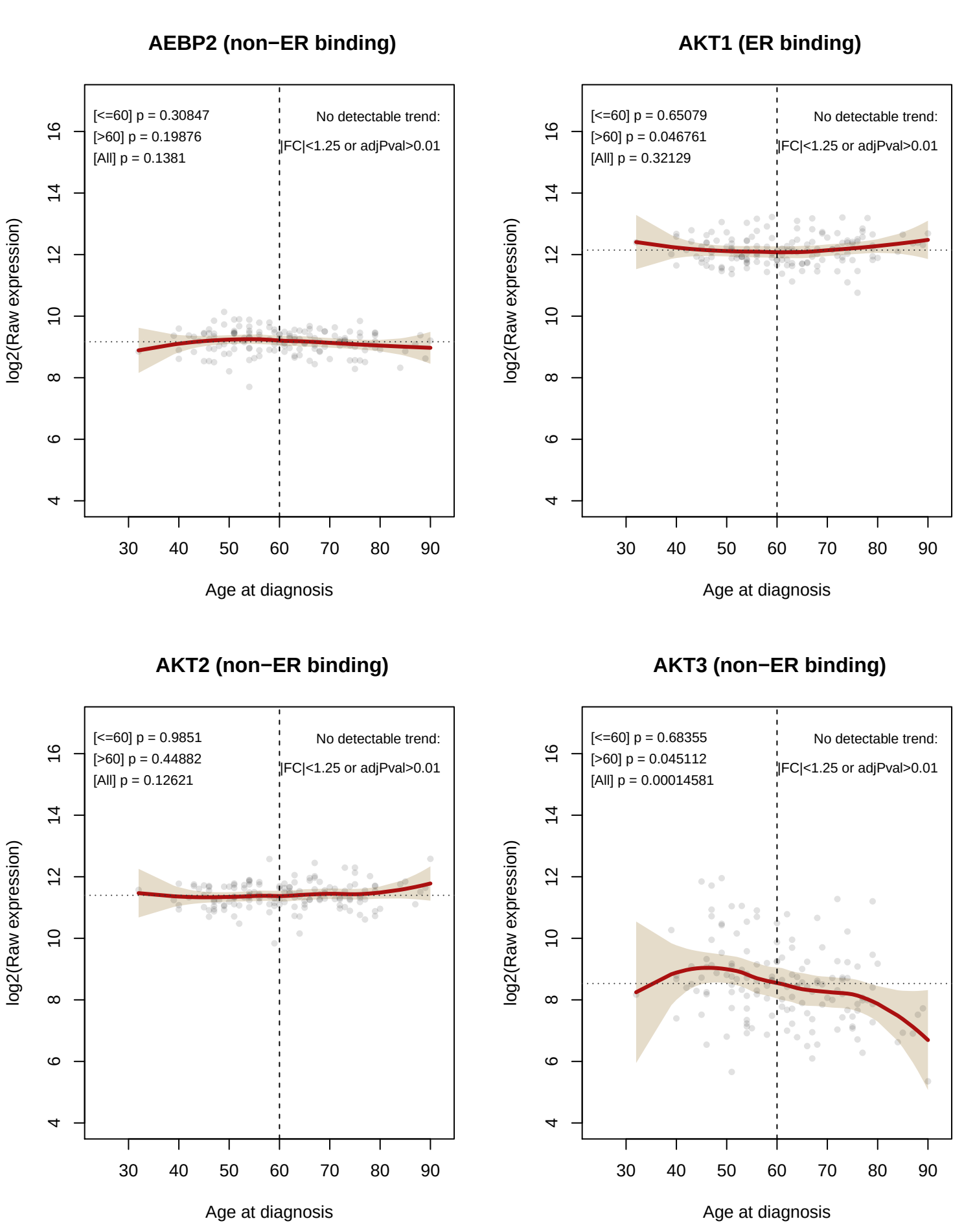
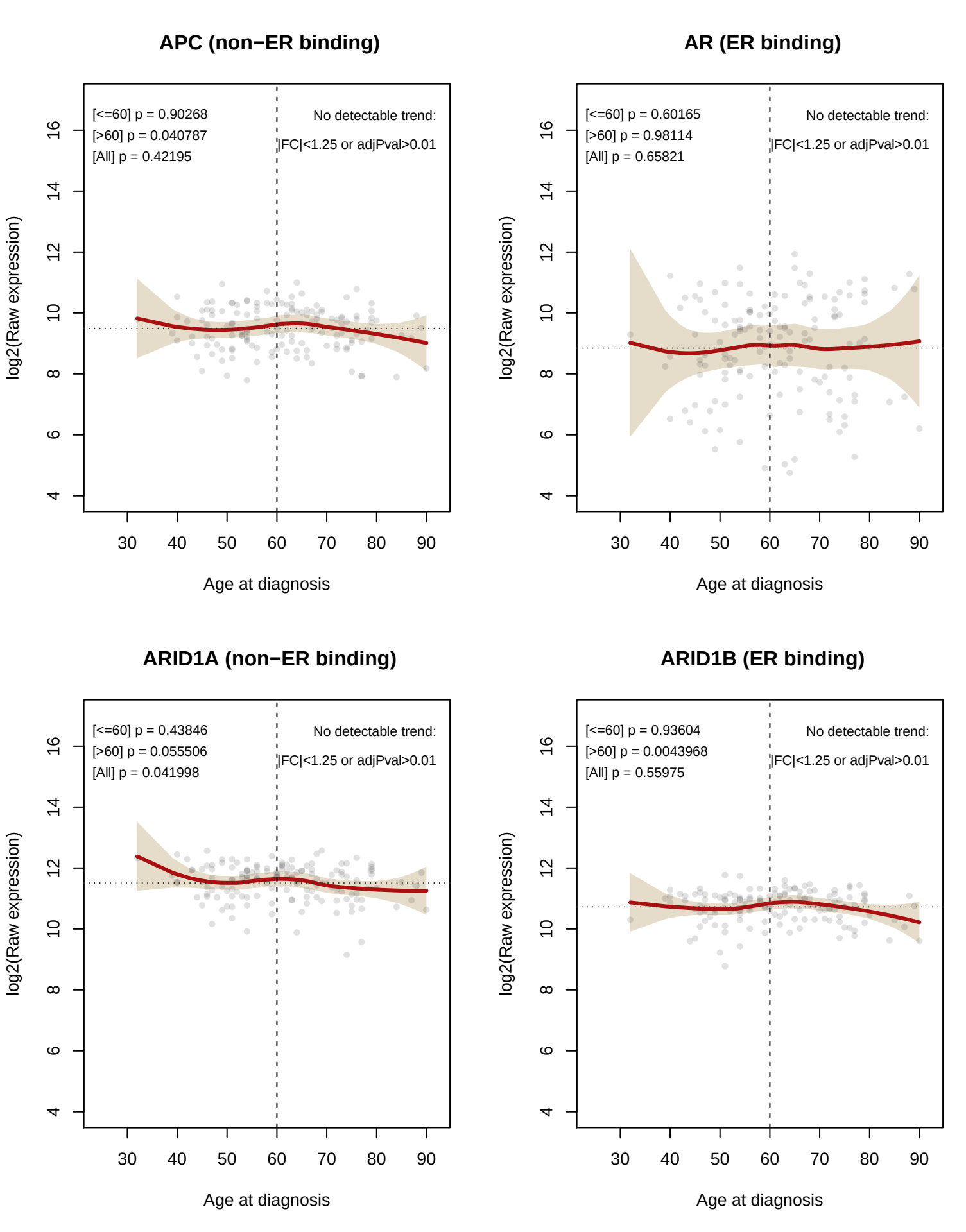
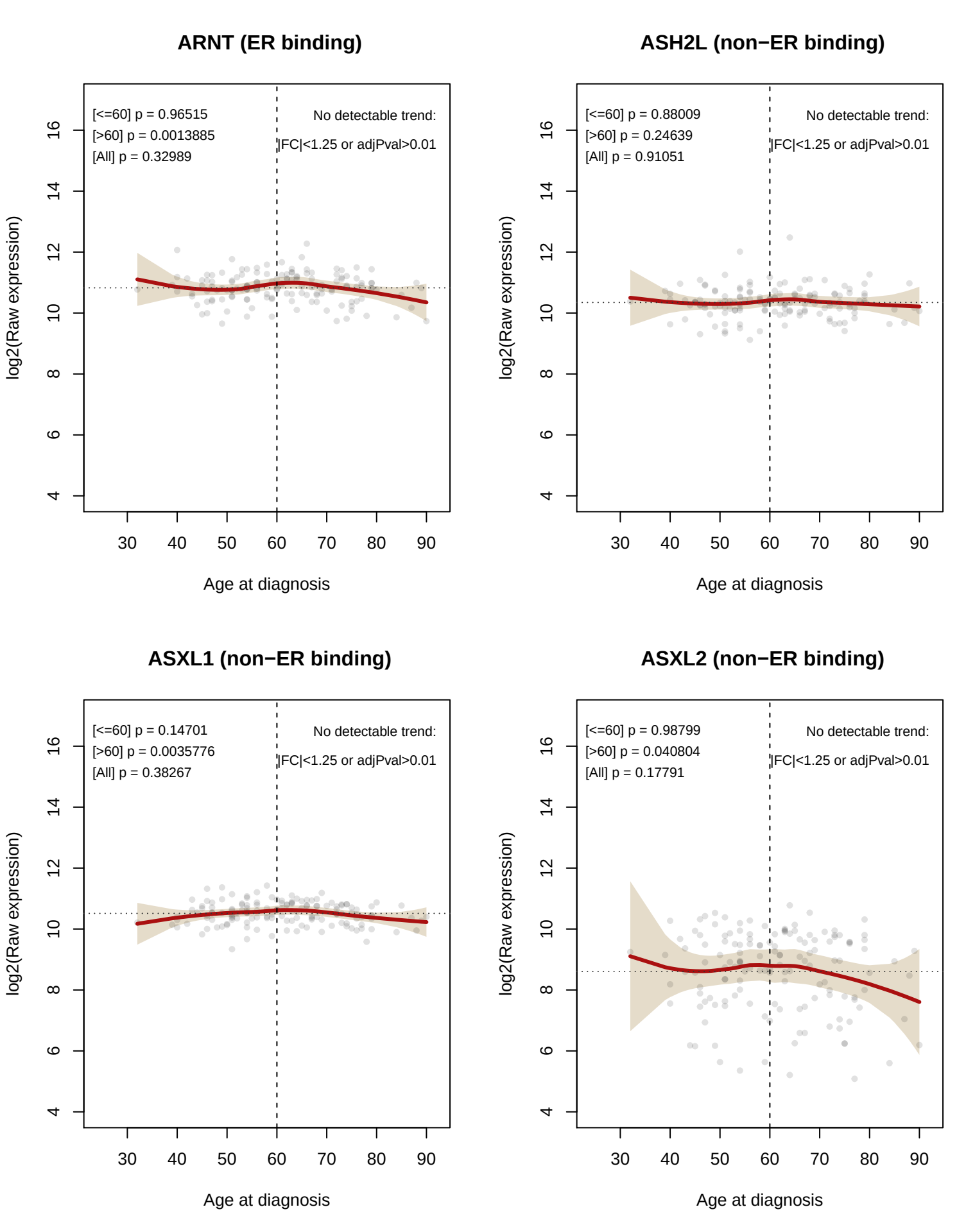
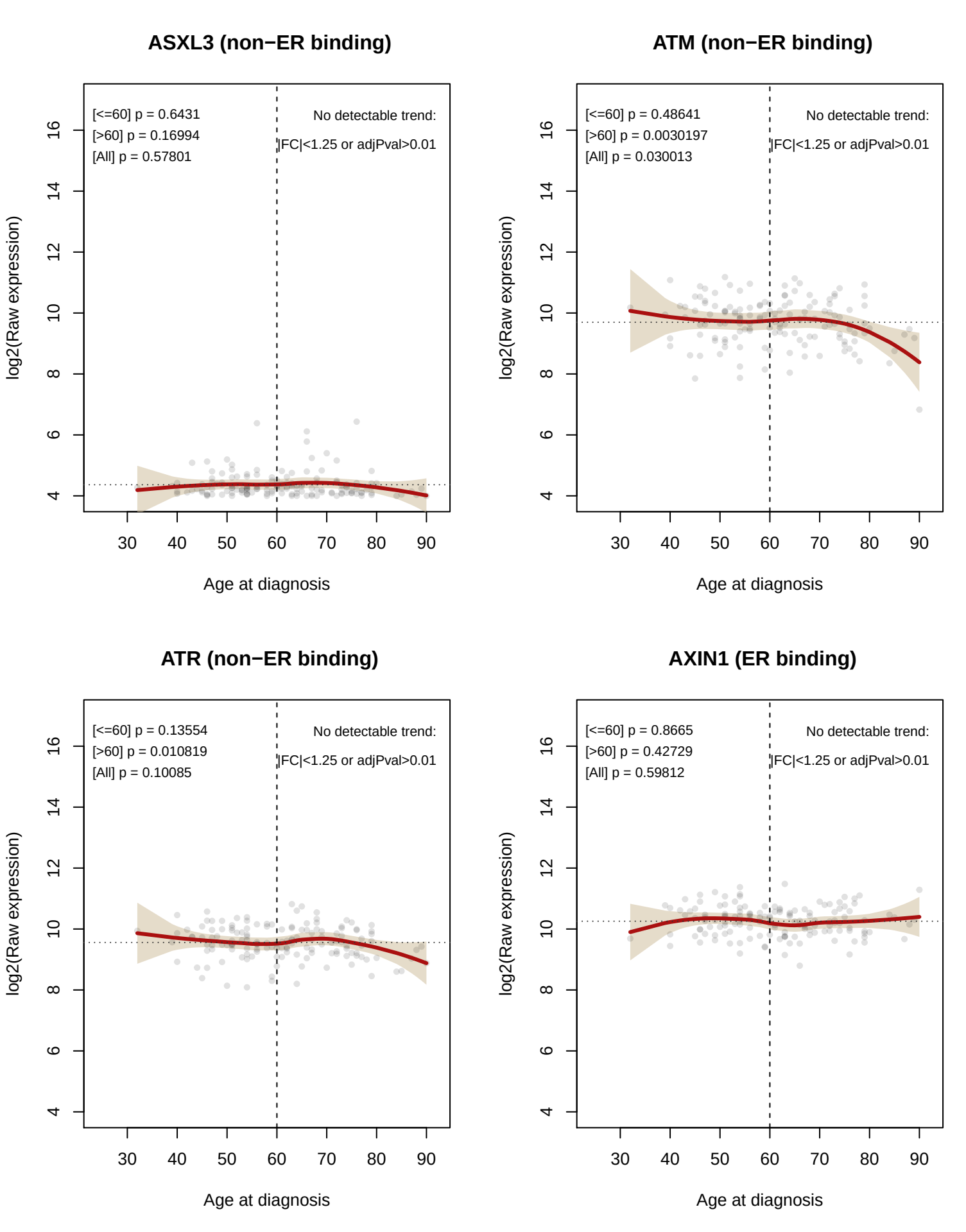
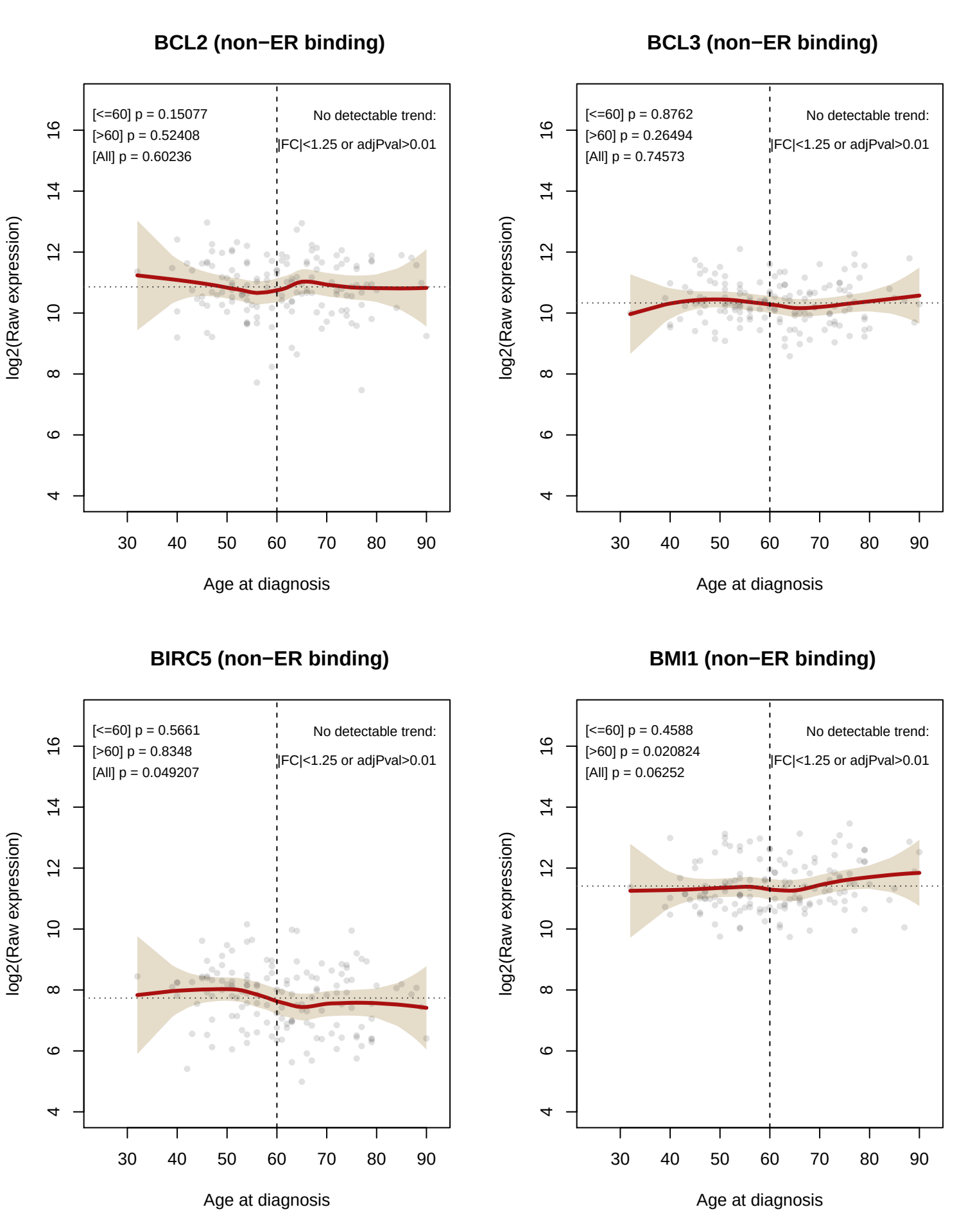
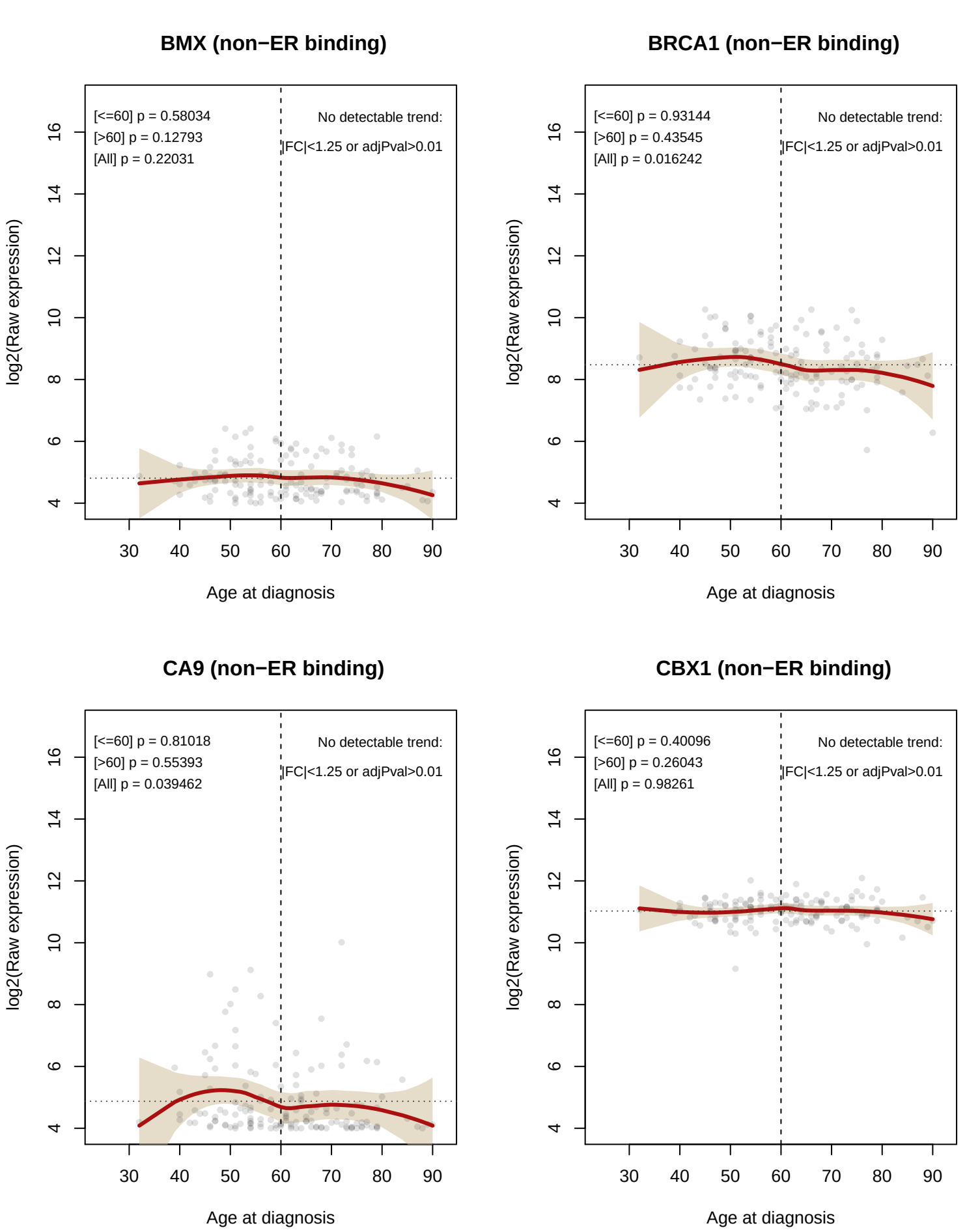

AEBP2 (non−ER binding)
[<=60] p = 0.30847
[>60] p = 0.19876
[All] p = 0.1381
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
AKT1 (ER binding)
[<=60] p = 0.65079
[>60] p = 0.046761
[All] p = 0.32129
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
AKT2 (non−ER binding)
[<=60] p = 0.9851
[>60] p = 0.44882
[All] p = 0.12621
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
AKT3 (non−ER binding)
[<=60] p = 0.68355
[>60] p = 0.045112
[All] p = 0.00014581
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

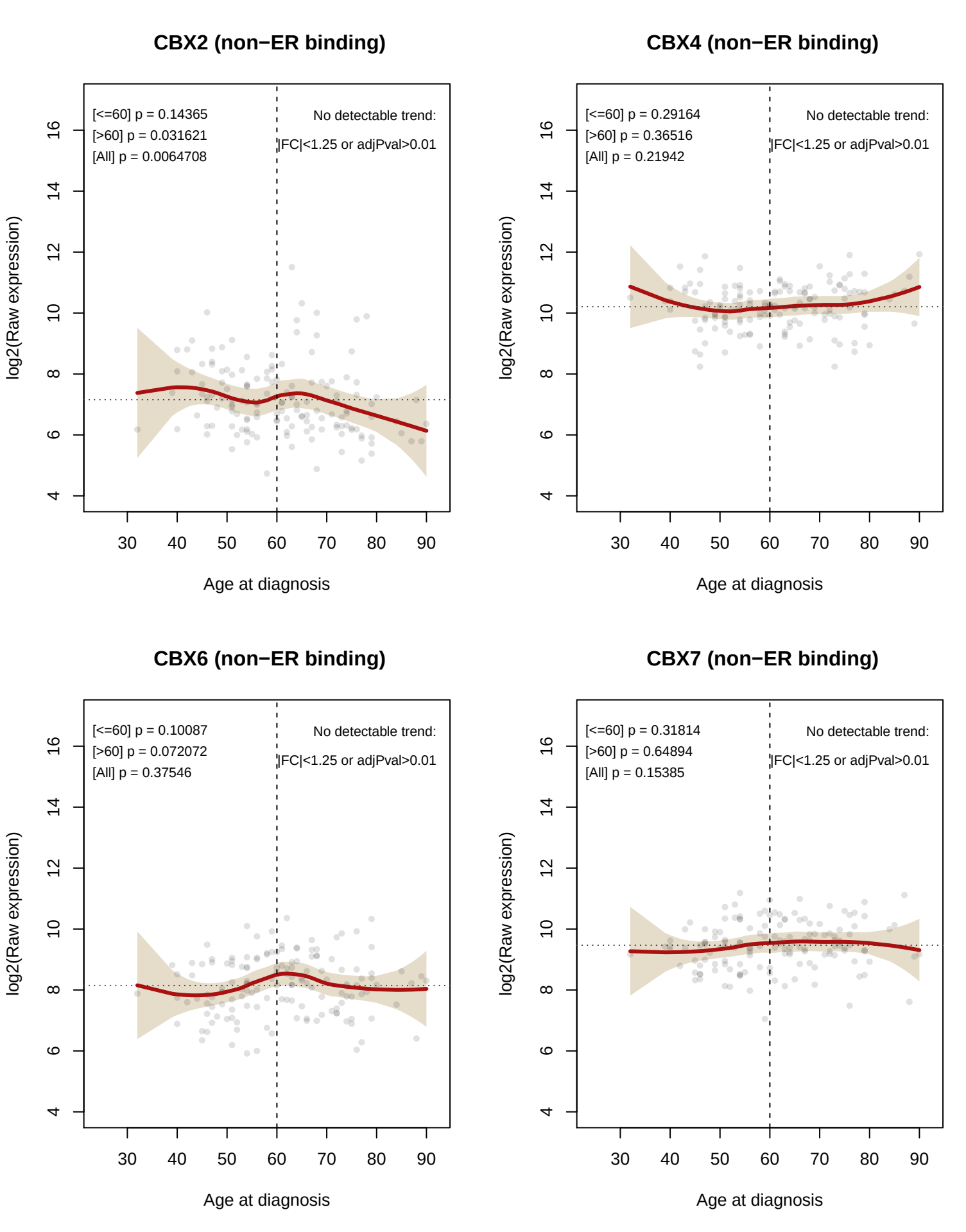

APC (non−ER binding)
[<=60] p = 0.90268
[>60] p = 0.040787
[All] p = 0.42195
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
AR (ER binding)
[<=60] p = 0.60165
[>60] p = 0.98114
[All] p = 0.65821
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
ARID1A (non−ER binding)
[<=60] p = 0.43846
[>60] p = 0.055506
[All] p = 0.041998
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
ARID1B (ER binding)
[<=60] p = 0.93604
[>60] p = 0.0043968
[All] p = 0.55975
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

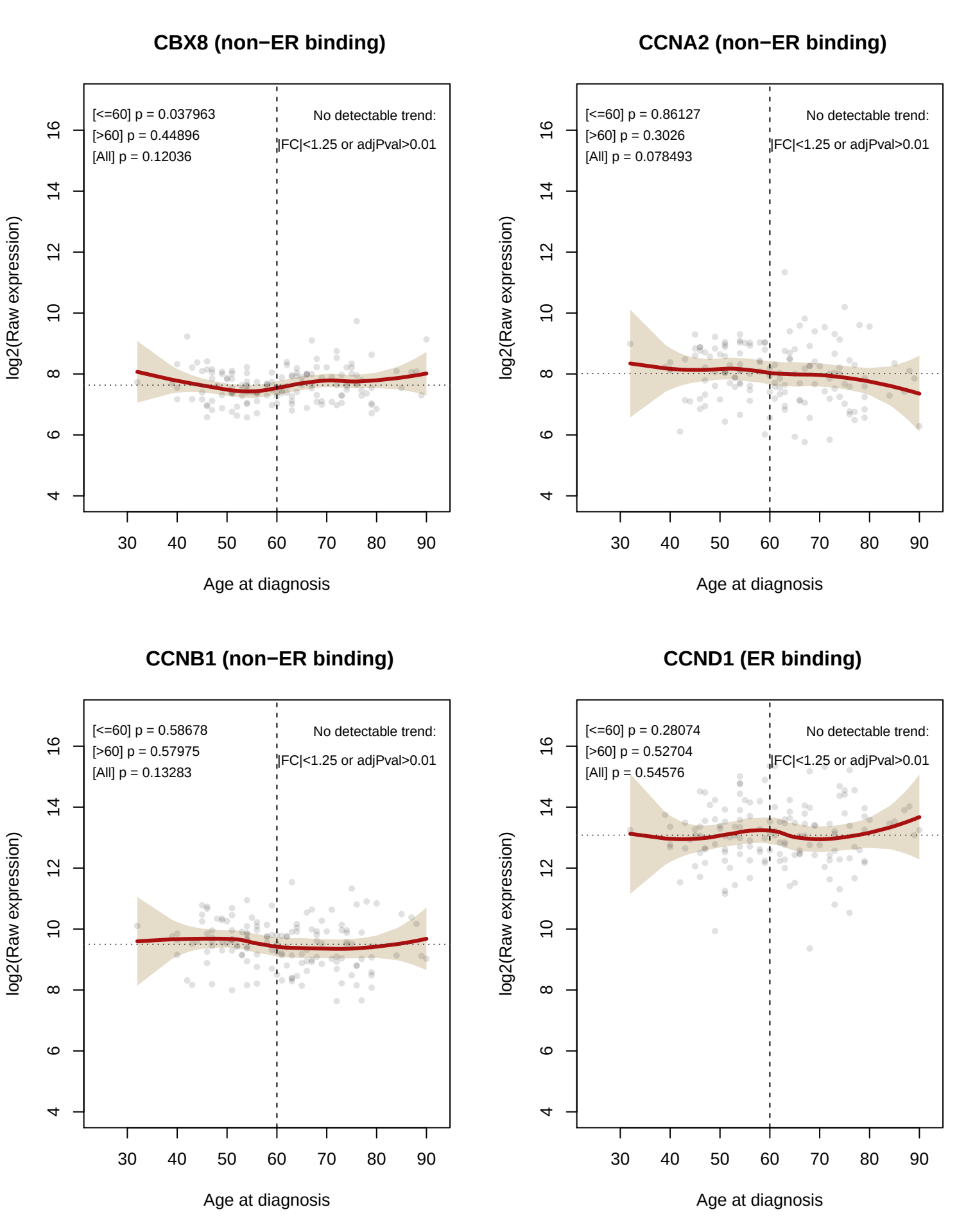

ARNT (ER binding)
[<=60] p = 0.96515
[>60] p = 0.0013885
[All] p = 0.32989
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
ASH2L (non−ER binding)
[<=60] p = 0.88009
[>60] p = 0.24639
[All] p = 0.91051
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
ASXL1 (non−ER binding)
[<=60] p = 0.14701
[>60] p = 0.0035776
[All] p = 0.38267
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
ASXL2 (non−ER binding)
[<=60] p = 0.98799
[>60] p = 0.040804
[All] p = 0.17791
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

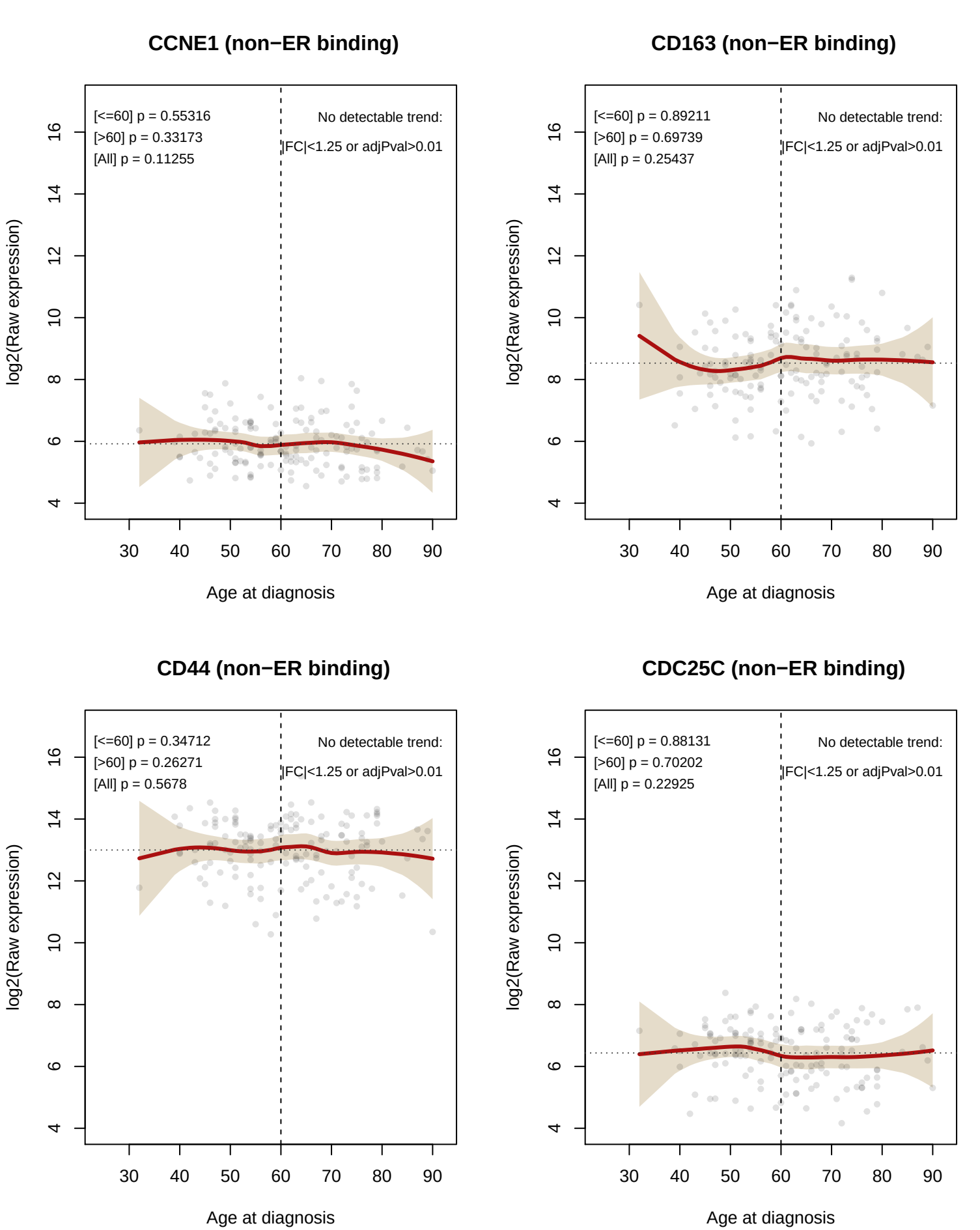

ASXL3 (non−ER binding)
[<=60] p = 0.6431
[>60] p = 0.16994
[All] p = 0.57801
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
ATM (non−ER binding)
[<=60] p = 0.48641
[>60] p = 0.0030197
[All] p = 0.030013
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
ATR (non−ER binding)
[<=60] p = 0.13554
[>60] p = 0.010819
[All] p = 0.10085
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
AXIN1 (ER binding)
[<=60] p = 0.8665
[>60] p = 0.42729
[All] p = 0.59812
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

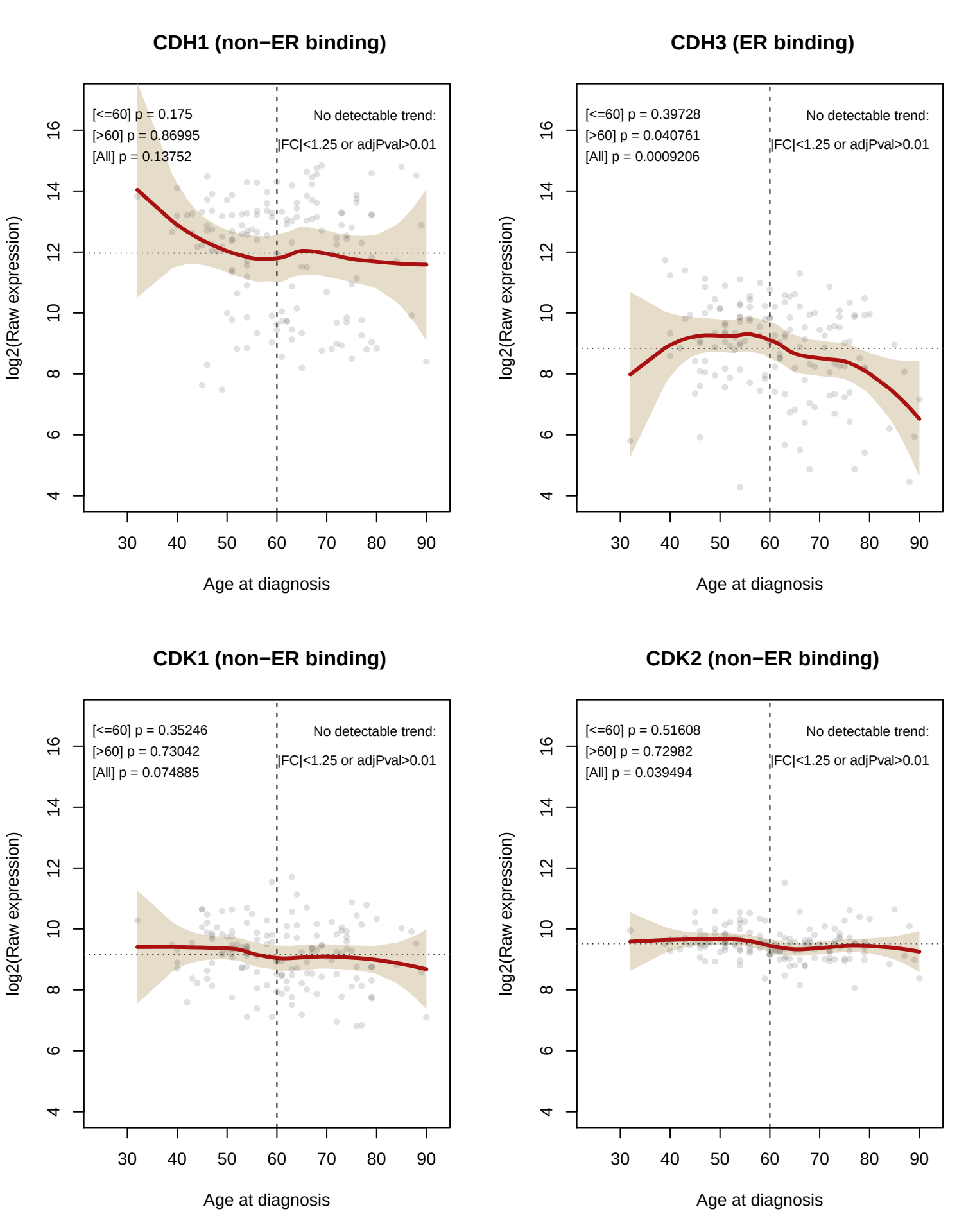

BCL2 (non−ER binding)
[<=60] p = 0.15077
[>60] p = 0.52408
[All] p = 0.60236
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
BCL3 (non−ER binding)
[<=60] p = 0.8762
[>60] p = 0.26494
[All] p = 0.74573
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
BIRC5 (non−ER binding)
[<=60] p = 0.5661
[>60] p = 0.8348
[All] p = 0.049207
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
BMI1 (non−ER binding)
[<=60] p = 0.4588
[>60] p = 0.020824
[All] p = 0.06252
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

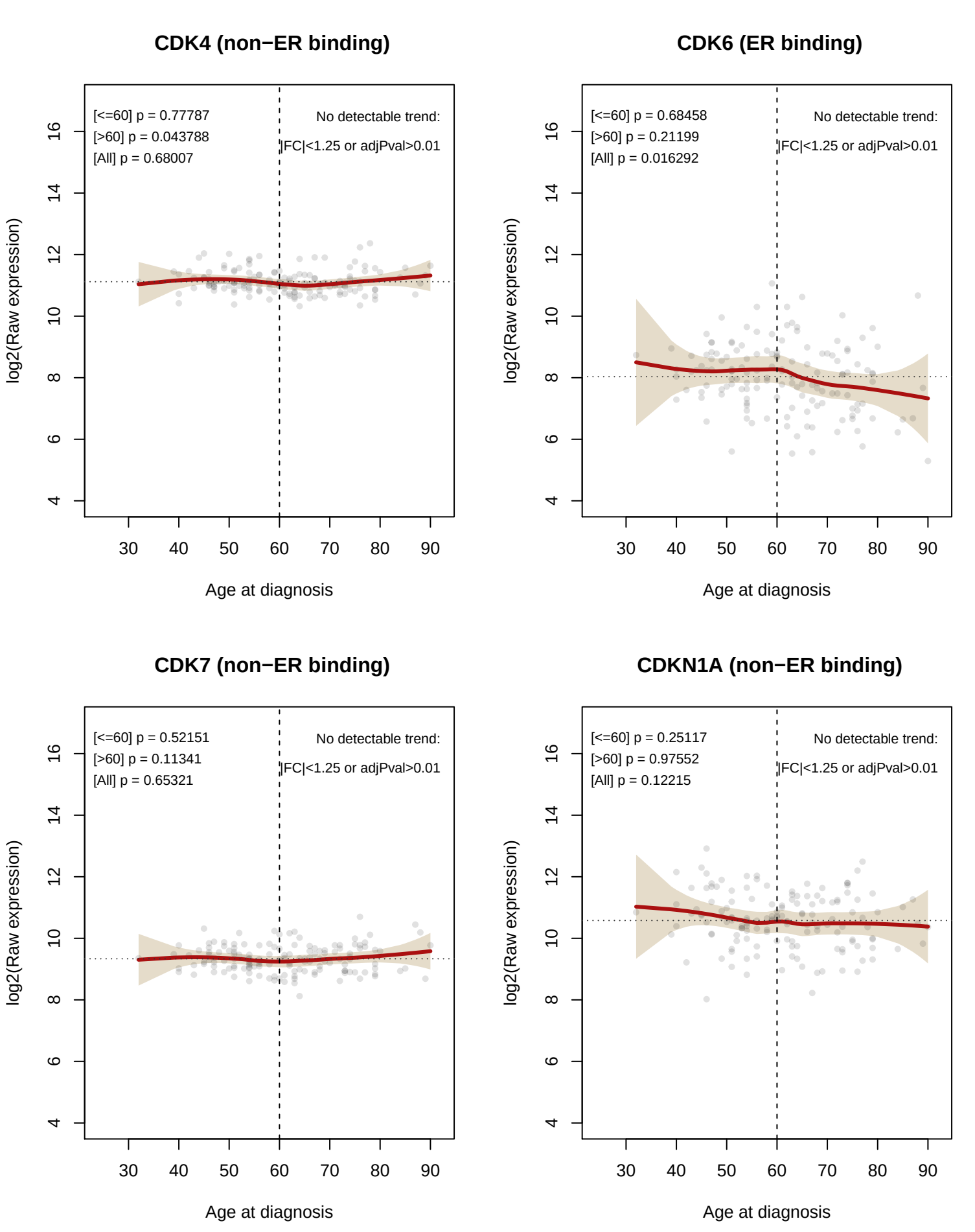

BMX (non−ER binding)
[<=60] p = 0.58034
[>60] p = 0.12793
[All] p = 0.22031
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
BRCA1 (non−ER binding)
[<=60] p = 0.93144
[>60] p = 0.43545
[All] p = 0.016242
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CA9 (non−ER binding)
[<=60] p = 0.81018
[>60] p = 0.55393
[All] p = 0.039462
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CBX1 (non−ER binding)
[<=60] p = 0.40096
[>60] p = 0.26043
[All] p = 0.98261
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

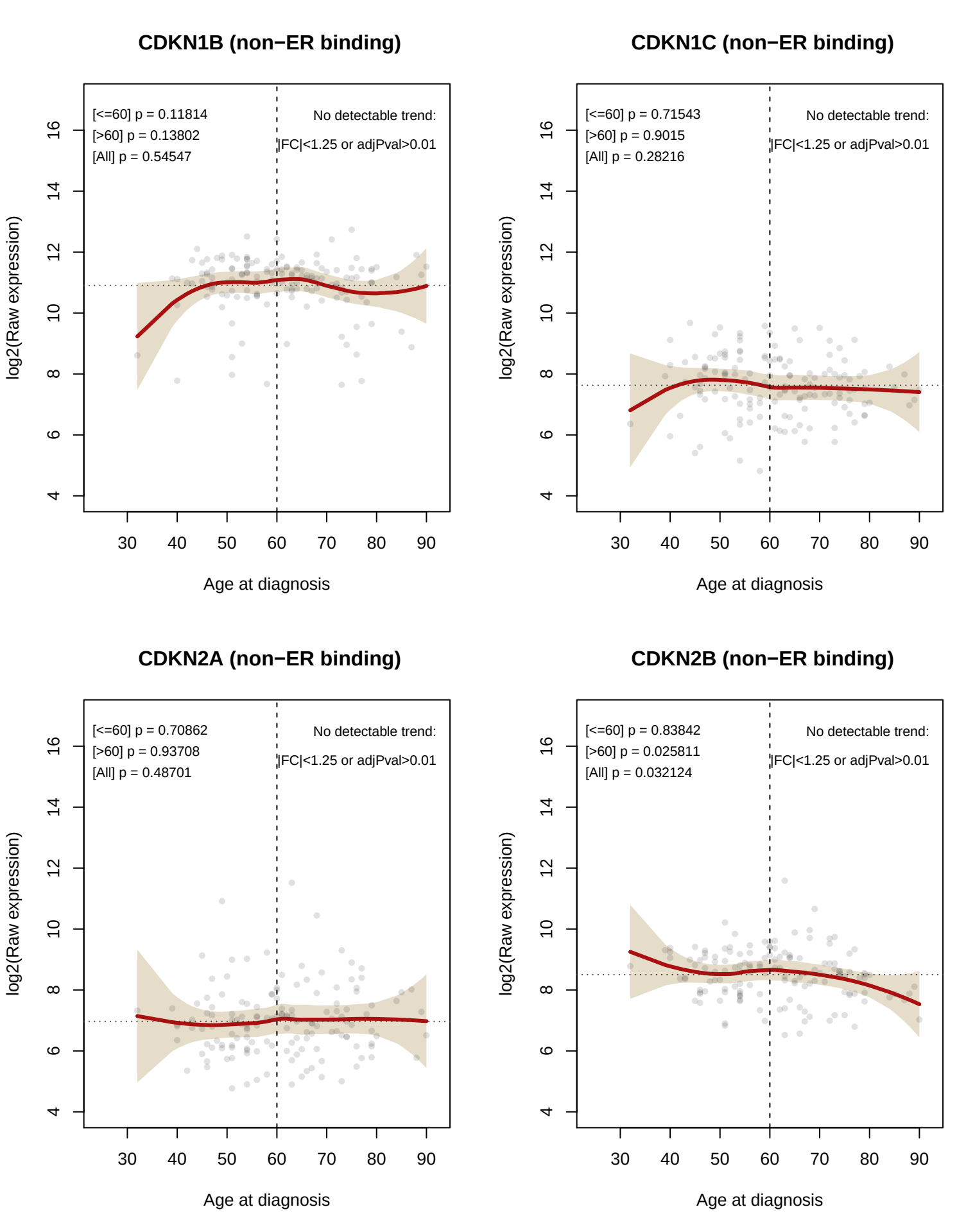

CBX2 (non−ER binding)
[<=60] p = 0.14365
[>60] p = 0.031621
[All] p = 0.0064708
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CBX4 (non−ER binding)
[<=60] p = 0.29164
[>60] p = 0.36516
[All] p = 0.21942
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CBX6 (non−ER binding)
[<=60] p = 0.10087
[>60] p = 0.072072
[All] p = 0.37546
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CBX7 (non−ER binding)
[<=60] p = 0.31814
[>60] p = 0.64894
[All] p = 0.15385
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

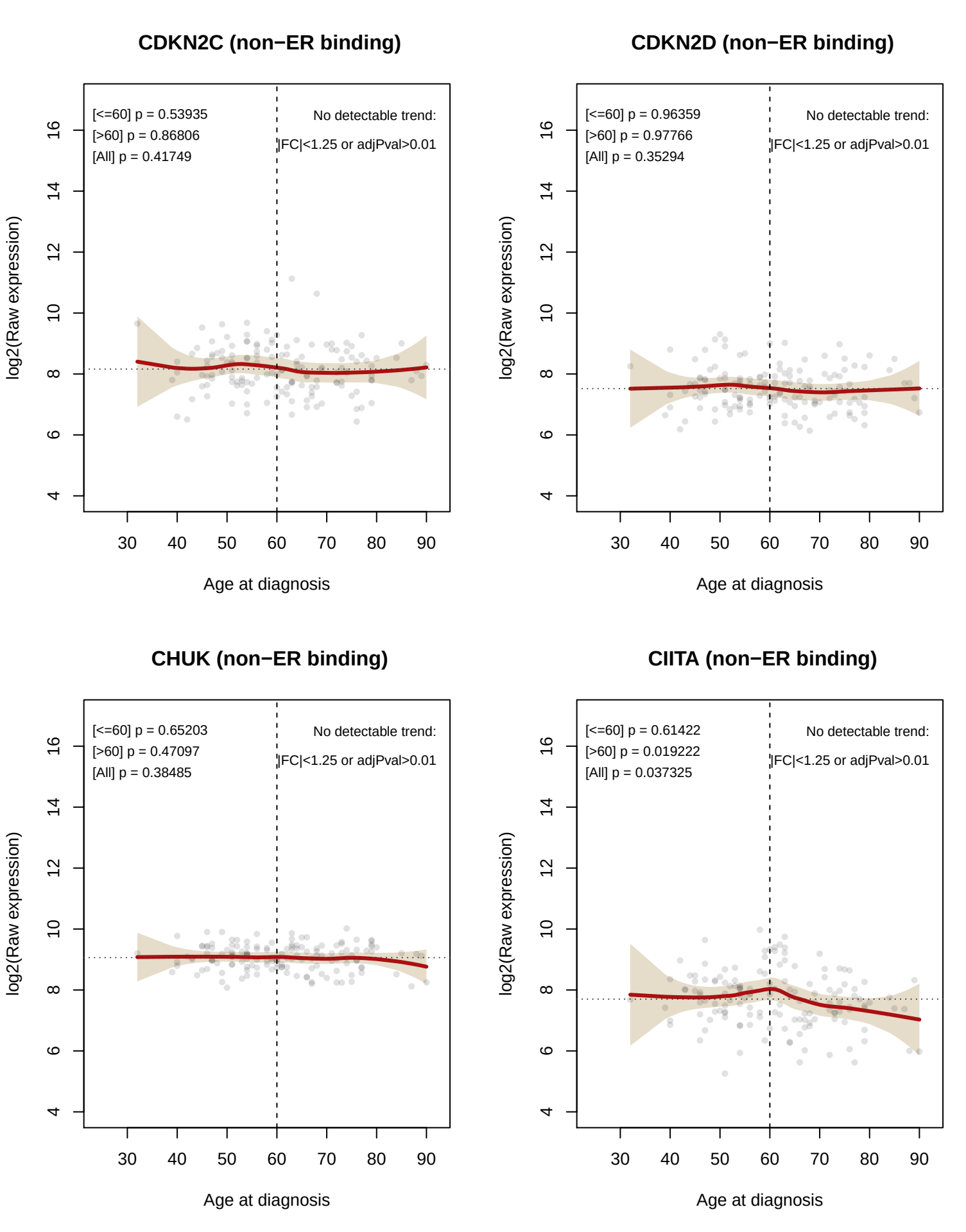

CBX8 (non−ER binding)
[<=60] p = 0.037963
[>60] p = 0.44896
[All] p = 0.12036
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CCNA2 (non−ER binding)
[<=60] p = 0.86127
[>60] p = 0.3026
[All] p = 0.078493
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CCNB1 (non−ER binding)
[<=60] p = 0.58678
[>60] p = 0.57975
[All] p = 0.13283
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CCND1 (ER binding)
[<=60] p = 0.28074
[>60] p = 0.52704
[All] p = 0.54576
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

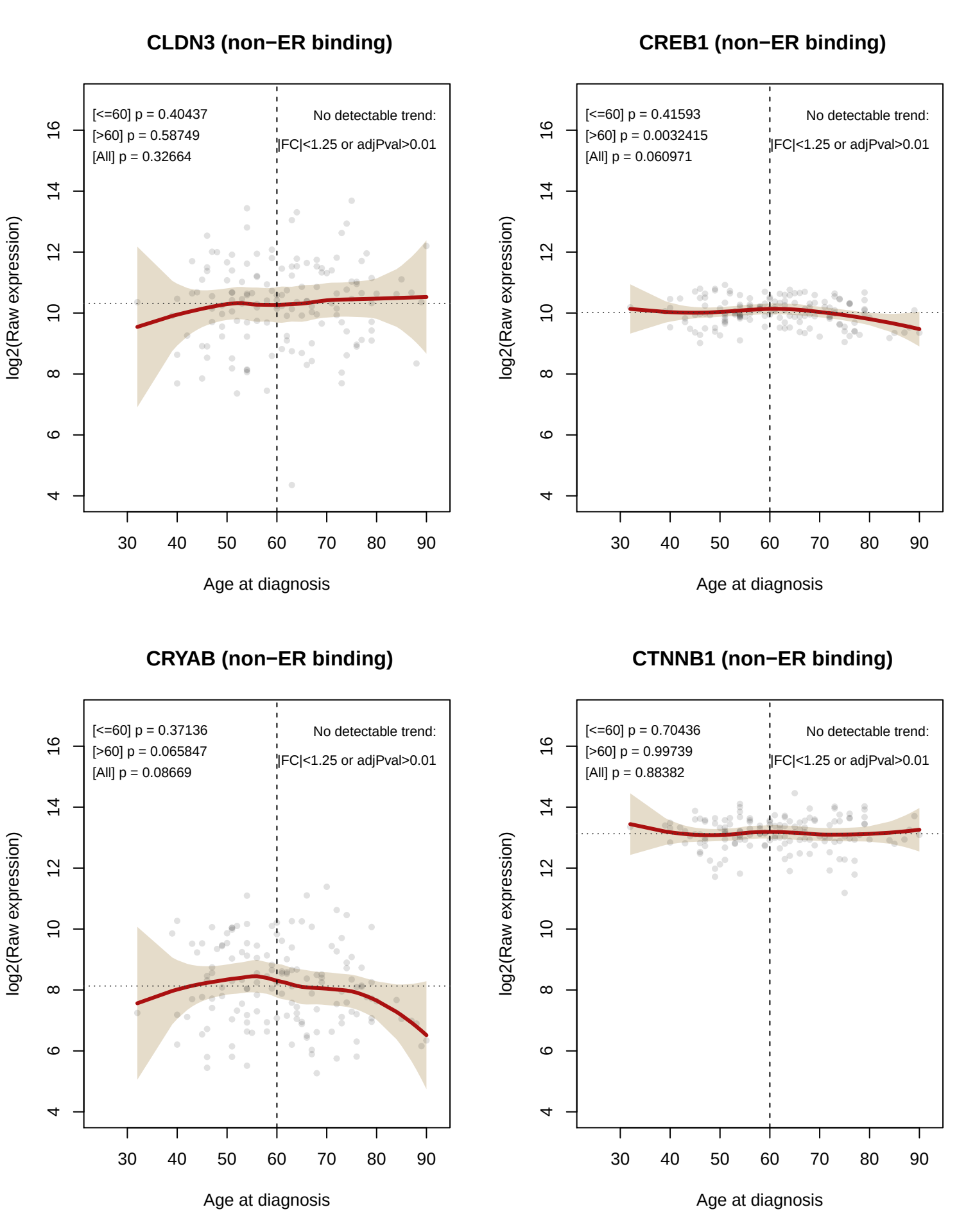

CCNE1 (non−ER binding)
[<=60] p = 0.55316
[>60] p = 0.33173
[All] p = 0.11255
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CD163 (non−ER binding)
[<=60] p = 0.89211
[>60] p = 0.69739
[All] p = 0.25437
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CD44 (non−ER binding)
[<=60] p = 0.34712
[>60] p = 0.26271
[All] p = 0.5678
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CDC25C (non−ER binding)
[<=60] p = 0.88131
[>60] p = 0.70202
[All] p = 0.22925
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

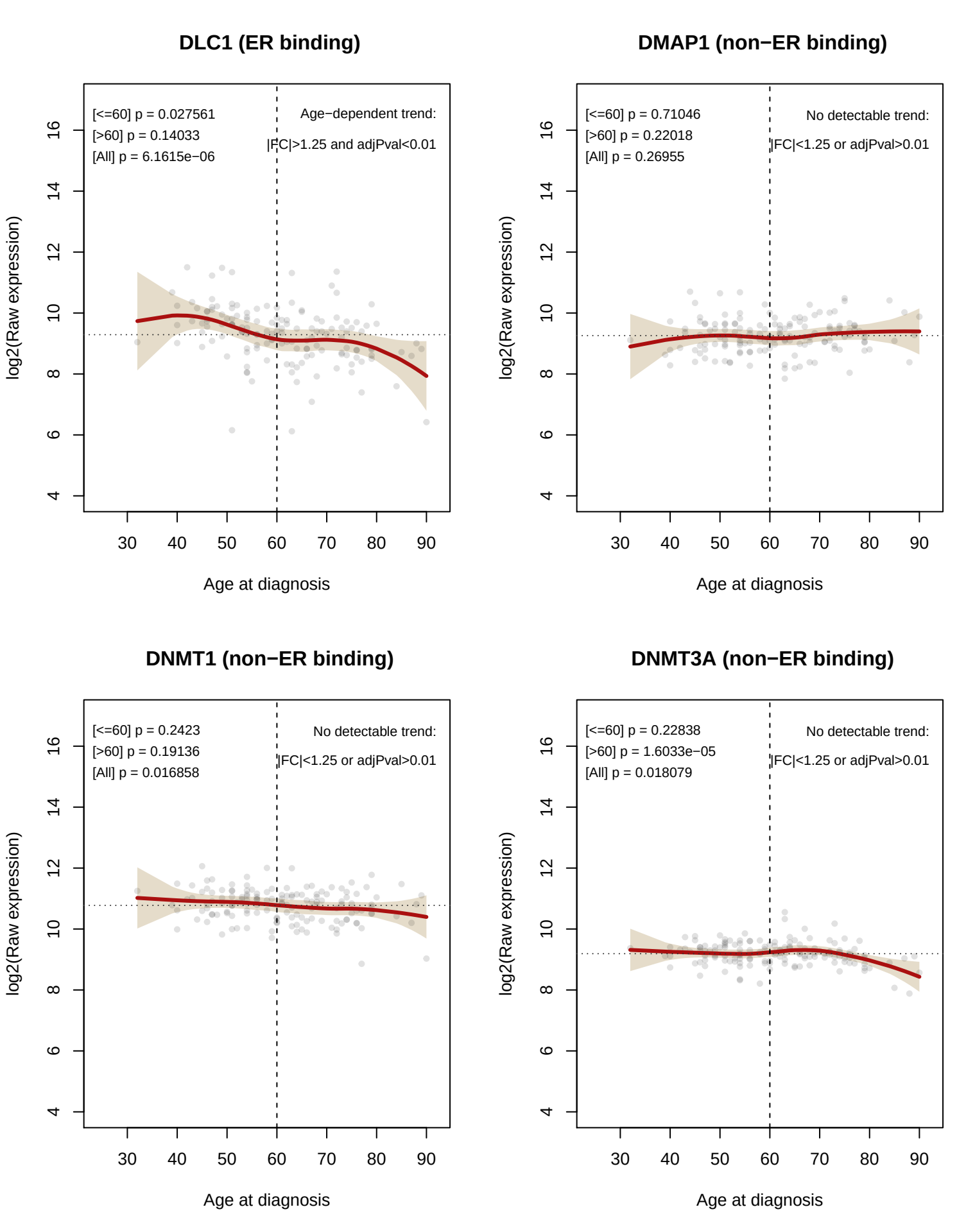

CDH1 (non−ER binding)
[<=60] p = 0.175
[>60] p = 0.86995
[All] p = 0.13752
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CDH3 (ER binding)
[<=60] p = 0.39728
[>60] p = 0.040761
[All] p = 0.0009206
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CDK1 (non−ER binding)
[<=60] p = 0.35246
[>60] p = 0.73042
[All] p = 0.074885
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CDK2 (non−ER binding)
[<=60] p = 0.51608
[>60] p = 0.72982
[All] p = 0.039494
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

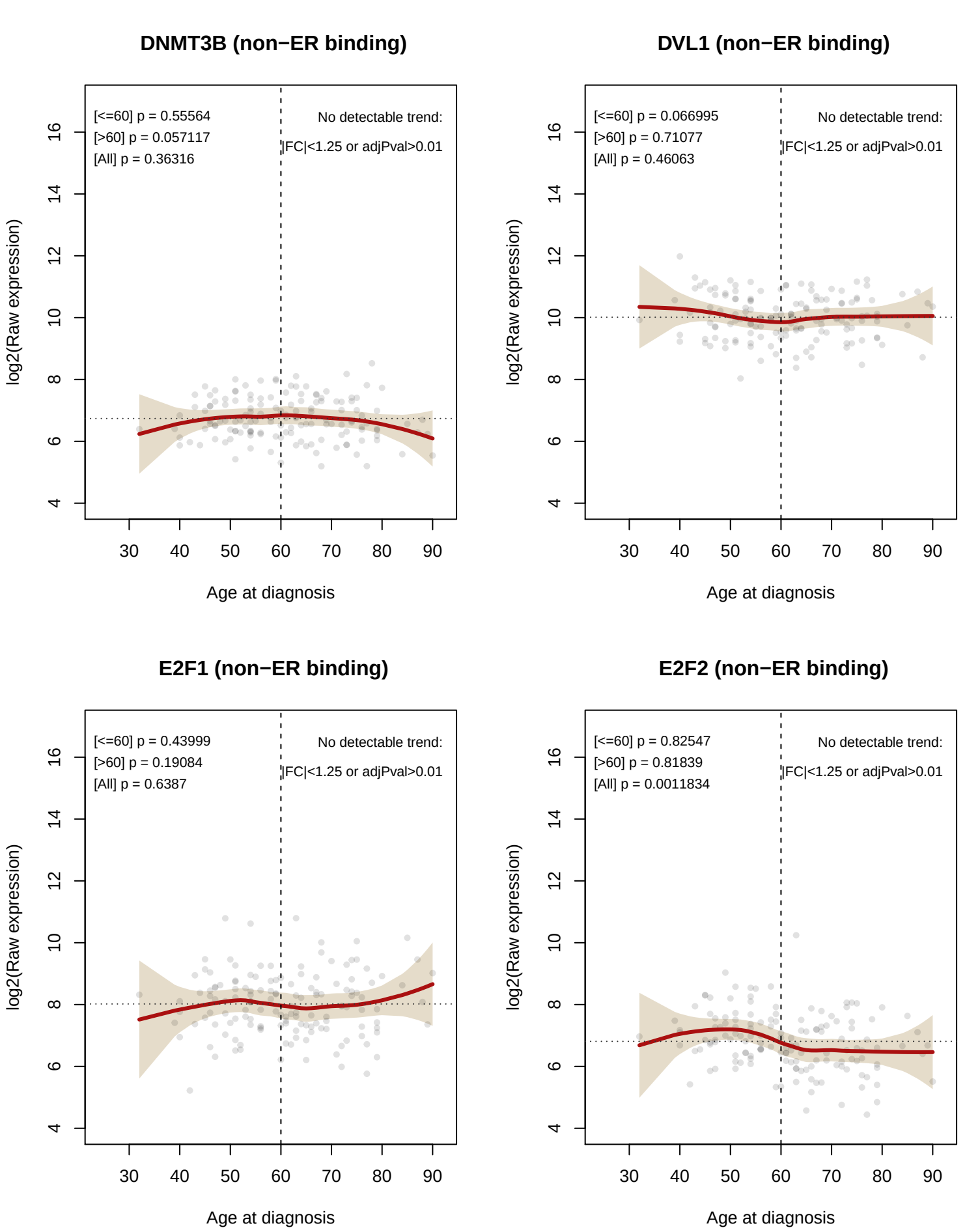

CDK4 (non−ER binding)
[<=60] p = 0.77787
[>60] p = 0.043788
[All] p = 0.68007
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CDK6 (ER binding)
[<=60] p = 0.68458
[>60] p = 0.21199
[All] p = 0.016292
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CDK7 (non−ER binding)
[<=60] p = 0.52151
[>60] p = 0.11341
[All] p = 0.65321
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CDKN1A (non−ER binding)
[<=60] p = 0.25117
[>60] p = 0.97552
[All] p = 0.12215
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

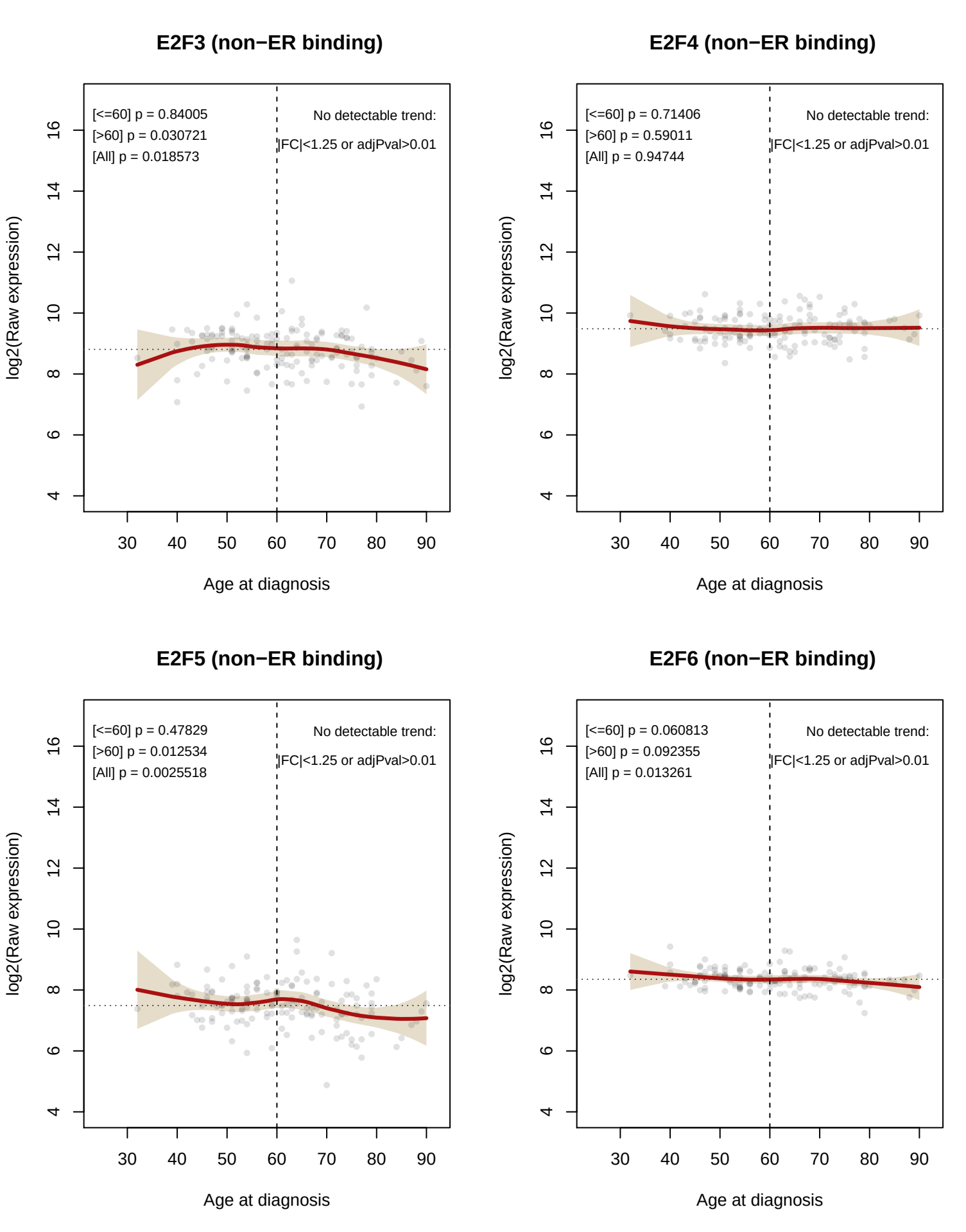

CDKN1B (non−ER binding)
[<=60] p = 0.11814
[>60] p = 0.13802
[All] p = 0.54547
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CDKN1C (non−ER binding)
[<=60] p = 0.71543
[>60] p = 0.9015
[All] p = 0.28216
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CDKN2A (non−ER binding)
[<=60] p = 0.70862
[>60] p = 0.93708
[All] p = 0.48701
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CDKN2B (non−ER binding)
[<=60] p = 0.83842
[>60] p = 0.025811
[All] p = 0.032124
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

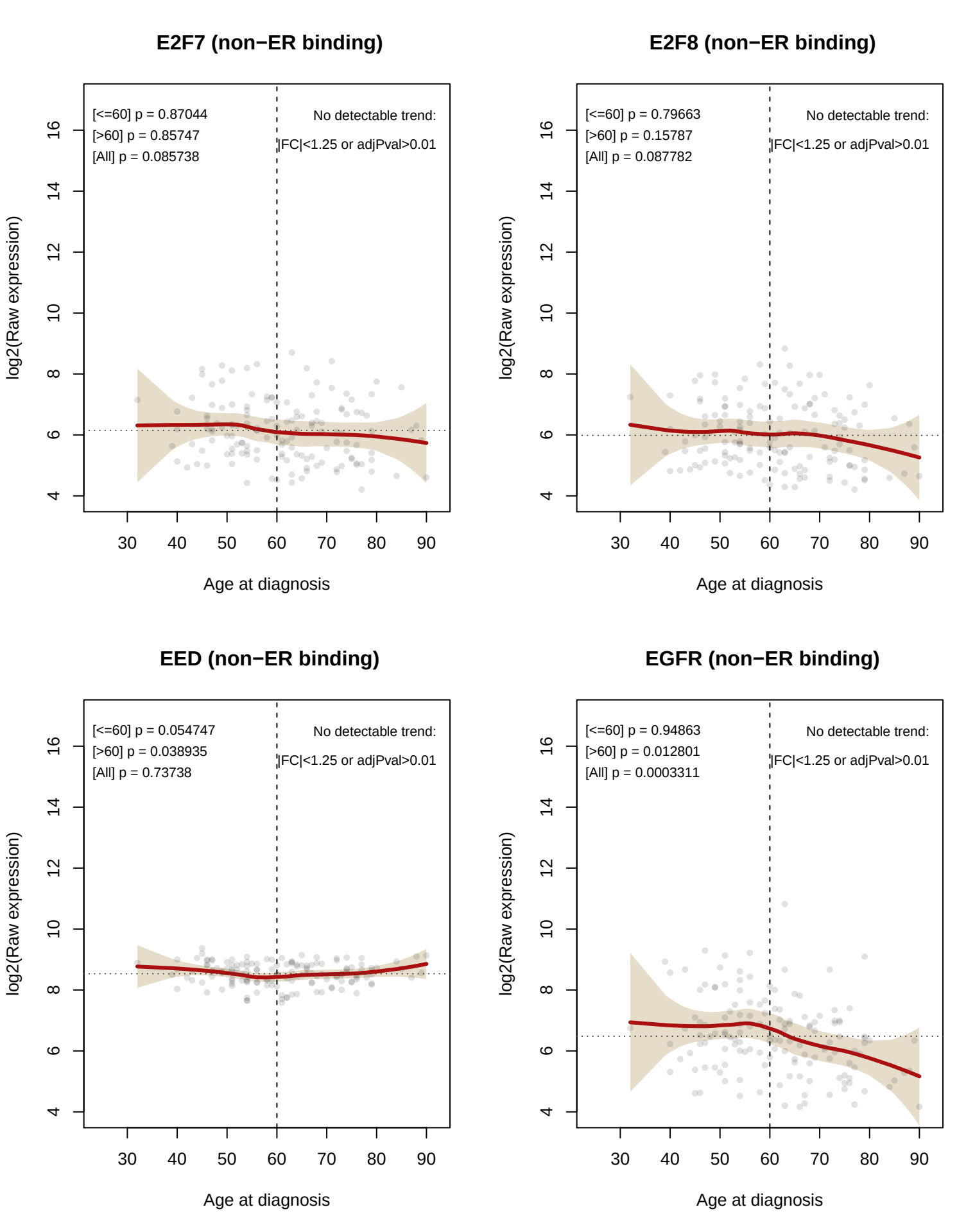

CDKN2C (non−ER binding)
[<=60] p = 0.53935
[>60] p = 0.86806
[All] p = 0.41749
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CDKN2D (non−ER binding)
[<=60] p = 0.96359
[>60] p = 0.97766
[All] p = 0.35294
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CHUK (non−ER binding)
[<=60] p = 0.65203
[>60] p = 0.47097
[All] p = 0.38485
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CIITA (non−ER binding)
[<=60] p = 0.61422
[>60] p = 0.019222
[All] p = 0.037325
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

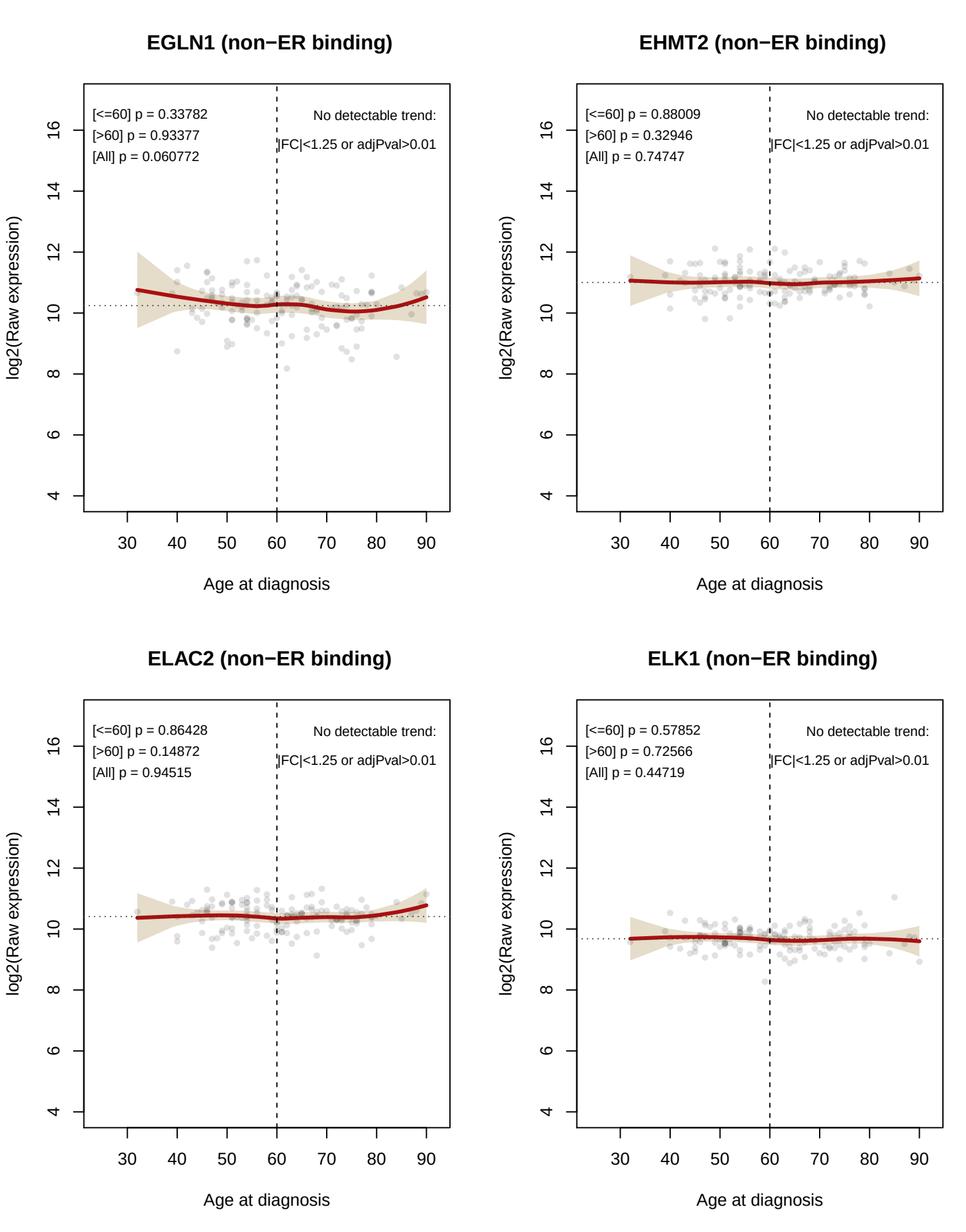

CLDN3 (non−ER binding)
[<=60] p = 0.40437
[>60] p = 0.58749
[All] p = 0.32664
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CREB1 (non−ER binding)
[<=60] p = 0.41593
[>60] p = 0.0032415
[All] p = 0.060971
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CRYAB (non−ER binding)
[<=60] p = 0.37136
[>60] p = 0.065847
[All] p = 0.08669
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
CTNNB1 (non−ER binding)
[<=60] p = 0.70436
[>60] p = 0.99739
[All] p = 0.88382
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

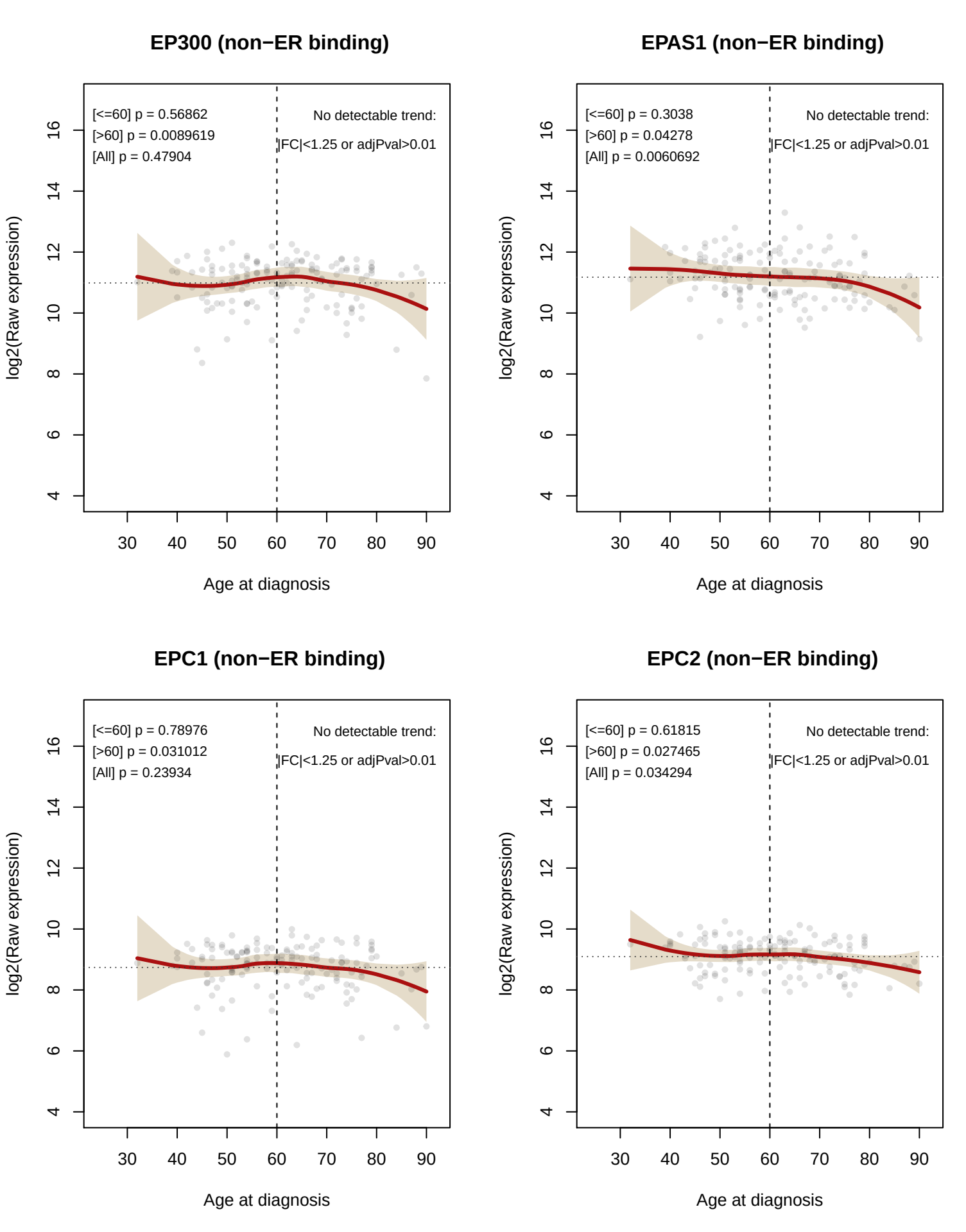

DLC1 (ER binding)
[<=60] p = 0.027561
[>60] p = 0.14033
[All] p = 6.1615e−06
Age−dependent trend:
|FC|>1.25 and adjPval<0.01
log2(Raw expression)
Age at diagnosis
DMAP1 (non−ER binding)
[<=60] p = 0.71046
[>60] p = 0.22018
[All] p = 0.26955
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
DNMT1 (non−ER binding)
[<=60] p = 0.2423
[>60] p = 0.19136
[All] p = 0.016858
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
DNMT3A (non−ER binding)
[<=60] p = 0.22838
[>60] p = 1.6033e−05
[All] p = 0.018079
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

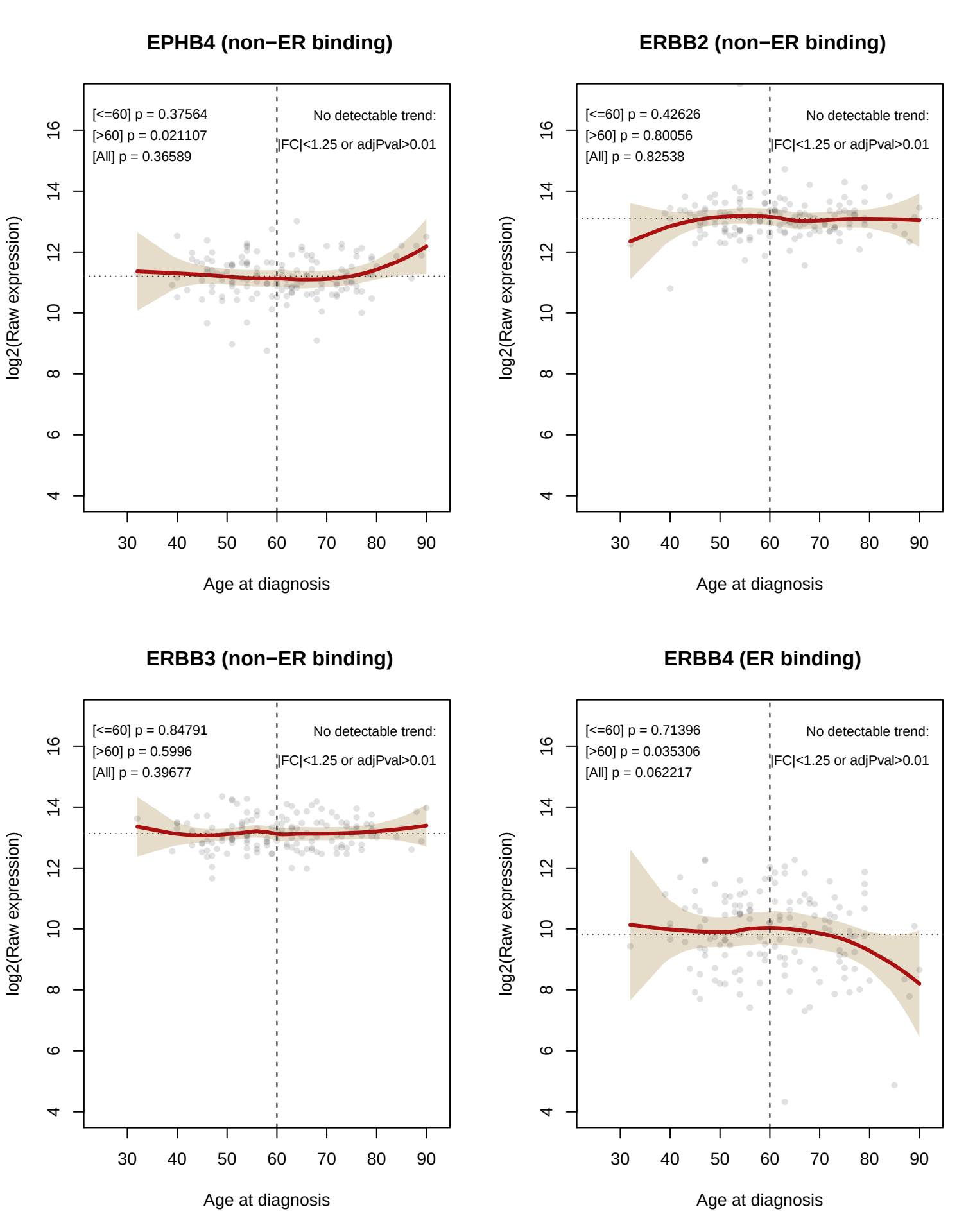

DNMT3B (non−ER binding)
[<=60] p = 0.55564
[>60] p = 0.057117
[All] p = 0.36316
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
DVL1 (non−ER binding)
[<=60] p = 0.066995
[>60] p = 0.71077
[All] p = 0.46063
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
E2F1 (non−ER binding)
[<=60] p = 0.43999
[>60] p = 0.19084
[All] p = 0.6387
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
E2F2 (non−ER binding)
[<=60] p = 0.82547
[>60] p = 0.81839
[All] p = 0.0011834
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

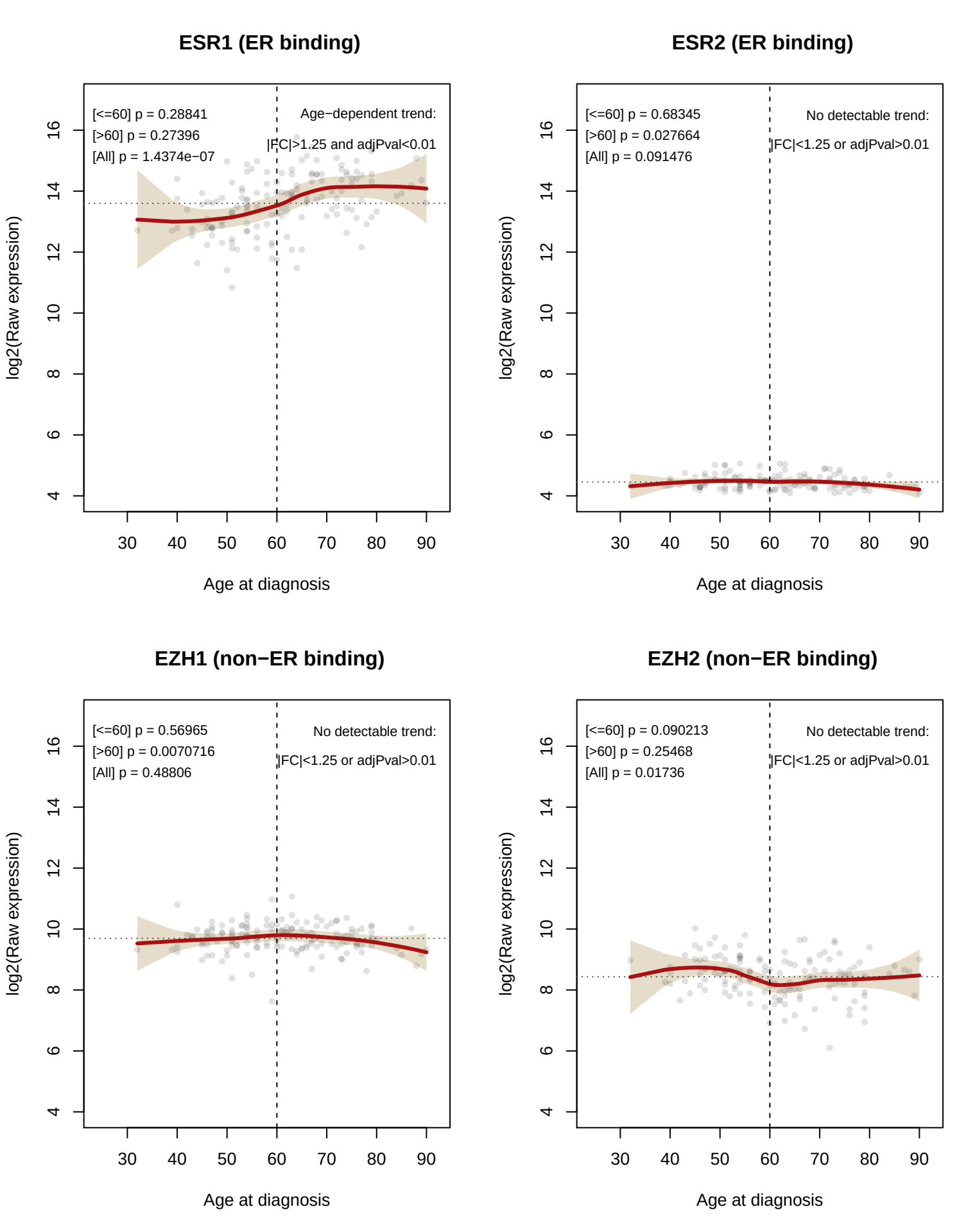

E2F3 (non−ER binding)
[<=60] p = 0.84005
[>60] p = 0.030721
[All] p = 0.018573
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
E2F4 (non−ER binding)
[<=60] p = 0.71406
[>60] p = 0.59011
[All] p = 0.94744
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
E2F5 (non−ER binding)
[<=60] p = 0.47829
[>60] p = 0.012534
[All] p = 0.0025518
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
E2F6 (non−ER binding)
[<=60] p = 0.060813
[>60] p = 0.092355
[All] p = 0.013261
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


E2F7 (non−ER binding)
[<=60] p = 0.87044
[>60] p = 0.85747
[All] p = 0.085738
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
E2F8 (non−ER binding)
[<=60] p = 0.79663
[>60] p = 0.15787
[All] p = 0.087782
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
EED (non−ER binding)
[<=60] p = 0.054747
[>60] p = 0.038935
[All] p = 0.73738
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
EGFR (non−ER binding)
[<=60] p = 0.94863
[>60] p = 0.012801
[All] p = 0.0003311
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

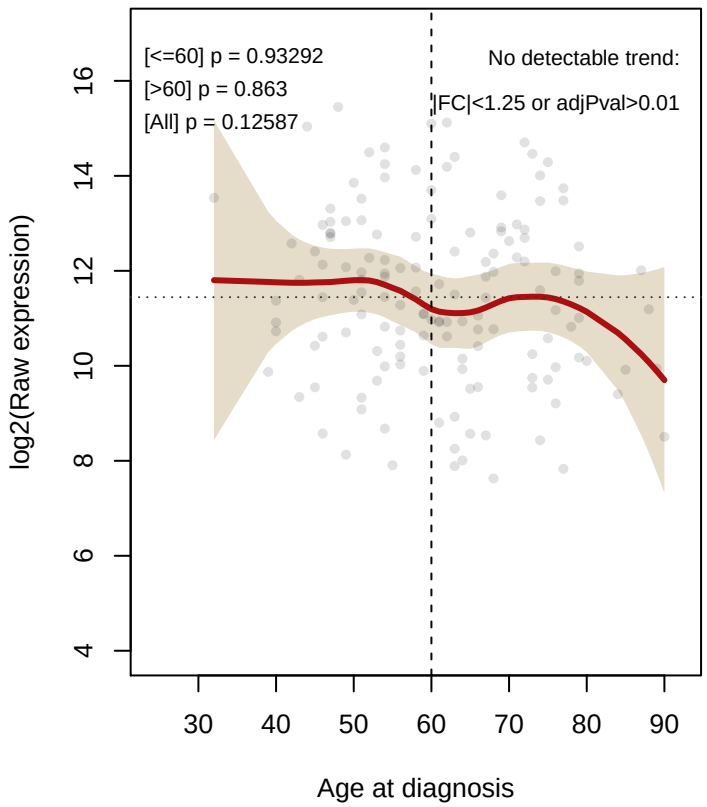

EGLN1 (non−ER binding)
[<=60] p = 0.33782
[>60] p = 0.93377
[All] p = 0.060772
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
EHMT2 (non−ER binding)
[<=60] p = 0.88009
[>60] p = 0.32946
[All] p = 0.74747
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
ELAC2 (non−ER binding)
[<=60] p = 0.86428
[>60] p = 0.14872
[All] p = 0.94515
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
ELK1 (non−ER binding)
[<=60] p = 0.57852
[>60] p = 0.72566
[All] p = 0.44719
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


EP300 (non−ER binding)
[<=60] p = 0.56862
[>60] p = 0.0089619
[All] p = 0.47904
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
EPAS1 (non−ER binding)
[<=60] p = 0.3038
[>60] p = 0.04278
[All] p = 0.0060692
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
EPC1 (non−ER binding)
[<=60] p = 0.78976
[>60] p = 0.031012
[All] p = 0.23934
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
EPC2 (non−ER binding)
[<=60] p = 0.61815
[>60] p = 0.027465
[All] p = 0.034294
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

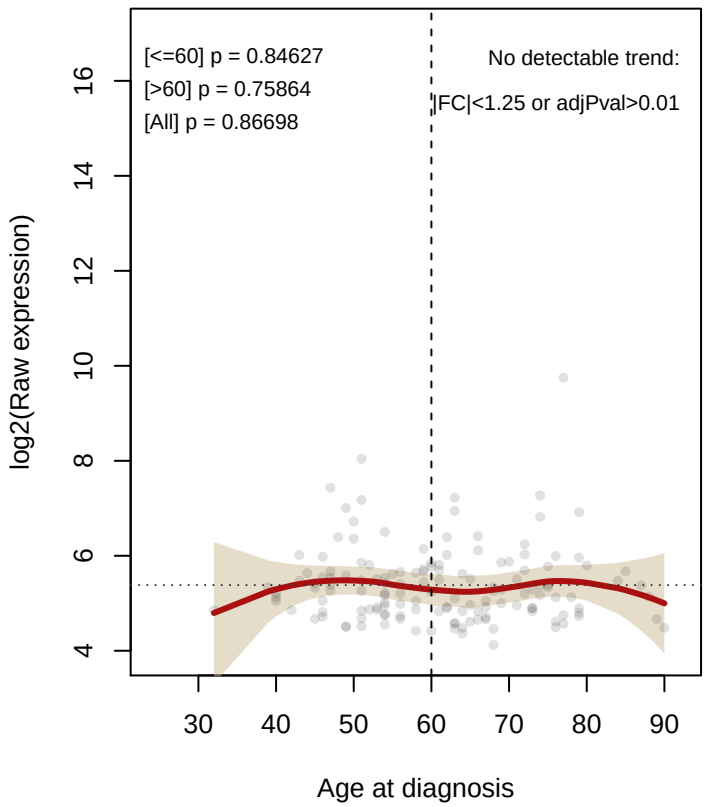

EPHB4 (non−ER binding)
[<=60] p = 0.37564
[>60] p = 0.021107
[All] p = 0.36589
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
ERBB2 (non−ER binding)
[<=60] p = 0.42626
[>60] p = 0.80056
[All] p = 0.82538
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
ERBB3 (non−ER binding)
[<=60] p = 0.84791
[>60] p = 0.5996
[All] p = 0.39677
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
ERBB4 (ER binding)
[<=60] p = 0.71396
[>60] p = 0.035306
[All] p = 0.062217
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


ESR1 (ER binding)
[<=60] p = 0.28841
[>60] p = 0.27396
[All] p = 1.4374e−07
Age−dependent trend:
|FC|>1.25 and adjPval<0.01
log2(Raw expression)
Age at diagnosis
ESR2 (ER binding)
[<=60] p = 0.68345
[>60] p = 0.027664
[All] p = 0.091476
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
EZH1 (non−ER binding)
[<=60] p = 0.56965
[>60] p = 0.0070716
[All] p = 0.48806
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
EZH2 (non−ER binding)
[<=60] p = 0.090213
[>60] p = 0.25468
[All] p = 0.01736
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

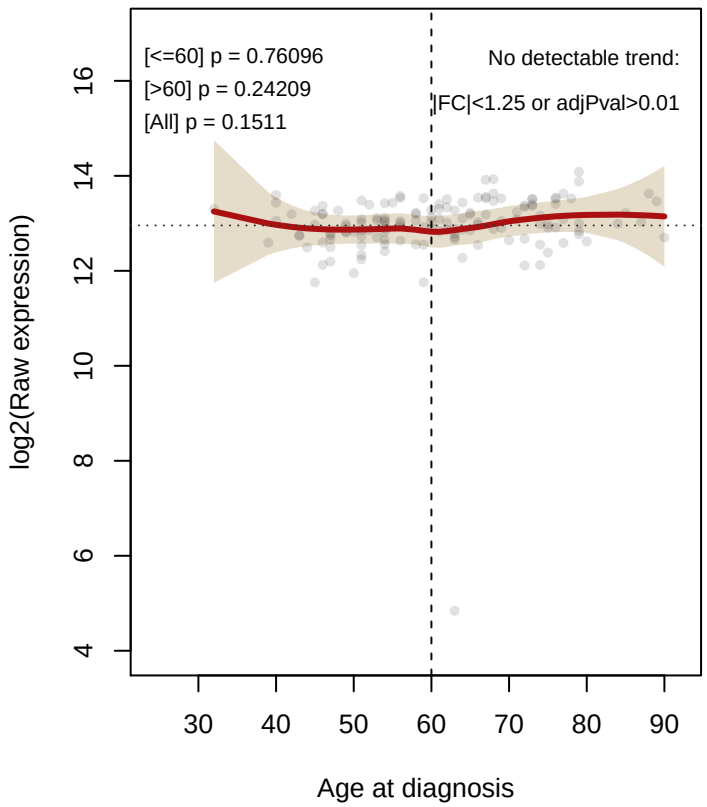
FOS (non−ER binding)



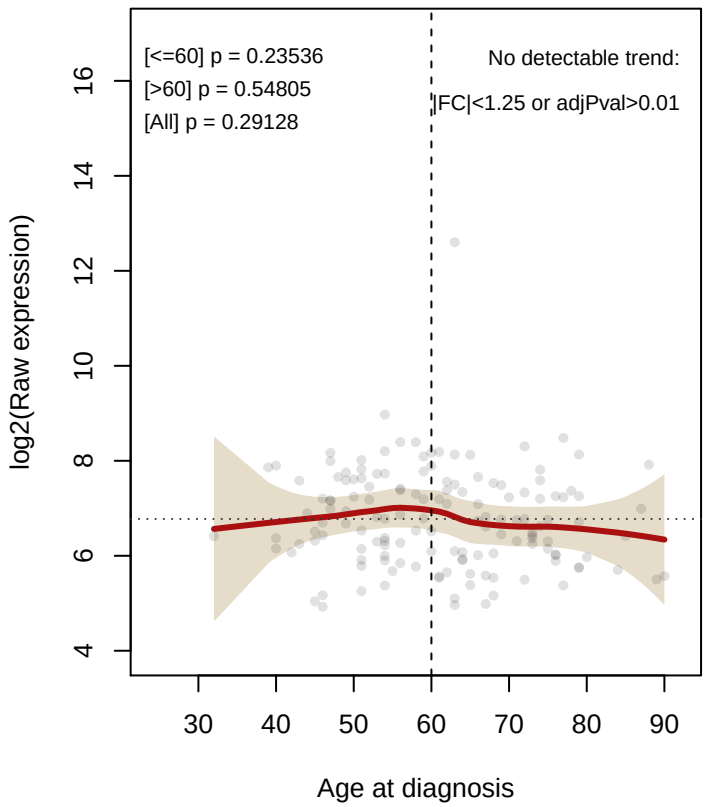
FOSL1 (non−ER binding)

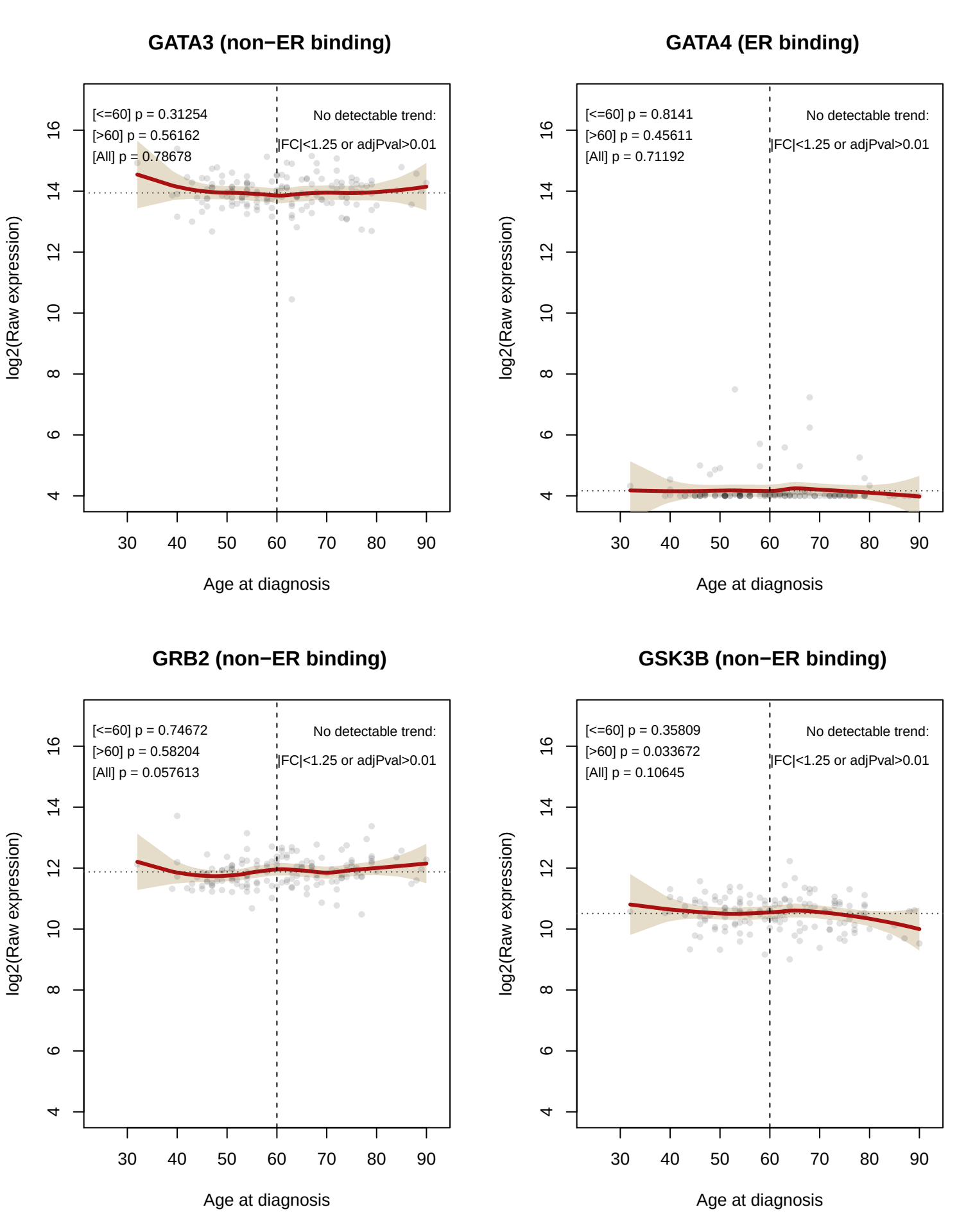


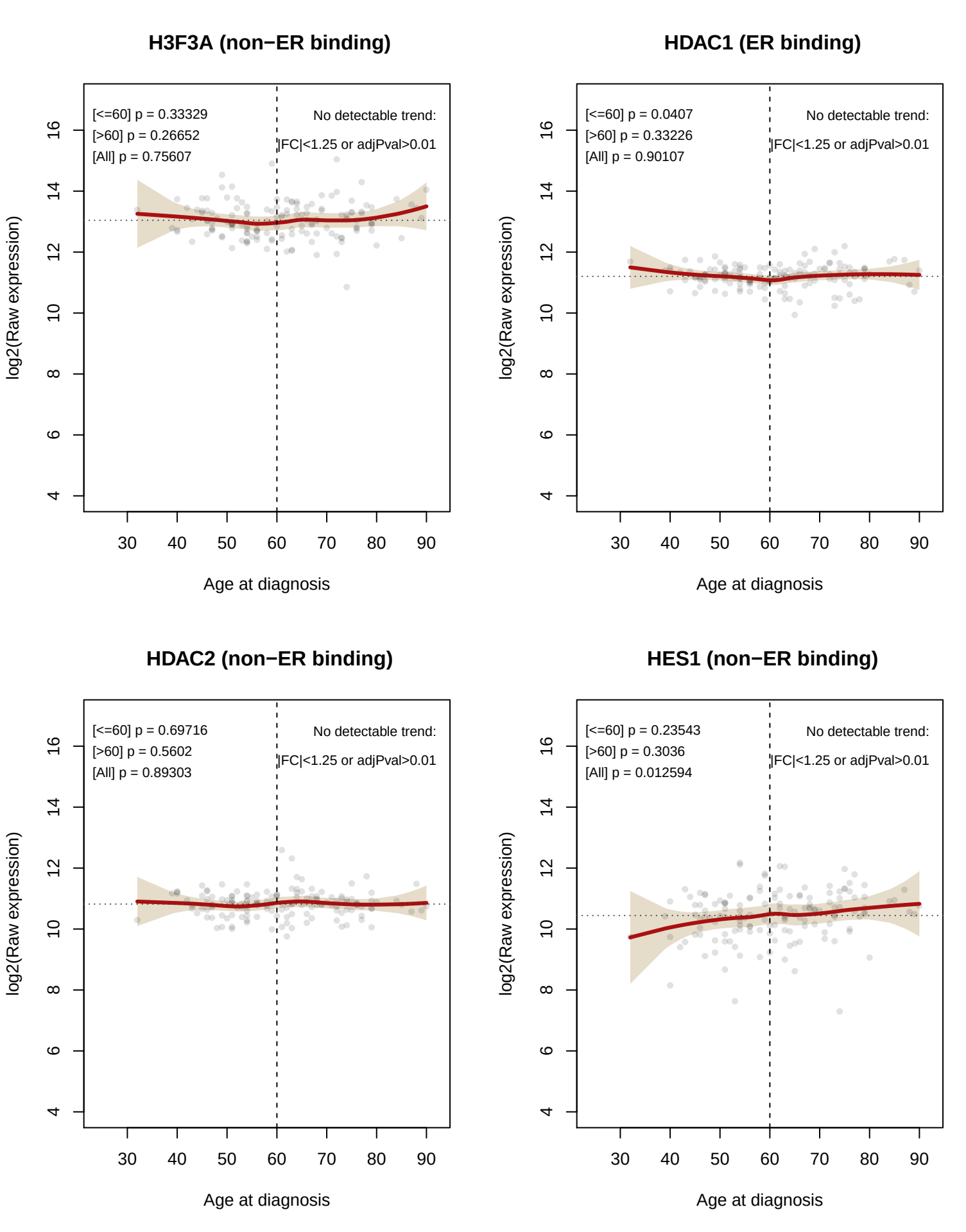
FOXA1 (ER binding)



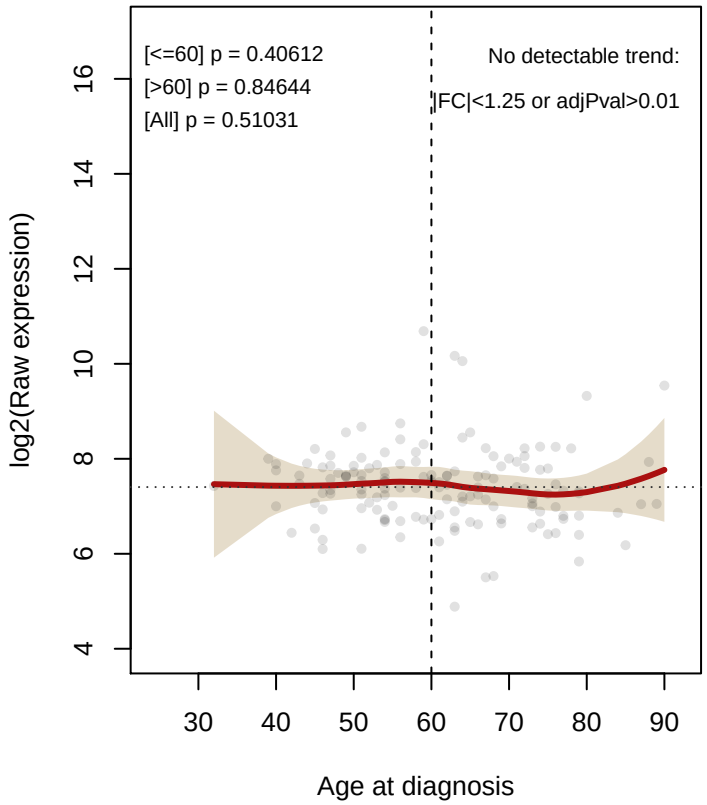
FOXC1 (ER binding)



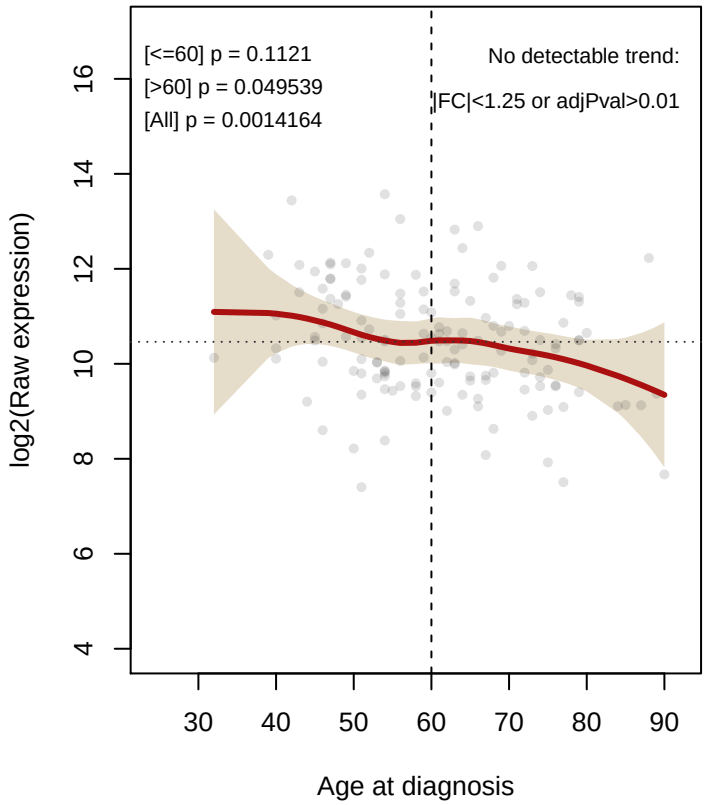

GATA3 (non−ER binding)
[<=60] p = 0.31254
[>60] p = 0.56162
[All] p = 0.78678
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
GATA4 (ER binding)
[<=60] p = 0.8141
[>60] p = 0.45611
[All] p = 0.71192
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
GRB2 (non−ER binding)
[<=60] p = 0.74672
[>60] p = 0.58204
[All] p = 0.057613
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
GSK3B (non−ER binding)
[<=60] p = 0.35809
[>60] p = 0.033672
[All] p = 0.10645
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


H3F3A (non−ER binding)
[<=60] p = 0.33329
[>60] p = 0.26652
[All] p = 0.75607
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
HDAC1 (ER binding)
[<=60] p = 0.0407
[>60] p = 0.33226
[All] p = 0.90107
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
HDAC2 (non−ER binding)
[<=60] p = 0.69716
[>60] p = 0.5602
[All] p = 0.89303
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
HES1 (non−ER binding)
[<=60] p = 0.23543
[>60] p = 0.3036
[All] p = 0.012594
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

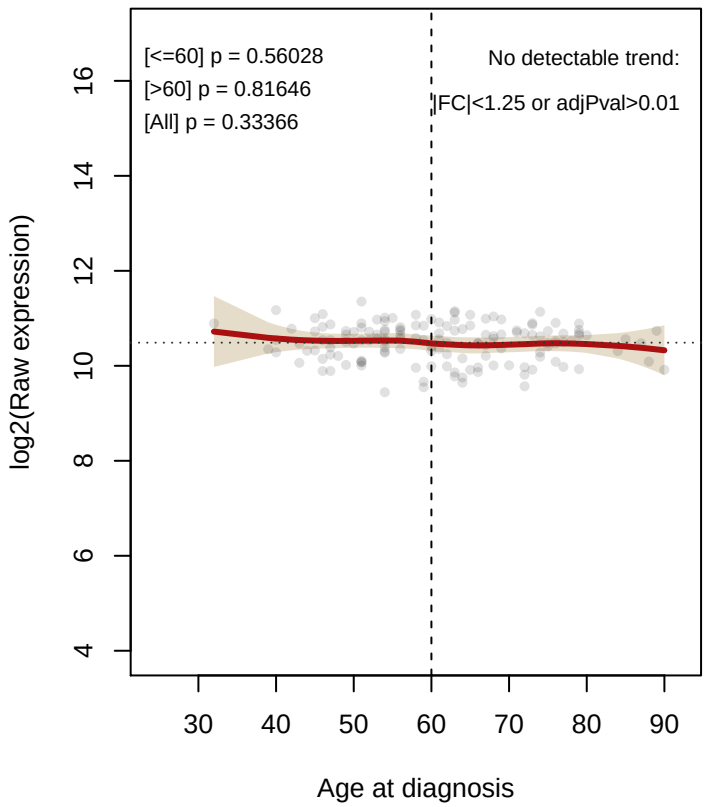
HEY1 (non−ER binding)



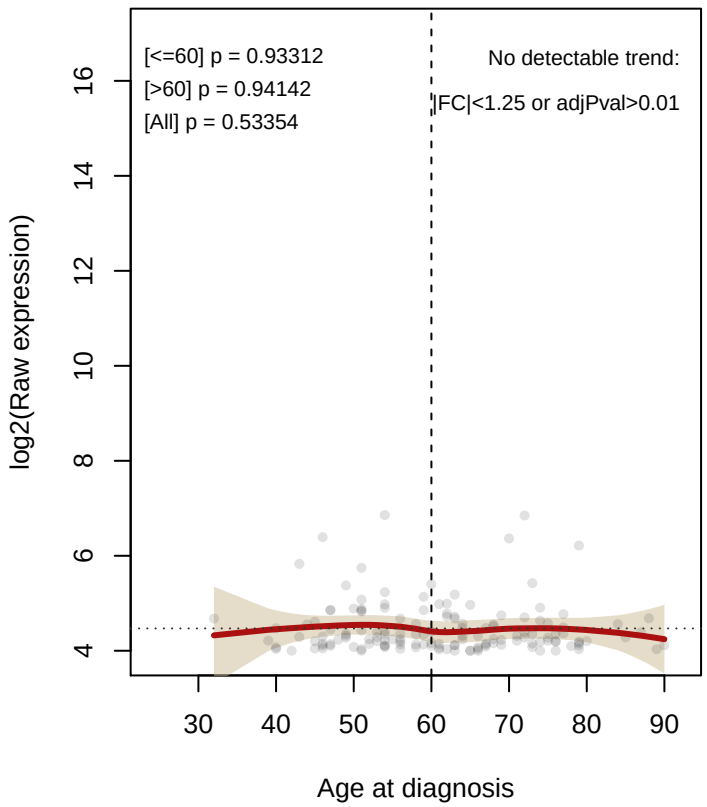
HIF1A (non−ER binding)

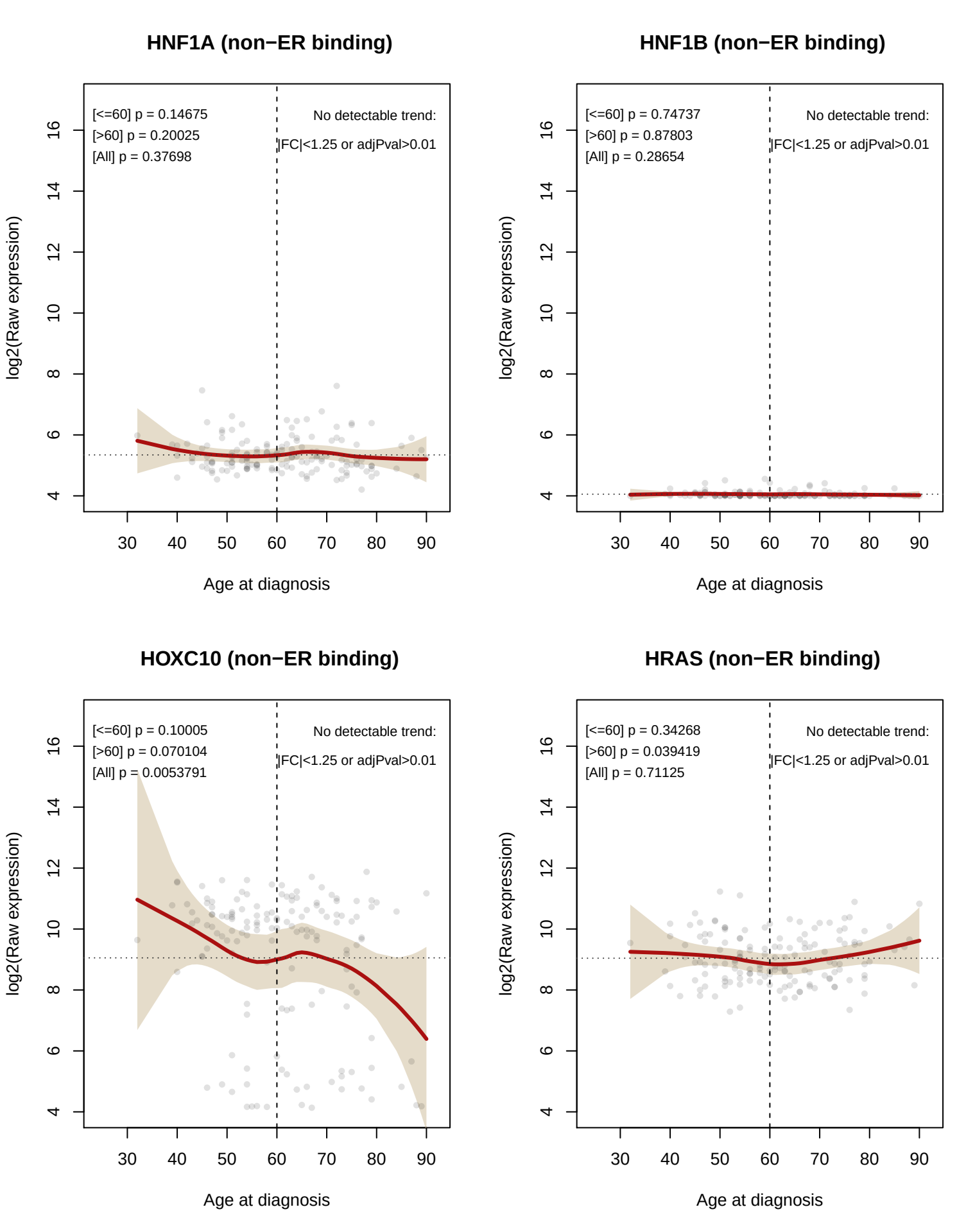


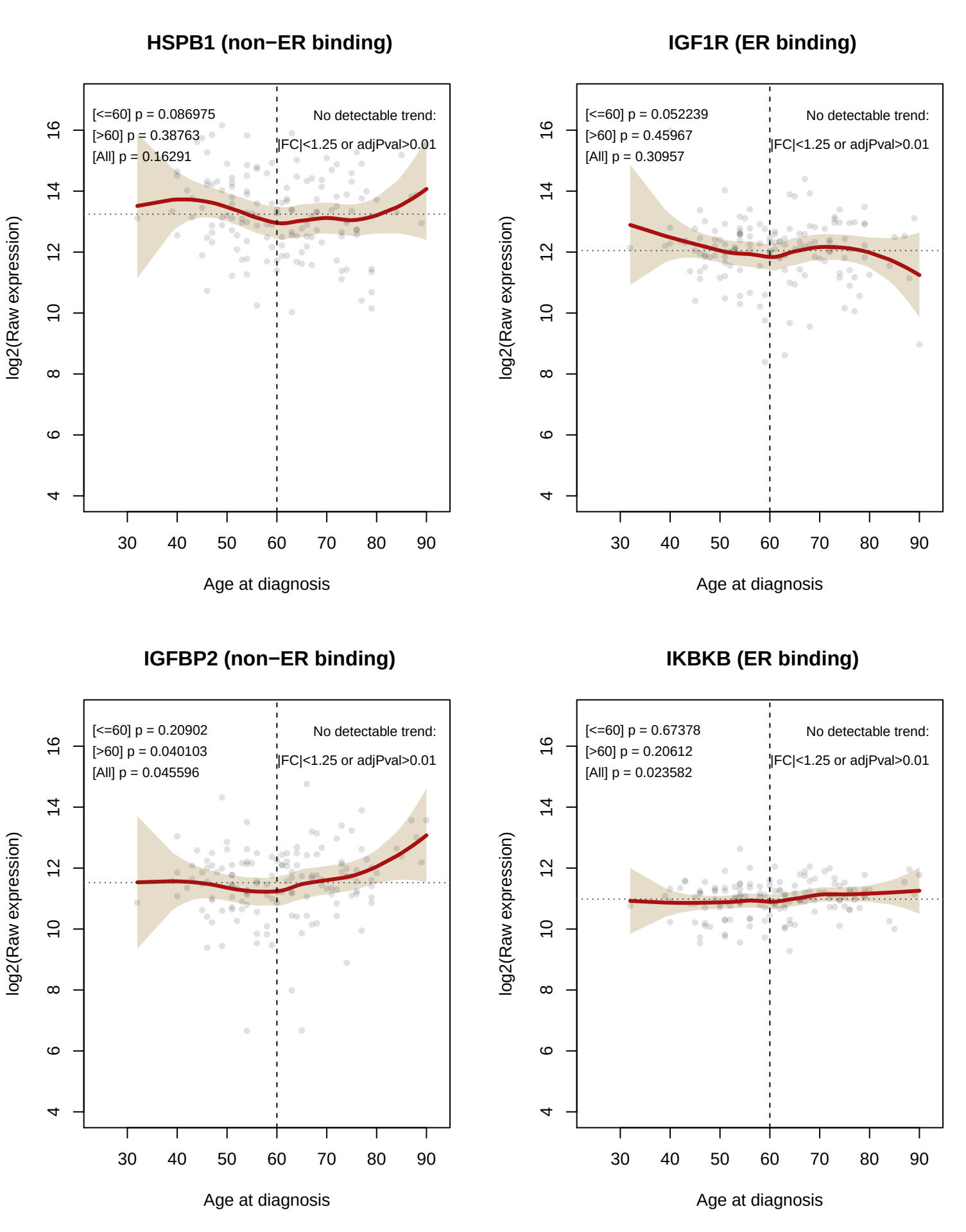
HIF1AN (non−ER binding)

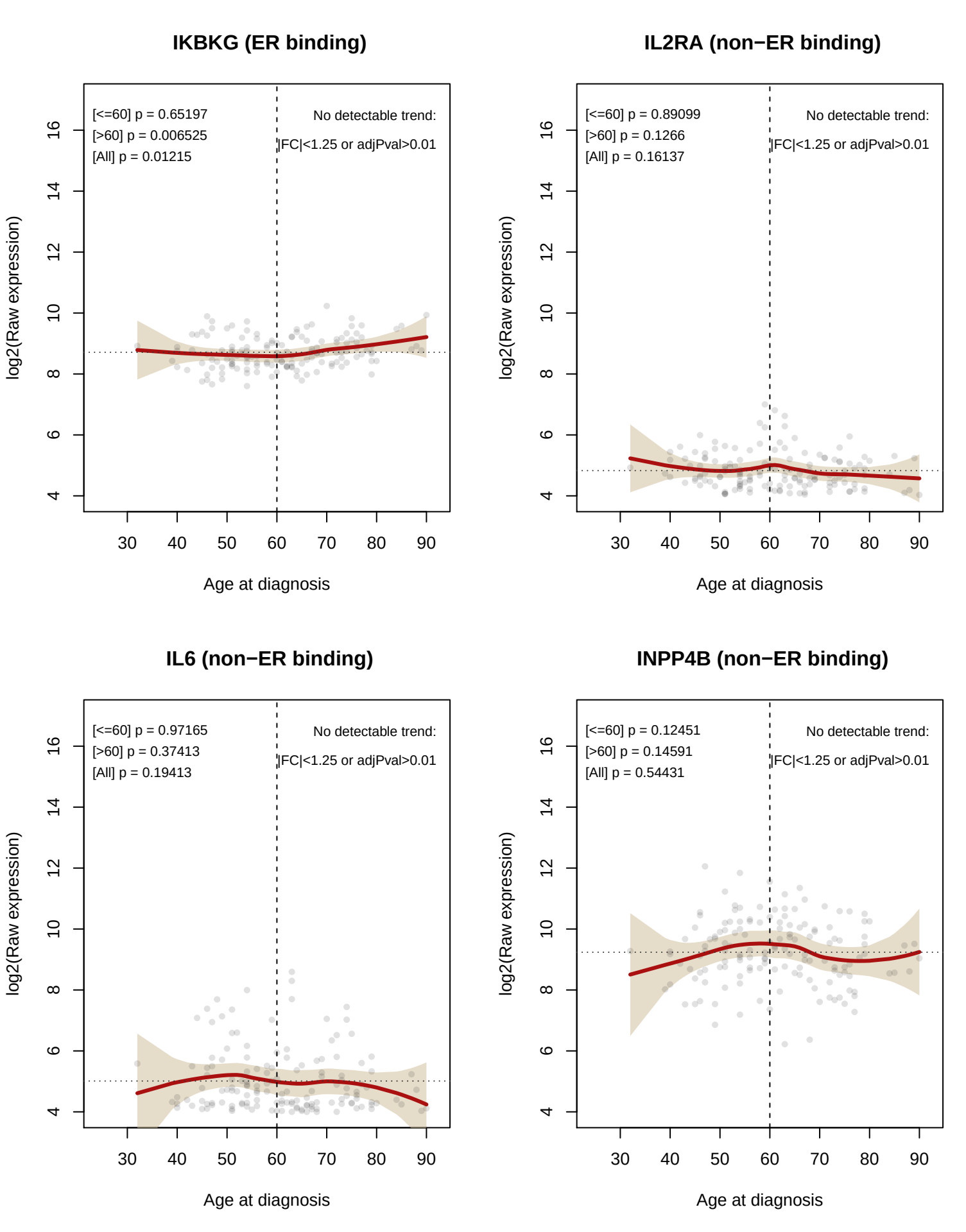


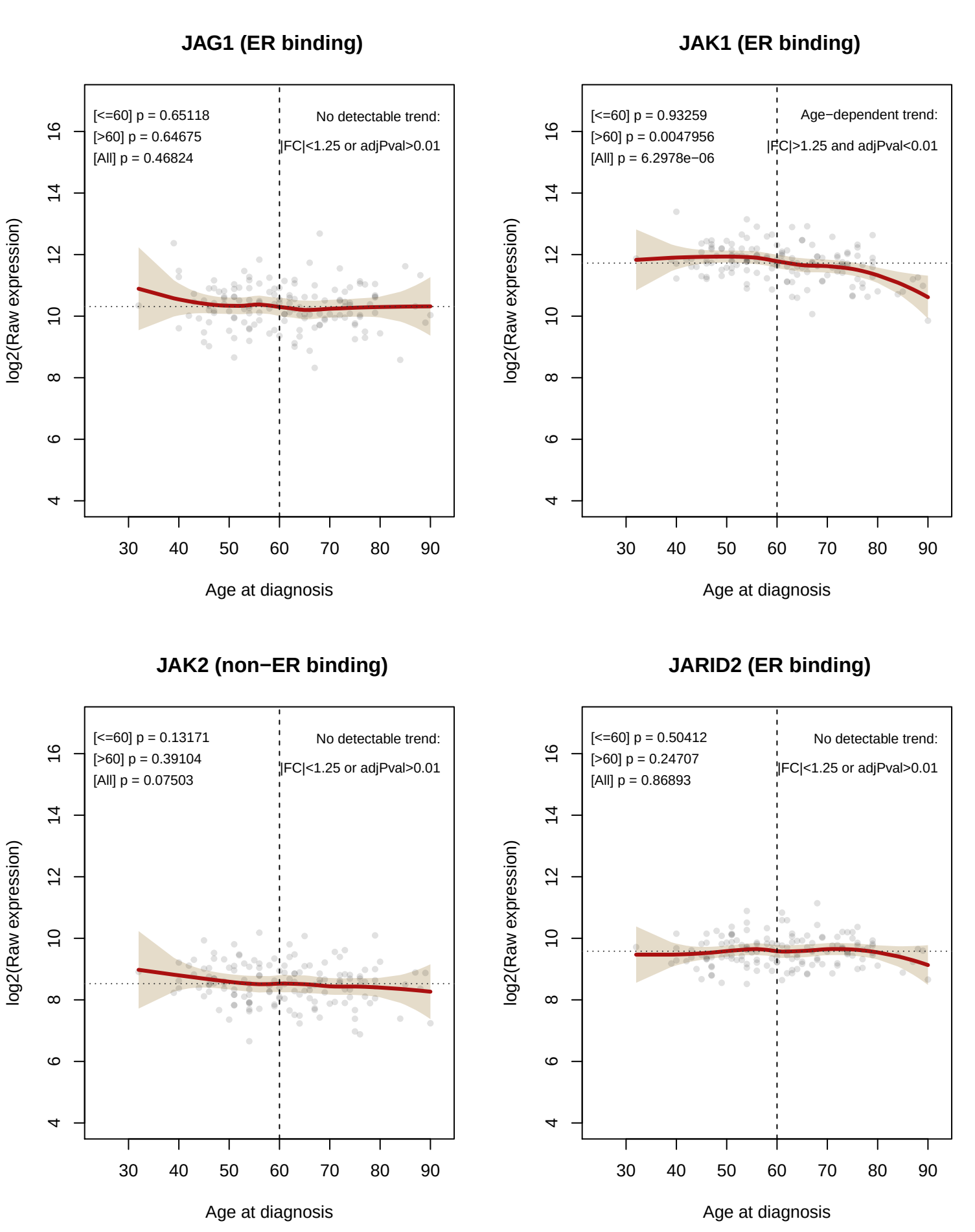
HIF3A (non−ER binding)

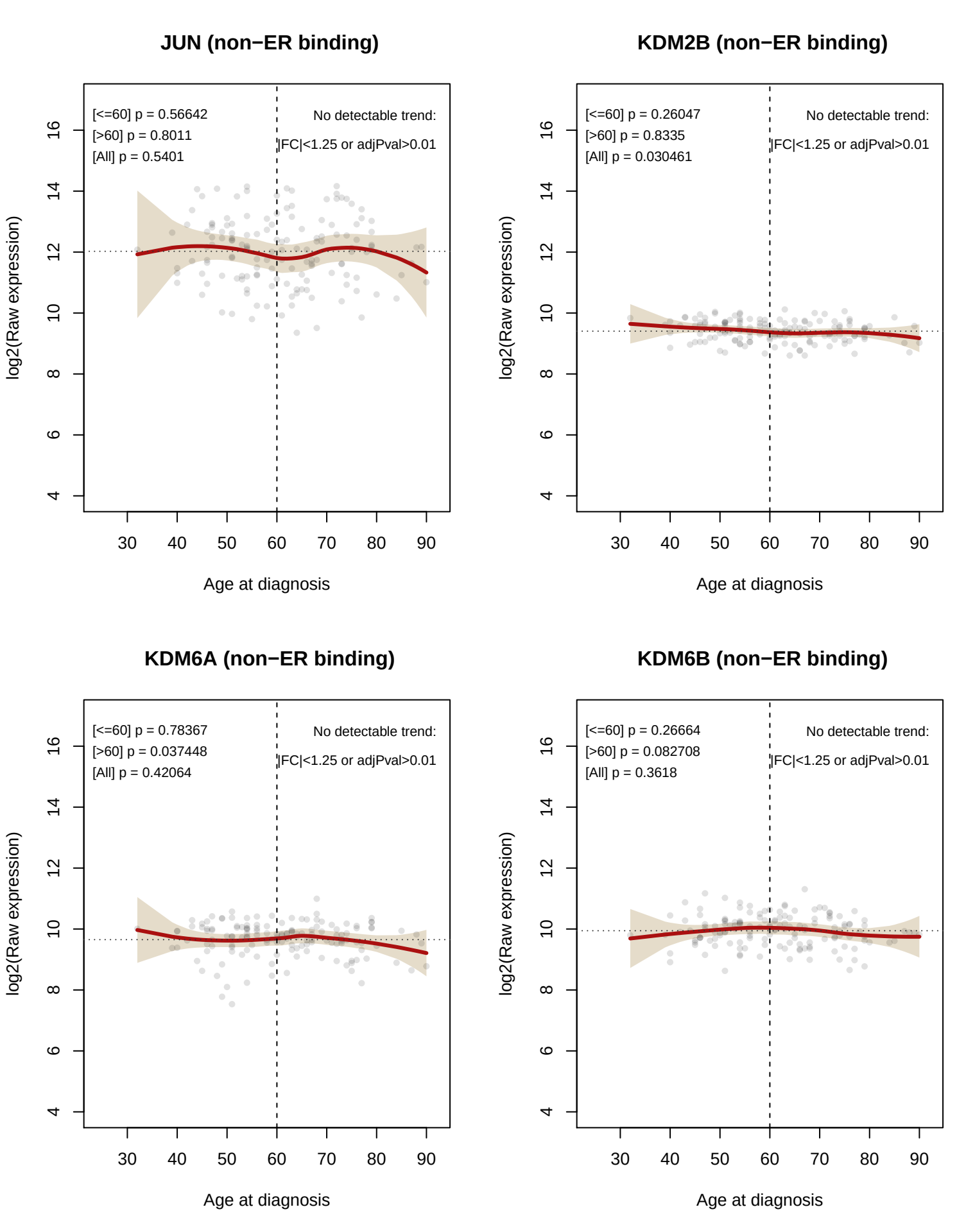



HNF1A (non−ER binding)
[<=60] p = 0.14675
[>60] p = 0.20025
[All] p = 0.37698
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
HNF1B (non−ER binding)
[<=60] p = 0.74737
[>60] p = 0.87803
[All] p = 0.28654
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
HOXC10 (non−ER binding)
[<=60] p = 0.10005
[>60] p = 0.070104
[All] p = 0.0053791
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
HRAS (non−ER binding)
[<=60] p = 0.34268
[>60] p = 0.039419
[All] p = 0.71125
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

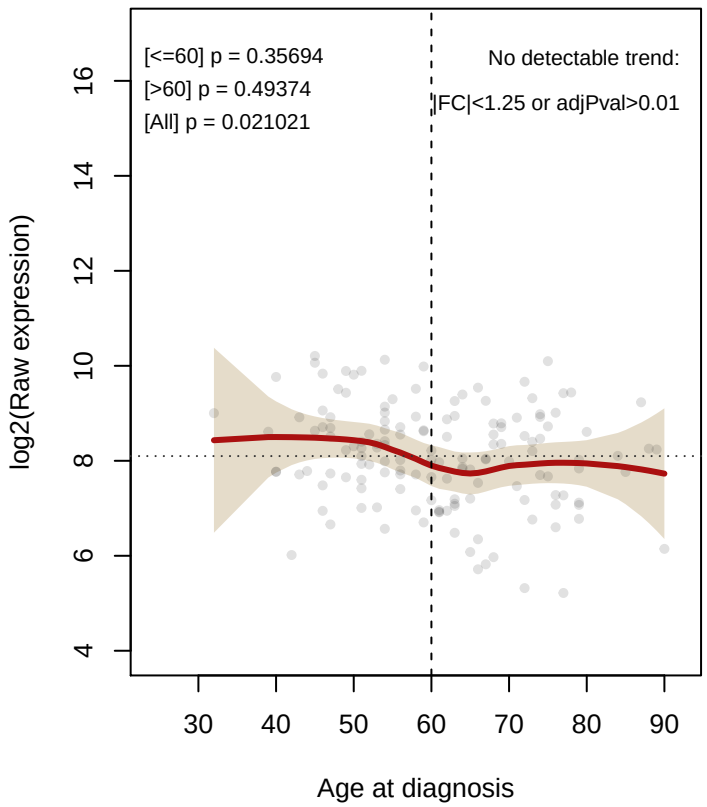

HSPB1 (non−ER binding)
[<=60] p = 0.086975
[>60] p = 0.38763
[All] p = 0.16291
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
IGF1R (ER binding)
[<=60] p = 0.052239
[>60] p = 0.45967
[All] p = 0.30957
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
IGFBP2 (non−ER binding)
[<=60] p = 0.20902
[>60] p = 0.040103
[All] p = 0.045596
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
IKBKB (ER binding)
[<=60] p = 0.67378
[>60] p = 0.20612
[All] p = 0.023582
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


IKBKG (ER binding)
[<=60] p = 0.65197
[>60] p = 0.006525
[All] p = 0.01215
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
IL2RA (non−ER binding)
[<=60] p = 0.89099
[>60] p = 0.1266
[All] p = 0.16137
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
IL6 (non−ER binding)
[<=60] p = 0.97165
[>60] p = 0.37413
[All] p = 0.19413
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
INPP4B (non−ER binding)
[<=60] p = 0.12451
[>60] p = 0.14591
[All] p = 0.54431
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

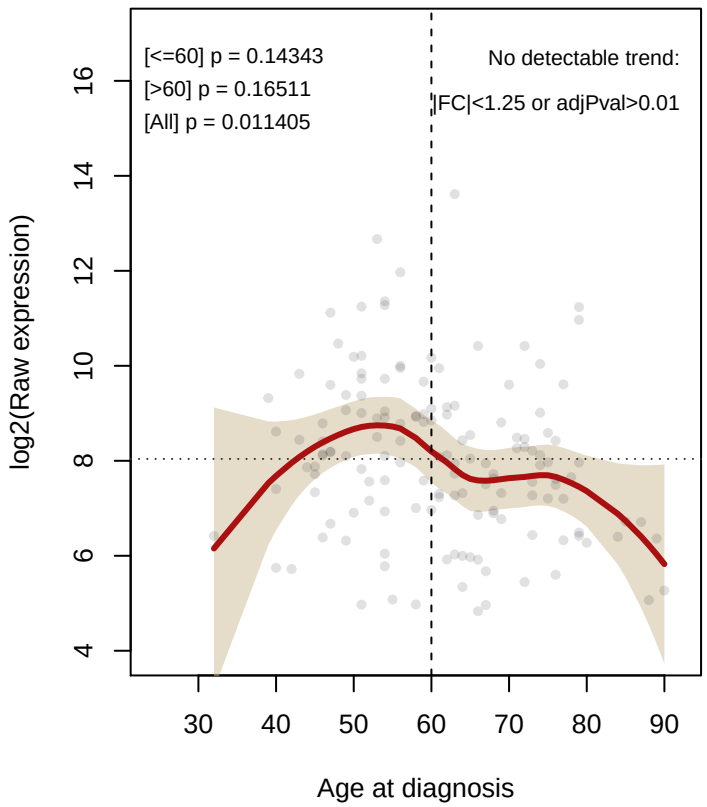

JAG1 (ER binding)
[<=60] p = 0.65118
[>60] p = 0.64675
[All] p = 0.46824
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
JAK1 (ER binding)
[<=60] p = 0.93259
[>60] p = 0.0047956
[All] p = 6.2978e−06
Age−dependent trend:
|FC|>1.25 and adjPval<0.01
log2(Raw expression)
Age at diagnosis
JAK2 (non−ER binding)
[<=60] p = 0.13171
[>60] p = 0.39104
[All] p = 0.07503
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
JARID2 (ER binding)
[<=60] p = 0.50412
[>60] p = 0.24707
[All] p = 0.86893
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


JUN (non−ER binding)
[<=60] p = 0.56642
[>60] p = 0.8011
[All] p = 0.5401
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
KDM2B (non−ER binding)
[<=60] p = 0.26047
[>60] p = 0.8335
[All] p = 0.030461
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
KDM6A (non−ER binding)
[<=60] p = 0.78367
[>60] p = 0.037448
[All] p = 0.42064
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
KDM6B (non−ER binding)
[<=60] p = 0.26664
[>60] p = 0.082708
[All] p = 0.3618
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

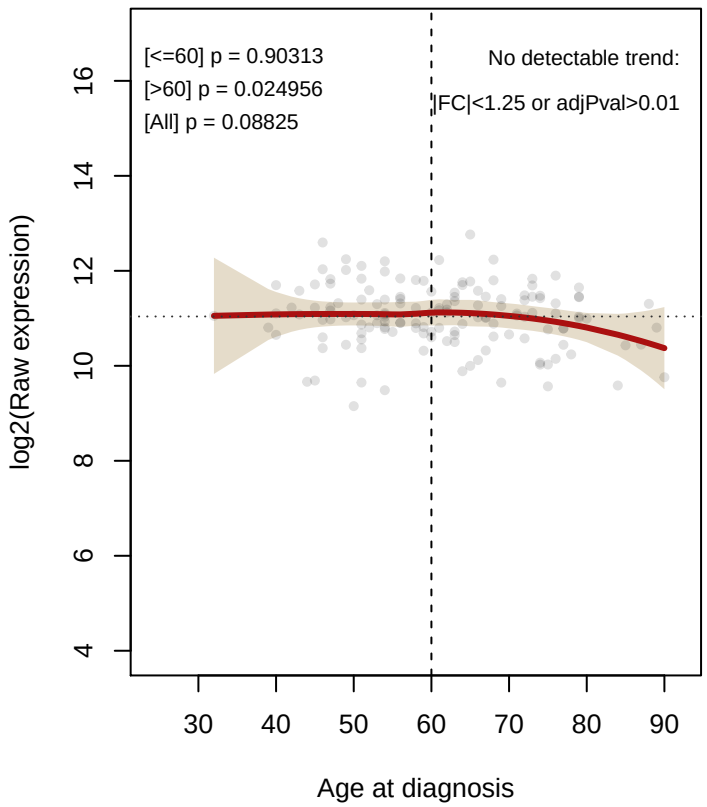
KIAA0101 (non−ER binding)



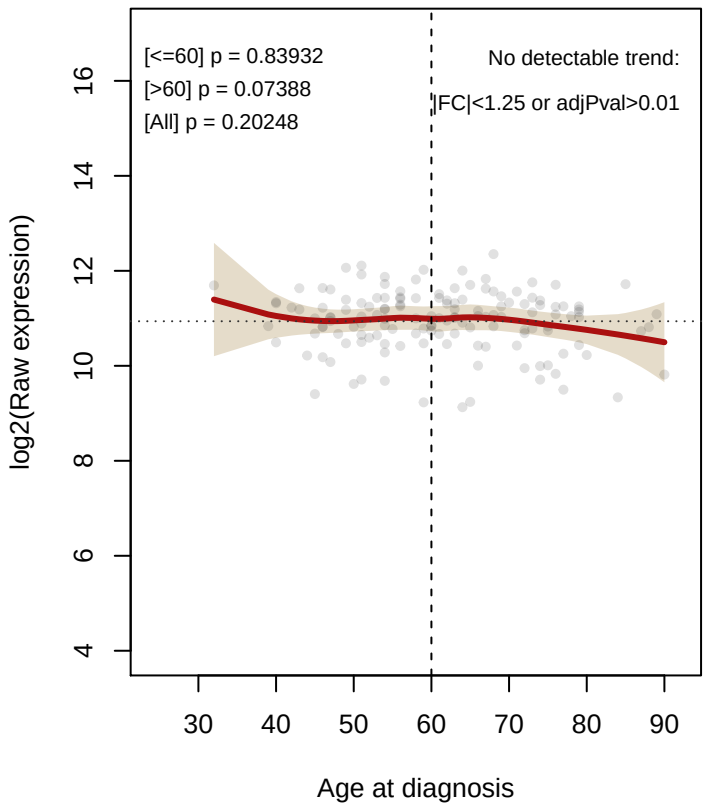
KIT (non−ER binding)

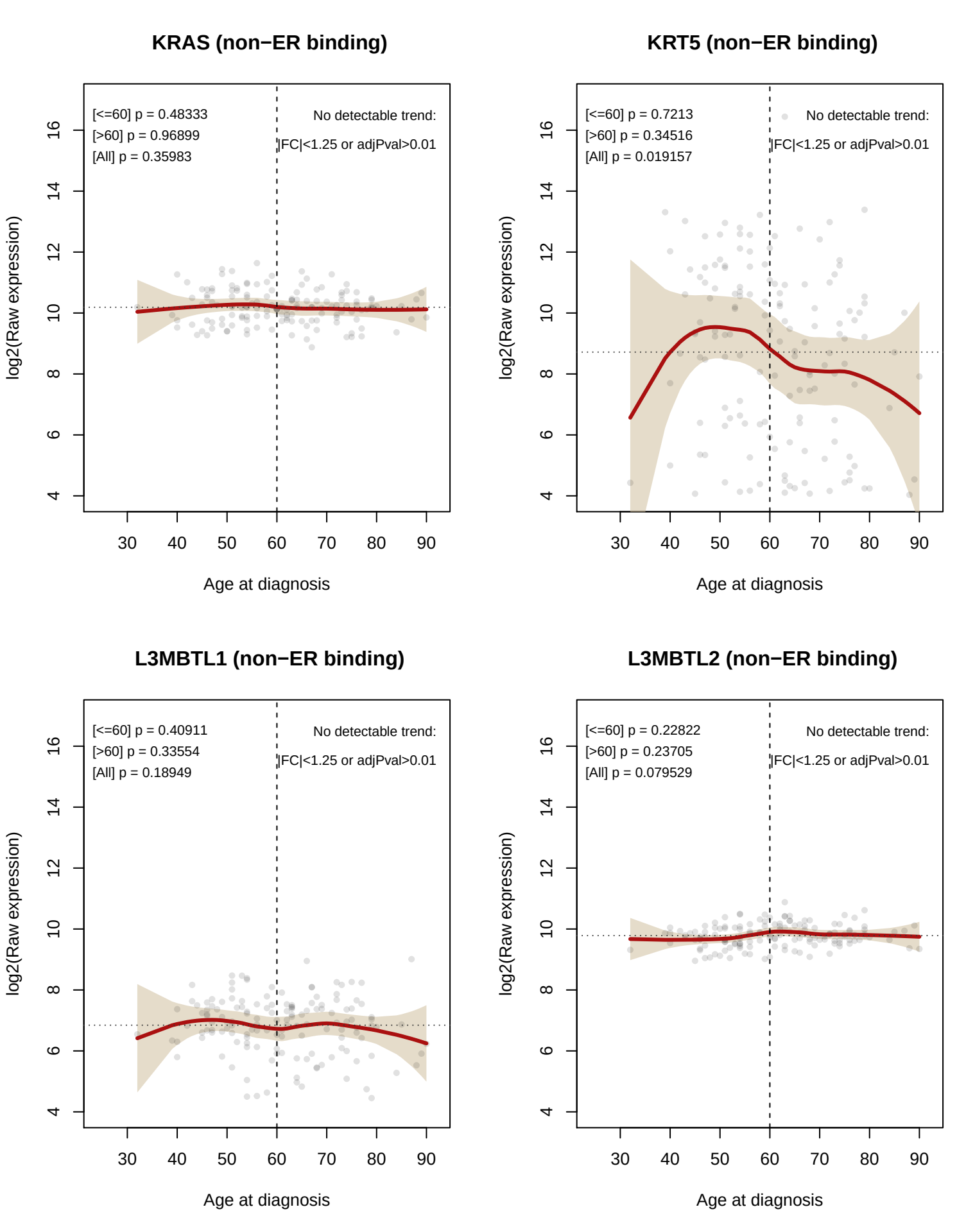


KMT2C (non−ER binding)

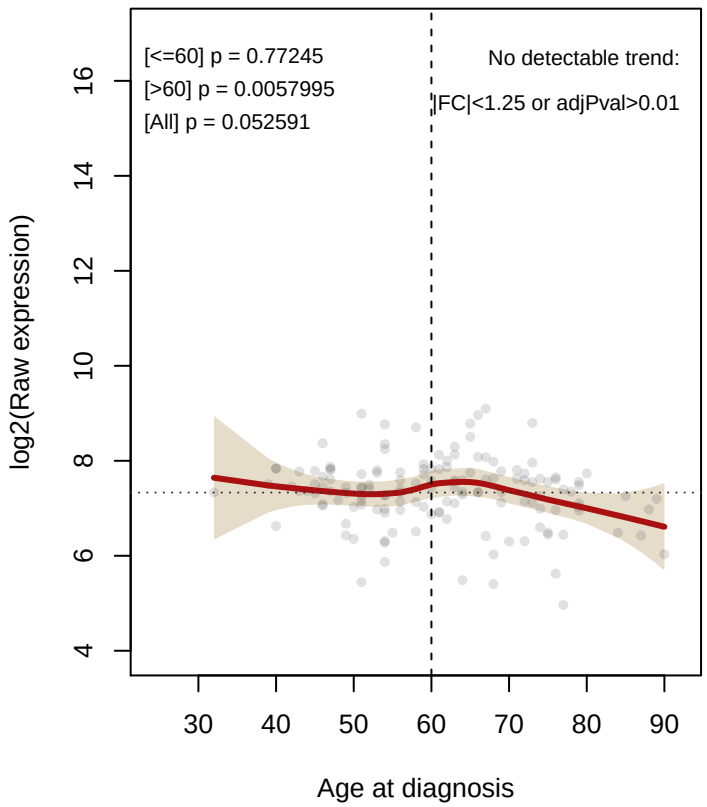


KMT2D (non−ER binding)

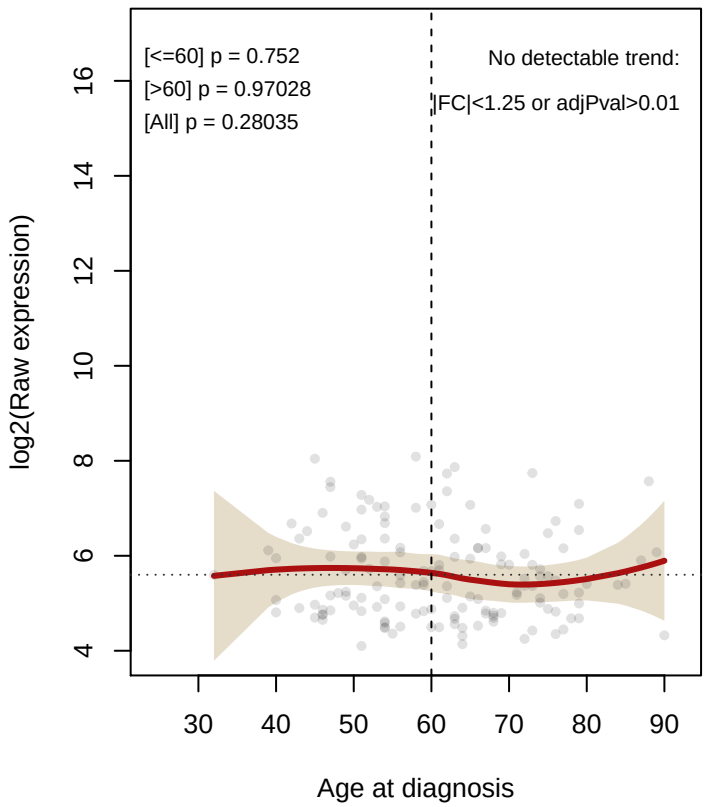



KRAS (non−ER binding)
[<=60] p = 0.48333
[>60] p = 0.96899
[All] p = 0.35983
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
KRT5 (non−ER binding)
[<=60] p = 0.7213
[>60] p = 0.34516
[All] p = 0.019157
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
L3MBTL1 (non−ER binding)
[<=60] p = 0.40911
[>60] p = 0.33554
[All] p = 0.18949
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
L3MBTL2 (non−ER binding)
[<=60] p = 0.22822
[>60] p = 0.23705
[All] p = 0.079529
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

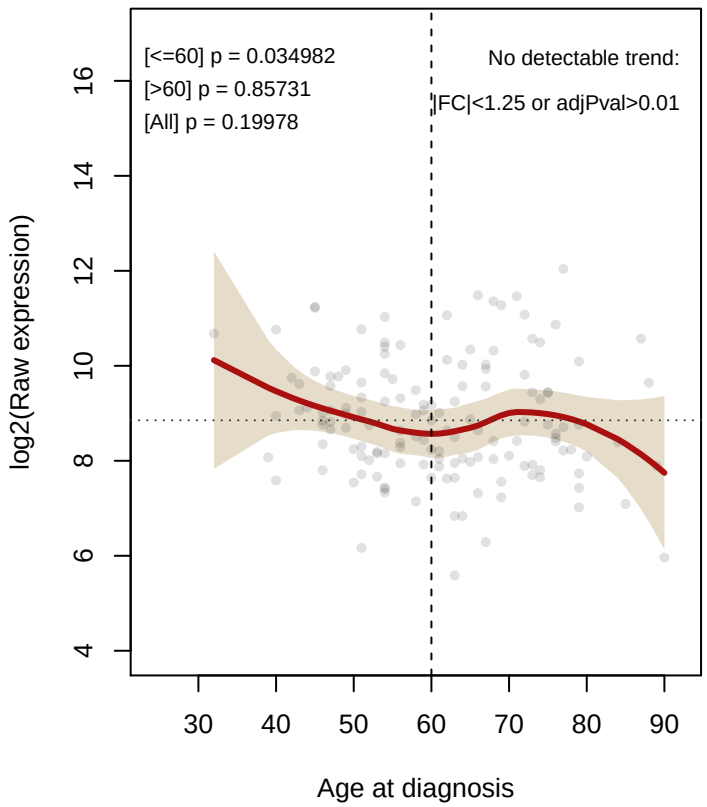
L3MBTL3 (ER binding)



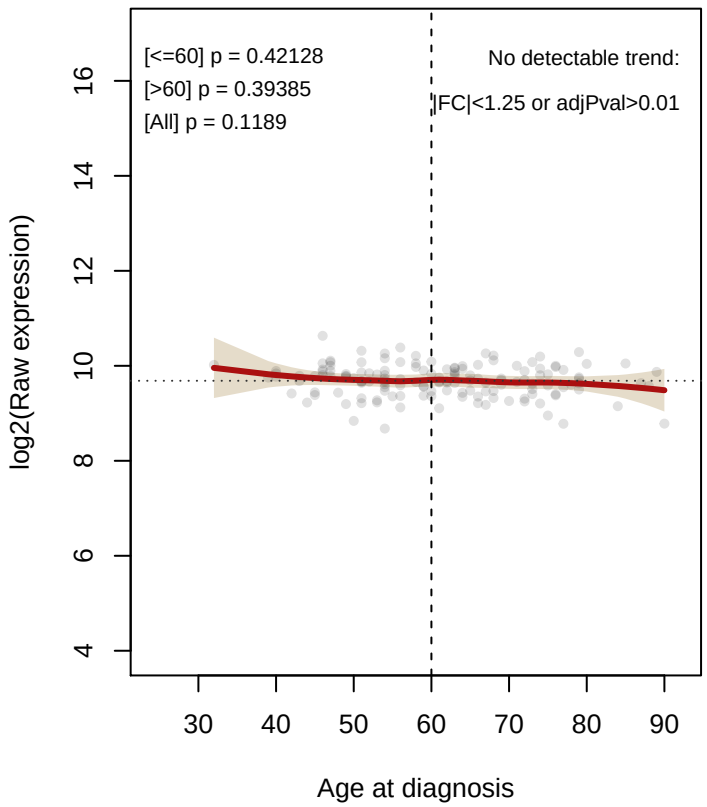
L3MBTL4 (non−ER binding)

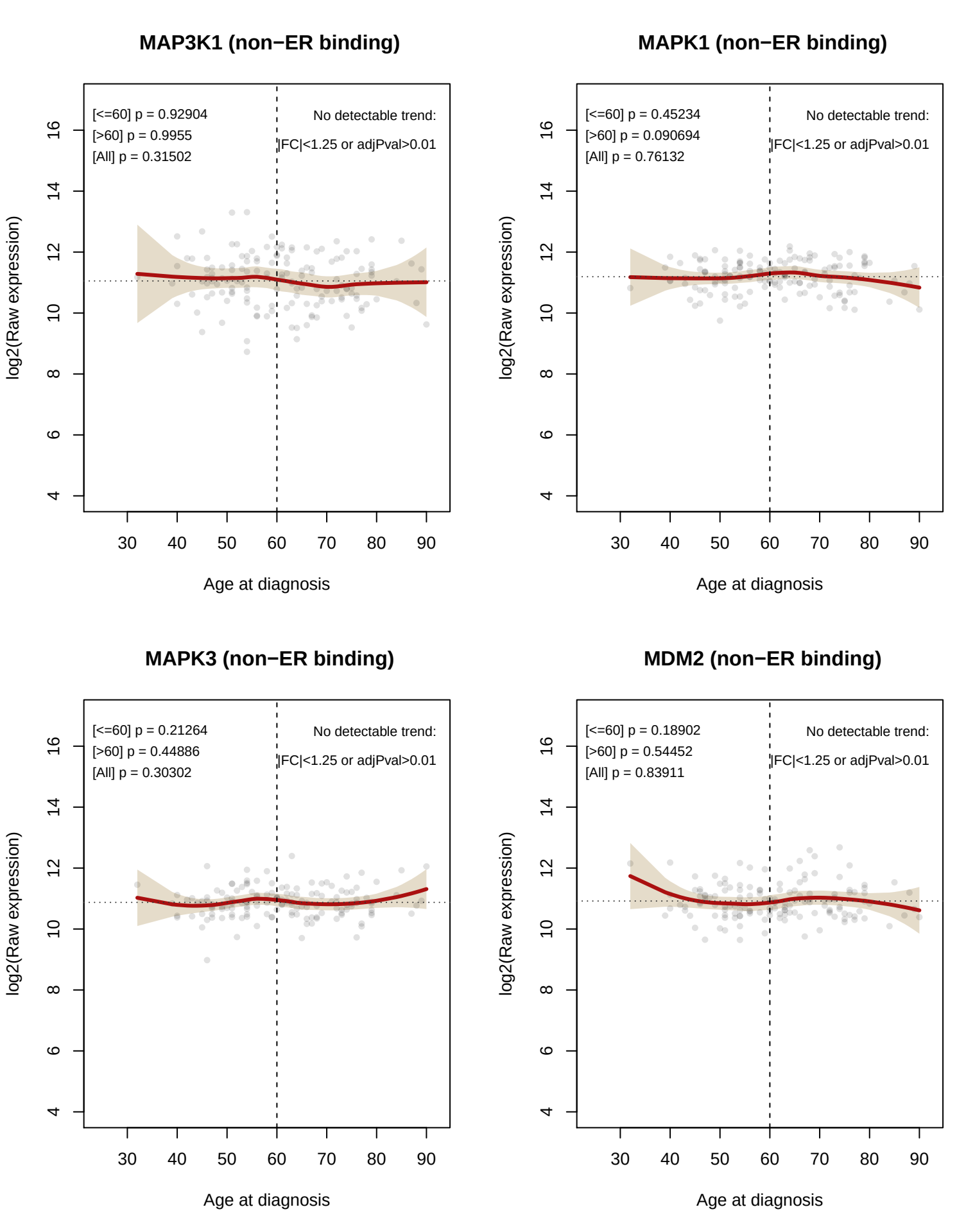


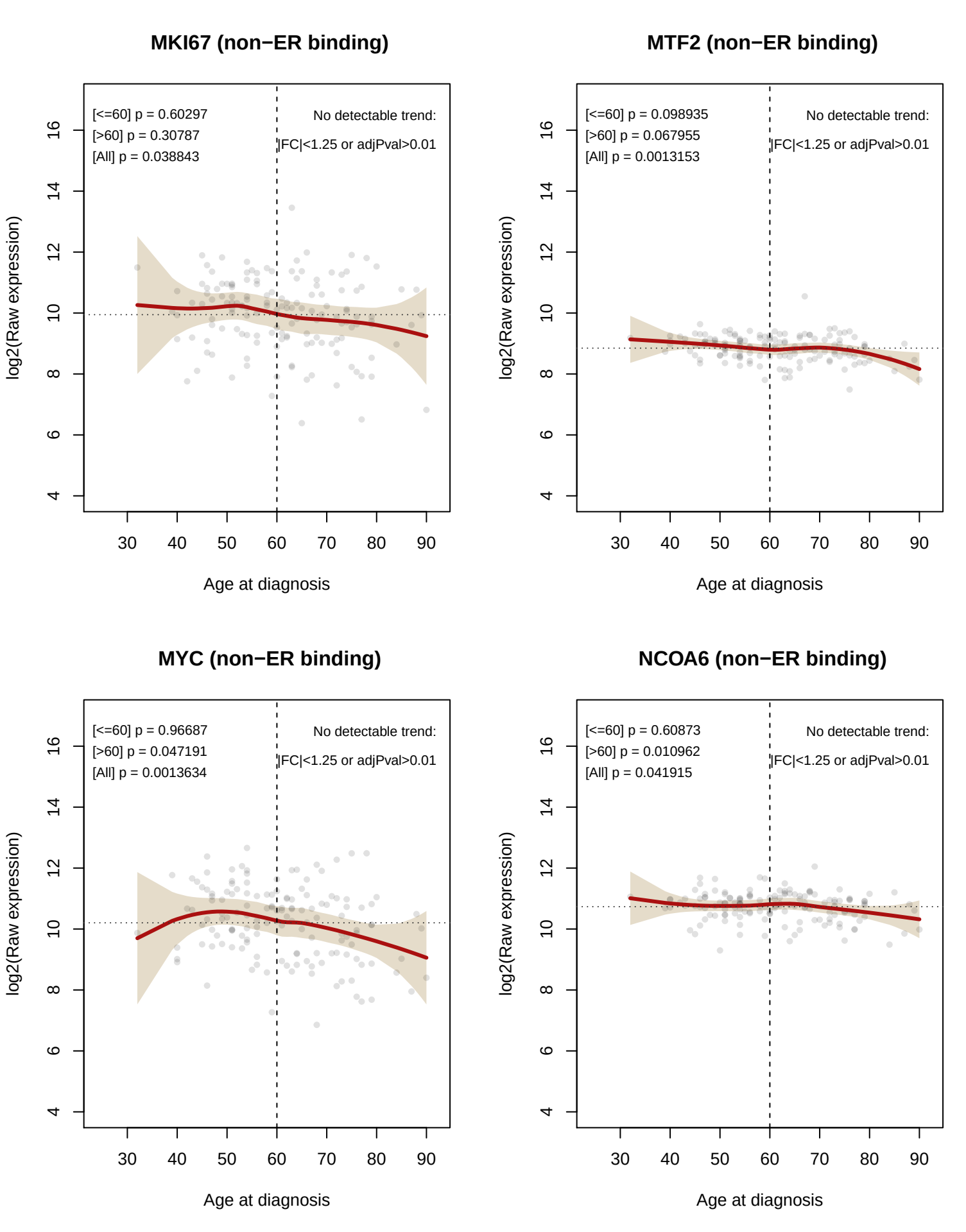
LEF1 (non−ER binding)

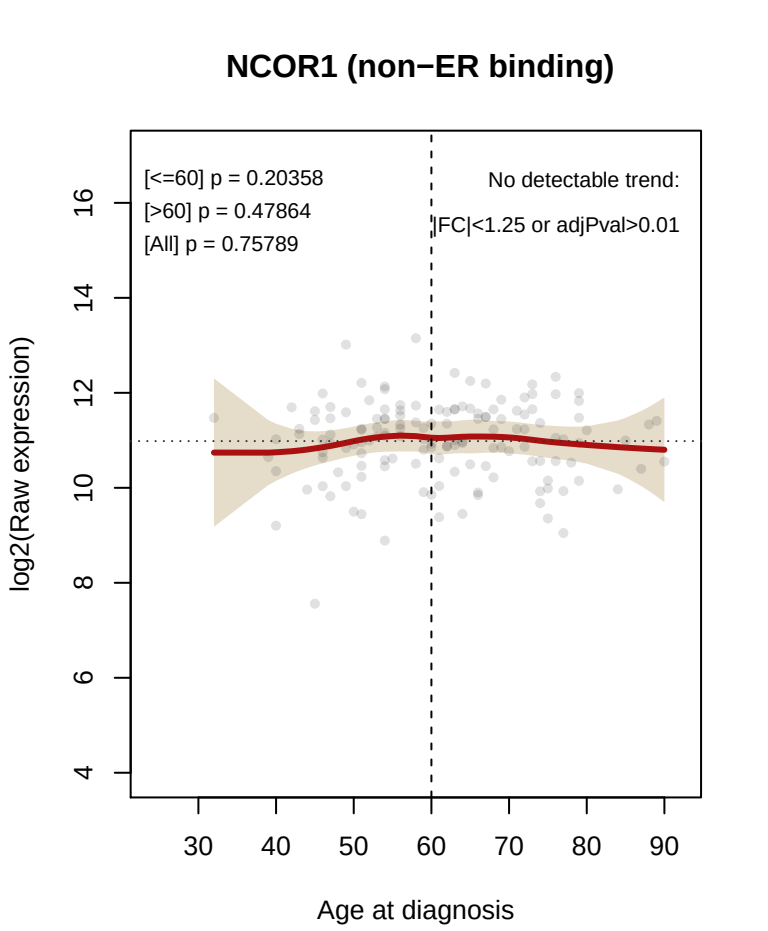


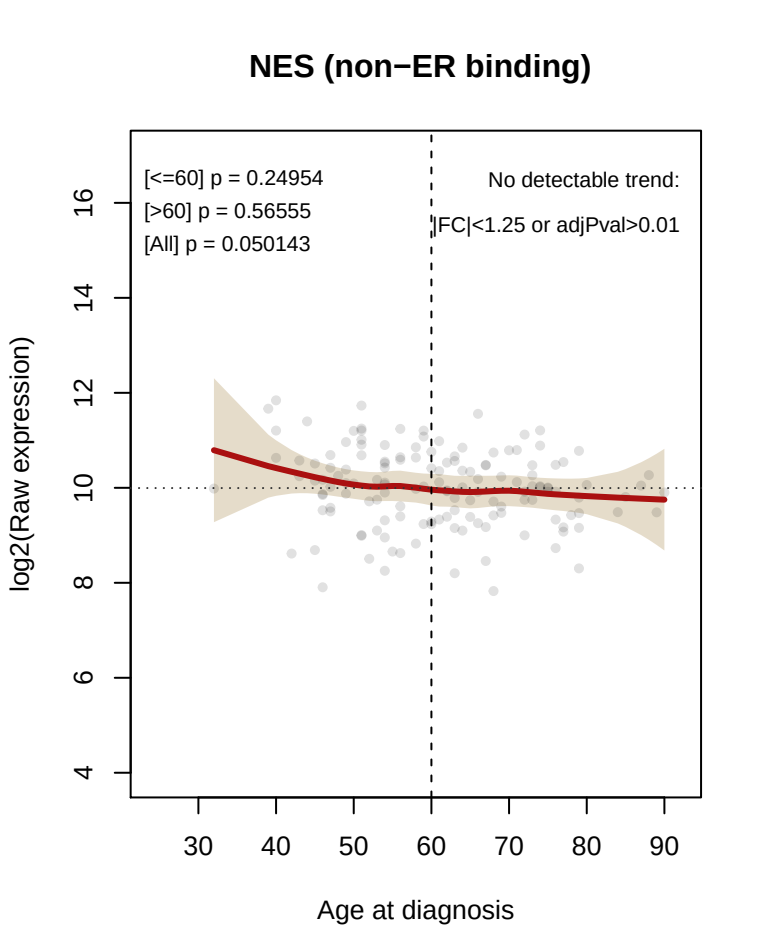
MAP2K1 (non−ER binding)

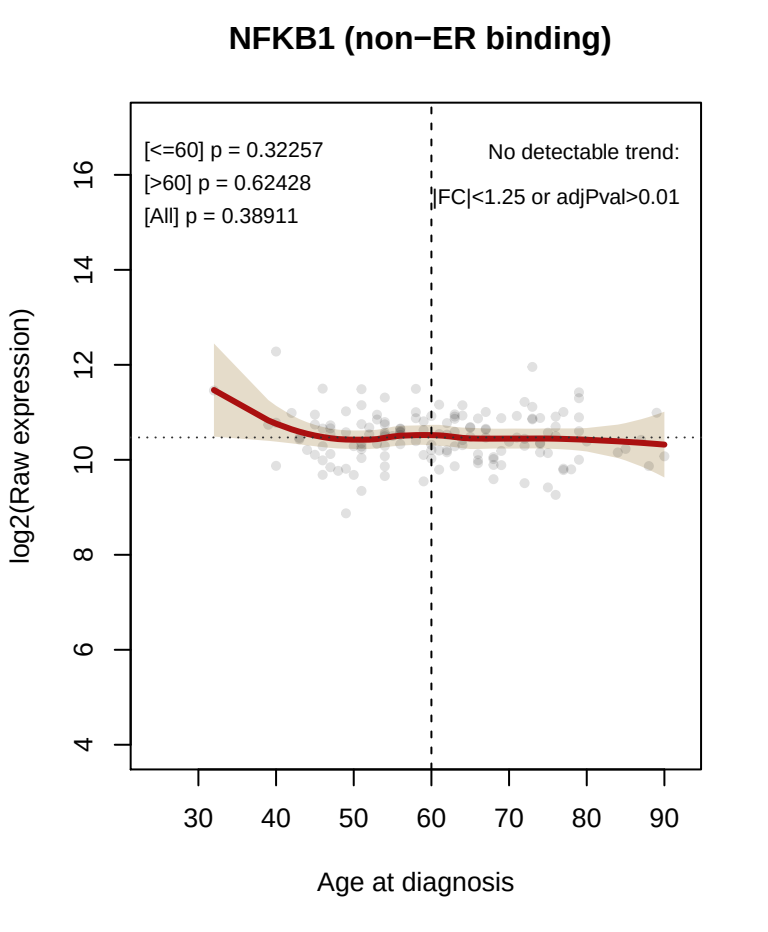


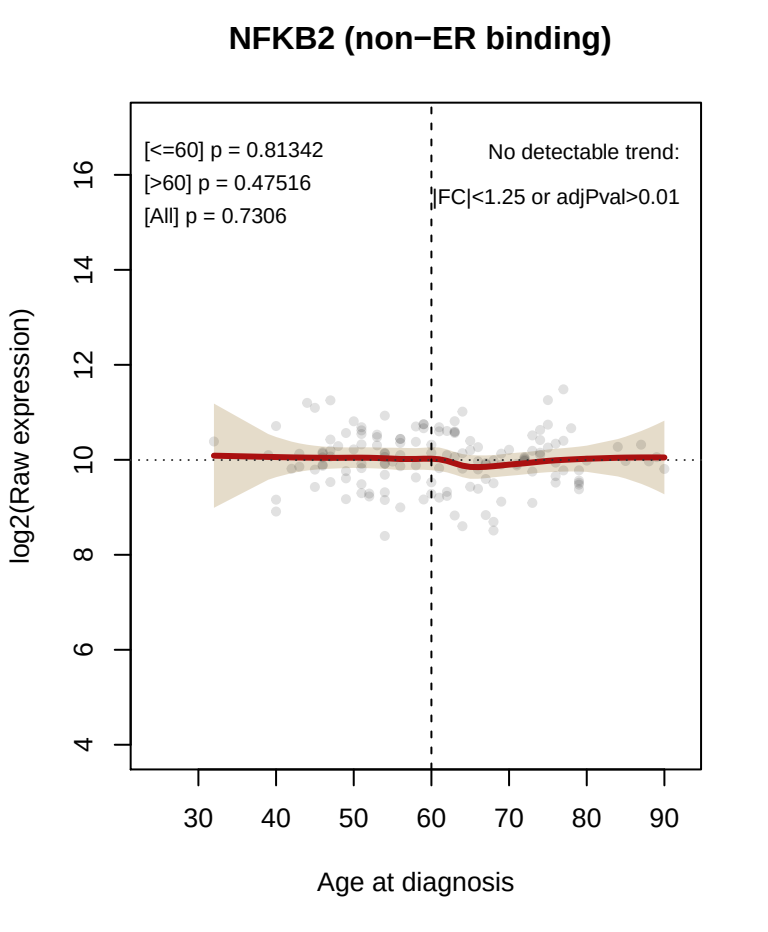

MAP3K1 (non−ER binding)
[<=60] p = 0.92904
[>60] p = 0.9955
[All] p = 0.31502
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
MAPK1 (non−ER binding)
[<=60] p = 0.45234
[>60] p = 0.090694
[All] p = 0.76132
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
MAPK3 (non−ER binding)
[<=60] p = 0.21264
[>60] p = 0.44886
[All] p = 0.30302
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
MDM2 (non−ER binding)
[<=60] p = 0.18902
[>60] p = 0.54452
[All] p = 0.83911
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


MKI67 (non−ER binding)
[<=60] p = 0.60297
[>60] p = 0.30787
[All] p = 0.038843
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
MTF2 (non−ER binding)
[<=60] p = 0.098935
[>60] p = 0.067955
[All] p = 0.0013153
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
MYC (non−ER binding)
[<=60] p = 0.96687
[>60] p = 0.047191
[All] p = 0.0013634
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
NCOA6 (non−ER binding)
[<=60] p = 0.60873
[>60] p = 0.010962
[All] p = 0.041915
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

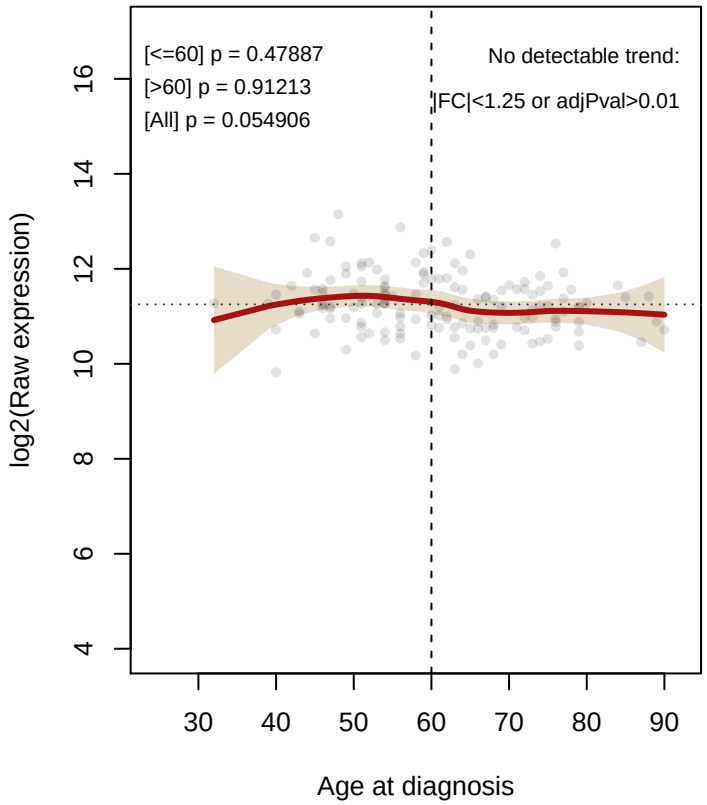

NCOR1 (non−ER binding)
[<=60] p = 0.20358
[>60] p = 0.47864
[All] p = 0.75789
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


NES (non−ER binding)
[<=60] p = 0.24954
[>60] p = 0.56555
[All] p = 0.050143
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

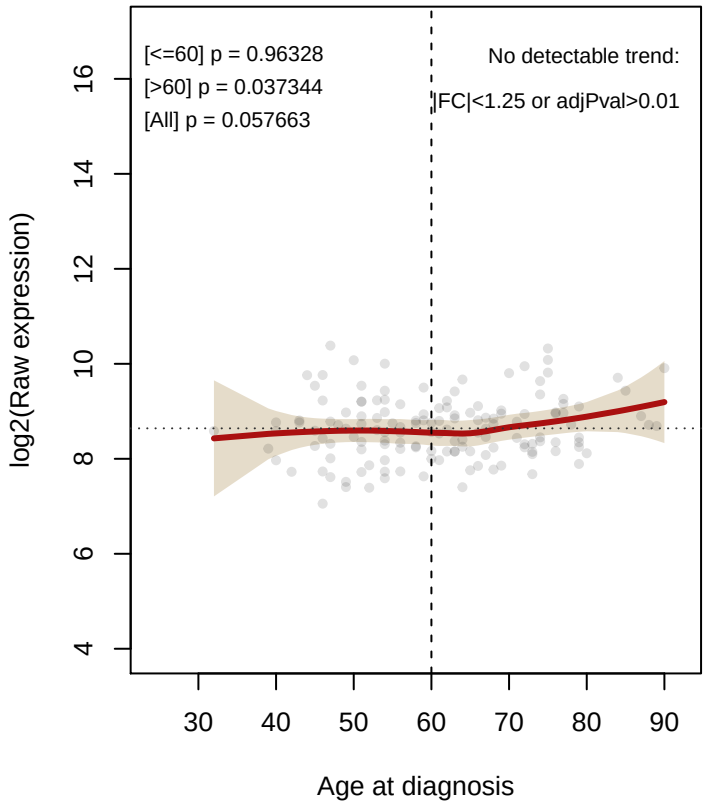

NFKB1 (non−ER binding)
[<=60] p = 0.32257
[>60] p = 0.62428
[All] p = 0.38911
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


NFKB2 (non−ER binding)
[<=60] p = 0.81342
[>60] p = 0.47516
[All] p = 0.7306
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

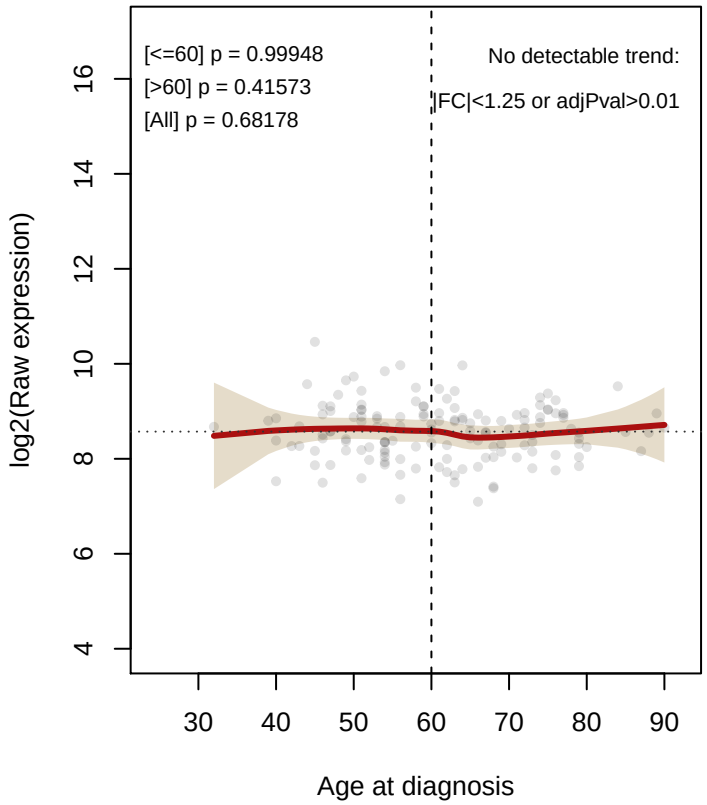
NFKBIA (non−ER binding)



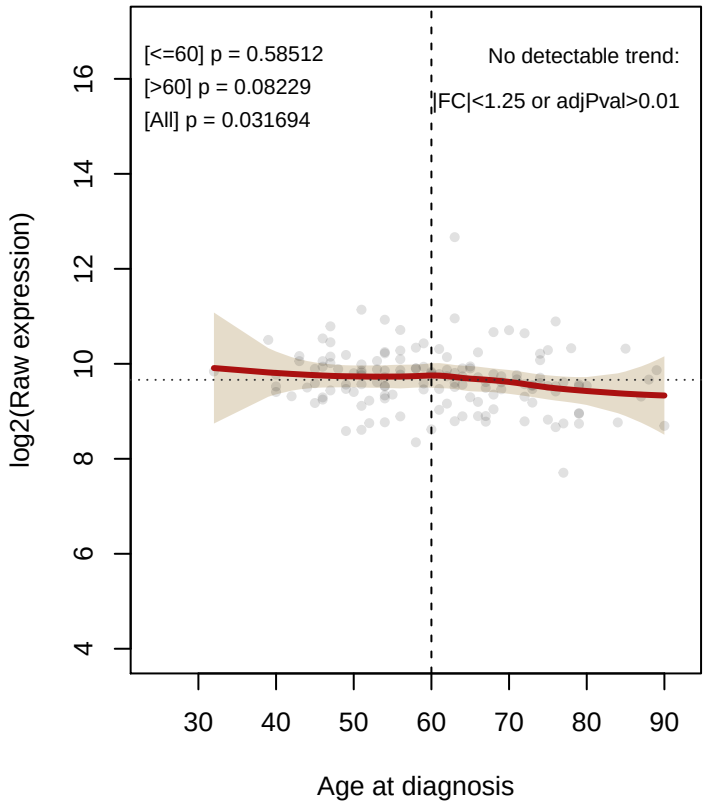
NFKBIB (non−ER binding)



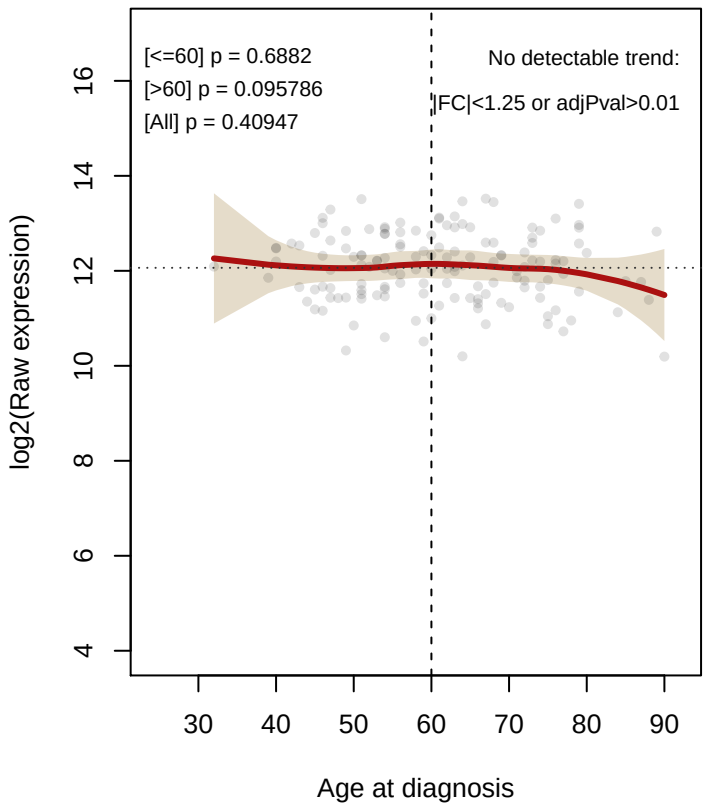
NFKBIE (non−ER binding)



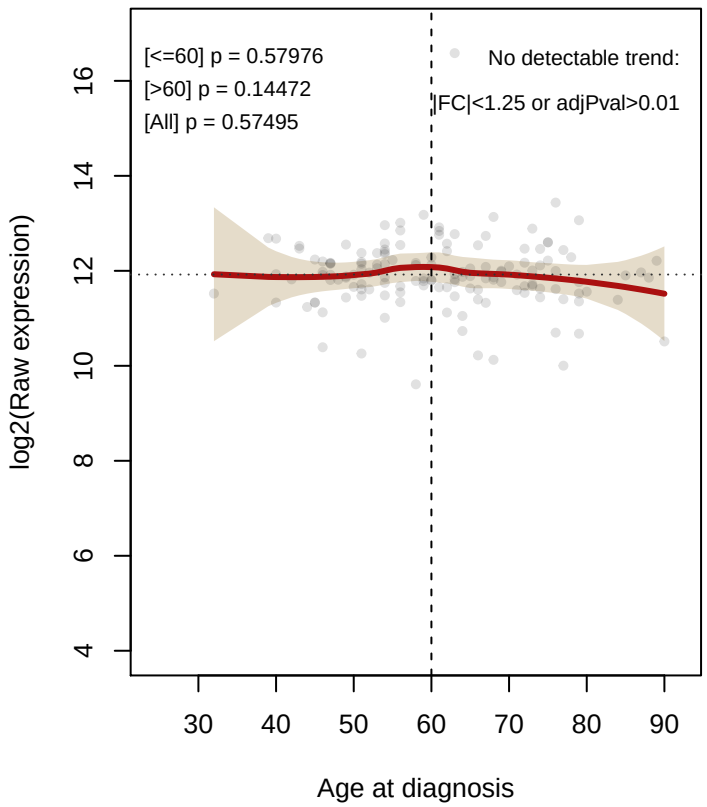
NOTCH1 (non−ER binding)



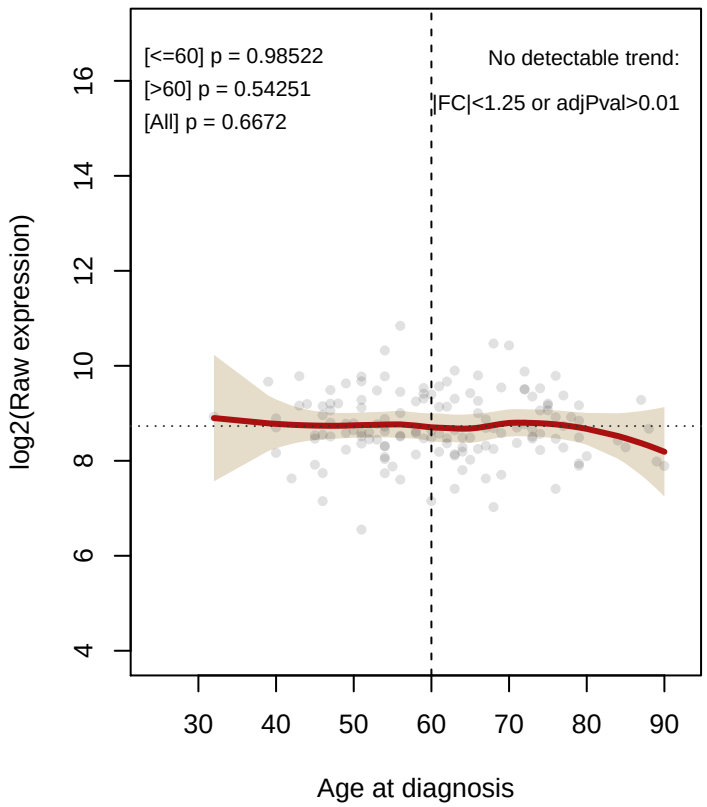
NOTCH2 (non−ER binding)



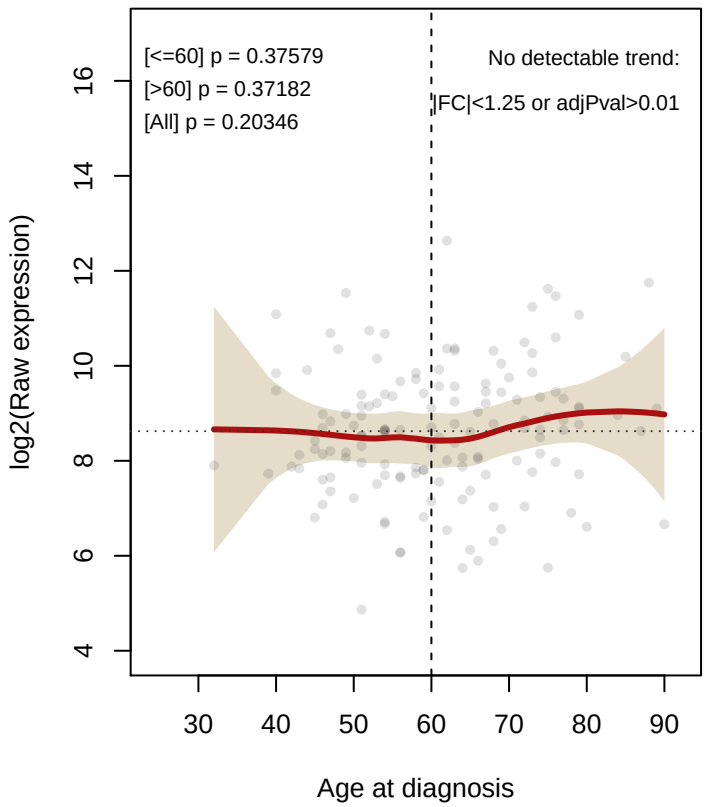
NOTCH3 (non−ER binding)

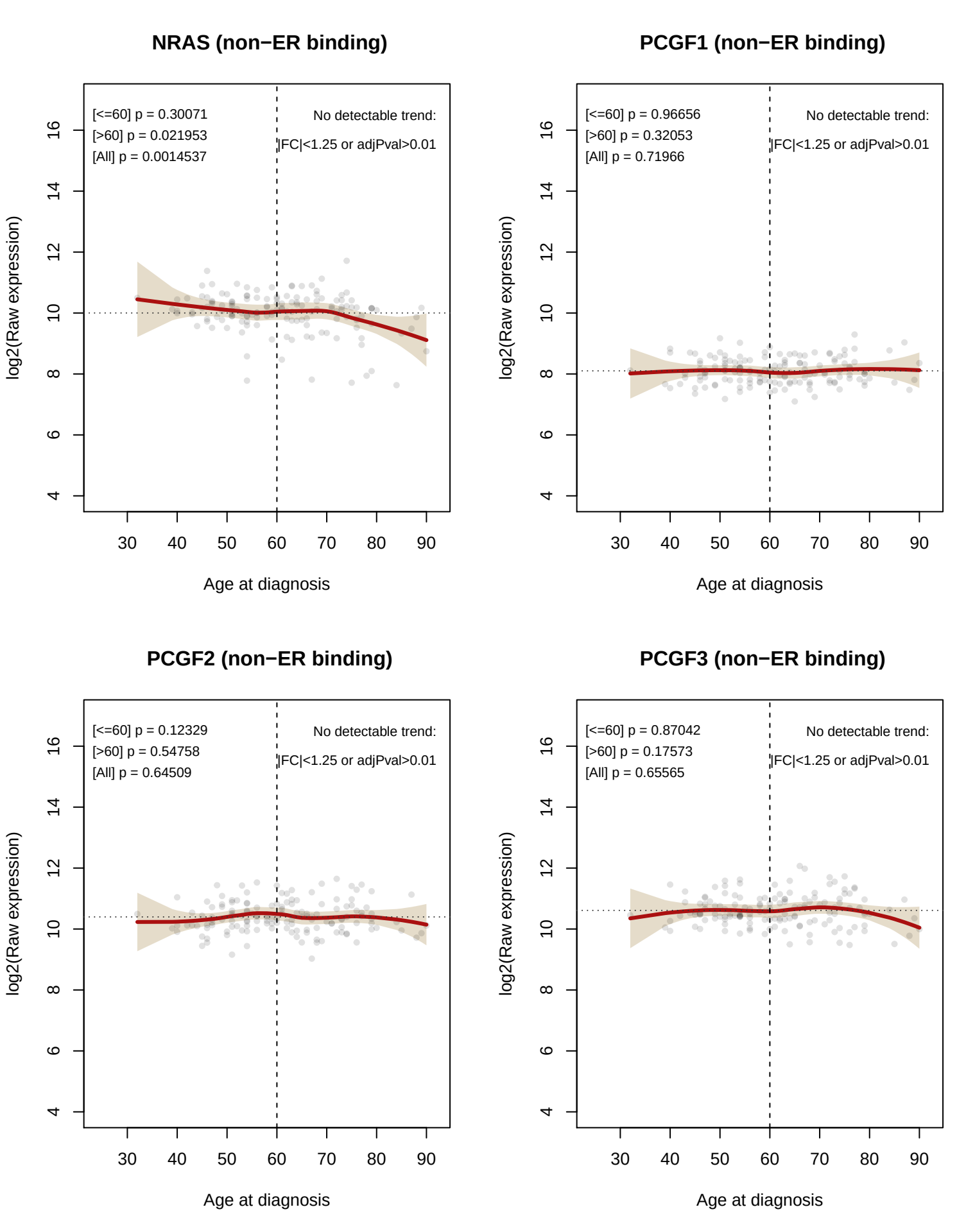


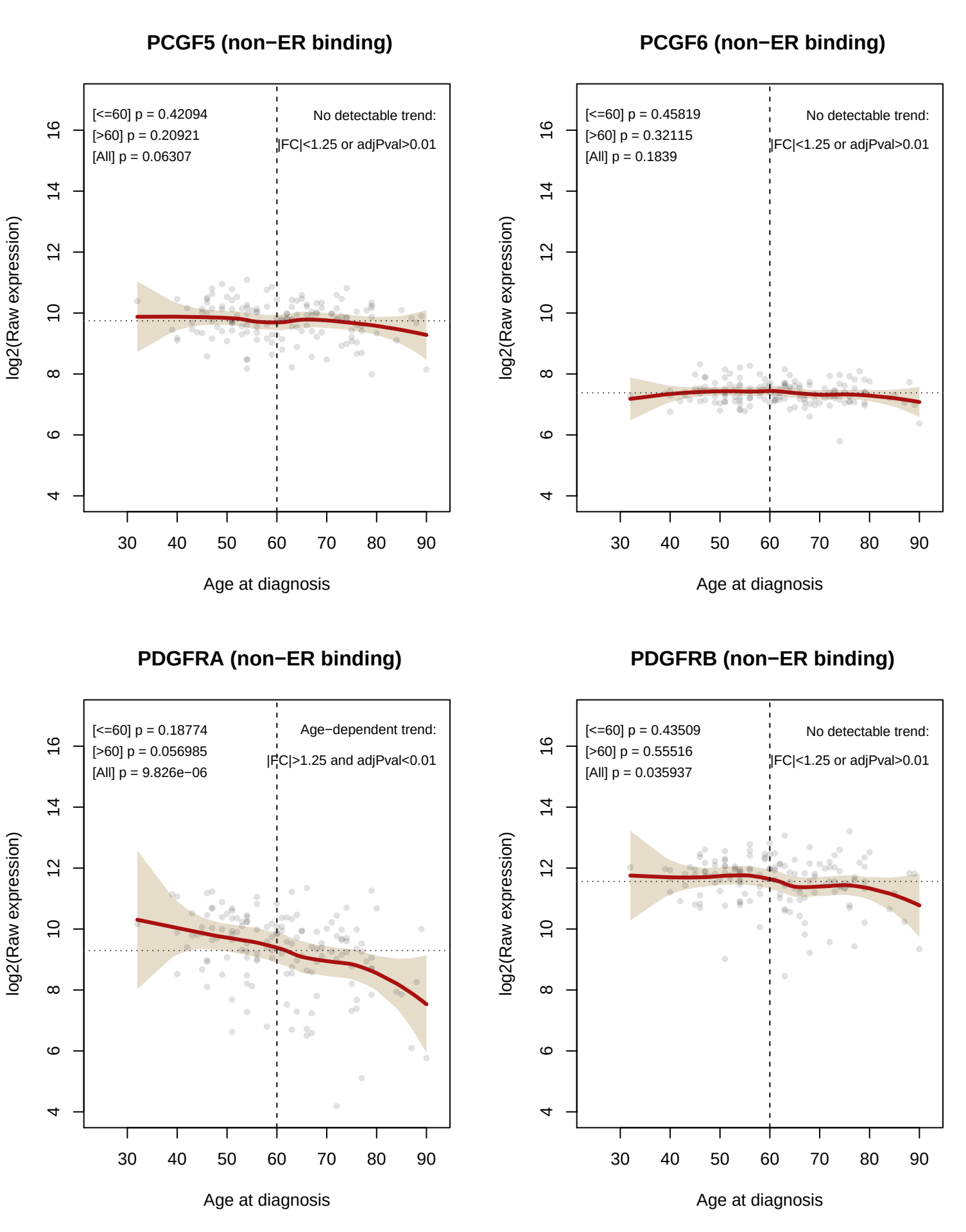
NOTCH4 (non−ER binding)

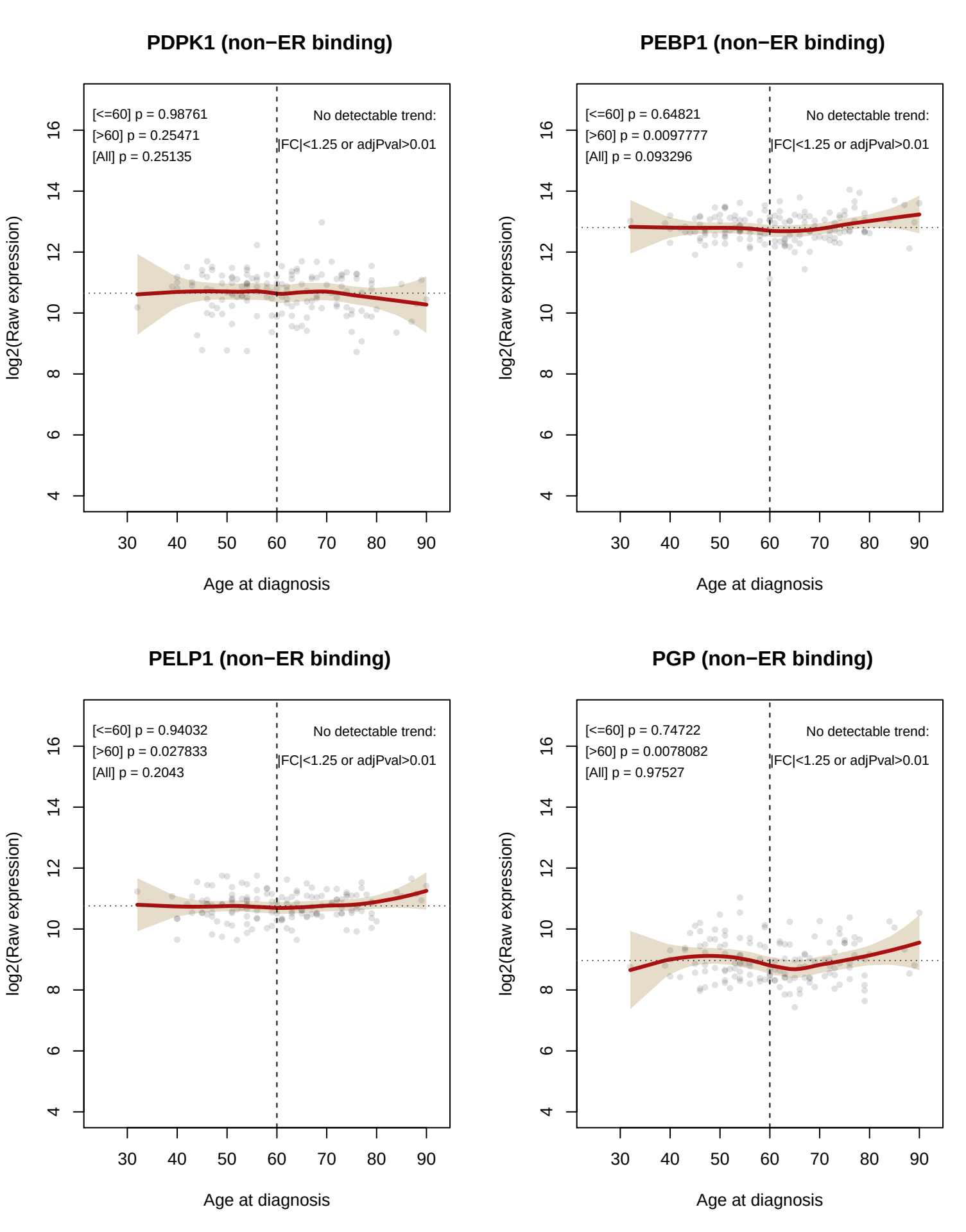


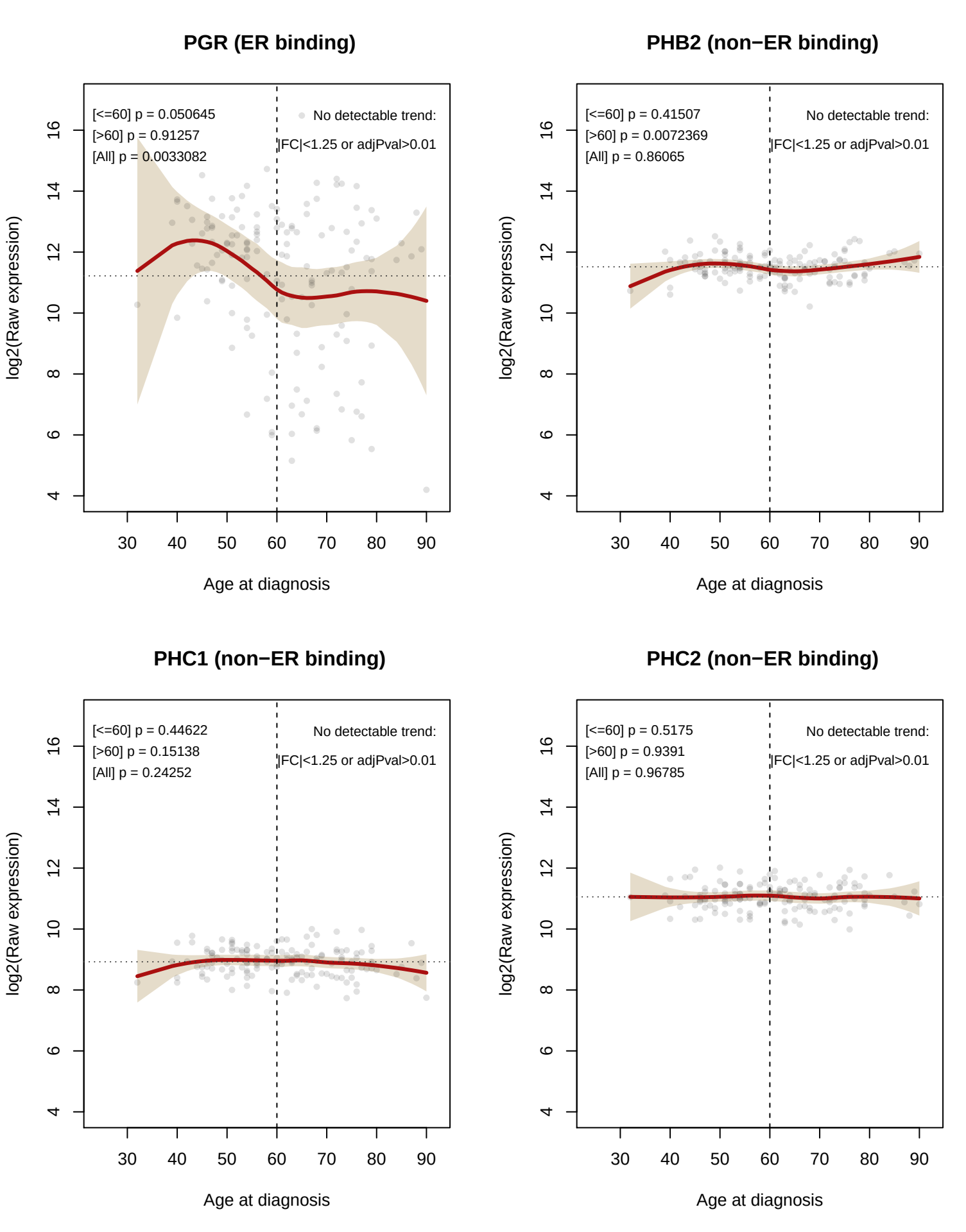
NR4A2 (non−ER binding)

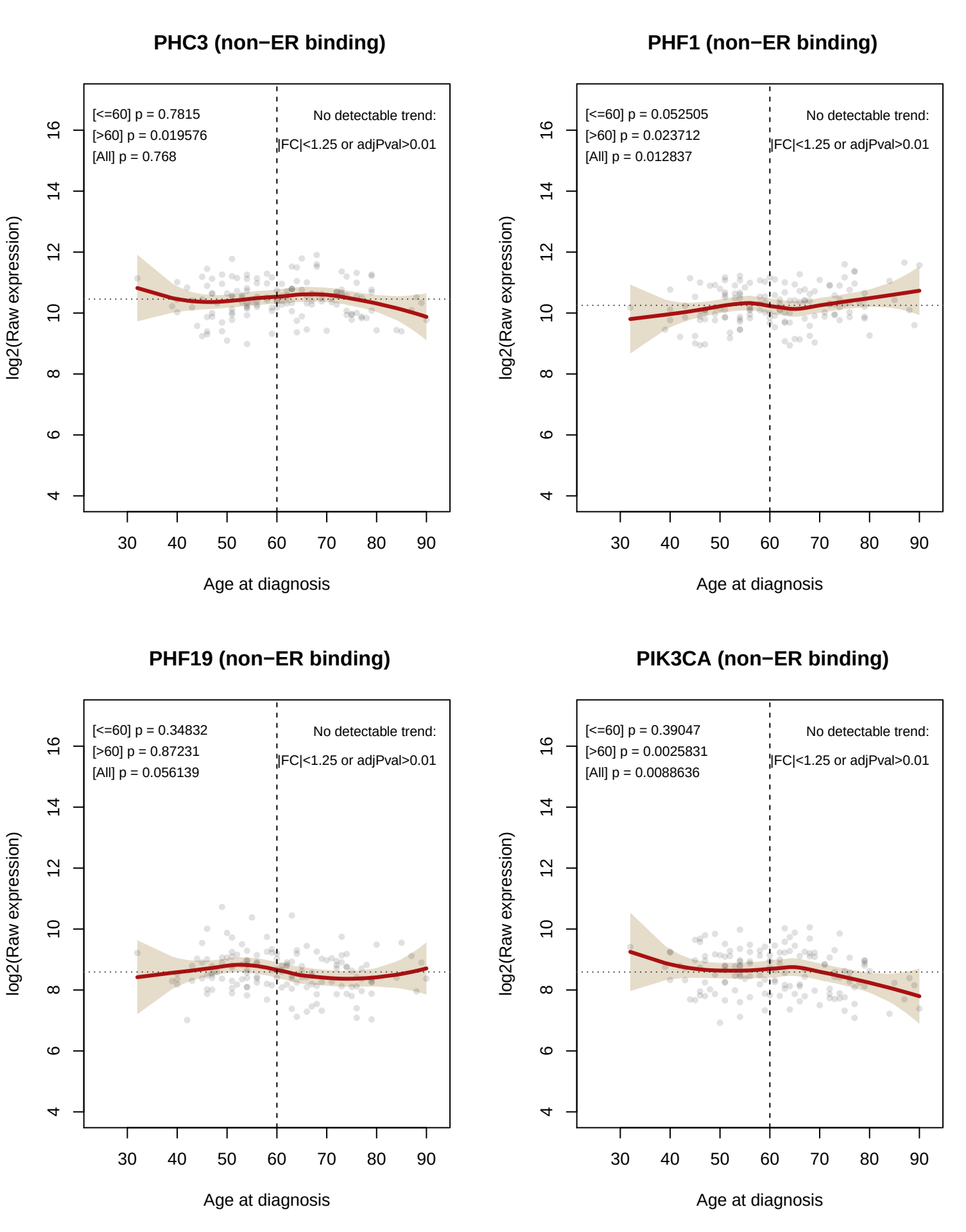


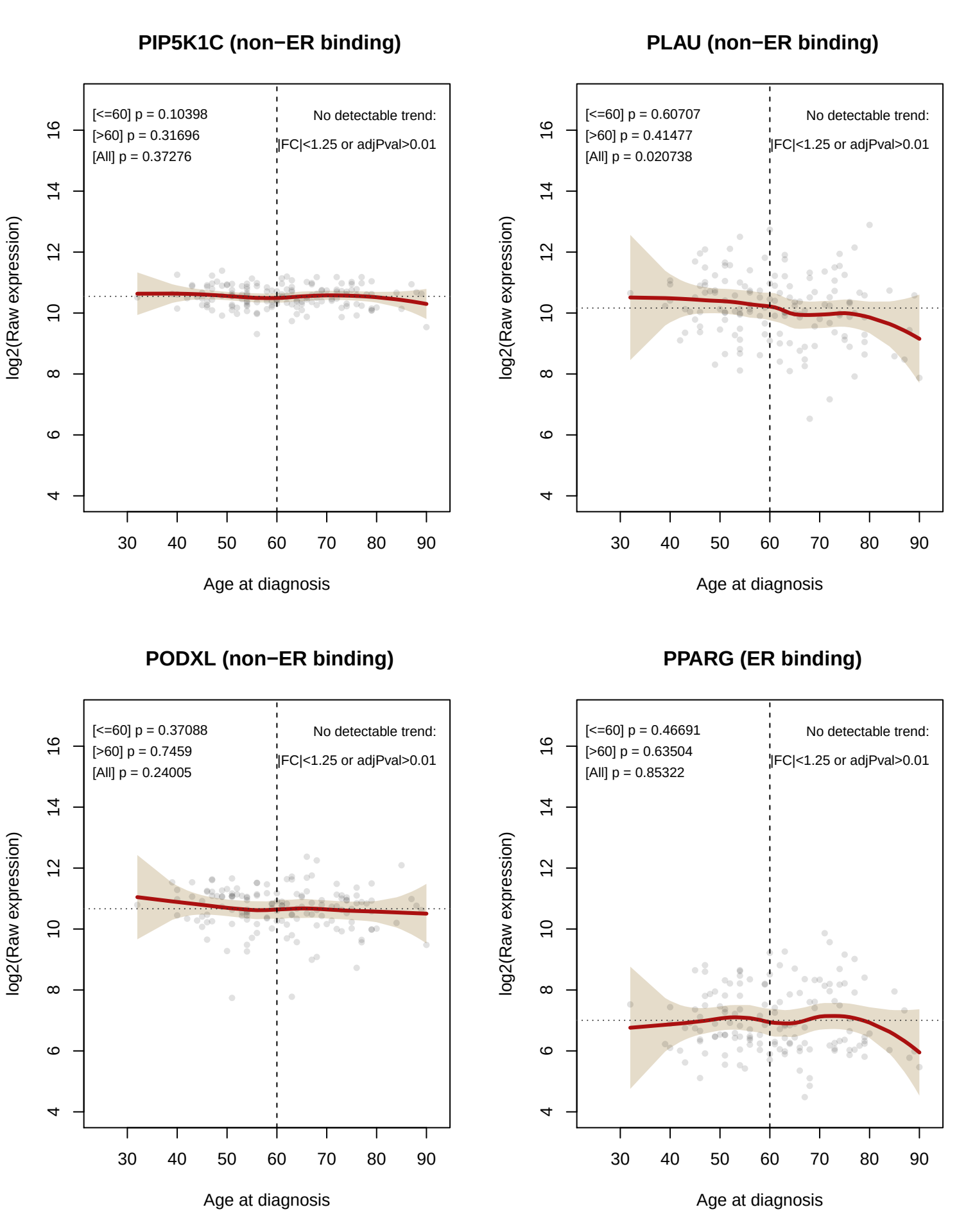

NRAS (non−ER binding)
[<=60] p = 0.30071
[>60] p = 0.021953
[All] p = 0.0014537
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PCGF1 (non−ER binding)
[<=60] p = 0.96656
[>60] p = 0.32053
[All] p = 0.71966
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PCGF2 (non−ER binding)
[<=60] p = 0.12329
[>60] p = 0.54758
[All] p = 0.64509
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PCGF3 (non−ER binding)
[<=60] p = 0.87042
[>60] p = 0.17573
[All] p = 0.65565
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

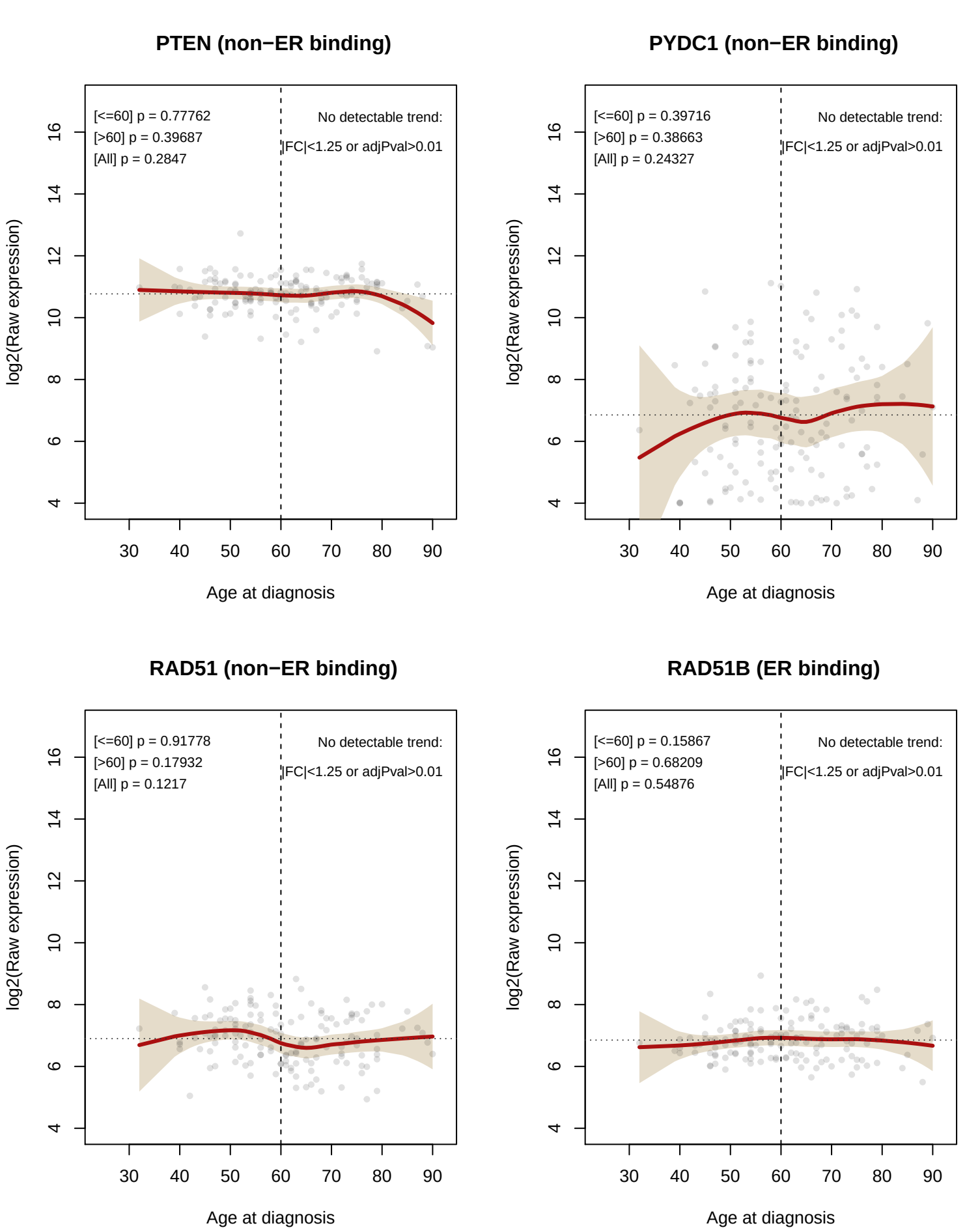

PCGF5 (non−ER binding)
[<=60] p = 0.42094
[>60] p = 0.20921
[All] p = 0.06307
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PCGF6 (non−ER binding)
[<=60] p = 0.45819
[>60] p = 0.32115
[All] p = 0.1839
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PDGFRA (non−ER binding)
[<=60] p = 0.18774
[>60] p = 0.056985
[All] p = 9.826e−06
Age−dependent trend:
|FC|>1.25 and adjPval<0.01
log2(Raw expression)
Age at diagnosis
PDGFRB (non−ER binding)
[<=60] p = 0.43509
[>60] p = 0.55516
[All] p = 0.035937
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

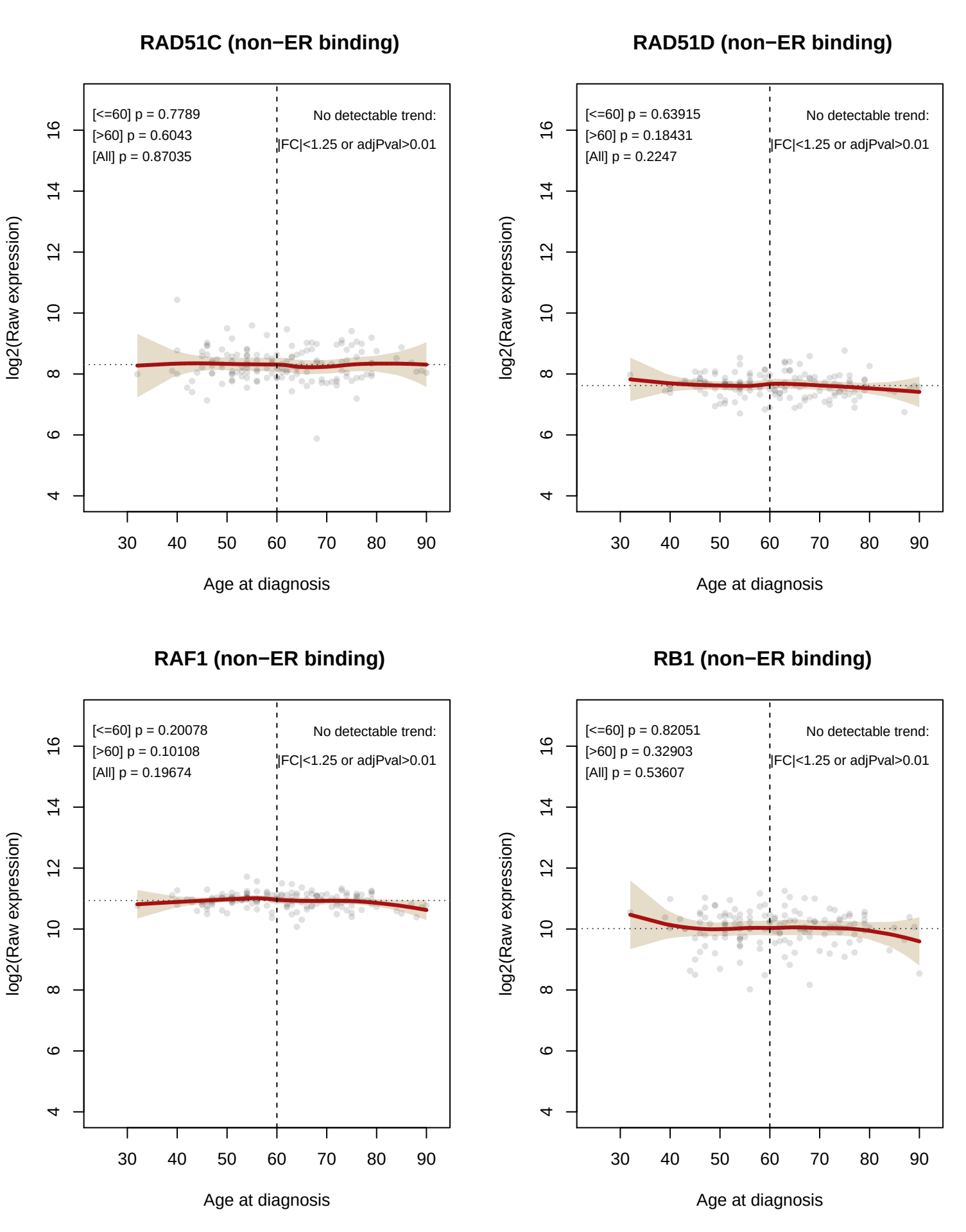

PDPK1 (non−ER binding)
[<=60] p = 0.98761
[>60] p = 0.25471
[All] p = 0.25135
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PEBP1 (non−ER binding)
[<=60] p = 0.64821
[>60] p = 0.0097777
[All] p = 0.093296
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PELP1 (non−ER binding)
[<=60] p = 0.94032
[>60] p = 0.027833
[All] p = 0.2043
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PGP (non−ER binding)
[<=60] p = 0.74722
[>60] p = 0.0078082
[All] p = 0.97527
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


PGR (ER binding)
[<=60] p = 0.050645
[>60] p = 0.91257
[All] p = 0.0033082
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PHB2 (non−ER binding)
[<=60] p = 0.41507
[>60] p = 0.0072369
[All] p = 0.86065
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PHC1 (non−ER binding)
[<=60] p = 0.44622
[>60] p = 0.15138
[All] p = 0.24252
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PHC2 (non−ER binding)
[<=60] p = 0.5175
[>60] p = 0.9391
[All] p = 0.96785
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

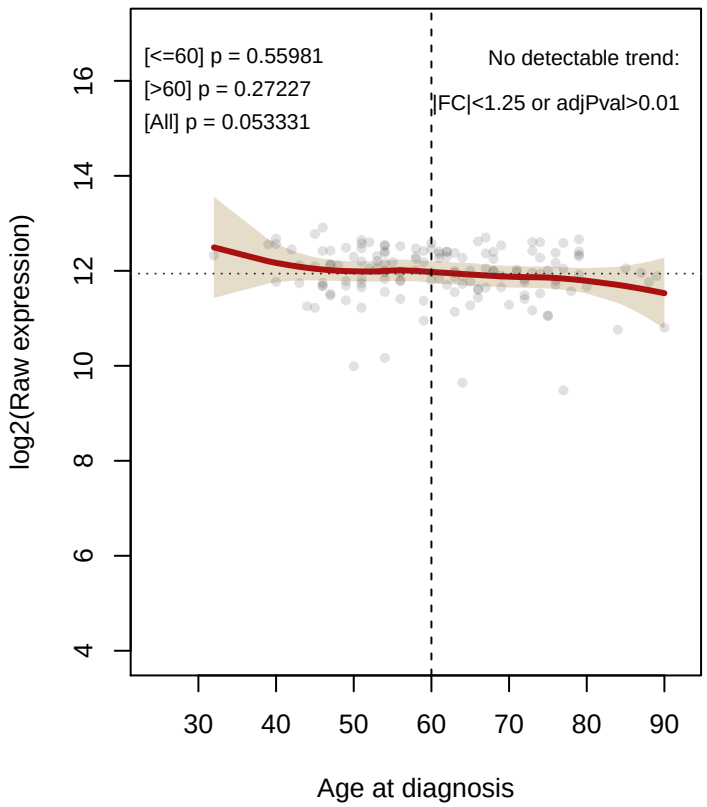

PHC3 (non−ER binding)
[<=60] p = 0.7815
[>60] p = 0.019576
[All] p = 0.768
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PHF1 (non−ER binding)
[<=60] p = 0.052505
[>60] p = 0.023712
[All] p = 0.012837
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PHF19 (non−ER binding)
[<=60] p = 0.34832
[>60] p = 0.87231
[All] p = 0.056139
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PIK3CA (non−ER binding)
[<=60] p = 0.39047
[>60] p = 0.0025831
[All] p = 0.0088636
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


PIP5K1C (non−ER binding)
[<=60] p = 0.10398
[>60] p = 0.31696
[All] p = 0.37276
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PLAU (non−ER binding)
[<=60] p = 0.60707
[>60] p = 0.41477
[All] p = 0.020738
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PODXL (non−ER binding)
[<=60] p = 0.37088
[>60] p = 0.7459
[All] p = 0.24005
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PPARG (ER binding)
[<=60] p = 0.46691
[>60] p = 0.63504
[All] p = 0.85322
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

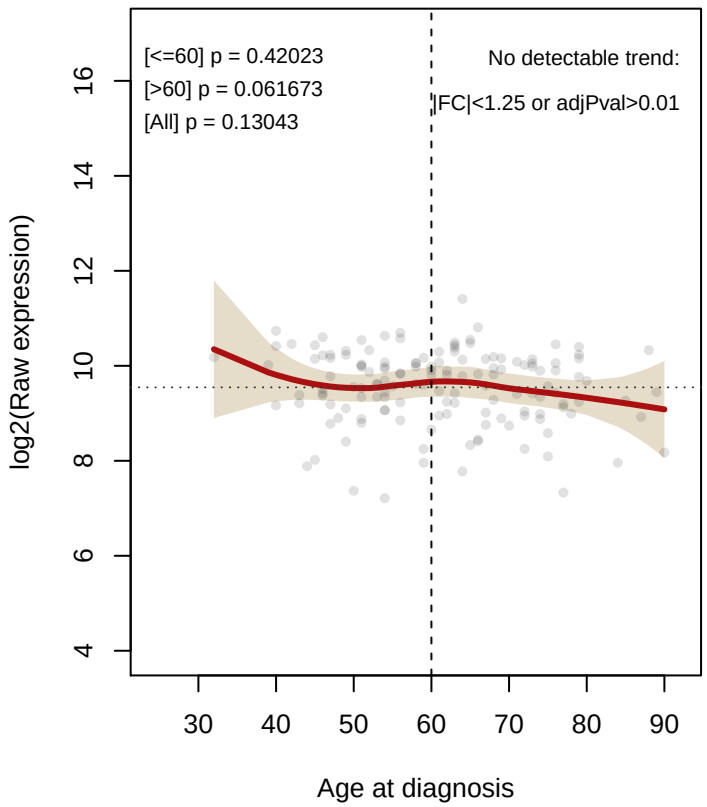

PTEN (non−ER binding)
[<=60] p = 0.77762
[>60] p = 0.39687
[All] p = 0.2847
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
PYDC1 (non−ER binding)
[<=60] p = 0.39716
[>60] p = 0.38663
[All] p = 0.24327
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
RAD51 (non−ER binding)
[<=60] p = 0.91778
[>60] p = 0.17932
[All] p = 0.1217
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
RAD51B (ER binding)
[<=60] p = 0.15867
[>60] p = 0.68209
[All] p = 0.54876
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


RAD51C (non−ER binding)
[<=60] p = 0.7789
[>60] p = 0.6043
[All] p = 0.87035
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
RAD51D (non−ER binding)
[<=60] p = 0.63915
[>60] p = 0.18431
[All] p = 0.2247
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
RAF1 (non−ER binding)
[<=60] p = 0.20078
[>60] p = 0.10108
[All] p = 0.19674
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
RB1 (non−ER binding)
[<=60] p = 0.82051
[>60] p = 0.32903
[All] p = 0.53607
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

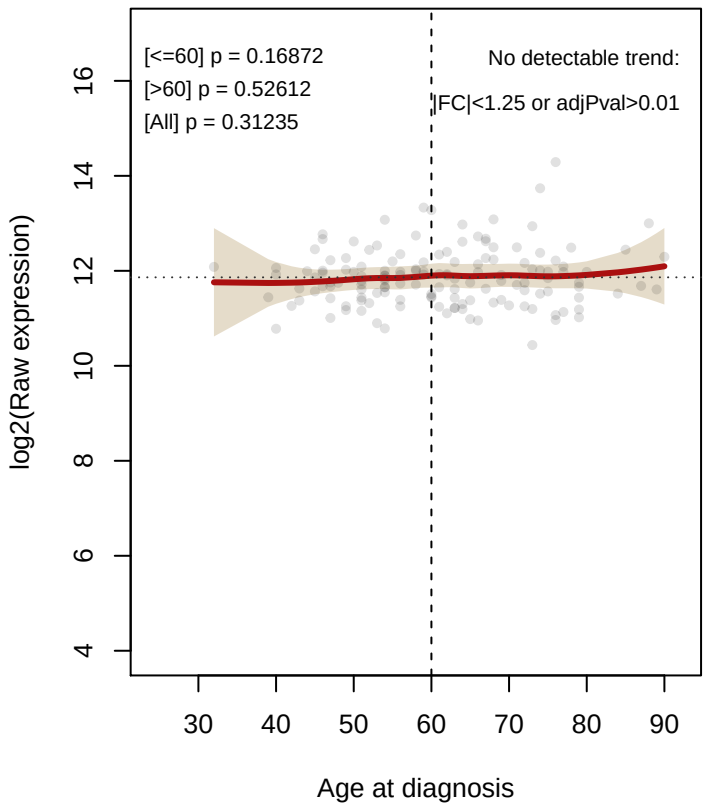
RBBP4 (non−ER binding)



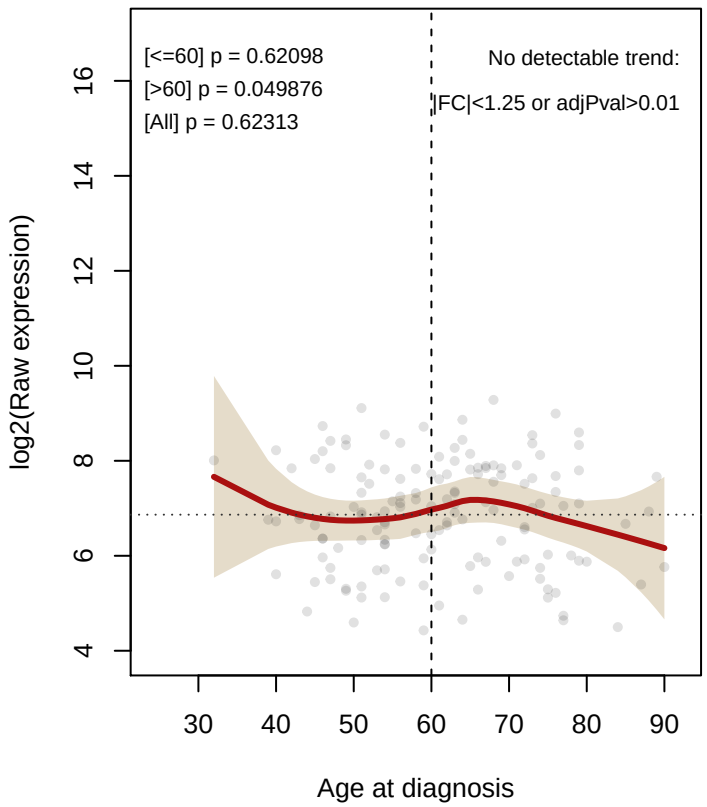
RBBP5 (non−ER binding)

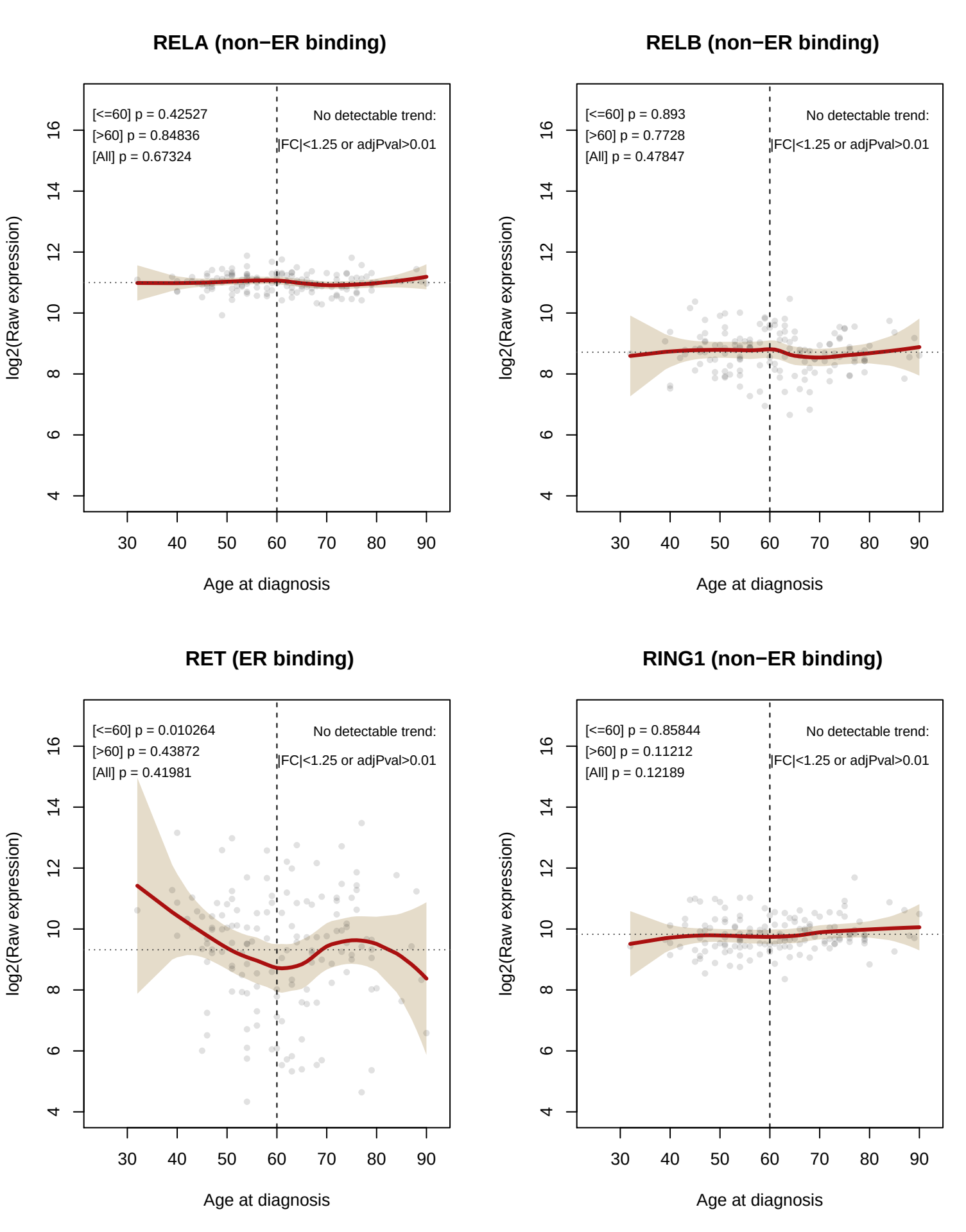


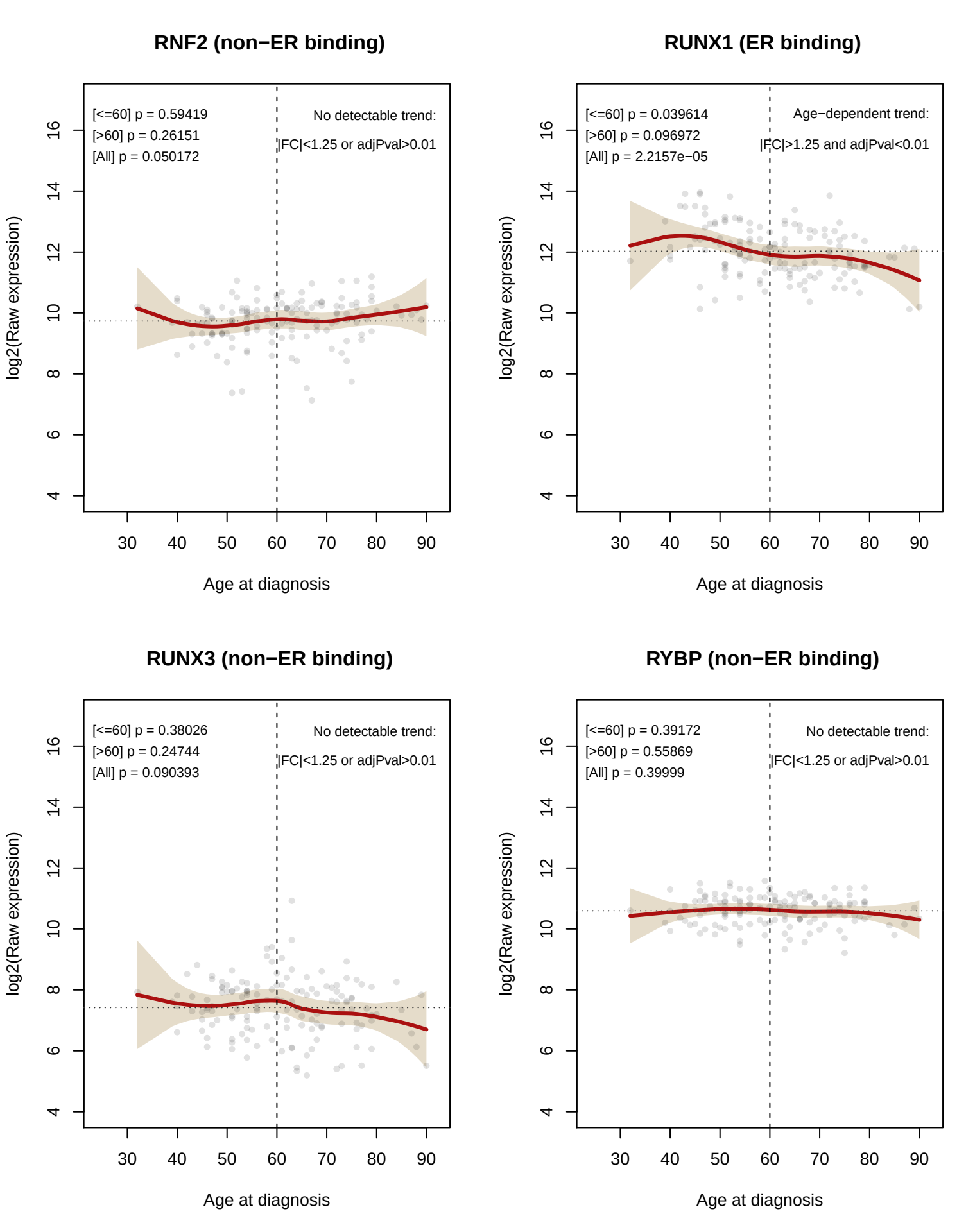
RBBP7 (non−ER binding)

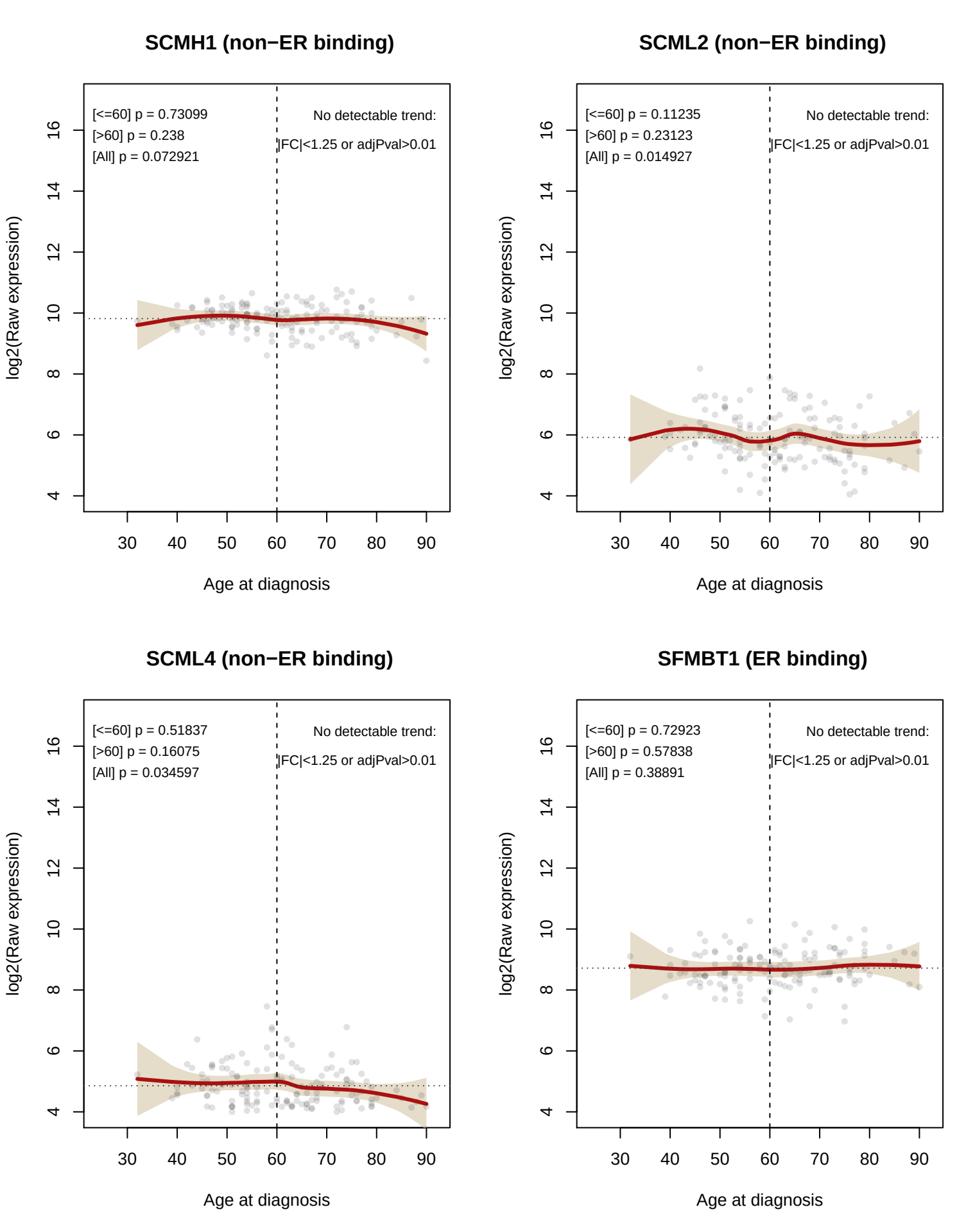


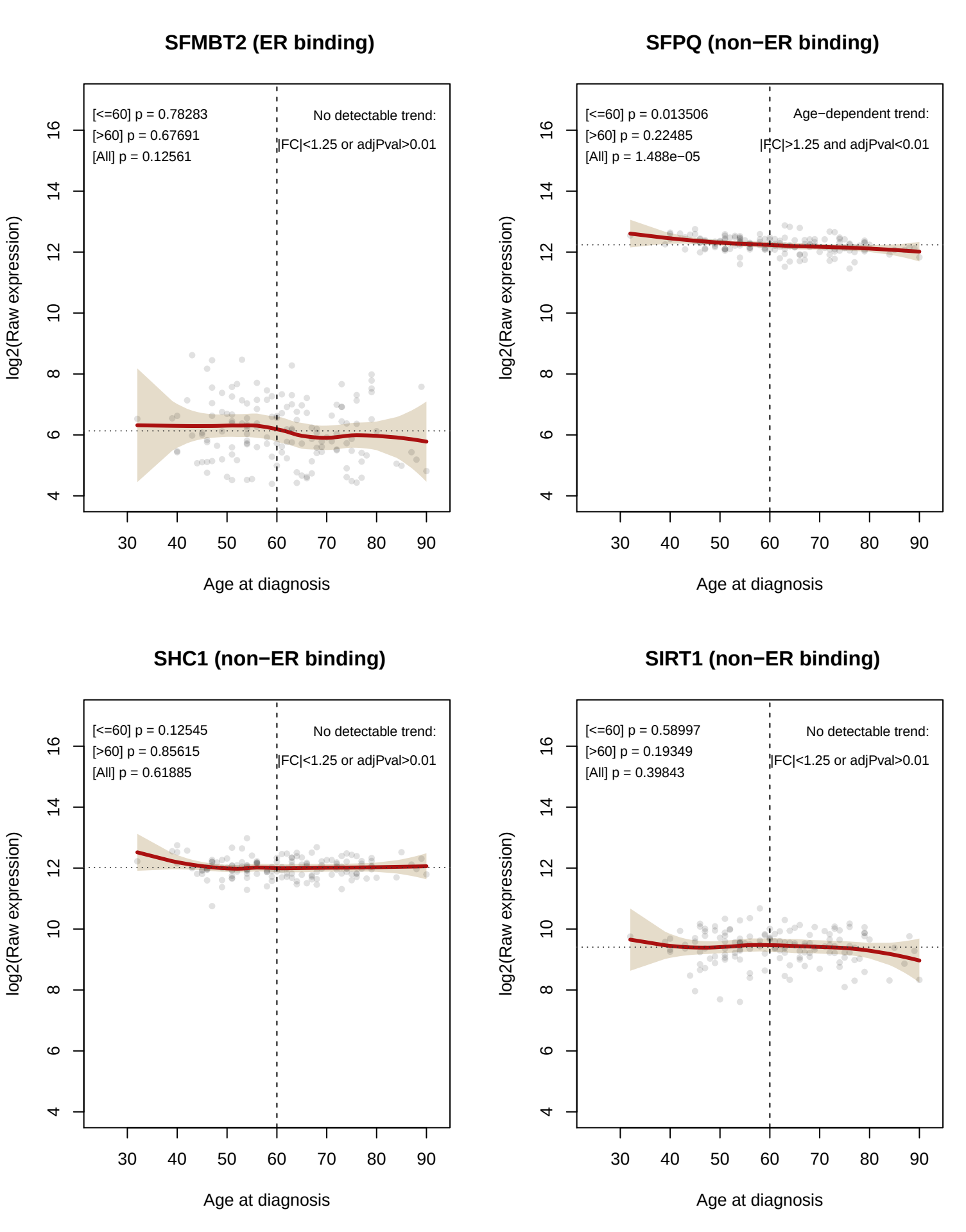
REL (non−ER binding)

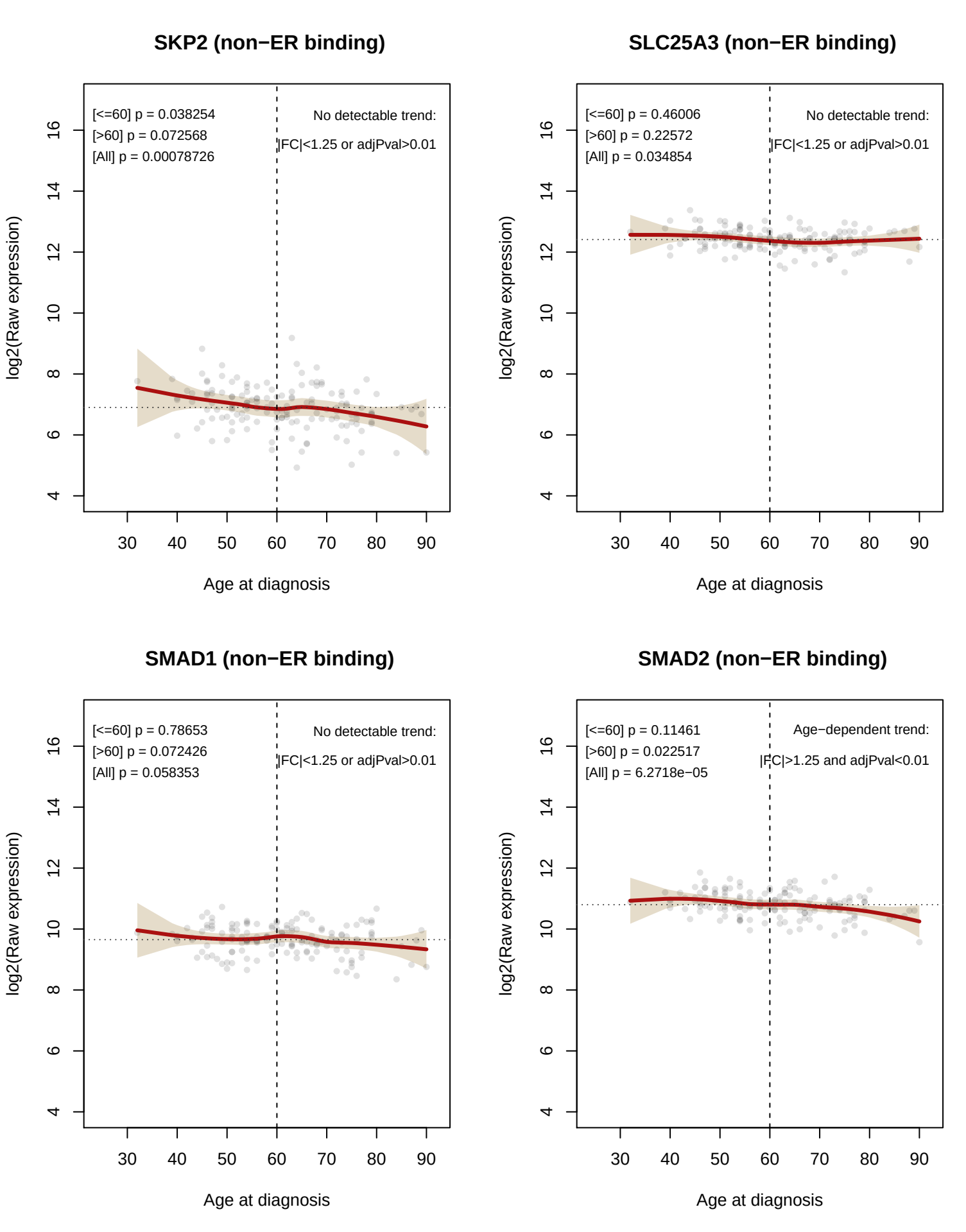



RELA (non−ER binding)
[<=60] p = 0.42527
[>60] p = 0.84836
[All] p = 0.67324
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
RELB (non−ER binding)
[<=60] p = 0.893
[>60] p = 0.7728
[All] p = 0.47847
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
RET (ER binding)
[<=60] p = 0.010264
[>60] p = 0.43872
[All] p = 0.41981
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
RING1 (non−ER binding)
[<=60] p = 0.85844
[>60] p = 0.11212
[All] p = 0.12189
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

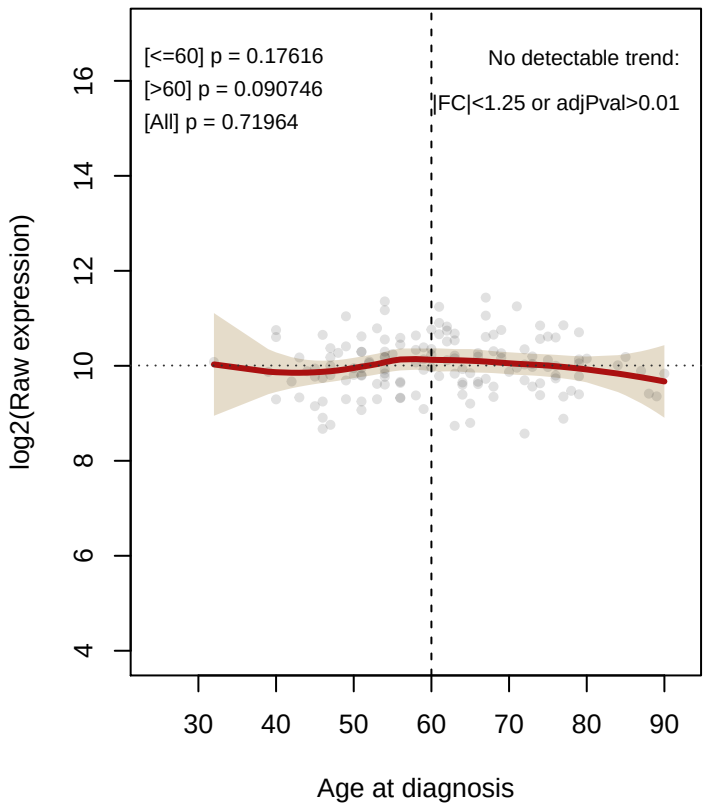

RNF2 (non−ER binding)
[<=60] p = 0.59419
[>60] p = 0.26151
[All] p = 0.050172
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
RUNX1 (ER binding)
[<=60] p = 0.039614
[>60] p = 0.096972
[All] p = 2.2157e−05
Age−dependent trend:
|FC|>1.25 and adjPval<0.01
log2(Raw expression)
Age at diagnosis
RUNX3 (non−ER binding)
[<=60] p = 0.38026
[>60] p = 0.24744
[All] p = 0.090393
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
RYBP (non−ER binding)
[<=60] p = 0.39172
[>60] p = 0.55869
[All] p = 0.39999
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


SCMH1 (non−ER binding)
[<=60] p = 0.73099
[>60] p = 0.238
[All] p = 0.072921
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
SCML2 (non−ER binding)
[<=60] p = 0.11235
[>60] p = 0.23123
[All] p = 0.014927
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
SCML4 (non−ER binding)
[<=60] p = 0.51837
[>60] p = 0.16075
[All] p = 0.034597
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
SFMBT1 (ER binding)
[<=60] p = 0.72923
[>60] p = 0.57838
[All] p = 0.38891
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

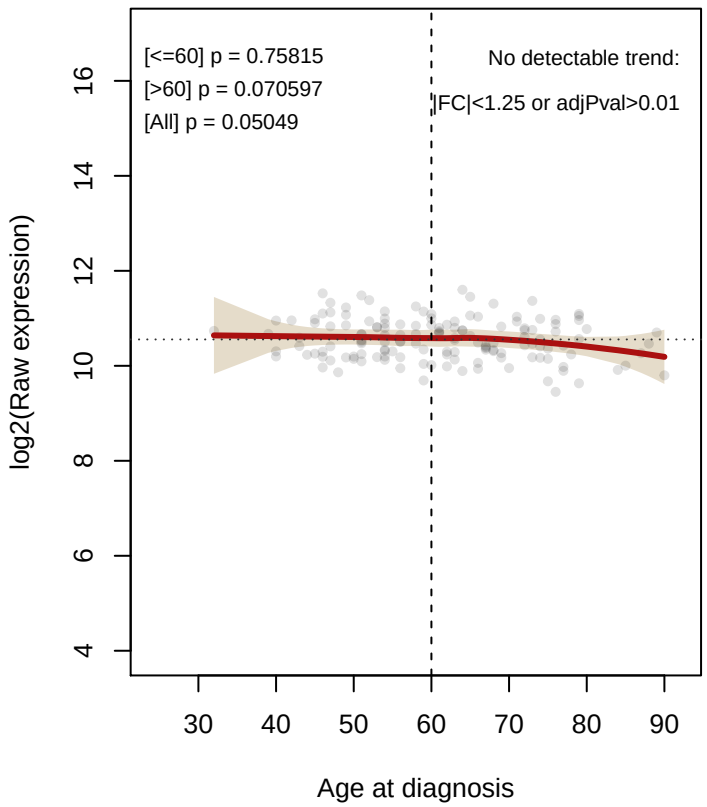

SFMBT2 (ER binding)
[<=60] p = 0.78283
[>60] p = 0.67691
[All] p = 0.12561
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
SFPQ (non−ER binding)
[<=60] p = 0.013506
[>60] p = 0.22485
[All] p = 1.488e−05
Age−dependent trend:
|FC|>1.25 and adjPval<0.01
log2(Raw expression)
Age at diagnosis
SHC1 (non−ER binding)
[<=60] p = 0.12545
[>60] p = 0.85615
[All] p = 0.61885
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
SIRT1 (non−ER binding)
[<=60] p = 0.58997
[>60] p = 0.19349
[All] p = 0.39843
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


SKP2 (non−ER binding)
[<=60] p = 0.038254
[>60] p = 0.072568
[All] p = 0.00078726
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
SLC25A3 (non−ER binding)
[<=60] p = 0.46006
[>60] p = 0.22572
[All] p = 0.034854
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
SMAD1 (non−ER binding)
[<=60] p = 0.78653
[>60] p = 0.072426
[All] p = 0.058353
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
SMAD2 (non−ER binding)
[<=60] p = 0.11461
[>60] p = 0.022517
[All] p = 6.2718e−05
Age−dependent trend:
|FC|>1.25 and adjPval<0.01
log2(Raw expression)
Age at diagnosis

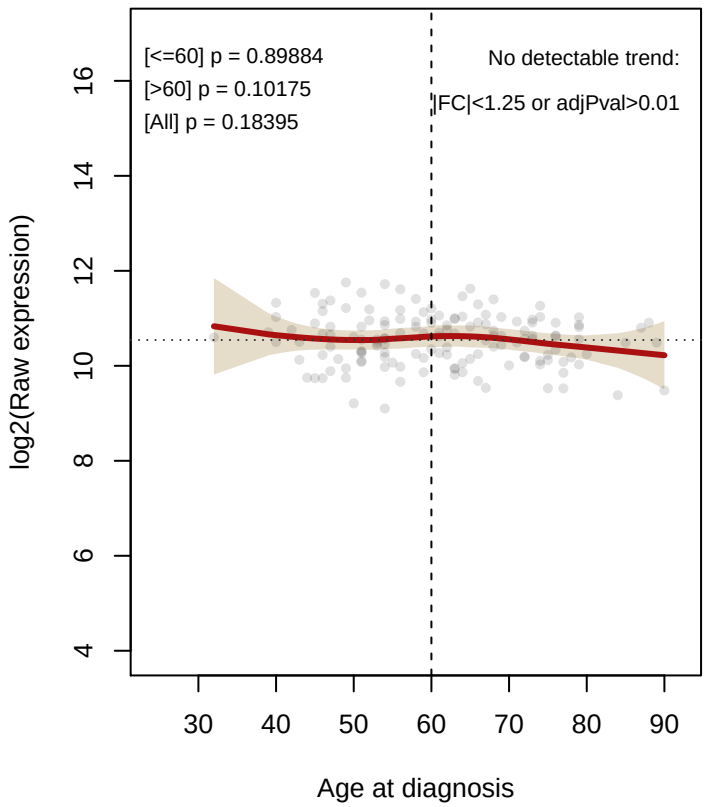
SMAD3 (ER binding)



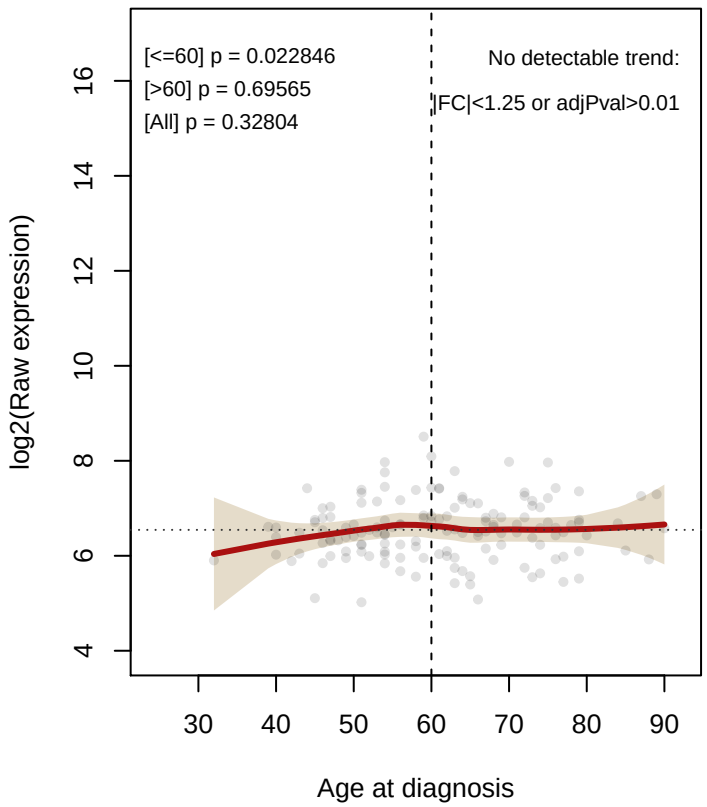
SMAD4 (non−ER binding)



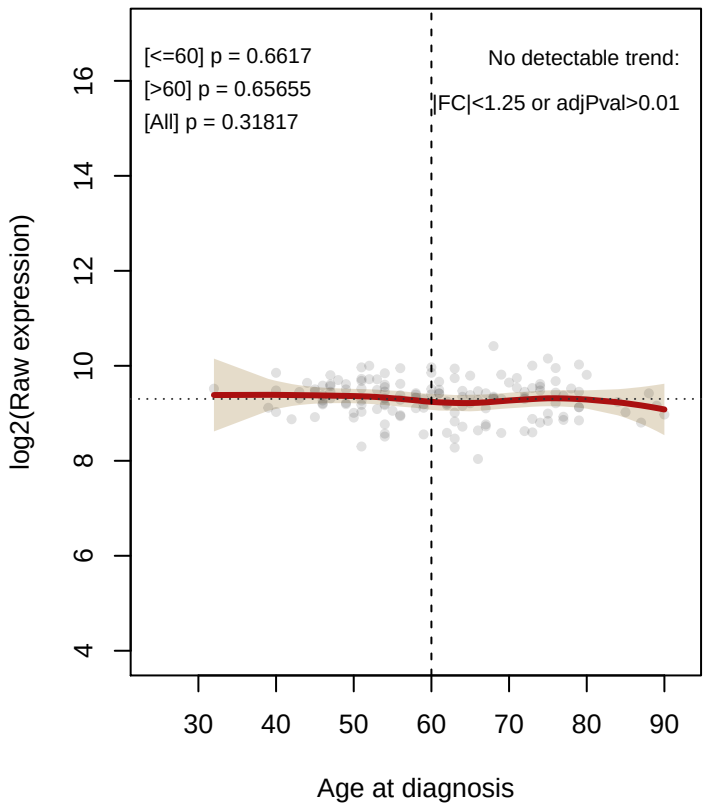
SMAD5 (non−ER binding)



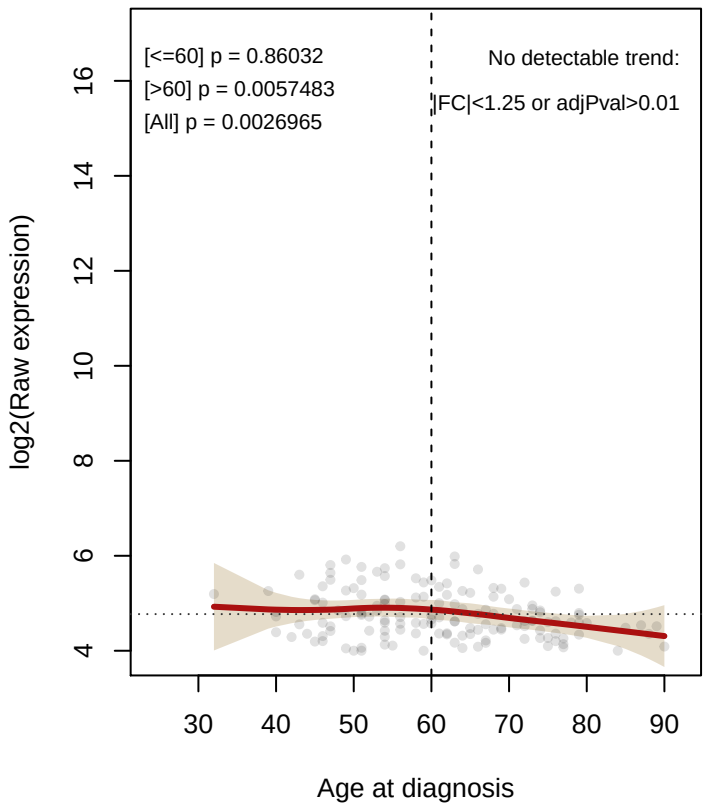
SMAD6 (non−ER binding)



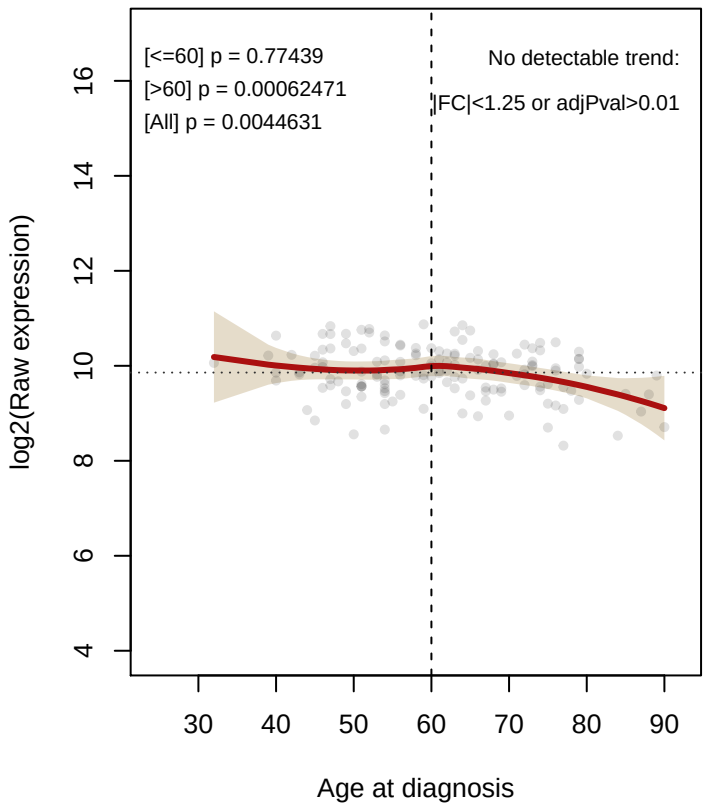
SMAD7 (non−ER binding)



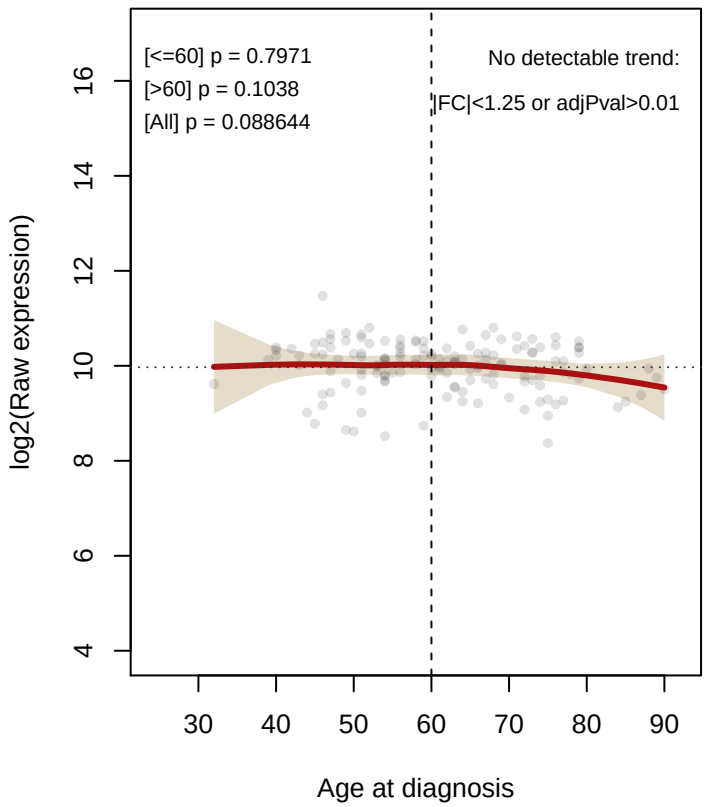
SMAD9 (non−ER binding)

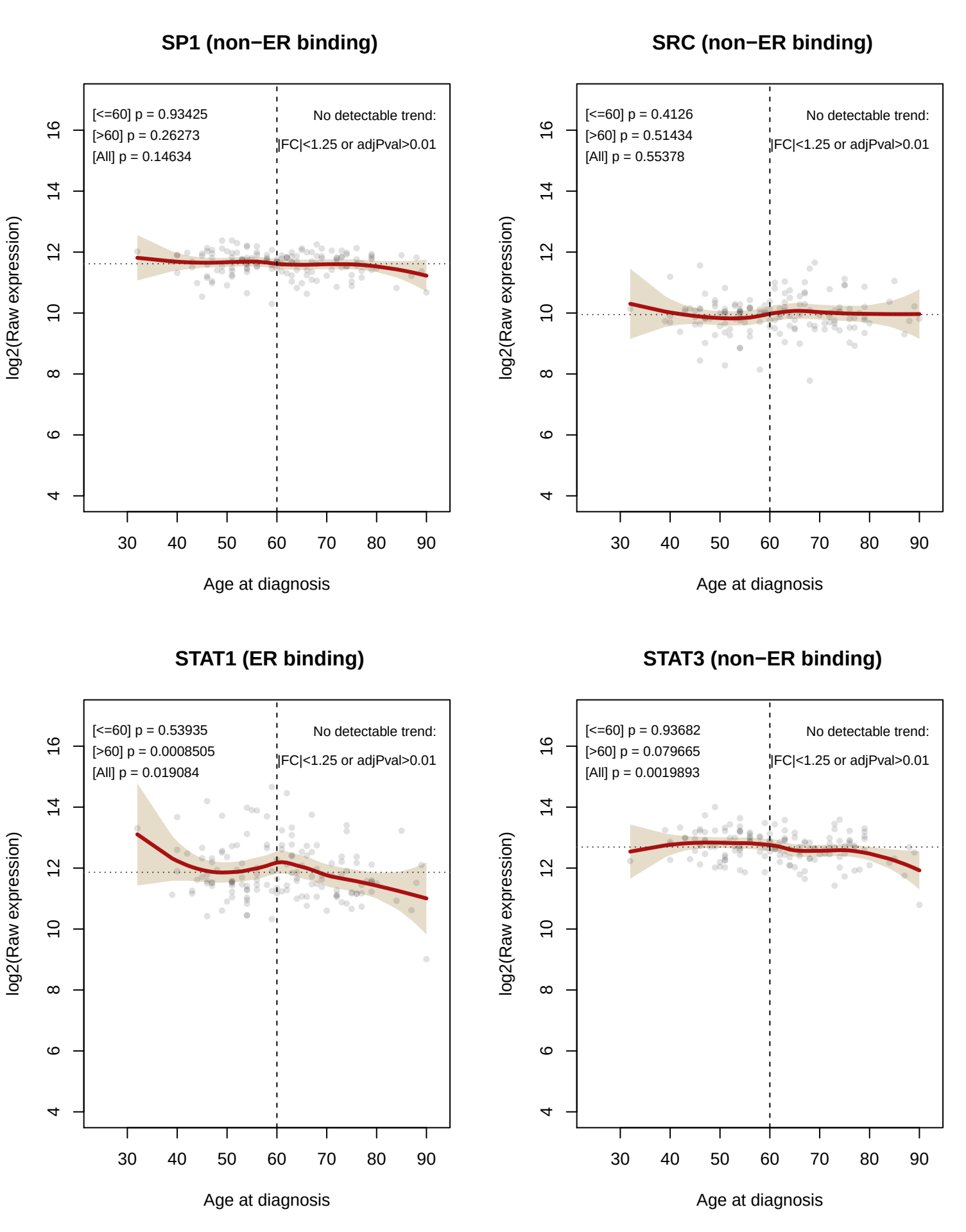


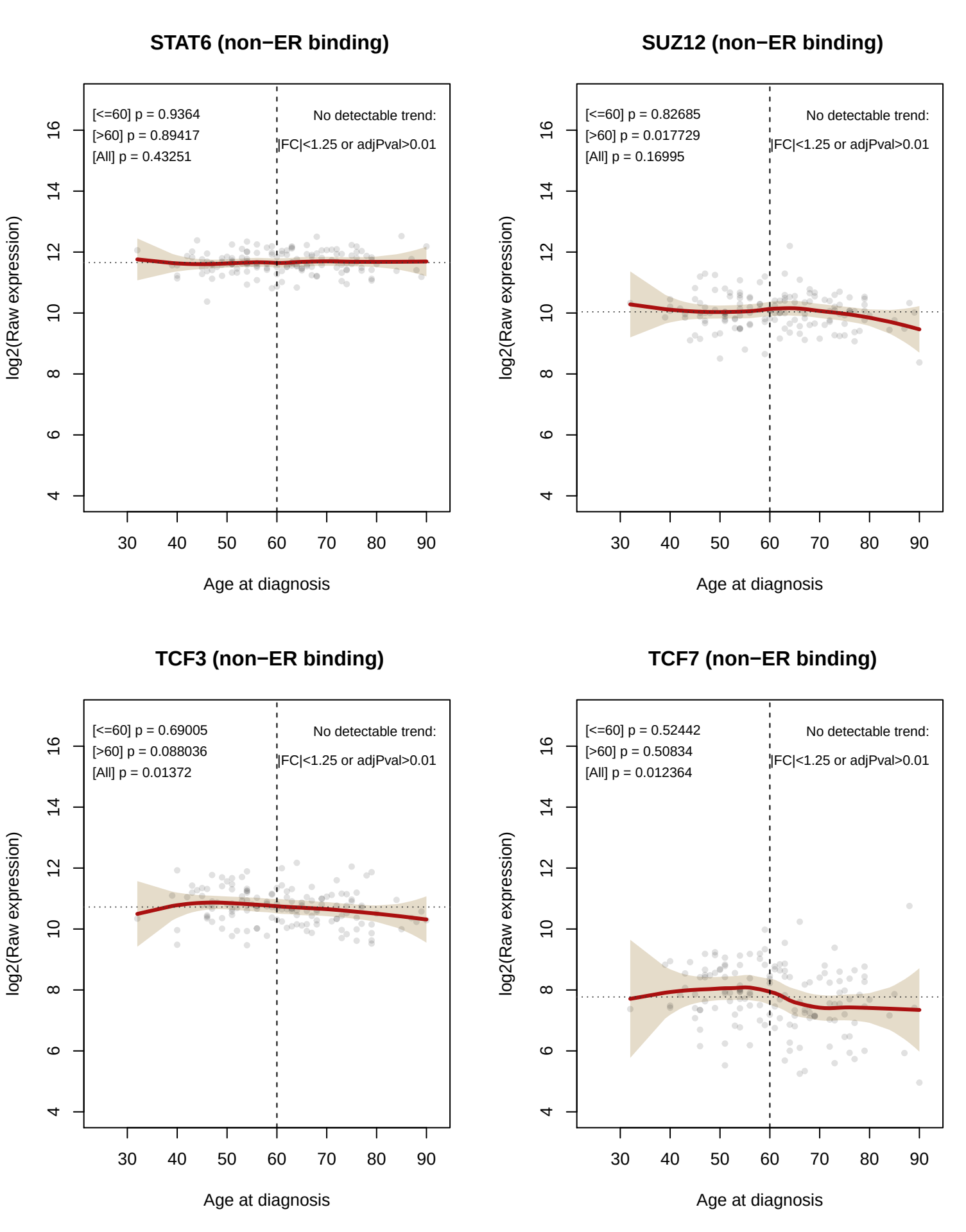
SOS1 (non−ER binding)



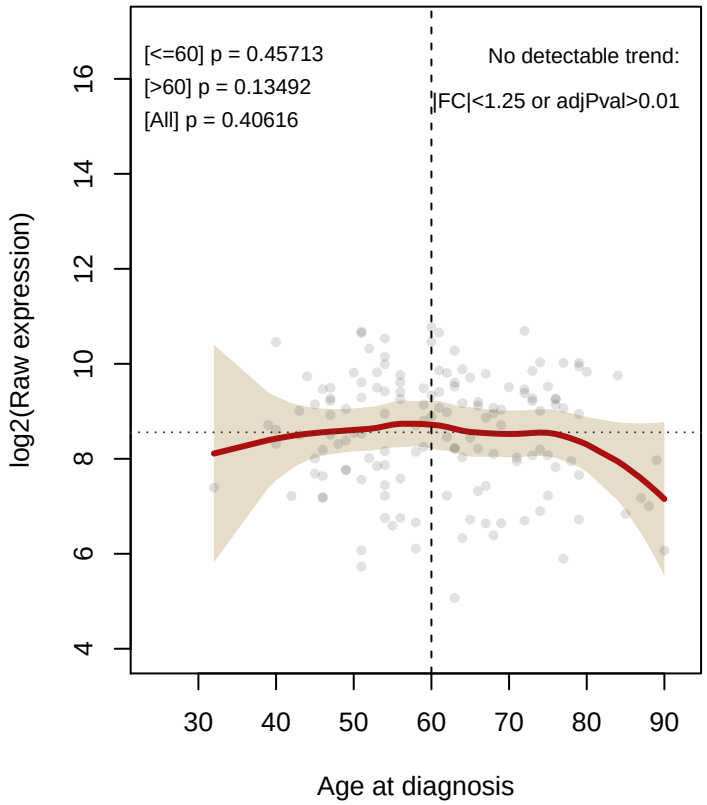
SOS2 (non−ER binding)



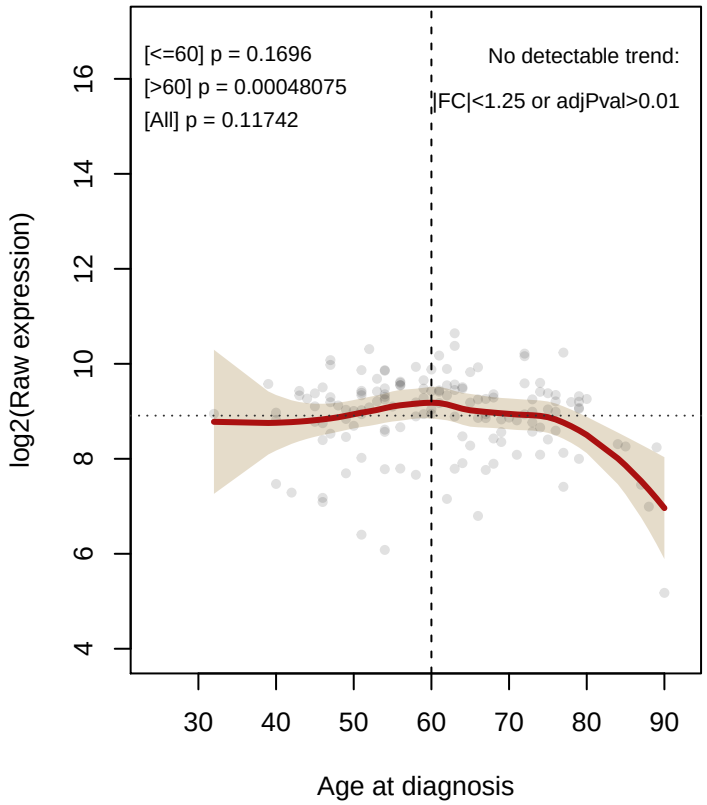

SP1 (non−ER binding)
[<=60] p = 0.93425
[>60] p = 0.26273
[All] p = 0.14634
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
SRC (non−ER binding)
[<=60] p = 0.4126
[>60] p = 0.51434
[All] p = 0.55378
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
STAT1 (ER binding)
[<=60] p = 0.53935
[>60] p = 0.0008505
[All] p = 0.019084
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
STAT3 (non−ER binding)
[<=60] p = 0.93682
[>60] p = 0.079665
[All] p = 0.0019893
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


STAT6 (non−ER binding)
[<=60] p = 0.9364
[>60] p = 0.89417
[All] p = 0.43251
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
SUZ12 (non−ER binding)
[<=60] p = 0.82685
[>60] p = 0.017729
[All] p = 0.16995
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
TCF3 (non−ER binding)
[<=60] p = 0.69005
[>60] p = 0.088036
[All] p = 0.01372
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
TCF7 (non−ER binding)
[<=60] p = 0.52442
[>60] p = 0.50834
[All] p = 0.012364
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis

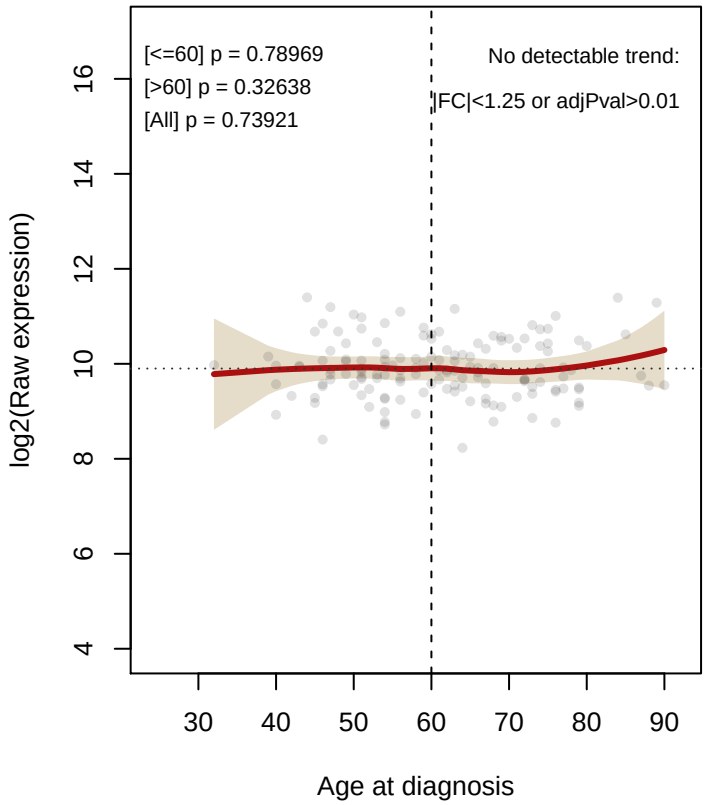
TCF7L1 (ER binding)



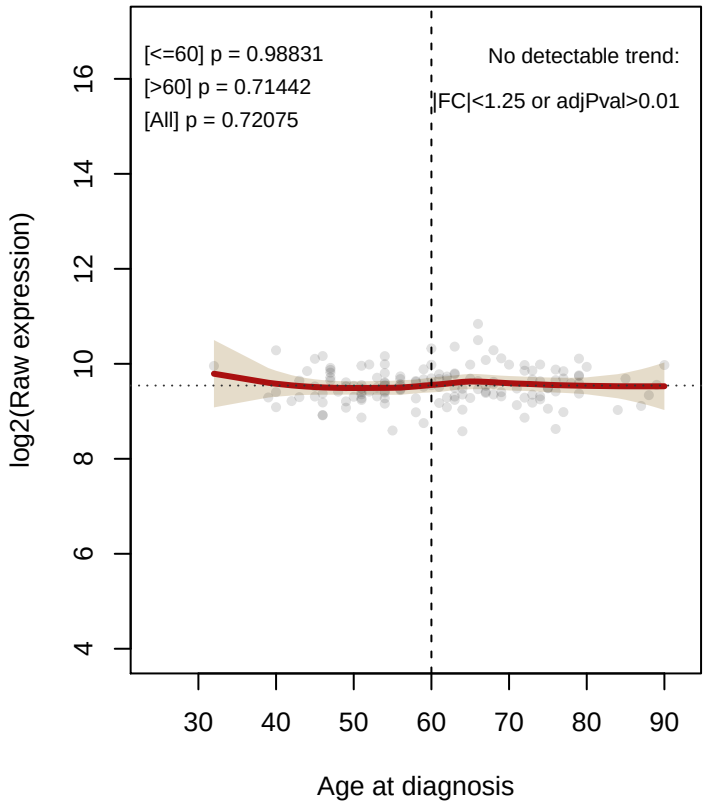
TCF7L2 (non−ER binding)

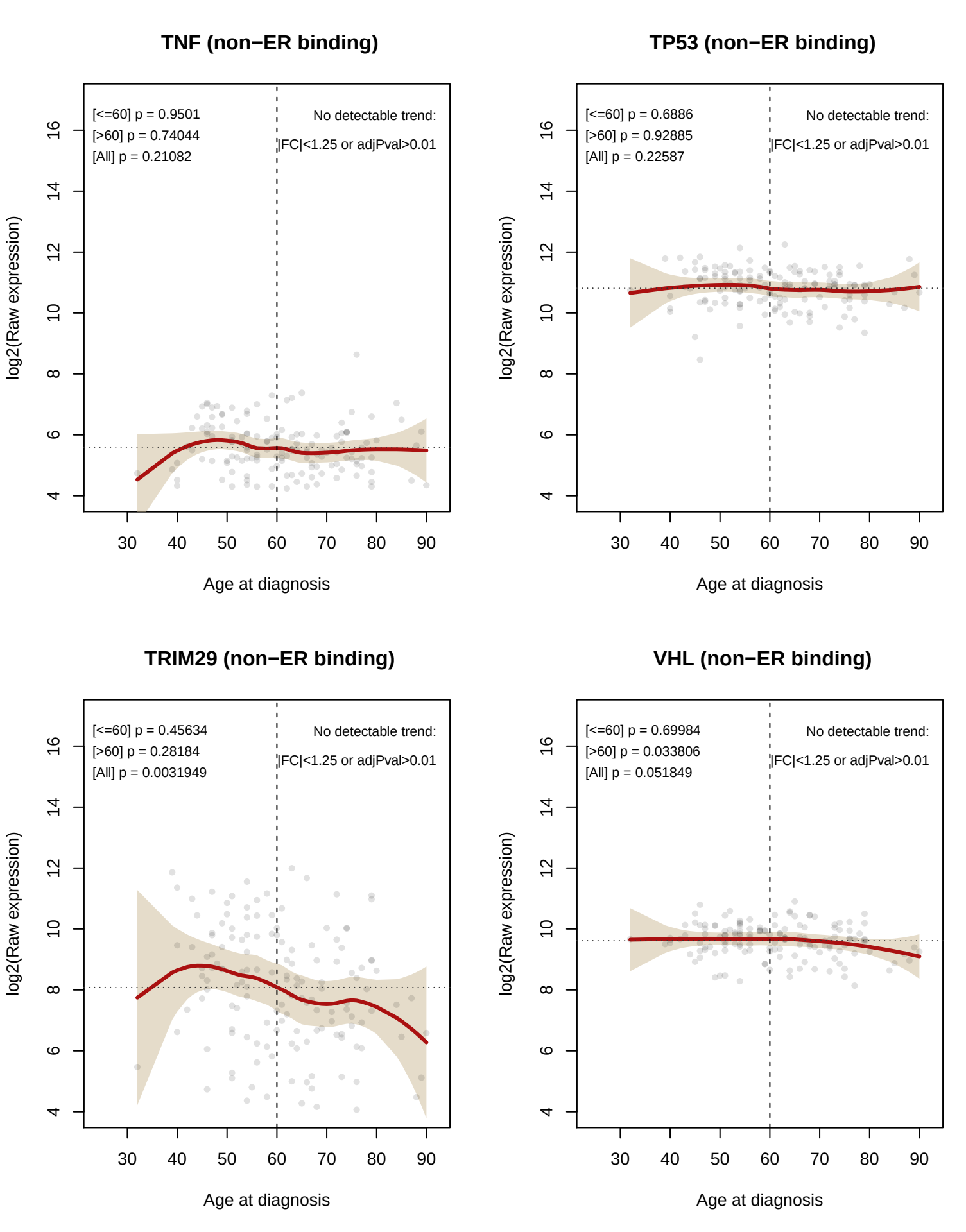


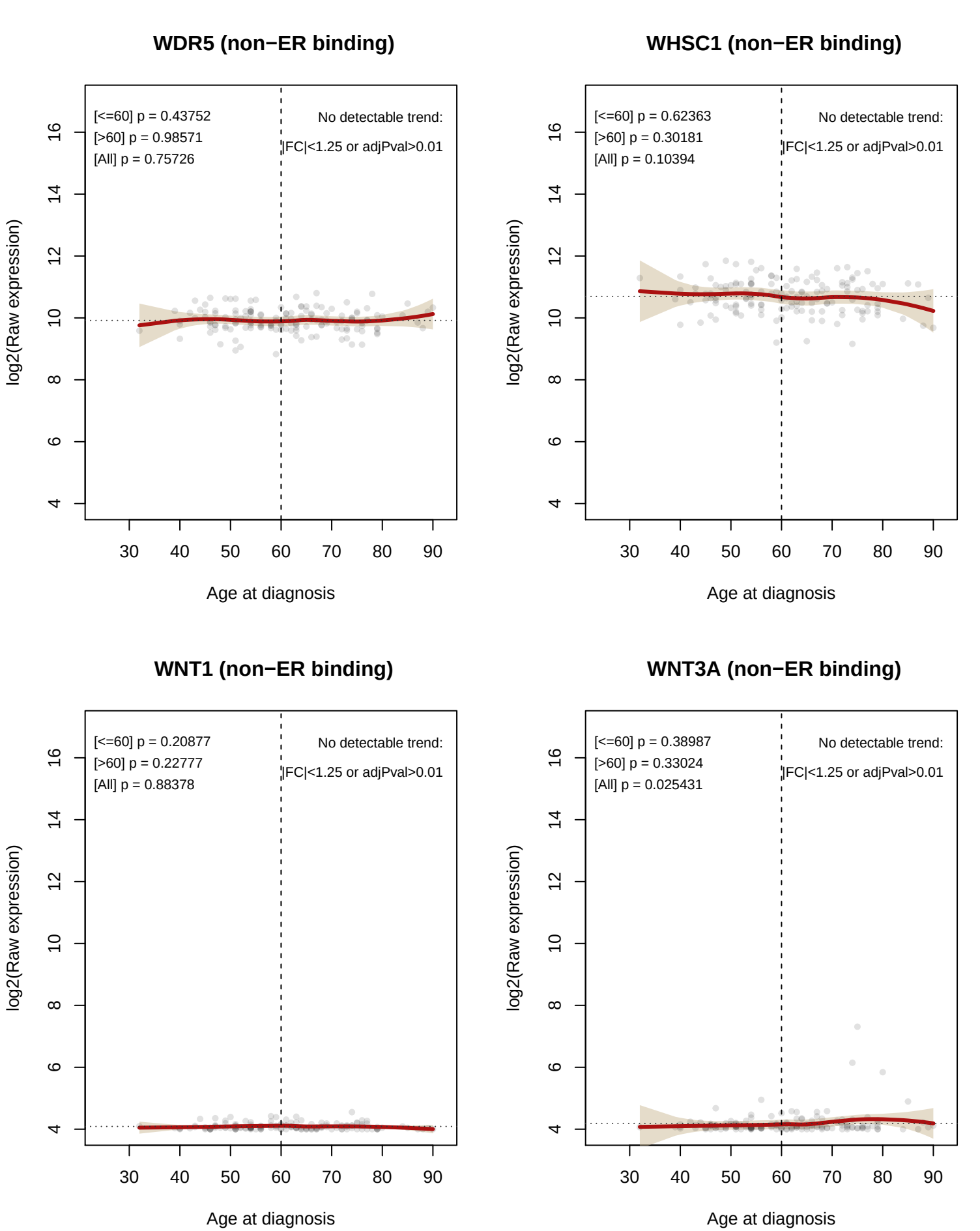
TGFB1 (non−ER binding)

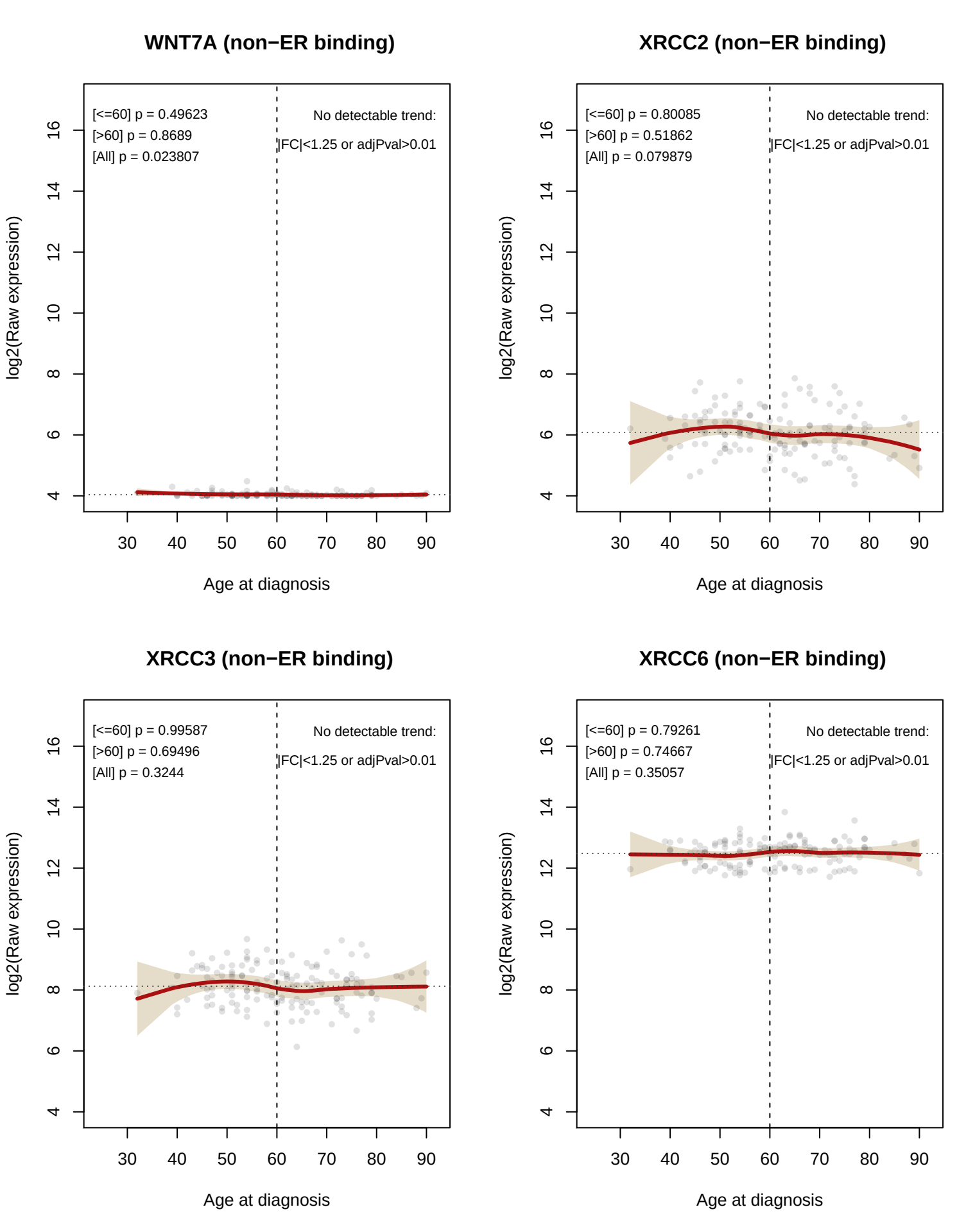


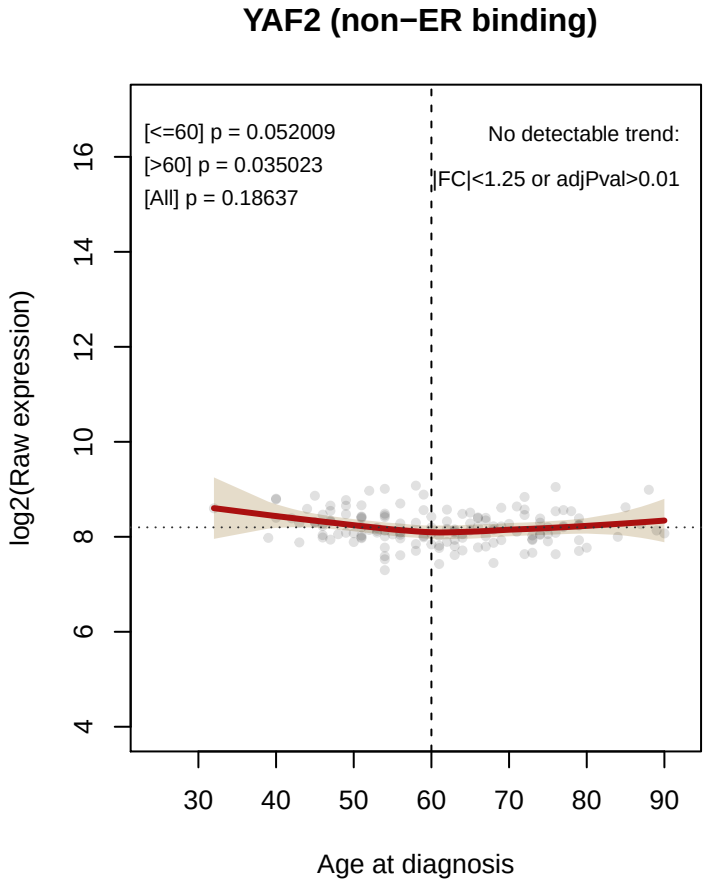
TK2 (non−ER binding)

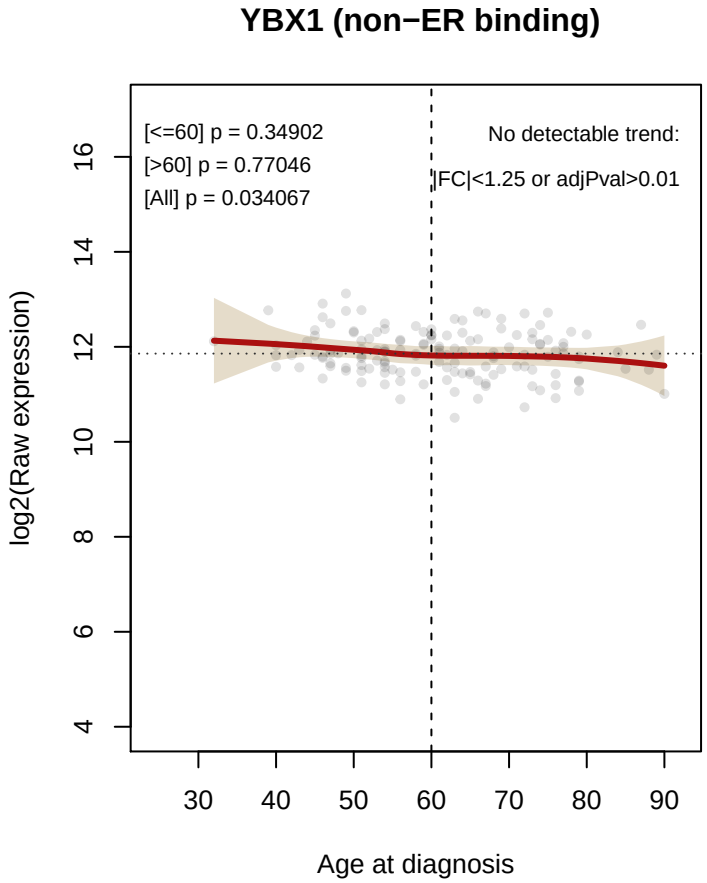


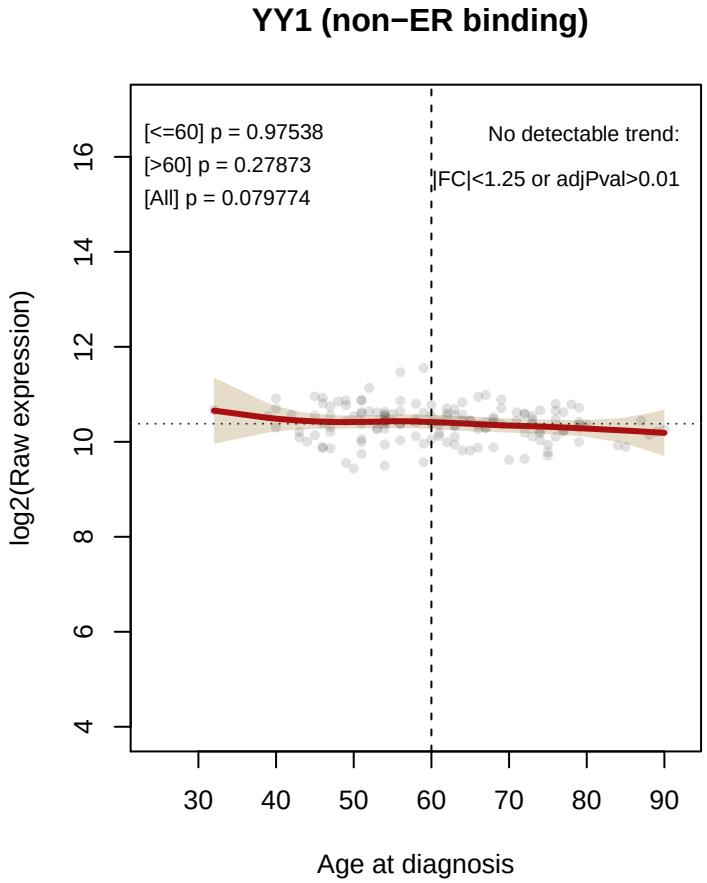

TNF (non−ER binding)
[<=60] p = 0.9501
[>60] p = 0.74044
[All] p = 0.21082
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
TP53 (non−ER binding)
[<=60] p = 0.6886
[>60] p = 0.92885
[All] p = 0.22587
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
TRIM29 (non−ER binding)
[<=60] p = 0.45634
[>60] p = 0.28184
[All] p = 0.0031949
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
VHL (non−ER binding)
[<=60] p = 0.69984
[>60] p = 0.033806
[All] p = 0.051849
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


WDR5 (non−ER binding)
[<=60] p = 0.43752
[>60] p = 0.98571
[All] p = 0.75726
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
WHSC1 (non−ER binding)
[<=60] p = 0.62363
[>60] p = 0.30181
[All] p = 0.10394
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
WNT1 (non−ER binding)
[<=60] p = 0.20877
[>60] p = 0.22777
[All] p = 0.88378
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
WNT3A (non−ER binding)
[<=60] p = 0.38987
[>60] p = 0.33024
[All] p = 0.025431
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


WNT7A (non−ER binding)
[<=60] p = 0.49623
[>60] p = 0.8689
[All] p = 0.023807
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
XRCC2 (non−ER binding)
[<=60] p = 0.80085
[>60] p = 0.51862
[All] p = 0.079879
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
XRCC3 (non−ER binding)
[<=60] p = 0.99587
[>60] p = 0.69496
[All] p = 0.3244
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis
XRCC6 (non−ER binding)
[<=60] p = 0.79261
[>60] p = 0.74667
[All] p = 0.35057
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


YAF2 (non−ER binding)
[<=60] p = 0.052009
[>60] p = 0.035023
[All] p = 0.18637
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


YBX1 (non−ER binding)
[<=60] p = 0.34902
[>60] p = 0.77046
[All] p = 0.034067
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis


YY1 (non−ER binding)
[<=60] p = 0.97538
[>60] p = 0.27873
[All] p = 0.079774
No detectable trend:
|FC|<1.25 or adjPval>0.01
log2(Raw expression)
Age at diagnosis