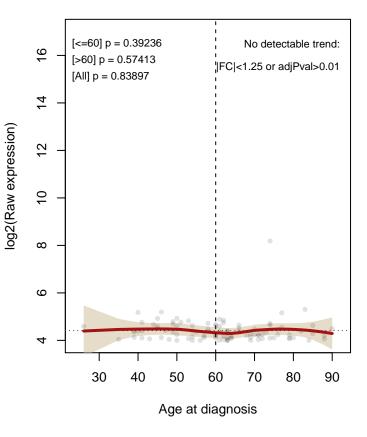


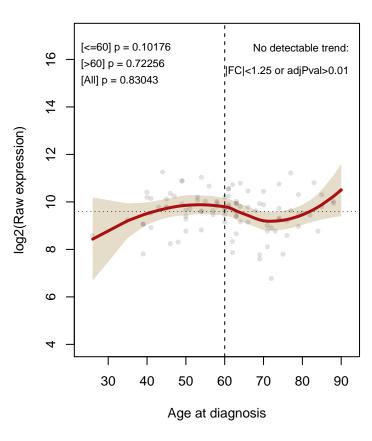
Age at diagnosis

Age at diagnosis



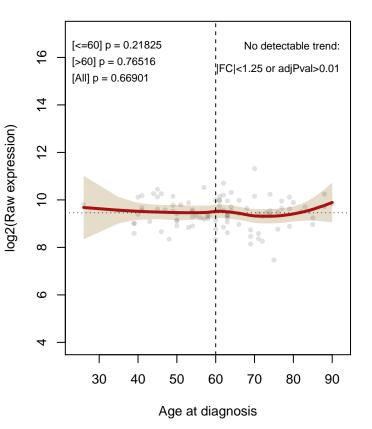
ATM (non-ER binding)

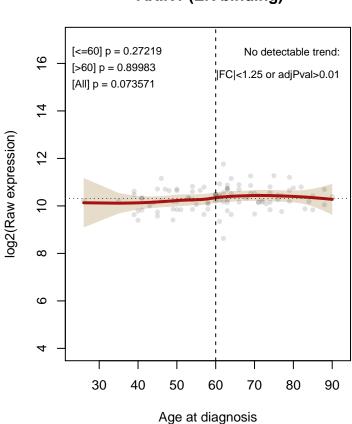




ATR (non-ER binding)

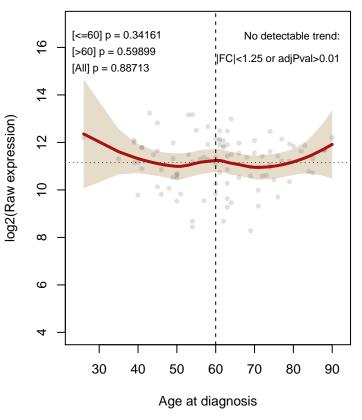
AXIN1 (ER binding)

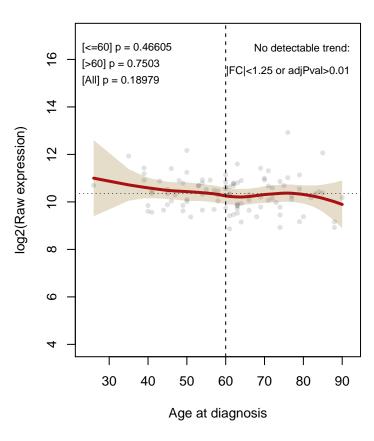






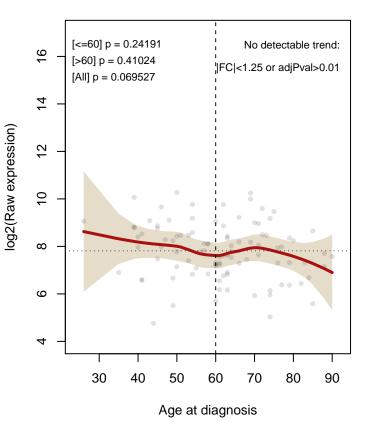
BCL3 (non-ER binding)

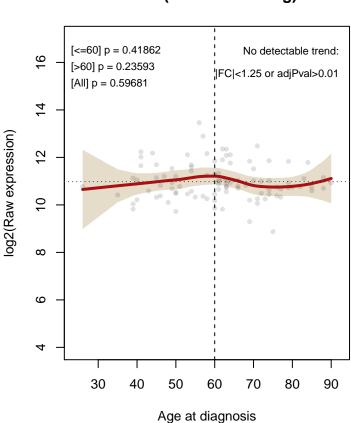




BIRC5 (non-ER binding)

BMI1 (non-ER binding)





BMX (non-ER binding) **BRCA1** (non-ER binding) [<=60] p = 0.18821No detectable trend: [<=60] p = 0.54307No detectable trend: 16 16 [>60] p = 0.14052 [>60] p = 0.49657 FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [All] p = 0.047826[All] p = 0.720194 4 log2(Raw expression) log2(Raw expression) 12 12 10 10 ω ω 9 9 30 40 50 70 80 90 30 40 50 60 70 80 90 60 Age at diagnosis Age at diagnosis CA9 (non-ER binding) **CBX1** (non-ER binding) [<=60] p = 0.74092No detectable trend: [<=60] p = 0.85373No detectable trend: 16 16 [>60] p = 0.75273 [>60] p = 0.86678 FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.90938[All] p = 0.613334 4 log2(Raw expression) log2(Raw expression) 12 12 10 10 ω ω 9 9

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Age at diagnosis

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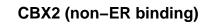
60

Age at diagnosis

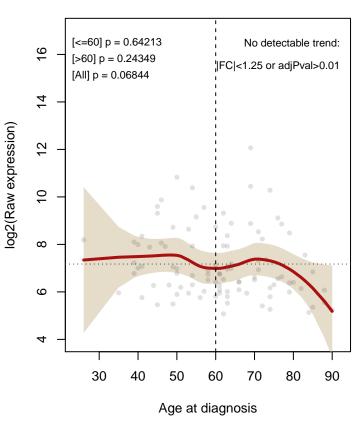
70

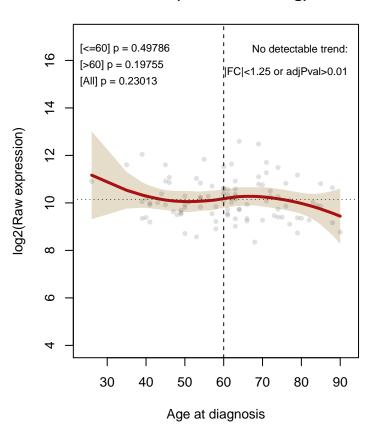
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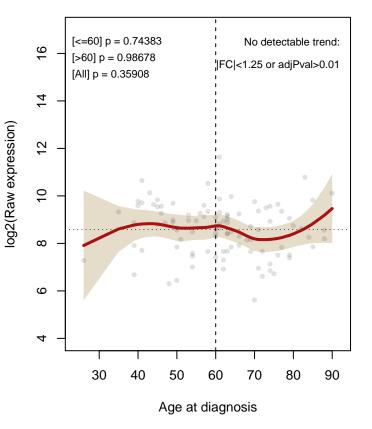
CBX4 (non-ER binding)

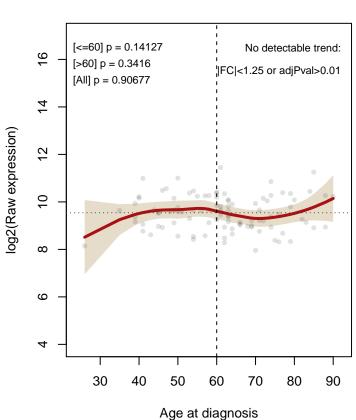


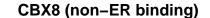


CBX6 (non-ER binding)

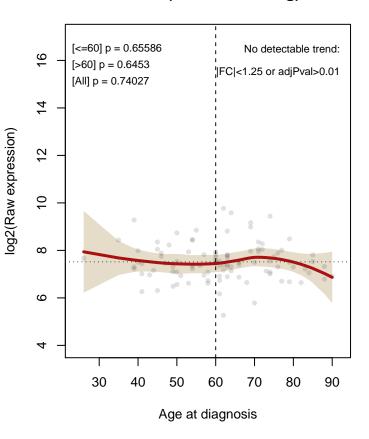
CBX7 (non-ER binding)

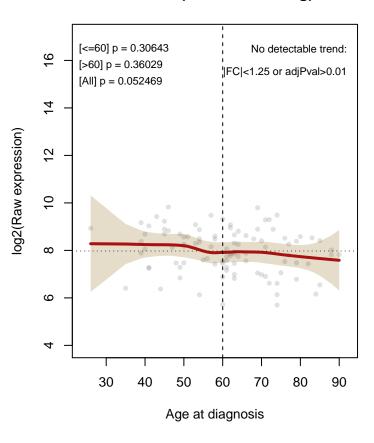






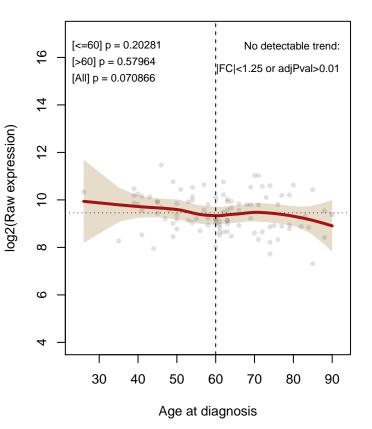
CCNA2 (non-ER binding)

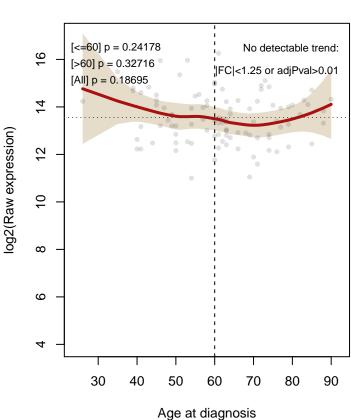




CCNB1 (non-ER binding)

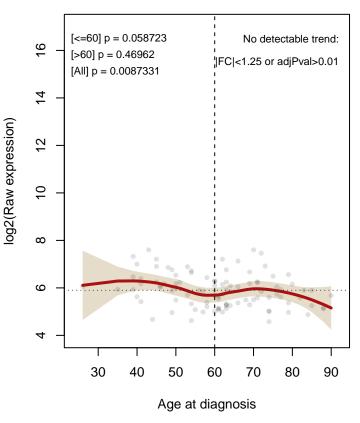
CCND1 (ER binding)

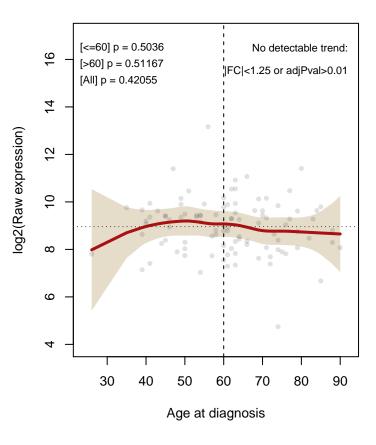






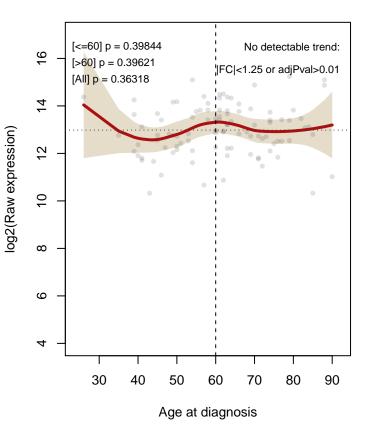
CD163 (non-ER binding)

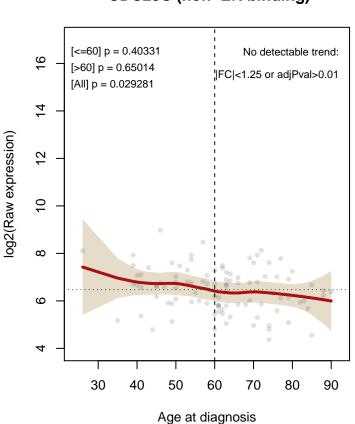


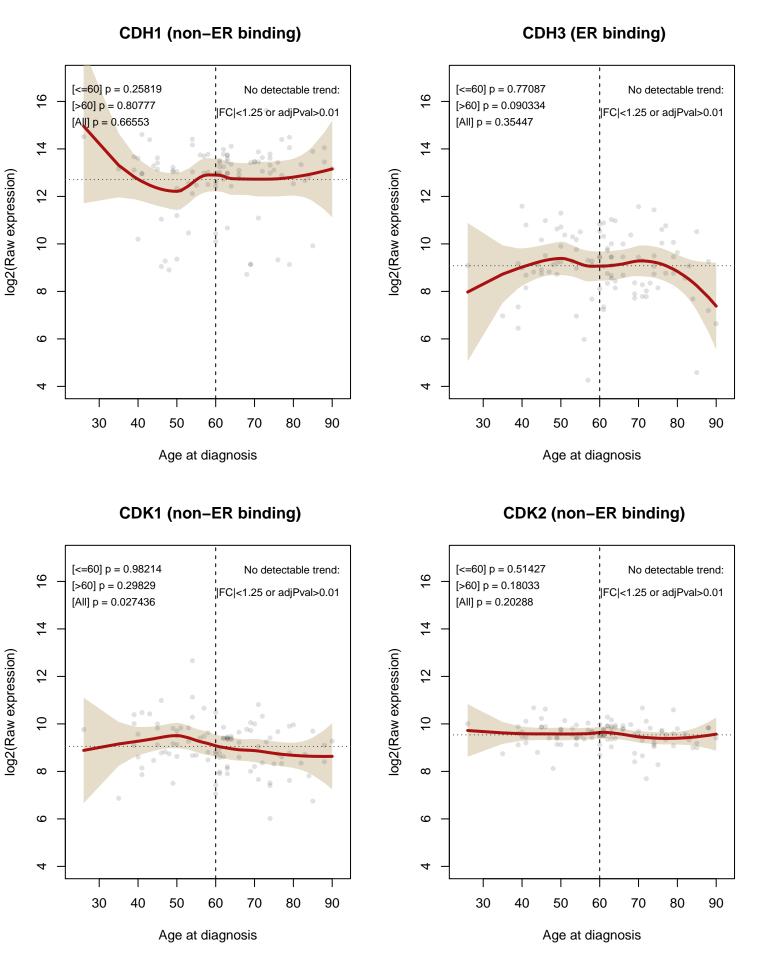


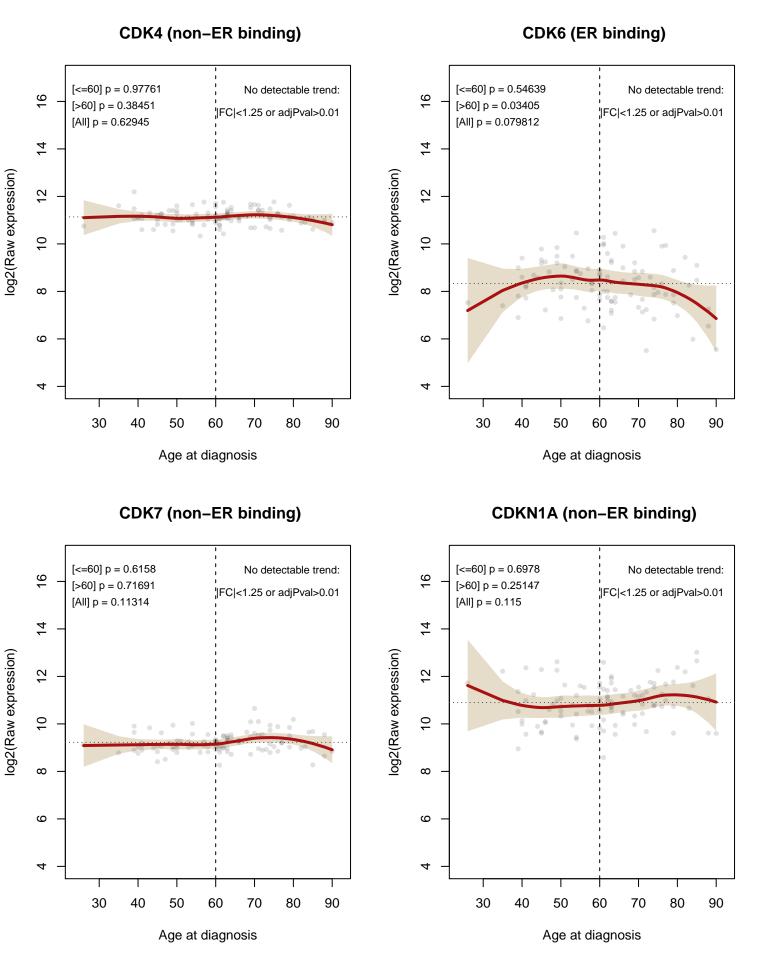
CD44 (non-ER binding)

CDC25C (non-ER binding)

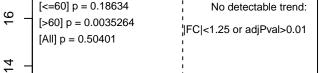


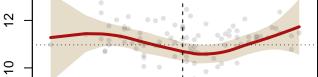






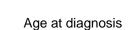
CDKN1B (non-ER binding)





ω 9

log2(Raw expression)



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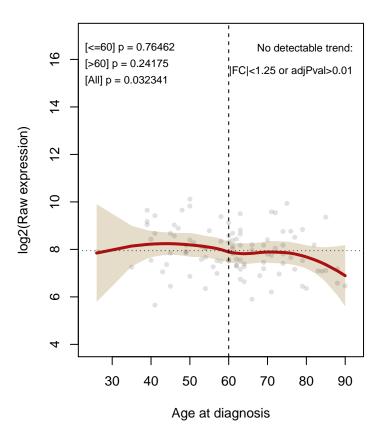
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CDKN1C (non-ER binding)

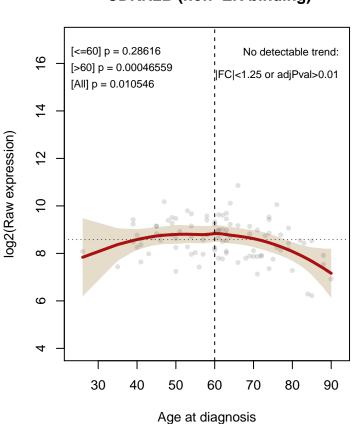


CDKN2A (non-ER binding)

[<=60] p = 0.43467No detectable trend: 16 [>60] p = 0.16912 FC|<1.25 or adjPval>0.01 [AII] p = 0.23994 log2(Raw expression) 12 19 ∞ 9 30 40 50 60 70 80 90

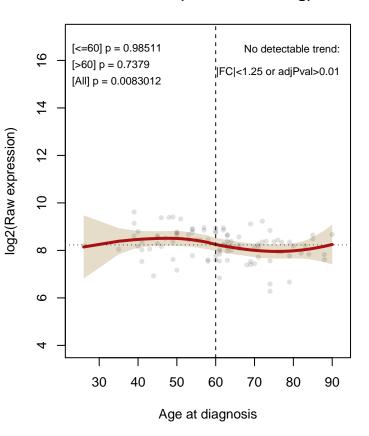
Age at diagnosis

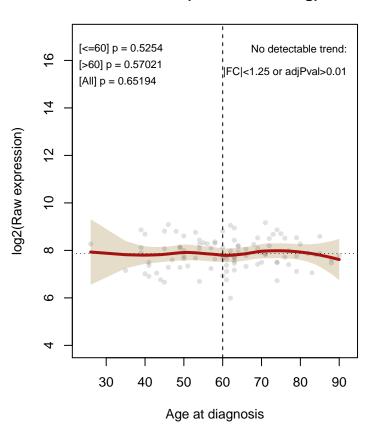
CDKN2B (non-ER binding)



CDKN2C (non-ER binding)

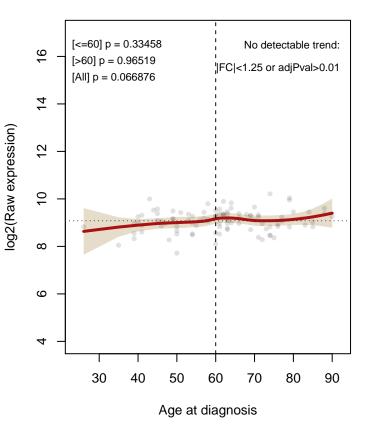
CDKN2D (non-ER binding)

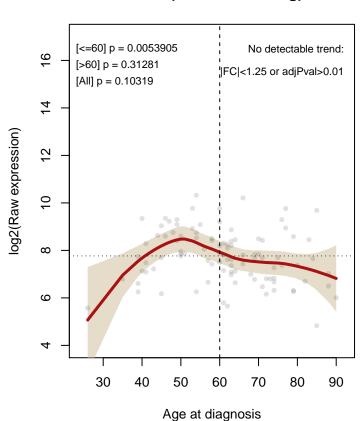




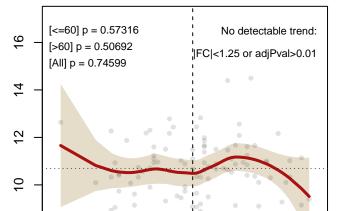
CHUK (non-ER binding)

CIITA (non-ER binding)





CLDN3 (non-ER binding)



log2(Raw expression)

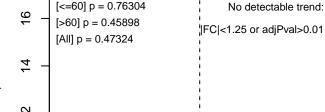
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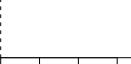
50



CREB1 (non-ER binding)

log2(Raw expression)





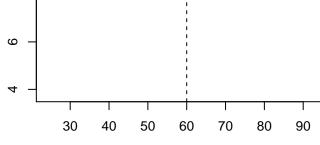
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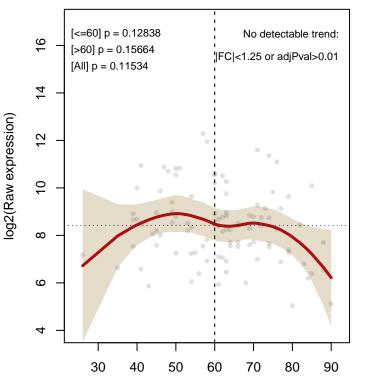
Age at diagnosis

70

60



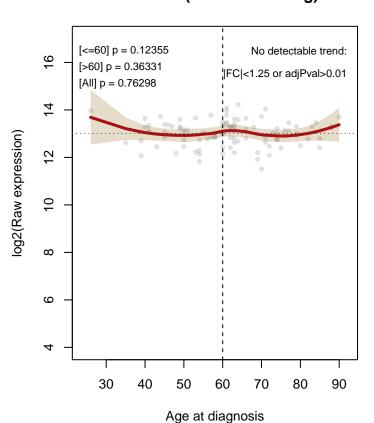
CRYAB (non-ER binding)



Age at diagnosis

CTNNB1 (non-ER binding)

Age at diagnosis



DLC1 (ER binding) DMAP1 (non-ER binding) [<=60] p = 0.10342No detectable trend: [<=60] p = 0.71853No detectable trend: 16 16 [>60] p = 0.044422 [>60] p = 0.16018 FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [All] p = 0.81118[AII] p = 5.3258e - 054 4 log2(Raw expression) log2(Raw expression) 12 12 10 10 ∞ ∞ 9 9 30 40 50 60 70 80 90 30 40 50 60 70 80 90 Age at diagnosis Age at diagnosis **DNMT1** (non-ER binding) **DNMT3A (non-ER binding)** [<=60] p = 0.90284No detectable trend: [<=60] p = 0.012384No detectable trend: 16 16 [>60] p = 0.82821 [>60] p = 0.45963 FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [All] p = 0.13869[All] p = 0.0273764 4 log2(Raw expression) log2(Raw expression) 12 12 19 10 ∞ ∞ 9 9

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Age at diagnosis

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Age at diagnosis

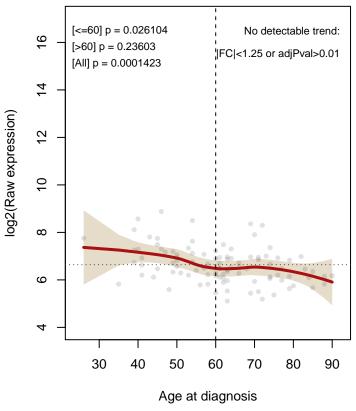
70

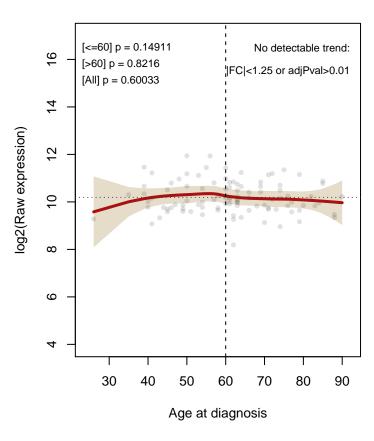
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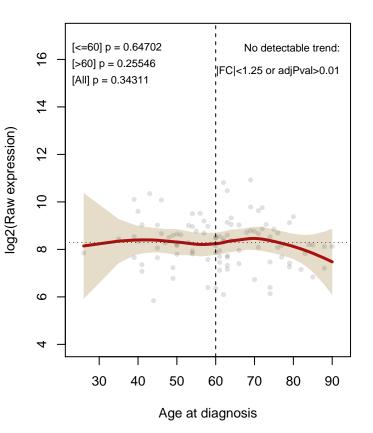
DVL1 (non-ER binding)

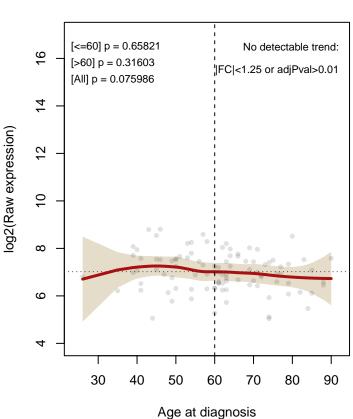


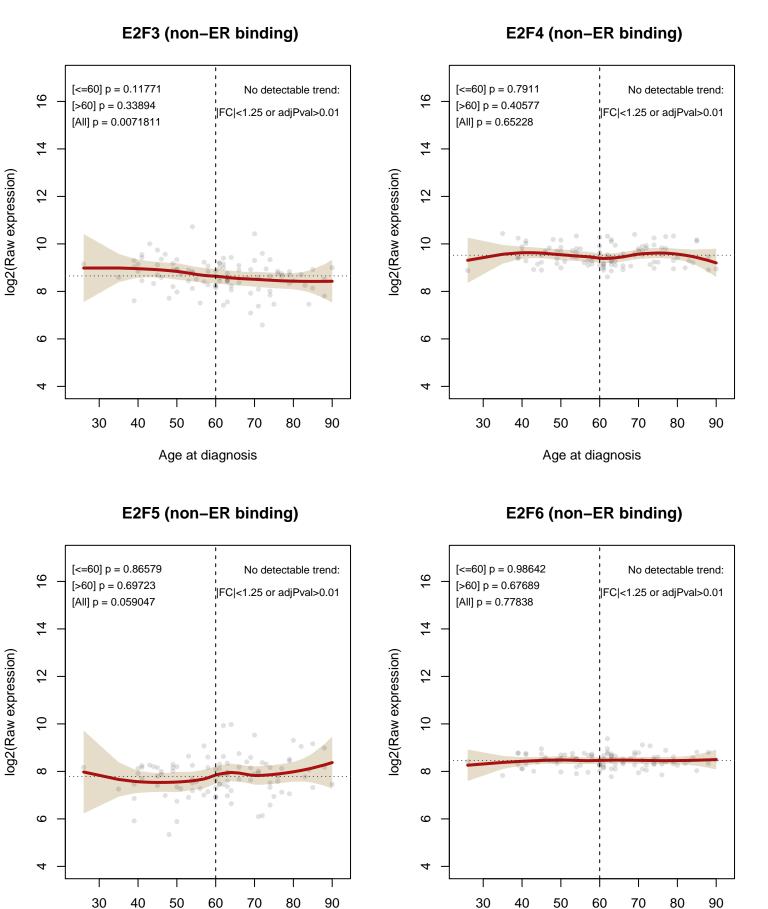


E2F1 (non-ER binding)

E2F2 (non-ER binding)

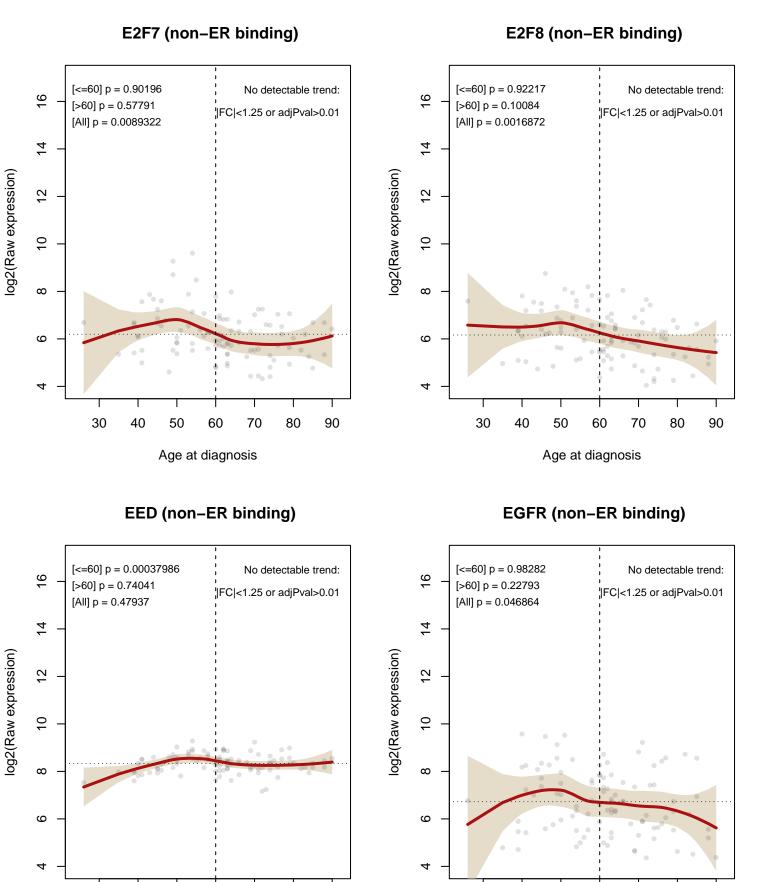






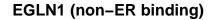
Age at diagnosis

Age at diagnosis

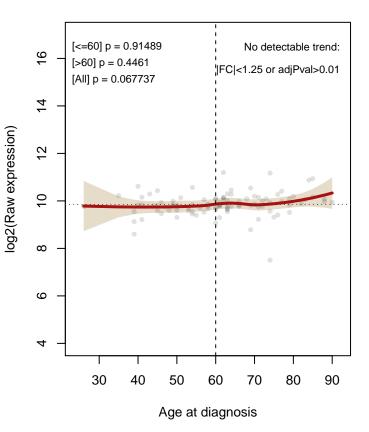


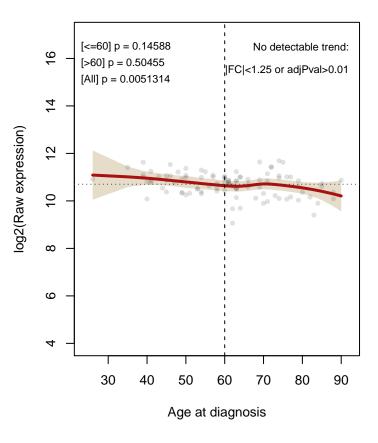
Age at diagnosis

Age at diagnosis



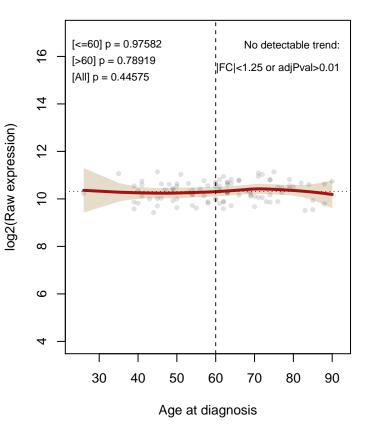
EHMT2 (non-ER binding)

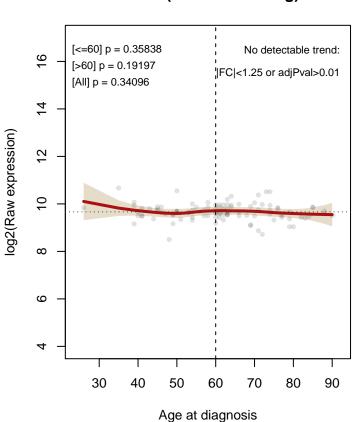




ELAC2 (non-ER binding)

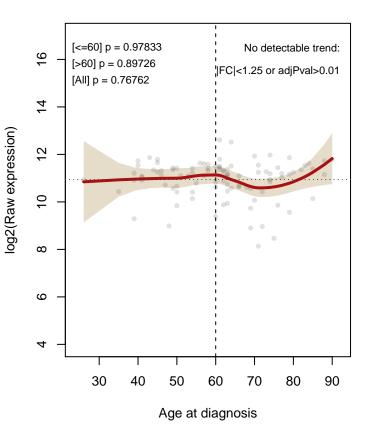
ELK1 (non-ER binding)

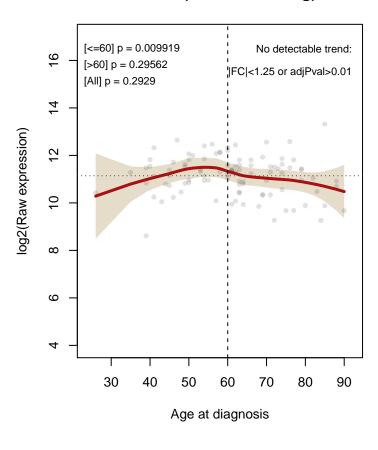






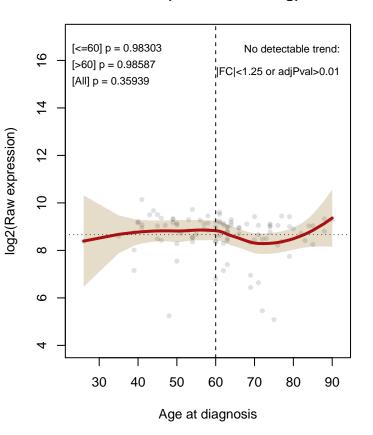
EPAS1 (non-ER binding)

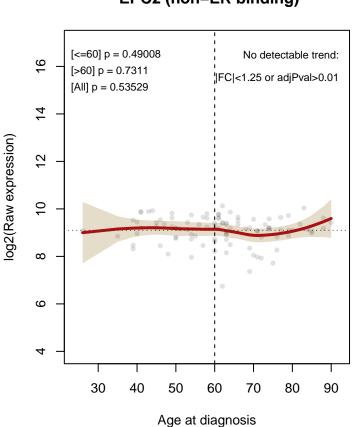




EPC1 (non-ER binding)

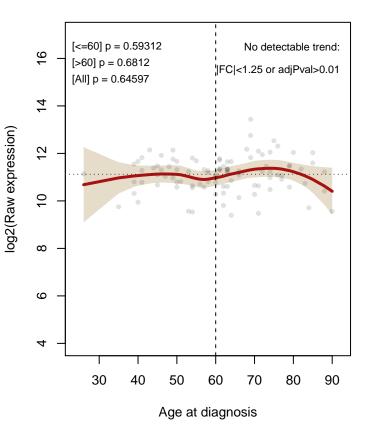
EPC2 (non-ER binding)

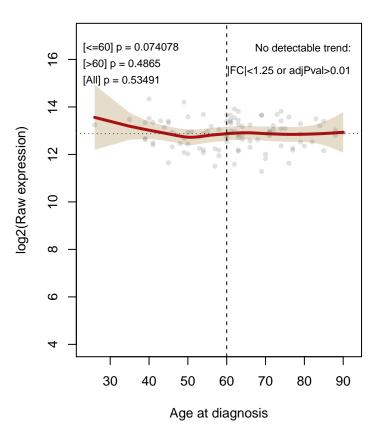






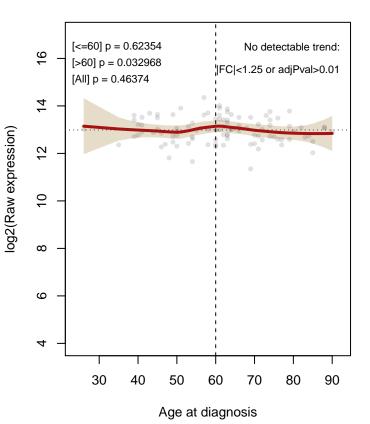
ERBB2 (non-ER binding)

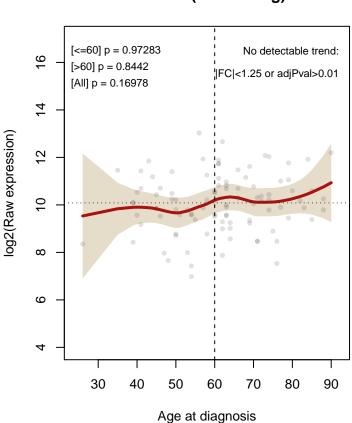


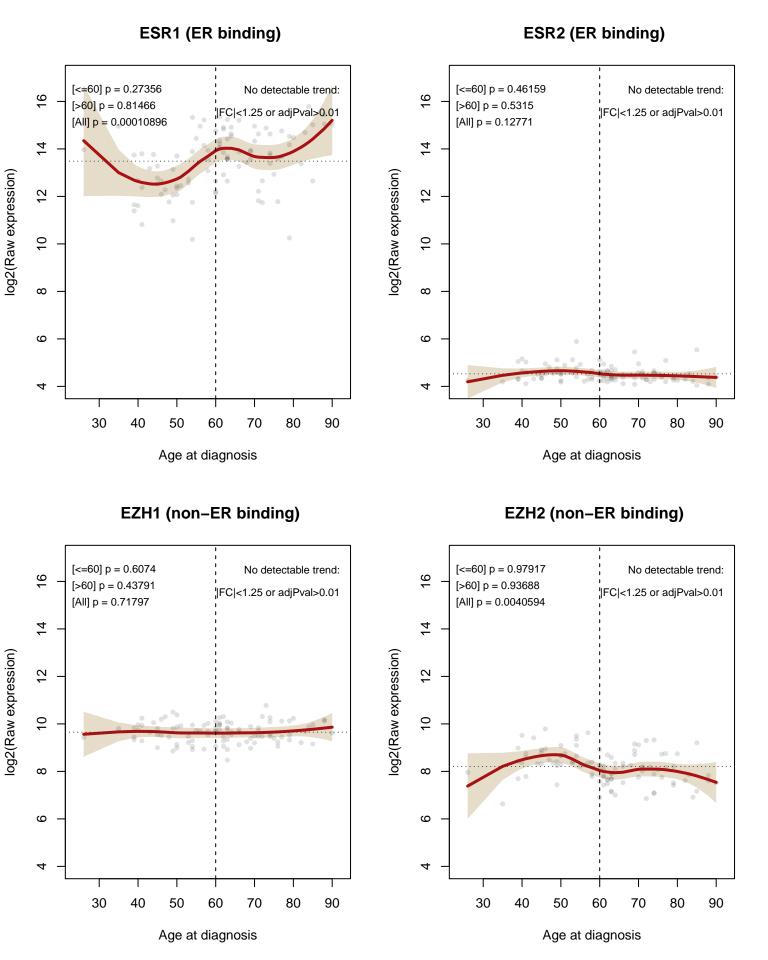


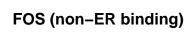
ERBB3 (non-ER binding)

ERBB4 (ER binding)

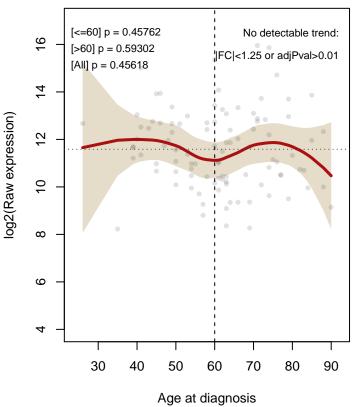


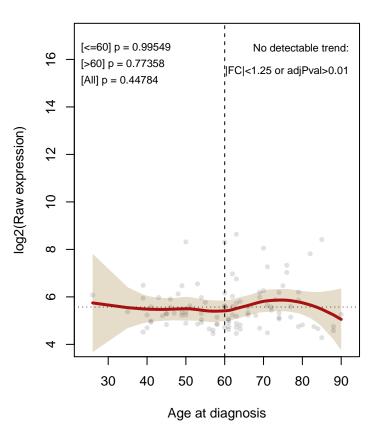






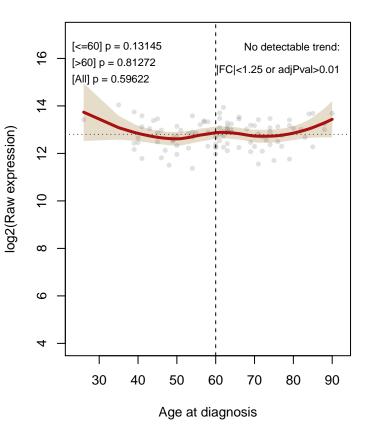
FOSL1 (non-ER binding)

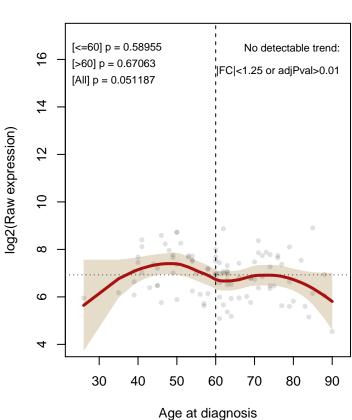


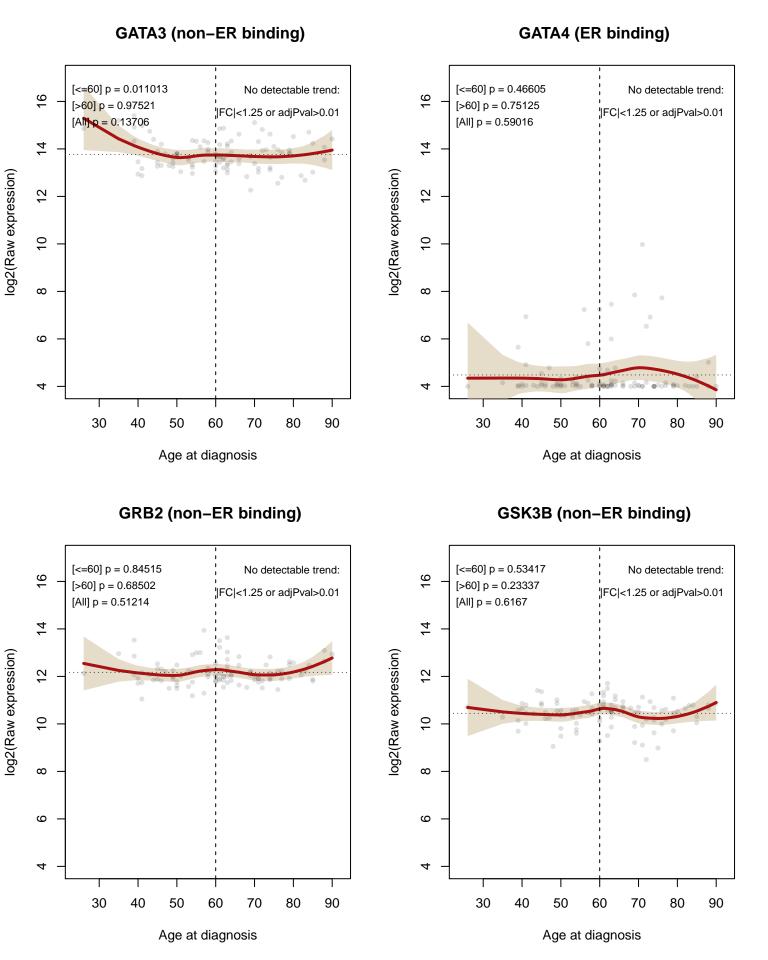


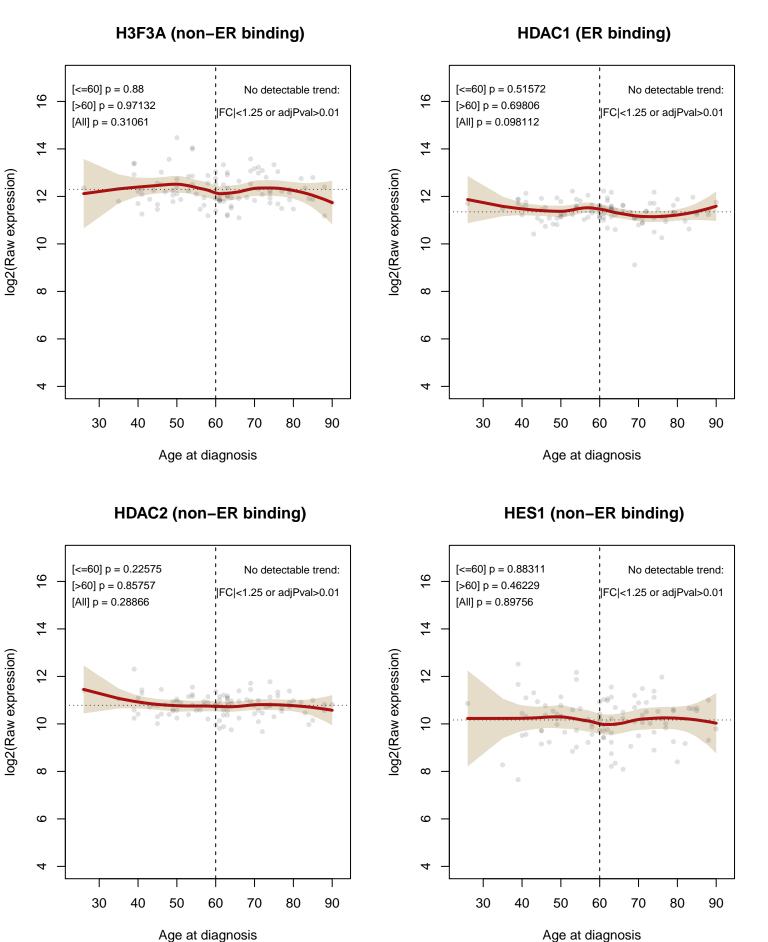
FOXA1 (ER binding)

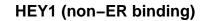
FOXC1 (ER binding)



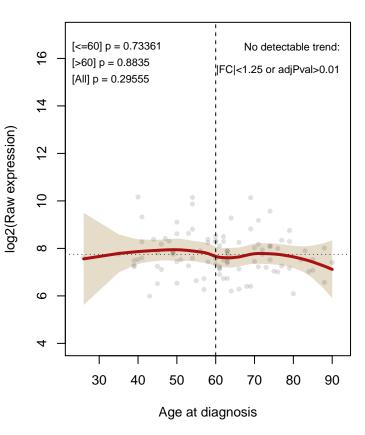


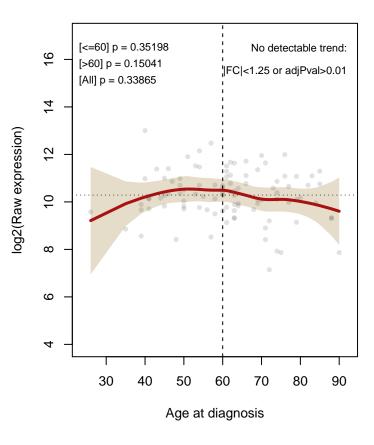






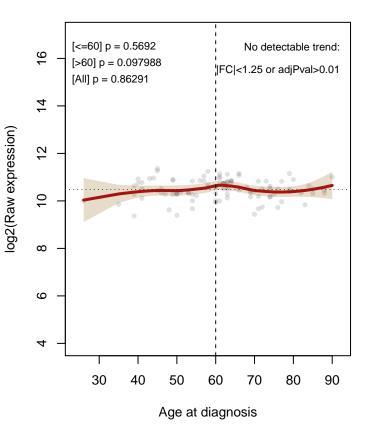
HIF1A (non-ER binding)

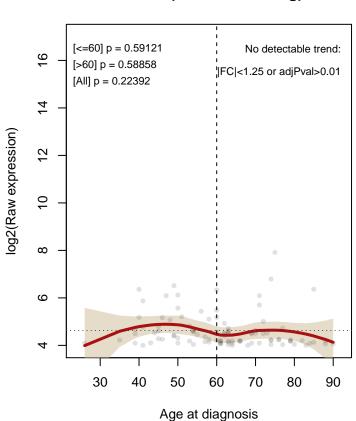




HIF1AN (non-ER binding)

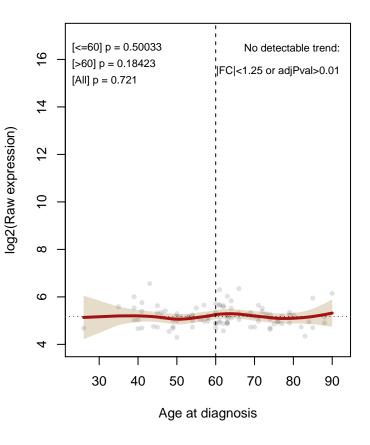
HIF3A (non-ER binding)

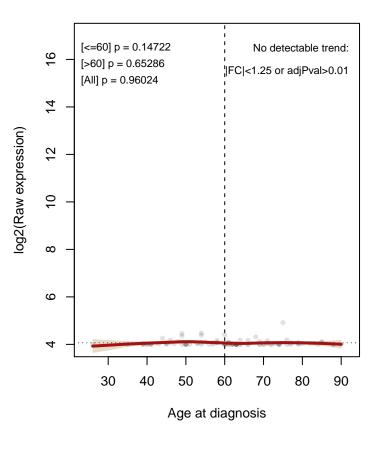




HNF1A (non-ER binding)

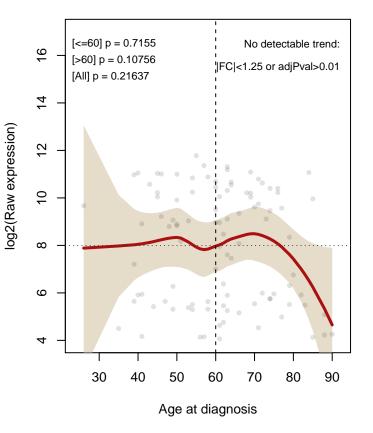
HNF1B (non-ER binding)

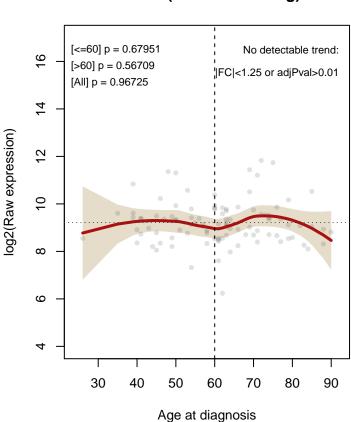




HOXC10 (non-ER binding)

HRAS (non-ER binding)





HSPB1 (non-ER binding) IGF1R (ER binding) [<=60] p = 0.18721 No detectable trend: [<=60] p = 0.10765 No detectable trend: 16 16 [>60] p = 0.5615 [>60] p = 0.4845 FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.5507[AII] p = 0.706724 4 log2(Raw expression) log2(Raw expression) 12 12 10 10 ω ∞ 9 9 30 40 50 70 80 90 30 40 50 60 70 80 90 60 Age at diagnosis Age at diagnosis IGFBP2 (non-ER binding) **IKBKB (ER binding)** [<=60] p = 0.48148No detectable trend: [<=60] p = 0.81323No detectable trend: 16 16 [>60] p = 0.98478 [>60] p = 0.76062 FC|<1.25 or adjPval>0.01 FC|<1.25 or adjPval>0.01 [All] p = 0.59447[All] p = 0.718084 4 log2(Raw expression) log2(Raw expression) 12 12 10 10 ∞ ∞

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Age at diagnosis

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Age at diagnosis

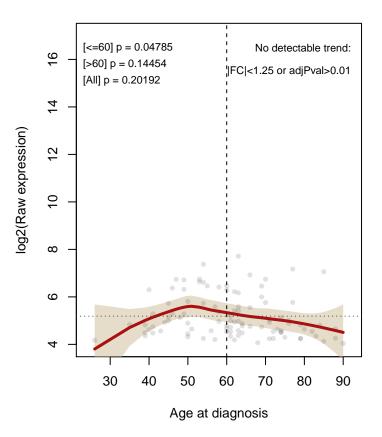
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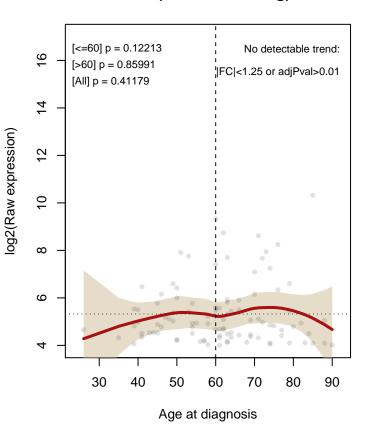
| Case (ER binding) | Case | C

IL2RA (non-ER binding)

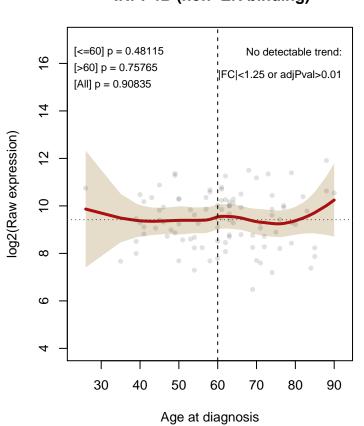


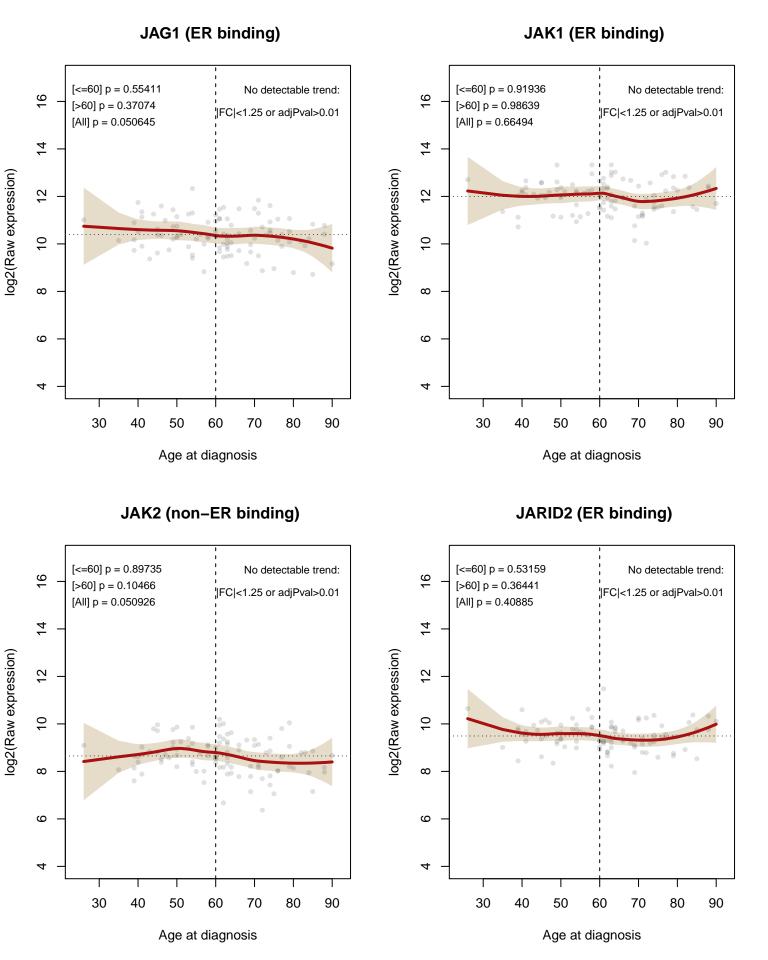
IL6 (non-ER binding)

Age at diagnosis

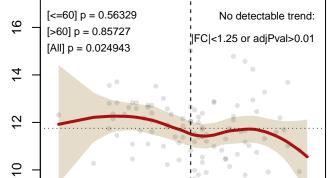


INPP4B (non-ER binding)





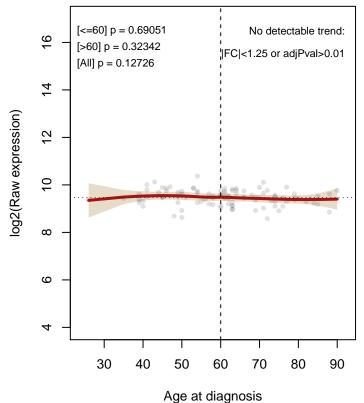


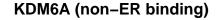


log2(Raw expression)

 ∞

KDM2B (non-ER binding)



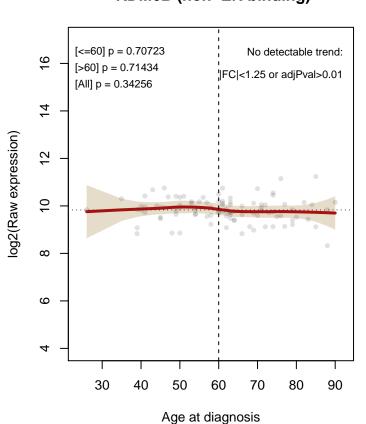


Age at diagnosis

[<=60] p = 0.77105No detectable trend: [>60] p = 0.65156 FC|<1.25 or adjPval>0.01 [All] p = 0.6192log2(Raw expression) ω

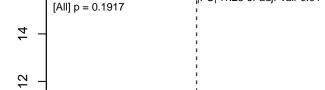
Age at diagnosis

KDM6B (non-ER binding)

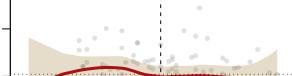








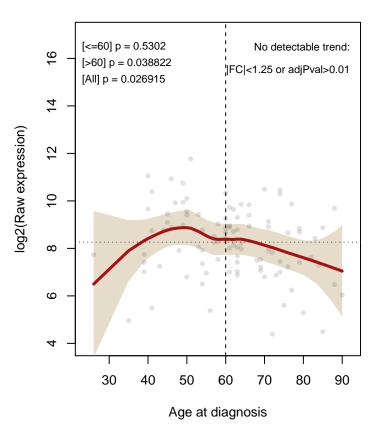
log2(Raw expression)



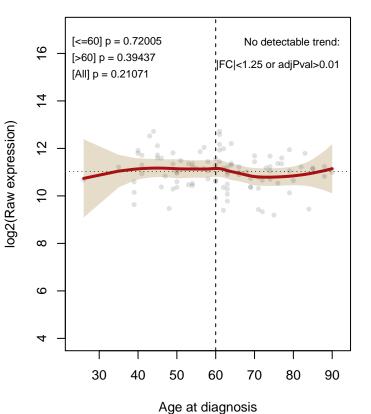


Age at diagnosis

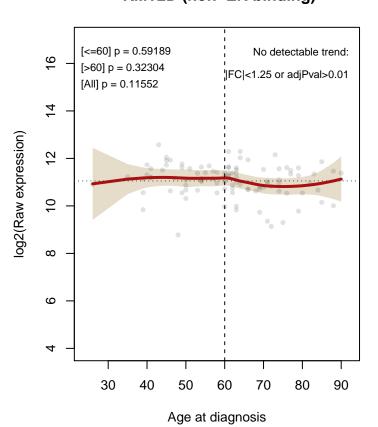
KIT (non-ER binding)

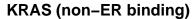


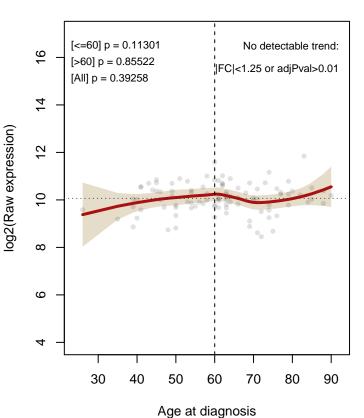
KMT2C (non-ER binding)



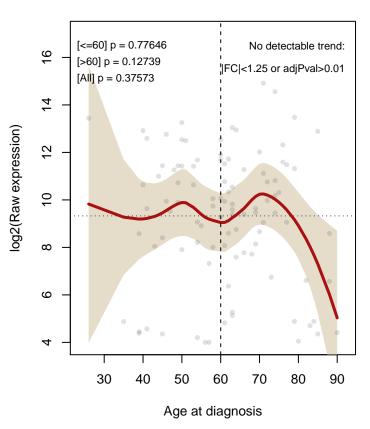
KMT2D (non-ER binding)



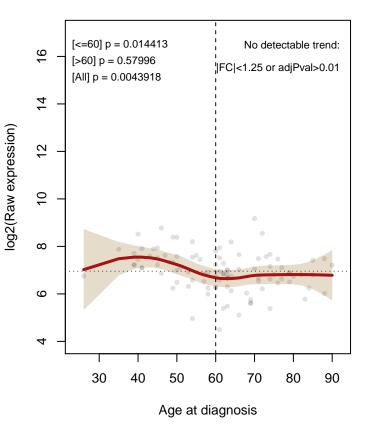




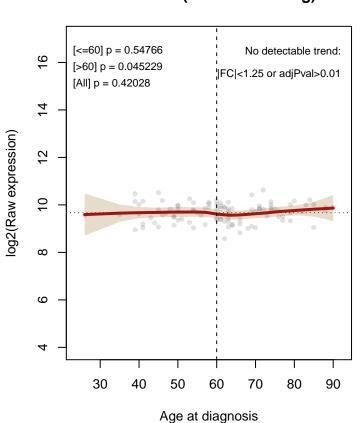
KRT5 (non-ER binding)



L3MBTL1 (non-ER binding)

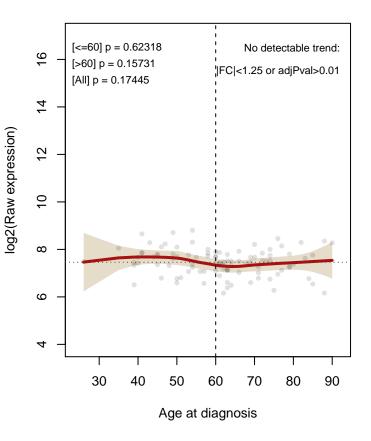


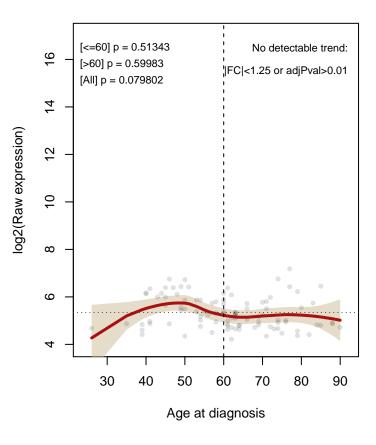
L3MBTL2 (non-ER binding)



L3MBTL3 (ER binding)

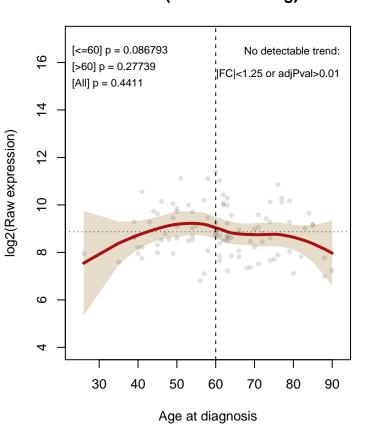
L3MBTL4 (non-ER binding)

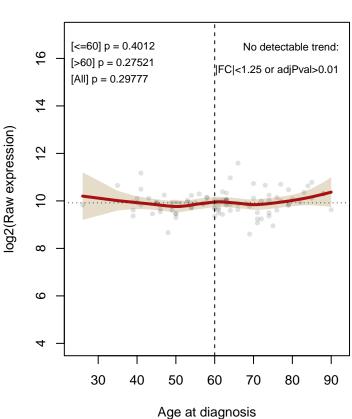




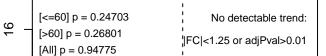
LEF1 (non-ER binding)

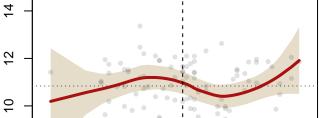
MAP2K1 (non-ER binding)





MAP3K1 (non-ER binding)







log2(Raw expression)

Age at diagnosis

50

30

40

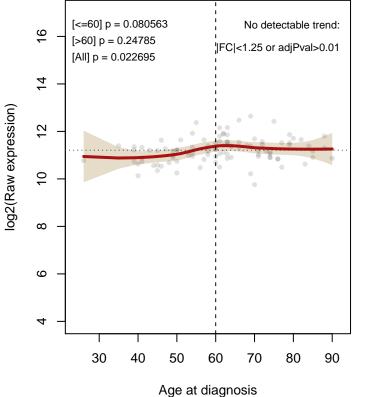
MAPK3 (non-ER binding)

60

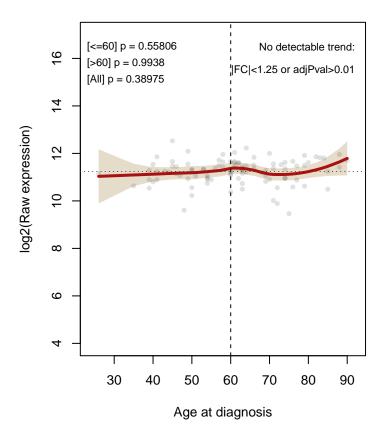
70

80

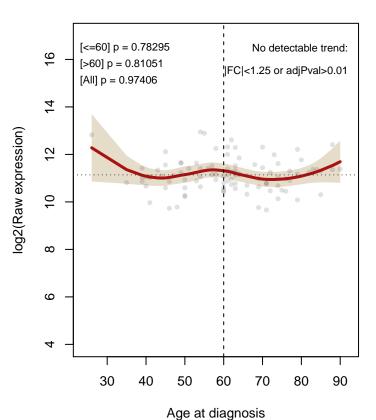
90



MAPK1 (non-ER binding)

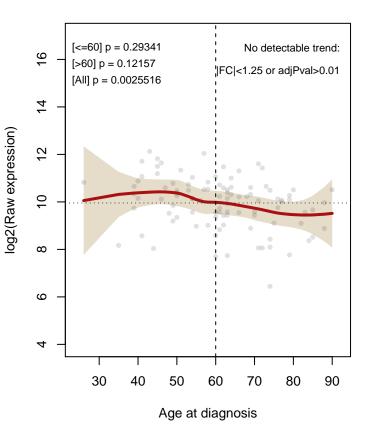


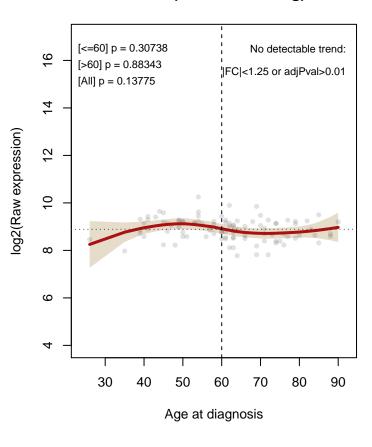
MDM2 (non-ER binding)





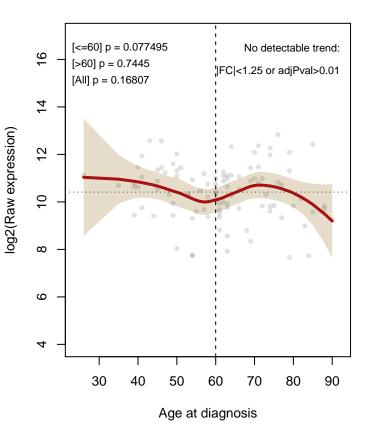
MTF2 (non-ER binding)

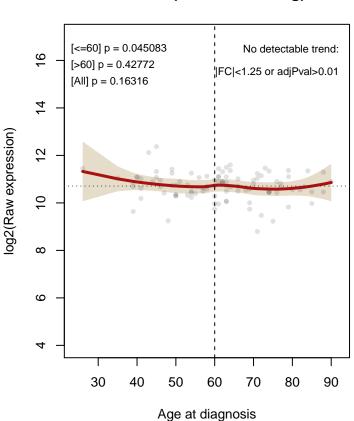


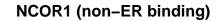


MYC (non-ER binding)

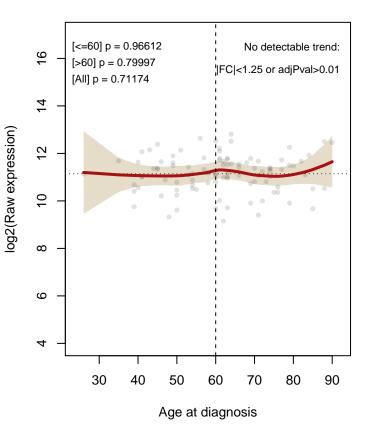
NCOA6 (non-ER binding)

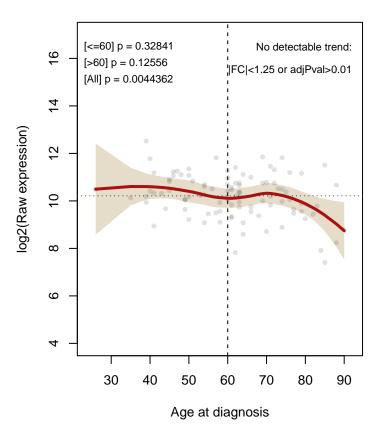






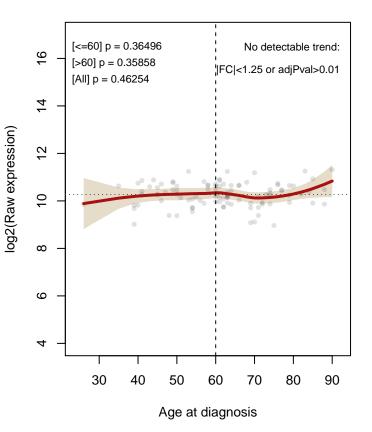
NES (non-ER binding)

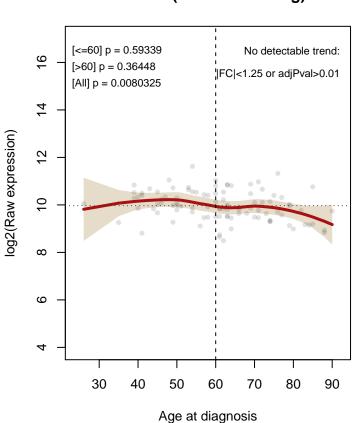




NFKB1 (non-ER binding)

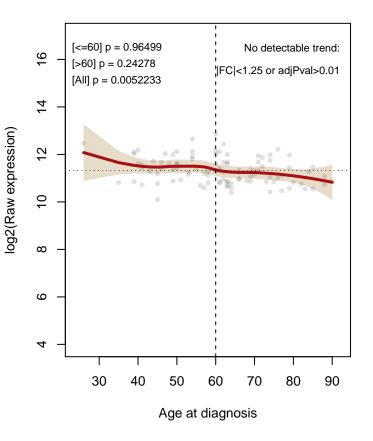
NFKB2 (non-ER binding)

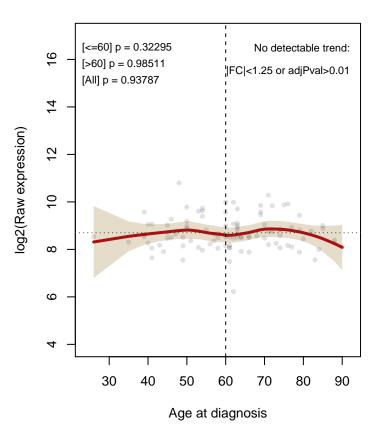




NFKBIA (non-ER binding)

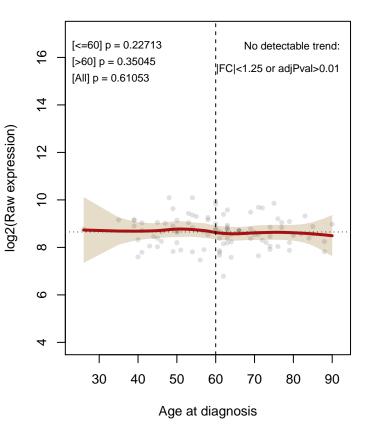
NFKBIB (non-ER binding)

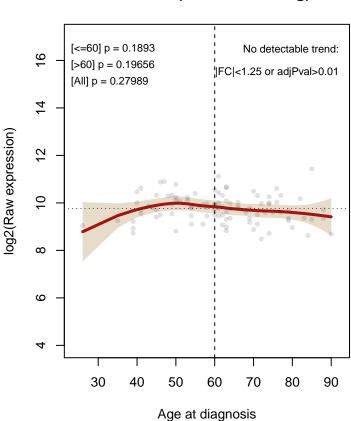




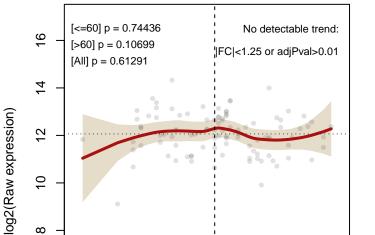
NFKBIE (non-ER binding)

NOTCH1 (non-ER binding)





NOTCH2 (non-ER binding)



ω

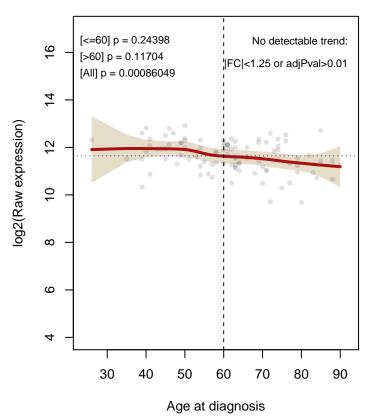
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NOTCH3 (non-ER binding)



NOTCH4 (non-ER binding)

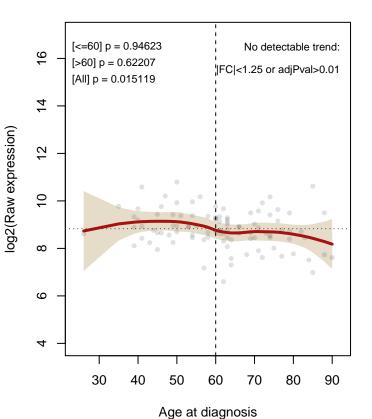
Age at diagnosis

60

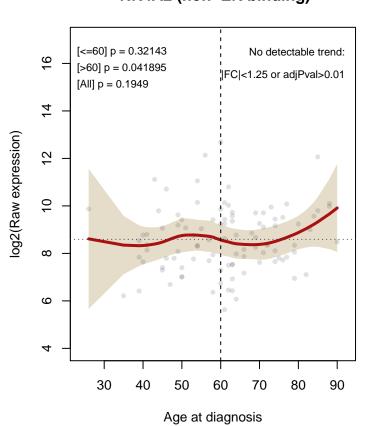
70

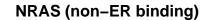
80

90

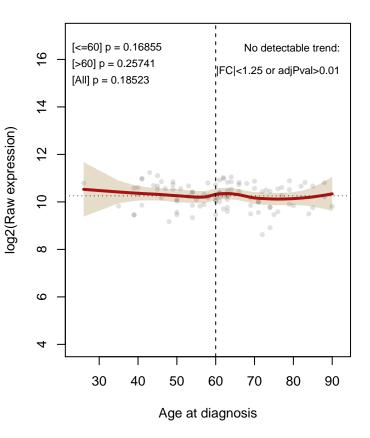


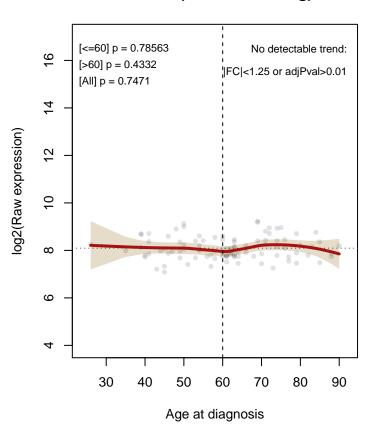
NR4A2 (non-ER binding)





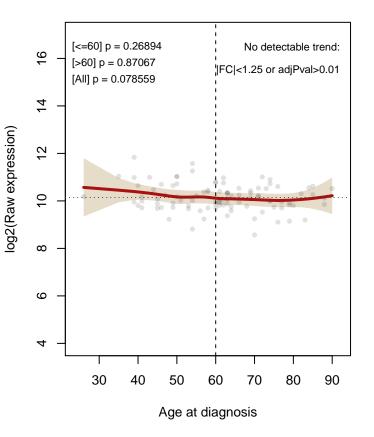
PCGF1 (non-ER binding)

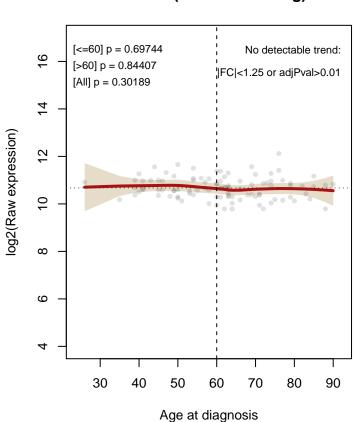


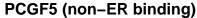


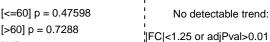
PCGF2 (non-ER binding)

PCGF3 (non-ER binding)







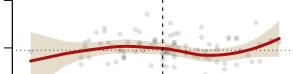




ω

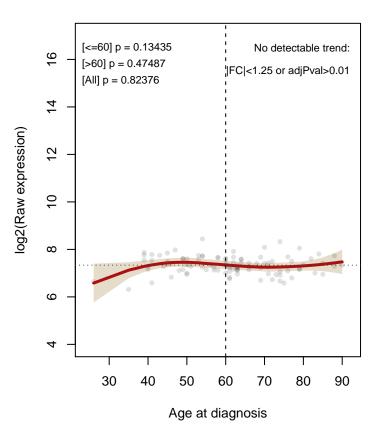
log2(Raw expression)

log2(Raw expression)



Age at diagnosis

PCGF6 (non-ER binding)

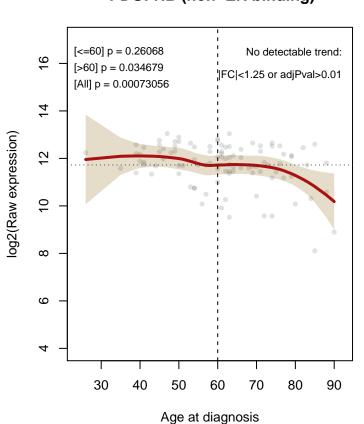


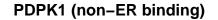
PDGFRA (non-ER binding)

[<=60] p = 0.87017No detectable trend: [>60] p = 0.0020993 FC|<1.25 or adjPval>0.01 [AII] p = 0.00079446ω

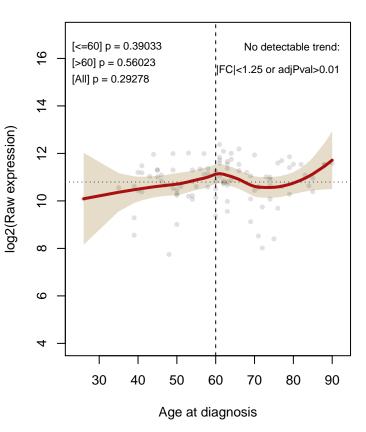
Age at diagnosis

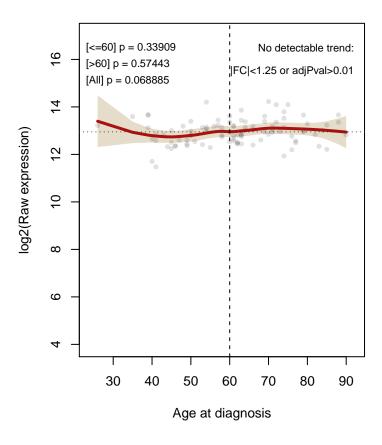
PDGFRB (non-ER binding)





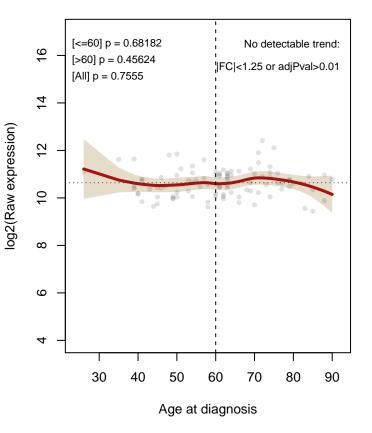
PEBP1 (non-ER binding)

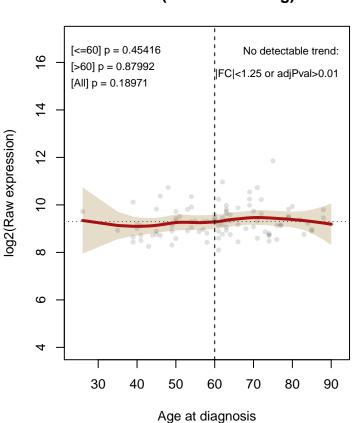


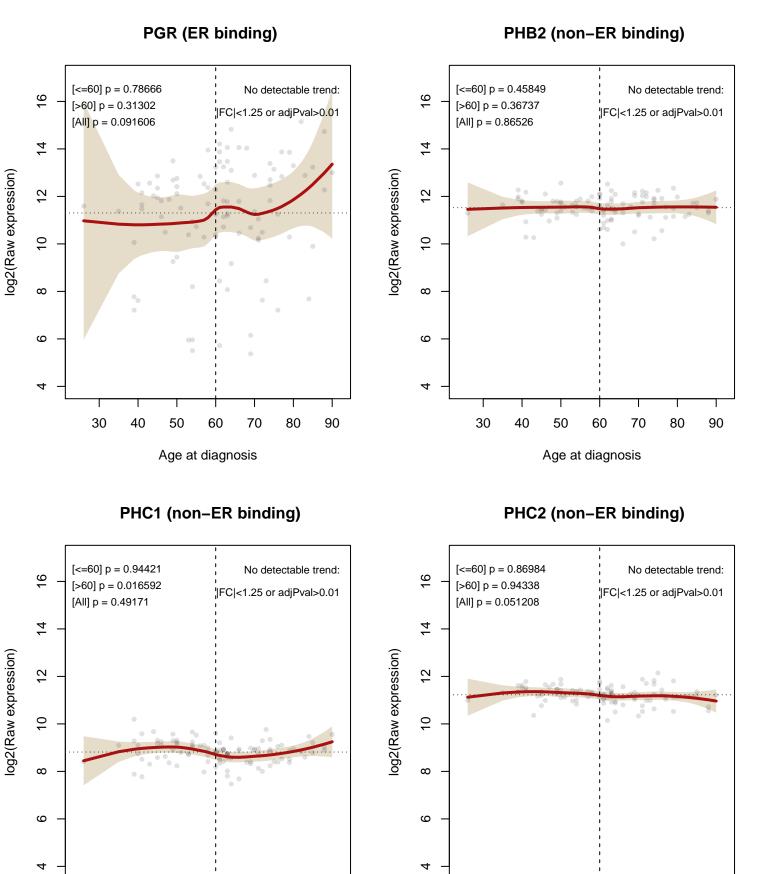


PELP1 (non-ER binding)

PGP (non-ER binding)



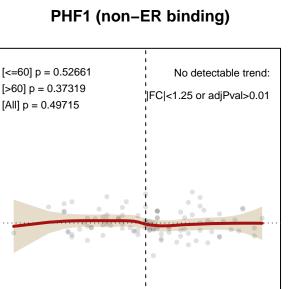


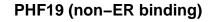


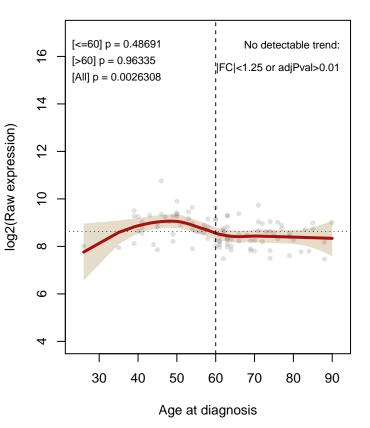
Age at diagnosis

Age at diagnosis

PHC3 (non-ER binding) [<=60] p = 0.81055No detectable trend: [>60] p = 0.43863 FC|<1.25 or adjPval>0.01 [All] p = 0.63663log2(Raw expression) log2(Raw expression) ω ω Age at diagnosis

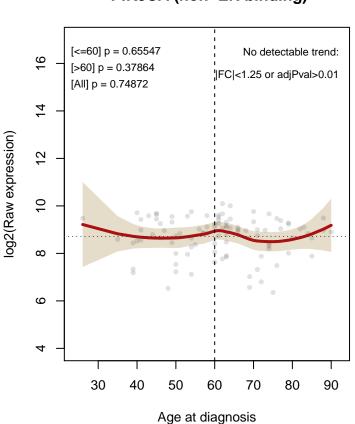






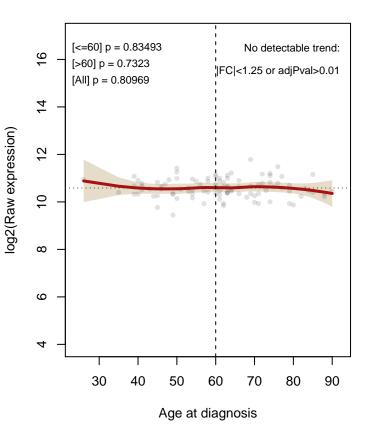
PIK3CA (non-ER binding)

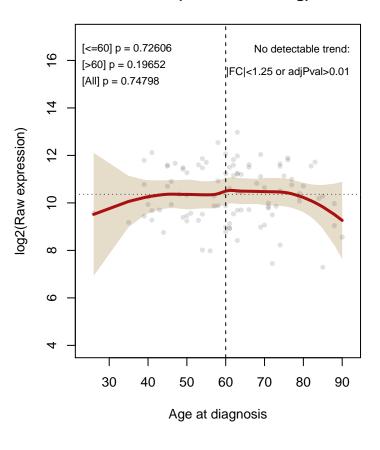
Age at diagnosis





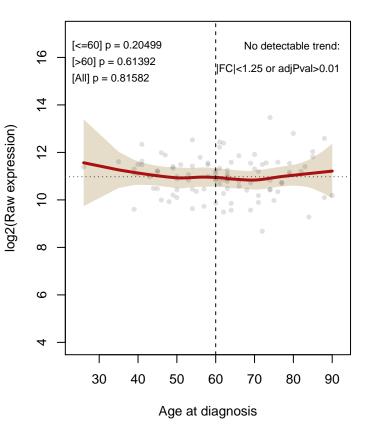
PLAU (non-ER binding)

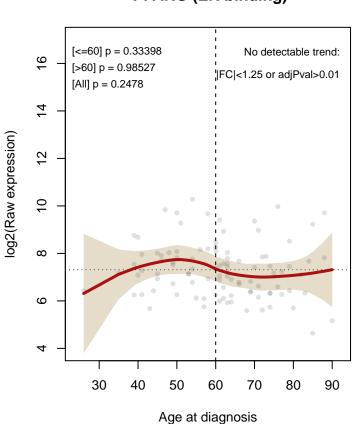


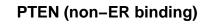


PODXL (non-ER binding)

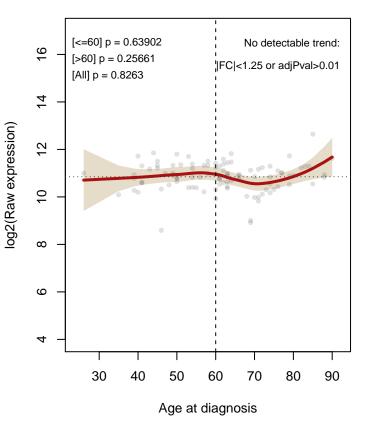
PPARG (ER binding)

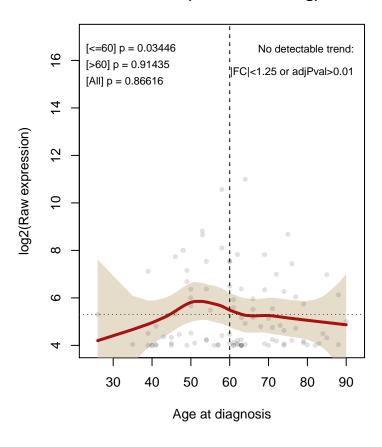






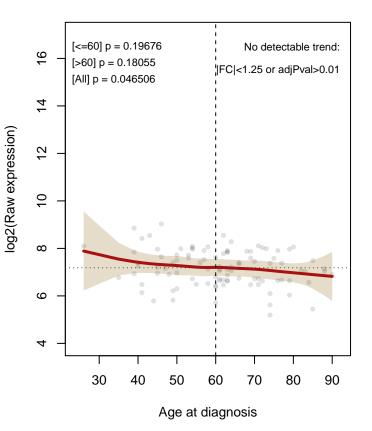
PYDC1 (non-ER binding)

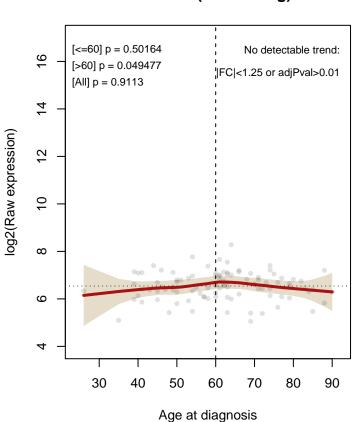




RAD51 (non-ER binding)

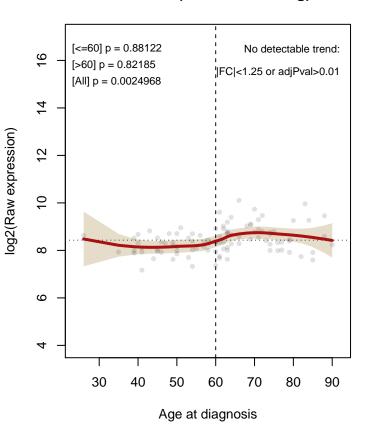
RAD51B (ER binding)

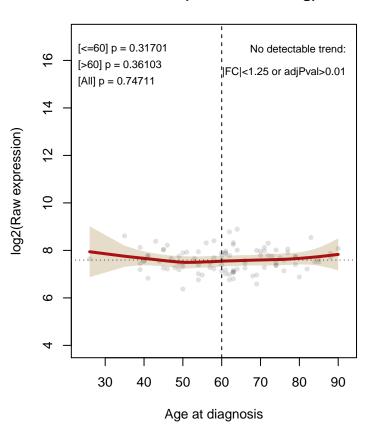




RAD51C (non-ER binding)

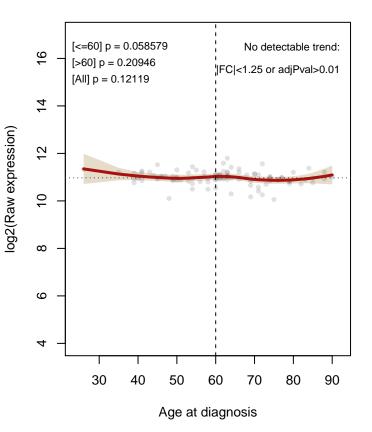
RAD51D (non-ER binding)

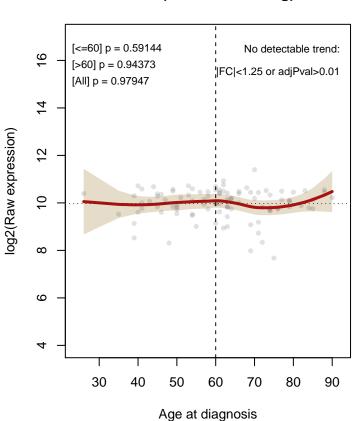


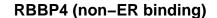


RAF1 (non-ER binding)

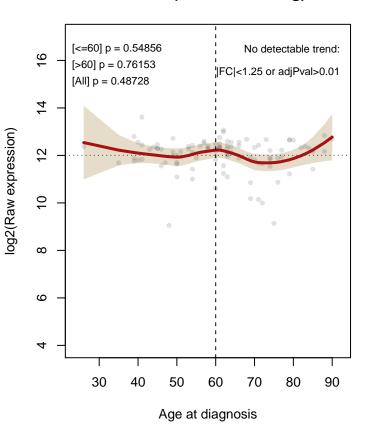
RB1 (non-ER binding)

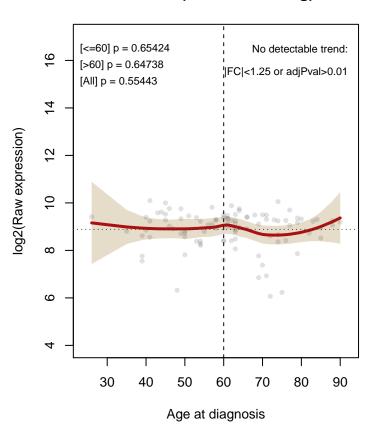






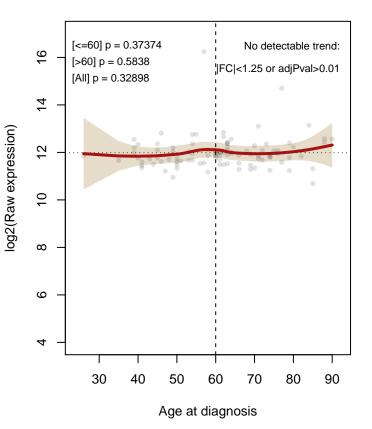
RBBP5 (non-ER binding)

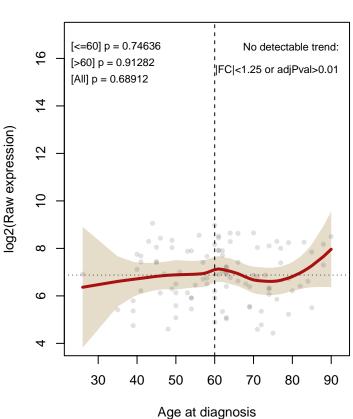


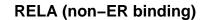


RBBP7 (non-ER binding)

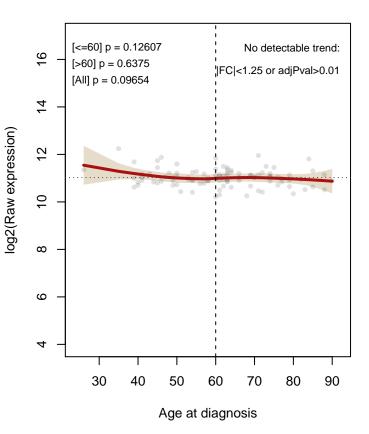
REL (non-ER binding)

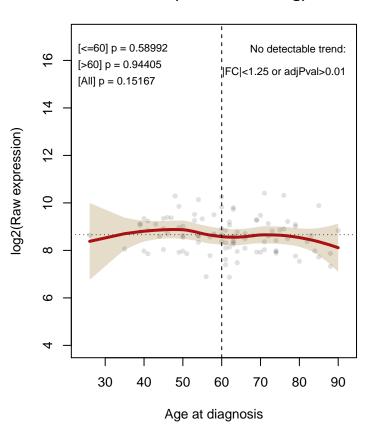






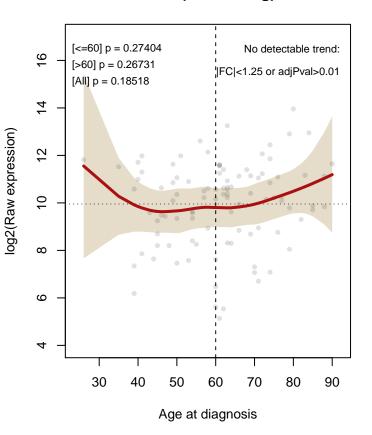
RELB (non-ER binding)

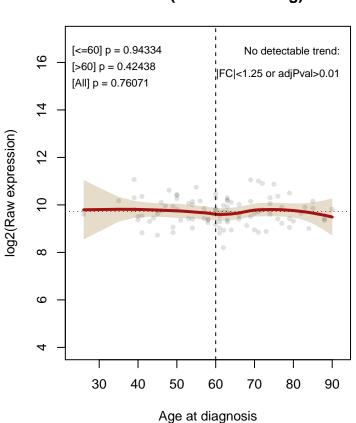


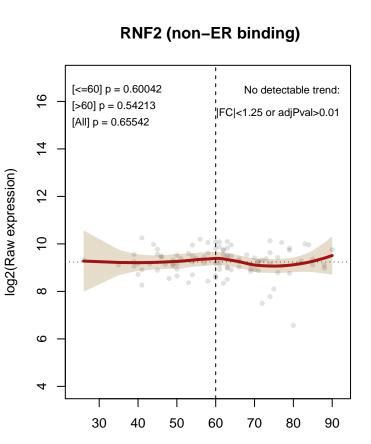


RET (ER binding)

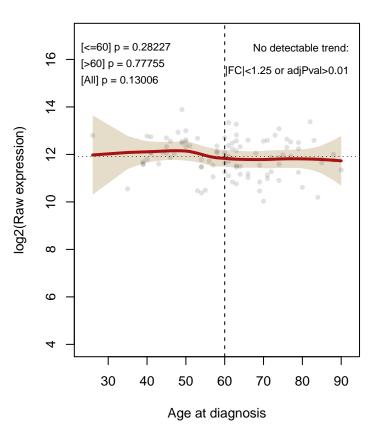
RING1 (non-ER binding)





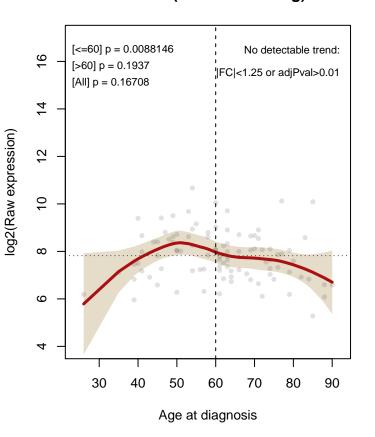


RUNX1 (ER binding)

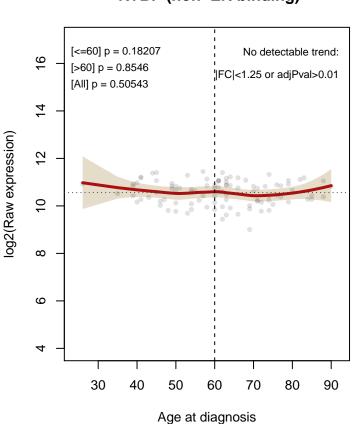


RUNX3 (non-ER binding)

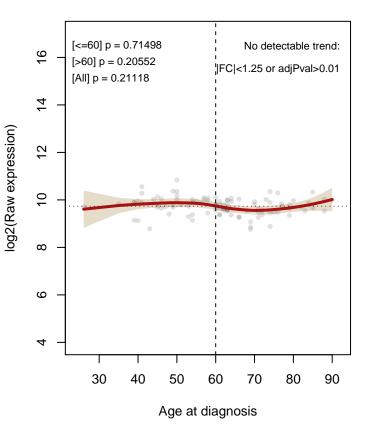
Age at diagnosis

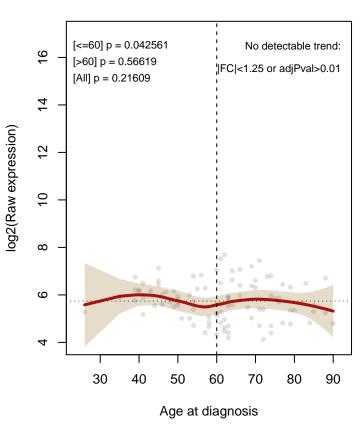


RYBP (non-ER binding)



SCMH1 (non-ER binding)

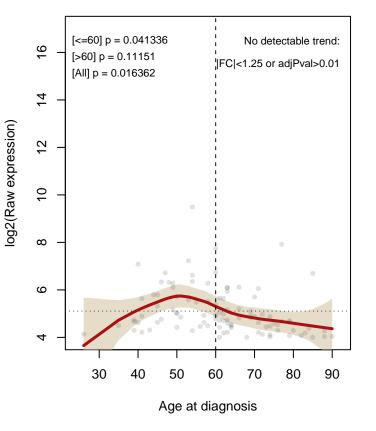


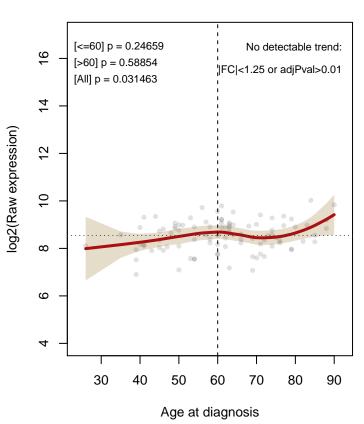


SCML2 (non-ER binding)

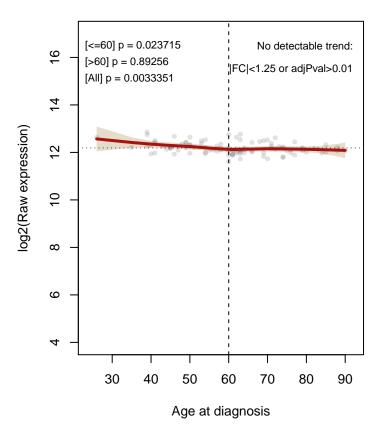
SCML4 (non-ER binding)

SFMBT1 (ER binding)



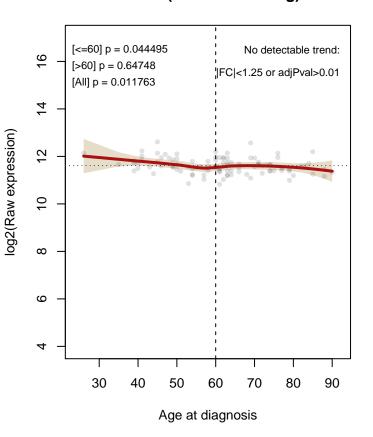


SFPQ (non-ER binding)

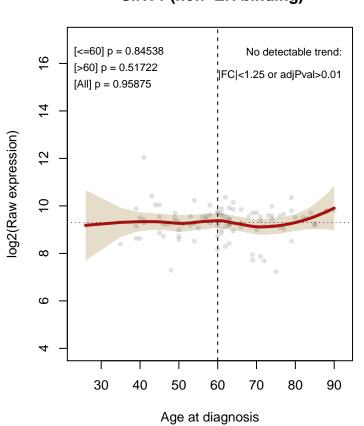


SHC1 (non-ER binding)

Age at diagnosis

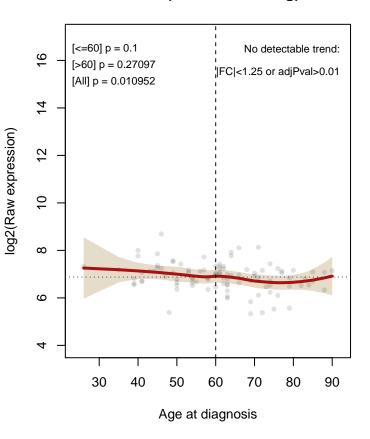


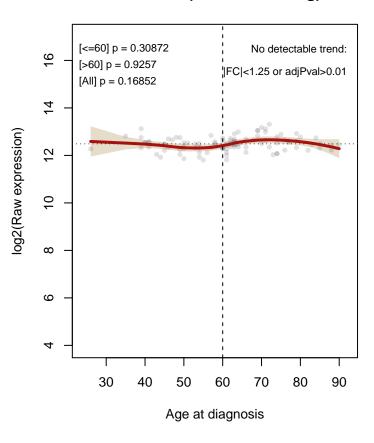
SIRT1 (non-ER binding)



SKP2 (non-ER binding)

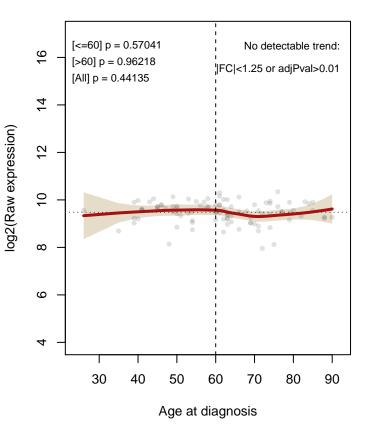
SLC25A3 (non-ER binding)

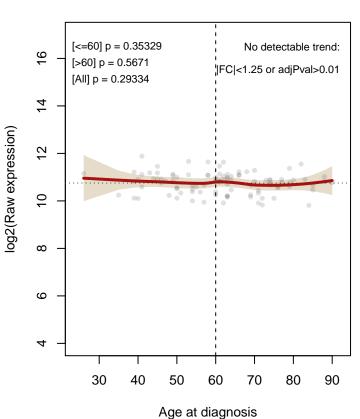




SMAD1 (non-ER binding)

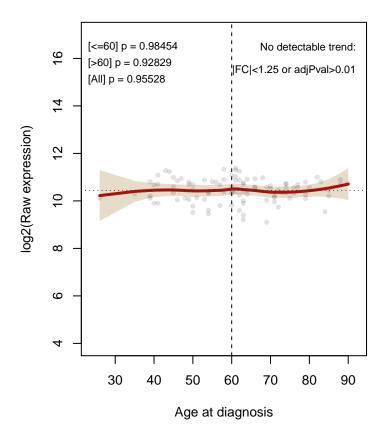
SMAD2 (non-ER binding)

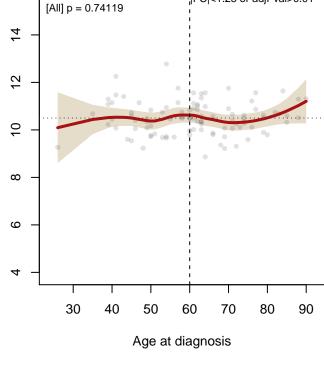




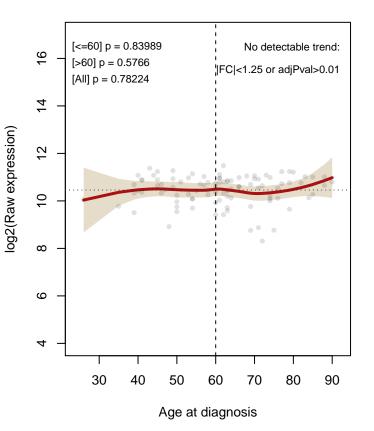
SMAD3 (ER binding) [<=60] p = 0.93064No detectable trend: 16 [>60] p = 0.62695 |FC|<1.25 or adjPval>0.01 [All] p = 0.741194 log2(Raw expression) 12

SMAD4 (non-ER binding)

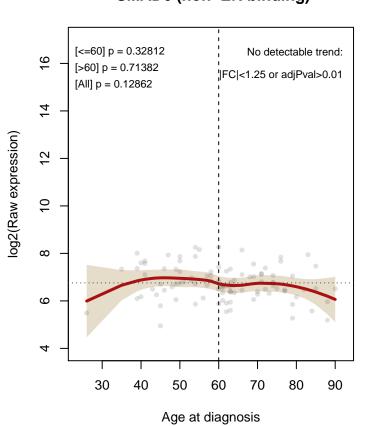


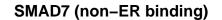


SMAD5 (non-ER binding)

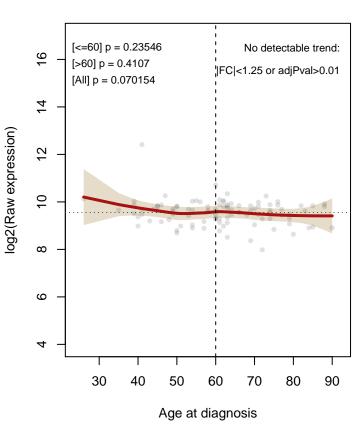


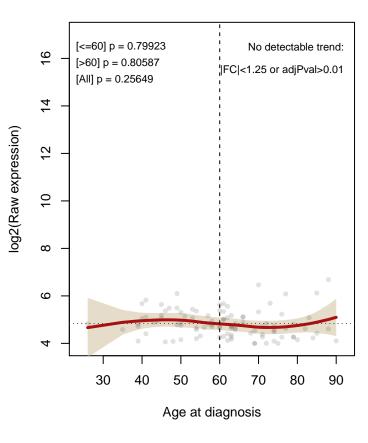
SMAD6 (non-ER binding)





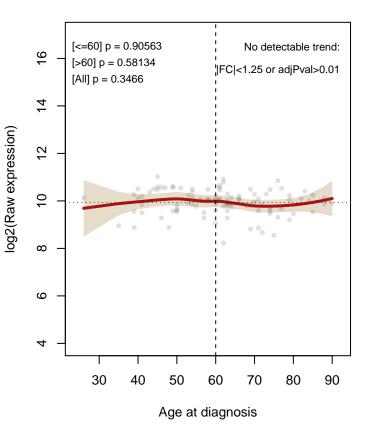
SMAD9 (non-ER binding)

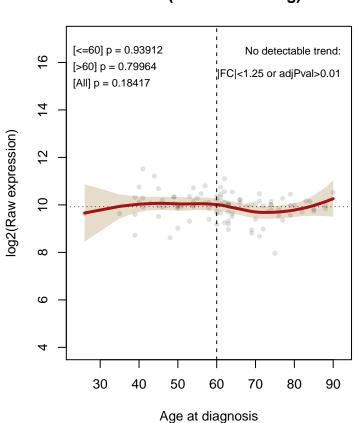


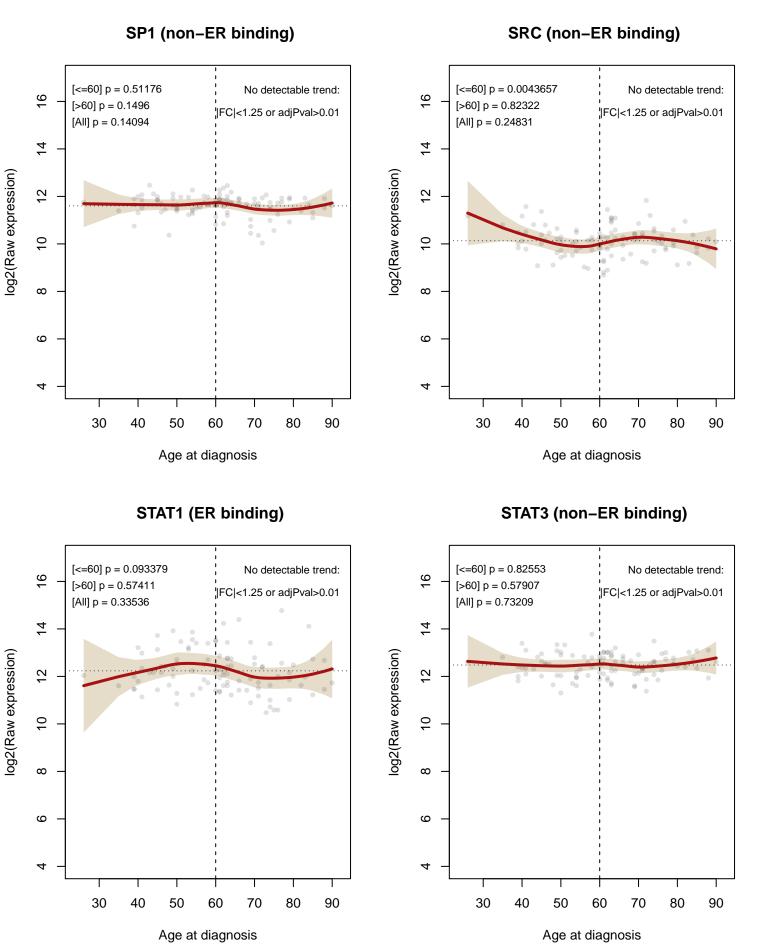


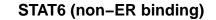
SOS1 (non-ER binding)

SOS2 (non-ER binding)

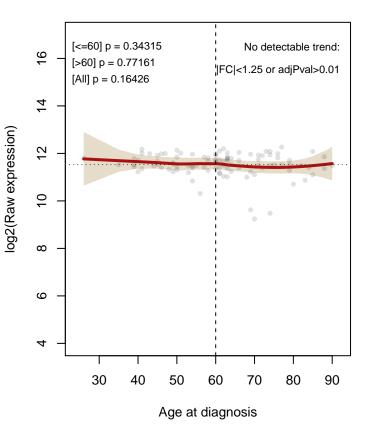


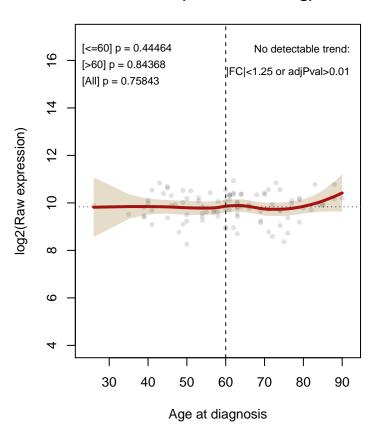






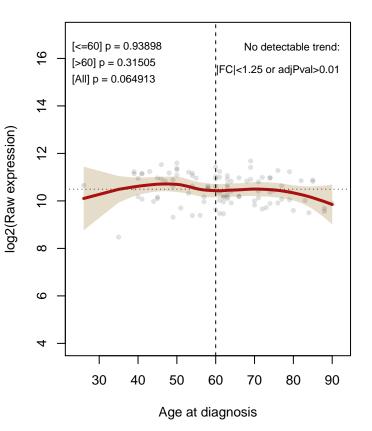
SUZ12 (non-ER binding)

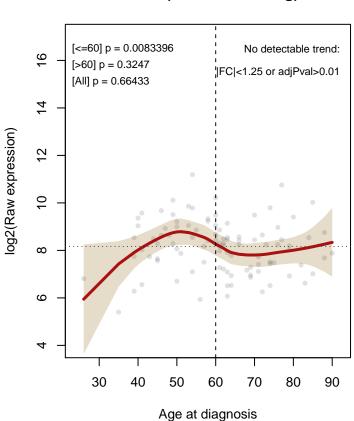




TCF3 (non-ER binding)

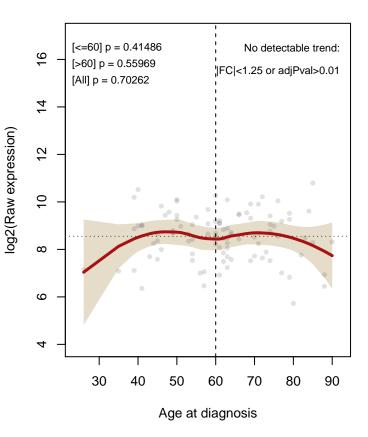
TCF7 (non-ER binding)

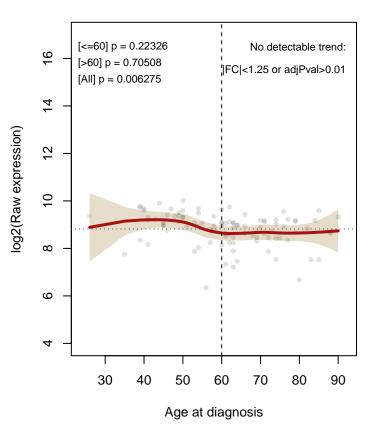






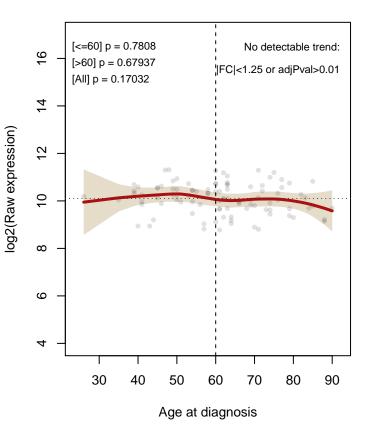
TCF7L2 (non-ER binding)

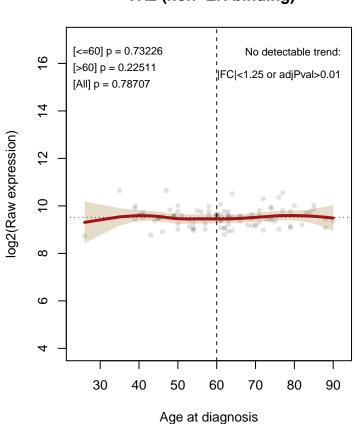


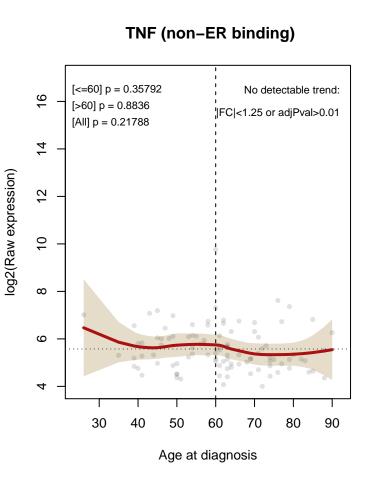


TGFB1 (non-ER binding)

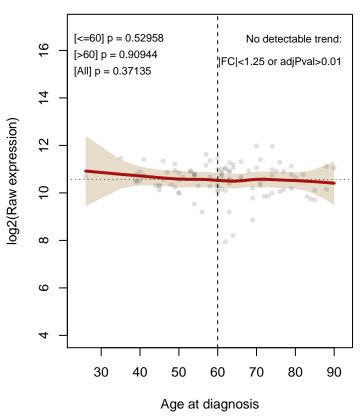
TK2 (non-ER binding)



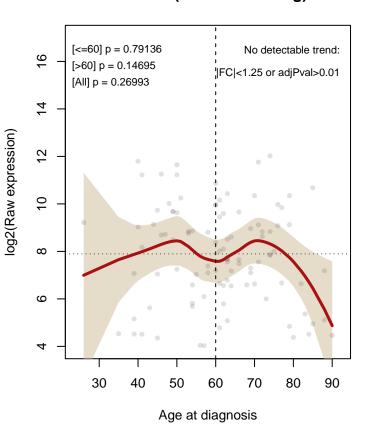




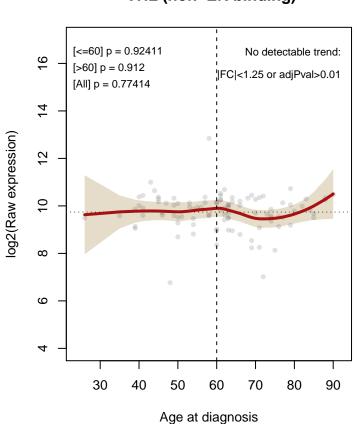
TP53 (non-ER binding)



TRIM29 (non-ER binding)

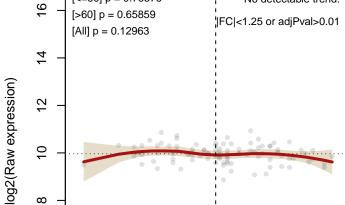


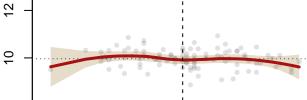
VHL (non-ER binding)





[<=60] p = 0.76576No detectable trend:







50

30

40

Age at diagnosis

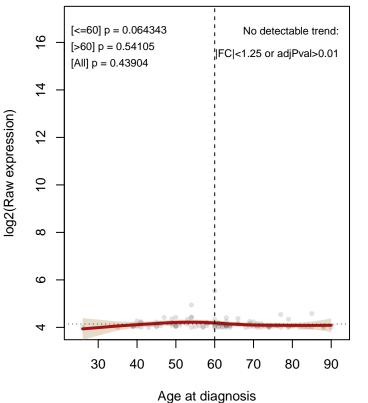
WNT1 (non-ER binding)

60

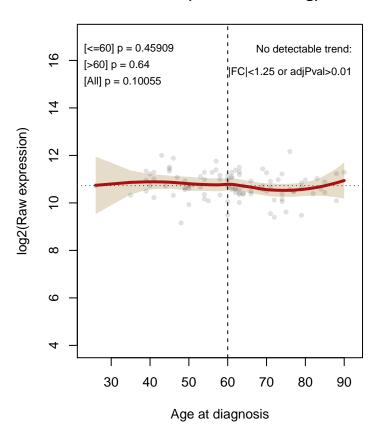
70

80

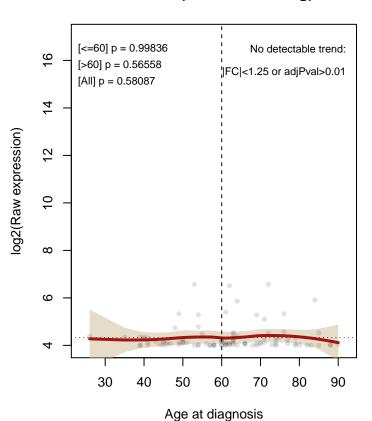
90



WHSC1 (non-ER binding)

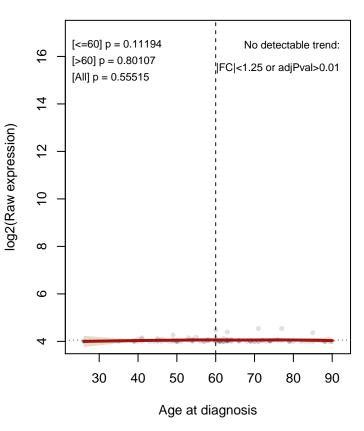


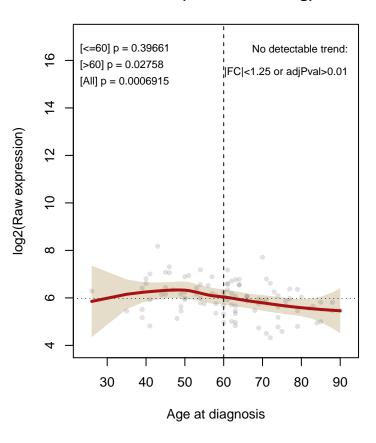
WNT3A (non-ER binding)





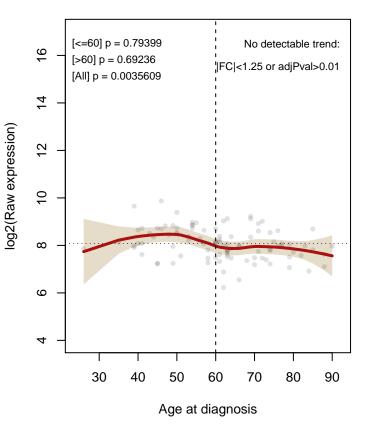
XRCC2 (non-ER binding)

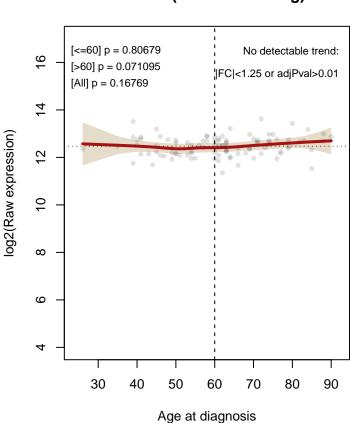




XRCC3 (non-ER binding)

XRCC6 (non-ER binding)





YAF2 (non-ER binding)

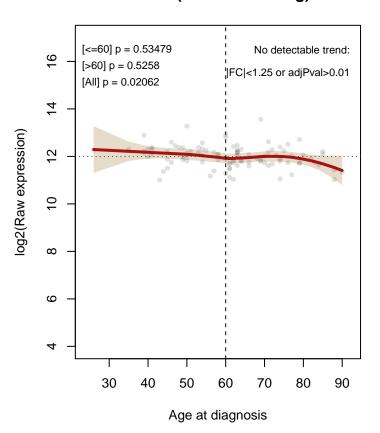
| Color | Colo

30

40

50

YBX1 (non-ER binding)



YY1 (non-ER binding)

Age at diagnosis

60

70

80

90

