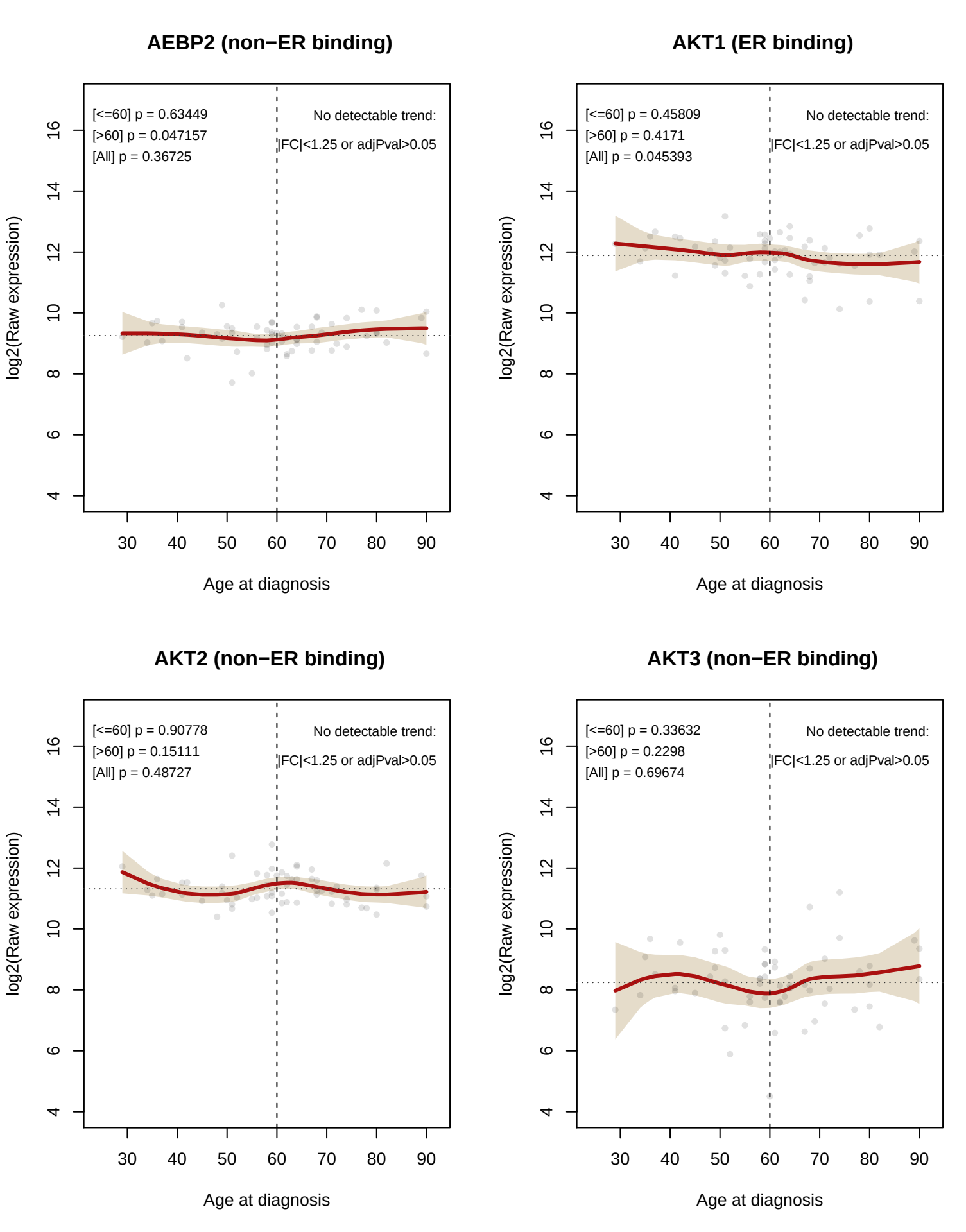
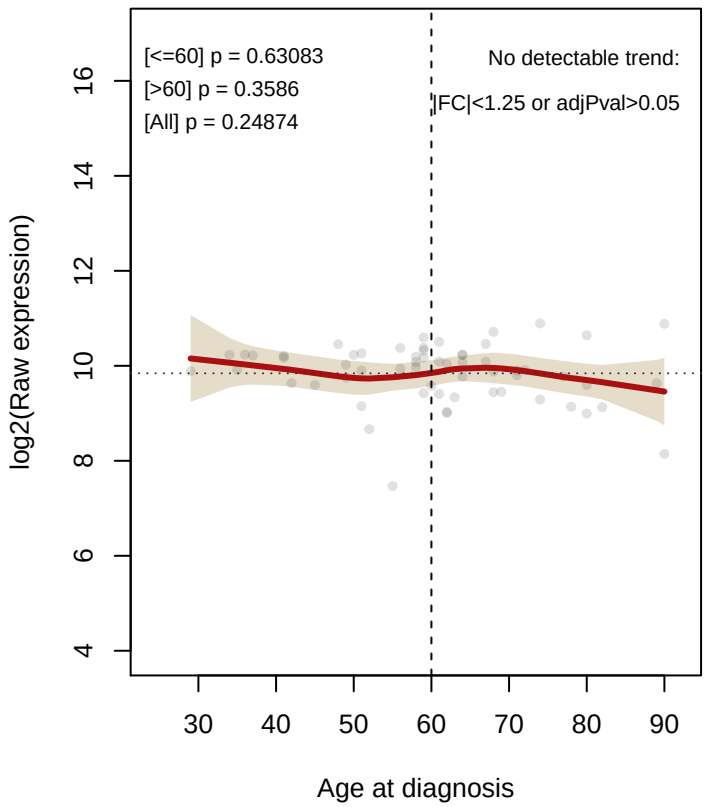
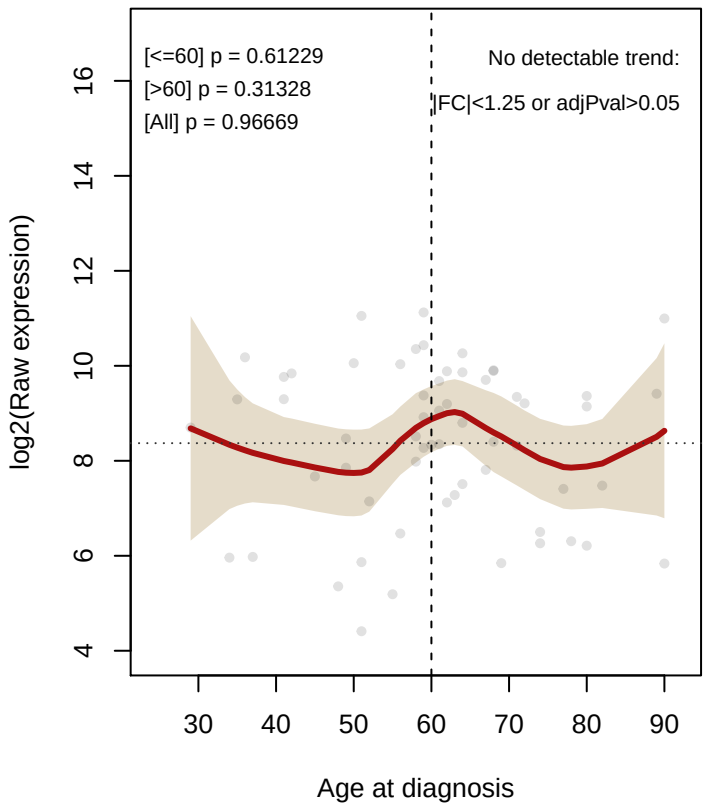

AEBP2 (non−ER binding)
[<=60] p = 0.63449
[>60] p = 0.047157
[All] p = 0.36725
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
AKT1 (ER binding)
[<=60] p = 0.45809
[>60] p = 0.4171
[All] p = 0.045393
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
AKT2 (non−ER binding)
[<=60] p = 0.90778
[>60] p = 0.15111
[All] p = 0.48727
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
AKT3 (non−ER binding)
[<=60] p = 0.33632
[>60] p = 0.2298
[All] p = 0.69674
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

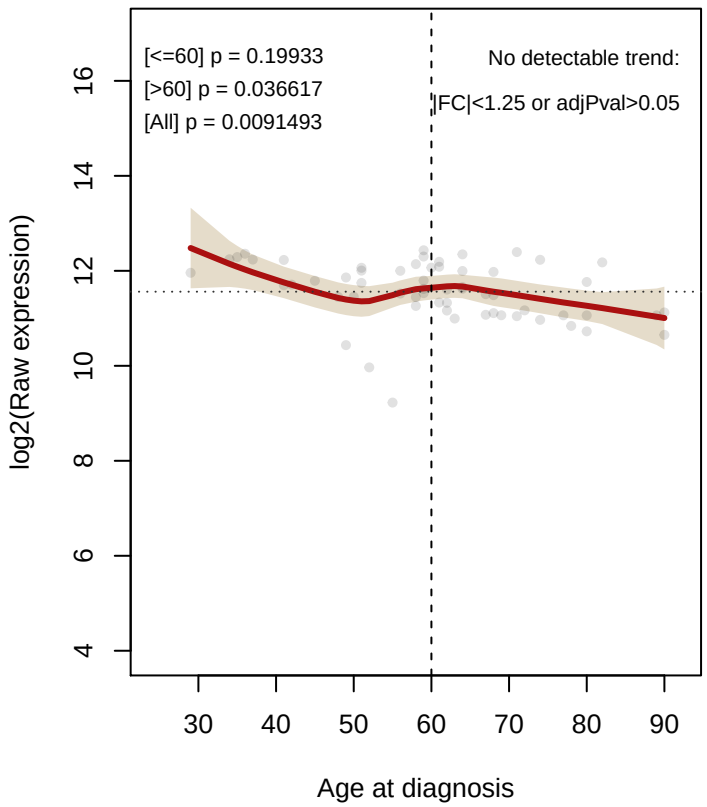
APC (non−ER binding)



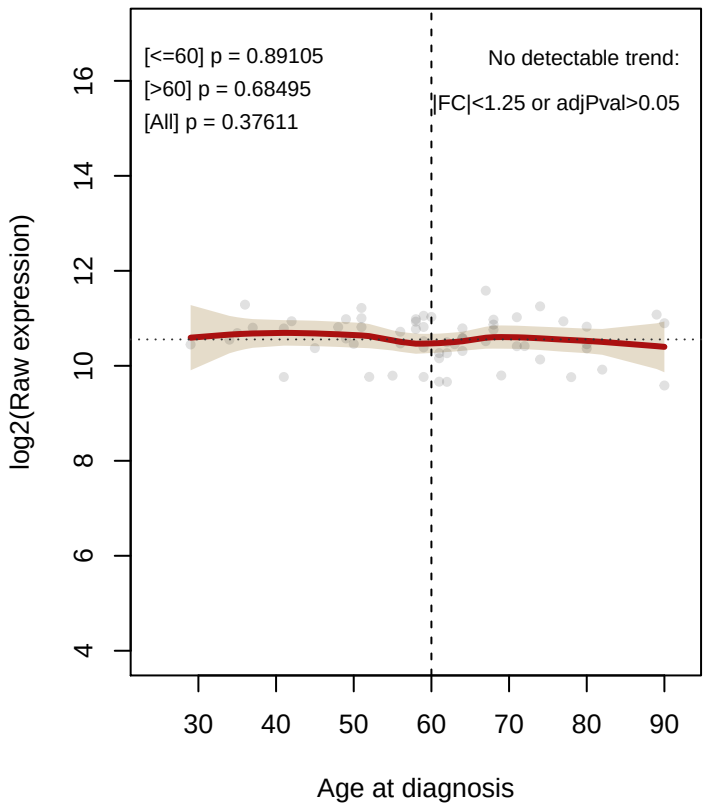
AR (ER binding)

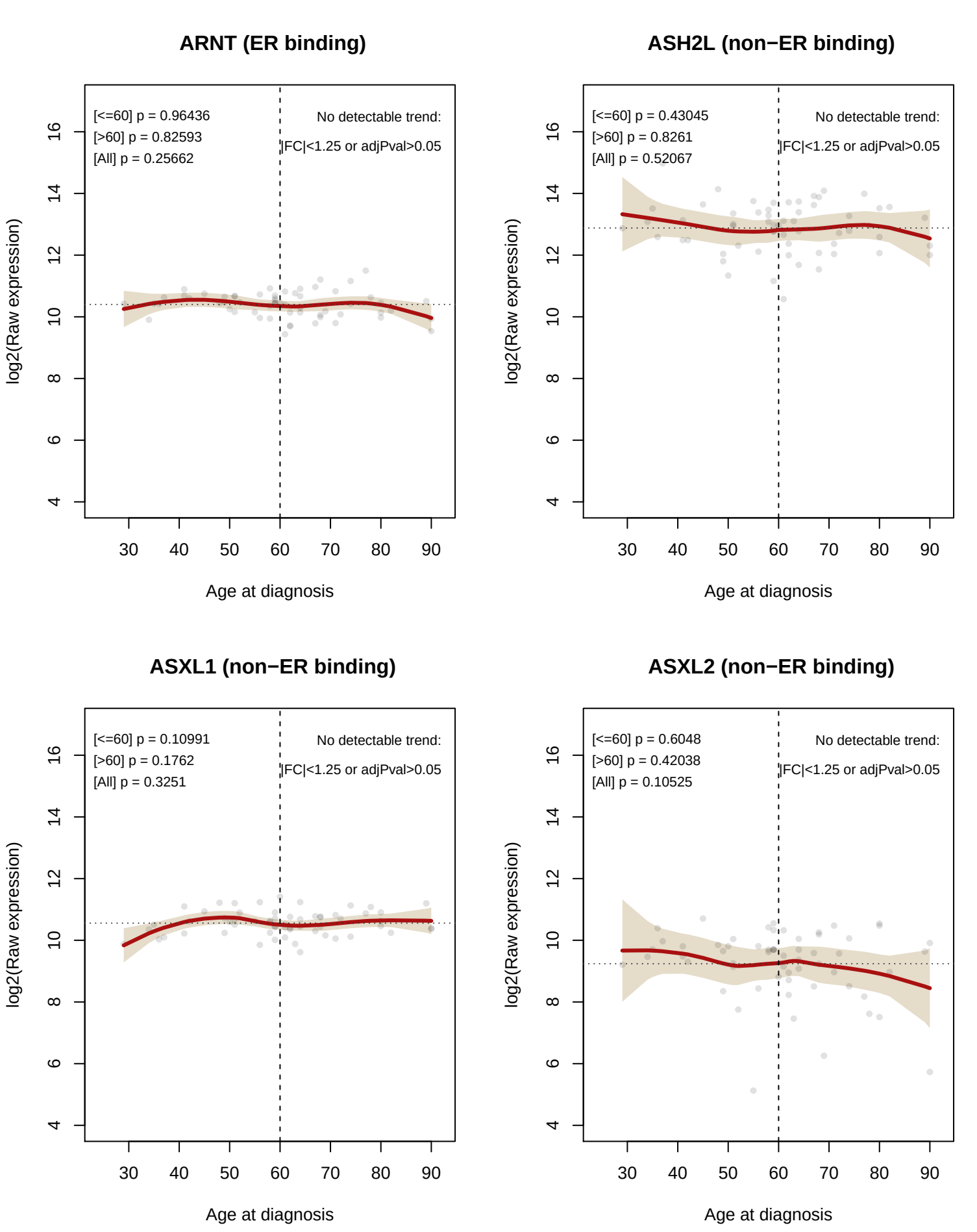


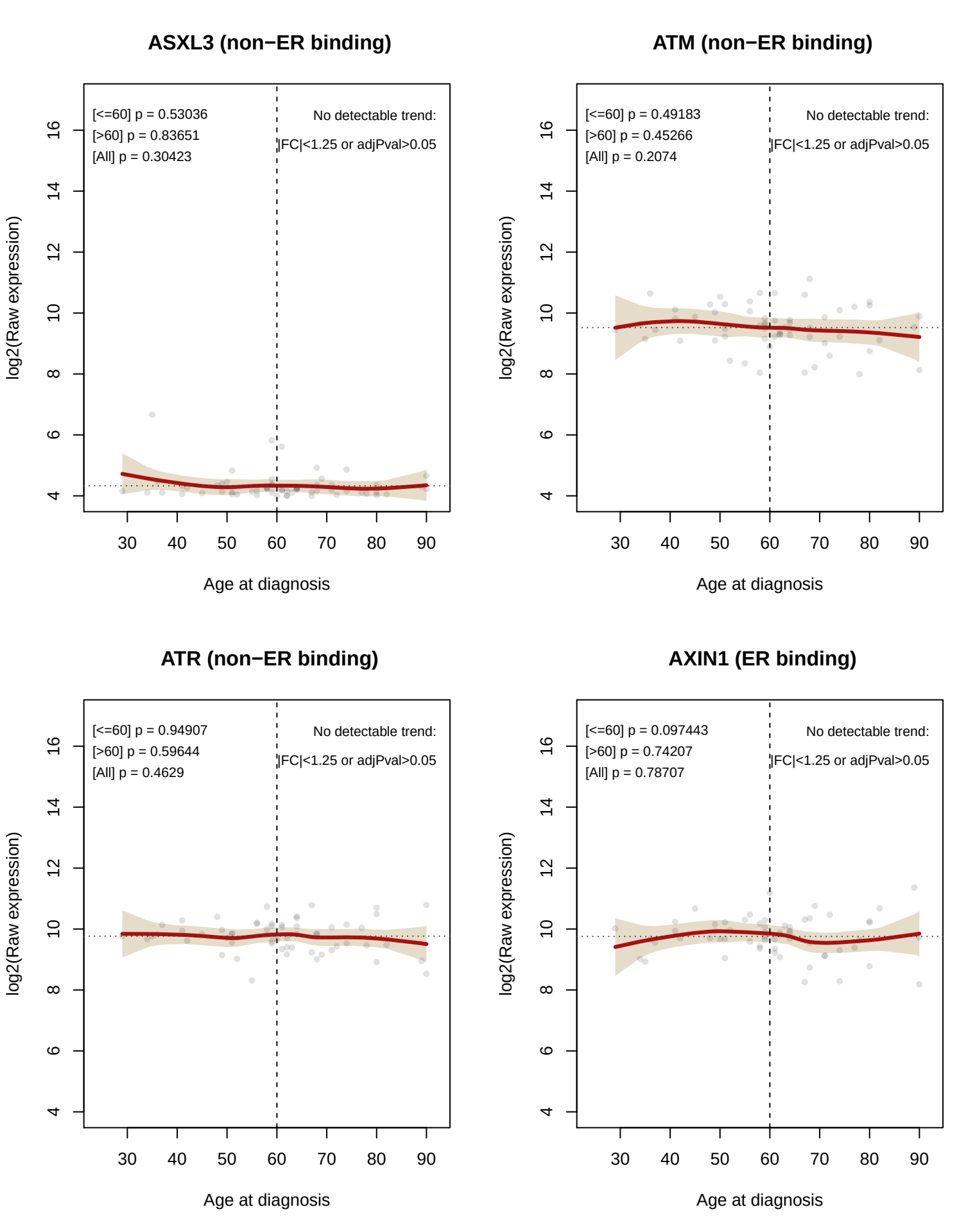
ARID1A (non−ER binding)

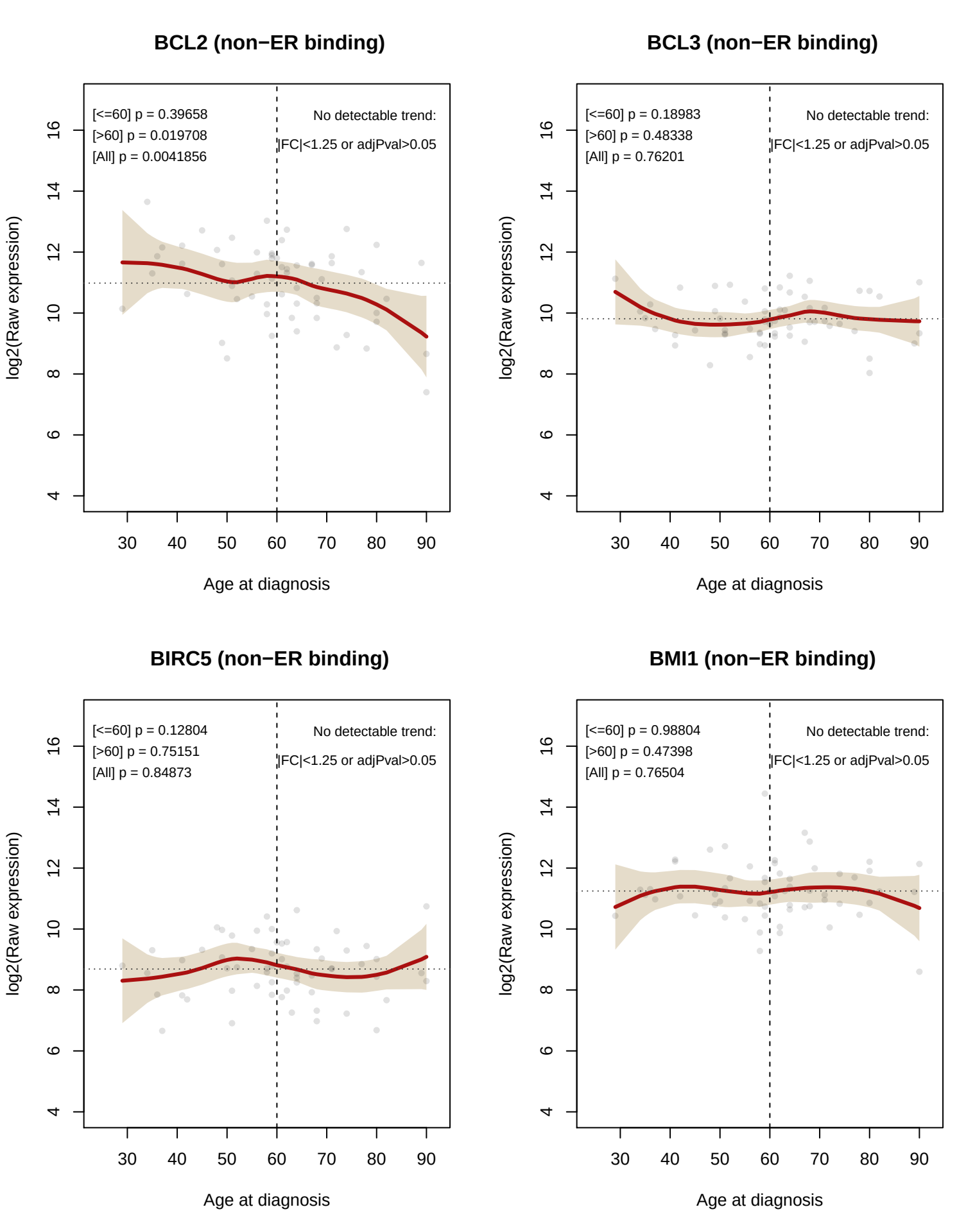


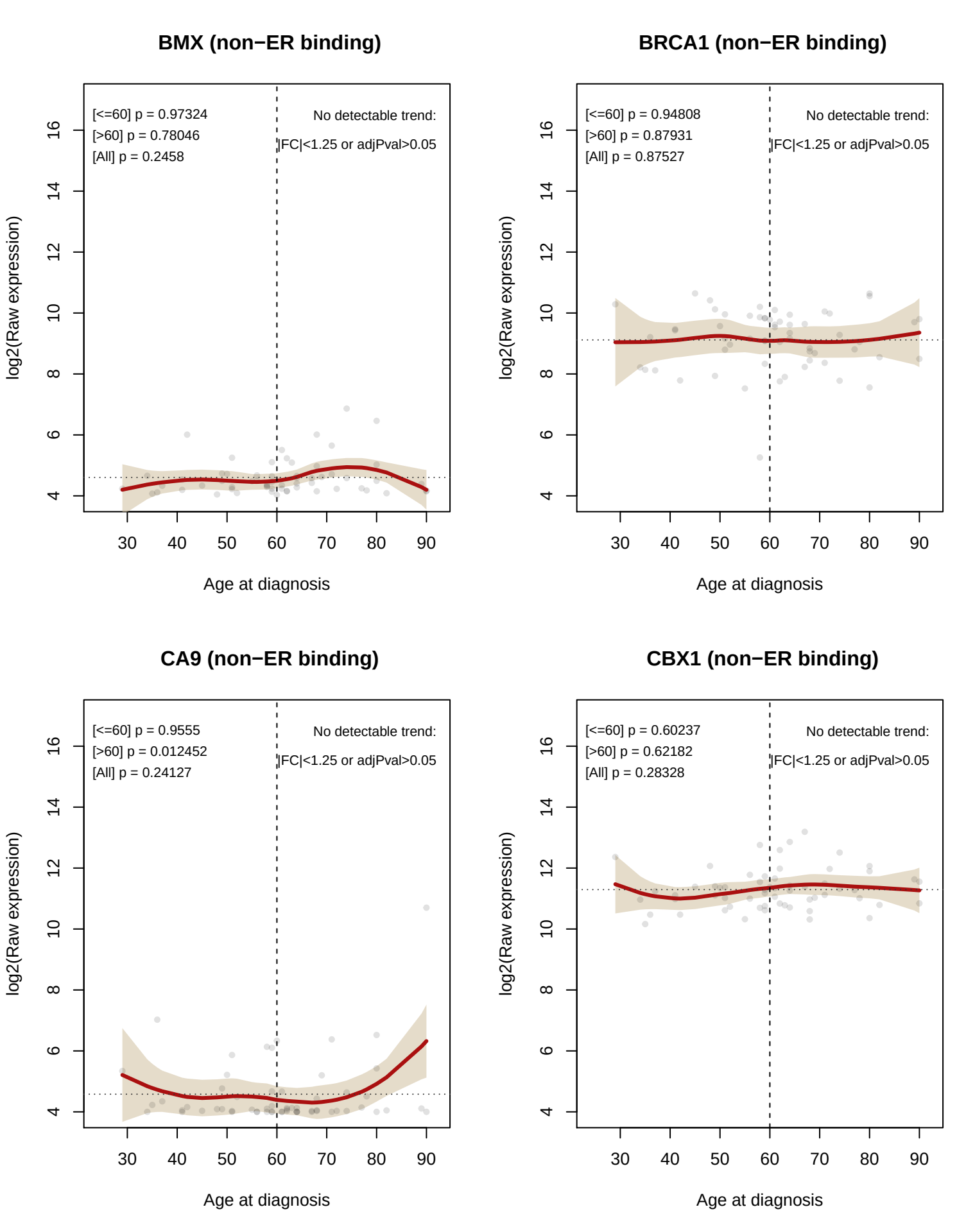
ARID1B (ER binding)

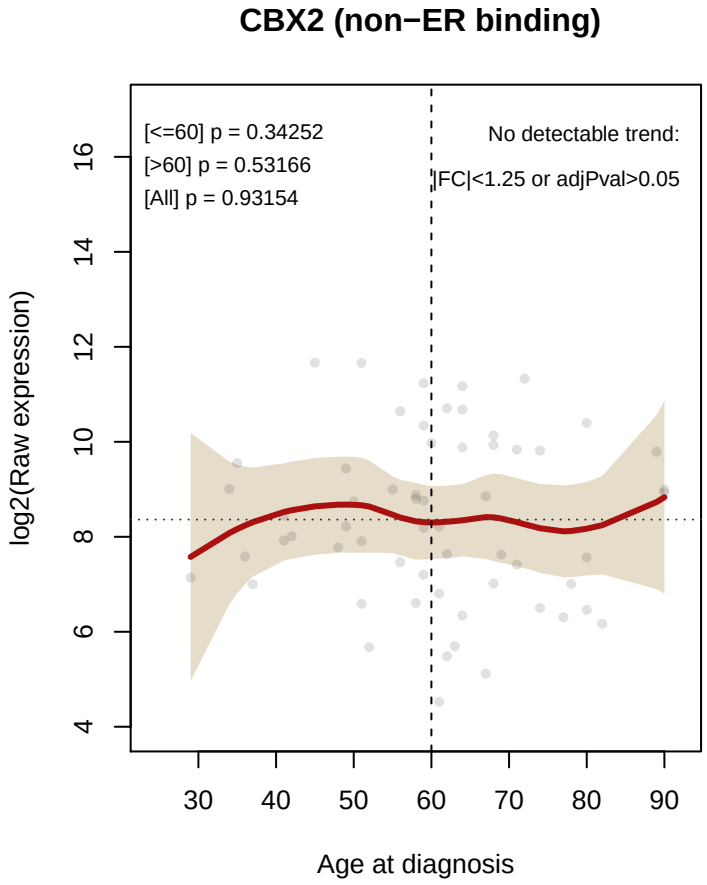


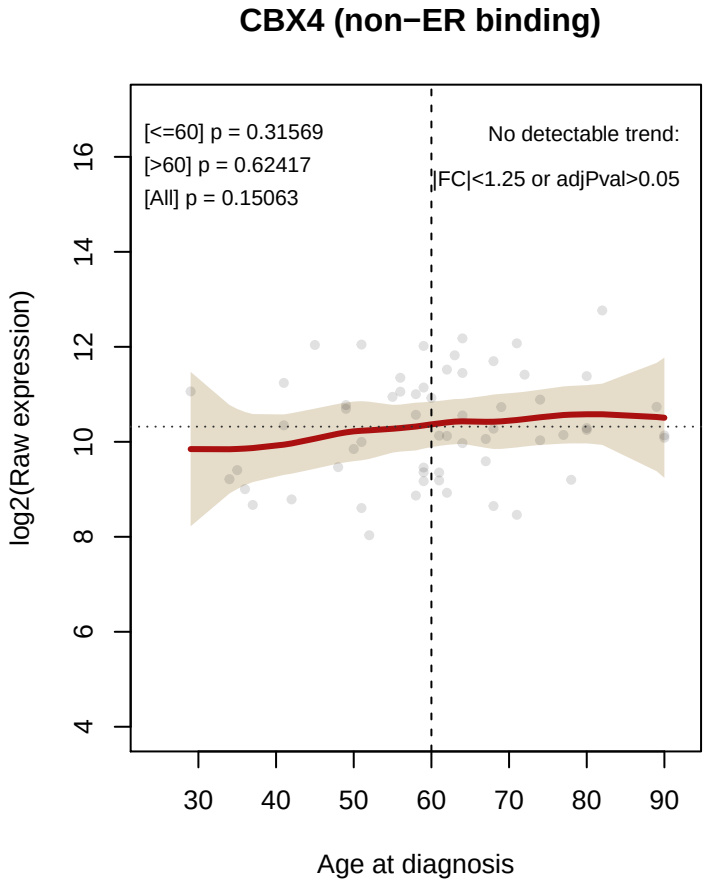

ARNT (ER binding)
[<=60] p = 0.96436
[>60] p = 0.82593
[All] p = 0.25662
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
ASH2L (non−ER binding)
[<=60] p = 0.43045
[>60] p = 0.8261
[All] p = 0.52067
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
ASXL1 (non−ER binding)
[<=60] p = 0.10991
[>60] p = 0.1762
[All] p = 0.3251
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
ASXL2 (non−ER binding)
[<=60] p = 0.6048
[>60] p = 0.42038
[All] p = 0.10525
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

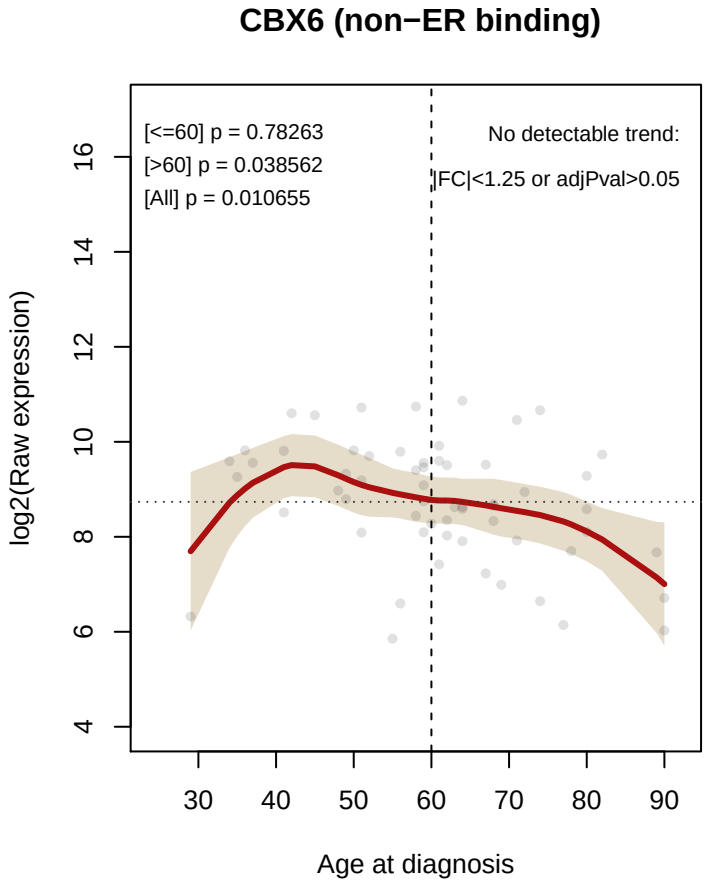

ASXL3 (non−ER binding)
[<=60] p = 0.53036
[>60] p = 0.83651
[All] p = 0.30423
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
ATM (non−ER binding)
[<=60] p = 0.49183
[>60] p = 0.45266
[All] p = 0.2074
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
ATR (non−ER binding)
[<=60] p = 0.94907
[>60] p = 0.59644
[All] p = 0.4629
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
AXIN1 (ER binding)
[<=60] p = 0.097443
[>60] p = 0.74207
[All] p = 0.78707
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

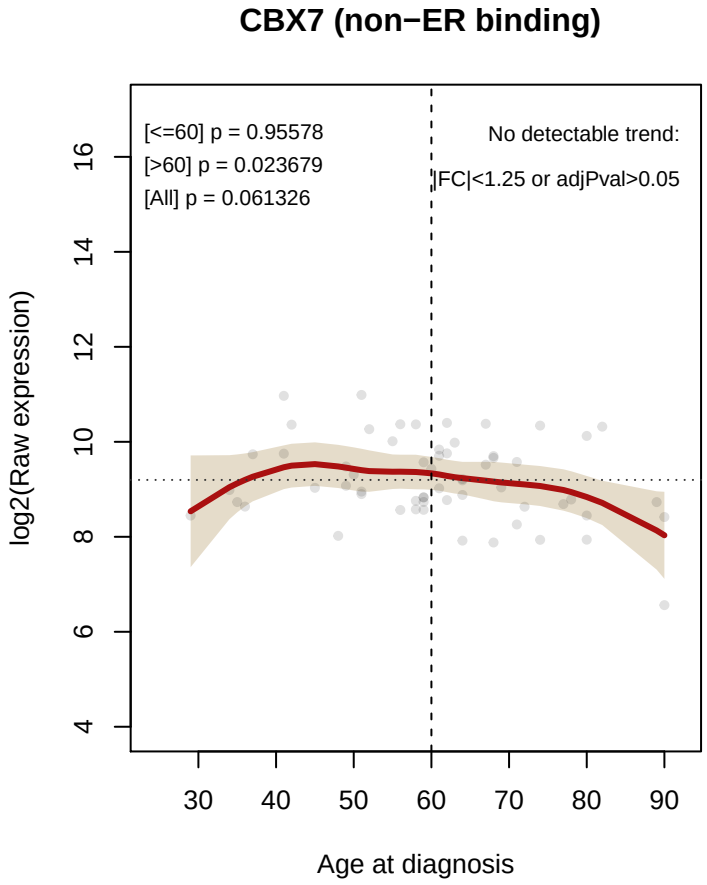

BCL2 (non−ER binding)
[<=60] p = 0.39658
[>60] p = 0.019708
[All] p = 0.0041856
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
BCL3 (non−ER binding)
[<=60] p = 0.18983
[>60] p = 0.48338
[All] p = 0.76201
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
BIRC5 (non−ER binding)
[<=60] p = 0.12804
[>60] p = 0.75151
[All] p = 0.84873
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
BMI1 (non−ER binding)
[<=60] p = 0.98804
[>60] p = 0.47398
[All] p = 0.76504
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis


BMX (non−ER binding)
[<=60] p = 0.97324
[>60] p = 0.78046
[All] p = 0.2458
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
BRCA1 (non−ER binding)
[<=60] p = 0.94808
[>60] p = 0.87931
[All] p = 0.87527
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
CA9 (non−ER binding)
[<=60] p = 0.9555
[>60] p = 0.012452
[All] p = 0.24127
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
CBX1 (non−ER binding)
[<=60] p = 0.60237
[>60] p = 0.62182
[All] p = 0.28328
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

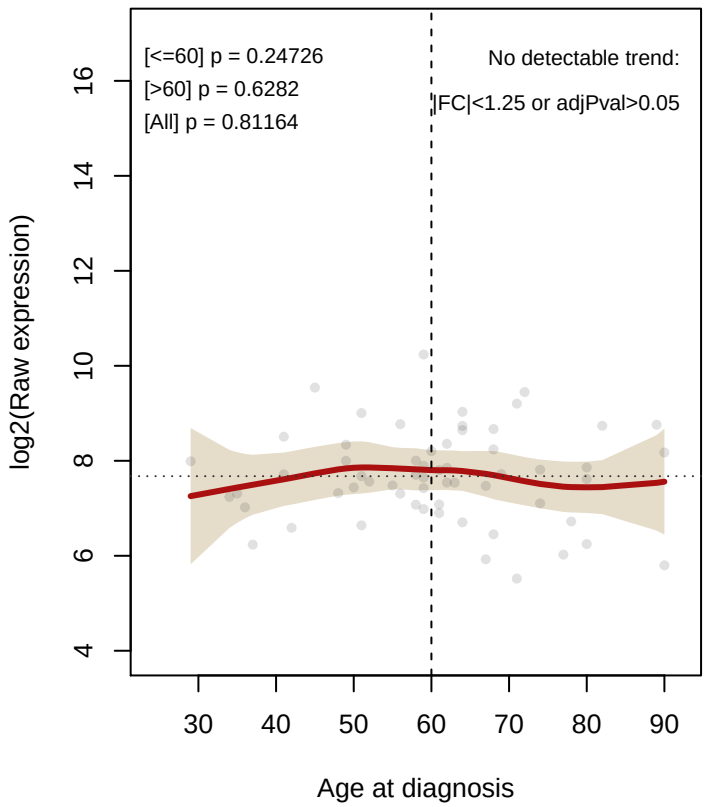

CBX2 (non−ER binding)
[<=60] p = 0.34252
[>60] p = 0.53166
[All] p = 0.93154
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis


CBX4 (non−ER binding)
[<=60] p = 0.31569
[>60] p = 0.62417
[All] p = 0.15063
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

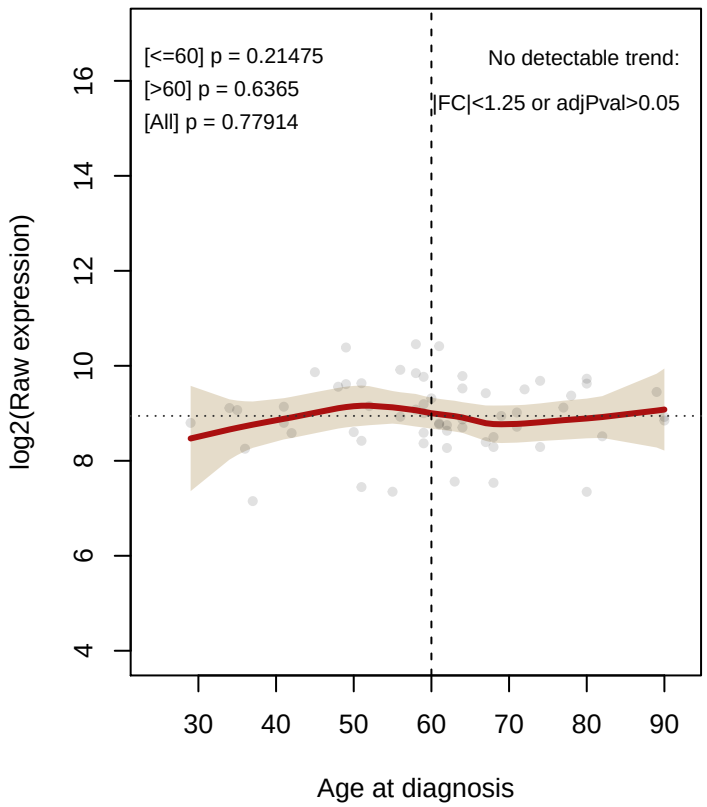

CBX6 (non−ER binding)
[<=60] p = 0.78263
[>60] p = 0.038562
[All] p = 0.010655
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis


CBX7 (non−ER binding)
[<=60] p = 0.95578
[>60] p = 0.023679
[All] p = 0.061326
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

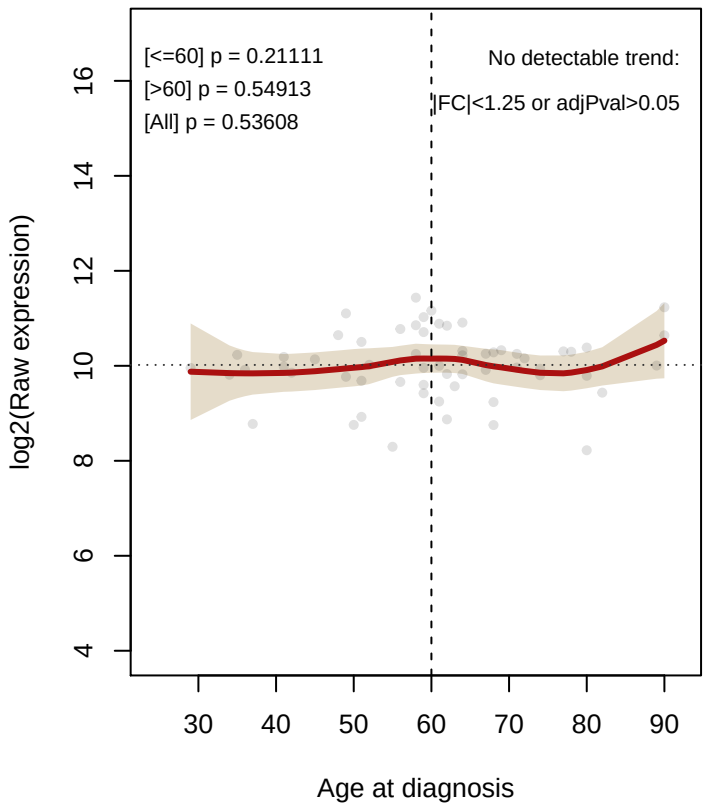
CBX8 (non−ER binding)



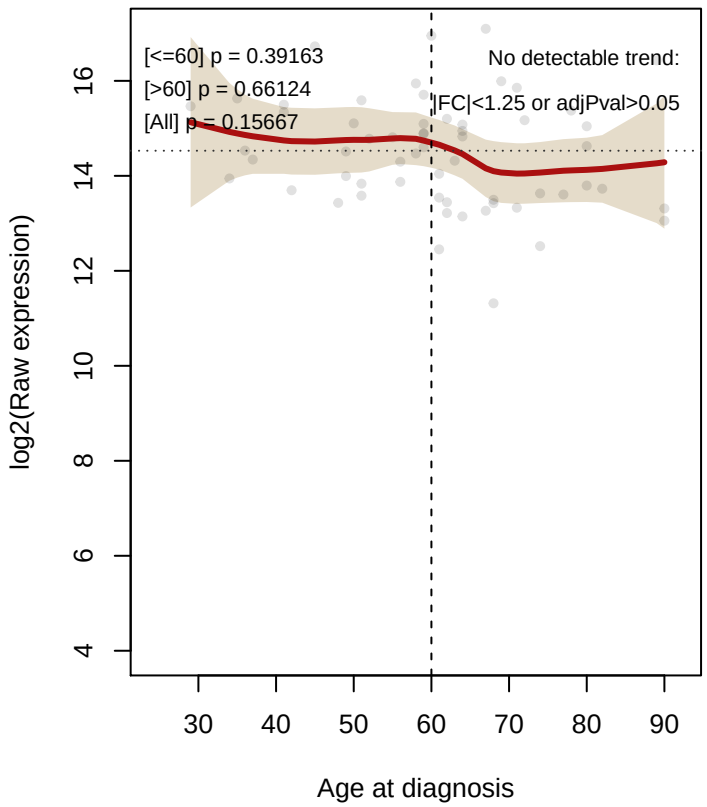
CCNA2 (non−ER binding)

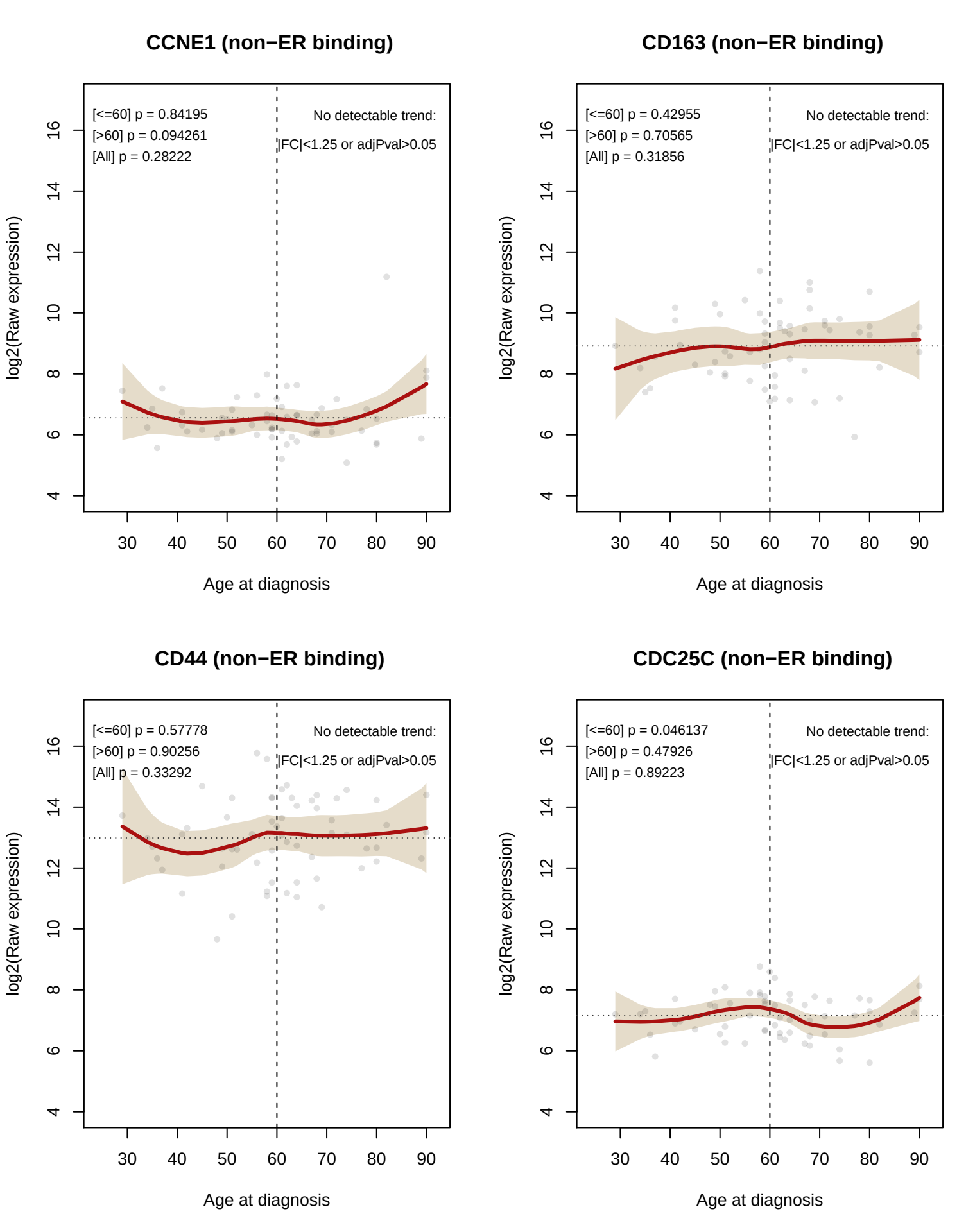


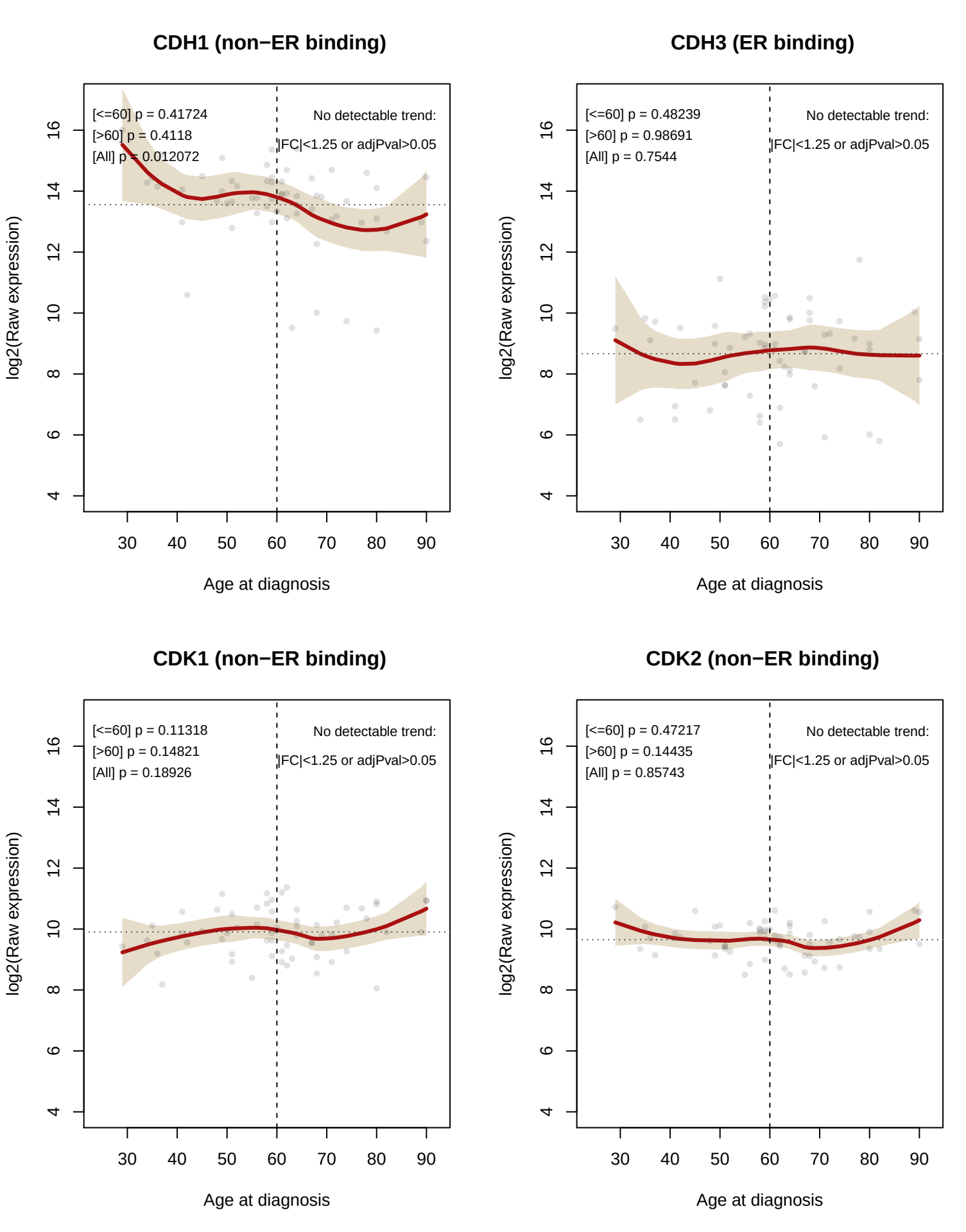
CCNB1 (non−ER binding)

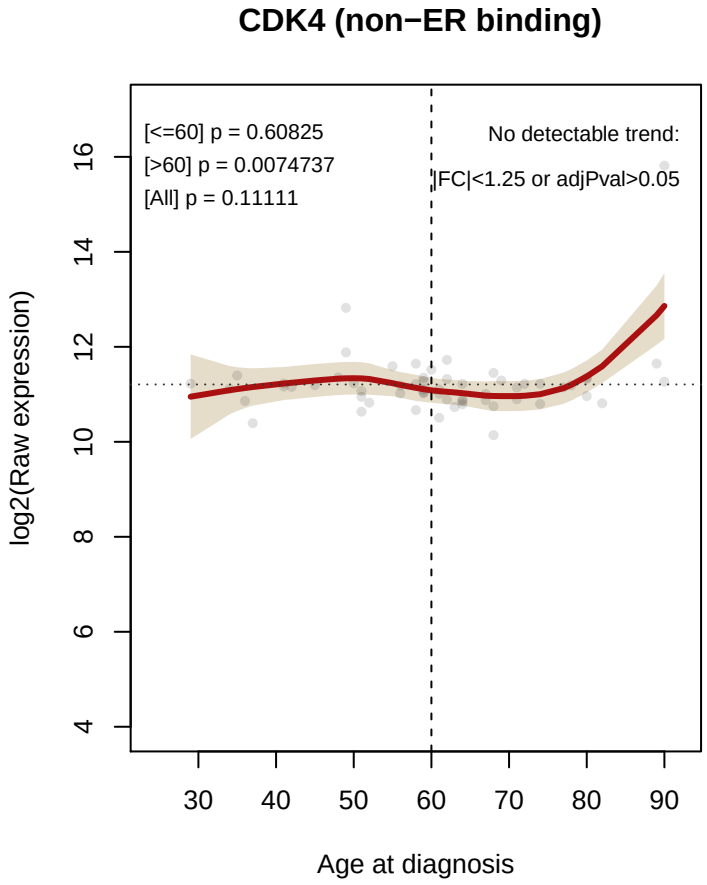


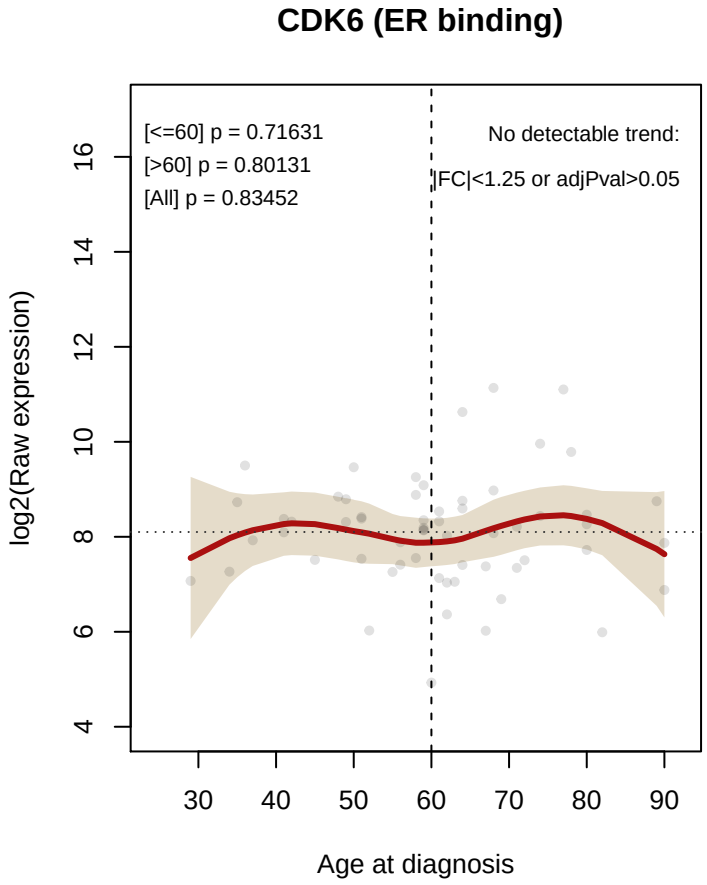
CCND1 (ER binding)

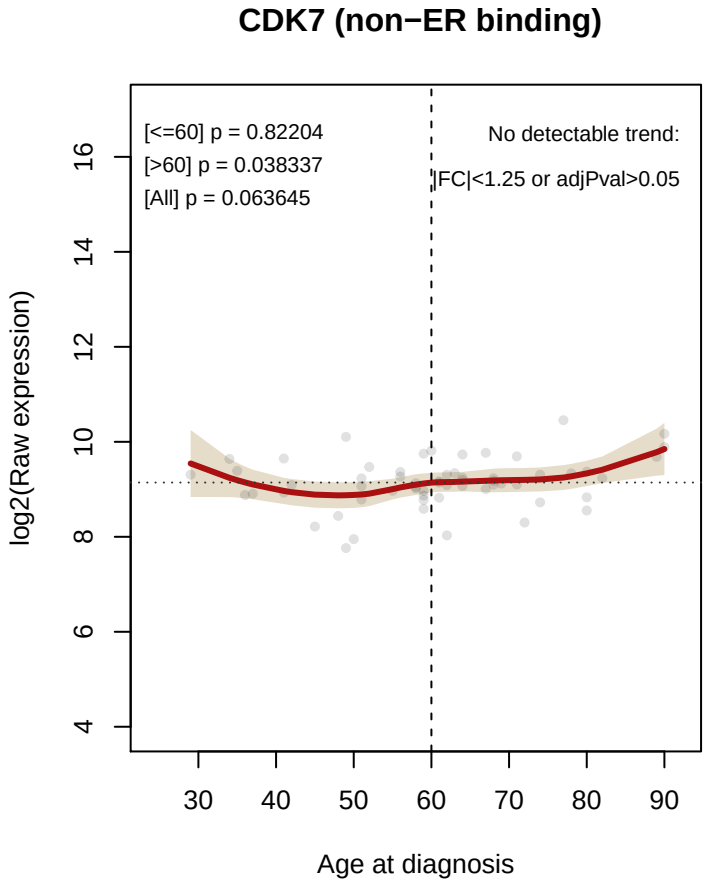


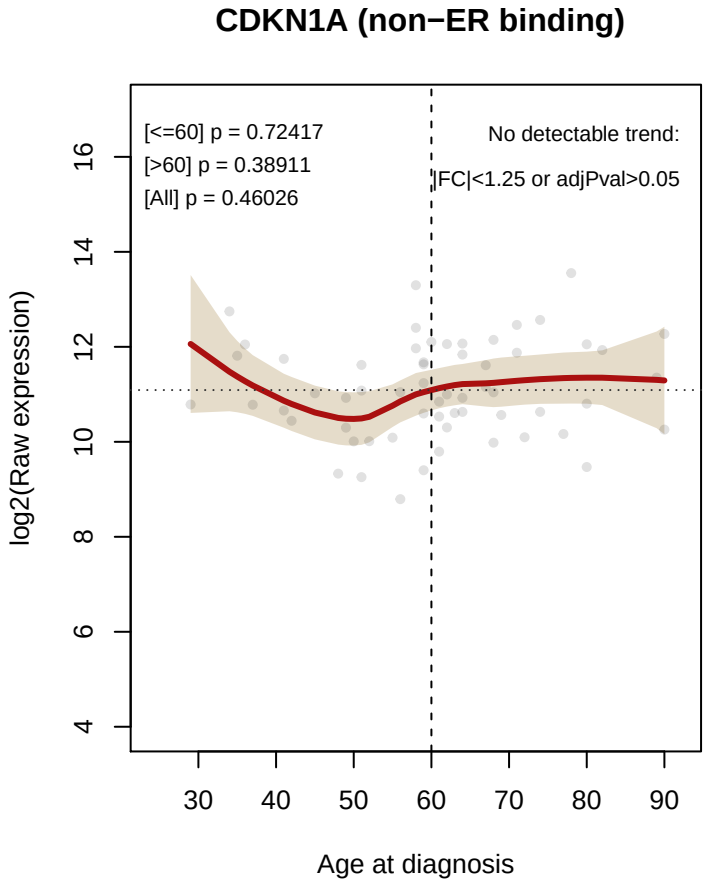

CCNE1 (non−ER binding)
[<=60] p = 0.84195
[>60] p = 0.094261
[All] p = 0.28222
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
CD163 (non−ER binding)
[<=60] p = 0.42955
[>60] p = 0.70565
[All] p = 0.31856
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
CD44 (non−ER binding)
[<=60] p = 0.57778
[>60] p = 0.90256
[All] p = 0.33292
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
CDC25C (non−ER binding)
[<=60] p = 0.046137
[>60] p = 0.47926
[All] p = 0.89223
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis


CDH1 (non−ER binding)
[<=60] p = 0.41724
[>60] p = 0.4118
[All] p = 0.012072
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
CDH3 (ER binding)
[<=60] p = 0.48239
[>60] p = 0.98691
[All] p = 0.7544
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
CDK1 (non−ER binding)
[<=60] p = 0.11318
[>60] p = 0.14821
[All] p = 0.18926
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
CDK2 (non−ER binding)
[<=60] p = 0.47217
[>60] p = 0.14435
[All] p = 0.85743
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

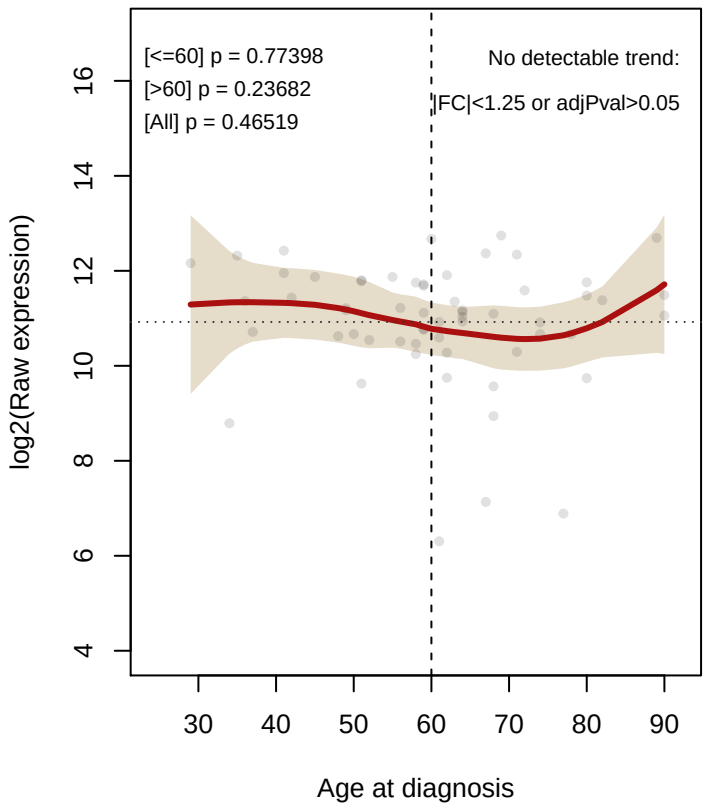

CDK4 (non−ER binding)
[<=60] p = 0.60825
[>60] p = 0.0074737
[All] p = 0.11111
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis


CDK6 (ER binding)
[<=60] p = 0.71631
[>60] p = 0.80131
[All] p = 0.83452
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

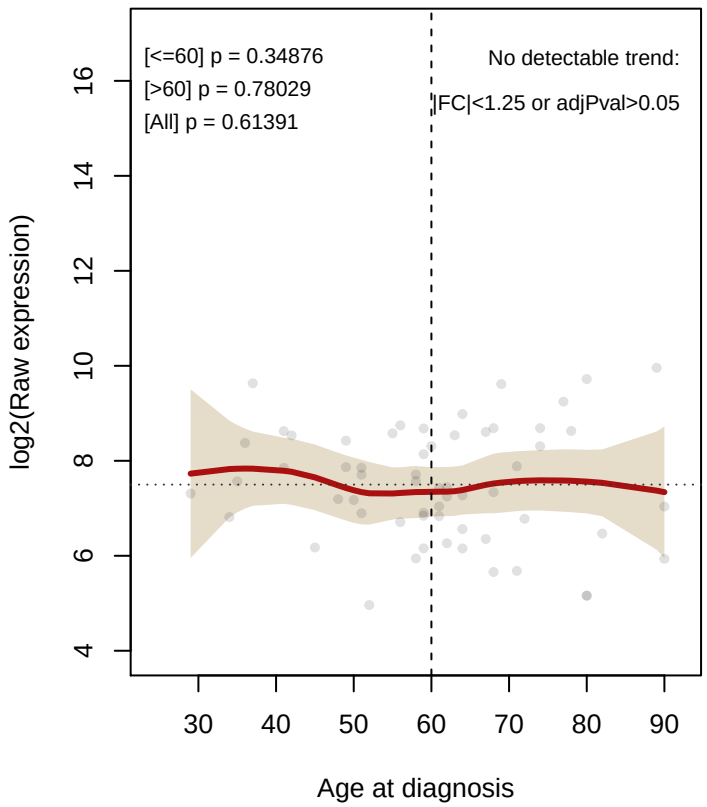

CDK7 (non−ER binding)
[<=60] p = 0.82204
[>60] p = 0.038337
[All] p = 0.063645
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis


CDKN1A (non−ER binding)
[<=60] p = 0.72417
[>60] p = 0.38911
[All] p = 0.46026
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

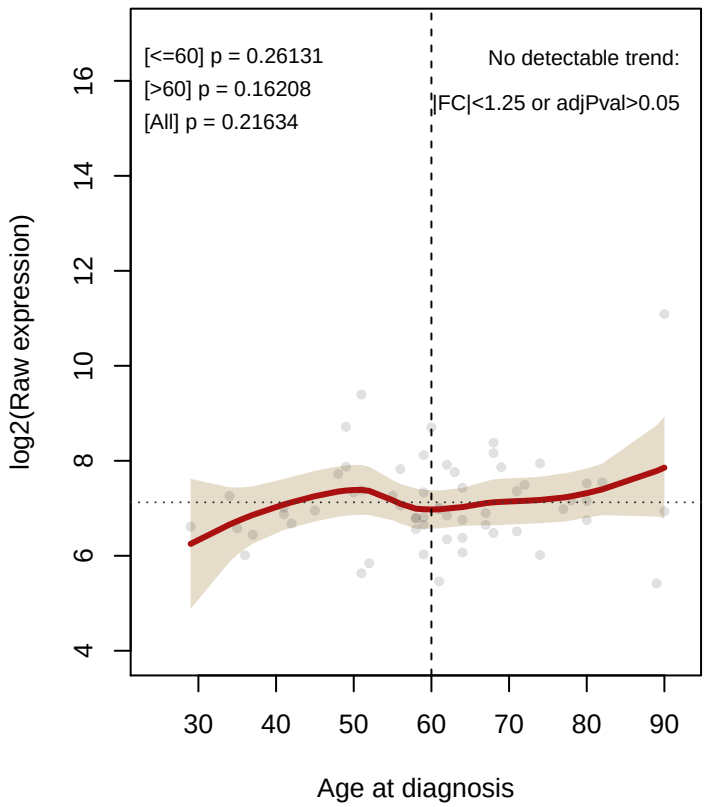
CDKN1B (non−ER binding)



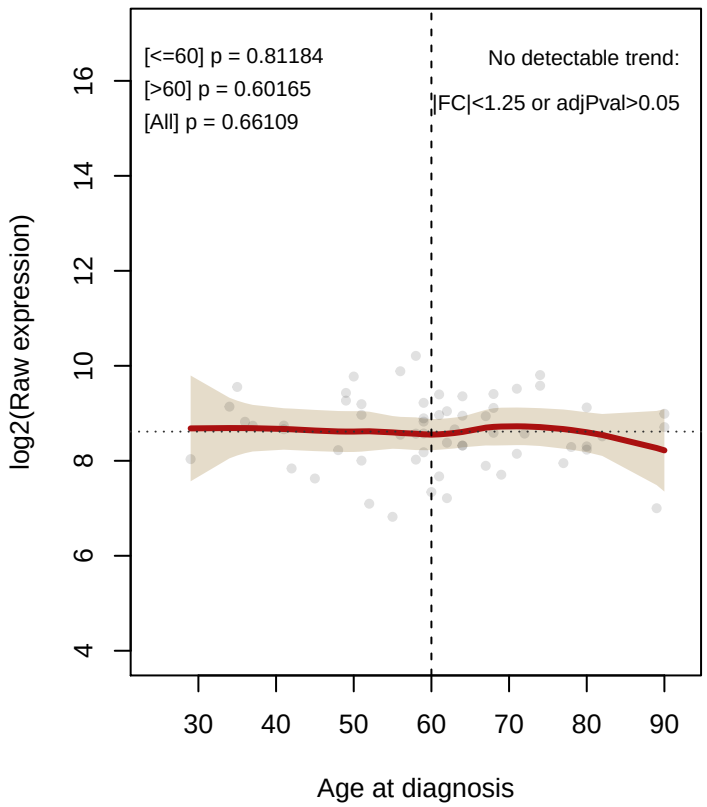
CDKN1C (non−ER binding)

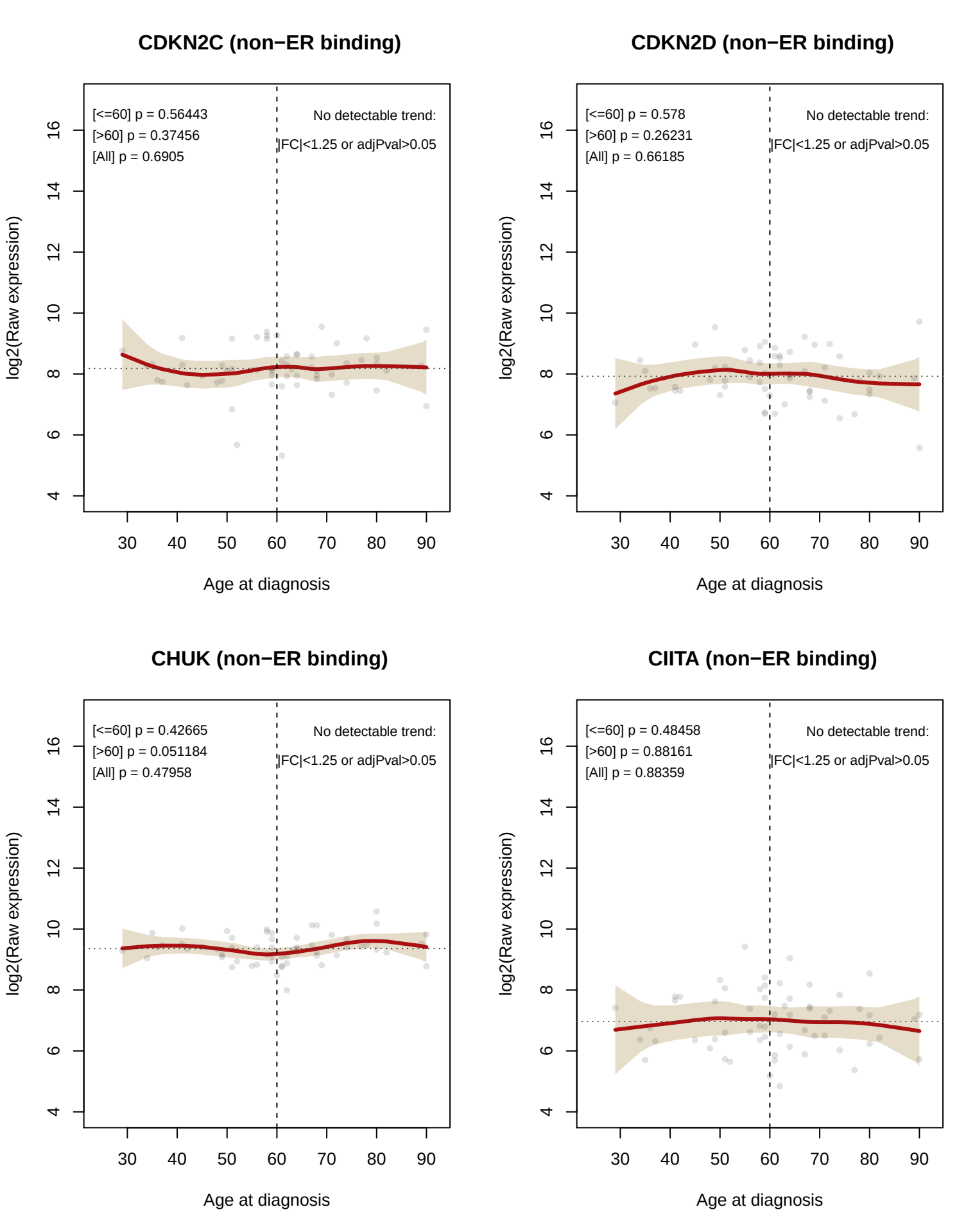


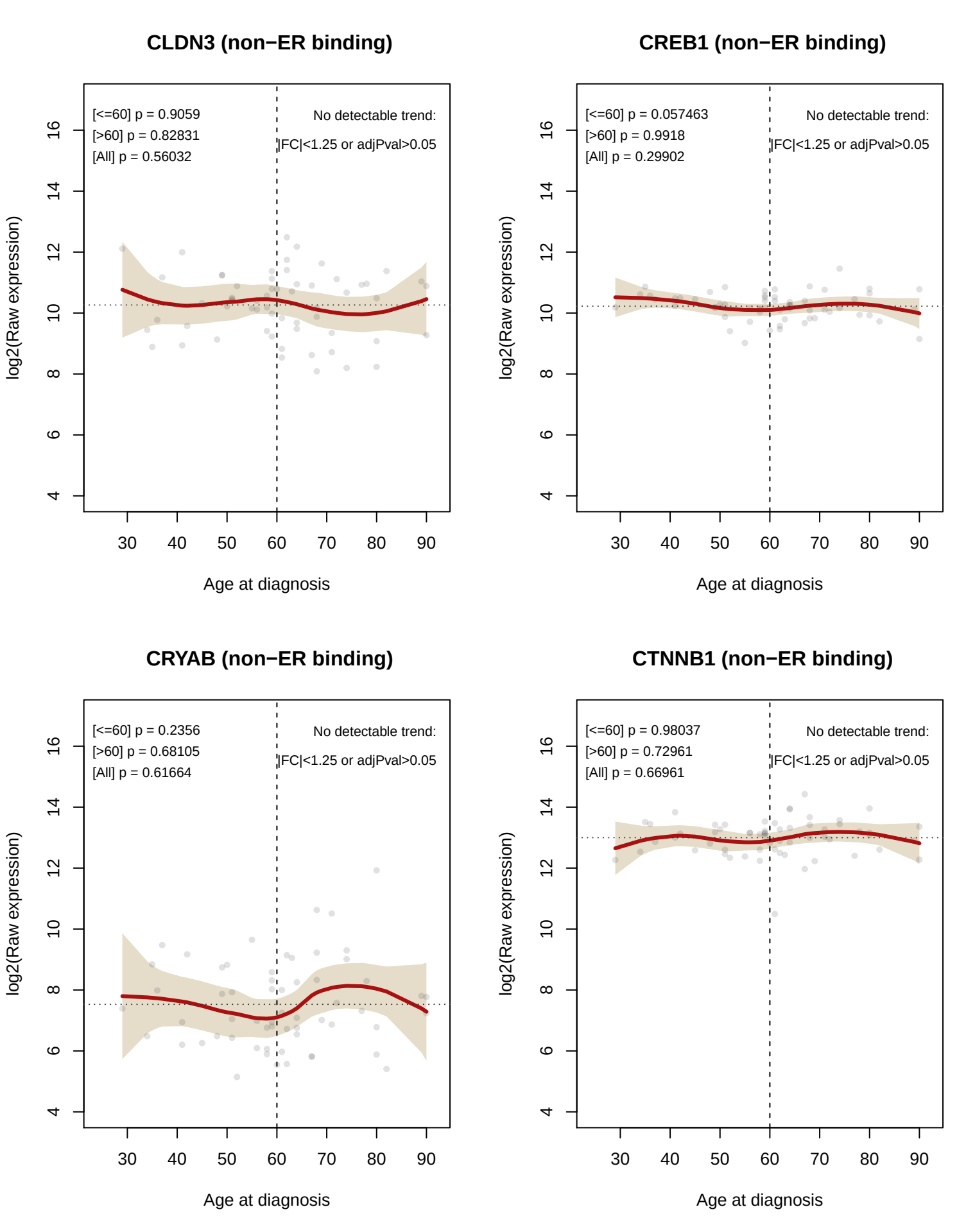
CDKN2A (non−ER binding)

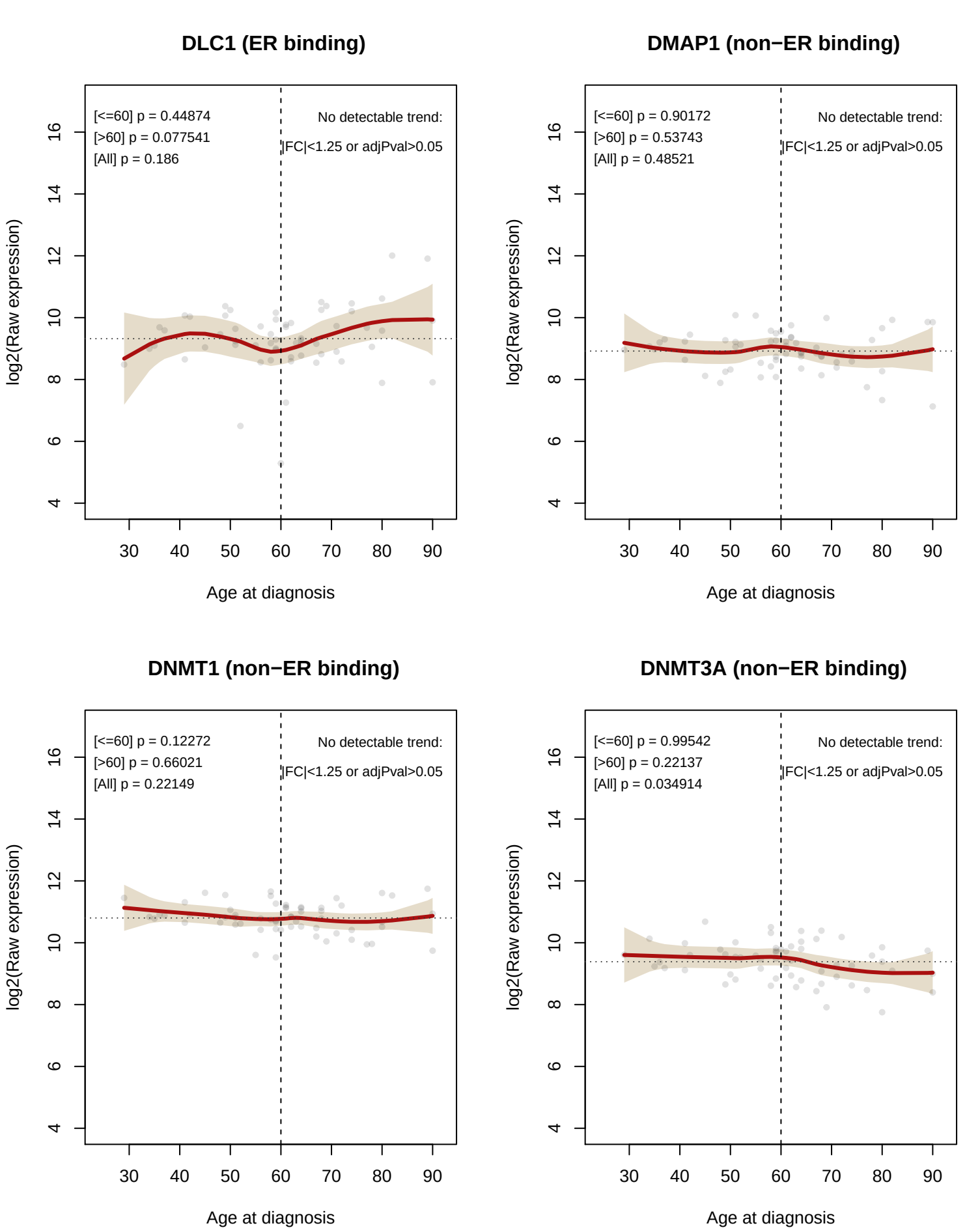


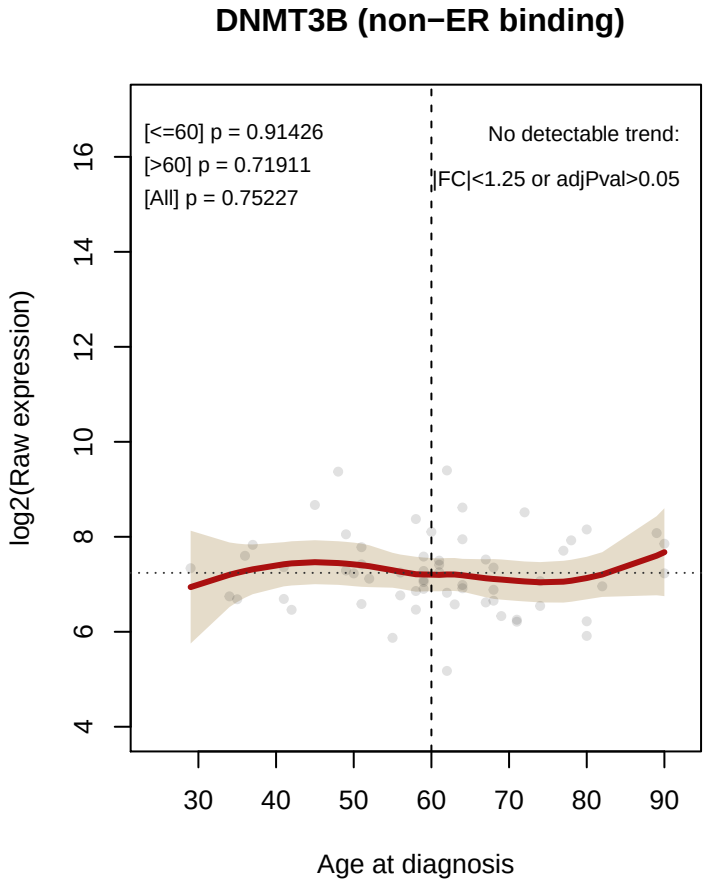
CDKN2B (non−ER binding)

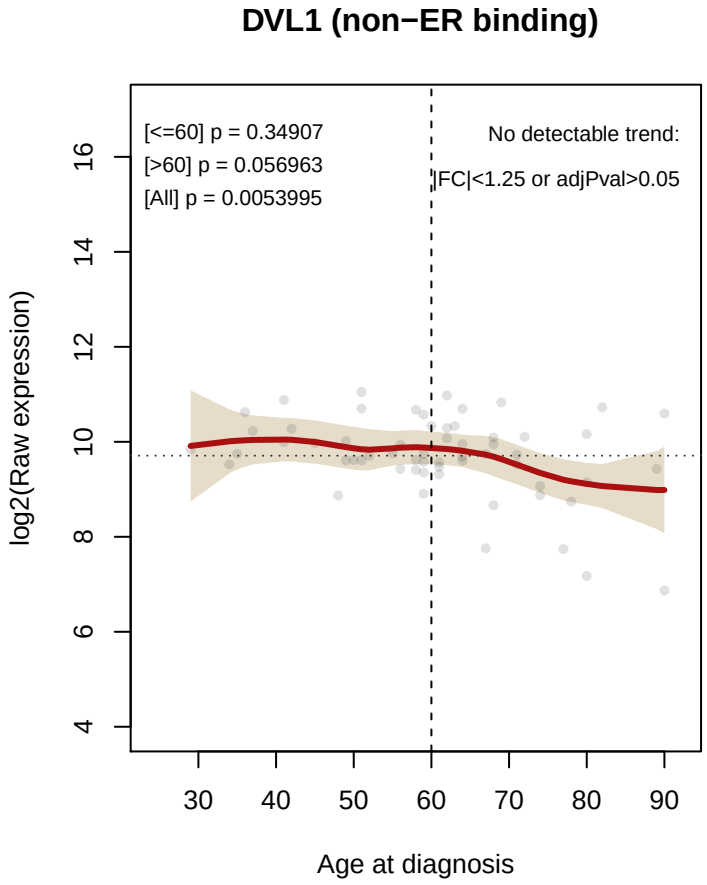


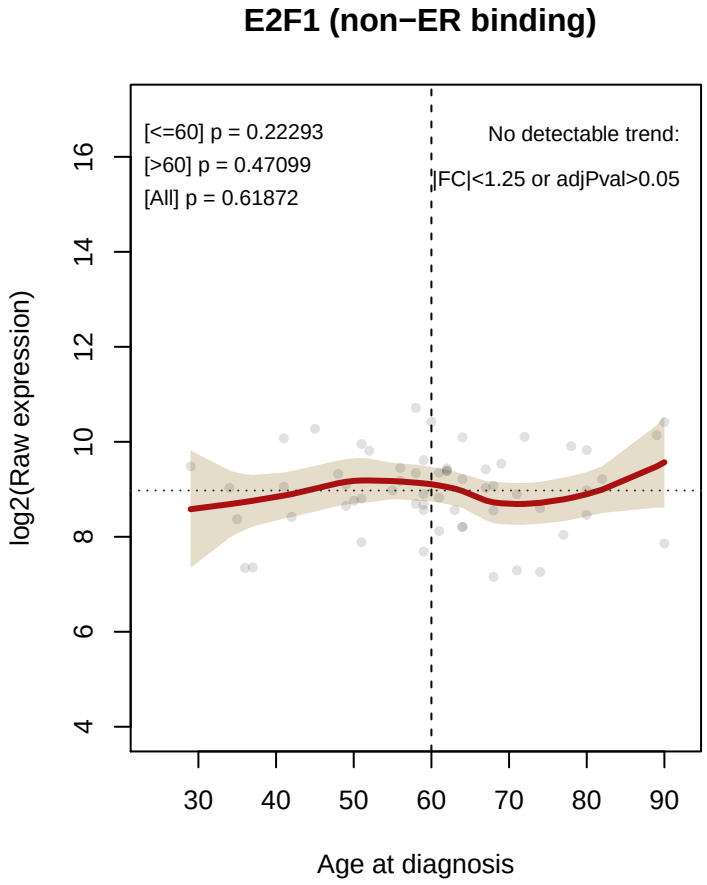

CDKN2C (non−ER binding)
[<=60] p = 0.56443
[>60] p = 0.37456
[All] p = 0.6905
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
CDKN2D (non−ER binding)
[<=60] p = 0.578
[>60] p = 0.26231
[All] p = 0.66185
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
CHUK (non−ER binding)
[<=60] p = 0.42665
[>60] p = 0.051184
[All] p = 0.47958
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
CIITA (non−ER binding)
[<=60] p = 0.48458
[>60] p = 0.88161
[All] p = 0.88359
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

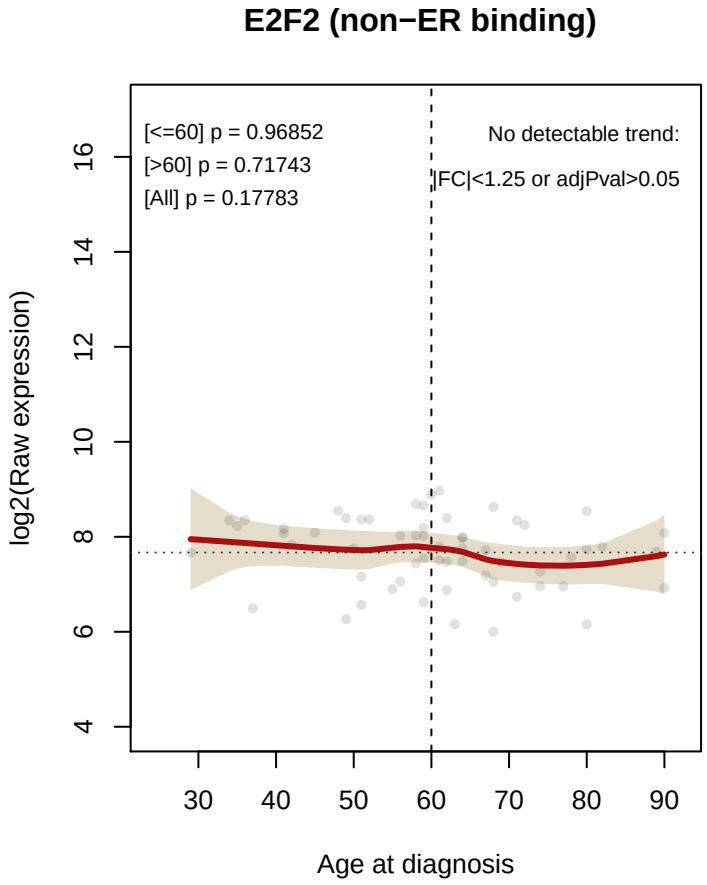

CLDN3 (non−ER binding)
[<=60] p = 0.9059
[>60] p = 0.82831
[All] p = 0.56032
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
CREB1 (non−ER binding)
[<=60] p = 0.057463
[>60] p = 0.9918
[All] p = 0.29902
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
CRYAB (non−ER binding)
[<=60] p = 0.2356
[>60] p = 0.68105
[All] p = 0.61664
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
CTNNB1 (non−ER binding)
[<=60] p = 0.98037
[>60] p = 0.72961
[All] p = 0.66961
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

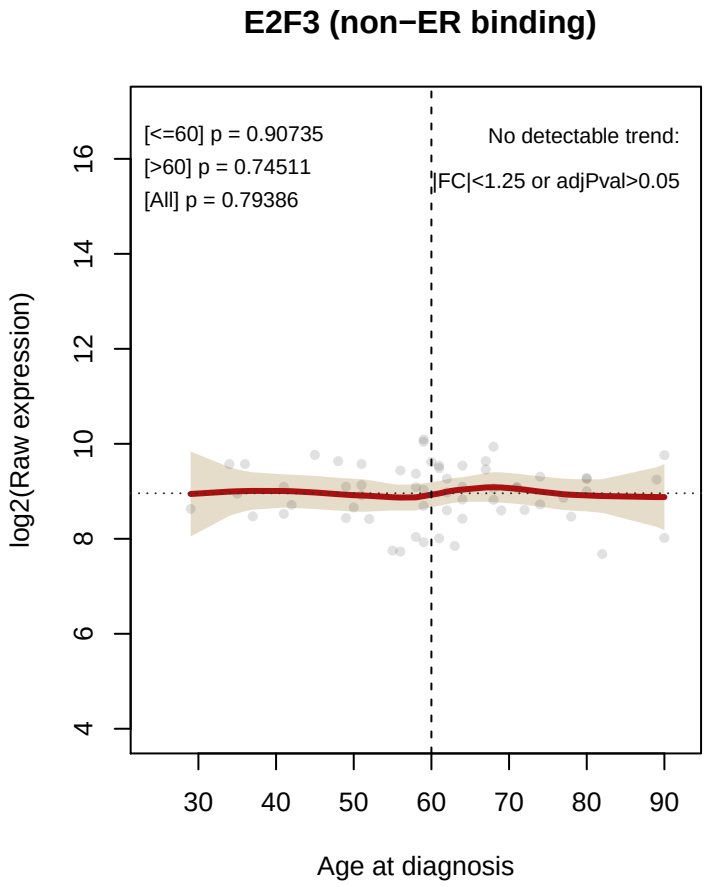

DLC1 (ER binding)
[<=60] p = 0.44874
[>60] p = 0.077541
[All] p = 0.186
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
DMAP1 (non−ER binding)
[<=60] p = 0.90172
[>60] p = 0.53743
[All] p = 0.48521
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
DNMT1 (non−ER binding)
[<=60] p = 0.12272
[>60] p = 0.66021
[All] p = 0.22149
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
DNMT3A (non−ER binding)
[<=60] p = 0.99542
[>60] p = 0.22137
[All] p = 0.034914
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

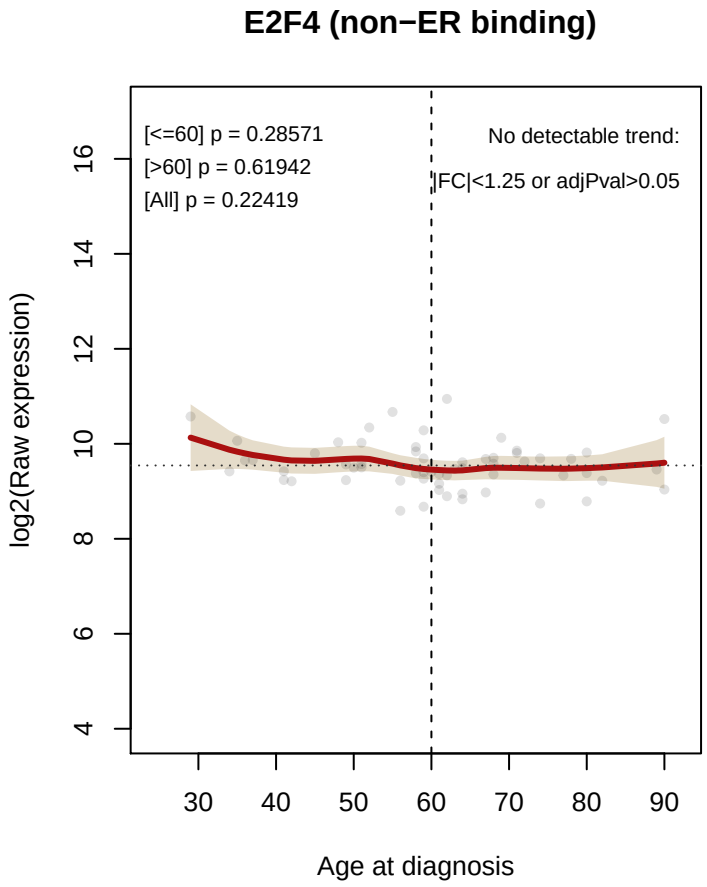

DNMT3B (non−ER binding)
[<=60] p = 0.91426
[>60] p = 0.71911
[All] p = 0.75227
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

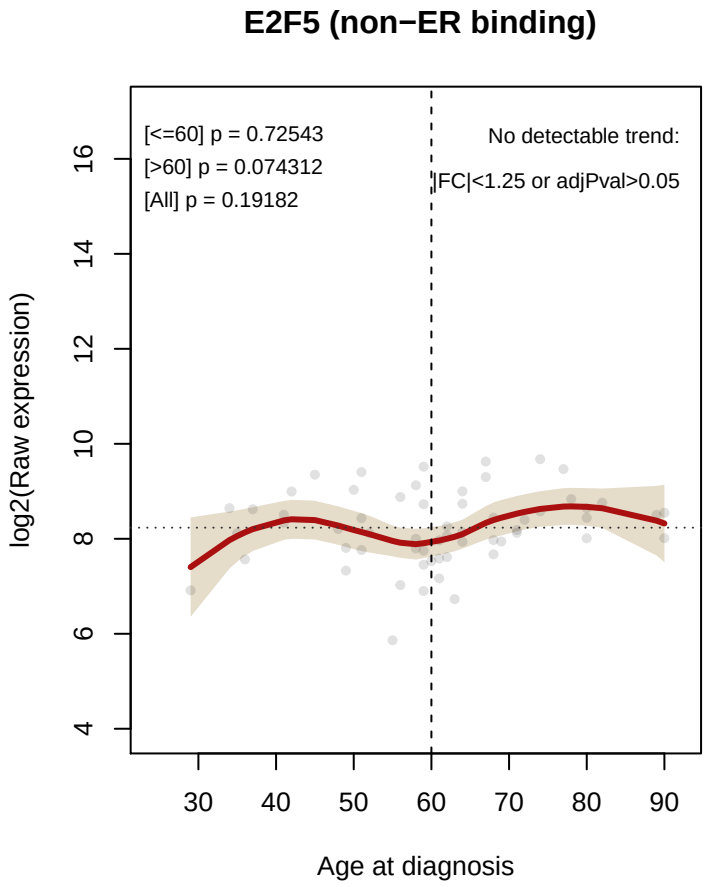

DVL1 (non−ER binding)
[<=60] p = 0.34907
[>60] p = 0.056963
[All] p = 0.0053995
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

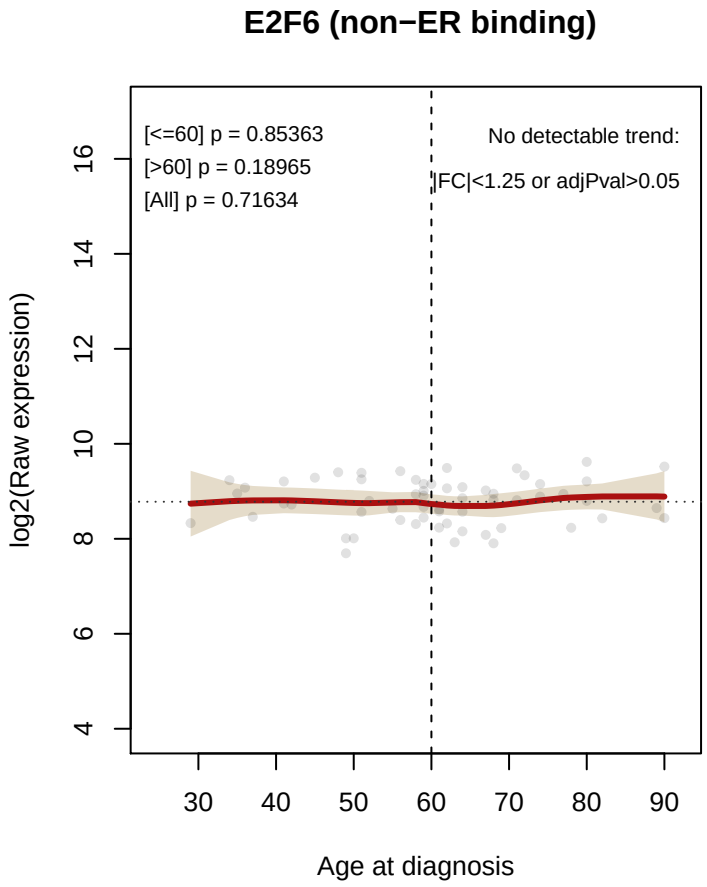

E2F1 (non−ER binding)
[<=60] p = 0.22293
[>60] p = 0.47099
[All] p = 0.61872
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis


E2F2 (non−ER binding)
[<=60] p = 0.96852
[>60] p = 0.71743
[All] p = 0.17783
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

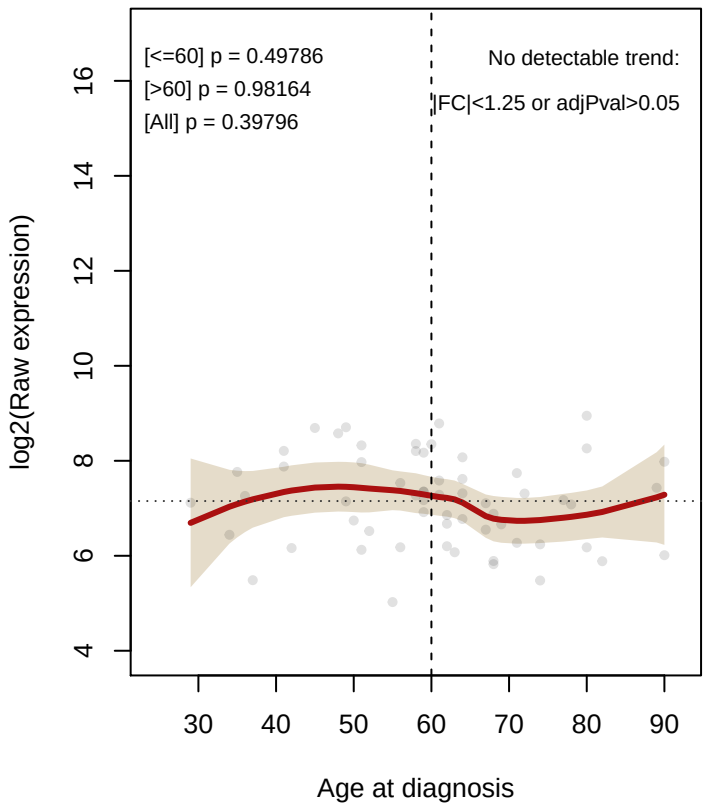

E2F3 (non−ER binding)
[<=60] p = 0.90735
[>60] p = 0.74511
[All] p = 0.79386
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis


E2F4 (non−ER binding)
[<=60] p = 0.28571
[>60] p = 0.61942
[All] p = 0.22419
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

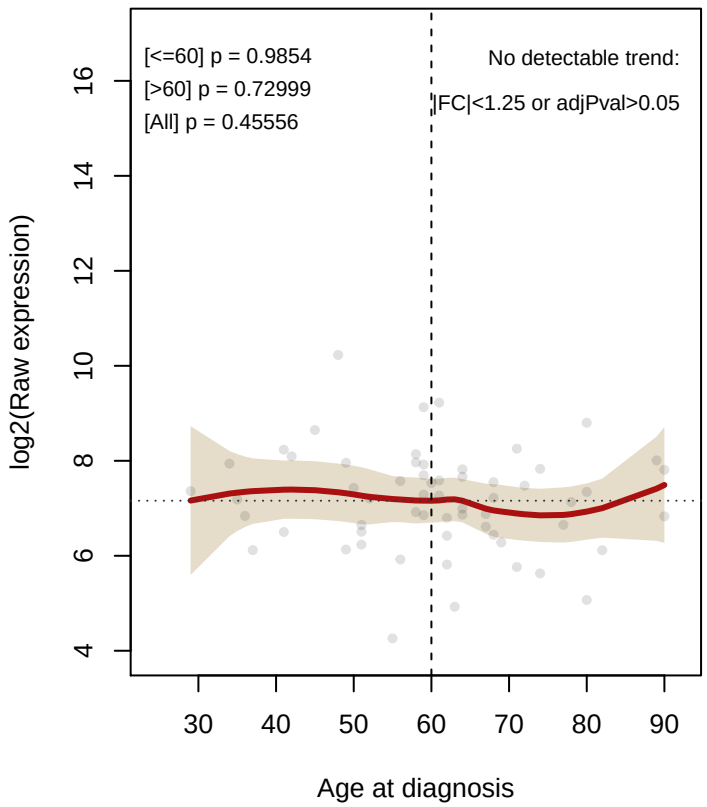

E2F5 (non−ER binding)
[<=60] p = 0.72543
[>60] p = 0.074312
[All] p = 0.19182
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis


E2F6 (non−ER binding)
[<=60] p = 0.85363
[>60] p = 0.18965
[All] p = 0.71634
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

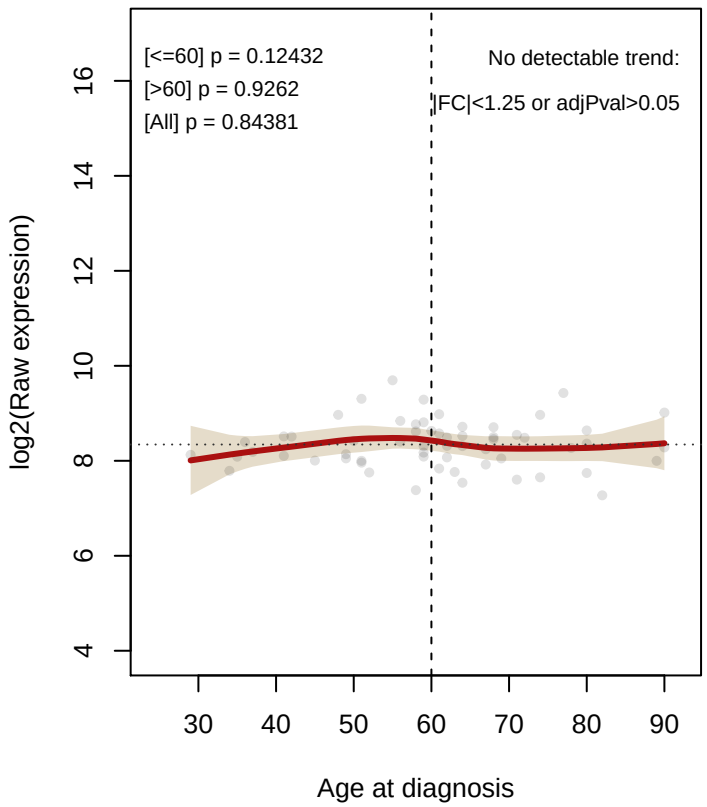
E2F7 (non−ER binding)



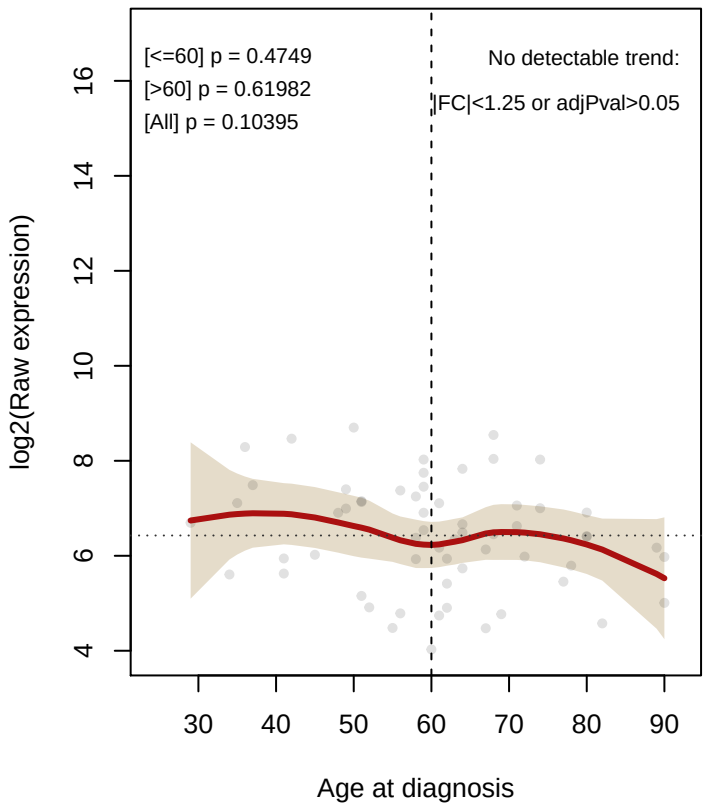
E2F8 (non−ER binding)

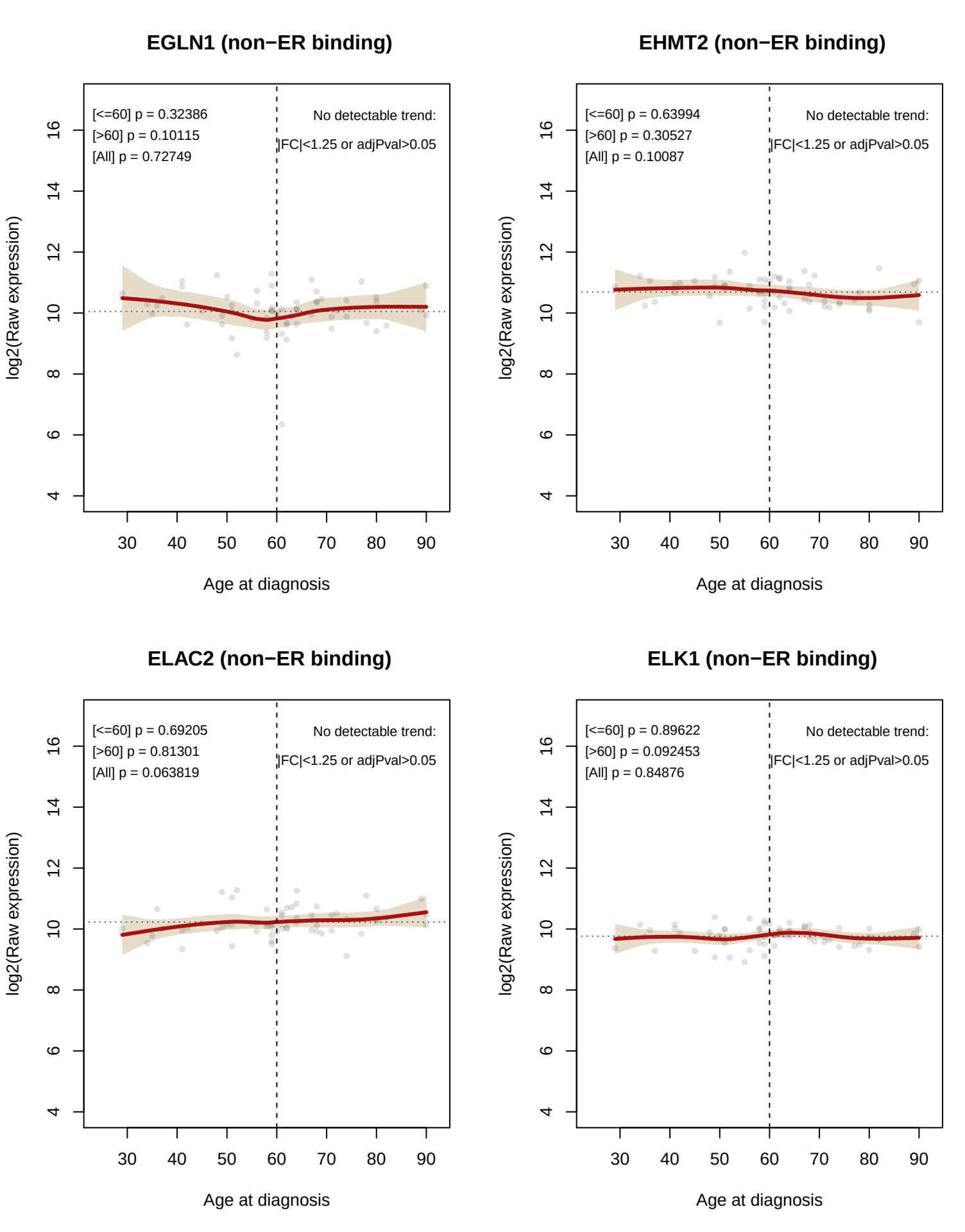


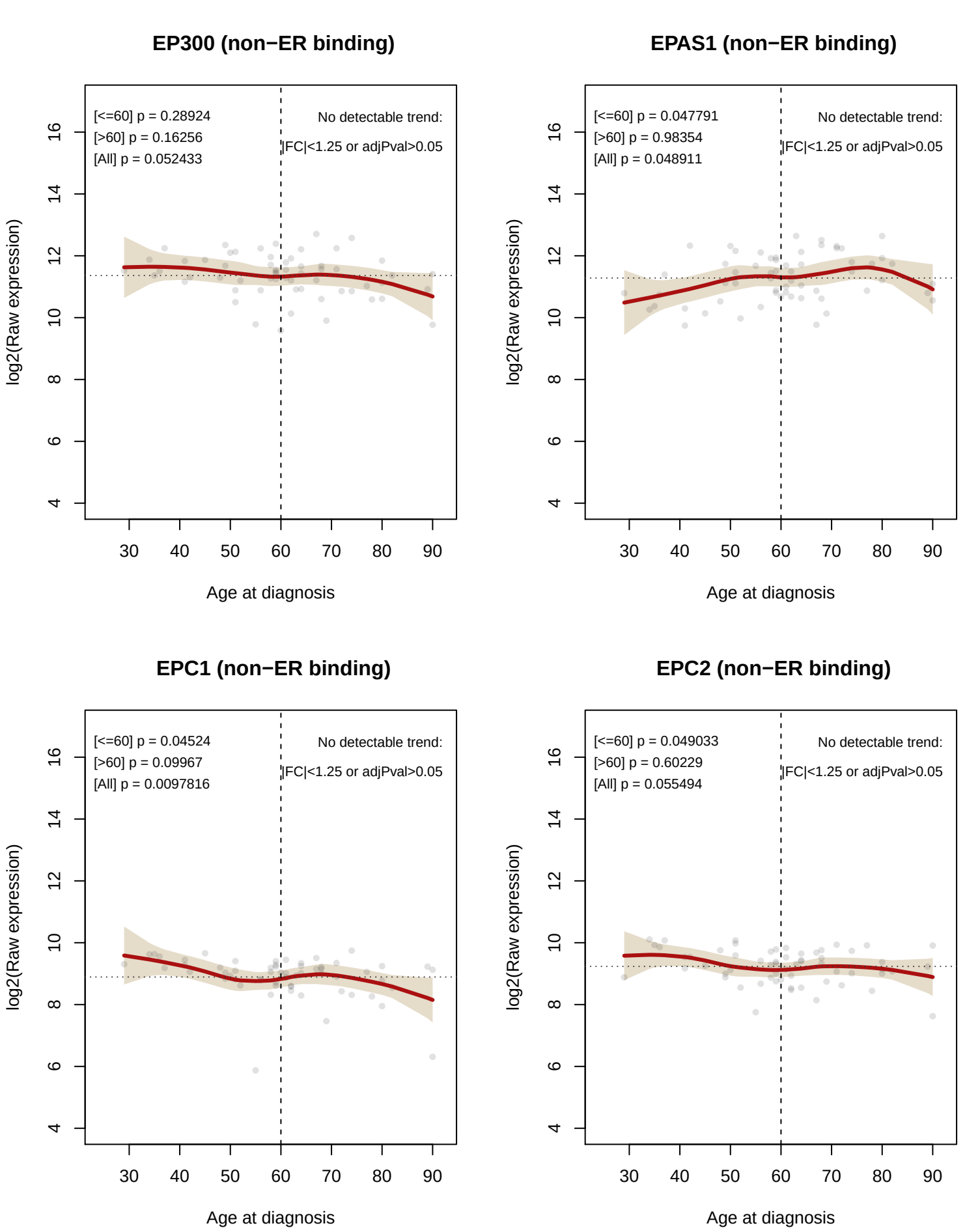
EED (non−ER binding)

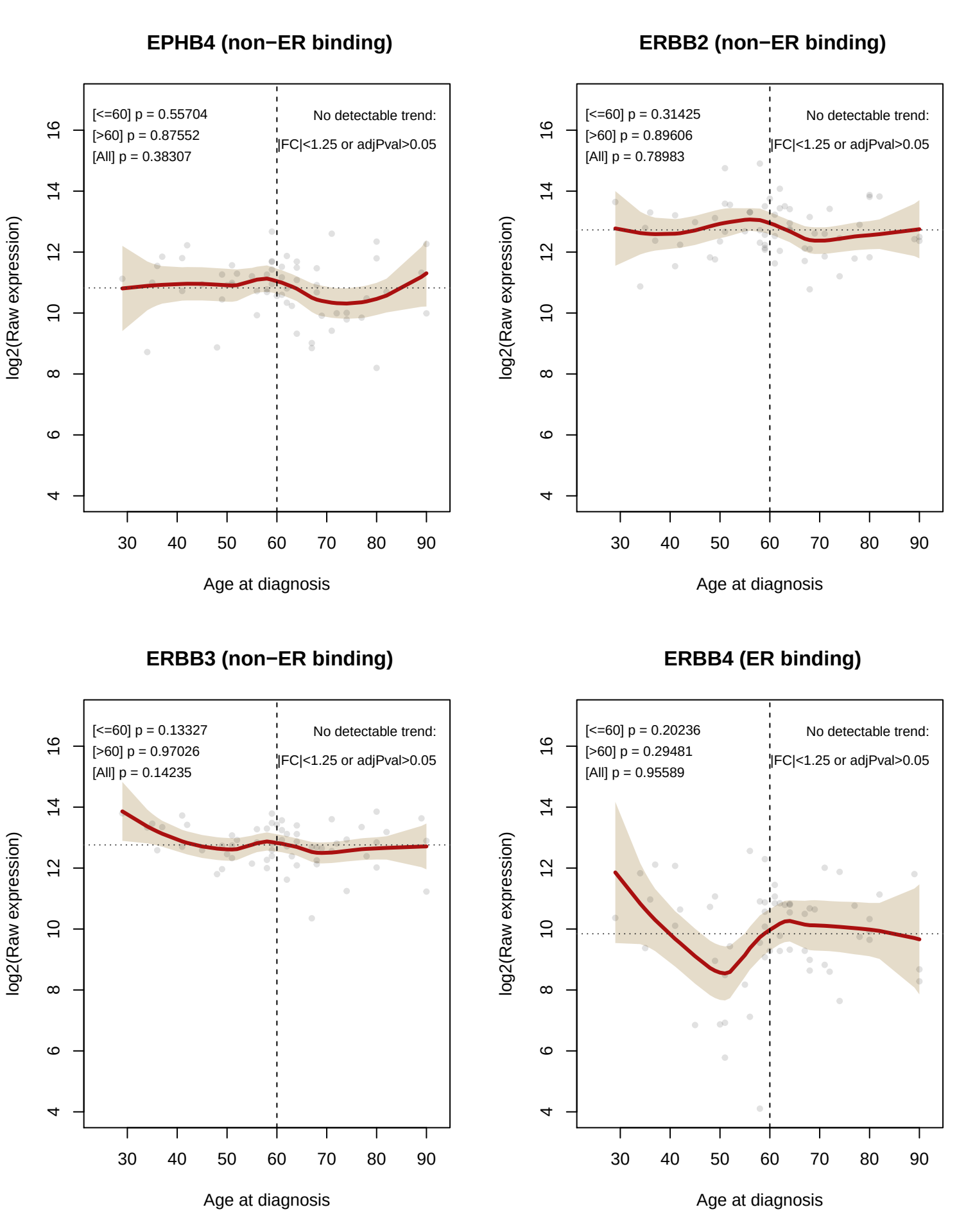


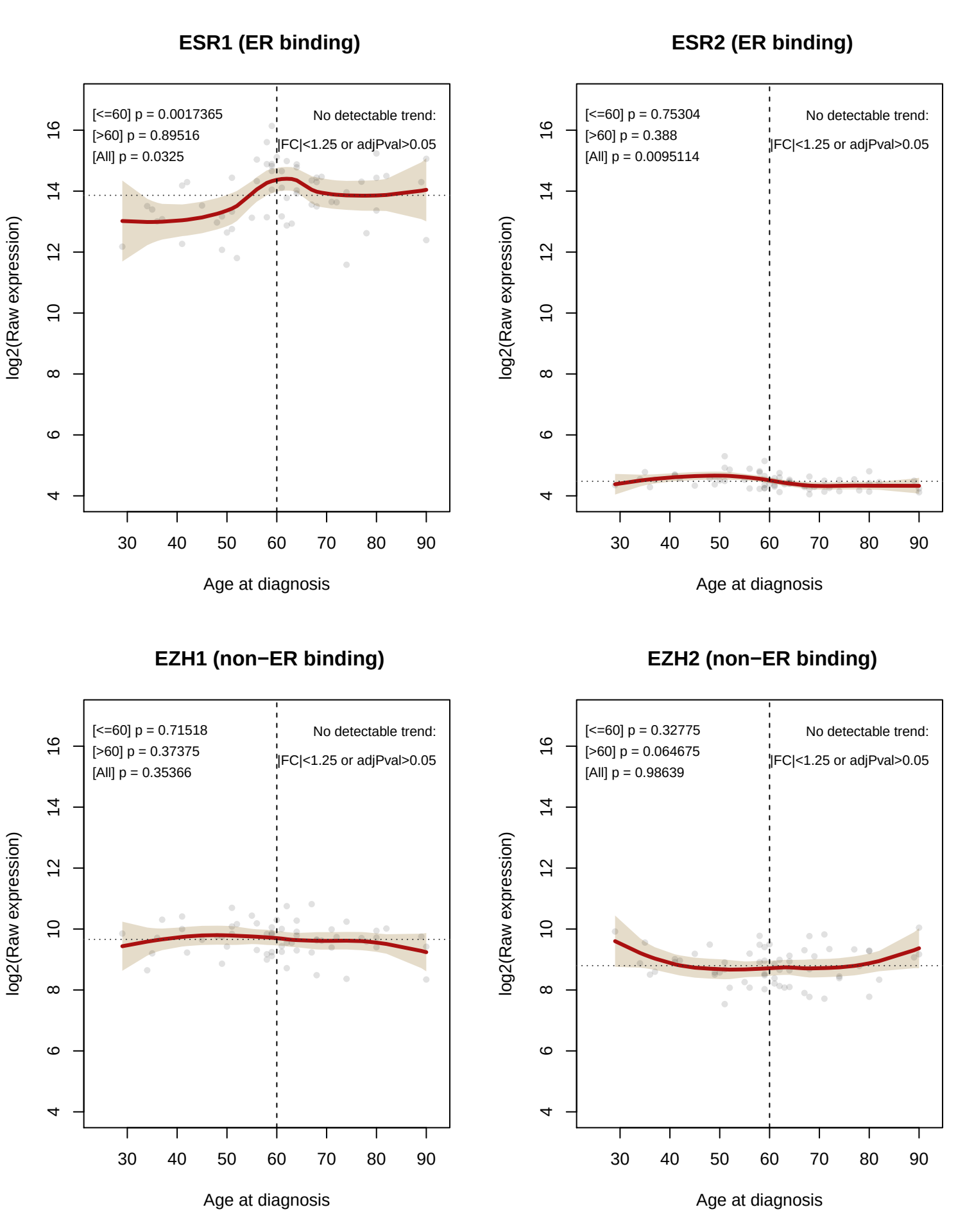
EGFR (non−ER binding)



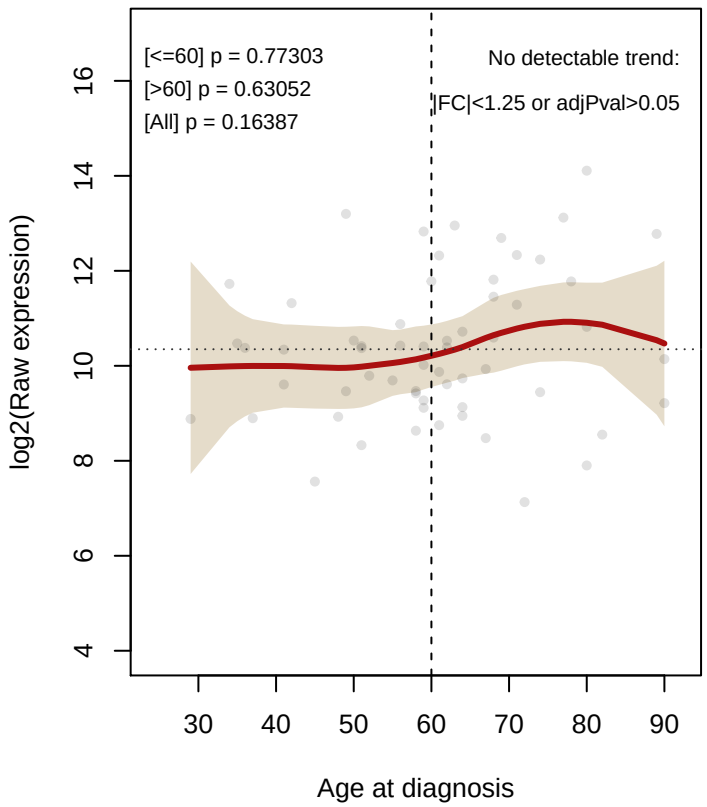

EGLN1 (non−ER binding)
[<=60] p = 0.32386
[>60] p = 0.10115
[All] p = 0.72749
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
EHMT2 (non−ER binding)
[<=60] p = 0.63994
[>60] p = 0.30527
[All] p = 0.10087
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
ELAC2 (non−ER binding)
[<=60] p = 0.69205
[>60] p = 0.81301
[All] p = 0.063819
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
ELK1 (non−ER binding)
[<=60] p = 0.89622
[>60] p = 0.092453
[All] p = 0.84876
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis


EP300 (non−ER binding)
[<=60] p = 0.28924
[>60] p = 0.16256
[All] p = 0.052433
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
EPAS1 (non−ER binding)
[<=60] p = 0.047791
[>60] p = 0.98354
[All] p = 0.048911
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
EPC1 (non−ER binding)
[<=60] p = 0.04524
[>60] p = 0.09967
[All] p = 0.0097816
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
EPC2 (non−ER binding)
[<=60] p = 0.049033
[>60] p = 0.60229
[All] p = 0.055494
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

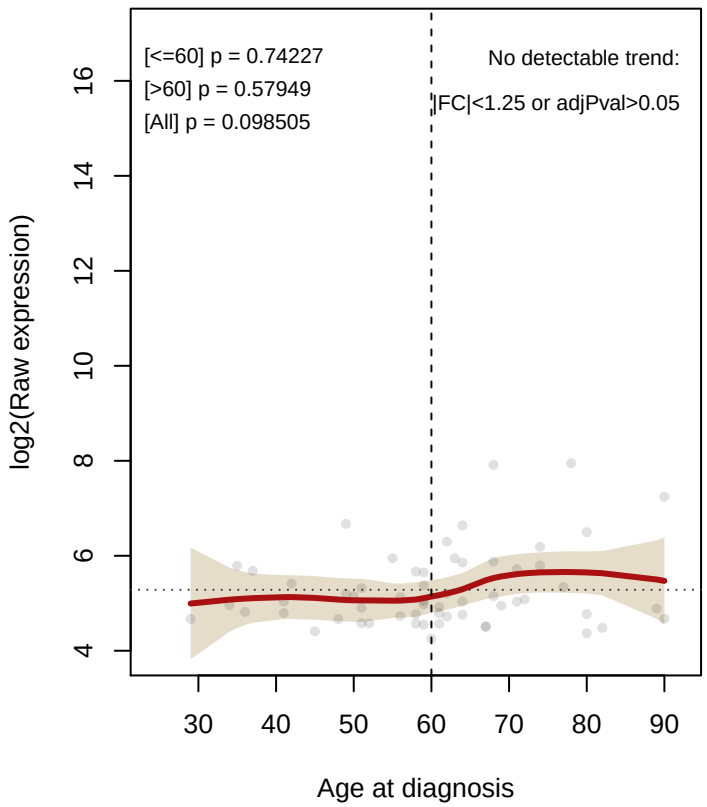

EPHB4 (non−ER binding)
[<=60] p = 0.55704
[>60] p = 0.87552
[All] p = 0.38307
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
ERBB2 (non−ER binding)
[<=60] p = 0.31425
[>60] p = 0.89606
[All] p = 0.78983
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
ERBB3 (non−ER binding)
[<=60] p = 0.13327
[>60] p = 0.97026
[All] p = 0.14235
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
ERBB4 (ER binding)
[<=60] p = 0.20236
[>60] p = 0.29481
[All] p = 0.95589
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis


ESR1 (ER binding)
[<=60] p = 0.0017365
[>60] p = 0.89516
[All] p = 0.0325
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
ESR2 (ER binding)
[<=60] p = 0.75304
[>60] p = 0.388
[All] p = 0.0095114
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
EZH1 (non−ER binding)
[<=60] p = 0.71518
[>60] p = 0.37375
[All] p = 0.35366
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
EZH2 (non−ER binding)
[<=60] p = 0.32775
[>60] p = 0.064675
[All] p = 0.98639
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

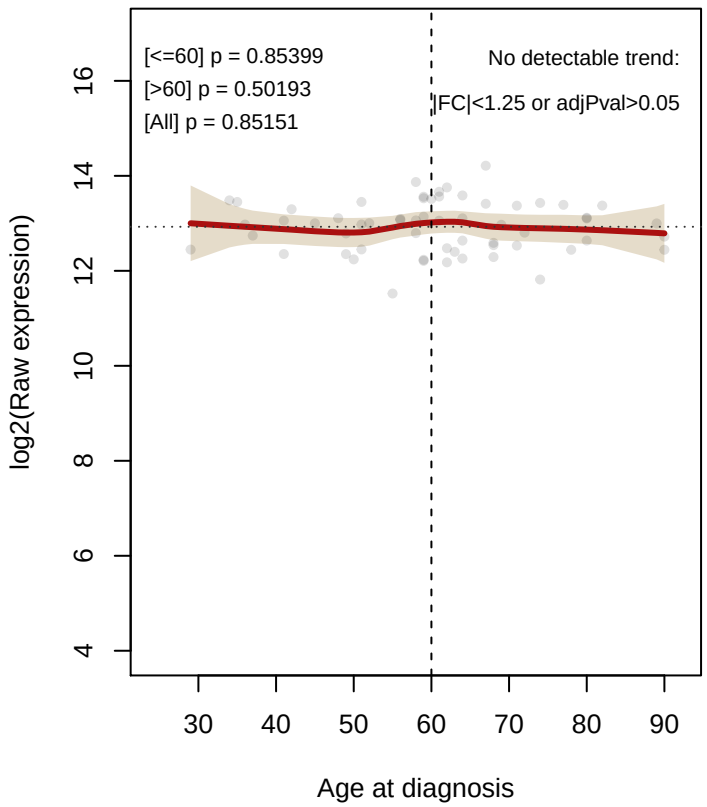
FOS (non−ER binding)



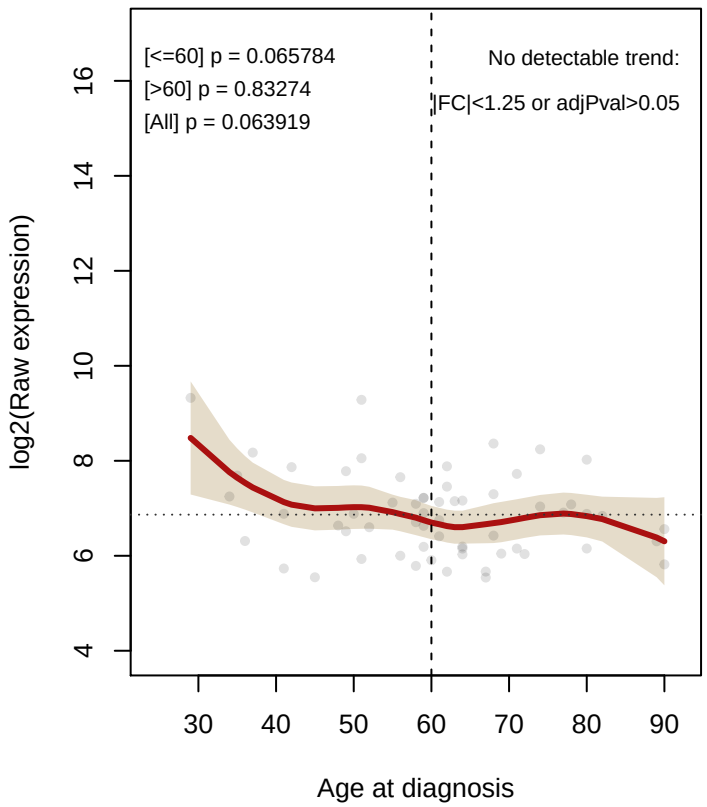
FOSL1 (non−ER binding)



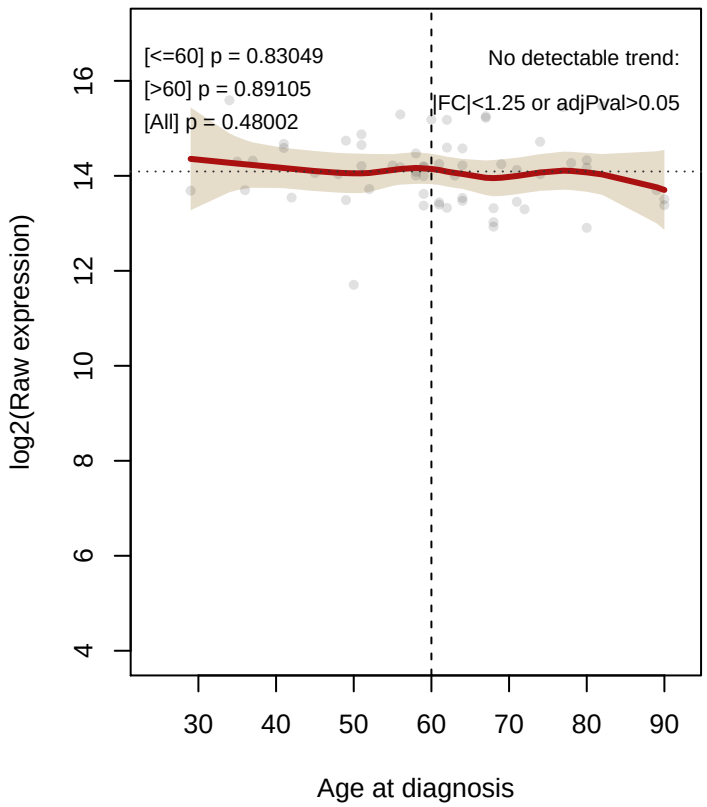
FOXA1 (ER binding)



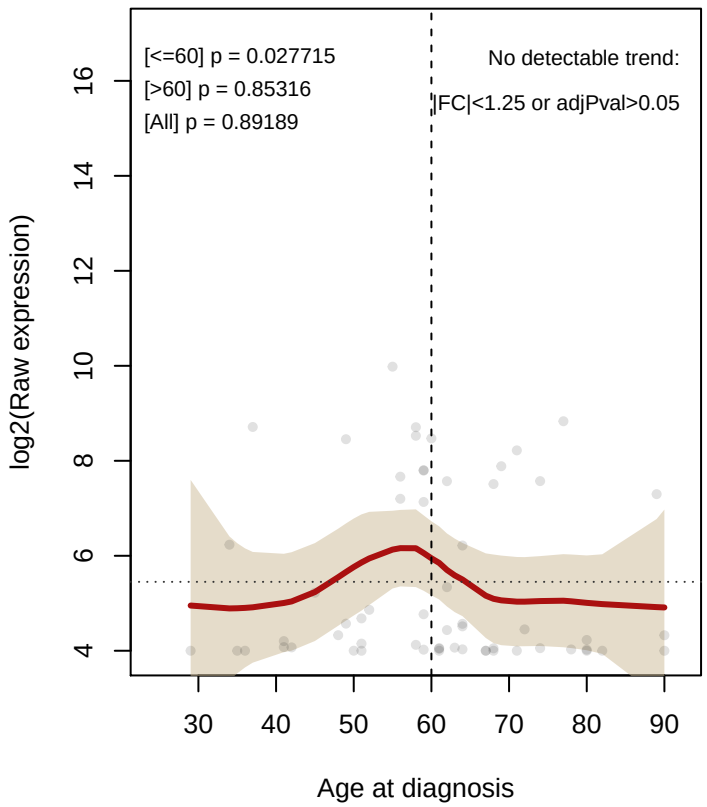
FOXC1 (ER binding)



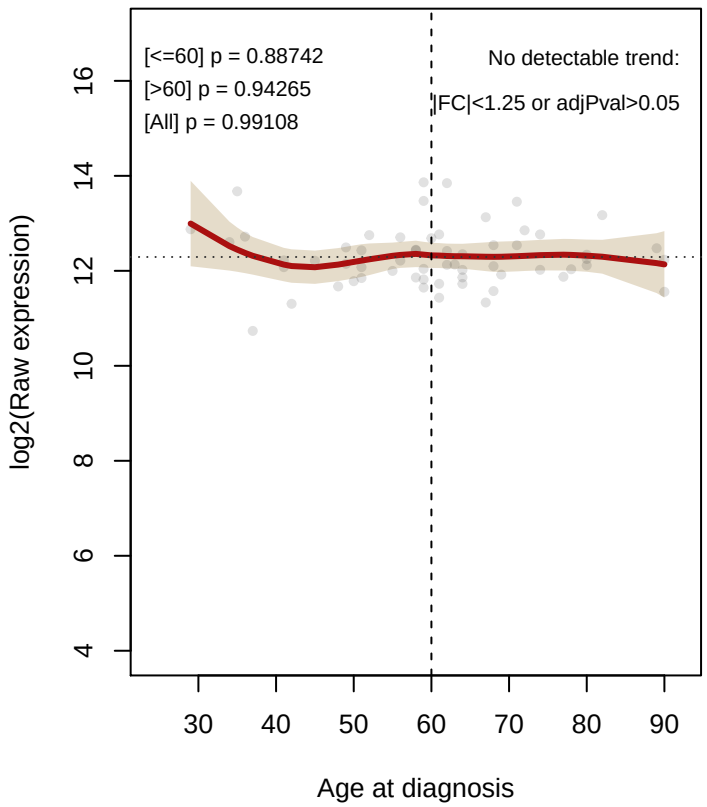
GATA3 (non−ER binding)



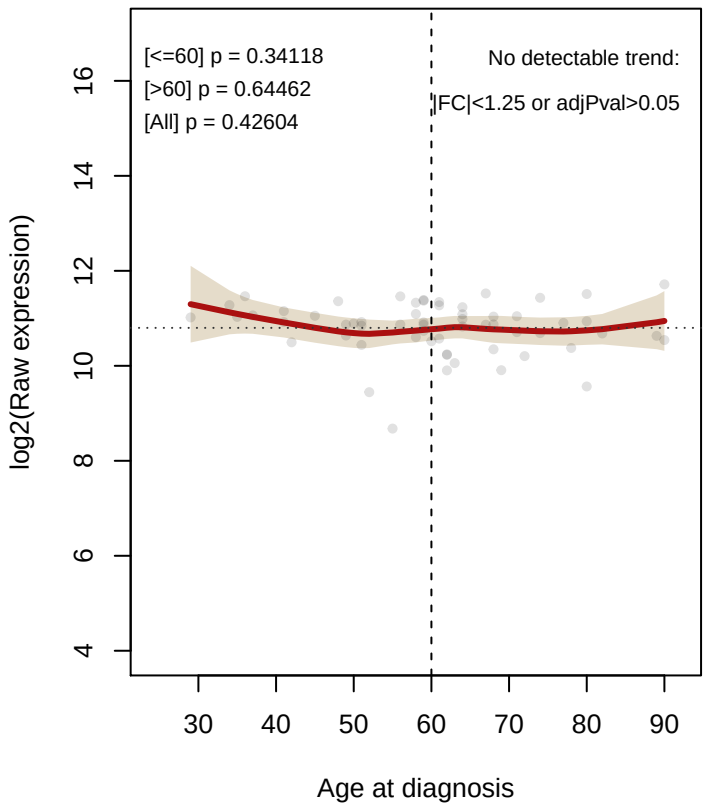
GATA4 (ER binding)

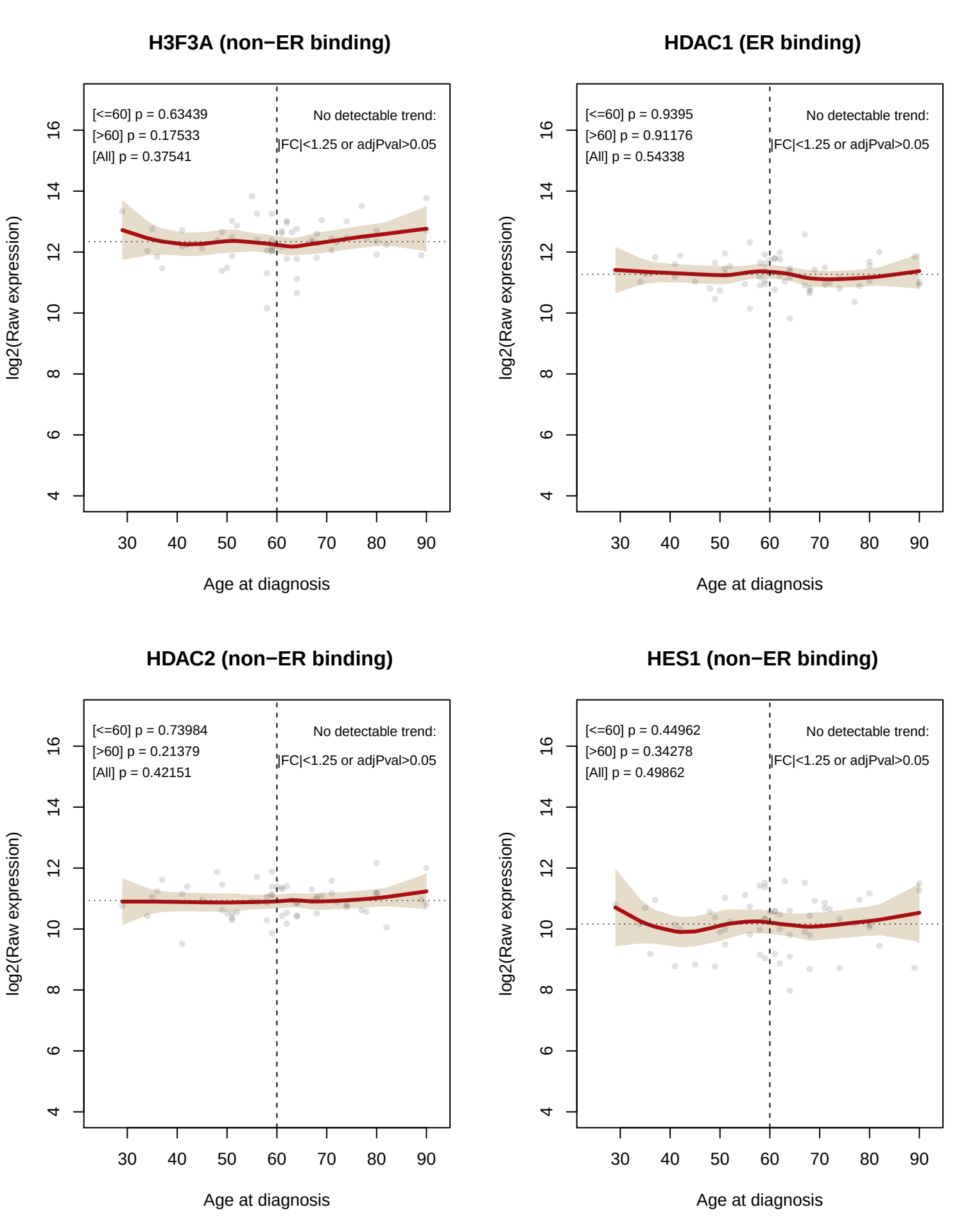


GRB2 (non−ER binding)

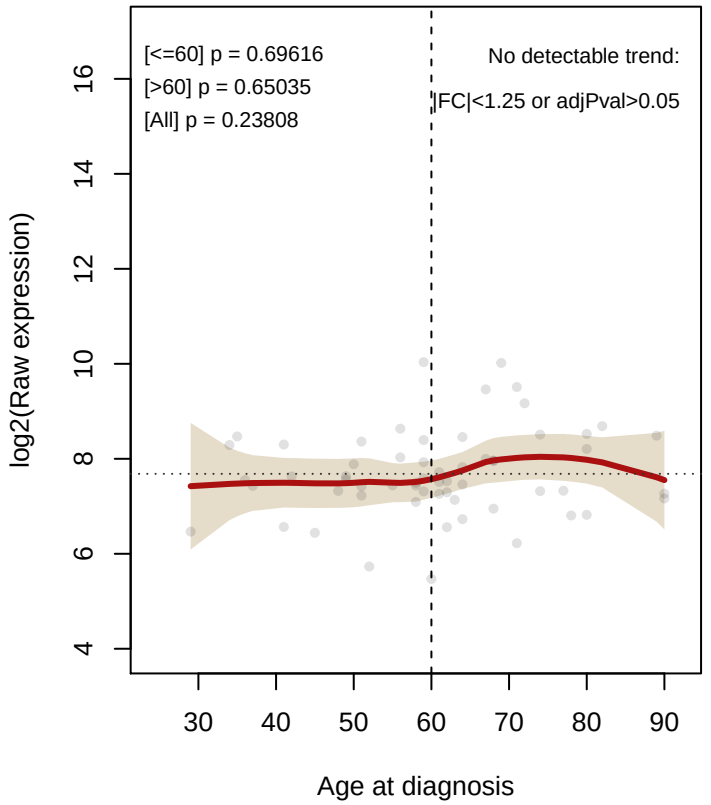


GSK3B (non−ER binding)

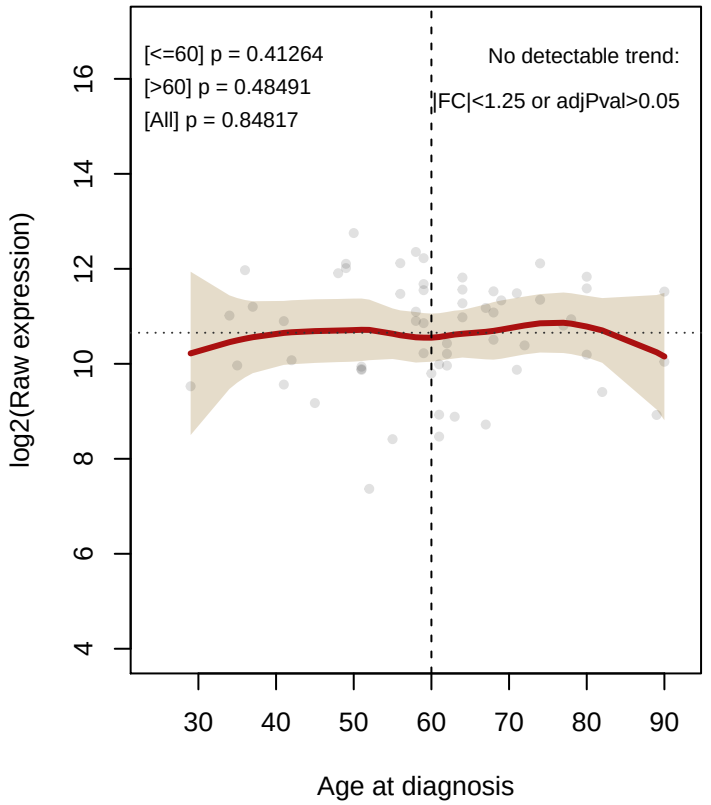



H3F3A (non−ER binding)
[<=60] p = 0.63439
[>60] p = 0.17533
[All] p = 0.37541
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
HDAC1 (ER binding)
[<=60] p = 0.9395
[>60] p = 0.91176
[All] p = 0.54338
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
HDAC2 (non−ER binding)
[<=60] p = 0.73984
[>60] p = 0.21379
[All] p = 0.42151
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
HES1 (non−ER binding)
[<=60] p = 0.44962
[>60] p = 0.34278
[All] p = 0.49862
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

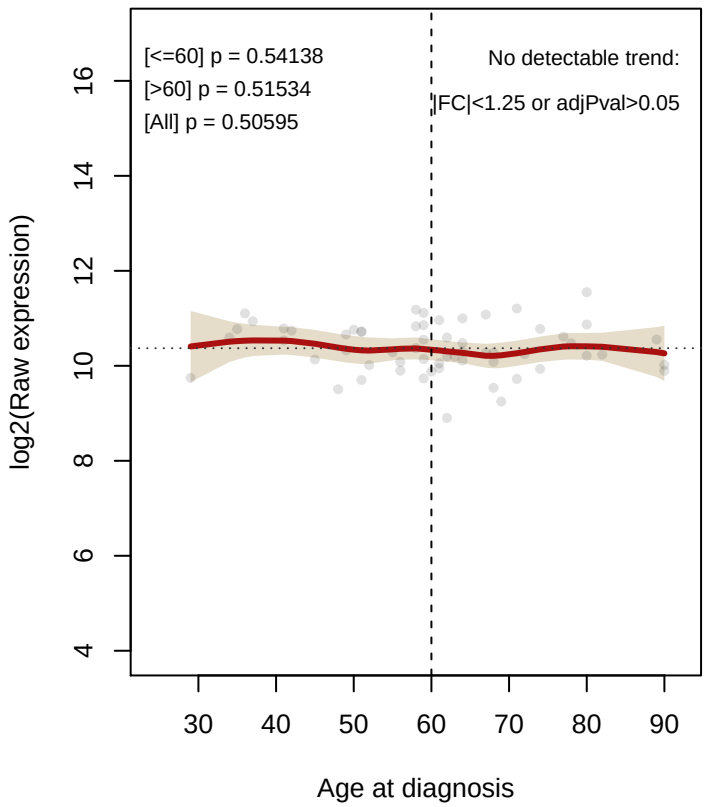
HEY1 (non−ER binding)



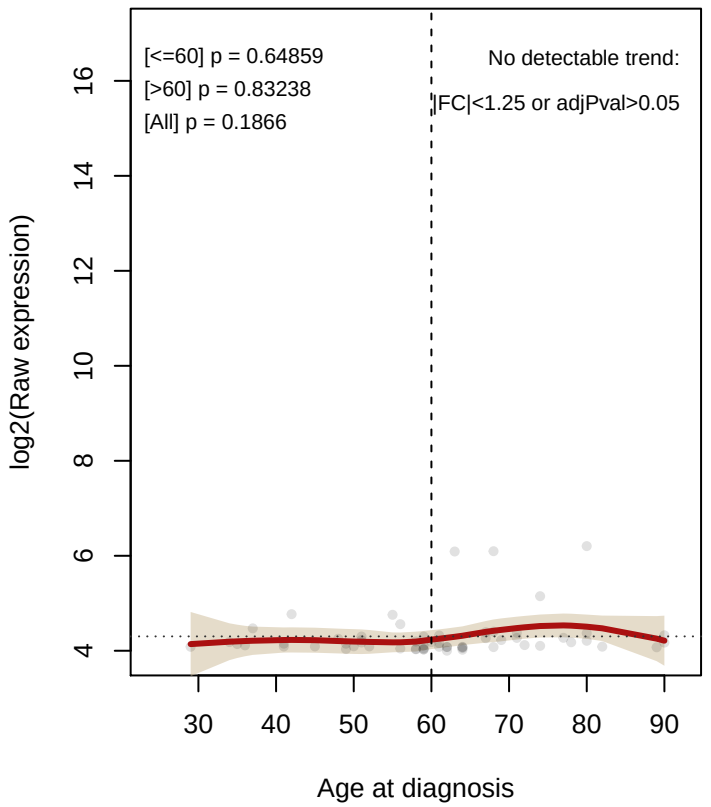
HIF1A (non−ER binding)



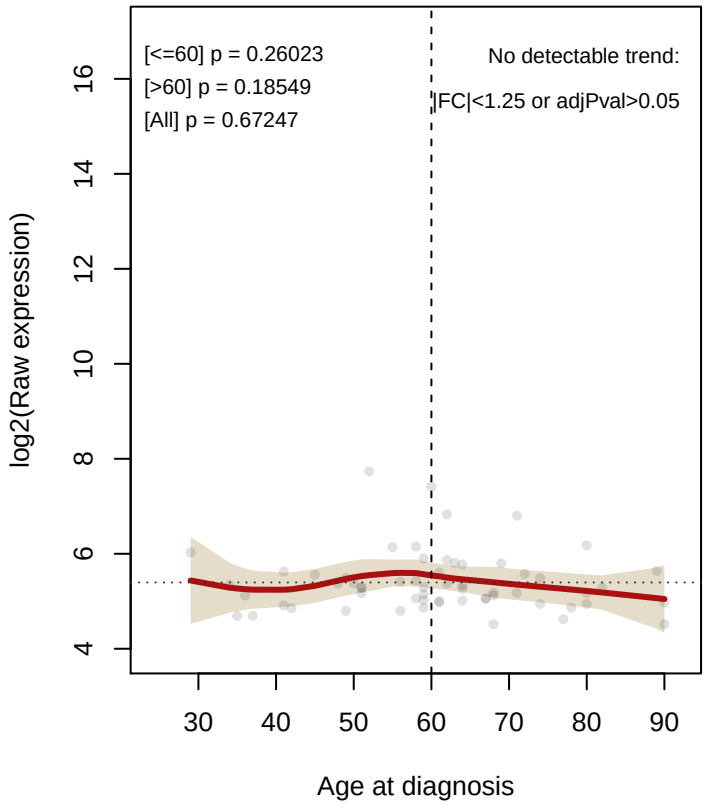
HIF1AN (non−ER binding)



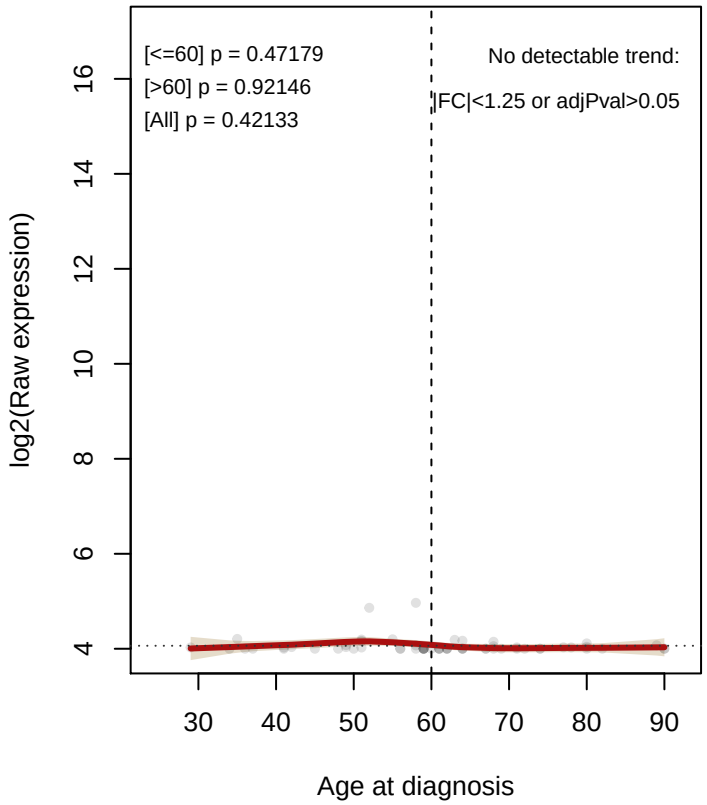
HIF3A (non−ER binding)



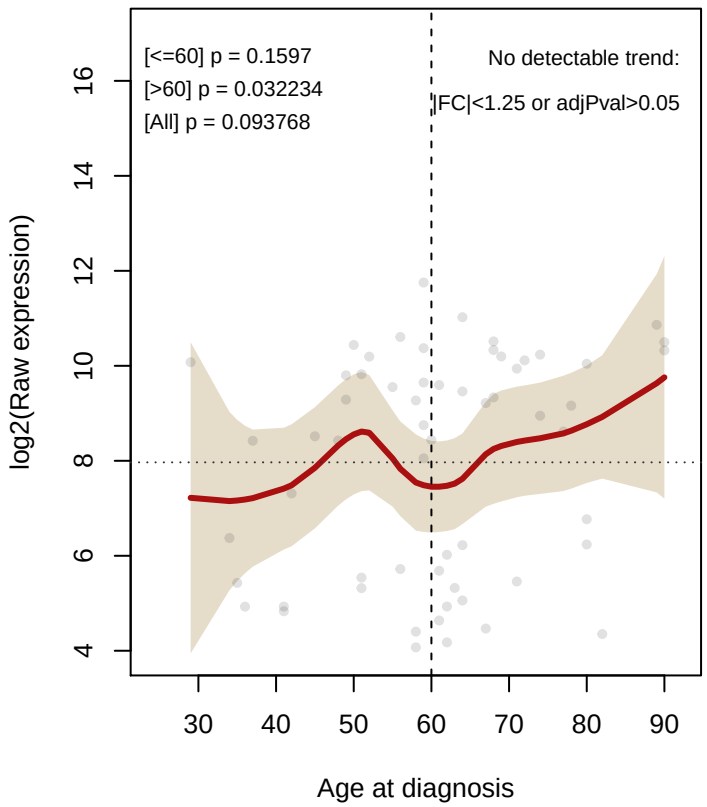
HNF1A (non−ER binding)



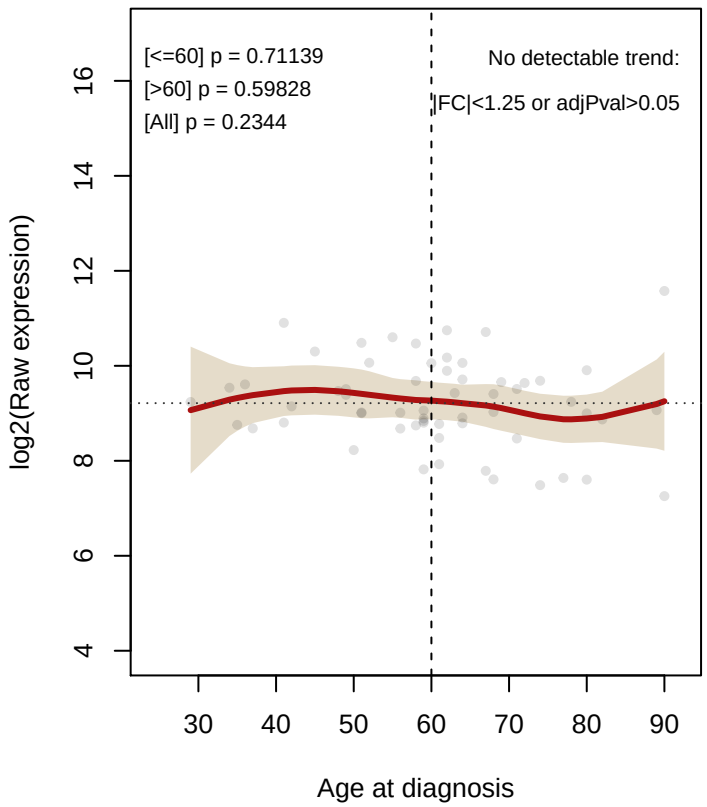
HNF1B (non−ER binding)

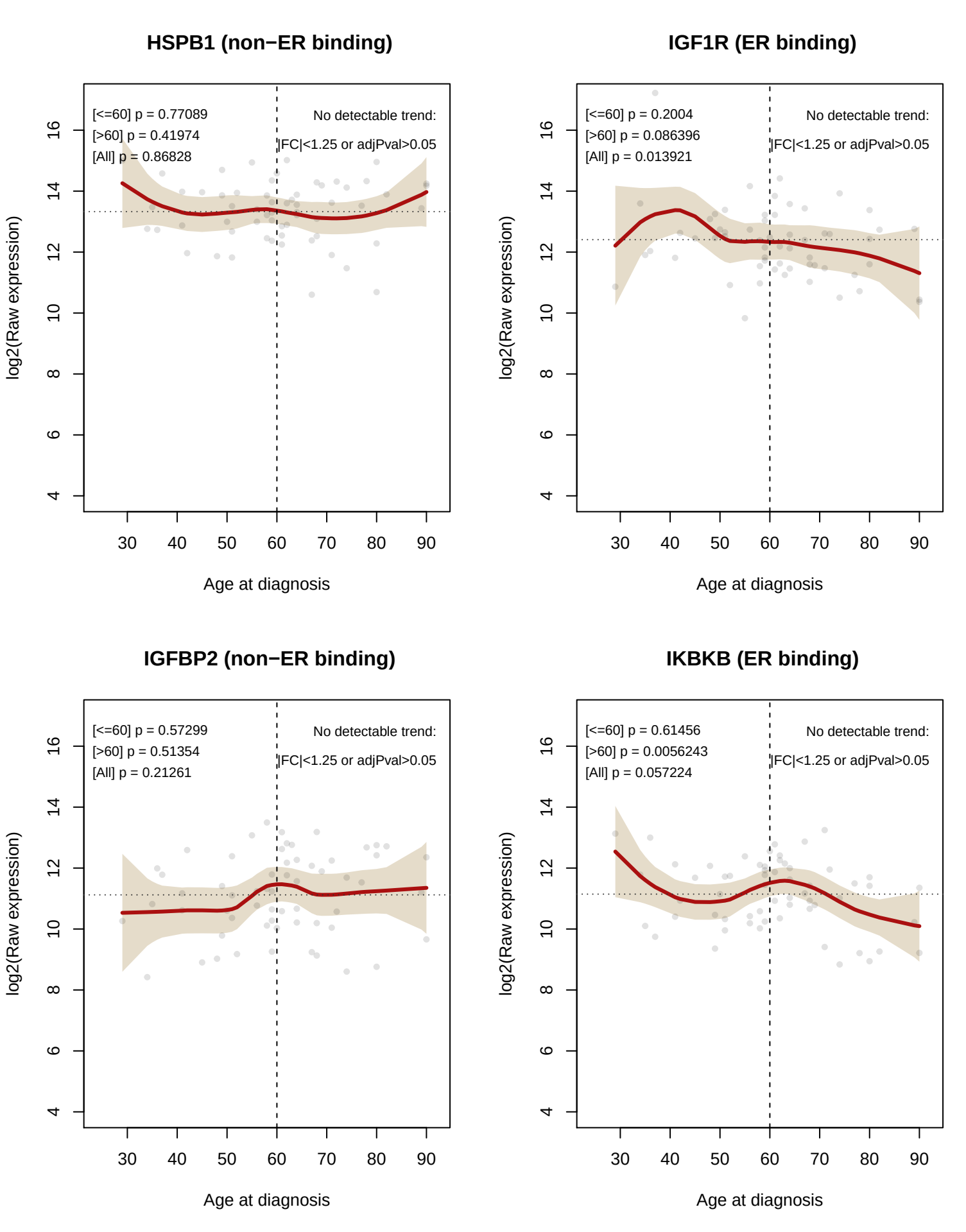


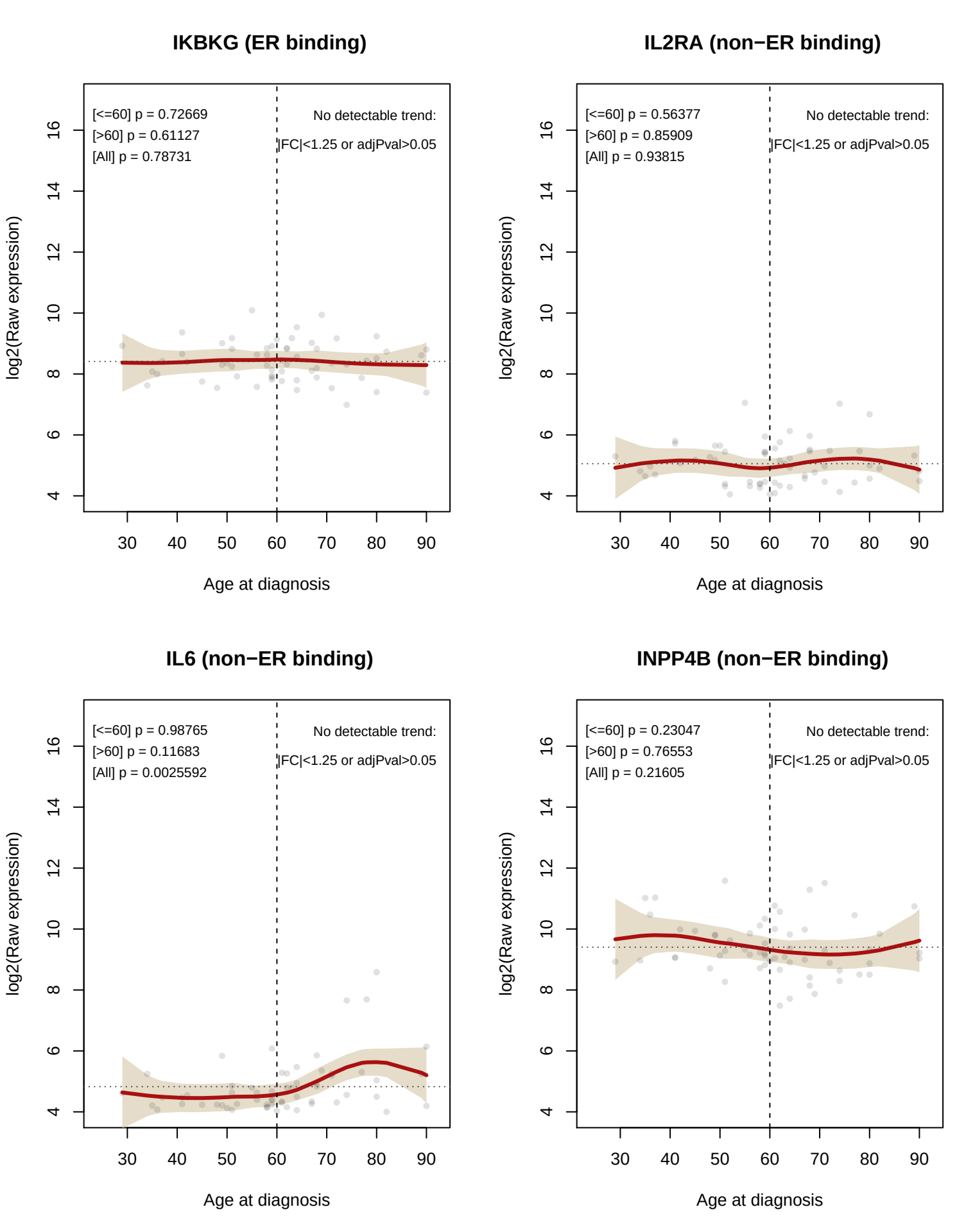
HOXC10 (non−ER binding)



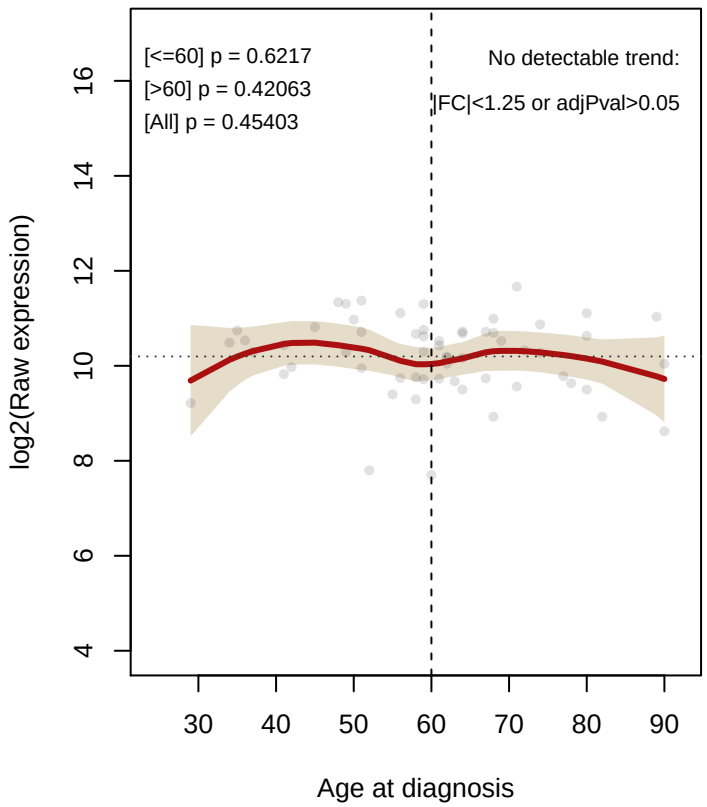
HRAS (non−ER binding)



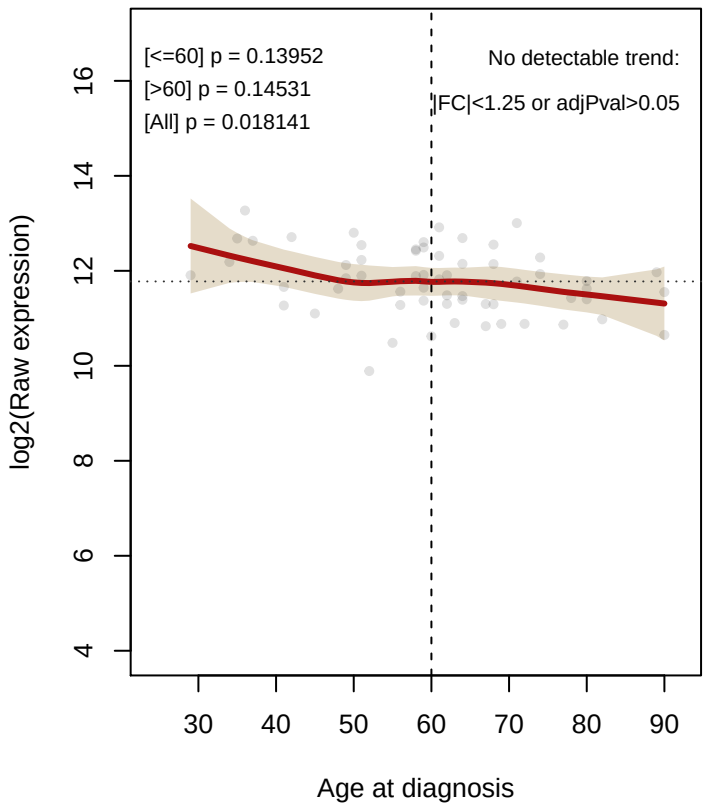

HSPB1 (non−ER binding)
[<=60] p = 0.77089
[>60] p = 0.41974
[All] p = 0.86828
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
IGF1R (ER binding)
[<=60] p = 0.2004
[>60] p = 0.086396
[All] p = 0.013921
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
IGFBP2 (non−ER binding)
[<=60] p = 0.57299
[>60] p = 0.51354
[All] p = 0.21261
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
IKBKB (ER binding)
[<=60] p = 0.61456
[>60] p = 0.0056243
[All] p = 0.057224
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis


IKBKG (ER binding)
[<=60] p = 0.72669
[>60] p = 0.61127
[All] p = 0.78731
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
IL2RA (non−ER binding)
[<=60] p = 0.56377
[>60] p = 0.85909
[All] p = 0.93815
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
IL6 (non−ER binding)
[<=60] p = 0.98765
[>60] p = 0.11683
[All] p = 0.0025592
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
INPP4B (non−ER binding)
[<=60] p = 0.23047
[>60] p = 0.76553
[All] p = 0.21605
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

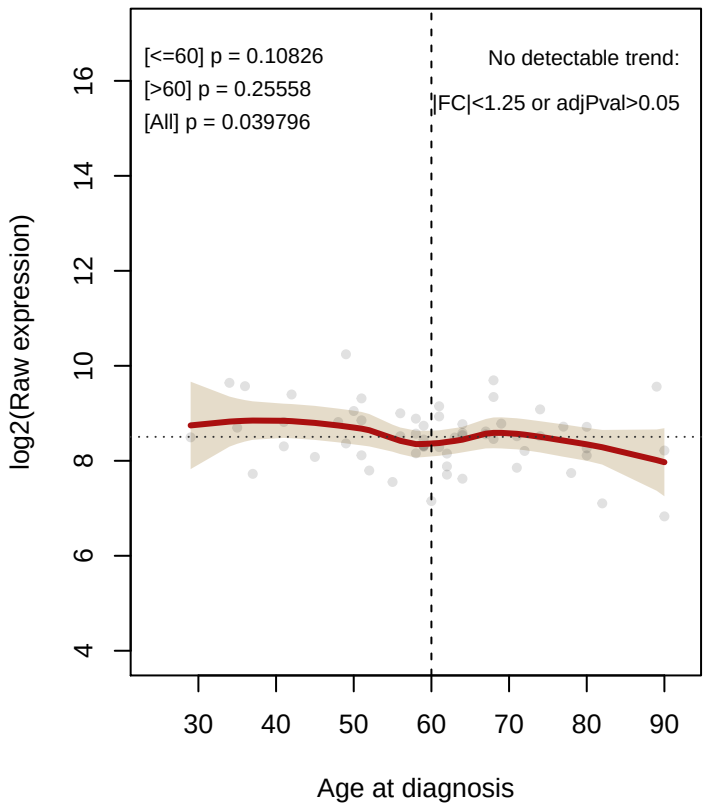
JAG1 (ER binding)



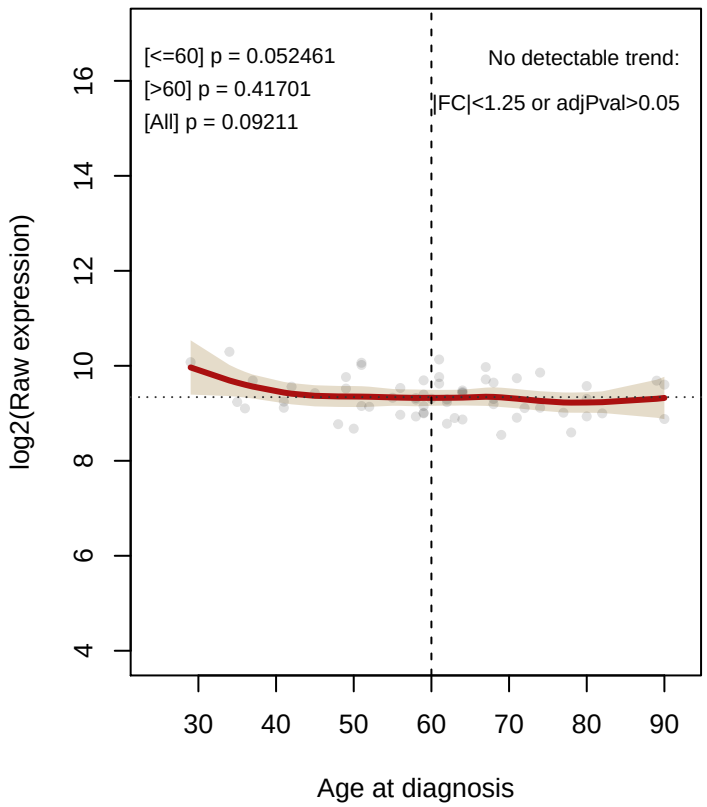
JAK1 (ER binding)

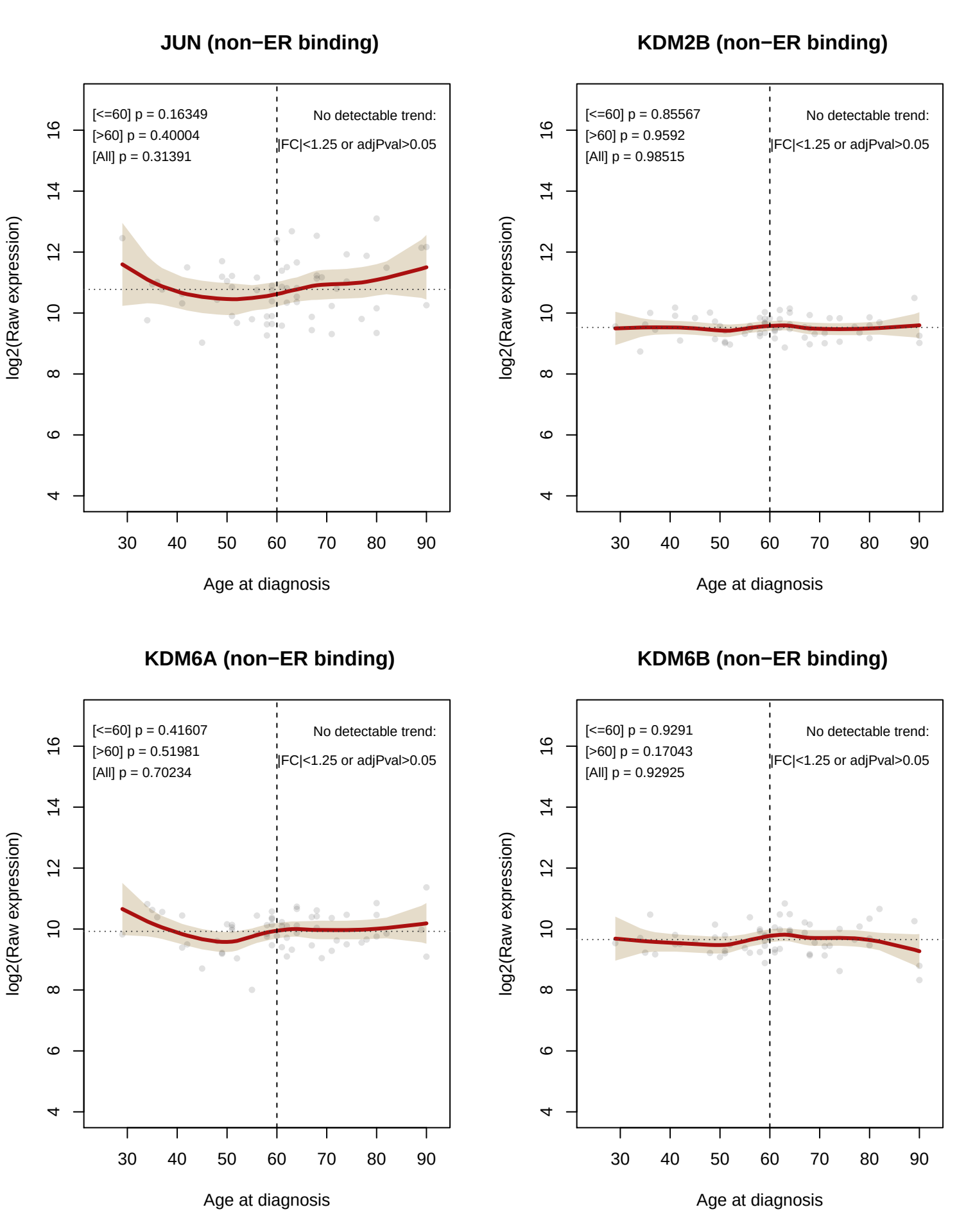


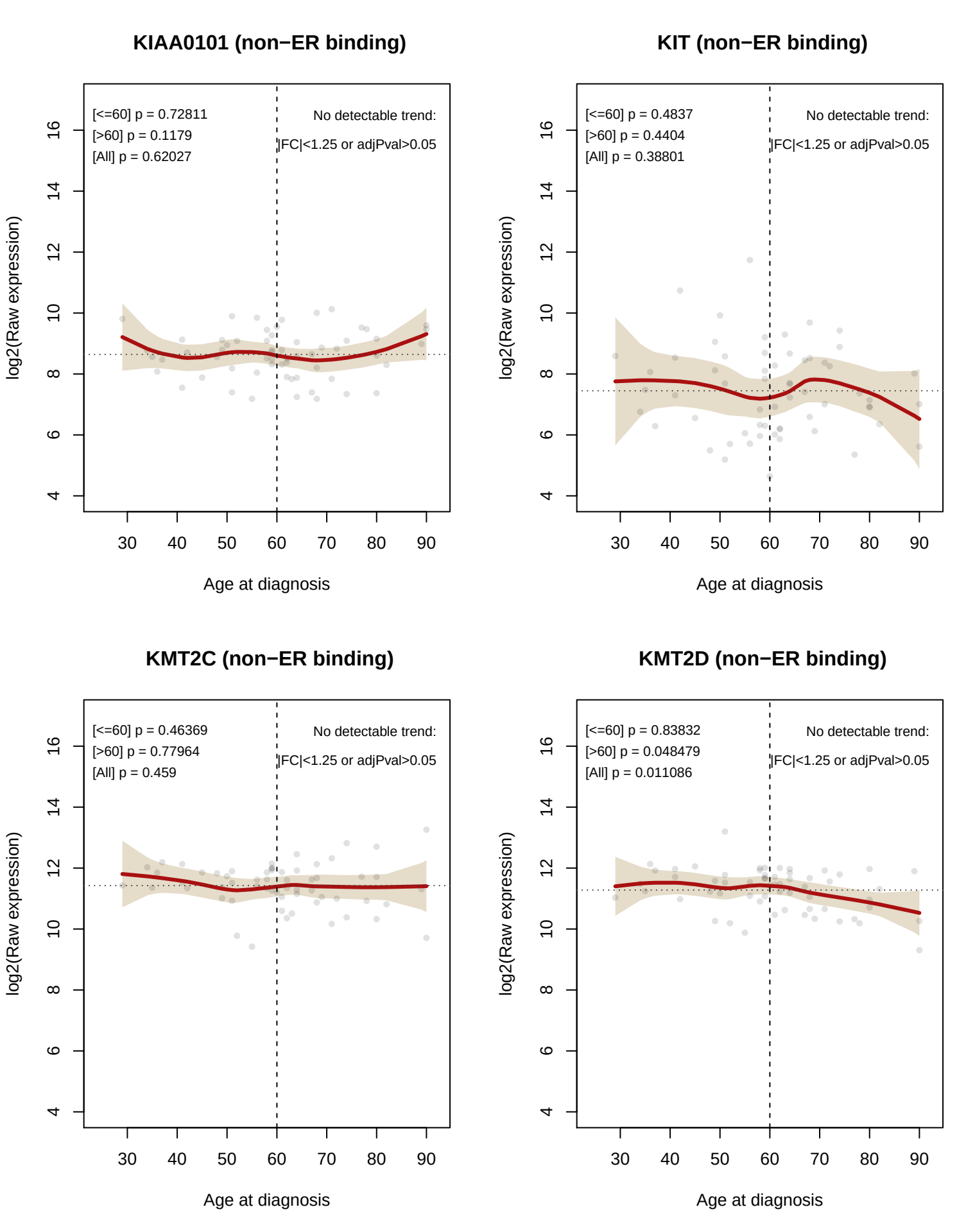
JAK2 (non−ER binding)

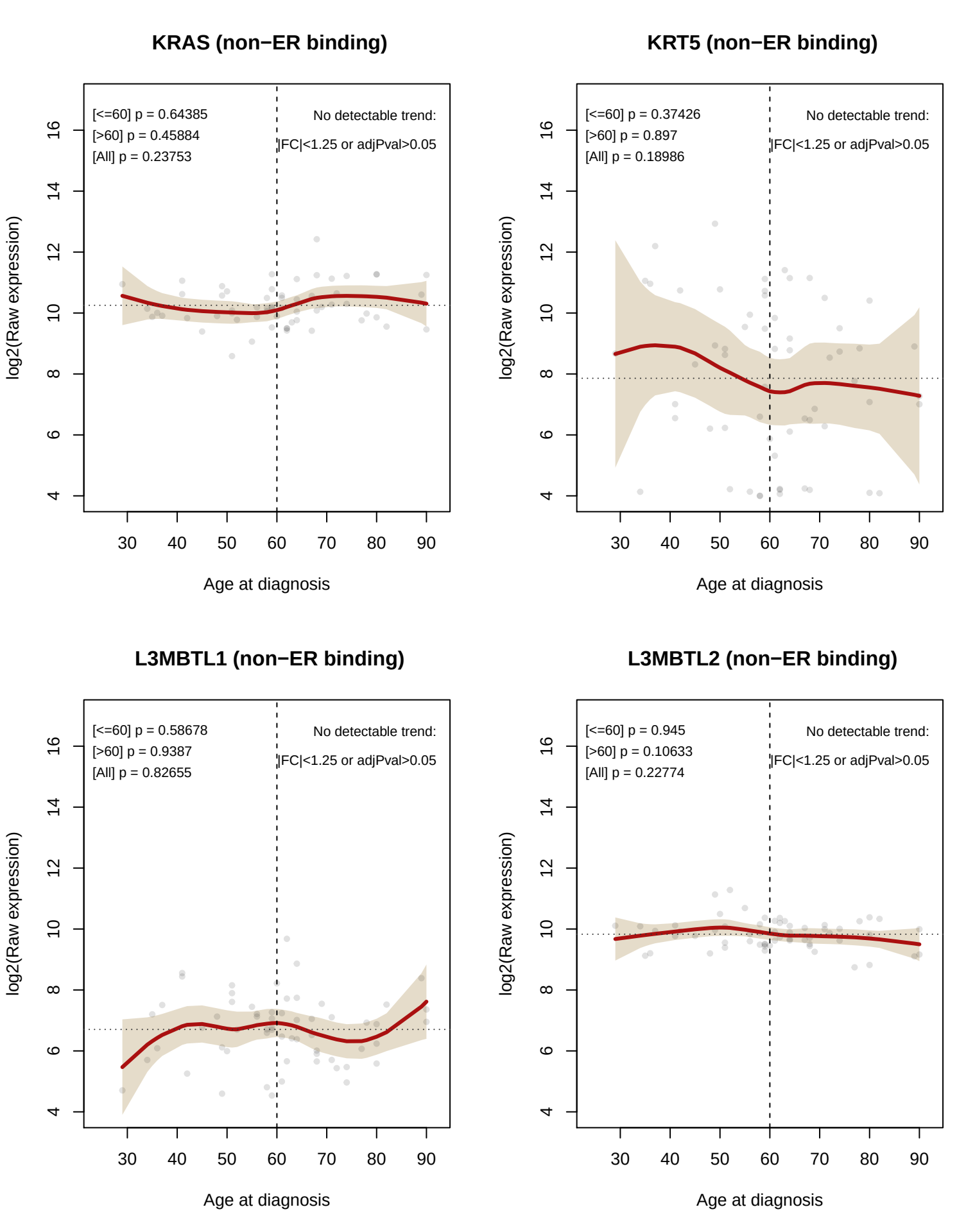


JARID2 (ER binding)

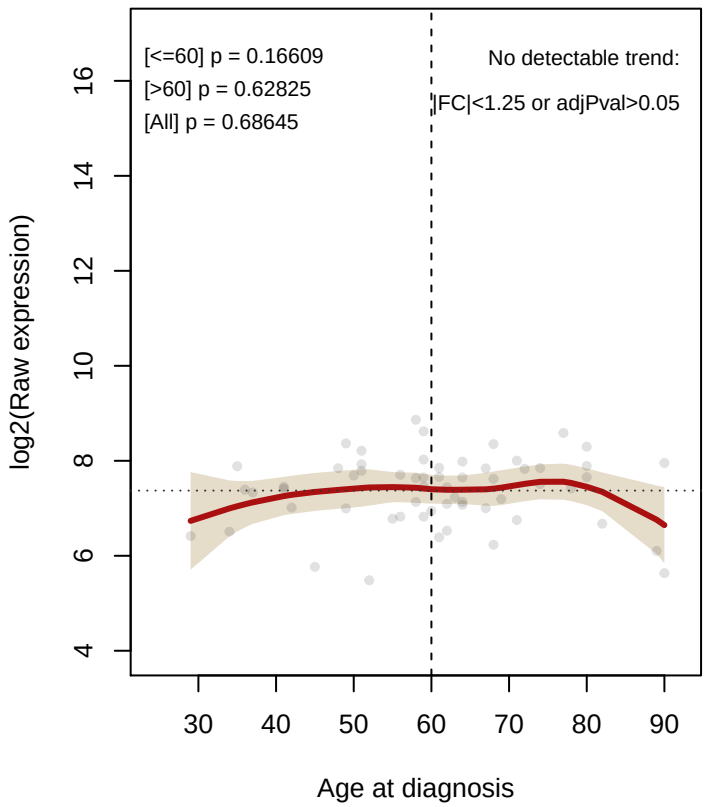



JUN (non−ER binding)
[<=60] p = 0.16349
[>60] p = 0.40004
[All] p = 0.31391
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
KDM2B (non−ER binding)
[<=60] p = 0.85567
[>60] p = 0.9592
[All] p = 0.98515
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
KDM6A (non−ER binding)
[<=60] p = 0.41607
[>60] p = 0.51981
[All] p = 0.70234
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
KDM6B (non−ER binding)
[<=60] p = 0.9291
[>60] p = 0.17043
[All] p = 0.92925
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

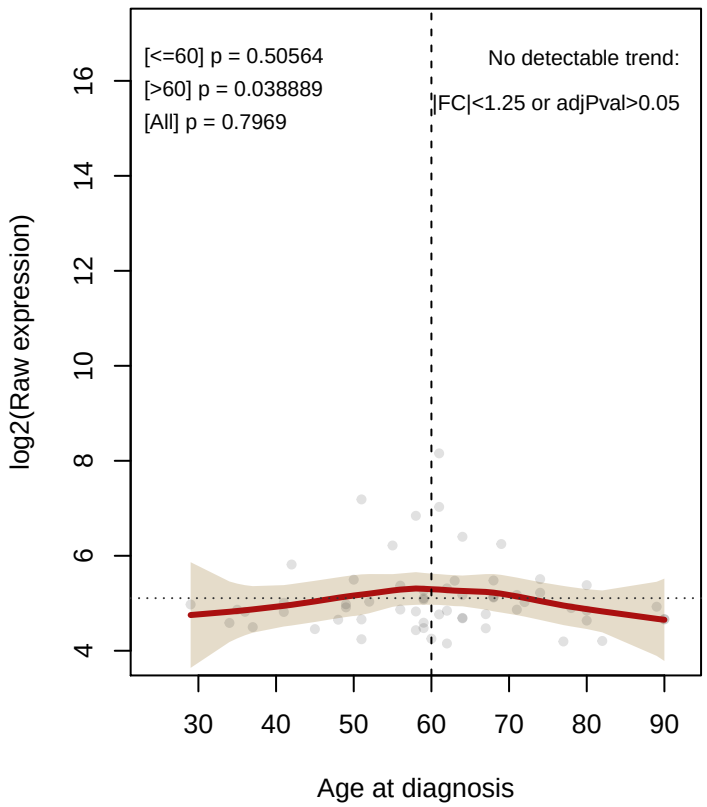

KIAA0101 (non−ER binding)
[<=60] p = 0.72811
[>60] p = 0.1179
[All] p = 0.62027
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
KIT (non−ER binding)
[<=60] p = 0.4837
[>60] p = 0.4404
[All] p = 0.38801
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
KMT2C (non−ER binding)
[<=60] p = 0.46369
[>60] p = 0.77964
[All] p = 0.459
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
KMT2D (non−ER binding)
[<=60] p = 0.83832
[>60] p = 0.048479
[All] p = 0.011086
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis


KRAS (non−ER binding)
[<=60] p = 0.64385
[>60] p = 0.45884
[All] p = 0.23753
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
KRT5 (non−ER binding)
[<=60] p = 0.37426
[>60] p = 0.897
[All] p = 0.18986
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
L3MBTL1 (non−ER binding)
[<=60] p = 0.58678
[>60] p = 0.9387
[All] p = 0.82655
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
L3MBTL2 (non−ER binding)
[<=60] p = 0.945
[>60] p = 0.10633
[All] p = 0.22774
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

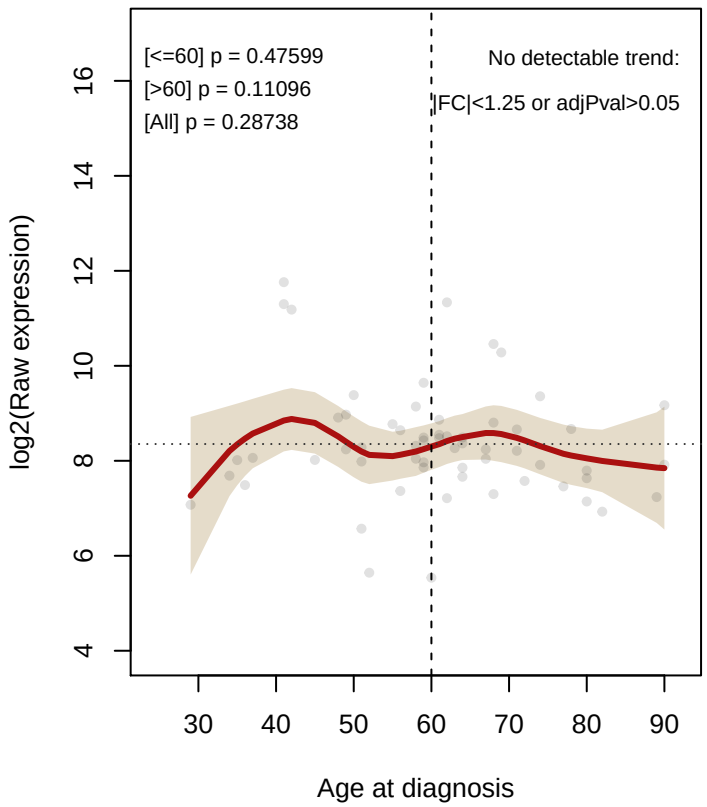
L3MBTL3 (ER binding)



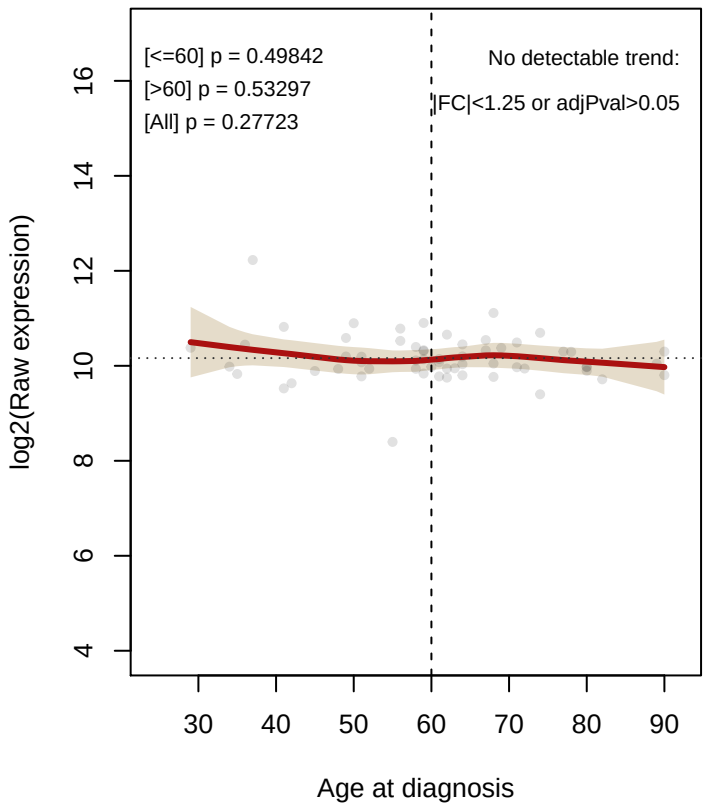
L3MBTL4 (non−ER binding)

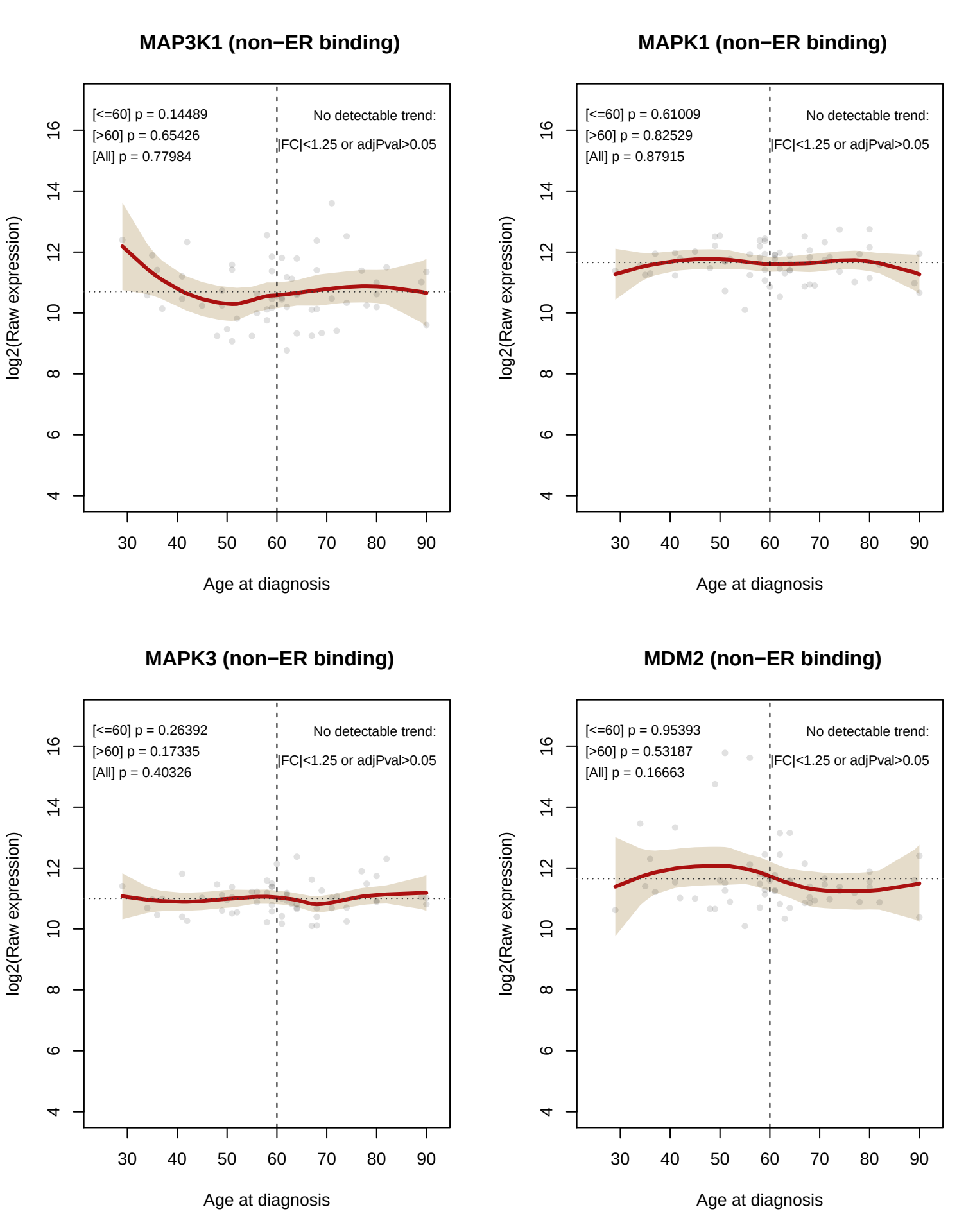


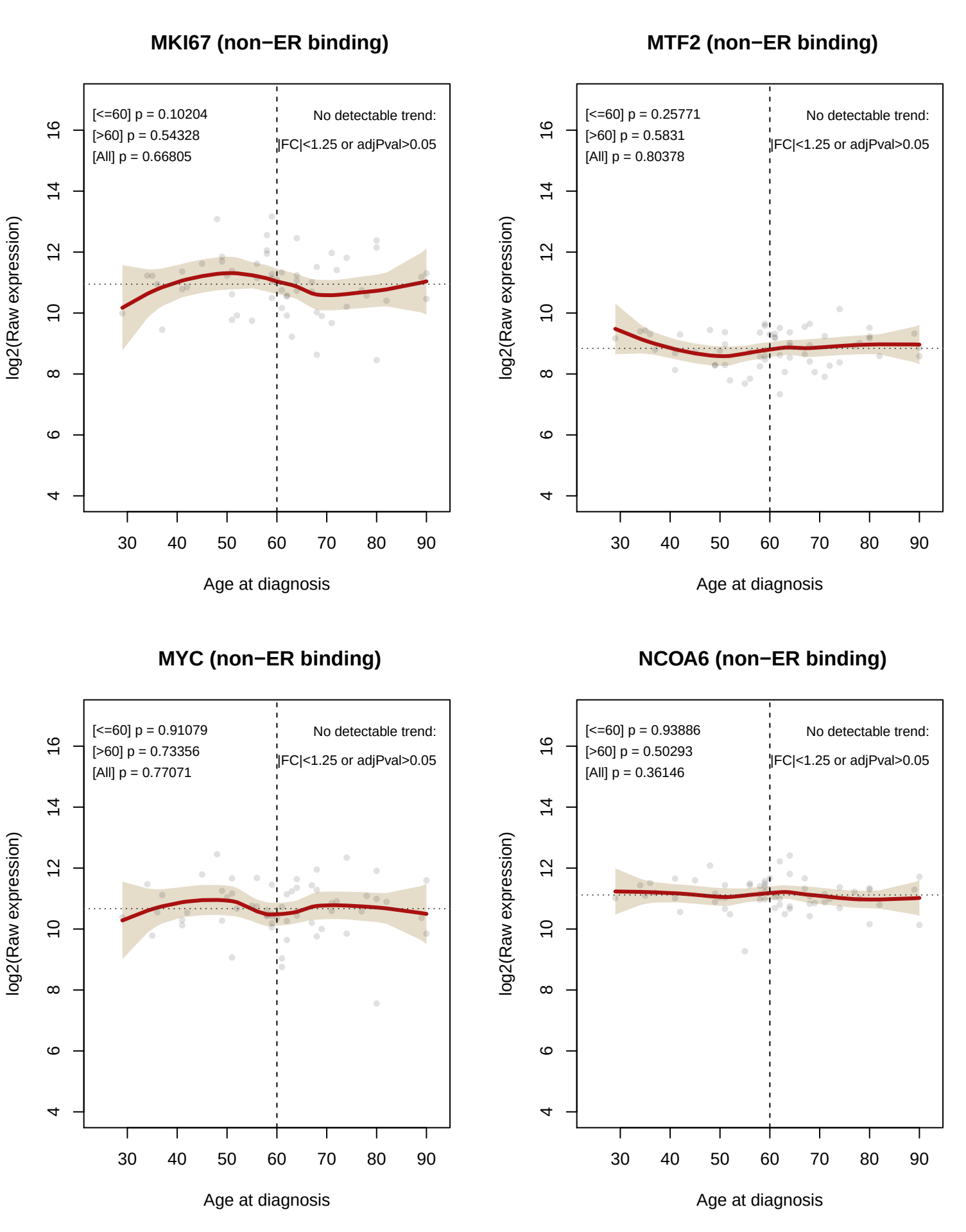
LEF1 (non−ER binding)

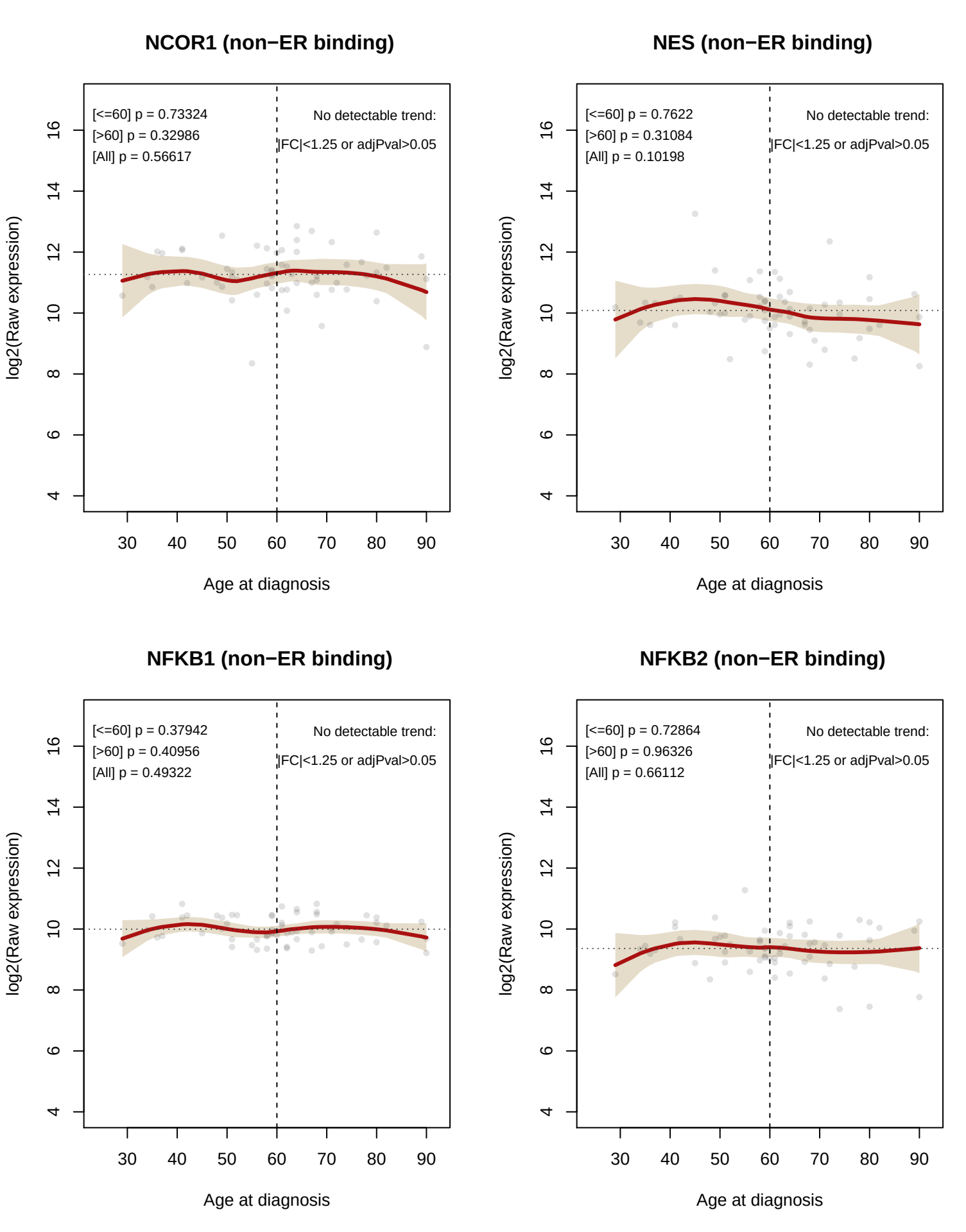


MAP2K1 (non−ER binding)

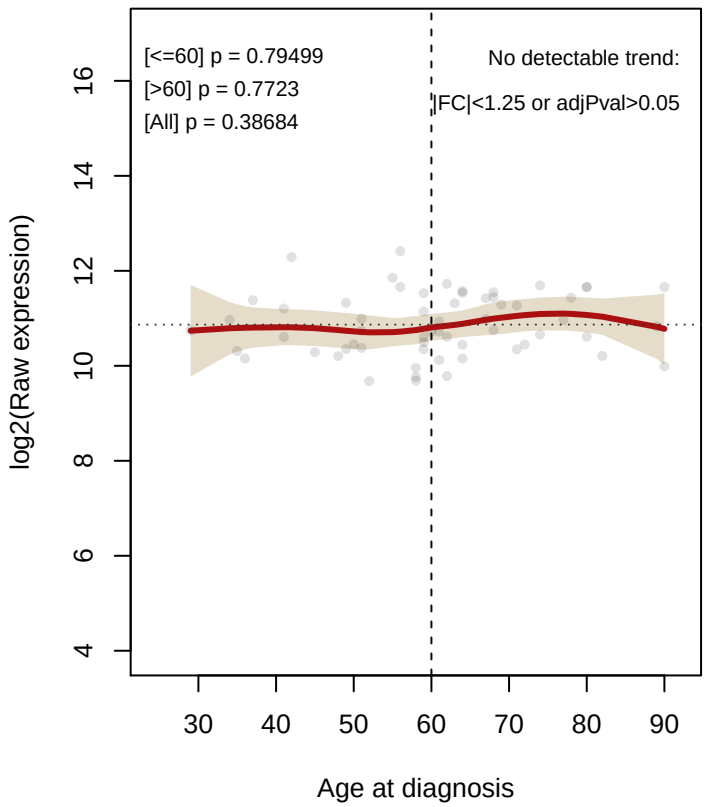



MAP3K1 (non−ER binding)
[<=60] p = 0.14489
[>60] p = 0.65426
[All] p = 0.77984
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
MAPK1 (non−ER binding)
[<=60] p = 0.61009
[>60] p = 0.82529
[All] p = 0.87915
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
MAPK3 (non−ER binding)
[<=60] p = 0.26392
[>60] p = 0.17335
[All] p = 0.40326
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
MDM2 (non−ER binding)
[<=60] p = 0.95393
[>60] p = 0.53187
[All] p = 0.16663
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

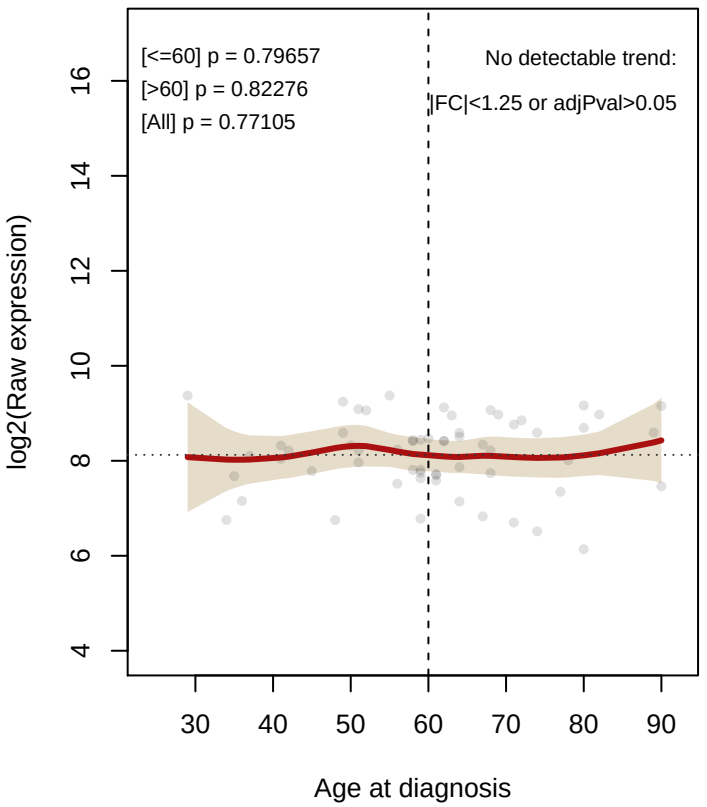

MKI67 (non−ER binding)
[<=60] p = 0.10204
[>60] p = 0.54328
[All] p = 0.66805
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
MTF2 (non−ER binding)
[<=60] p = 0.25771
[>60] p = 0.5831
[All] p = 0.80378
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
MYC (non−ER binding)
[<=60] p = 0.91079
[>60] p = 0.73356
[All] p = 0.77071
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
NCOA6 (non−ER binding)
[<=60] p = 0.93886
[>60] p = 0.50293
[All] p = 0.36146
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis


NCOR1 (non−ER binding)
[<=60] p = 0.73324
[>60] p = 0.32986
[All] p = 0.56617
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
NES (non−ER binding)
[<=60] p = 0.7622
[>60] p = 0.31084
[All] p = 0.10198
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
NFKB1 (non−ER binding)
[<=60] p = 0.37942
[>60] p = 0.40956
[All] p = 0.49322
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
NFKB2 (non−ER binding)
[<=60] p = 0.72864
[>60] p = 0.96326
[All] p = 0.66112
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

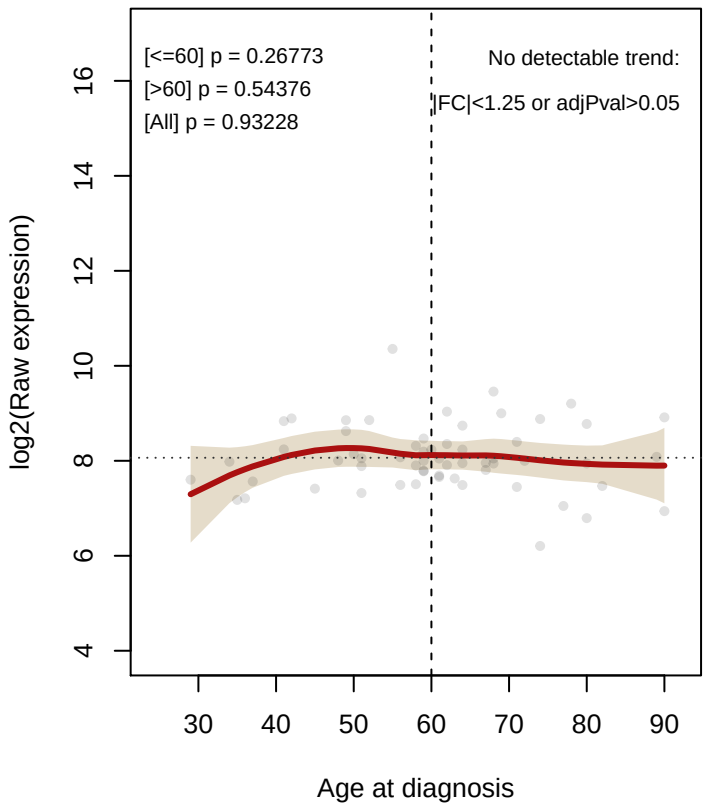
NFKBIA (non−ER binding)



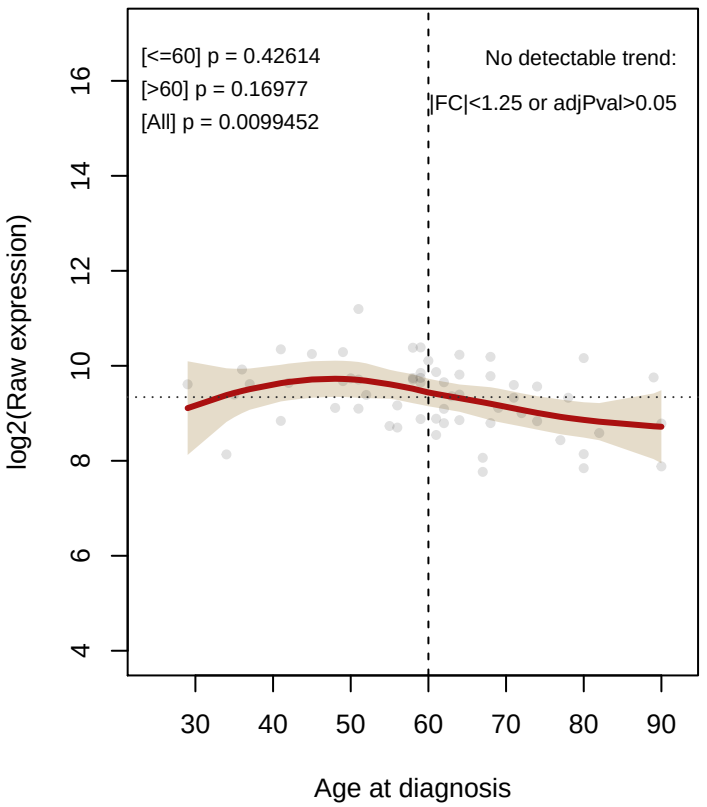
NFKBIB (non−ER binding)

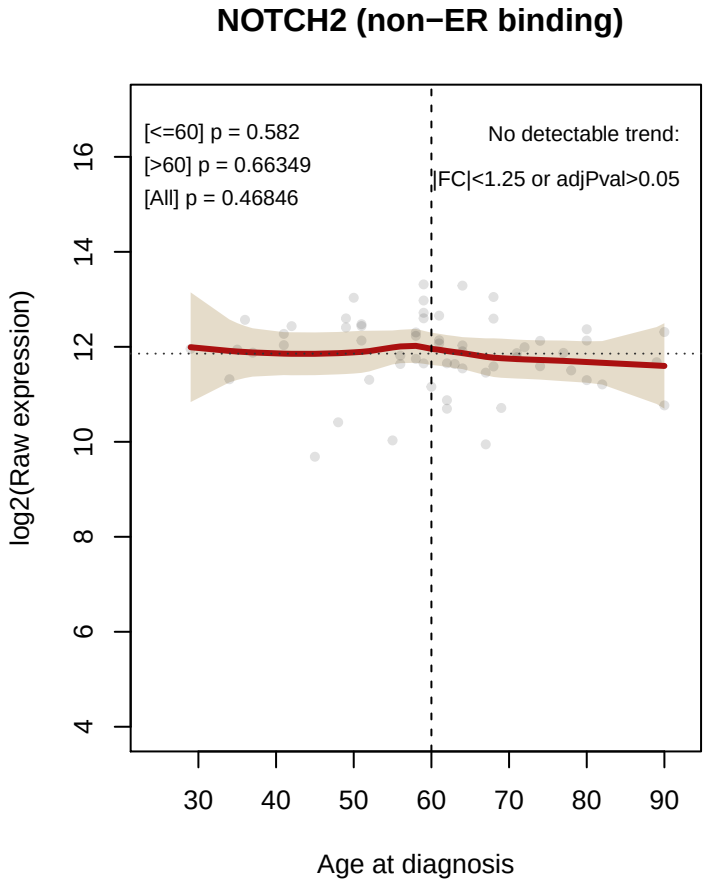


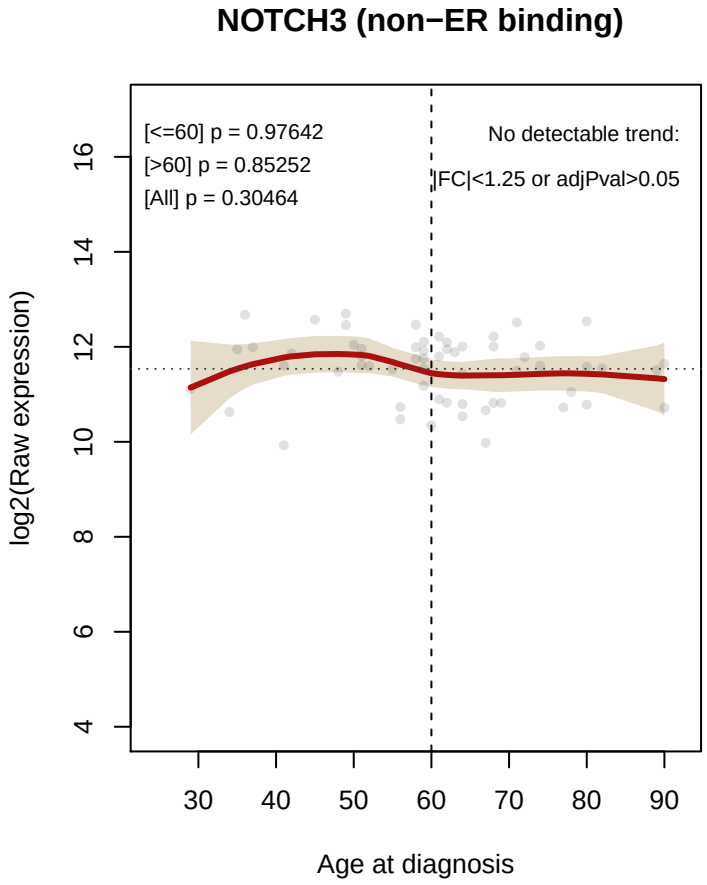
NFKBIE (non−ER binding)

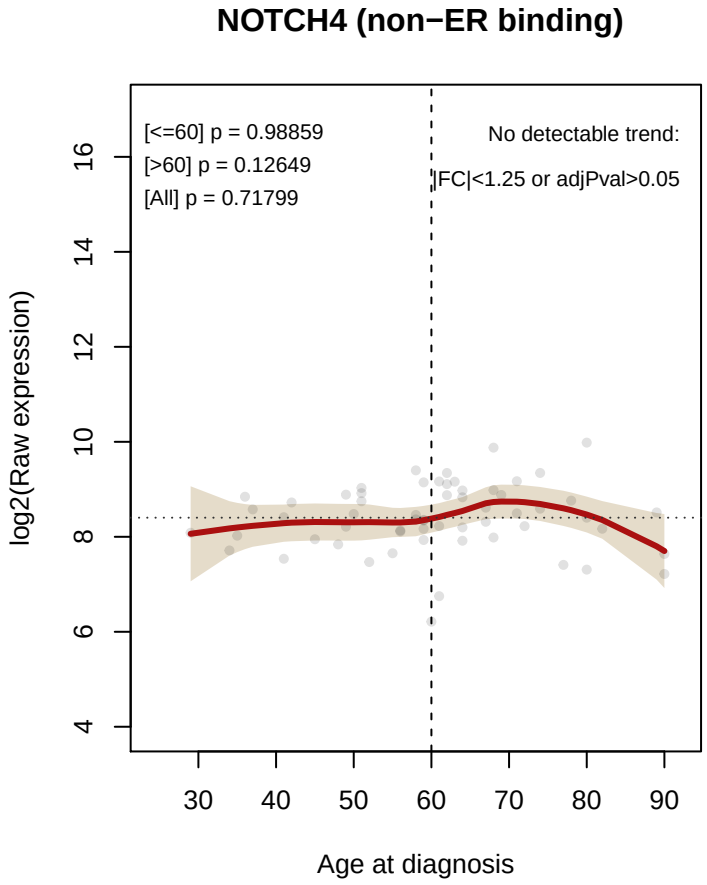


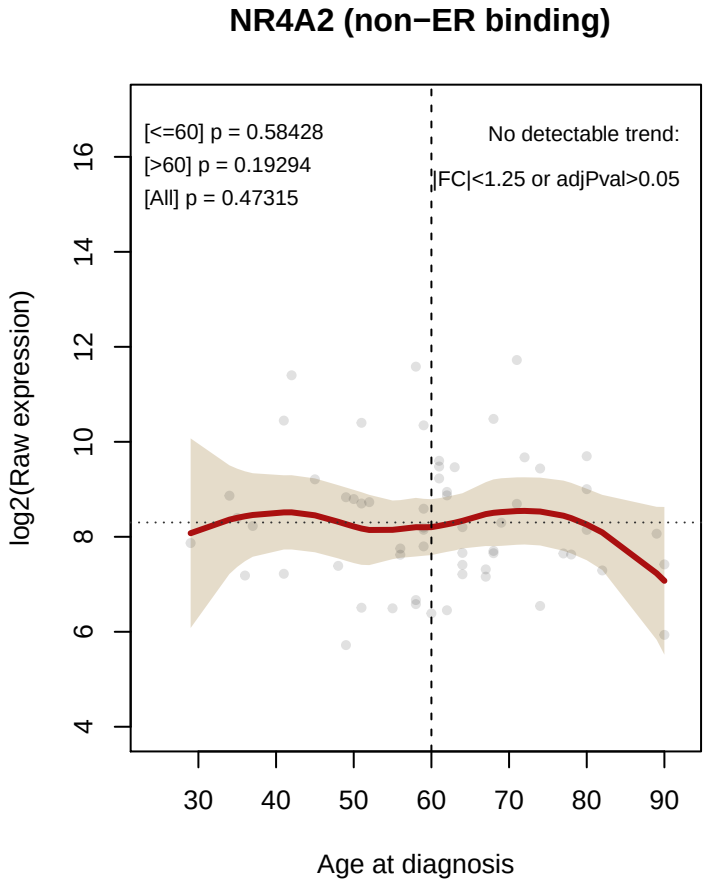
NOTCH1 (non−ER binding)

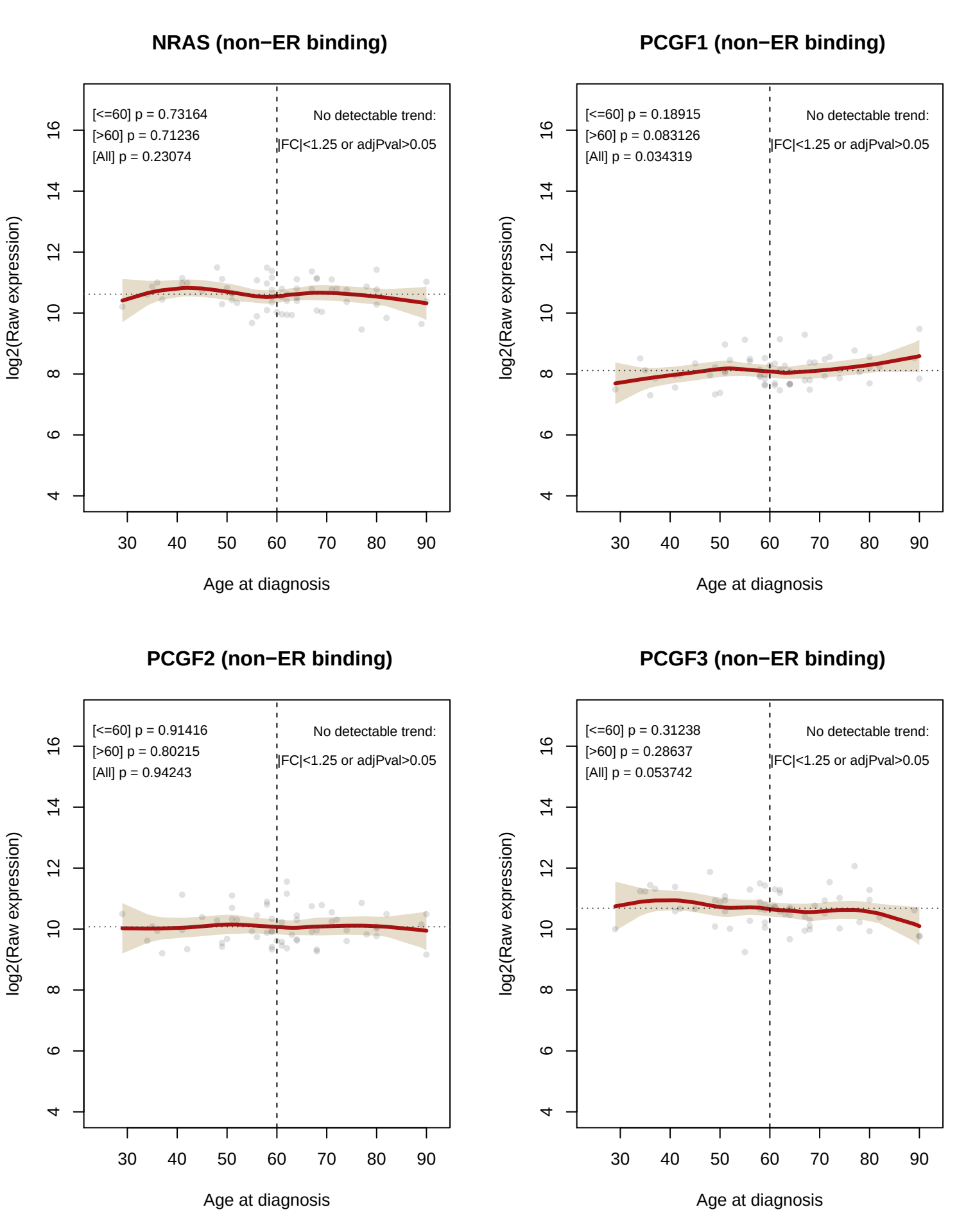


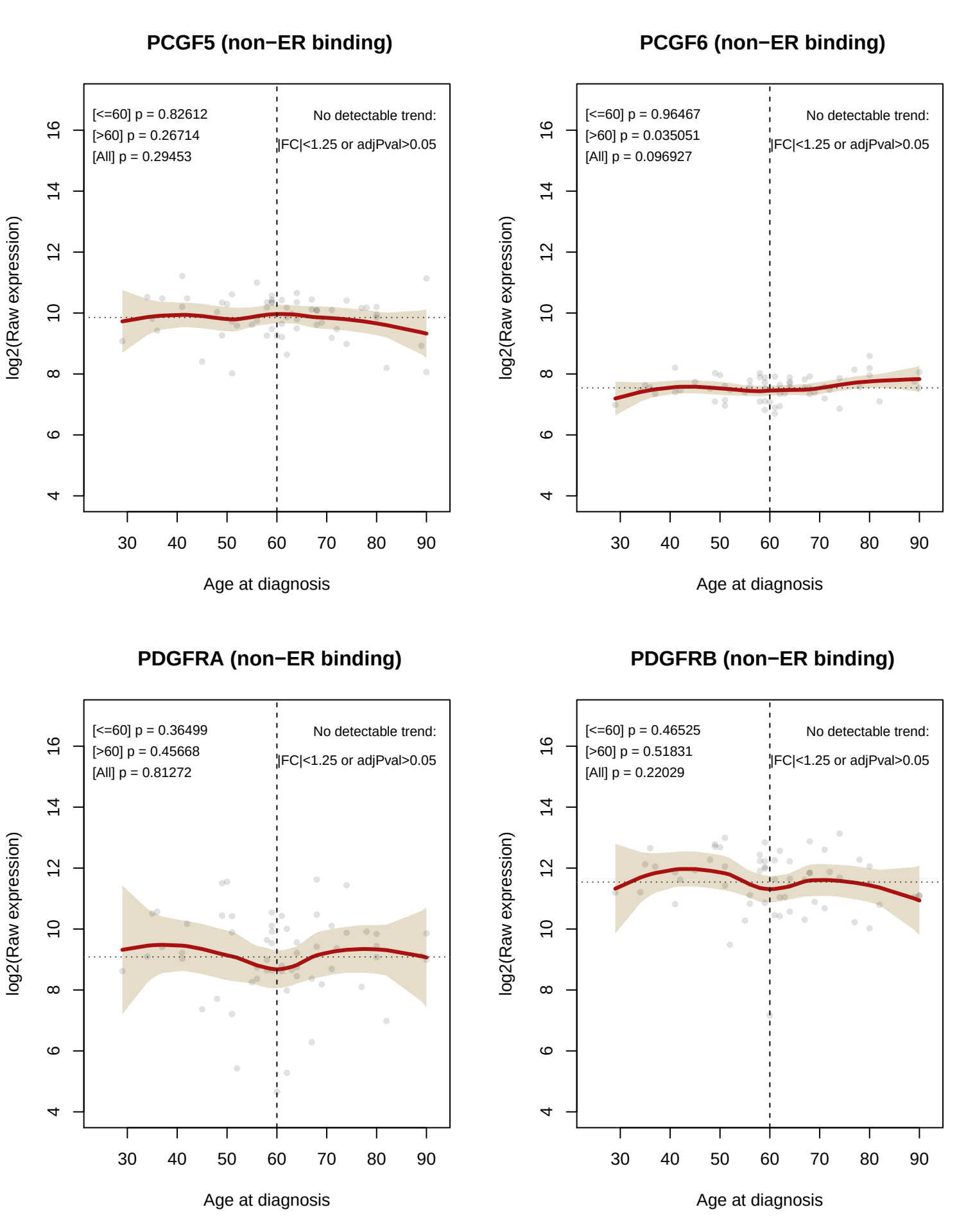

NOTCH2 (non−ER binding)
[<=60] p = 0.582
[>60] p = 0.66349
[All] p = 0.46846
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

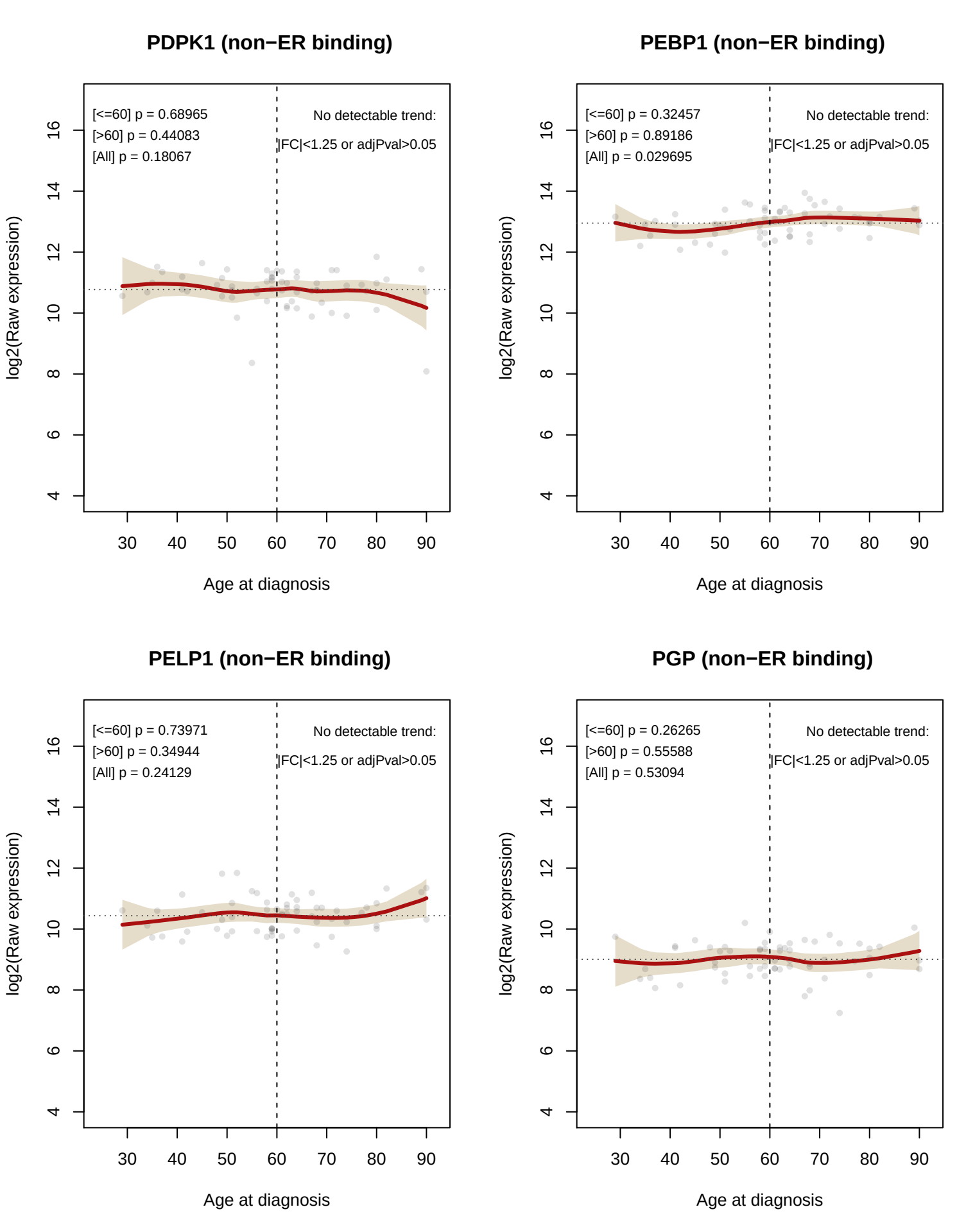

NOTCH3 (non−ER binding)
[<=60] p = 0.97642
[>60] p = 0.85252
[All] p = 0.30464
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

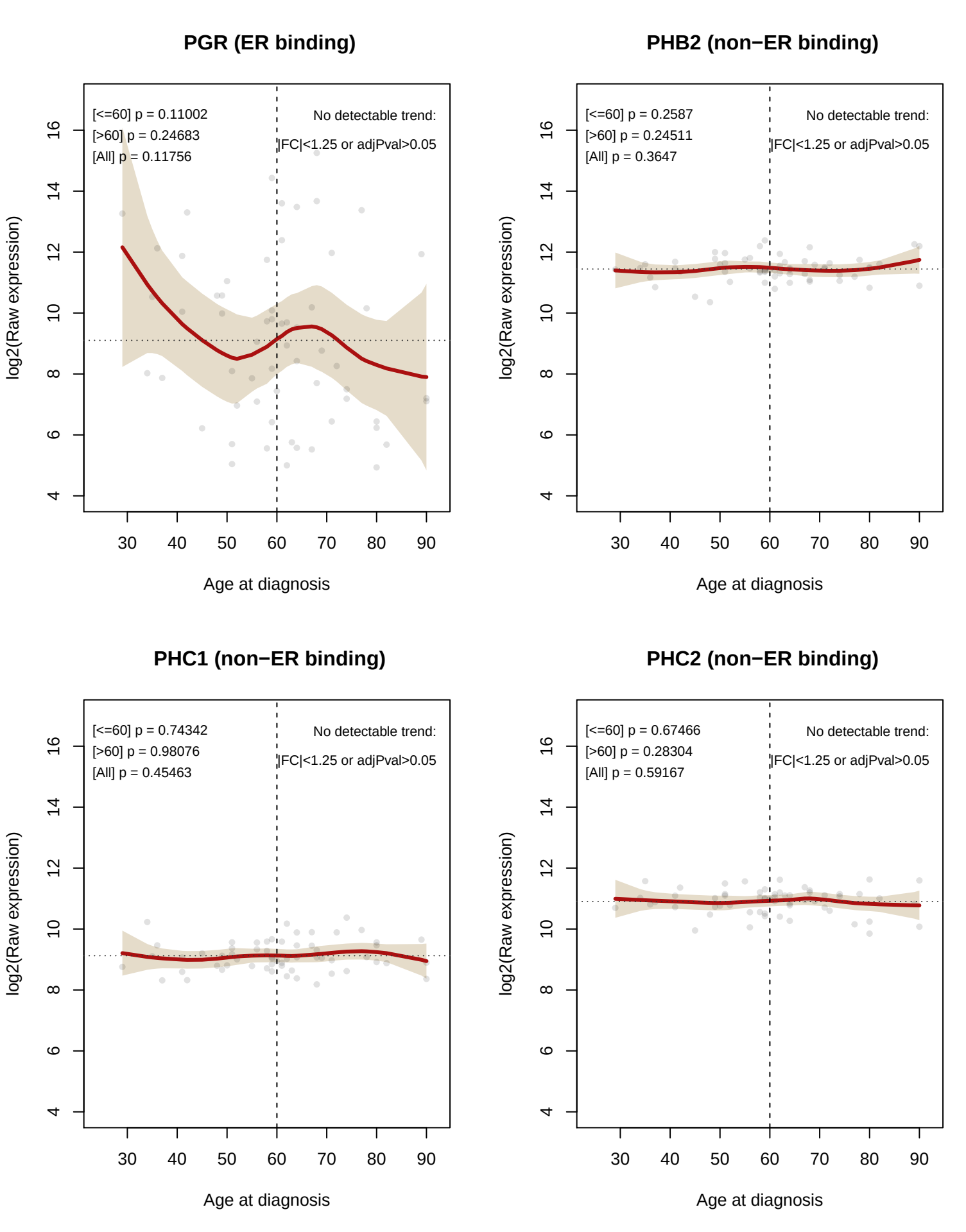

NOTCH4 (non−ER binding)
[<=60] p = 0.98859
[>60] p = 0.12649
[All] p = 0.71799
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

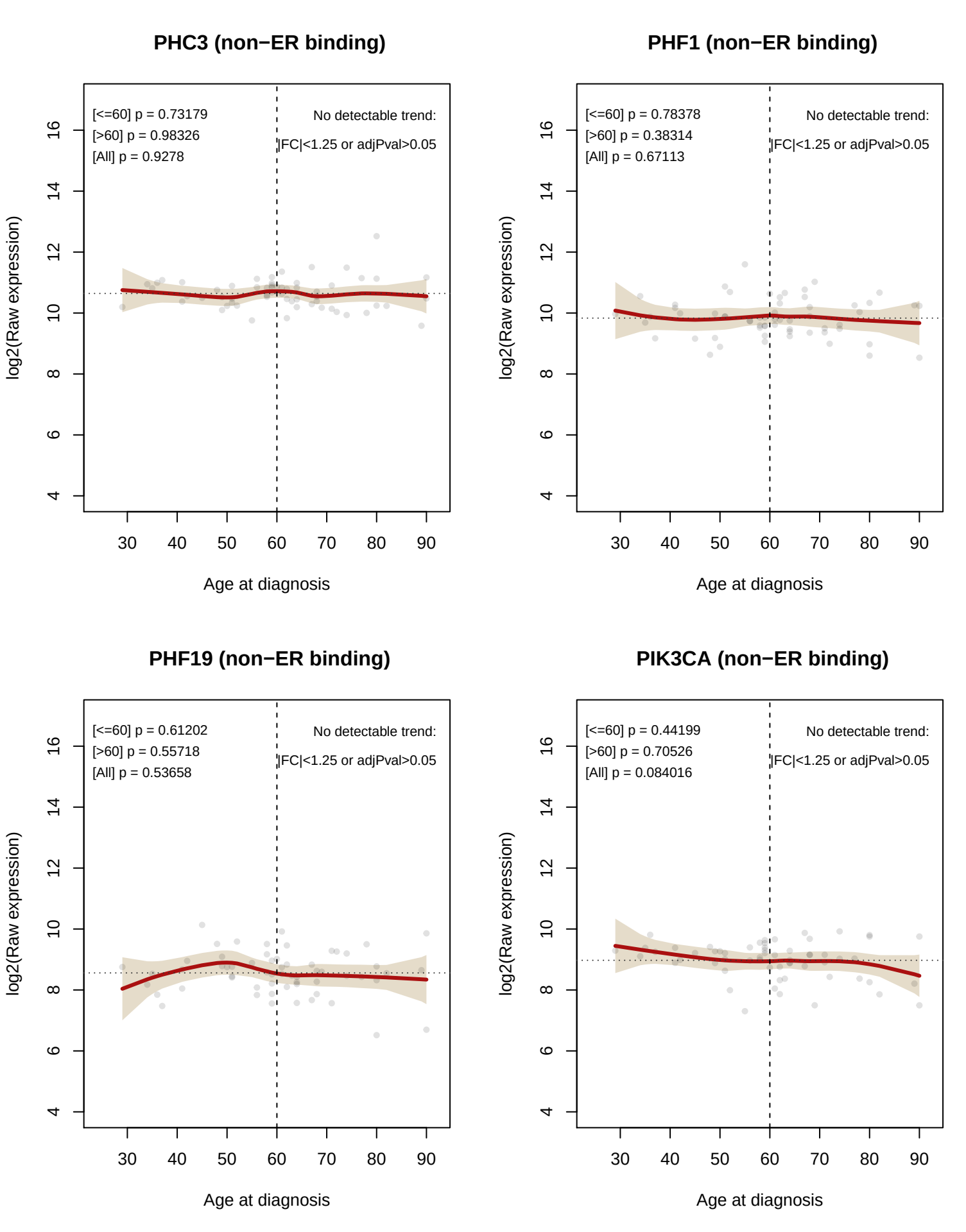

NR4A2 (non−ER binding)
[<=60] p = 0.58428
[>60] p = 0.19294
[All] p = 0.47315
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

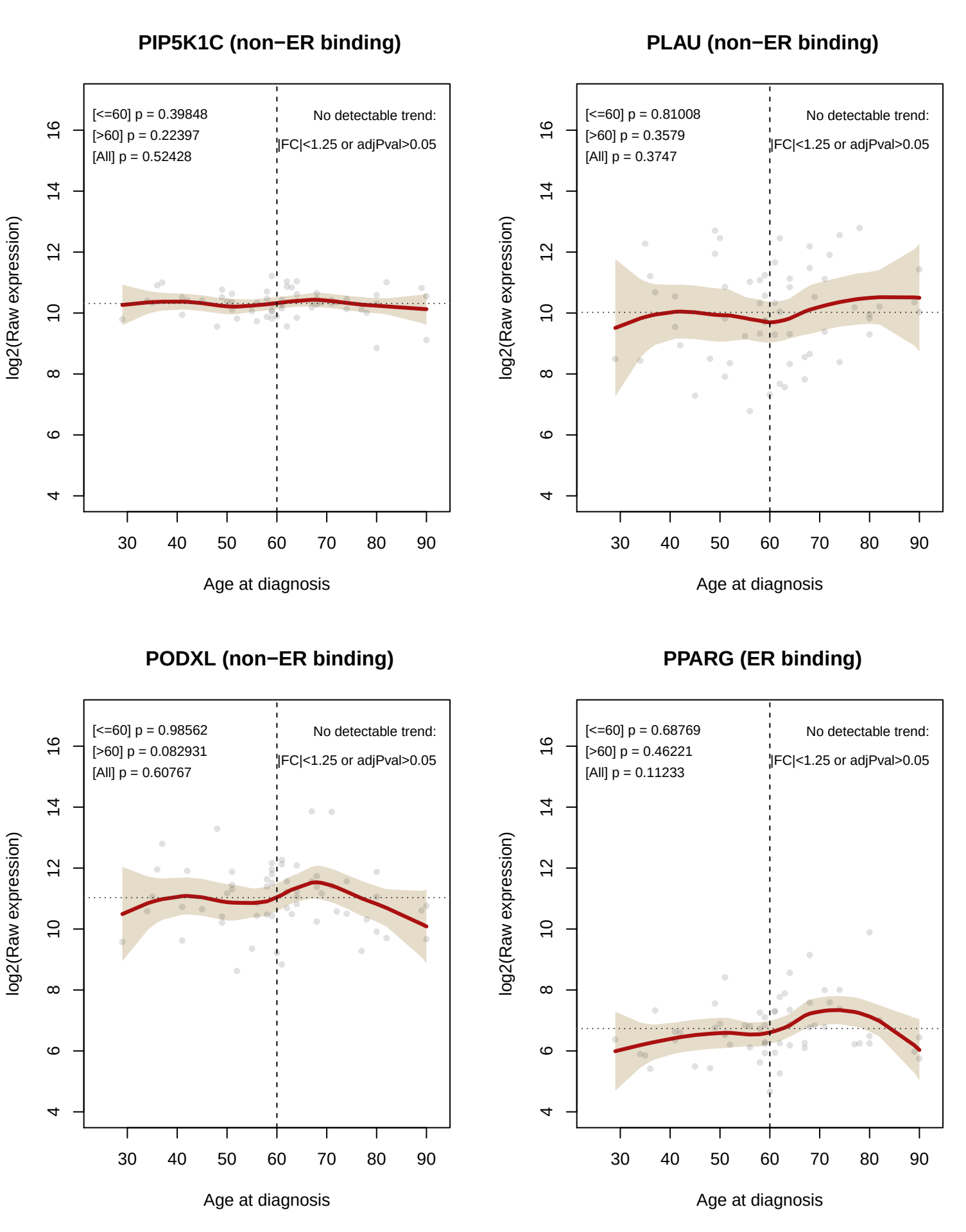

NRAS (non−ER binding)
[<=60] p = 0.73164
[>60] p = 0.71236
[All] p = 0.23074
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
PCGF1 (non−ER binding)
[<=60] p = 0.18915
[>60] p = 0.083126
[All] p = 0.034319
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
PCGF2 (non−ER binding)
[<=60] p = 0.91416
[>60] p = 0.80215
[All] p = 0.94243
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
PCGF3 (non−ER binding)
[<=60] p = 0.31238
[>60] p = 0.28637
[All] p = 0.053742
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

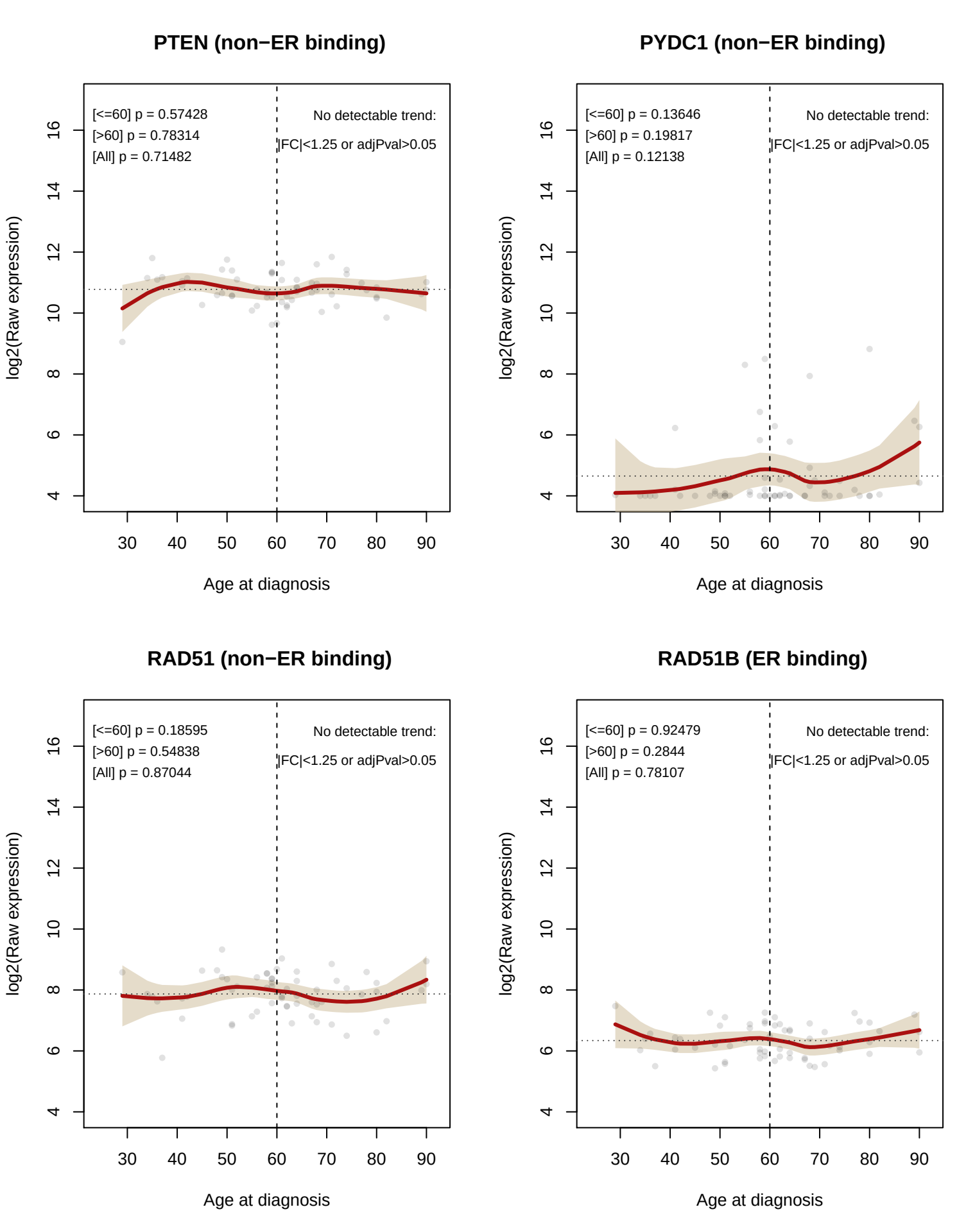

PCGF5 (non−ER binding)
[<=60] p = 0.82612
[>60] p = 0.26714
[All] p = 0.29453
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
PCGF6 (non−ER binding)
[<=60] p = 0.96467
[>60] p = 0.035051
[All] p = 0.096927
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
PDGFRA (non−ER binding)
[<=60] p = 0.36499
[>60] p = 0.45668
[All] p = 0.81272
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
PDGFRB (non−ER binding)
[<=60] p = 0.46525
[>60] p = 0.51831
[All] p = 0.22029
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis


PDPK1 (non−ER binding)
[<=60] p = 0.68965
[>60] p = 0.44083
[All] p = 0.18067
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
PEBP1 (non−ER binding)
[<=60] p = 0.32457
[>60] p = 0.89186
[All] p = 0.029695
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
PELP1 (non−ER binding)
[<=60] p = 0.73971
[>60] p = 0.34944
[All] p = 0.24129
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
PGP (non−ER binding)
[<=60] p = 0.26265
[>60] p = 0.55588
[All] p = 0.53094
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

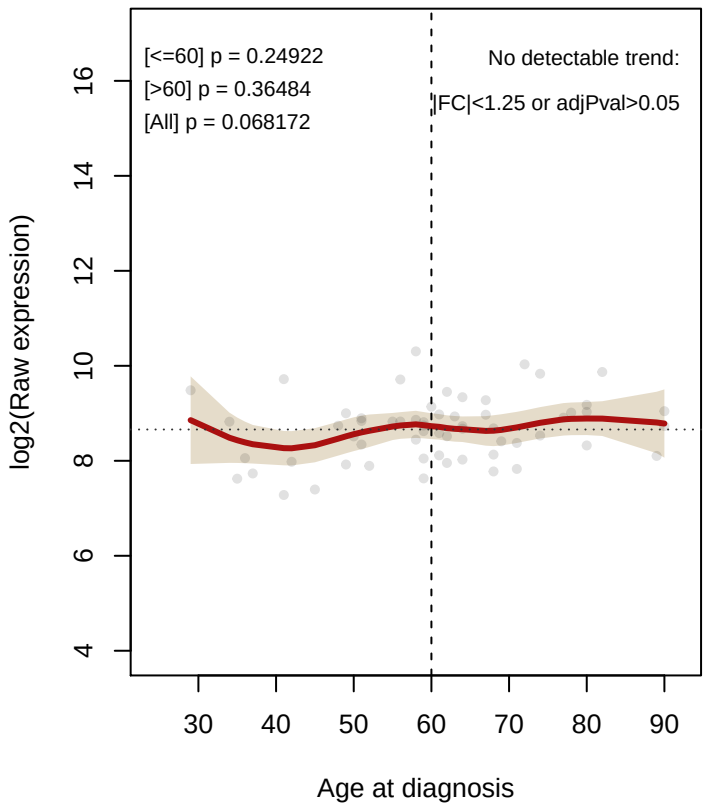

PGR (ER binding)
[<=60] p = 0.11002
[>60] p = 0.24683
[All] p = 0.11756
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
PHB2 (non−ER binding)
[<=60] p = 0.2587
[>60] p = 0.24511
[All] p = 0.3647
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
PHC1 (non−ER binding)
[<=60] p = 0.74342
[>60] p = 0.98076
[All] p = 0.45463
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
PHC2 (non−ER binding)
[<=60] p = 0.67466
[>60] p = 0.28304
[All] p = 0.59167
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis


PHC3 (non−ER binding)
[<=60] p = 0.73179
[>60] p = 0.98326
[All] p = 0.9278
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
PHF1 (non−ER binding)
[<=60] p = 0.78378
[>60] p = 0.38314
[All] p = 0.67113
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
PHF19 (non−ER binding)
[<=60] p = 0.61202
[>60] p = 0.55718
[All] p = 0.53658
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
PIK3CA (non−ER binding)
[<=60] p = 0.44199
[>60] p = 0.70526
[All] p = 0.084016
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

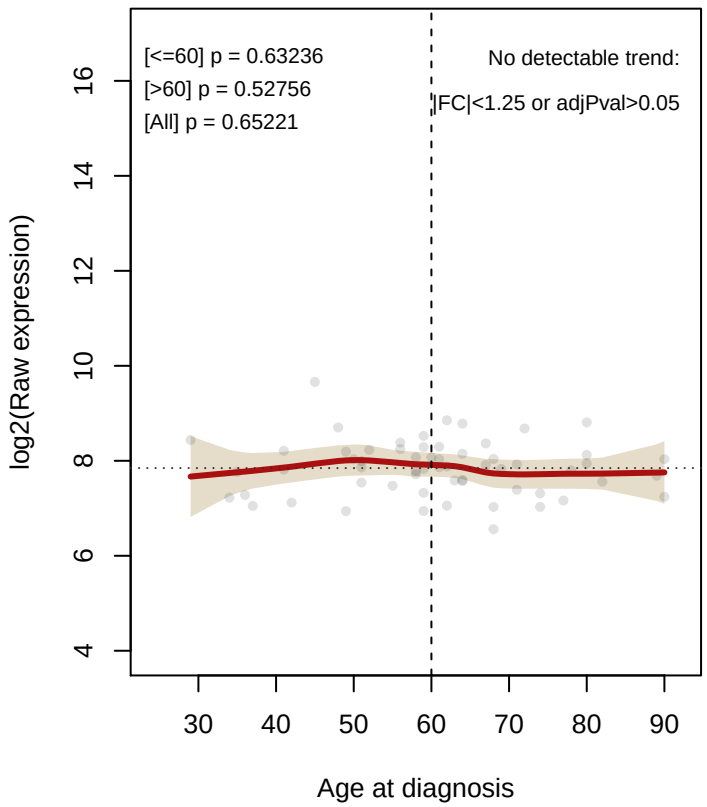

PIP5K1C (non−ER binding)
[<=60] p = 0.39848
[>60] p = 0.22397
[All] p = 0.52428
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
PLAU (non−ER binding)
[<=60] p = 0.81008
[>60] p = 0.3579
[All] p = 0.3747
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
PODXL (non−ER binding)
[<=60] p = 0.98562
[>60] p = 0.082931
[All] p = 0.60767
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
PPARG (ER binding)
[<=60] p = 0.68769
[>60] p = 0.46221
[All] p = 0.11233
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis


PTEN (non−ER binding)
[<=60] p = 0.57428
[>60] p = 0.78314
[All] p = 0.71482
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
PYDC1 (non−ER binding)
[<=60] p = 0.13646
[>60] p = 0.19817
[All] p = 0.12138
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
RAD51 (non−ER binding)
[<=60] p = 0.18595
[>60] p = 0.54838
[All] p = 0.87044
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
RAD51B (ER binding)
[<=60] p = 0.92479
[>60] p = 0.2844
[All] p = 0.78107
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

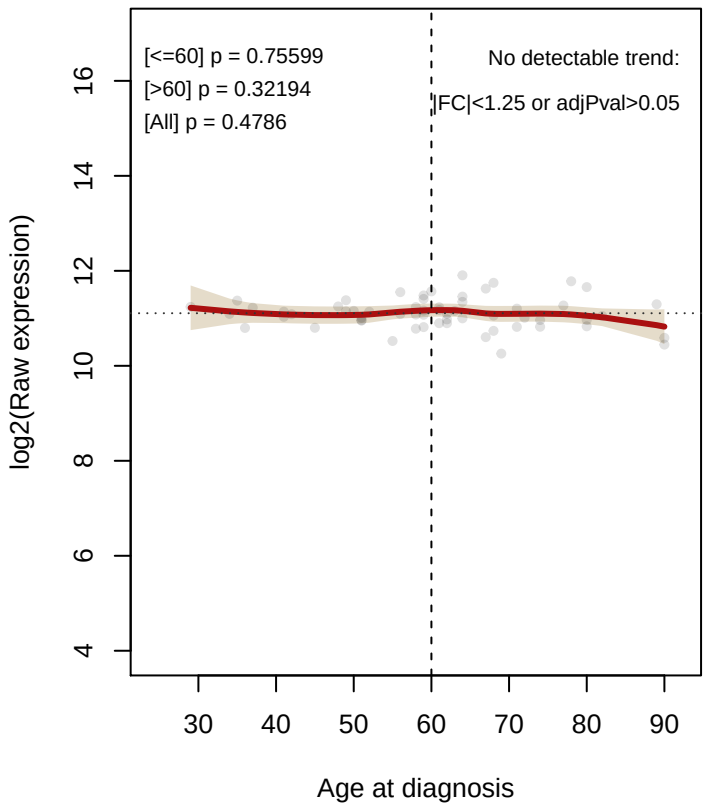
RAD51C (non−ER binding)



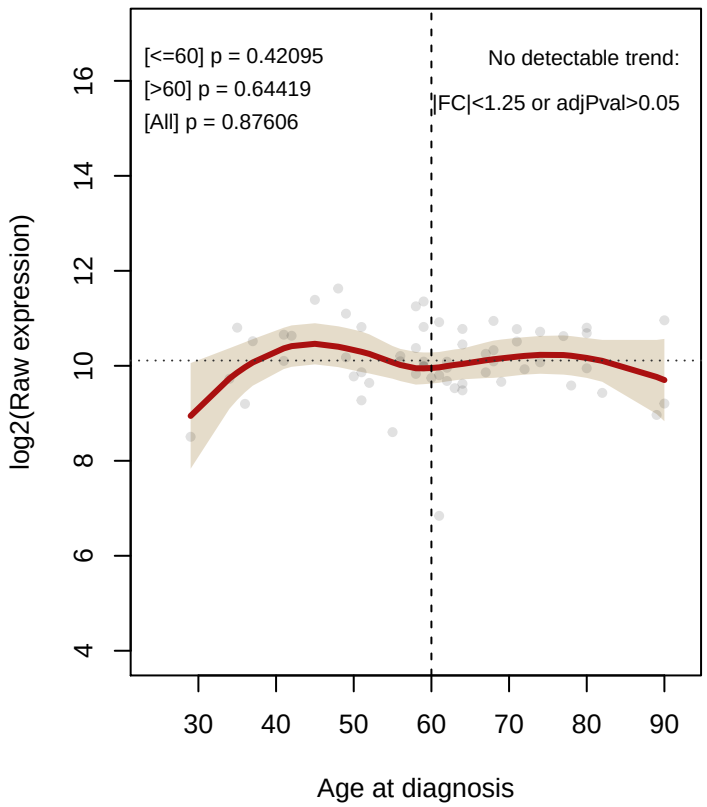
RAD51D (non−ER binding)



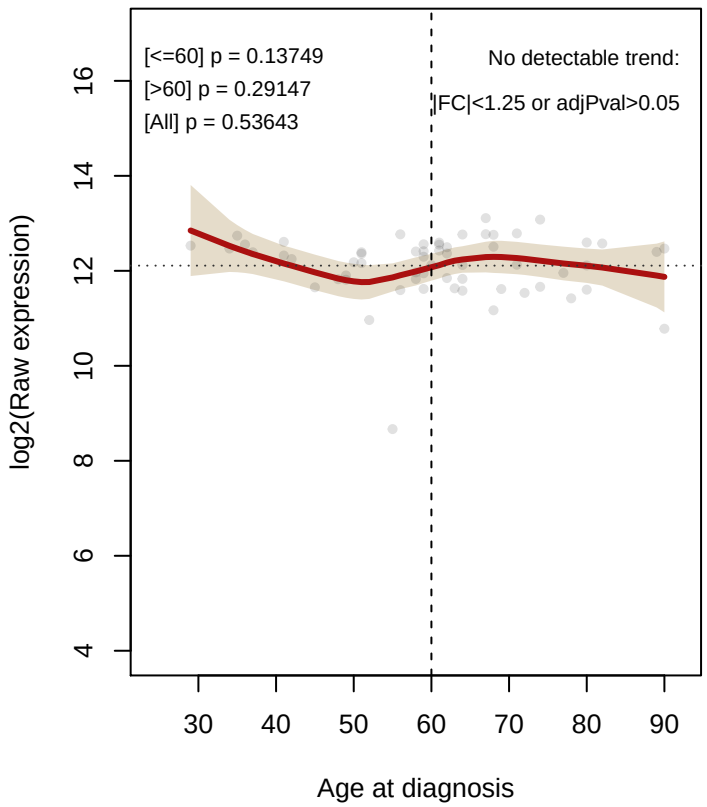
RAF1 (non−ER binding)



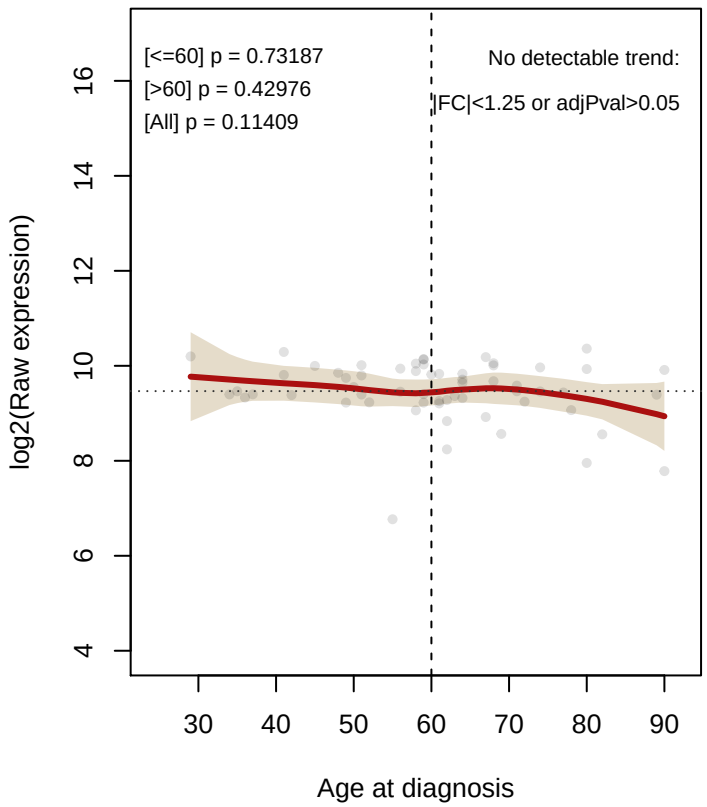
RB1 (non−ER binding)



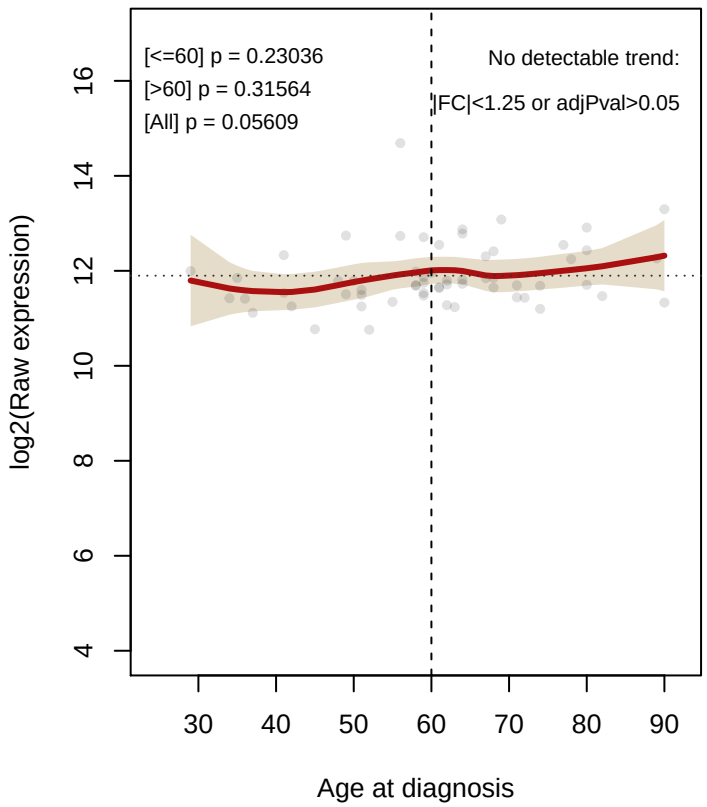
RBBP4 (non−ER binding)



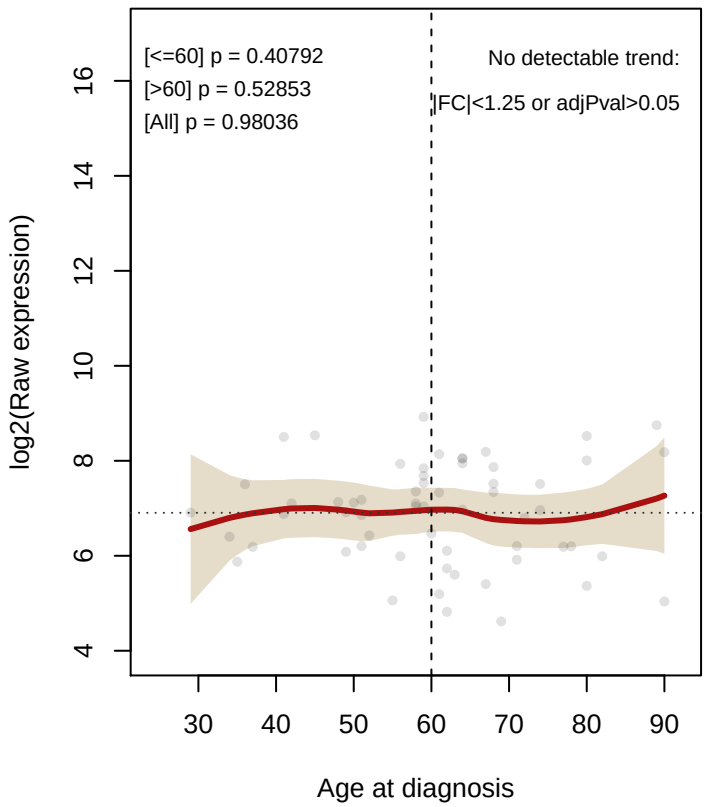
RBBP5 (non−ER binding)

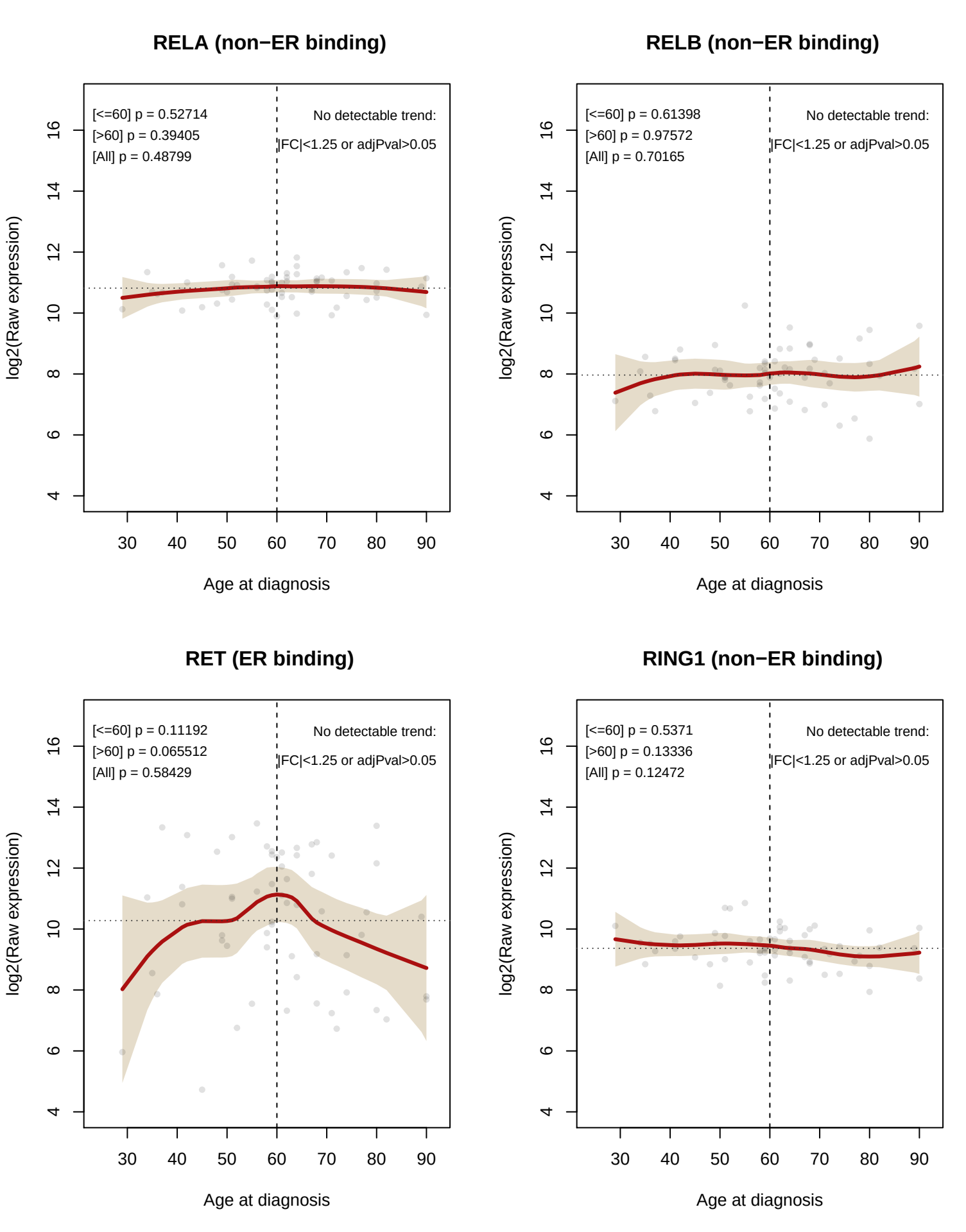


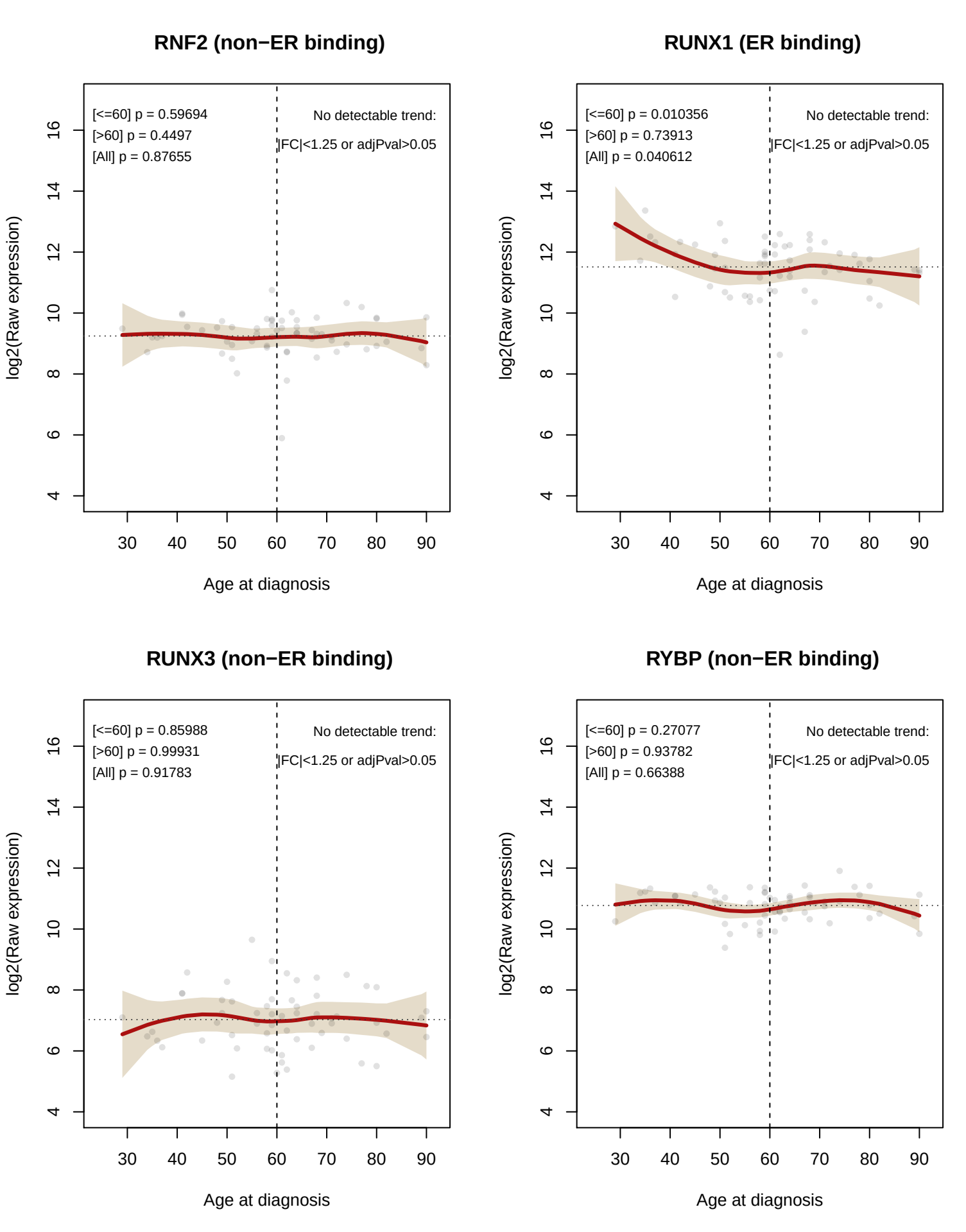
RBBP7 (non−ER binding)

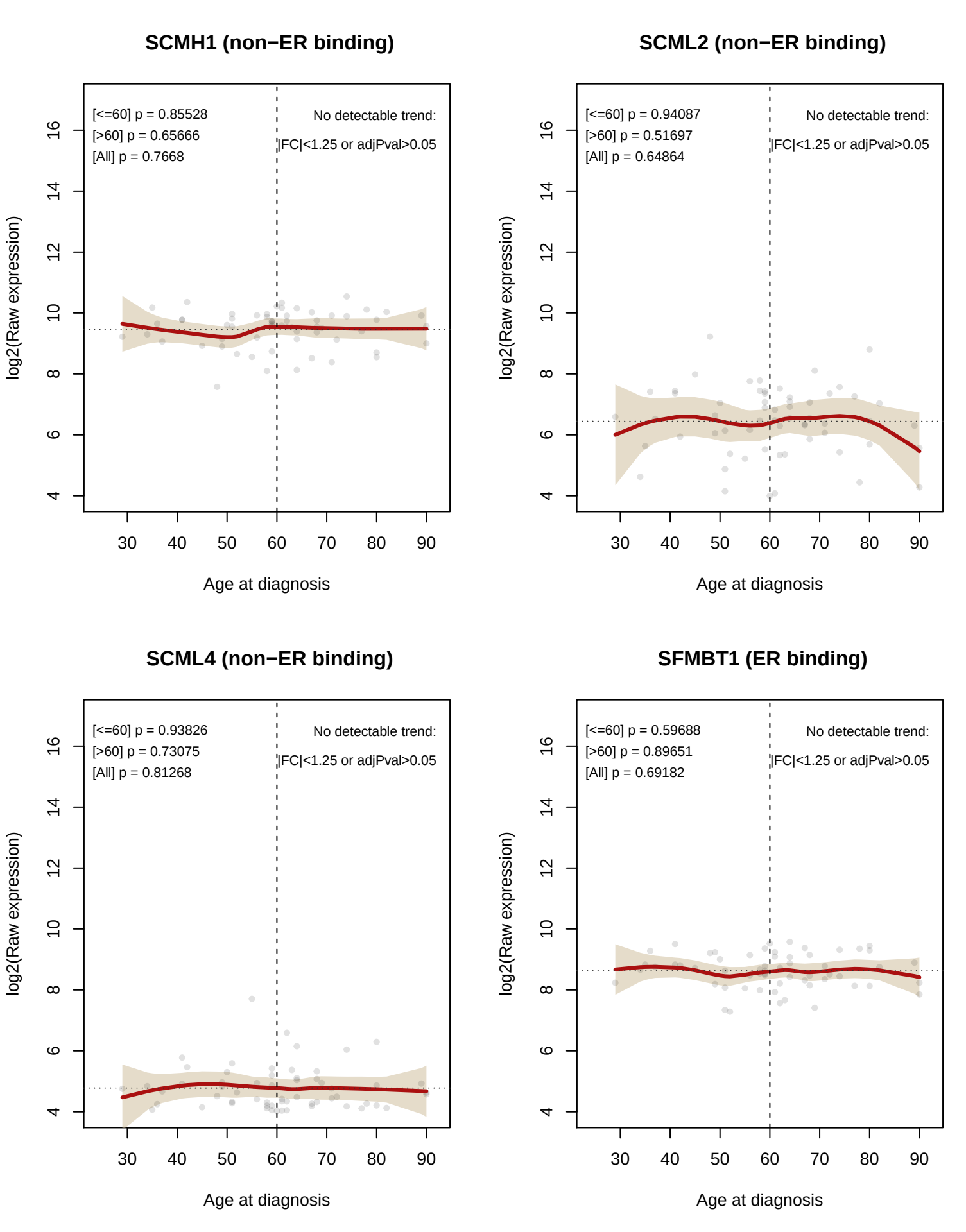


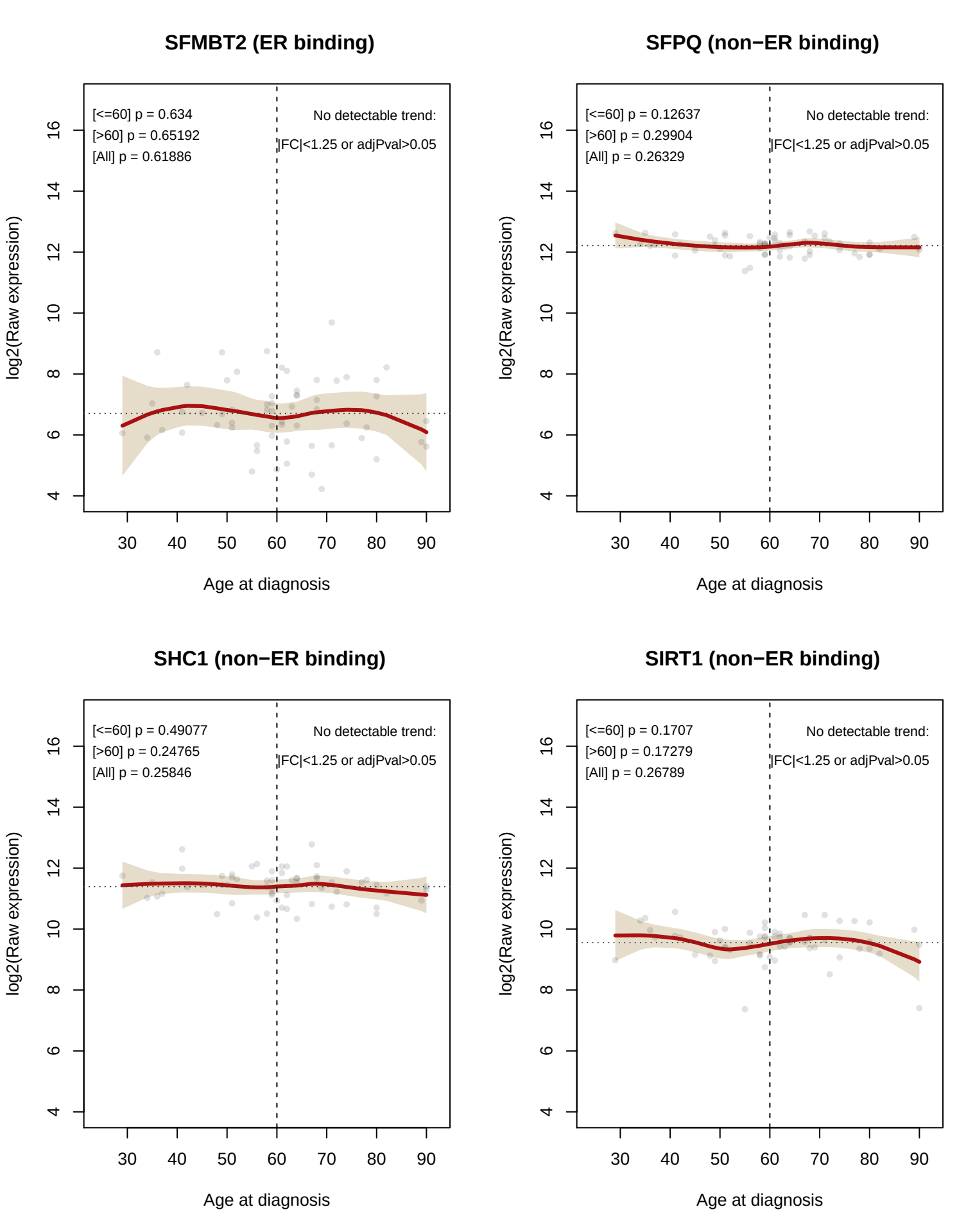
REL (non−ER binding)

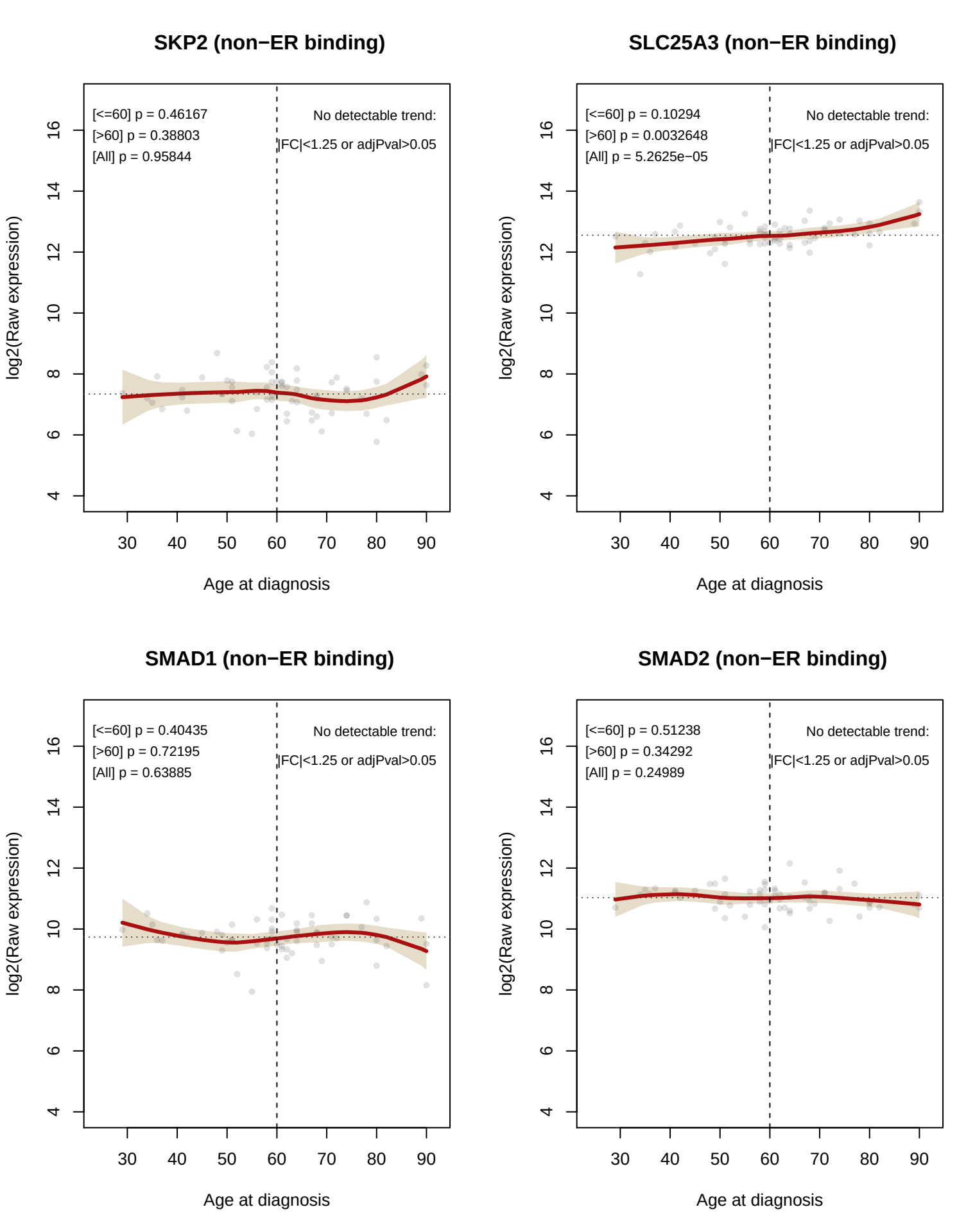


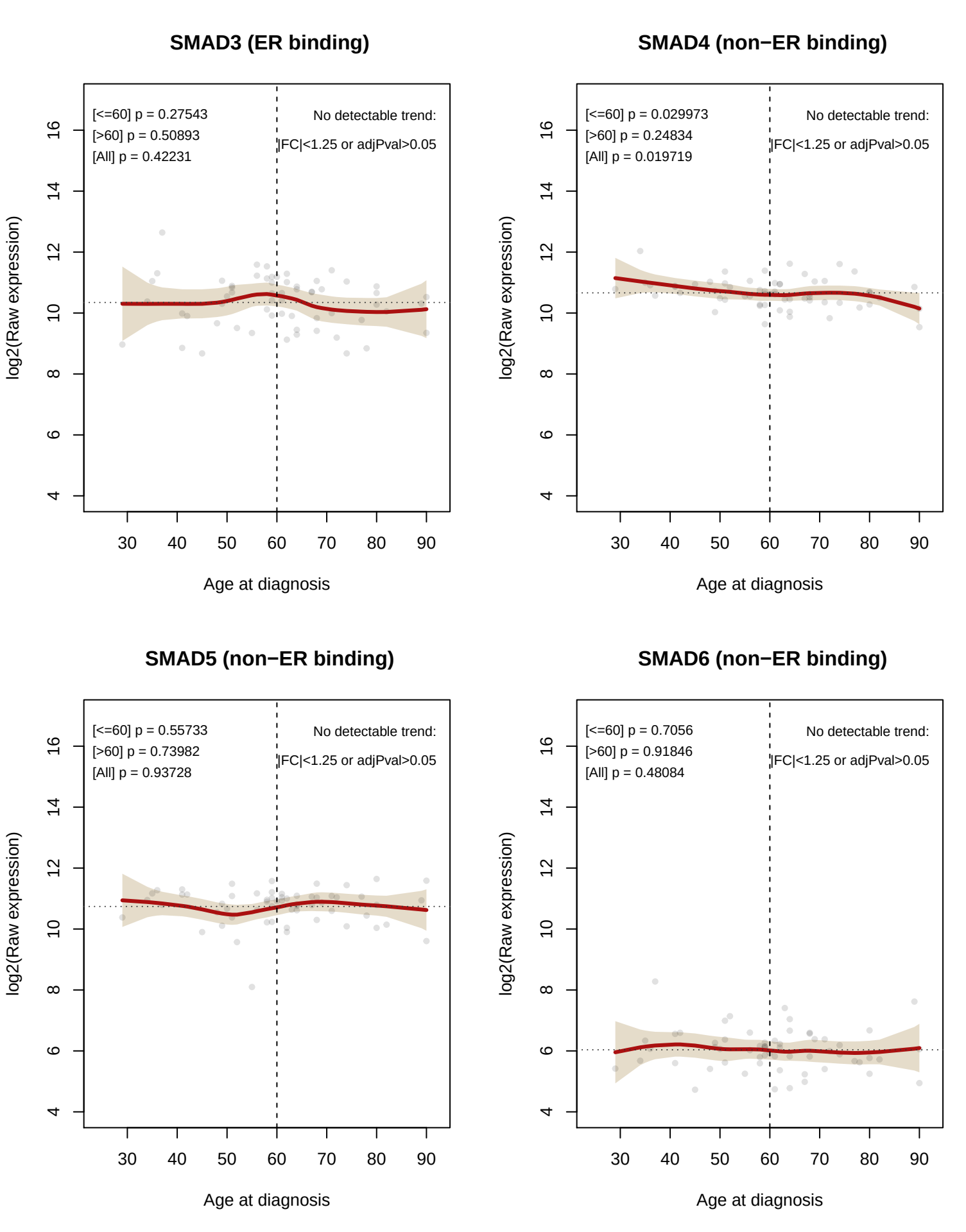

RELA (non−ER binding)
[<=60] p = 0.52714
[>60] p = 0.39405
[All] p = 0.48799
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
RELB (non−ER binding)
[<=60] p = 0.61398
[>60] p = 0.97572
[All] p = 0.70165
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
RET (ER binding)
[<=60] p = 0.11192
[>60] p = 0.065512
[All] p = 0.58429
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
RING1 (non−ER binding)
[<=60] p = 0.5371
[>60] p = 0.13336
[All] p = 0.12472
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis


RNF2 (non−ER binding)
[<=60] p = 0.59694
[>60] p = 0.4497
[All] p = 0.87655
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
RUNX1 (ER binding)
[<=60] p = 0.010356
[>60] p = 0.73913
[All] p = 0.040612
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
RUNX3 (non−ER binding)
[<=60] p = 0.85988
[>60] p = 0.99931
[All] p = 0.91783
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
RYBP (non−ER binding)
[<=60] p = 0.27077
[>60] p = 0.93782
[All] p = 0.66388
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

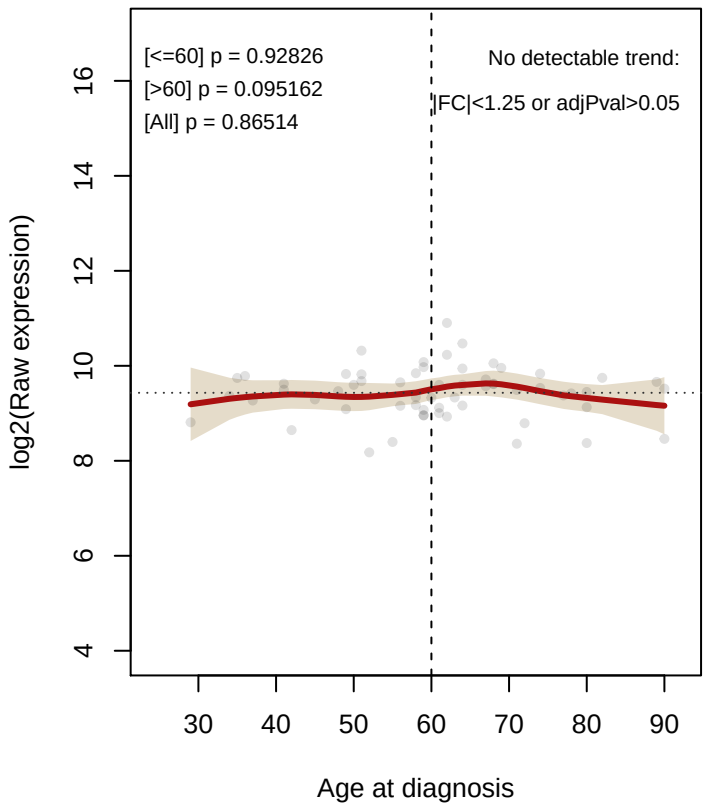

SCMH1 (non−ER binding)
[<=60] p = 0.85528
[>60] p = 0.65666
[All] p = 0.7668
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
SCML2 (non−ER binding)
[<=60] p = 0.94087
[>60] p = 0.51697
[All] p = 0.64864
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
SCML4 (non−ER binding)
[<=60] p = 0.93826
[>60] p = 0.73075
[All] p = 0.81268
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
SFMBT1 (ER binding)
[<=60] p = 0.59688
[>60] p = 0.89651
[All] p = 0.69182
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis


SFMBT2 (ER binding)
[<=60] p = 0.634
[>60] p = 0.65192
[All] p = 0.61886
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
SFPQ (non−ER binding)
[<=60] p = 0.12637
[>60] p = 0.29904
[All] p = 0.26329
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
SHC1 (non−ER binding)
[<=60] p = 0.49077
[>60] p = 0.24765
[All] p = 0.25846
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
SIRT1 (non−ER binding)
[<=60] p = 0.1707
[>60] p = 0.17279
[All] p = 0.26789
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

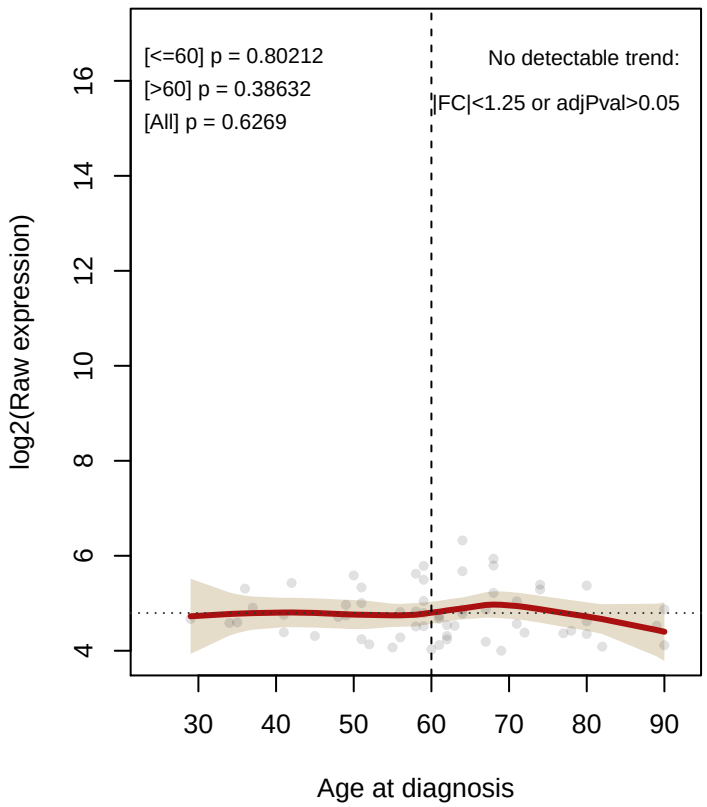

SKP2 (non−ER binding)
[<=60] p = 0.46167
[>60] p = 0.38803
[All] p = 0.95844
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
SLC25A3 (non−ER binding)
[<=60] p = 0.10294
[>60] p = 0.0032648
[All] p = 5.2625e−05
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
SMAD1 (non−ER binding)
[<=60] p = 0.40435
[>60] p = 0.72195
[All] p = 0.63885
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
SMAD2 (non−ER binding)
[<=60] p = 0.51238
[>60] p = 0.34292
[All] p = 0.24989
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis


SMAD3 (ER binding)
[<=60] p = 0.27543
[>60] p = 0.50893
[All] p = 0.42231
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
SMAD4 (non−ER binding)
[<=60] p = 0.029973
[>60] p = 0.24834
[All] p = 0.019719
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
SMAD5 (non−ER binding)
[<=60] p = 0.55733
[>60] p = 0.73982
[All] p = 0.93728
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
SMAD6 (non−ER binding)
[<=60] p = 0.7056
[>60] p = 0.91846
[All] p = 0.48084
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

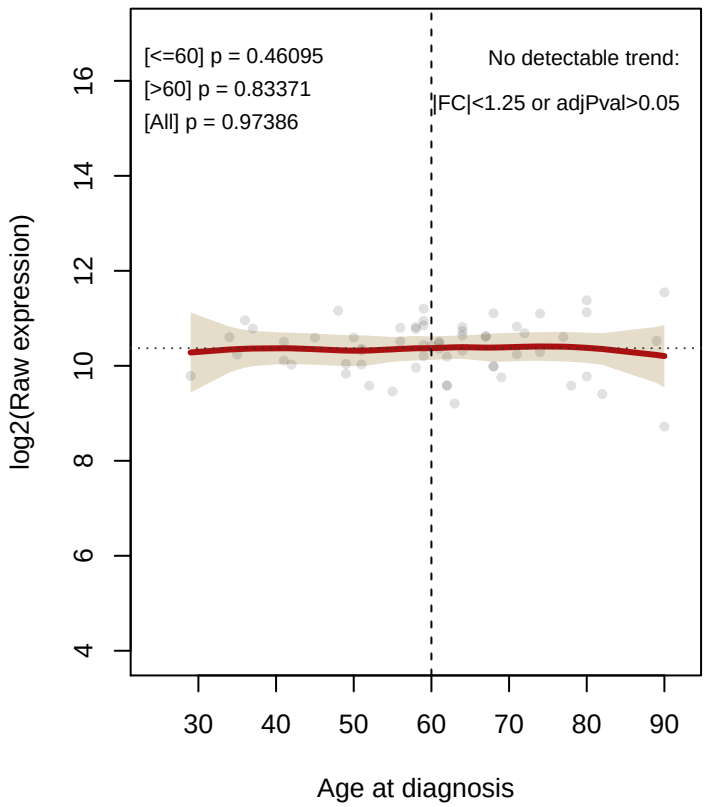
SMAD7 (non−ER binding)



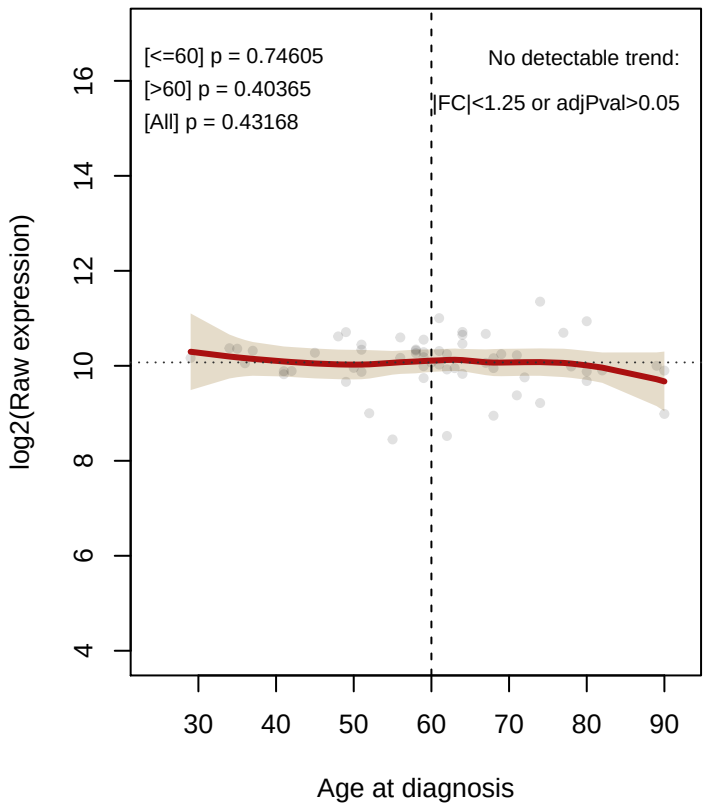
SMAD9 (non−ER binding)

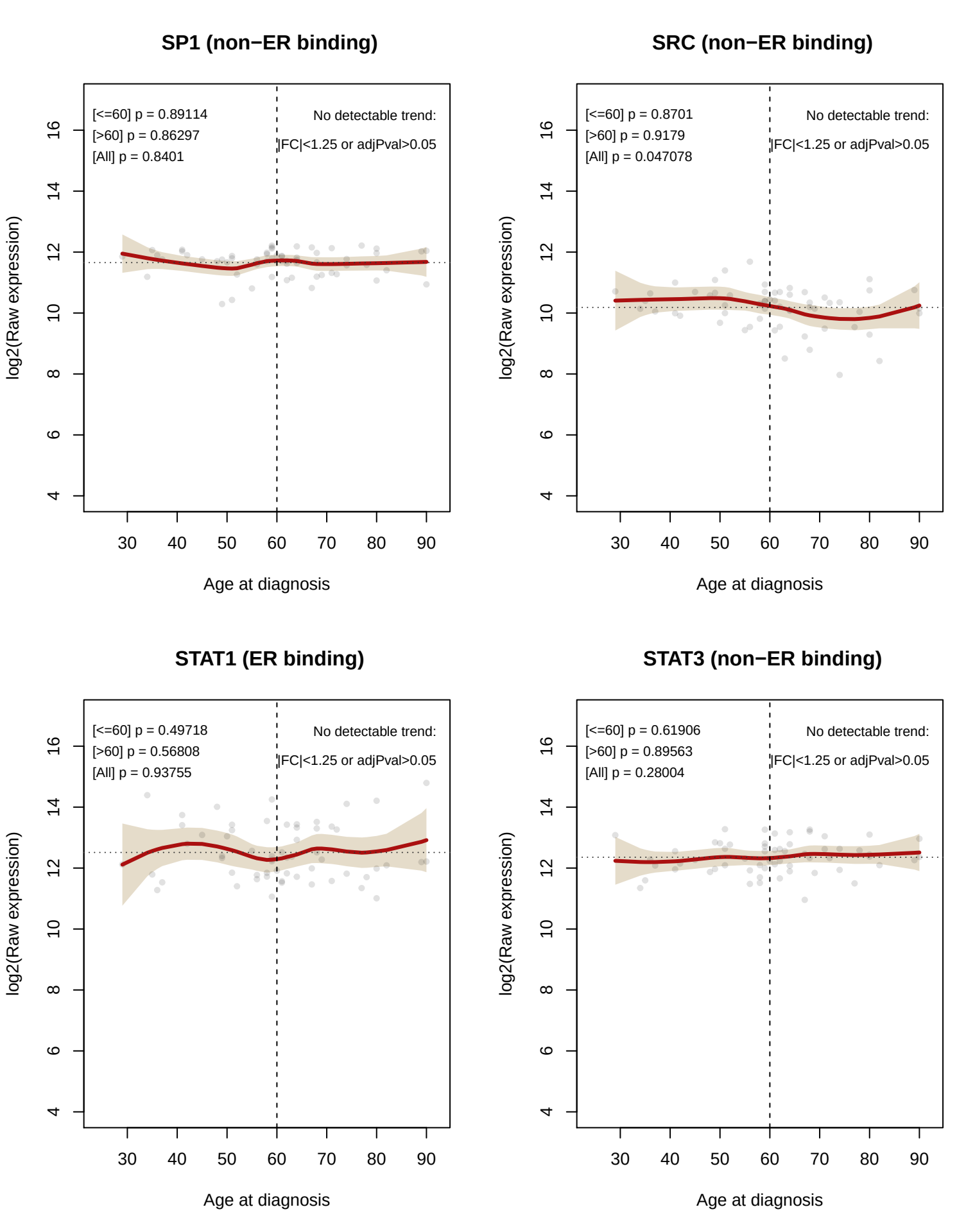


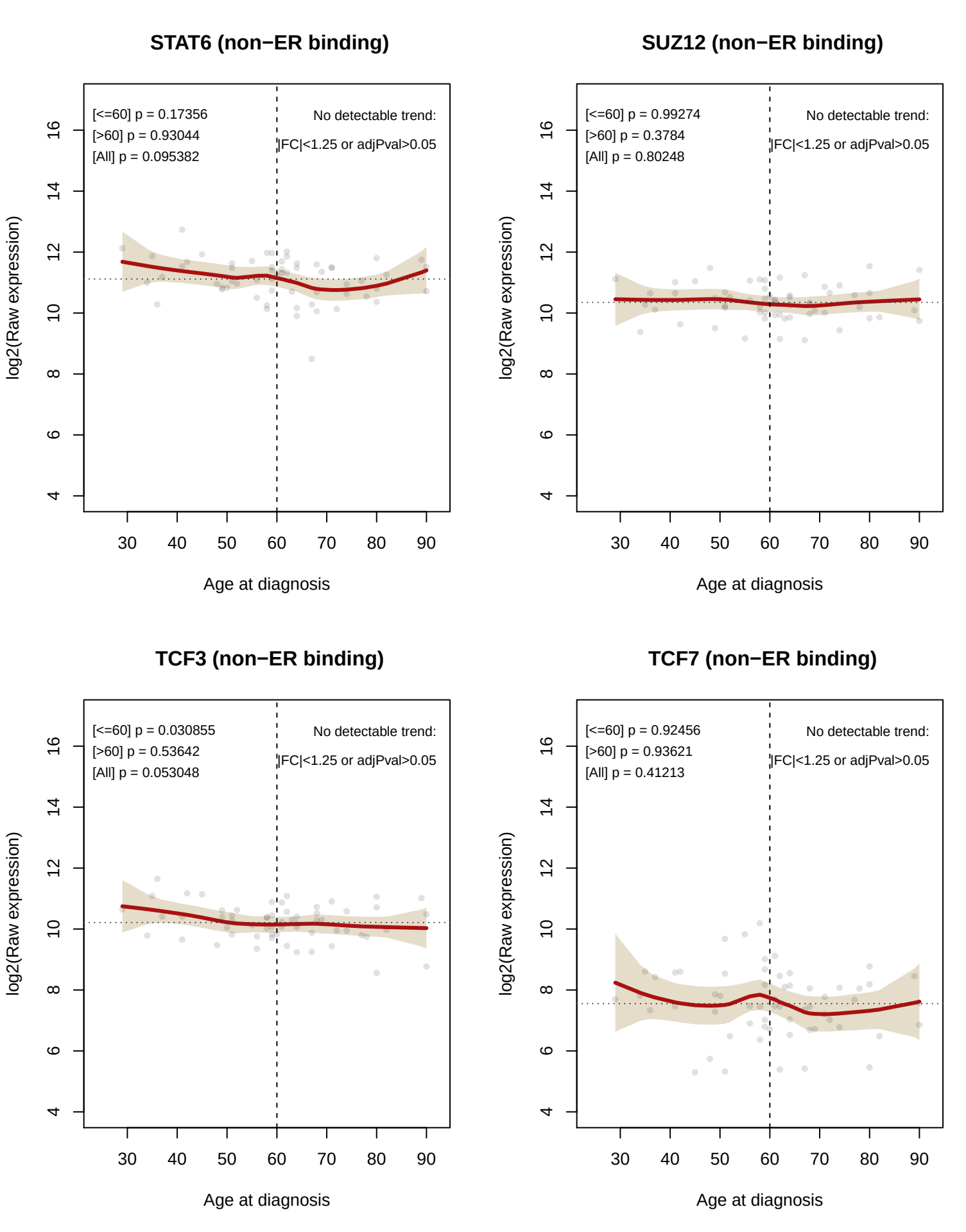
SOS1 (non−ER binding)

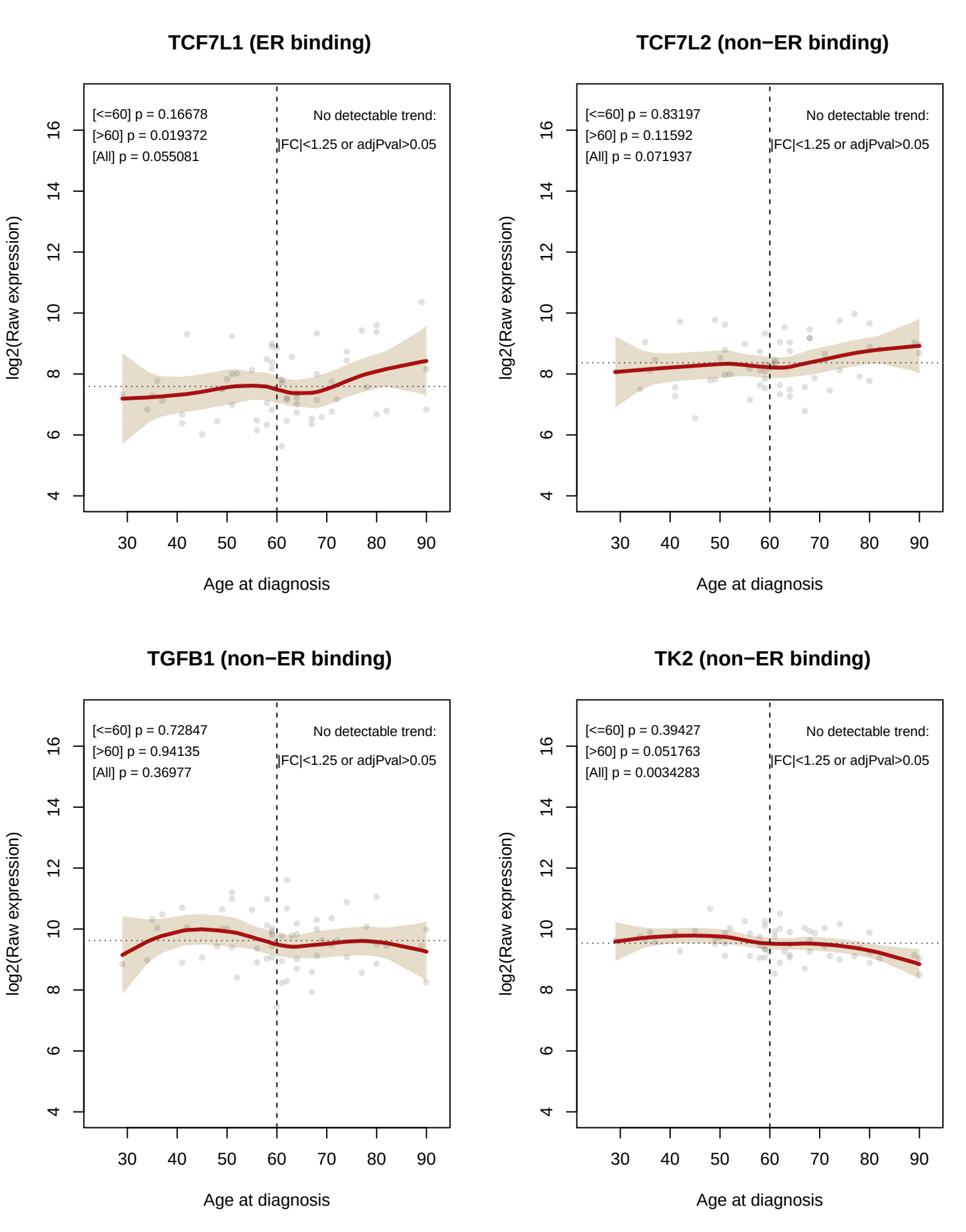


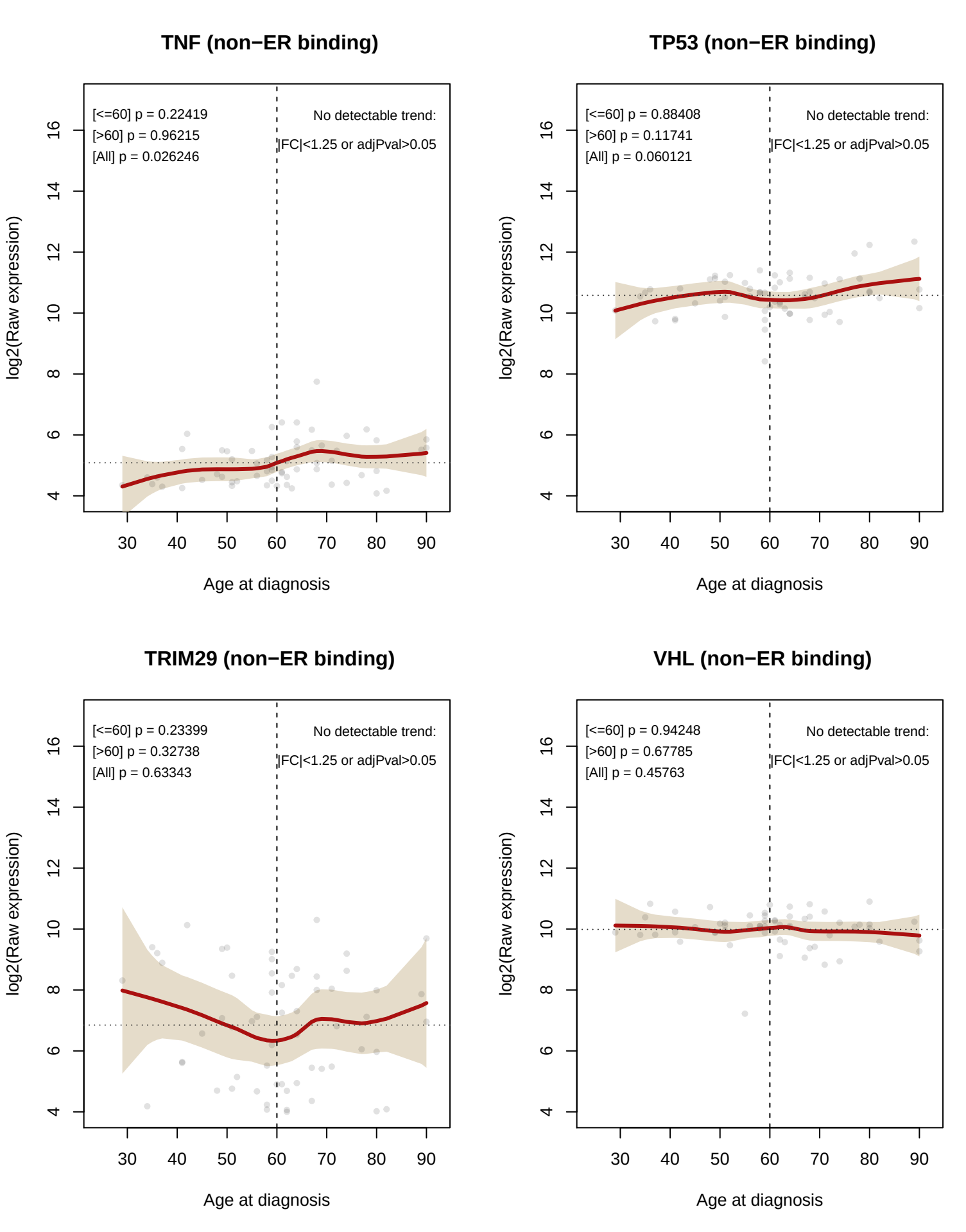
SOS2 (non−ER binding)

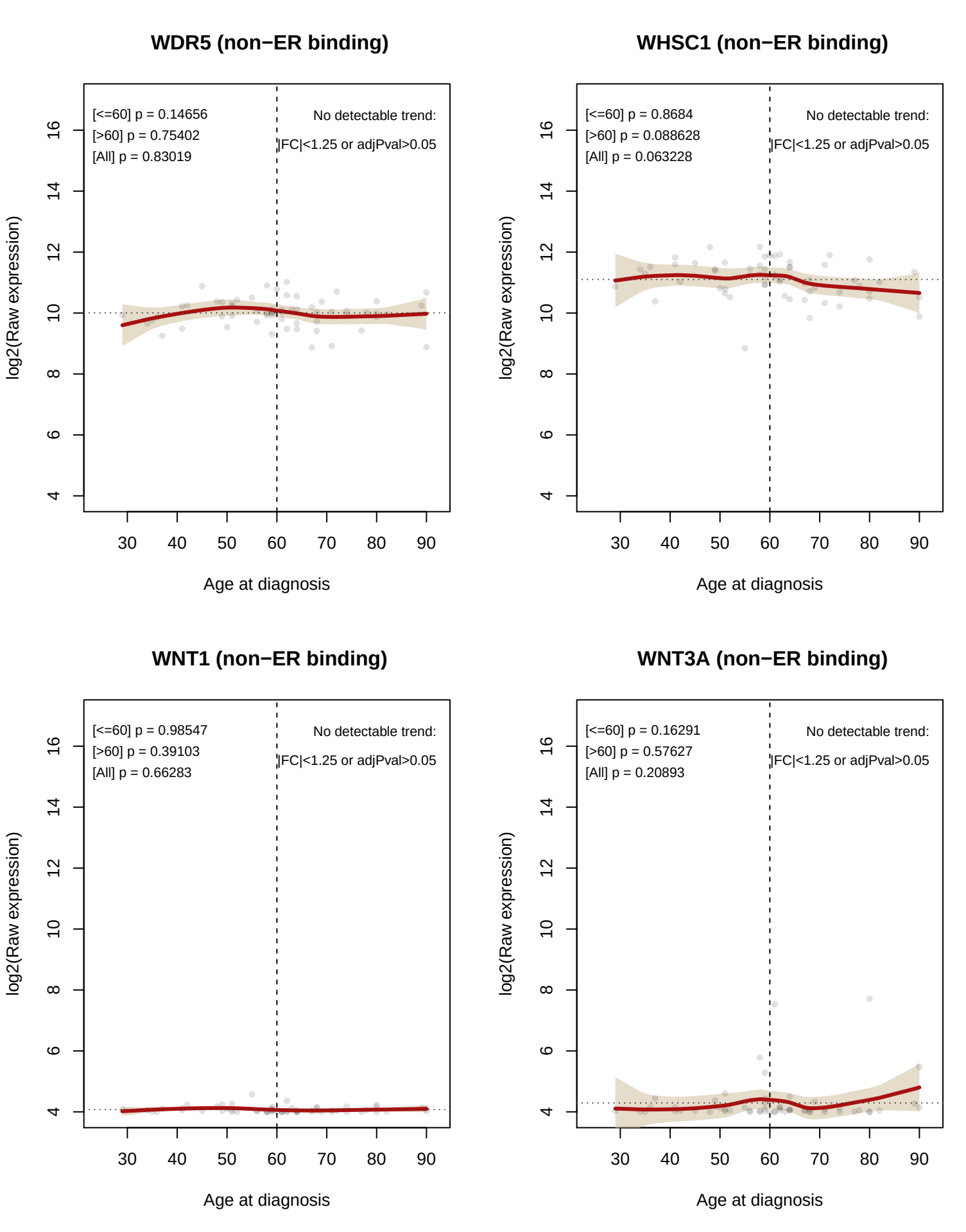


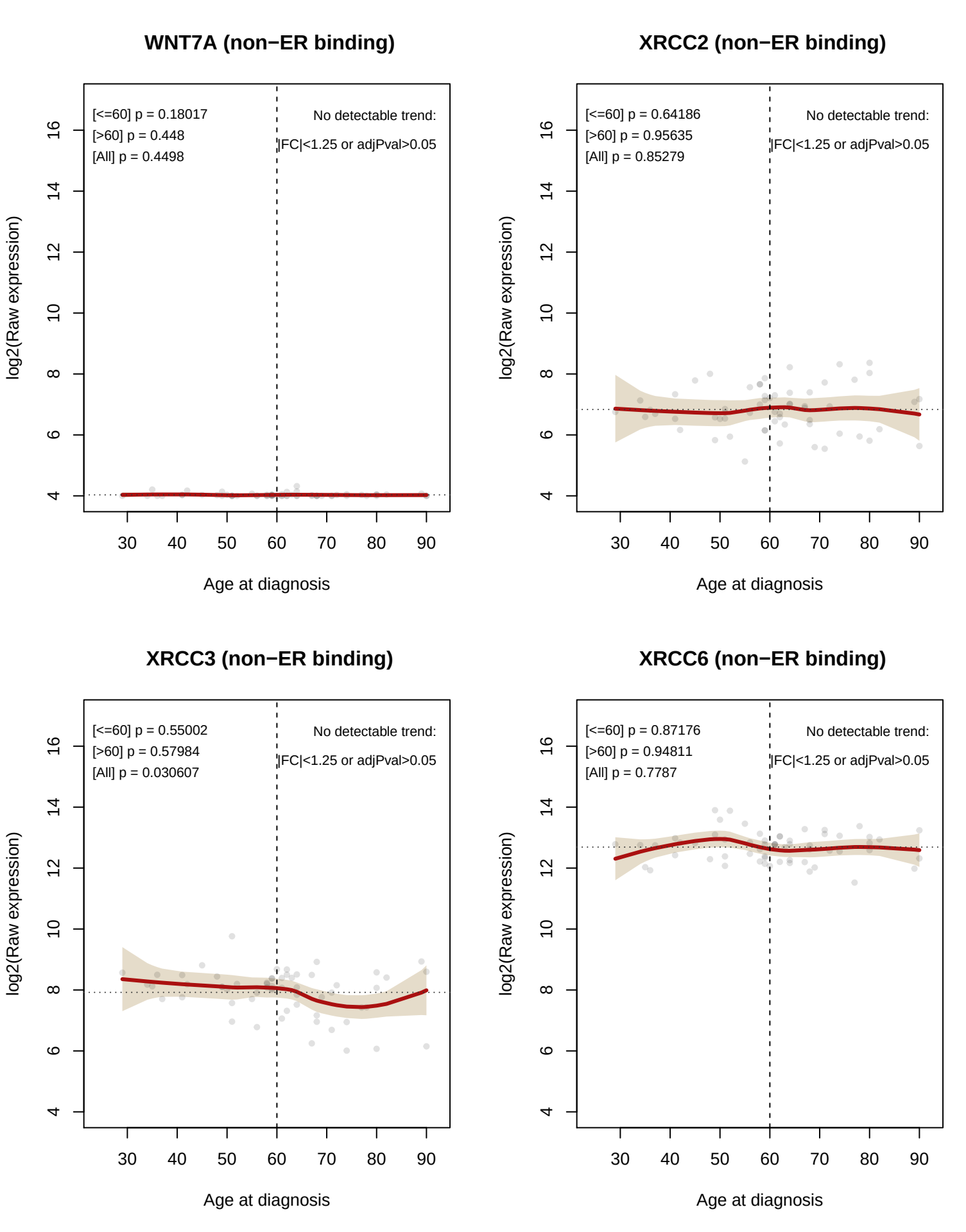

SP1 (non−ER binding)
[<=60] p = 0.89114
[>60] p = 0.86297
[All] p = 0.8401
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
SRC (non−ER binding)
[<=60] p = 0.8701
[>60] p = 0.9179
[All] p = 0.047078
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
STAT1 (ER binding)
[<=60] p = 0.49718
[>60] p = 0.56808
[All] p = 0.93755
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
STAT3 (non−ER binding)
[<=60] p = 0.61906
[>60] p = 0.89563
[All] p = 0.28004
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

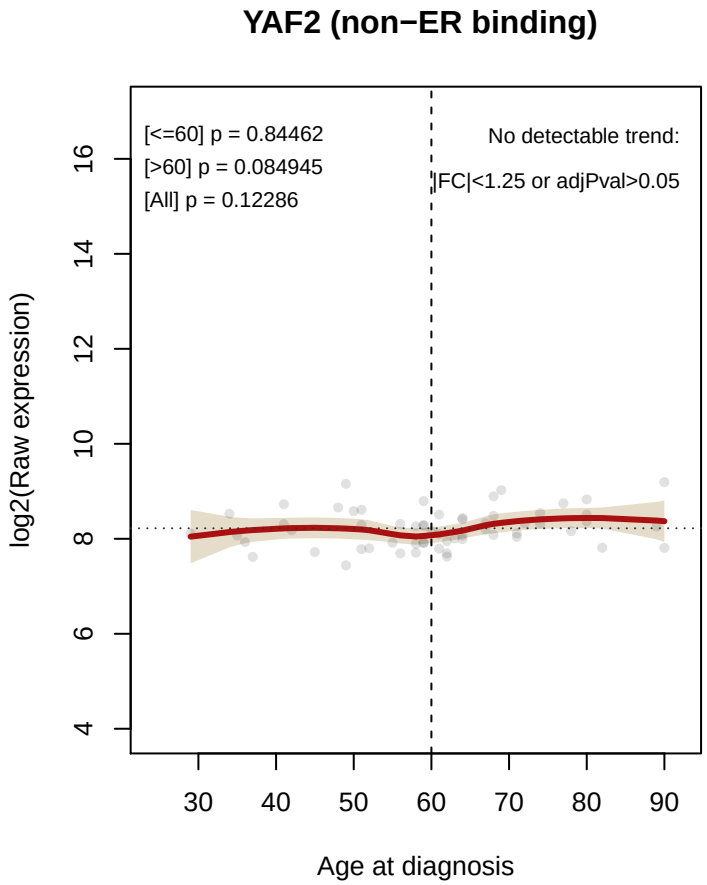

STAT6 (non−ER binding)
[<=60] p = 0.17356
[>60] p = 0.93044
[All] p = 0.095382
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
SUZ12 (non−ER binding)
[<=60] p = 0.99274
[>60] p = 0.3784
[All] p = 0.80248
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
TCF3 (non−ER binding)
[<=60] p = 0.030855
[>60] p = 0.53642
[All] p = 0.053048
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
TCF7 (non−ER binding)
[<=60] p = 0.92456
[>60] p = 0.93621
[All] p = 0.41213
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

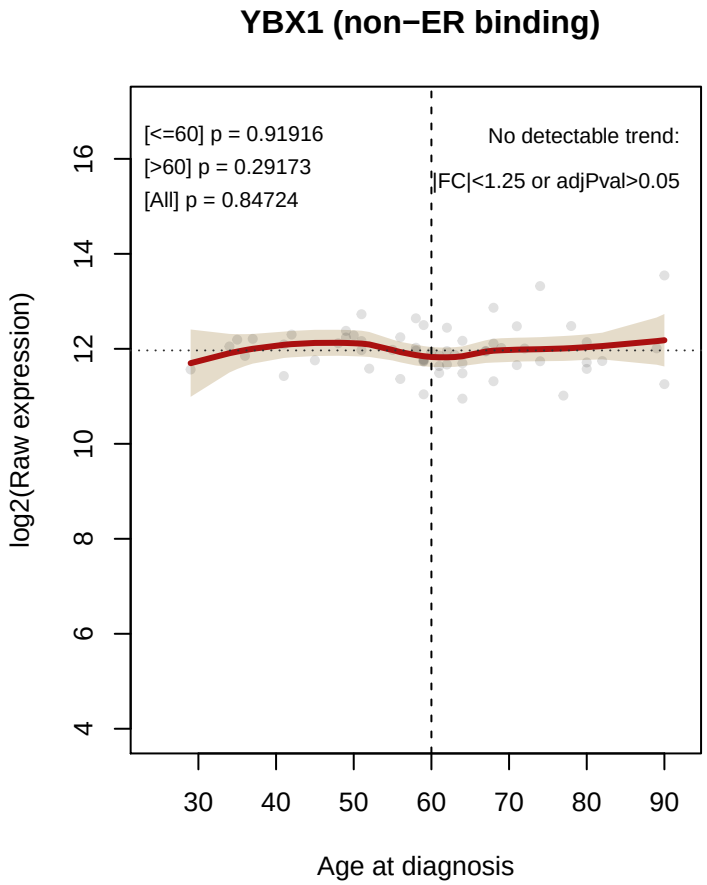

TCF7L1 (ER binding)
[<=60] p = 0.16678
[>60] p = 0.019372
[All] p = 0.055081
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
TCF7L2 (non−ER binding)
[<=60] p = 0.83197
[>60] p = 0.11592
[All] p = 0.071937
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
TGFB1 (non−ER binding)
[<=60] p = 0.72847
[>60] p = 0.94135
[All] p = 0.36977
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
TK2 (non−ER binding)
[<=60] p = 0.39427
[>60] p = 0.051763
[All] p = 0.0034283
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis

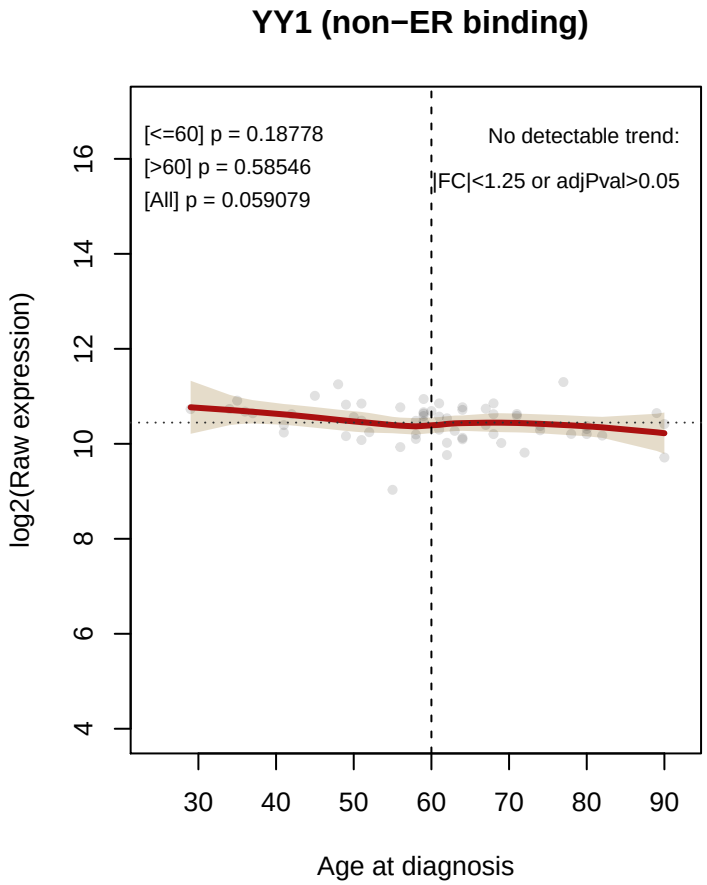

TNF (non−ER binding)
[<=60] p = 0.22419
[>60] p = 0.96215
[All] p = 0.026246
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
TP53 (non−ER binding)
[<=60] p = 0.88408
[>60] p = 0.11741
[All] p = 0.060121
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
TRIM29 (non−ER binding)
[<=60] p = 0.23399
[>60] p = 0.32738
[All] p = 0.63343
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
VHL (non−ER binding)
[<=60] p = 0.94248
[>60] p = 0.67785
[All] p = 0.45763
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis


WDR5 (non−ER binding)
[<=60] p = 0.14656
[>60] p = 0.75402
[All] p = 0.83019
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
WHSC1 (non−ER binding)
[<=60] p = 0.8684
[>60] p = 0.088628
[All] p = 0.063228
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
WNT1 (non−ER binding)
[<=60] p = 0.98547
[>60] p = 0.39103
[All] p = 0.66283
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
WNT3A (non−ER binding)
[<=60] p = 0.16291
[>60] p = 0.57627
[All] p = 0.20893
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis


WNT7A (non−ER binding)
[<=60] p = 0.18017
[>60] p = 0.448
[All] p = 0.4498
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
XRCC2 (non−ER binding)
[<=60] p = 0.64186
[>60] p = 0.95635
[All] p = 0.85279
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
XRCC3 (non−ER binding)
[<=60] p = 0.55002
[>60] p = 0.57984
[All] p = 0.030607
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis
XRCC6 (non−ER binding)
[<=60] p = 0.87176
[>60] p = 0.94811
[All] p = 0.7787
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis


YAF2 (non−ER binding)
[<=60] p = 0.84462
[>60] p = 0.084945
[All] p = 0.12286
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis


YBX1 (non−ER binding)
[<=60] p = 0.91916
[>60] p = 0.29173
[All] p = 0.84724
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis


YY1 (non−ER binding)
[<=60] p = 0.18778
[>60] p = 0.58546
[All] p = 0.059079
No detectable trend:
|FC|<1.25 or adjPval>0.05
log2(Raw expression)
Age at diagnosis