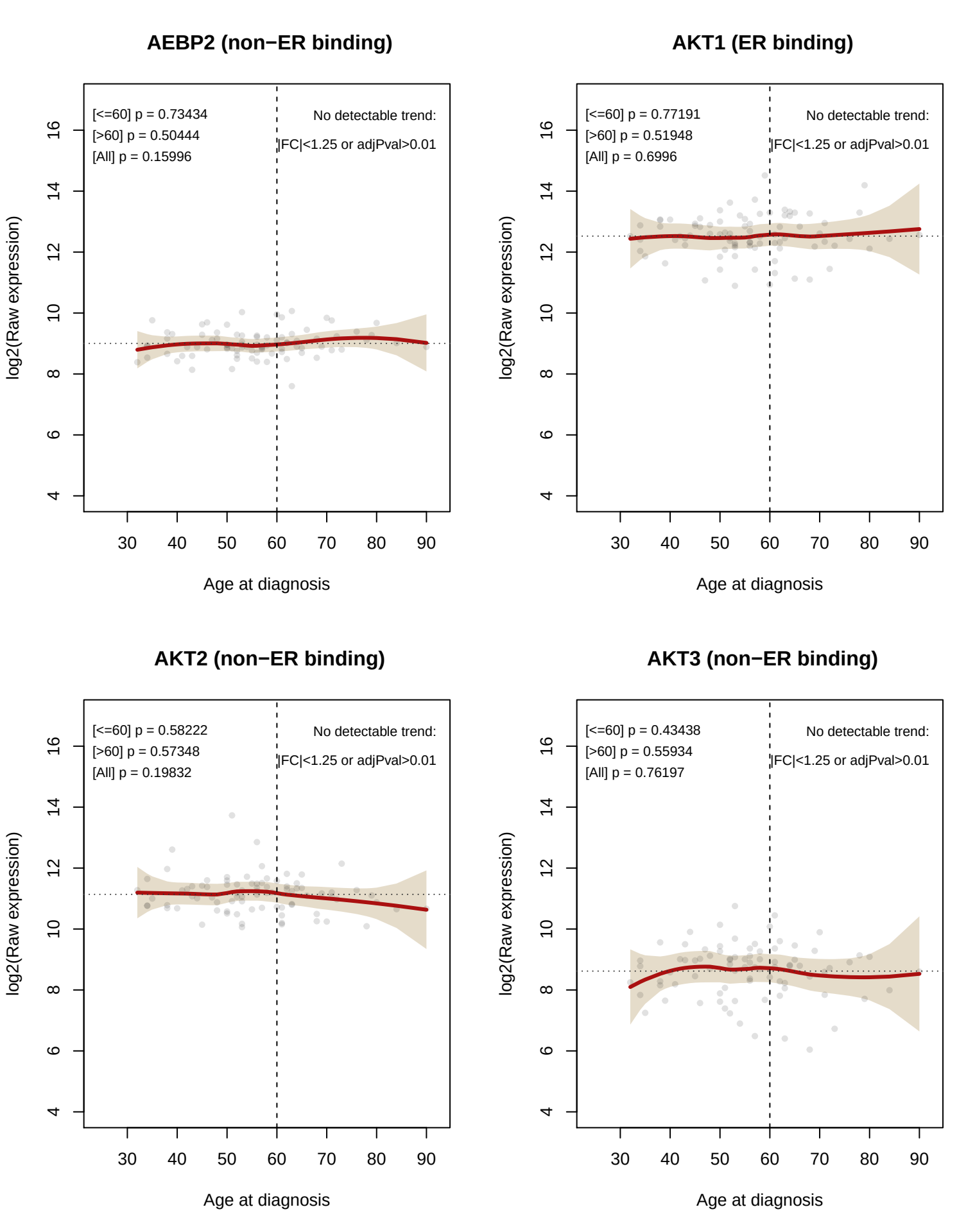
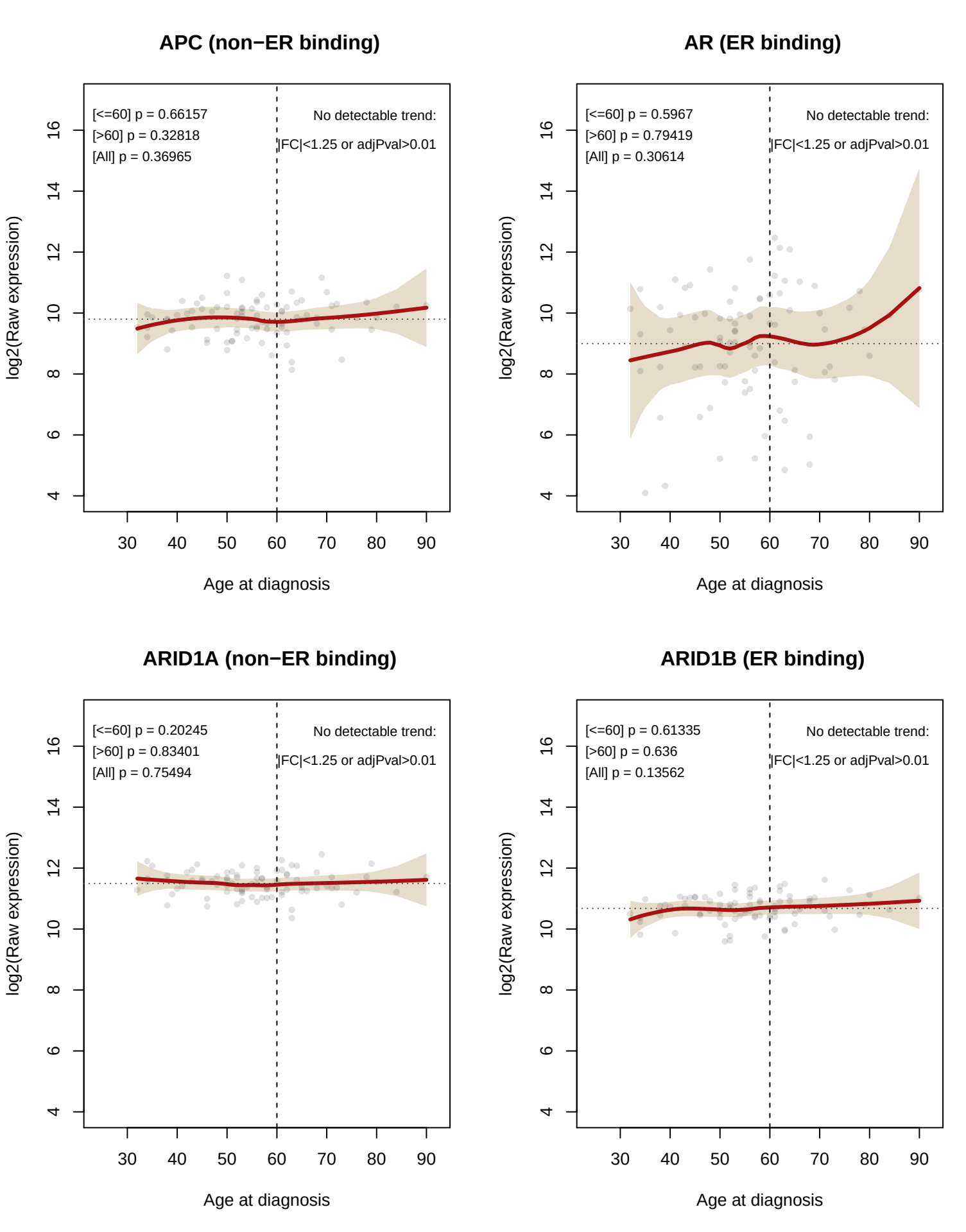
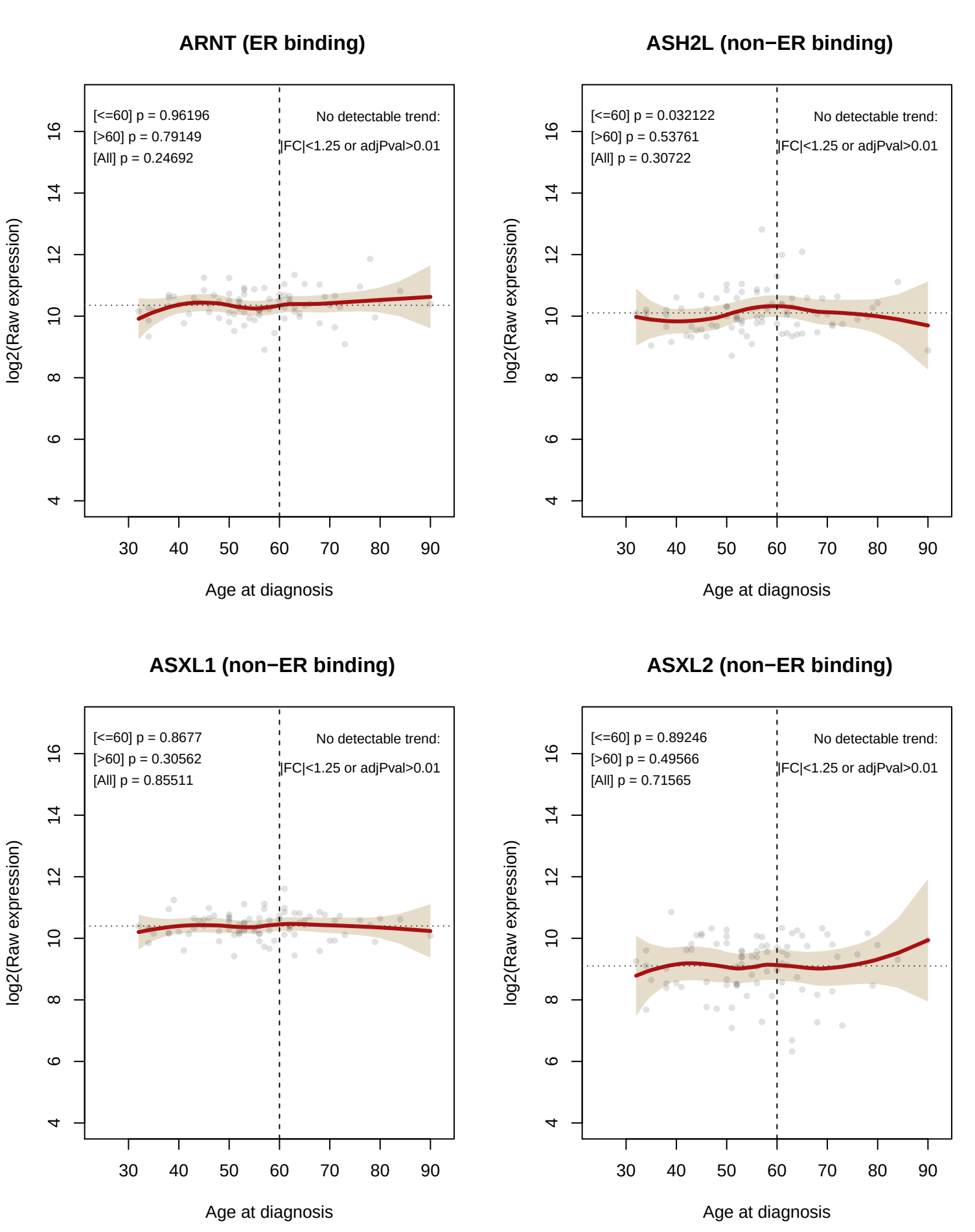
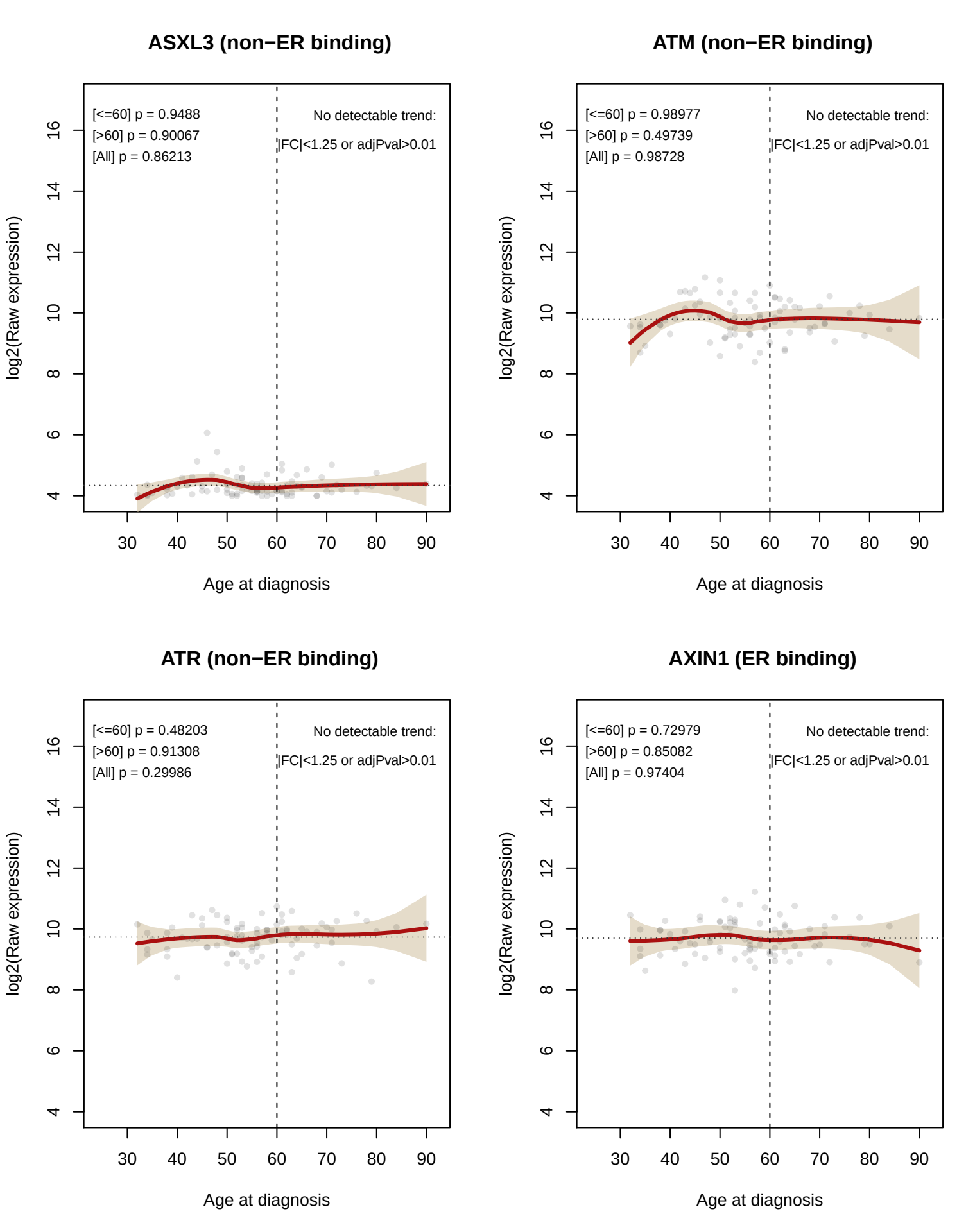
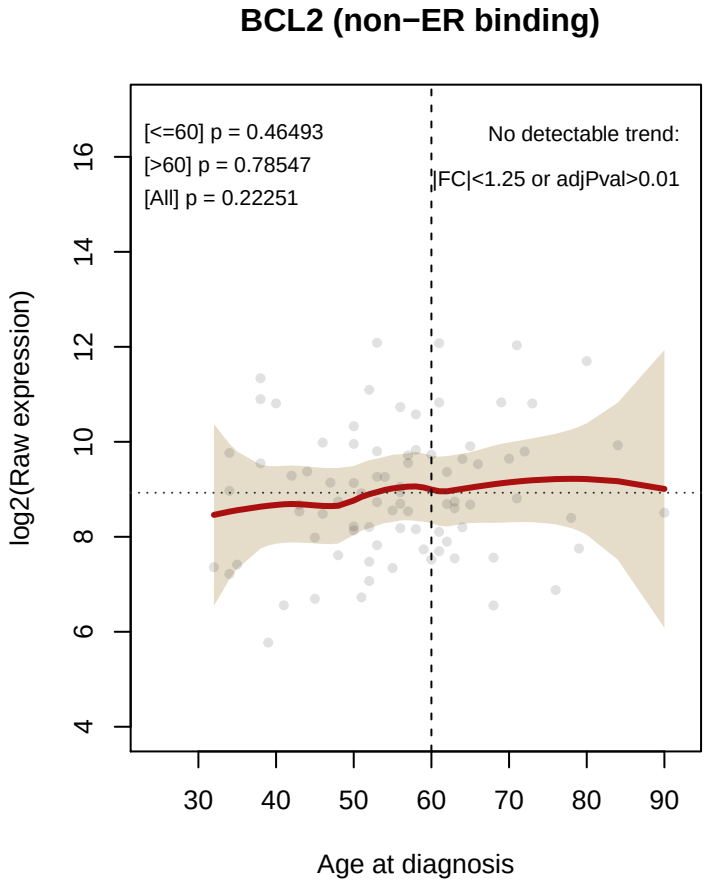
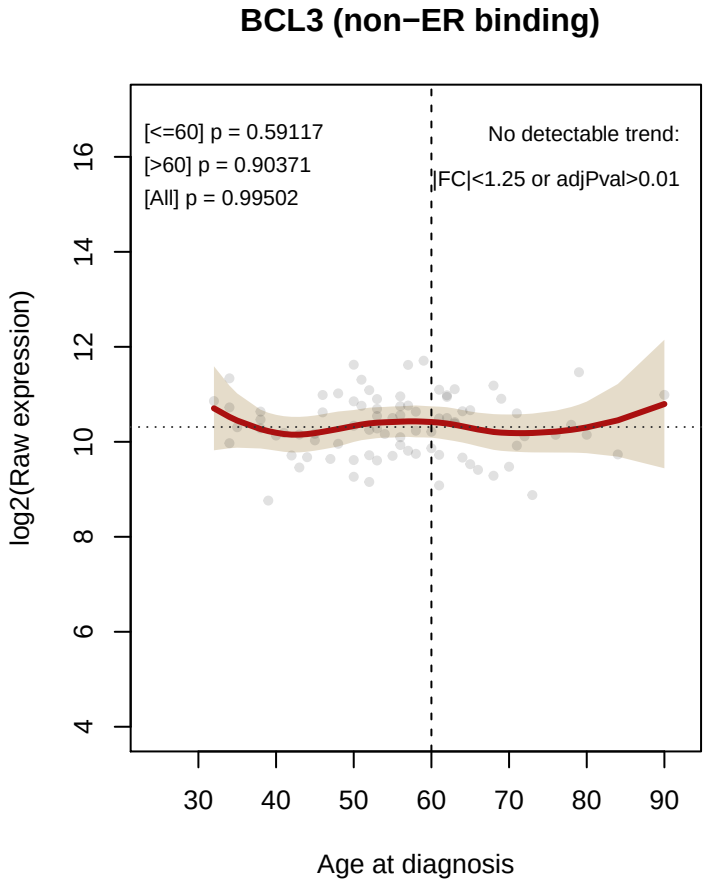

AEBP2 (non−ER binding)
[<=60] p = 0.73434
[>60] p = 0.50444
[All] p = 0.15996
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
AKT1 (ER binding)
[<=60] p = 0.77191
[>60] p = 0.51948
[All] p = 0.6996
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
AKT2 (non−ER binding)
[<=60] p = 0.58222
[>60] p = 0.57348
[All] p = 0.19832
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
AKT3 (non−ER binding)
[<=60] p = 0.43438
[>60] p = 0.55934
[All] p = 0.76197
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

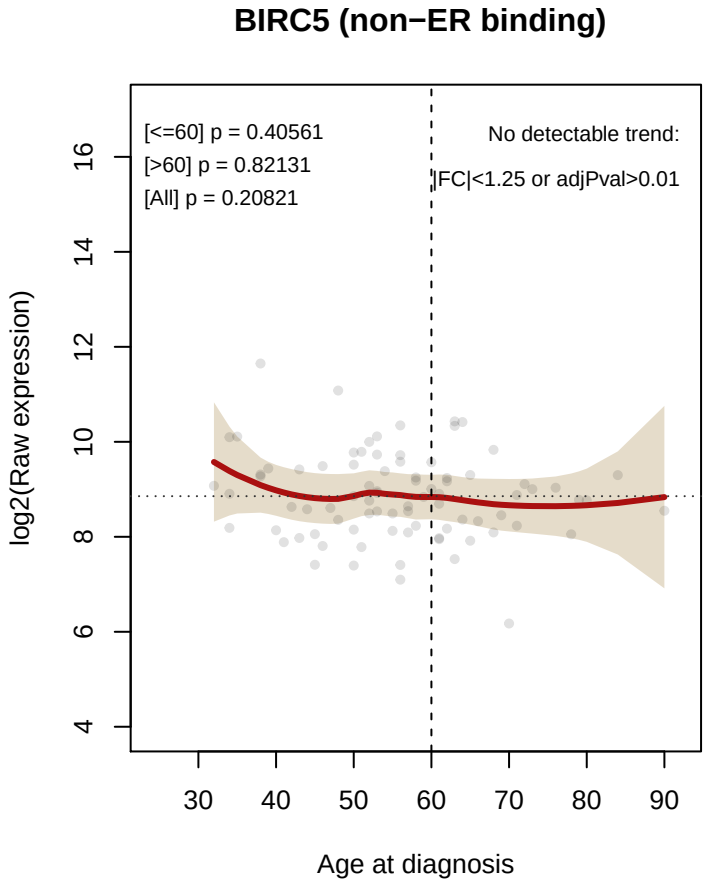

APC (non−ER binding)
[<=60] p = 0.66157
[>60] p = 0.32818
[All] p = 0.36965
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
AR (ER binding)
[<=60] p = 0.5967
[>60] p = 0.79419
[All] p = 0.30614
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
ARID1A (non−ER binding)
[<=60] p = 0.20245
[>60] p = 0.83401
[All] p = 0.75494
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
ARID1B (ER binding)
[<=60] p = 0.61335
[>60] p = 0.636
[All] p = 0.13562
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

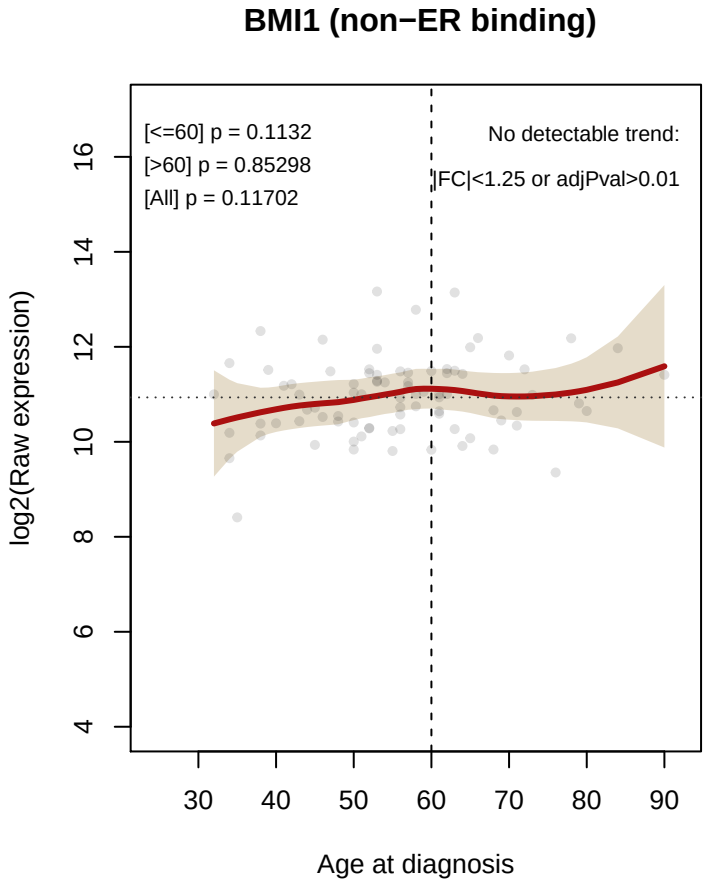

ARNT (ER binding)
[<=60] p = 0.96196
[>60] p = 0.79149
[All] p = 0.24692
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
ASH2L (non−ER binding)
[<=60] p = 0.032122
[>60] p = 0.53761
[All] p = 0.30722
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
ASXL1 (non−ER binding)
[<=60] p = 0.8677
[>60] p = 0.30562
[All] p = 0.85511
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
ASXL2 (non−ER binding)
[<=60] p = 0.89246
[>60] p = 0.49566
[All] p = 0.71565
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

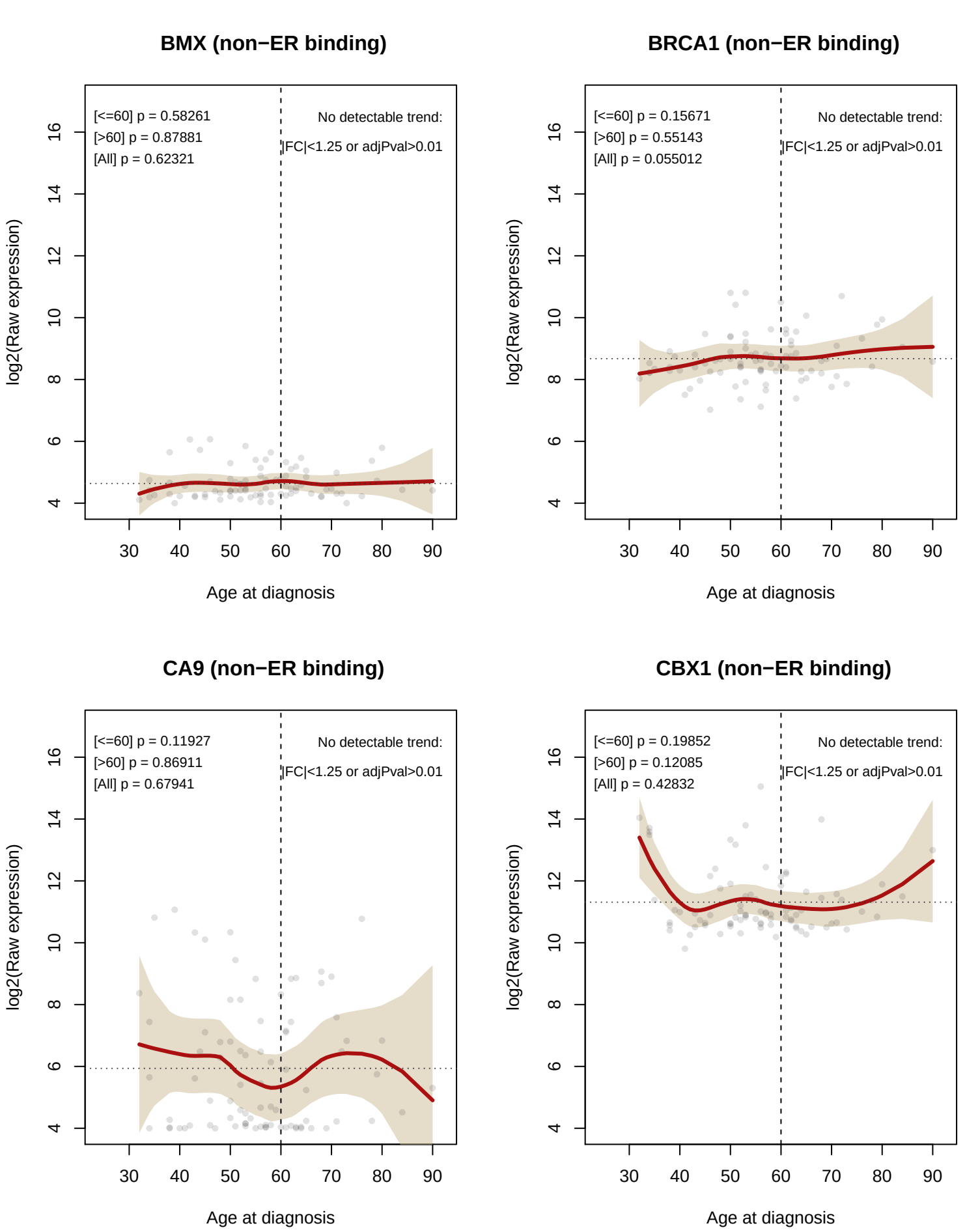

ASXL3 (non−ER binding)
[<=60] p = 0.9488
[>60] p = 0.90067
[All] p = 0.86213
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
ATM (non−ER binding)
[<=60] p = 0.98977
[>60] p = 0.49739
[All] p = 0.98728
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
ATR (non−ER binding)
[<=60] p = 0.48203
[>60] p = 0.91308
[All] p = 0.29986
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
AXIN1 (ER binding)
[<=60] p = 0.72979
[>60] p = 0.85082
[All] p = 0.97404
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

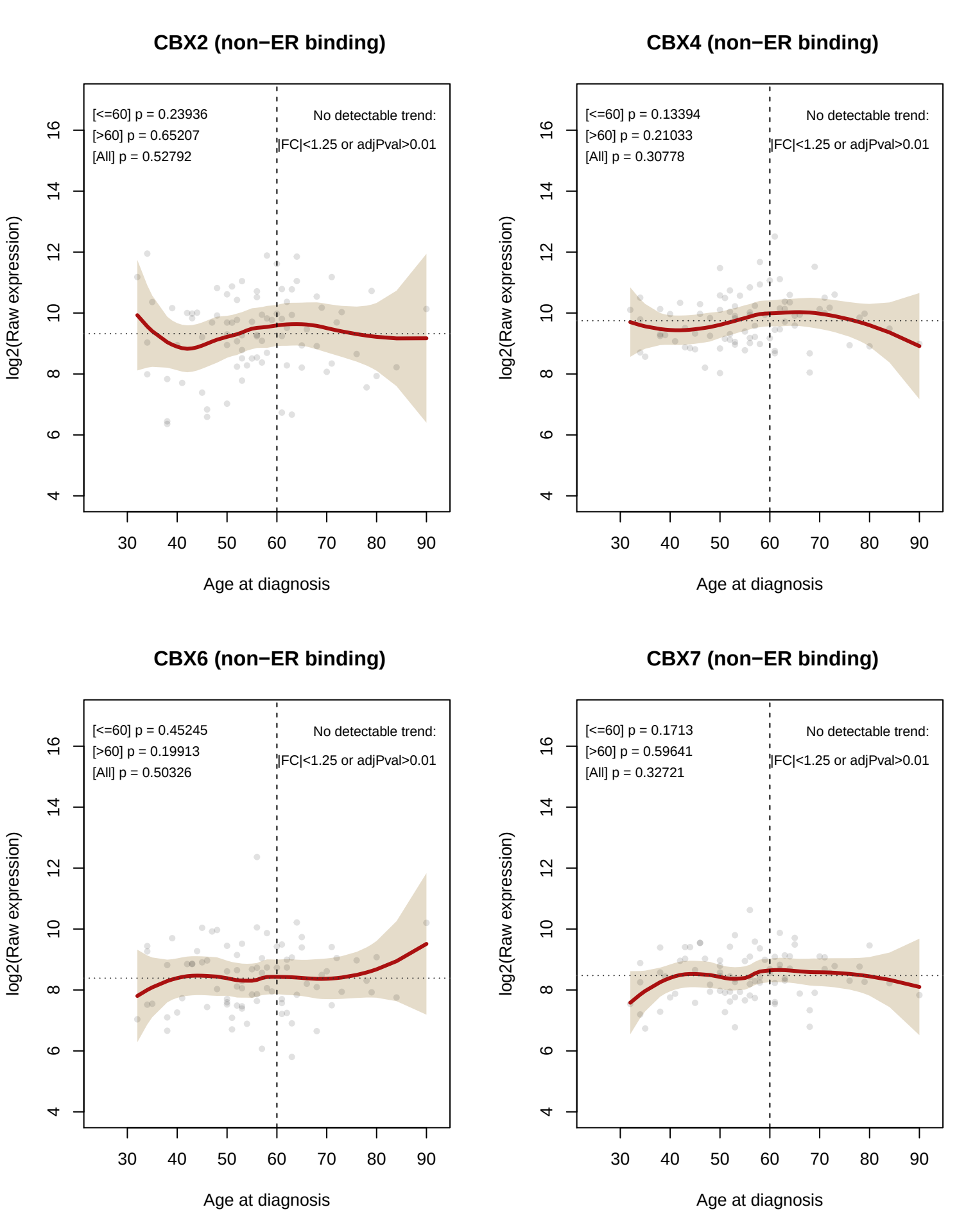

BCL2 (non−ER binding)
[<=60] p = 0.46493
[>60] p = 0.78547
[All] p = 0.22251
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

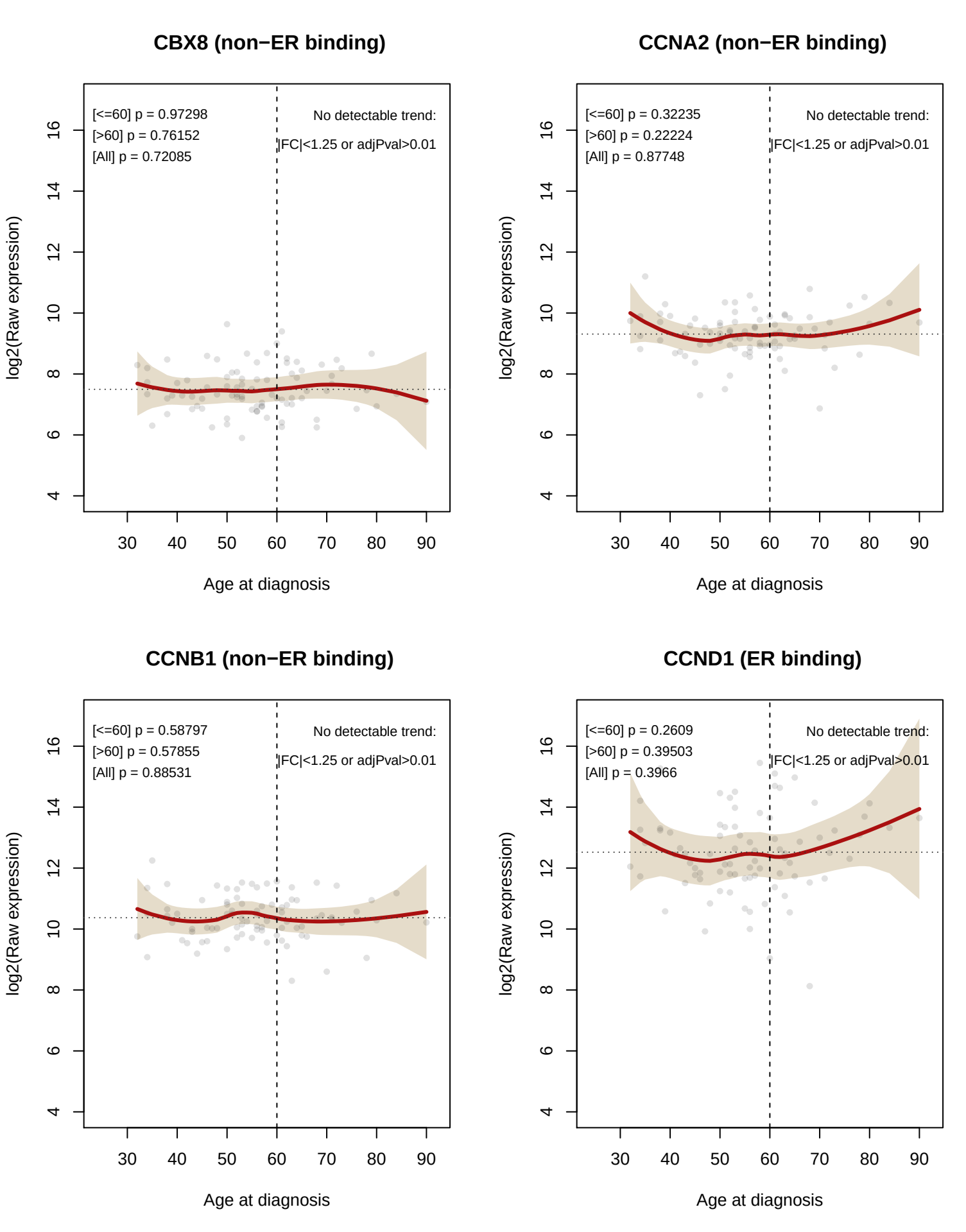

BCL3 (non−ER binding)
[<=60] p = 0.59117
[>60] p = 0.90371
[All] p = 0.99502
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

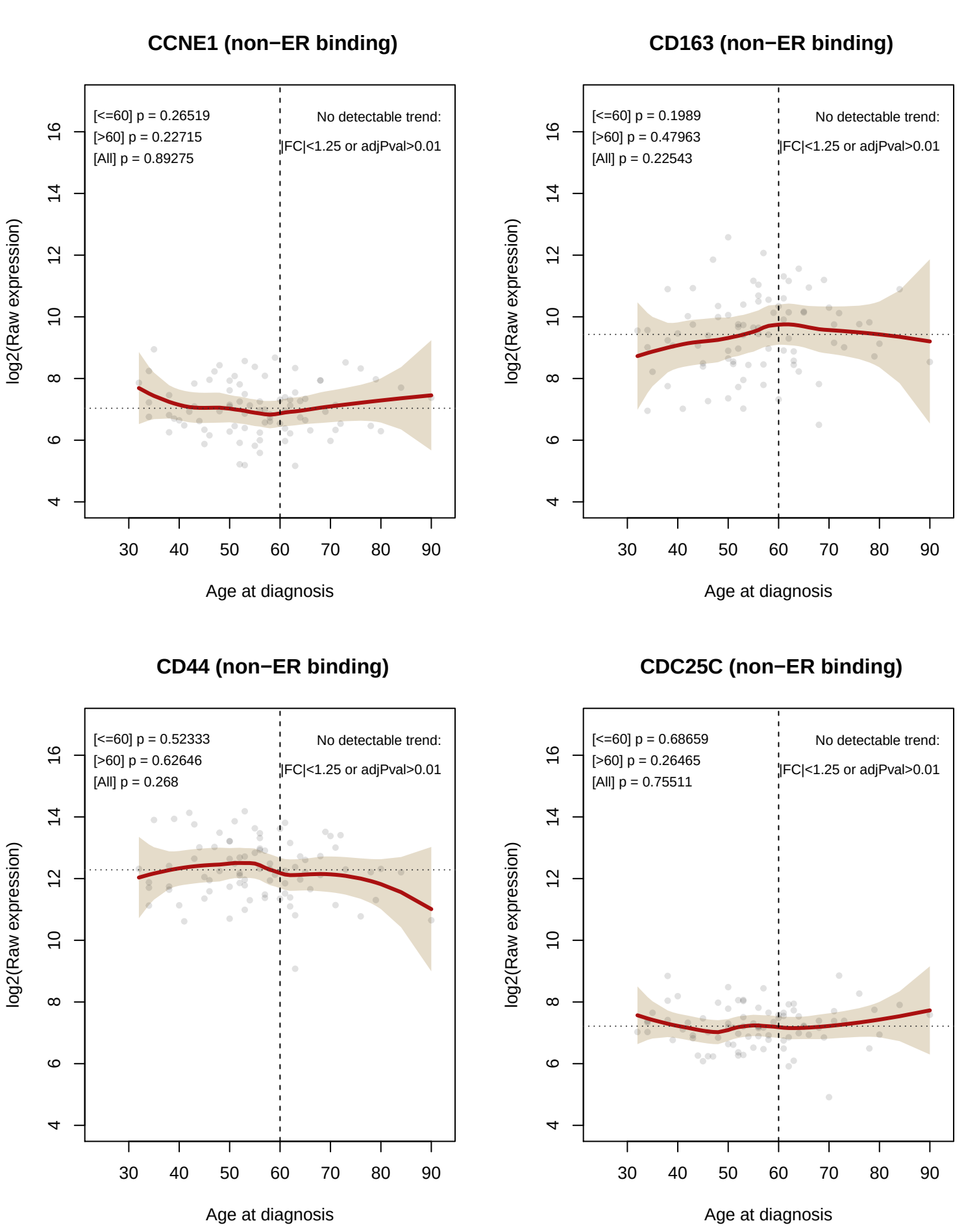

BIRC5 (non−ER binding)
[<=60] p = 0.40561
[>60] p = 0.82131
[All] p = 0.20821
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

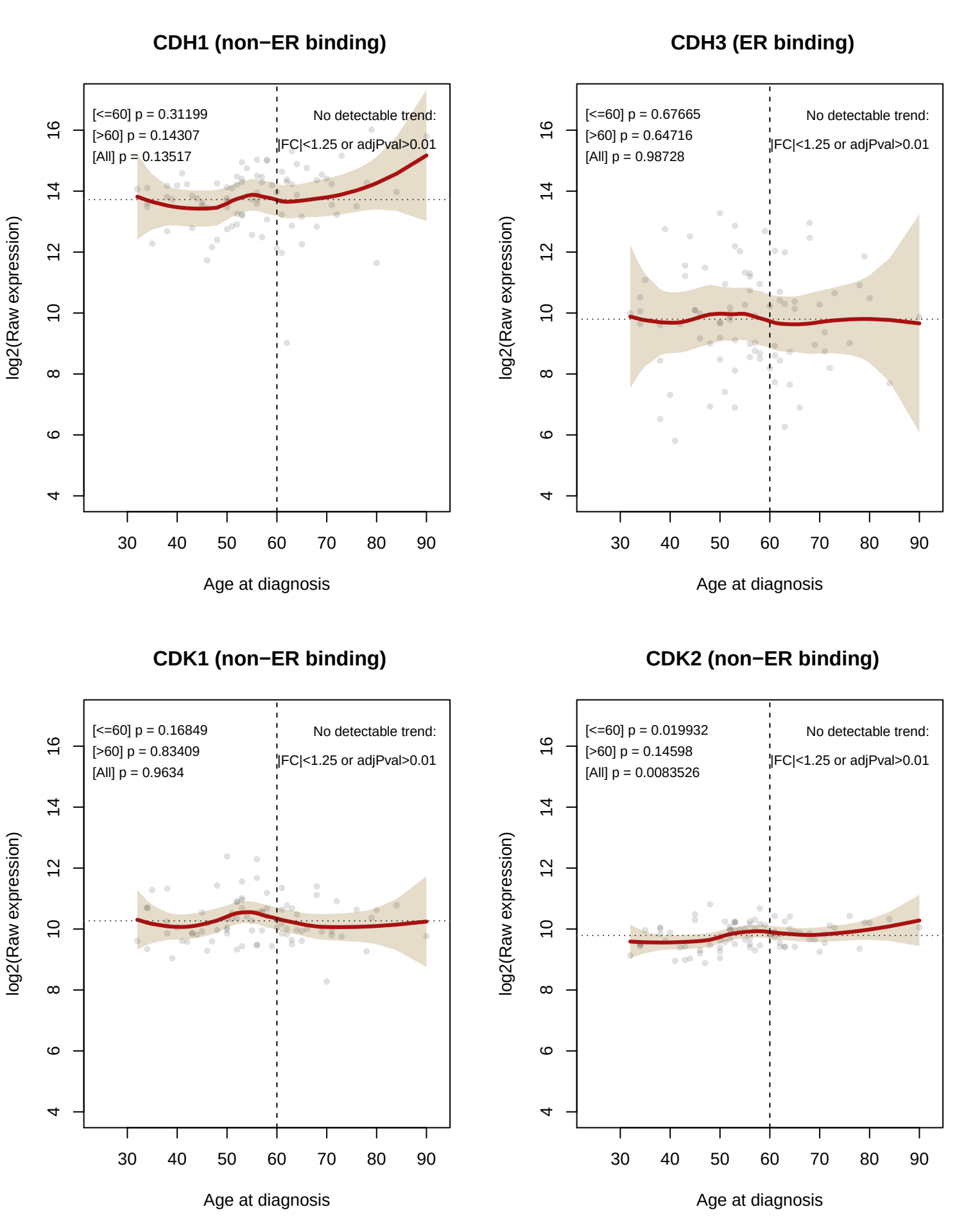

BMI1 (non−ER binding)
[<=60] p = 0.1132
[>60] p = 0.85298
[All] p = 0.11702
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

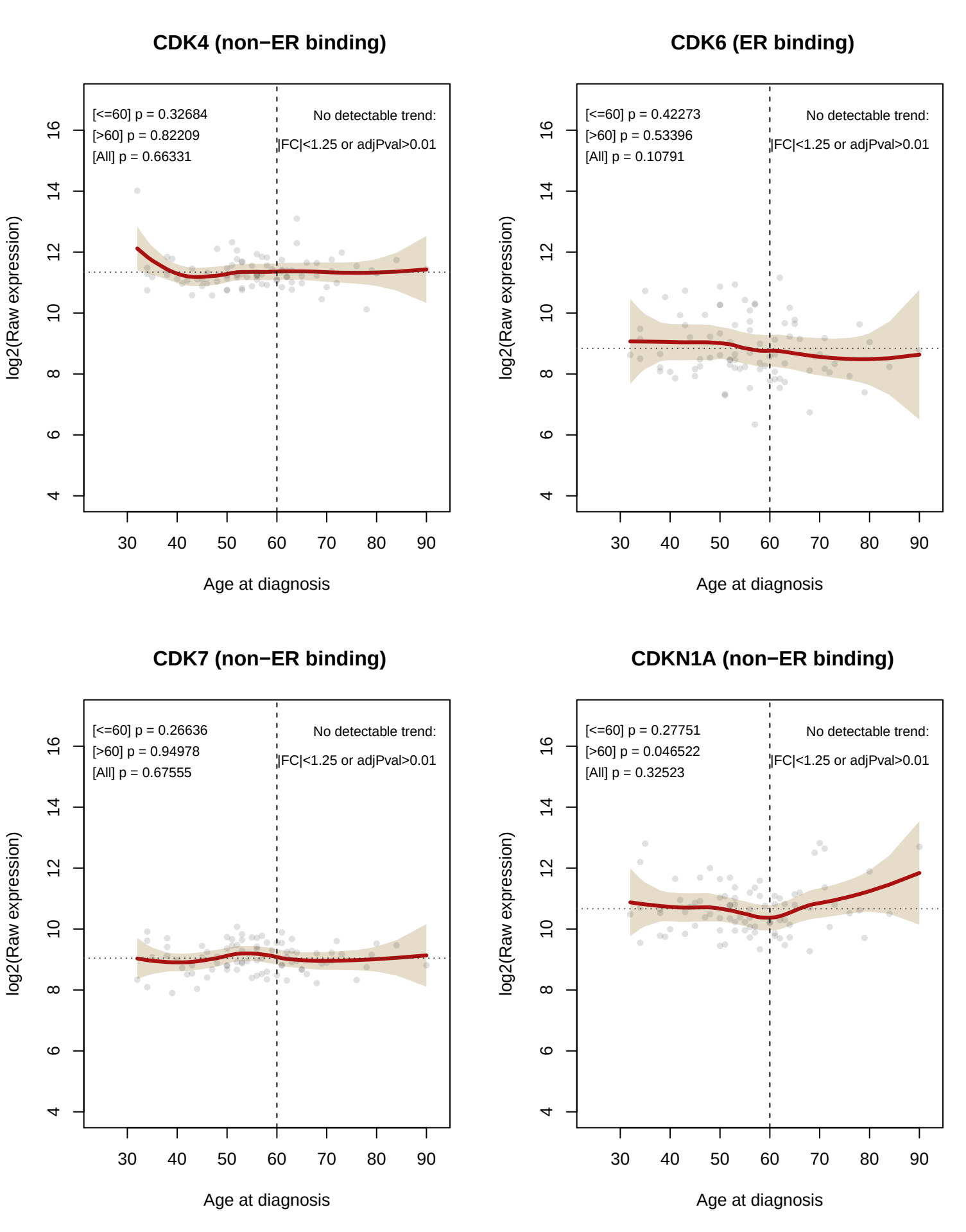

BMX (non−ER binding)
[<=60] p = 0.58261
[>60] p = 0.87881
[All] p = 0.62321
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
BRCA1 (non−ER binding)
[<=60] p = 0.15671
[>60] p = 0.55143
[All] p = 0.055012
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CA9 (non−ER binding)
[<=60] p = 0.11927
[>60] p = 0.86911
[All] p = 0.67941
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CBX1 (non−ER binding)
[<=60] p = 0.19852
[>60] p = 0.12085
[All] p = 0.42832
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

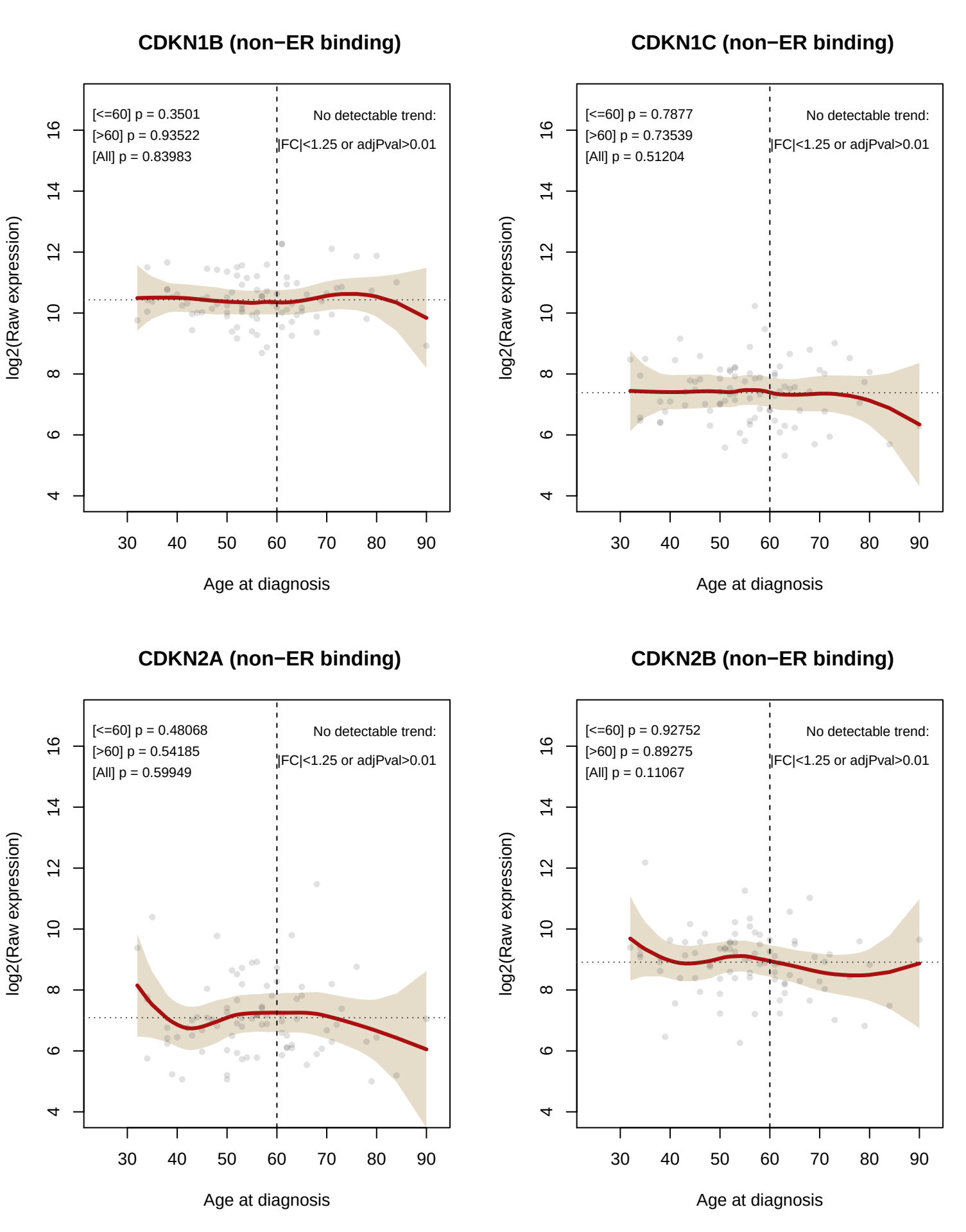

CBX2 (non−ER binding)
[<=60] p = 0.23936
[>60] p = 0.65207
[All] p = 0.52792
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CBX4 (non−ER binding)
[<=60] p = 0.13394
[>60] p = 0.21033
[All] p = 0.30778
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CBX6 (non−ER binding)
[<=60] p = 0.45245
[>60] p = 0.19913
[All] p = 0.50326
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CBX7 (non−ER binding)
[<=60] p = 0.1713
[>60] p = 0.59641
[All] p = 0.32721
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

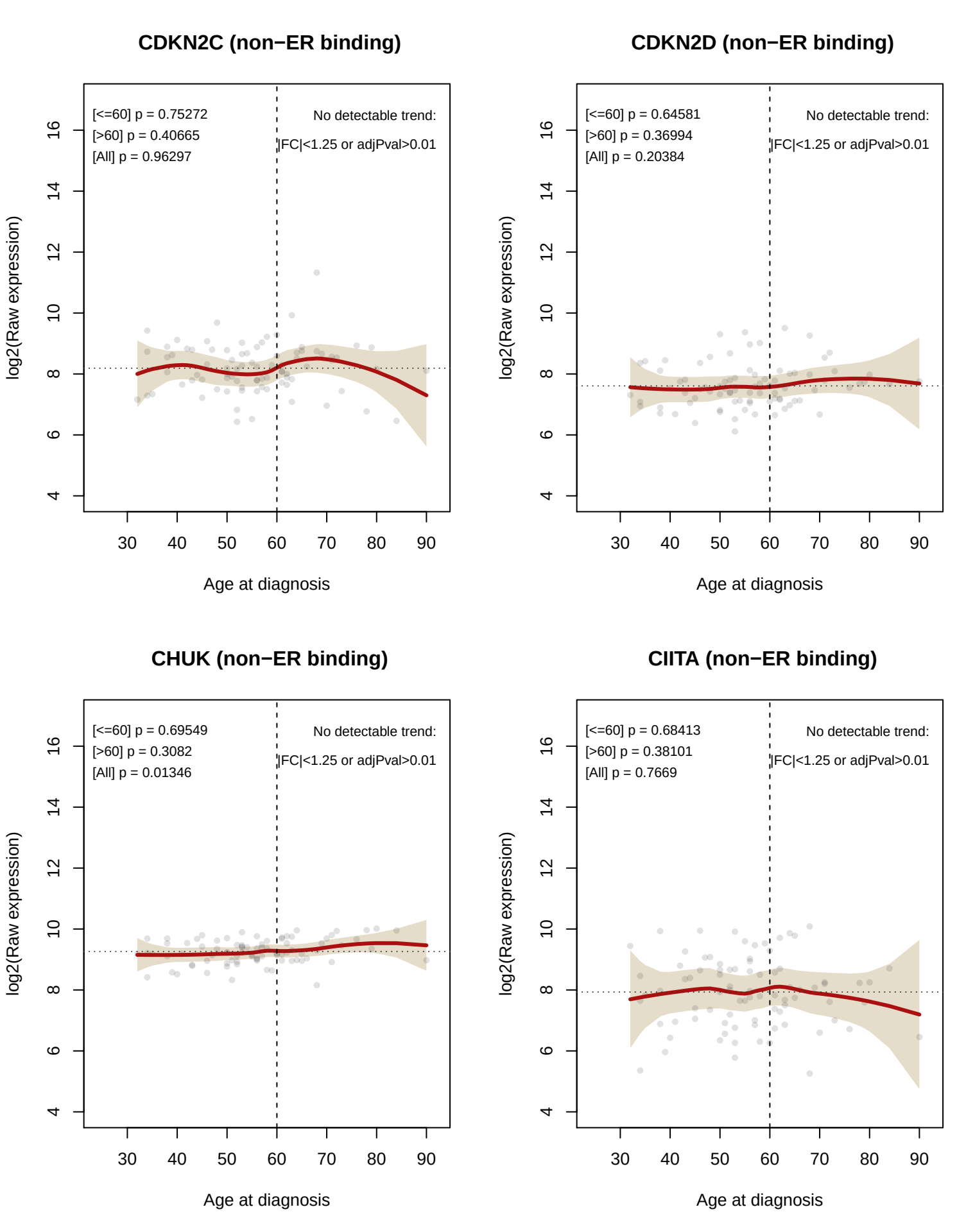

CBX8 (non−ER binding)
[<=60] p = 0.97298
[>60] p = 0.76152
[All] p = 0.72085
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CCNA2 (non−ER binding)
[<=60] p = 0.32235
[>60] p = 0.22224
[All] p = 0.87748
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CCNB1 (non−ER binding)
[<=60] p = 0.58797
[>60] p = 0.57855
[All] p = 0.88531
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CCND1 (ER binding)
[<=60] p = 0.2609
[>60] p = 0.39503
[All] p = 0.3966
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

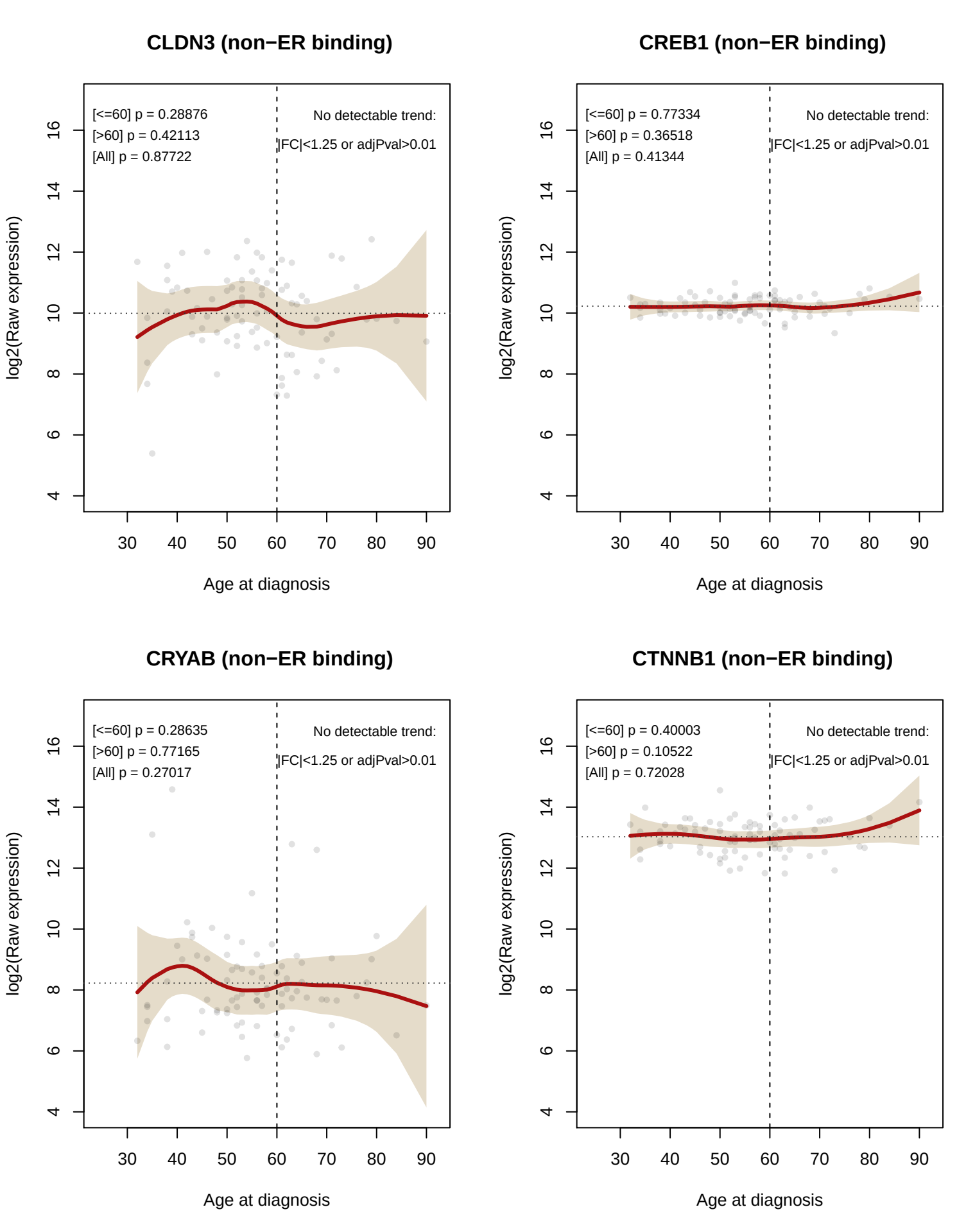

CCNE1 (non−ER binding)
[<=60] p = 0.26519
[>60] p = 0.22715
[All] p = 0.89275
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CD163 (non−ER binding)
[<=60] p = 0.1989
[>60] p = 0.47963
[All] p = 0.22543
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CD44 (non−ER binding)
[<=60] p = 0.52333
[>60] p = 0.62646
[All] p = 0.268
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CDC25C (non−ER binding)
[<=60] p = 0.68659
[>60] p = 0.26465
[All] p = 0.75511
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

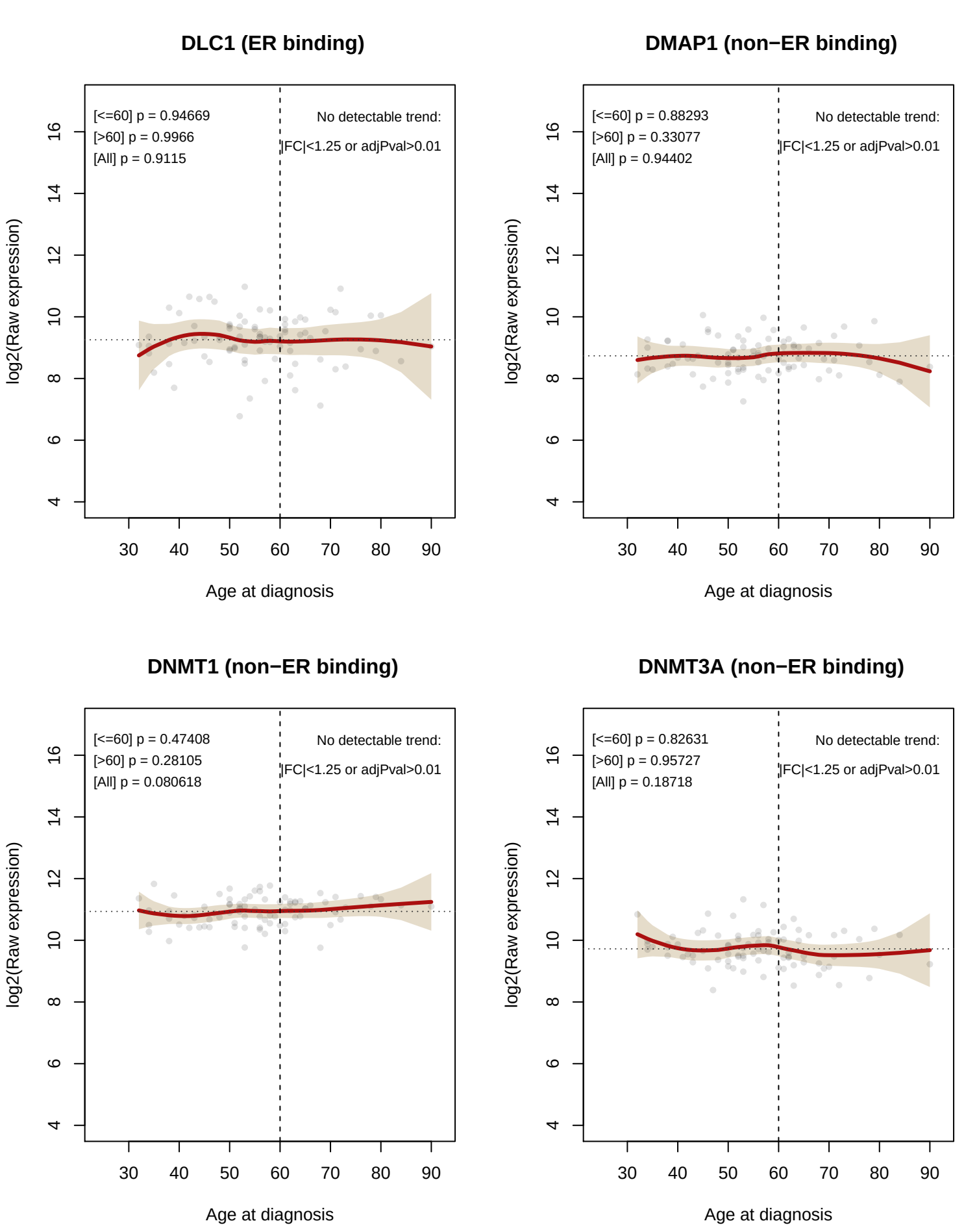

CDH1 (non−ER binding)
[<=60] p = 0.31199
[>60] p = 0.14307
[All] p = 0.13517
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CDH3 (ER binding)
[<=60] p = 0.67665
[>60] p = 0.64716
[All] p = 0.98728
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CDK1 (non−ER binding)
[<=60] p = 0.16849
[>60] p = 0.83409
[All] p = 0.9634
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CDK2 (non−ER binding)
[<=60] p = 0.019932
[>60] p = 0.14598
[All] p = 0.0083526
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

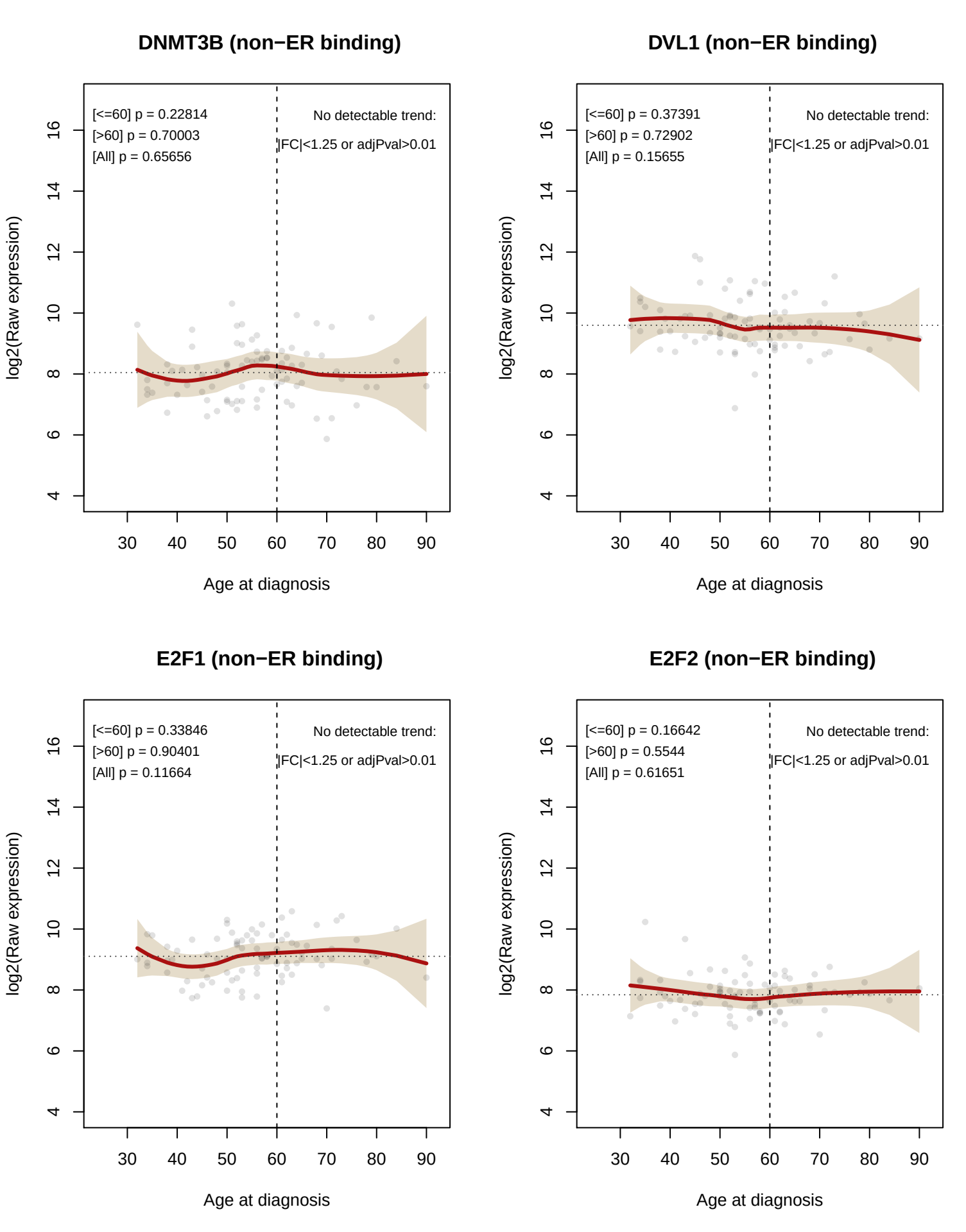

CDK4 (non−ER binding)
[<=60] p = 0.32684
[>60] p = 0.82209
[All] p = 0.66331
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CDK6 (ER binding)
[<=60] p = 0.42273
[>60] p = 0.53396
[All] p = 0.10791
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CDK7 (non−ER binding)
[<=60] p = 0.26636
[>60] p = 0.94978
[All] p = 0.67555
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CDKN1A (non−ER binding)
[<=60] p = 0.27751
[>60] p = 0.046522
[All] p = 0.32523
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

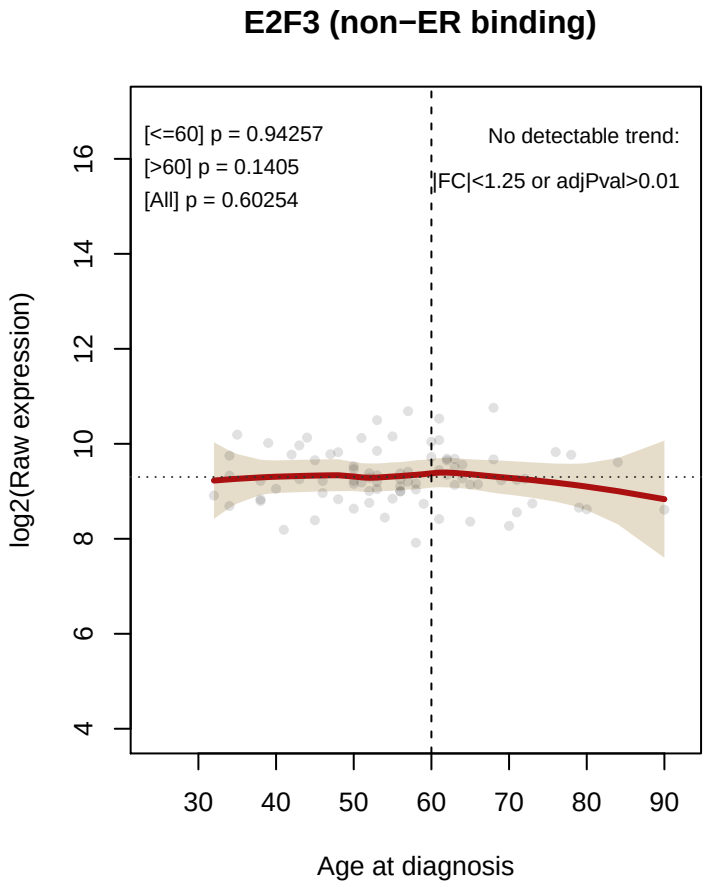

CDKN1B (non−ER binding)
[<=60] p = 0.3501
[>60] p = 0.93522
[All] p = 0.83983
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CDKN1C (non−ER binding)
[<=60] p = 0.7877
[>60] p = 0.73539
[All] p = 0.51204
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CDKN2A (non−ER binding)
[<=60] p = 0.48068
[>60] p = 0.54185
[All] p = 0.59949
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CDKN2B (non−ER binding)
[<=60] p = 0.92752
[>60] p = 0.89275
[All] p = 0.11067
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

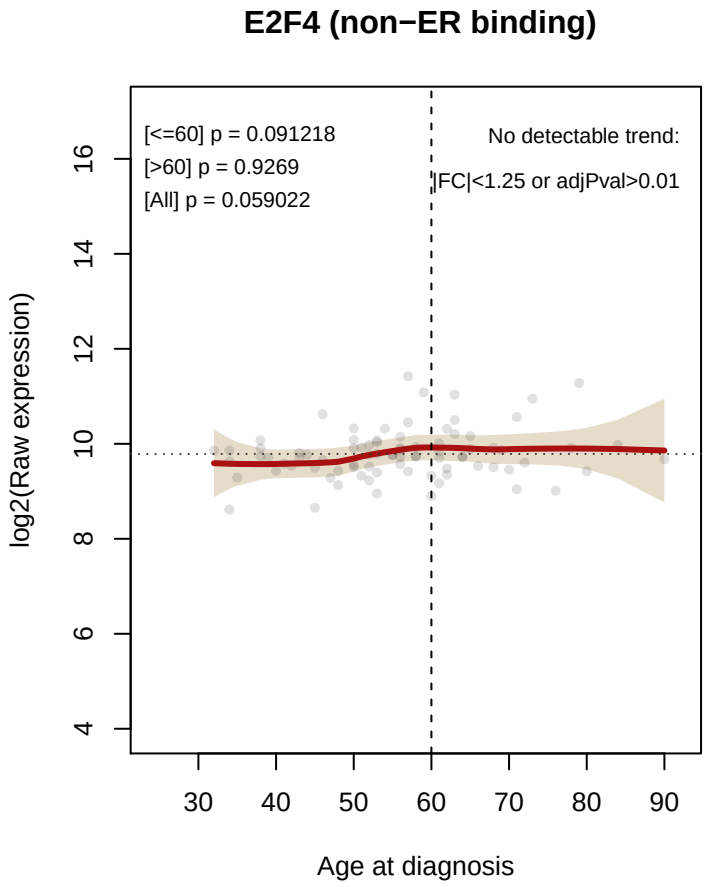

CDKN2C (non−ER binding)
[<=60] p = 0.75272
[>60] p = 0.40665
[All] p = 0.96297
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CDKN2D (non−ER binding)
[<=60] p = 0.64581
[>60] p = 0.36994
[All] p = 0.20384
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CHUK (non−ER binding)
[<=60] p = 0.69549
[>60] p = 0.3082
[All] p = 0.01346
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CIITA (non−ER binding)
[<=60] p = 0.68413
[>60] p = 0.38101
[All] p = 0.7669
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

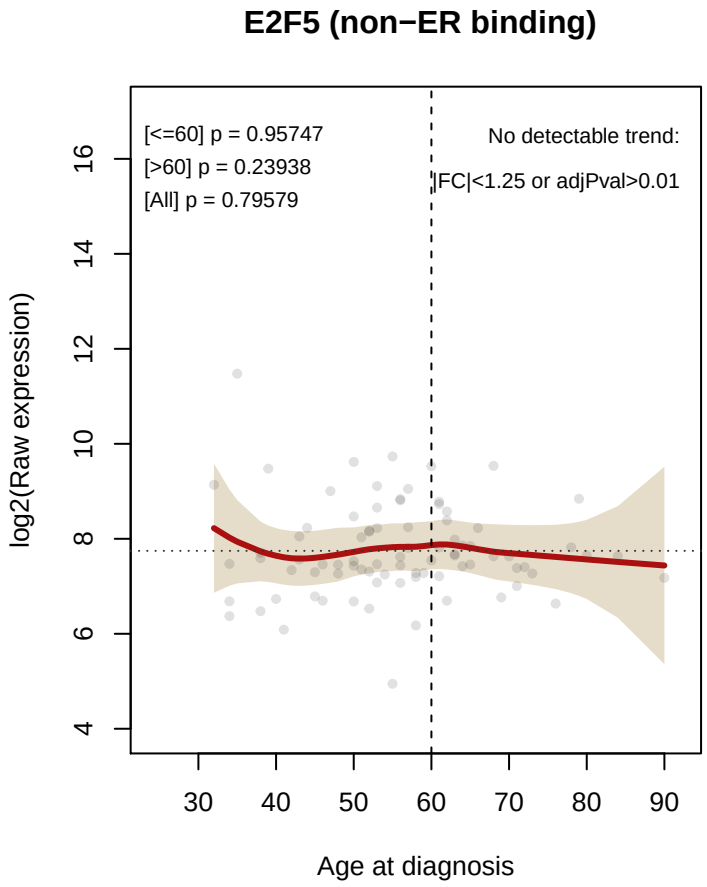

CLDN3 (non−ER binding)
[<=60] p = 0.28876
[>60] p = 0.42113
[All] p = 0.87722
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CREB1 (non−ER binding)
[<=60] p = 0.77334
[>60] p = 0.36518
[All] p = 0.41344
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CRYAB (non−ER binding)
[<=60] p = 0.28635
[>60] p = 0.77165
[All] p = 0.27017
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CTNNB1 (non−ER binding)
[<=60] p = 0.40003
[>60] p = 0.10522
[All] p = 0.72028
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

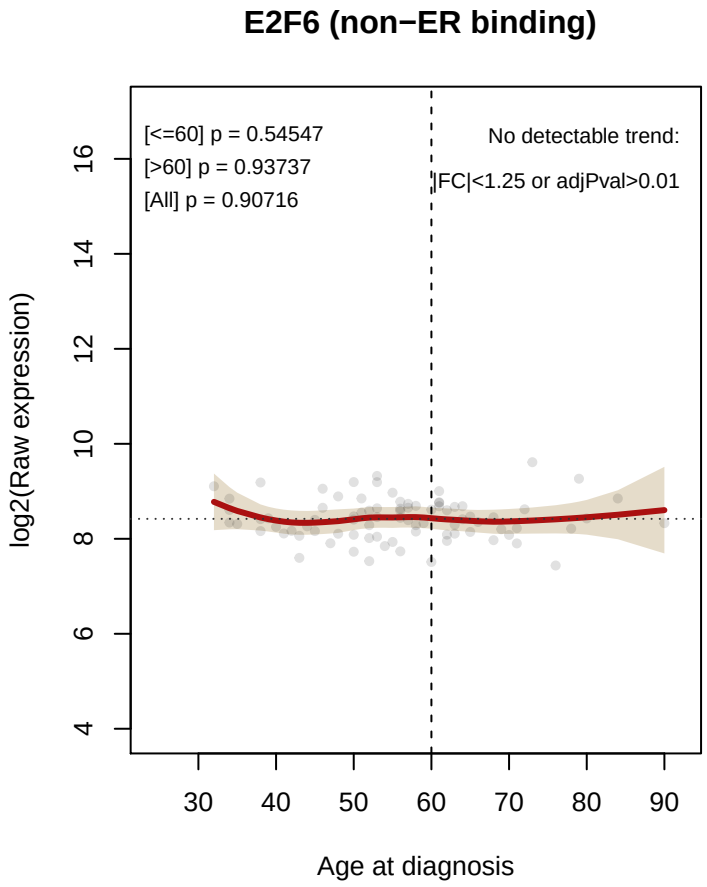

DLC1 (ER binding)
[<=60] p = 0.94669
[>60] p = 0.9966
[All] p = 0.9115
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
DMAP1 (non−ER binding)
[<=60] p = 0.88293
[>60] p = 0.33077
[All] p = 0.94402
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
DNMT1 (non−ER binding)
[<=60] p = 0.47408
[>60] p = 0.28105
[All] p = 0.080618
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
DNMT3A (non−ER binding)
[<=60] p = 0.82631
[>60] p = 0.95727
[All] p = 0.18718
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

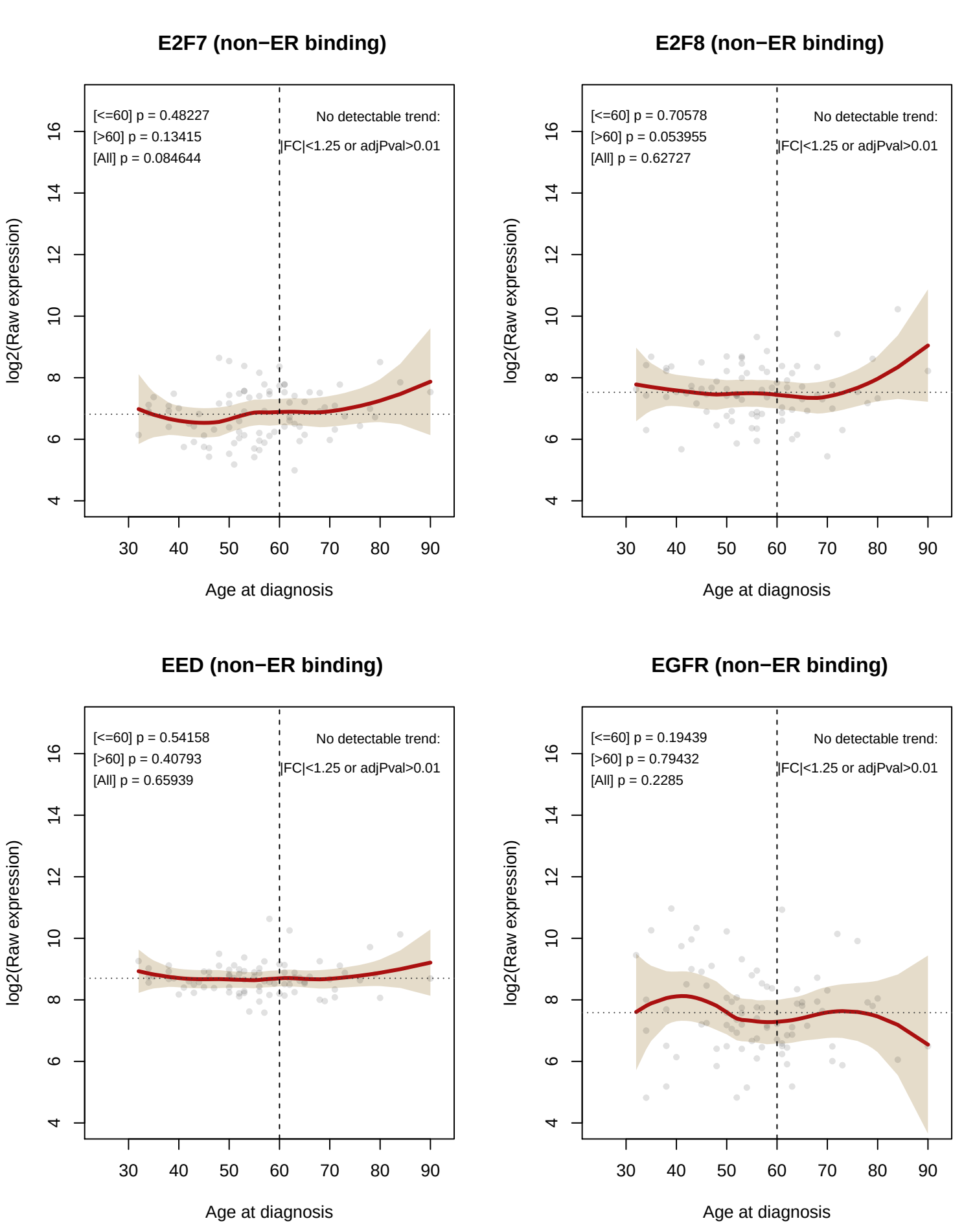

DNMT3B (non−ER binding)
[<=60] p = 0.22814
[>60] p = 0.70003
[All] p = 0.65656
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
DVL1 (non−ER binding)
[<=60] p = 0.37391
[>60] p = 0.72902
[All] p = 0.15655
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
E2F1 (non−ER binding)
[<=60] p = 0.33846
[>60] p = 0.90401
[All] p = 0.11664
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
E2F2 (non−ER binding)
[<=60] p = 0.16642
[>60] p = 0.5544
[All] p = 0.61651
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

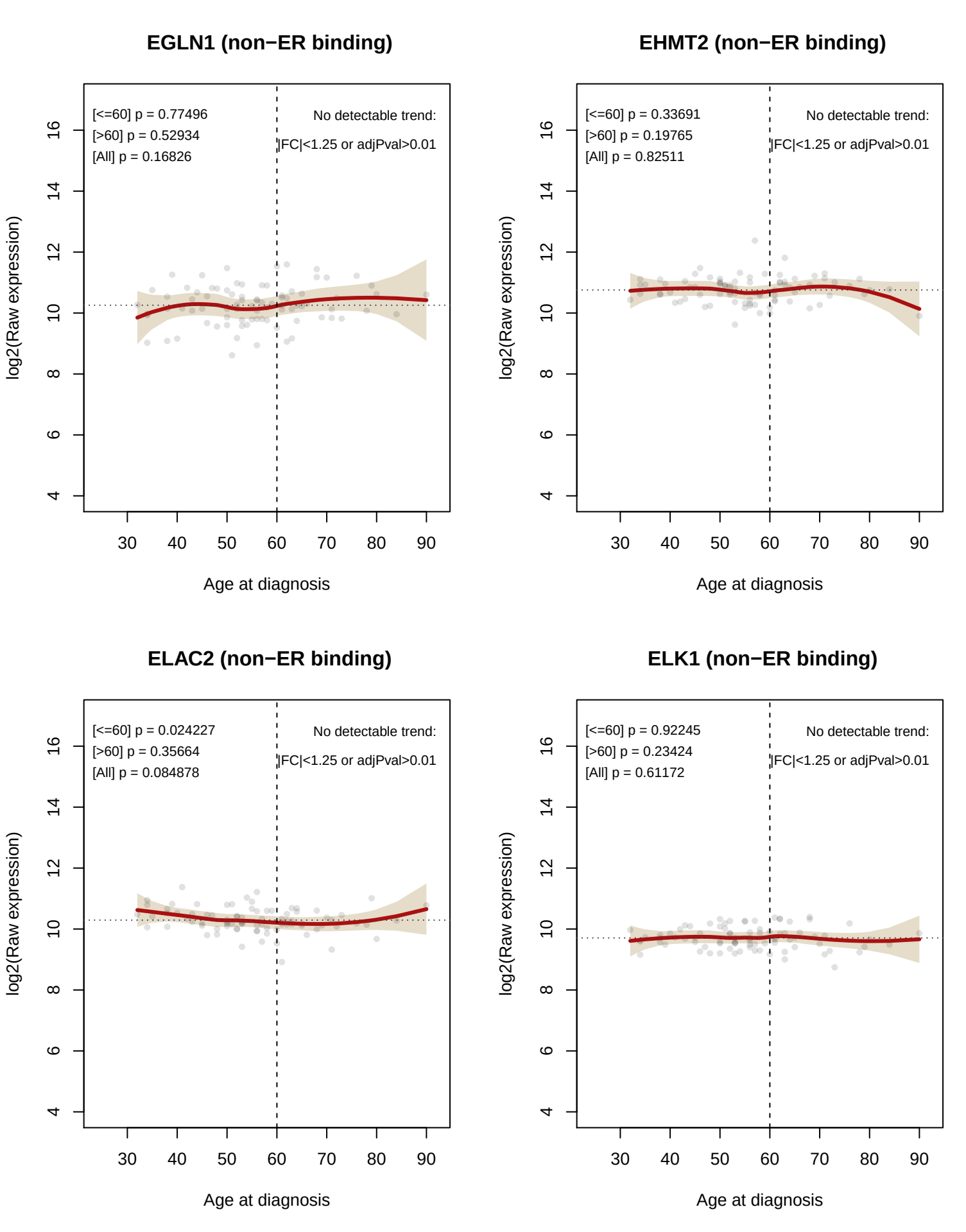

E2F3 (non−ER binding)
[<=60] p = 0.94257
[>60] p = 0.1405
[All] p = 0.60254
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

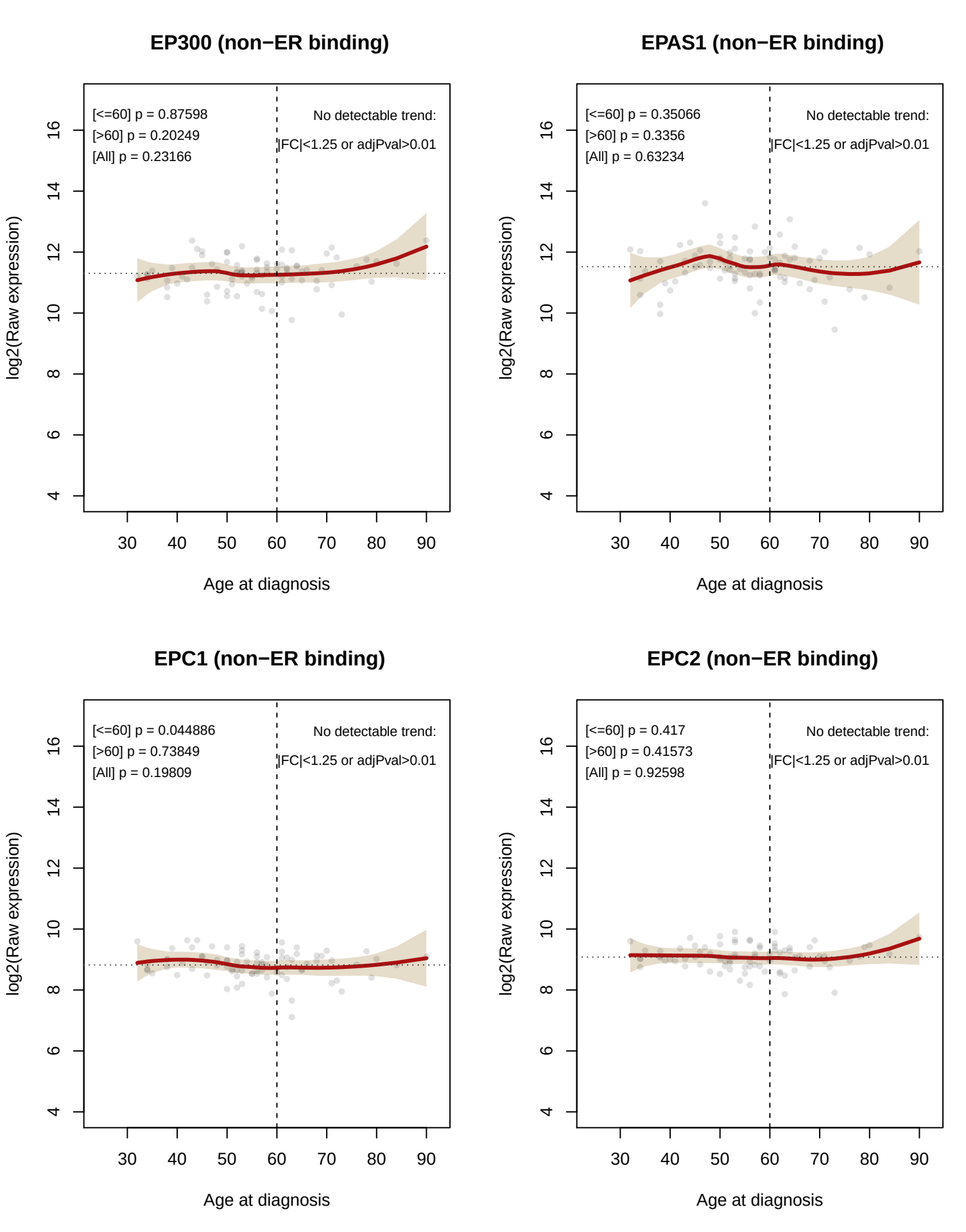

E2F4 (non−ER binding)
[<=60] p = 0.091218
[>60] p = 0.9269
[All] p = 0.059022
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

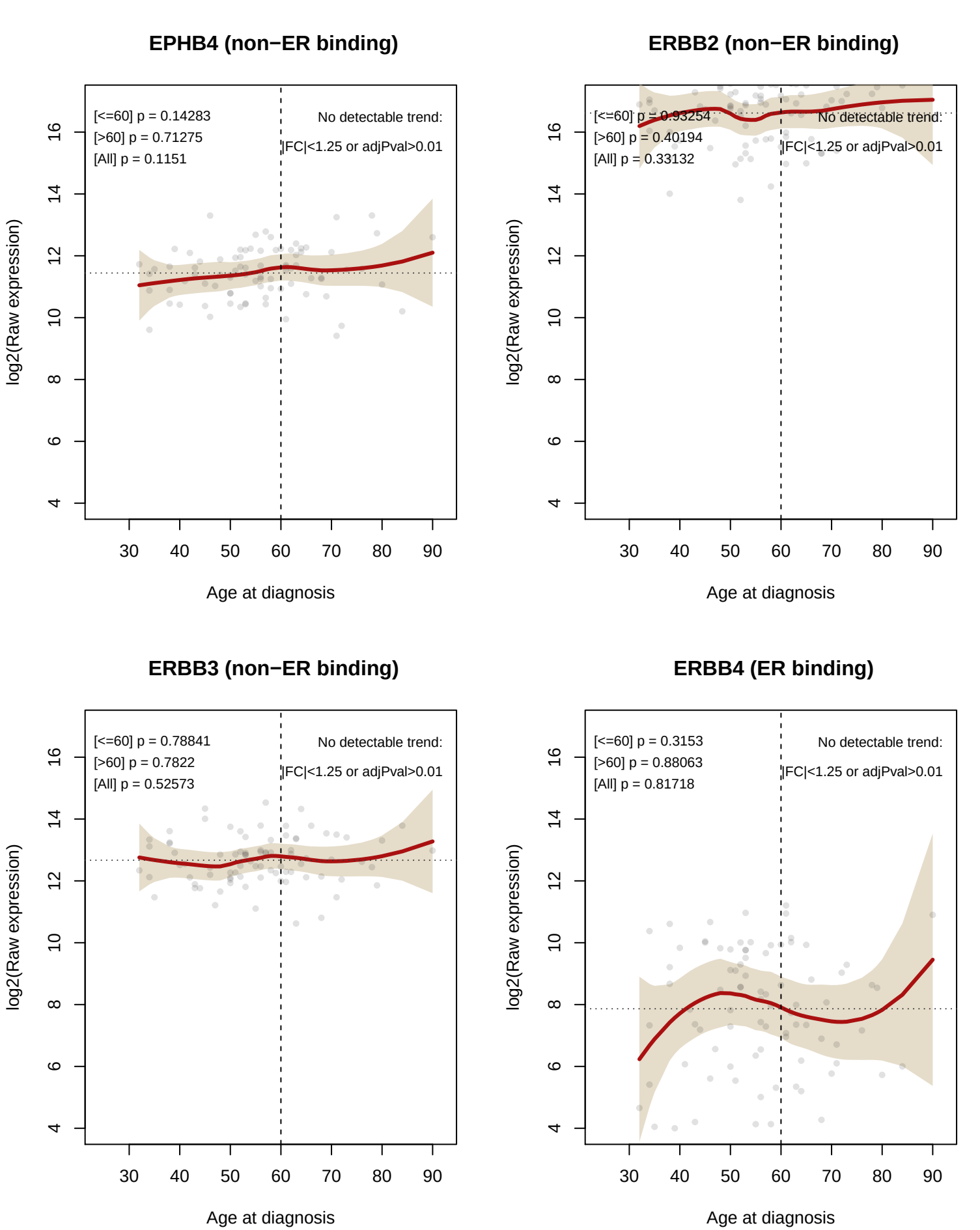

E2F5 (non−ER binding)
[<=60] p = 0.95747
[>60] p = 0.23938
[All] p = 0.79579
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

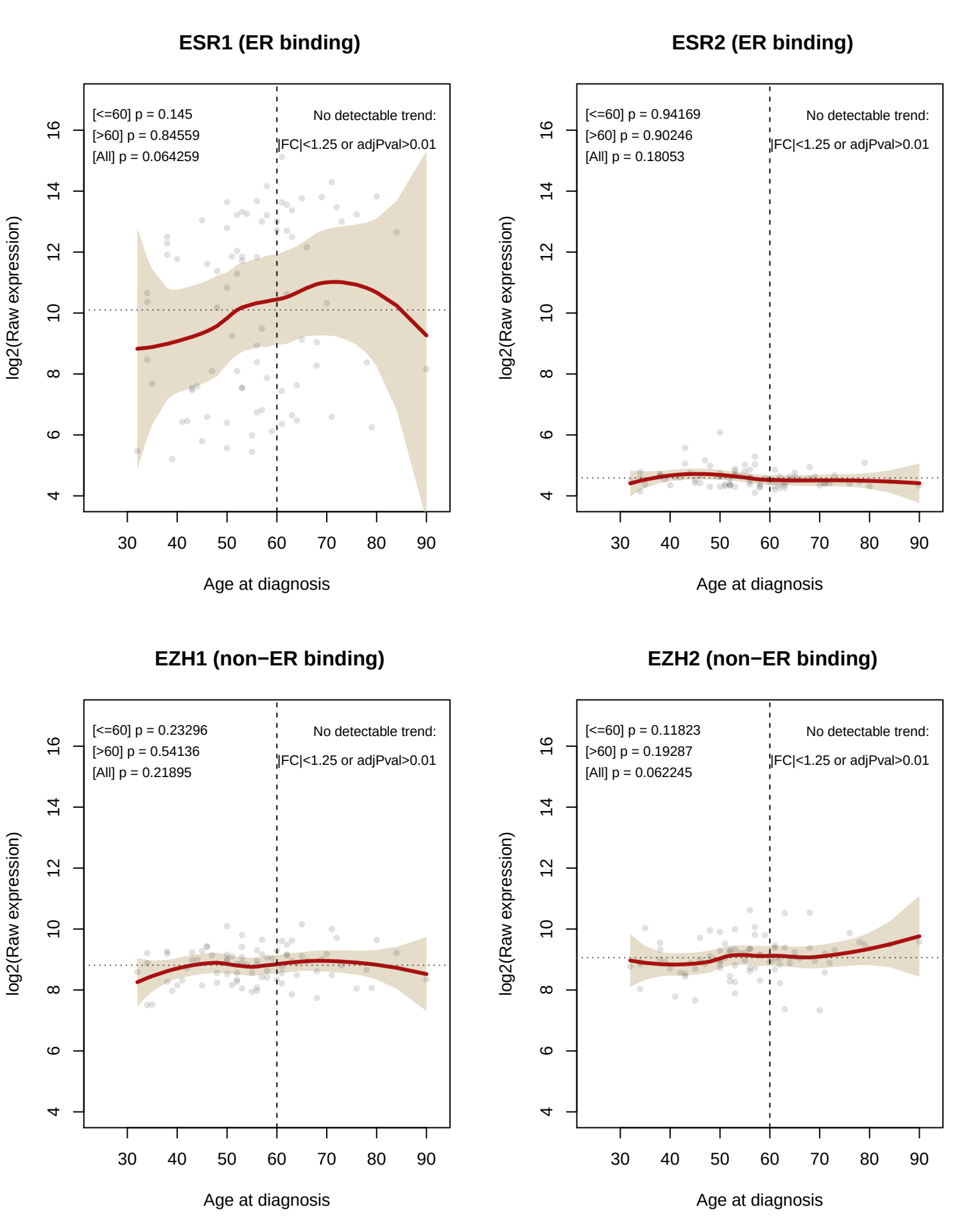

E2F6 (non−ER binding)
[<=60] p = 0.54547
[>60] p = 0.93737
[All] p = 0.90716
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

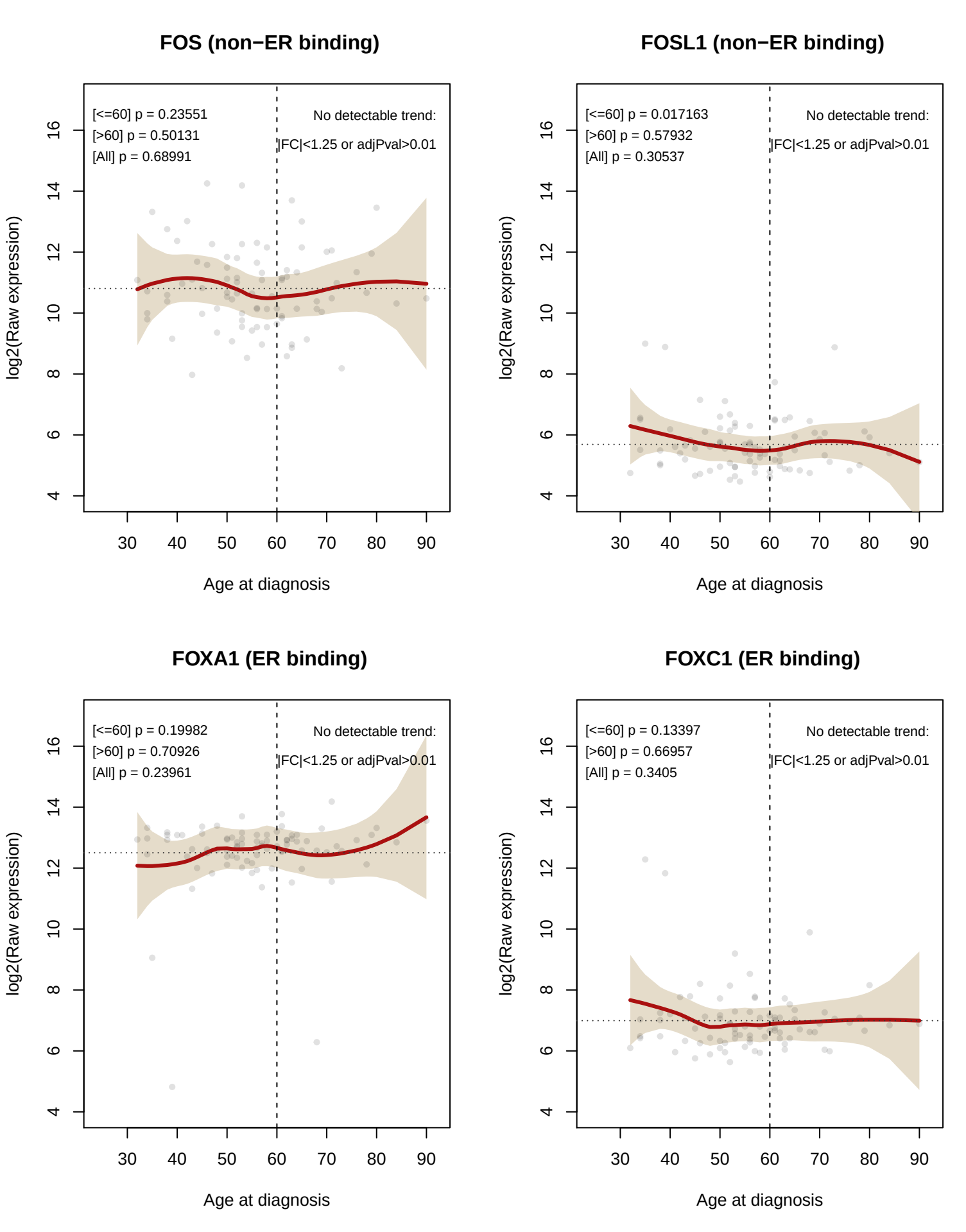

E2F7 (non−ER binding)
[<=60] p = 0.48227
[>60] p = 0.13415
[All] p = 0.084644
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
E2F8 (non−ER binding)
[<=60] p = 0.70578
[>60] p = 0.053955
[All] p = 0.62727
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
EED (non−ER binding)
[<=60] p = 0.54158
[>60] p = 0.40793
[All] p = 0.65939
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
EGFR (non−ER binding)
[<=60] p = 0.19439
[>60] p = 0.79432
[All] p = 0.2285
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

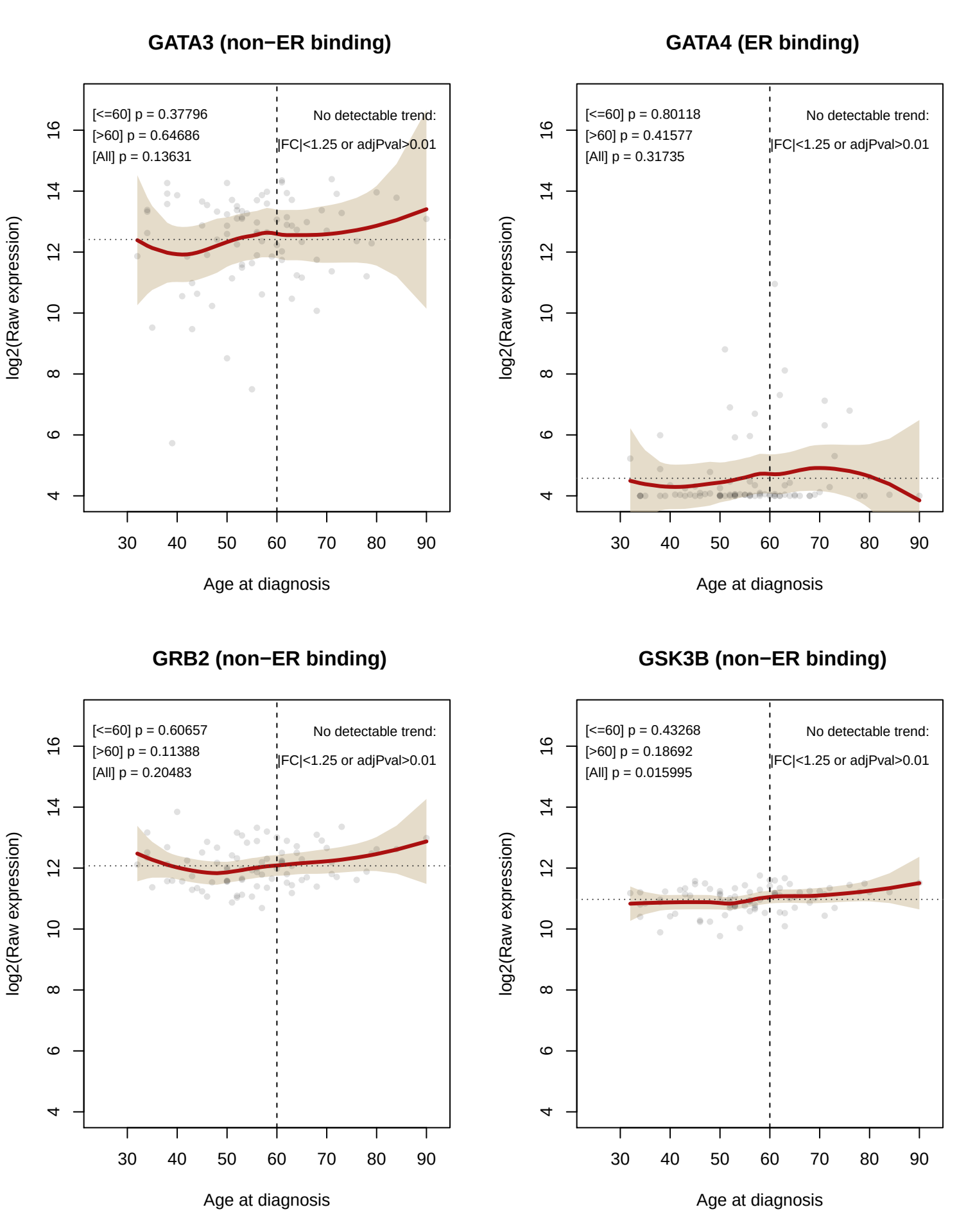

EGLN1 (non−ER binding)
[<=60] p = 0.77496
[>60] p = 0.52934
[All] p = 0.16826
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
EHMT2 (non−ER binding)
[<=60] p = 0.33691
[>60] p = 0.19765
[All] p = 0.82511
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
ELAC2 (non−ER binding)
[<=60] p = 0.024227
[>60] p = 0.35664
[All] p = 0.084878
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
ELK1 (non−ER binding)
[<=60] p = 0.92245
[>60] p = 0.23424
[All] p = 0.61172
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

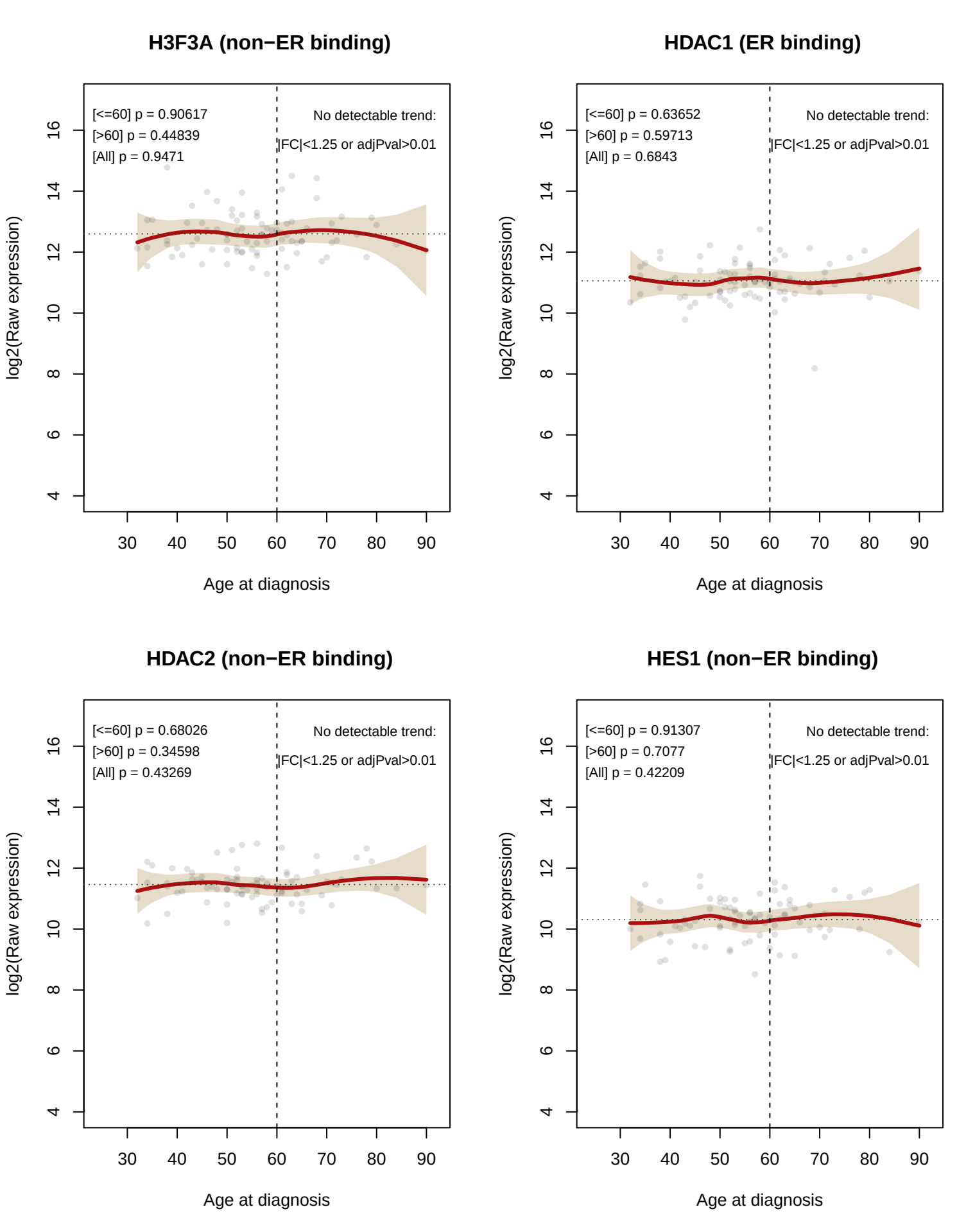

EP300 (non−ER binding)
[<=60] p = 0.87598
[>60] p = 0.20249
[All] p = 0.23166
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
EPAS1 (non−ER binding)
[<=60] p = 0.35066
[>60] p = 0.3356
[All] p = 0.63234
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
EPC1 (non−ER binding)
[<=60] p = 0.044886
[>60] p = 0.73849
[All] p = 0.19809
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
EPC2 (non−ER binding)
[<=60] p = 0.417
[>60] p = 0.41573
[All] p = 0.92598
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


EPHB4 (non−ER binding)
[<=60] p = 0.14283
[>60] p = 0.71275
[All] p = 0.1151
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
ERBB2 (non−ER binding)
[<=60] p = 0.93254
[>60] p = 0.40194
[All] p = 0.33132
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
ERBB3 (non−ER binding)
[<=60] p = 0.78841
[>60] p = 0.7822
[All] p = 0.52573
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
ERBB4 (ER binding)
[<=60] p = 0.3153
[>60] p = 0.88063
[All] p = 0.81718
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

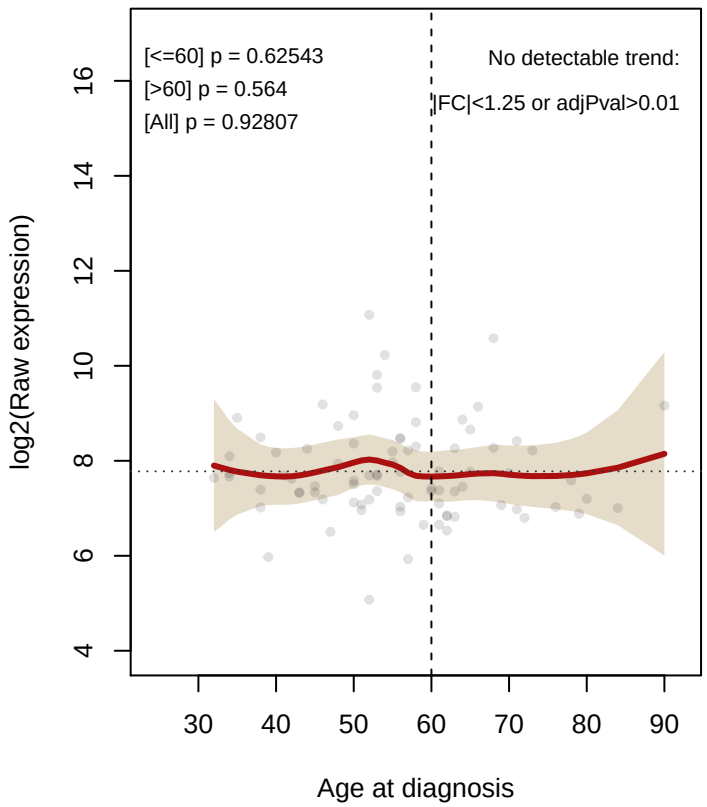

ESR1 (ER binding)
[<=60] p = 0.145
[>60] p = 0.84559
[All] p = 0.064259
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
ESR2 (ER binding)
[<=60] p = 0.94169
[>60] p = 0.90246
[All] p = 0.18053
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
EZH1 (non−ER binding)
[<=60] p = 0.23296
[>60] p = 0.54136
[All] p = 0.21895
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
EZH2 (non−ER binding)
[<=60] p = 0.11823
[>60] p = 0.19287
[All] p = 0.062245
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


FOS (non−ER binding)
[<=60] p = 0.23551
[>60] p = 0.50131
[All] p = 0.68991
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
FOSL1 (non−ER binding)
[<=60] p = 0.017163
[>60] p = 0.57932
[All] p = 0.30537
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
FOXA1 (ER binding)
[<=60] p = 0.19982
[>60] p = 0.70926
[All] p = 0.23961
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
FOXC1 (ER binding)
[<=60] p = 0.13397
[>60] p = 0.66957
[All] p = 0.3405
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

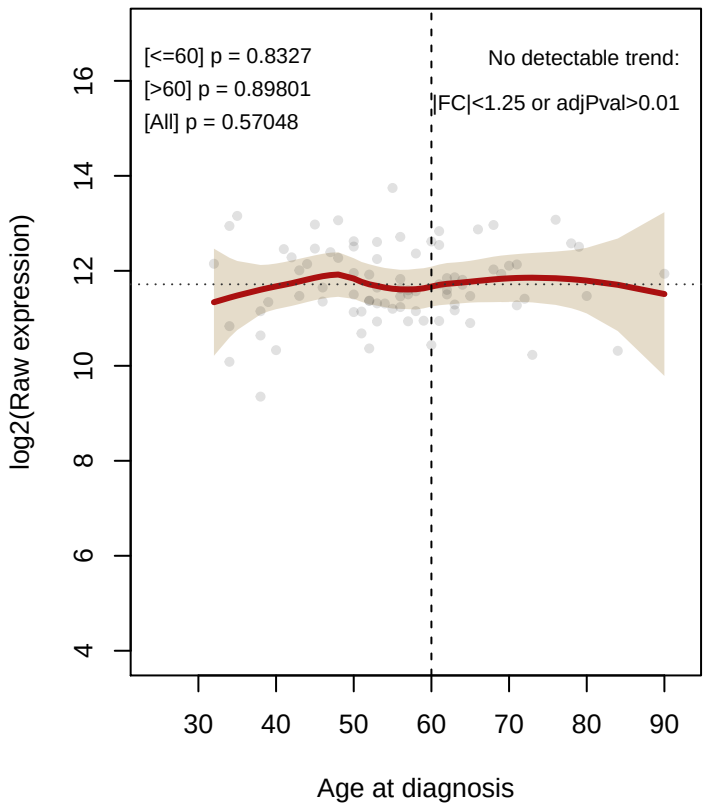

GATA3 (non−ER binding)
[<=60] p = 0.37796
[>60] p = 0.64686
[All] p = 0.13631
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
GATA4 (ER binding)
[<=60] p = 0.80118
[>60] p = 0.41577
[All] p = 0.31735
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
GRB2 (non−ER binding)
[<=60] p = 0.60657
[>60] p = 0.11388
[All] p = 0.20483
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
GSK3B (non−ER binding)
[<=60] p = 0.43268
[>60] p = 0.18692
[All] p = 0.015995
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


H3F3A (non−ER binding)
[<=60] p = 0.90617
[>60] p = 0.44839
[All] p = 0.9471
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
HDAC1 (ER binding)
[<=60] p = 0.63652
[>60] p = 0.59713
[All] p = 0.6843
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
HDAC2 (non−ER binding)
[<=60] p = 0.68026
[>60] p = 0.34598
[All] p = 0.43269
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
HES1 (non−ER binding)
[<=60] p = 0.91307
[>60] p = 0.7077
[All] p = 0.42209
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

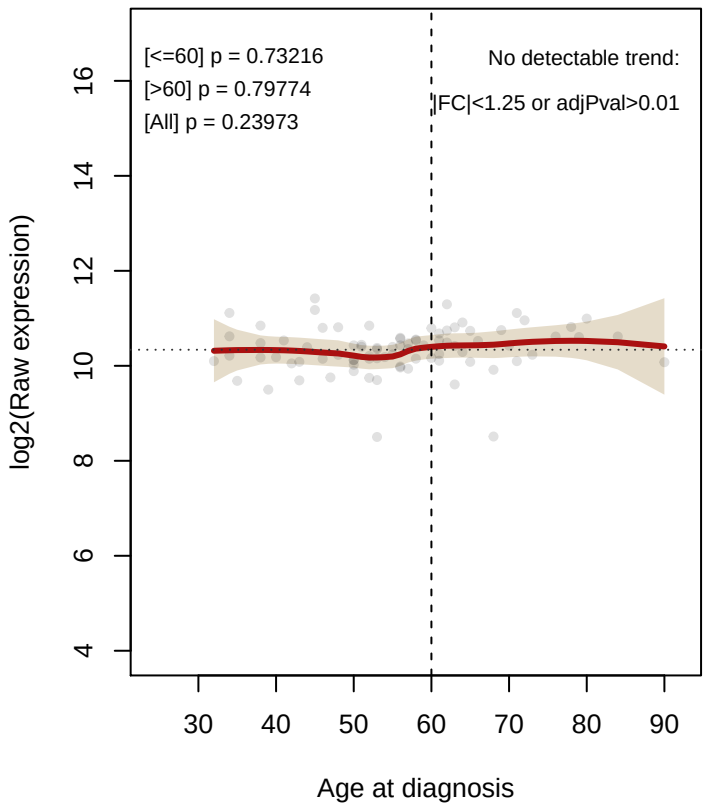
HEY1 (non−ER binding)



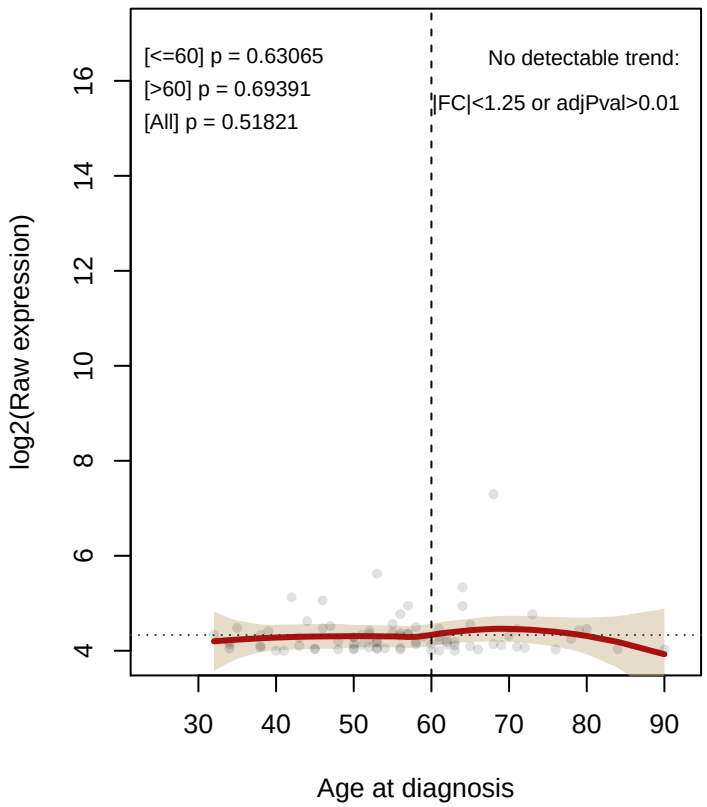
HIF1A (non−ER binding)



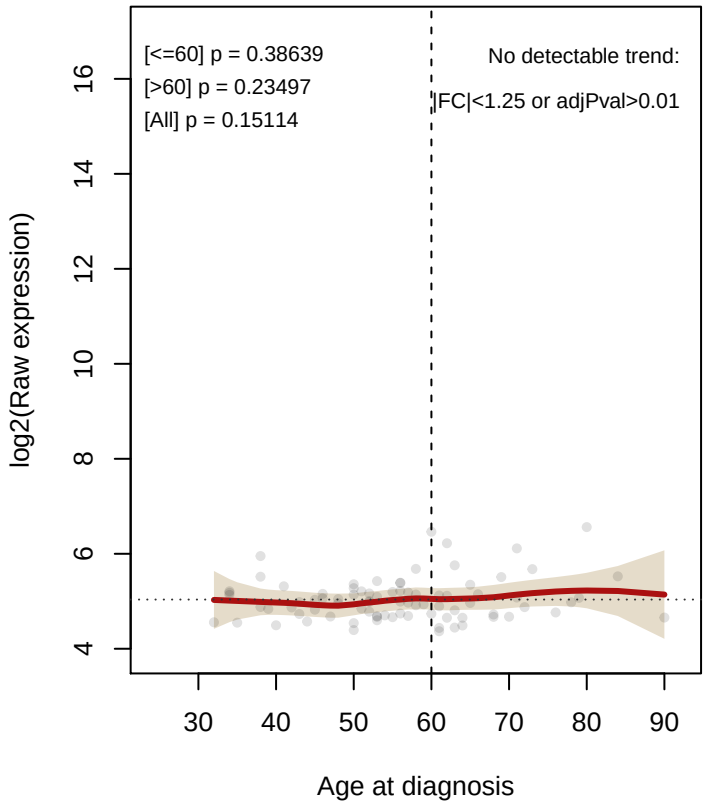
HIF1AN (non−ER binding)



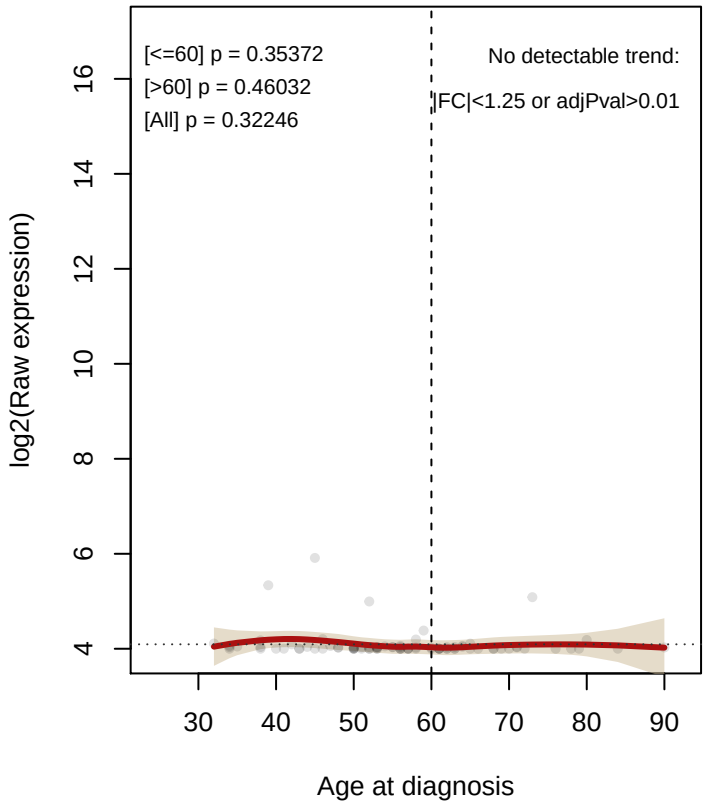
HIF3A (non−ER binding)



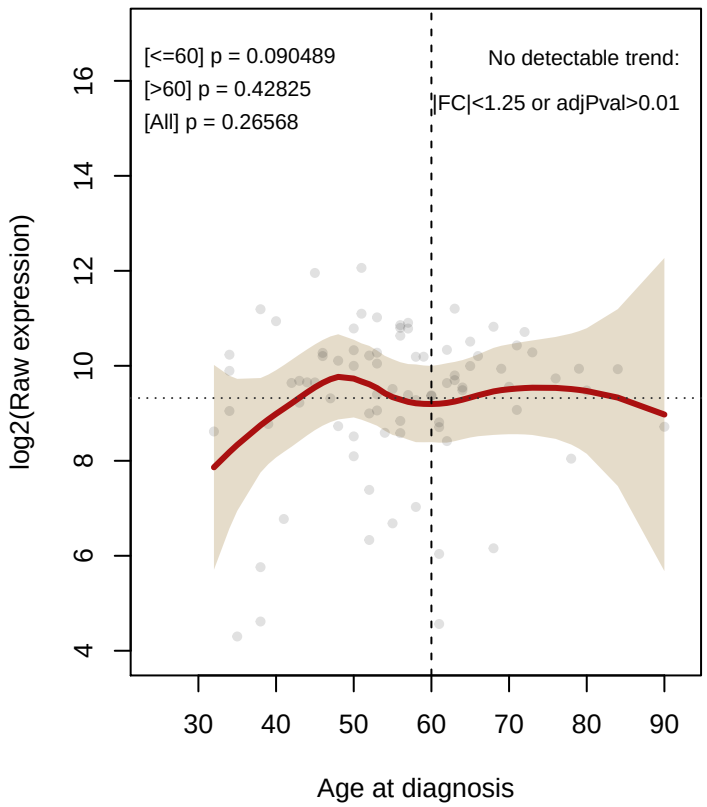
HNF1A (non−ER binding)



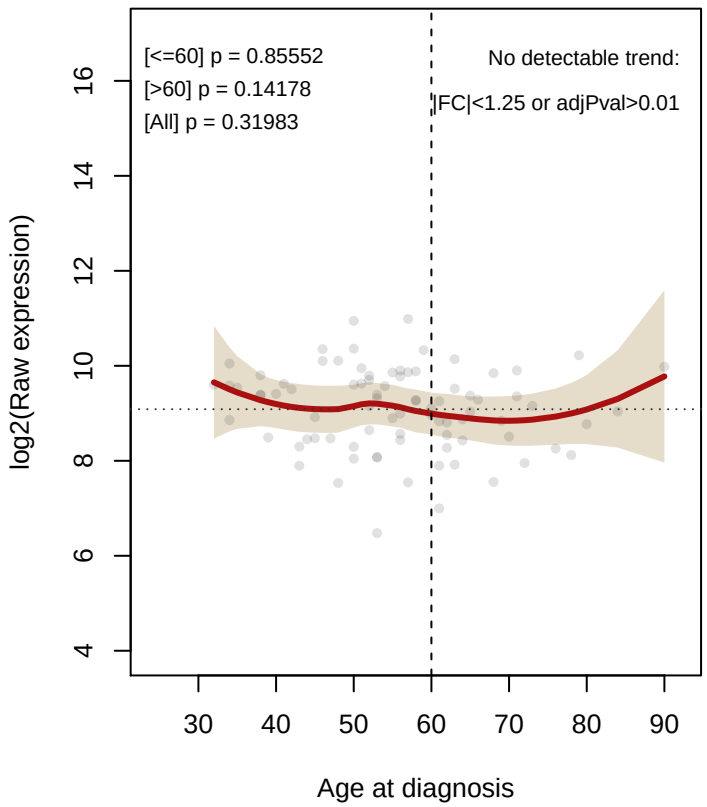
HNF1B (non−ER binding)

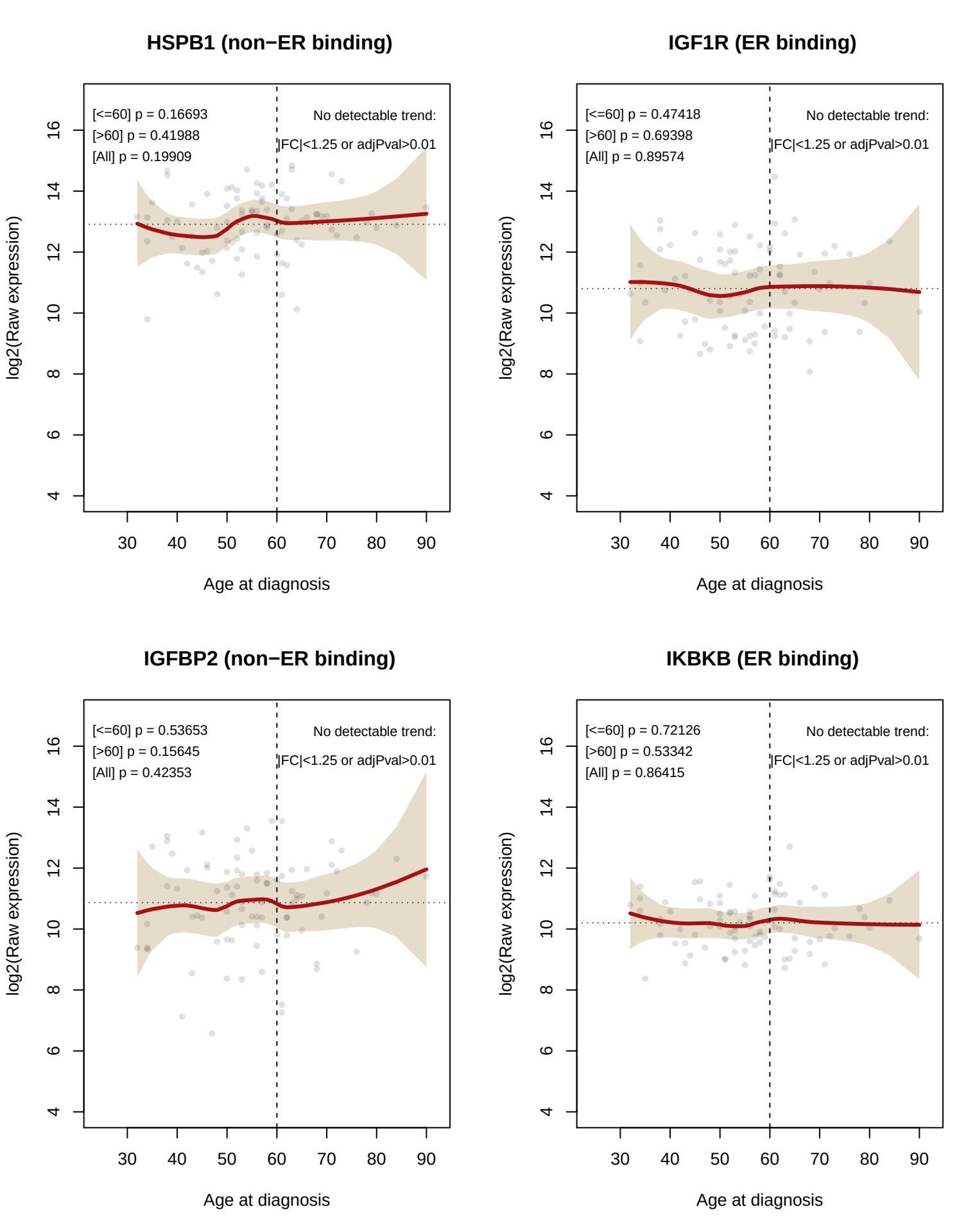


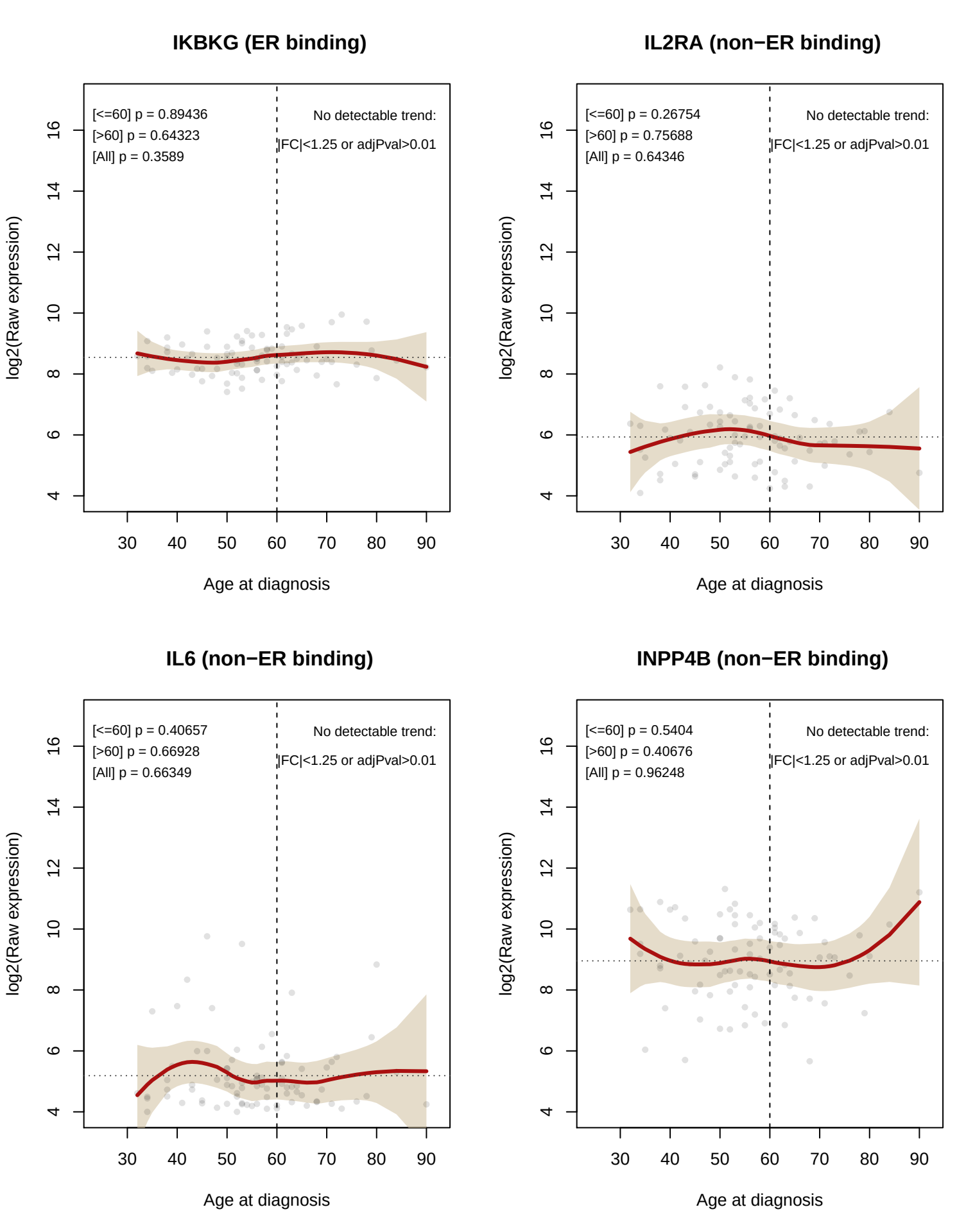
HOXC10 (non−ER binding)



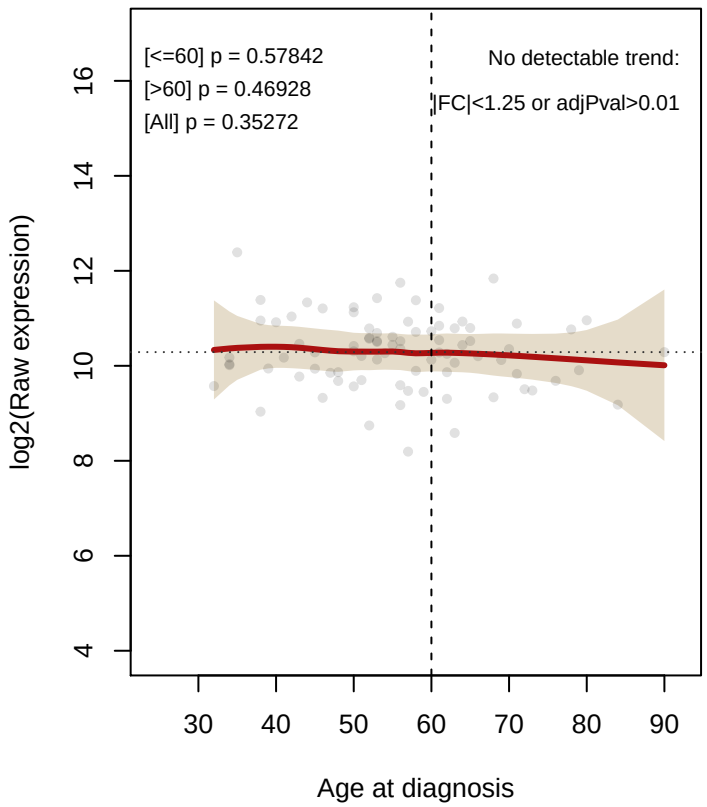
HRAS (non−ER binding)



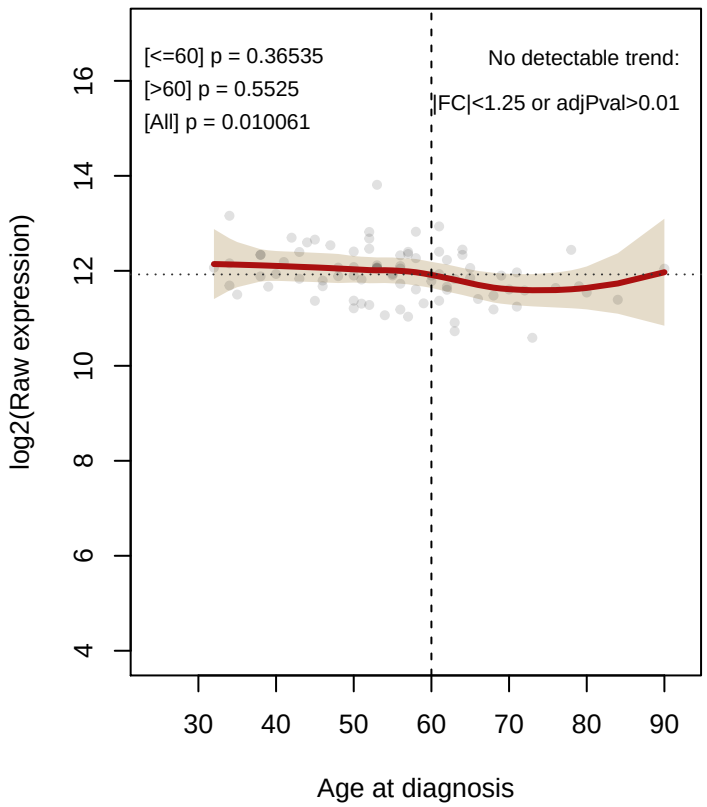

HSPB1 (non−ER binding)
[<=60] p = 0.16693
[>60] p = 0.41988
[All] p = 0.19909
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
IGF1R (ER binding)
[<=60] p = 0.47418
[>60] p = 0.69398
[All] p = 0.89574
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
IGFBP2 (non−ER binding)
[<=60] p = 0.53653
[>60] p = 0.15645
[All] p = 0.42353
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
IKBKB (ER binding)
[<=60] p = 0.72126
[>60] p = 0.53342
[All] p = 0.86415
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


IKBKG (ER binding)
[<=60] p = 0.89436
[>60] p = 0.64323
[All] p = 0.3589
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
IL2RA (non−ER binding)
[<=60] p = 0.26754
[>60] p = 0.75688
[All] p = 0.64346
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
IL6 (non−ER binding)
[<=60] p = 0.40657
[>60] p = 0.66928
[All] p = 0.66349
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
INPP4B (non−ER binding)
[<=60] p = 0.5404
[>60] p = 0.40676
[All] p = 0.96248
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

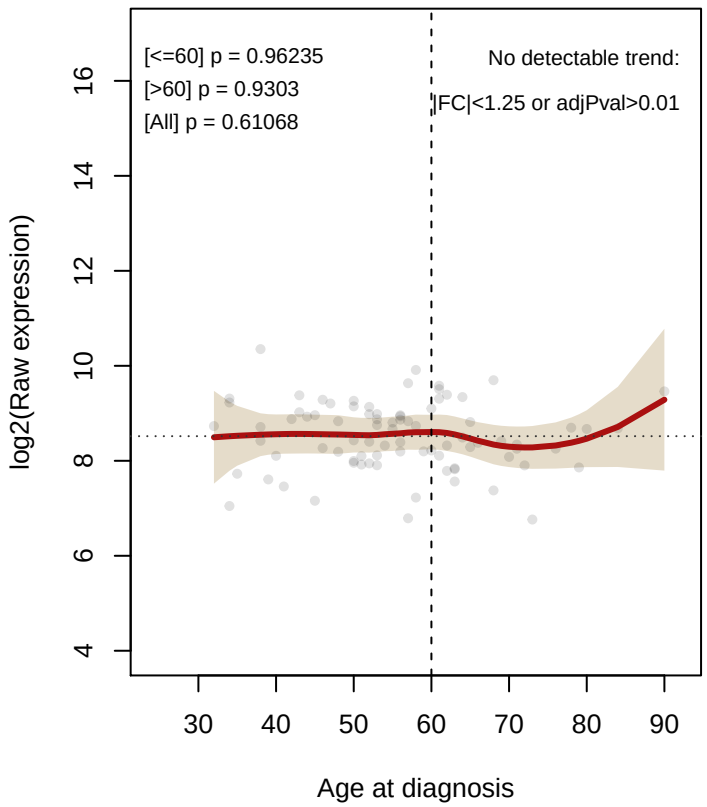
JAG1 (ER binding)



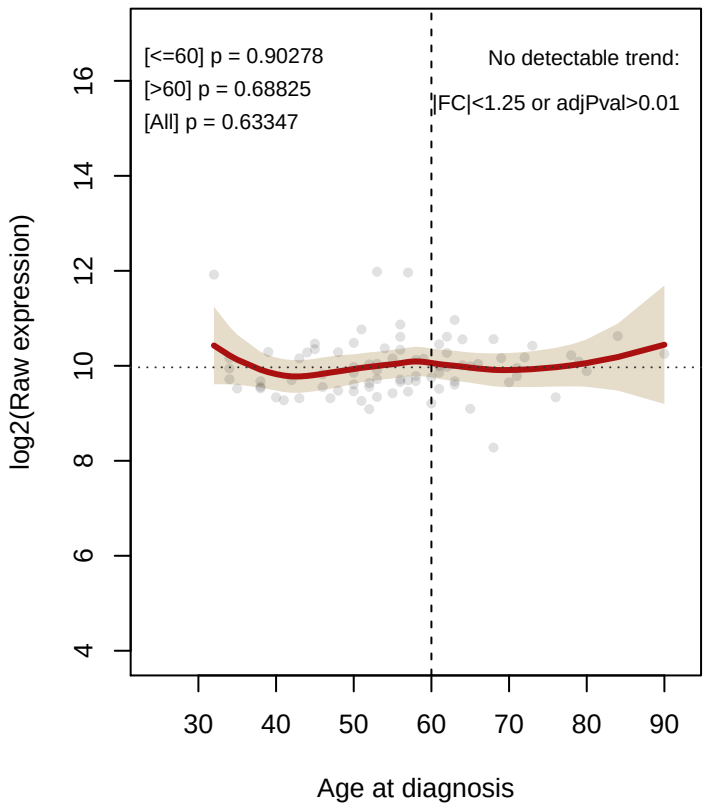
JAK1 (ER binding)

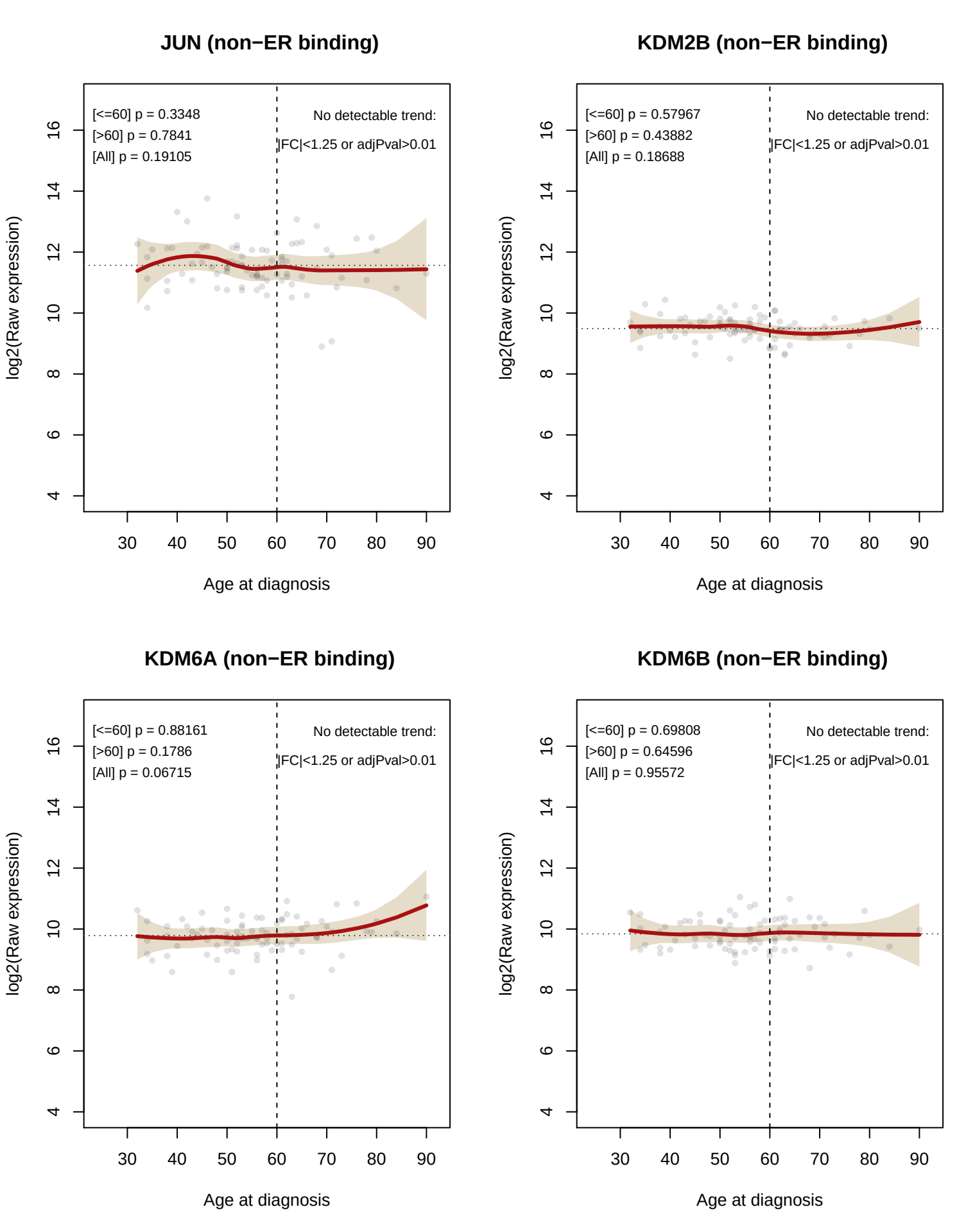


JAK2 (non−ER binding)

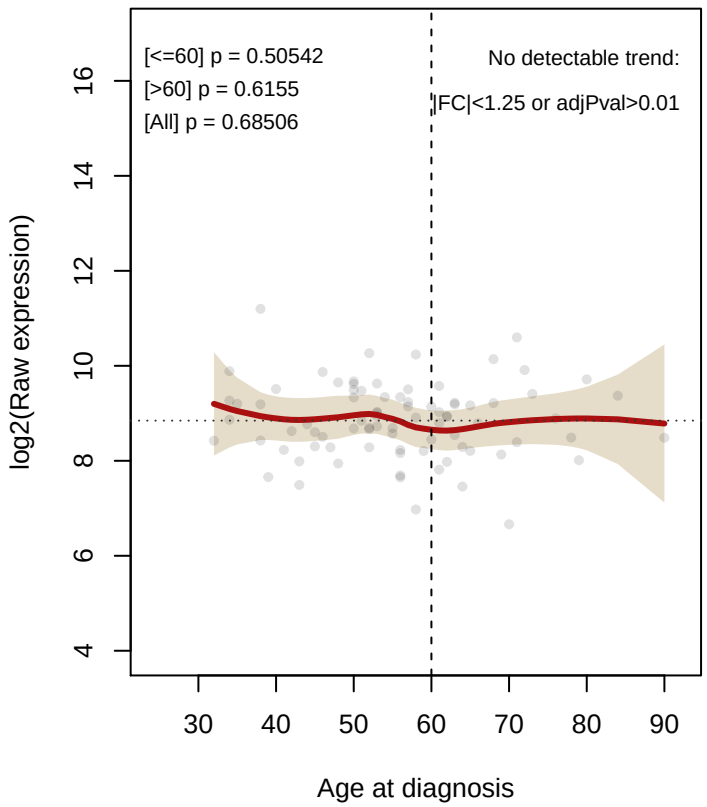


JARID2 (ER binding)

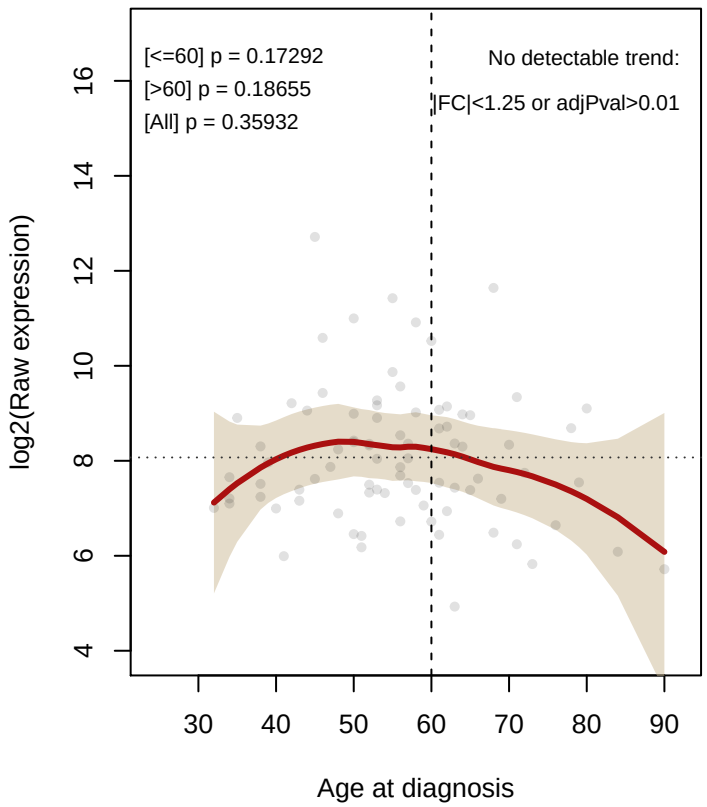



JUN (non−ER binding)
[<=60] p = 0.3348
[>60] p = 0.7841
[All] p = 0.19105
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
KDM2B (non−ER binding)
[<=60] p = 0.57967
[>60] p = 0.43882
[All] p = 0.18688
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
KDM6A (non−ER binding)
[<=60] p = 0.88161
[>60] p = 0.1786
[All] p = 0.06715
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
KDM6B (non−ER binding)
[<=60] p = 0.69808
[>60] p = 0.64596
[All] p = 0.95572
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

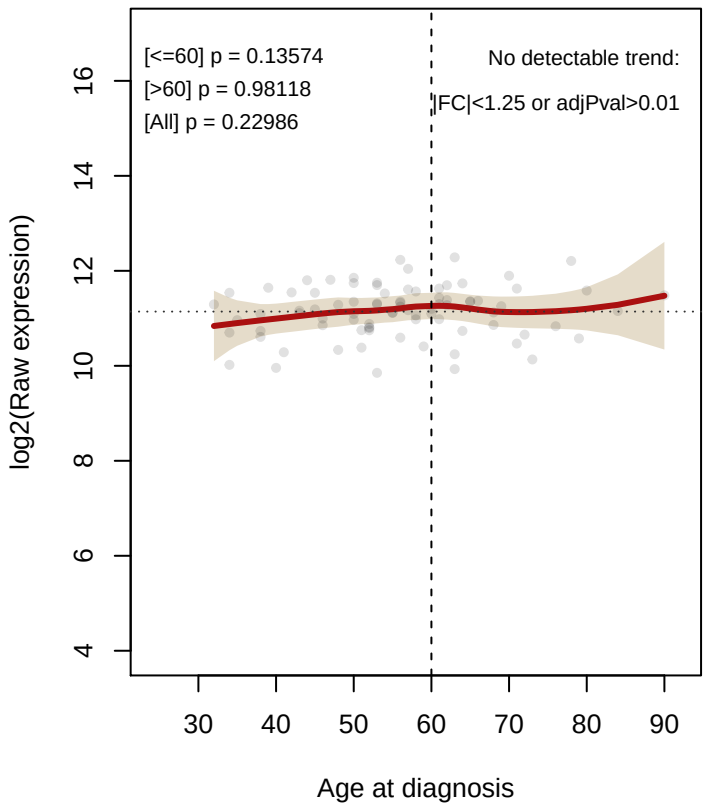
KIAA0101 (non−ER binding)



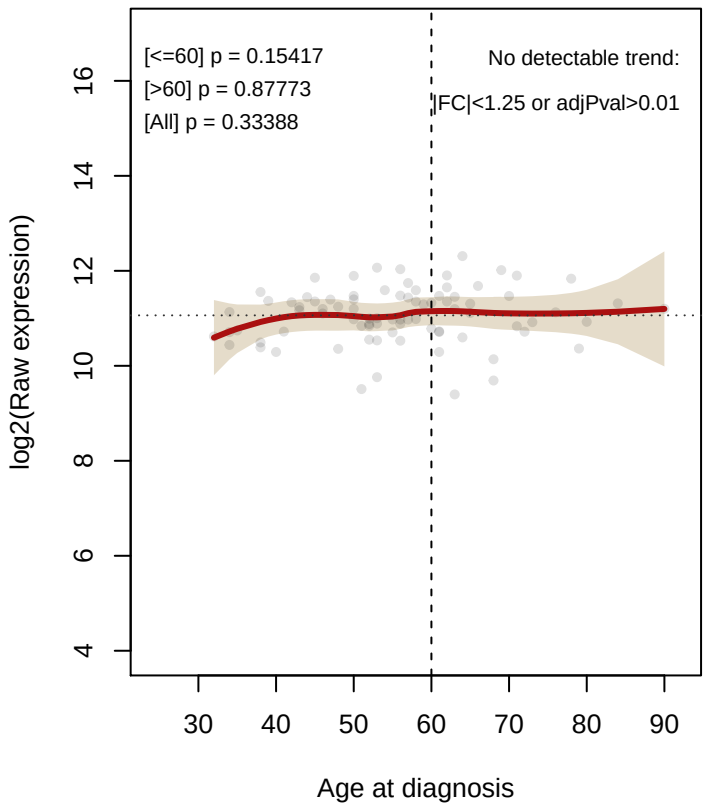
KIT (non−ER binding)



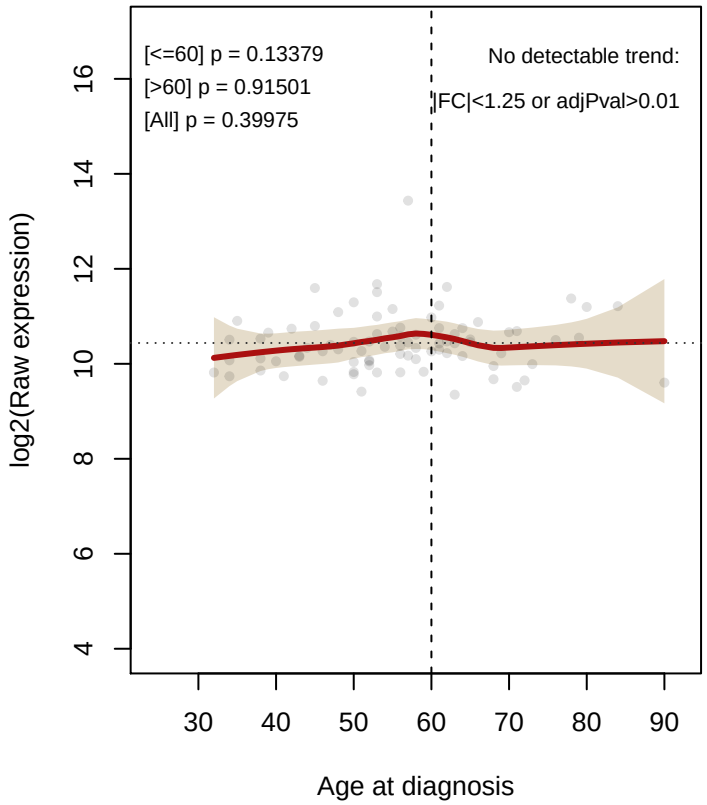
KMT2C (non−ER binding)



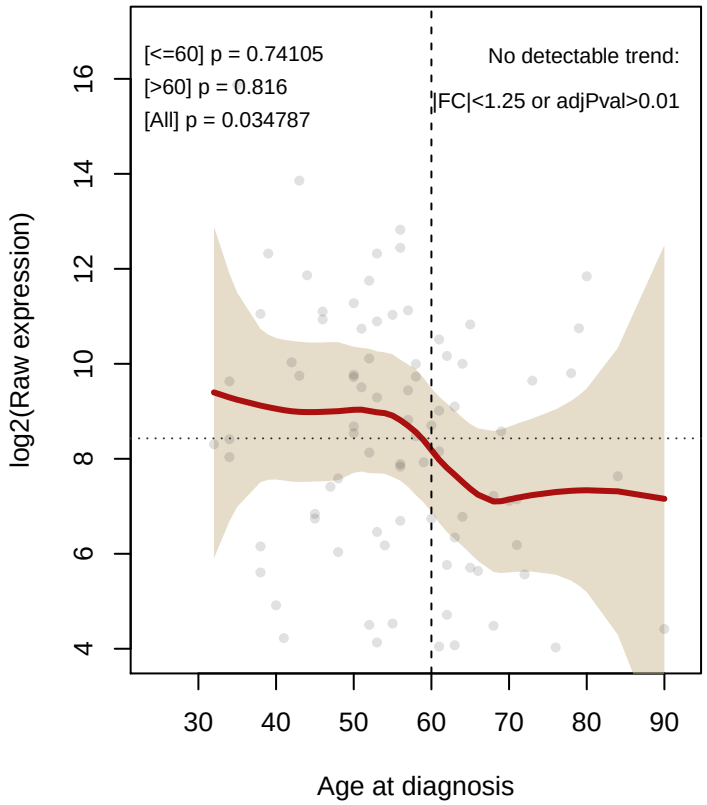
KMT2D (non−ER binding)



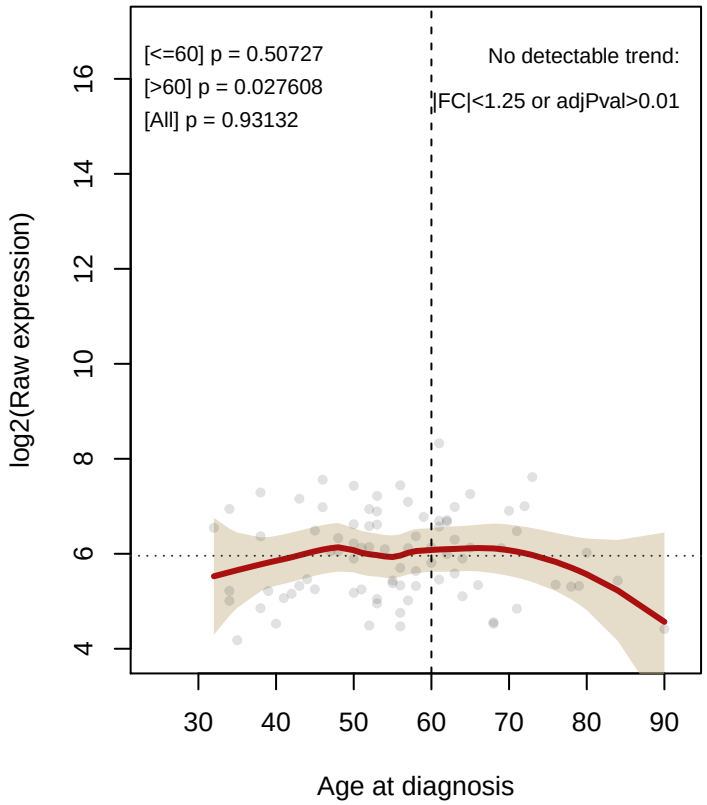
KRAS (non−ER binding)



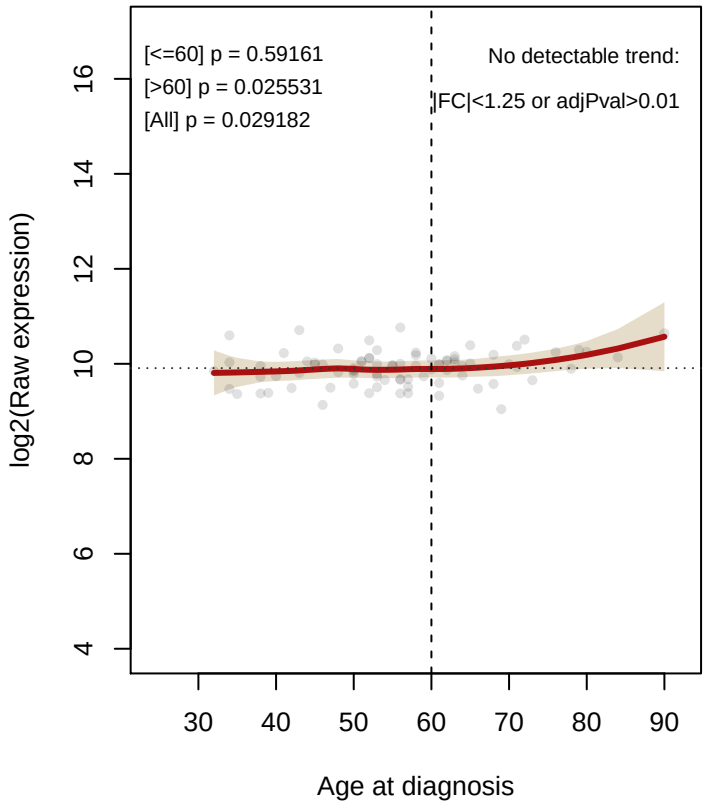
KRT5 (non−ER binding)



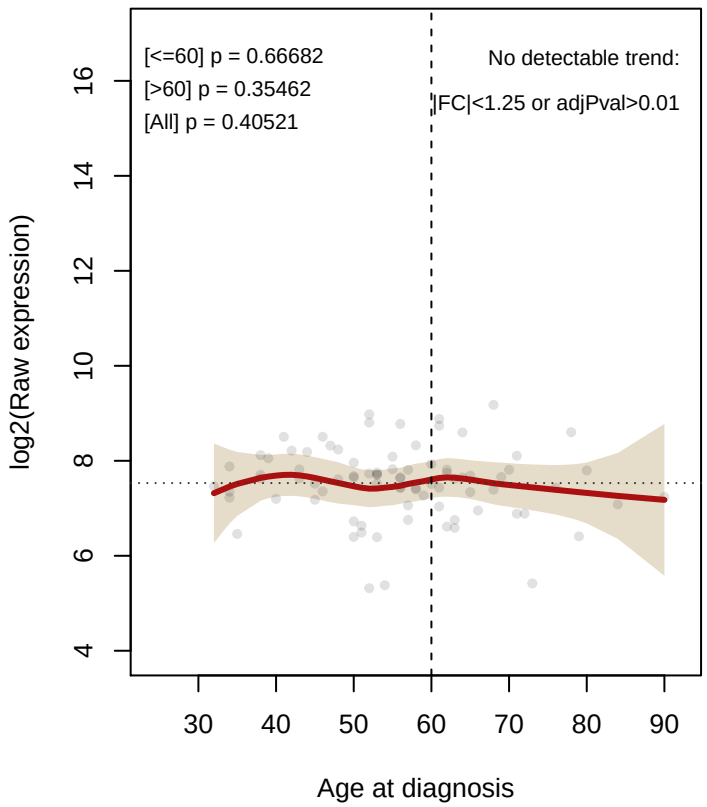
L3MBTL1 (non−ER binding)



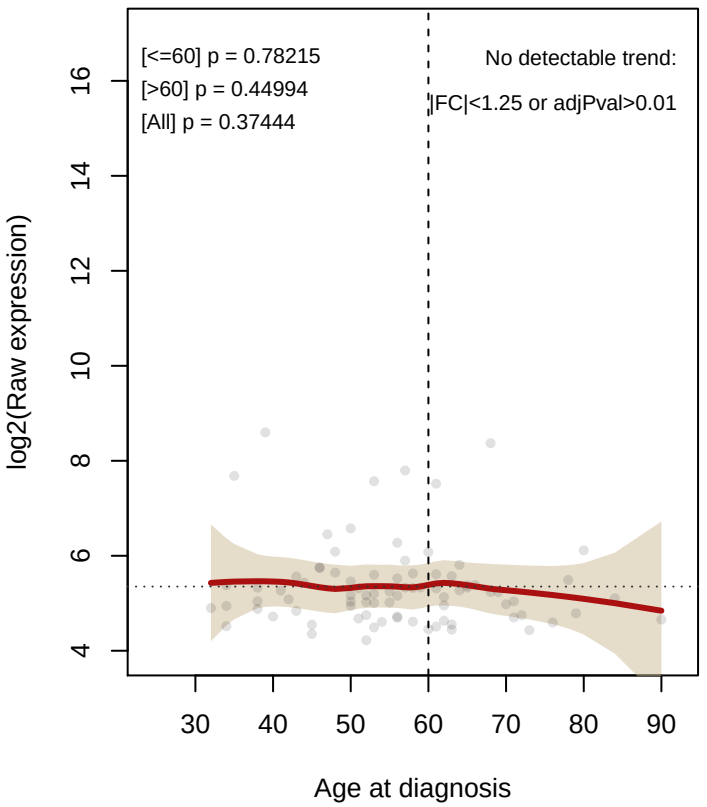
L3MBTL2 (non−ER binding)



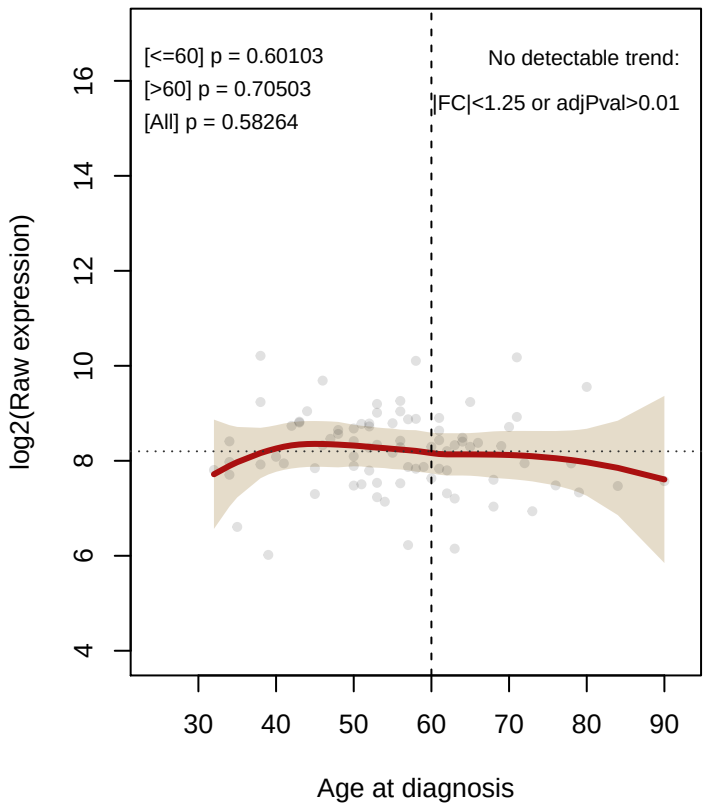
L3MBTL3 (ER binding)



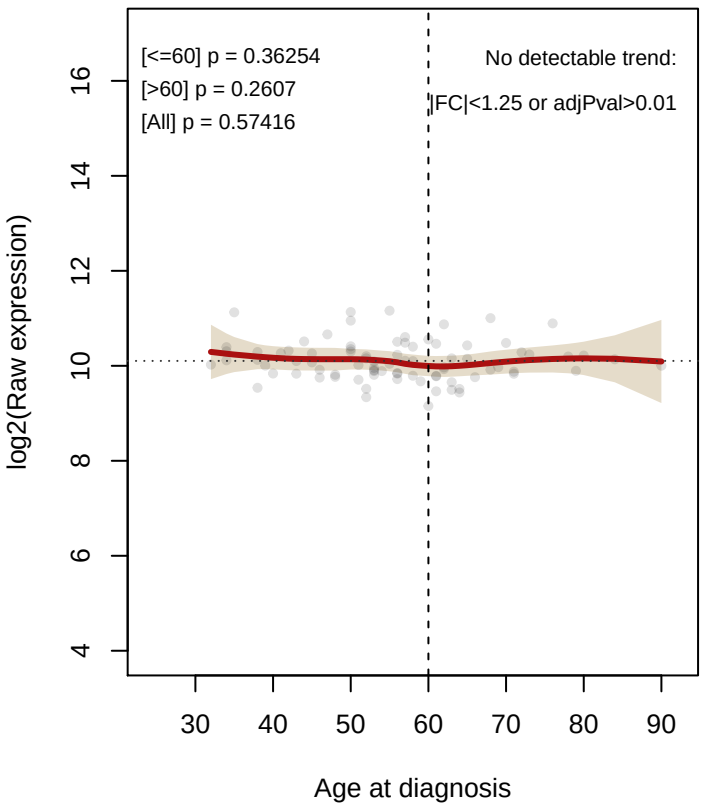
L3MBTL4 (non−ER binding)



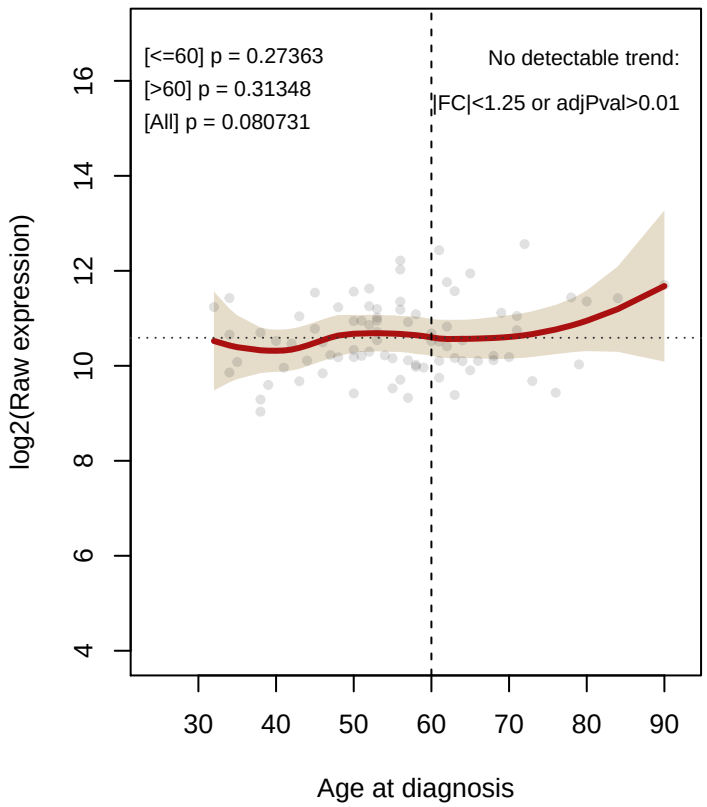
LEF1 (non−ER binding)



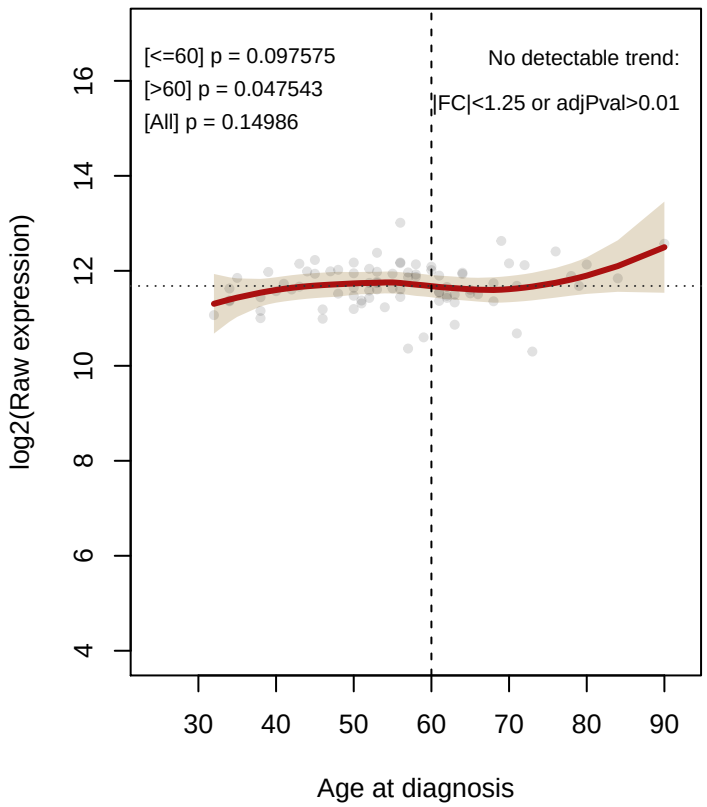
MAP2K1 (non−ER binding)



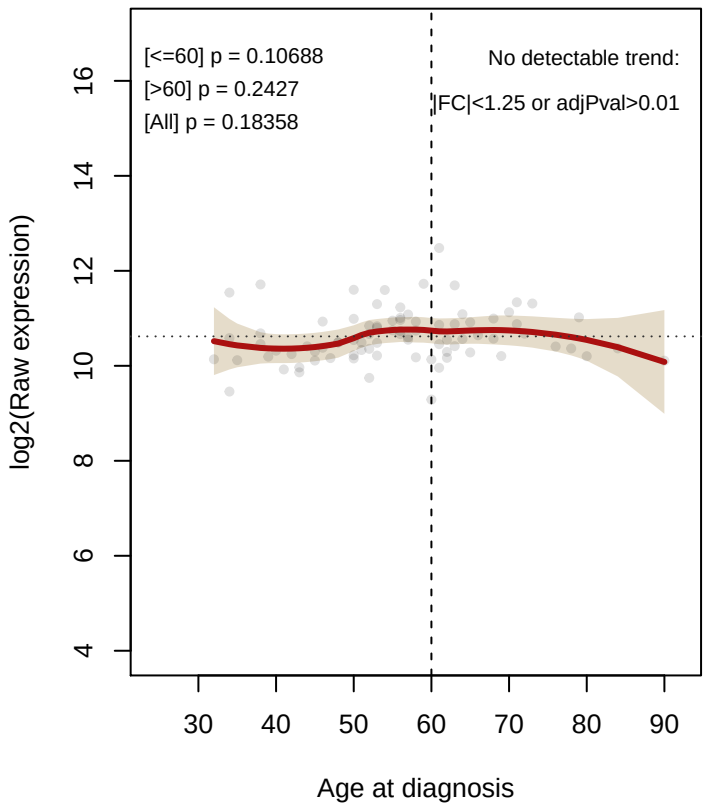
MAP3K1 (non−ER binding)



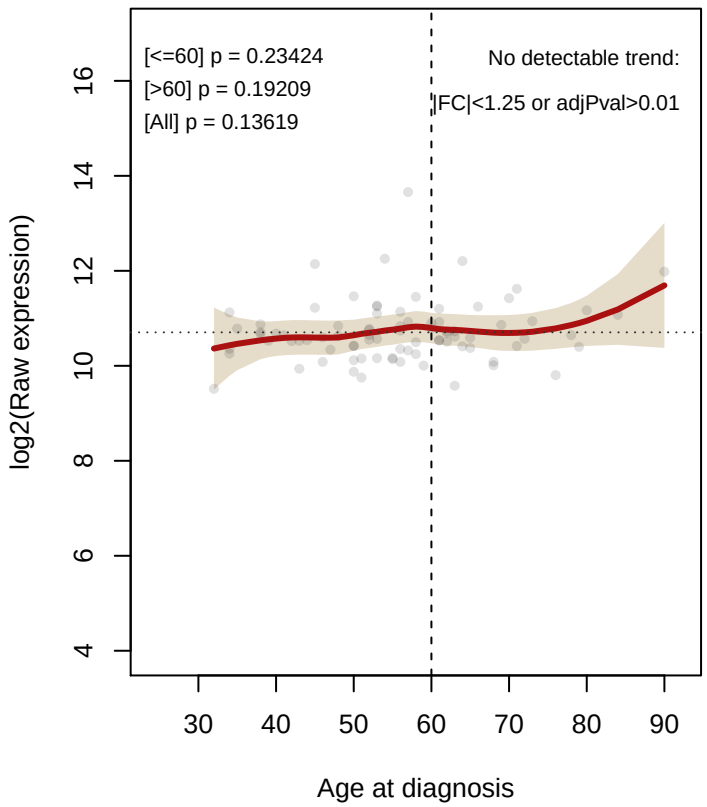
MAPK1 (non−ER binding)

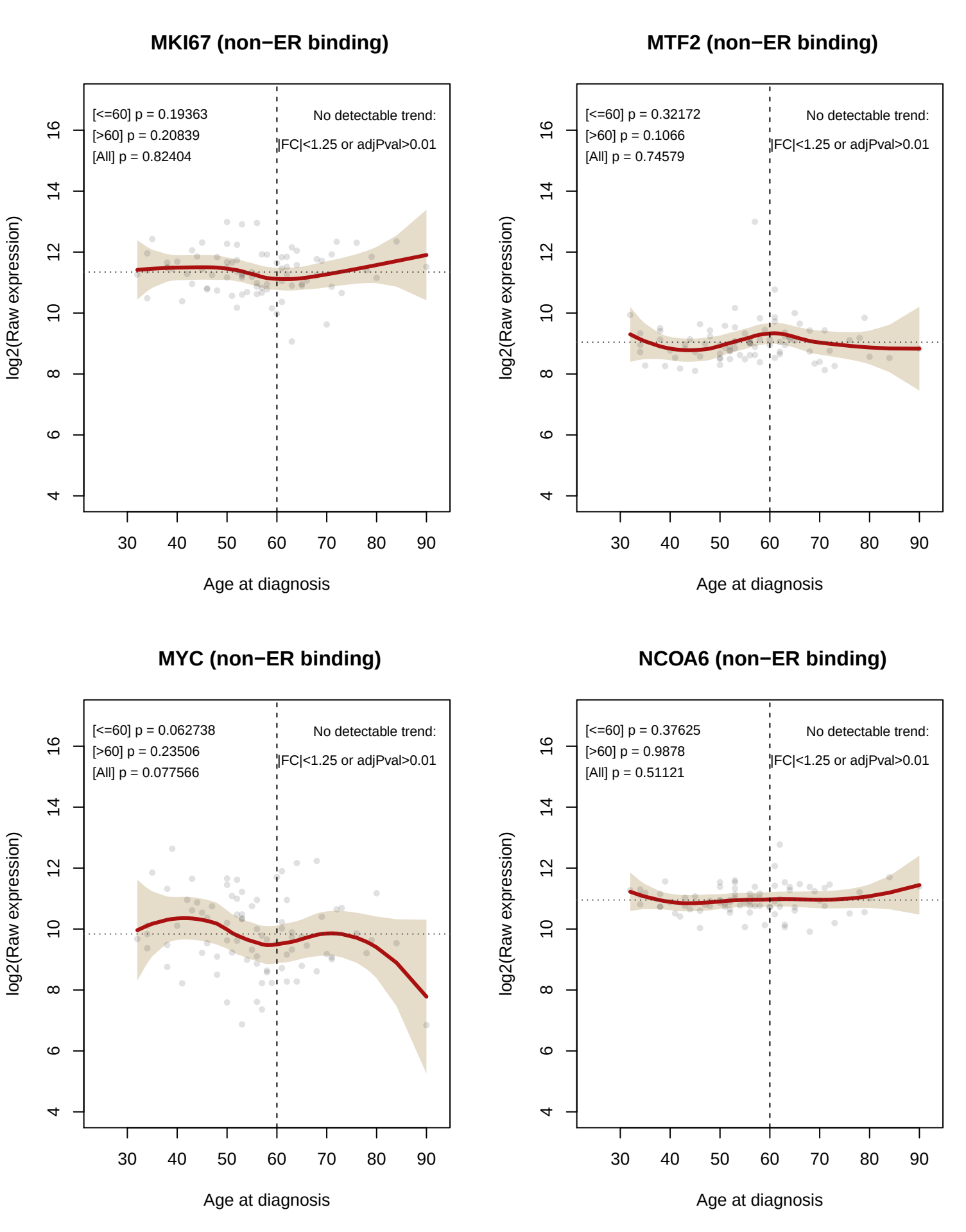


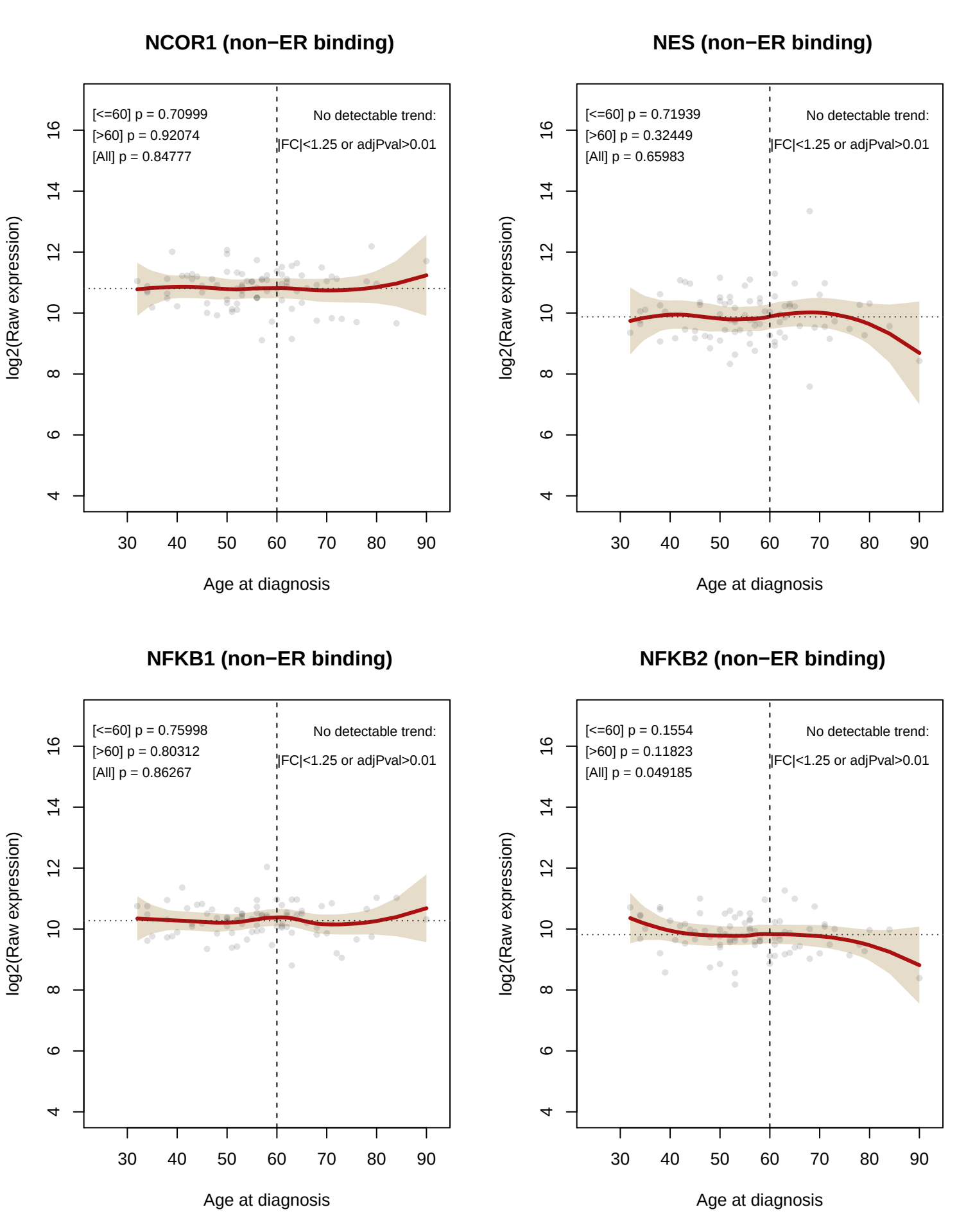
MAPK3 (non−ER binding)

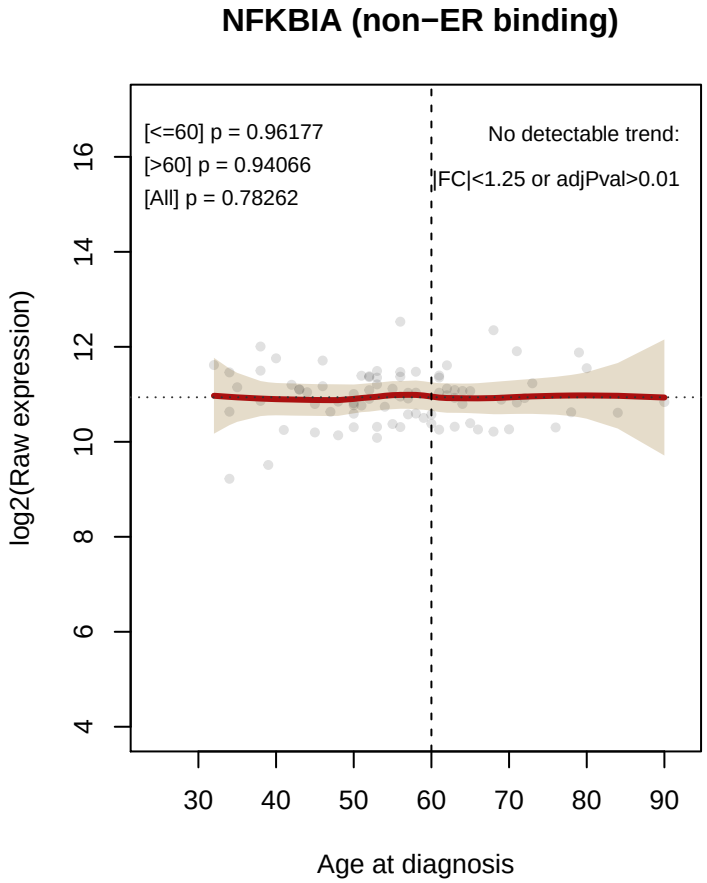


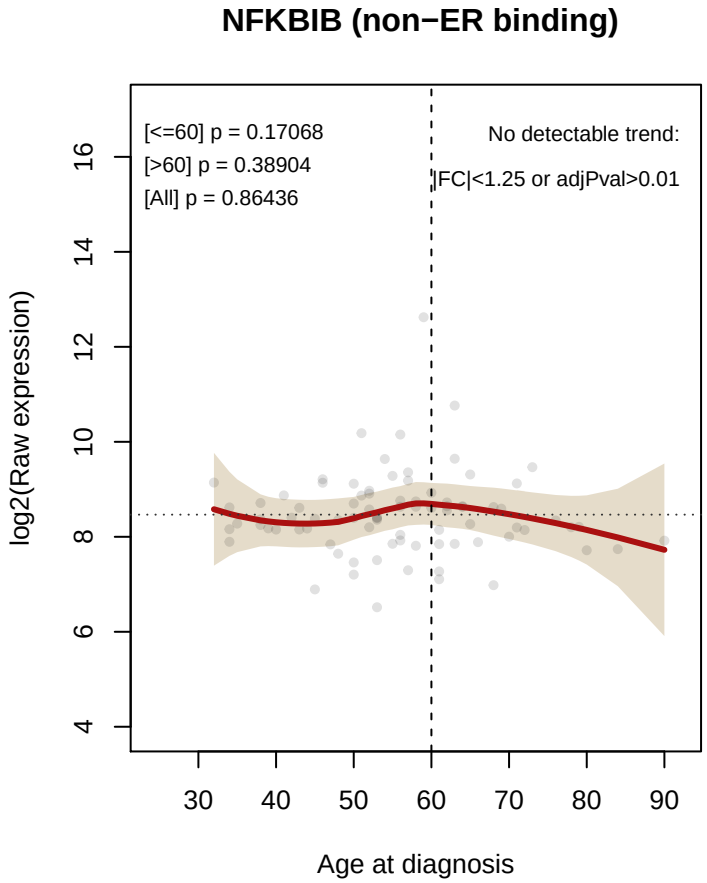
MDM2 (non−ER binding)

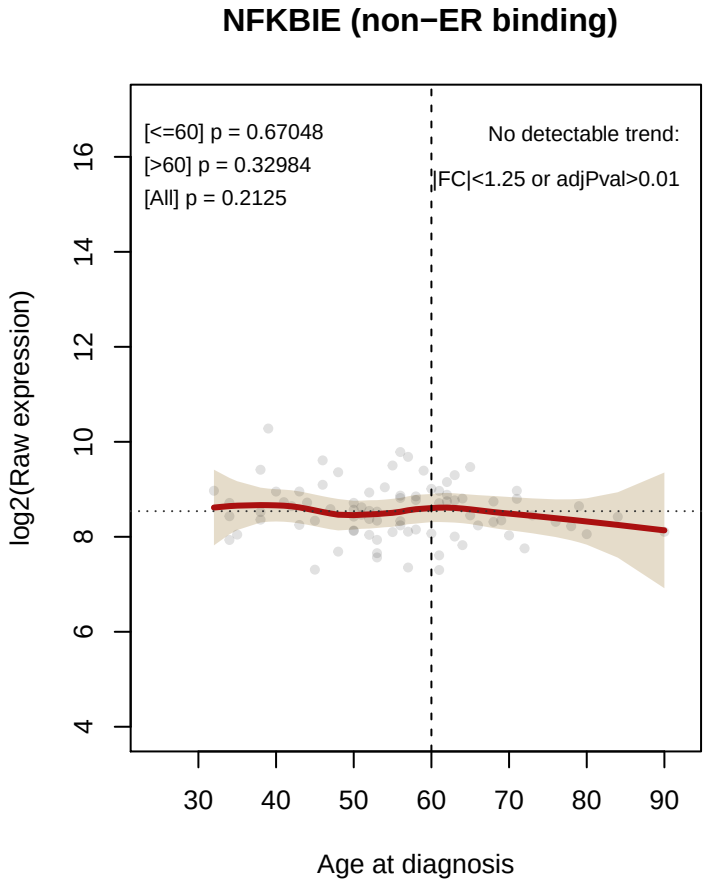


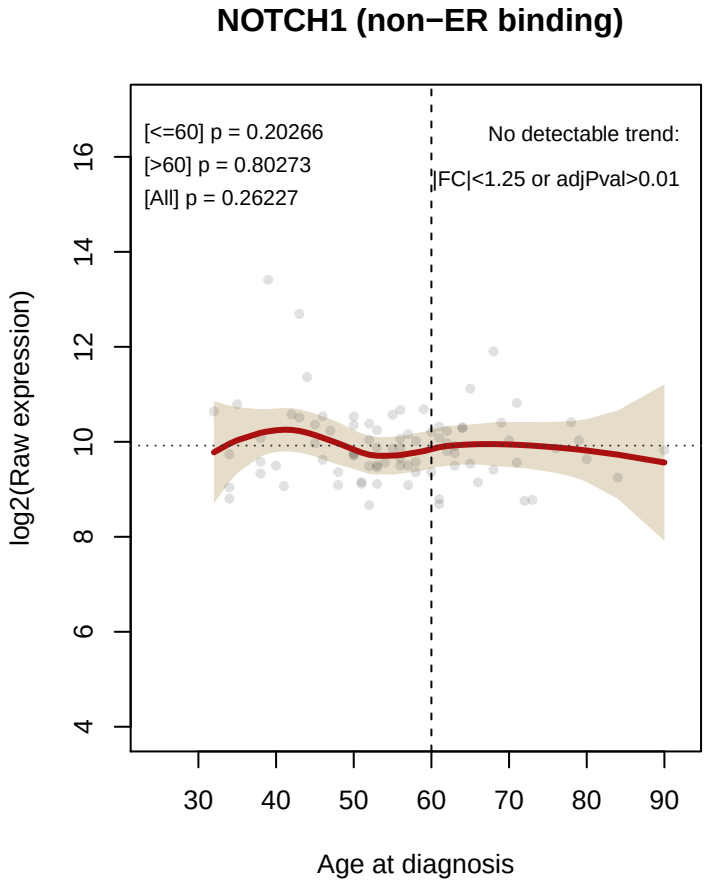

MKI67 (non−ER binding)
[<=60] p = 0.19363
[>60] p = 0.20839
[All] p = 0.82404
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
MTF2 (non−ER binding)
[<=60] p = 0.32172
[>60] p = 0.1066
[All] p = 0.74579
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
MYC (non−ER binding)
[<=60] p = 0.062738
[>60] p = 0.23506
[All] p = 0.077566
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
NCOA6 (non−ER binding)
[<=60] p = 0.37625
[>60] p = 0.9878
[All] p = 0.51121
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

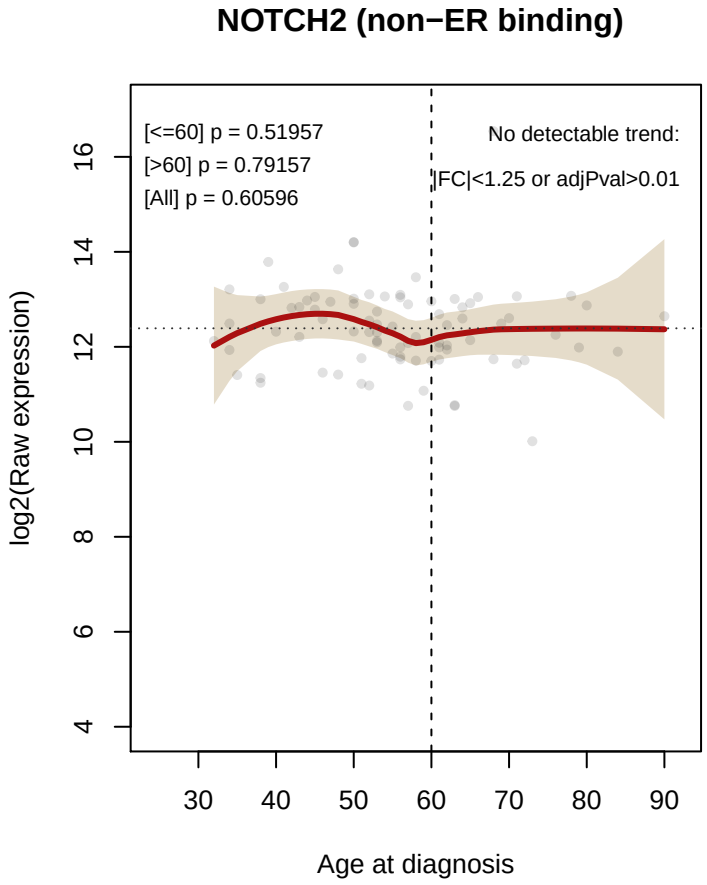

NCOR1 (non−ER binding)
[<=60] p = 0.70999
[>60] p = 0.92074
[All] p = 0.84777
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
NES (non−ER binding)
[<=60] p = 0.71939
[>60] p = 0.32449
[All] p = 0.65983
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
NFKB1 (non−ER binding)
[<=60] p = 0.75998
[>60] p = 0.80312
[All] p = 0.86267
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
NFKB2 (non−ER binding)
[<=60] p = 0.1554
[>60] p = 0.11823
[All] p = 0.049185
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

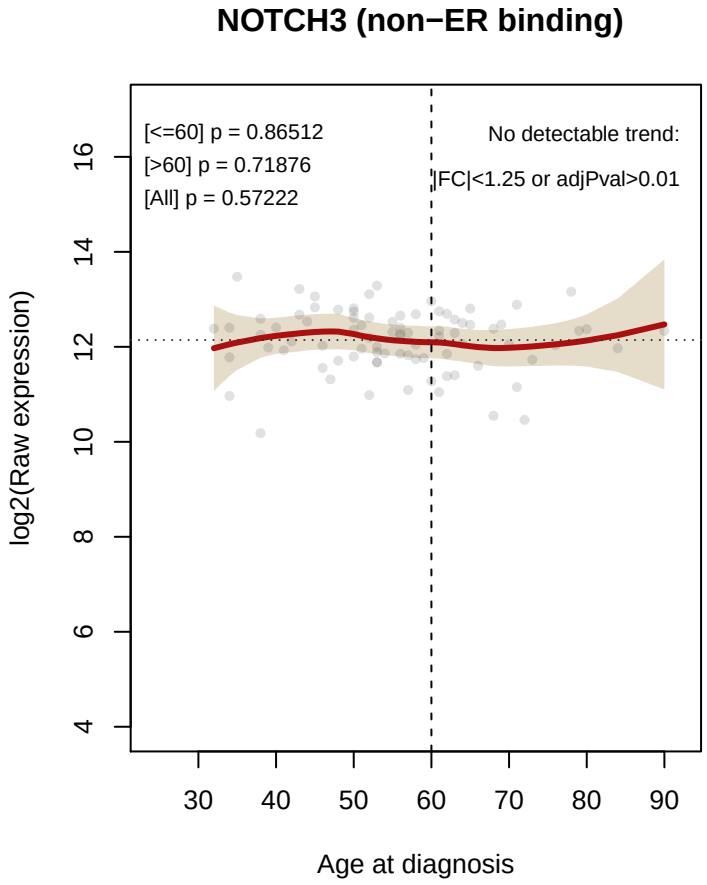

NFKBIA (non−ER binding)
[<=60] p = 0.96177
[>60] p = 0.94066
[All] p = 0.78262
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

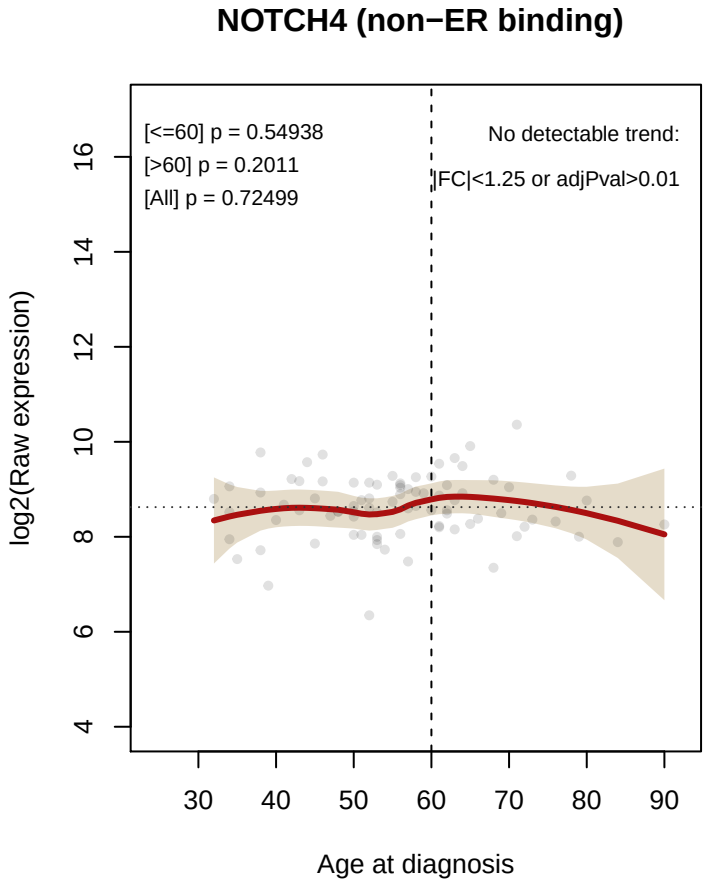

NFKBIB (non−ER binding)
[<=60] p = 0.17068
[>60] p = 0.38904
[All] p = 0.86436
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

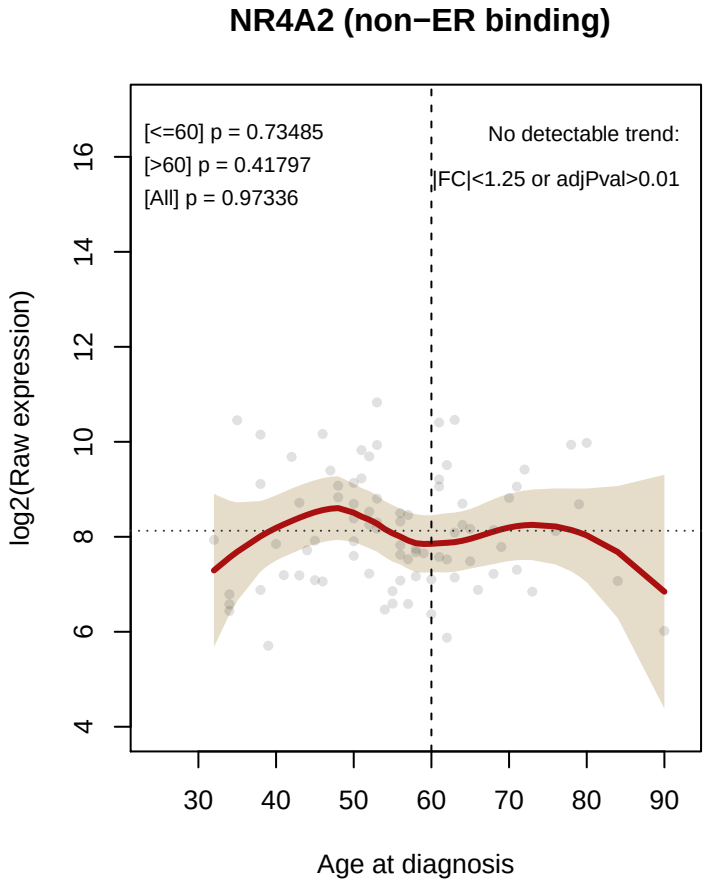

NFKBIE (non−ER binding)
[<=60] p = 0.67048
[>60] p = 0.32984
[All] p = 0.2125
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

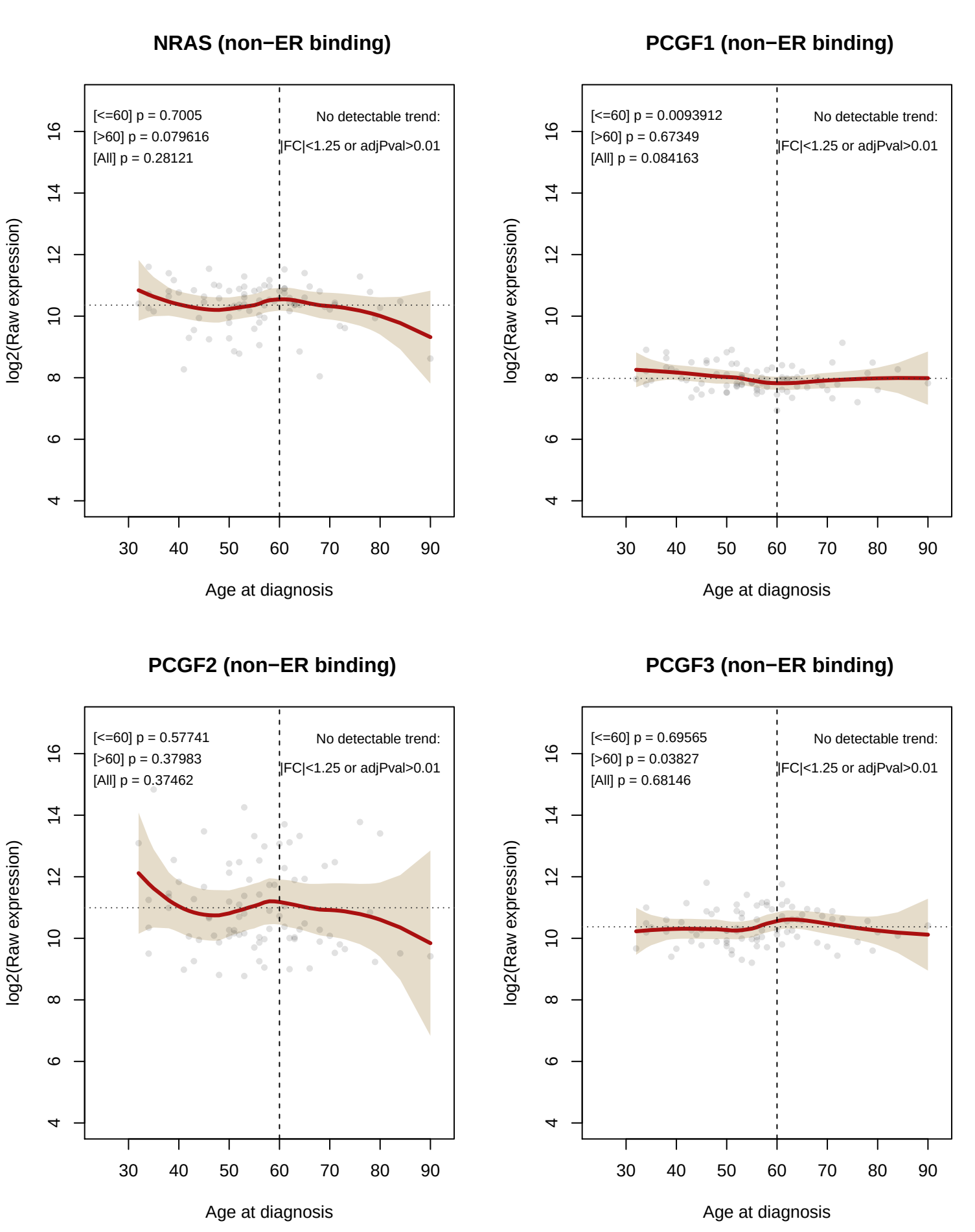

NOTCH1 (non−ER binding)
[<=60] p = 0.20266
[>60] p = 0.80273
[All] p = 0.26227
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

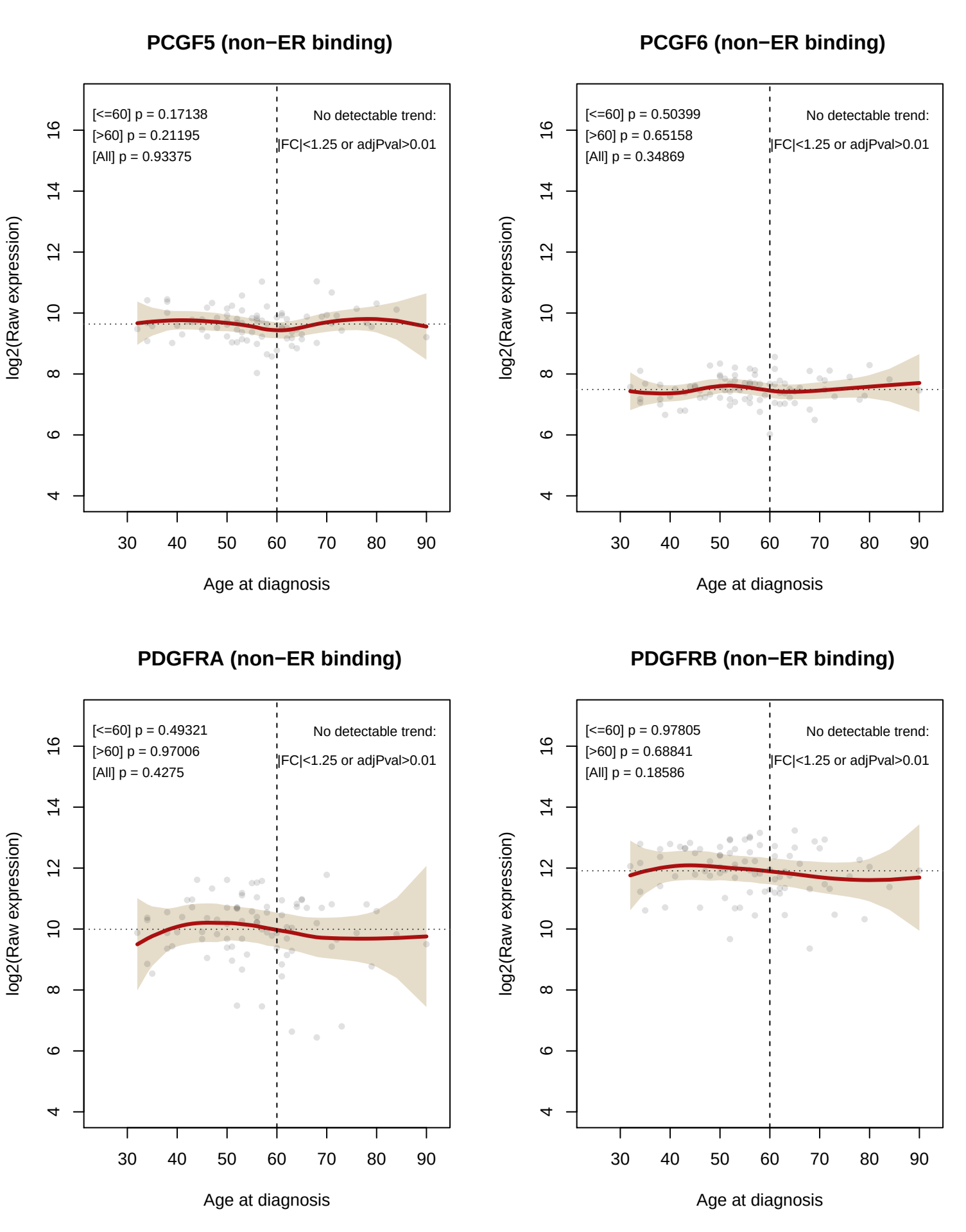

NOTCH2 (non−ER binding)
[<=60] p = 0.51957
[>60] p = 0.79157
[All] p = 0.60596
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

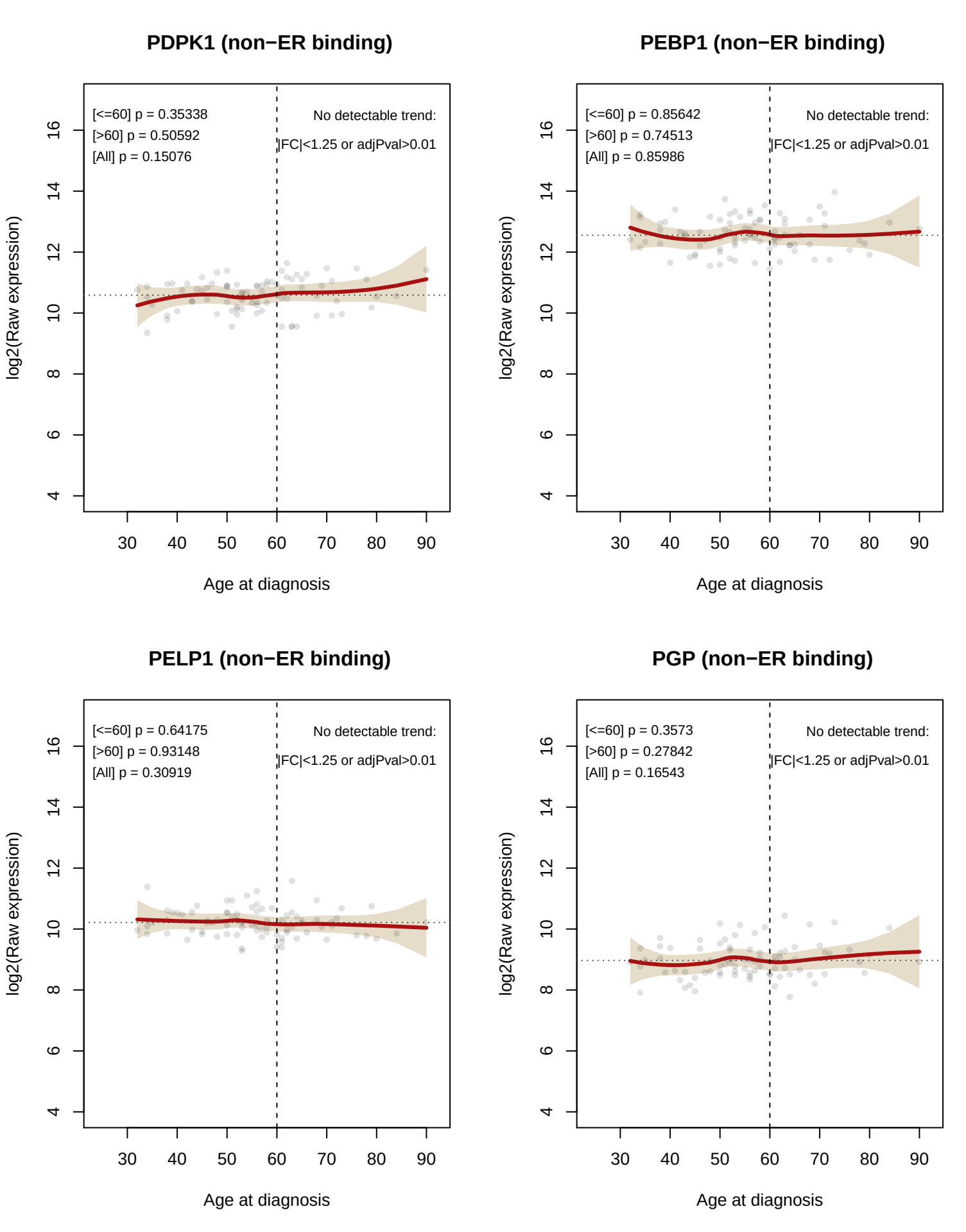

NOTCH3 (non−ER binding)
[<=60] p = 0.86512
[>60] p = 0.71876
[All] p = 0.57222
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

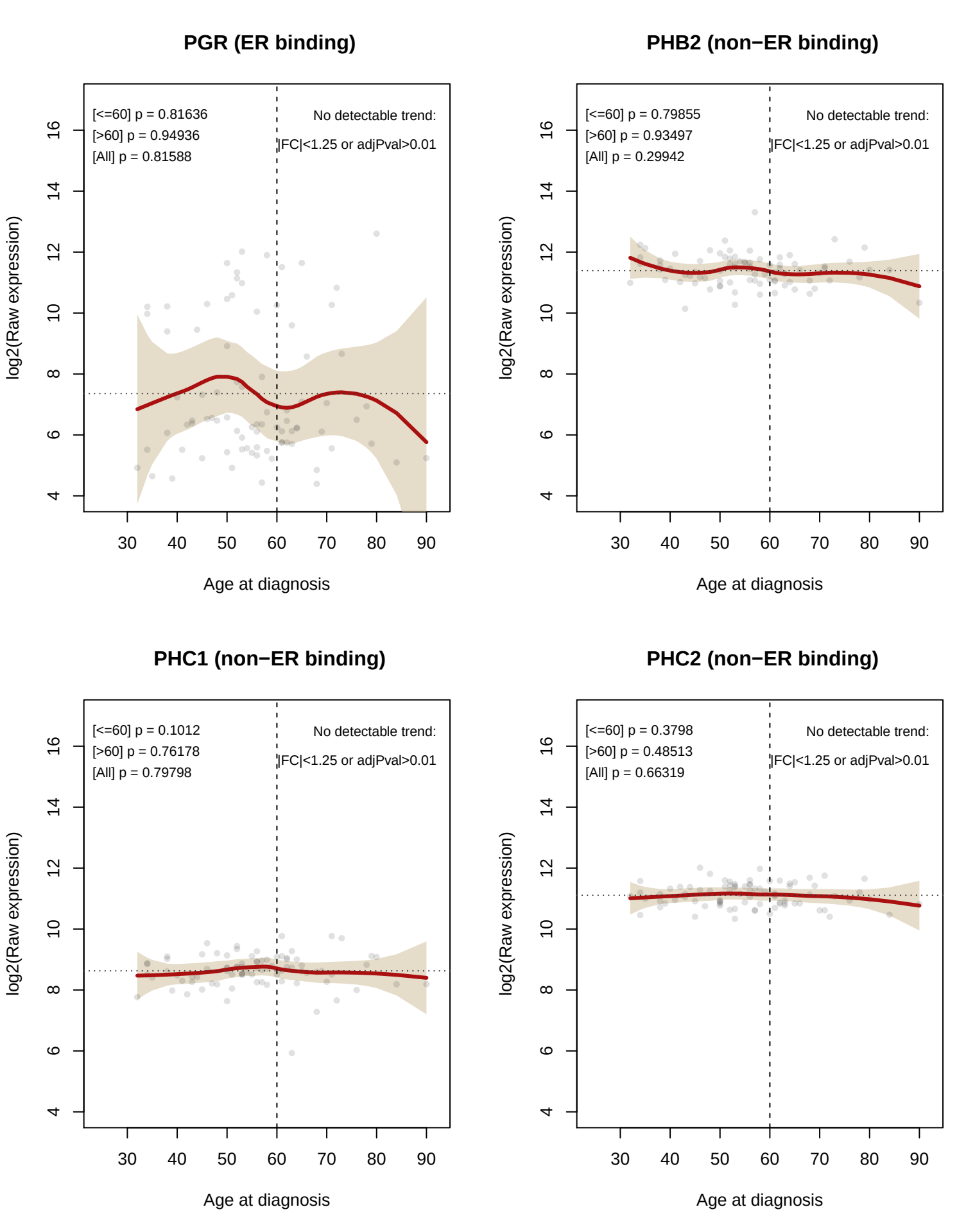

NOTCH4 (non−ER binding)
[<=60] p = 0.54938
[>60] p = 0.2011
[All] p = 0.72499
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

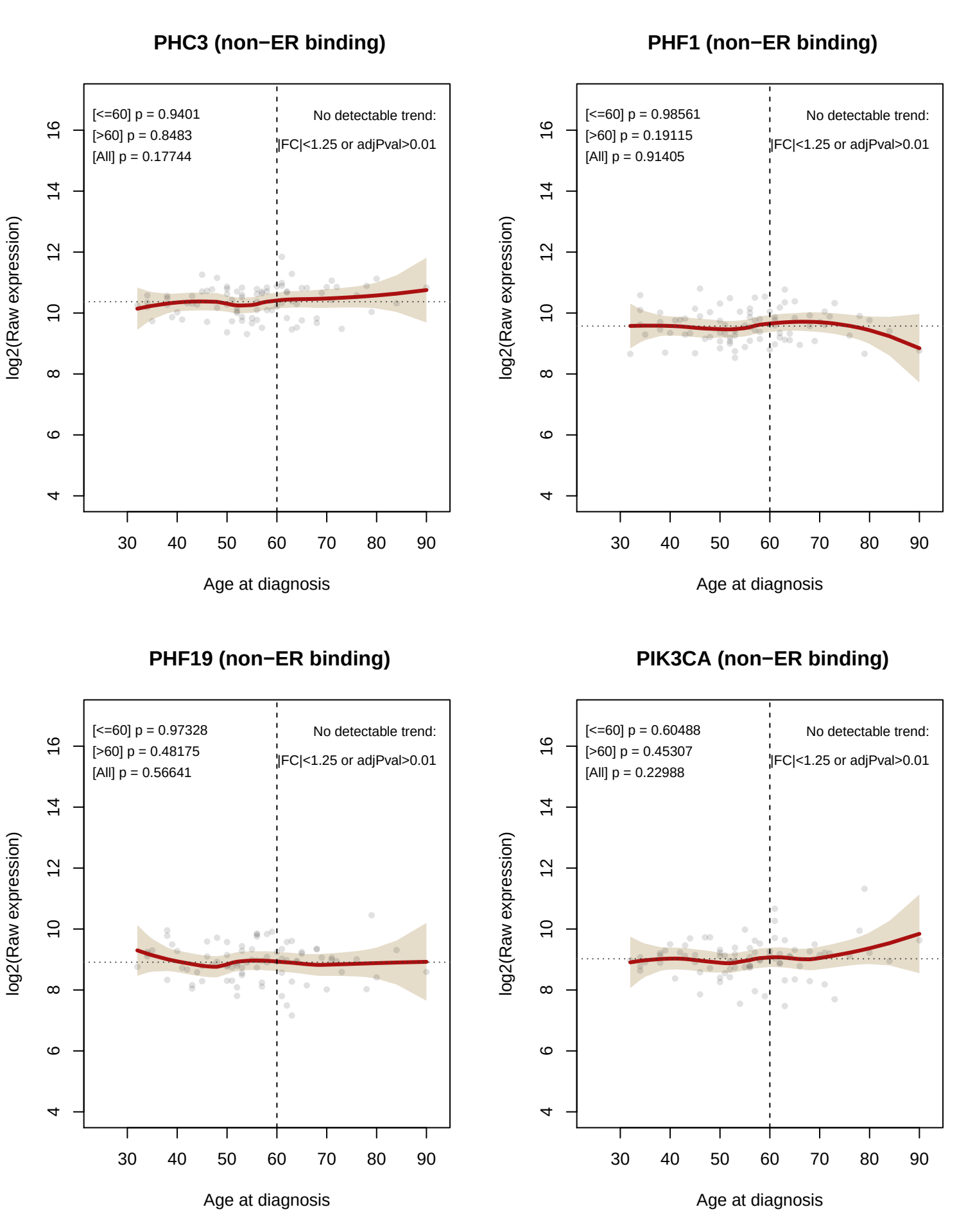

NR4A2 (non−ER binding)
[<=60] p = 0.73485
[>60] p = 0.41797
[All] p = 0.97336
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

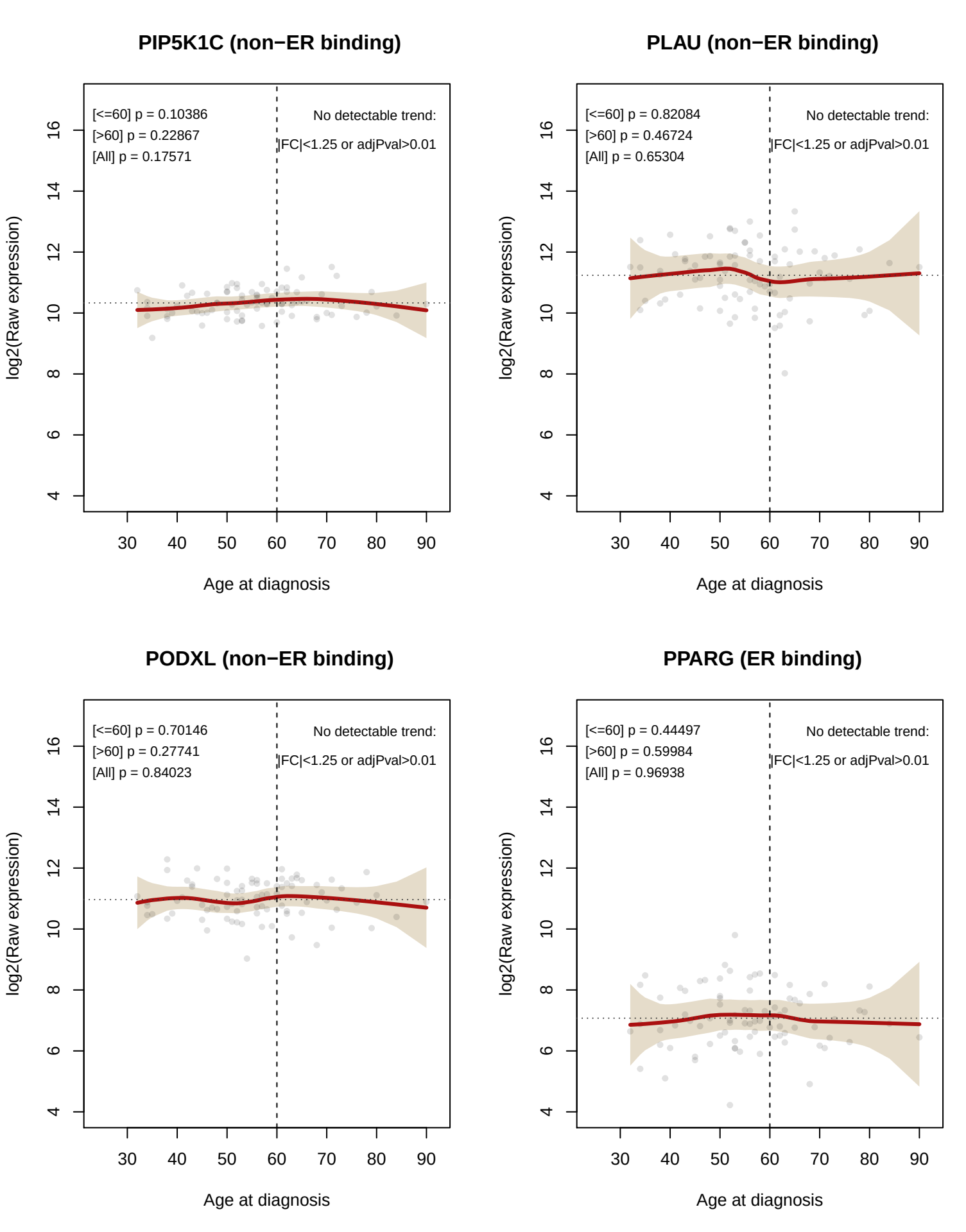

NRAS (non−ER binding)
[<=60] p = 0.7005
[>60] p = 0.079616
[All] p = 0.28121
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PCGF1 (non−ER binding)
[<=60] p = 0.0093912
[>60] p = 0.67349
[All] p = 0.084163
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PCGF2 (non−ER binding)
[<=60] p = 0.57741
[>60] p = 0.37983
[All] p = 0.37462
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PCGF3 (non−ER binding)
[<=60] p = 0.69565
[>60] p = 0.03827
[All] p = 0.68146
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


PCGF5 (non−ER binding)
[<=60] p = 0.17138
[>60] p = 0.21195
[All] p = 0.93375
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PCGF6 (non−ER binding)
[<=60] p = 0.50399
[>60] p = 0.65158
[All] p = 0.34869
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PDGFRA (non−ER binding)
[<=60] p = 0.49321
[>60] p = 0.97006
[All] p = 0.4275
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PDGFRB (non−ER binding)
[<=60] p = 0.97805
[>60] p = 0.68841
[All] p = 0.18586
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


PDPK1 (non−ER binding)
[<=60] p = 0.35338
[>60] p = 0.50592
[All] p = 0.15076
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PEBP1 (non−ER binding)
[<=60] p = 0.85642
[>60] p = 0.74513
[All] p = 0.85986
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PELP1 (non−ER binding)
[<=60] p = 0.64175
[>60] p = 0.93148
[All] p = 0.30919
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PGP (non−ER binding)
[<=60] p = 0.3573
[>60] p = 0.27842
[All] p = 0.16543
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


PGR (ER binding)
[<=60] p = 0.81636
[>60] p = 0.94936
[All] p = 0.81588
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PHB2 (non−ER binding)
[<=60] p = 0.79855
[>60] p = 0.93497
[All] p = 0.29942
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PHC1 (non−ER binding)
[<=60] p = 0.1012
[>60] p = 0.76178
[All] p = 0.79798
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PHC2 (non−ER binding)
[<=60] p = 0.3798
[>60] p = 0.48513
[All] p = 0.66319
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


PHC3 (non−ER binding)
[<=60] p = 0.9401
[>60] p = 0.8483
[All] p = 0.17744
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PHF1 (non−ER binding)
[<=60] p = 0.98561
[>60] p = 0.19115
[All] p = 0.91405
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PHF19 (non−ER binding)
[<=60] p = 0.97328
[>60] p = 0.48175
[All] p = 0.56641
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PIK3CA (non−ER binding)
[<=60] p = 0.60488
[>60] p = 0.45307
[All] p = 0.22988
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


PIP5K1C (non−ER binding)
[<=60] p = 0.10386
[>60] p = 0.22867
[All] p = 0.17571
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PLAU (non−ER binding)
[<=60] p = 0.82084
[>60] p = 0.46724
[All] p = 0.65304
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PODXL (non−ER binding)
[<=60] p = 0.70146
[>60] p = 0.27741
[All] p = 0.84023
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PPARG (ER binding)
[<=60] p = 0.44497
[>60] p = 0.59984
[All] p = 0.96938
No detectable trend:
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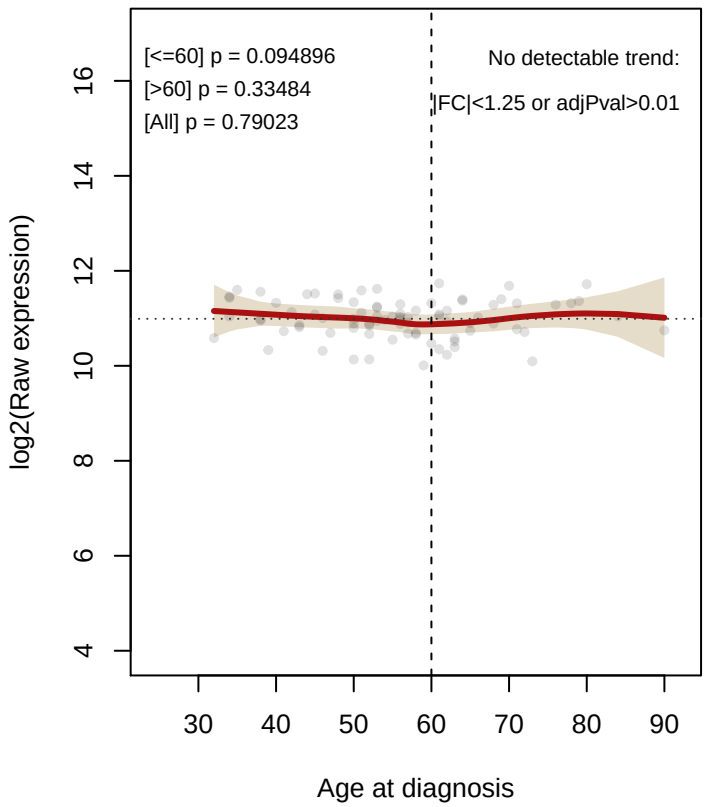
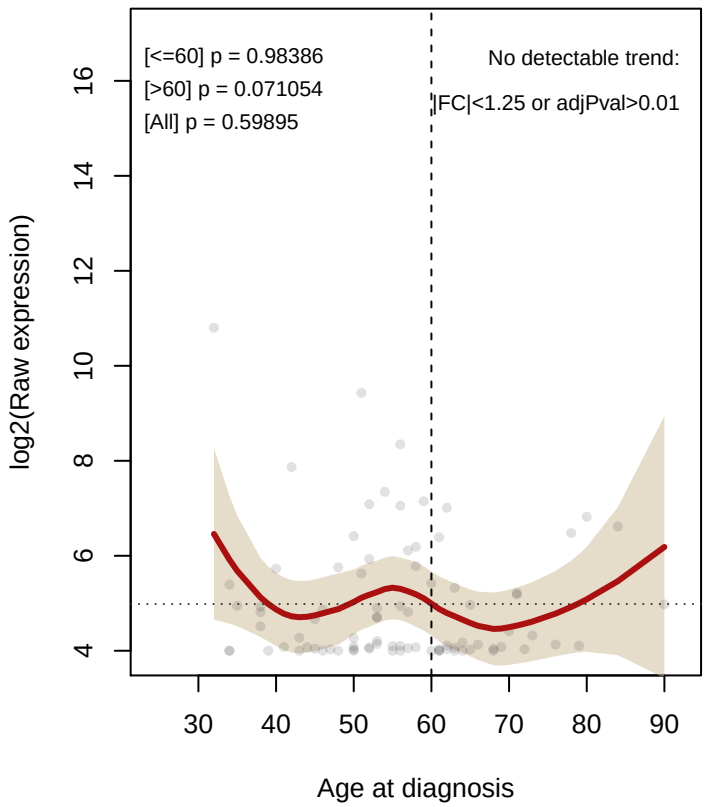
log2(Raw expression)
Age at diagnosis

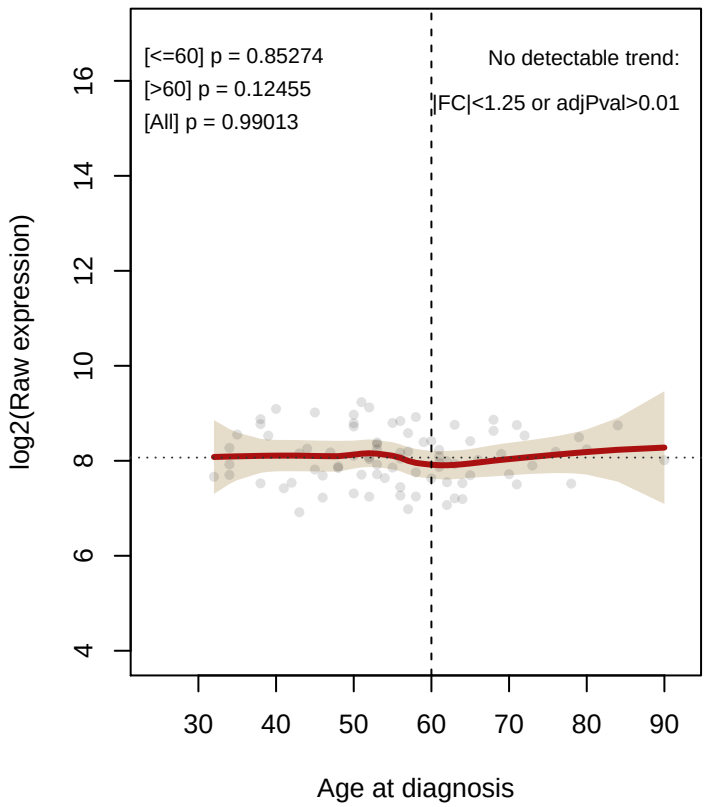
PTEN (non−ER binding)



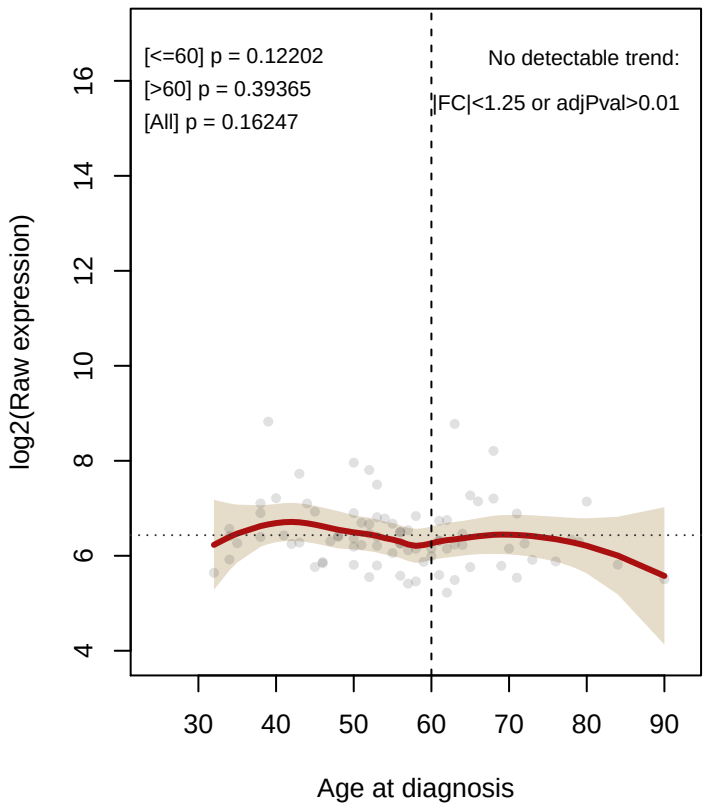
PYDC1 (non−ER binding)



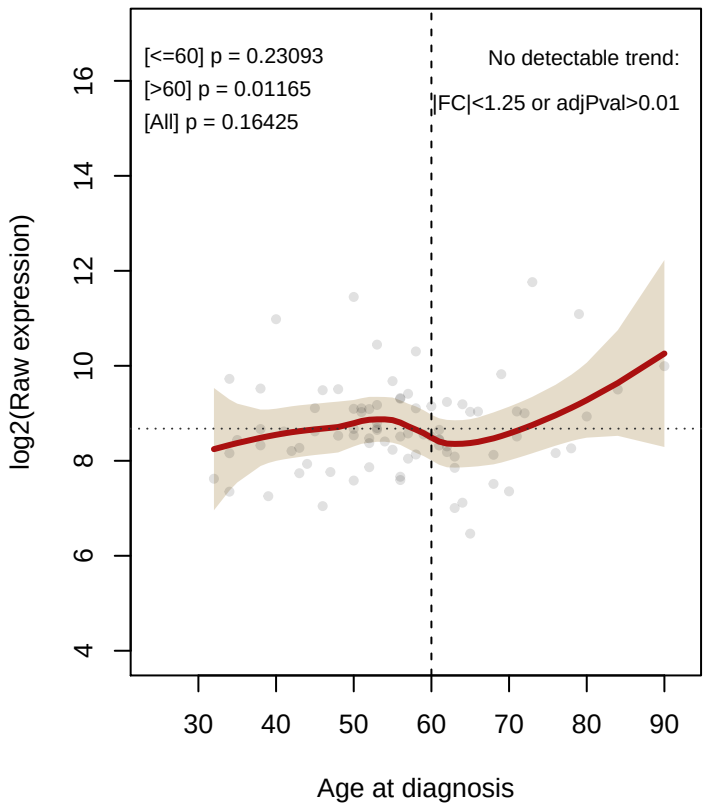
RAD51 (non−ER binding)



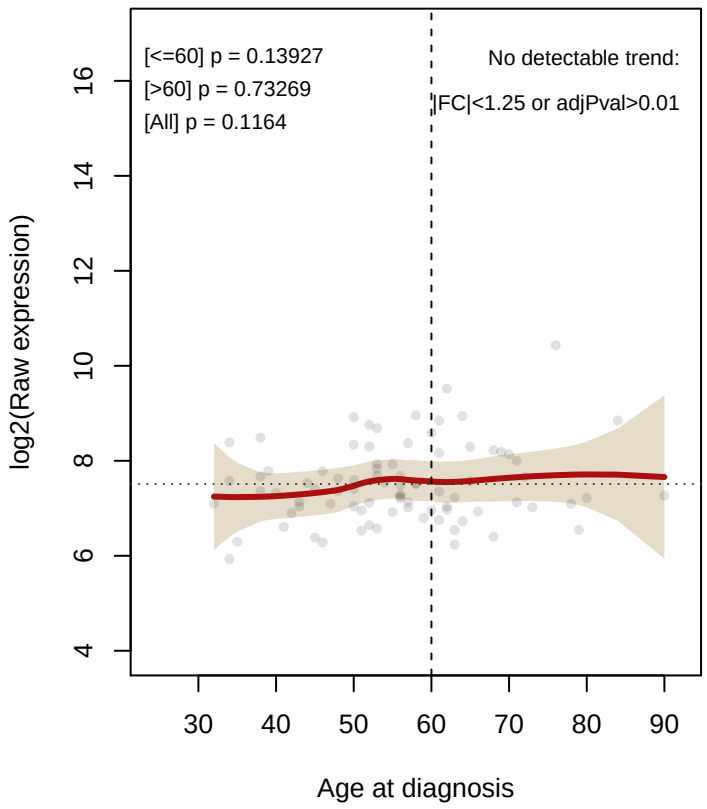
RAD51B (ER binding)



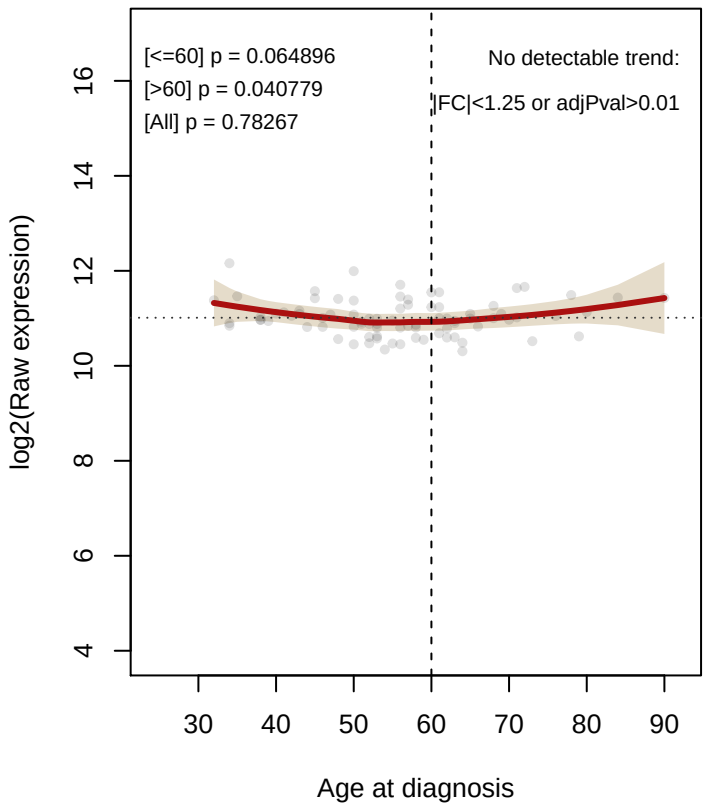
RAD51C (non−ER binding)



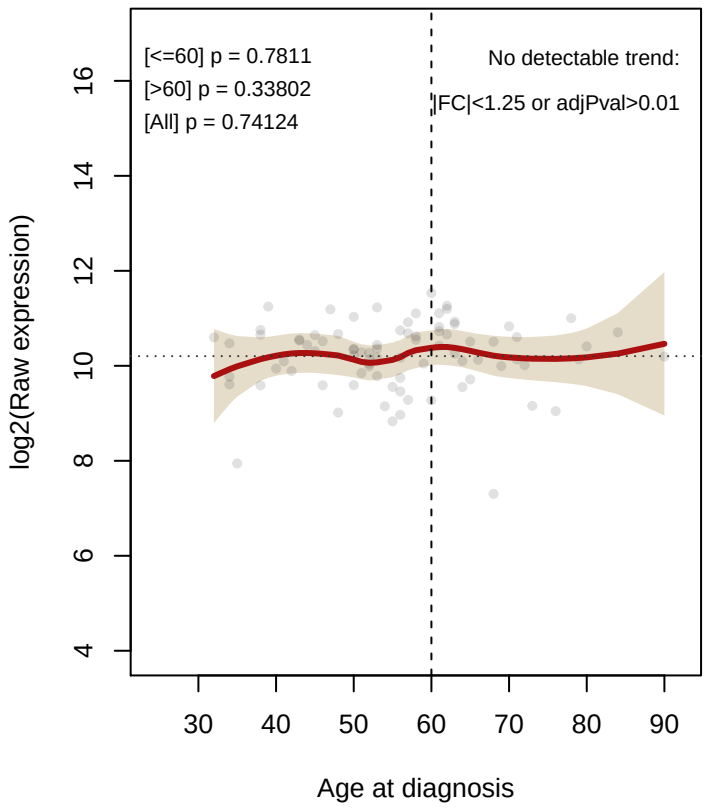
RAD51D (non−ER binding)

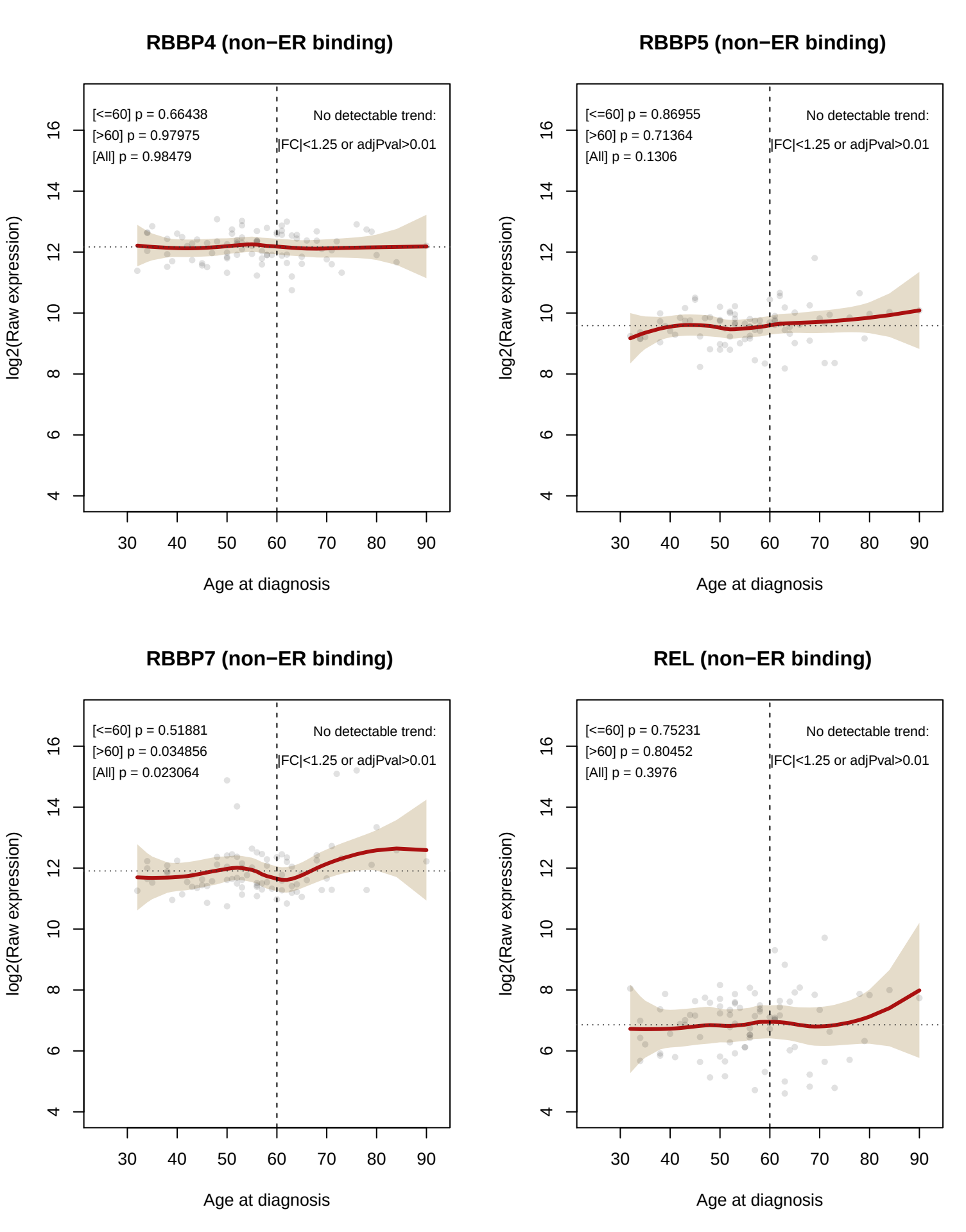


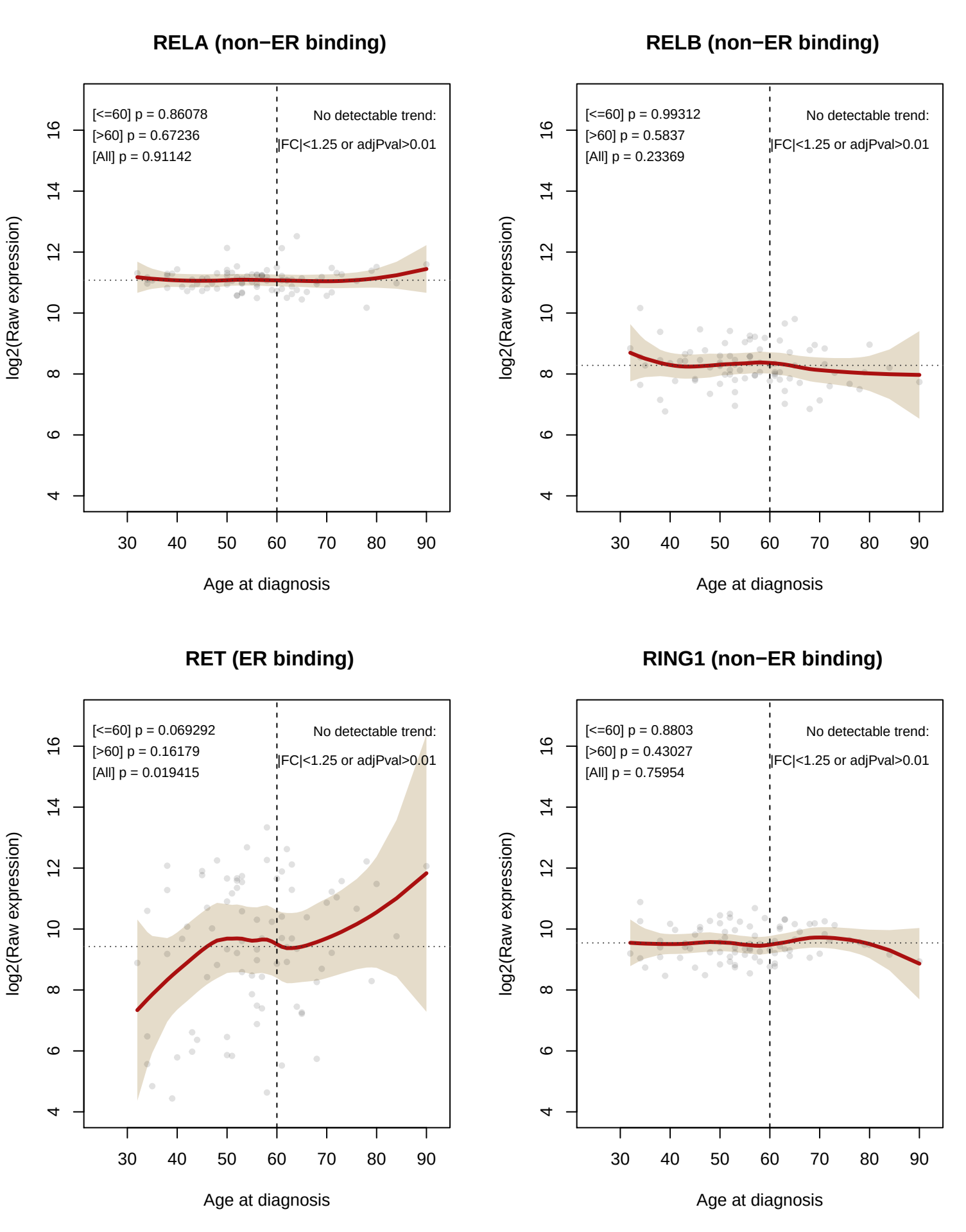
RAF1 (non−ER binding)

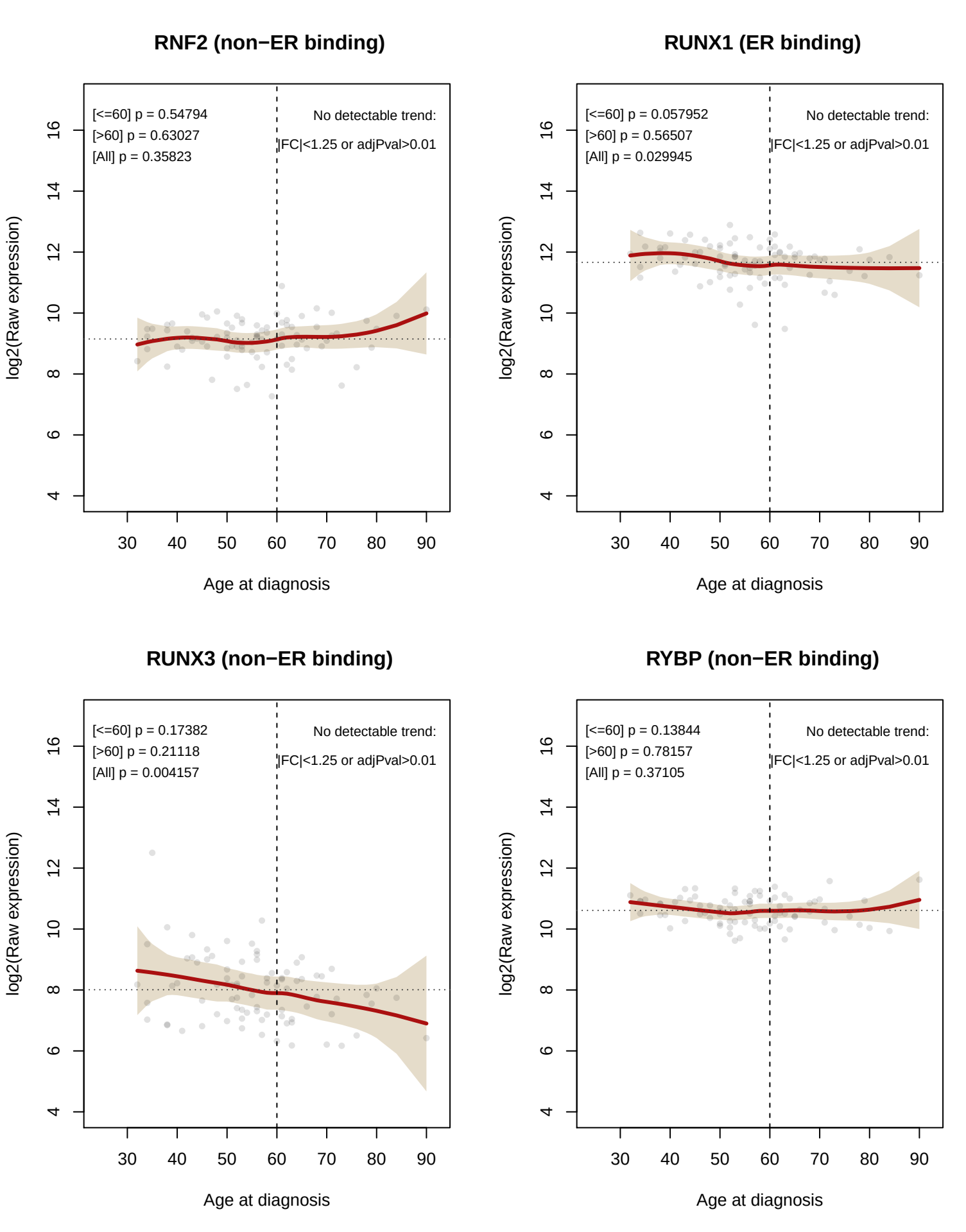


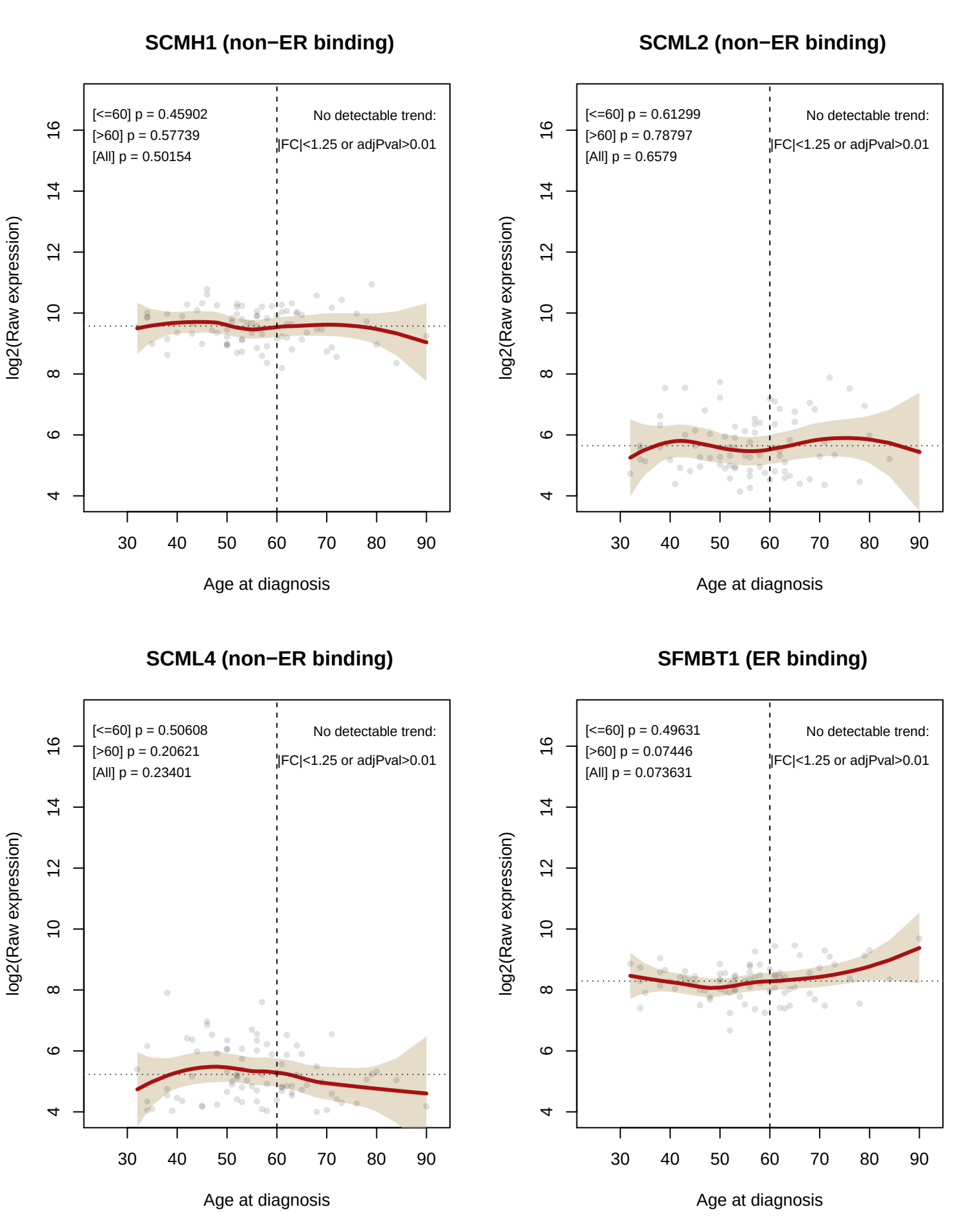
RB1 (non−ER binding)

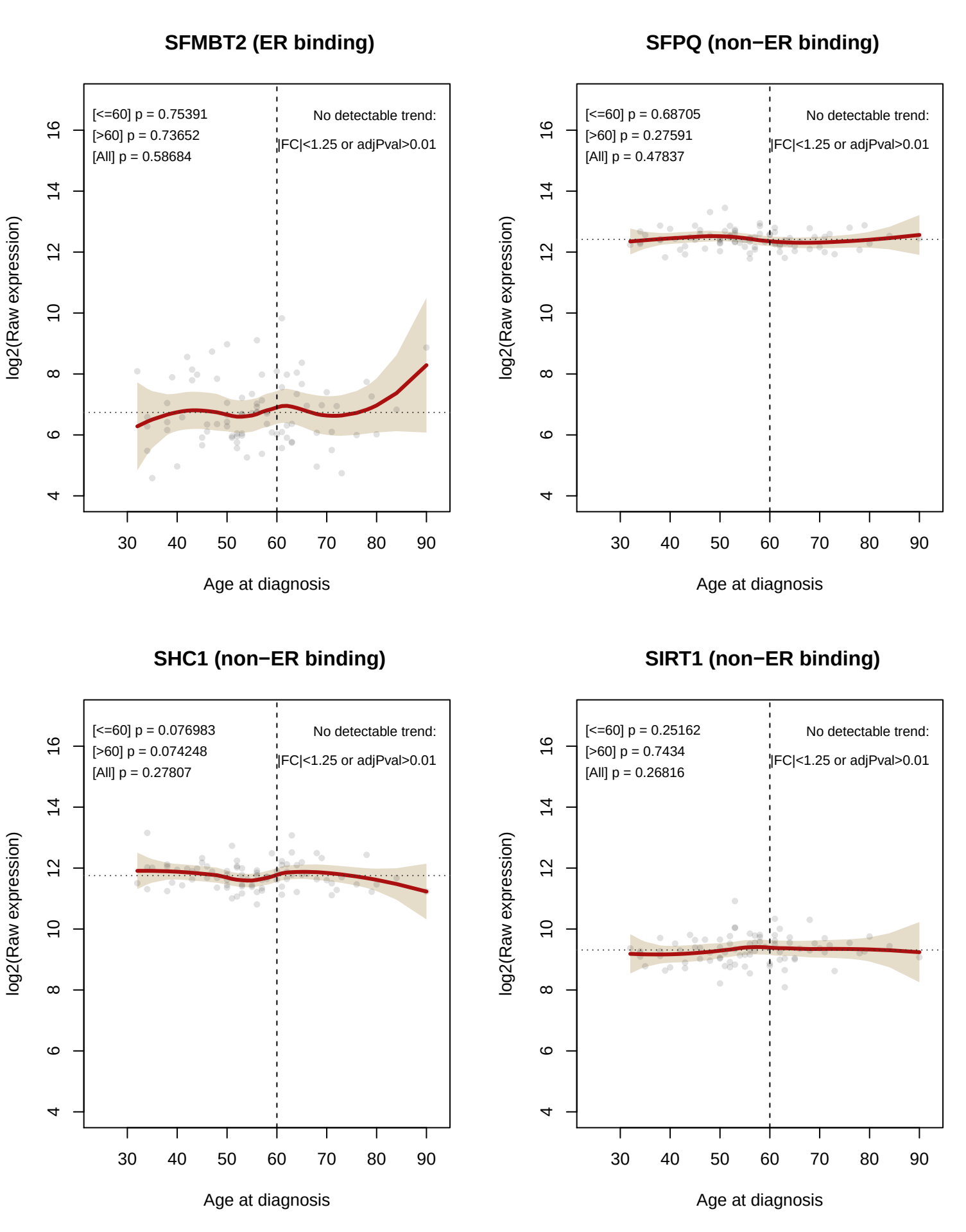


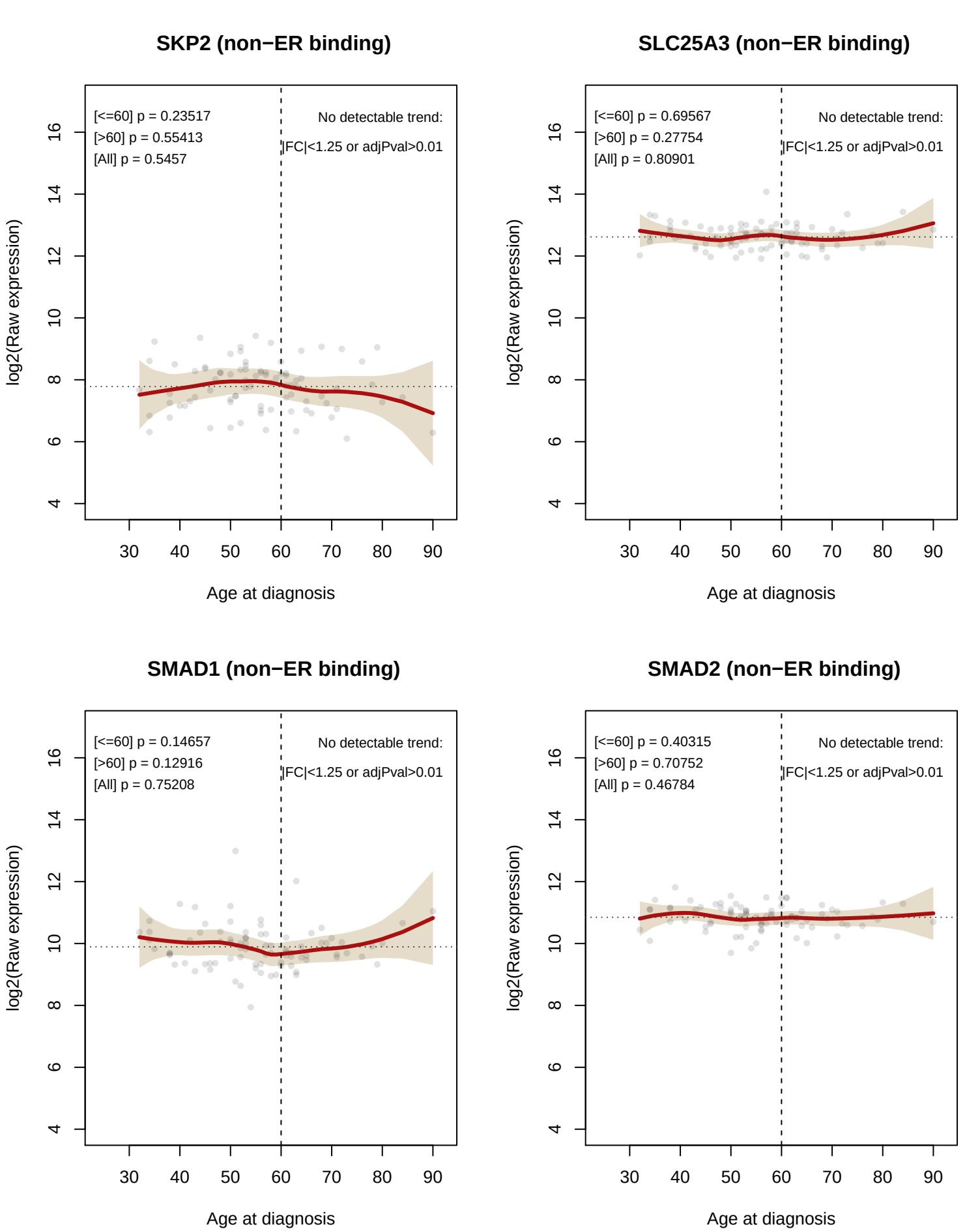

RBBP4 (non−ER binding)
[<=60] p = 0.66438
[>60] p = 0.97975
[All] p = 0.98479
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
RBBP5 (non−ER binding)
[<=60] p = 0.86955
[>60] p = 0.71364
[All] p = 0.1306
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
RBBP7 (non−ER binding)
[<=60] p = 0.51881
[>60] p = 0.034856
[All] p = 0.023064
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
REL (non−ER binding)
[<=60] p = 0.75231
[>60] p = 0.80452
[All] p = 0.3976
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


RELA (non−ER binding)
[<=60] p = 0.86078
[>60] p = 0.67236
[All] p = 0.91142
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
RELB (non−ER binding)
[<=60] p = 0.99312
[>60] p = 0.5837
[All] p = 0.23369
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
RET (ER binding)
[<=60] p = 0.069292
[>60] p = 0.16179
[All] p = 0.019415
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
RING1 (non−ER binding)
[<=60] p = 0.8803
[>60] p = 0.43027
[All] p = 0.75954
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

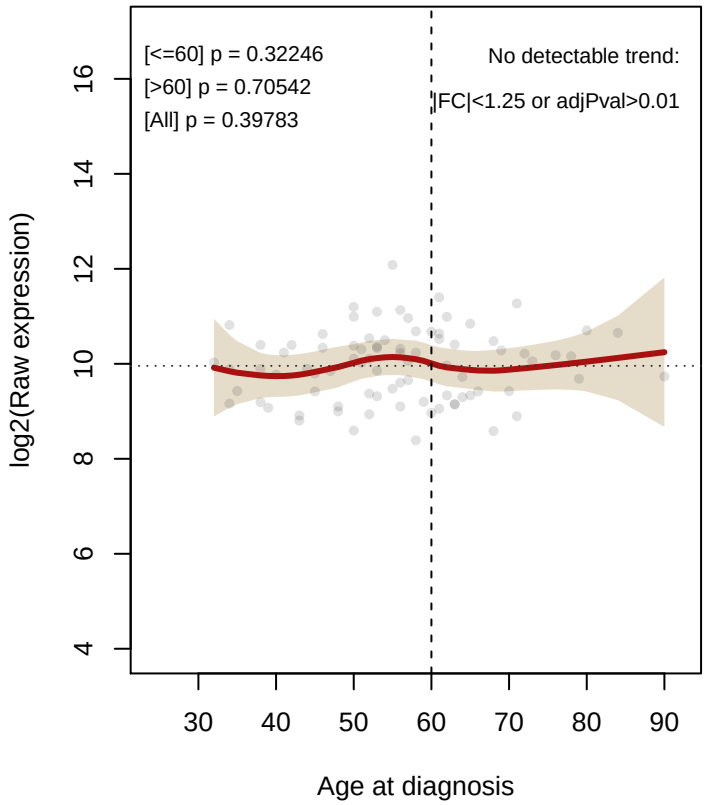

RNF2 (non−ER binding)
[<=60] p = 0.54794
[>60] p = 0.63027
[All] p = 0.35823
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
RUNX1 (ER binding)
[<=60] p = 0.057952
[>60] p = 0.56507
[All] p = 0.029945
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
RUNX3 (non−ER binding)
[<=60] p = 0.17382
[>60] p = 0.21118
[All] p = 0.004157
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
RYBP (non−ER binding)
[<=60] p = 0.13844
[>60] p = 0.78157
[All] p = 0.37105
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


SCMH1 (non−ER binding)
[<=60] p = 0.45902
[>60] p = 0.57739
[All] p = 0.50154
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
SCML2 (non−ER binding)
[<=60] p = 0.61299
[>60] p = 0.78797
[All] p = 0.6579
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
SCML4 (non−ER binding)
[<=60] p = 0.50608
[>60] p = 0.20621
[All] p = 0.23401
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
SFMBT1 (ER binding)
[<=60] p = 0.49631
[>60] p = 0.07446
[All] p = 0.073631
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

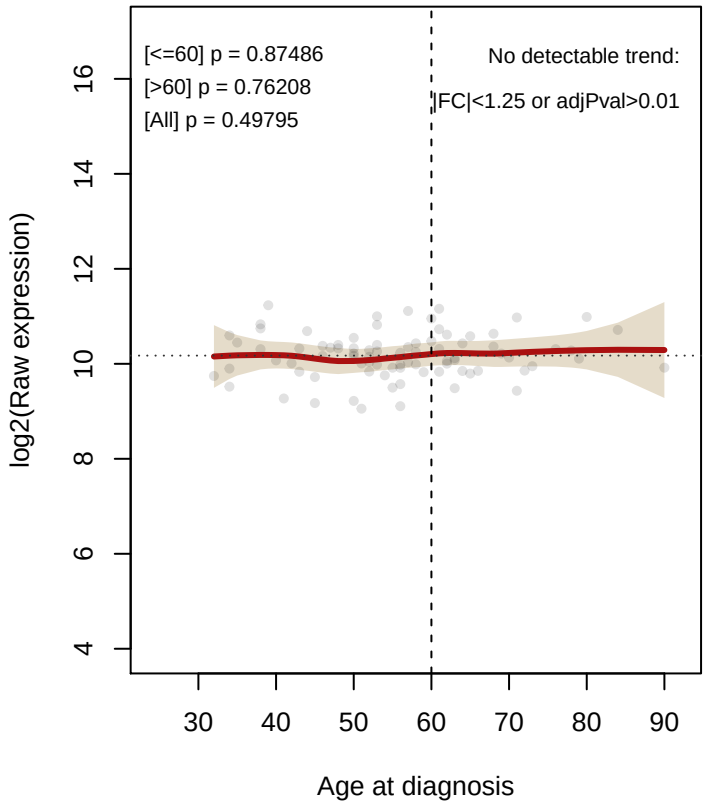

SFMBT2 (ER binding)
[<=60] p = 0.75391
[>60] p = 0.73652
[All] p = 0.58684
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
SFPQ (non−ER binding)
[<=60] p = 0.68705
[>60] p = 0.27591
[All] p = 0.47837
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
SHC1 (non−ER binding)
[<=60] p = 0.076983
[>60] p = 0.074248
[All] p = 0.27807
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
SIRT1 (non−ER binding)
[<=60] p = 0.25162
[>60] p = 0.7434
[All] p = 0.26816
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


SKP2 (non−ER binding)
[<=60] p = 0.23517
[>60] p = 0.55413
[All] p = 0.5457
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
SLC25A3 (non−ER binding)
[<=60] p = 0.69567
[>60] p = 0.27754
[All] p = 0.80901
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
SMAD1 (non−ER binding)
[<=60] p = 0.14657
[>60] p = 0.12916
[All] p = 0.75208
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
SMAD2 (non−ER binding)
[<=60] p = 0.40315
[>60] p = 0.70752
[All] p = 0.46784
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

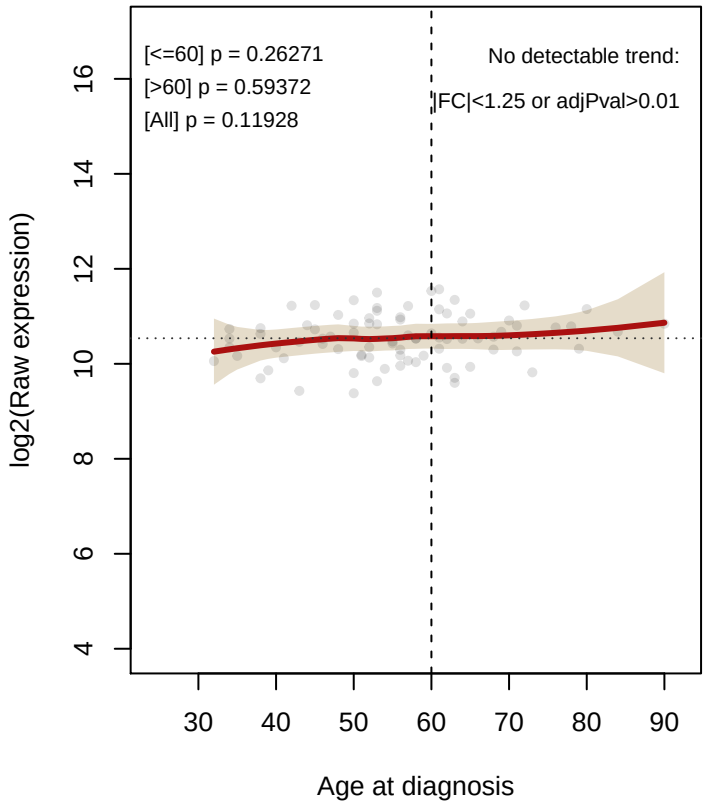
SMAD3 (ER binding)



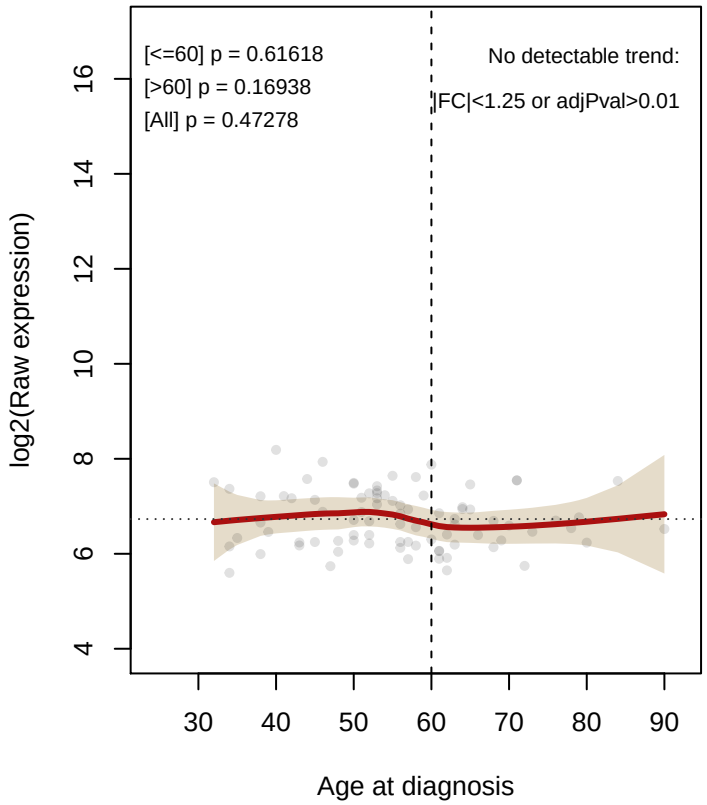
SMAD4 (non−ER binding)

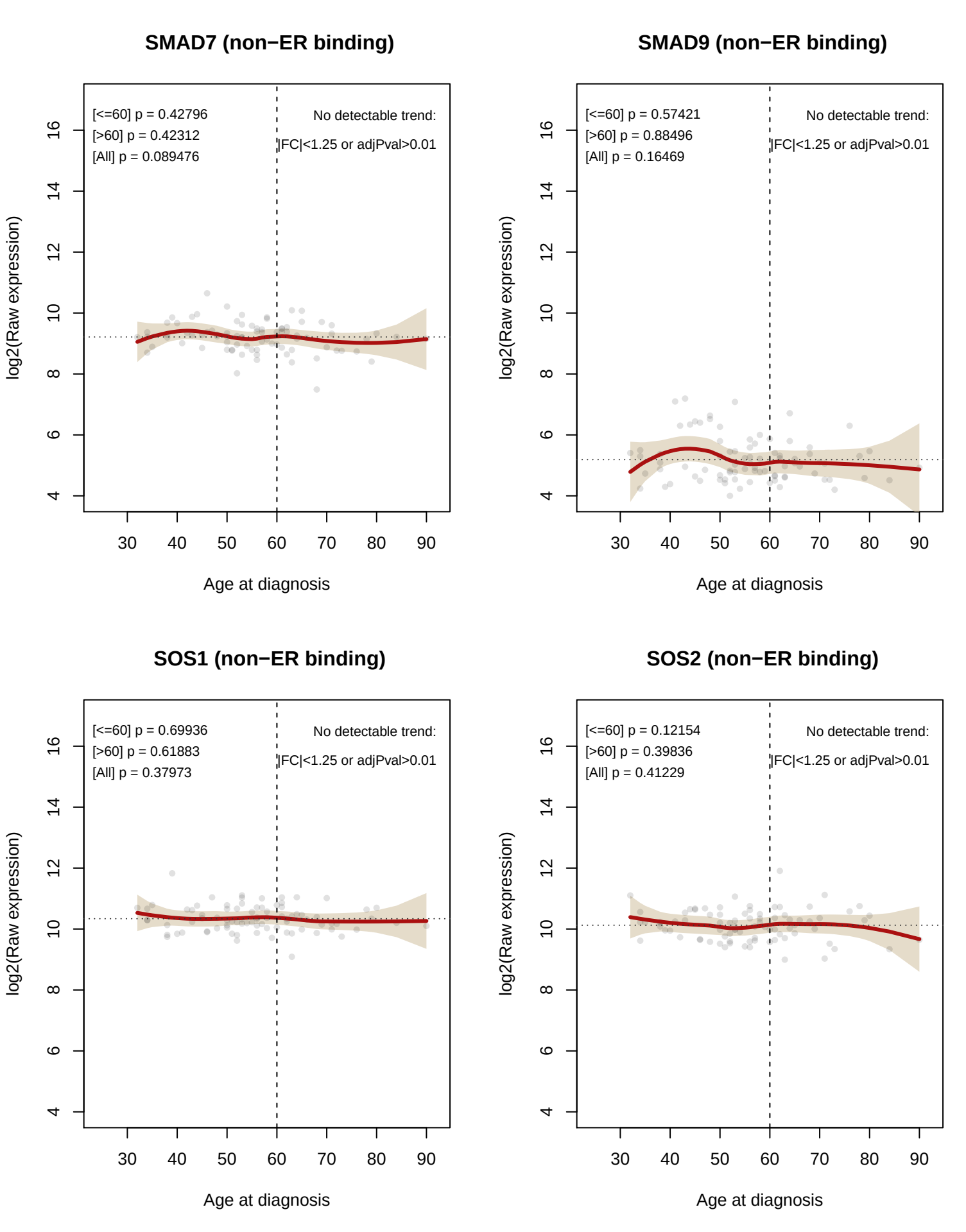


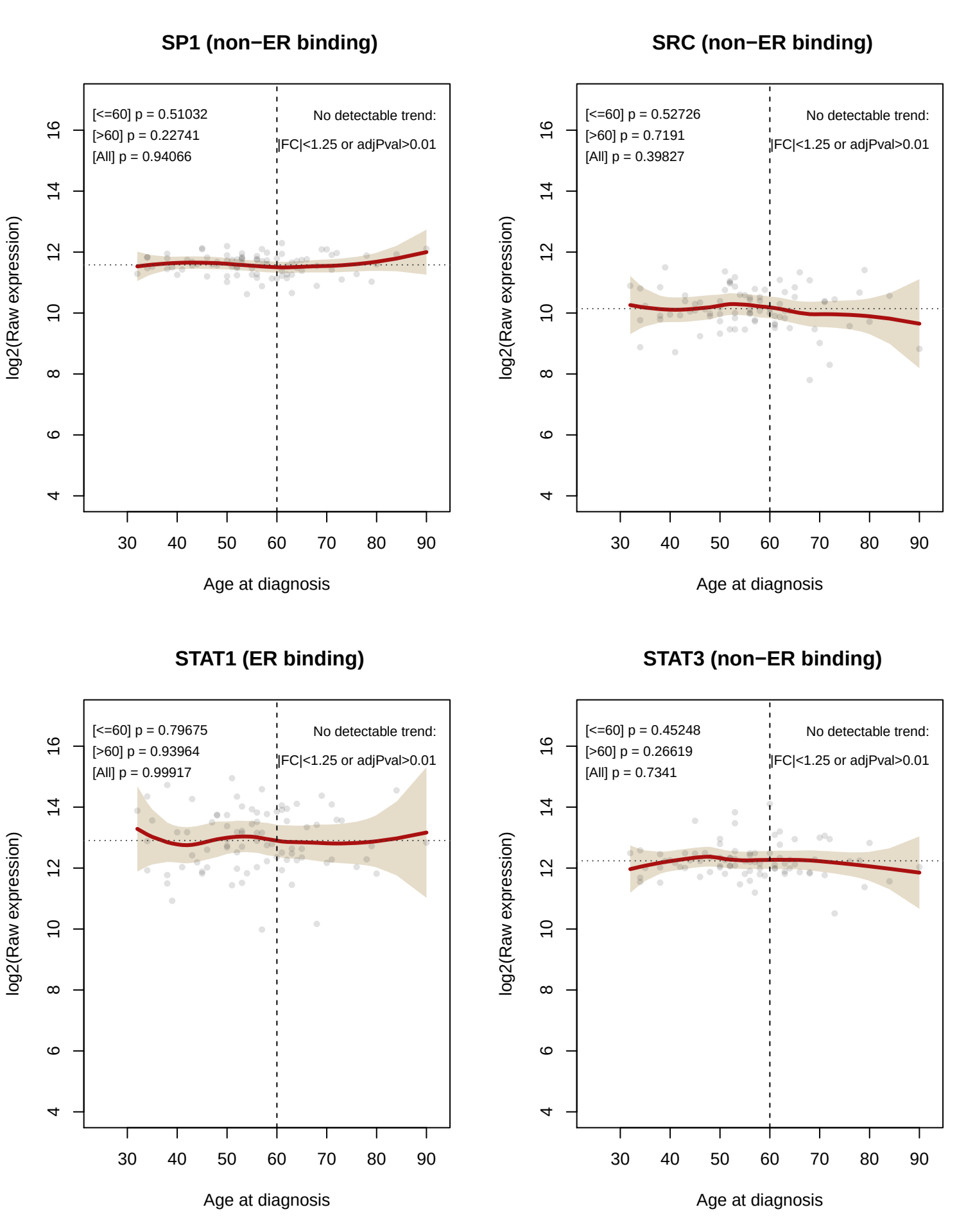
SMAD5 (non−ER binding)

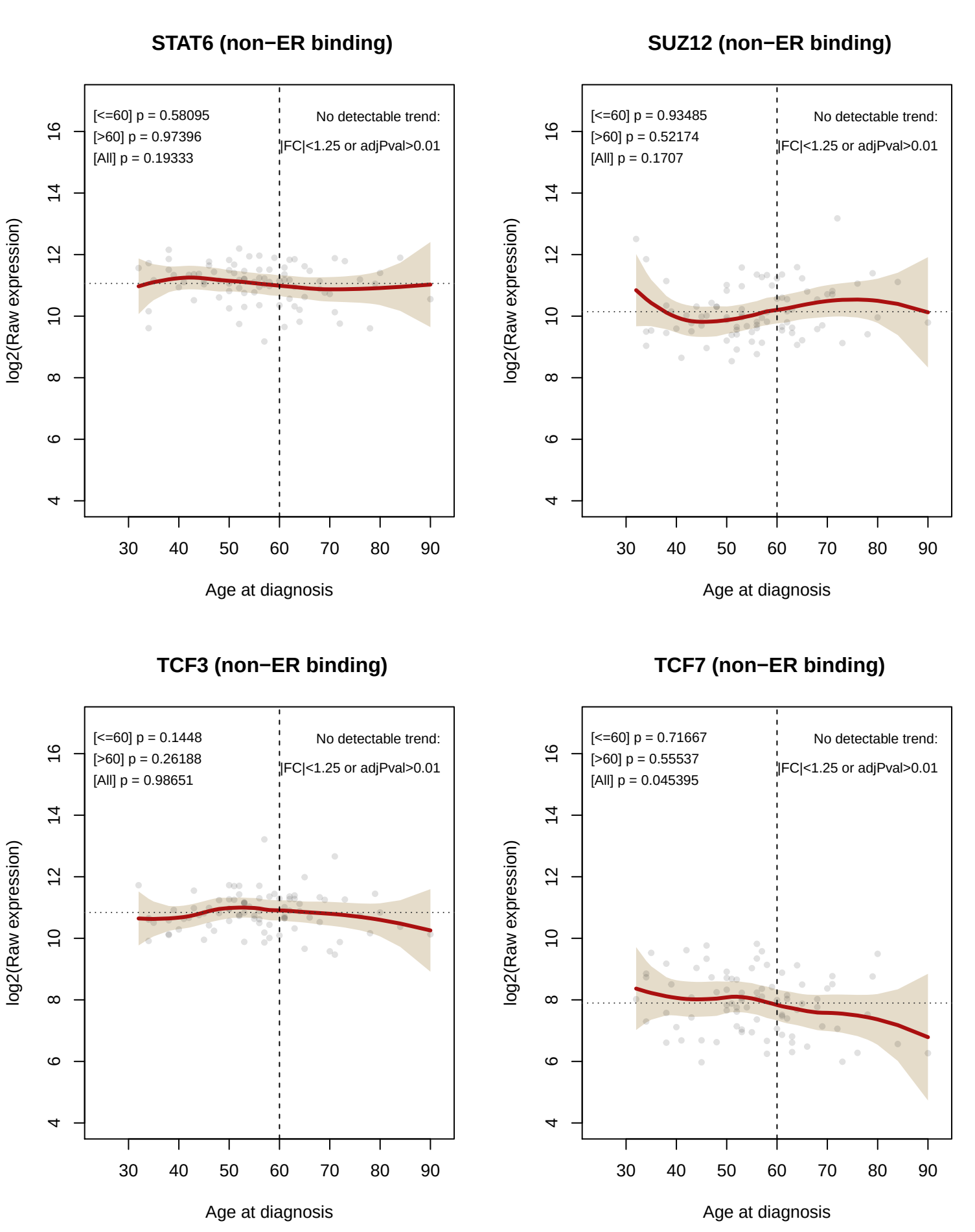


SMAD6 (non−ER binding)

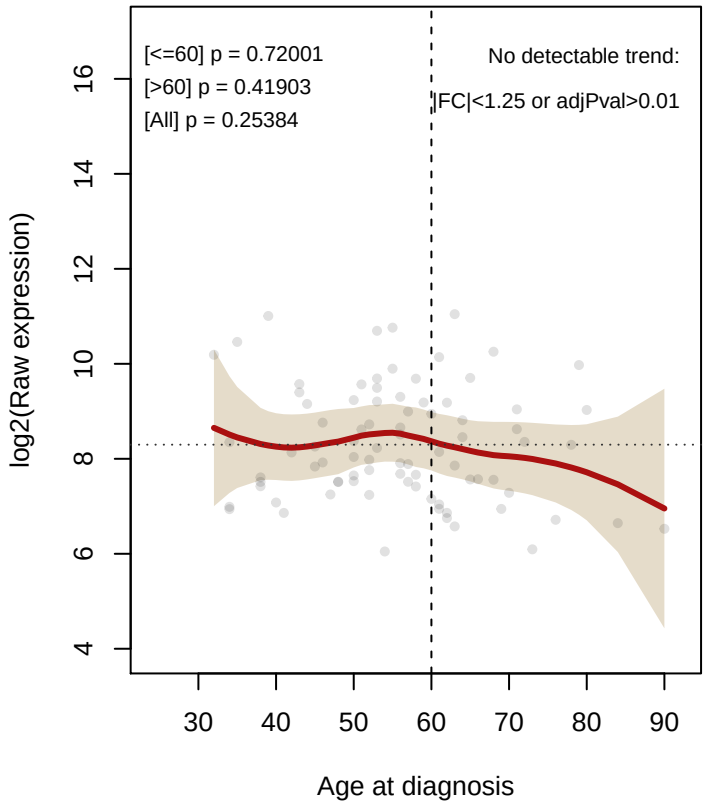



SMAD7 (non−ER binding)
[<=60] p = 0.42796
[>60] p = 0.42312
[All] p = 0.089476
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
SMAD9 (non−ER binding)
[<=60] p = 0.57421
[>60] p = 0.88496
[All] p = 0.16469
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
SOS1 (non−ER binding)
[<=60] p = 0.69936
[>60] p = 0.61883
[All] p = 0.37973
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
SOS2 (non−ER binding)
[<=60] p = 0.12154
[>60] p = 0.39836
[All] p = 0.41229
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

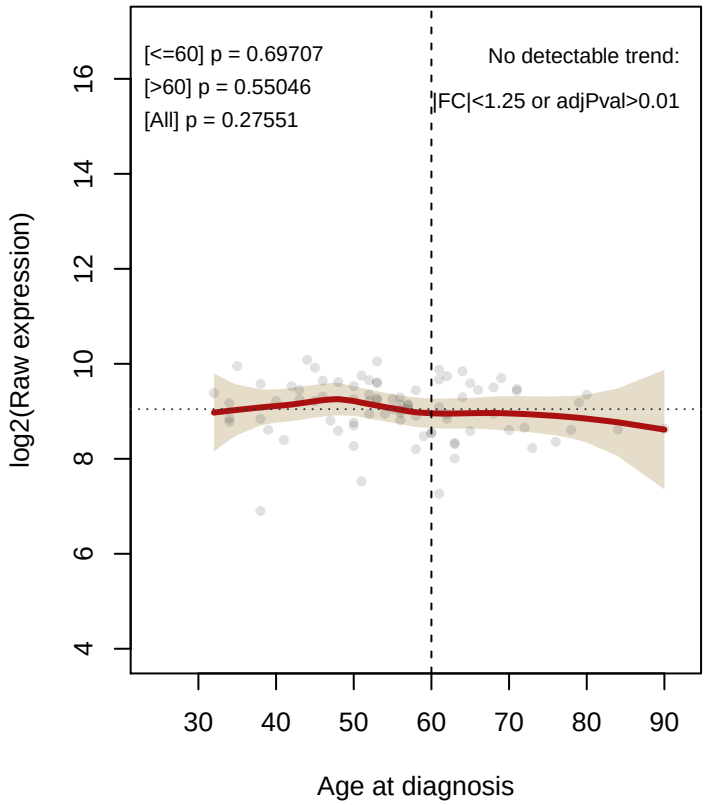

SP1 (non−ER binding)
[<=60] p = 0.51032
[>60] p = 0.22741
[All] p = 0.94066
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
SRC (non−ER binding)
[<=60] p = 0.52726
[>60] p = 0.7191
[All] p = 0.39827
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
STAT1 (ER binding)
[<=60] p = 0.79675
[>60] p = 0.93964
[All] p = 0.99917
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
STAT3 (non−ER binding)
[<=60] p = 0.45248
[>60] p = 0.26619
[All] p = 0.7341
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


STAT6 (non−ER binding)
[<=60] p = 0.58095
[>60] p = 0.97396
[All] p = 0.19333
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
SUZ12 (non−ER binding)
[<=60] p = 0.93485
[>60] p = 0.52174
[All] p = 0.1707
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
TCF3 (non−ER binding)
[<=60] p = 0.1448
[>60] p = 0.26188
[All] p = 0.98651
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
TCF7 (non−ER binding)
[<=60] p = 0.71667
[>60] p = 0.55537
[All] p = 0.045395
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

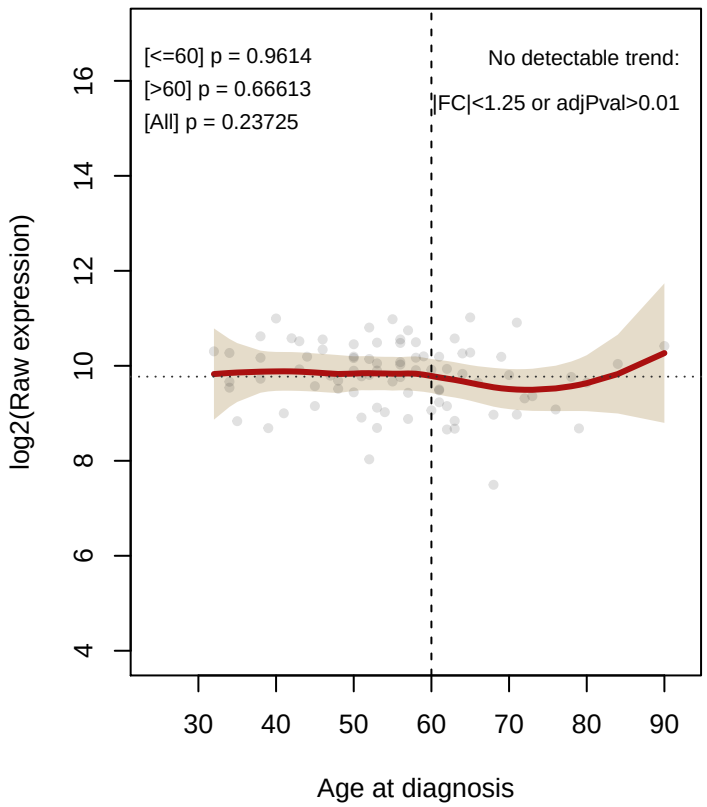
TCF7L1 (ER binding)



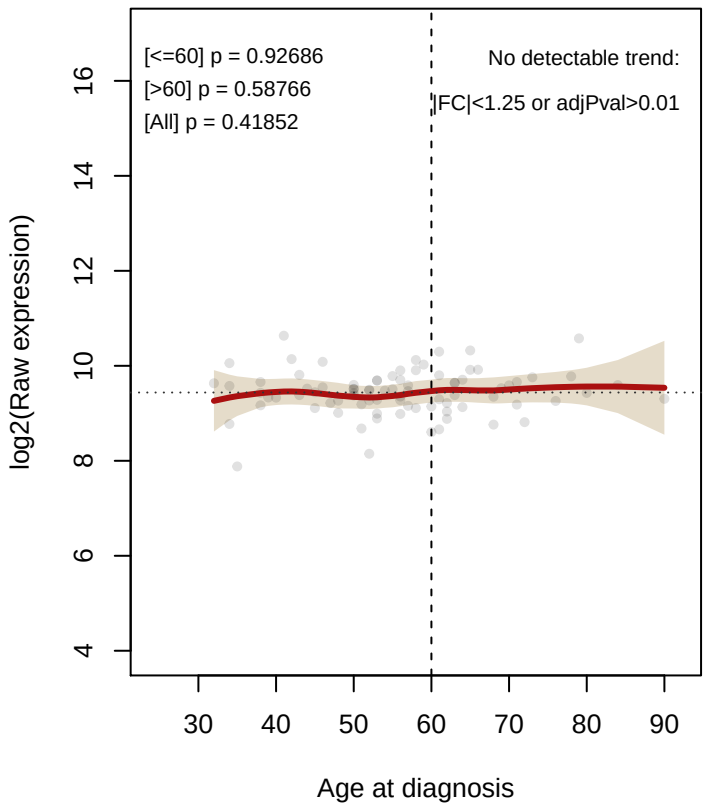
TCF7L2 (non−ER binding)

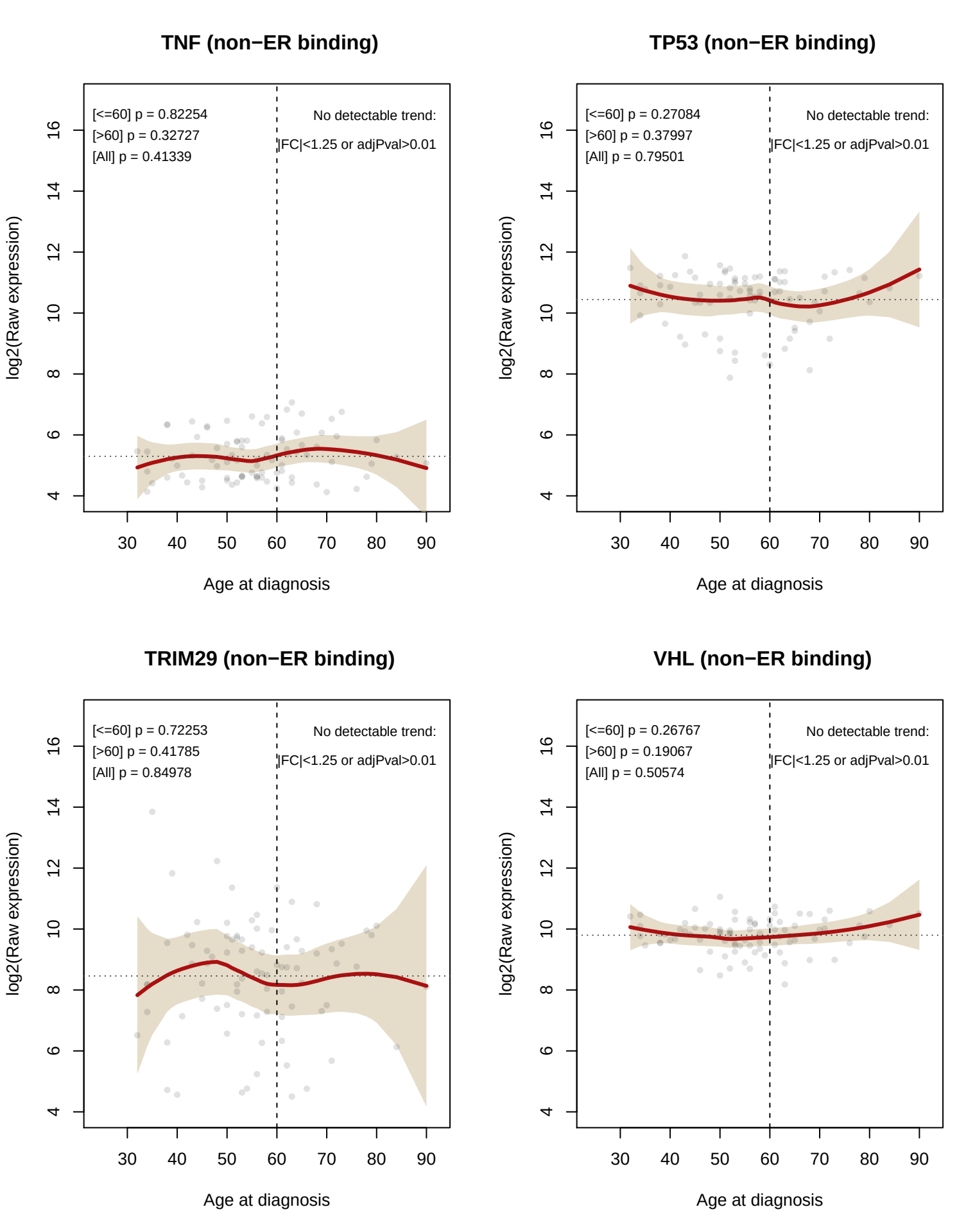


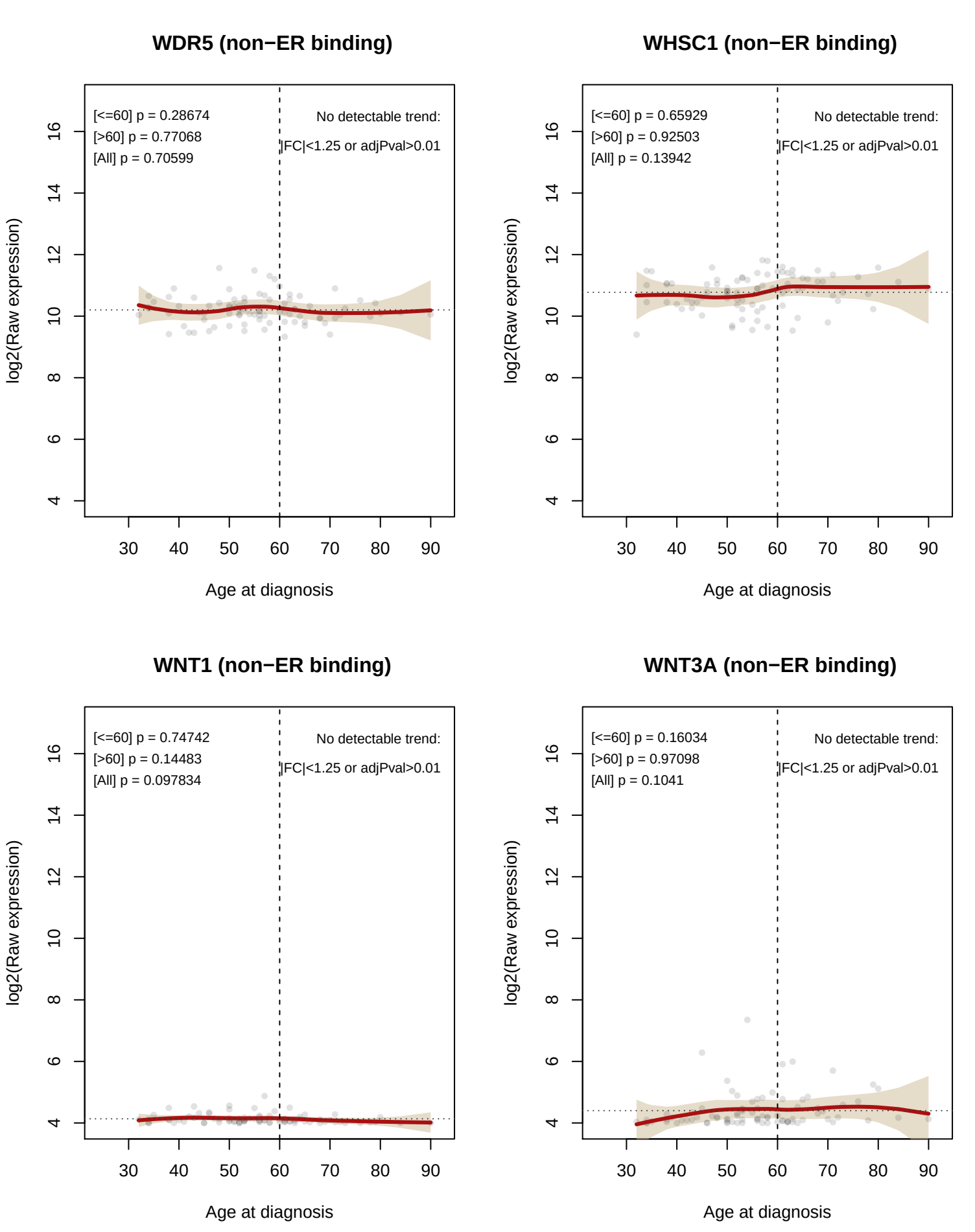
TGFB1 (non−ER binding)

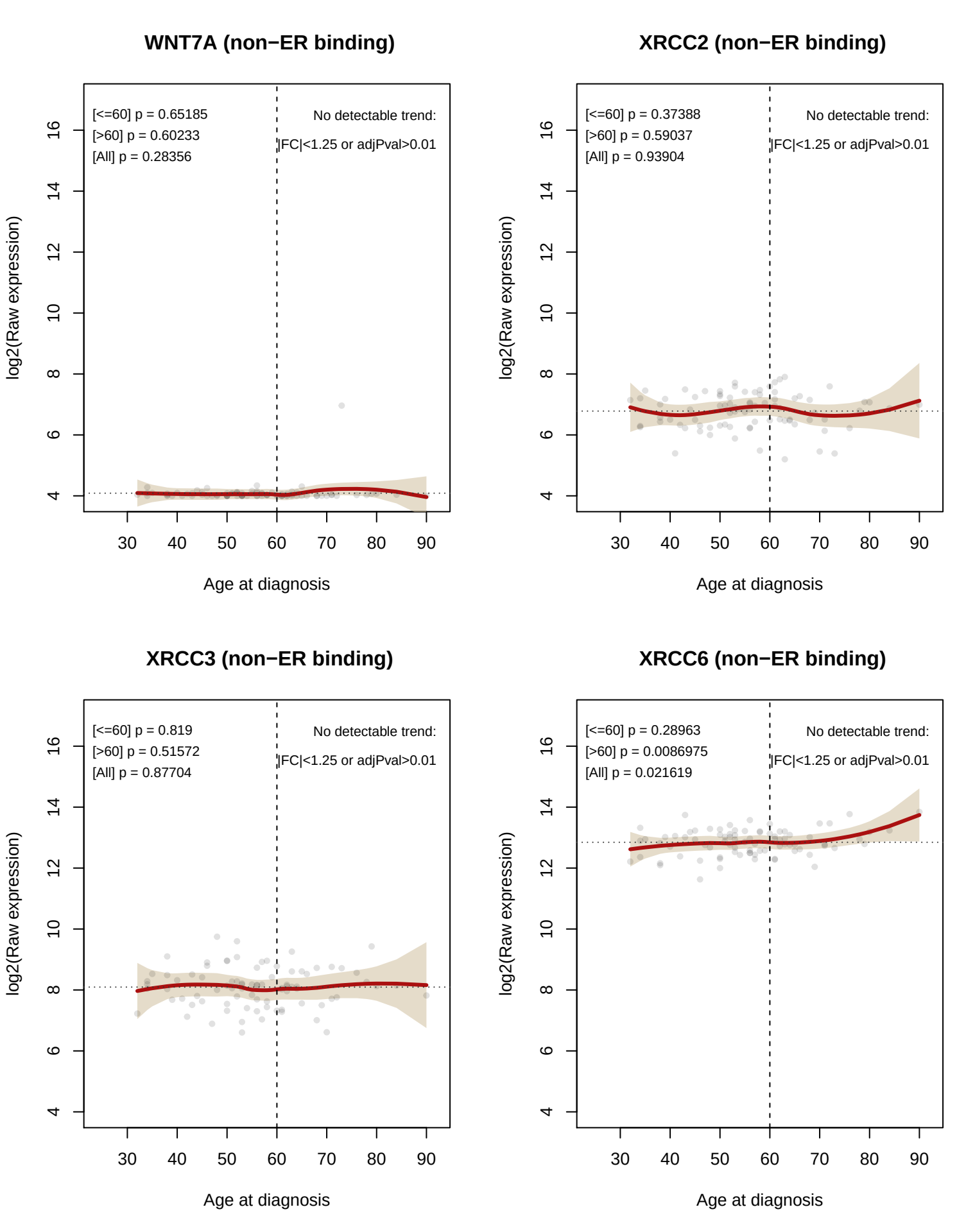


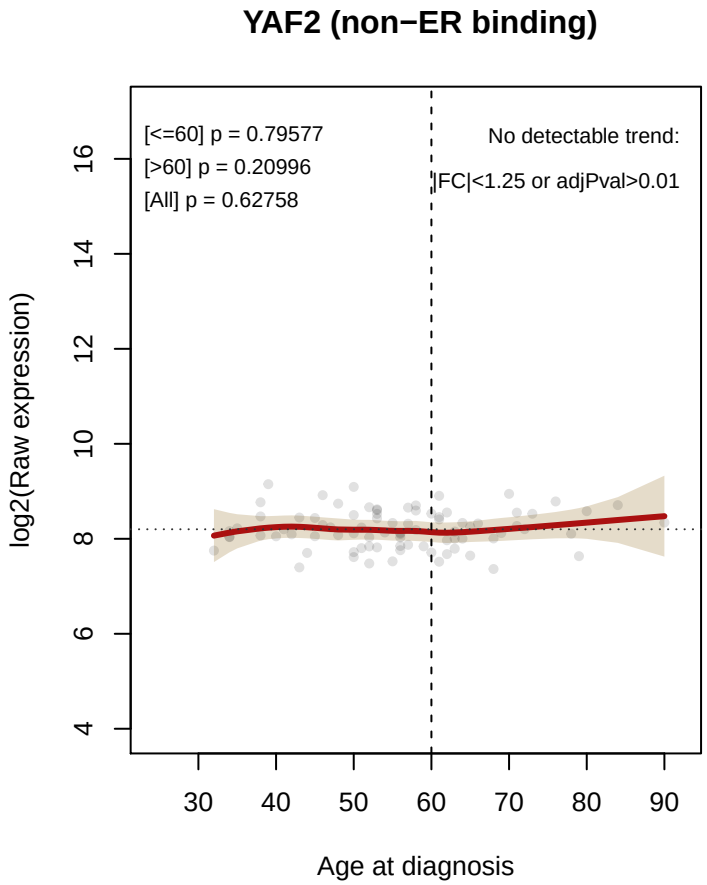
TK2 (non−ER binding)

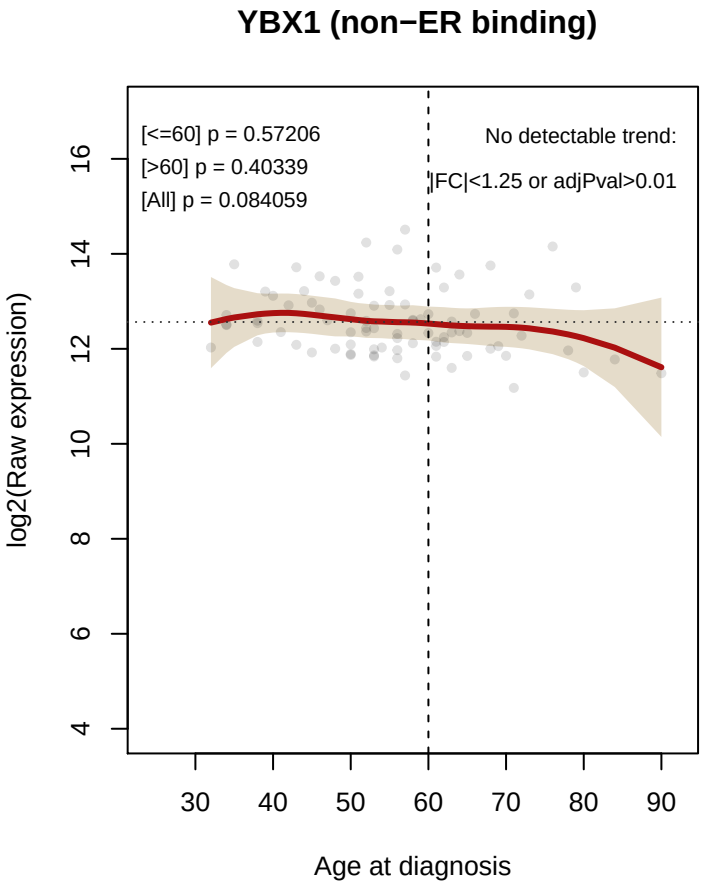


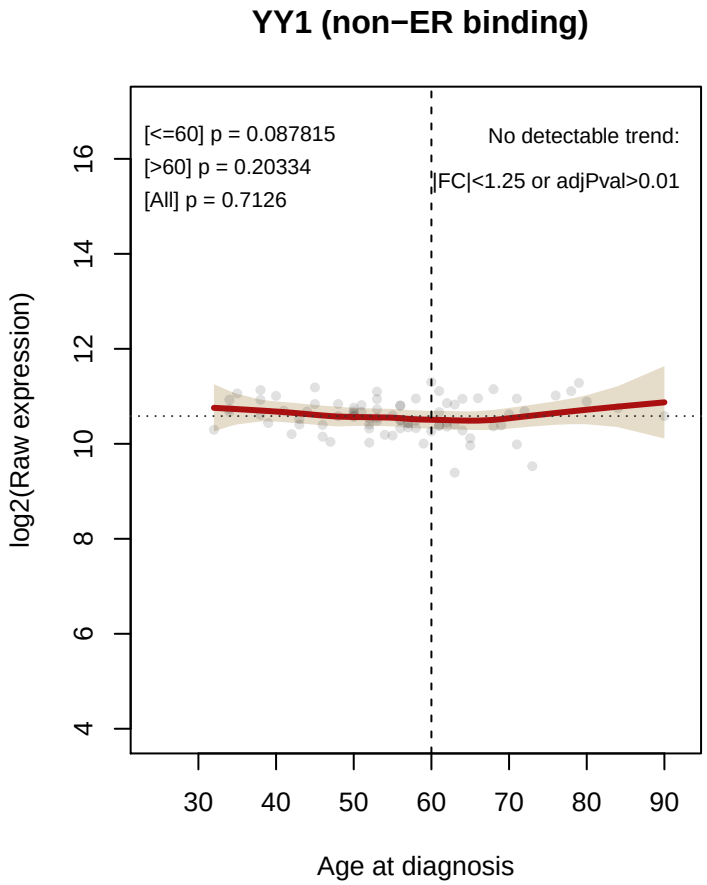

TNF (non−ER binding)
[<=60] p = 0.82254
[>60] p = 0.32727
[All] p = 0.41339
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
TP53 (non−ER binding)
[<=60] p = 0.27084
[>60] p = 0.37997
[All] p = 0.79501
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
TRIM29 (non−ER binding)
[<=60] p = 0.72253
[>60] p = 0.41785
[All] p = 0.84978
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
VHL (non−ER binding)
[<=60] p = 0.26767
[>60] p = 0.19067
[All] p = 0.50574
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


WDR5 (non−ER binding)
[<=60] p = 0.28674
[>60] p = 0.77068
[All] p = 0.70599
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
WHSC1 (non−ER binding)
[<=60] p = 0.65929
[>60] p = 0.92503
[All] p = 0.13942
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
WNT1 (non−ER binding)
[<=60] p = 0.74742
[>60] p = 0.14483
[All] p = 0.097834
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
WNT3A (non−ER binding)
[<=60] p = 0.16034
[>60] p = 0.97098
[All] p = 0.1041
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


WNT7A (non−ER binding)
[<=60] p = 0.65185
[>60] p = 0.60233
[All] p = 0.28356
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
XRCC2 (non−ER binding)
[<=60] p = 0.37388
[>60] p = 0.59037
[All] p = 0.93904
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
XRCC3 (non−ER binding)
[<=60] p = 0.819
[>60] p = 0.51572
[All] p = 0.87704
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
XRCC6 (non−ER binding)
[<=60] p = 0.28963
[>60] p = 0.0086975
[All] p = 0.021619
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


YAF2 (non−ER binding)
[<=60] p = 0.79577
[>60] p = 0.20996
[All] p = 0.62758
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


YBX1 (non−ER binding)
[<=60] p = 0.57206
[>60] p = 0.40339
[All] p = 0.084059
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


YY1 (non−ER binding)
[<=60] p = 0.087815
[>60] p = 0.20334
[All] p = 0.7126
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis