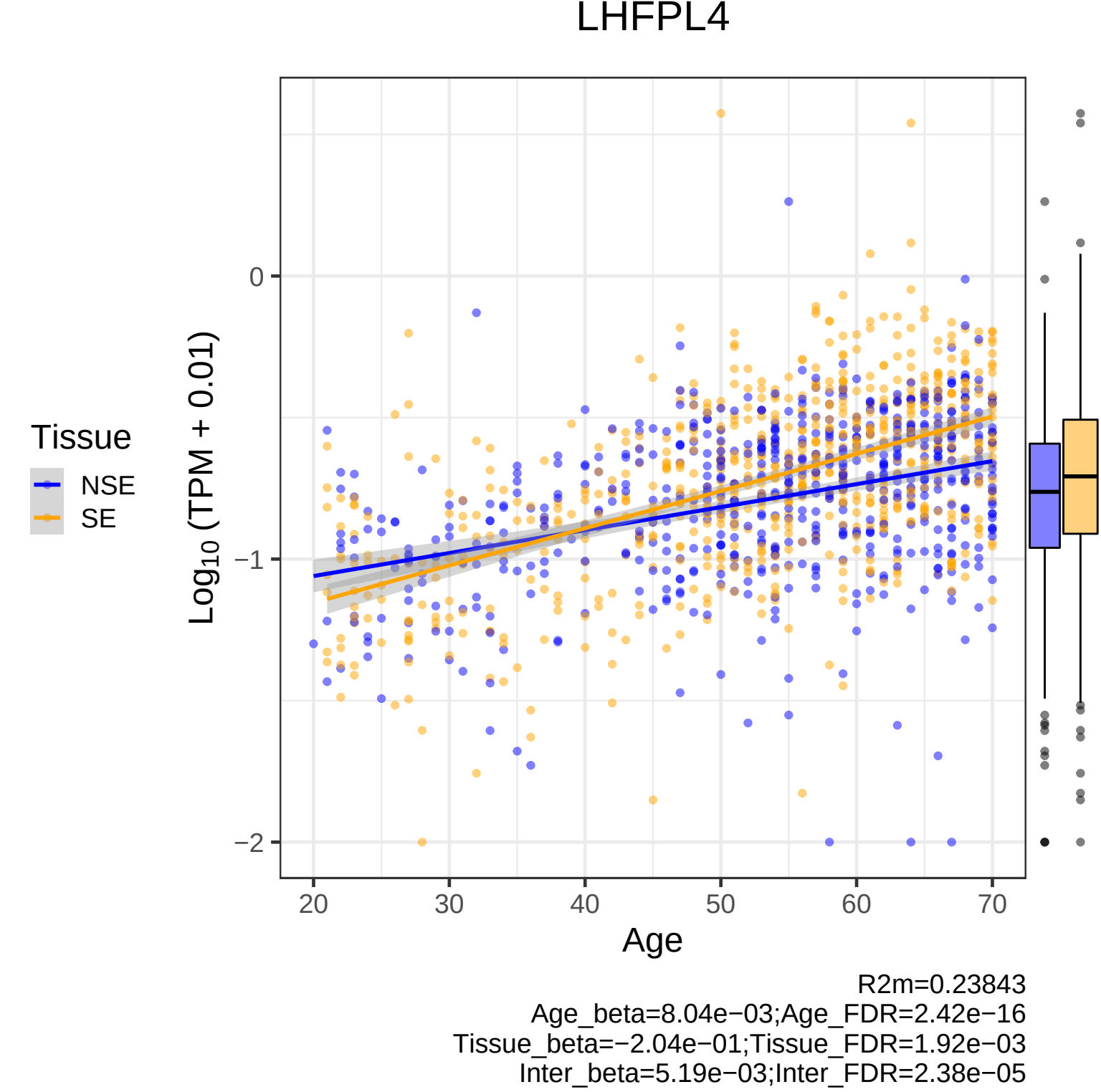

DDX19B
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.4
1.2
1.0
20
30
40
50
60
70
Age
R2m=0.24204
Age_beta=4.89e−04;Age_FDR=1.78e−01
Tissue_beta=8.01e−02;Tissue_FDR=6.43e−05
Inter_beta=2.53e−04;Inter_FDR=6.05e−01

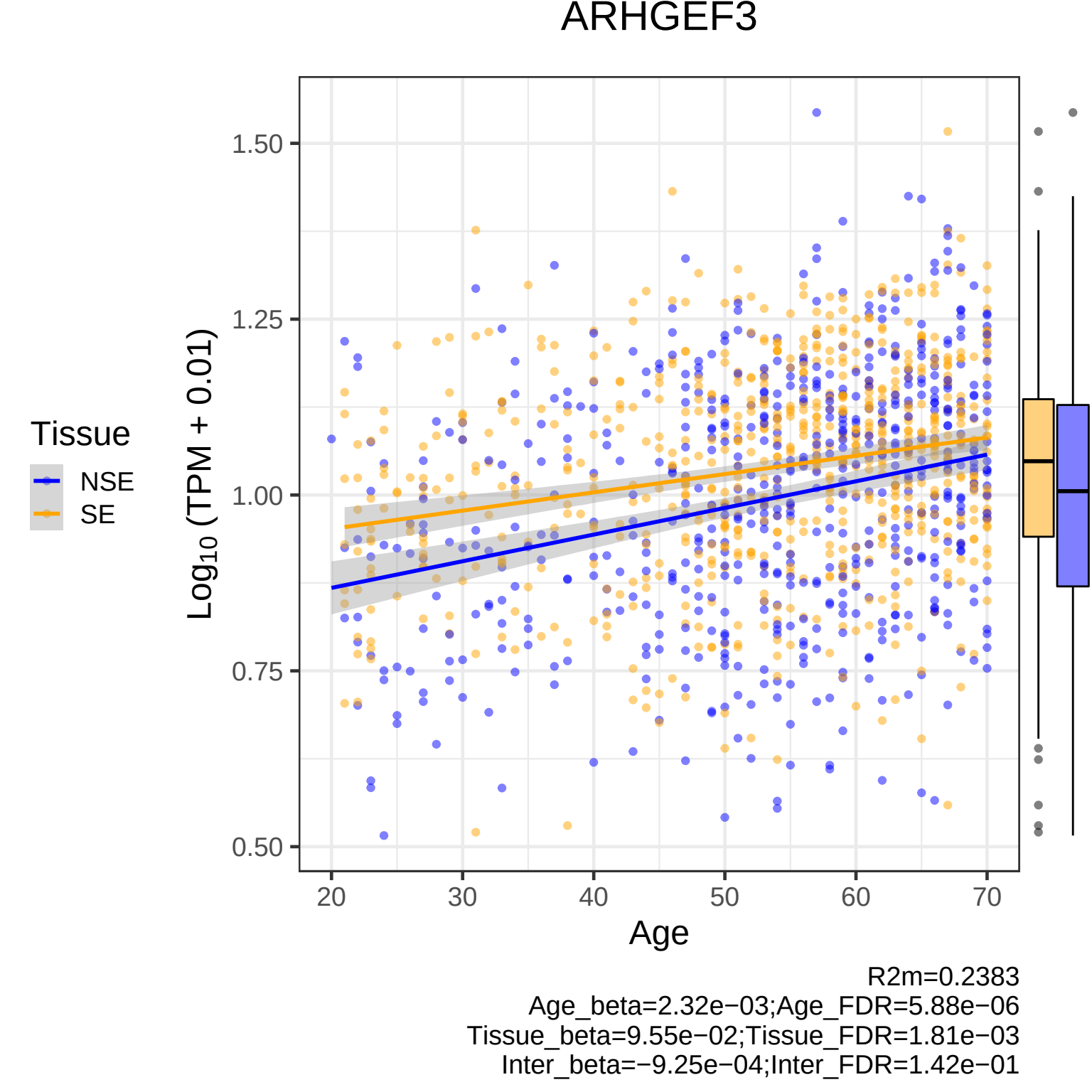

PPP1R3C
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
20
30
40
50
60
70
Age
R2m=0.2416
Age_beta=4.47e−03;Age_FDR=2.22e−03
Tissue_beta=5.59e−01;Tissue_FDR=5.17e−09
Inter_beta=−3.72e−03;Inter_FDR=5.99e−02

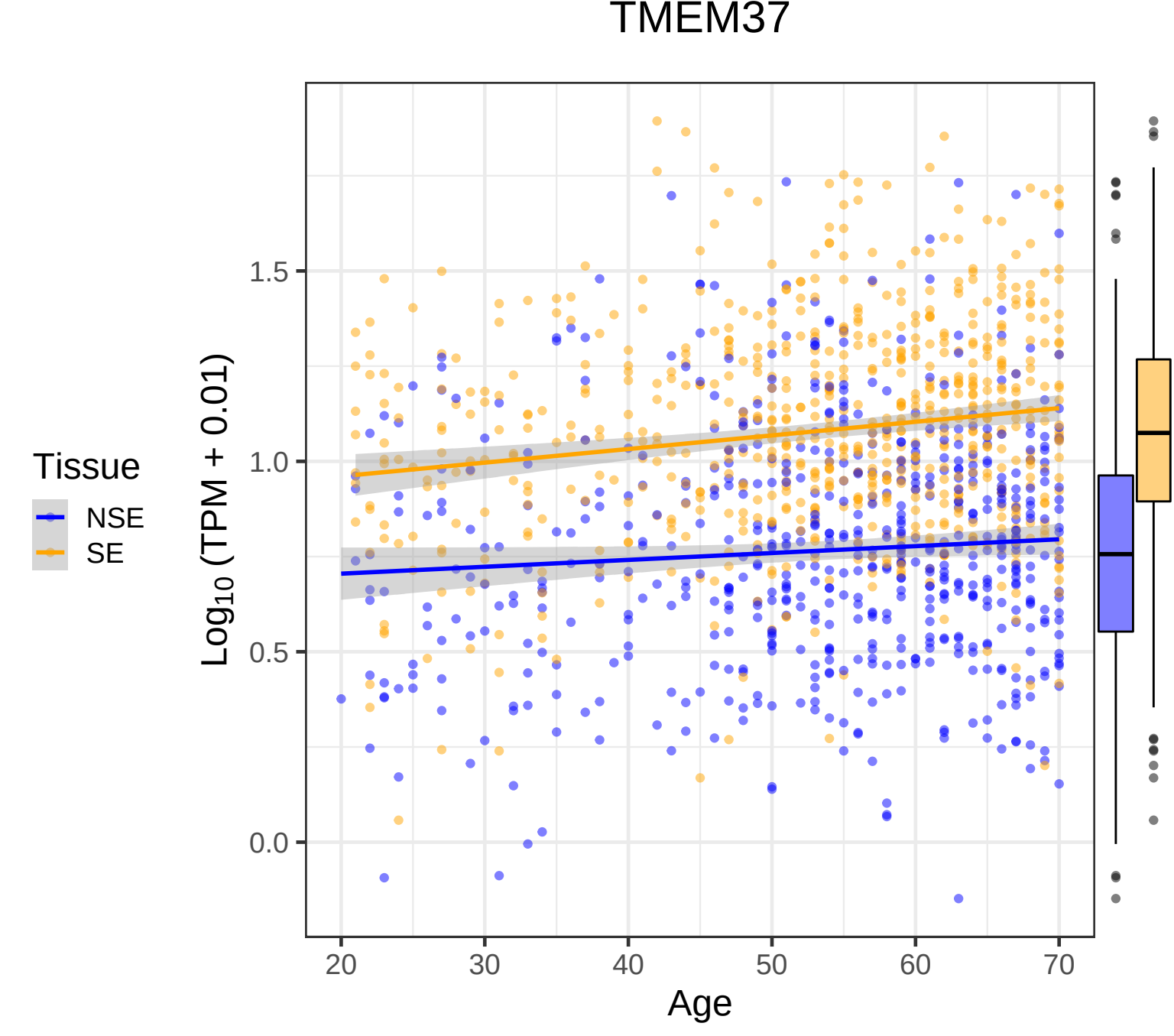

HIST1H1B
Tissue
NSE
SE
Log10 (TPM + 0.01)
0.5
0.0
−0.5
−1.0
−1.5
−2.0
20
30
40
50
60
70
Age
R2m=0.24157
Age_beta=1.85e−03;Age_FDR=5.35e−01
Tissue_beta=7.52e−02;Tissue_FDR=7.44e−01
Inter_beta=−6.75e−03;Inter_FDR=4.68e−02

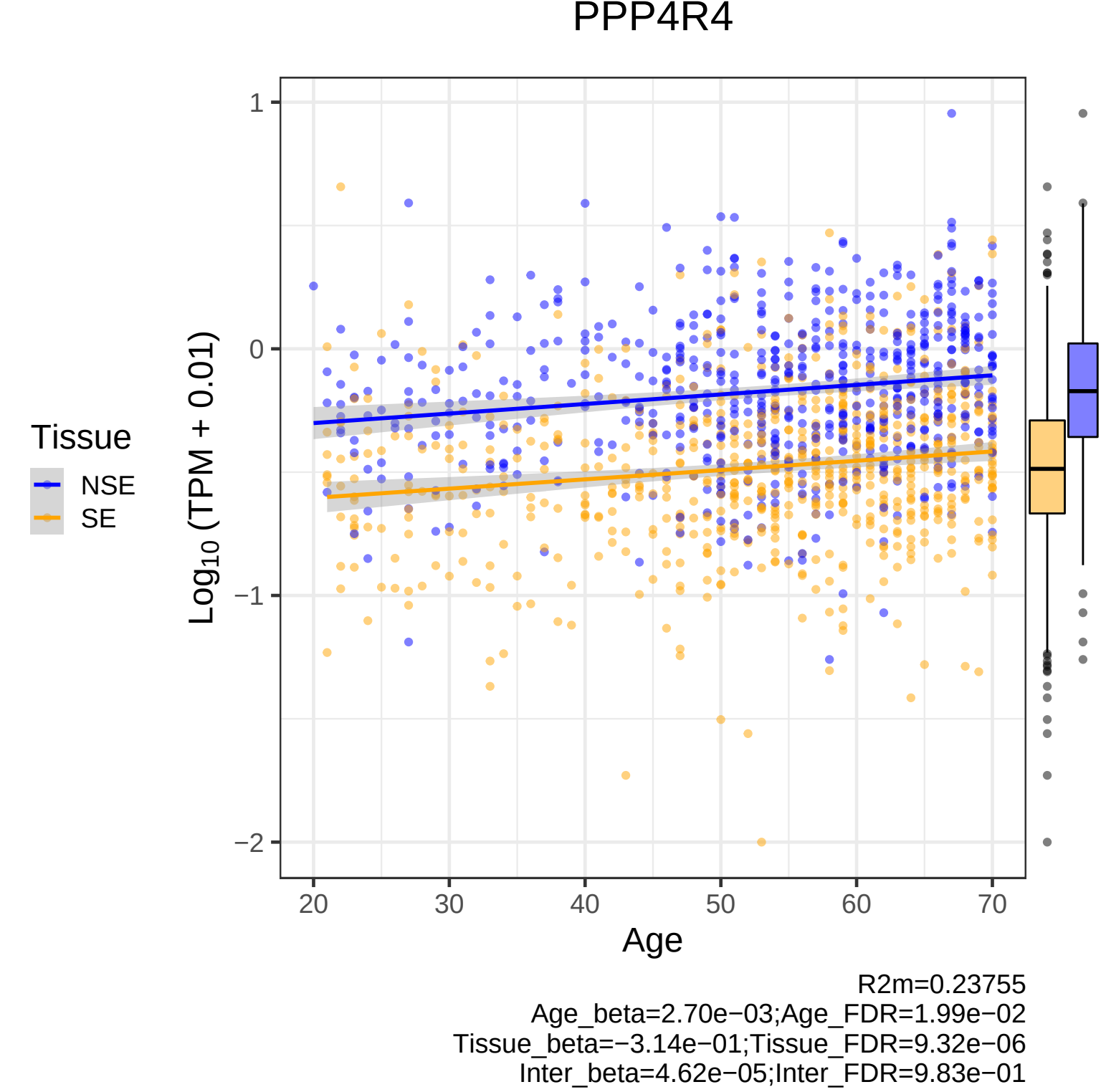

ZNF208
Tissue
NSE
SE
Log10 (TPM + 0.01)
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.2413
Age_beta=5.98e−04;Age_FDR=7.29e−01
Tissue_beta=−4.21e−01;Tissue_FDR=2.93e−07
Inter_beta=3.49e−04;Inter_FDR=8.77e−01

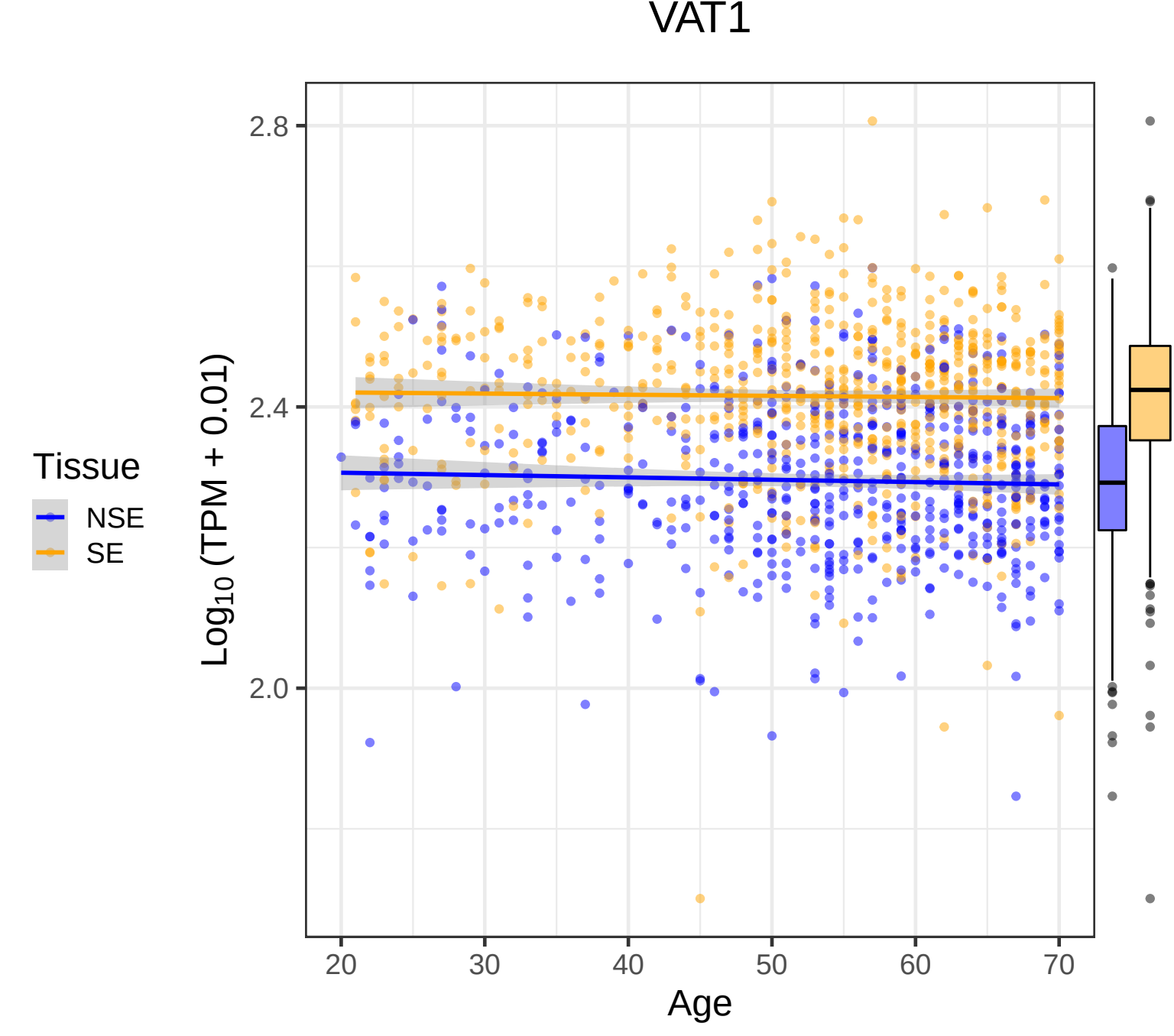

TMEM127
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.8
1.6
1.4
20
30
40
50
60
70
Age
R2m=0.2402
Age_beta=−9.80e−04;Age_FDR=1.51e−03
Tissue_beta=4.39e−02;Tissue_FDR=3.65e−02
Inter_beta=6.63e−04;Inter_FDR=1.03e−01

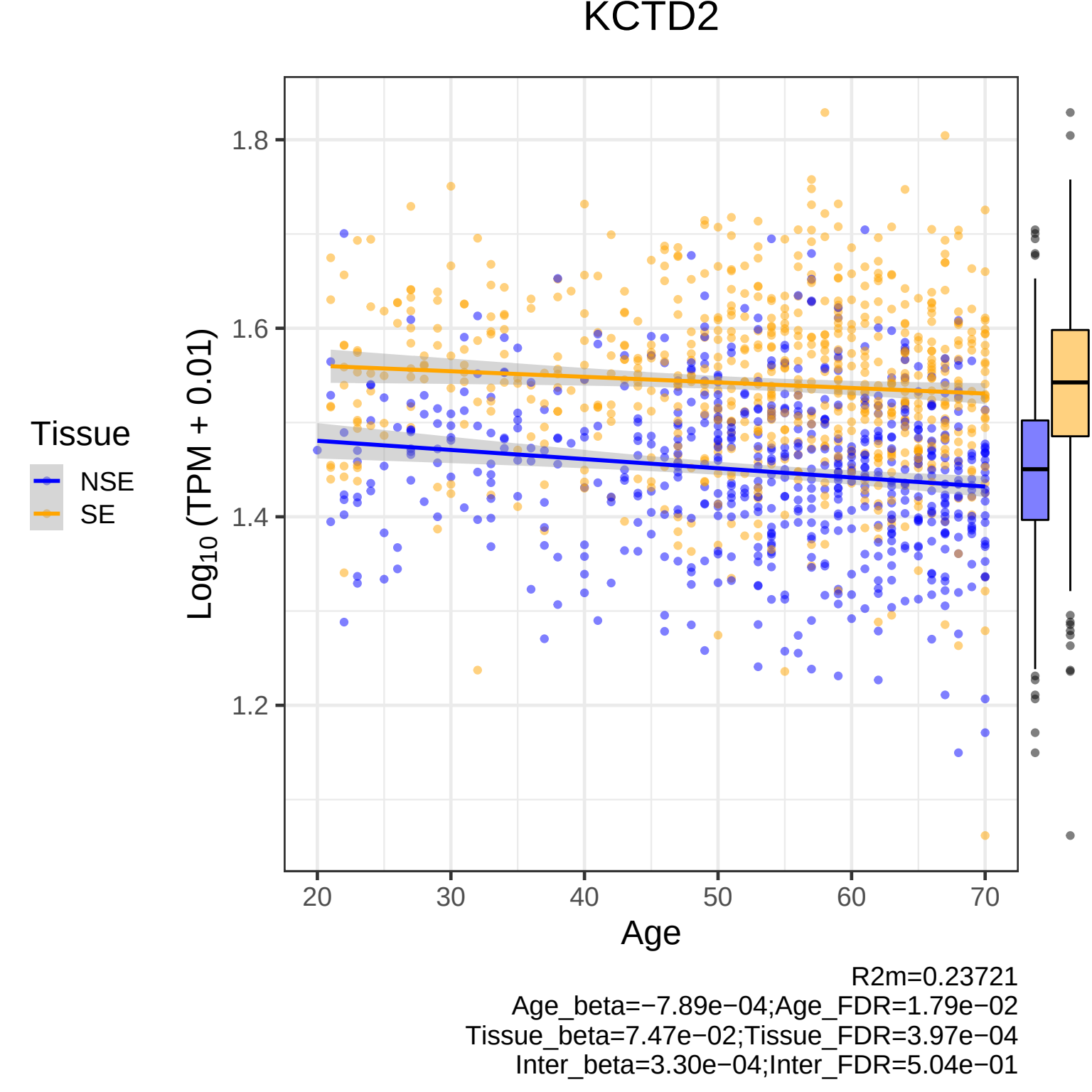

LHFPL4
Tissue
NSE
SE
Log10 (TPM + 0.01)
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.23843
Age_beta=8.04e−03;Age_FDR=2.42e−16
Tissue_beta=−2.04e−01;Tissue_FDR=1.92e−03
Inter_beta=5.19e−03;Inter_FDR=2.38e−05

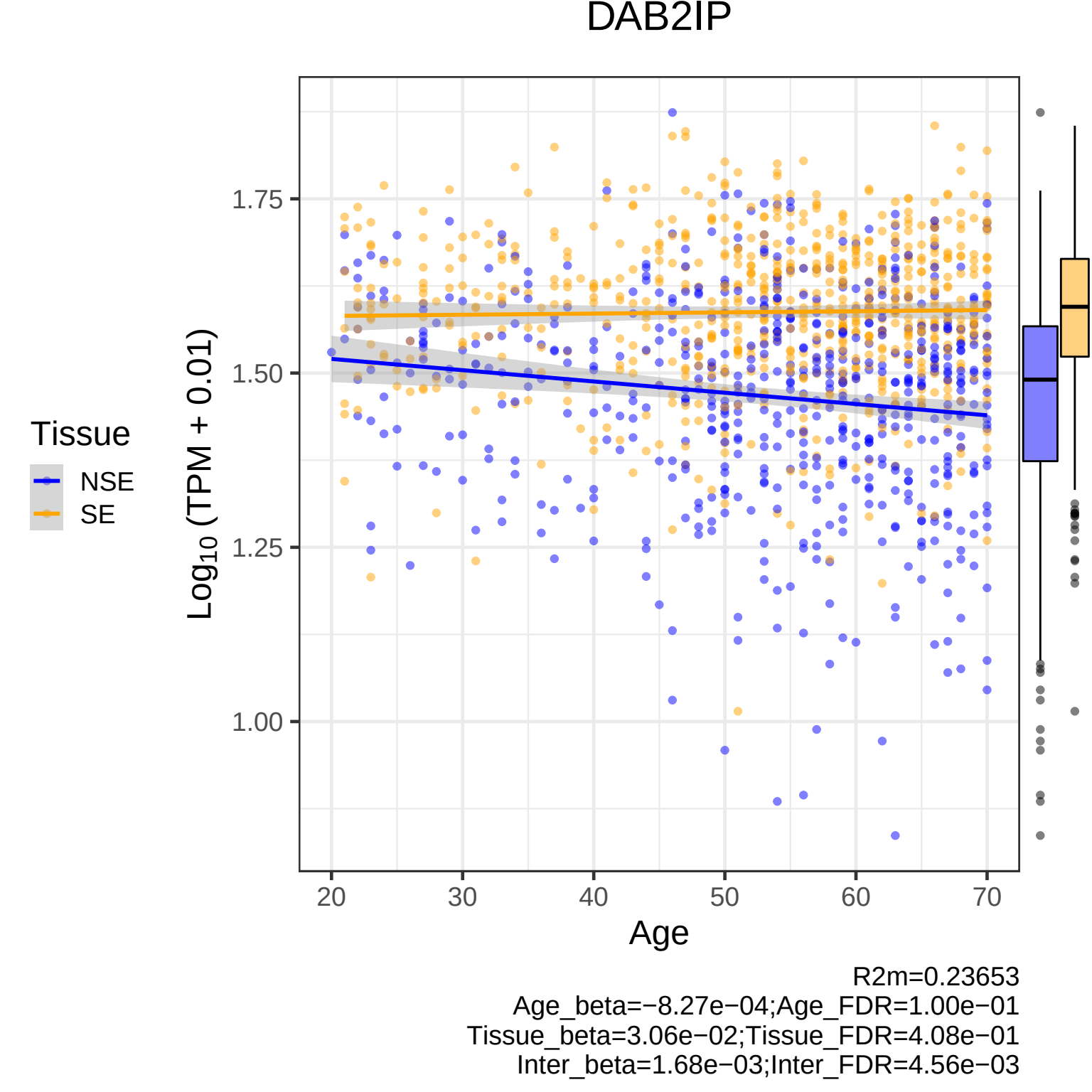

ARHGEF3
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.50
1.25
1.00
0.75
0.50
20
30
40
50
60
70
Age
R2m=0.2383
Age_beta=2.32e−03;Age_FDR=5.88e−06
Tissue_beta=9.55e−02;Tissue_FDR=1.81e−03
Inter_beta=−9.25e−04;Inter_FDR=1.42e−01

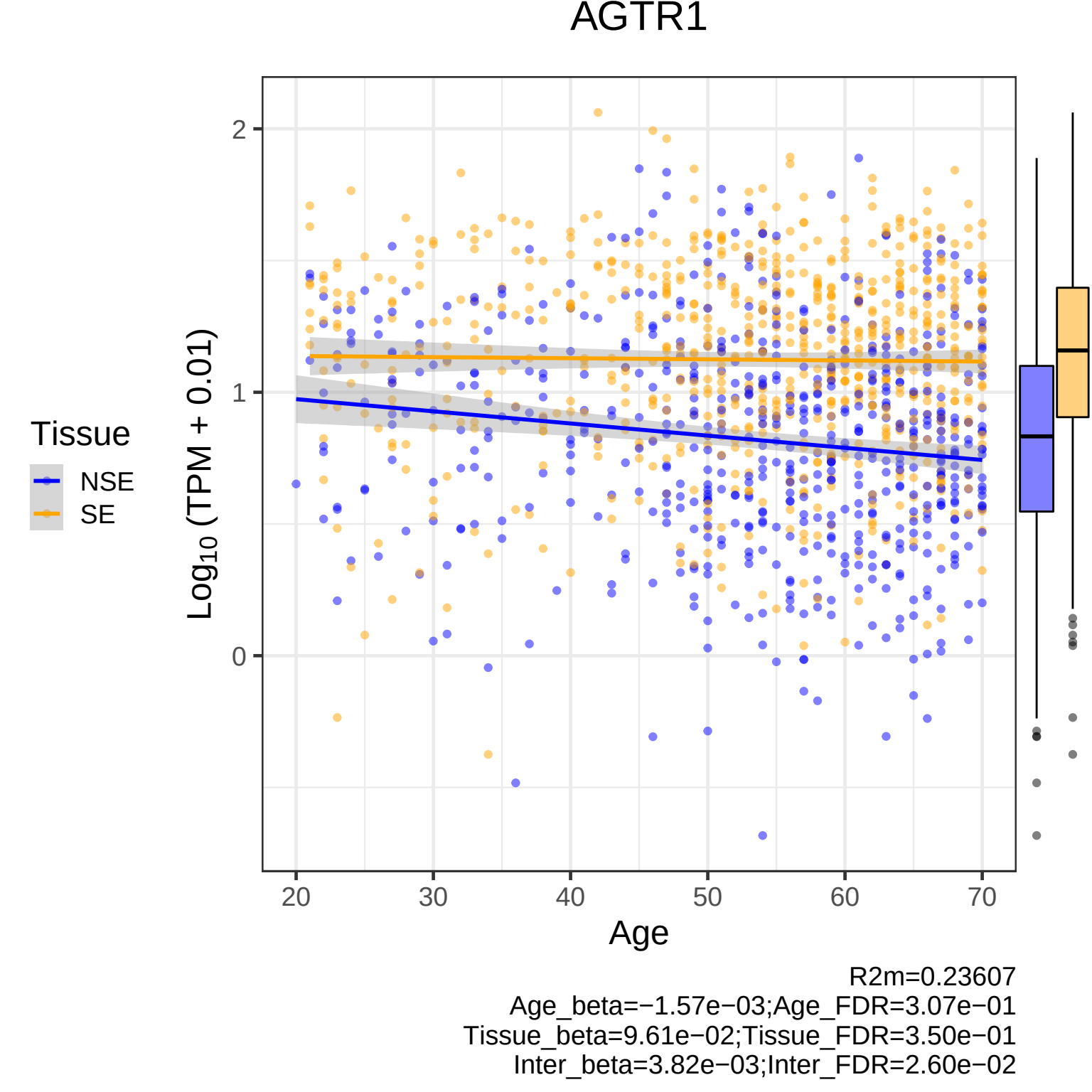

TMEM37
Tissue
NSE
SE
Log10 (TPM + 0.01)
0.0
0.5
1.0
1.5
20
30
40
50
60
70
Age
R2m=0.23778
Age_beta=2.53e−03;Age_FDR=2.35e−02
Tissue_beta=2.07e−01;Tissue_FDR=2.16e−03
Inter_beta=1.94e−03;Inter_FDR=1.68e−01

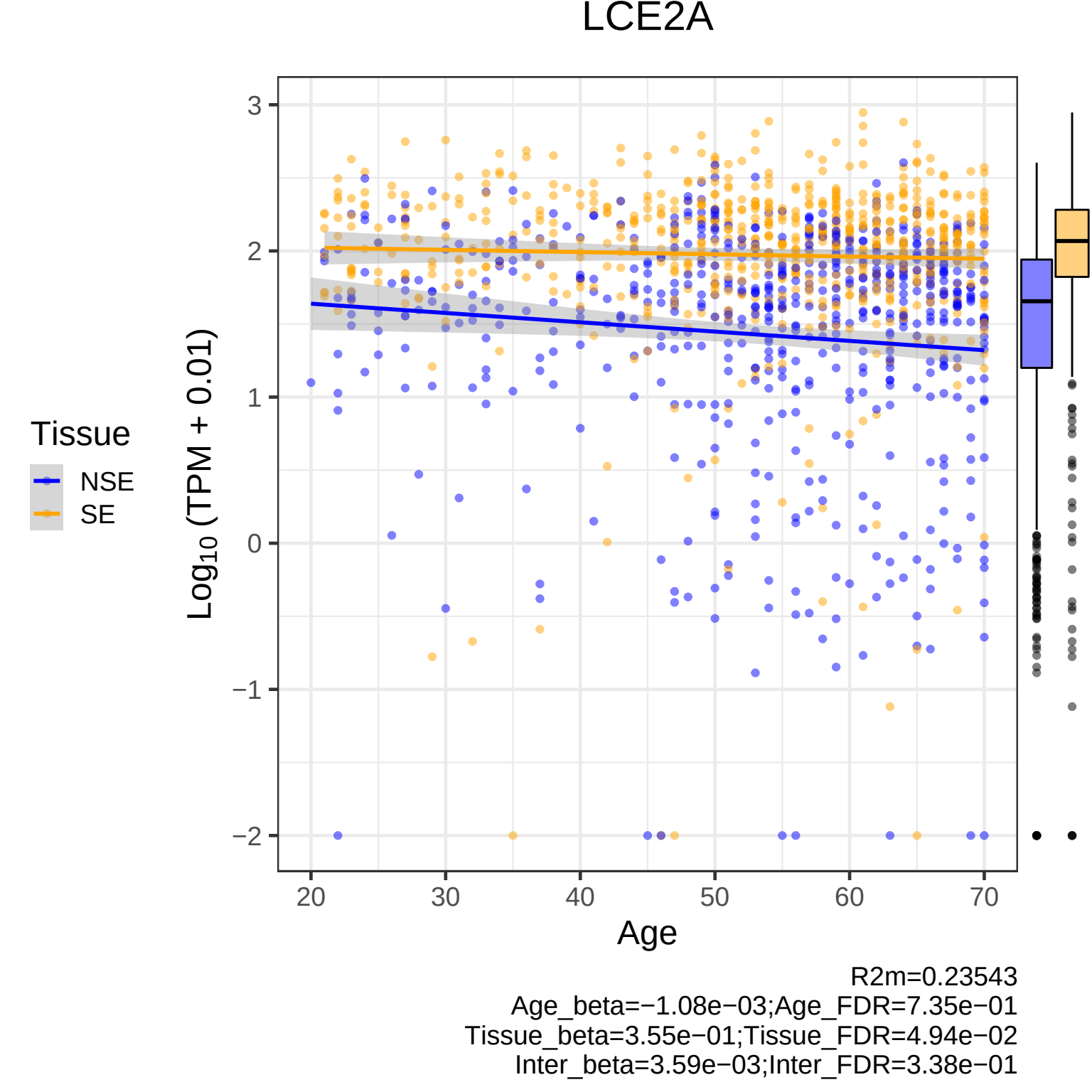

PPP4R4
Tissue
NSE
SE
Log10 (TPM + 0.01)
1
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.23755
Age_beta=2.70e−03;Age_FDR=1.99e−02
Tissue_beta=−3.14e−01;Tissue_FDR=9.32e−06
Inter_beta=4.62e−05;Inter_FDR=9.83e−01

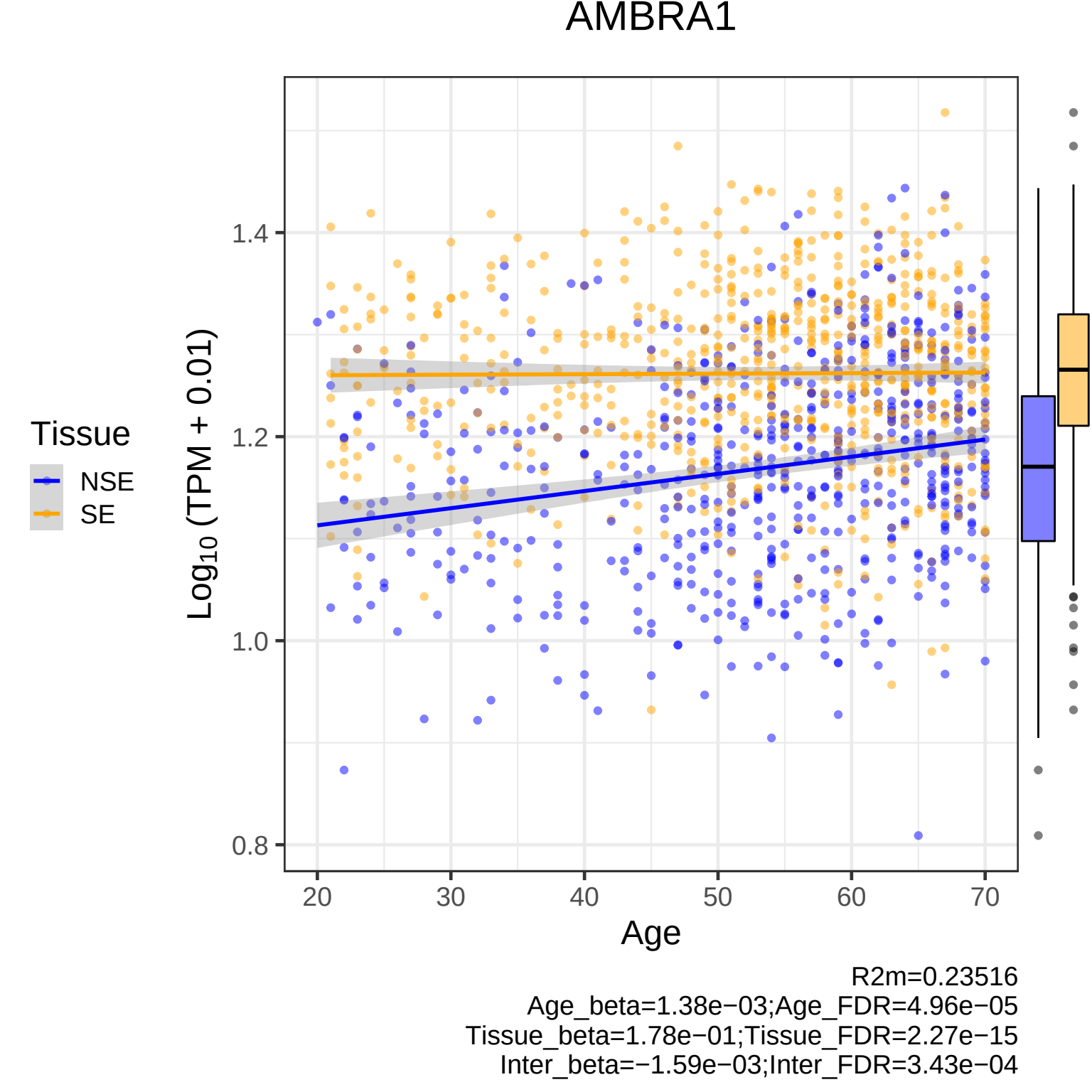

VAT1
Tissue
NSE
SE
2.8
2.4
2.0
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.23746
Age_beta=−6.18e−05;Age_FDR=9.14e−01
Tissue_beta=1.14e−01;Tissue_FDR=1.48e−06
Inter_beta=1.15e−04;Inter_FDR=8.58e−01

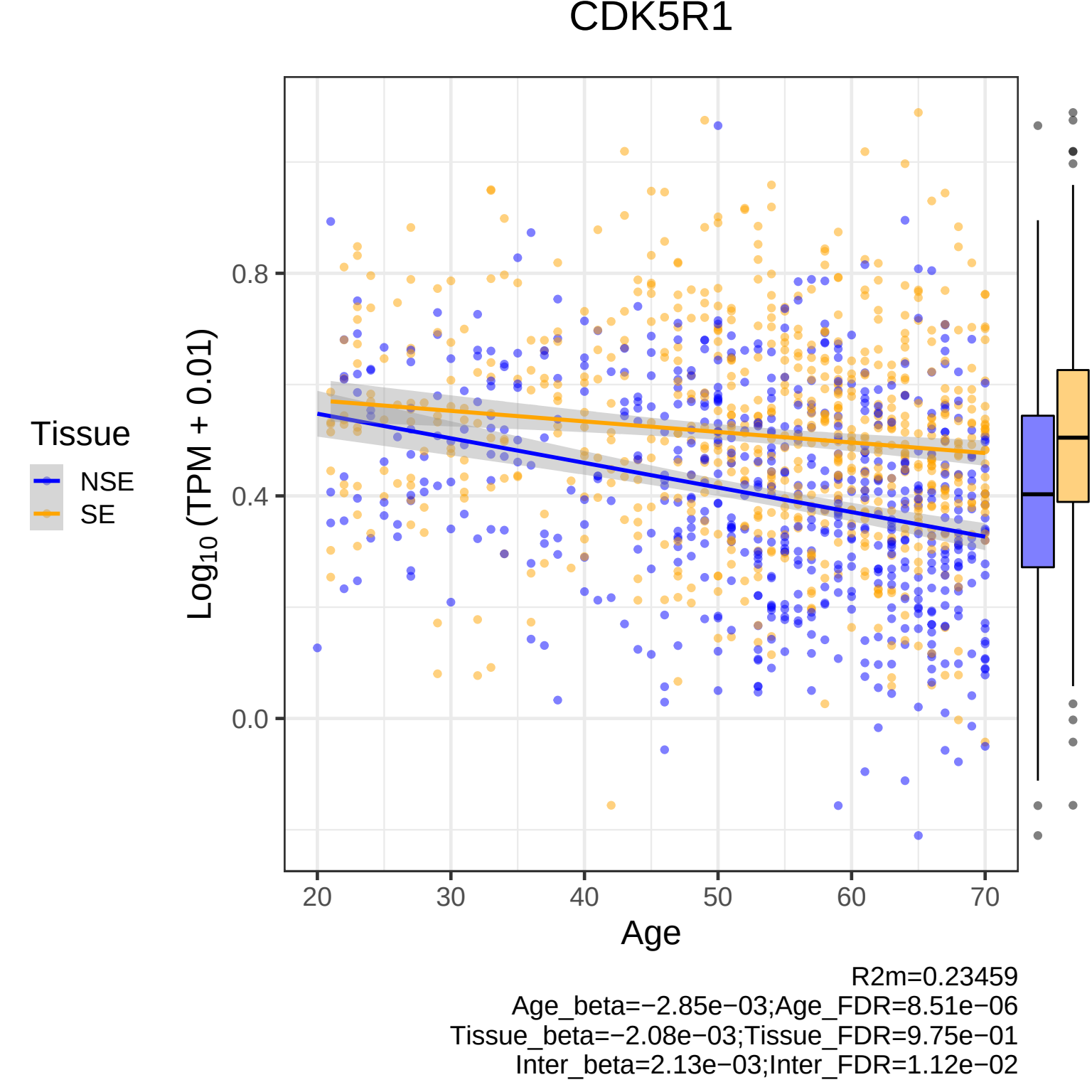

KCTD2
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.8
1.6
1.4
1.2
20
30
40
50
60
70
Age
R2m=0.23721
Age_beta=−7.89e−04;Age_FDR=1.79e−02
Tissue_beta=7.47e−02;Tissue_FDR=3.97e−04
Inter_beta=3.30e−04;Inter_FDR=5.04e−01

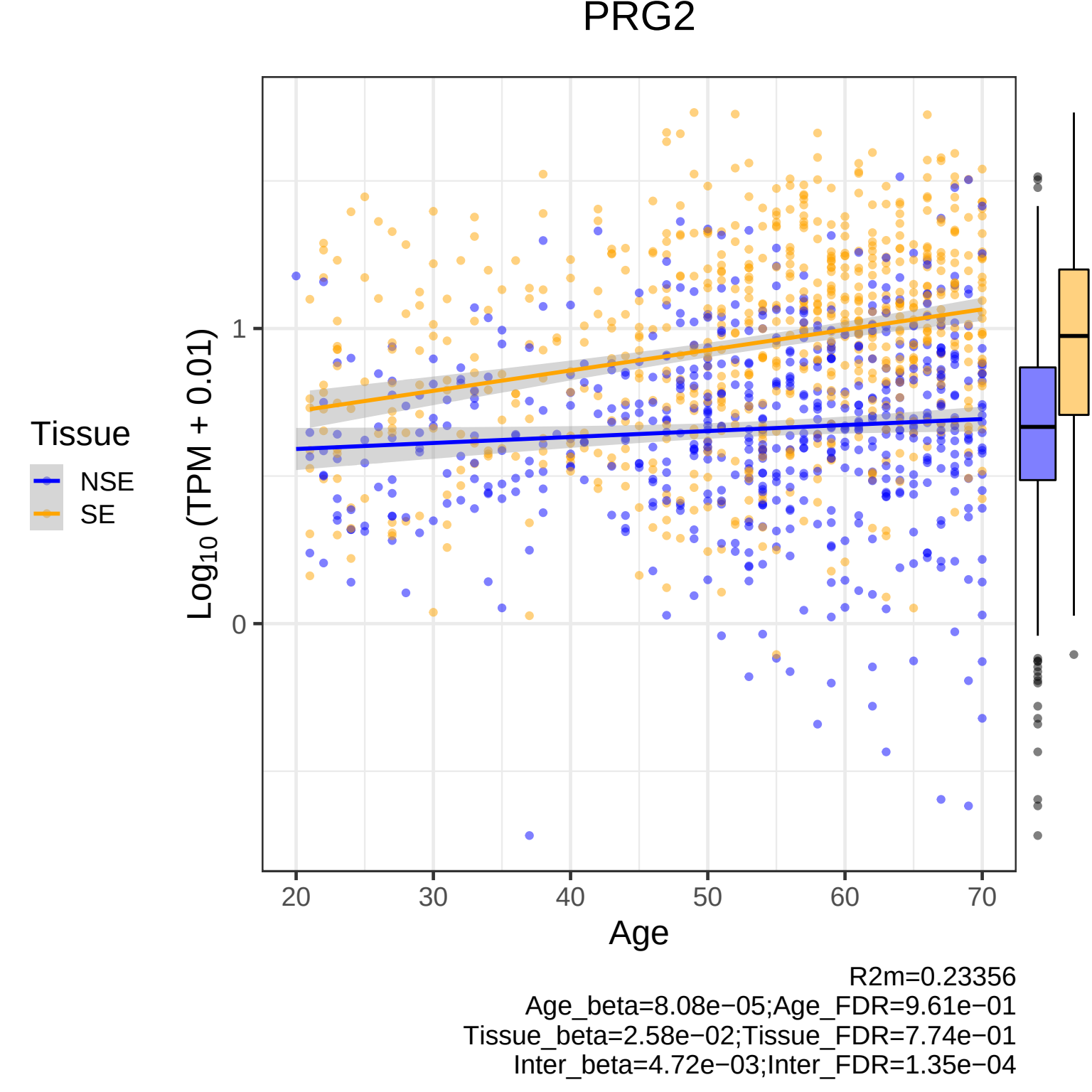

DAB2IP
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.75
1.50
1.25
1.00
20
30
40
50
60
70
Age
R2m=0.23653
Age_beta=−8.27e−04;Age_FDR=1.00e−01
Tissue_beta=3.06e−02;Tissue_FDR=4.08e−01
Inter_beta=1.68e−03;Inter_FDR=4.56e−03

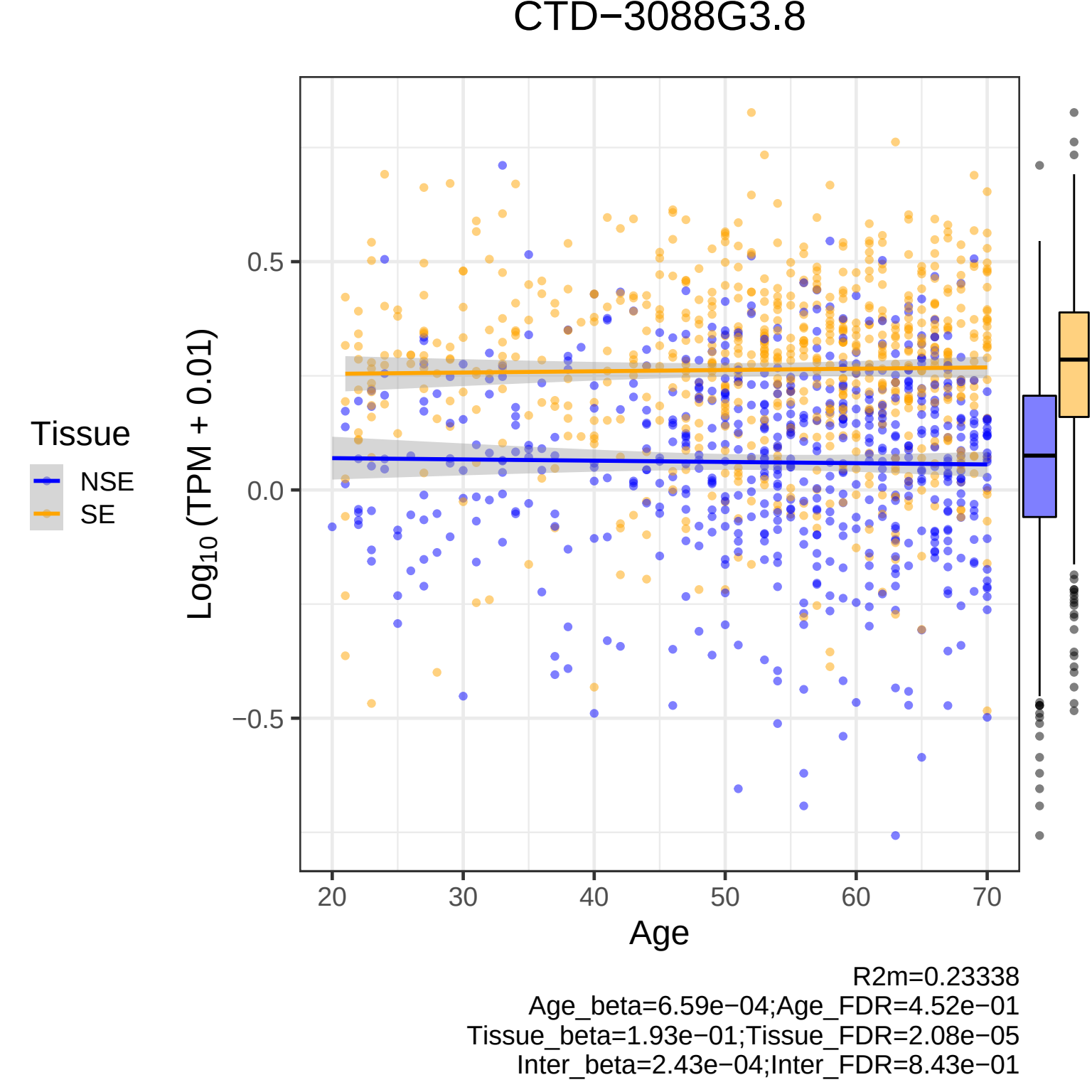

AGTR1
Tissue
NSE
SE
Log10 (TPM + 0.01)
2
1
0
20
30
40
50
60
70
Age
R2m=0.23607
Age_beta=−1.57e−03;Age_FDR=3.07e−01
Tissue_beta=9.61e−02;Tissue_FDR=3.50e−01
Inter_beta=3.82e−03;Inter_FDR=2.60e−02

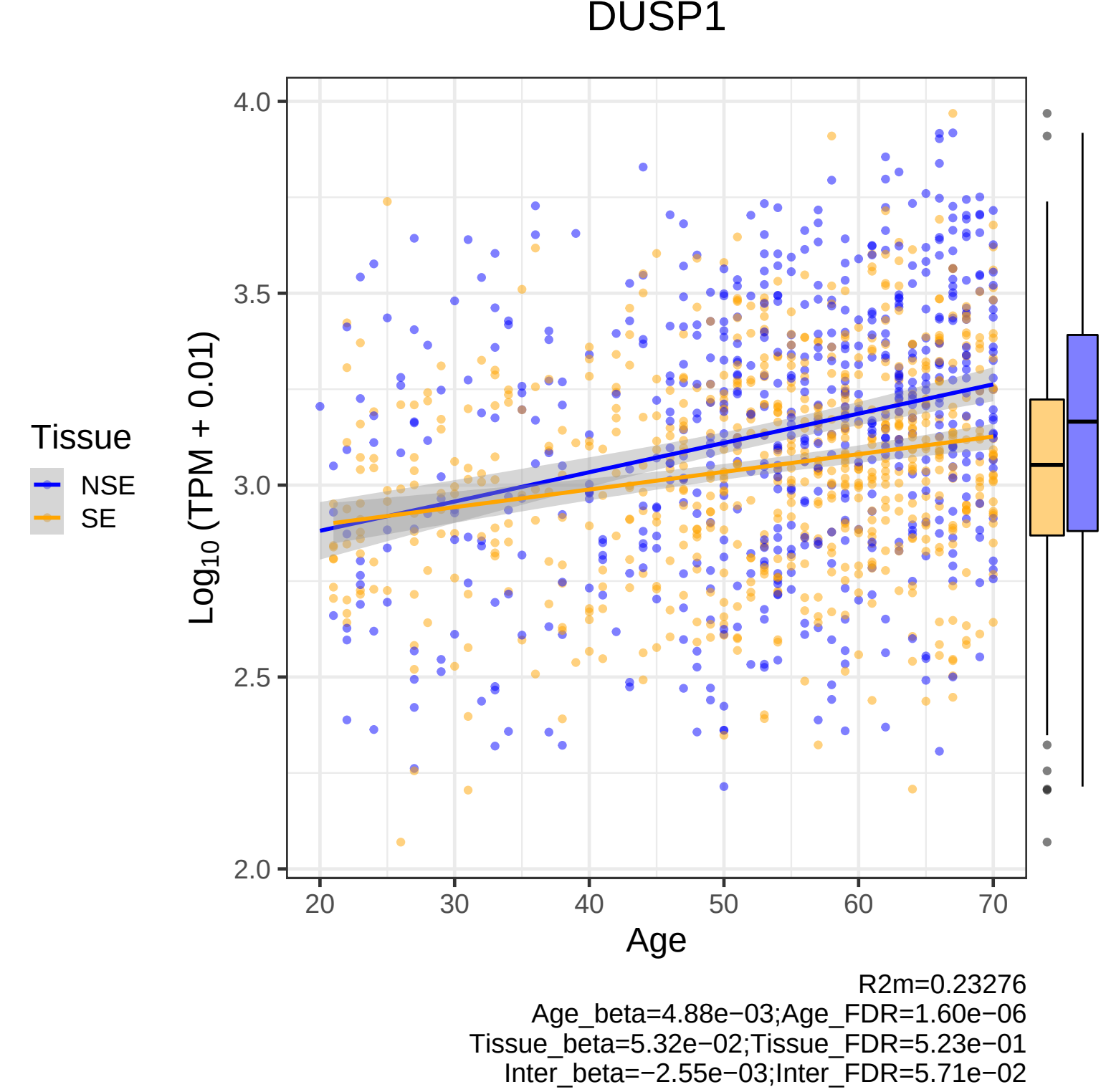

LCE2A
Tissue
NSE
SE
Log10 (TPM + 0.01)
3
2
1
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.23543
Age_beta=−1.08e−03;Age_FDR=7.35e−01
Tissue_beta=3.55e−01;Tissue_FDR=4.94e−02
Inter_beta=3.59e−03;Inter_FDR=3.38e−01

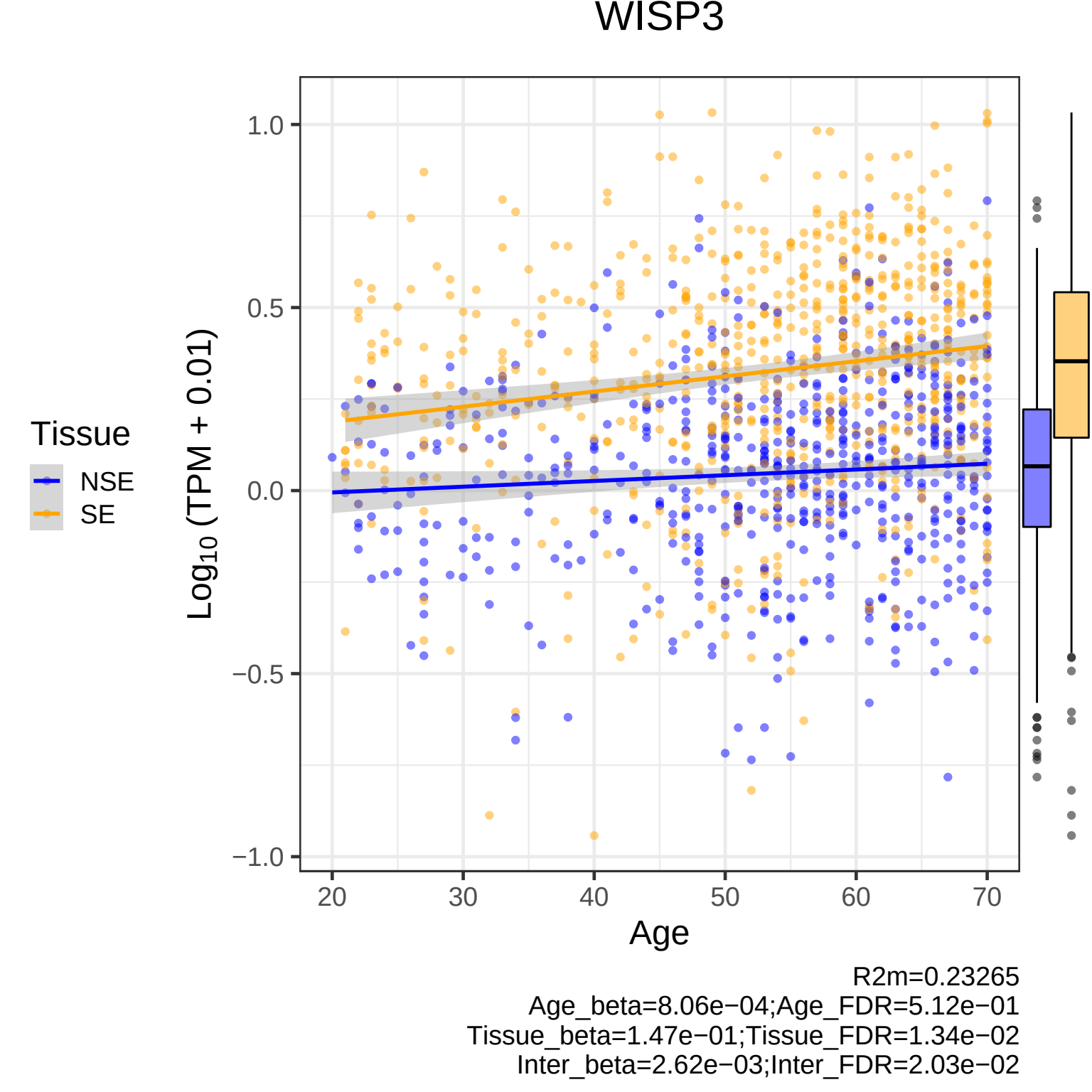

AMBRA1
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.4
1.2
1.0
0.8
20
30
40
50
60
70
Age
R2m=0.23516
Age_beta=1.38e−03;Age_FDR=4.96e−05
Tissue_beta=1.78e−01;Tissue_FDR=2.27e−15
Inter_beta=−1.59e−03;Inter_FDR=3.43e−04

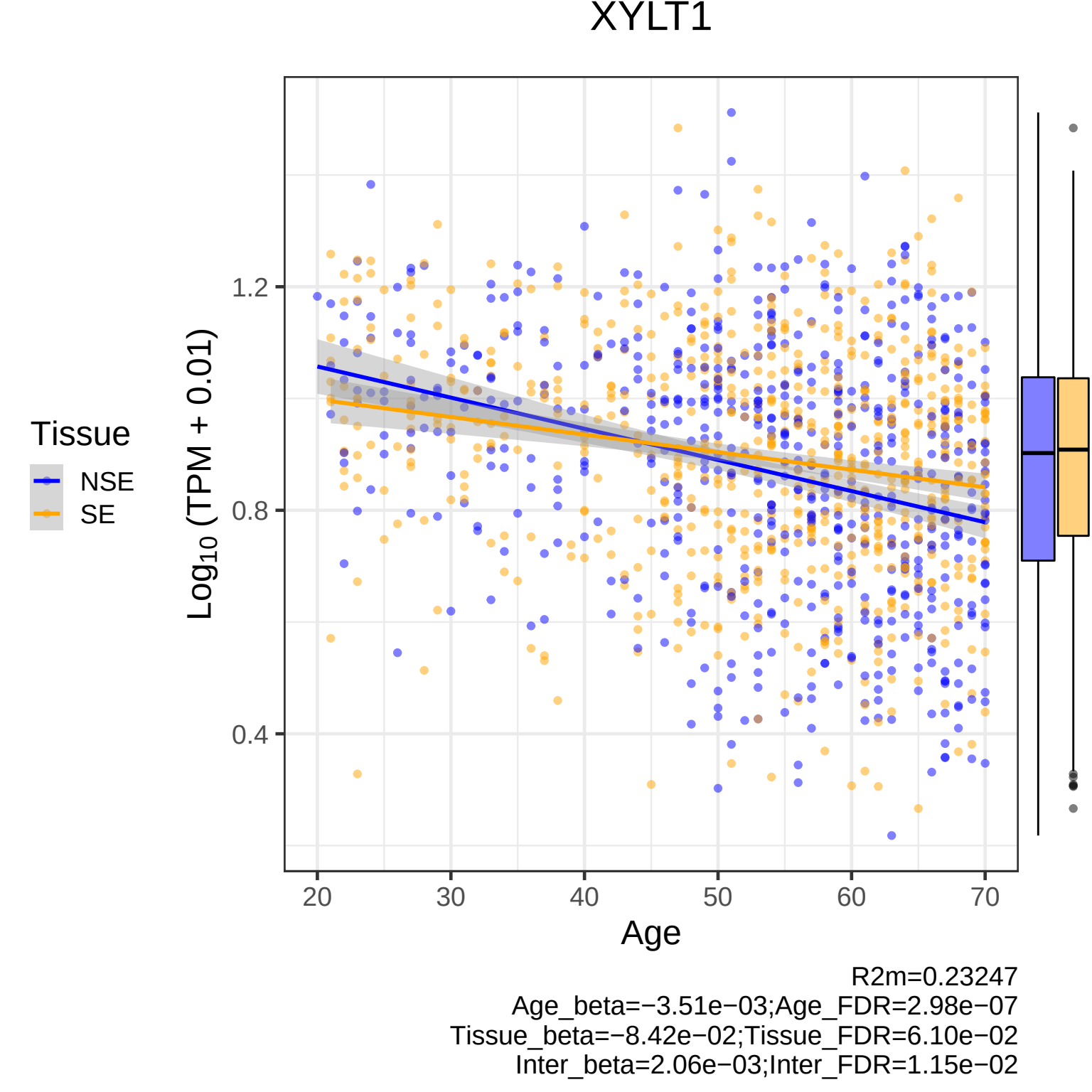

CDK5R1
Tissue
NSE
SE
Log10 (TPM + 0.01)
0.8
0.4
0.0
20
30
40
50
60
70
Age
R2m=0.23459
Age_beta=−2.85e−03;Age_FDR=8.51e−06
Tissue_beta=−2.08e−03;Tissue_FDR=9.75e−01
Inter_beta=2.13e−03;Inter_FDR=1.12e−02

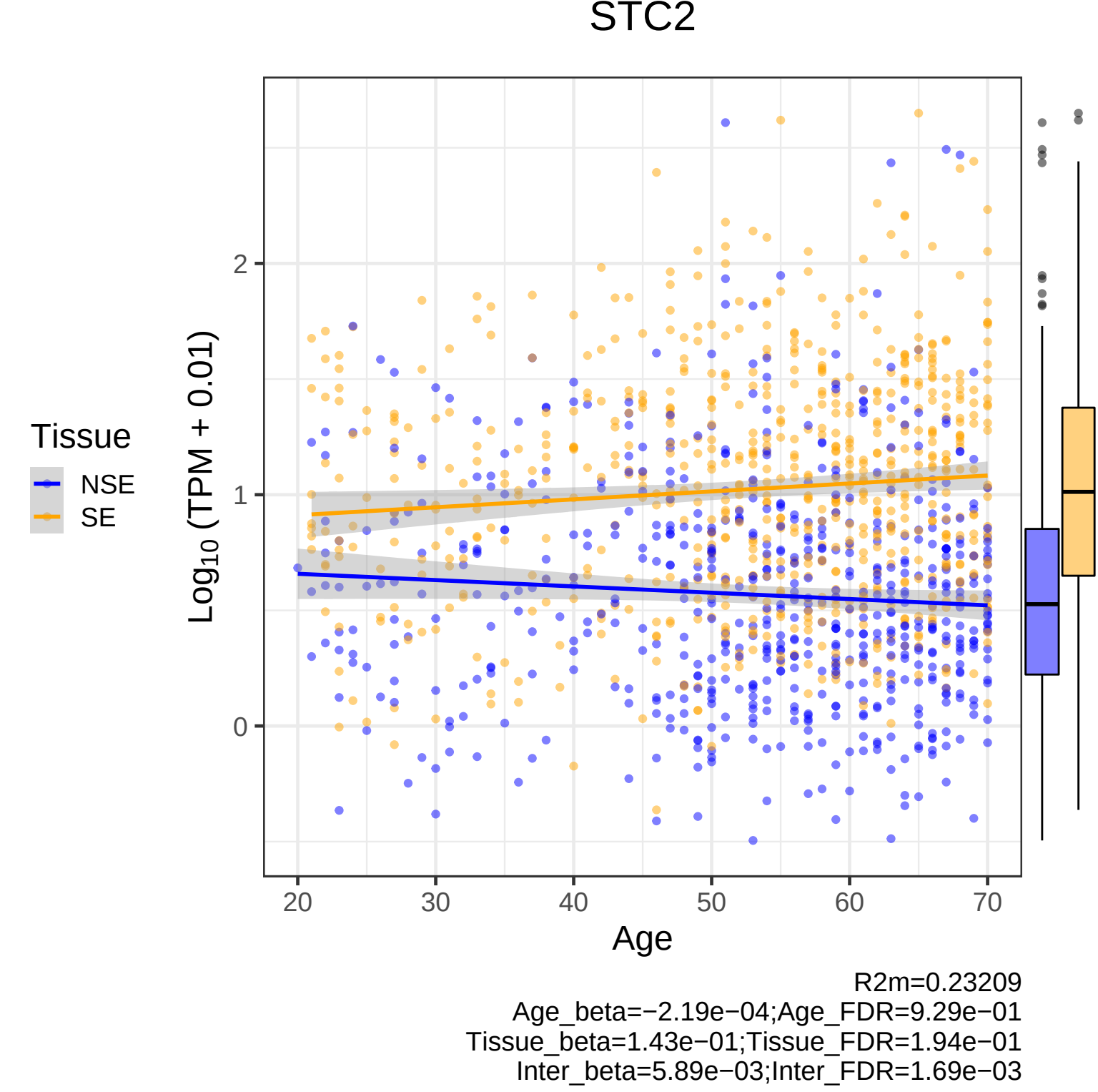

PRG2
Tissue
NSE
SE
Log10 (TPM + 0.01)
1
0
20
30
40
50
60
70
Age
R2m=0.23356
Age_beta=8.08e−05;Age_FDR=9.61e−01
Tissue_beta=2.58e−02;Tissue_FDR=7.74e−01
Inter_beta=4.72e−03;Inter_FDR=1.35e−04

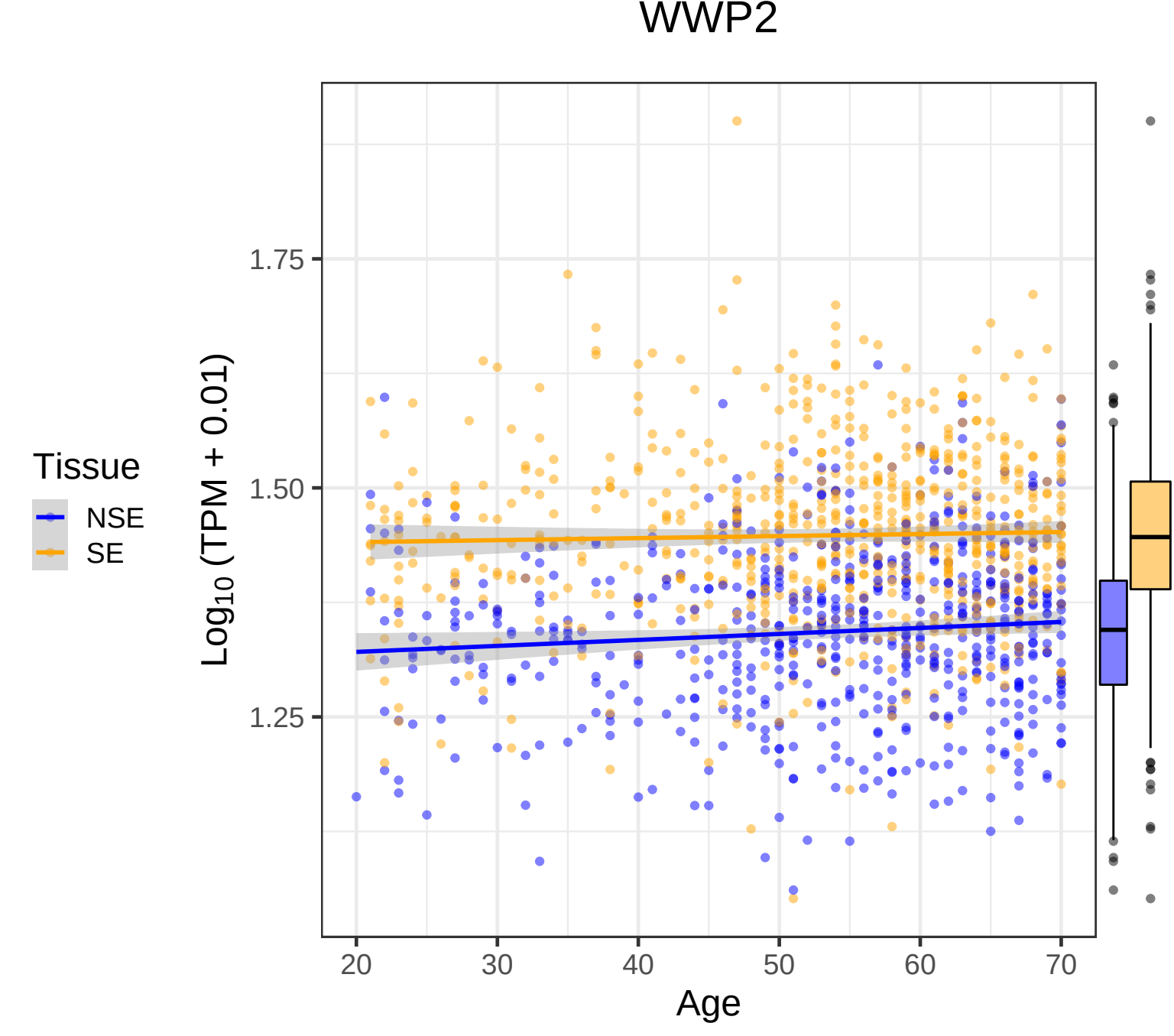

CTD−3088G3.8
Tissue
NSE
SE
Log10 (TPM + 0.01)
0.5
0.0
−0.5
20
30
40
50
60
70
Age
R2m=0.23338
Age_beta=6.59e−04;Age_FDR=4.52e−01
Tissue_beta=1.93e−01;Tissue_FDR=2.08e−05
Inter_beta=2.43e−04;Inter_FDR=8.43e−01

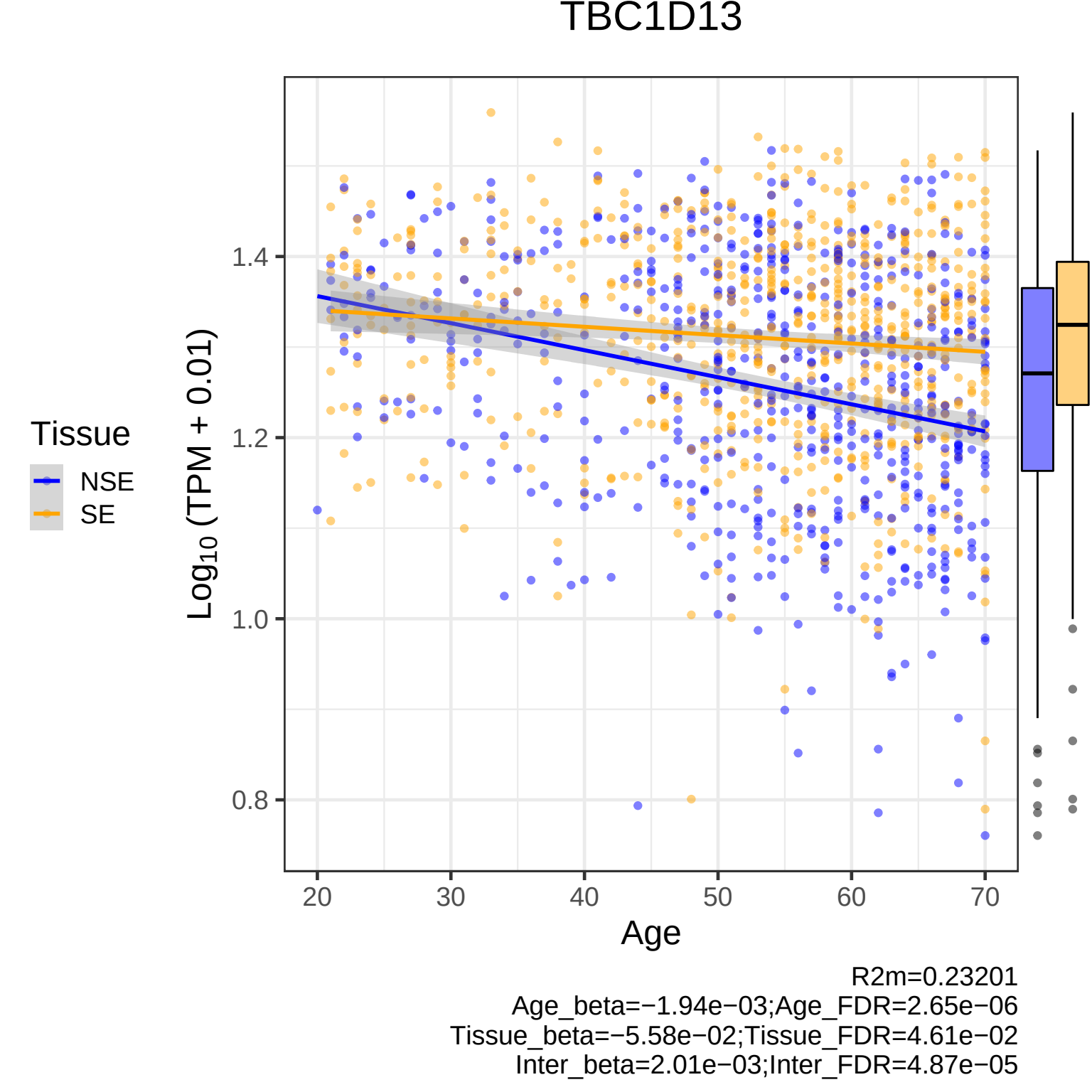

DUSP1
Tissue
NSE
SE
Log10 (TPM + 0.01)
4.0
3.5
3.0
2.5
2.0
20
30
40
50
60
70
Age
R2m=0.23276
Age_beta=4.88e−03;Age_FDR=1.60e−06
Tissue_beta=5.32e−02;Tissue_FDR=5.23e−01
Inter_beta=−2.55e−03;Inter_FDR=5.71e−02

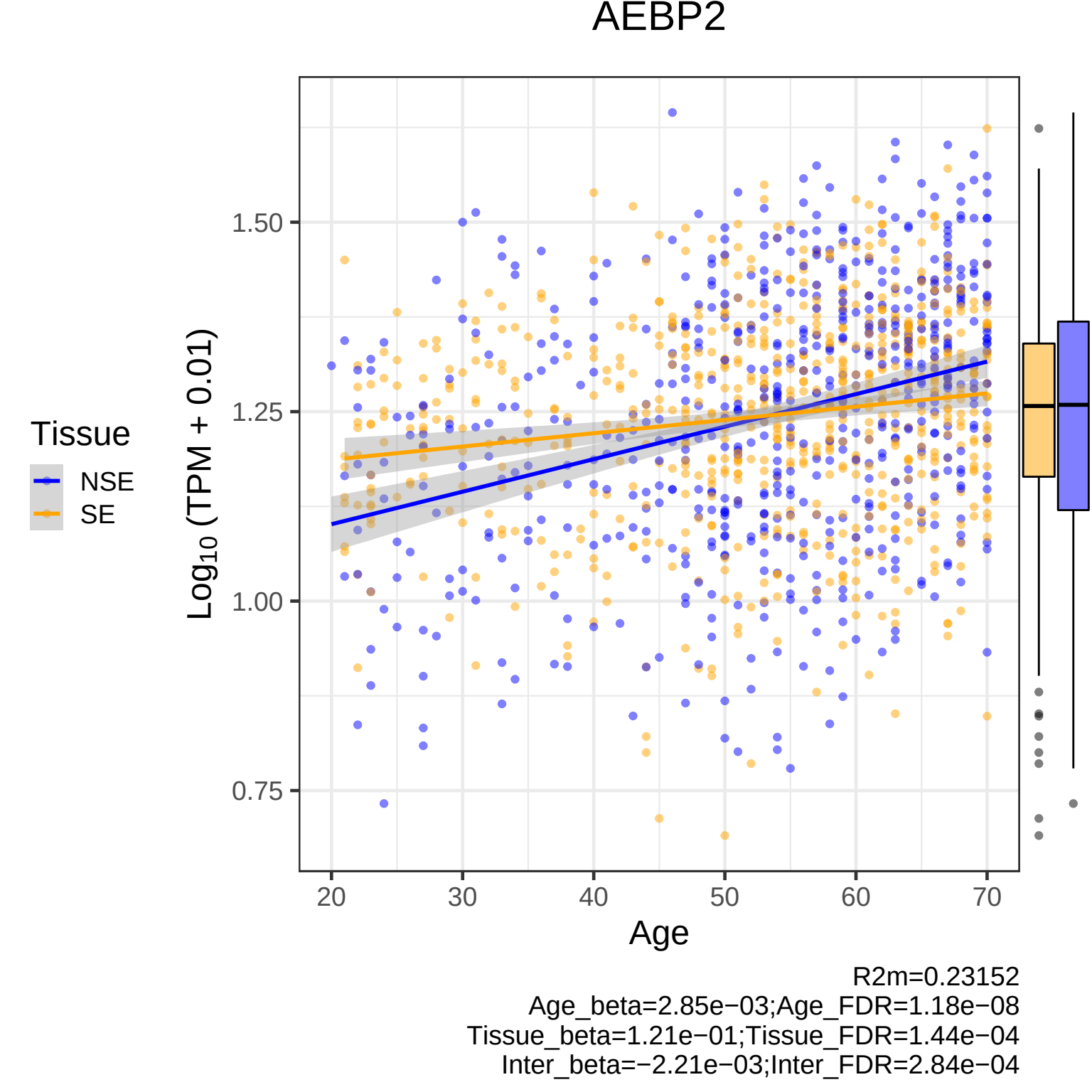

WISP3
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.0
0.5
0.0
−0.5
−1.0
20
30
40
50
60
70
Age
R2m=0.23265
Age_beta=8.06e−04;Age_FDR=5.12e−01
Tissue_beta=1.47e−01;Tissue_FDR=1.34e−02
Inter_beta=2.62e−03;Inter_FDR=2.03e−02

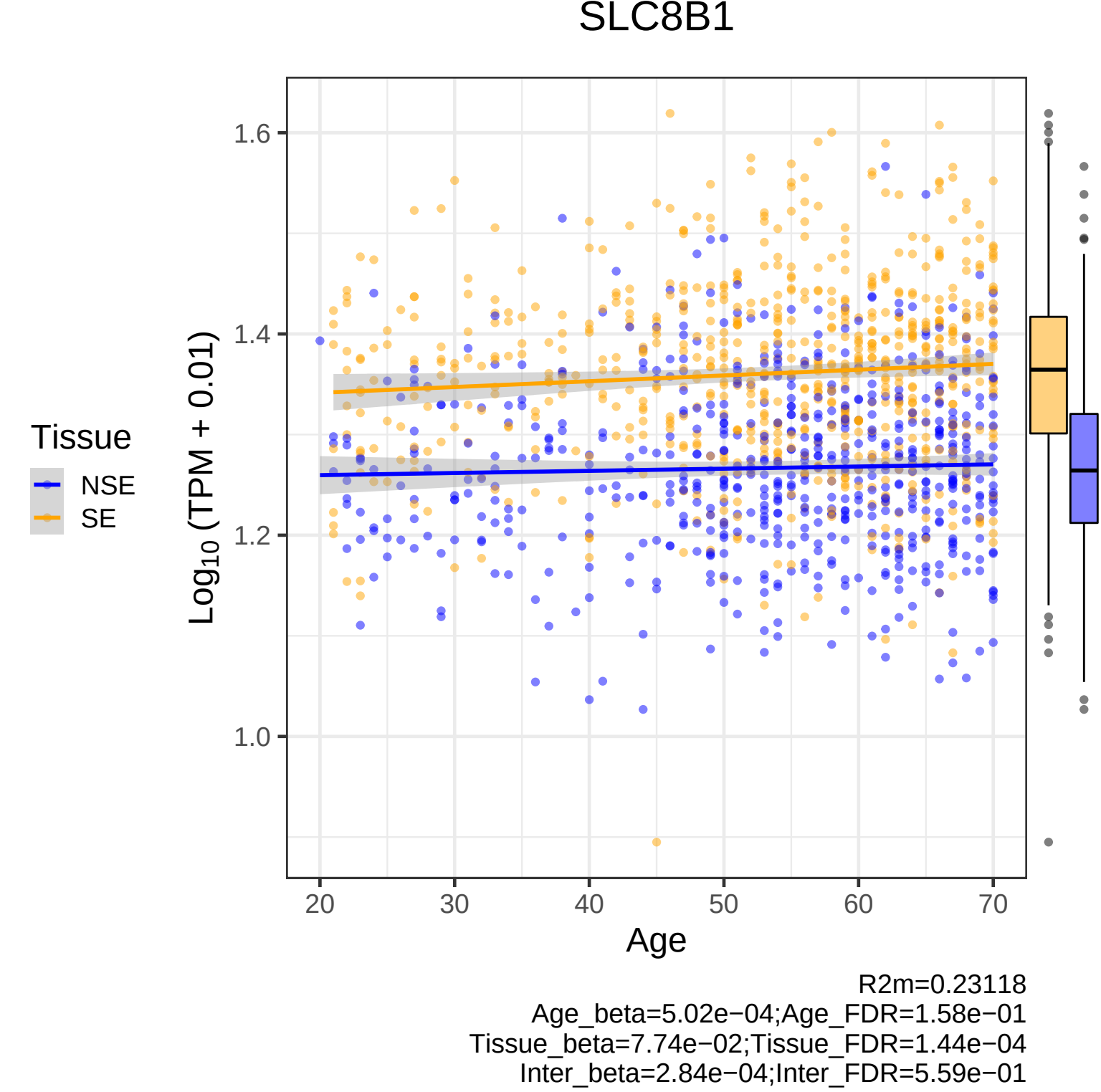

XYLT1
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.2
0.8
0.4
20
30
40
50
60
70
Age
R2m=0.23247
Age_beta=−3.51e−03;Age_FDR=2.98e−07
Tissue_beta=−8.42e−02;Tissue_FDR=6.10e−02
Inter_beta=2.06e−03;Inter_FDR=1.15e−02

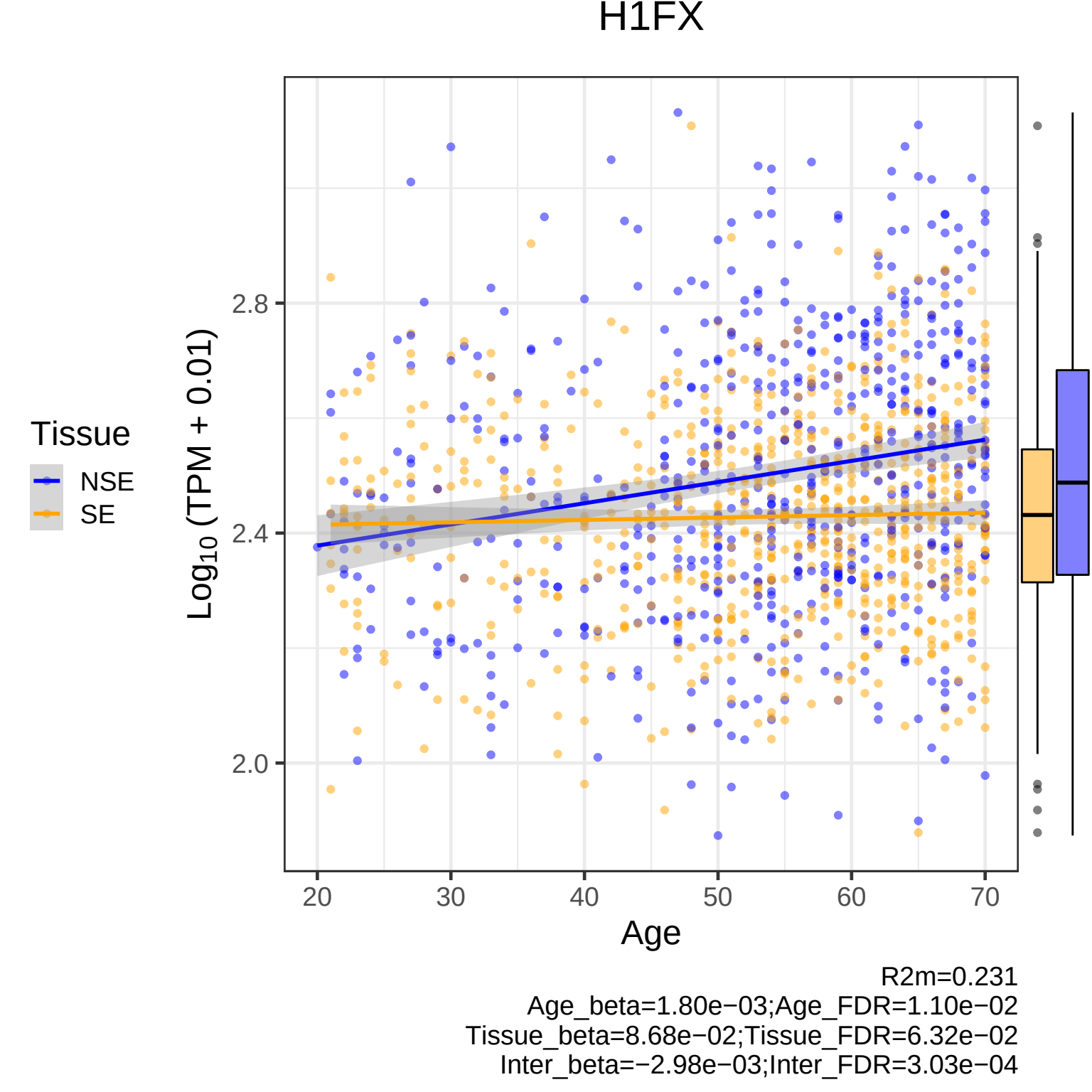

STC2
Tissue
NSE
SE
Log10 (TPM + 0.01)
0
1
2
20
30
40
50
60
70
Age
R2m=0.23209
Age_beta=−2.19e−04;Age_FDR=9.29e−01
Tissue_beta=1.43e−01;Tissue_FDR=1.94e−01
Inter_beta=5.89e−03;Inter_FDR=1.69e−03

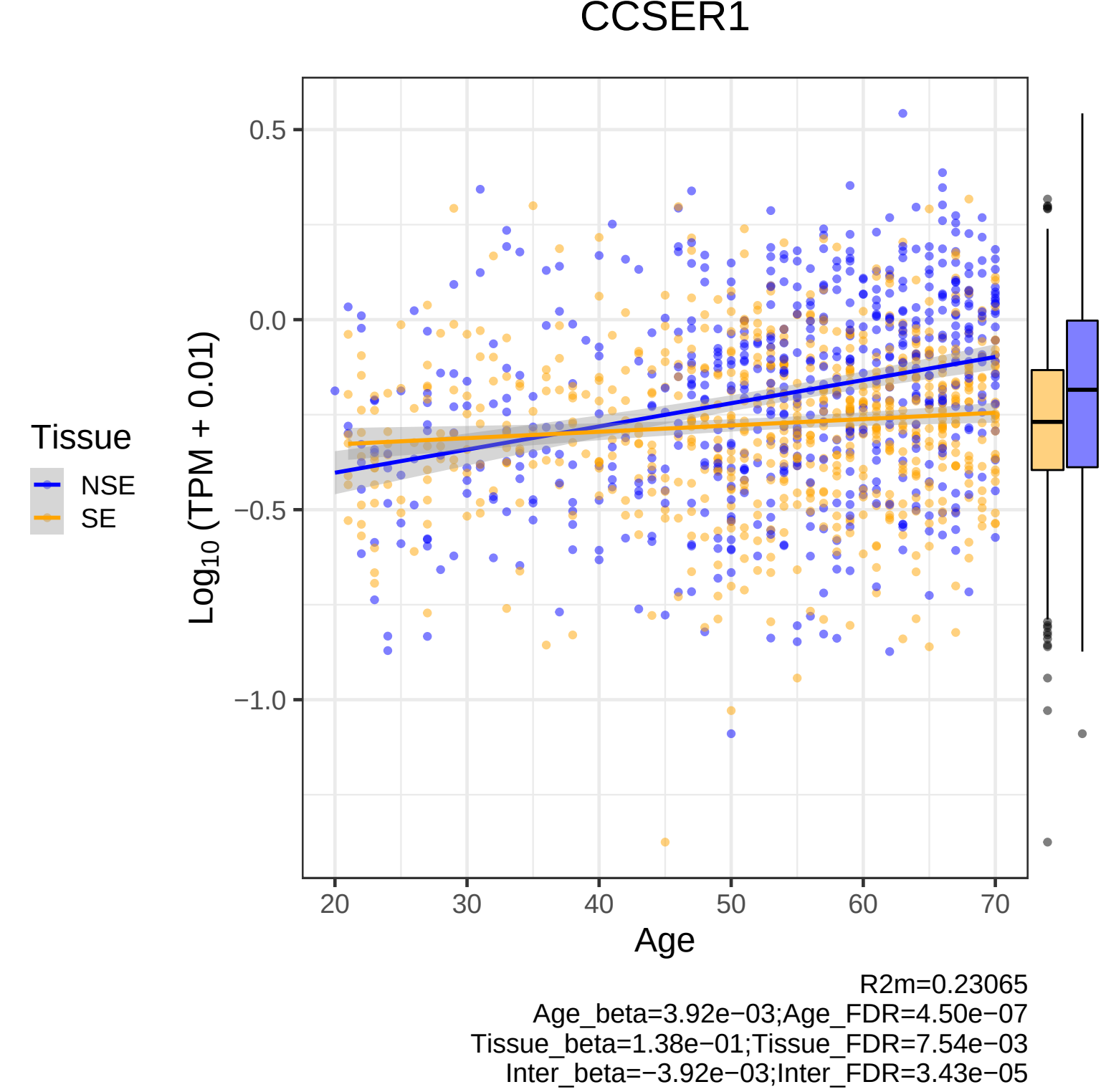

WWP2
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.75
1.50
1.25
20
30
40
50
60
70
Age
R2m=0.23208
Age_beta=7.00e−04;Age_FDR=6.33e−02
Tissue_beta=1.27e−01;Tissue_FDR=7.93e−08
Inter_beta=−4.35e−04;Inter_FDR=4.34e−01

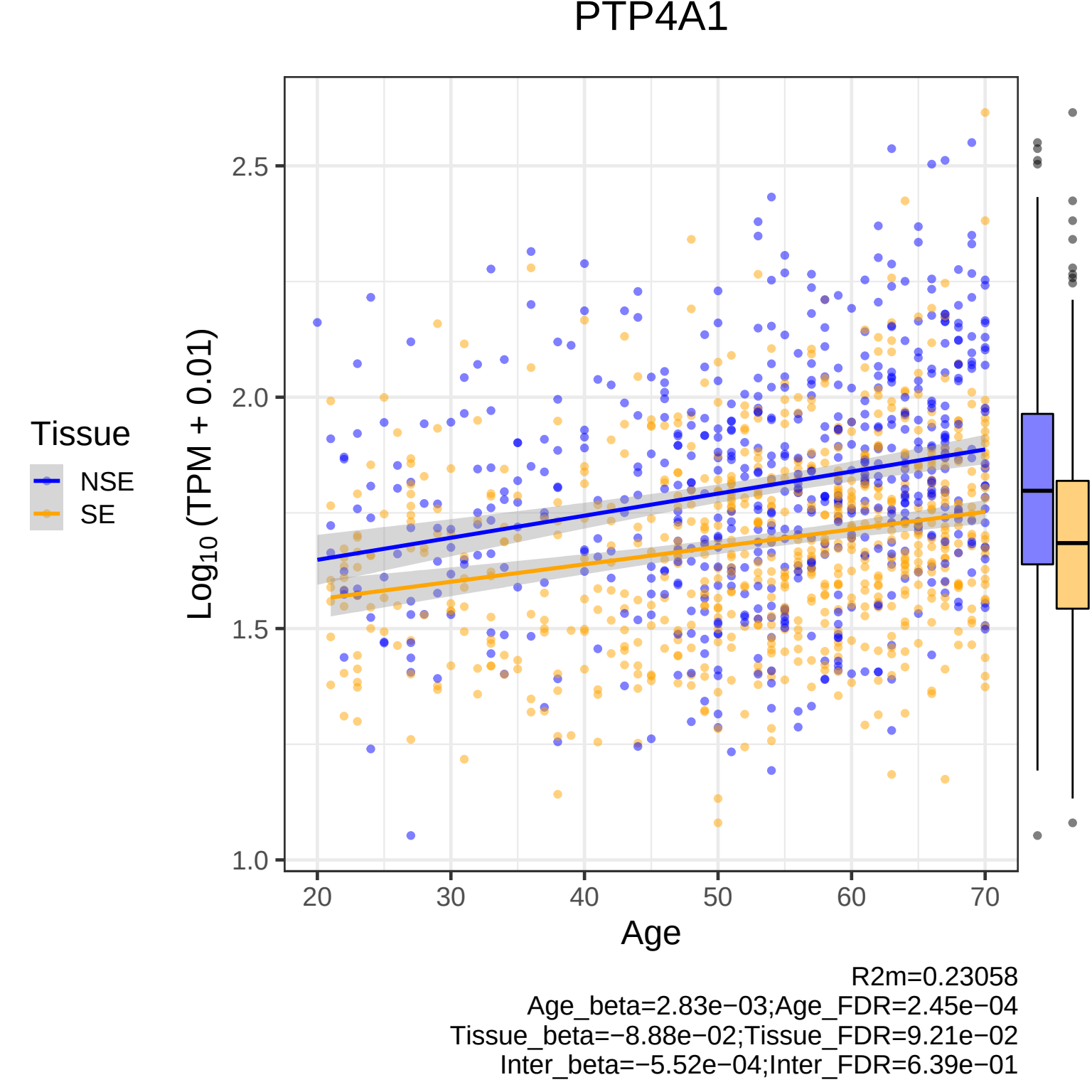

TBC1D13
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.4
1.2
1.0
0.8
20
30
40
50
60
70
Age
R2m=0.23201
Age_beta=−1.94e−03;Age_FDR=2.65e−06
Tissue_beta=−5.58e−02;Tissue_FDR=4.61e−02
Inter_beta=2.01e−03;Inter_FDR=4.87e−05

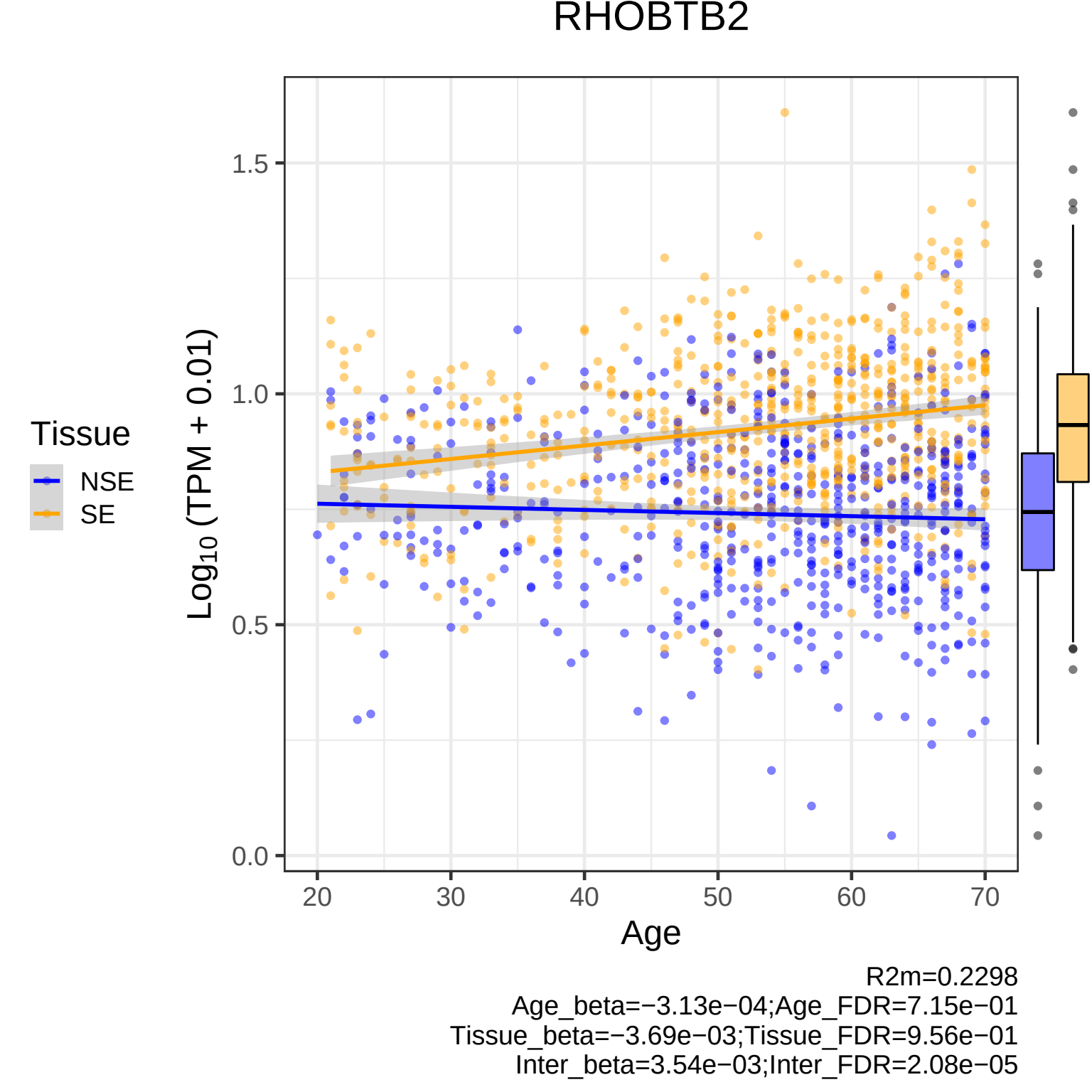

AEBP2
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.50
1.25
1.00
0.75
20
30
40
50
60
70
Age
R2m=0.23152
Age_beta=2.85e−03;Age_FDR=1.18e−08
Tissue_beta=1.21e−01;Tissue_FDR=1.44e−04
Inter_beta=−2.21e−03;Inter_FDR=2.84e−04

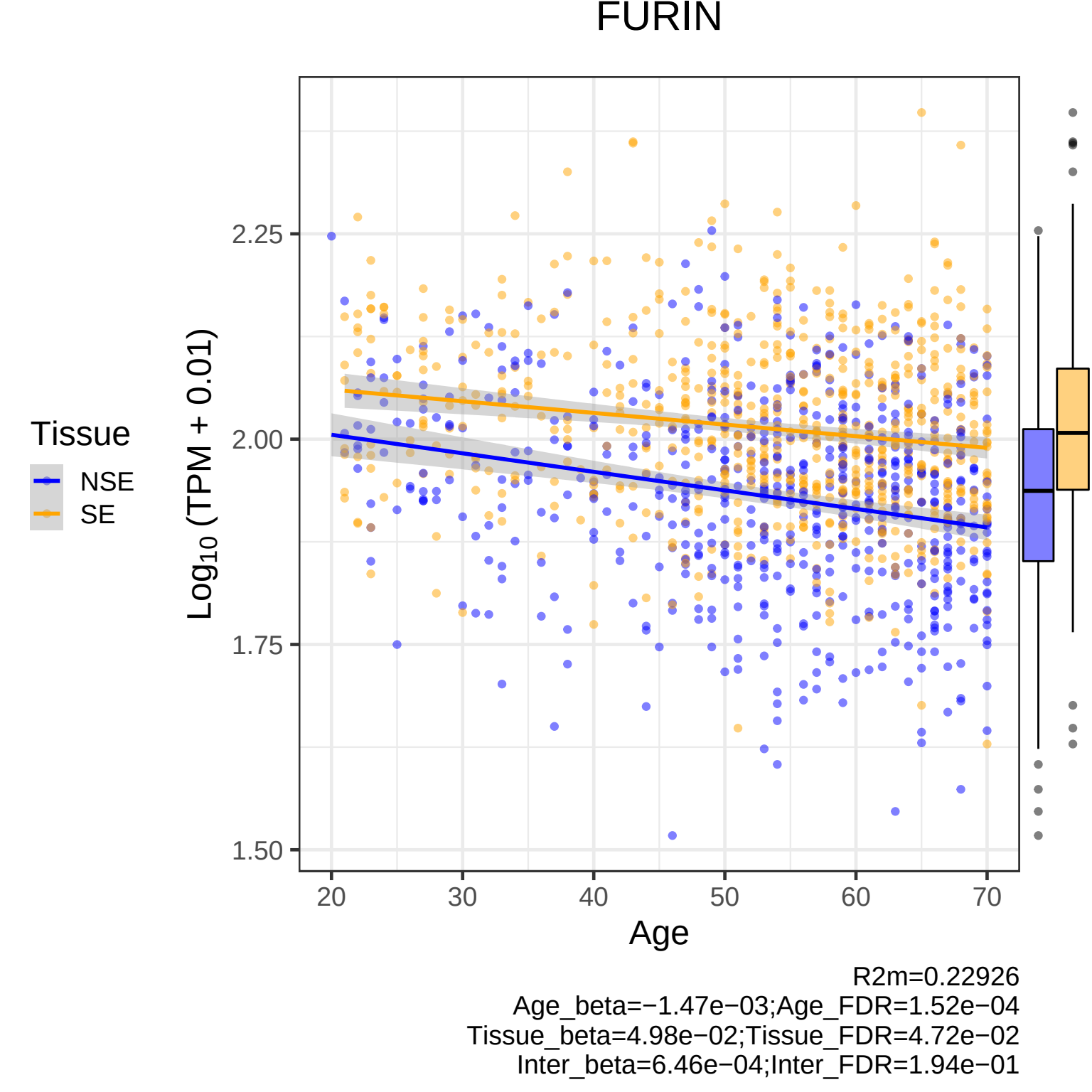

SLC8B1
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.6
1.4
1.2
1.0
20
30
40
50
60
70
Age
R2m=0.23118
Age_beta=5.02e−04;Age_FDR=1.58e−01
Tissue_beta=7.74e−02;Tissue_FDR=1.44e−04
Inter_beta=2.84e−04;Inter_FDR=5.59e−01

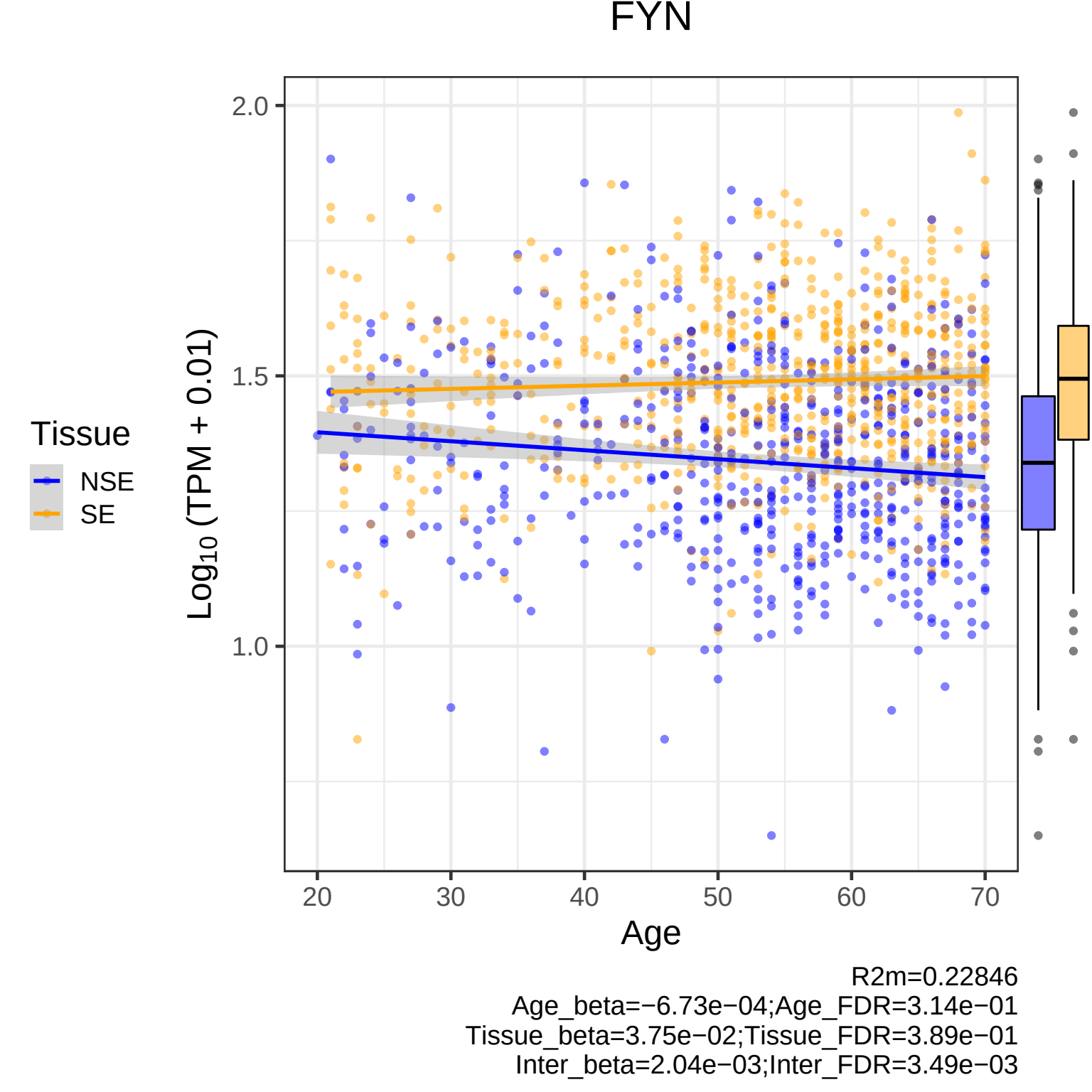

H1FX
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.8
2.4
2.0
20
30
40
50
60
70
Age
R2m=0.231
Age_beta=1.80e−03;Age_FDR=1.10e−02
Tissue_beta=8.68e−02;Tissue_FDR=6.32e−02
Inter_beta=−2.98e−03;Inter_FDR=3.03e−04

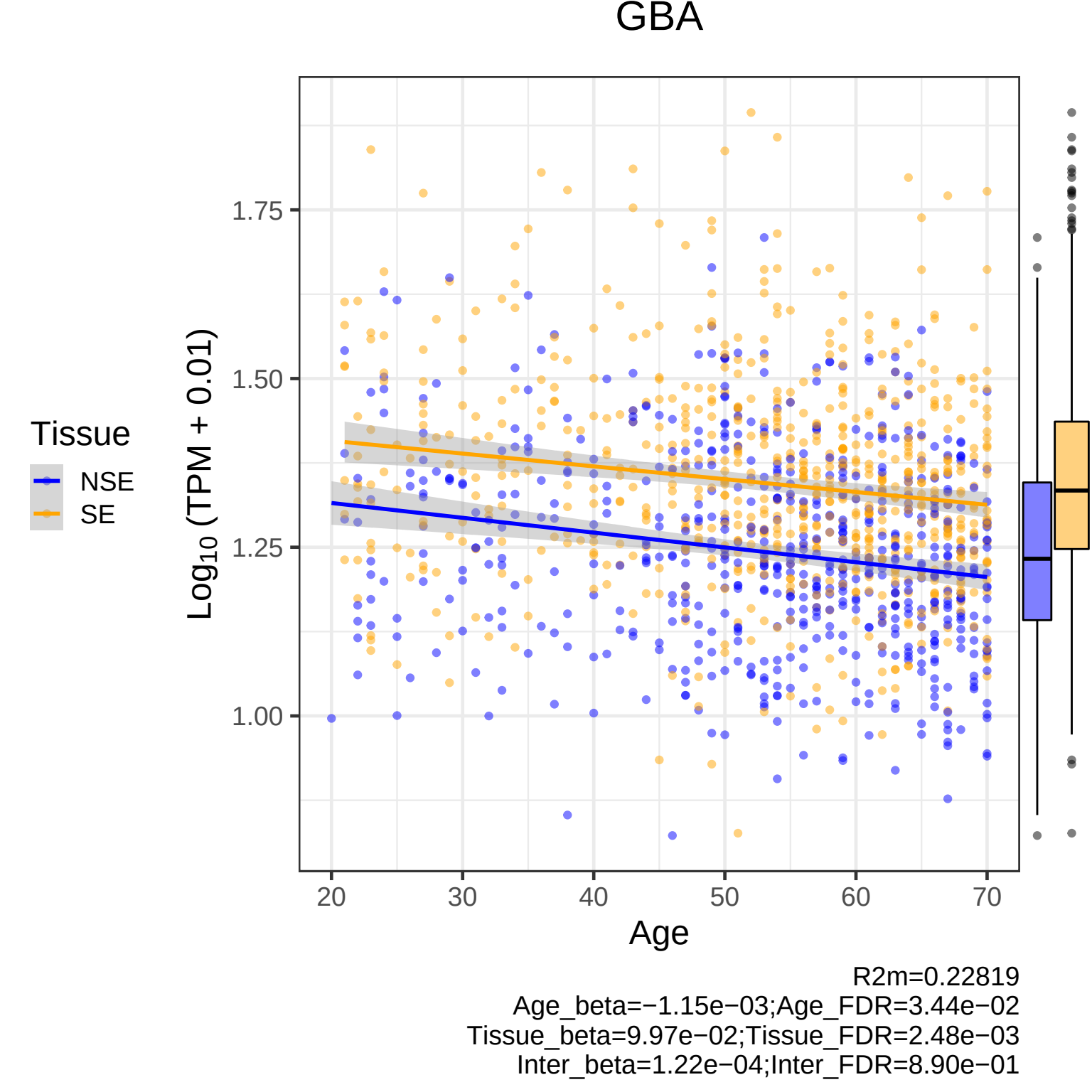

CCSER1
Tissue
NSE
SE
0.5
0.0
−0.5
−1.0
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.23065
Age_beta=3.92e−03;Age_FDR=4.50e−07
Tissue_beta=1.38e−01;Tissue_FDR=7.54e−03
Inter_beta=−3.92e−03;Inter_FDR=3.43e−05

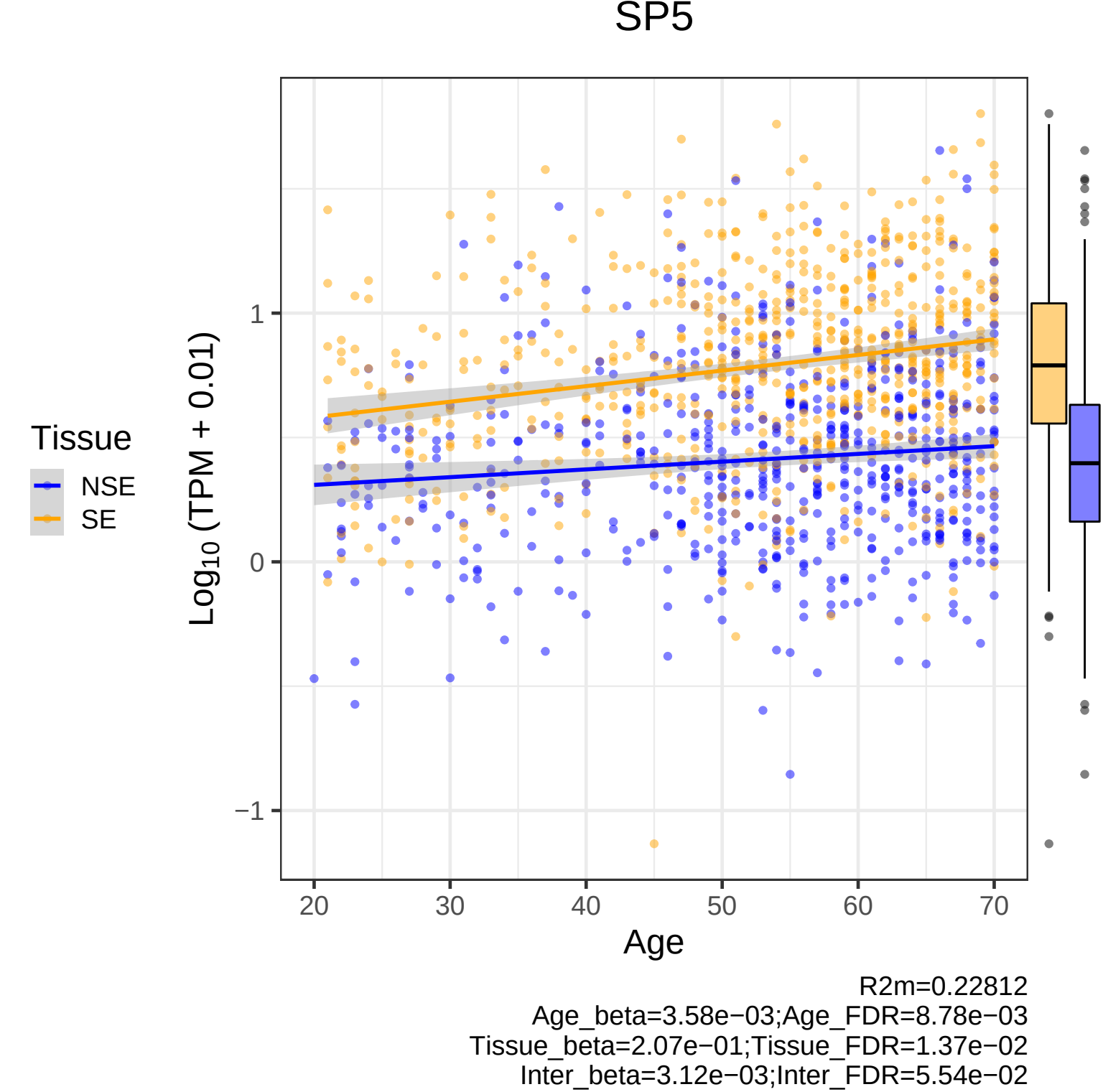

PTP4A1
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.5
2.0
1.5
1.0
20
30
40
50
60
70
Age
R2m=0.23058
Age_beta=2.83e−03;Age_FDR=2.45e−04
Tissue_beta=−8.88e−02;Tissue_FDR=9.21e−02
Inter_beta=−5.52e−04;Inter_FDR=6.39e−01

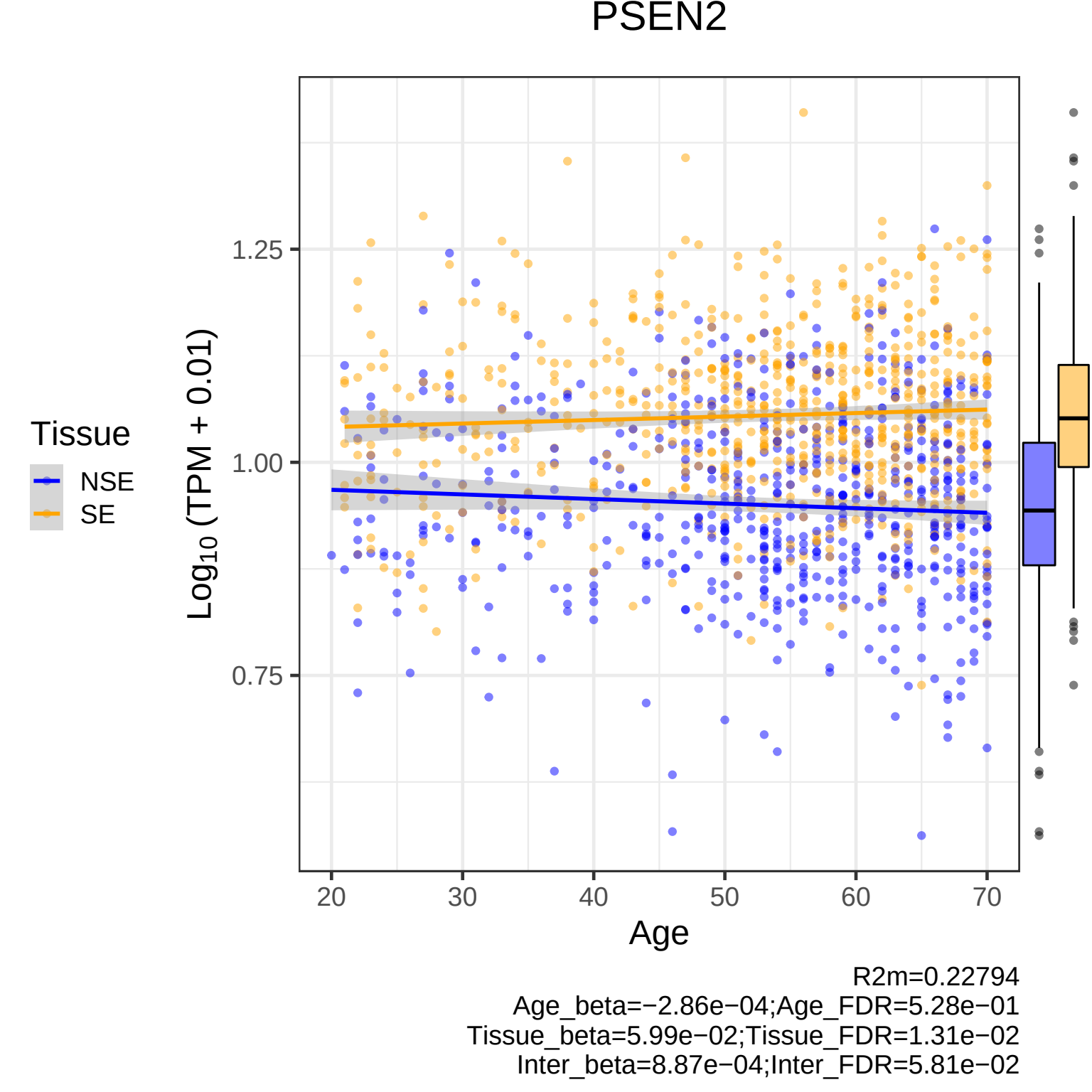

RHOBTB2
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.5
1.0
0.5
0.0
20
30
40
50
60
70
Age
R2m=0.2298
Age_beta=−3.13e−04;Age_FDR=7.15e−01
Tissue_beta=−3.69e−03;Tissue_FDR=9.56e−01
Inter_beta=3.54e−03;Inter_FDR=2.08e−05

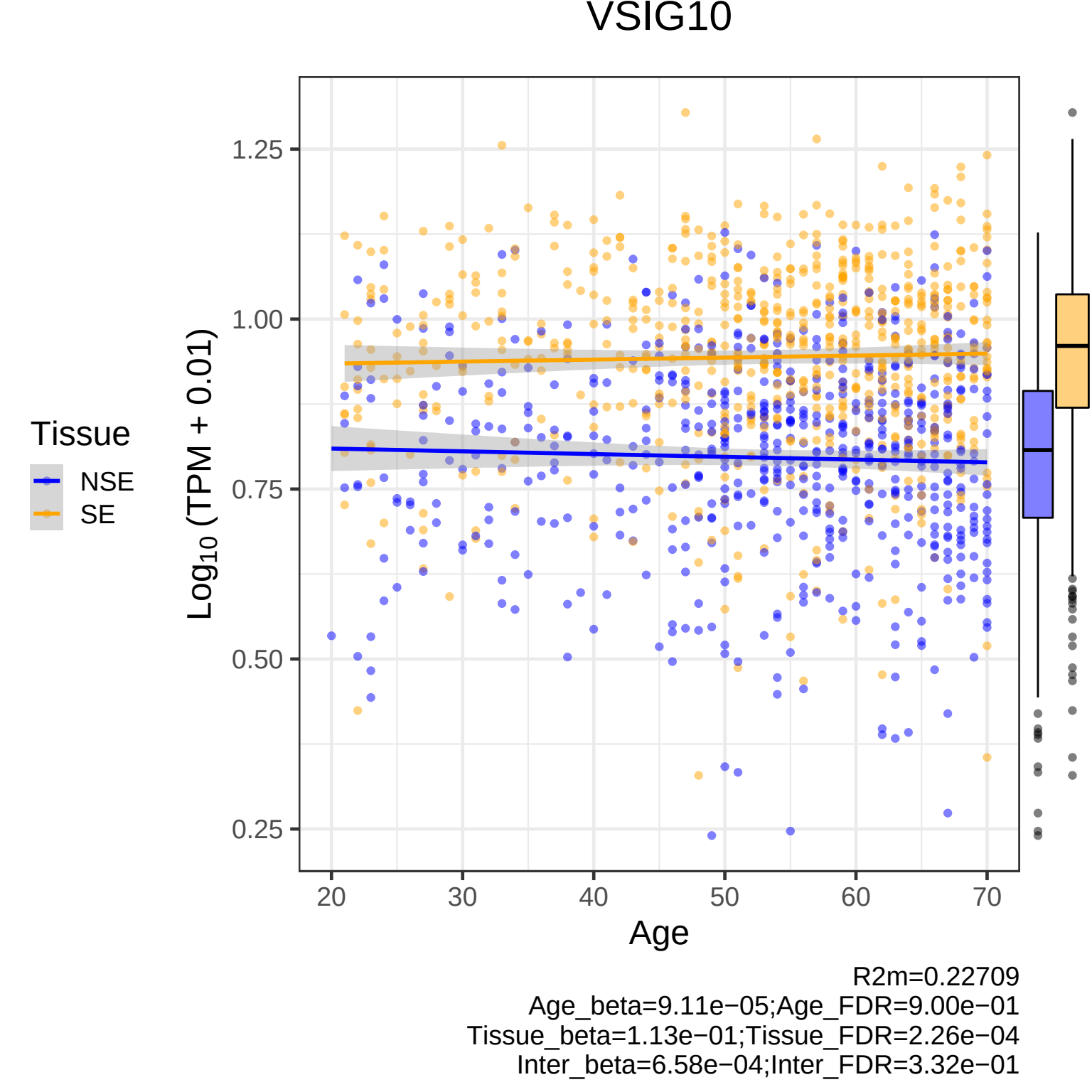

FURIN
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.25
2.00
1.75
1.50
20
30
40
50
60
70
Age
R2m=0.22926
Age_beta=−1.47e−03;Age_FDR=1.52e−04
Tissue_beta=4.98e−02;Tissue_FDR=4.72e−02
Inter_beta=6.46e−04;Inter_FDR=1.94e−01

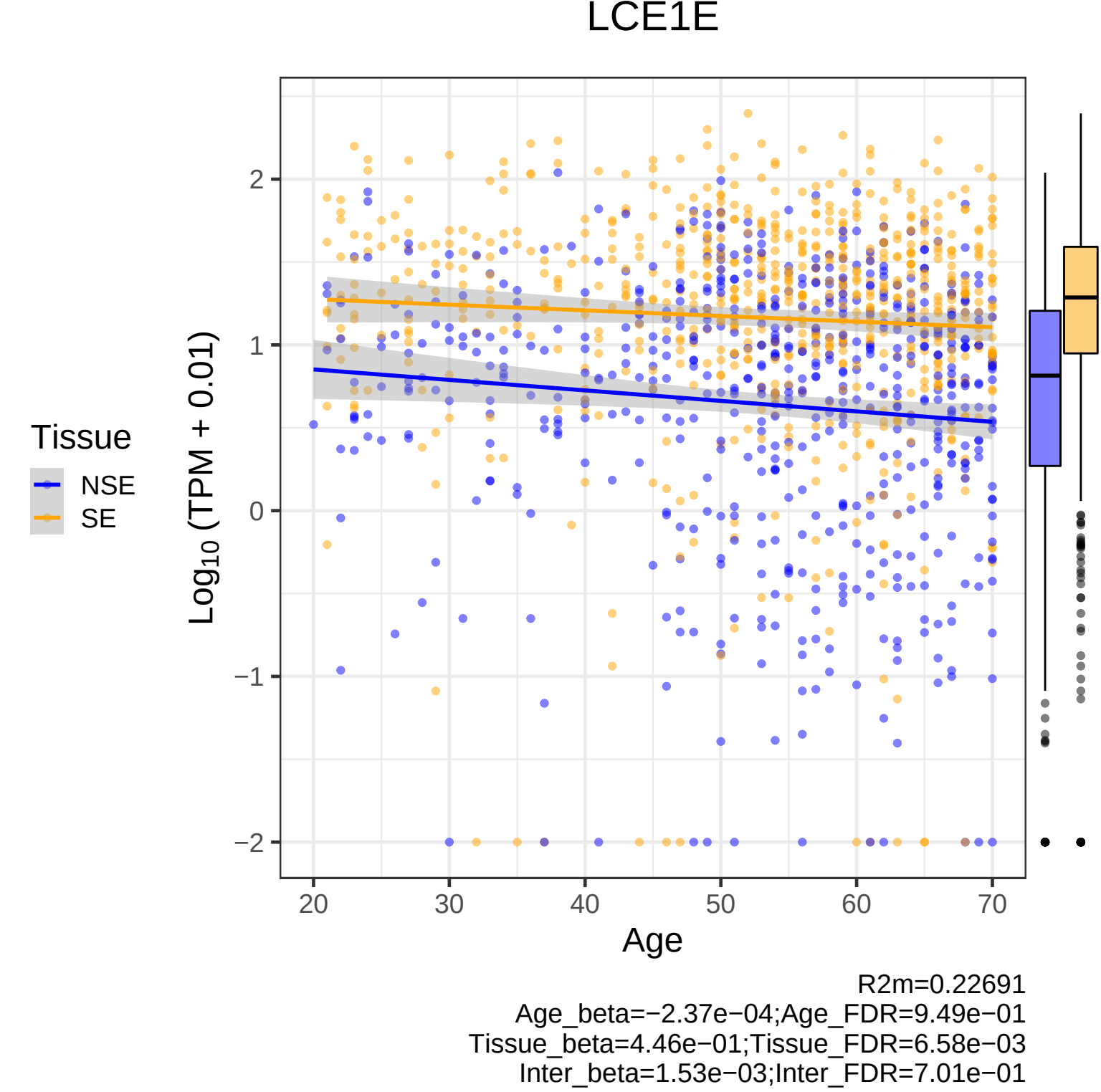

FYN
Tissue
NSE
SE
2.0
1.5
1.0
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.22846
Age_beta=−6.73e−04;Age_FDR=3.14e−01
Tissue_beta=3.75e−02;Tissue_FDR=3.89e−01
Inter_beta=2.04e−03;Inter_FDR=3.49e−03

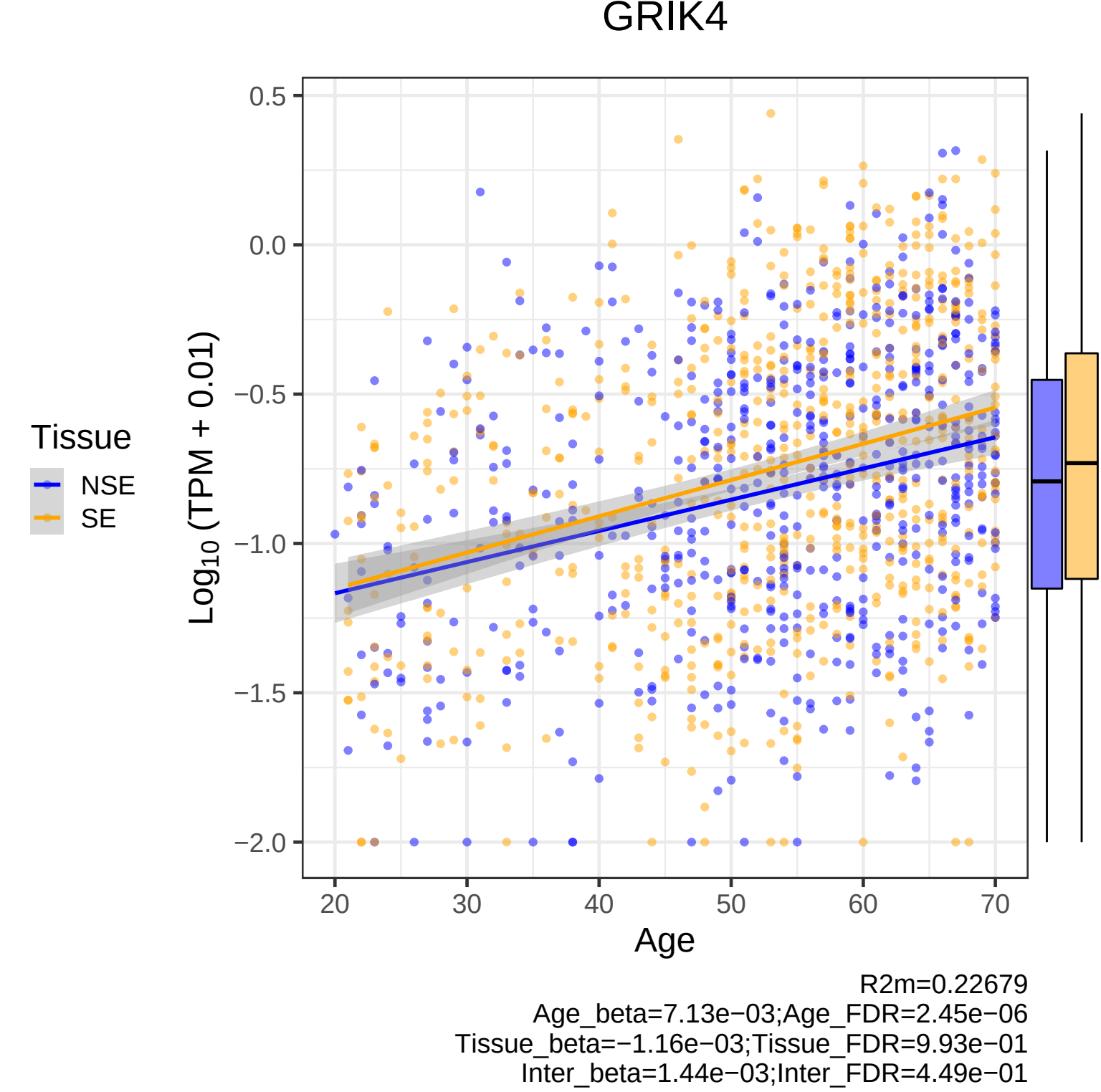

GBA
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.75
1.50
1.25
1.00
20
30
40
50
60
70
Age
R2m=0.22819
Age_beta=−1.15e−03;Age_FDR=3.44e−02
Tissue_beta=9.97e−02;Tissue_FDR=2.48e−03
Inter_beta=1.22e−04;Inter_FDR=8.90e−01

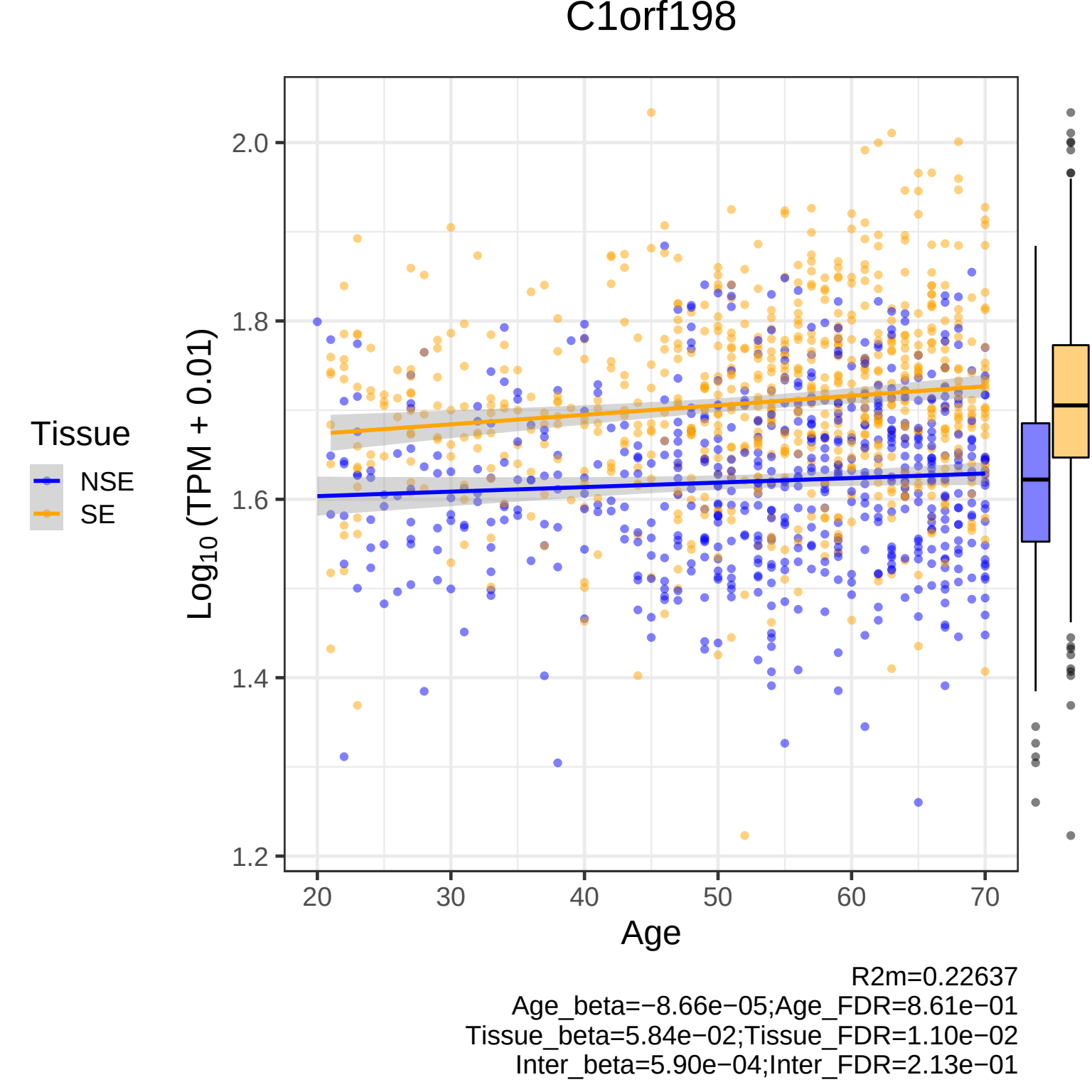

SP5
Tissue
NSE
SE
Log10 (TPM + 0.01)
1
0
−1
20
30
40
50
60
70
Age
R2m=0.22812
Age_beta=3.58e−03;Age_FDR=8.78e−03
Tissue_beta=2.07e−01;Tissue_FDR=1.37e−02
Inter_beta=3.12e−03;Inter_FDR=5.54e−02

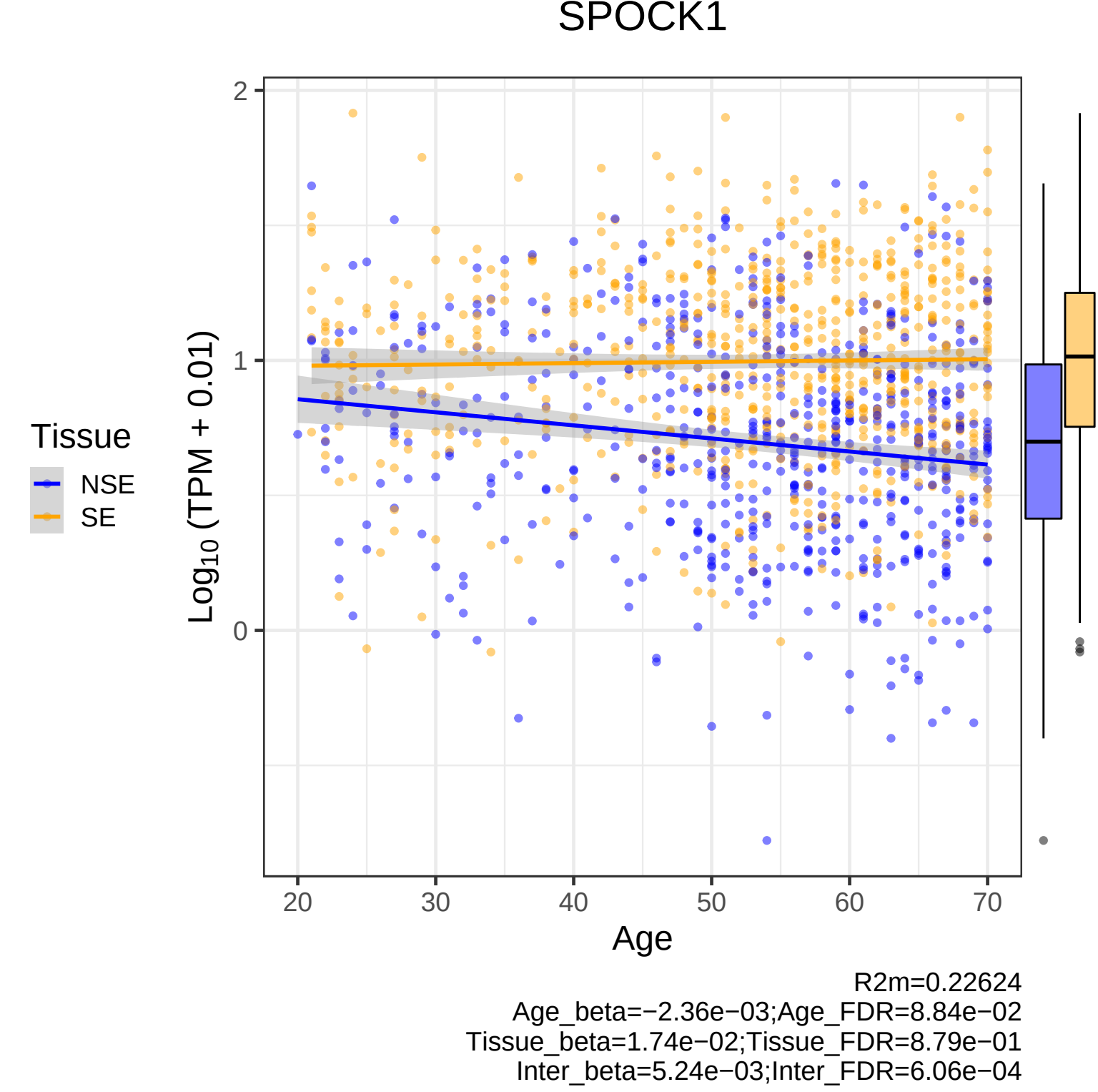

PSEN2
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.25
1.00
0.75
20
30
40
50
60
70
Age
R2m=0.22794
Age_beta=−2.86e−04;Age_FDR=5.28e−01
Tissue_beta=5.99e−02;Tissue_FDR=1.31e−02
Inter_beta=8.87e−04;Inter_FDR=5.81e−02

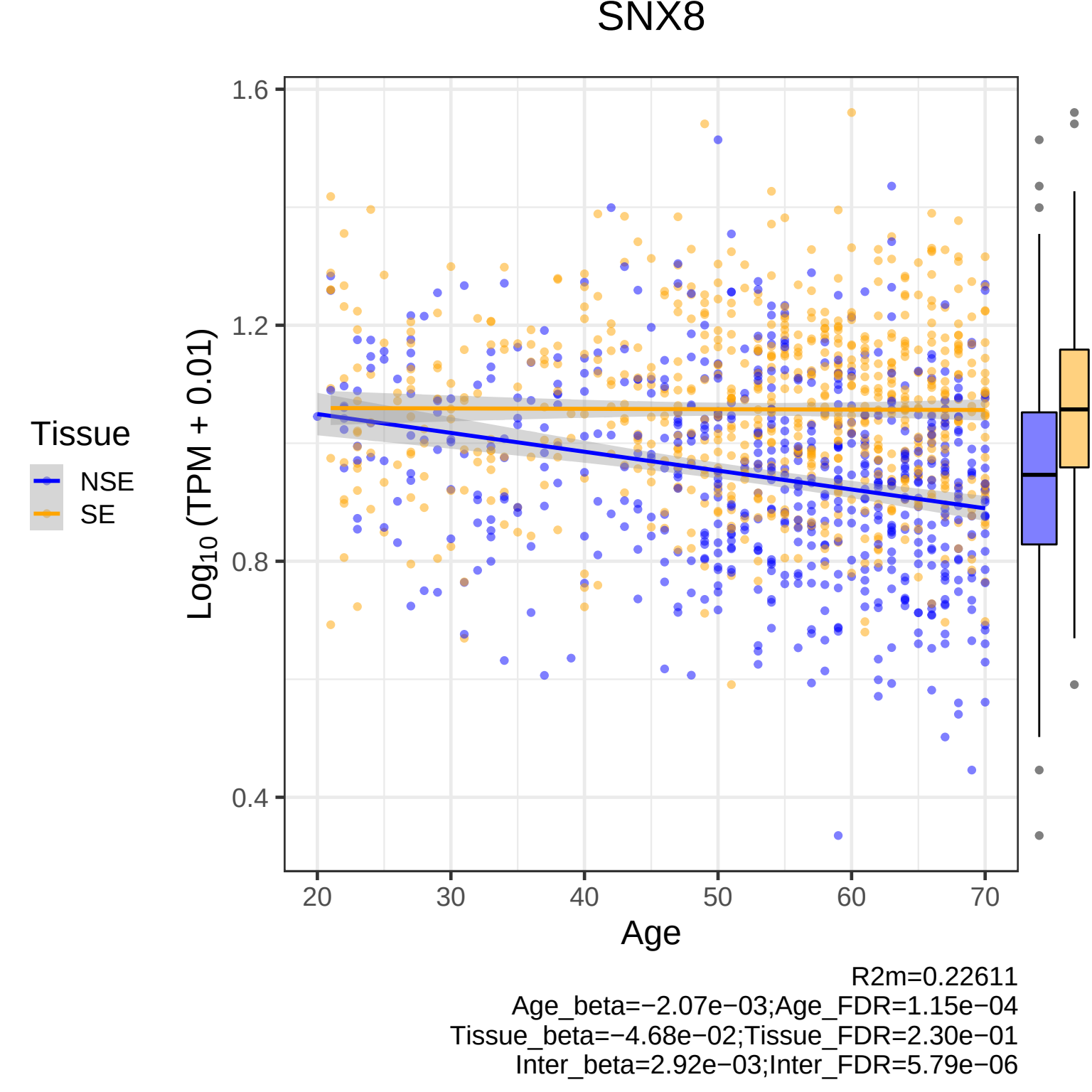

VSIG10
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.25
1.00
0.75
0.50
0.25
20
30
40
50
60
70
Age
R2m=0.22709
Age_beta=9.11e−05;Age_FDR=9.00e−01
Tissue_beta=1.13e−01;Tissue_FDR=2.26e−04
Inter_beta=6.58e−04;Inter_FDR=3.32e−01

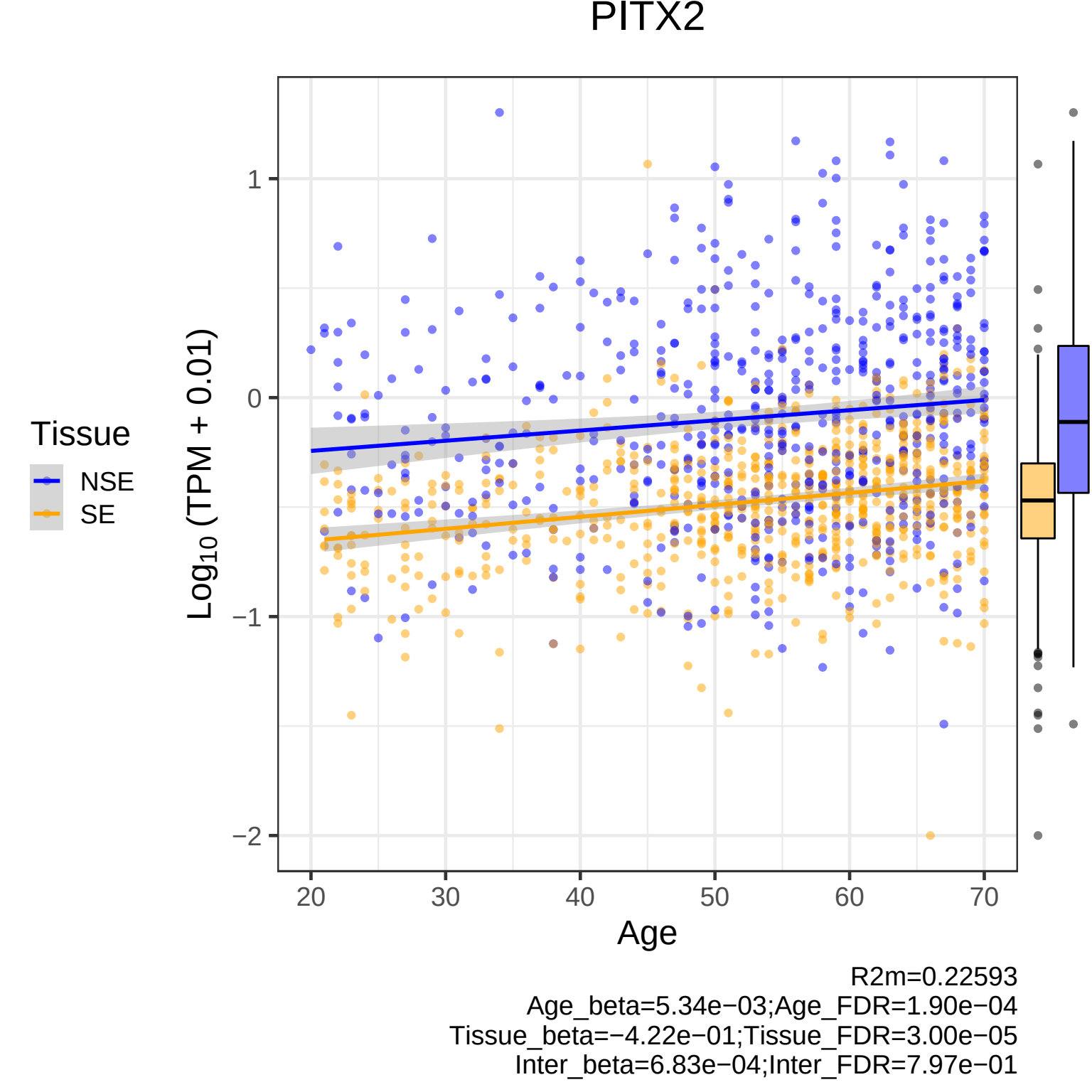

LCE1E
Tissue
NSE
SE
Log10 (TPM + 0.01)
2
1
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.22691
Age_beta=−2.37e−04;Age_FDR=9.49e−01
Tissue_beta=4.46e−01;Tissue_FDR=6.58e−03
Inter_beta=1.53e−03;Inter_FDR=7.01e−01

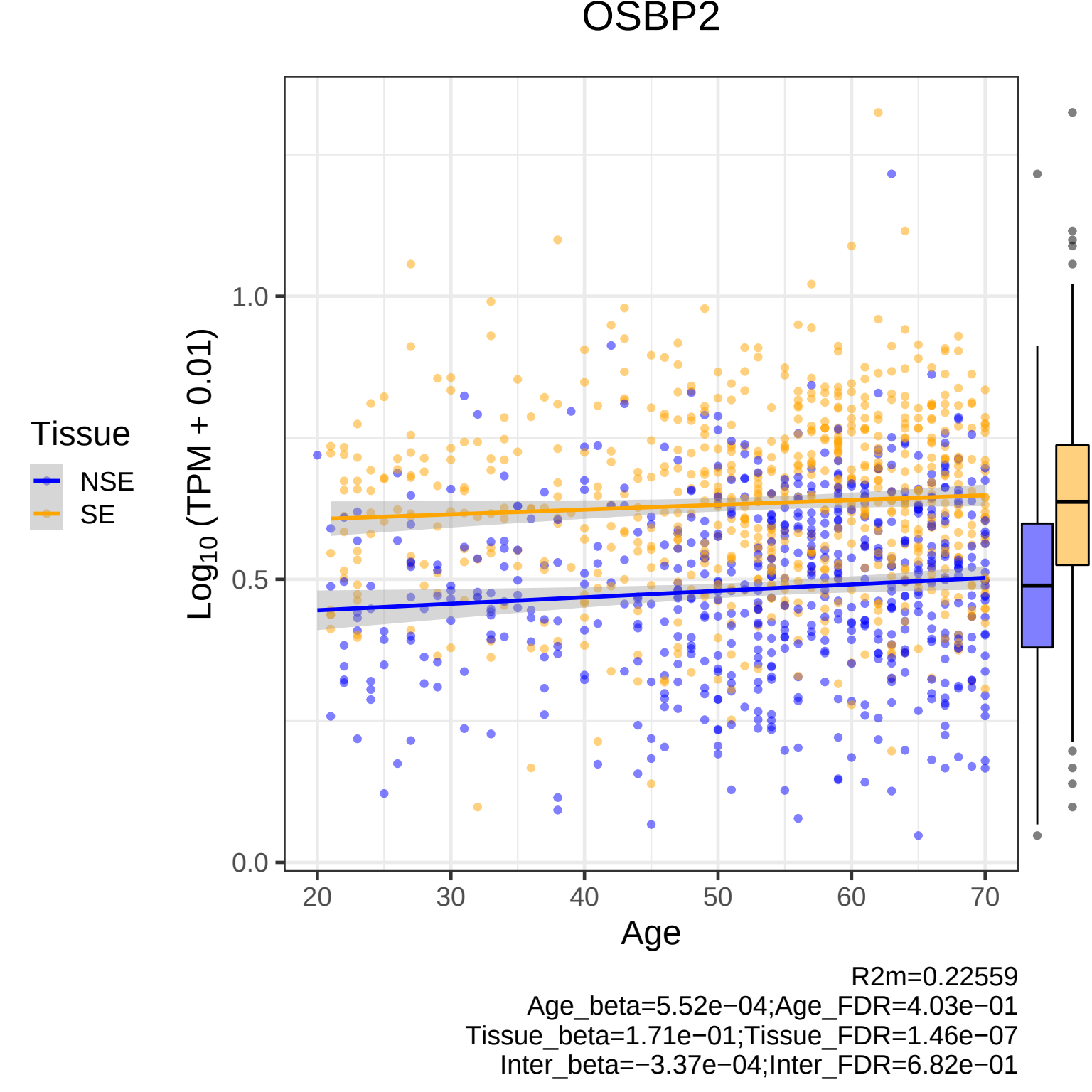

GRIK4
Tissue
NSE
SE
Log10 (TPM + 0.01)
0.5
0.0
−0.5
−1.0
−1.5
−2.0
20
30
40
50
60
70
Age
R2m=0.22679
Age_beta=7.13e−03;Age_FDR=2.45e−06
Tissue_beta=−1.16e−03;Tissue_FDR=9.93e−01
Inter_beta=1.44e−03;Inter_FDR=4.49e−01

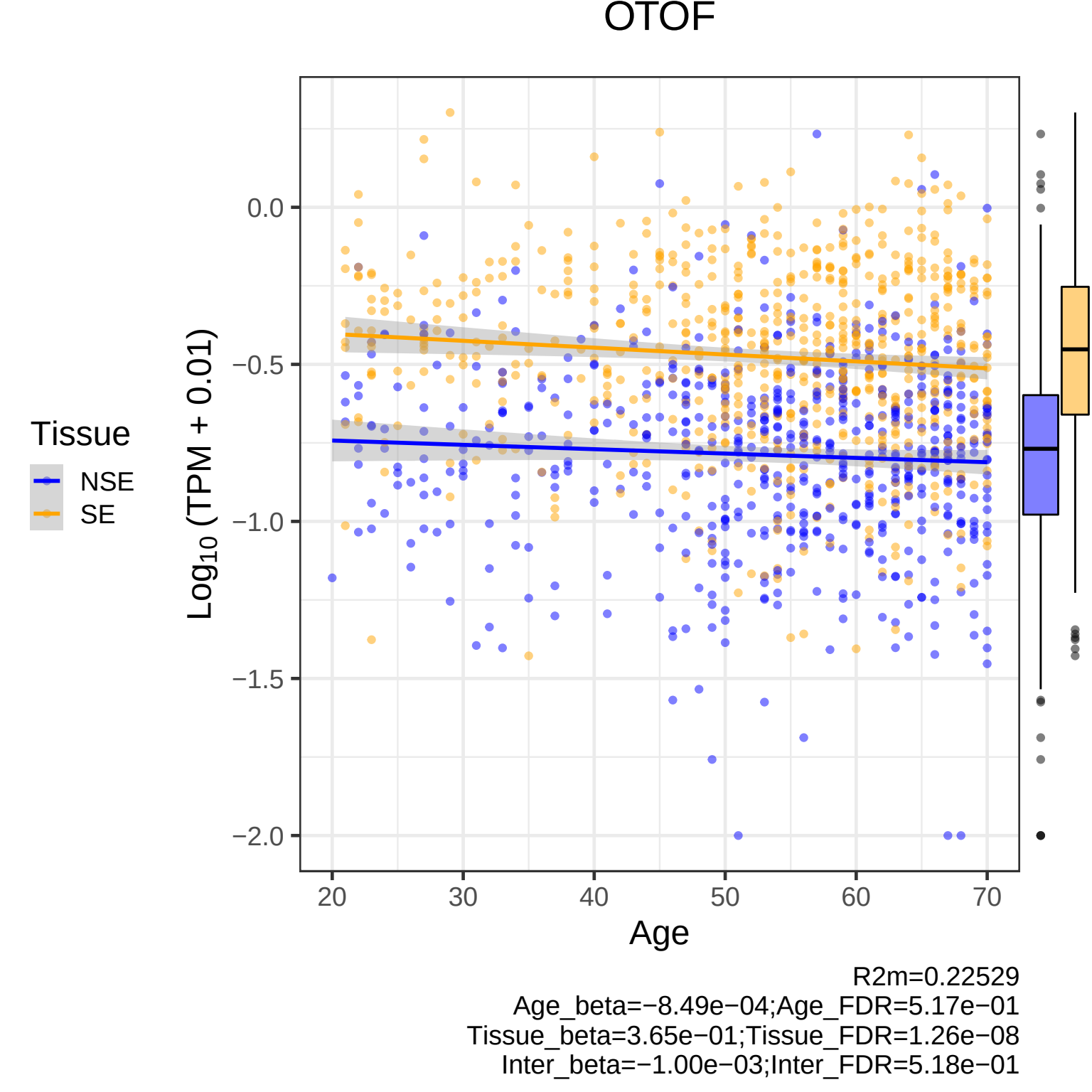

C1orf198
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.0
1.8
1.6
1.4
1.2
20
30
40
50
60
70
Age
R2m=0.22637
Age_beta=−8.66e−05;Age_FDR=8.61e−01
Tissue_beta=5.84e−02;Tissue_FDR=1.10e−02
Inter_beta=5.90e−04;Inter_FDR=2.13e−01

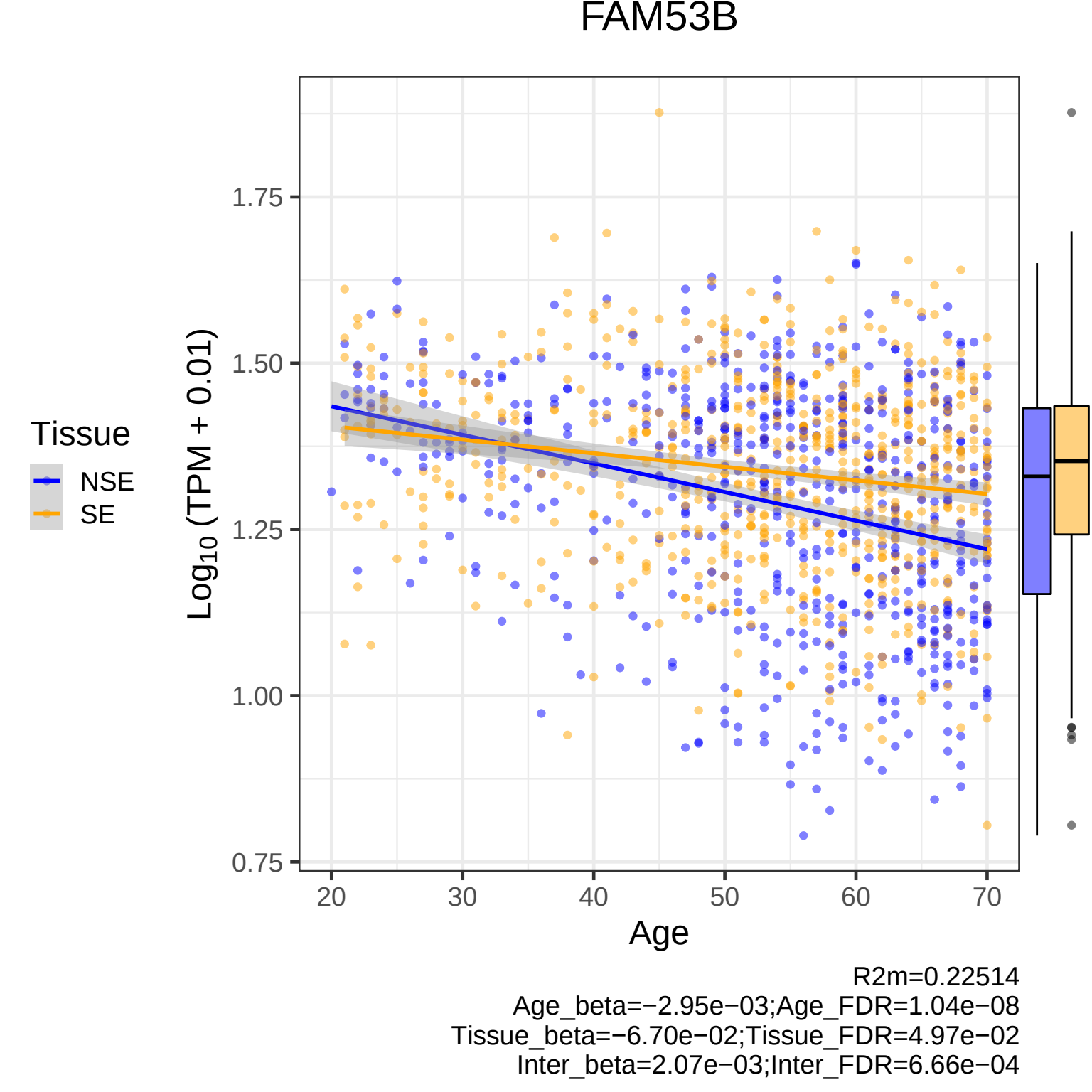

SPOCK1
Tissue
NSE
SE
Log10 (TPM + 0.01)
2
1
0
20
30
40
50
60
70
Age
R2m=0.22624
Age_beta=−2.36e−03;Age_FDR=8.84e−02
Tissue_beta=1.74e−02;Tissue_FDR=8.79e−01
Inter_beta=5.24e−03;Inter_FDR=6.06e−04

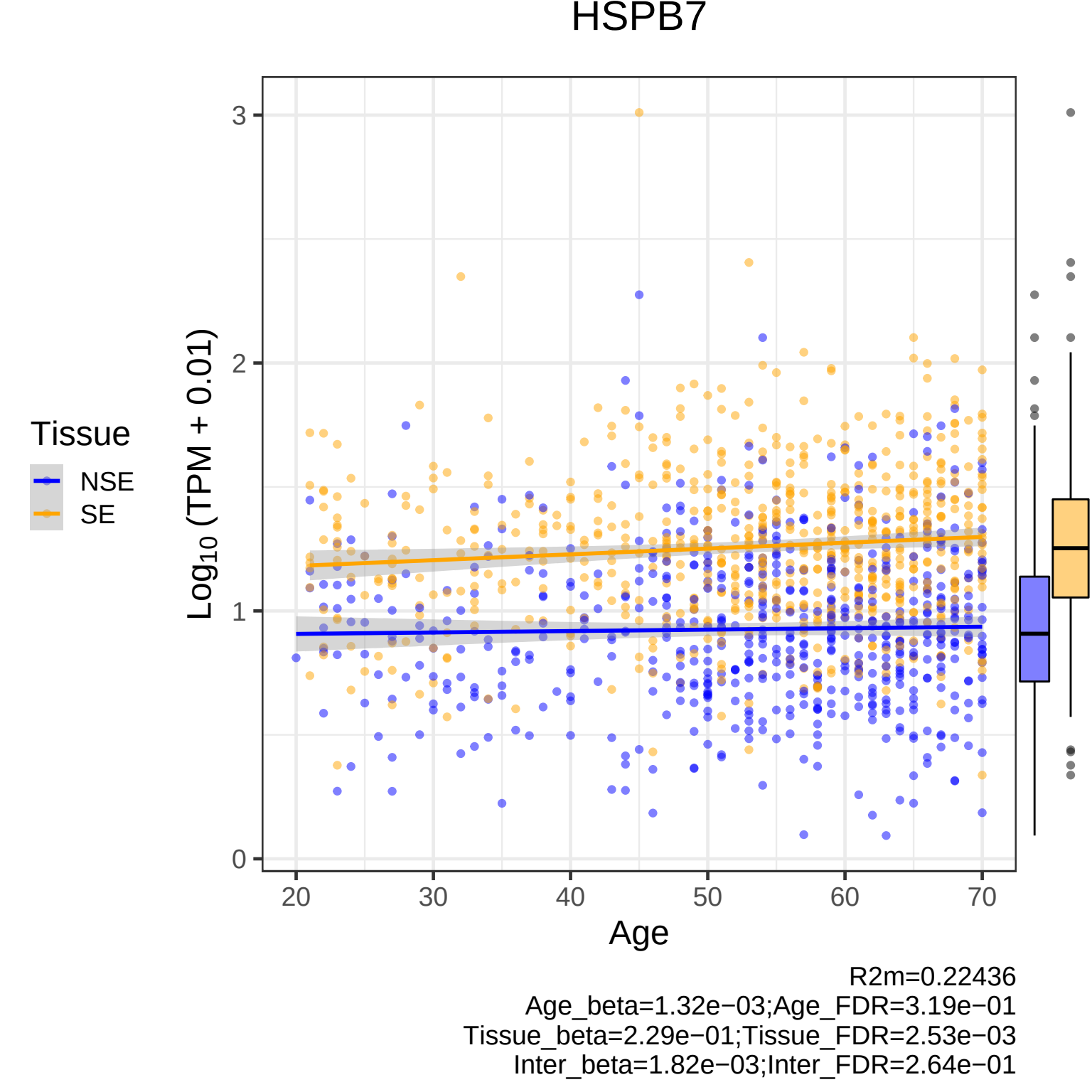

SNX8
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.6
1.2
0.8
0.4
20
30
40
50
60
70
Age
R2m=0.22611
Age_beta=−2.07e−03;Age_FDR=1.15e−04
Tissue_beta=−4.68e−02;Tissue_FDR=2.30e−01
Inter_beta=2.92e−03;Inter_FDR=5.79e−06

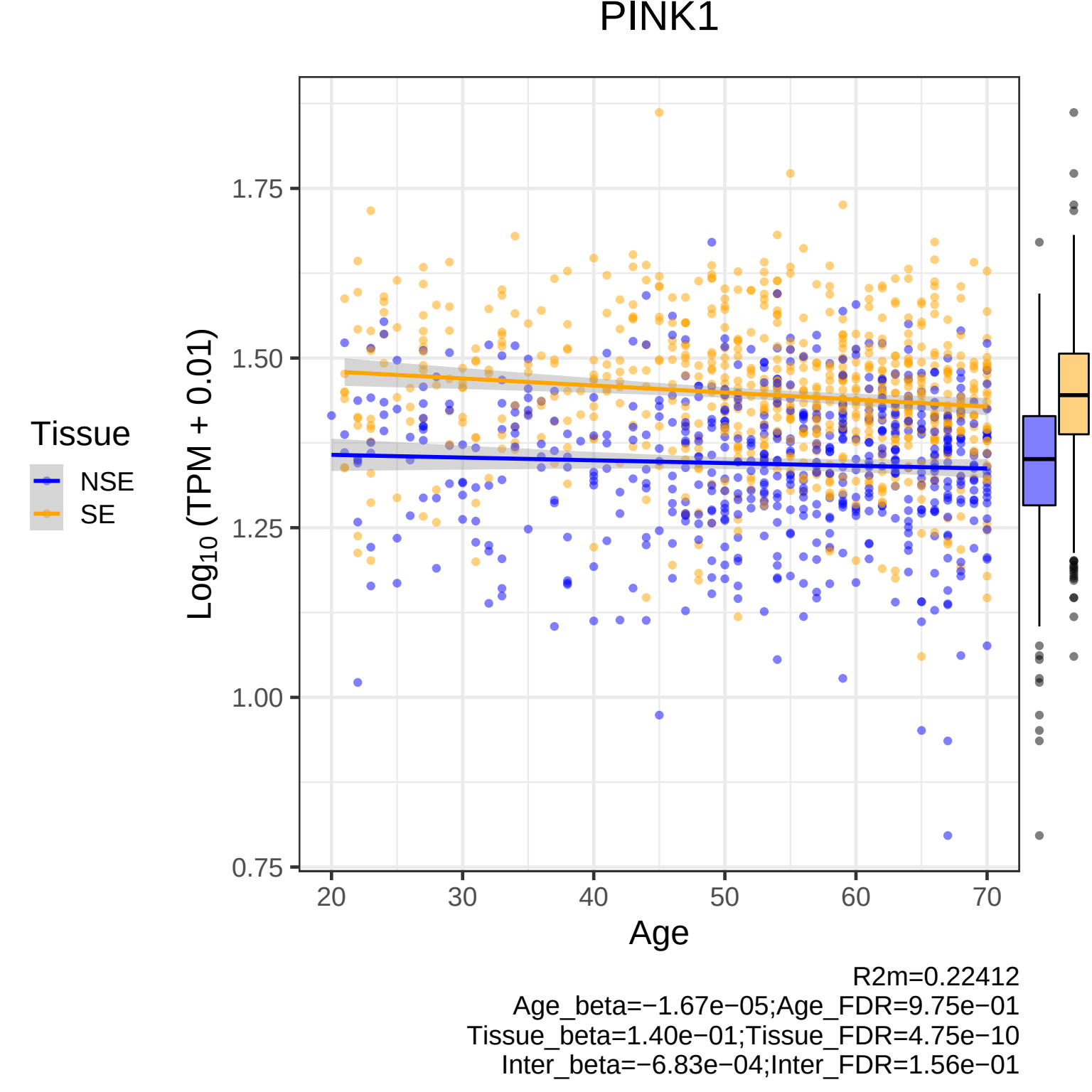

PITX2
Tissue
NSE
SE
Log10 (TPM + 0.01)
1
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.22593
Age_beta=5.34e−03;Age_FDR=1.90e−04
Tissue_beta=−4.22e−01;Tissue_FDR=3.00e−05
Inter_beta=6.83e−04;Inter_FDR=7.97e−01

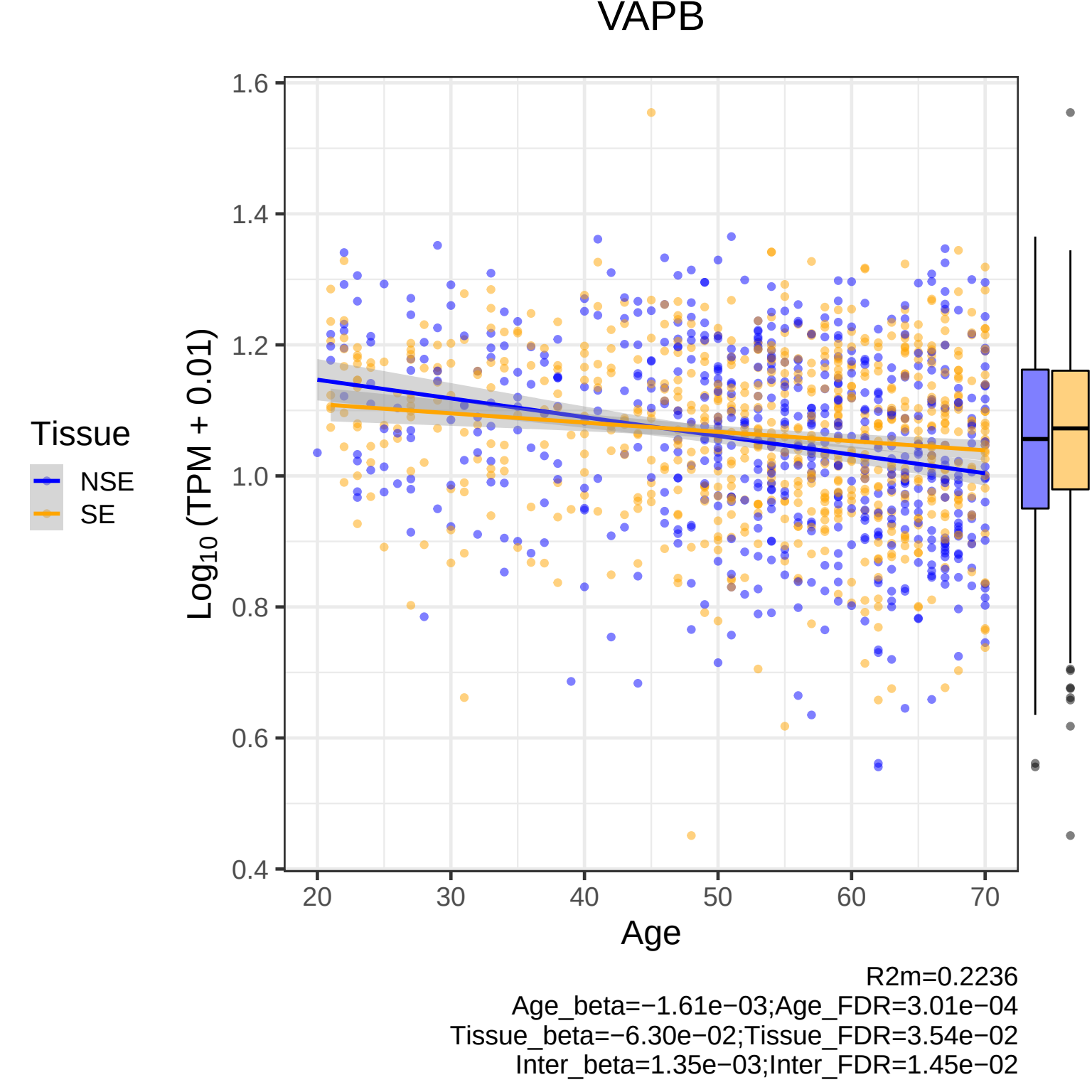

OSBP2
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.0
0.5
0.0
20
30
40
50
60
70
Age
R2m=0.22559
Age_beta=5.52e−04;Age_FDR=4.03e−01
Tissue_beta=1.71e−01;Tissue_FDR=1.46e−07
Inter_beta=−3.37e−04;Inter_FDR=6.82e−01

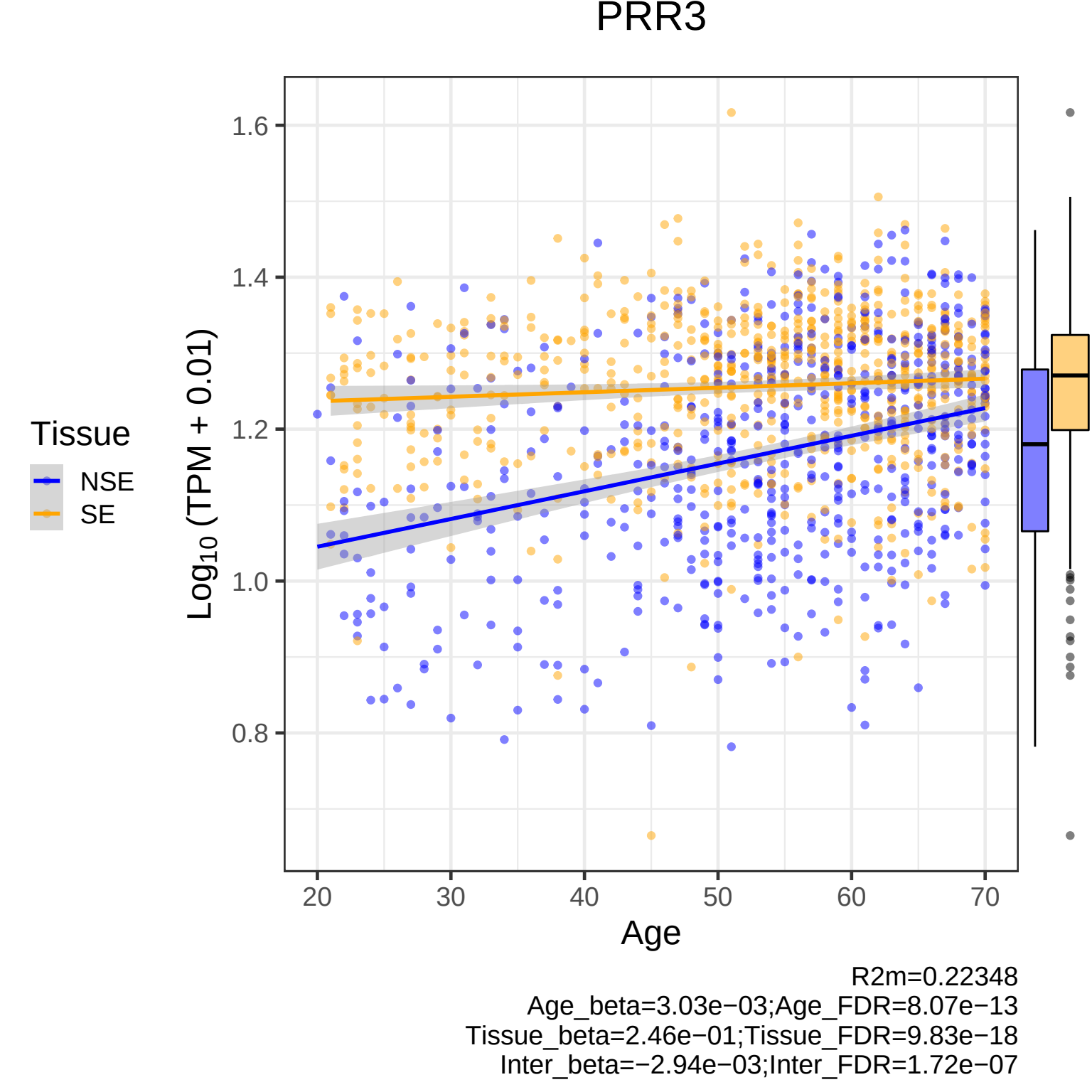

OTOF
Tissue
NSE
SE
Log10 (TPM + 0.01)
0.0
−0.5
−1.0
−1.5
−2.0
20
30
40
50
60
70
Age
R2m=0.22529
Age_beta=−8.49e−04;Age_FDR=5.17e−01
Tissue_beta=3.65e−01;Tissue_FDR=1.26e−08
Inter_beta=−1.00e−03;Inter_FDR=5.18e−01

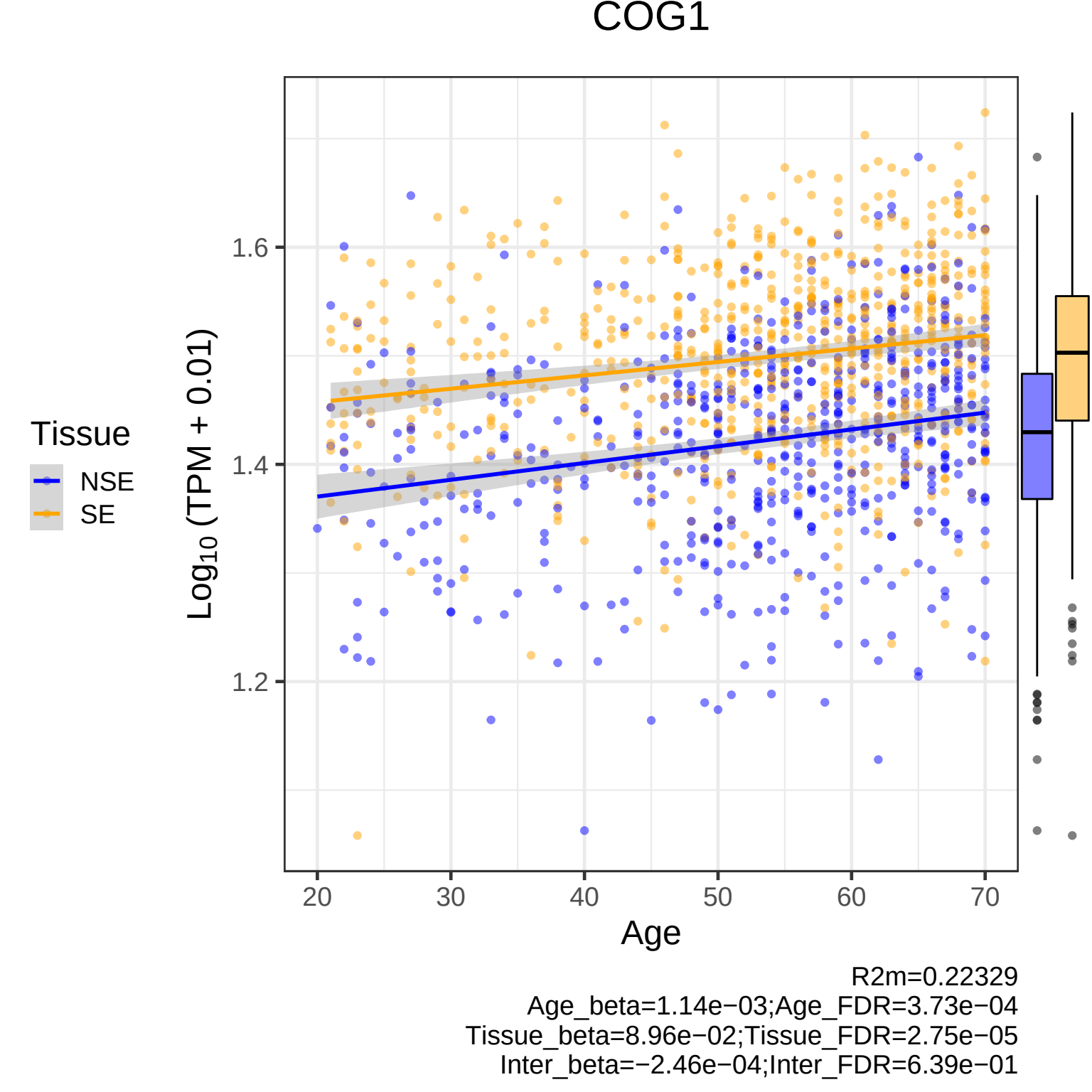

FAM53B
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.75
1.50
1.25
1.00
0.75
20
30
40
50
60
70
Age
R2m=0.22514
Age_beta=−2.95e−03;Age_FDR=1.04e−08
Tissue_beta=−6.70e−02;Tissue_FDR=4.97e−02
Inter_beta=2.07e−03;Inter_FDR=6.66e−04

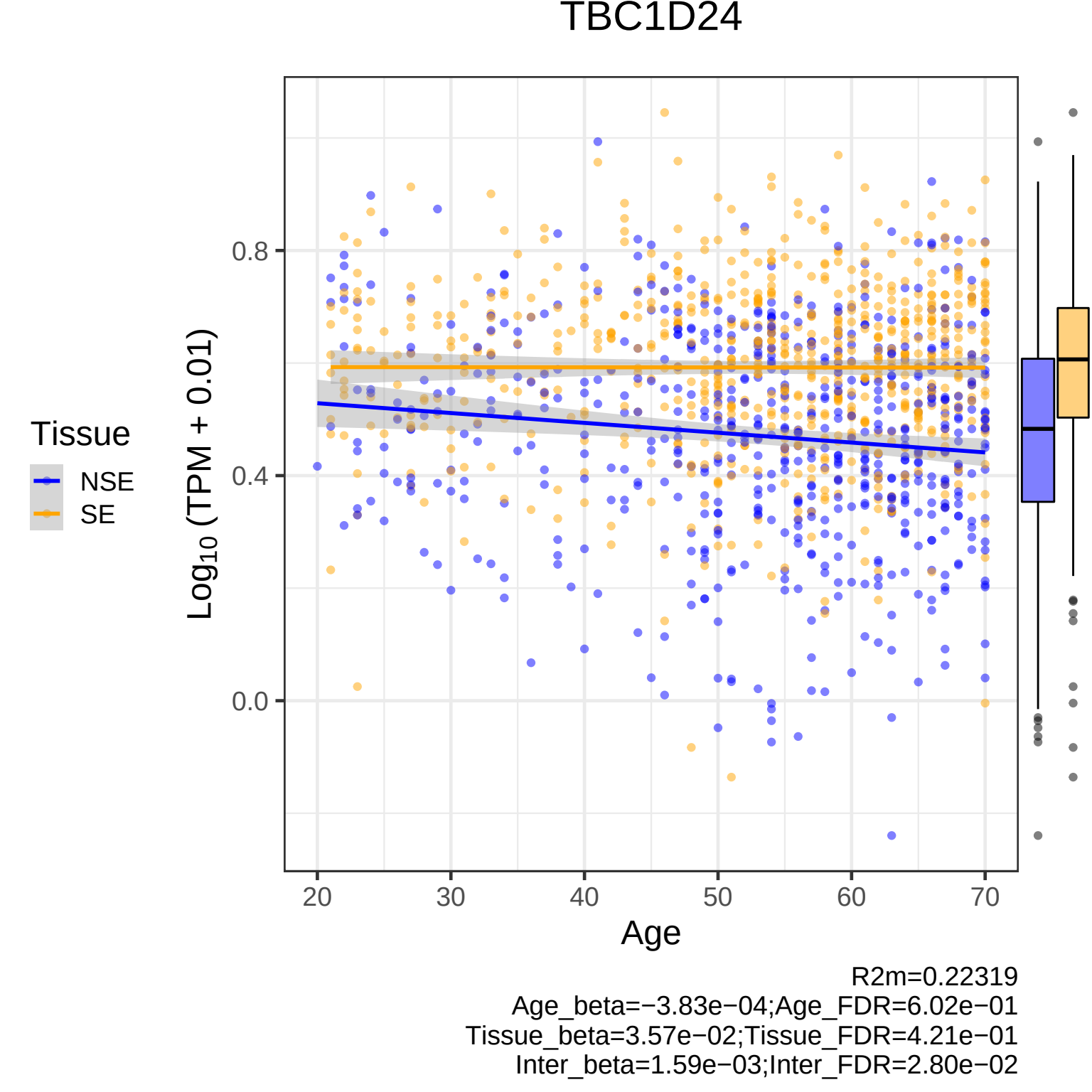

HSPB7
Tissue
NSE
SE
Log10 (TPM + 0.01)
0
1
2
3
20
30
40
50
60
70
Age
R2m=0.22436
Age_beta=1.32e−03;Age_FDR=3.19e−01
Tissue_beta=2.29e−01;Tissue_FDR=2.53e−03
Inter_beta=1.82e−03;Inter_FDR=2.64e−01

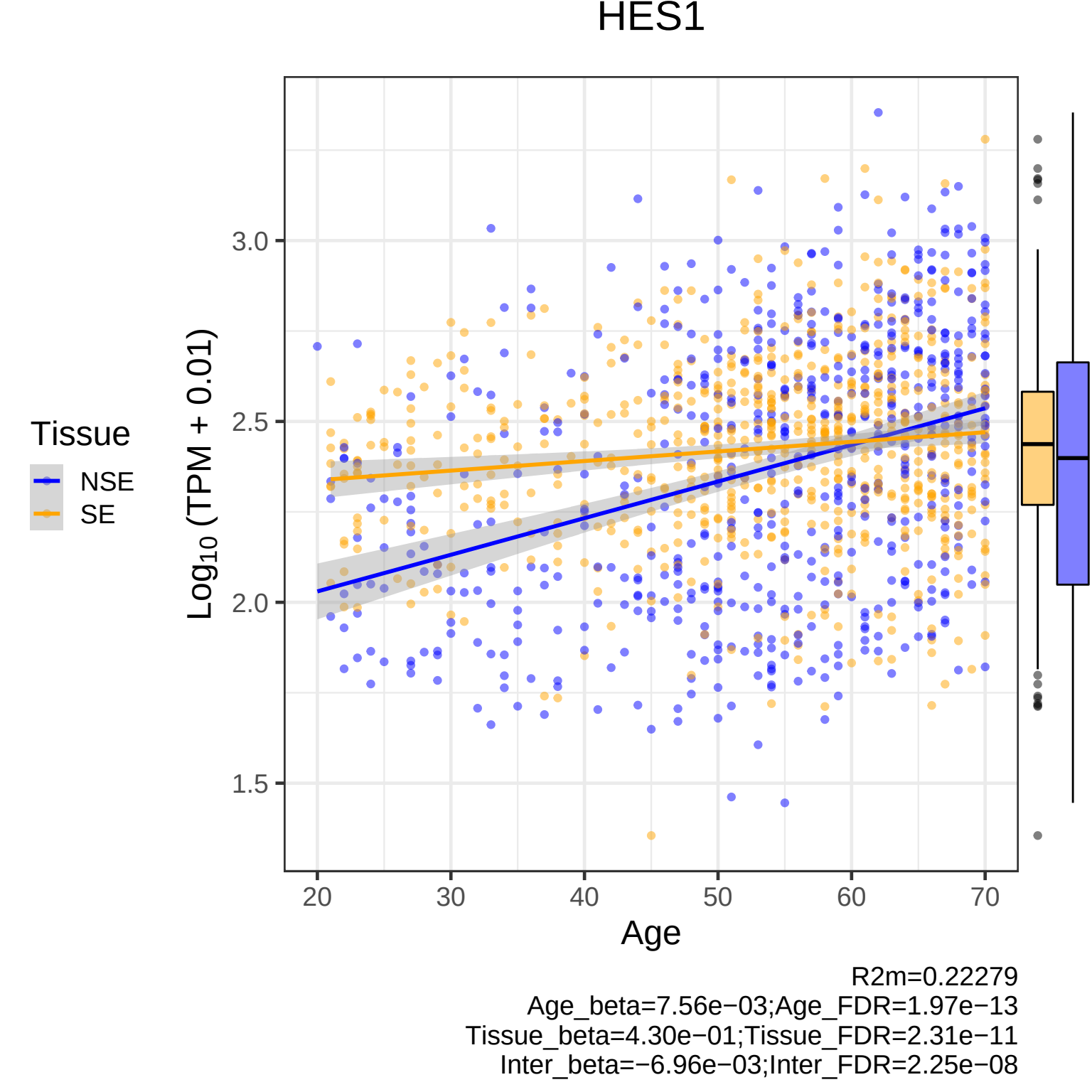

PINK1
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.75
1.50
1.25
1.00
0.75
20
30
40
50
60
70
Age
R2m=0.22412
Age_beta=−1.67e−05;Age_FDR=9.75e−01
Tissue_beta=1.40e−01;Tissue_FDR=4.75e−10
Inter_beta=−6.83e−04;Inter_FDR=1.56e−01

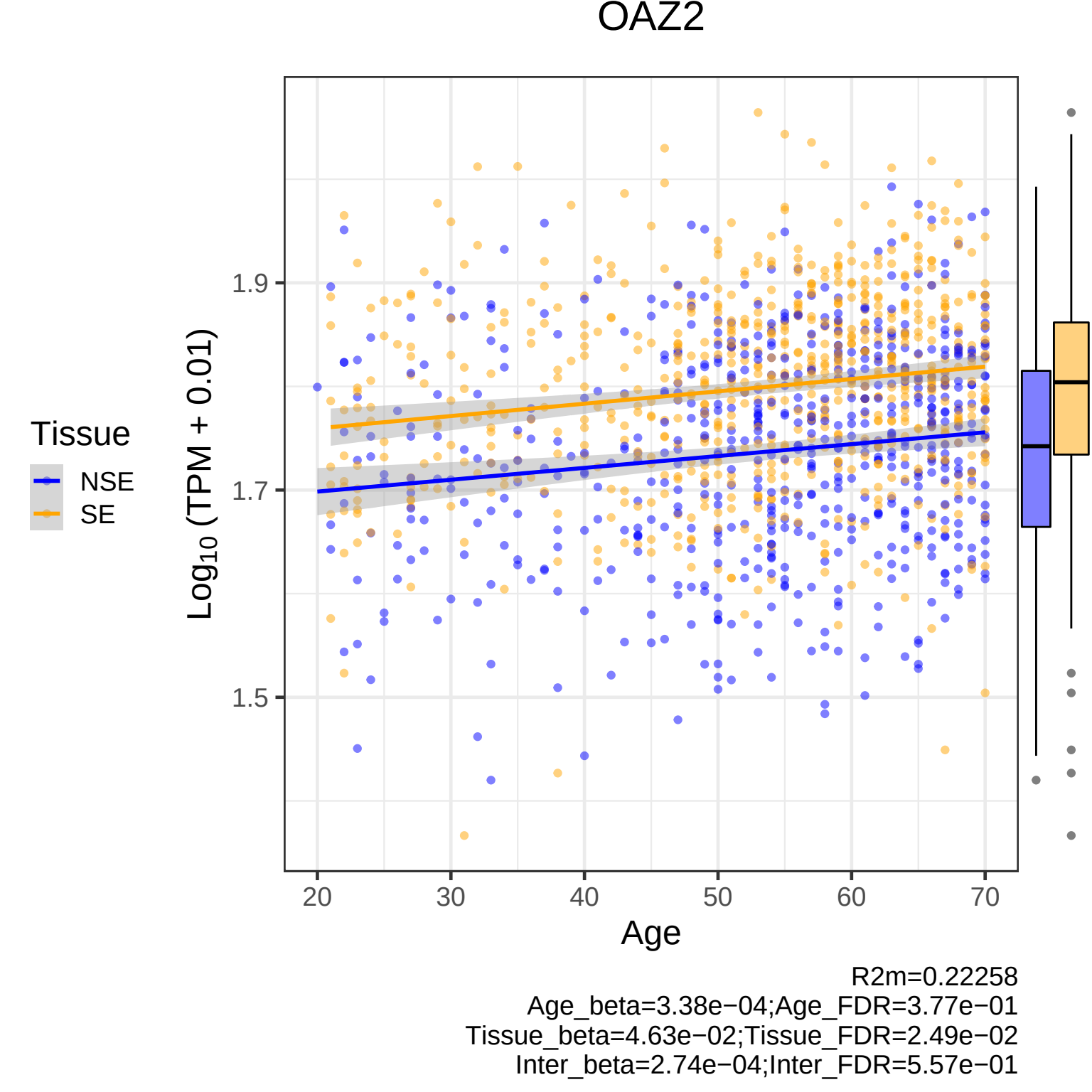

VAPB
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
20
30
40
50
60
70
Age
R2m=0.2236
Age_beta=−1.61e−03;Age_FDR=3.01e−04
Tissue_beta=−6.30e−02;Tissue_FDR=3.54e−02
Inter_beta=1.35e−03;Inter_FDR=1.45e−02

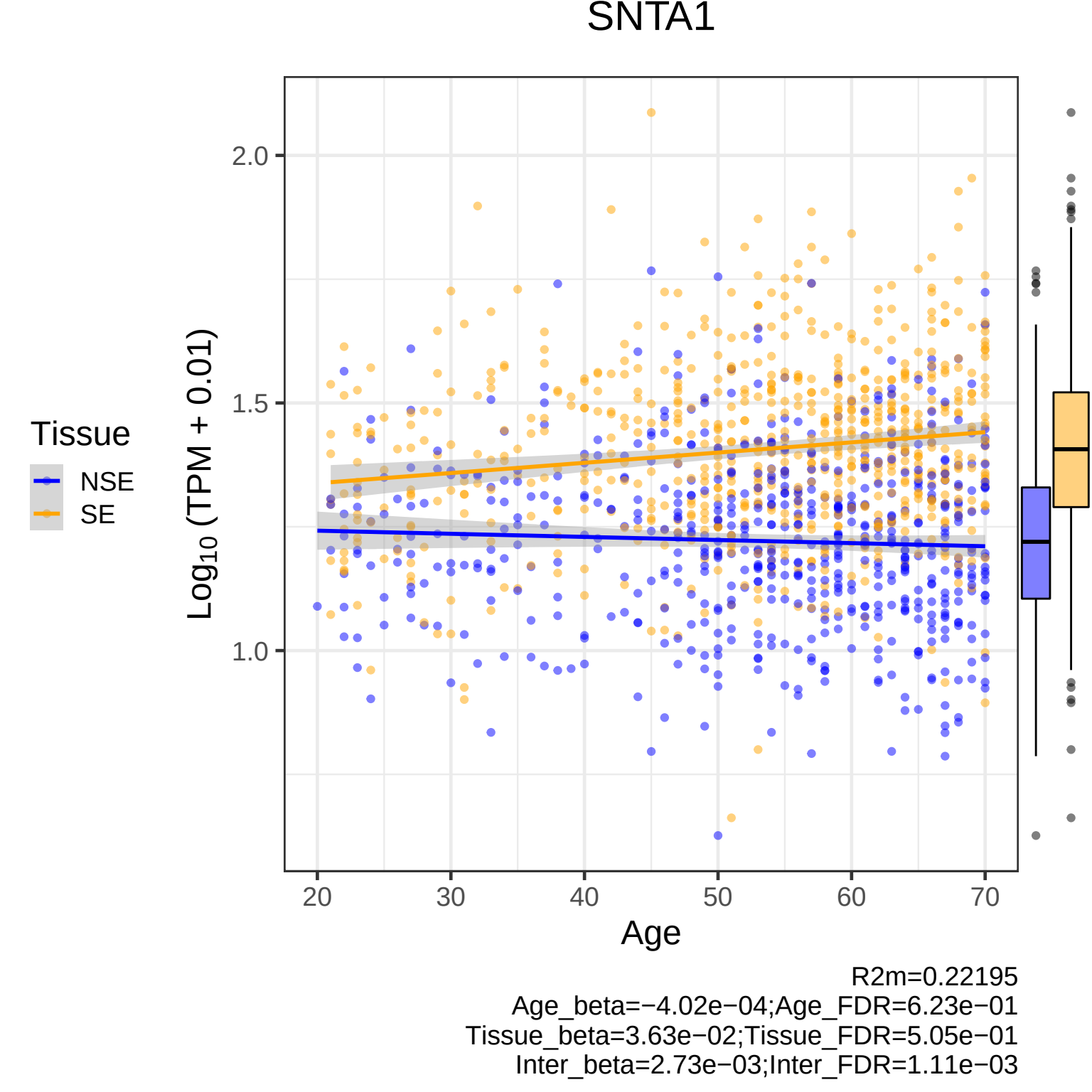

PRR3
Tissue
NSE
SE
1.6
1.4
1.2
1.0
0.8
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.22348
Age_beta=3.03e−03;Age_FDR=8.07e−13
Tissue_beta=2.46e−01;Tissue_FDR=9.83e−18
Inter_beta=−2.94e−03;Inter_FDR=1.72e−07

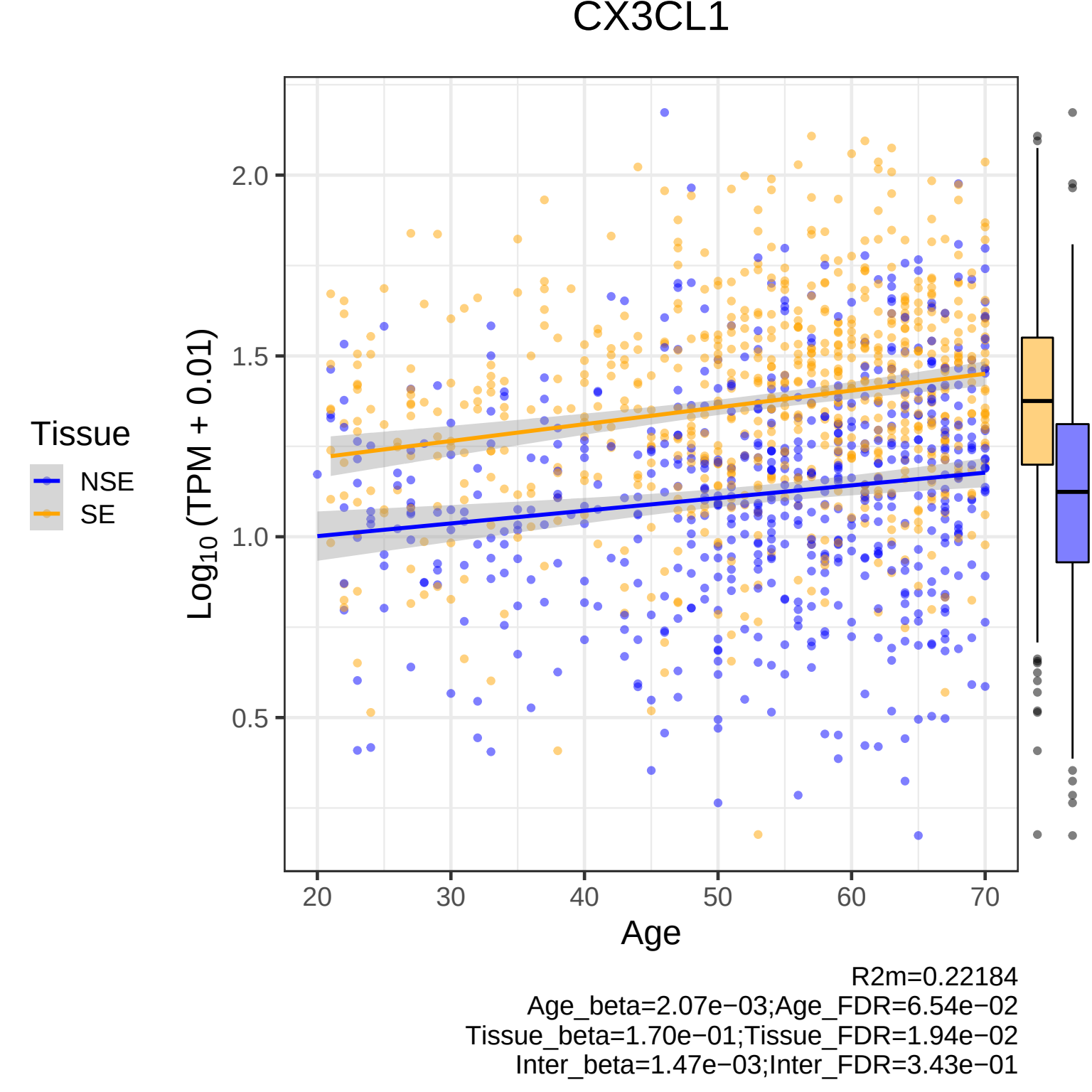

COG1
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.6
1.4
1.2
20
30
40
50
60
70
Age
R2m=0.22329
Age_beta=1.14e−03;Age_FDR=3.73e−04
Tissue_beta=8.96e−02;Tissue_FDR=2.75e−05
Inter_beta=−2.46e−04;Inter_FDR=6.39e−01

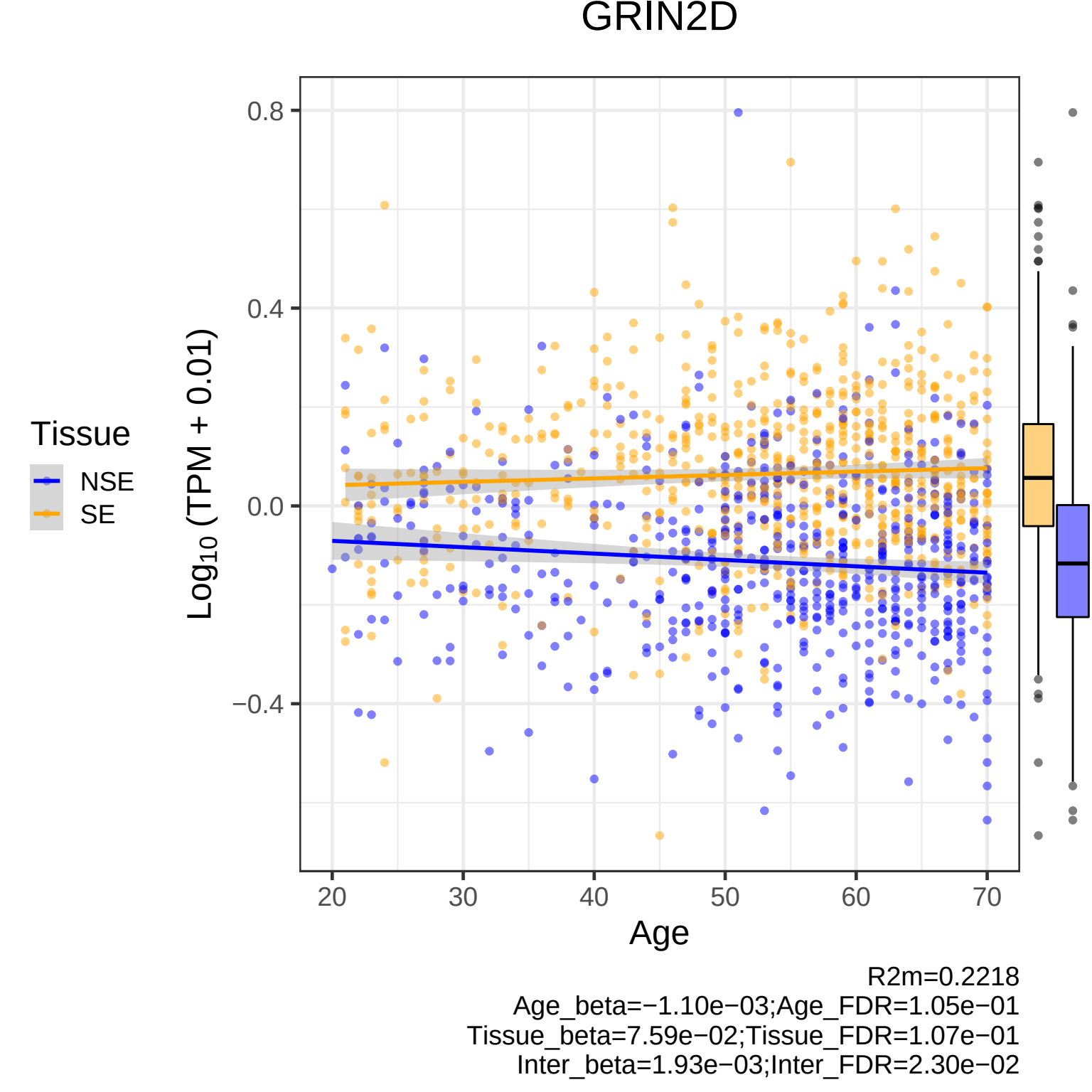

TBC1D24
Tissue
NSE
SE
Log10 (TPM + 0.01)
0.8
0.4
0.0
20
30
40
50
60
70
Age
R2m=0.22319
Age_beta=−3.83e−04;Age_FDR=6.02e−01
Tissue_beta=3.57e−02;Tissue_FDR=4.21e−01
Inter_beta=1.59e−03;Inter_FDR=2.80e−02

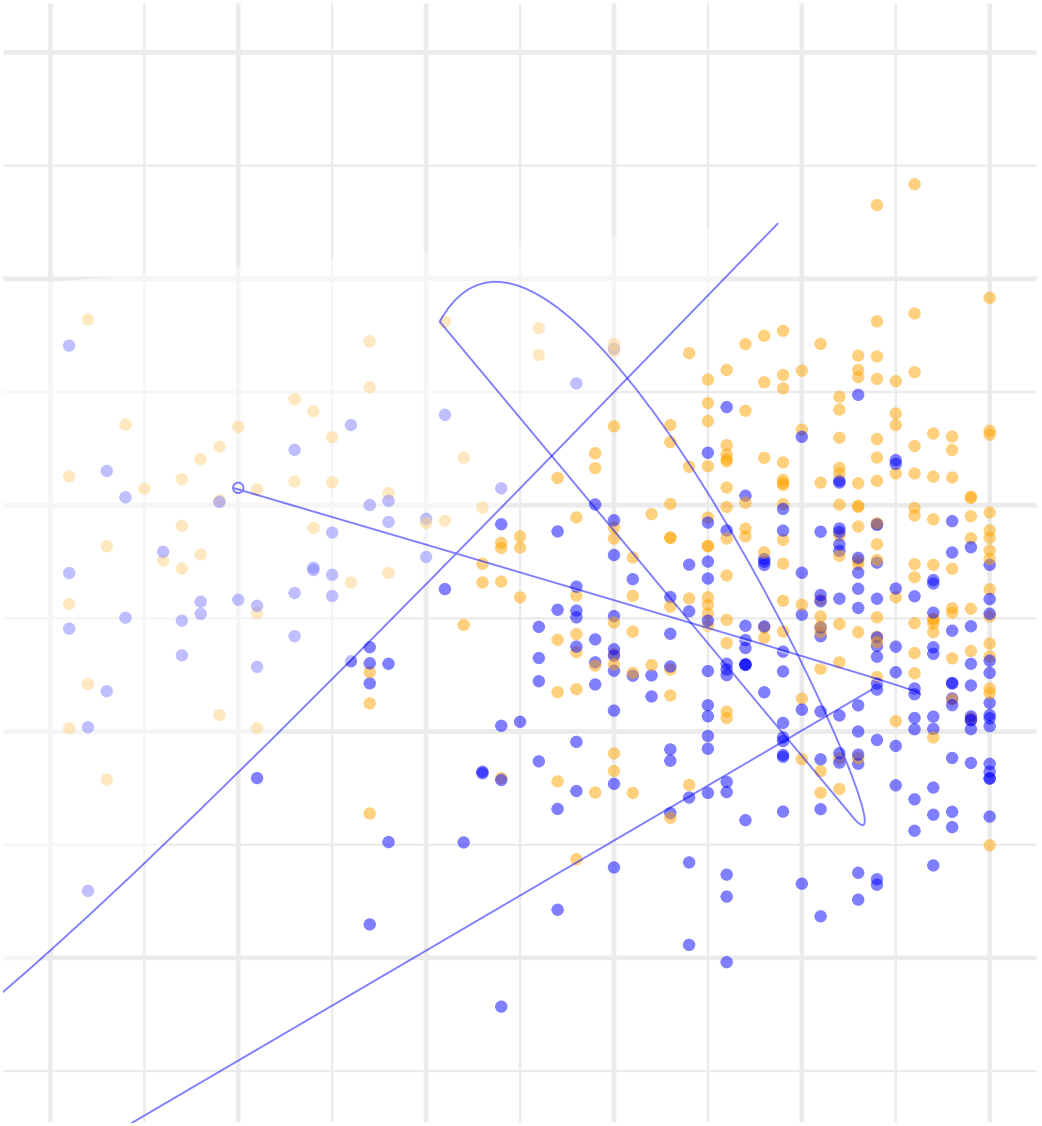

HES1
Tissue
NSE
SE
Log10 (TPM + 0.01)
3.0
2.5
2.0
1.5
20
30
40
50
60
70
Age
R2m=0.22279
Age_beta=7.56e−03;Age_FDR=1.97e−13
Tissue_beta=4.30e−01;Tissue_FDR=2.31e−11
Inter_beta=−6.96e−03;Inter_FDR=2.25e−08

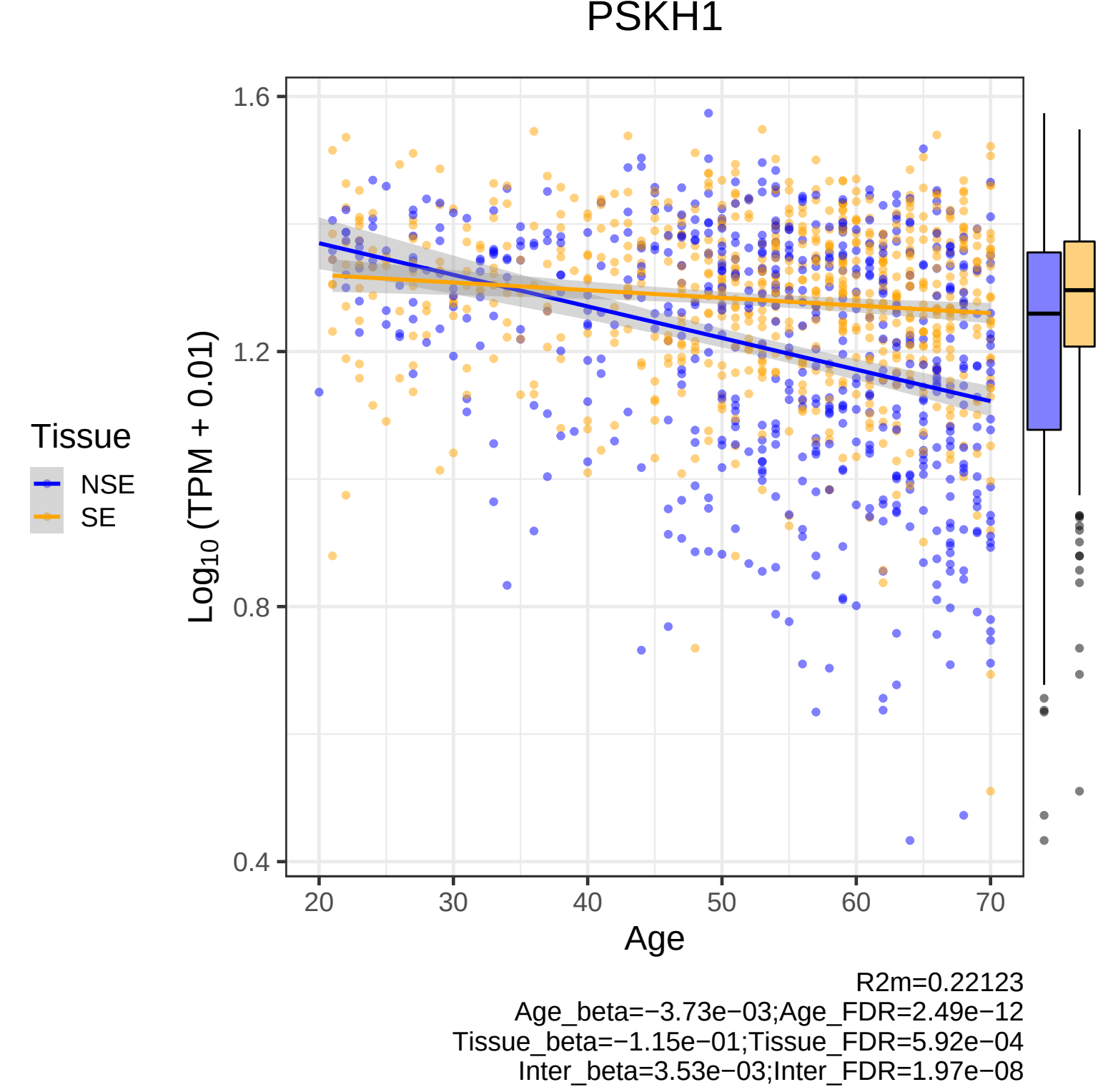

OAZ2
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.9
1.7
1.5
20
30
40
50
60
70
Age
R2m=0.22258
Age_beta=3.38e−04;Age_FDR=3.77e−01
Tissue_beta=4.63e−02;Tissue_FDR=2.49e−02
Inter_beta=2.74e−04;Inter_FDR=5.57e−01

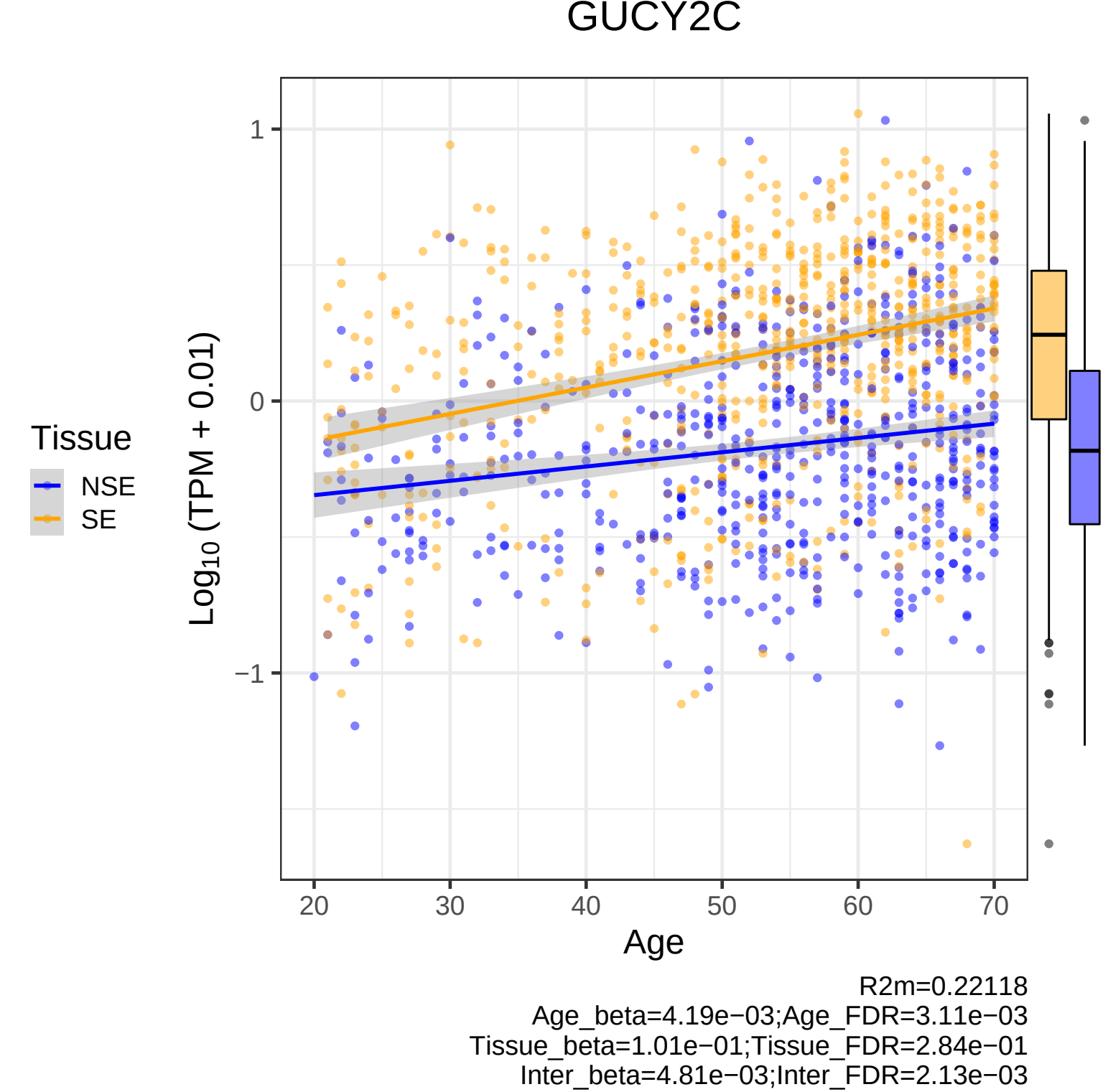

SNTA1
Tissue
NSE
SE
2.0
1.5
1.0
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.22195
Age_beta=−4.02e−04;Age_FDR=6.23e−01
Tissue_beta=3.63e−02;Tissue_FDR=5.05e−01
Inter_beta=2.73e−03;Inter_FDR=1.11e−03

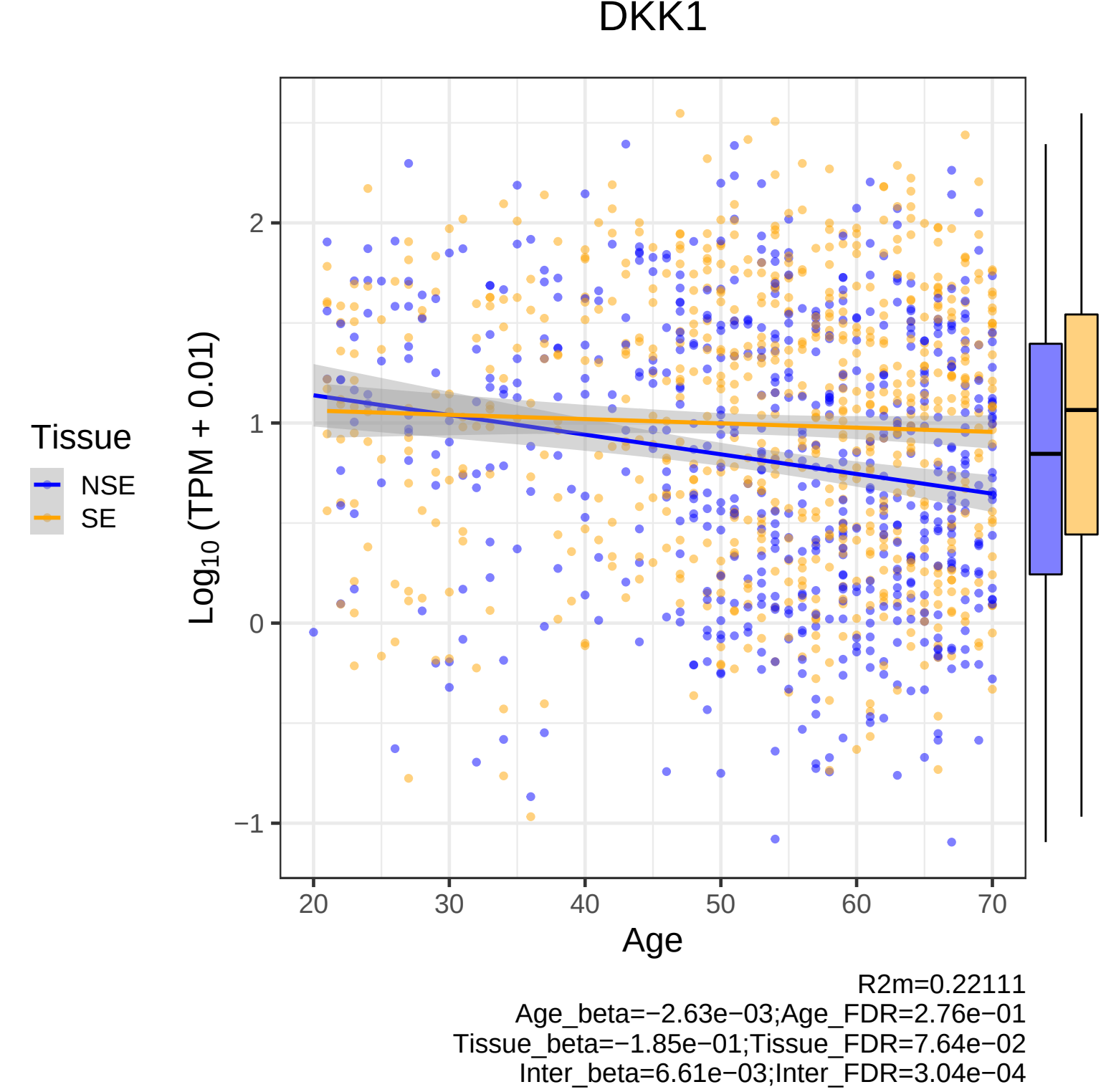

CX3CL1
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.0
1.5
1.0
0.5
20
30
40
50
60
70
Age
R2m=0.22184
Age_beta=2.07e−03;Age_FDR=6.54e−02
Tissue_beta=1.70e−01;Tissue_FDR=1.94e−02
Inter_beta=1.47e−03;Inter_FDR=3.43e−01

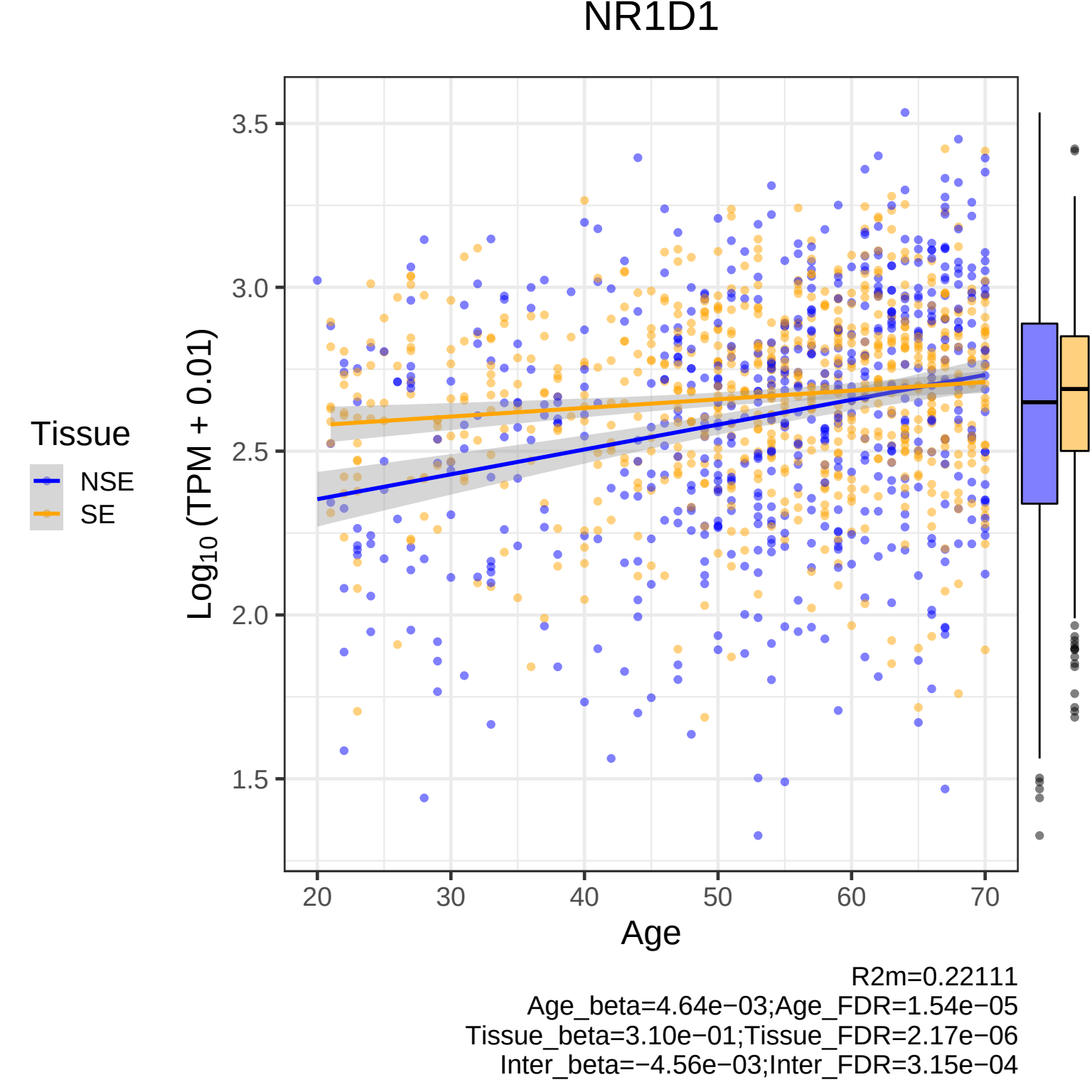

GRIN2D
Tissue
NSE
SE
0.8
0.4
0.0
−0.4
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.2218
Age_beta=−1.10e−03;Age_FDR=1.05e−01
Tissue_beta=7.59e−02;Tissue_FDR=1.07e−01
Inter_beta=1.93e−03;Inter_FDR=2.30e−02

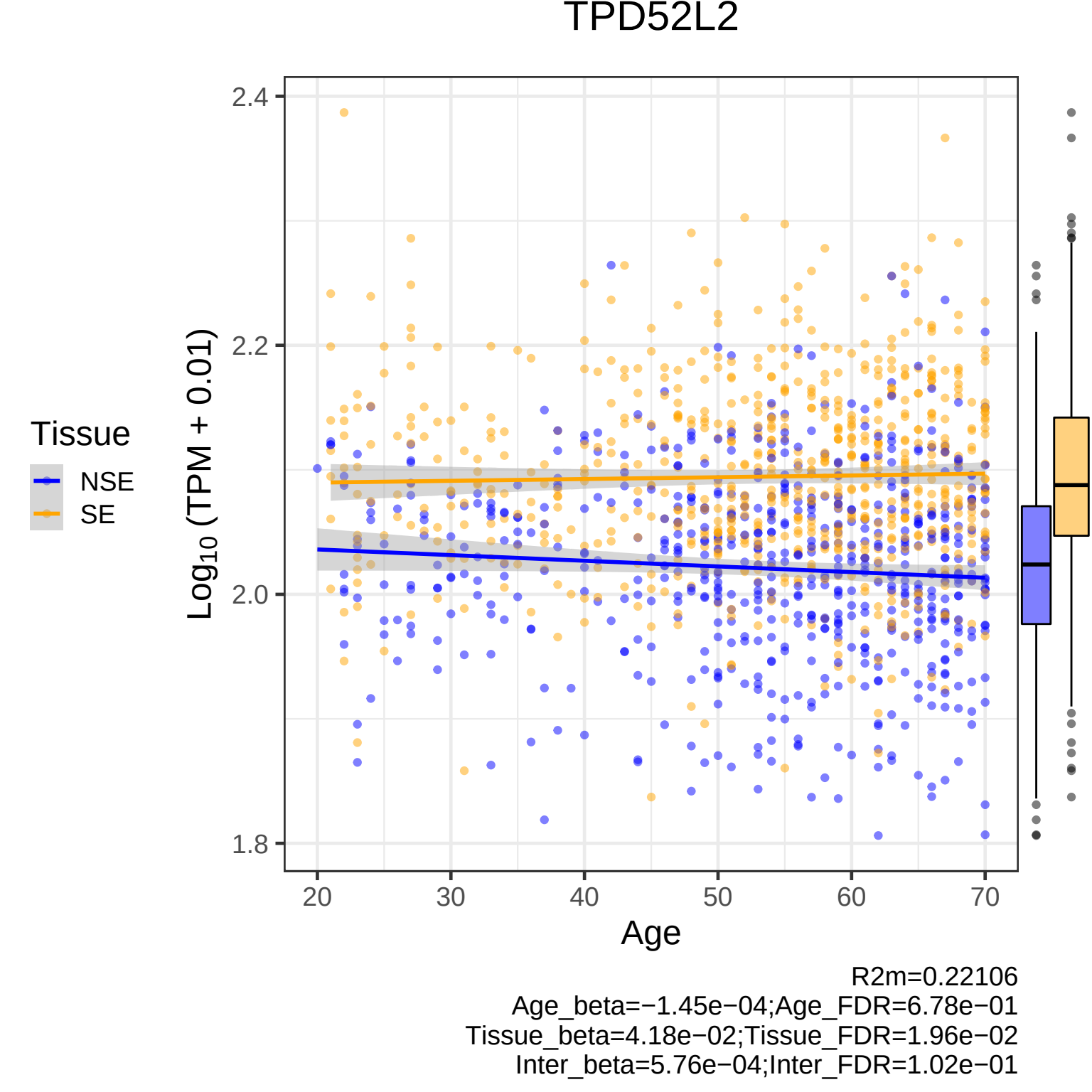


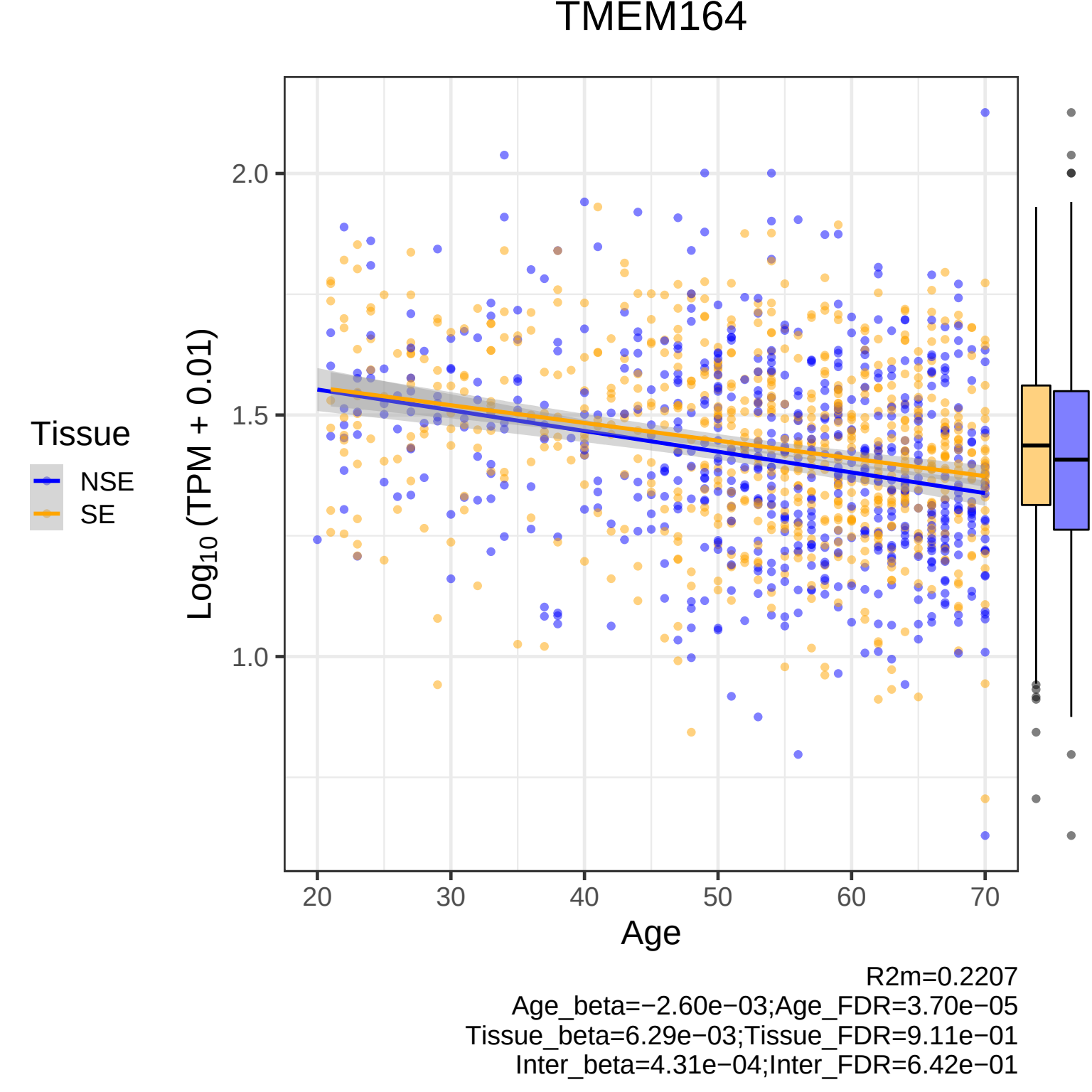

PSKH1
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.6
1.2
0.8
0.4
20
30
40
50
60
70
Age
R2m=0.22123
Age_beta=−3.73e−03;Age_FDR=2.49e−12
Tissue_beta=−1.15e−01;Tissue_FDR=5.92e−04
Inter_beta=3.53e−03;Inter_FDR=1.97e−08

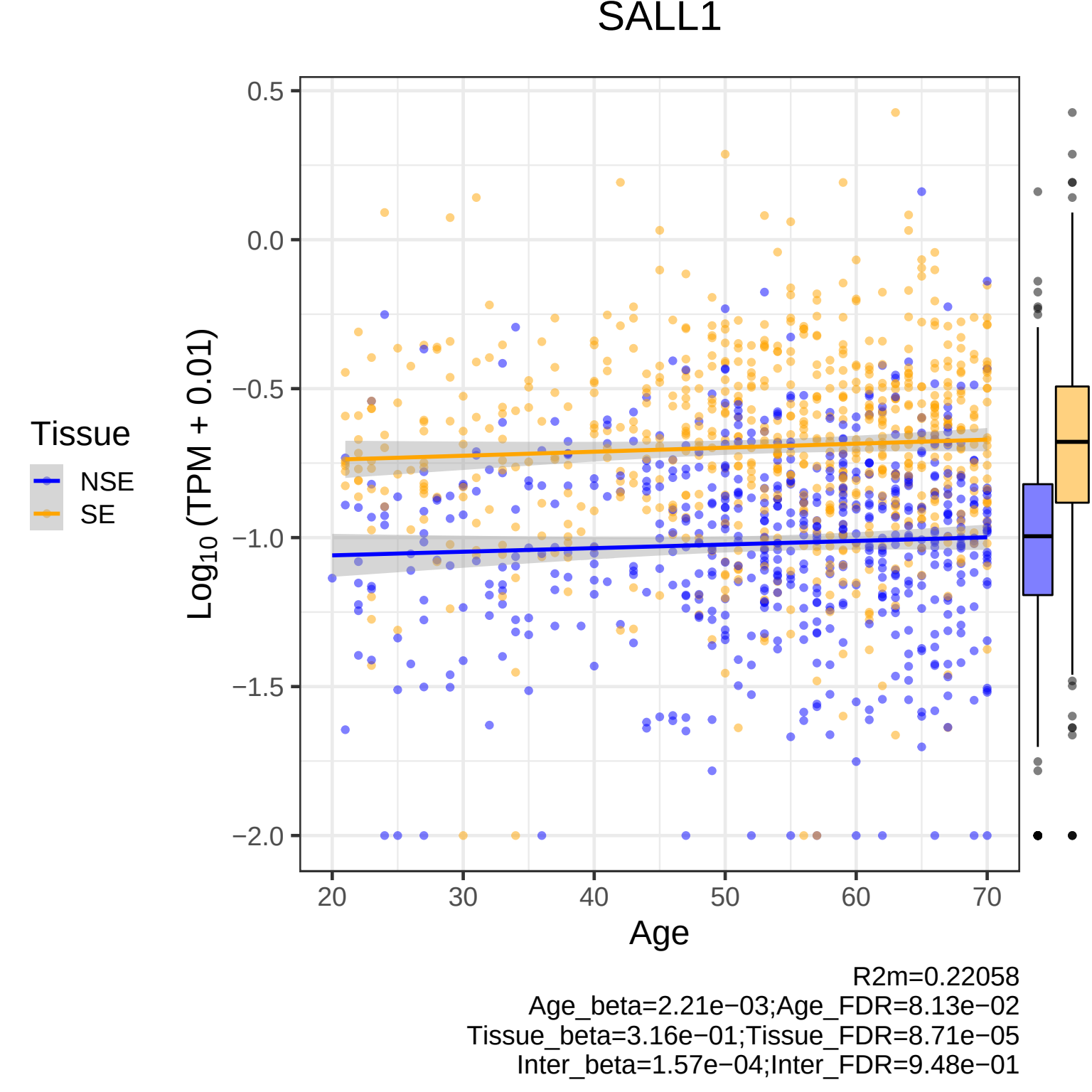

GUCY2C
Tissue
NSE
SE
Log10 (TPM + 0.01)
1
0
−1
20
30
40
50
60
70
Age
R2m=0.22118
Age_beta=4.19e−03;Age_FDR=3.11e−03
Tissue_beta=1.01e−01;Tissue_FDR=2.84e−01
Inter_beta=4.81e−03;Inter_FDR=2.13e−03

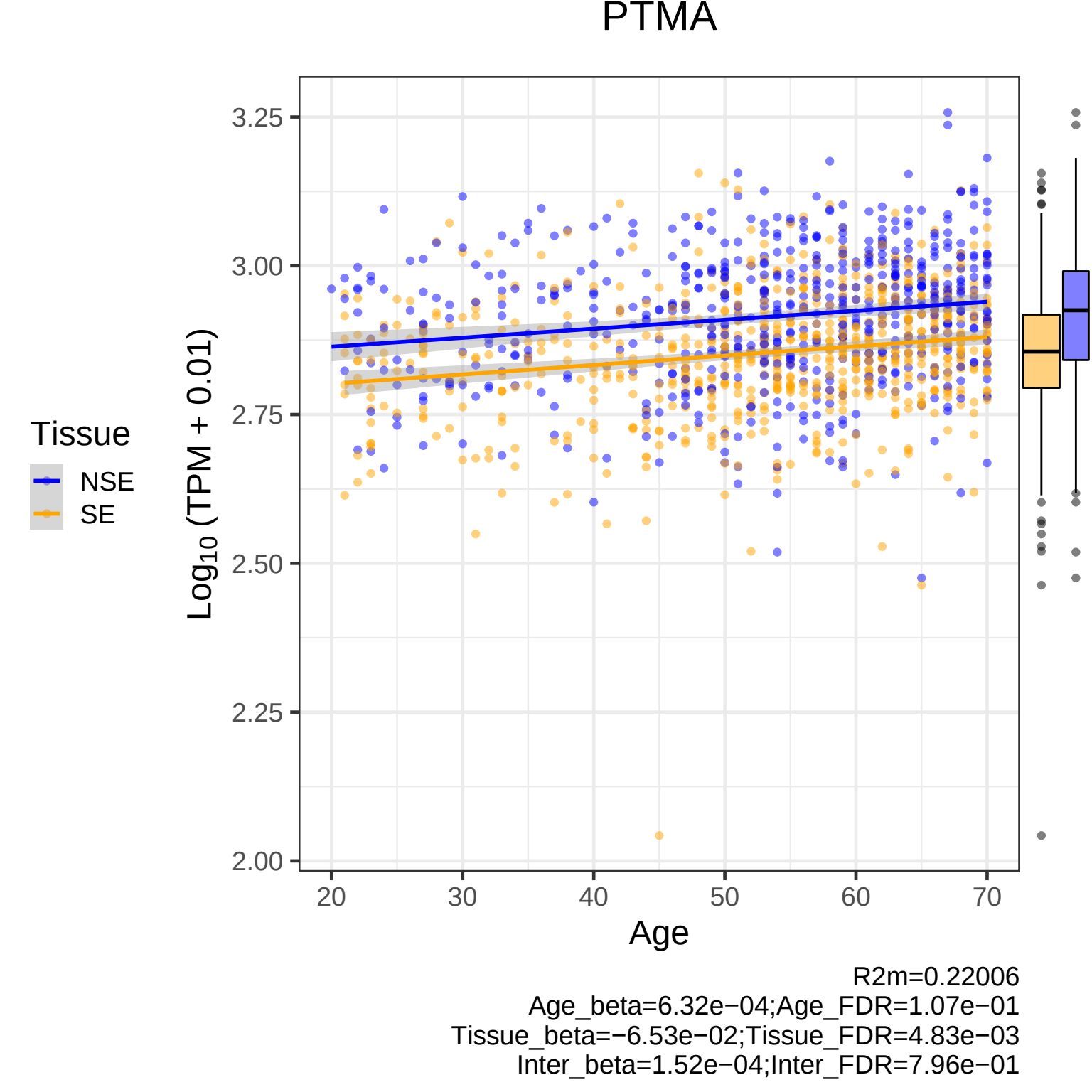

DKK1
Tissue
NSE
SE
Log10 (TPM + 0.01)
2
1
0
−1
20
30
40
50
60
70
Age
R2m=0.22111
Age_beta=−2.63e−03;Age_FDR=2.76e−01
Tissue_beta=−1.85e−01;Tissue_FDR=7.64e−02
Inter_beta=6.61e−03;Inter_FDR=3.04e−04

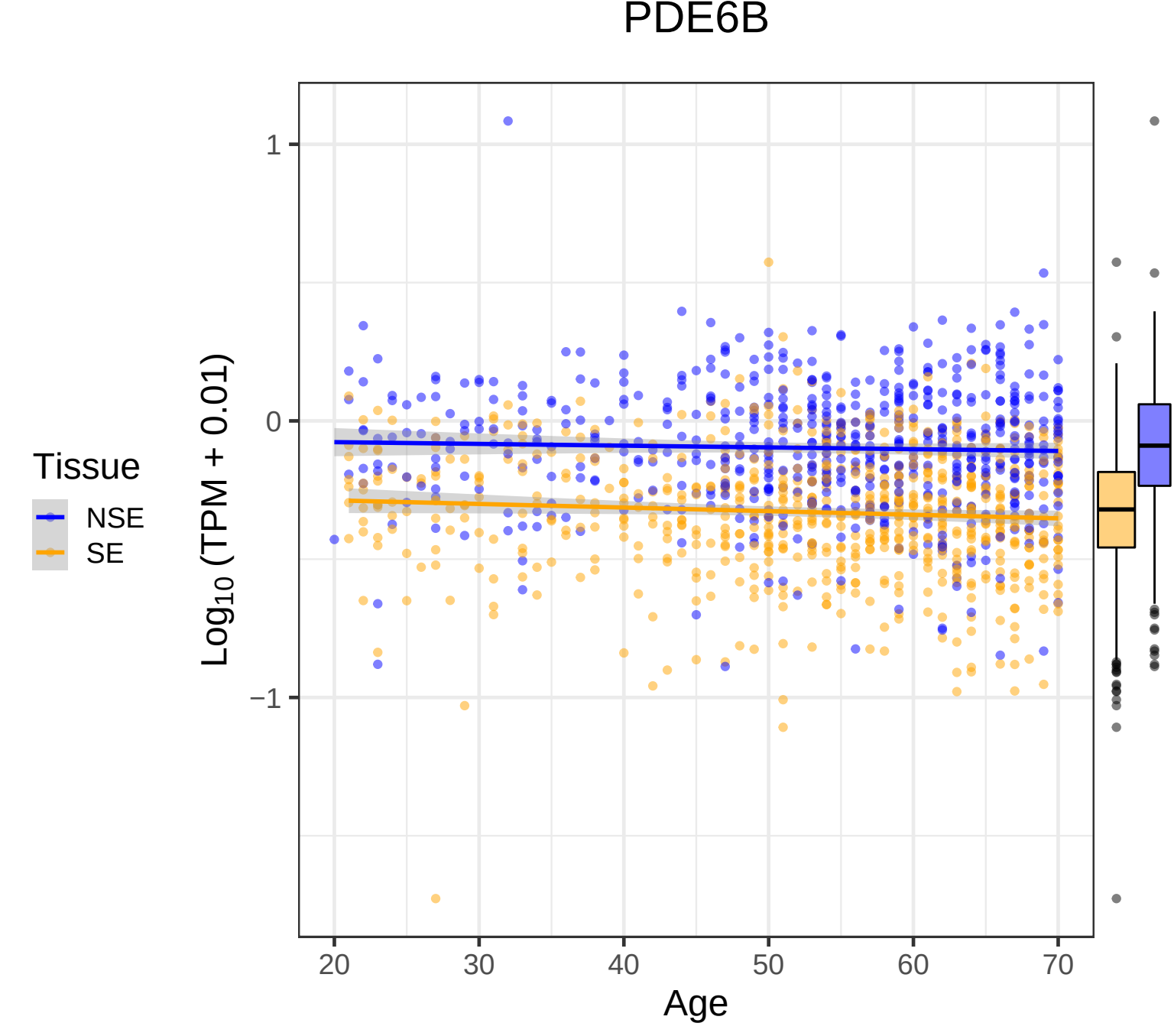

NR1D1
Tissue
NSE
SE
Log10 (TPM + 0.01)
3.5
3.0
2.5
2.0
1.5
20
30
40
50
60
70
Age
R2m=0.22111
Age_beta=4.64e−03;Age_FDR=1.54e−05
Tissue_beta=3.10e−01;Tissue_FDR=2.17e−06
Inter_beta=−4.56e−03;Inter_FDR=3.15e−04

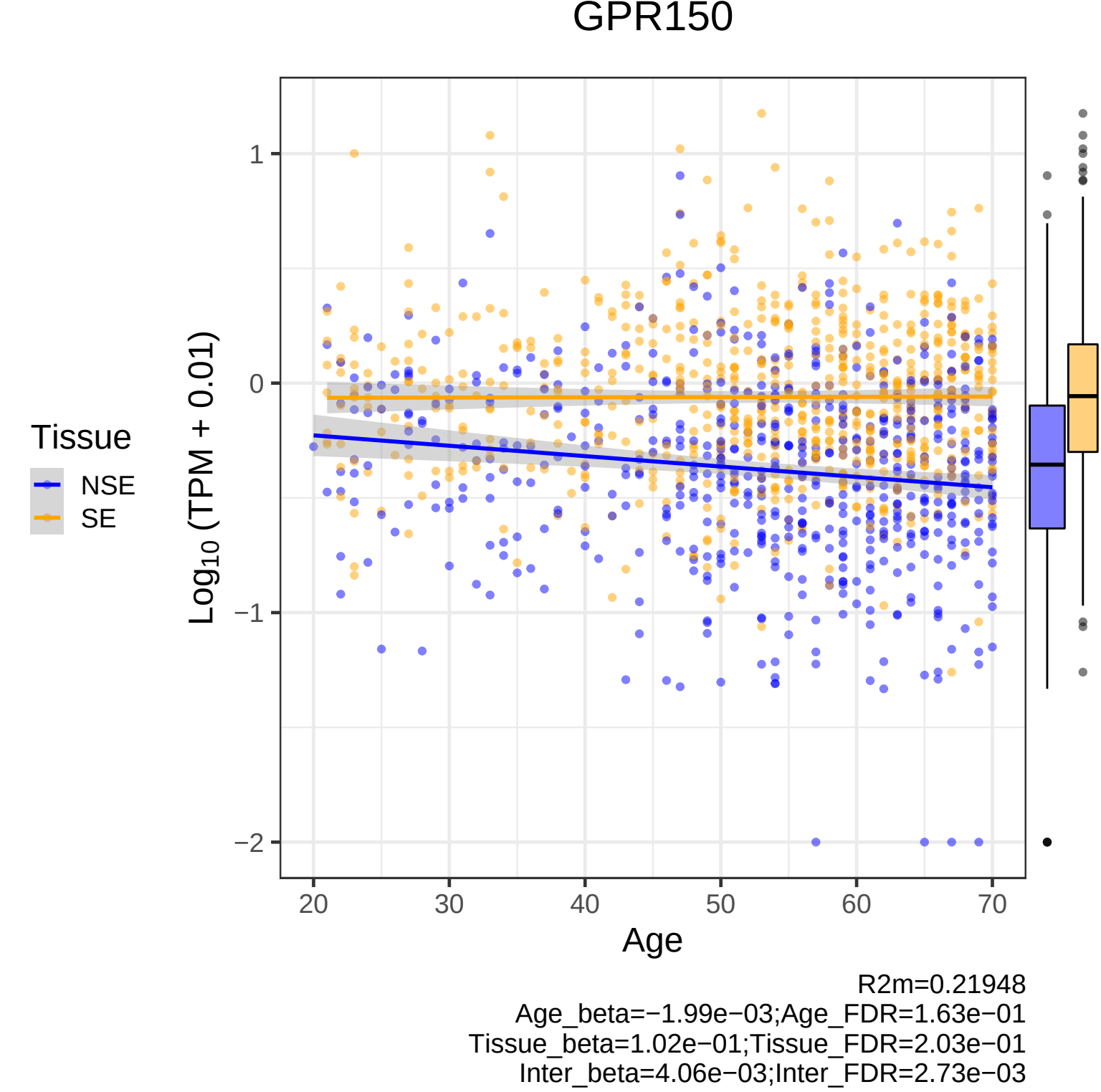

TPD52L2
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.4
2.2
2.0
1.8
20
30
40
50
60
70
Age
R2m=0.22106
Age_beta=−1.45e−04;Age_FDR=6.78e−01
Tissue_beta=4.18e−02;Tissue_FDR=1.96e−02
Inter_beta=5.76e−04;Inter_FDR=1.02e−01

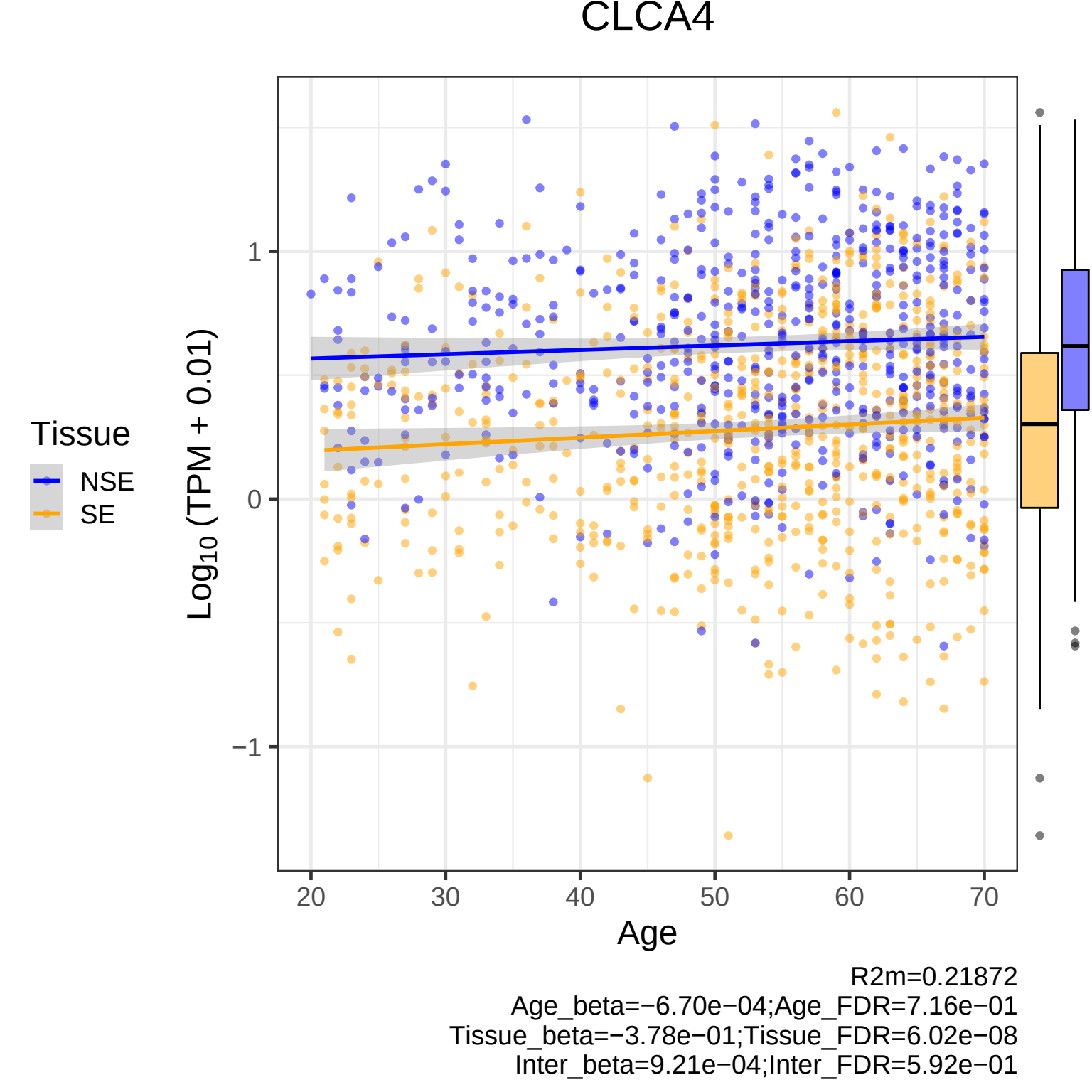

TMEM164
Tissue
NSE
SE
2.0
1.5
1.0
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.2207
Age_beta=−2.60e−03;Age_FDR=3.70e−05
Tissue_beta=6.29e−03;Tissue_FDR=9.11e−01
Inter_beta=4.31e−04;Inter_FDR=6.42e−01

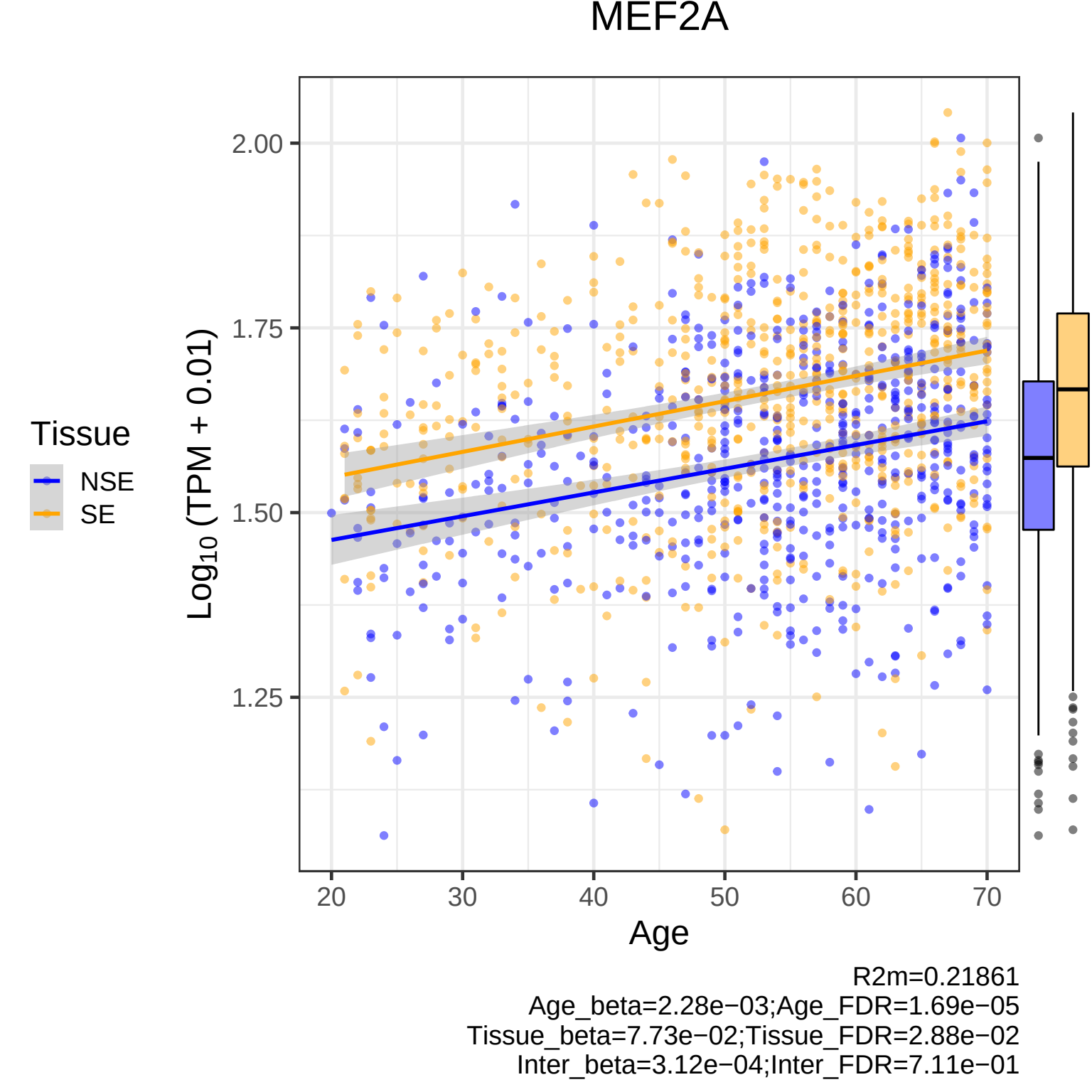

SALL1
Tissue
NSE
SE
Log10 (TPM + 0.01)
0.5
0.0
−0.5
−1.0
−1.5
−2.0
20
30
40
50
60
70
Age
R2m=0.22058
Age_beta=2.21e−03;Age_FDR=8.13e−02
Tissue_beta=3.16e−01;Tissue_FDR=8.71e−05
Inter_beta=1.57e−04;Inter_FDR=9.48e−01

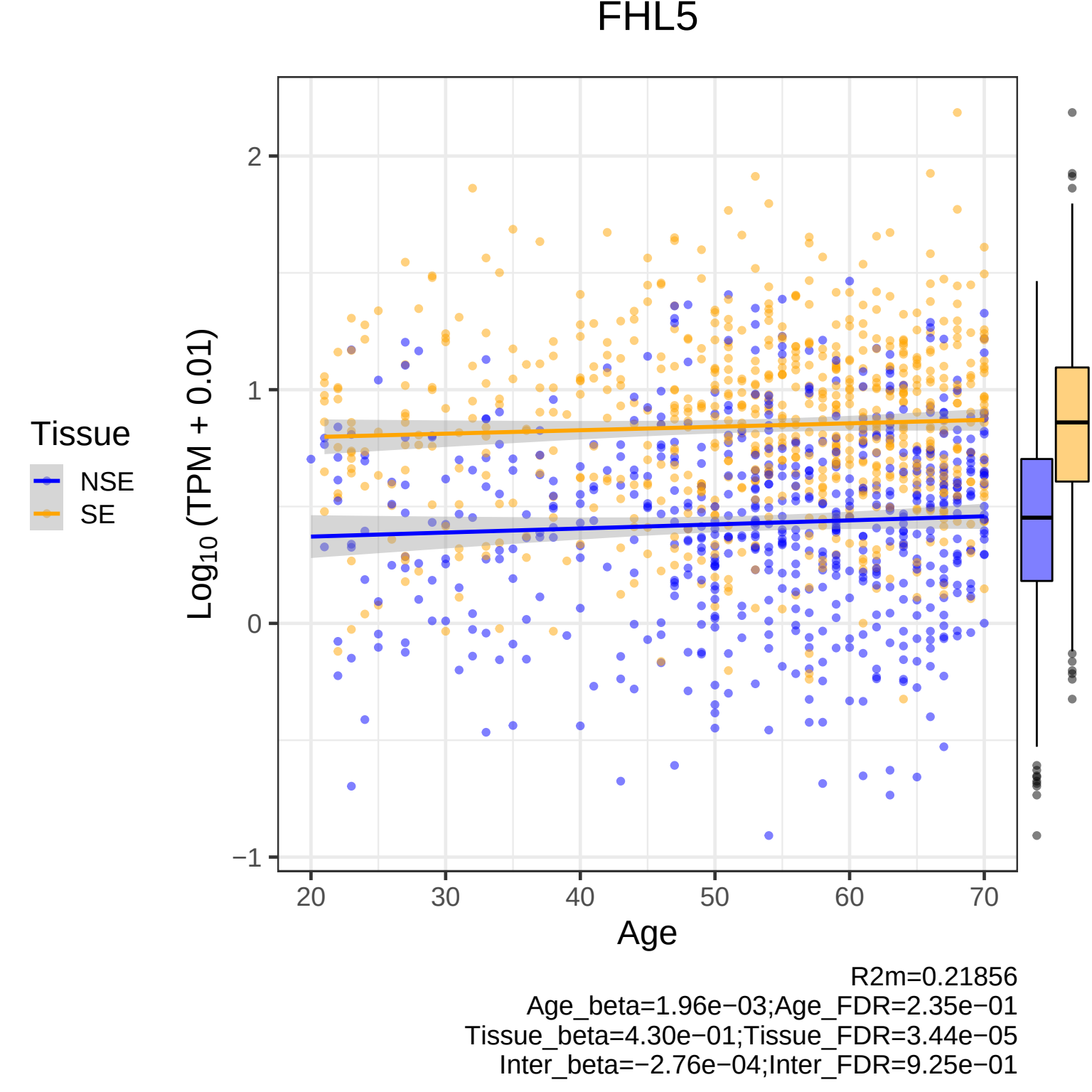

PTMA
Tissue
NSE
SE
3.25
3.00
2.75
2.50
2.25
2.00
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.22006
Age_beta=6.32e−04;Age_FDR=1.07e−01
Tissue_beta=−6.53e−02;Tissue_FDR=4.83e−03
Inter_beta=1.52e−04;Inter_FDR=7.96e−01

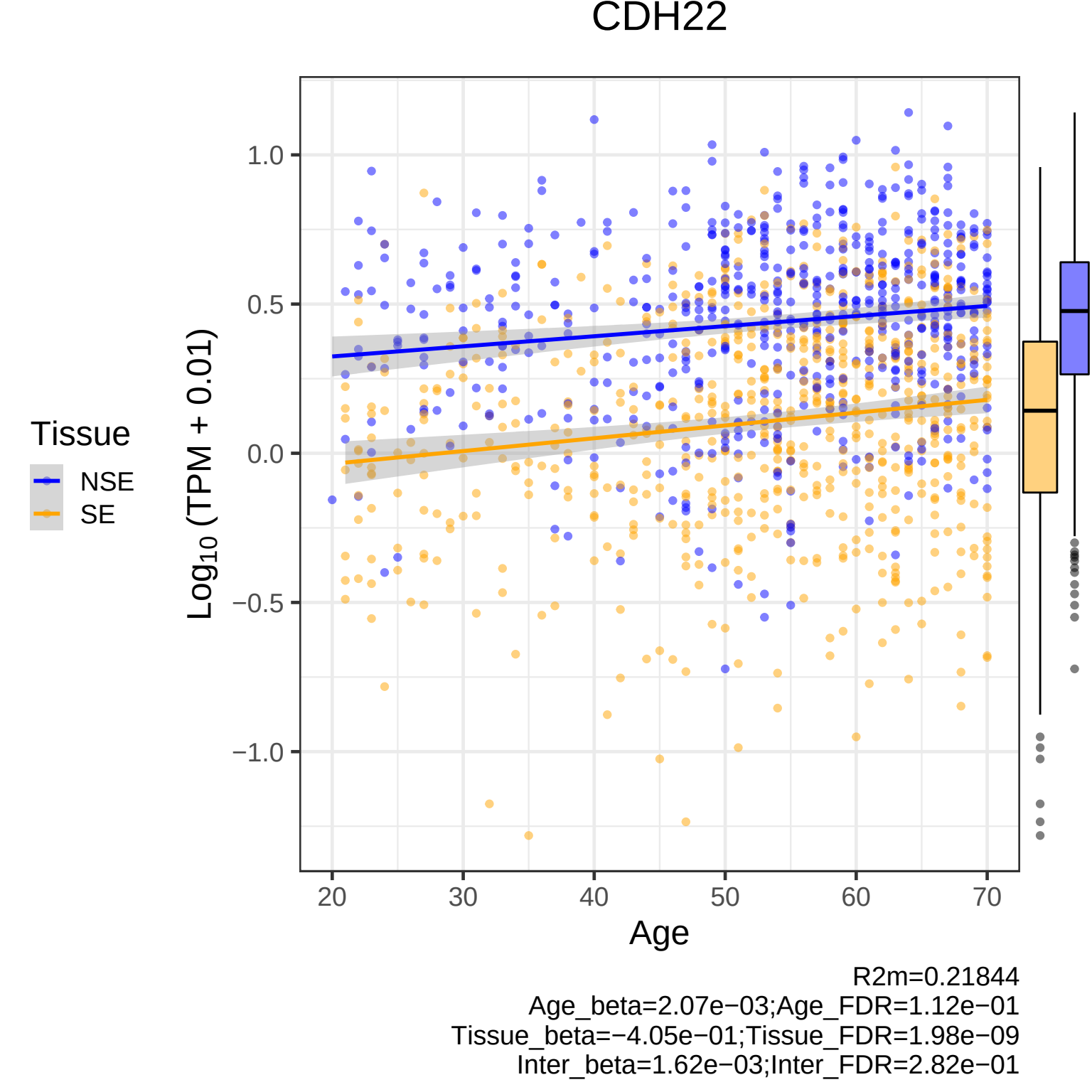

PDE6B
Tissue
NSE
SE
Log10 (TPM + 0.01)
1
0
−1
20
30
40
50
60
70
Age
R2m=0.21984
Age_beta=−9.73e−04;Age_FDR=3.10e−01
Tissue_beta=−2.02e−01;Tissue_FDR=1.28e−04
Inter_beta=−6.36e−04;Inter_FDR=6.20e−01

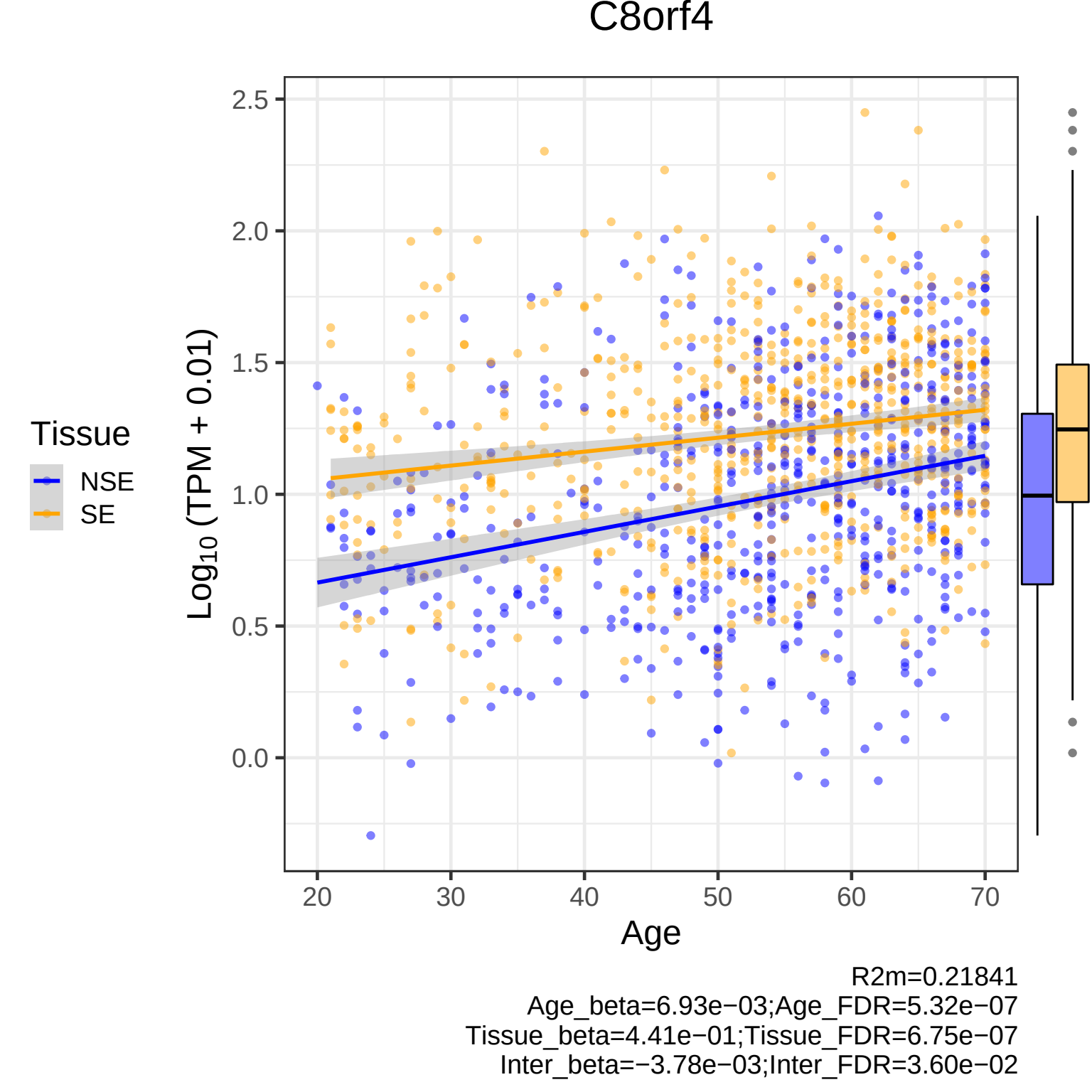

GPR150
Tissue
NSE
SE
Log10 (TPM + 0.01)
1
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.21948
Age_beta=−1.99e−03;Age_FDR=1.63e−01
Tissue_beta=1.02e−01;Tissue_FDR=2.03e−01
Inter_beta=4.06e−03;Inter_FDR=2.73e−03

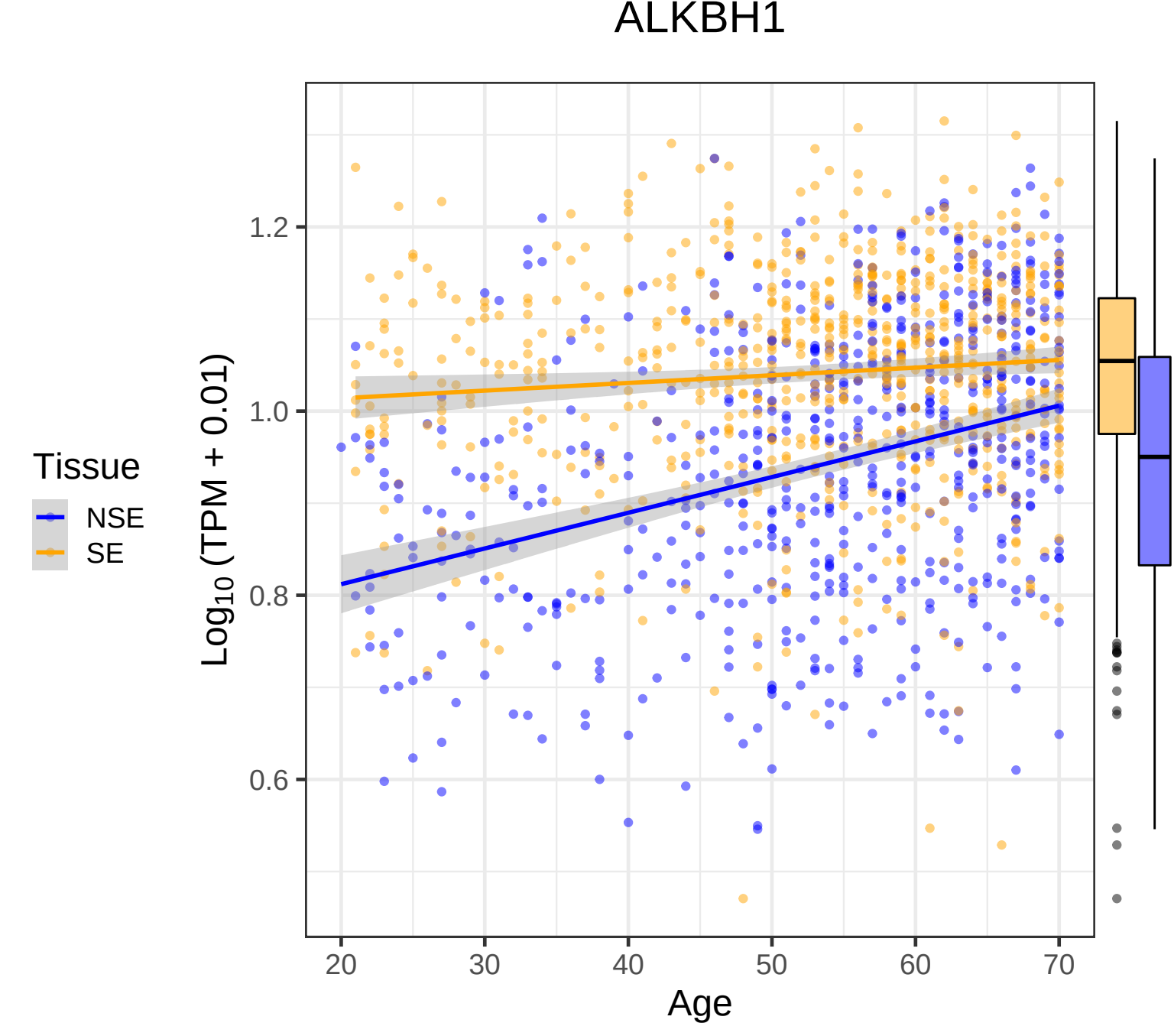

CLCA4
Tissue
NSE
SE
Log10 (TPM + 0.01)
1
0
−1
20
30
40
50
60
70
Age
R2m=0.21872
Age_beta=−6.70e−04;Age_FDR=7.16e−01
Tissue_beta=−3.78e−01;Tissue_FDR=6.02e−08
Inter_beta=9.21e−04;Inter_FDR=5.92e−01

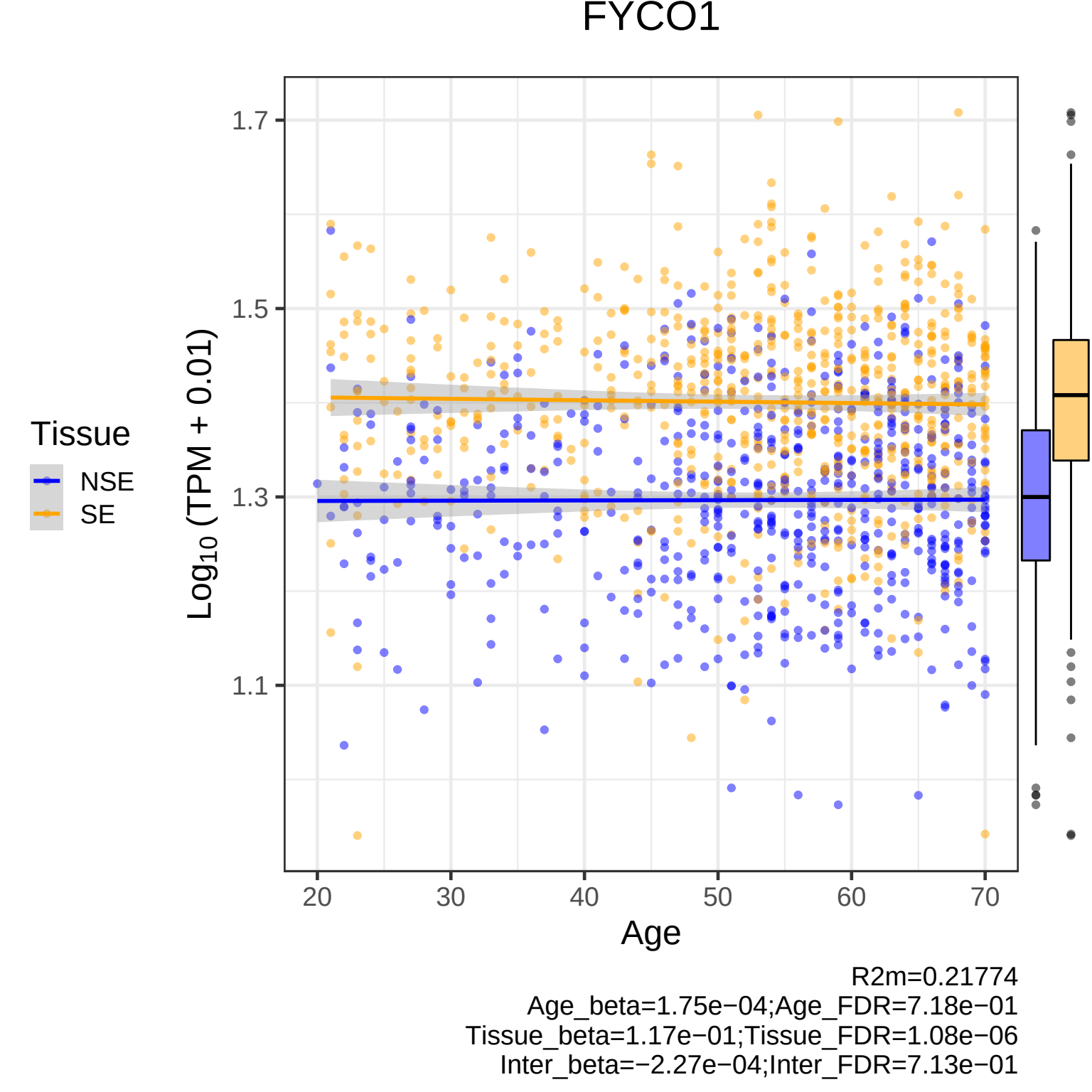

MEF2A
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.00
1.75
1.50
1.25
20
30
40
50
60
70
Age
R2m=0.21861
Age_beta=2.28e−03;Age_FDR=1.69e−05
Tissue_beta=7.73e−02;Tissue_FDR=2.88e−02
Inter_beta=3.12e−04;Inter_FDR=7.11e−01

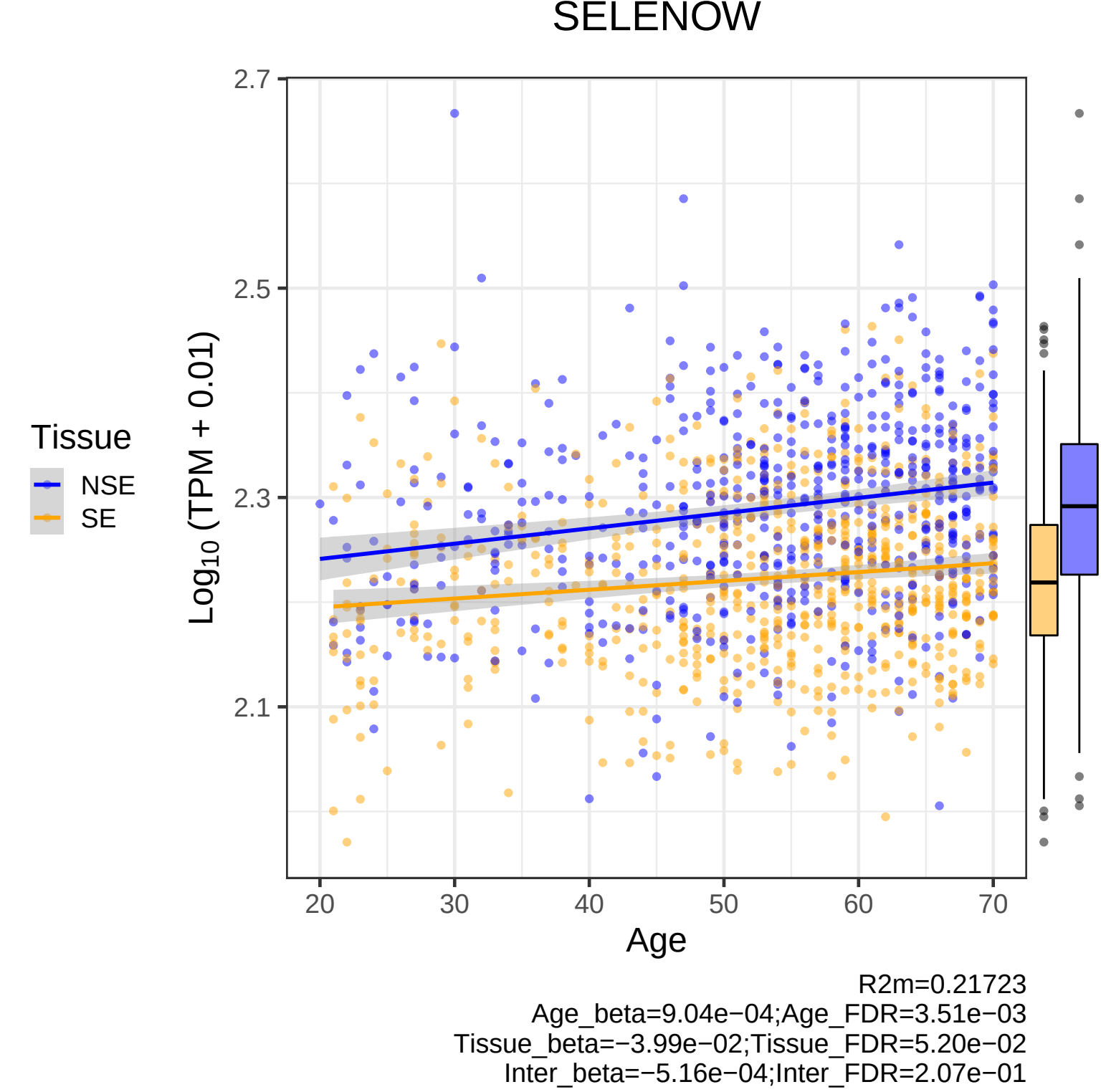

FHL5
Tissue
NSE
SE
Log10 (TPM + 0.01)
2
1
0
−1
20
30
40
50
60
70
Age
R2m=0.21856
Age_beta=1.96e−03;Age_FDR=2.35e−01
Tissue_beta=4.30e−01;Tissue_FDR=3.44e−05
Inter_beta=−2.76e−04;Inter_FDR=9.25e−01

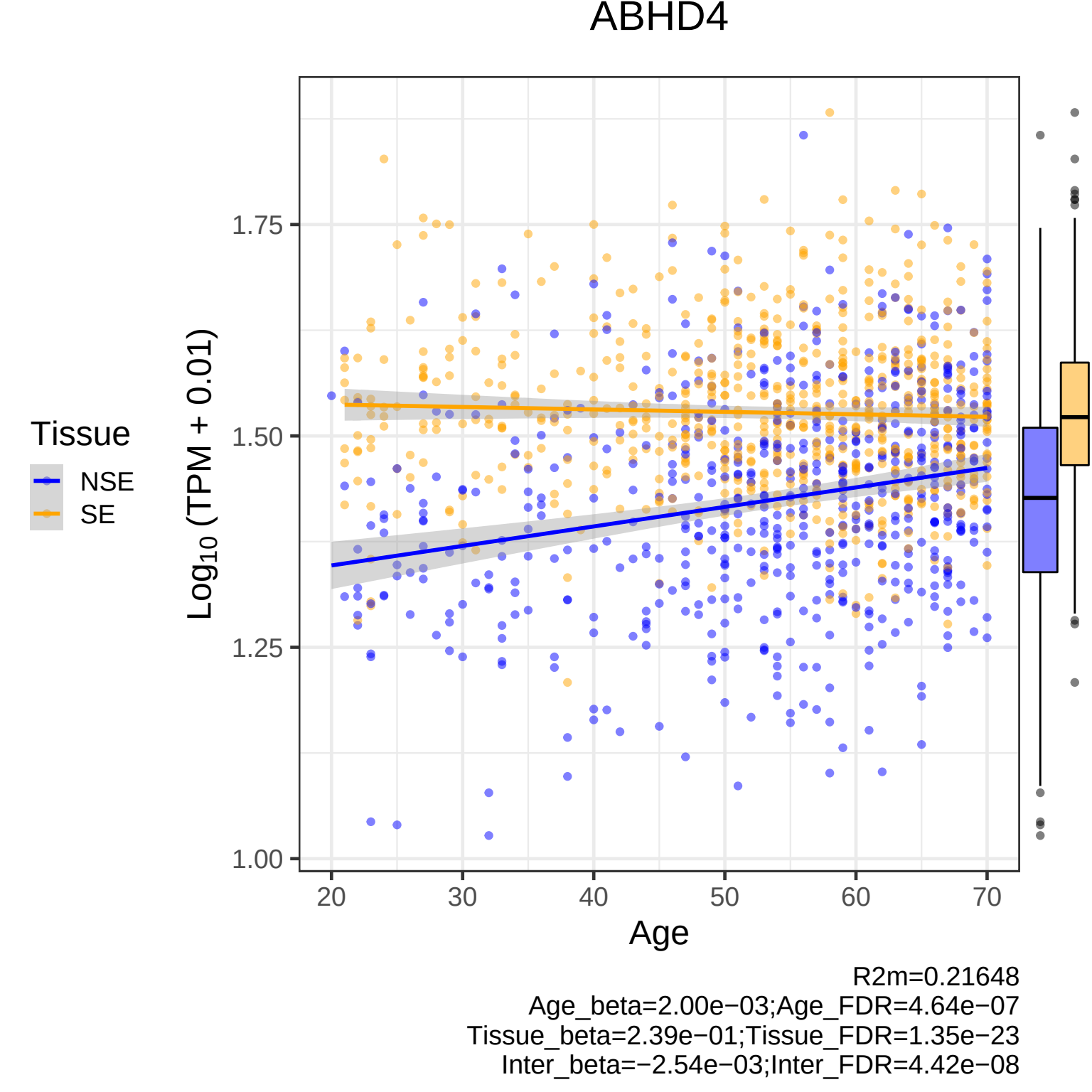

CDH22
Tissue
NSE
SE
1.0
0.5
0.0
−0.5
−1.0
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.21844
Age_beta=2.07e−03;Age_FDR=1.12e−01
Tissue_beta=−4.05e−01;Tissue_FDR=1.98e−09
Inter_beta=1.62e−03;Inter_FDR=2.82e−01

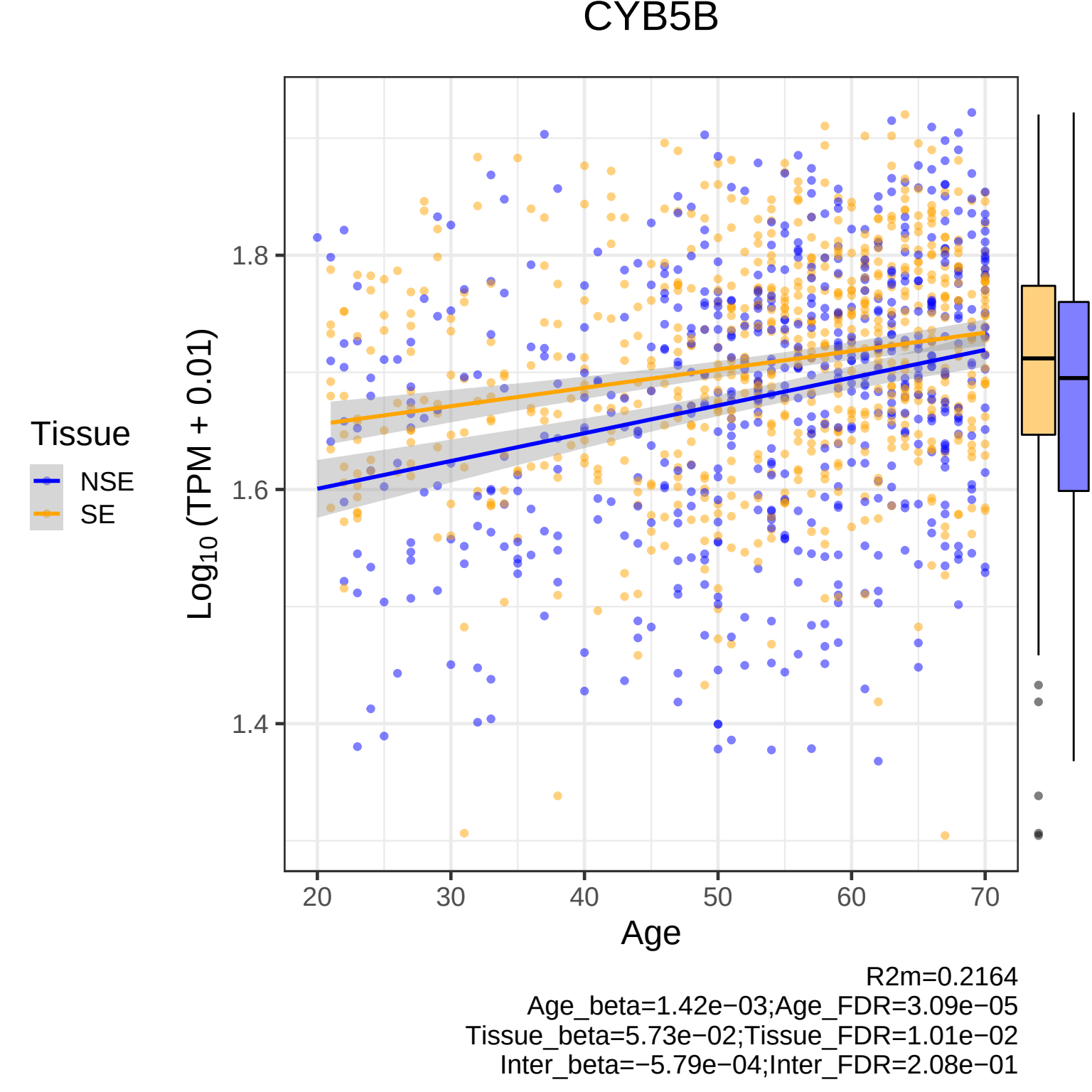

C8orf4
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.5
2.0
1.5
1.0
0.5
0.0
20
30
40
50
60
70
Age
R2m=0.21841
Age_beta=6.93e−03;Age_FDR=5.32e−07
Tissue_beta=4.41e−01;Tissue_FDR=6.75e−07
Inter_beta=−3.78e−03;Inter_FDR=3.60e−02

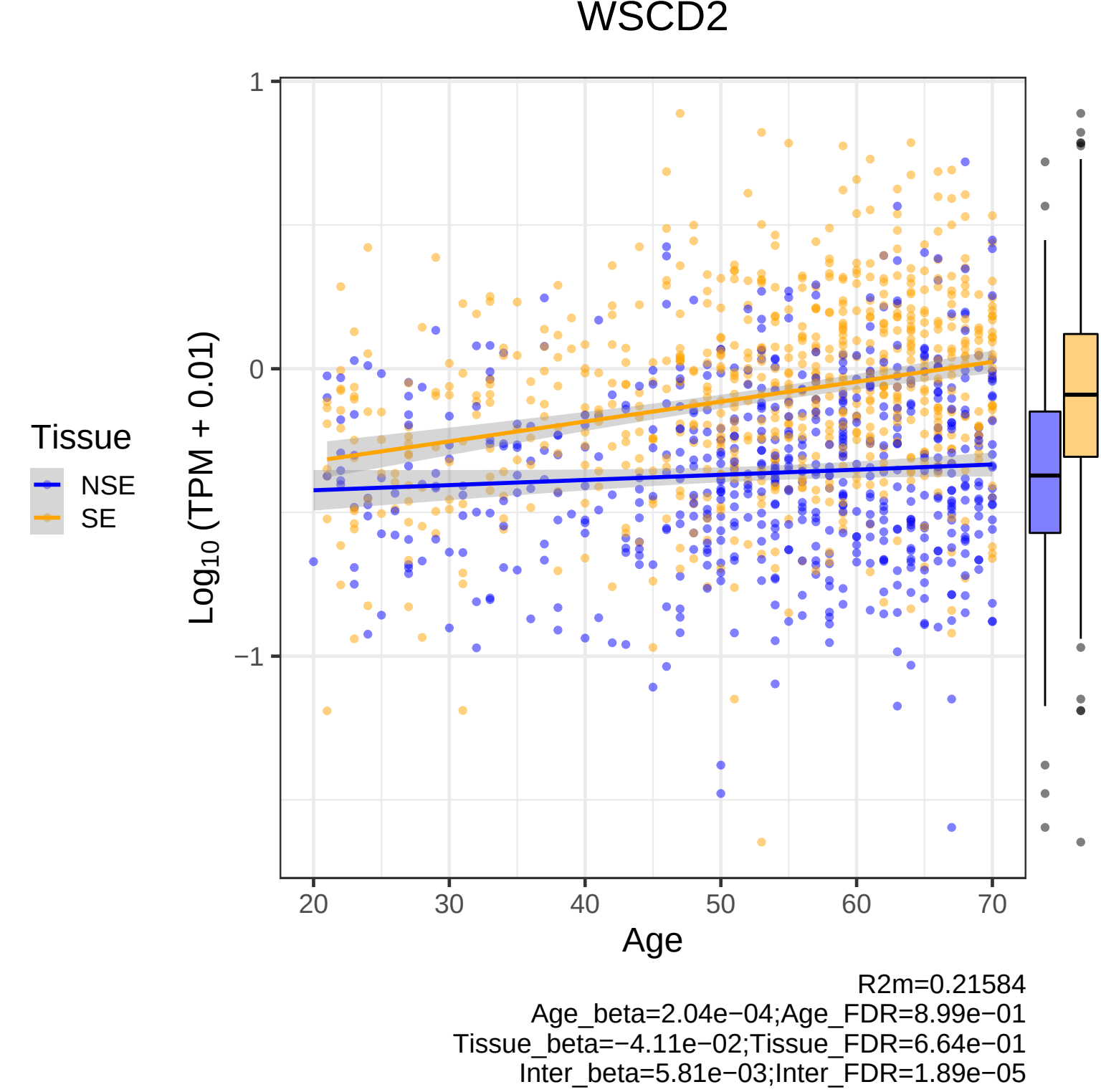

ALKBH1
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.2
1.0
0.8
0.6
20
30
40
50
60
70
Age
R2m=0.21837
Age_beta=3.25e−03;Age_FDR=2.48e−12
Tissue_beta=2.56e−01;Tissue_FDR=5.61e−17
Inter_beta=−2.91e−03;Inter_FDR=9.72e−07

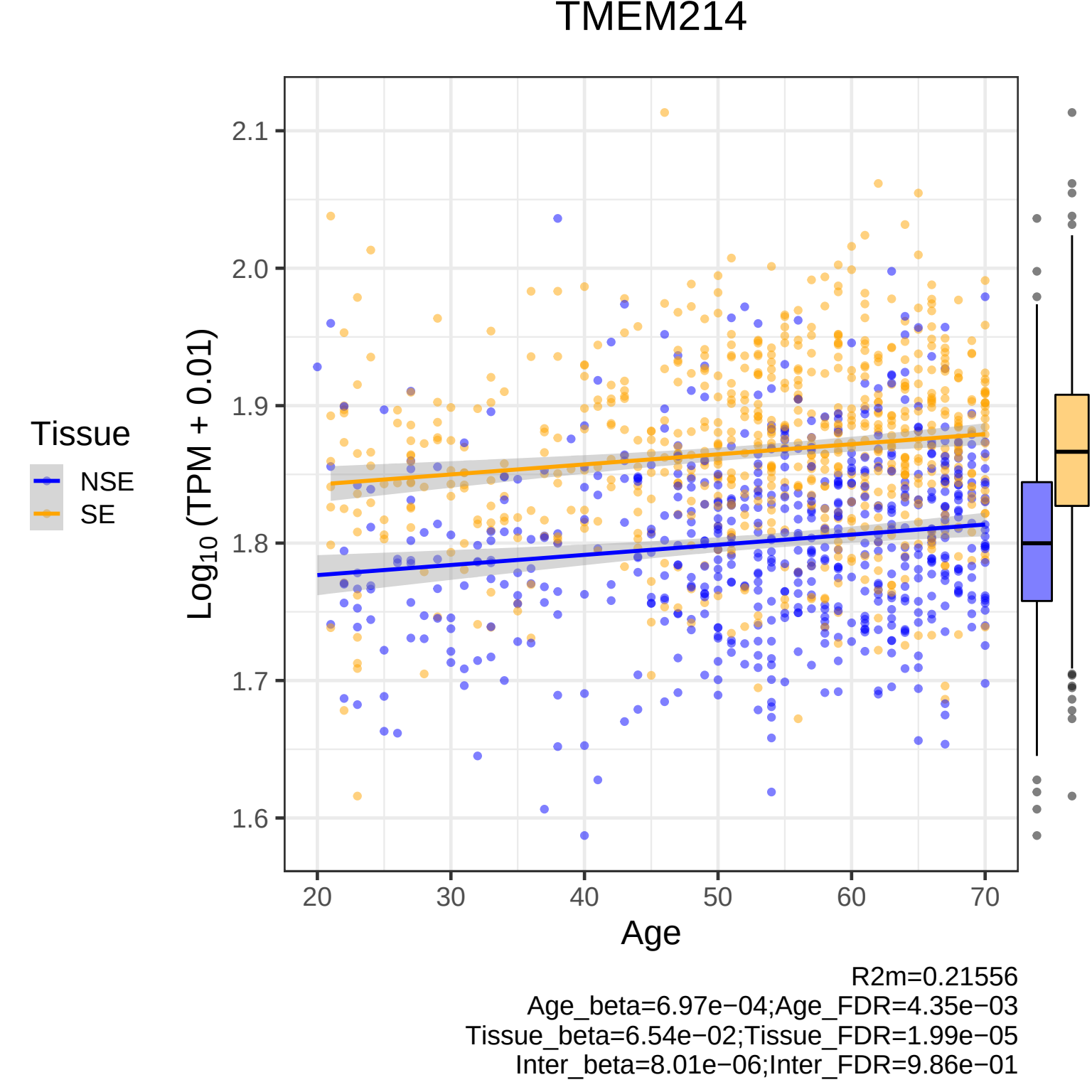

FYCO1
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.7
1.5
1.3
1.1
20
30
40
50
60
70
Age
R2m=0.21774
Age_beta=1.75e−04;Age_FDR=7.18e−01
Tissue_beta=1.17e−01;Tissue_FDR=1.08e−06
Inter_beta=−2.27e−04;Inter_FDR=7.13e−01

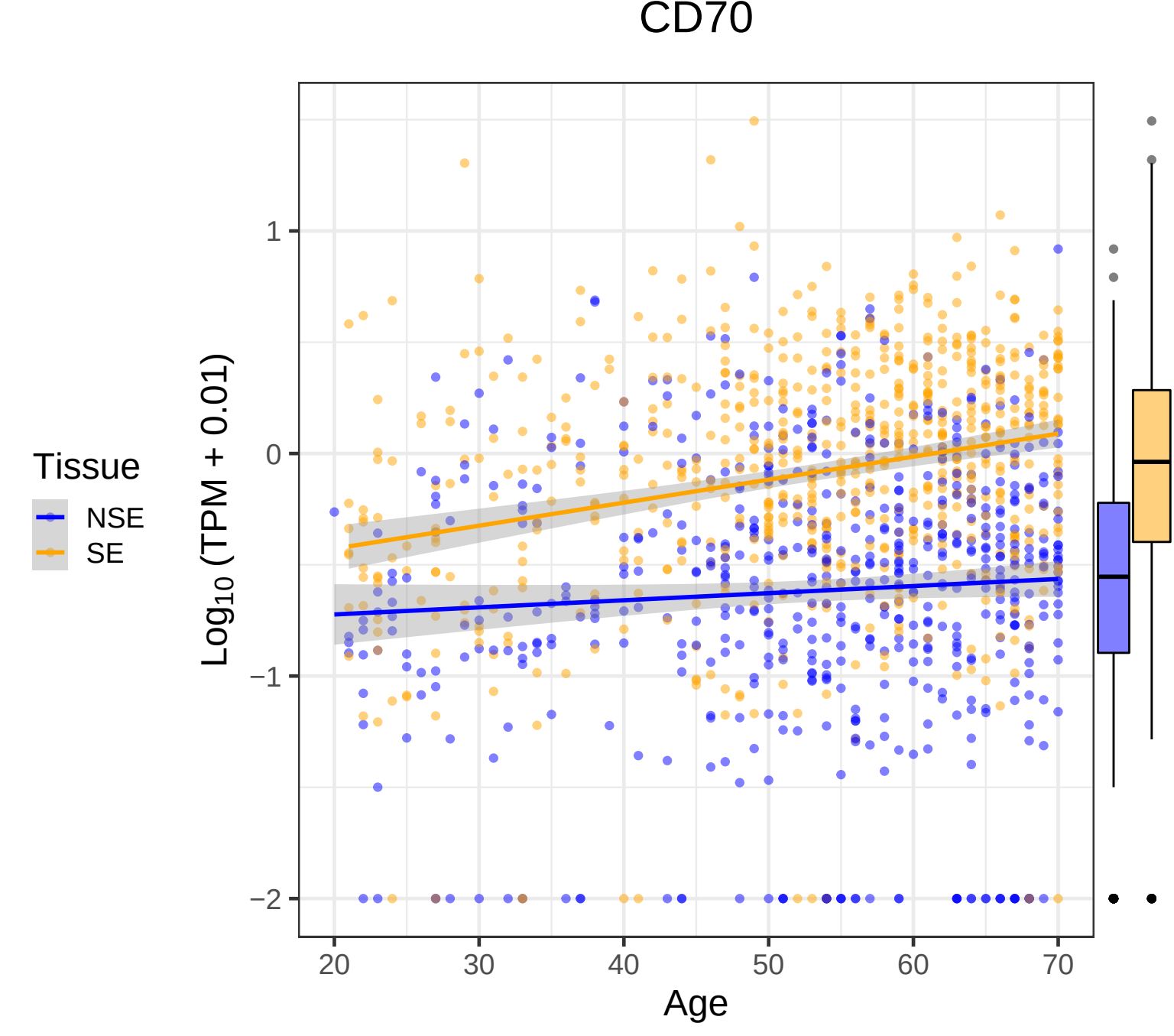

SELENOW
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.7
2.5
2.3
2.1
20
30
40
50
60
70
Age
R2m=0.21723
Age_beta=9.04e−04;Age_FDR=3.51e−03
Tissue_beta=−3.99e−02;Tissue_FDR=5.20e−02
Inter_beta=−5.16e−04;Inter_FDR=2.07e−01

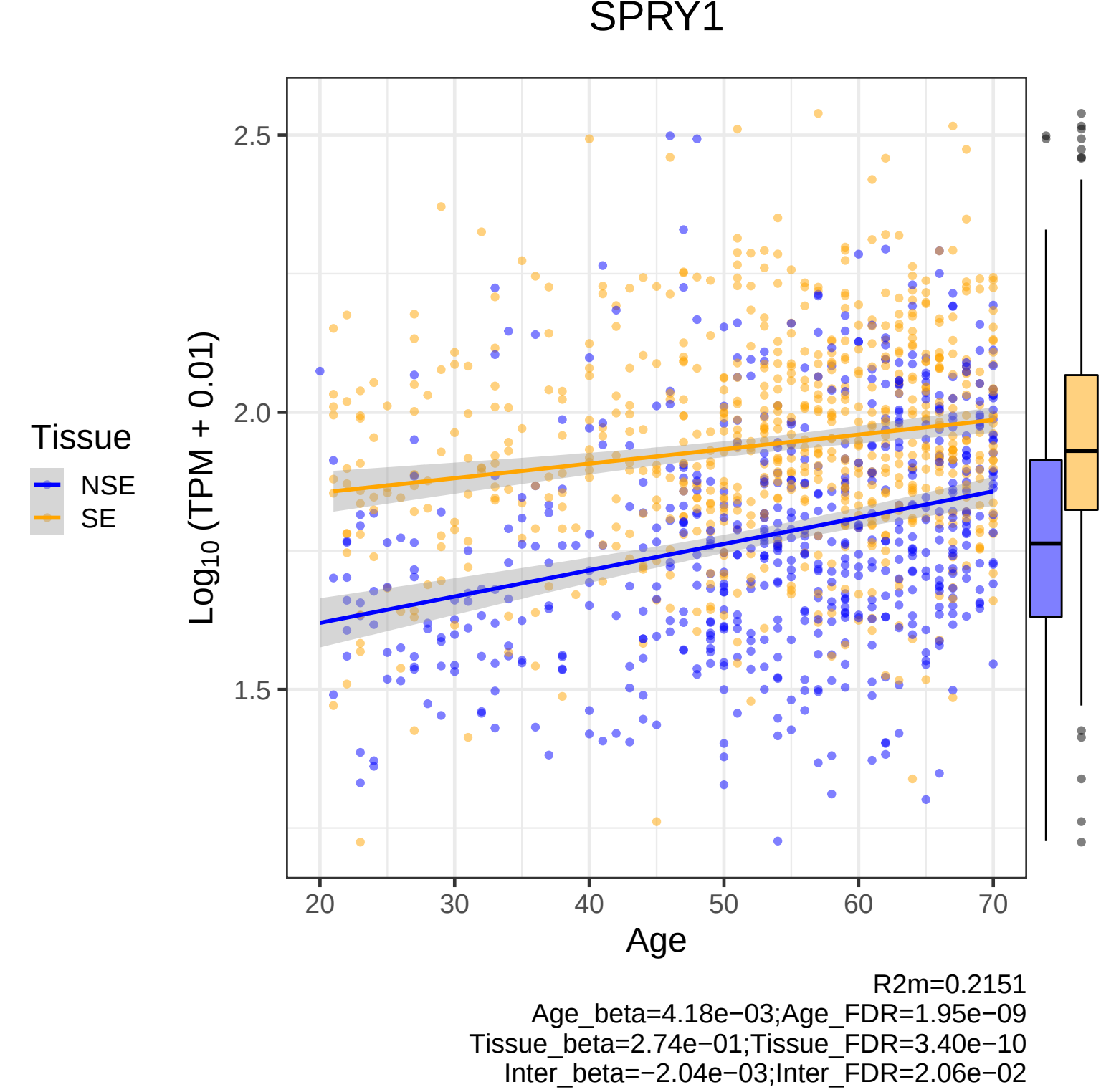

ABHD4
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.75
1.50
1.25
1.00
20
30
40
50
60
70
Age
R2m=0.21648
Age_beta=2.00e−03;Age_FDR=4.64e−07
Tissue_beta=2.39e−01;Tissue_FDR=1.35e−23
Inter_beta=−2.54e−03;Inter_FDR=4.42e−08

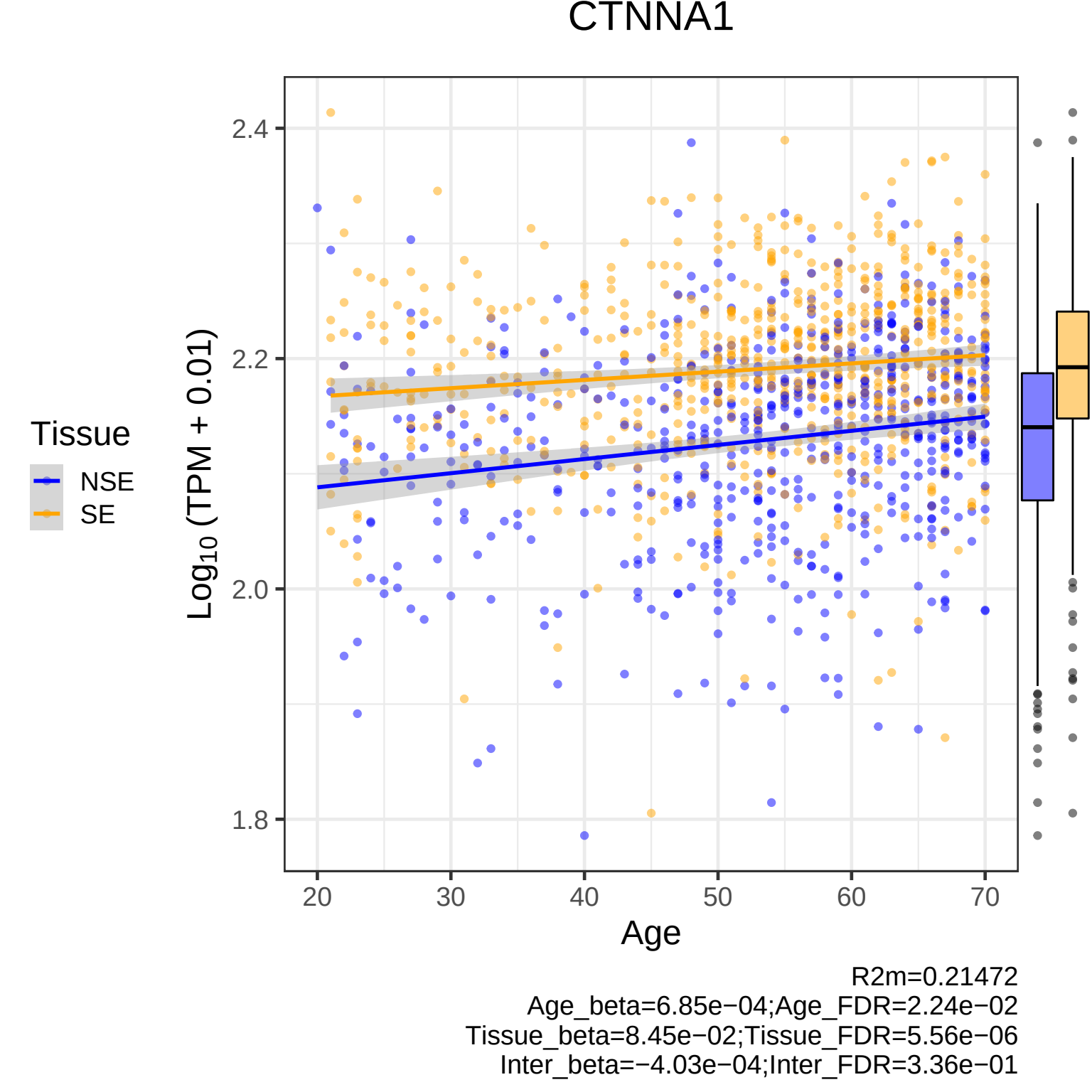

CYB5B
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.8
1.6
1.4
20
30
40
50
60
70
Age
R2m=0.2164
Age_beta=1.42e−03;Age_FDR=3.09e−05
Tissue_beta=5.73e−02;Tissue_FDR=1.01e−02
Inter_beta=−5.79e−04;Inter_FDR=2.08e−01

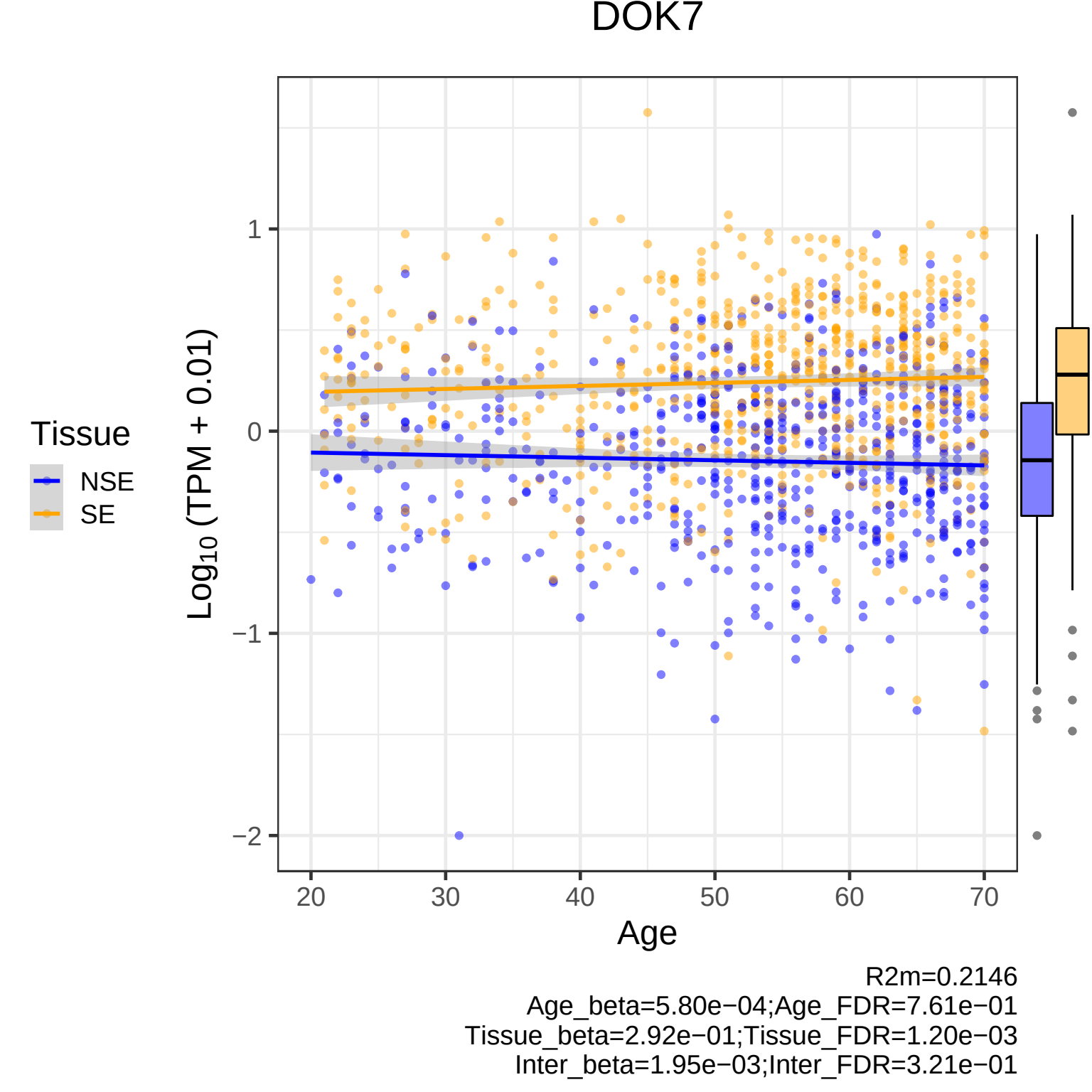

WSCD2
Tissue
NSE
SE
Log10 (TPM + 0.01)
1
0
−1
20
30
40
50
60
70
Age
R2m=0.21584
Age_beta=2.04e−04;Age_FDR=8.99e−01
Tissue_beta=−4.11e−02;Tissue_FDR=6.64e−01
Inter_beta=5.81e−03;Inter_FDR=1.89e−05

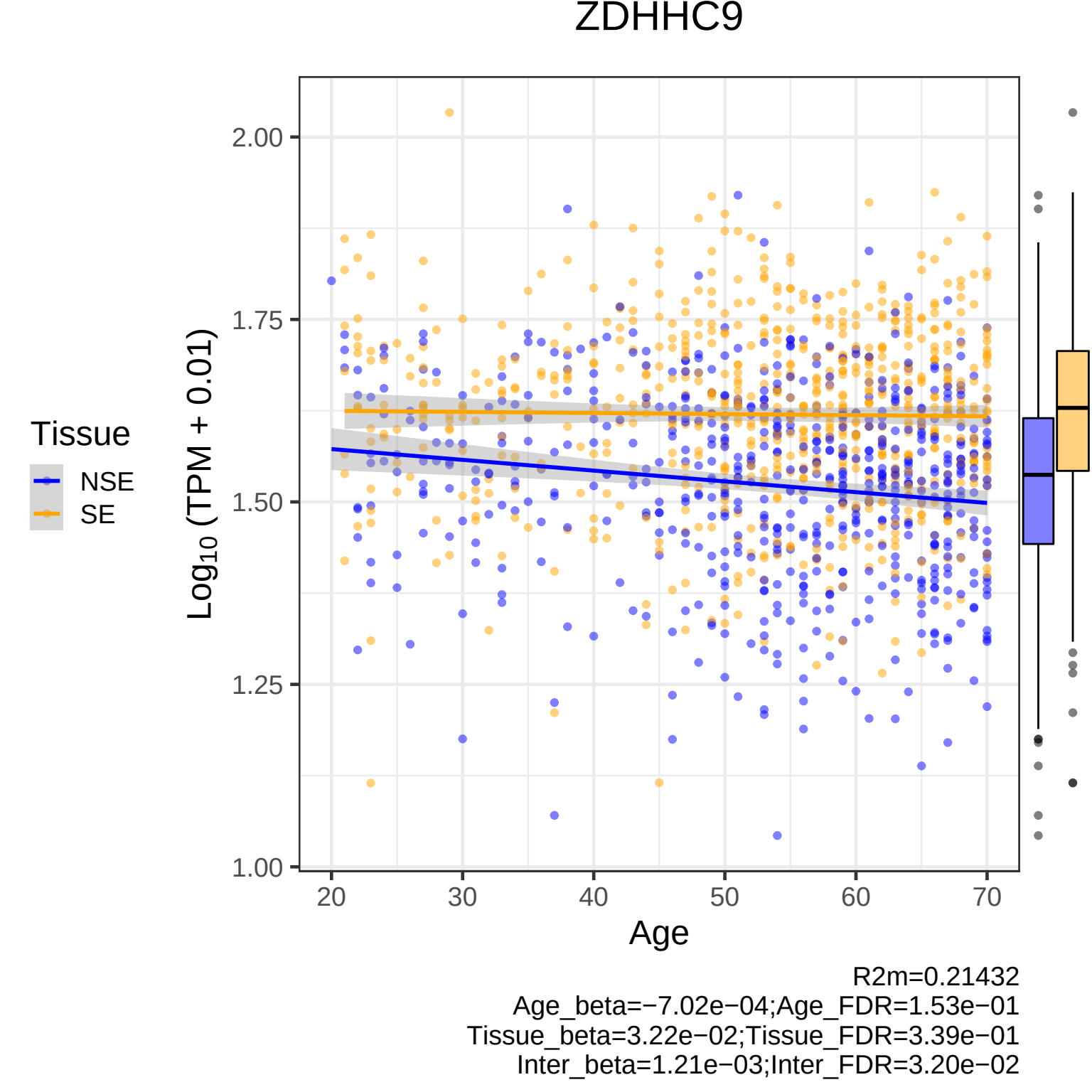

TMEM214
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.1
2.0
1.9
1.8
1.7
1.6
20
30
40
50
60
70
Age
R2m=0.21556
Age_beta=6.97e−04;Age_FDR=4.35e−03
Tissue_beta=6.54e−02;Tissue_FDR=1.99e−05
Inter_beta=8.01e−06;Inter_FDR=9.86e−01

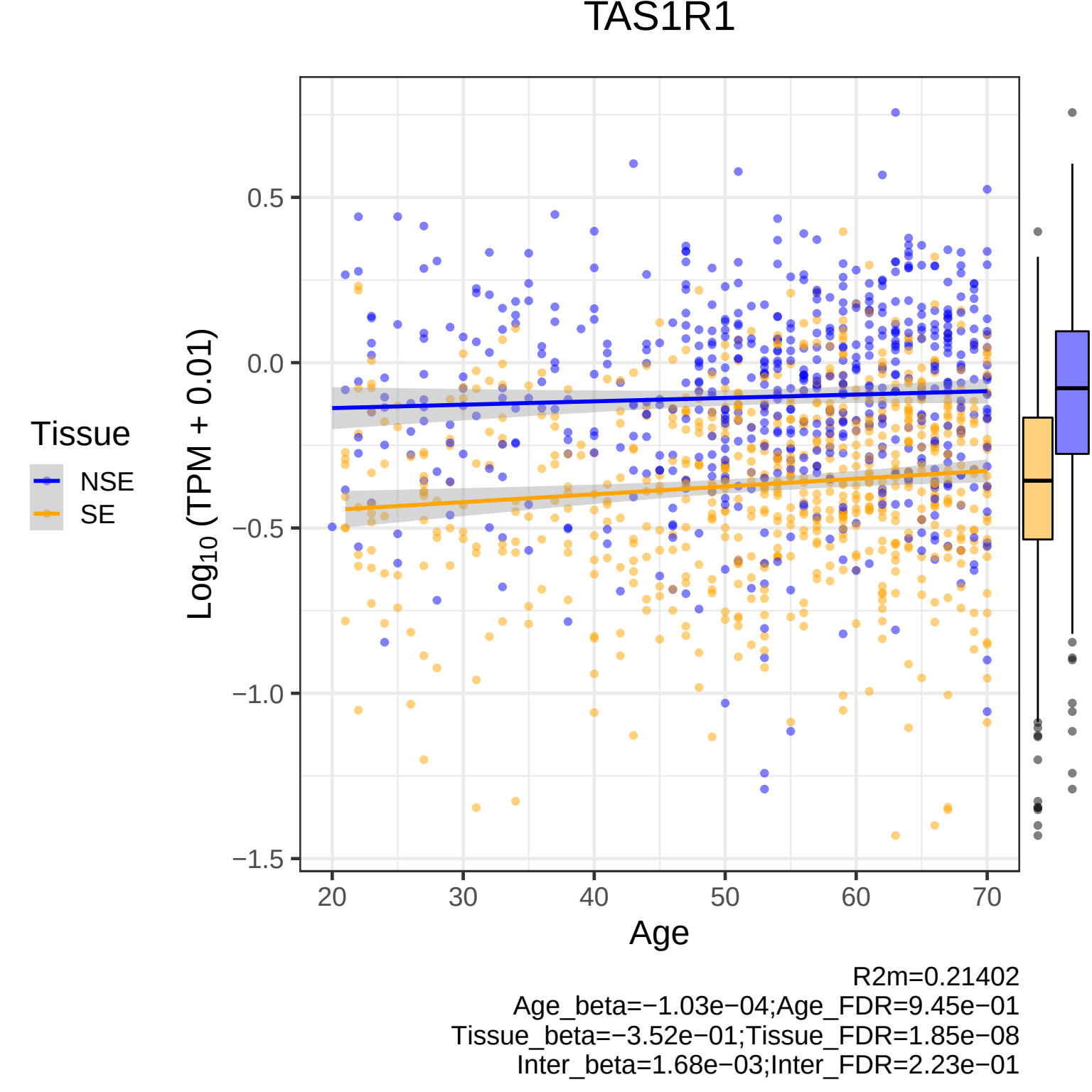

CD70
Tissue
NSE
SE
Log10 (TPM + 0.01)
1
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.21528
Age_beta=1.30e−03;Age_FDR=6.14e−01
Tissue_beta=1.25e−01;Tissue_FDR=4.73e−01
Inter_beta=7.60e−03;Inter_FDR=5.34e−03

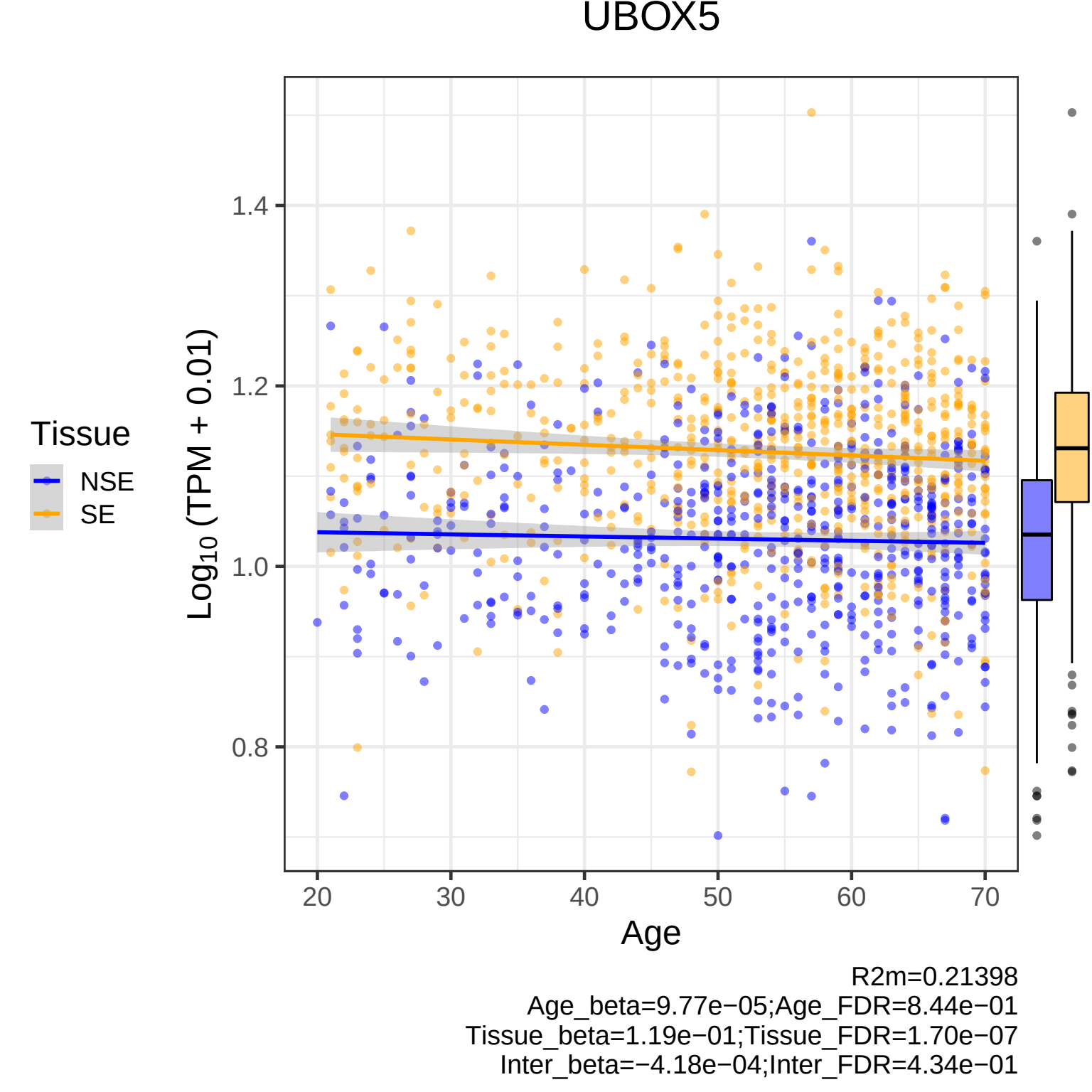

SPRY1
Tissue
NSE
SE
2.5
2.0
1.5
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.2151
Age_beta=4.18e−03;Age_FDR=1.95e−09
Tissue_beta=2.74e−01;Tissue_FDR=3.40e−10
Inter_beta=−2.04e−03;Inter_FDR=2.06e−02

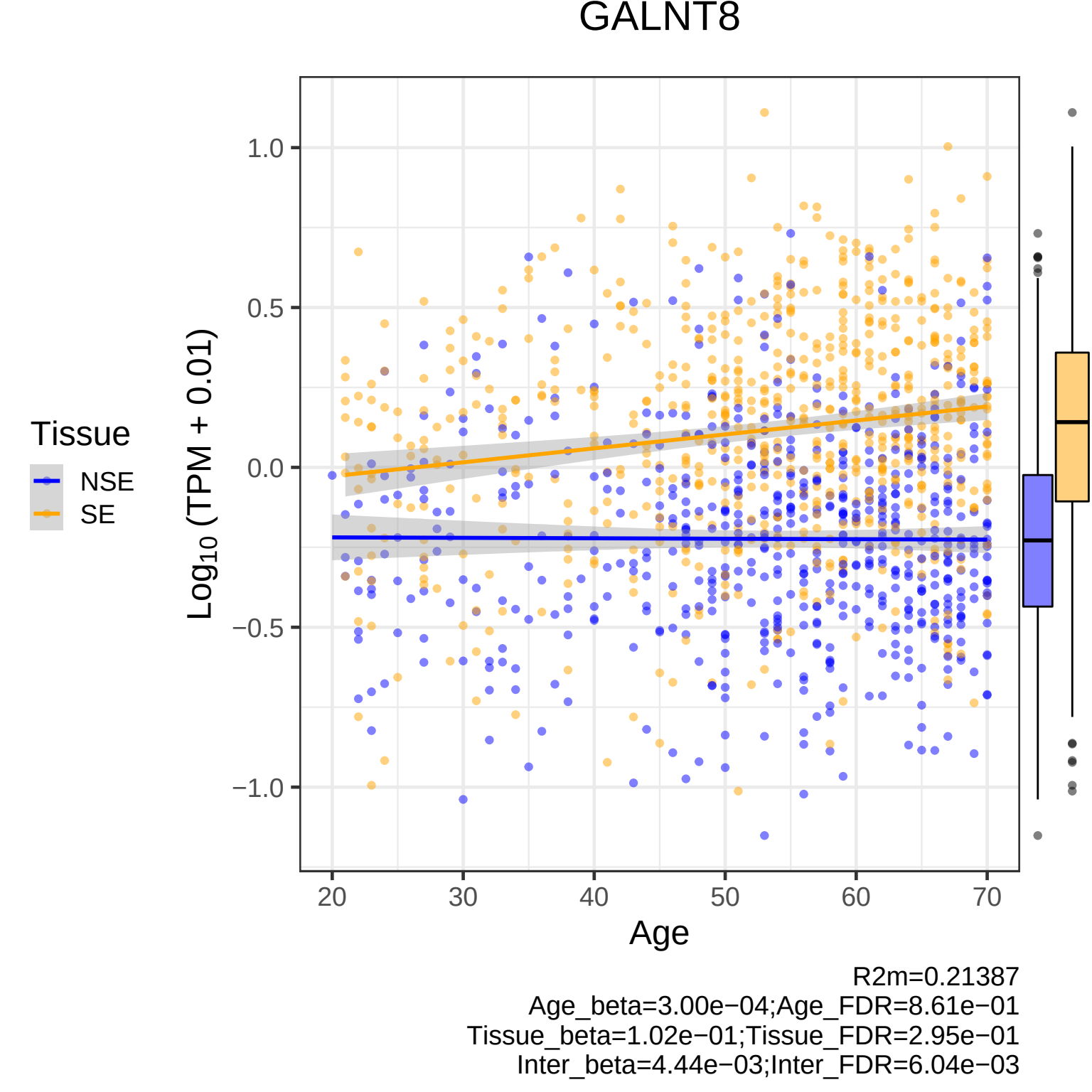

CTNNA1
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.4
2.2
2.0
1.8
20
30
40
50
60
70
Age
R2m=0.21472
Age_beta=6.85e−04;Age_FDR=2.24e−02
Tissue_beta=8.45e−02;Tissue_FDR=5.56e−06
Inter_beta=−4.03e−04;Inter_FDR=3.36e−01

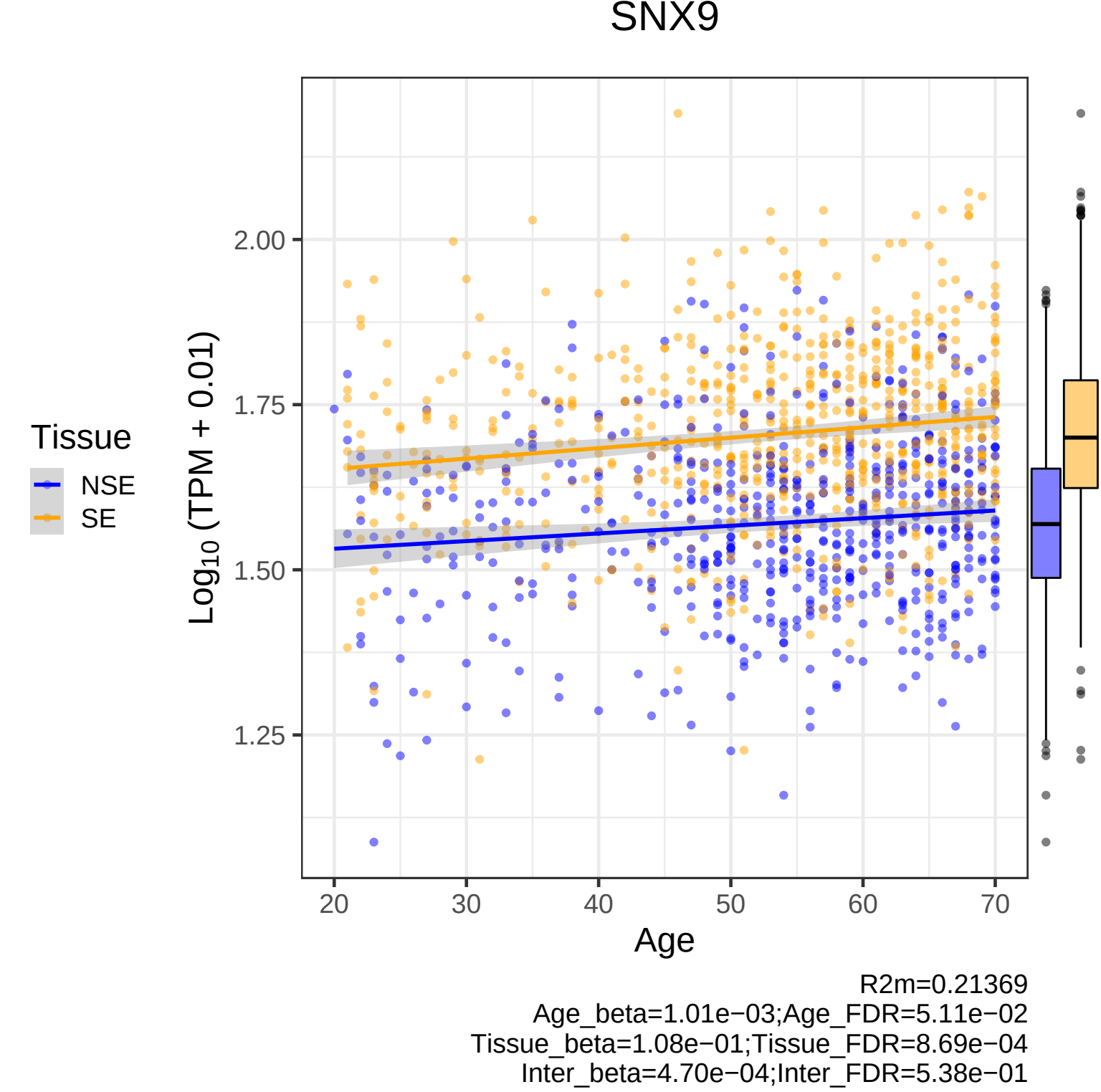

DOK7
Tissue
NSE
SE
Log10 (TPM + 0.01)
1
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.2146
Age_beta=5.80e−04;Age_FDR=7.61e−01
Tissue_beta=2.92e−01;Tissue_FDR=1.20e−03
Inter_beta=1.95e−03;Inter_FDR=3.21e−01

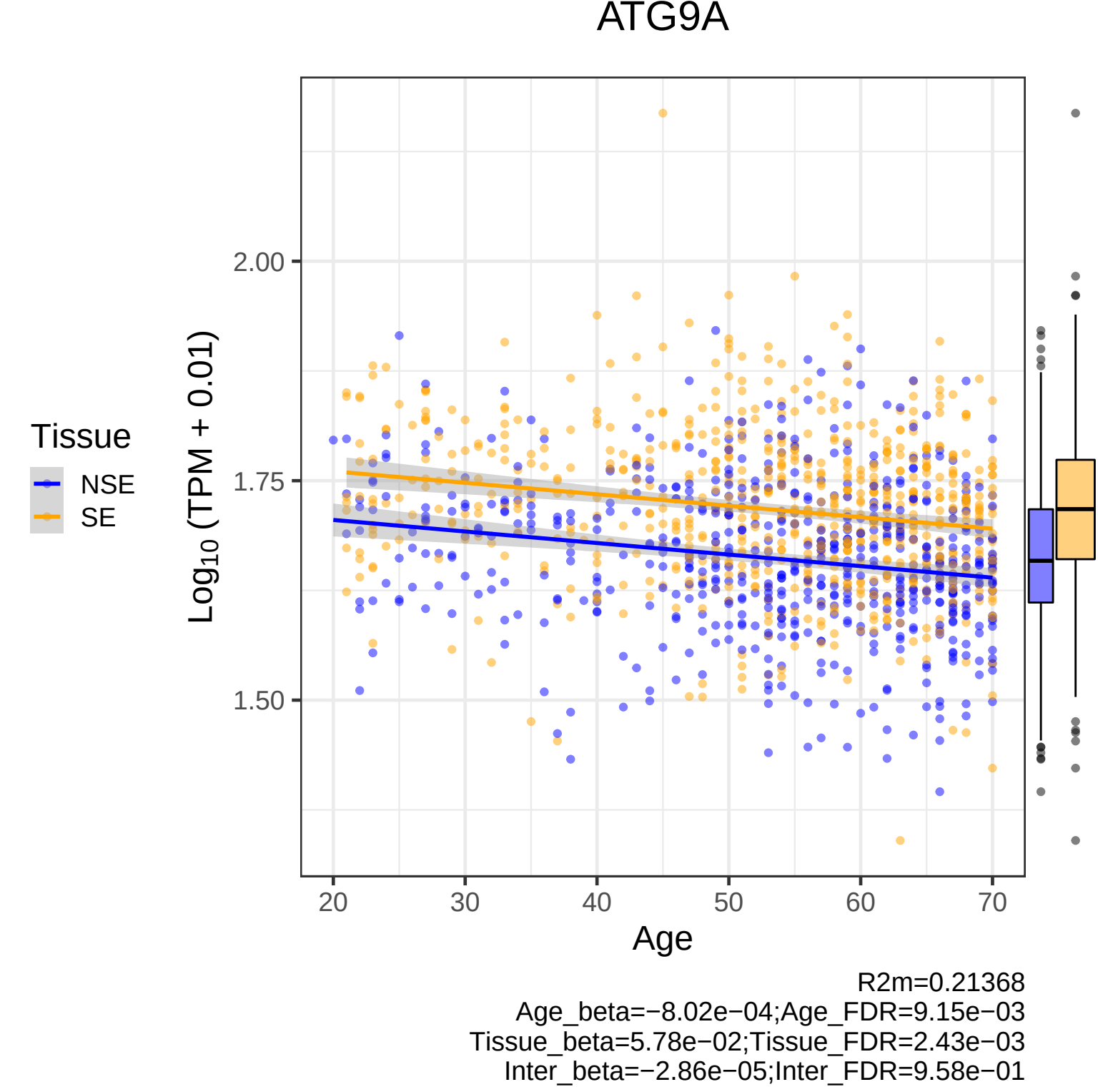

ZDHHC9
Tissue
NSE
SE
2.00
1.75
1.50
1.25
1.00
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.21432
Age_beta=−7.02e−04;Age_FDR=1.53e−01
Tissue_beta=3.22e−02;Tissue_FDR=3.39e−01
Inter_beta=1.21e−03;Inter_FDR=3.20e−02

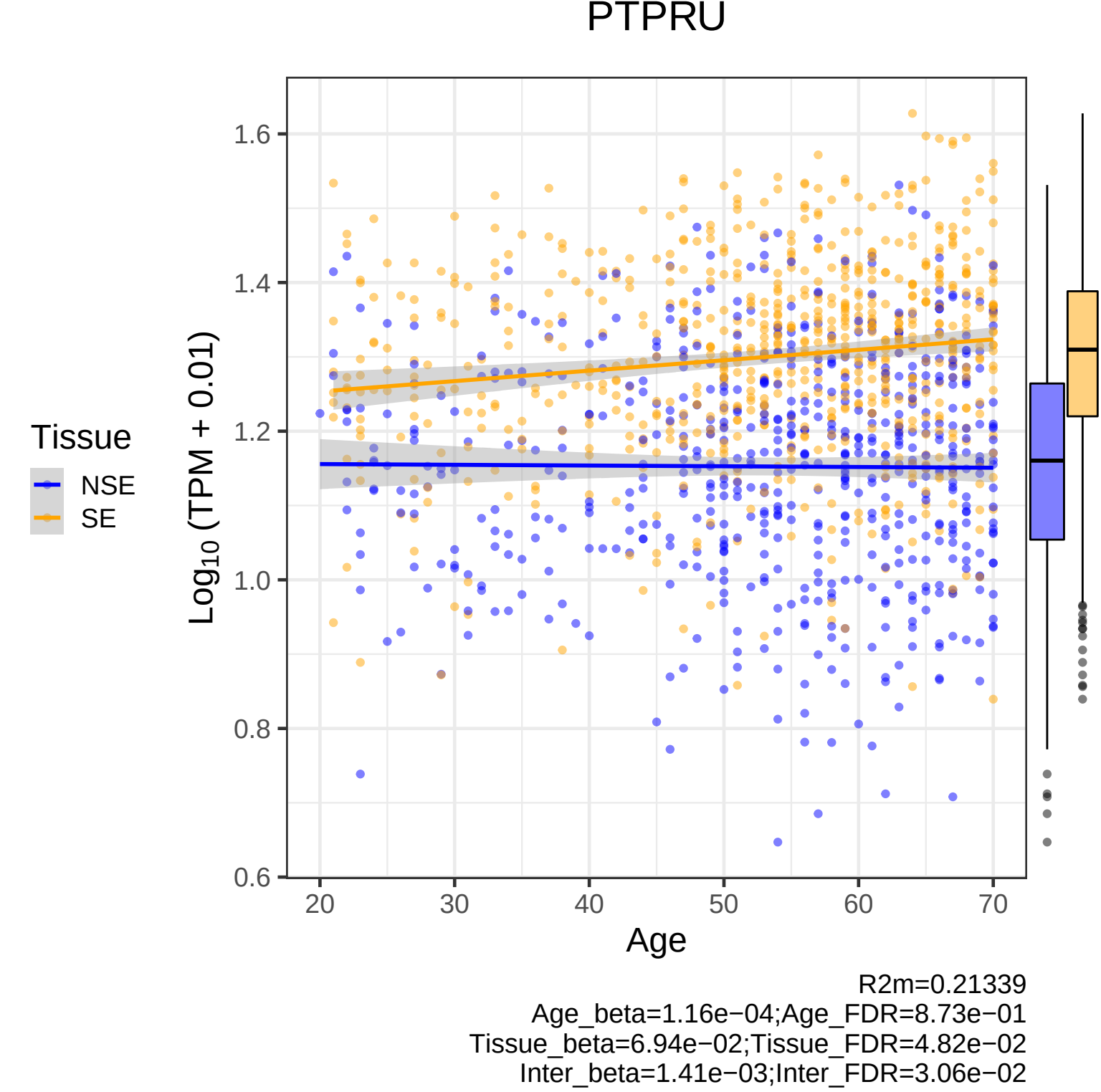

TAS1R1
Tissue
NSE
SE
Log10 (TPM + 0.01)
0.5
0.0
−0.5
−1.0
−1.5
20
30
40
50
60
70
Age
R2m=0.21402
Age_beta=−1.03e−04;Age_FDR=9.45e−01
Tissue_beta=−3.52e−01;Tissue_FDR=1.85e−08
Inter_beta=1.68e−03;Inter_FDR=2.23e−01

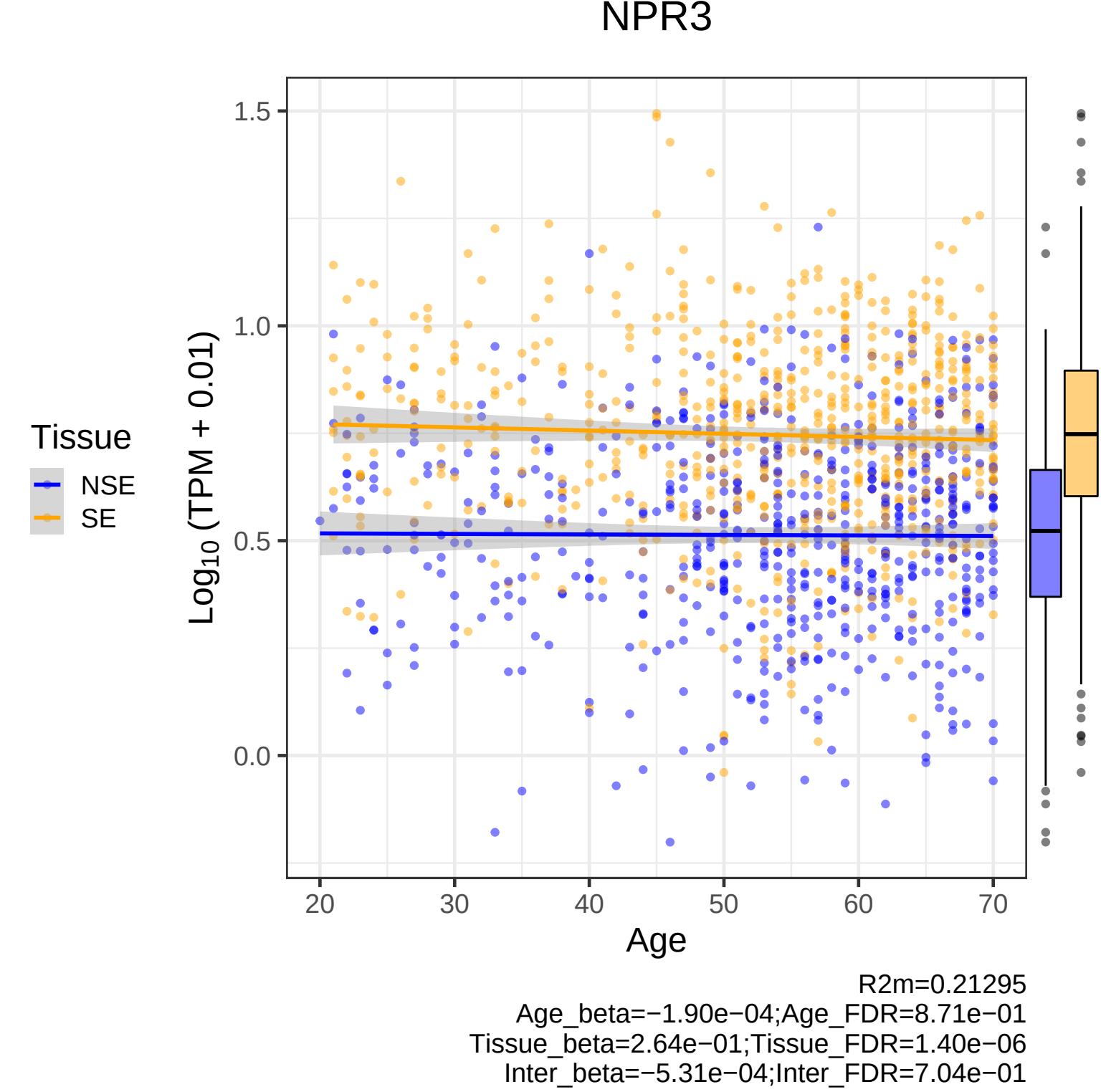

UBOX5
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.4
1.2
1.0
0.8
20
30
40
50
60
70
Age
R2m=0.21398
Age_beta=9.77e−05;Age_FDR=8.44e−01
Tissue_beta=1.19e−01;Tissue_FDR=1.70e−07
Inter_beta=−4.18e−04;Inter_FDR=4.34e−01

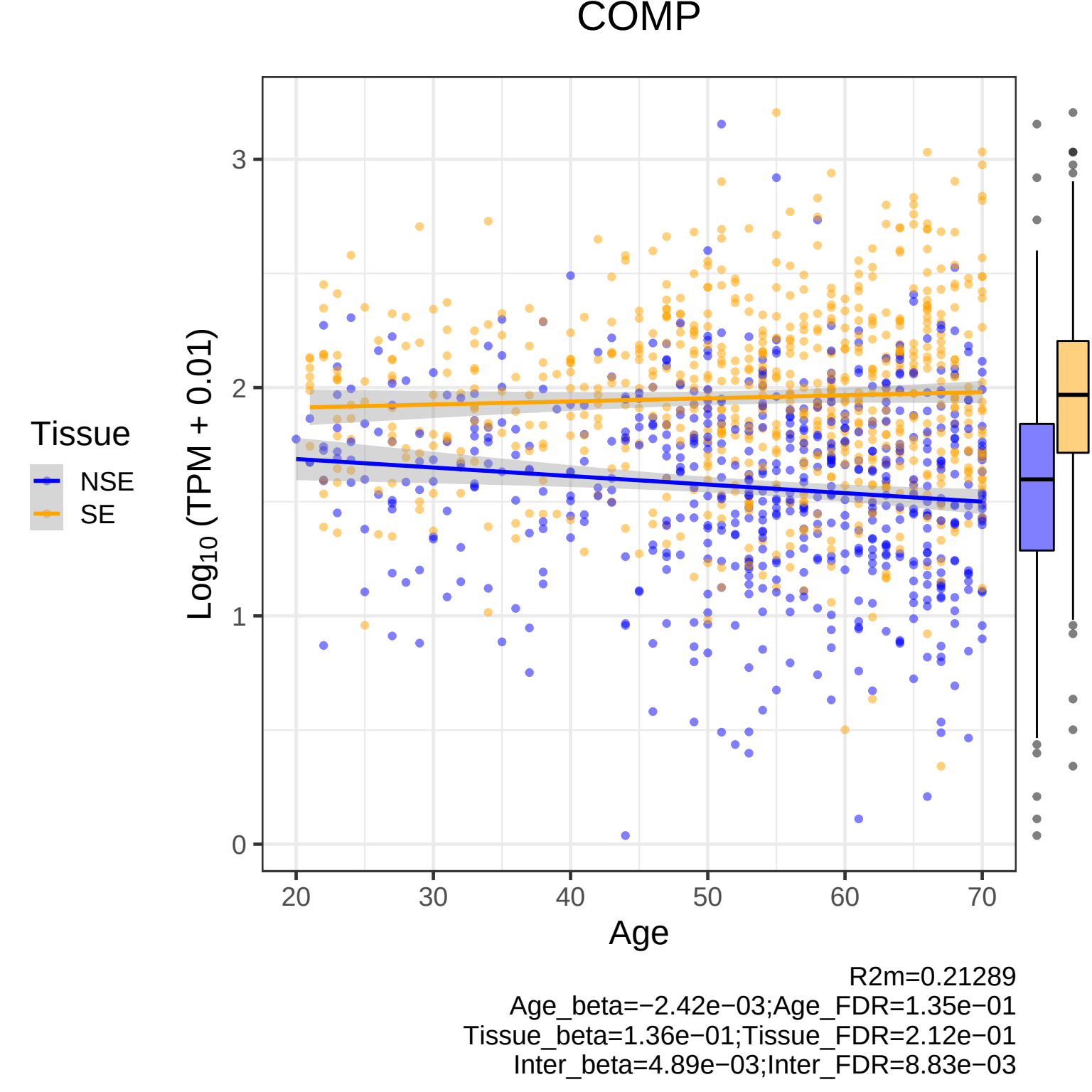

GALNT8
Tissue
NSE
SE
1.0
0.5
0.0
−0.5
−1.0
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.21387
Age_beta=3.00e−04;Age_FDR=8.61e−01
Tissue_beta=1.02e−01;Tissue_FDR=2.95e−01
Inter_beta=4.44e−03;Inter_FDR=6.04e−03

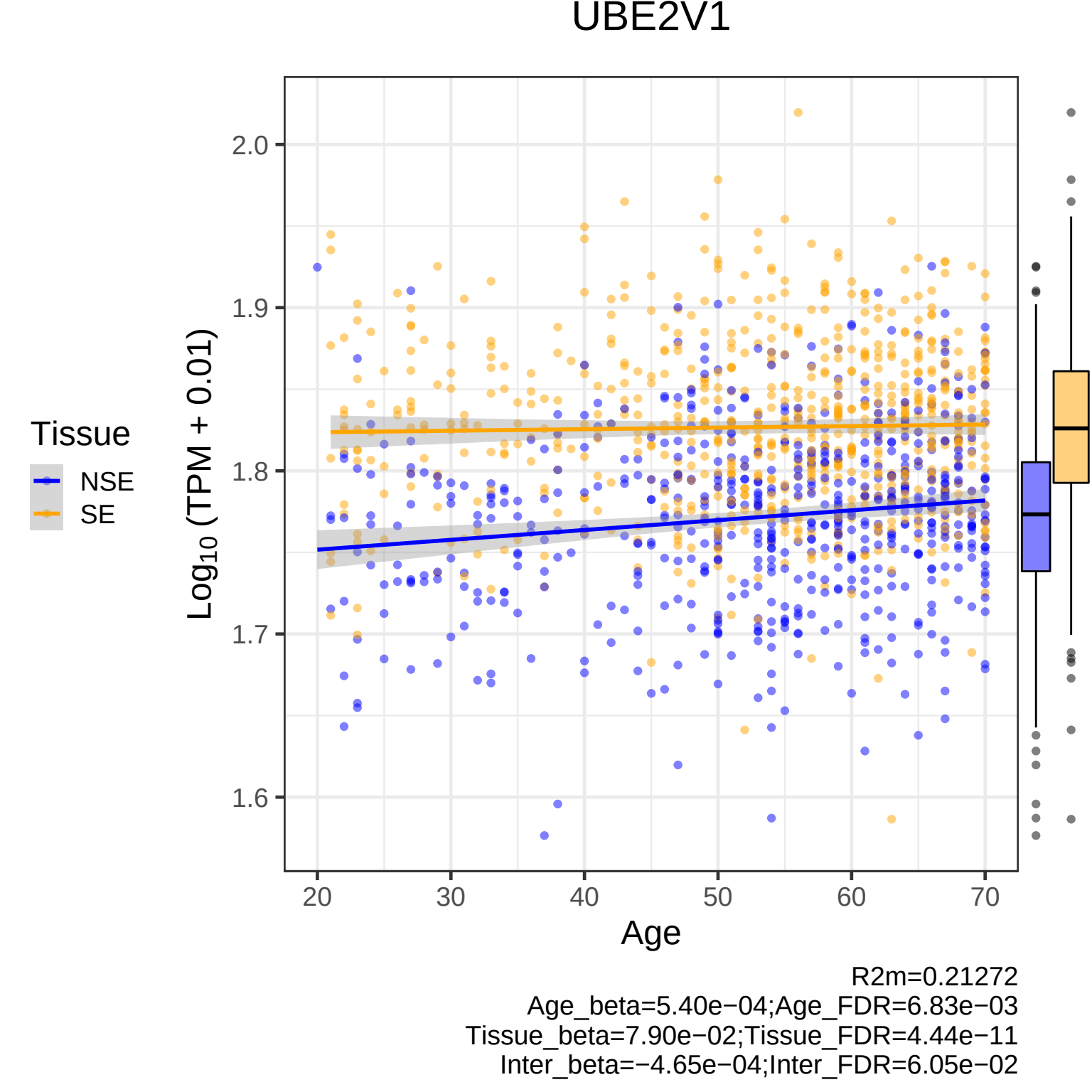

SNX9
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.00
1.75
1.50
1.25
20
30
40
50
60
70
Age
R2m=0.21369
Age_beta=1.01e−03;Age_FDR=5.11e−02
Tissue_beta=1.08e−01;Tissue_FDR=8.69e−04
Inter_beta=4.70e−04;Inter_FDR=5.38e−01

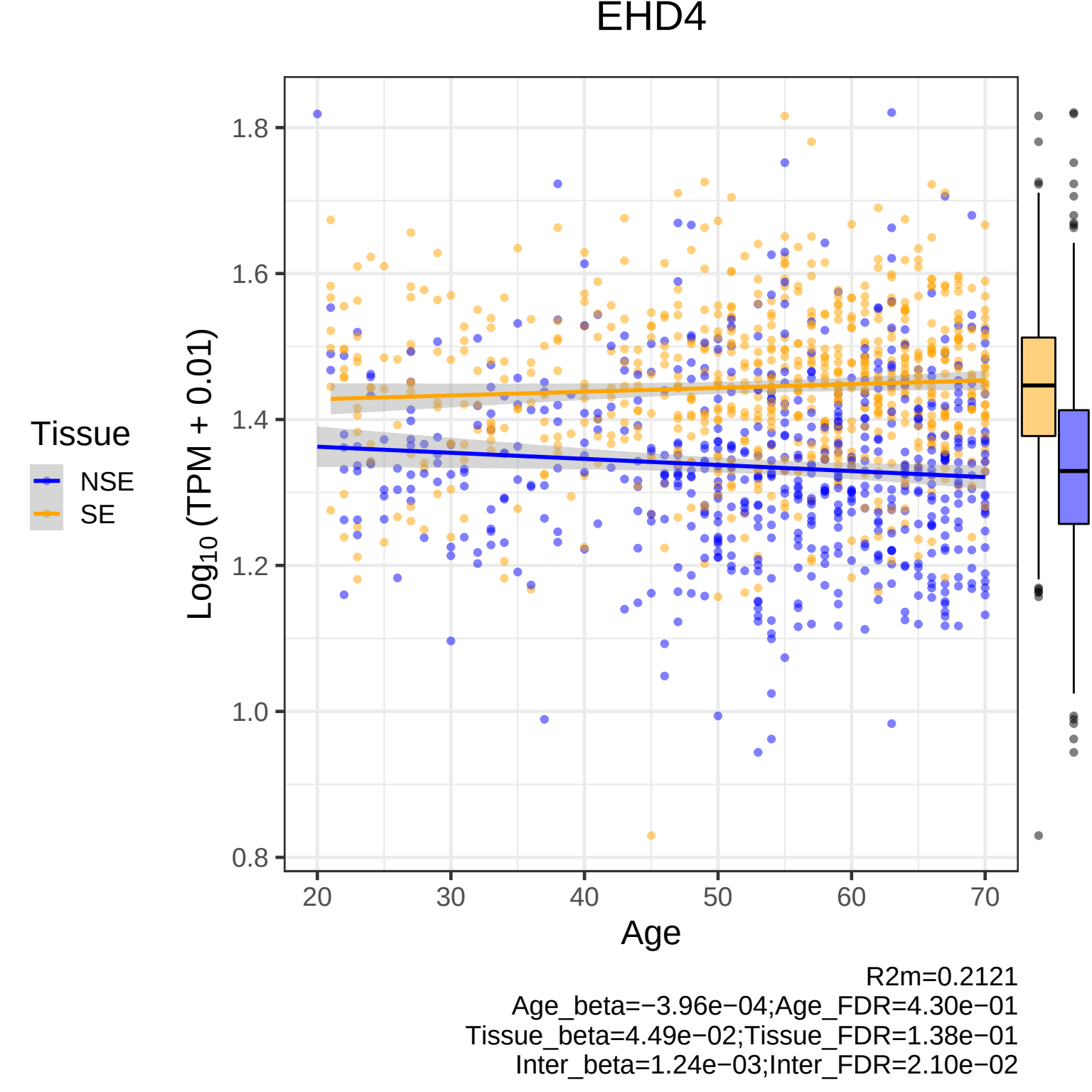

ATG9A
Tissue
NSE
SE
2.00
1.75
1.50
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.21368
Age_beta=−8.02e−04;Age_FDR=9.15e−03
Tissue_beta=5.78e−02;Tissue_FDR=2.43e−03
Inter_beta=−2.86e−05;Inter_FDR=9.58e−01

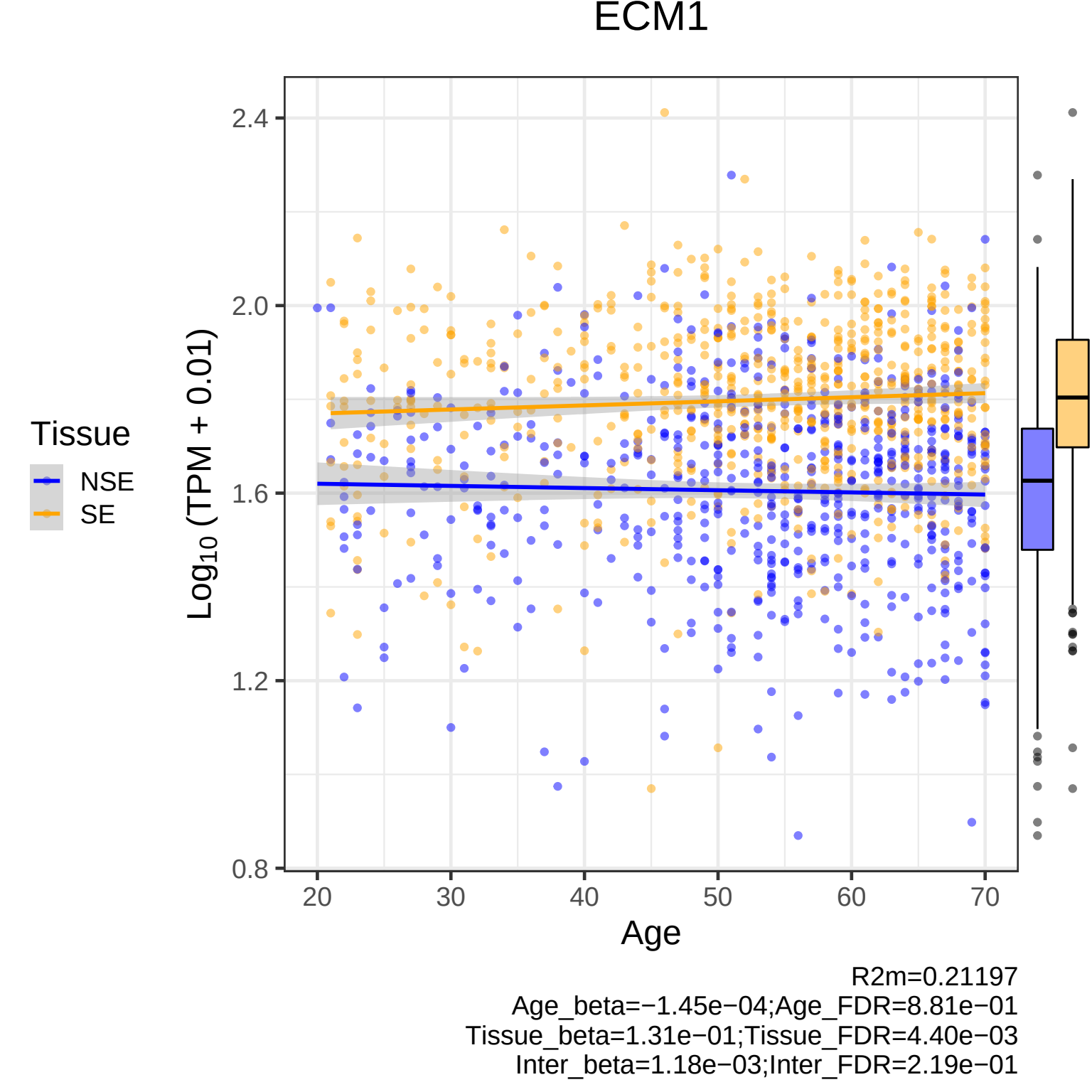

PTPRU
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.6
1.4
1.2
1.0
0.8
0.6
20
30
40
50
60
70
Age
R2m=0.21339
Age_beta=1.16e−04;Age_FDR=8.73e−01
Tissue_beta=6.94e−02;Tissue_FDR=4.82e−02
Inter_beta=1.41e−03;Inter_FDR=3.06e−02

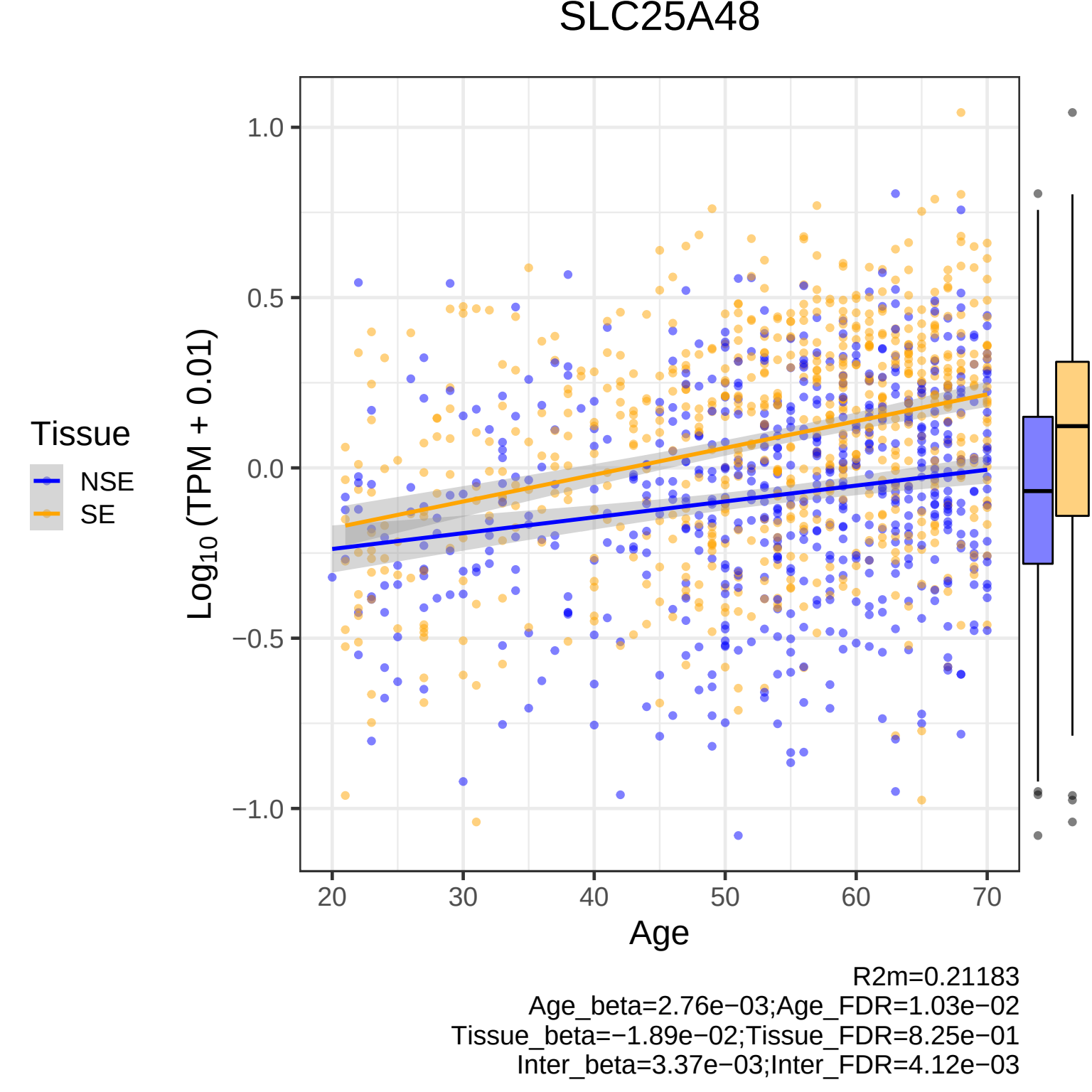

NPR3
Tissue
NSE
SE
1.5
1.0
0.5
0.0
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.21295
Age_beta=−1.90e−04;Age_FDR=8.71e−01
Tissue_beta=2.64e−01;Tissue_FDR=1.40e−06
Inter_beta=−5.31e−04;Inter_FDR=7.04e−01

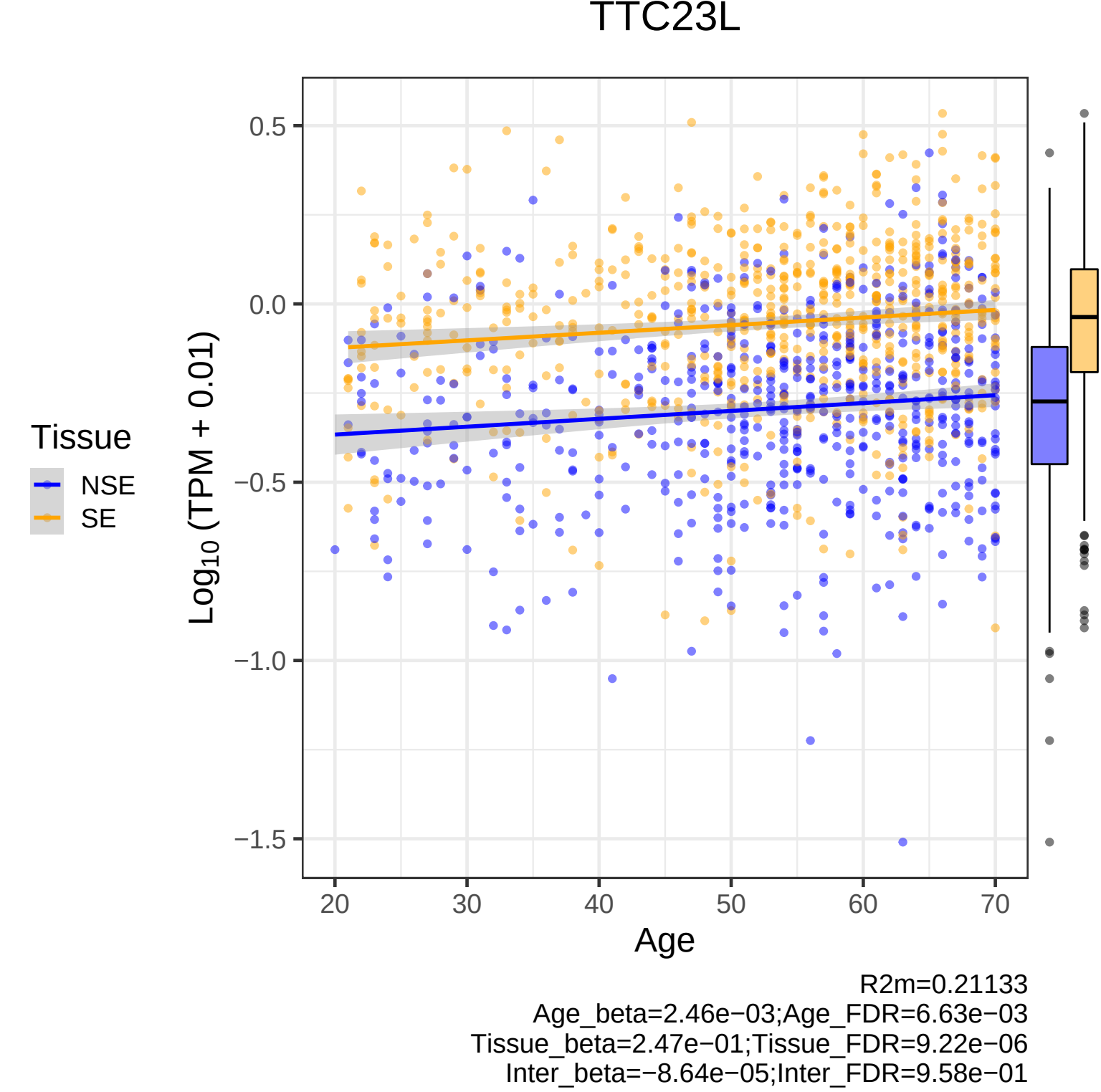

COMP
Tissue
NSE
SE
Log10 (TPM + 0.01)
0
1
2
3
20
30
40
50
60
70
Age
R2m=0.21289
Age_beta=−2.42e−03;Age_FDR=1.35e−01
Tissue_beta=1.36e−01;Tissue_FDR=2.12e−01
Inter_beta=4.89e−03;Inter_FDR=8.83e−03

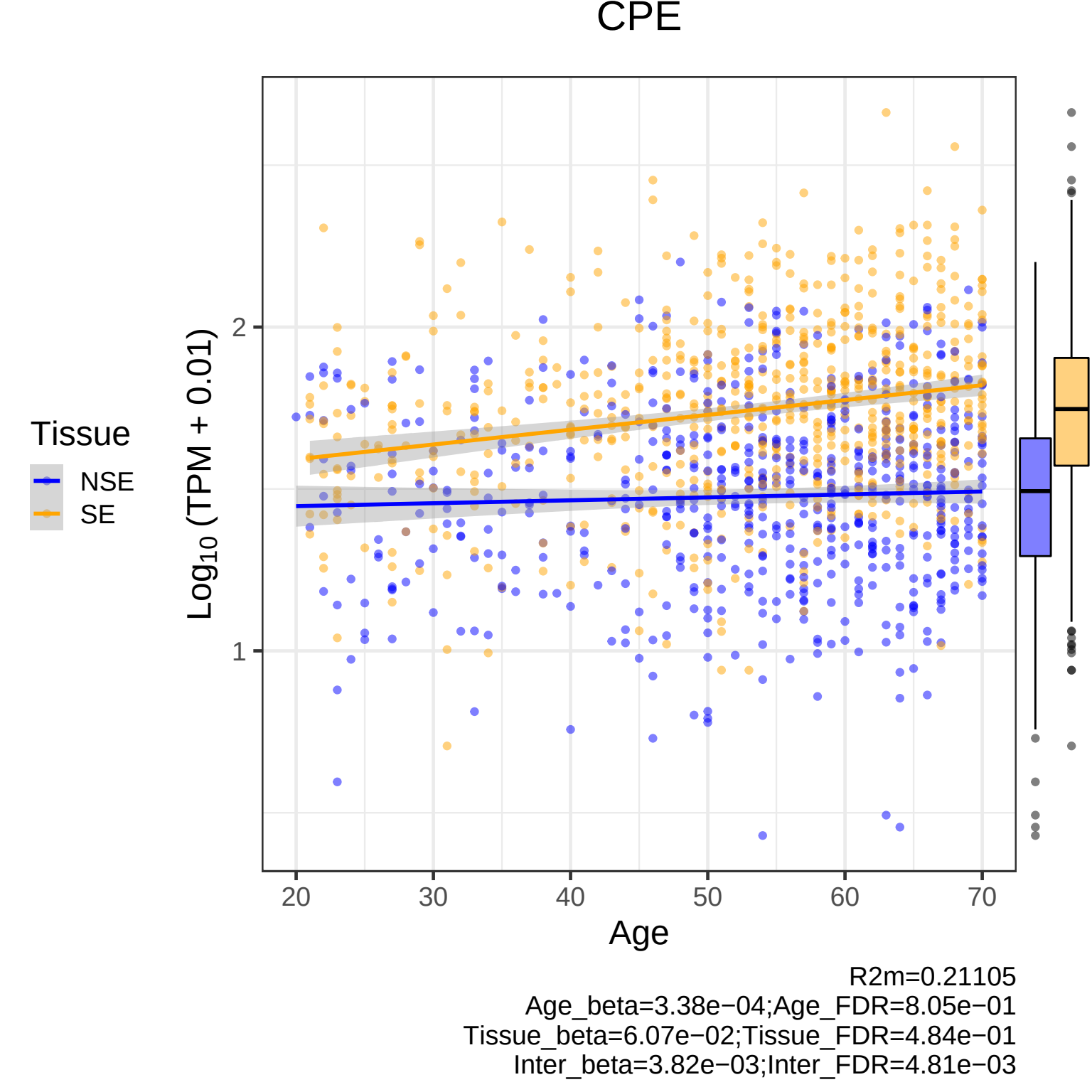

UBE2V1
Tissue
NSE
SE
2.0
1.9
1.8
1.7
1.6
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.21272
Age_beta=5.40e−04;Age_FDR=6.83e−03
Tissue_beta=7.90e−02;Tissue_FDR=4.44e−11
Inter_beta=−4.65e−04;Inter_FDR=6.05e−02

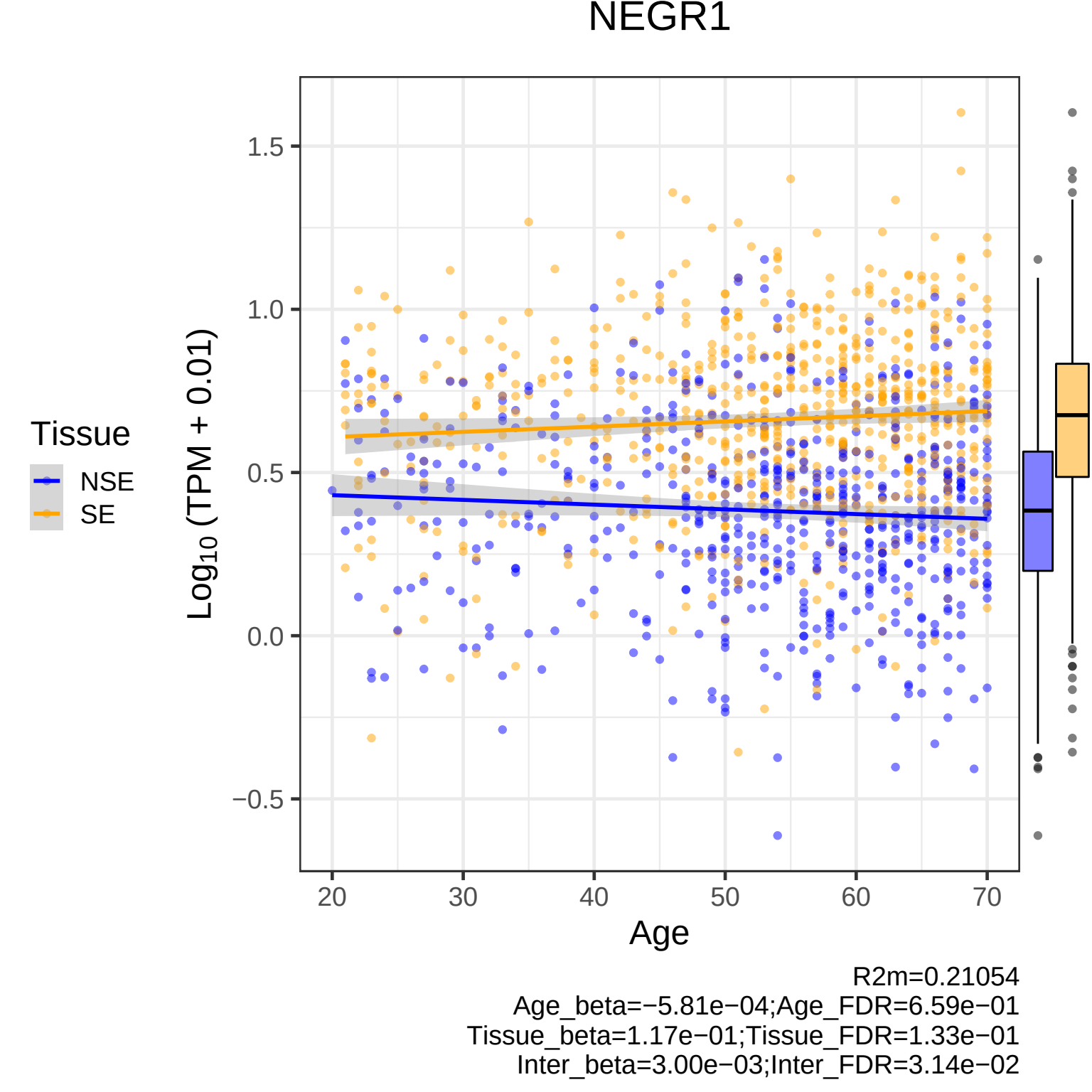

EHD4
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.8
1.6
1.4
1.2
1.0
0.8
20
30
40
50
60
70
Age
R2m=0.2121
Age_beta=−3.96e−04;Age_FDR=4.30e−01
Tissue_beta=4.49e−02;Tissue_FDR=1.38e−01
Inter_beta=1.24e−03;Inter_FDR=2.10e−02

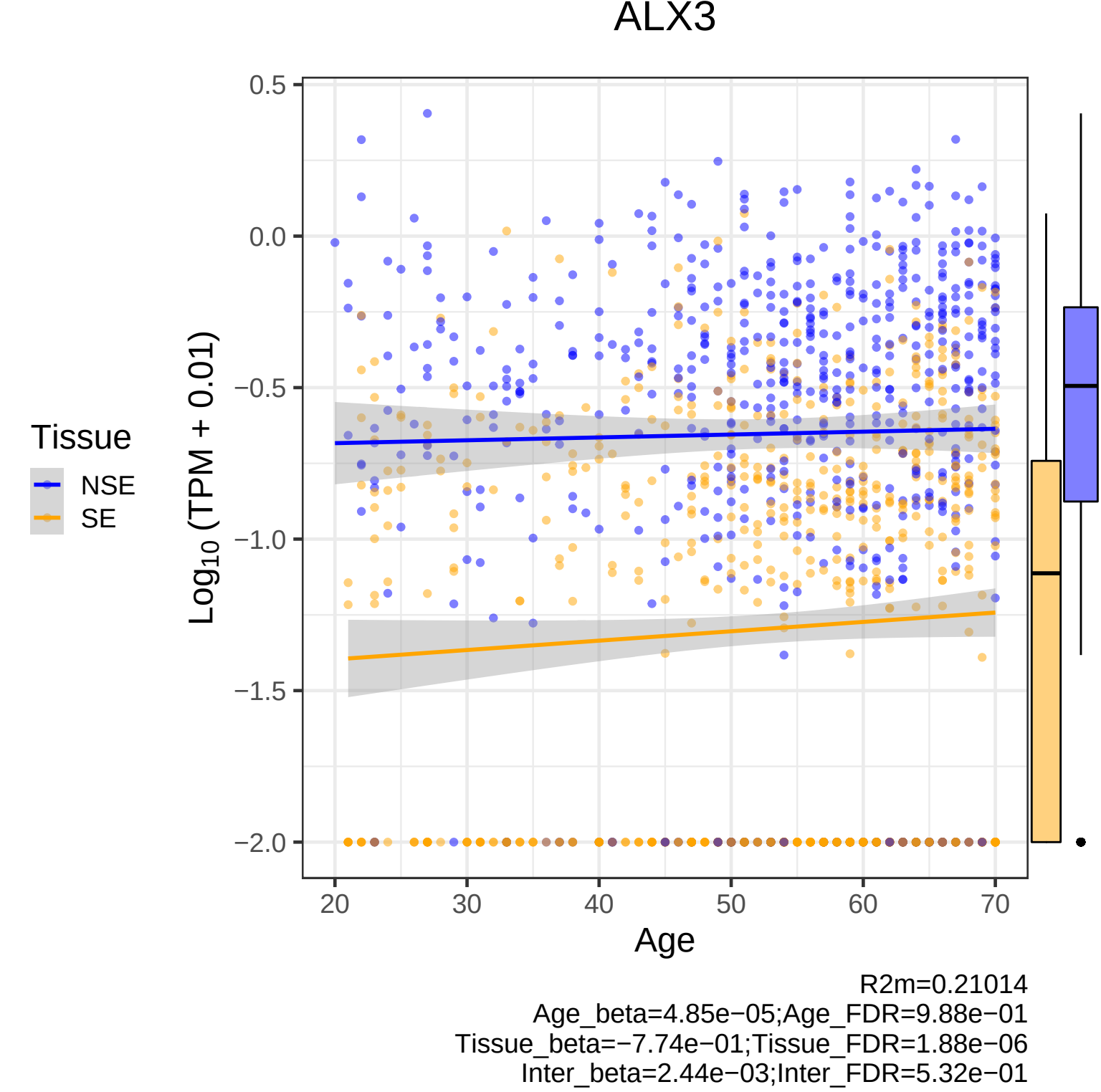

ECM1
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.4
2.0
1.6
1.2
0.8
20
30
40
50
60
70
Age
R2m=0.21197
Age_beta=−1.45e−04;Age_FDR=8.81e−01
Tissue_beta=1.31e−01;Tissue_FDR=4.40e−03
Inter_beta=1.18e−03;Inter_FDR=2.19e−01

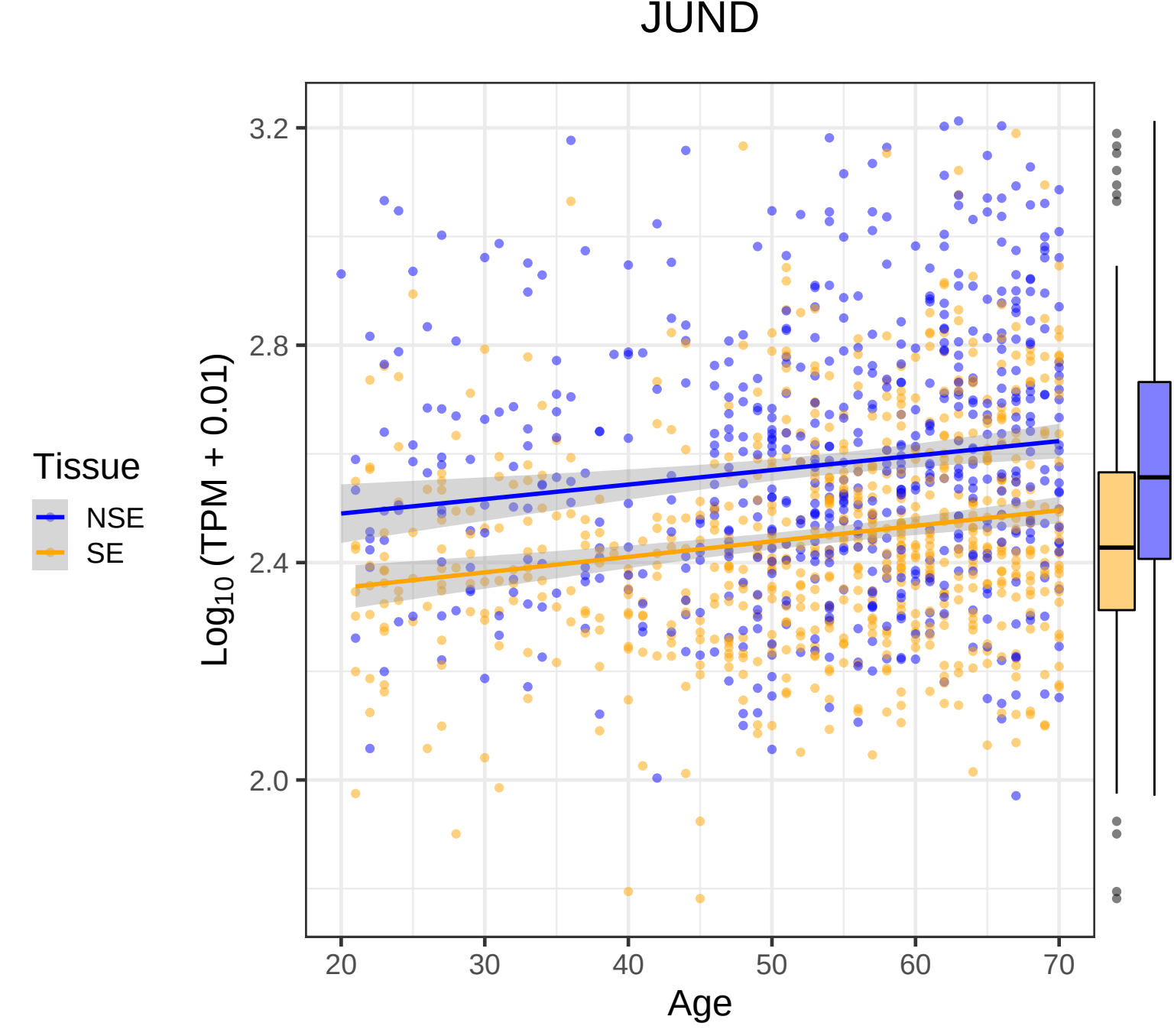

SLC25A48
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.0
0.5
0.0
−0.5
−1.0
20
30
40
50
60
70
Age
R2m=0.21183
Age_beta=2.76e−03;Age_FDR=1.03e−02
Tissue_beta=−1.89e−02;Tissue_FDR=8.25e−01
Inter_beta=3.37e−03;Inter_FDR=4.12e−03

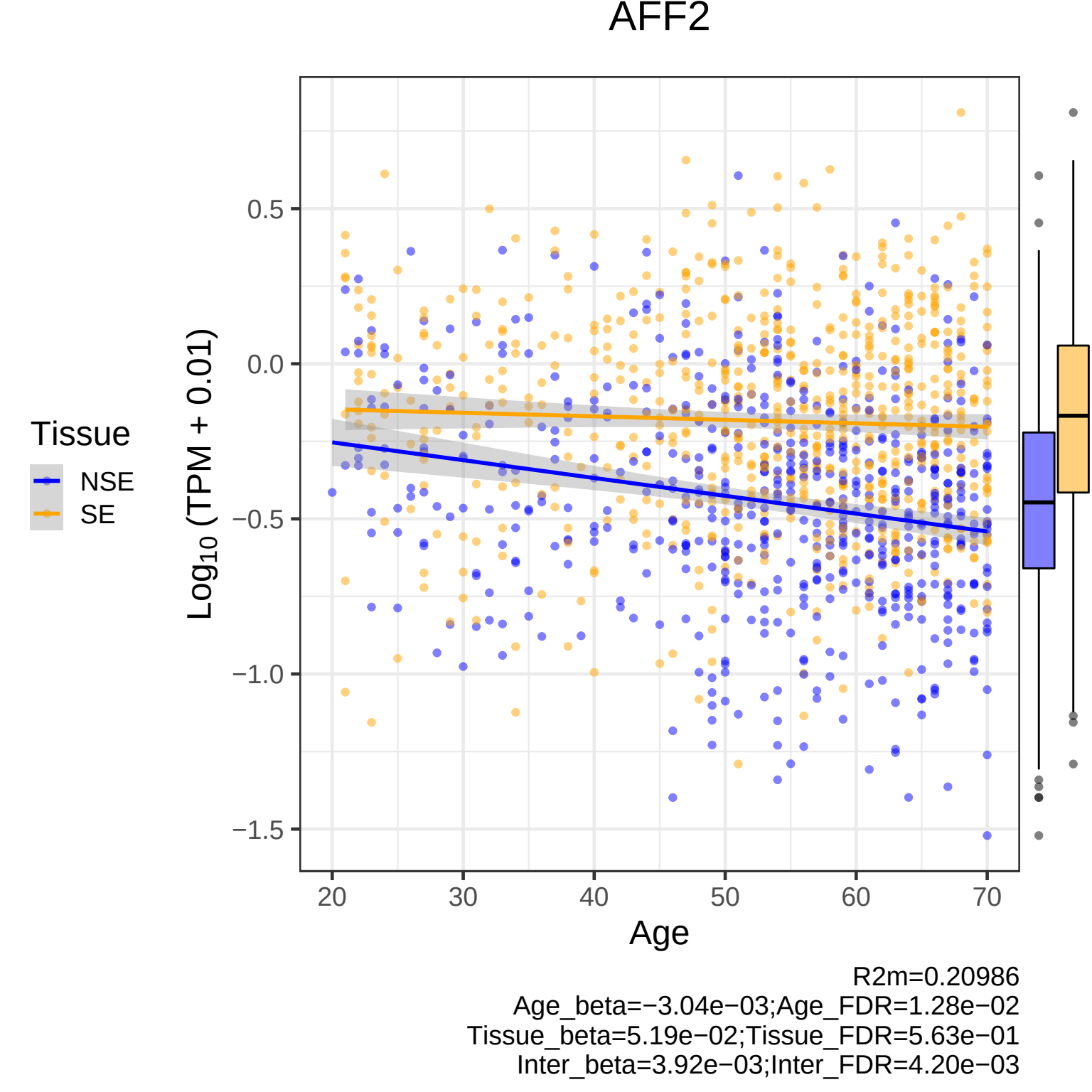

TTC23L
Tissue
NSE
SE
0.5
0.0
−0.5
−1.0
−1.5
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.21133
Age_beta=2.46e−03;Age_FDR=6.63e−03
Tissue_beta=2.47e−01;Tissue_FDR=9.22e−06
Inter_beta=−8.64e−05;Inter_FDR=9.58e−01

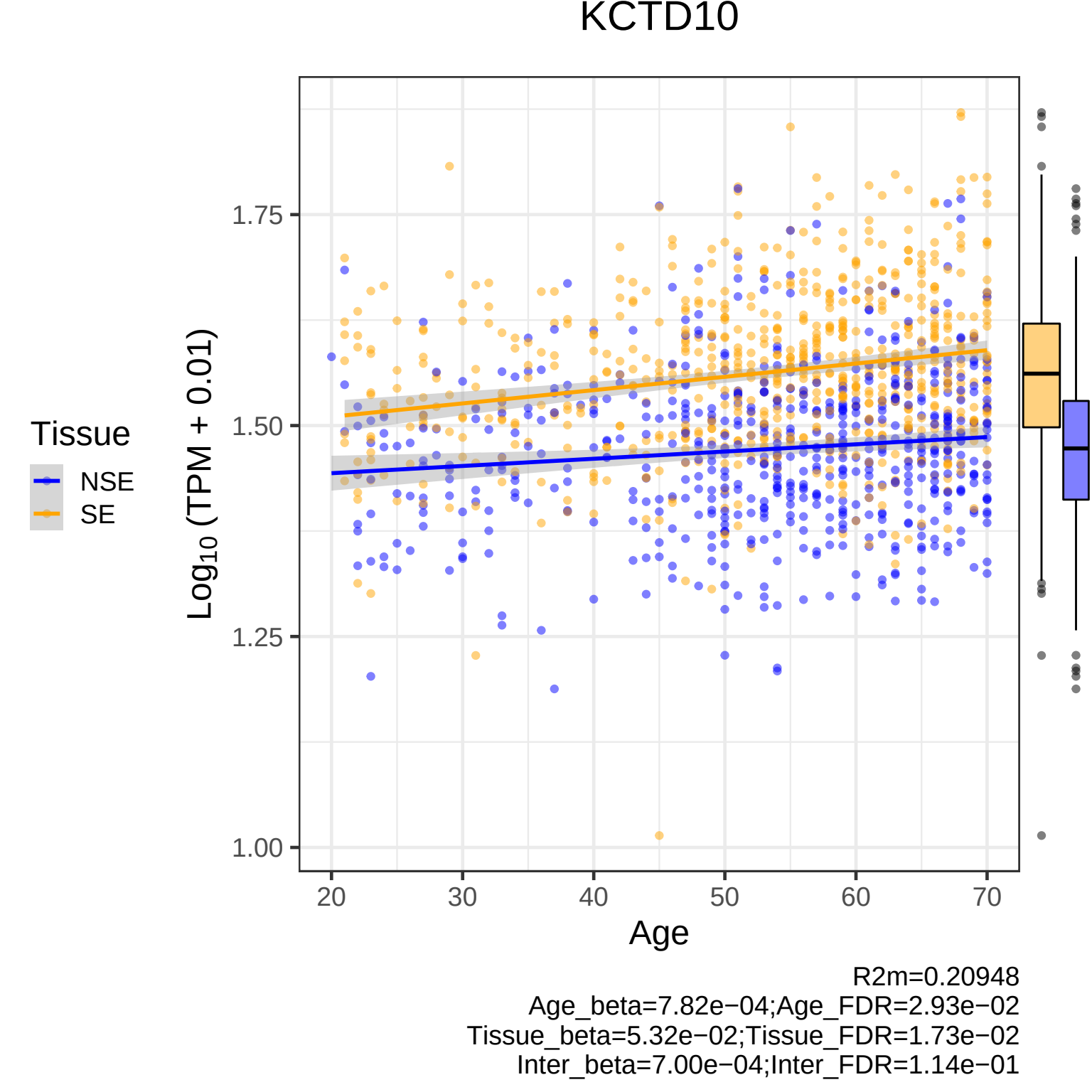

CPE
Tissue
NSE
SE
Log10 (TPM + 0.01)
2
1
20
30
40
50
60
70
Age
R2m=0.21105
Age_beta=3.38e−04;Age_FDR=8.05e−01
Tissue_beta=6.07e−02;Tissue_FDR=4.84e−01
Inter_beta=3.82e−03;Inter_FDR=4.81e−03

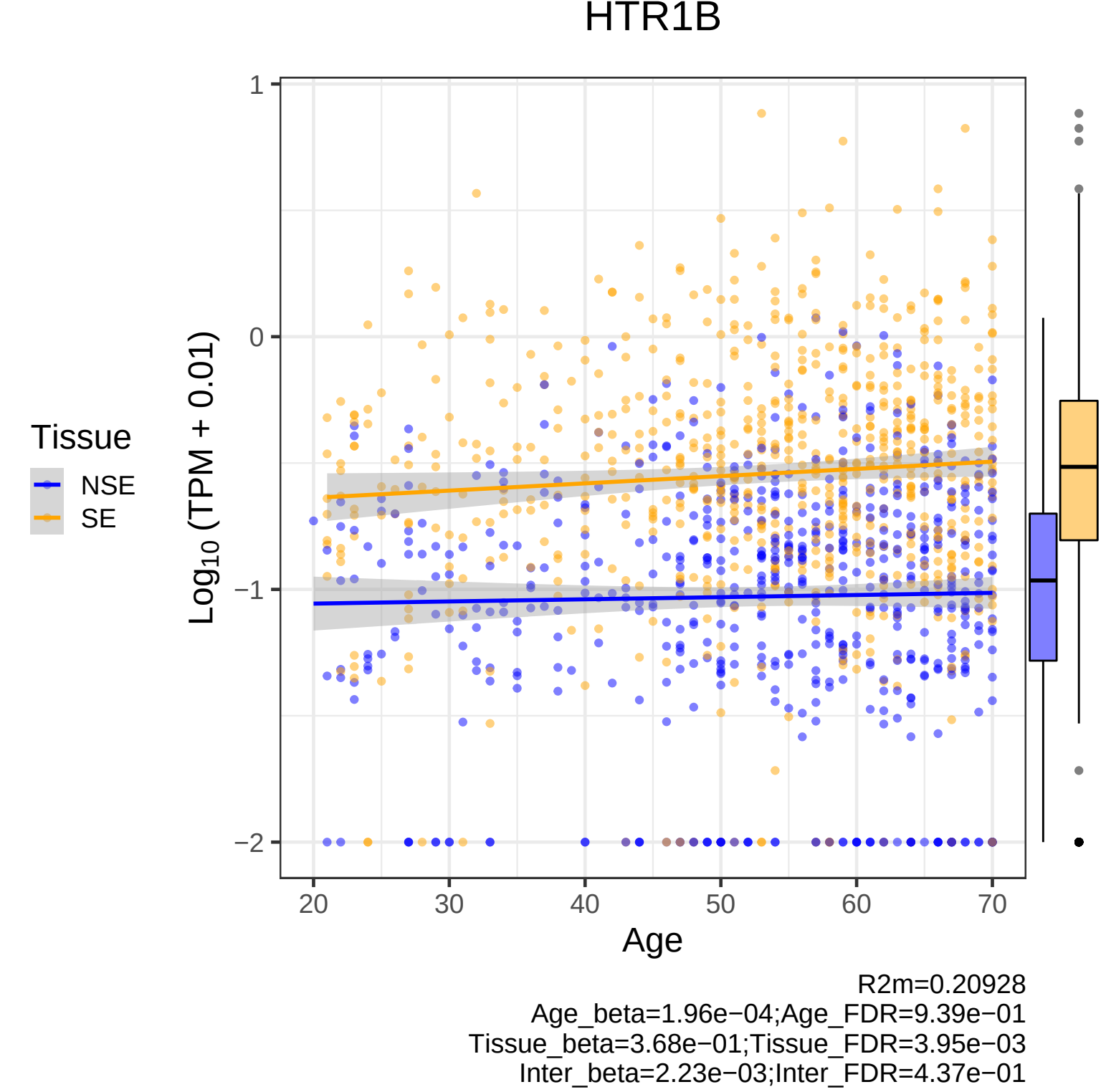

NEGR1
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.5
1.0
0.5
0.0
−0.5
20
30
40
50
60
70
Age
R2m=0.21054
Age_beta=−5.81e−04;Age_FDR=6.59e−01
Tissue_beta=1.17e−01;Tissue_FDR=1.33e−01
Inter_beta=3.00e−03;Inter_FDR=3.14e−02

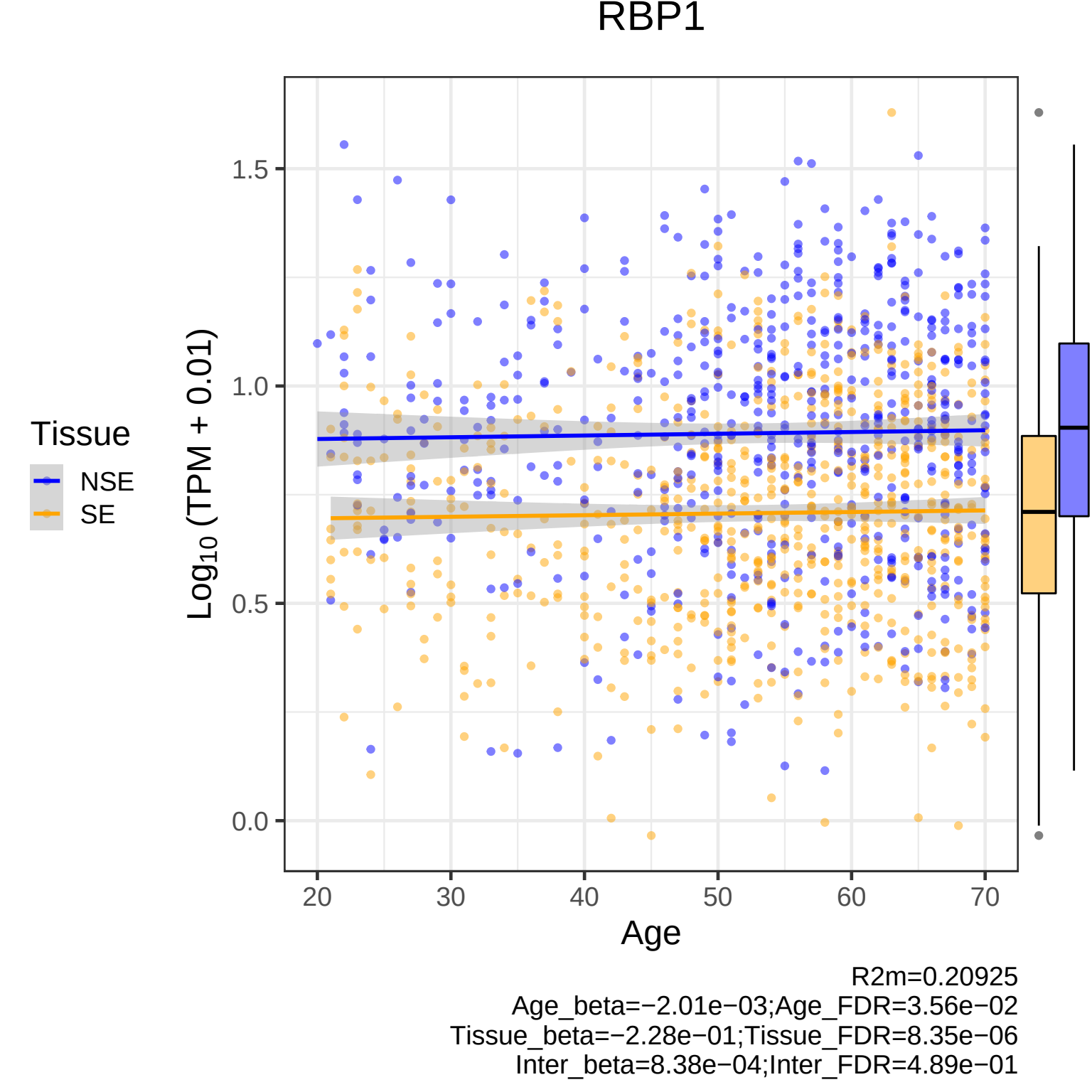

ALX3
Tissue
NSE
SE
Log10 (TPM + 0.01)
0.5
0.0
−0.5
−1.0
−1.5
−2.0
20
30
40
50
60
70
Age
R2m=0.21014
Age_beta=4.85e−05;Age_FDR=9.88e−01
Tissue_beta=−7.74e−01;Tissue_FDR=1.88e−06
Inter_beta=2.44e−03;Inter_FDR=5.32e−01

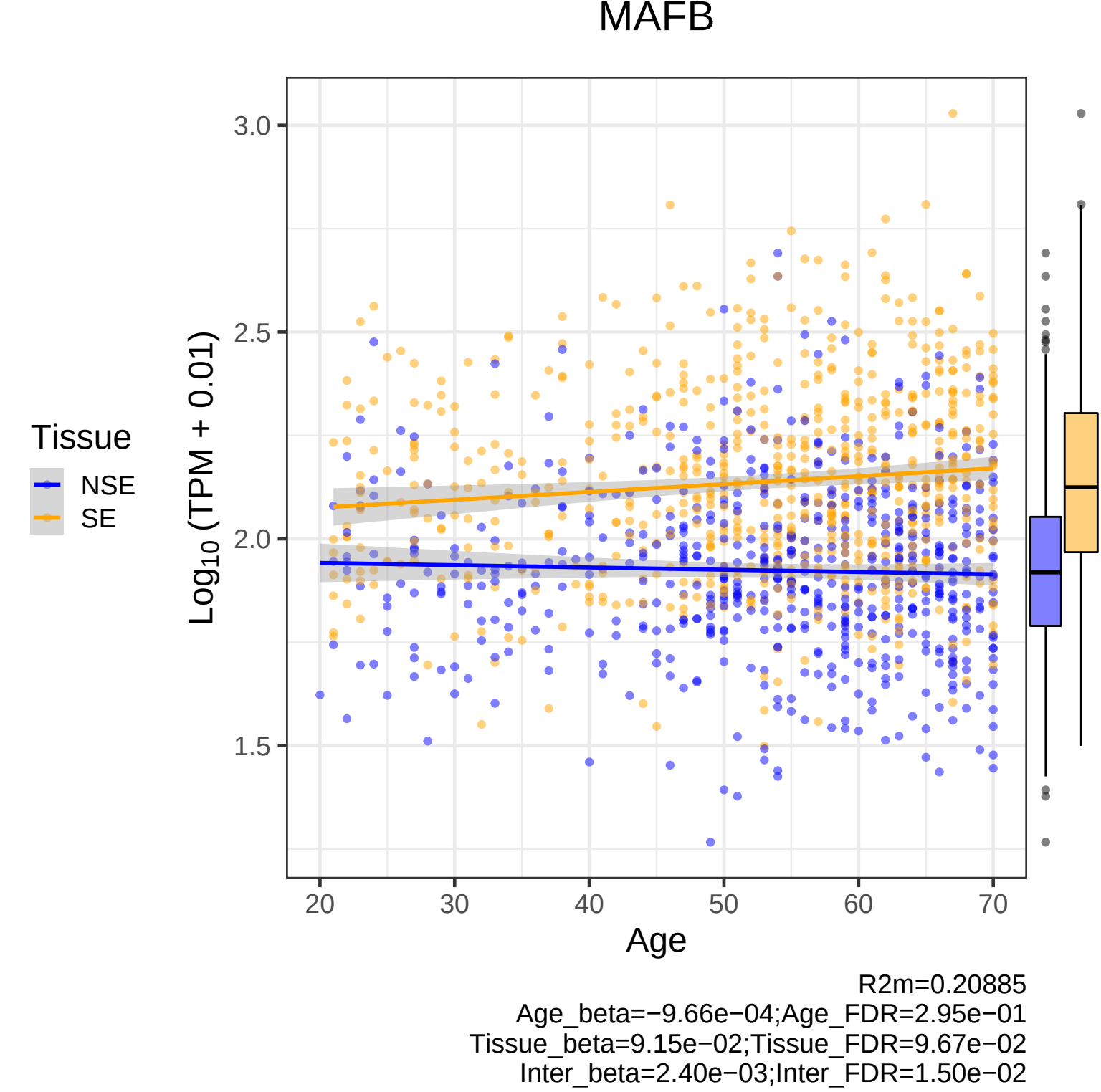

JUND
Tissue
NSE
SE
3.2
2.8
2.4
2.0
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.20988
Age_beta=1.00e−03;Age_FDR=2.44e−01
Tissue_beta=−1.52e−01;Tissue_FDR=2.33e−03
Inter_beta=4.13e−04;Inter_FDR=7.41e−01

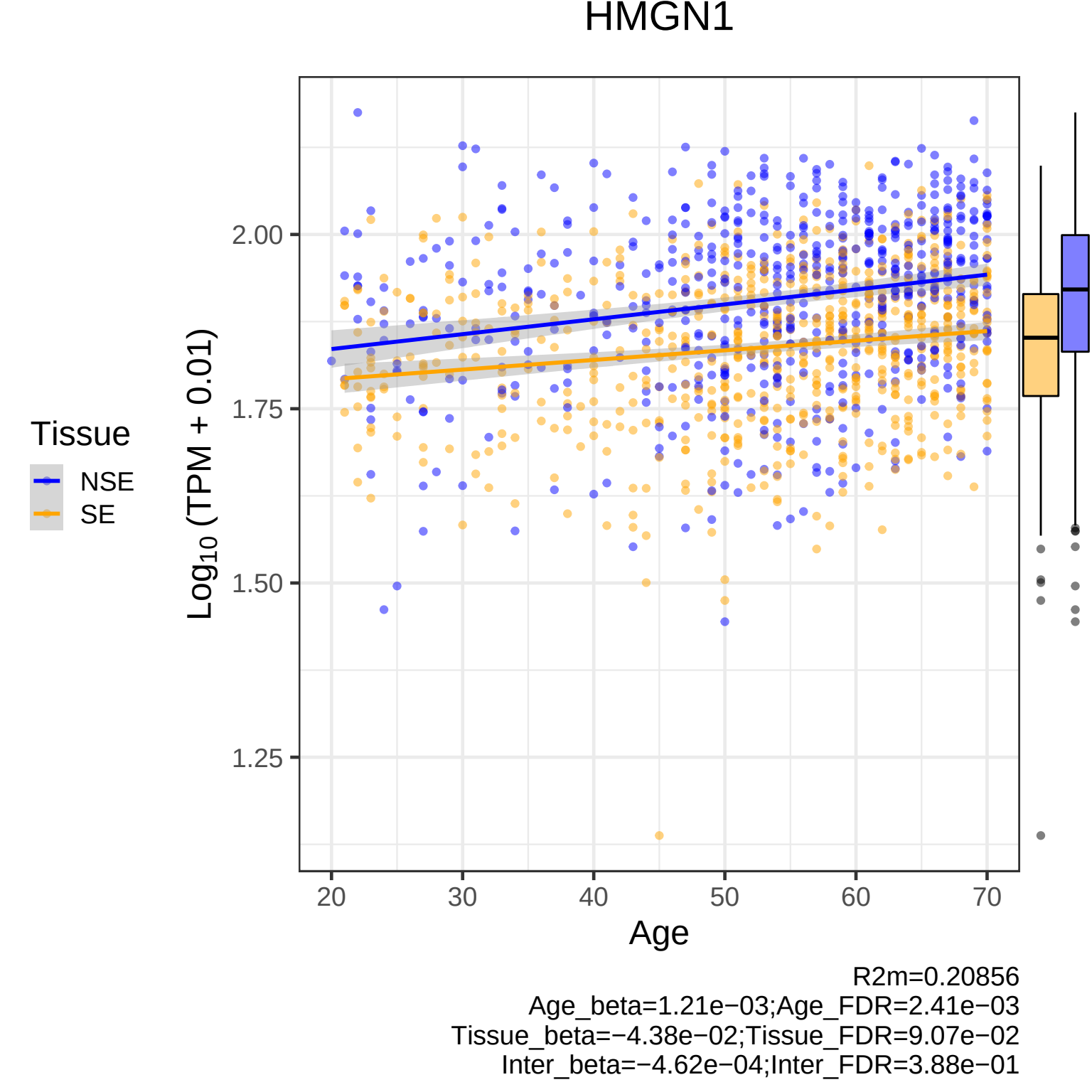

AFF2
Tissue
NSE
SE
Log10 (TPM + 0.01)
0.5
0.0
−0.5
−1.0
−1.5
20
30
40
50
60
70
Age
R2m=0.20986
Age_beta=−3.04e−03;Age_FDR=1.28e−02
Tissue_beta=5.19e−02;Tissue_FDR=5.63e−01
Inter_beta=3.92e−03;Inter_FDR=4.20e−03

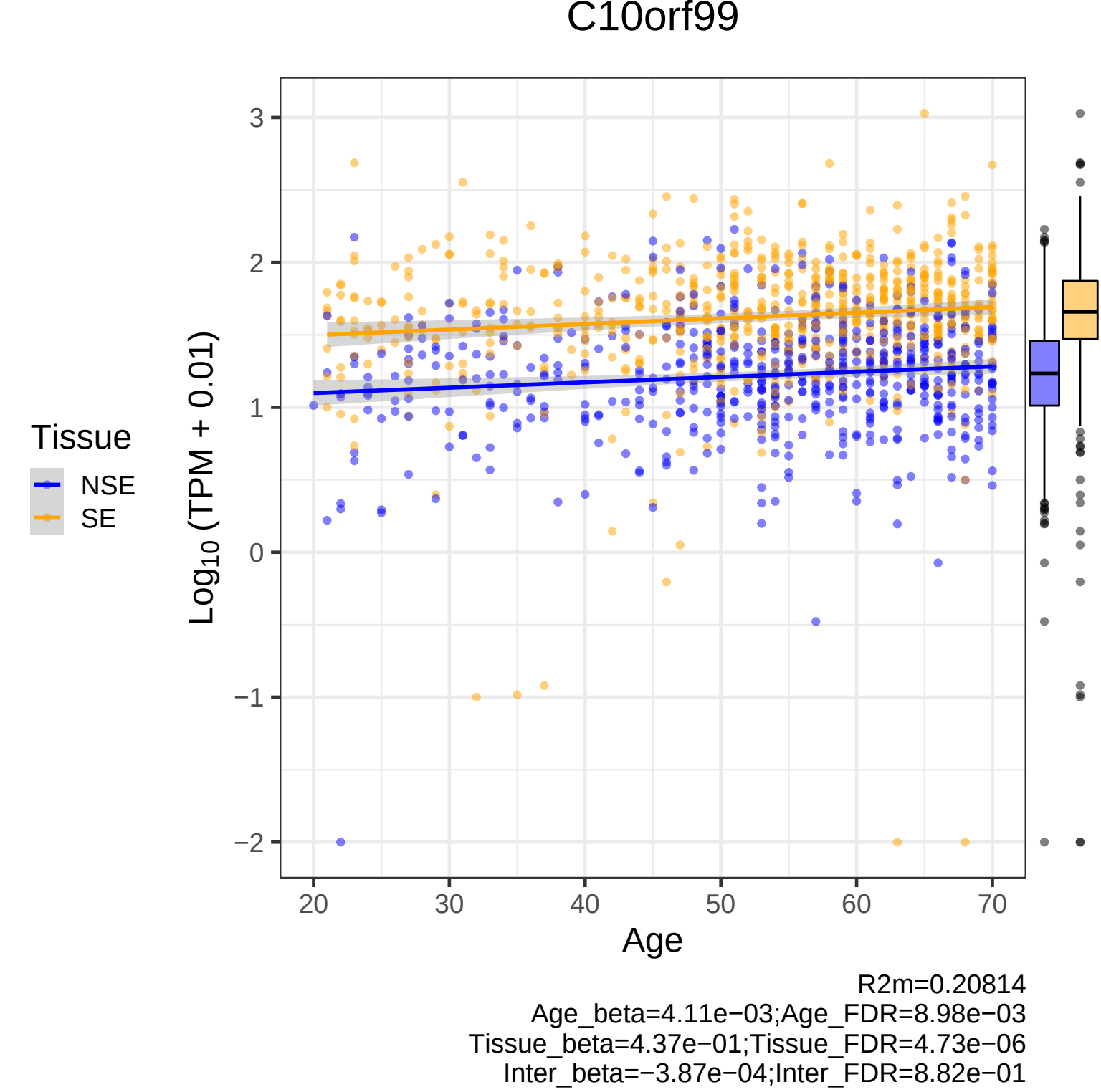

KCTD10
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.75
1.50
1.25
1.00
20
30
40
50
60
70
Age
R2m=0.20948
Age_beta=7.82e−04;Age_FDR=2.93e−02
Tissue_beta=5.32e−02;Tissue_FDR=1.73e−02
Inter_beta=7.00e−04;Inter_FDR=1.14e−01

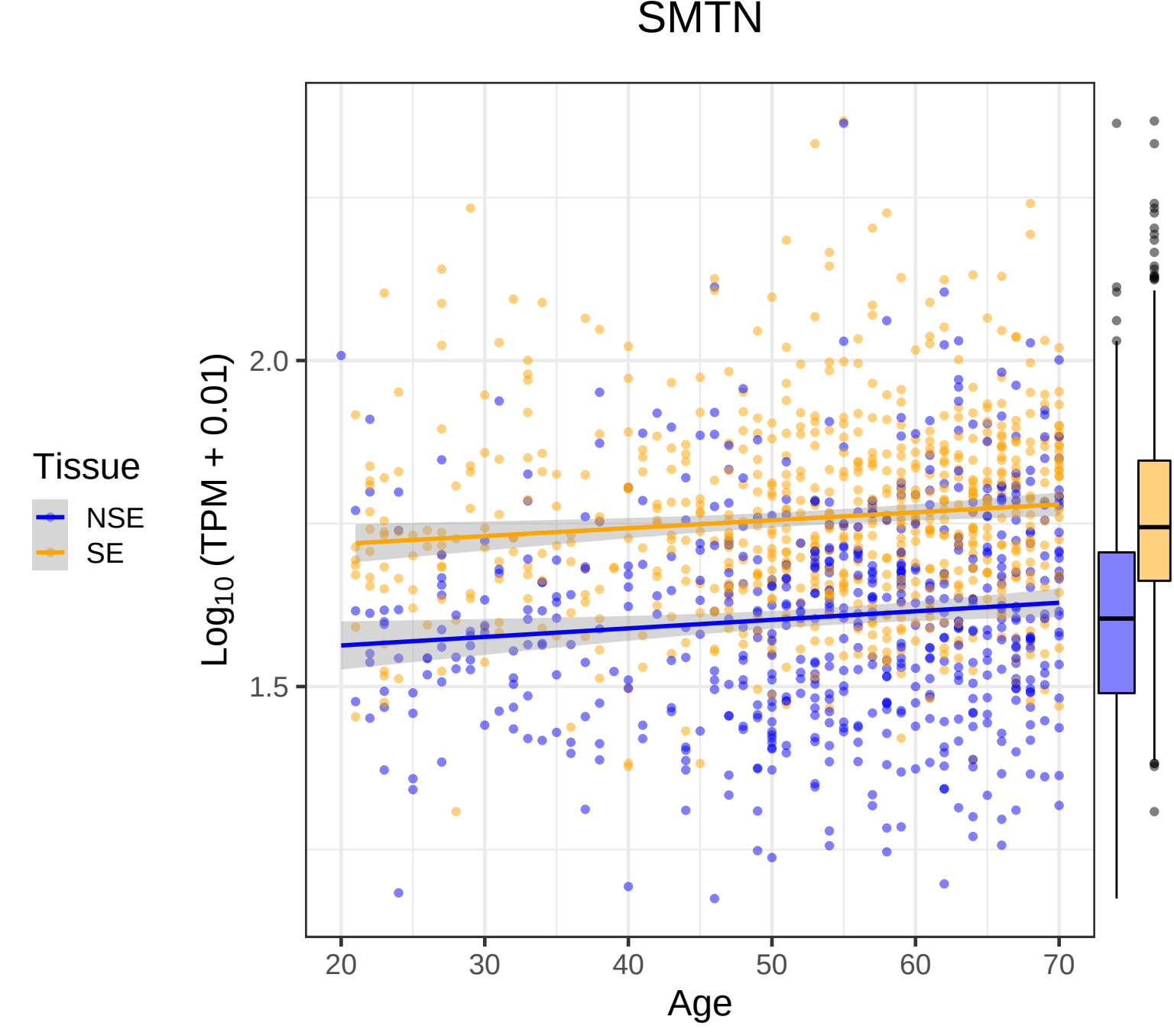

HTR1B
Tissue
NSE
SE
Log10 (TPM + 0.01)
1
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.20928
Age_beta=1.96e−04;Age_FDR=9.39e−01
Tissue_beta=3.68e−01;Tissue_FDR=3.95e−03
Inter_beta=2.23e−03;Inter_FDR=4.37e−01

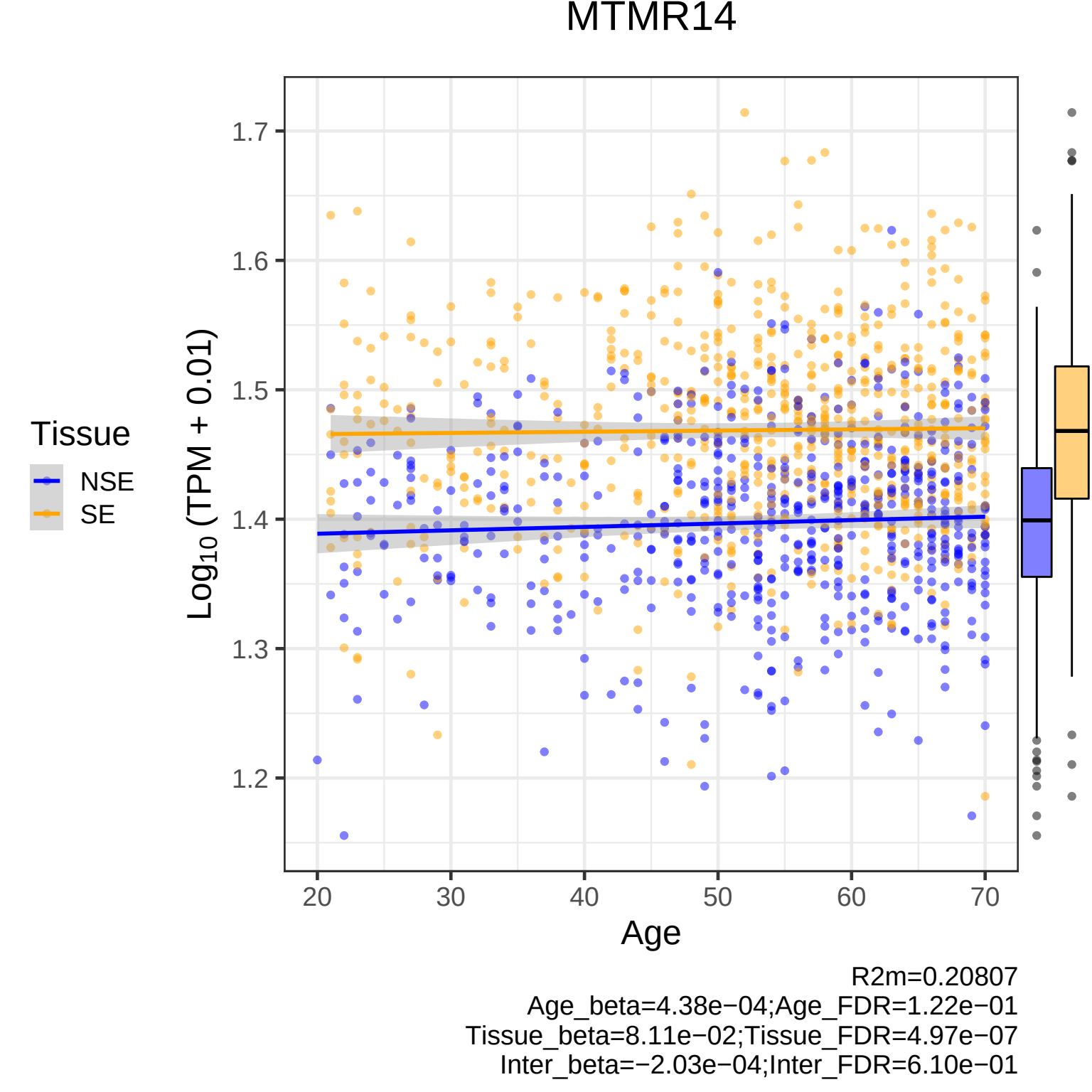

RBP1
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.5
1.0
0.5
0.0
20
30
40
50
60
70
Age
R2m=0.20925
Age_beta=−2.01e−03;Age_FDR=3.56e−02
Tissue_beta=−2.28e−01;Tissue_FDR=8.35e−06
Inter_beta=8.38e−04;Inter_FDR=4.89e−01

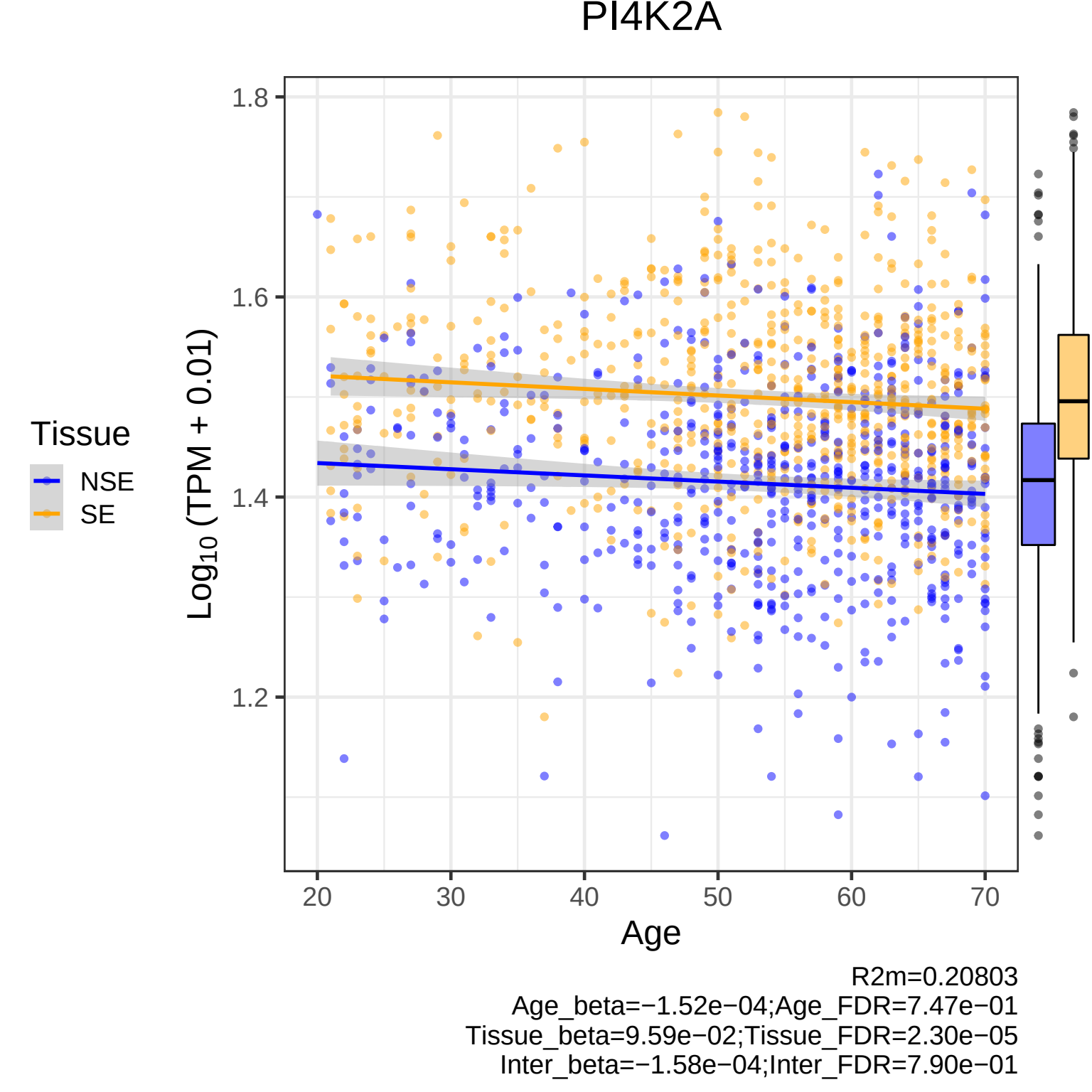

MAFB
Tissue
NSE
SE
3.0
2.5
2.0
1.5
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.20885
Age_beta=−9.66e−04;Age_FDR=2.95e−01
Tissue_beta=9.15e−02;Tissue_FDR=9.67e−02
Inter_beta=2.40e−03;Inter_FDR=1.50e−02

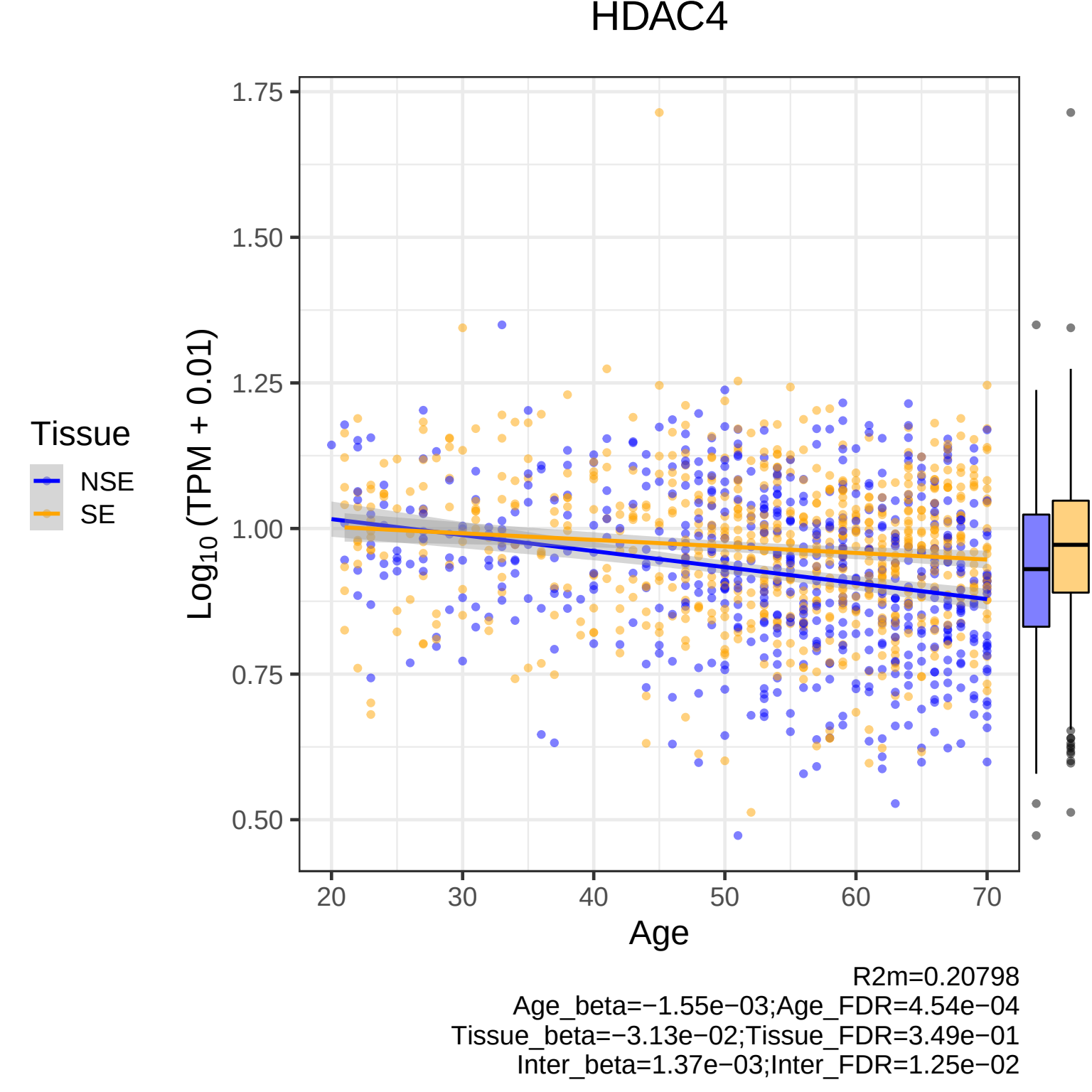

HMGN1
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.00
1.75
1.50
1.25
20
30
40
50
60
70
Age
R2m=0.20856
Age_beta=1.21e−03;Age_FDR=2.41e−03
Tissue_beta=−4.38e−02;Tissue_FDR=9.07e−02
Inter_beta=−4.62e−04;Inter_FDR=3.88e−01

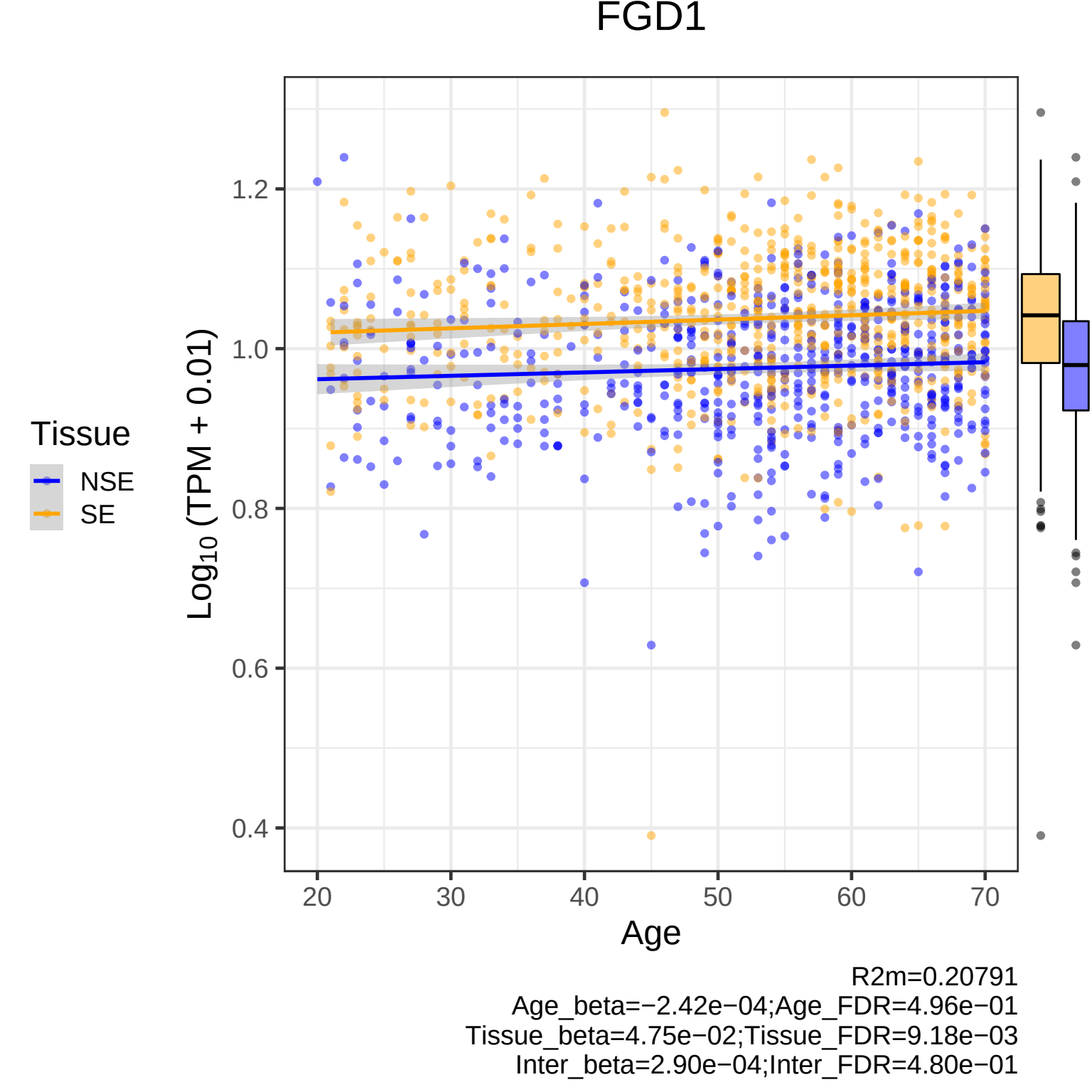

C10orf99
Tissue
NSE
SE
Log10 (TPM + 0.01)
3
2
1
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.20814
Age_beta=4.11e−03;Age_FDR=8.98e−03
Tissue_beta=4.37e−01;Tissue_FDR=4.73e−06
Inter_beta=−3.87e−04;Inter_FDR=8.82e−01

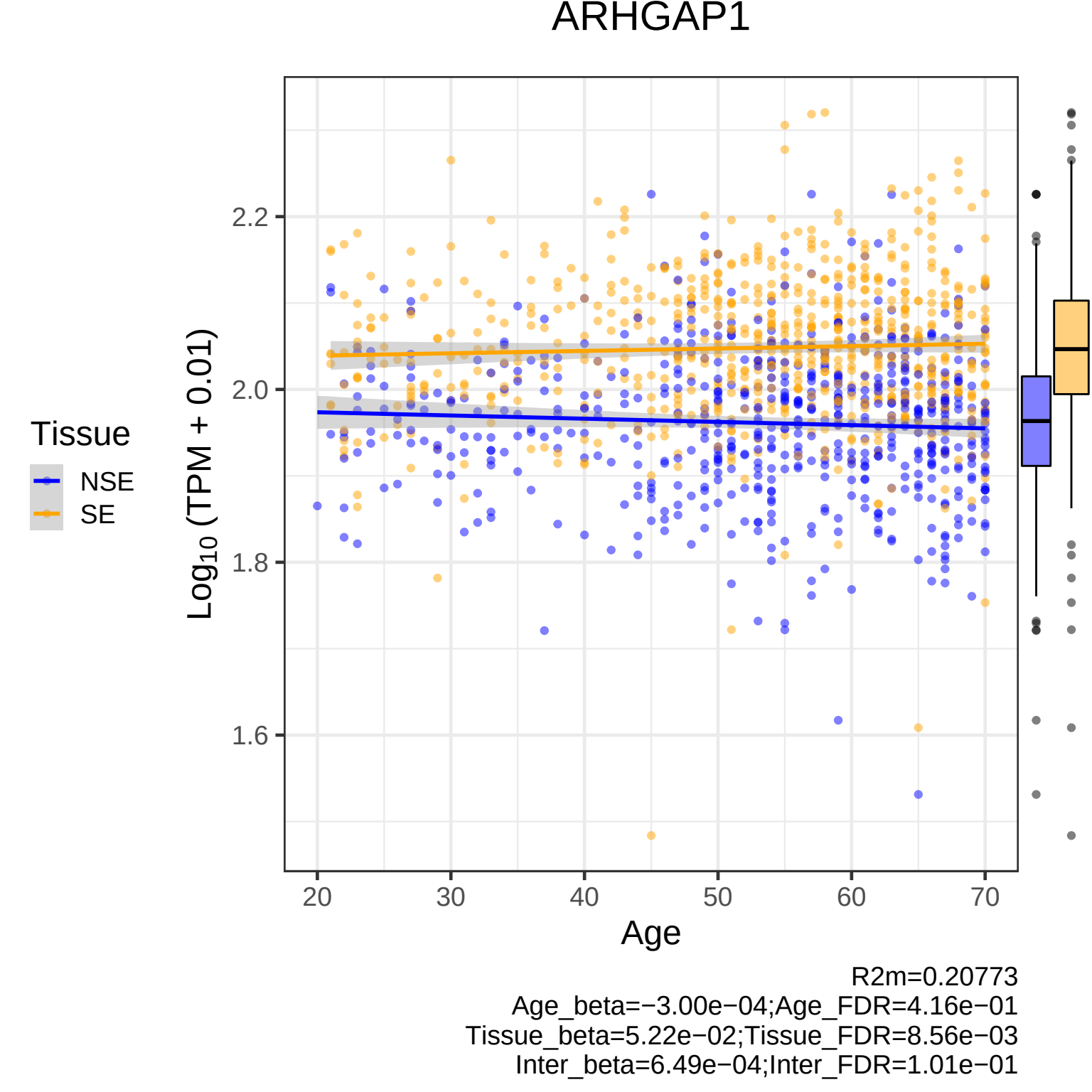

SMTN
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.0
1.5
20
30
40
50
60
70
Age
R2m=0.2081
Age_beta=9.65e−04;Age_FDR=1.23e−01
Tissue_beta=1.55e−01;Tissue_FDR=3.05e−05
Inter_beta=−4.58e−05;Inter_FDR=9.68e−01

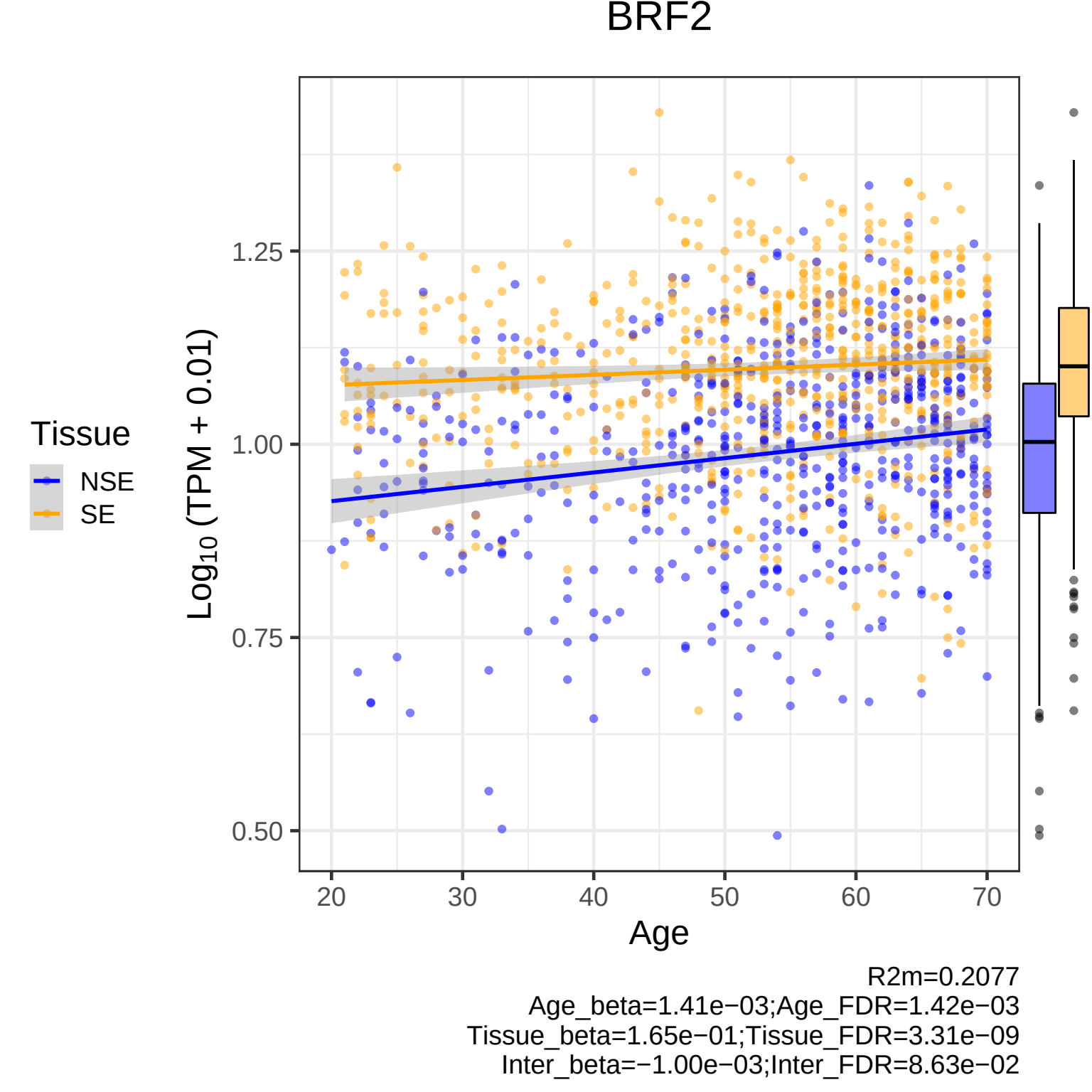

MTMR14
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.7
1.6
1.5
1.4
1.3
1.2
20
30
40
50
60
70
Age
R2m=0.20807
Age_beta=4.38e−04;Age_FDR=1.22e−01
Tissue_beta=8.11e−02;Tissue_FDR=4.97e−07
Inter_beta=−2.03e−04;Inter_FDR=6.10e−01

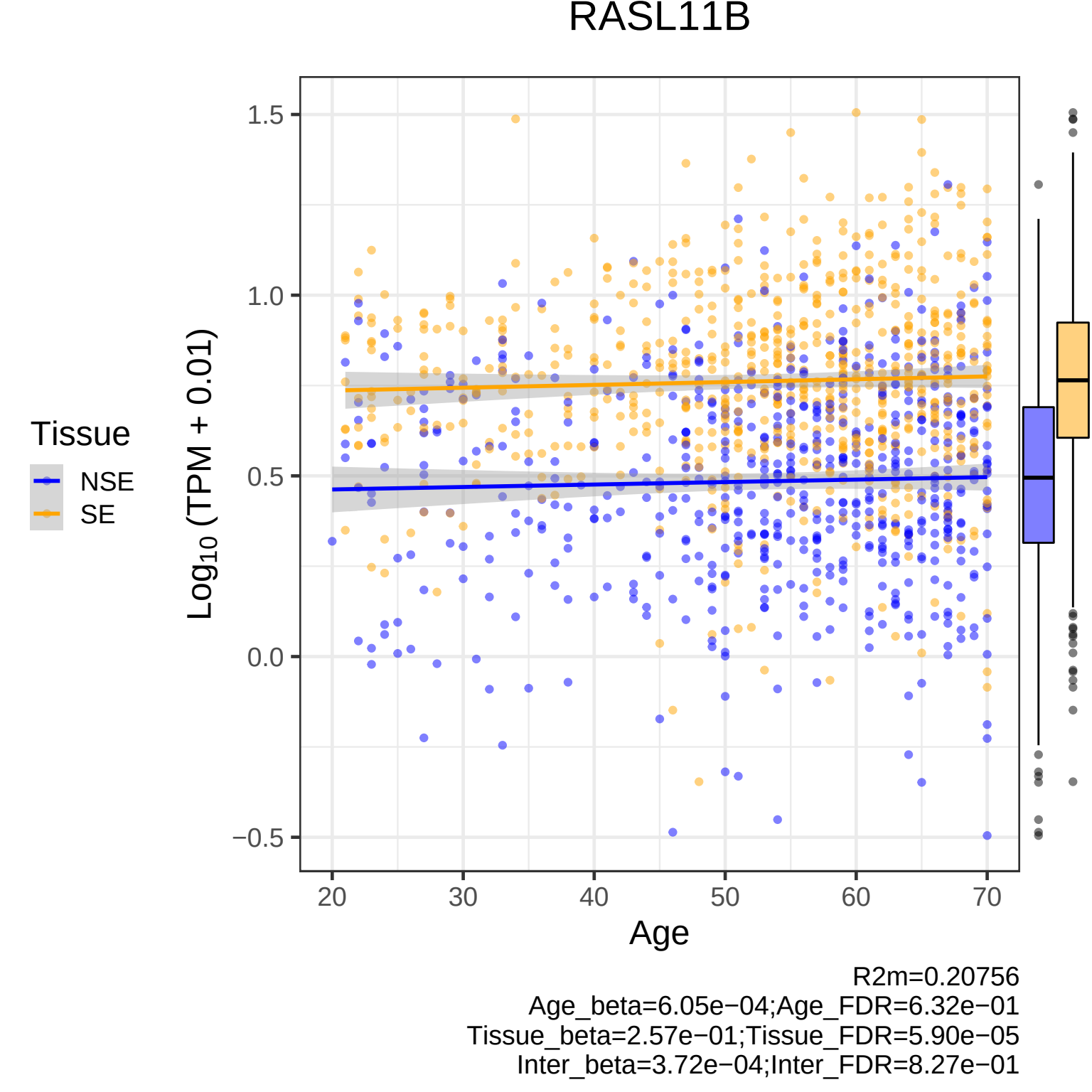

PI4K2A
Tissue
NSE
SE
1.8
1.6
1.4
1.2
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.20803
Age_beta=−1.52e−04;Age_FDR=7.47e−01
Tissue_beta=9.59e−02;Tissue_FDR=2.30e−05
Inter_beta=−1.58e−04;Inter_FDR=7.90e−01

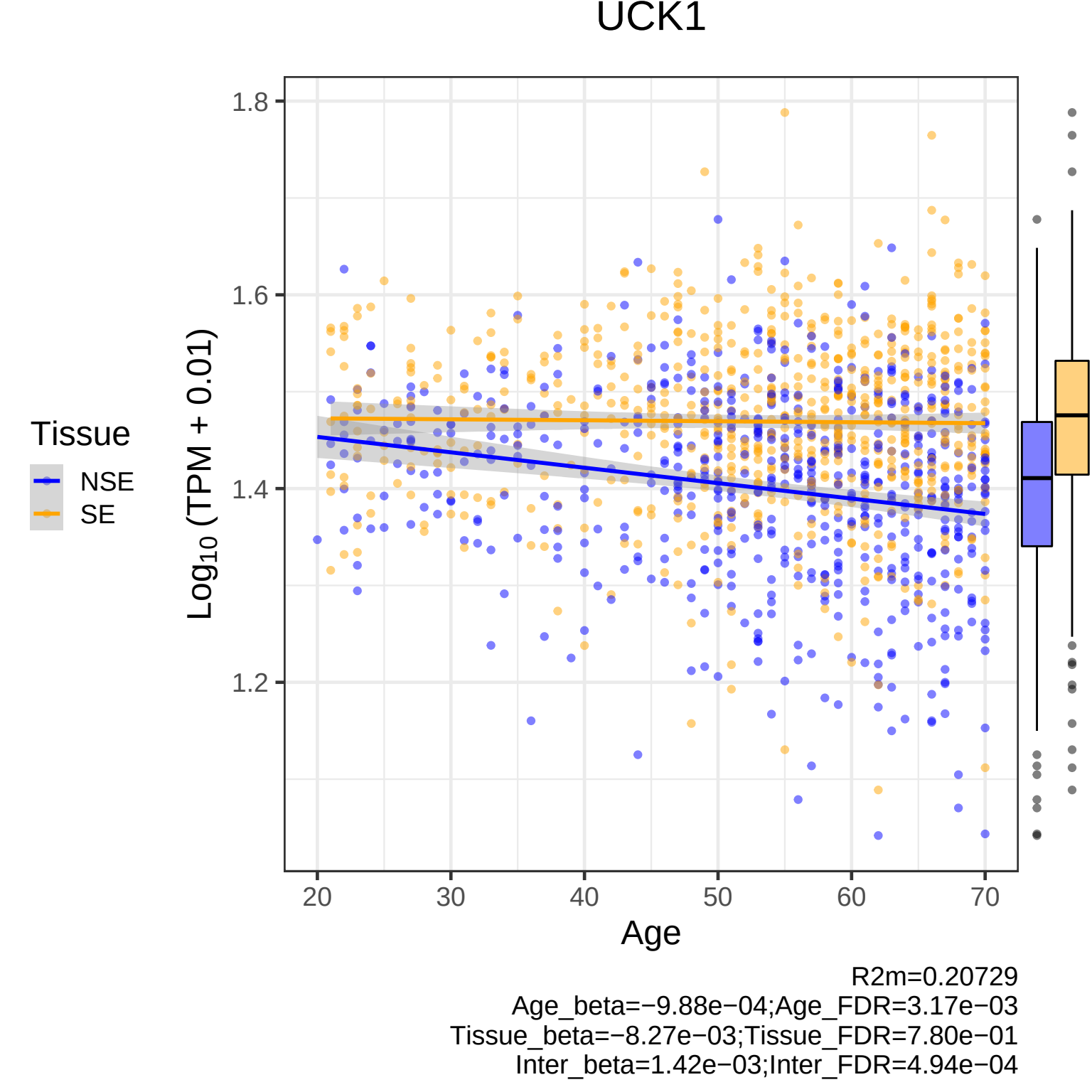

HDAC4
Tissue
NSE
SE
1.75
1.50
1.25
1.00
0.75
0.50
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.20798
Age_beta=−1.55e−03;Age_FDR=4.54e−04
Tissue_beta=−3.13e−02;Tissue_FDR=3.49e−01
Inter_beta=1.37e−03;Inter_FDR=1.25e−02

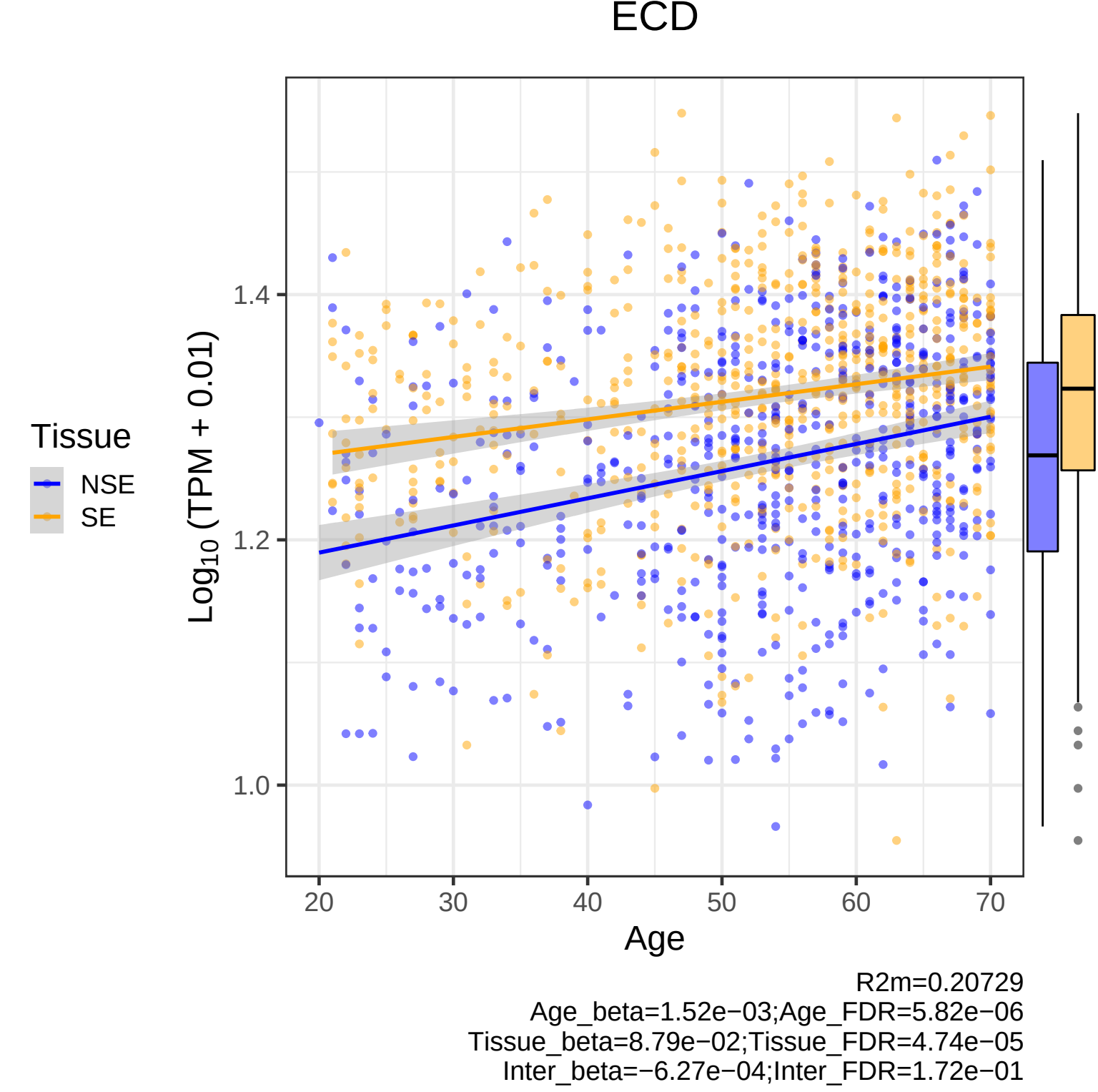

FGD1
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.2
1.0
0.8
0.6
0.4
20
30
40
50
60
70
Age
R2m=0.20791
Age_beta=−2.42e−04;Age_FDR=4.96e−01
Tissue_beta=4.75e−02;Tissue_FDR=9.18e−03
Inter_beta=2.90e−04;Inter_FDR=4.80e−01

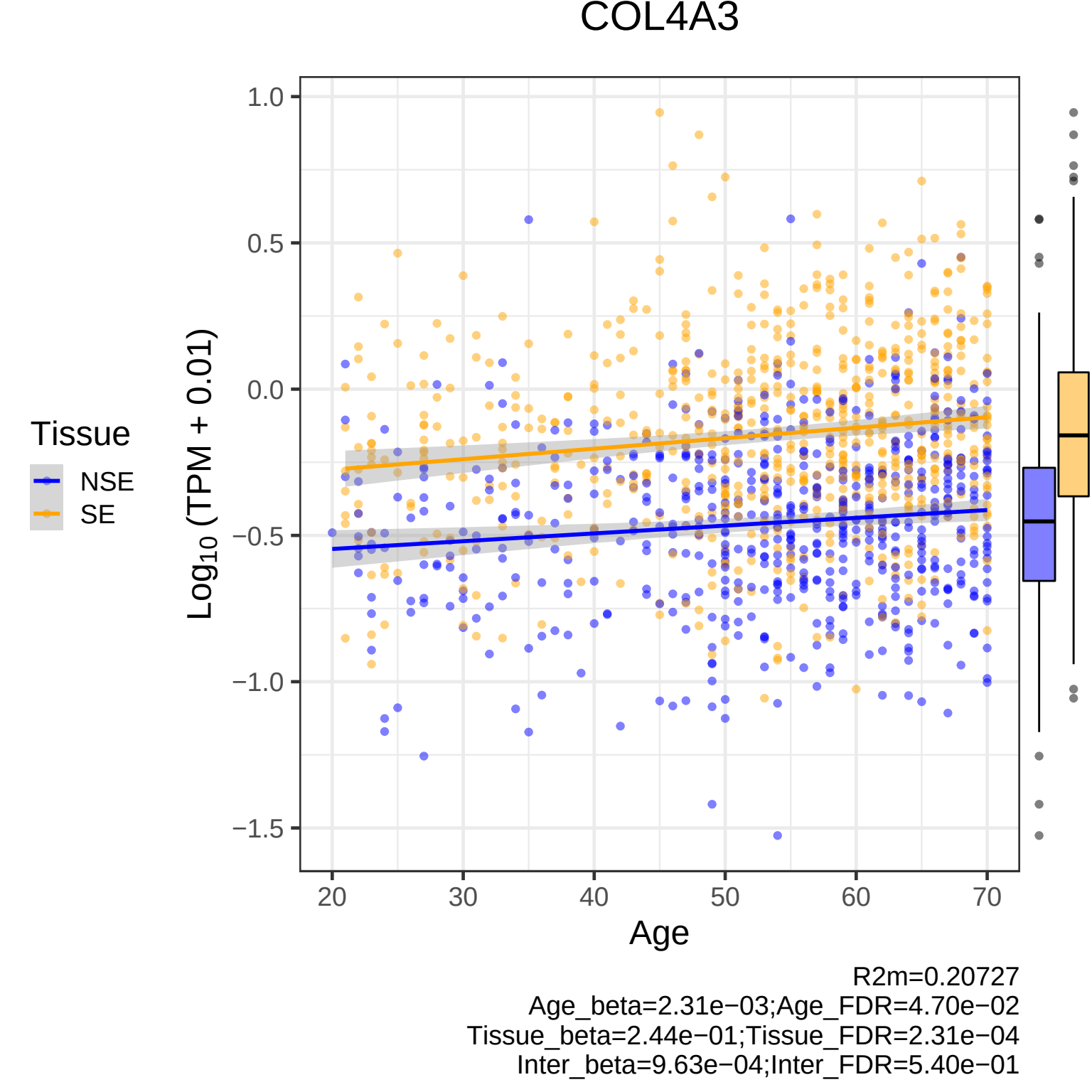

ARHGAP1
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.2
2.0
1.8
1.6
20
30
40
50
60
70
Age
R2m=0.20773
Age_beta=−3.00e−04;Age_FDR=4.16e−01
Tissue_beta=5.22e−02;Tissue_FDR=8.56e−03
Inter_beta=6.49e−04;Inter_FDR=1.01e−01

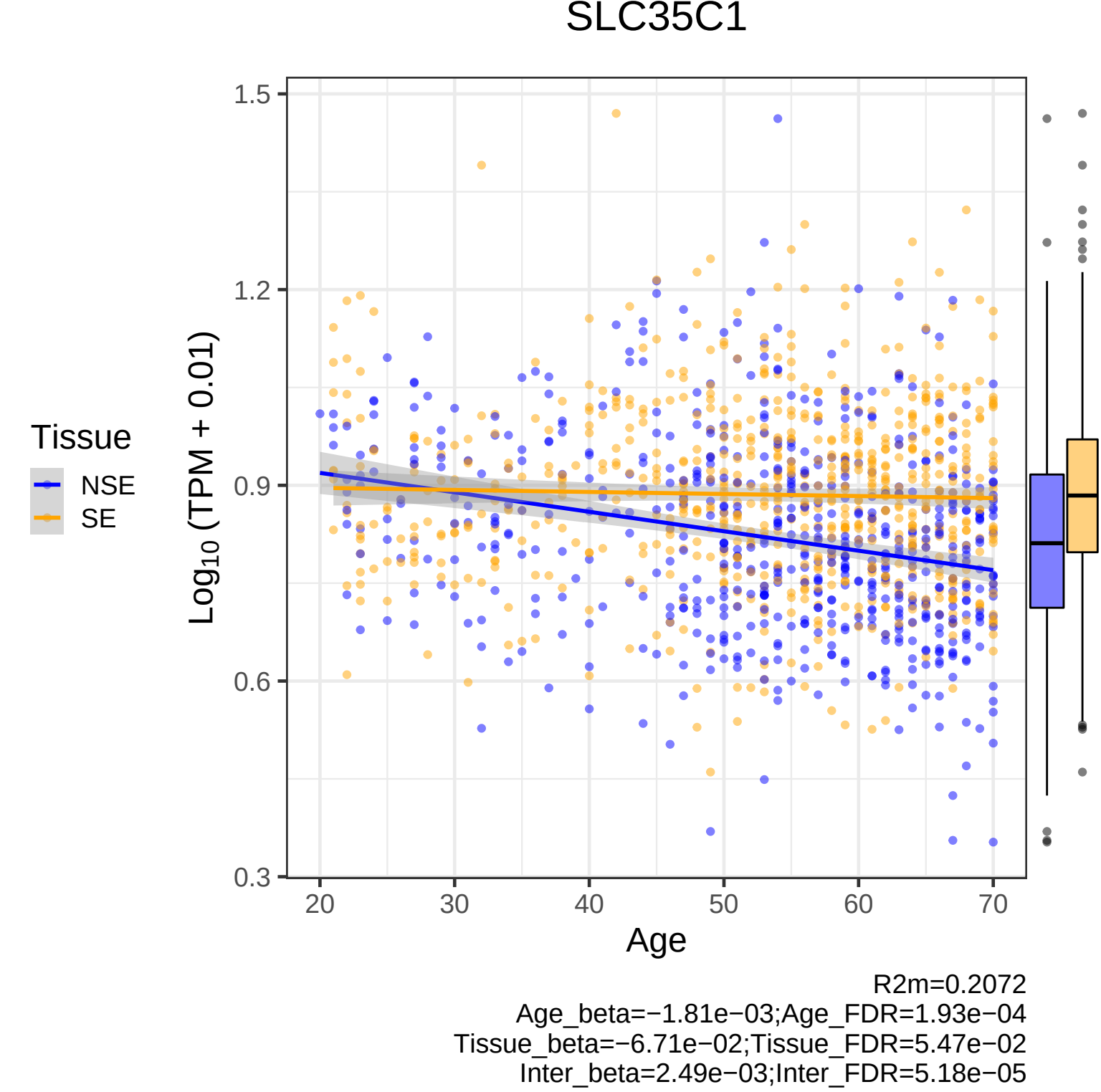

BRF2
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.25
1.00
0.75
0.50
20
30
40
50
60
70
Age
R2m=0.2077
Age_beta=1.41e−03;Age_FDR=1.42e−03
Tissue_beta=1.65e−01;Tissue_FDR=3.31e−09
Inter_beta=−1.00e−03;Inter_FDR=8.63e−02

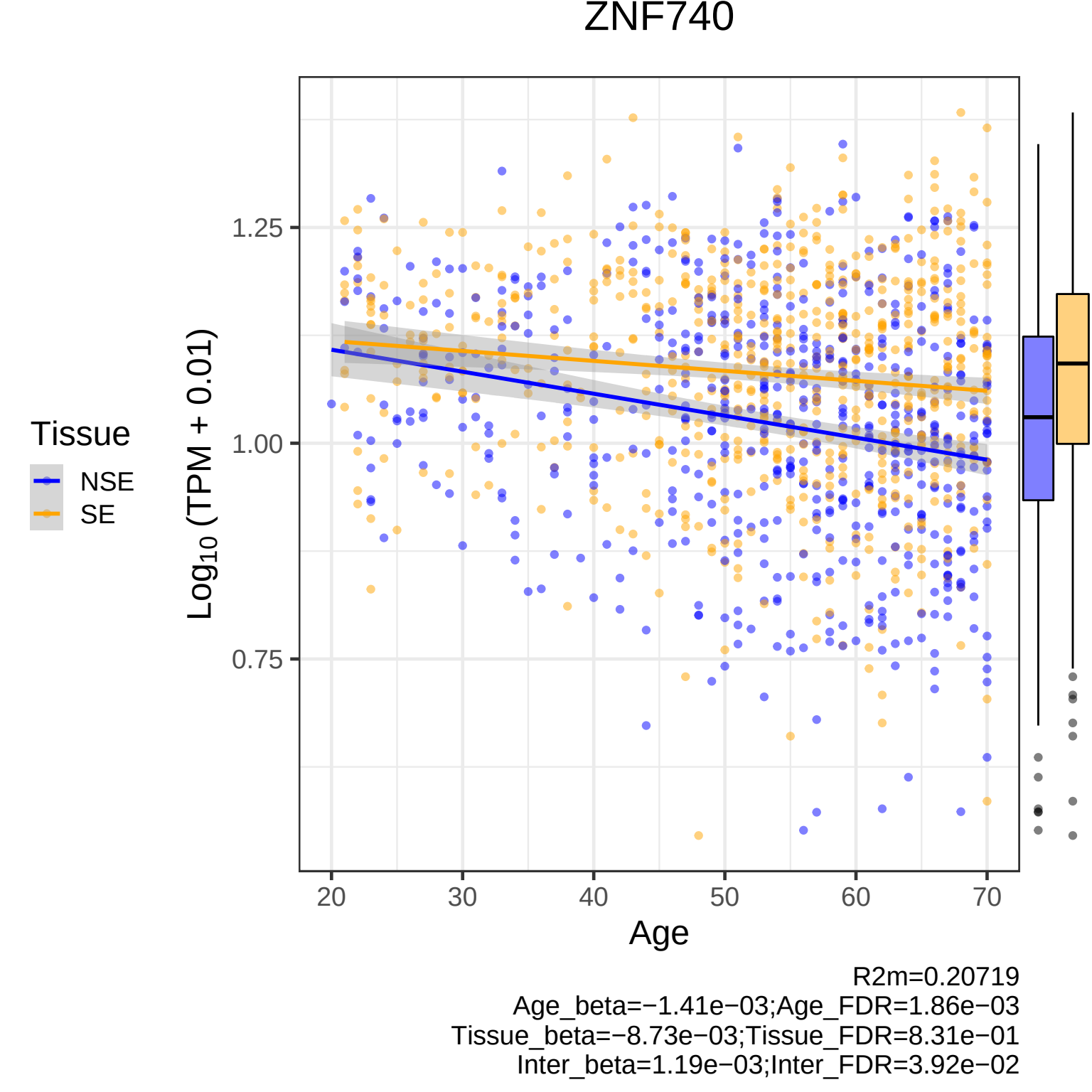

RASL11B
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.5
1.0
0.5
0.0
−0.5
20
30
40
50
60
70
Age
R2m=0.20756
Age_beta=6.05e−04;Age_FDR=6.32e−01
Tissue_beta=2.57e−01;Tissue_FDR=5.90e−05
Inter_beta=3.72e−04;Inter_FDR=8.27e−01

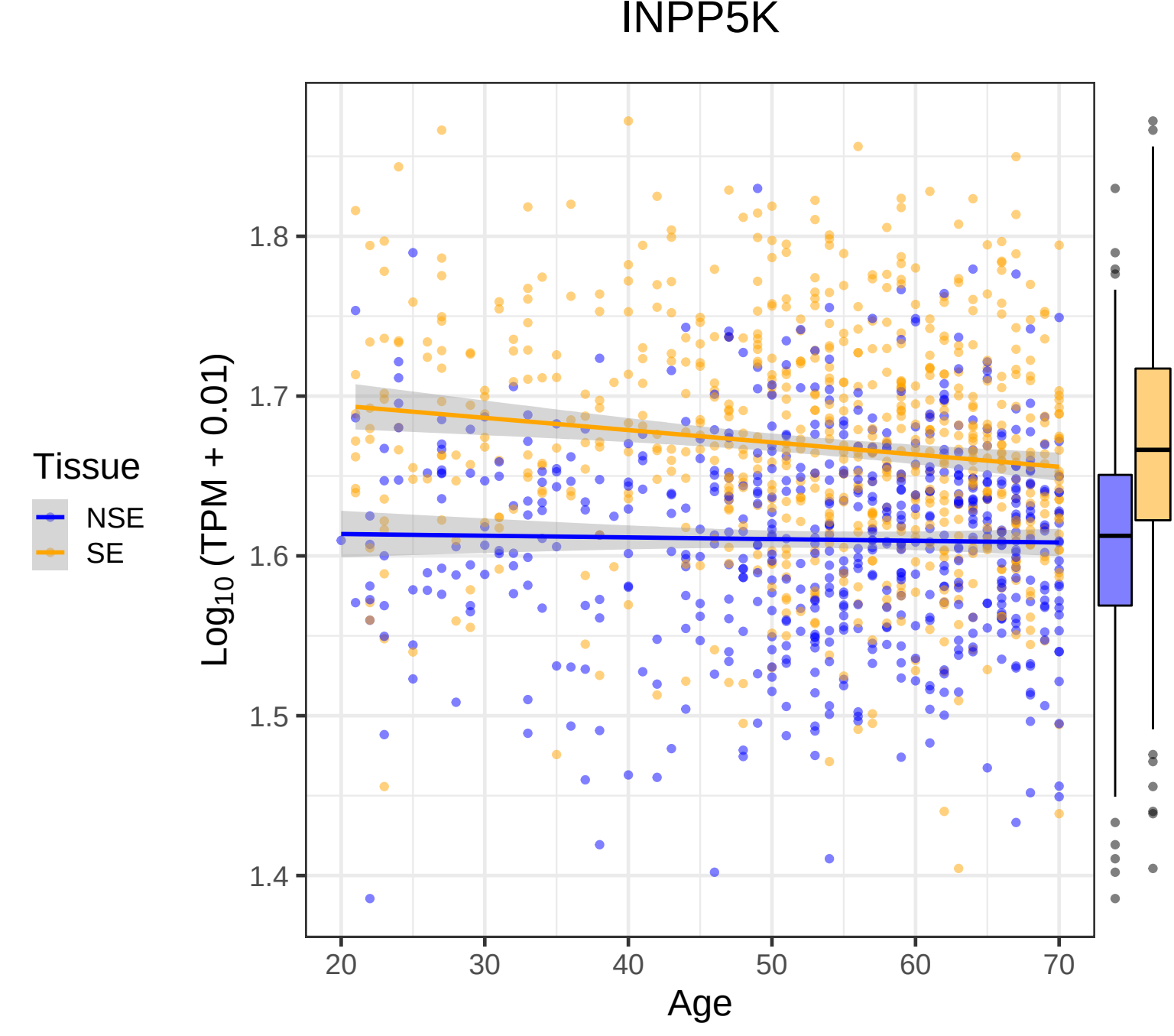

UCK1
Tissue
NSE
SE
1.8
1.6
1.4
1.2
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.20729
Age_beta=−9.88e−04;Age_FDR=3.17e−03
Tissue_beta=−8.27e−03;Tissue_FDR=7.80e−01
Inter_beta=1.42e−03;Inter_FDR=4.94e−04


ECD
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.4
1.2
1.0
20
30
40
50
60
70
Age
R2m=0.20729
Age_beta=1.52e−03;Age_FDR=5.82e−06
Tissue_beta=8.79e−02;Tissue_FDR=4.74e−05
Inter_beta=−6.27e−04;Inter_FDR=1.72e−01

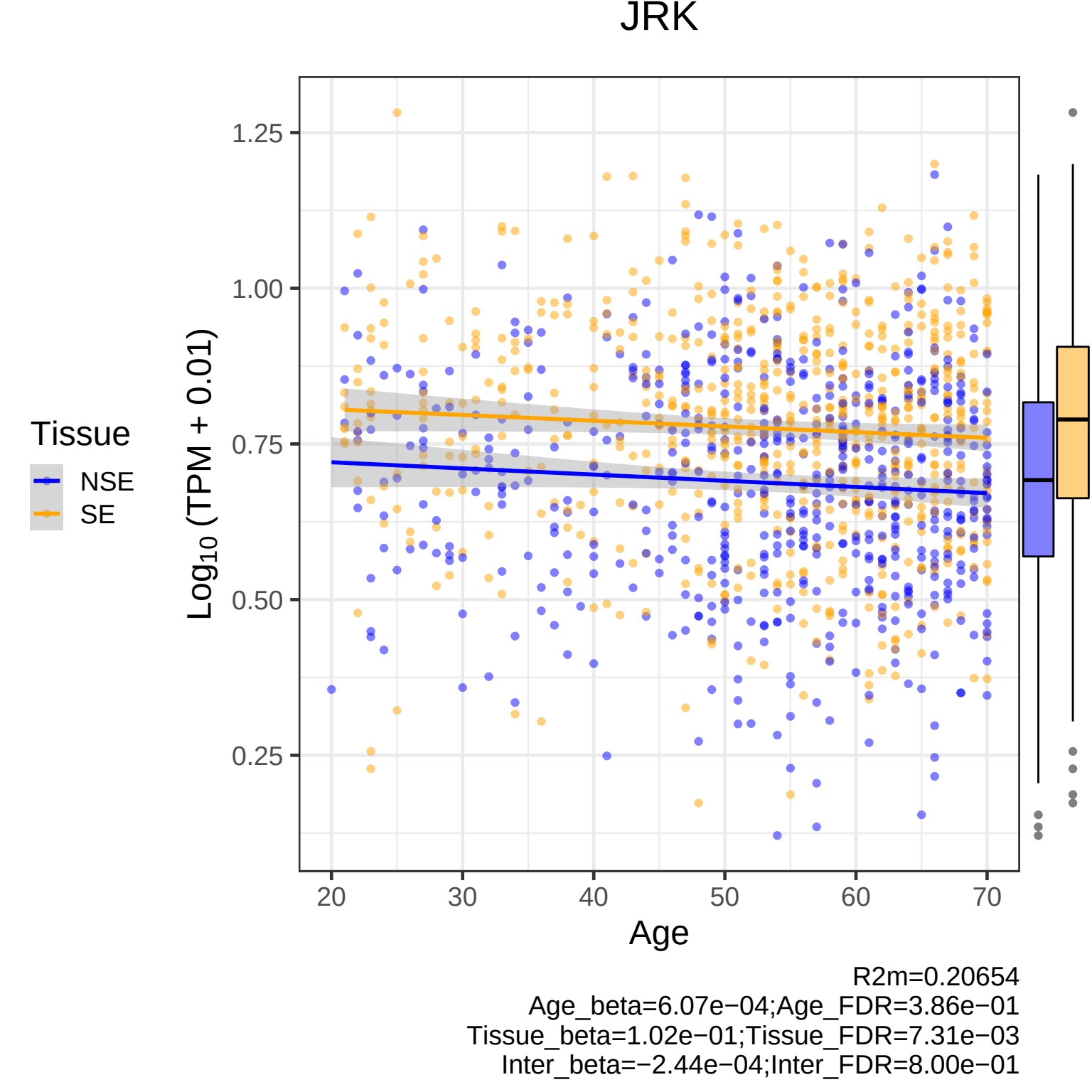

COL4A3
Tissue
NSE
SE
1.0
0.5
0.0
−0.5
−1.0
−1.5
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.20727
Age_beta=2.31e−03;Age_FDR=4.70e−02
Tissue_beta=2.44e−01;Tissue_FDR=2.31e−04
Inter_beta=9.63e−04;Inter_FDR=5.40e−01

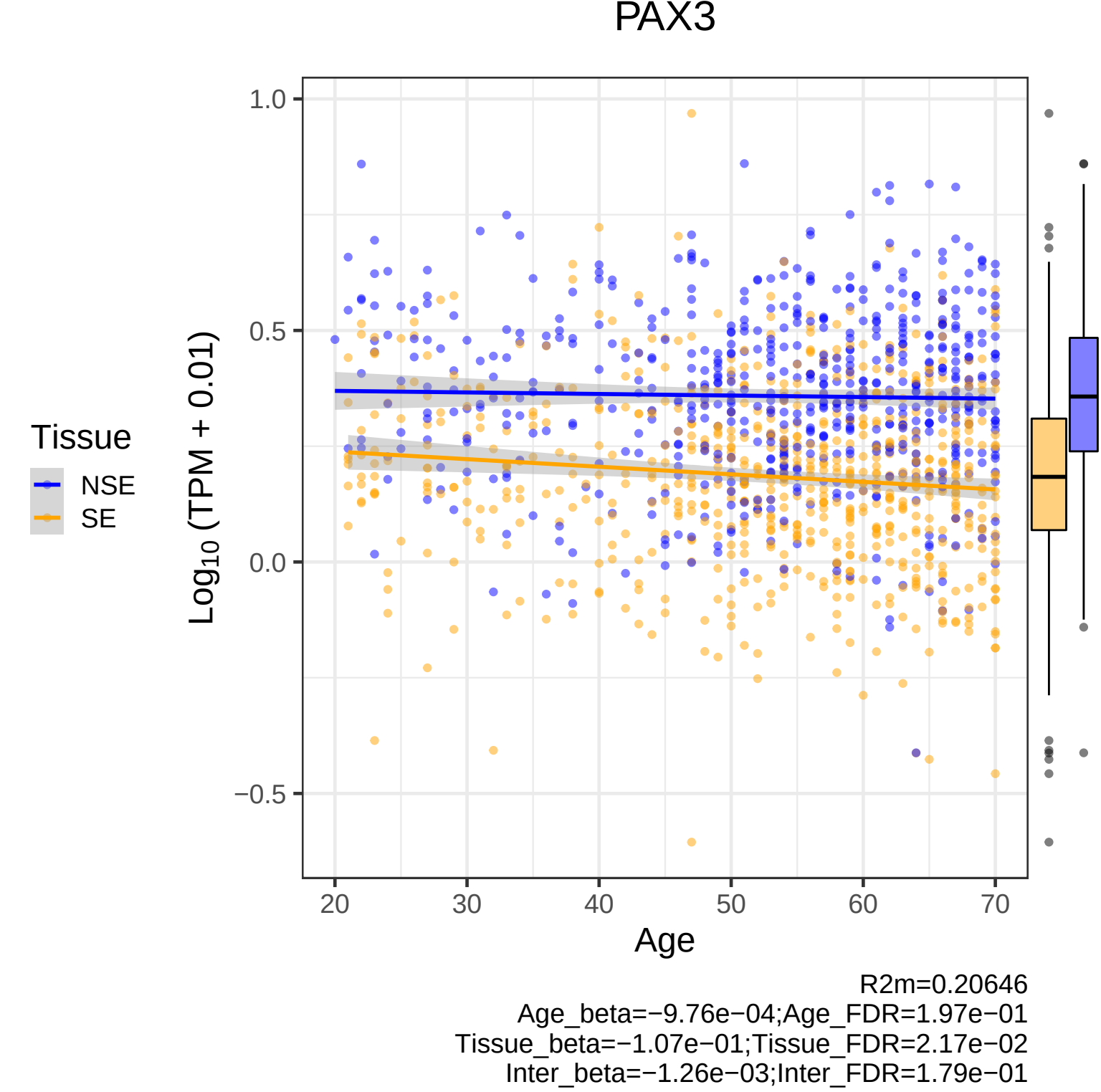

SLC35C1
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.5
1.2
0.9
0.6
0.3
20
30
40
50
60
70
Age
R2m=0.2072
Age_beta=−1.81e−03;Age_FDR=1.93e−04
Tissue_beta=−6.71e−02;Tissue_FDR=5.47e−02
Inter_beta=2.49e−03;Inter_FDR=5.18e−05

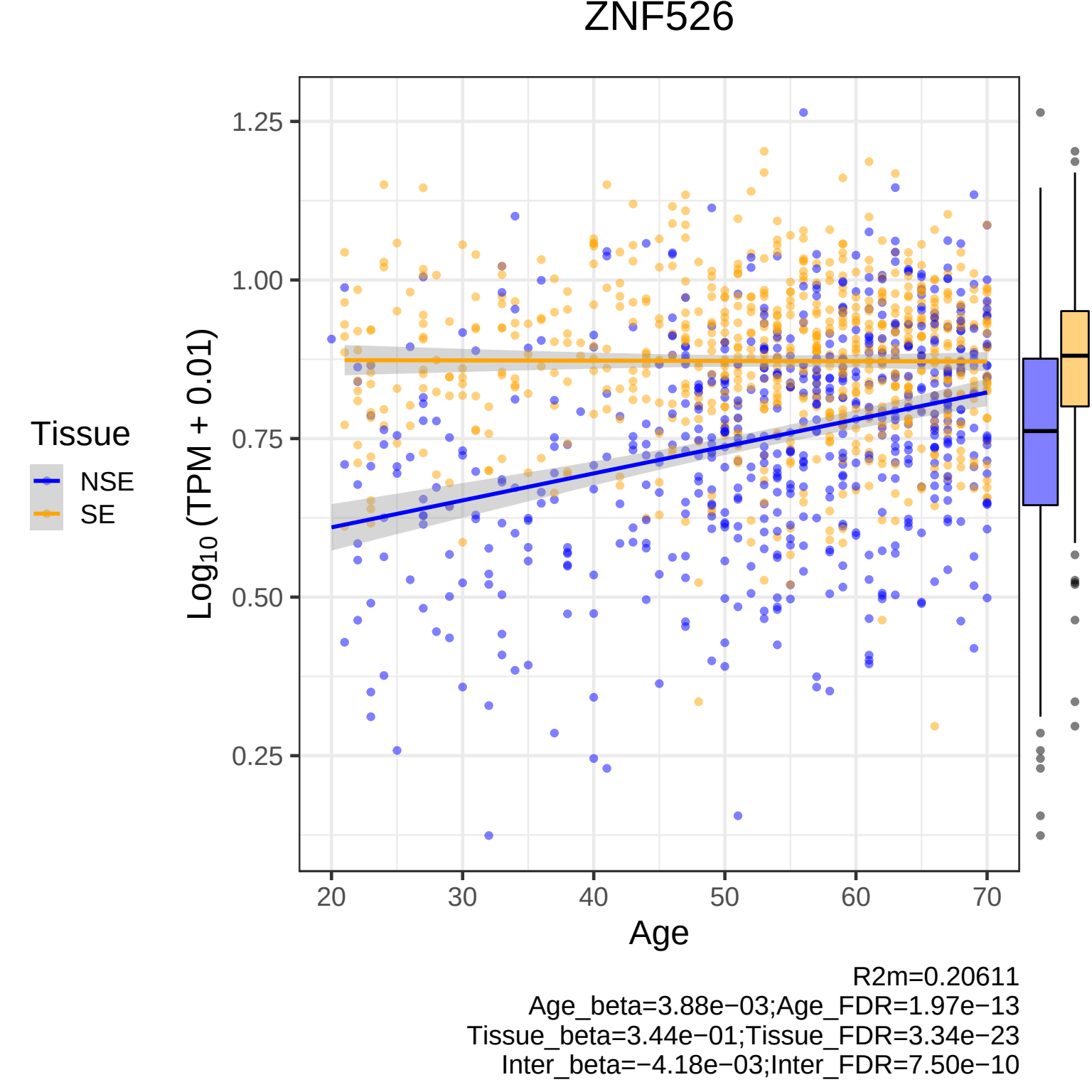

ZNF740
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.25
1.00
0.75
20
30
40
50
60
70
Age
R2m=0.20719
Age_beta=−1.41e−03;Age_FDR=1.86e−03
Tissue_beta=−8.73e−03;Tissue_FDR=8.31e−01
Inter_beta=1.19e−03;Inter_FDR=3.92e−02

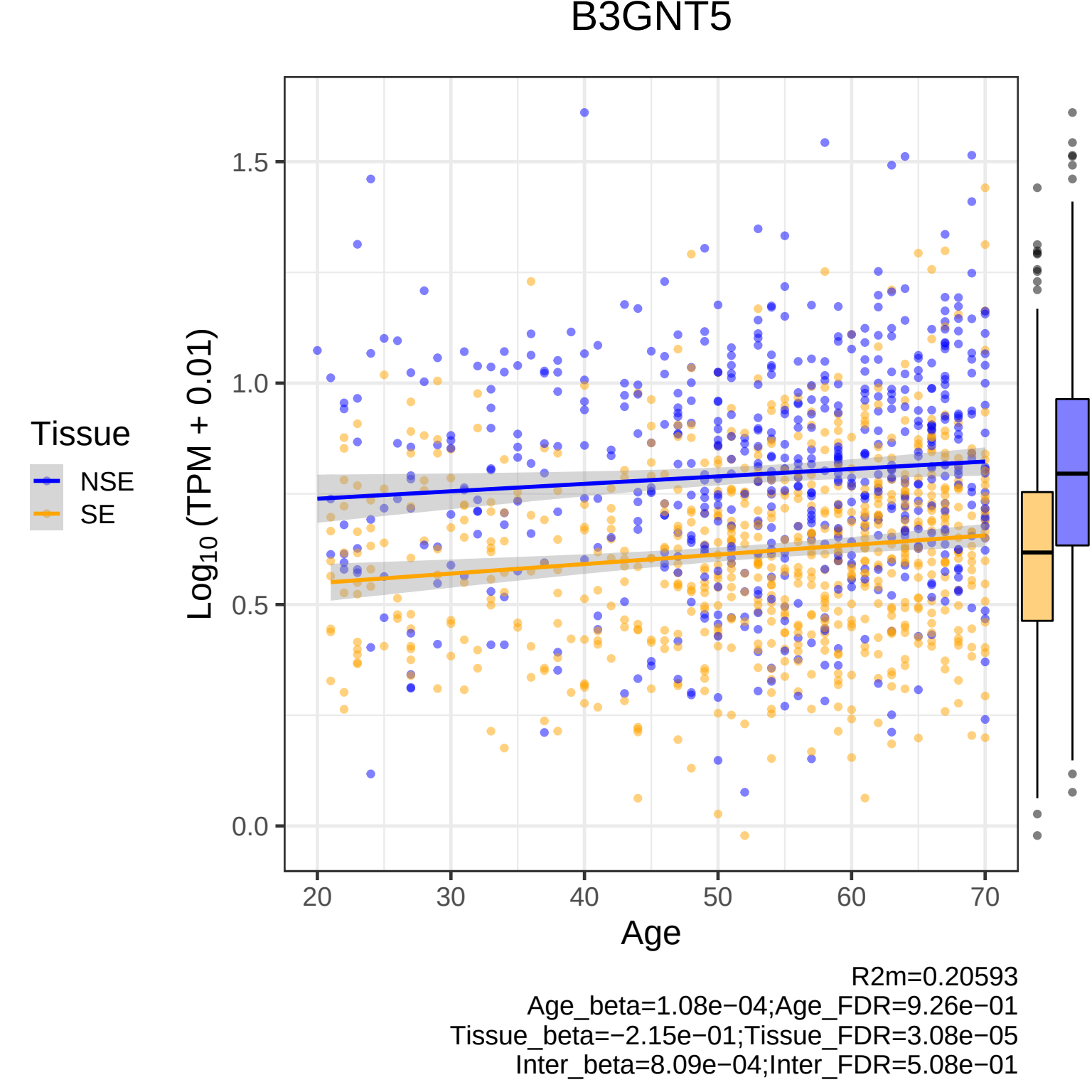


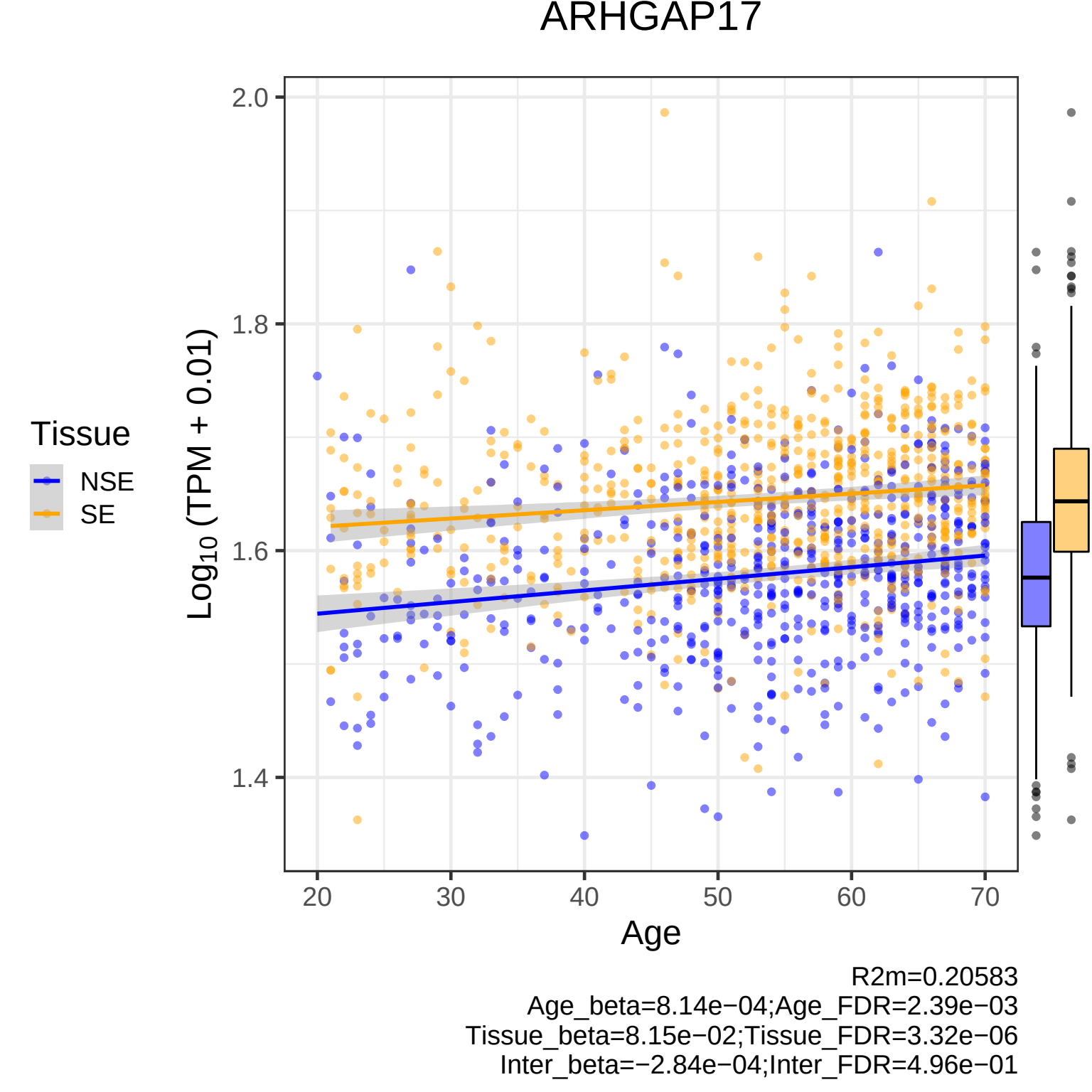
R2m=0.20663
Age_beta=1.95e−04;Age_FDR=5.16e−01
Tissue_beta=9.37e−02;Tissue_FDR=4.77e−10
Inter_beta=−6.67e−04;Inter_FDR=2.88e−02

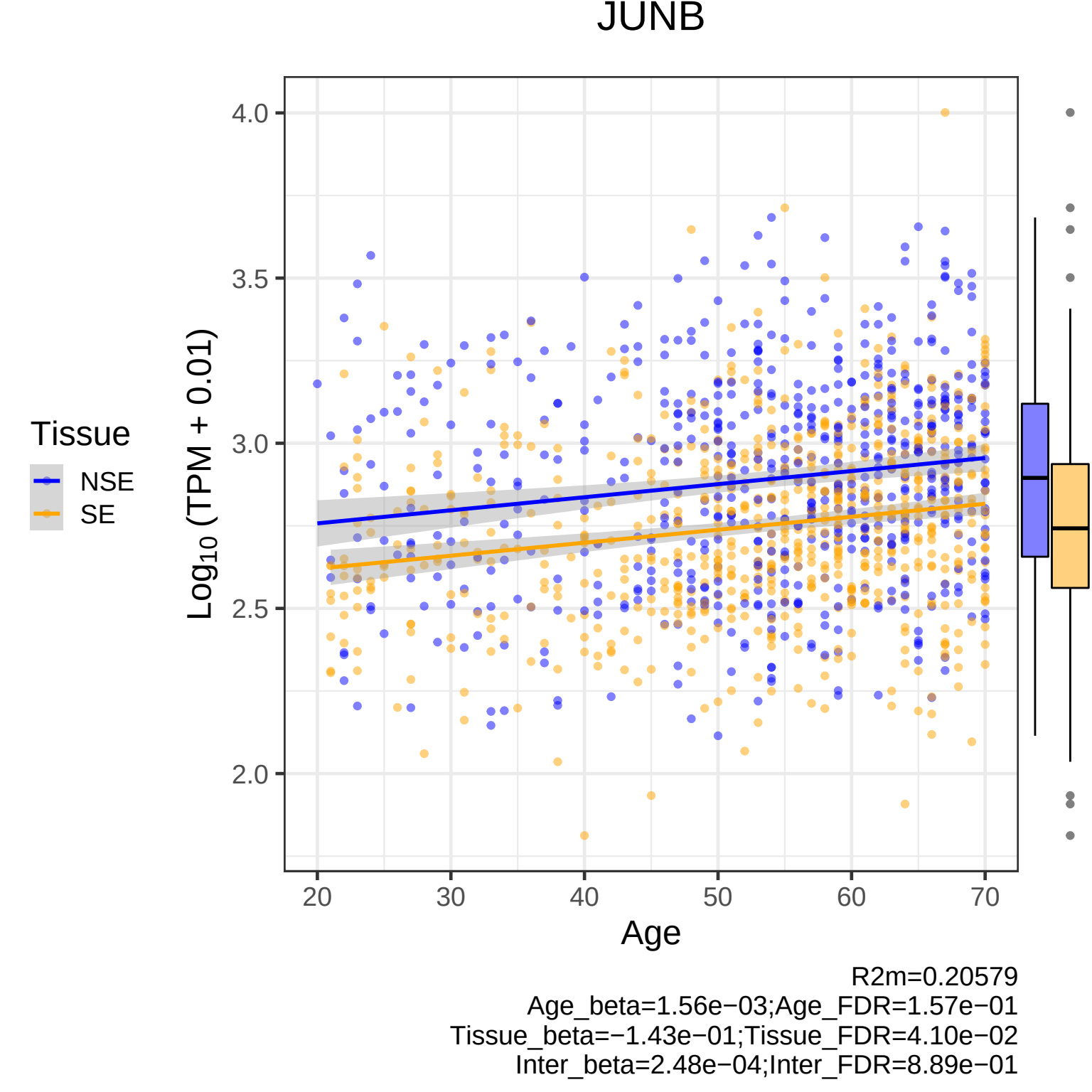

JRK
Tissue
NSE
SE
1.25
1.00
0.75
0.50
0.25
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.20654
Age_beta=6.07e−04;Age_FDR=3.86e−01
Tissue_beta=1.02e−01;Tissue_FDR=7.31e−03
Inter_beta=−2.44e−04;Inter_FDR=8.00e−01

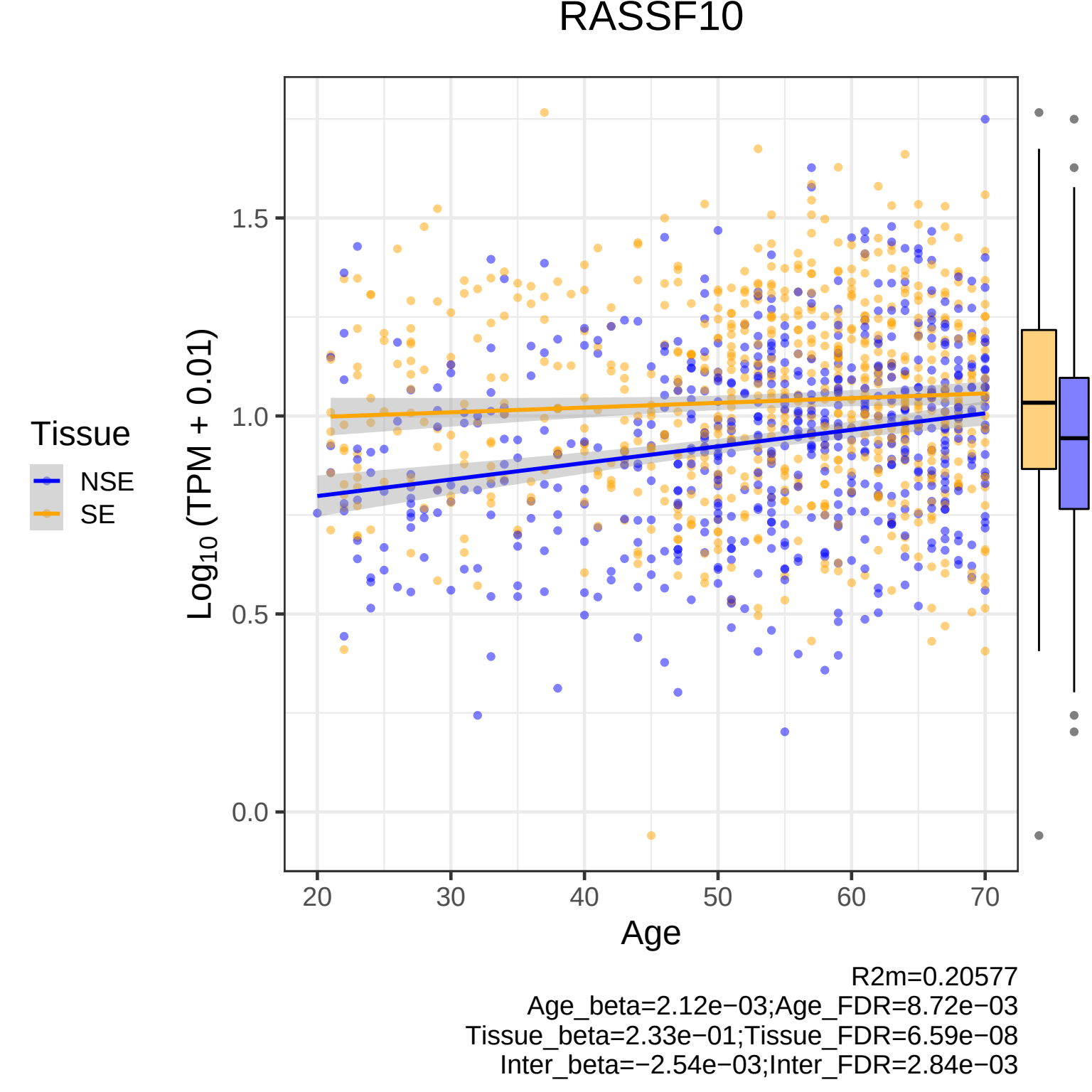

PAX3
Tissue
NSE
SE
1.0
0.5
0.0
−0.5
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.20646
Age_beta=−9.76e−04;Age_FDR=1.97e−01
Tissue_beta=−1.07e−01;Tissue_FDR=2.17e−02
Inter_beta=−1.26e−03;Inter_FDR=1.79e−01

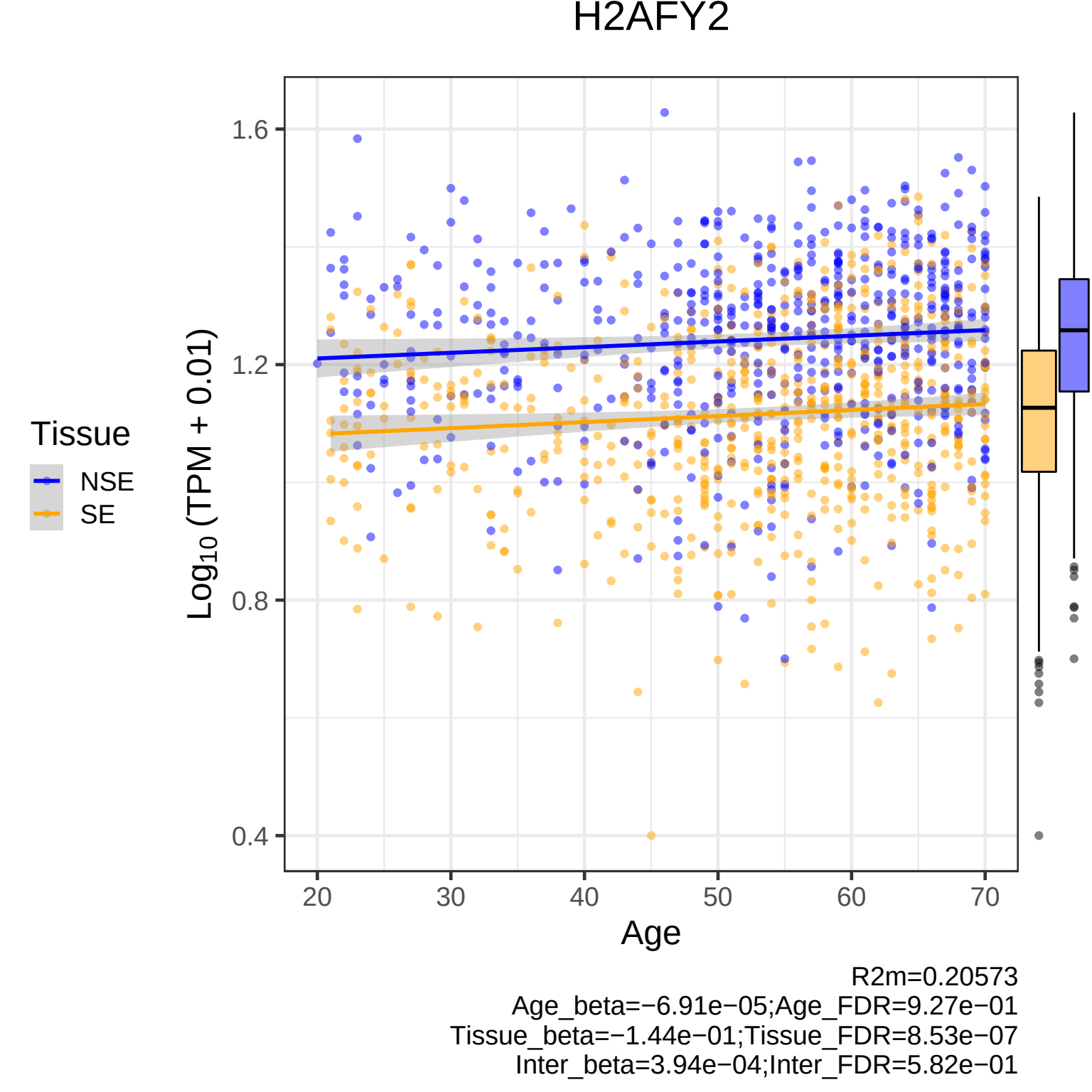

ZNF526
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.25
1.00
0.75
0.50
0.25
20
30
40
50
60
70
Age
R2m=0.20611
Age_beta=3.88e−03;Age_FDR=1.97e−13
Tissue_beta=3.44e−01;Tissue_FDR=3.34e−23
Inter_beta=−4.18e−03;Inter_FDR=7.50e−10

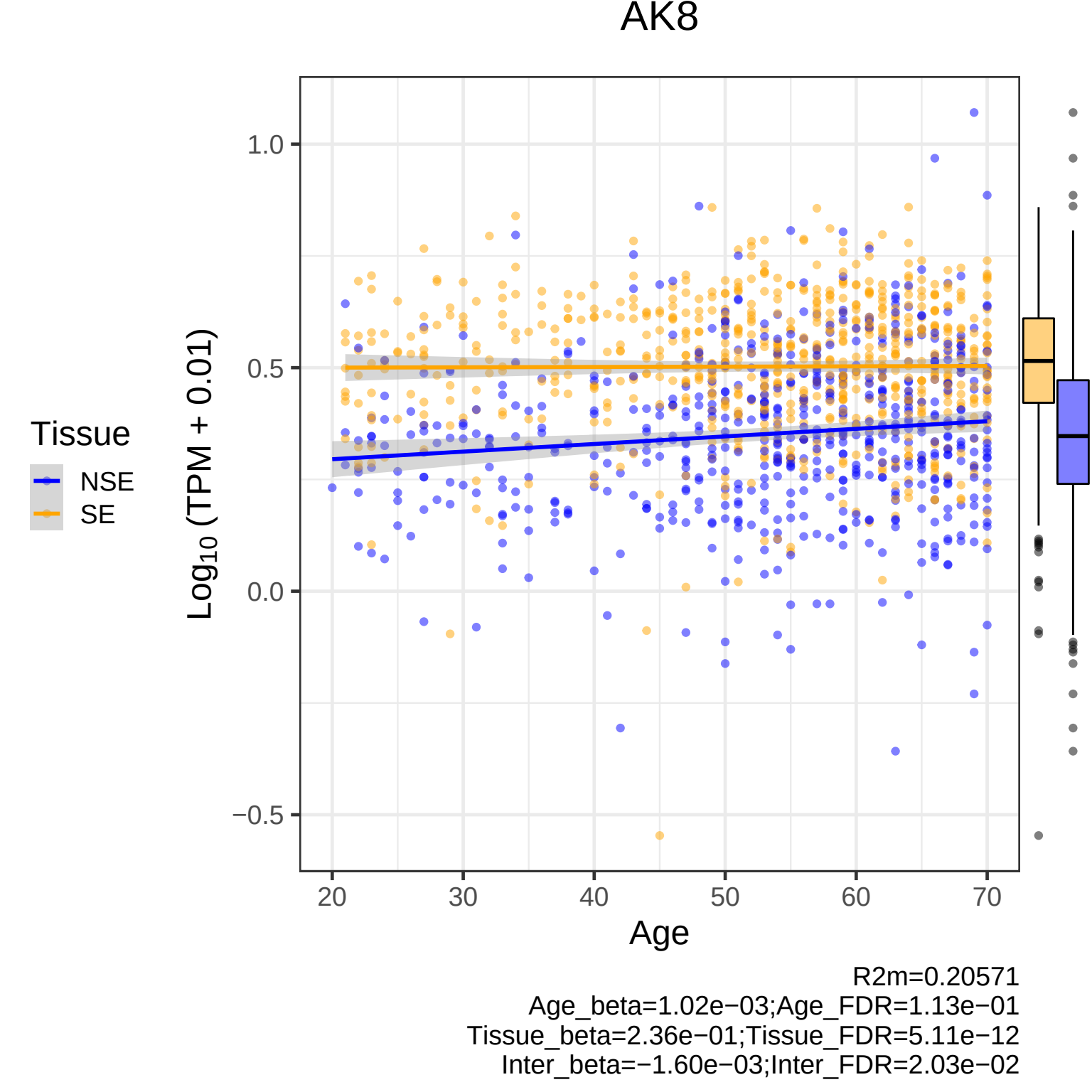

B3GNT5
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.5
1.0
0.5
0.0
20
30
40
50
60
70
Age
R2m=0.20593
Age_beta=1.08e−04;Age_FDR=9.26e−01
Tissue_beta=−2.15e−01;Tissue_FDR=3.08e−05
Inter_beta=8.09e−04;Inter_FDR=5.08e−01

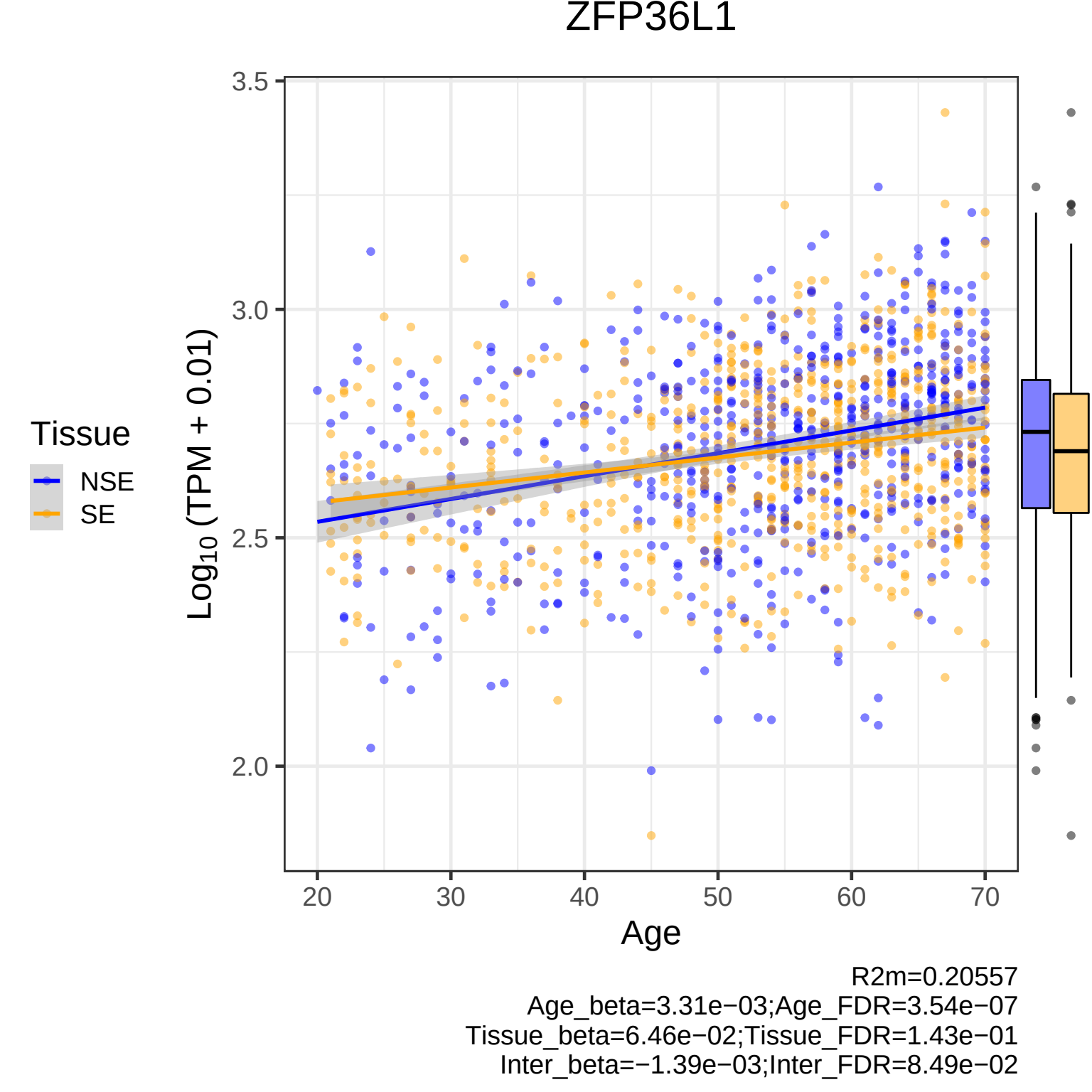

ARHGAP17
Tissue
NSE
SE
2.0
1.8
1.6
1.4
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.20583
Age_beta=8.14e−04;Age_FDR=2.39e−03
Tissue_beta=8.15e−02;Tissue_FDR=3.32e−06
Inter_beta=−2.84e−04;Inter_FDR=4.96e−01

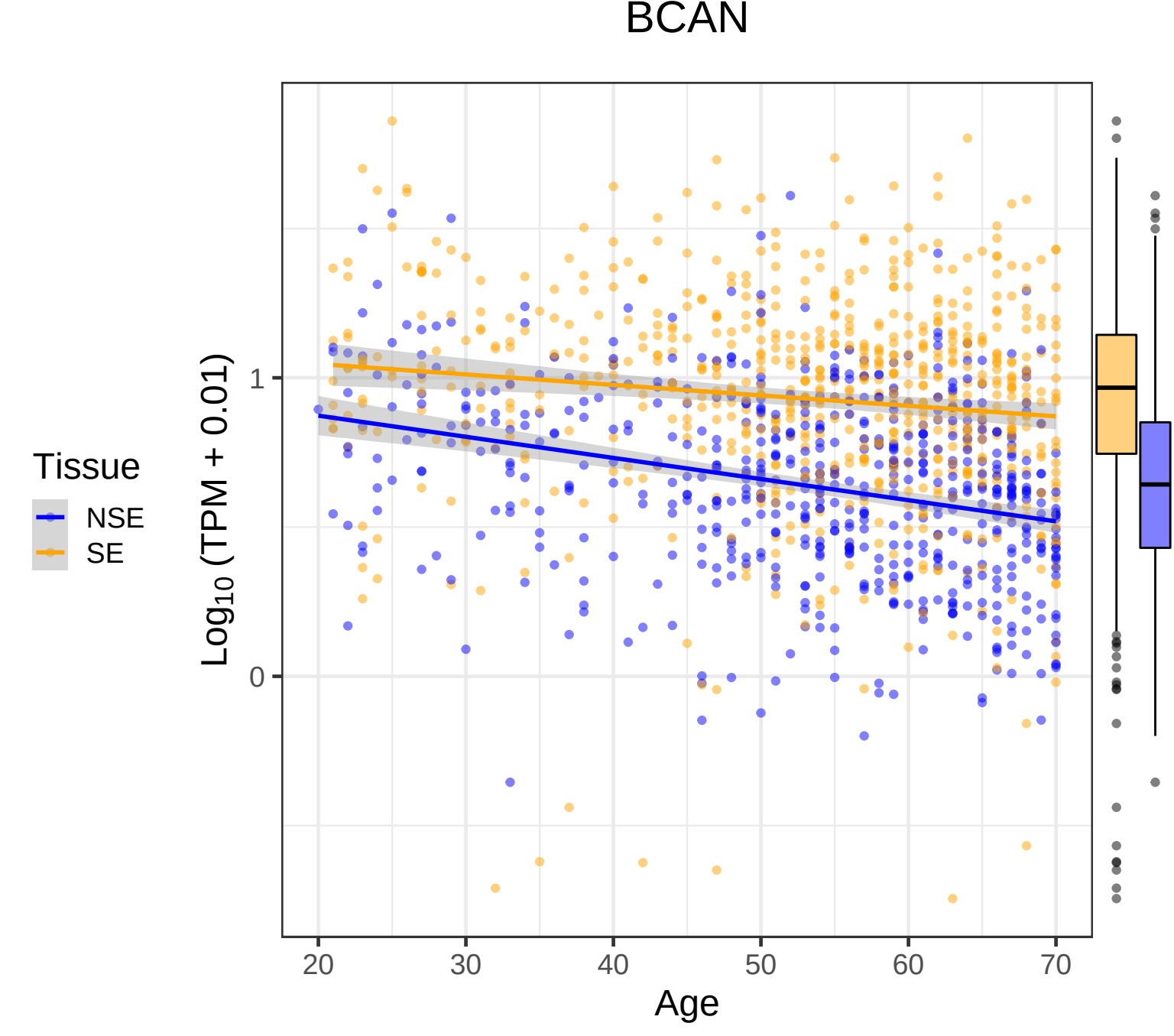

JUNB
Tissue
NSE
SE
Log10 (TPM + 0.01)
4.0
3.5
3.0
2.5
2.0
20
30
40
50
60
70
Age
R2m=0.20579
Age_beta=1.56e−03;Age_FDR=1.57e−01
Tissue_beta=−1.43e−01;Tissue_FDR=4.10e−02
Inter_beta=2.48e−04;Inter_FDR=8.89e−01


RASSF10
Tissue
NSE
SE
Log10 (TPM + 0.01)
0.0
0.5
1.0
1.5
20
30
40
50
60
70
Age
R2m=0.20577
Age_beta=2.12e−03;Age_FDR=8.72e−03
Tissue_beta=2.33e−01;Tissue_FDR=6.59e−08
Inter_beta=−2.54e−03;Inter_FDR=2.84e−03

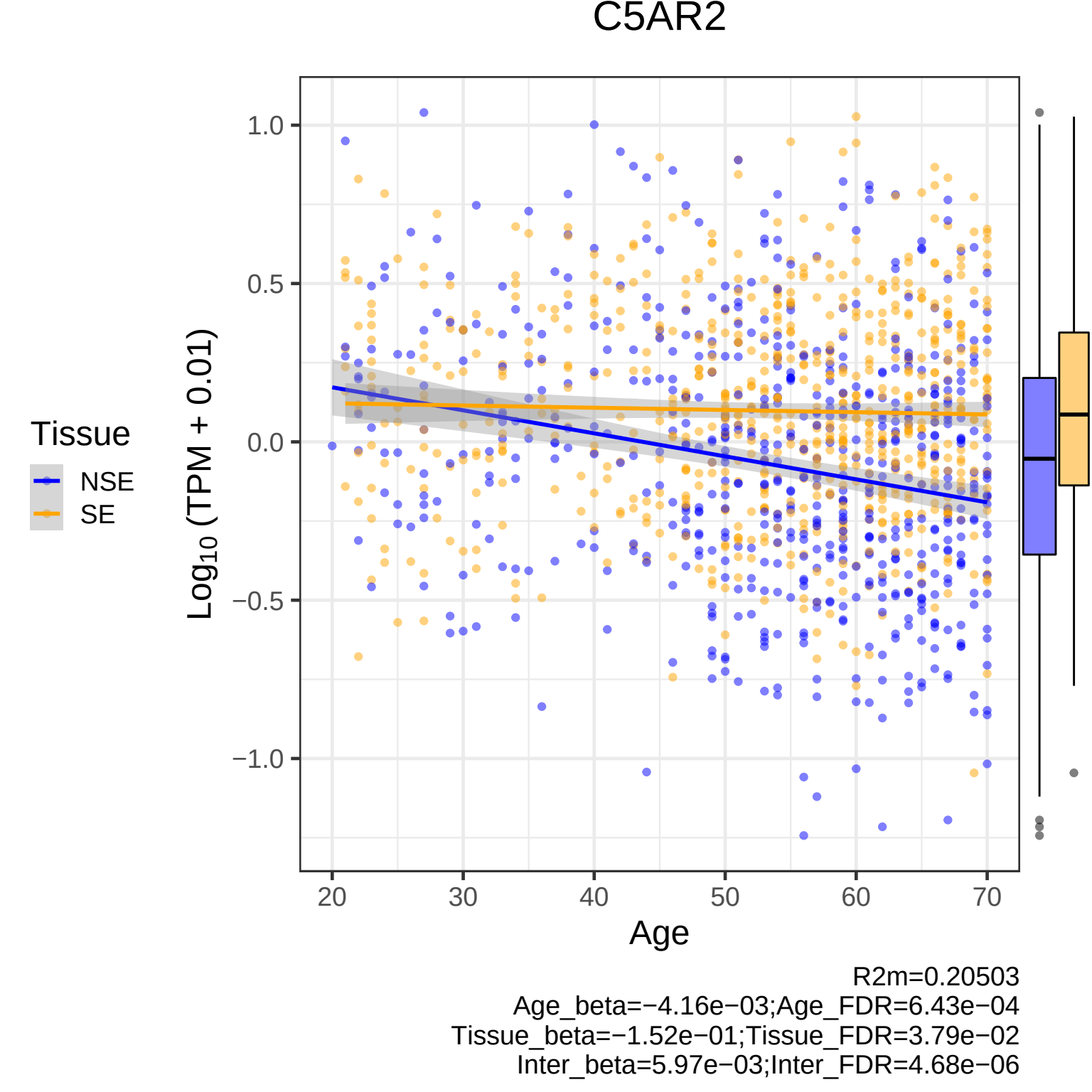

H2AFY2
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.6
1.2
0.8
0.4
20
30
40
50
60
70
Age
R2m=0.20573
Age_beta=−6.91e−05;Age_FDR=9.27e−01
Tissue_beta=−1.44e−01;Tissue_FDR=8.53e−07
Inter_beta=3.94e−04;Inter_FDR=5.82e−01

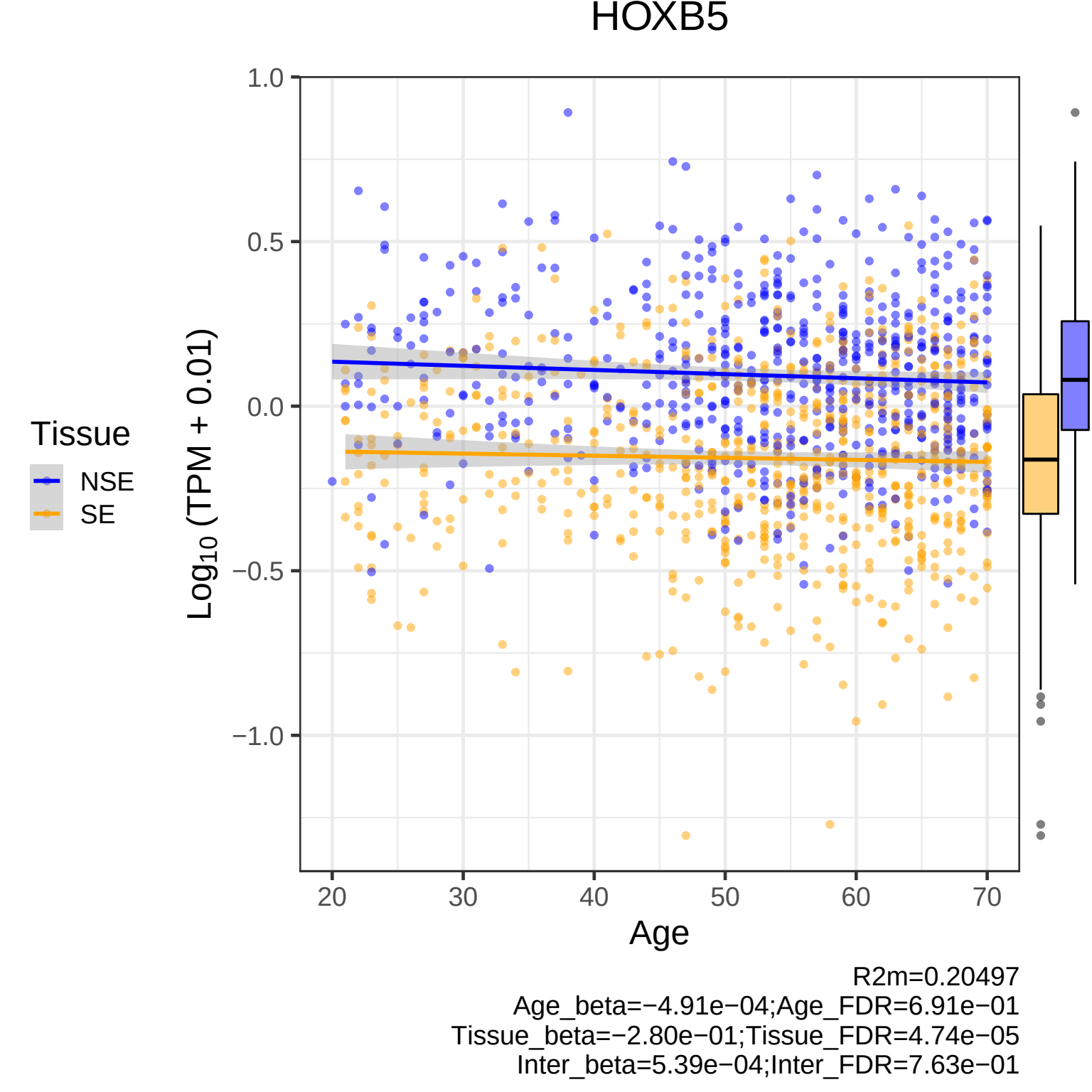

AK8
Tissue
NSE
SE
1.0
0.5
0.0
−0.5
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.20571
Age_beta=1.02e−03;Age_FDR=1.13e−01
Tissue_beta=2.36e−01;Tissue_FDR=5.11e−12
Inter_beta=−1.60e−03;Inter_FDR=2.03e−02

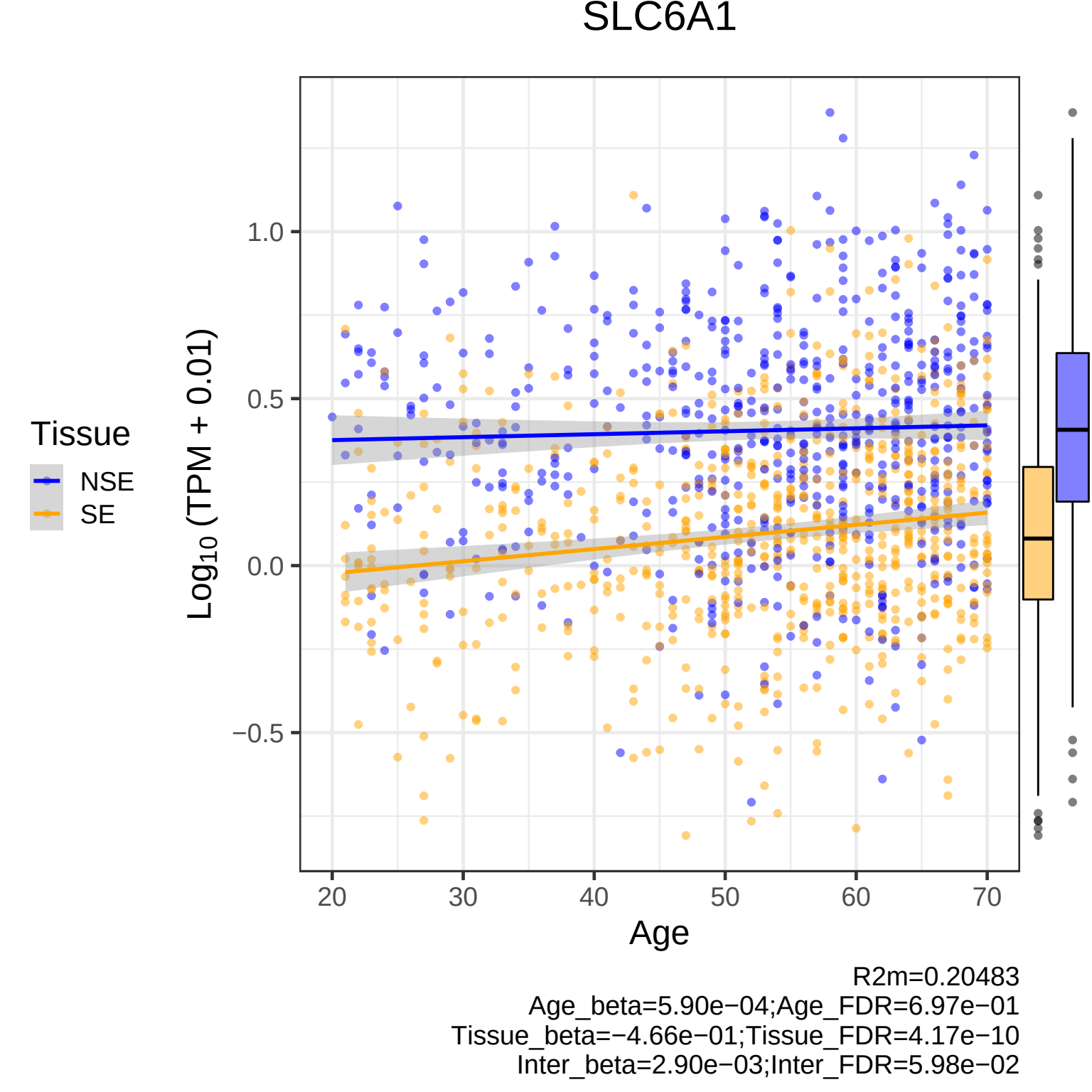

ZFP36L1
Tissue
NSE
SE
3.5
3.0
2.5
2.0
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.20557
Age_beta=3.31e−03;Age_FDR=3.54e−07
Tissue_beta=6.46e−02;Tissue_FDR=1.43e−01
Inter_beta=−1.39e−03;Inter_FDR=8.49e−02

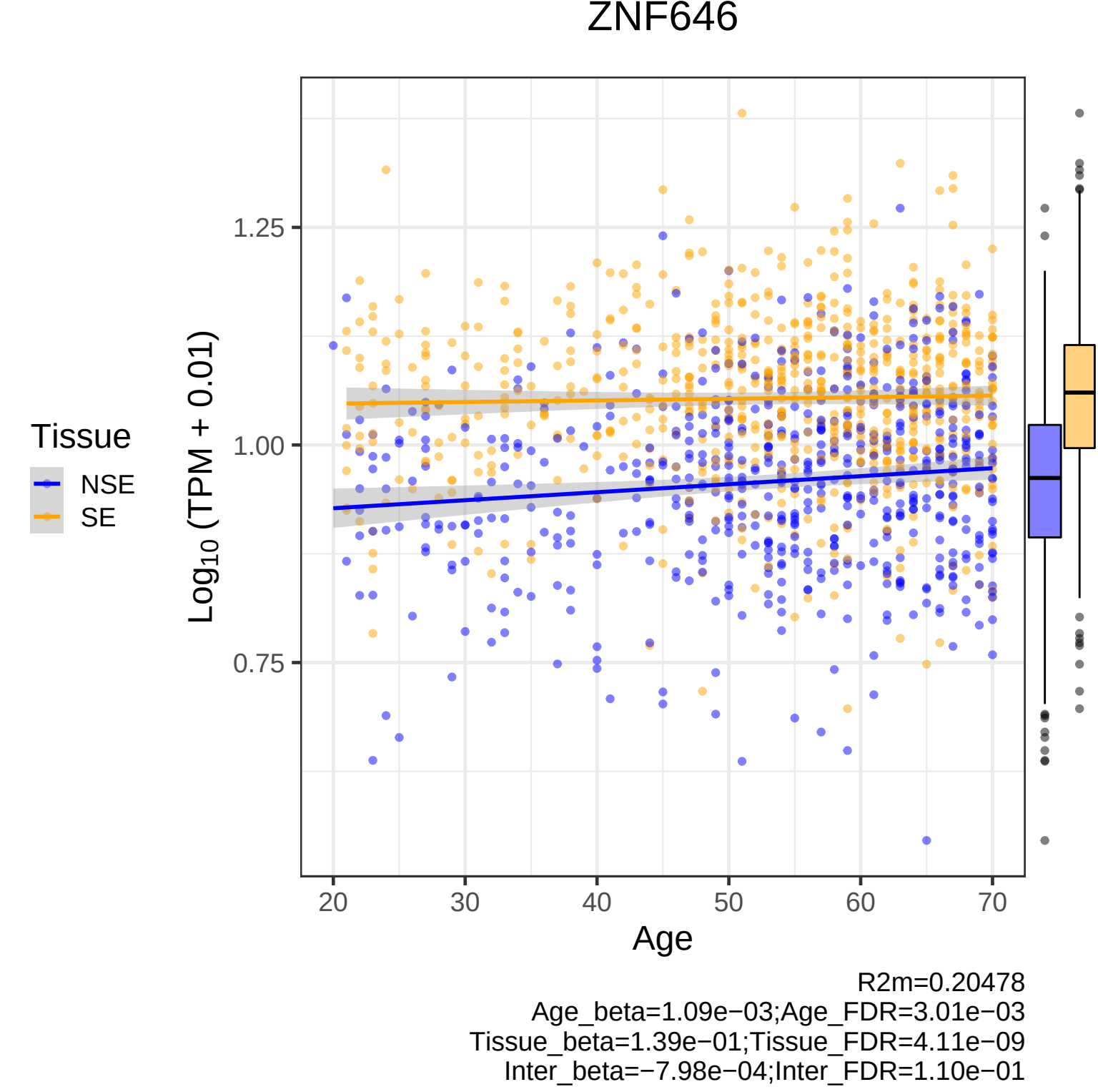


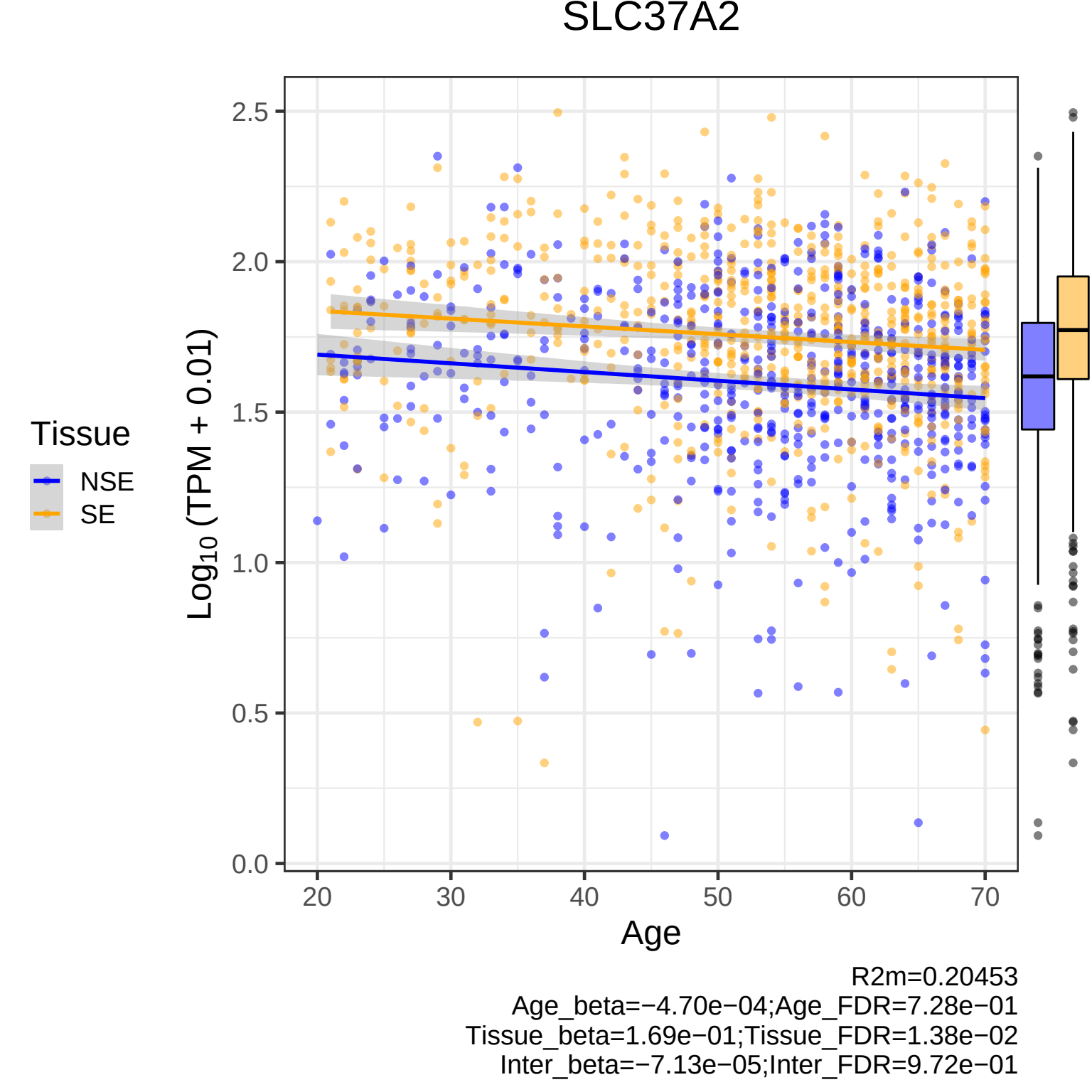
R2m=0.20531
Age_beta=−7.07e−03;Age_FDR=3.76e−09
Tissue_beta=1.16e−01;Tissue_FDR=1.85e−01
Inter_beta=3.45e−03;Inter_FDR=2.40e−02

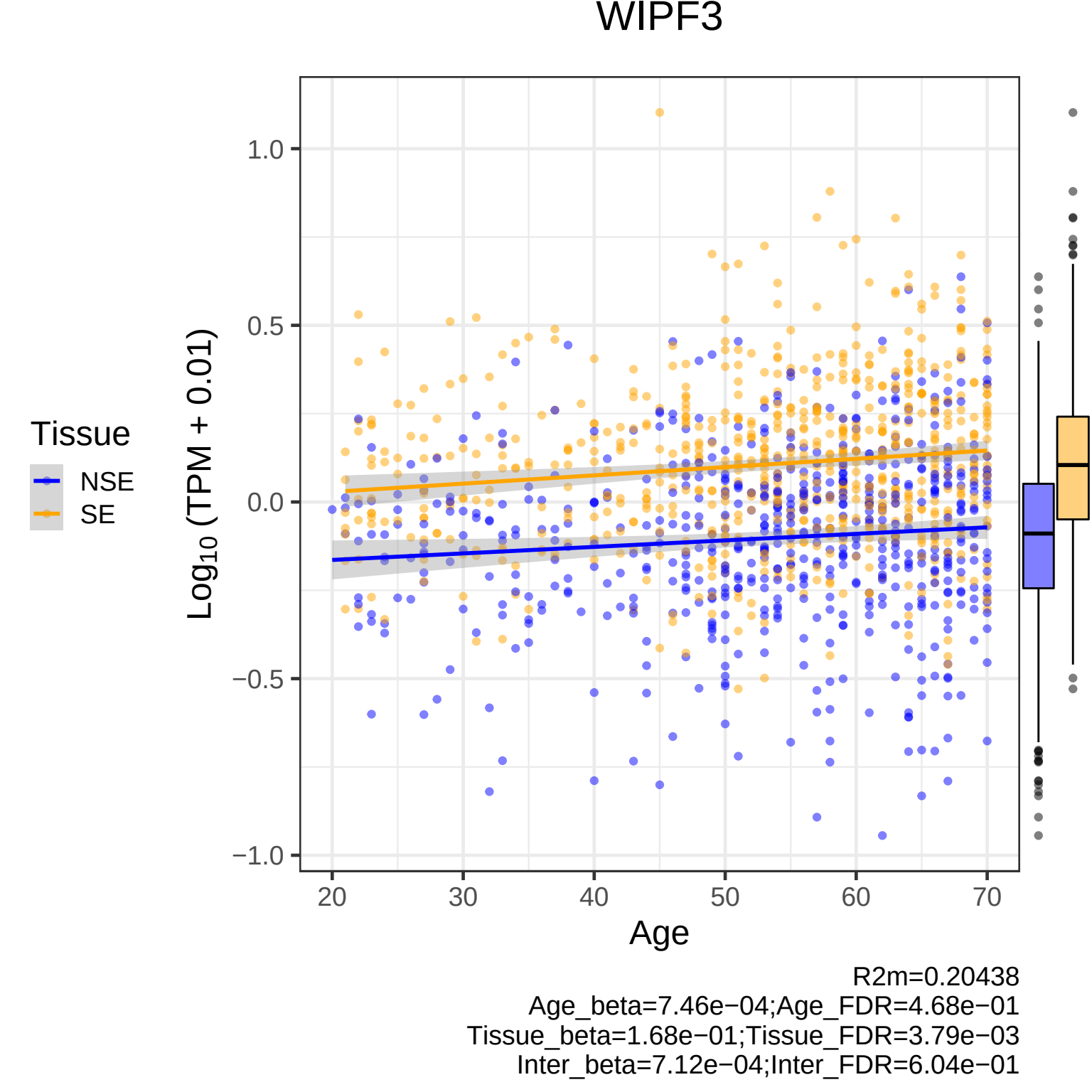

C5AR2
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.0
0.5
0.0
−0.5
−1.0
20
30
40
50
60
70
Age
R2m=0.20503
Age_beta=−4.16e−03;Age_FDR=6.43e−04
Tissue_beta=−1.52e−01;Tissue_FDR=3.79e−02
Inter_beta=5.97e−03;Inter_FDR=4.68e−06

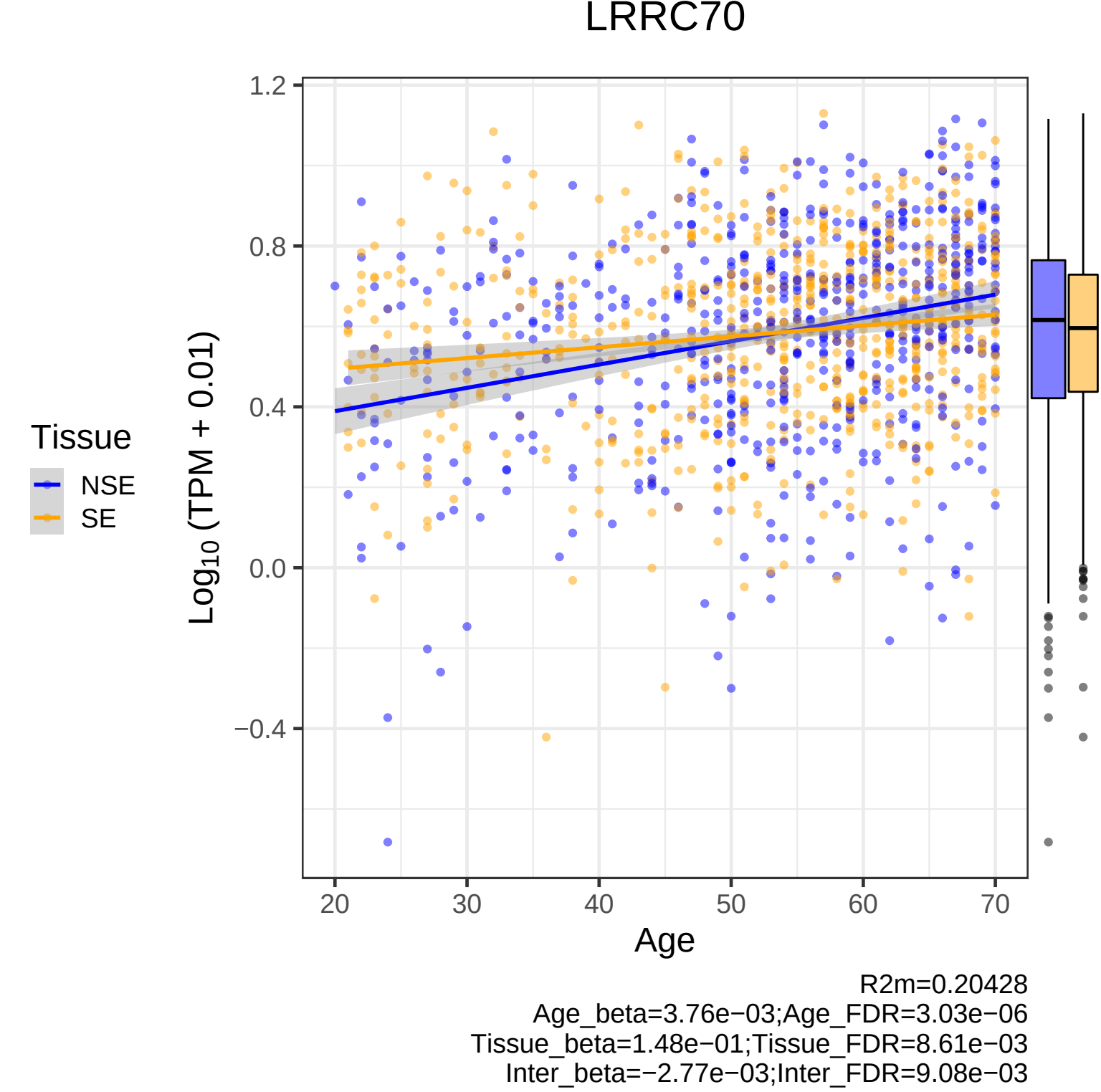

HOXB5
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.0
0.5
0.0
−0.5
−1.0
20
30
40
50
60
70
Age
R2m=0.20497
Age_beta=−4.91e−04;Age_FDR=6.91e−01
Tissue_beta=−2.80e−01;Tissue_FDR=4.74e−05
Inter_beta=5.39e−04;Inter_FDR=7.63e−01

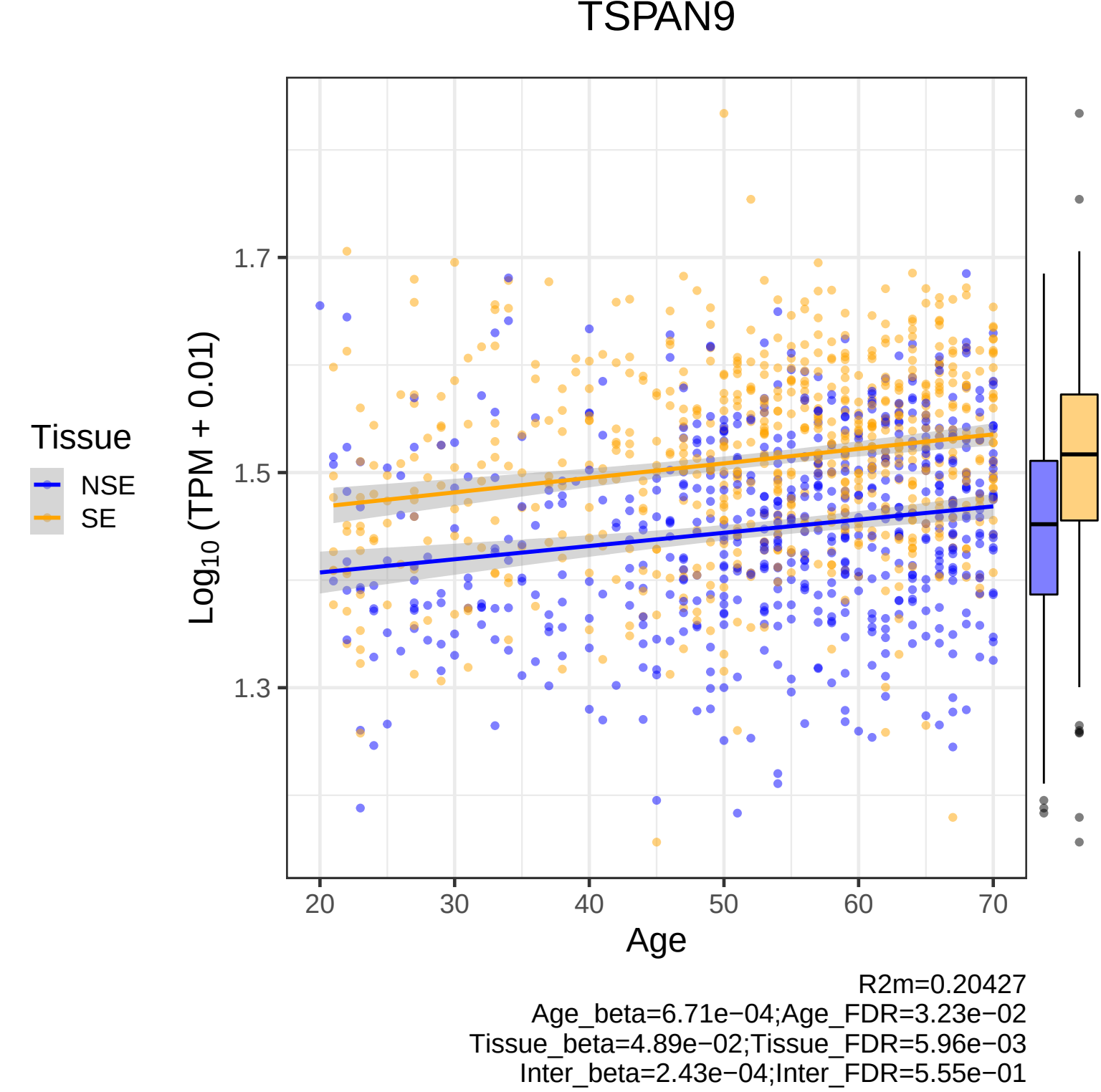

SLC6A1
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.0
0.5
0.0
−0.5
20
30
40
50
60
70
Age
R2m=0.20483
Age_beta=5.90e−04;Age_FDR=6.97e−01
Tissue_beta=−4.66e−01;Tissue_FDR=4.17e−10
Inter_beta=2.90e−03;Inter_FDR=5.98e−02

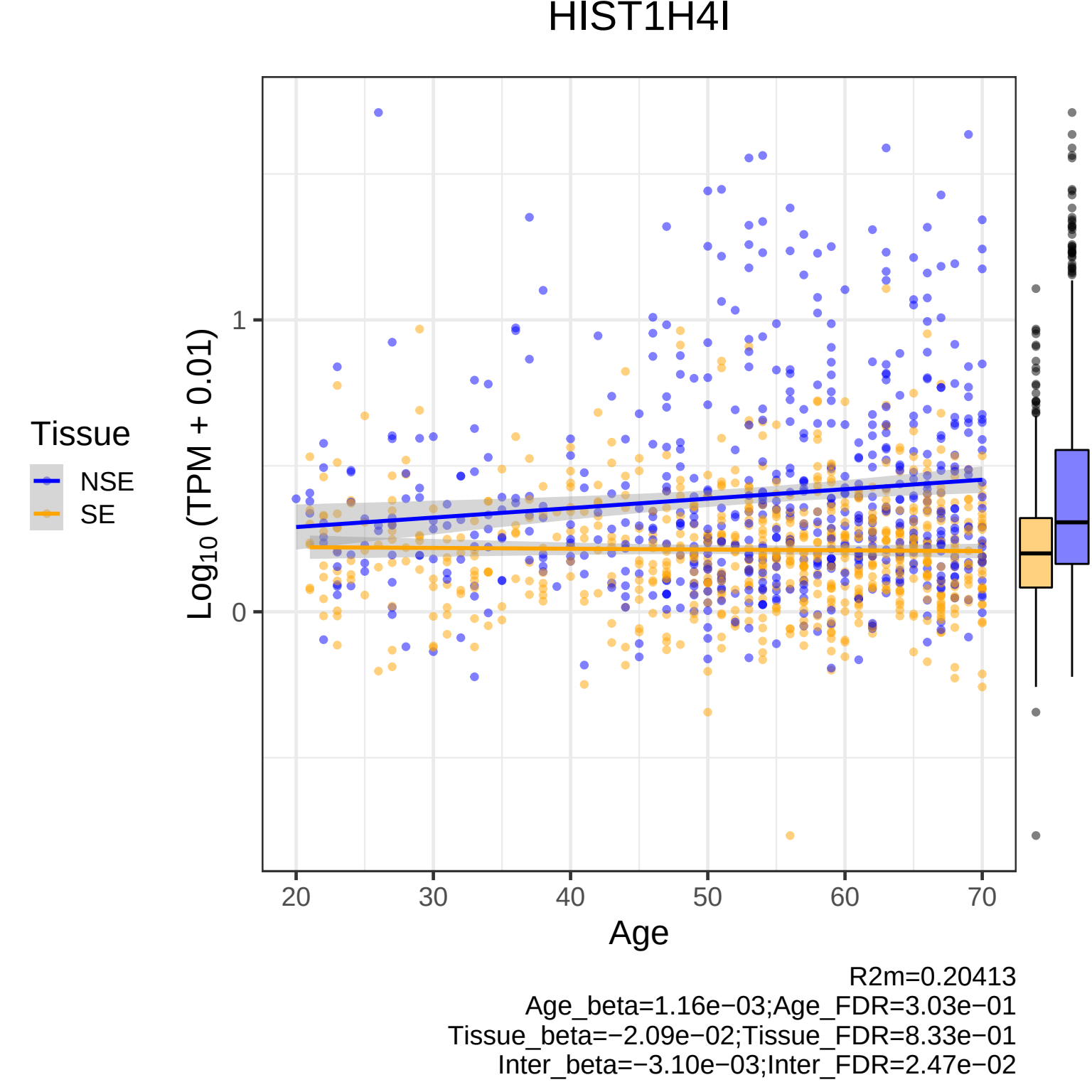

ZNF646
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.25
1.00
0.75
20
30
40
50
60
70
Age
R2m=0.20478
Age_beta=1.09e−03;Age_FDR=3.01e−03
Tissue_beta=1.39e−01;Tissue_FDR=4.11e−09
Inter_beta=−7.98e−04;Inter_FDR=1.10e−01

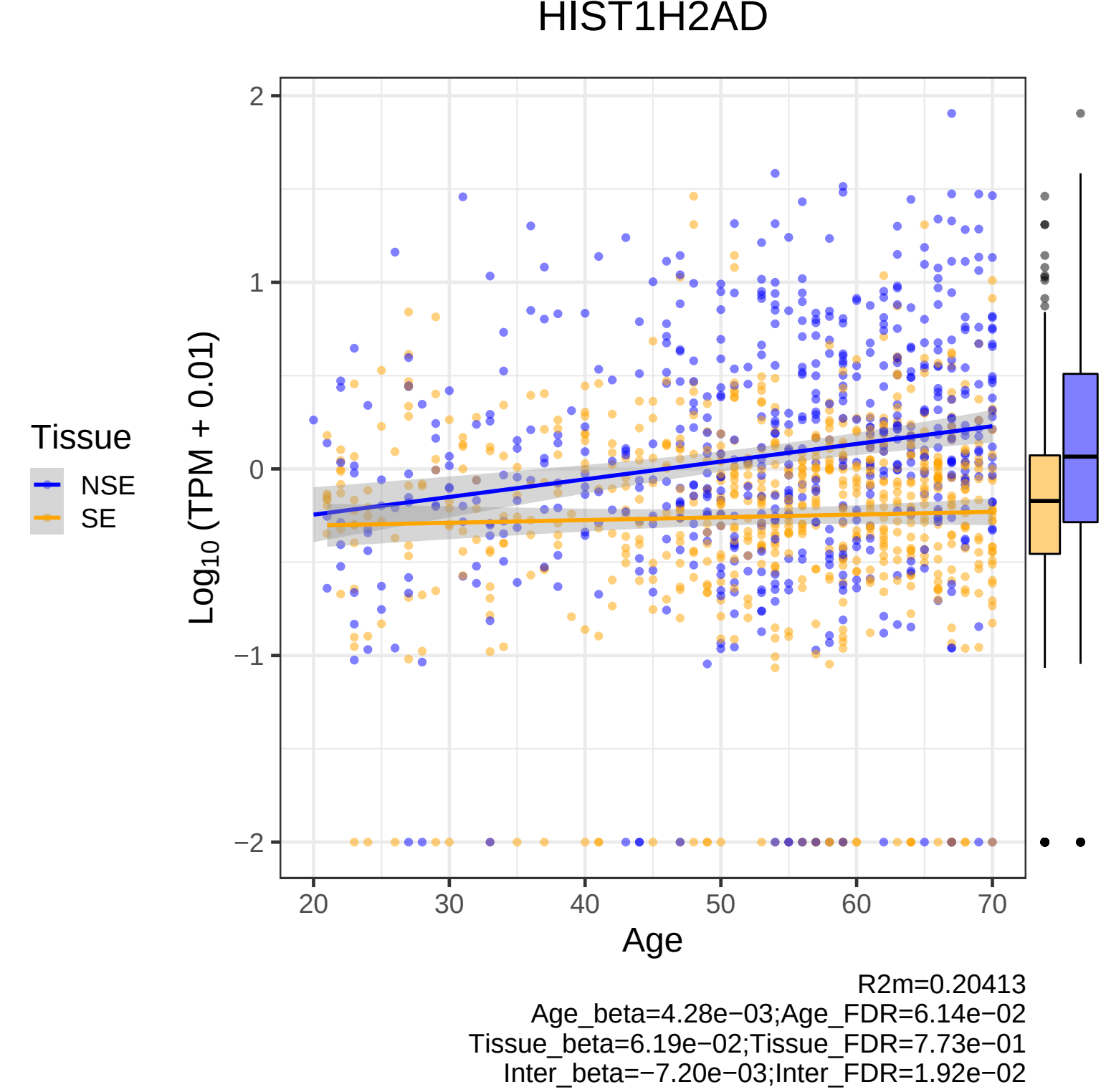

SLC37A2
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.5
2.0
1.5
1.0
0.5
0.0
20
30
40
50
60
70
Age
R2m=0.20453
Age_beta=−4.70e−04;Age_FDR=7.28e−01
Tissue_beta=1.69e−01;Tissue_FDR=1.38e−02
Inter_beta=−7.13e−05;Inter_FDR=9.72e−01

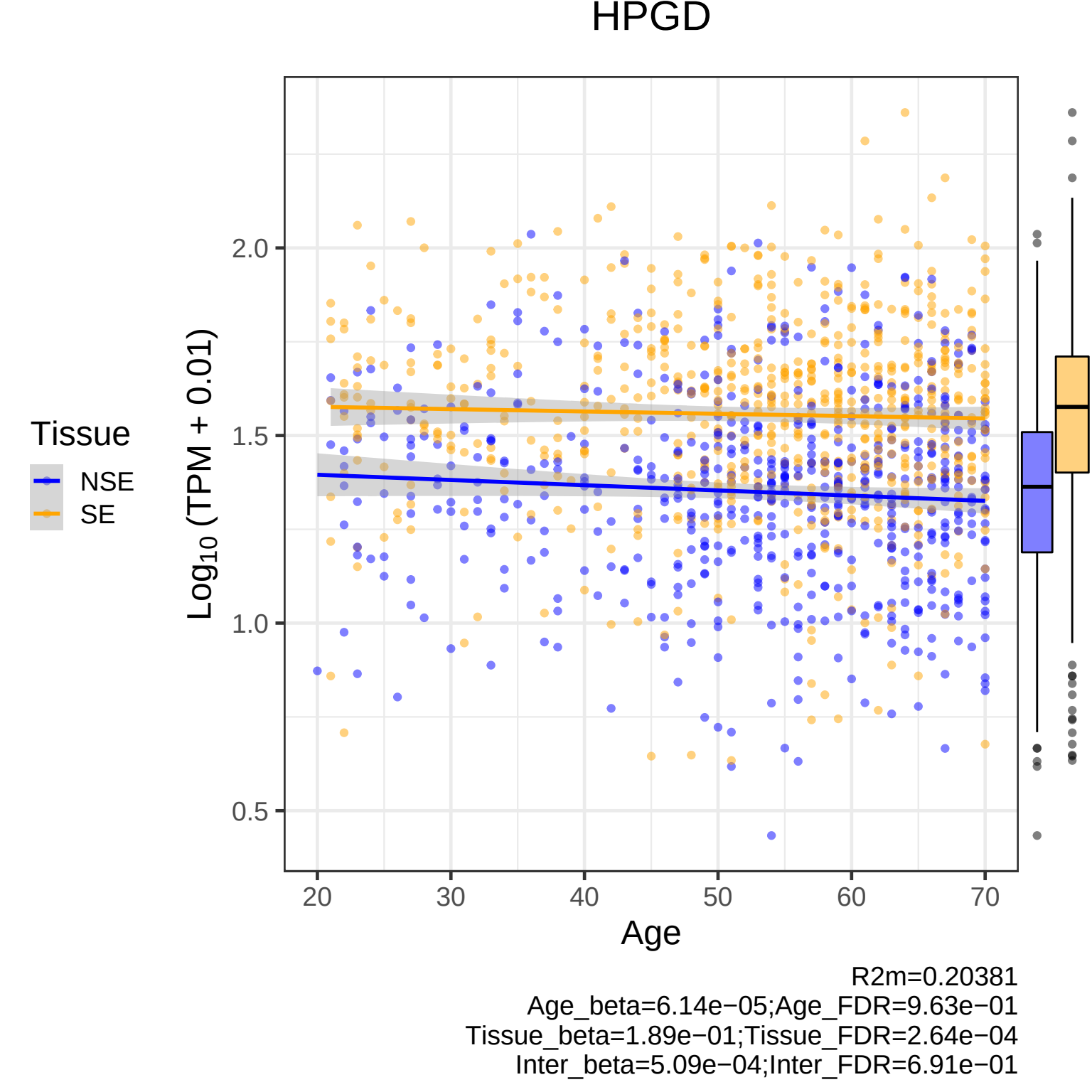

WIPF3
Tissue
NSE
SE
1.0
0.5
0.0
−0.5
−1.0
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.20438
Age_beta=7.46e−04;Age_FDR=4.68e−01
Tissue_beta=1.68e−01;Tissue_FDR=3.79e−03
Inter_beta=7.12e−04;Inter_FDR=6.04e−01

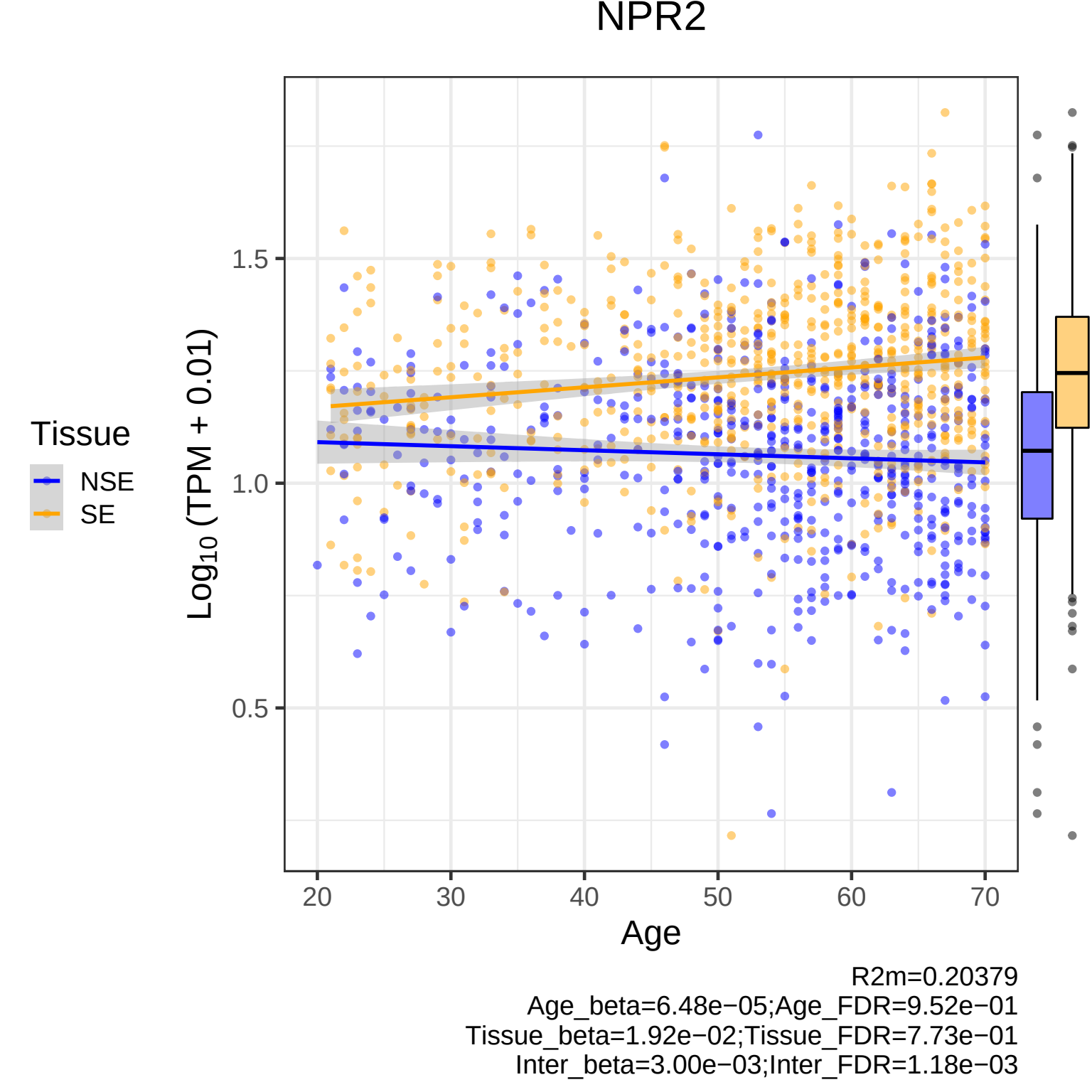

LRRC70
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.2
0.8
0.4
0.0
−0.4
20
30
40
50
60
70
Age
R2m=0.20428
Age_beta=3.76e−03;Age_FDR=3.03e−06
Tissue_beta=1.48e−01;Tissue_FDR=8.61e−03
Inter_beta=−2.77e−03;Inter_FDR=9.08e−03

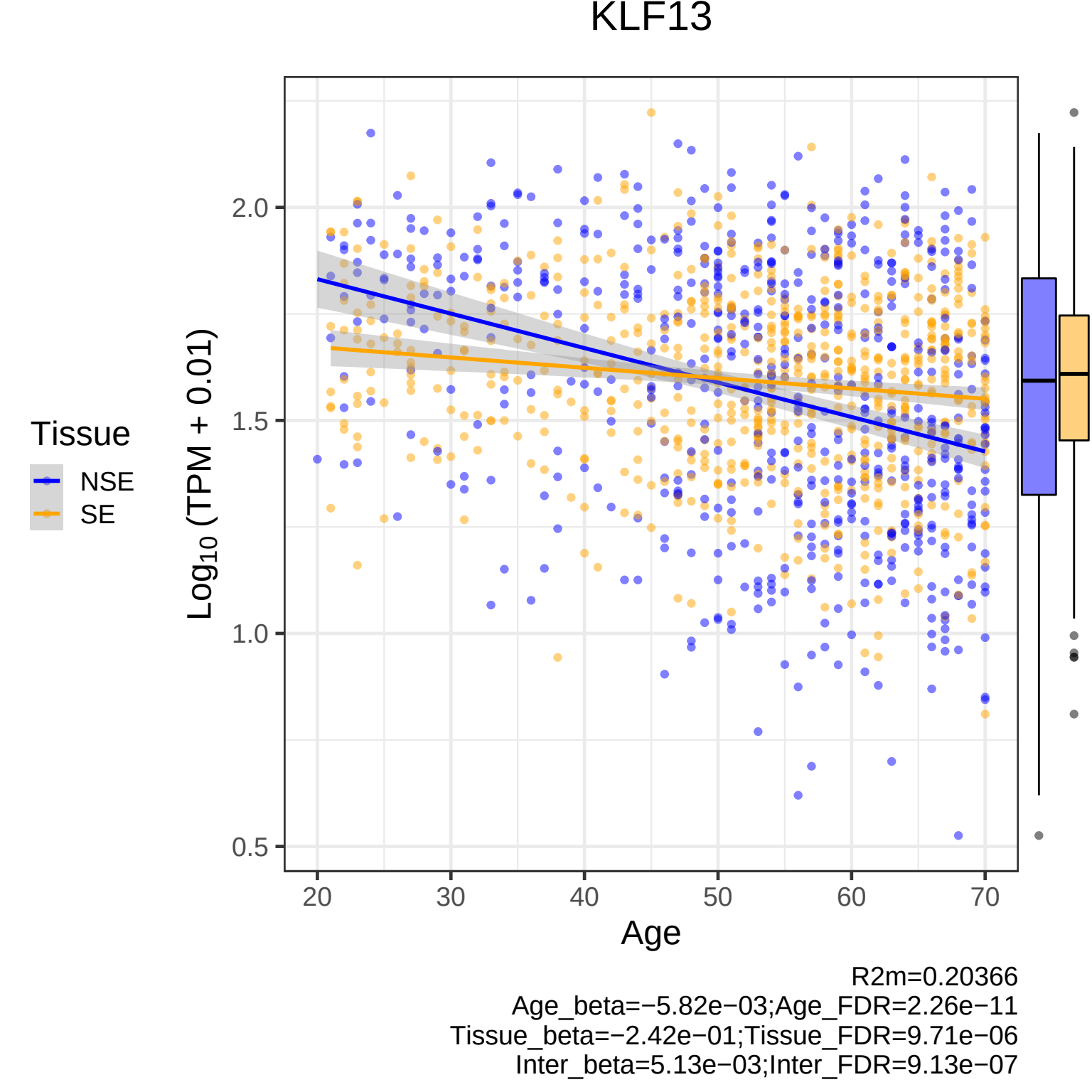

TSPAN9
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.7
1.5
1.3
20
30
40
50
60
70
Age
R2m=0.20427
Age_beta=6.71e−04;Age_FDR=3.23e−02
Tissue_beta=4.89e−02;Tissue_FDR=5.96e−03
Inter_beta=2.43e−04;Inter_FDR=5.55e−01

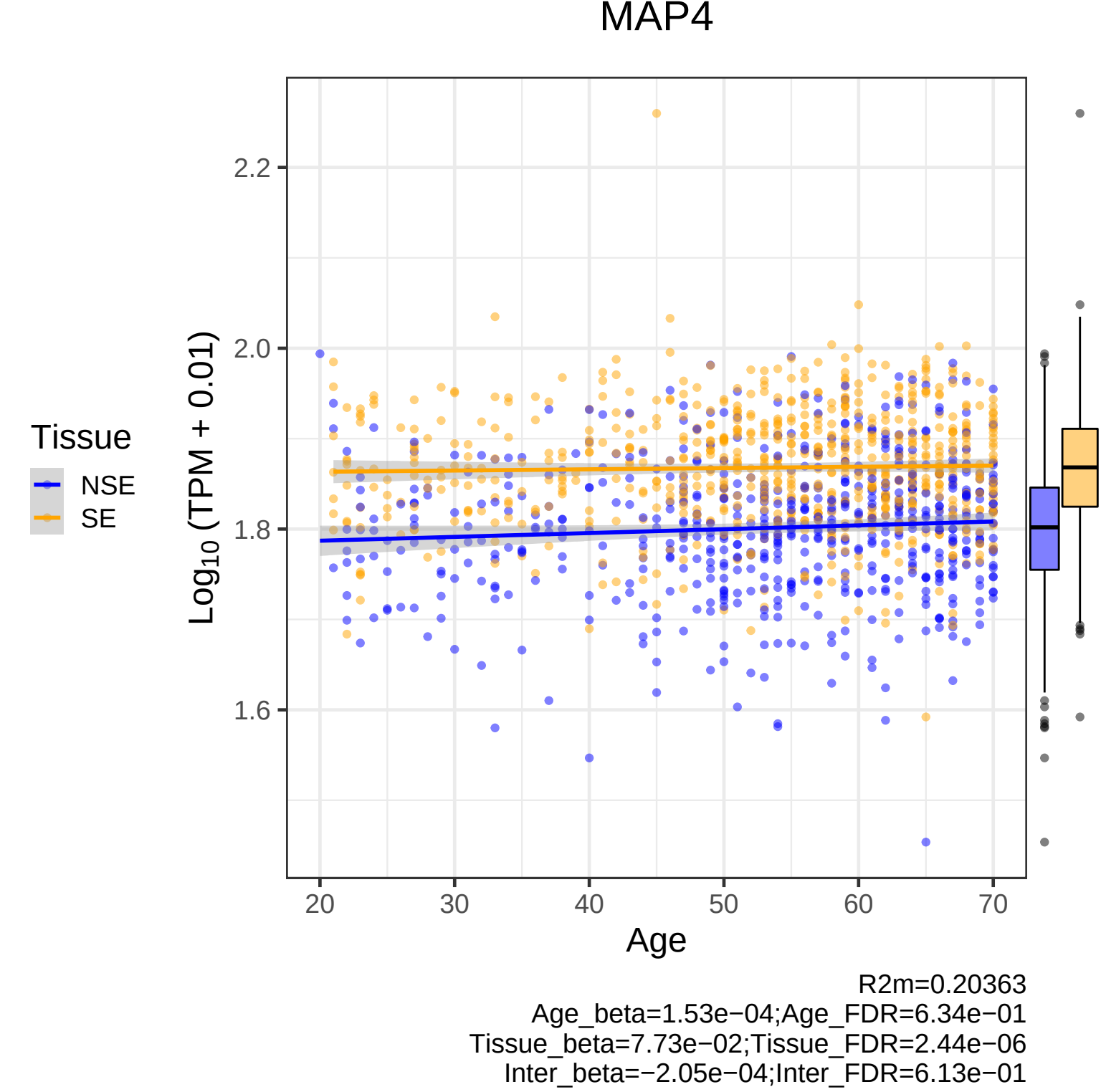

HIST1H4I
Tissue
NSE
SE
Log10 (TPM + 0.01)
1
0
20
30
40
50
60
70
Age
R2m=0.20413
Age_beta=1.16e−03;Age_FDR=3.03e−01
Tissue_beta=−2.09e−02;Tissue_FDR=8.33e−01
Inter_beta=−3.10e−03;Inter_FDR=2.47e−02

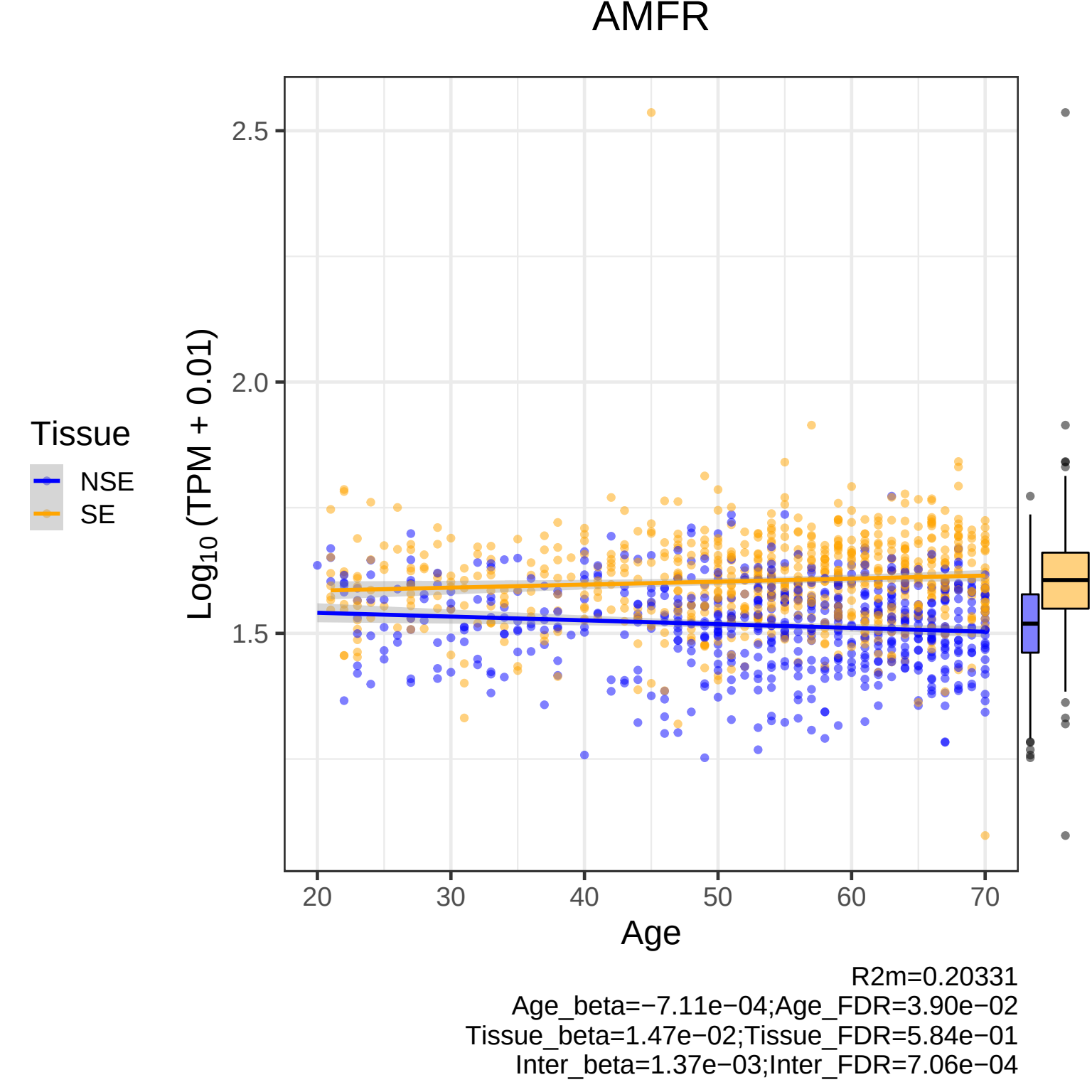

HIST1H2AD
Tissue
NSE
SE
Log10 (TPM + 0.01)
2
1
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.20413
Age_beta=4.28e−03;Age_FDR=6.14e−02
Tissue_beta=6.19e−02;Tissue_FDR=7.73e−01
Inter_beta=−7.20e−03;Inter_FDR=1.92e−02

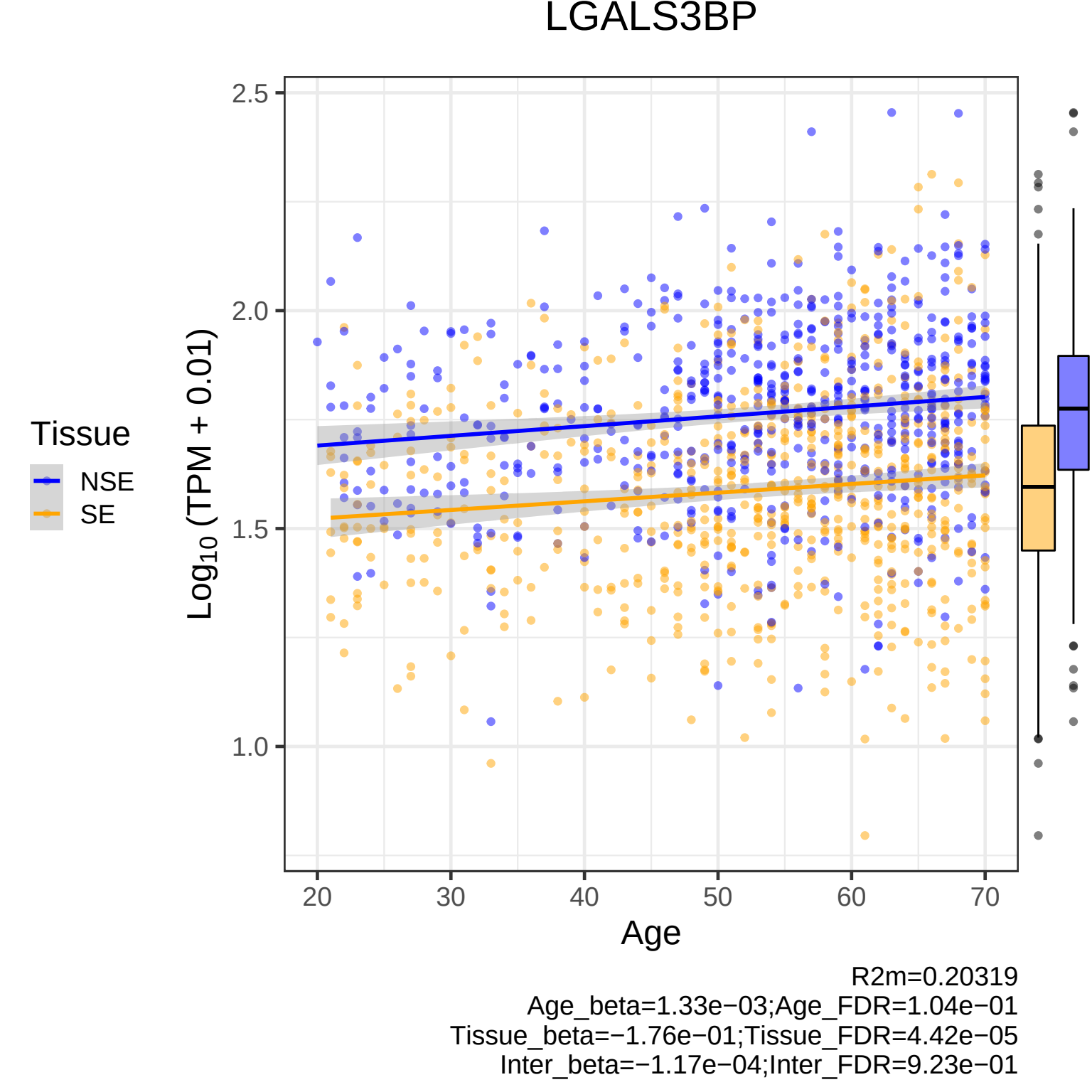

HPGD
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.0
1.5
1.0
0.5
20
30
40
50
60
70
Age
R2m=0.20381
Age_beta=6.14e−05;Age_FDR=9.63e−01
Tissue_beta=1.89e−01;Tissue_FDR=2.64e−04
Inter_beta=5.09e−04;Inter_FDR=6.91e−01


NPR2
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.5
1.0
0.5
20
30
40
50
60
70
Age
R2m=0.20379
Age_beta=6.48e−05;Age_FDR=9.52e−01
Tissue_beta=1.92e−02;Tissue_FDR=7.73e−01
Inter_beta=3.00e−03;Inter_FDR=1.18e−03

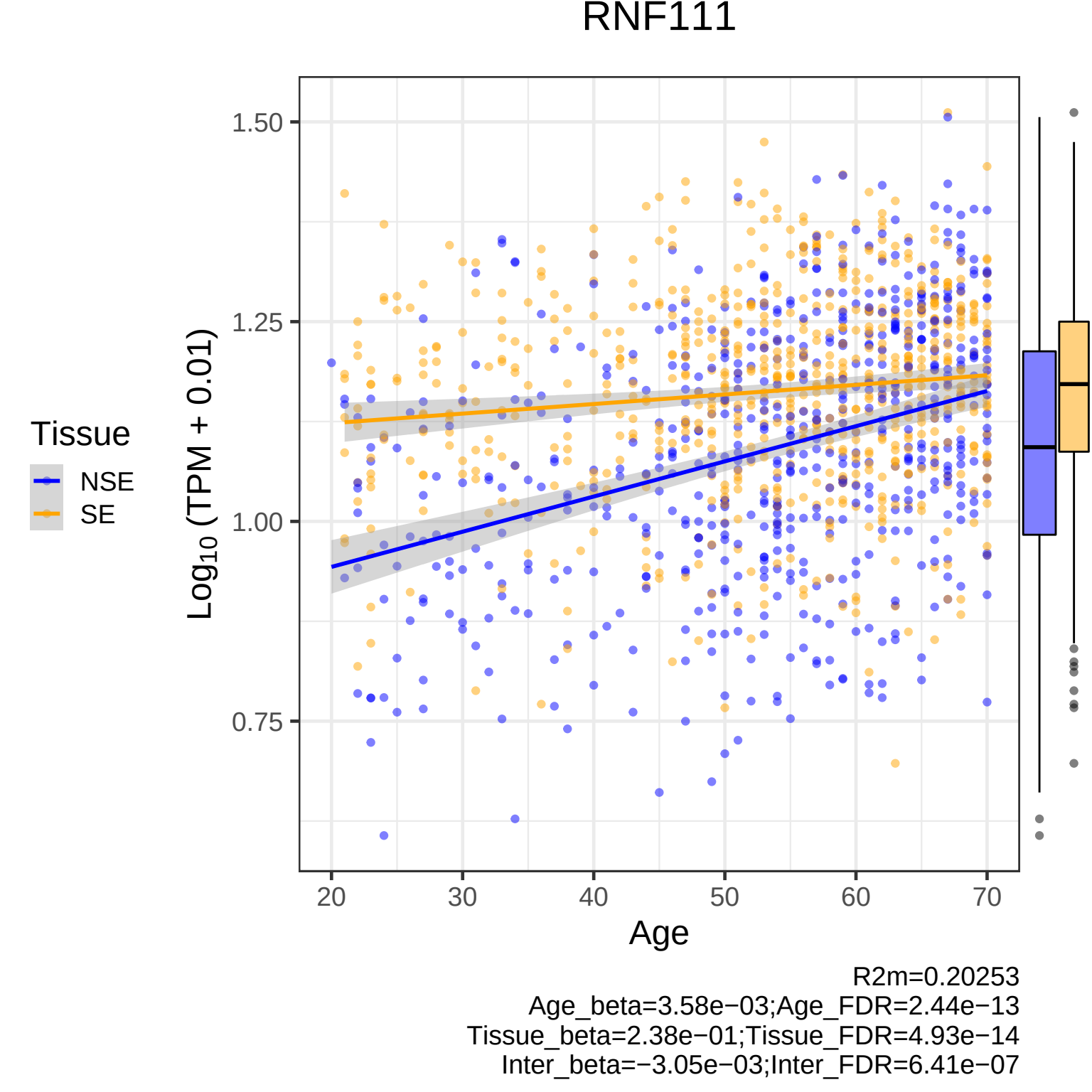

KLF13
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.0
1.5
1.0
0.5
20
30
40
50
60
70
Age
R2m=0.20366
Age_beta=−5.82e−03;Age_FDR=2.26e−11
Tissue_beta=−2.42e−01;Tissue_FDR=9.71e−06
Inter_beta=5.13e−03;Inter_FDR=9.13e−07

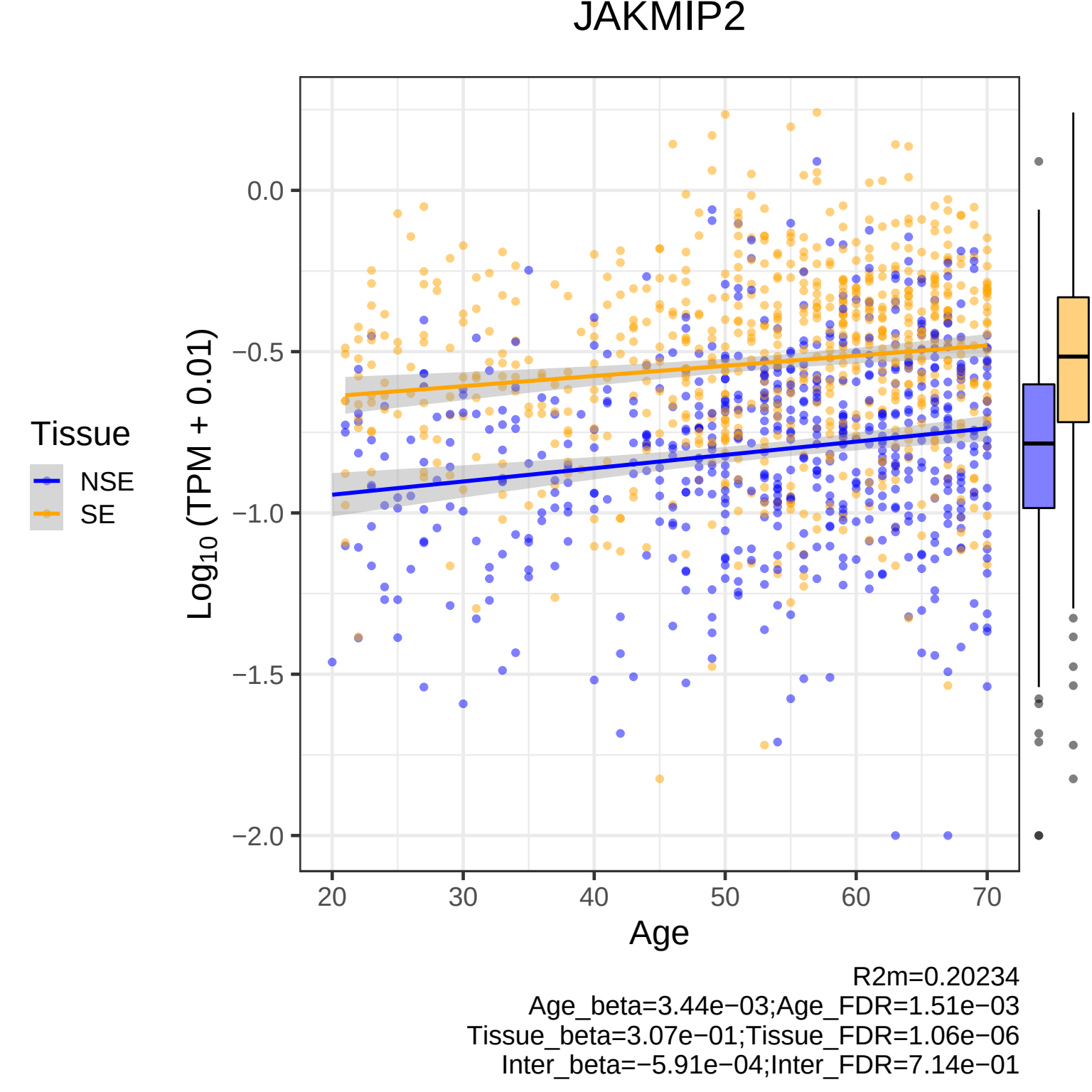

MAP4
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.2
2.0
1.8
1.6
20
30
40
50
60
70
Age
R2m=0.20363
Age_beta=1.53e−04;Age_FDR=6.34e−01
Tissue_beta=7.73e−02;Tissue_FDR=2.44e−06
Inter_beta=−2.05e−04;Inter_FDR=6.13e−01

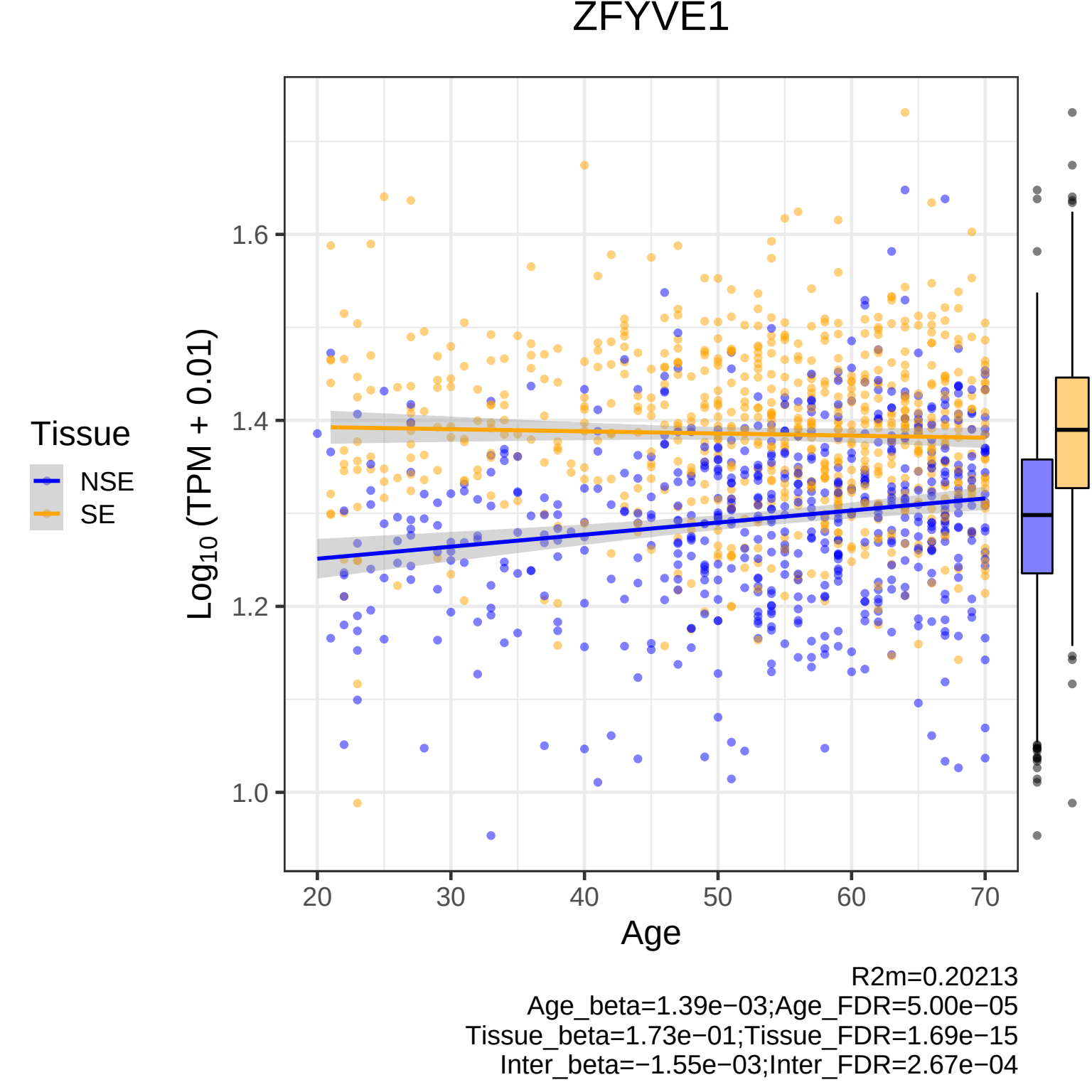

AMFR
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.5
2.0
1.5
20
30
40
50
60
70
Age
R2m=0.20331
Age_beta=−7.11e−04;Age_FDR=3.90e−02
Tissue_beta=1.47e−02;Tissue_FDR=5.84e−01
Inter_beta=1.37e−03;Inter_FDR=7.06e−04

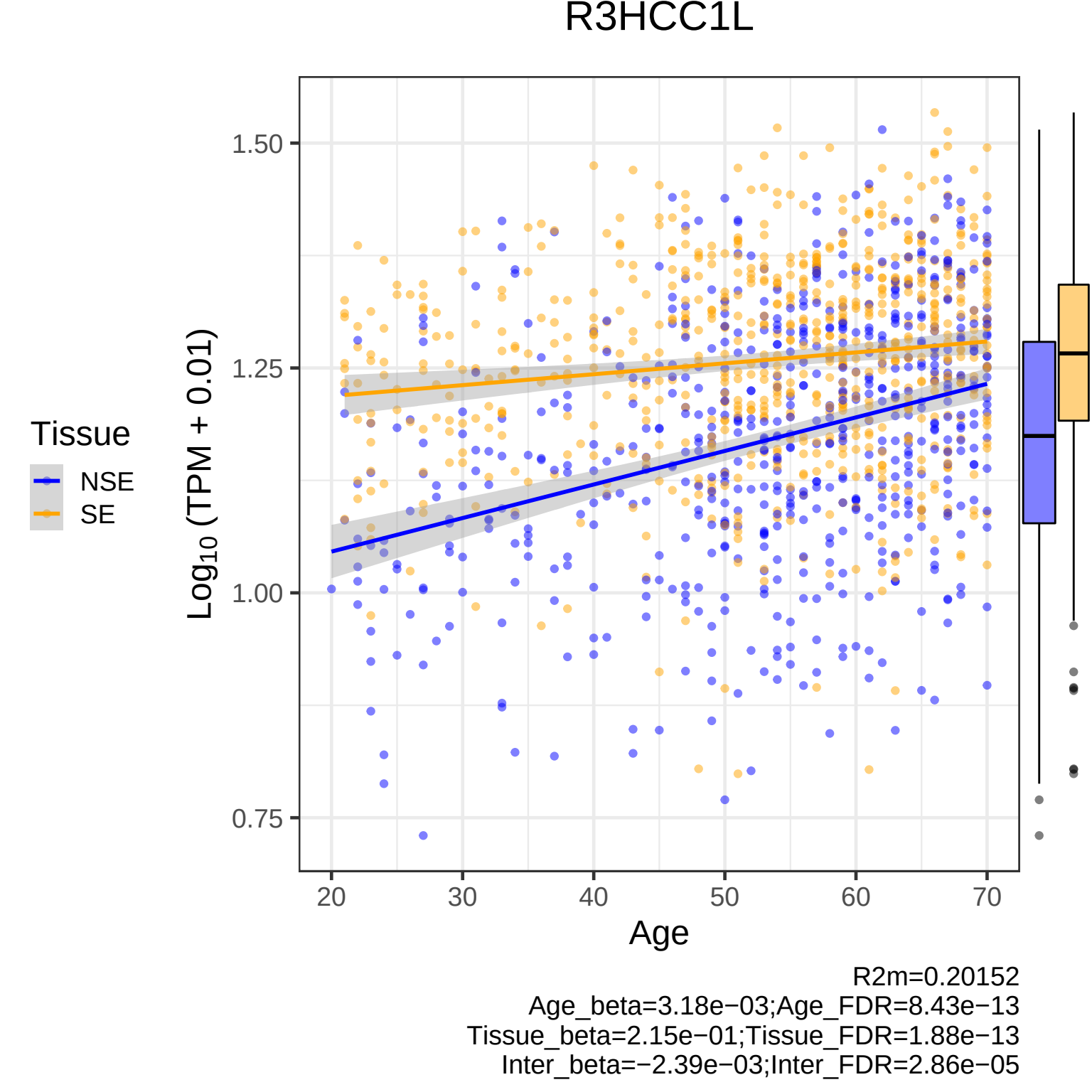

LGALS3BP
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.5
2.0
1.5
1.0
20
30
40
50
60
70
Age
R2m=0.20319
Age_beta=1.33e−03;Age_FDR=1.04e−01
Tissue_beta=−1.76e−01;Tissue_FDR=4.42e−05
Inter_beta=−1.17e−04;Inter_FDR=9.23e−01

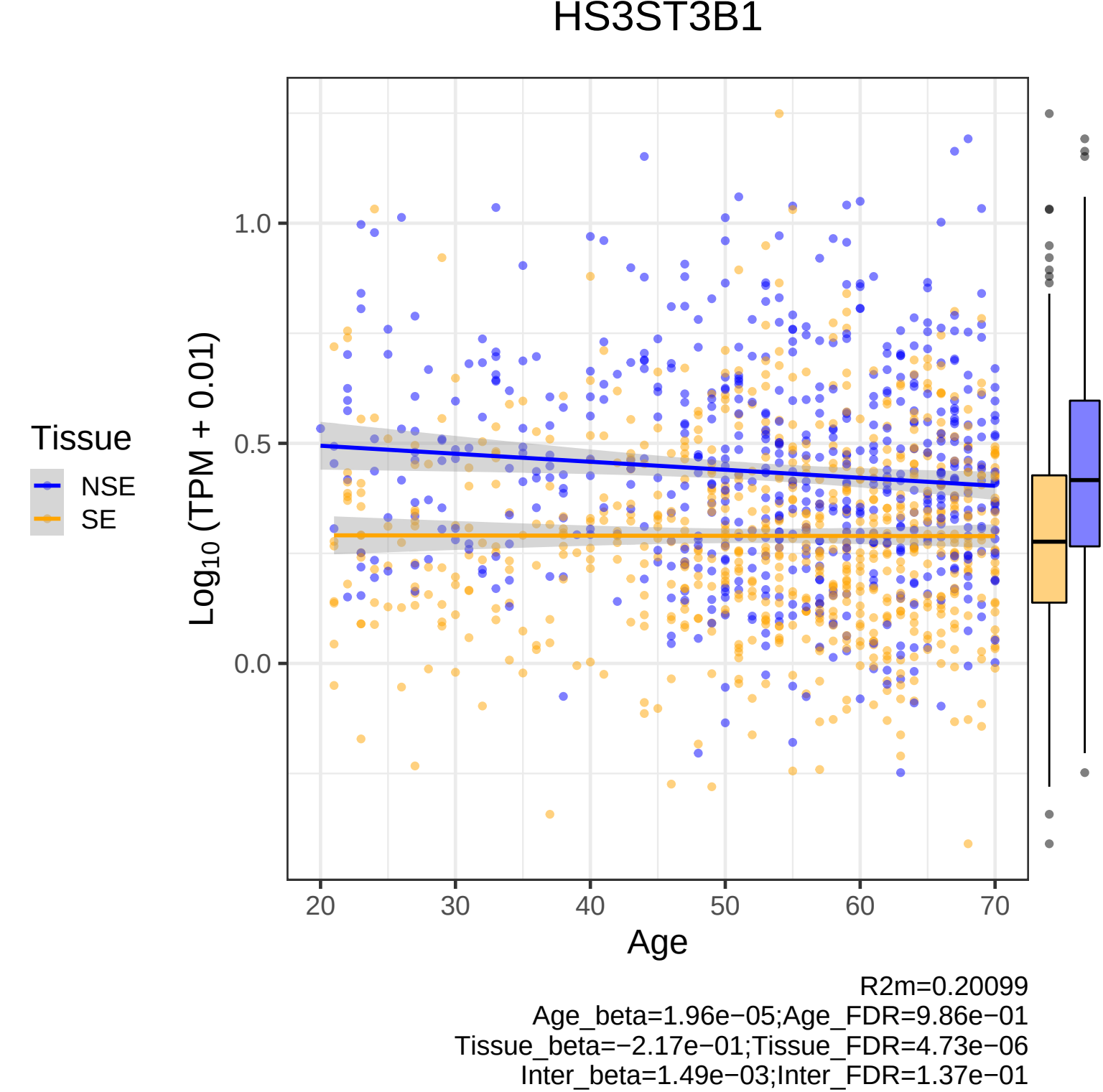
ZSCAN18
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.50
1.25
1.00
0.75
0.50
20
30
40
50
60
70
Age
R2m=0.20295
Age_beta=1.28e−03;Age_FDR=5.58e−03
Tissue_beta=−1.47e−03;Tissue_FDR=9.74e−01
Inter_beta=−1.80e−03;Inter_FDR=9.12e−04

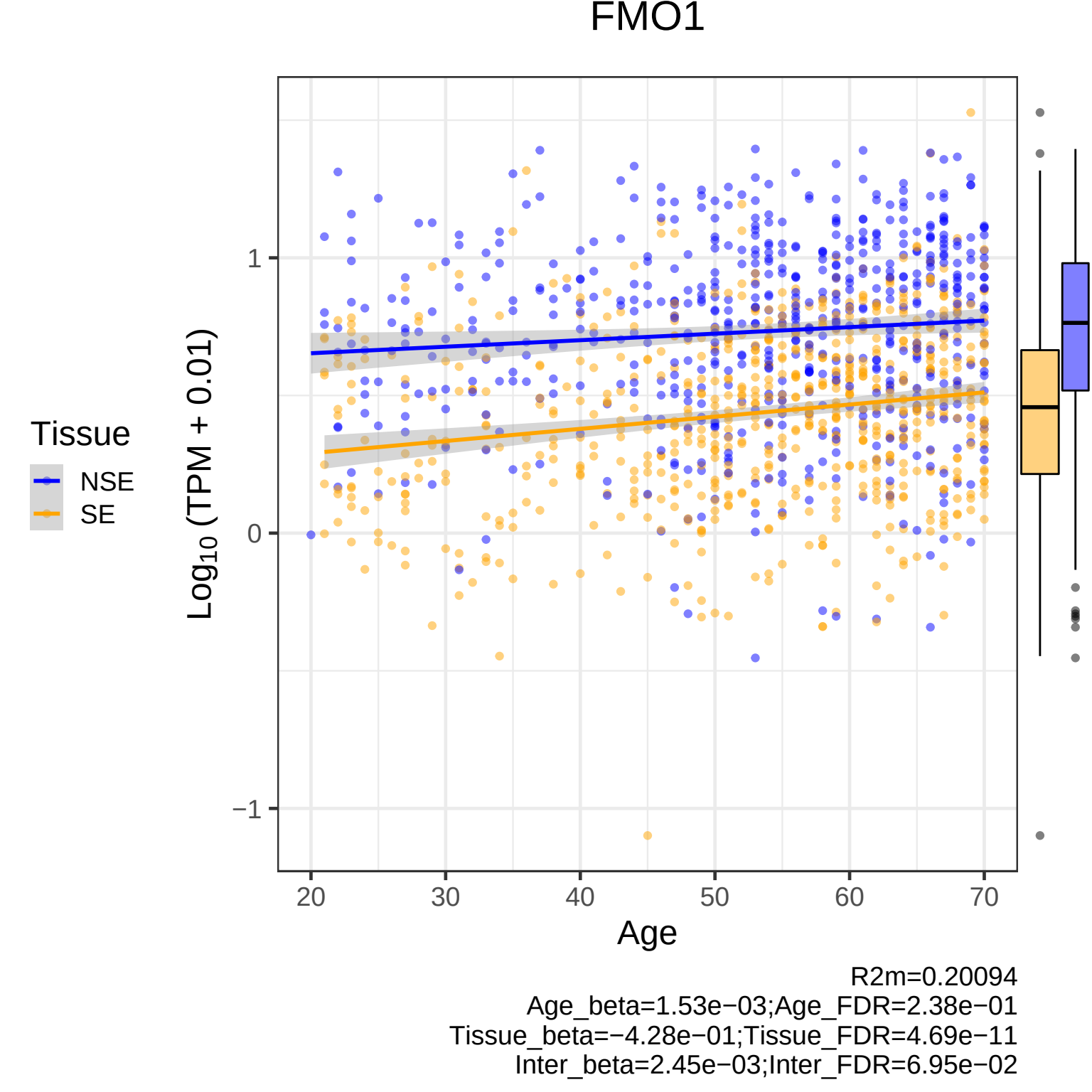

RNF111
Tissue
NSE
SE
1.50
1.25
1.00
0.75
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.20253
Age_beta=3.58e−03;Age_FDR=2.44e−13
Tissue_beta=2.38e−01;Tissue_FDR=4.93e−14
Inter_beta=−3.05e−03;Inter_FDR=6.41e−07

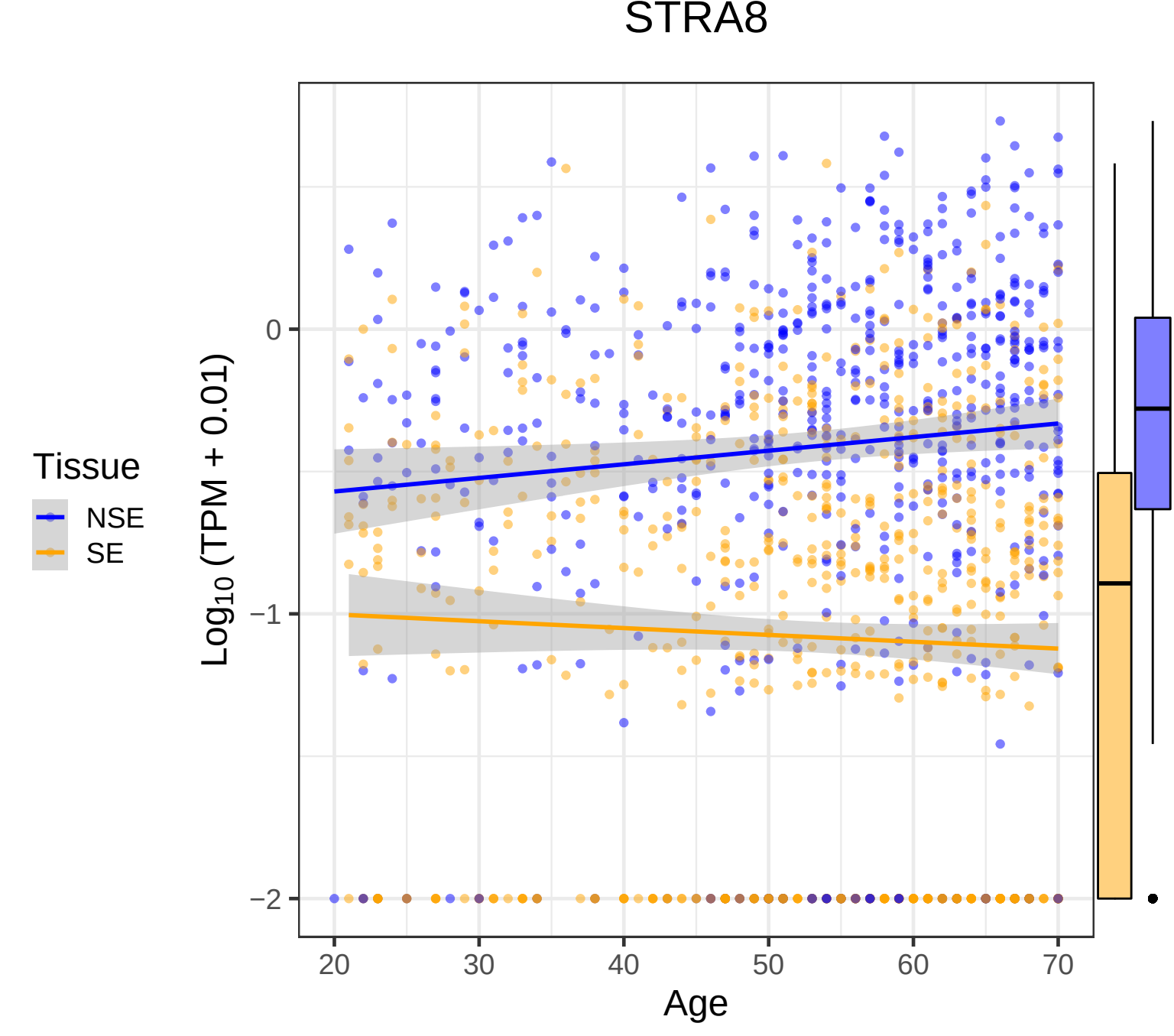

JAKMIP2
Tissue
NSE
SE
Log10 (TPM + 0.01)
0.0
−0.5
−1.0
−1.5
−2.0
20
30
40
50
60
70
Age
R2m=0.20234
Age_beta=3.44e−03;Age_FDR=1.51e−03
Tissue_beta=3.07e−01;Tissue_FDR=1.06e−06
Inter_beta=−5.91e−04;Inter_FDR=7.14e−01


ZFYVE1
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.6
1.4
1.2
1.0
20
30
40
50
60
70
Age
R2m=0.20213
Age_beta=1.39e−03;Age_FDR=5.00e−05
Tissue_beta=1.73e−01;Tissue_FDR=1.69e−15
Inter_beta=−1.55e−03;Inter_FDR=2.67e−04

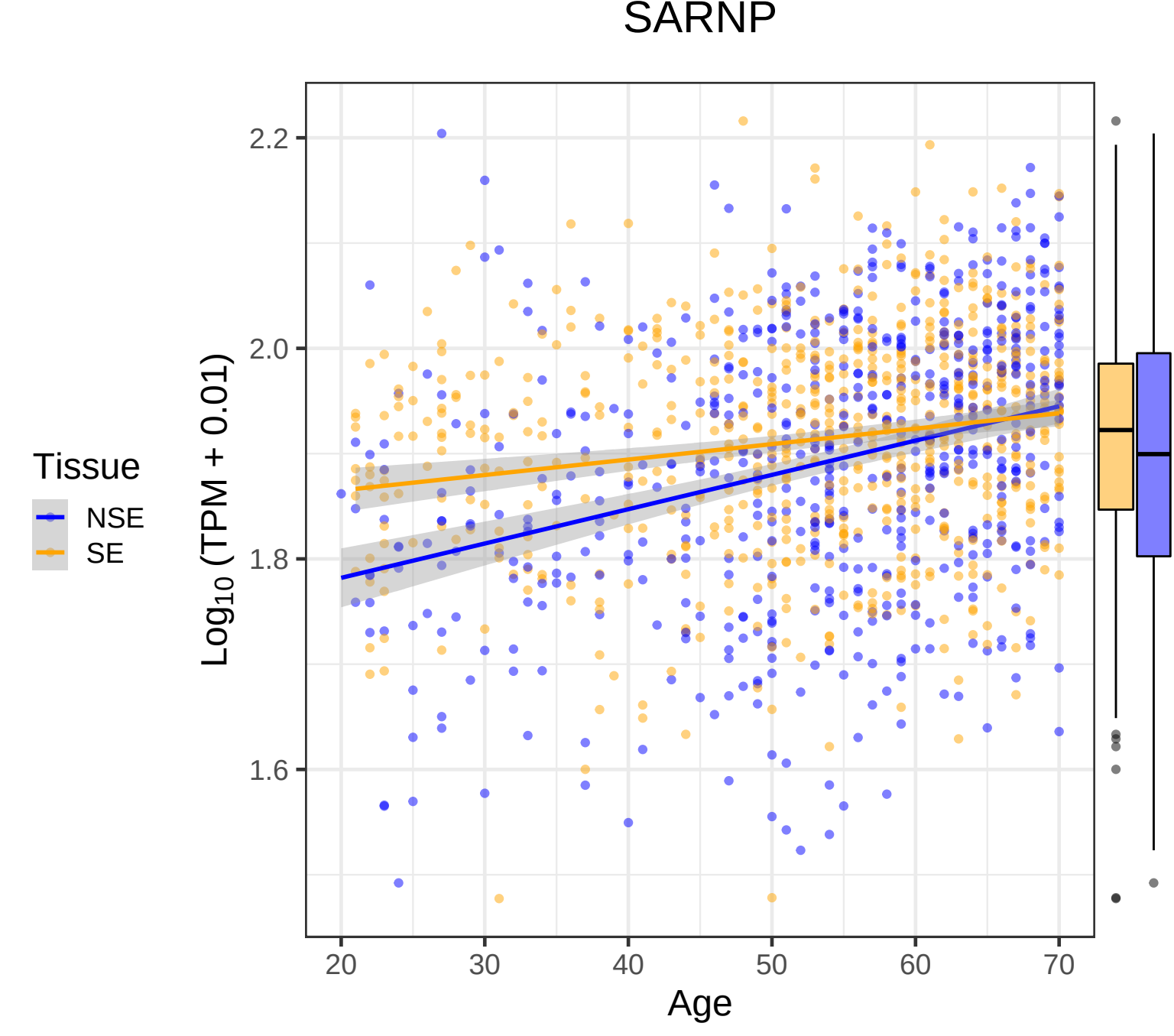

R3HCC1L
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.50
1.25
1.00
0.75
20
30
40
50
60
70
Age
R2m=0.20152
Age_beta=3.18e−03;Age_FDR=8.43e−13
Tissue_beta=2.15e−01;Tissue_FDR=1.88e−13
Inter_beta=−2.39e−03;Inter_FDR=2.86e−05

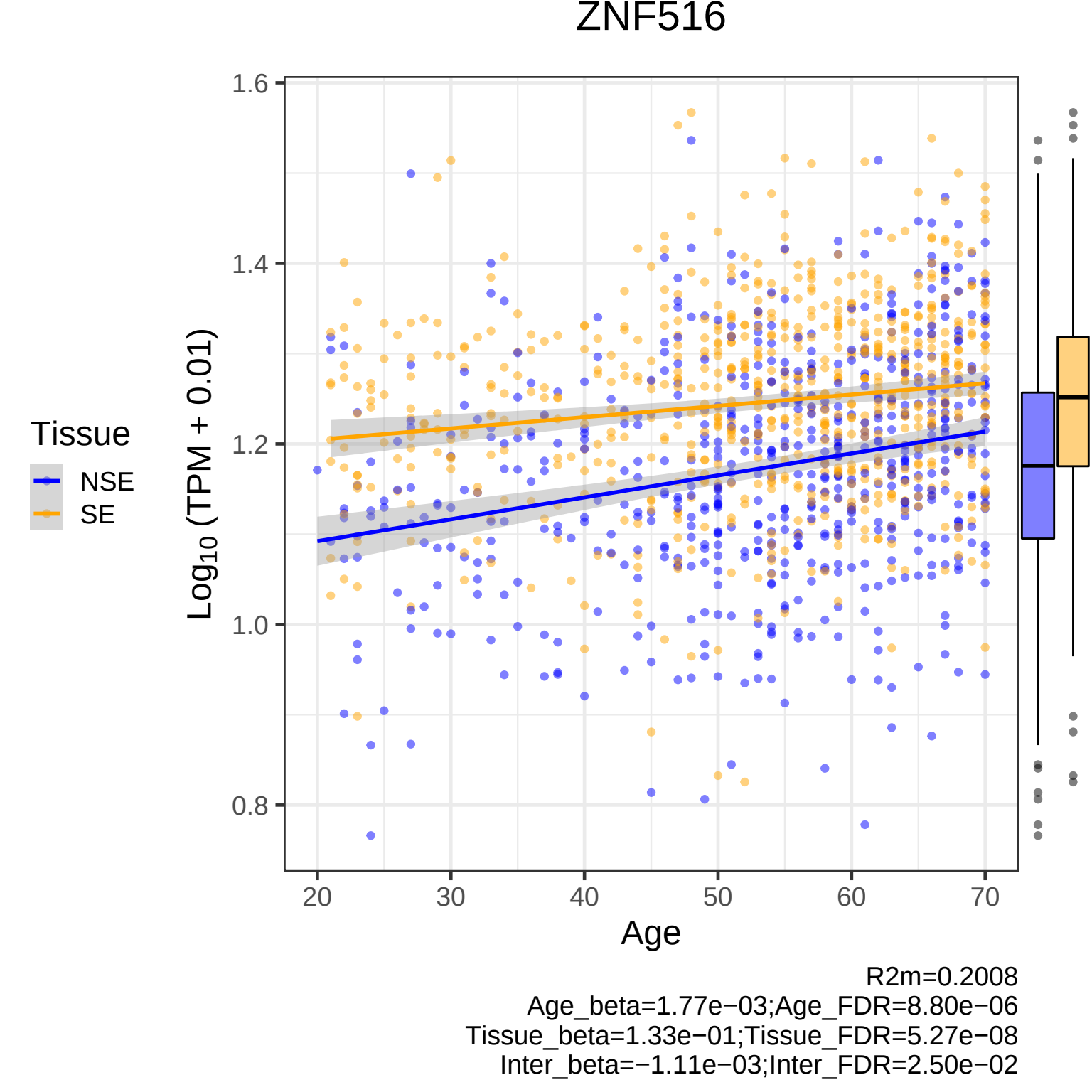

HS3ST3B1
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.0
0.5
0.0
20
30
40
50
60
70
Age
R2m=0.20099
Age_beta=1.96e−05;Age_FDR=9.86e−01
Tissue_beta=−2.17e−01;Tissue_FDR=4.73e−06
Inter_beta=1.49e−03;Inter_FDR=1.37e−01

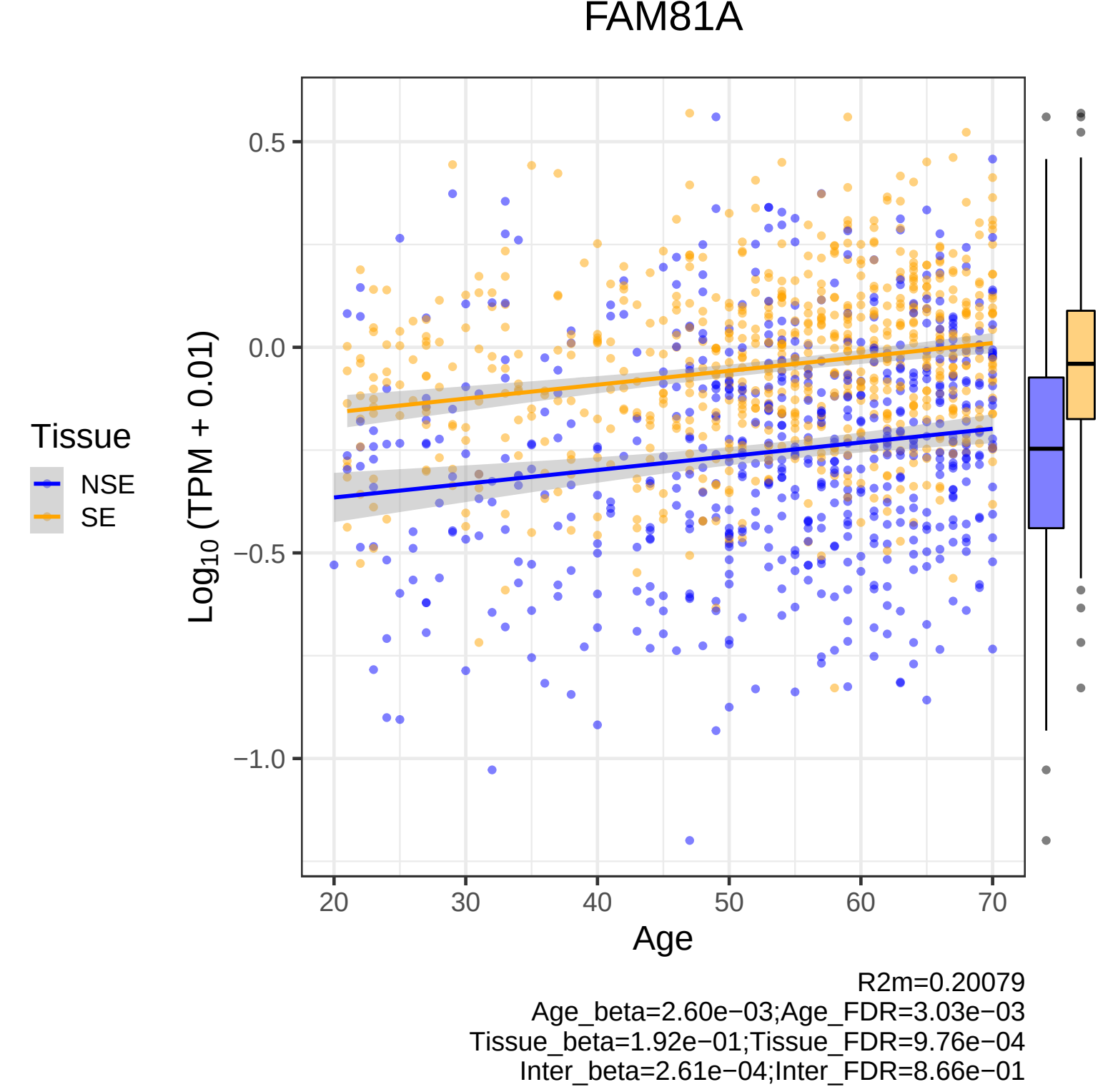

FMO1
Tissue
NSE
SE
Log10 (TPM + 0.01)
1
0
−1
20
30
40
50
60
70
Age
R2m=0.20094
Age_beta=1.53e−03;Age_FDR=2.38e−01
Tissue_beta=−4.28e−01;Tissue_FDR=4.69e−11
Inter_beta=2.45e−03;Inter_FDR=6.95e−02

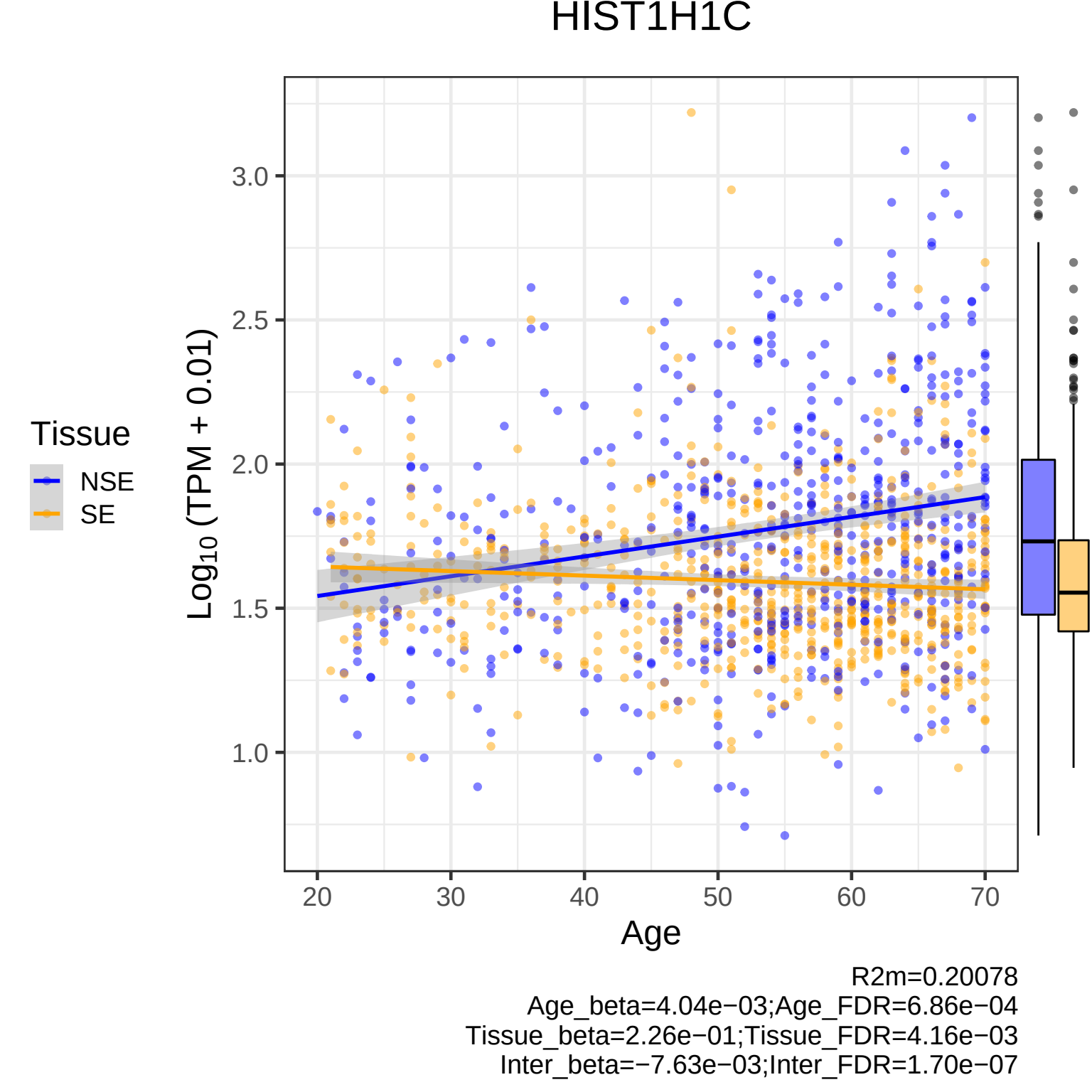


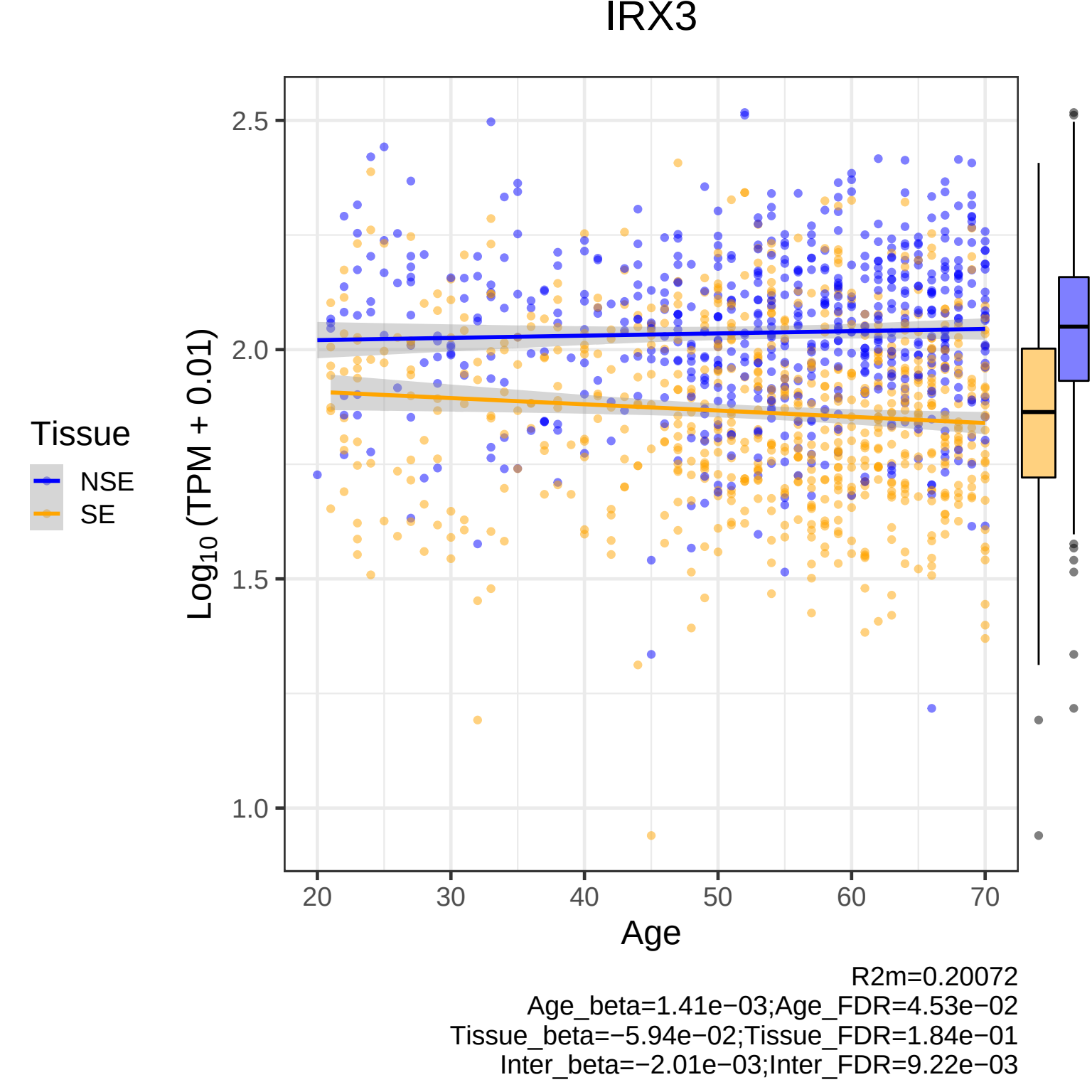
R2m=0.20083
Age_beta=7.09e−03;Age_FDR=6.92e−03
Tissue_beta=−2.43e−01;Tissue_FDR=1.89e−01
Inter_beta=−7.86e−03;Inter_FDR=1.46e−02

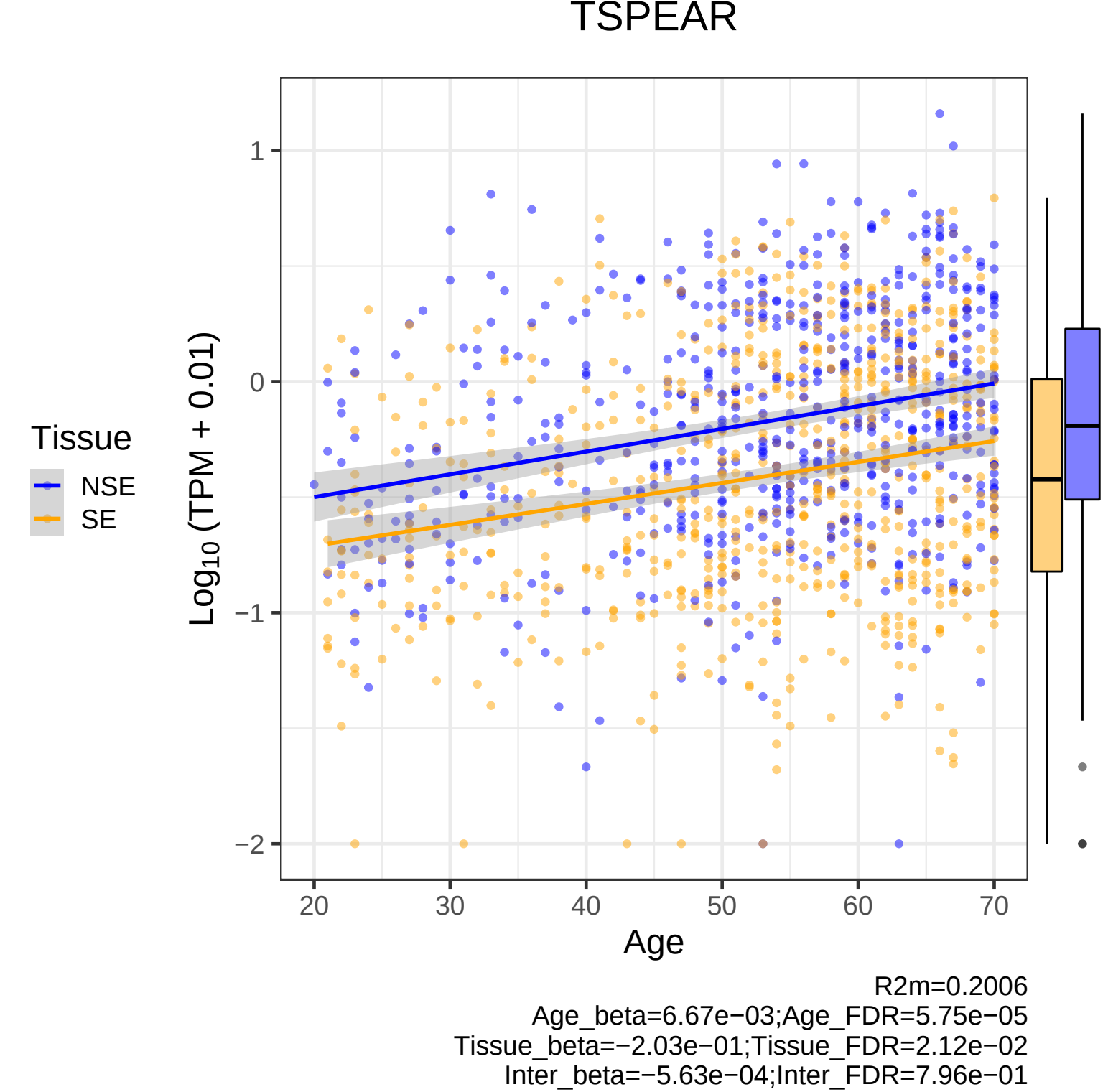

SARNP
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.2
2.0
1.8
1.6
20
30
40
50
60
70
Age
R2m=0.20081
Age_beta=2.29e−03;Age_FDR=3.46e−09
Tissue_beta=1.09e−01;Tissue_FDR=1.13e−05
Inter_beta=−1.63e−03;Inter_FDR=7.33e−04

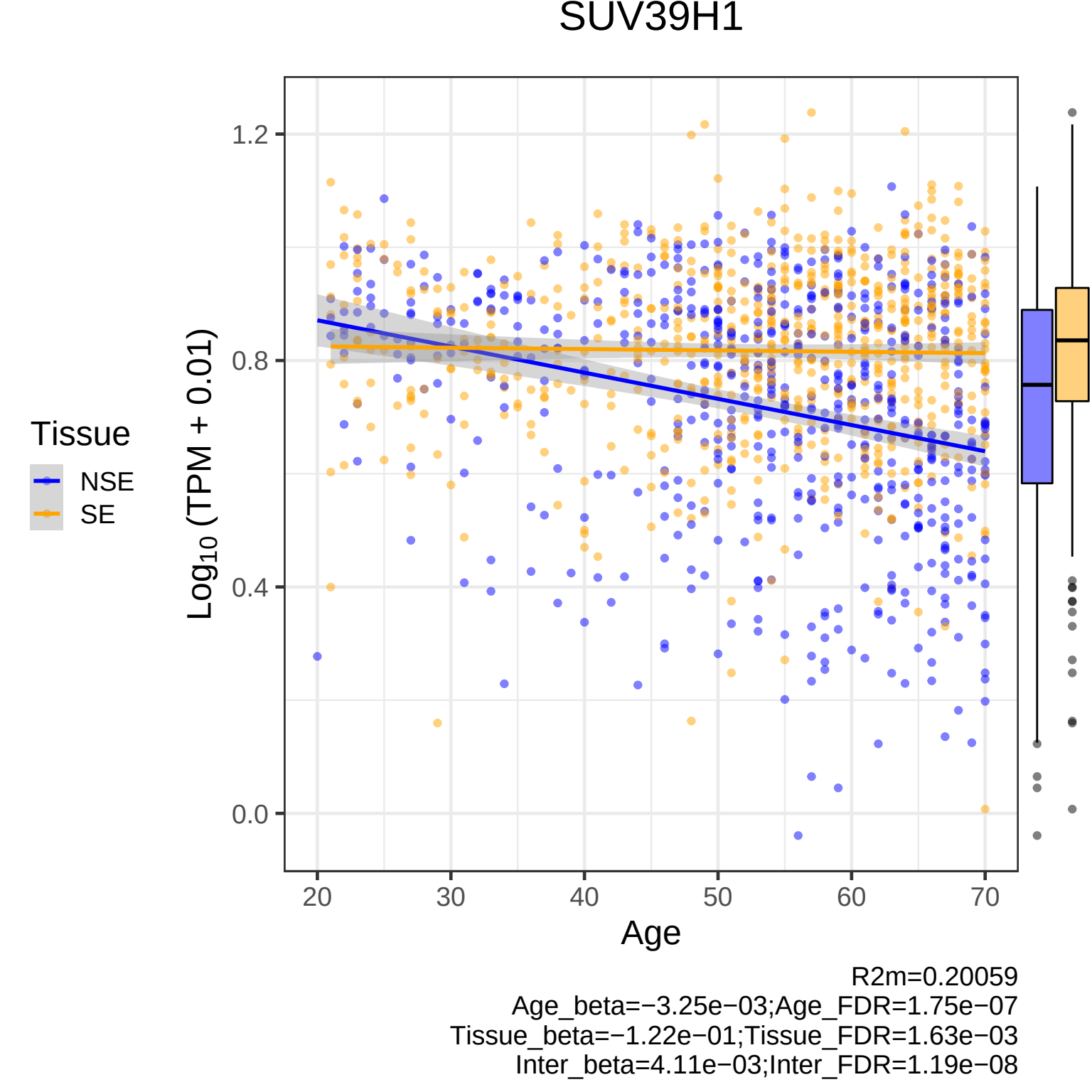

ZNF516
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.6
1.4
1.2
1.0
0.8
20
30
40
50
60
70
Age
R2m=0.2008
Age_beta=1.77e−03;Age_FDR=8.80e−06
Tissue_beta=1.33e−01;Tissue_FDR=5.27e−08
Inter_beta=−1.11e−03;Inter_FDR=2.50e−02

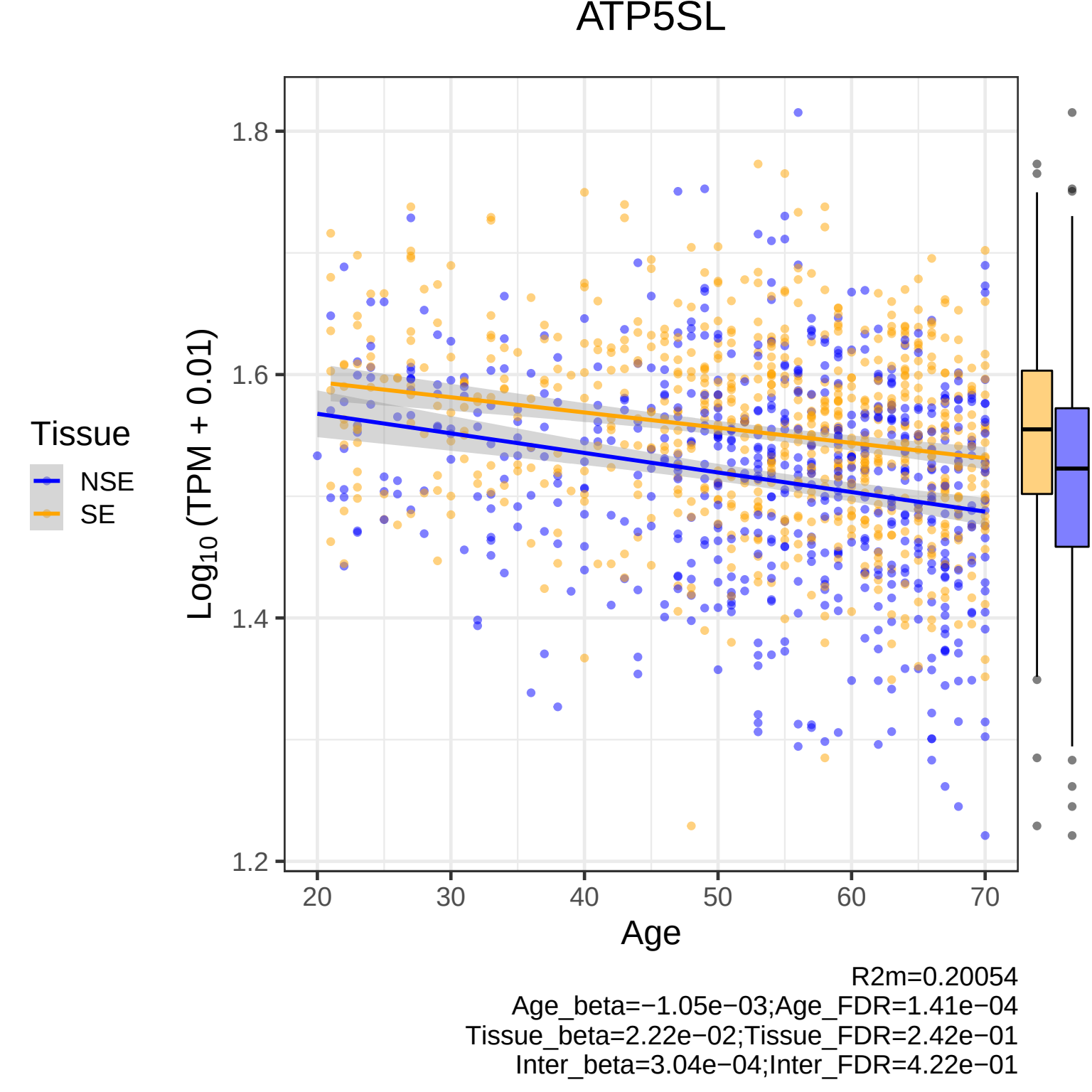

FAM81A
Tissue
NSE
SE
0.5
0.0
−0.5
−1.0
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.20079
Age_beta=2.60e−03;Age_FDR=3.03e−03
Tissue_beta=1.92e−01;Tissue_FDR=9.76e−04
Inter_beta=2.61e−04;Inter_FDR=8.66e−01

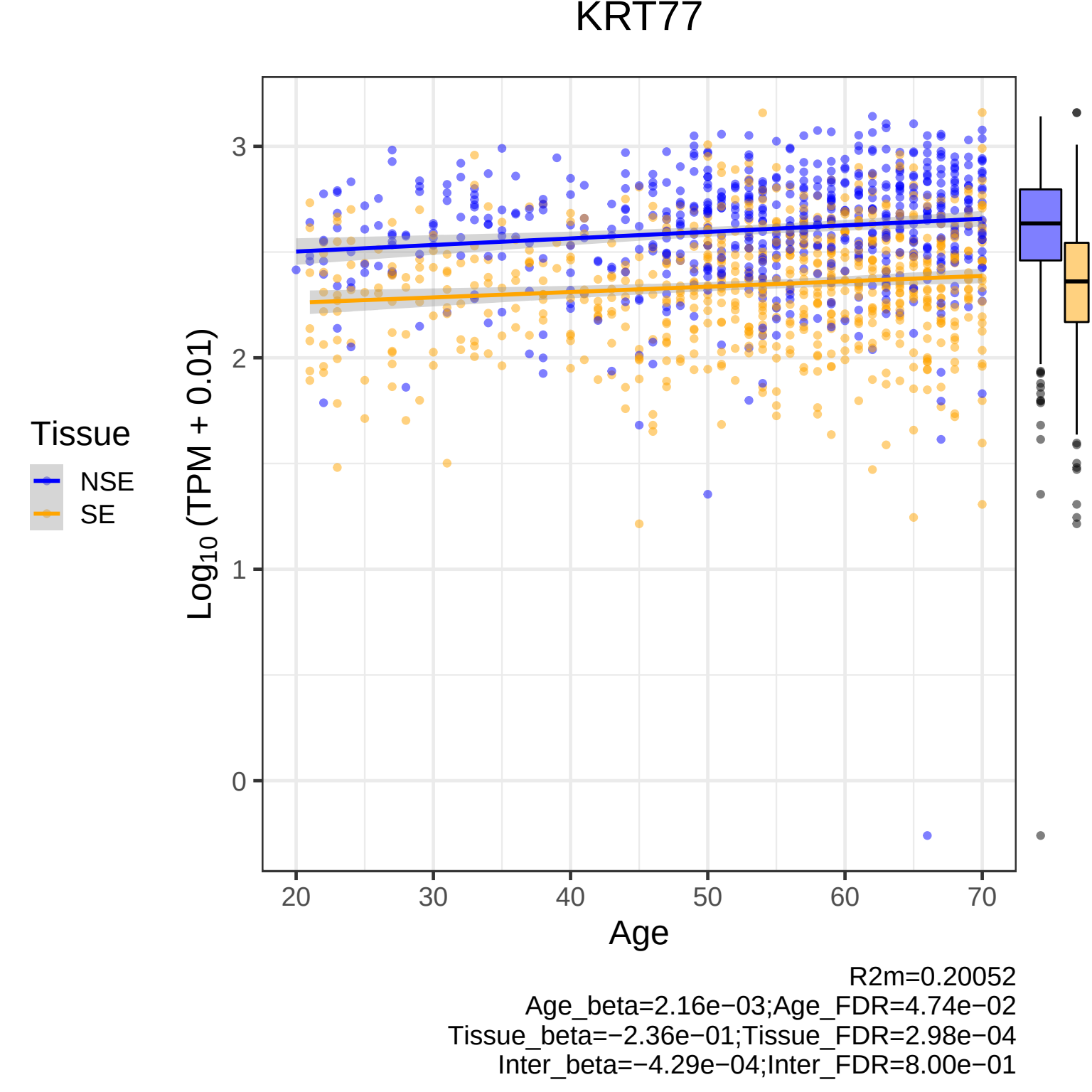

HIST1H1C
Tissue
NSE
SE
Log10 (TPM + 0.01)
3.0
2.5
2.0
1.5
1.0
20
30
40
50
60
70
Age
R2m=0.20078
Age_beta=4.04e−03;Age_FDR=6.86e−04
Tissue_beta=2.26e−01;Tissue_FDR=4.16e−03
Inter_beta=−7.63e−03;Inter_FDR=1.70e−07

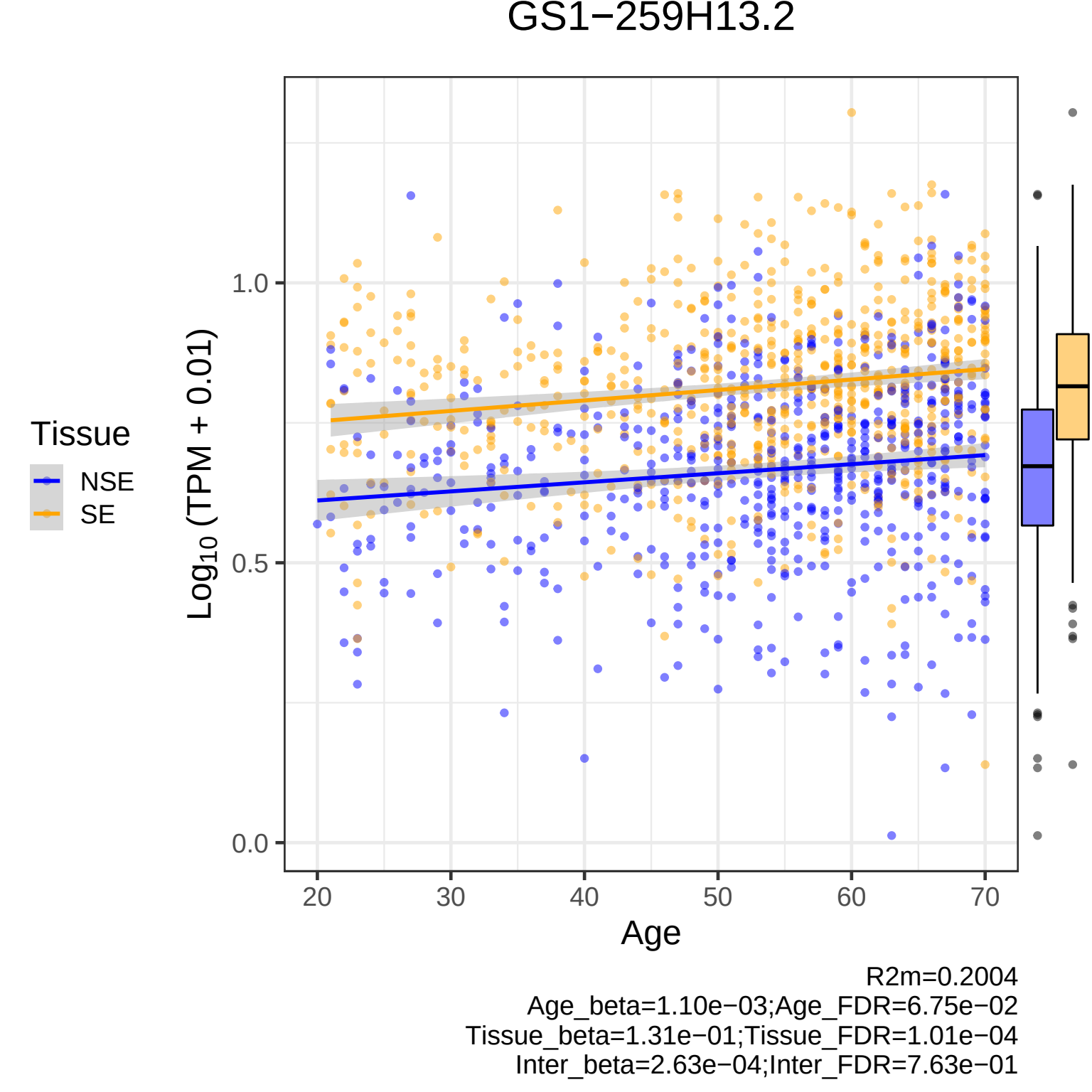

IRX3
Tissue
NSE
SE
Log10 (TPM + 0.01)
2.5
2.0
1.5
1.0
20
30
40
50
60
70
Age
R2m=0.20072
Age_beta=1.41e−03;Age_FDR=4.53e−02
Tissue_beta=−5.94e−02;Tissue_FDR=1.84e−01
Inter_beta=−2.01e−03;Inter_FDR=9.22e−03

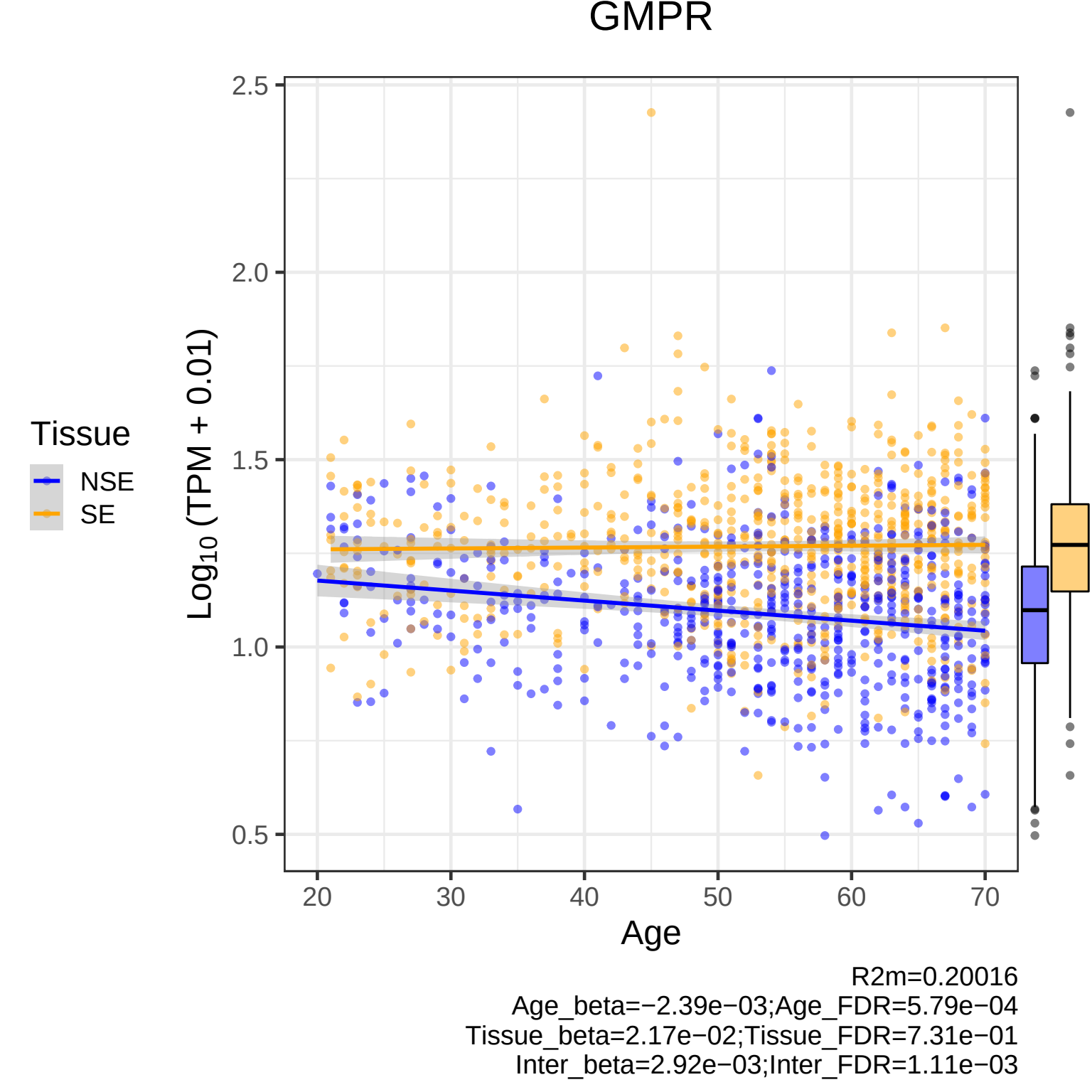

TSPEAR
Tissue
NSE
SE
Log10 (TPM + 0.01)
1
0
−1
−2
20
30
40
50
60
70
Age
R2m=0.2006
Age_beta=6.67e−03;Age_FDR=5.75e−05
Tissue_beta=−2.03e−01;Tissue_FDR=2.12e−02
Inter_beta=−5.63e−04;Inter_FDR=7.96e−01


SUV39H1
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.2
0.8
0.4
0.0
20
30
40
50
60
70
Age
R2m=0.20059
Age_beta=−3.25e−03;Age_FDR=1.75e−07
Tissue_beta=−1.22e−01;Tissue_FDR=1.63e−03
Inter_beta=4.11e−03;Inter_FDR=1.19e−08


ATP5SL
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.8
1.6
1.4
1.2
20
30
40
50
60
70
Age
R2m=0.20054
Age_beta=−1.05e−03;Age_FDR=1.41e−04
Tissue_beta=2.22e−02;Tissue_FDR=2.42e−01
Inter_beta=3.04e−04;Inter_FDR=4.22e−01


KRT77
Tissue
NSE
SE
Log10 (TPM + 0.01)
3
2
1
0
20
30
40
50
60
70
Age
R2m=0.20052
Age_beta=2.16e−03;Age_FDR=4.74e−02
Tissue_beta=−2.36e−01;Tissue_FDR=2.98e−04
Inter_beta=−4.29e−04;Inter_FDR=8.00e−01


GS1−259H13.2
Tissue
NSE
SE
Log10 (TPM + 0.01)
1.0
0.5
0.0
20
30
40
50
60
70
Age
R2m=0.2004
Age_beta=1.10e−03;Age_FDR=6.75e−02
Tissue_beta=1.31e−01;Tissue_FDR=1.01e−04
Inter_beta=2.63e−04;Inter_FDR=7.63e−01


GMPR
Tissue
NSE
SE
2.5
2.0
1.5
1.0
0.5
Log10 (TPM + 0.01)
20
30
40
50
60
70
Age
R2m=0.20016
Age_beta=−2.39e−03;Age_FDR=5.79e−04
Tissue_beta=2.17e−02;Tissue_FDR=7.31e−01
Inter_beta=2.92e−03;Inter_FDR=1.11e−03