

ASXL3 (non-ER binding) ATM (non-ER binding) [<=60] p = 0.21325No detectable trend: [<=60] p = 0.49291No detectable trend: 16 16 [>60] p = 0.87501 [>60] p = 0.13774 FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [All] p = 0.31398[All] p = 0.118694 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 ATR (non-ER binding) **AXIN1 (ER binding)** [<=60] p = 0.10275No detectable trend: [<=60] p = 0.66325No detectable trend: 16 16 [>60] p = 0.36718 [>60] p = 0.00012877 FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [All] p = 0.24535[All] p = 0.239694 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

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BCL2 (non-ER binding) BCL3 (non-ER binding) [<=60] p = 0.53054No detectable trend: [<=60] p = 0.53192No detectable trend: 16 16 [>60] p = 0.90639 [>60] p = 0.81381 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.8015[All] p = 0.103174 4 log2(Raw expression) log2(Raw expression) 12 12 10 10 ∞ ω 9 9 30 40 50 60 70 80 90 30 40 50 60 70 80 90 Age at diagnosis Age at diagnosis BIRC5 (non-ER binding) **BMI1 (non-ER binding)** [<=60] p = 0.93896No detectable trend: [<=60] p = 0.33714No detectable trend: 16 16 [>60] p = 0.12116 [>60] p = 0.81373 FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [All] p = 0.18322[All] p = 0.366944 4 log2(Raw expression) log2(Raw expression) 12 12 19 10

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Age at diagnosis

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ω

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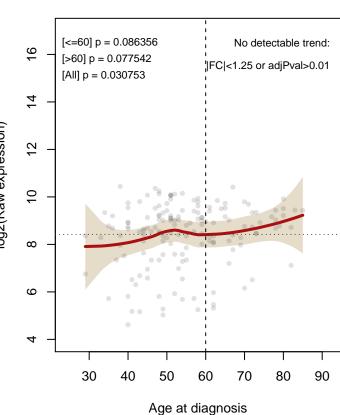
Age at diagnosis

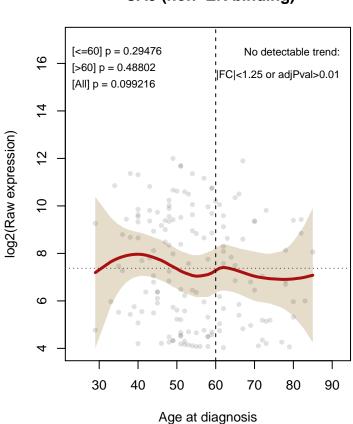
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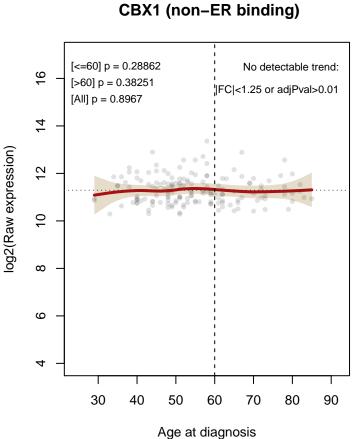
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BMX (non-ER binding) **BRCA1** (non-ER binding) [<=60] p = 0.85384No detectable trend: 16 16 [>60] p = 0.1325 FC|<1.25 or adjPval>0.01 [All] p = 0.62567[All] p = 0.0307534 4 log2(Raw expression) log2(Raw expression) 12 12 10 10 ∞ ∞ 9 9 30 40 50 60 70 80 90 30 40 Age at diagnosis CA9 (non-ER binding)







CBX2 (non-ER binding) CBX4 (non-ER binding) [<=60] p = 0.52687No detectable trend: [<=60] p = 0.98846No detectable trend: 16 16 [>60] p = 0.52295 [>60] p = 0.089668FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.11144[All] p = 0.743914 4 log2(Raw expression) log2(Raw expression) 12 12 10 10 ω ω 9 9 30 40 50 60 70 80 90 30 40 50 60 70 80 90 Age at diagnosis Age at diagnosis CBX6 (non-ER binding) **CBX7 (non-ER binding)** [<=60] p = 0.55263No detectable trend: [<=60] p = 0.66268No detectable trend: 16 16 [>60] p = 0.85869 [>60] p = 0.15682 FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [All] p = 0.40457[All] p = 0.422384 4 log2(Raw expression) log2(Raw expression) 12 12 19 10 ∞ ω 9 9

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Age at diagnosis

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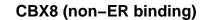
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Age at diagnosis

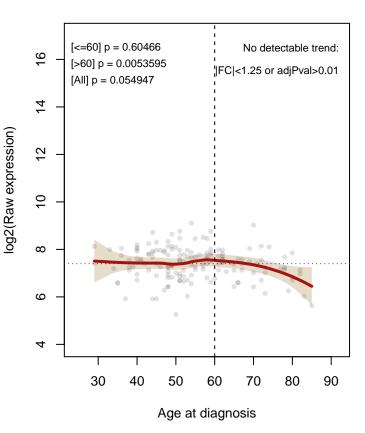
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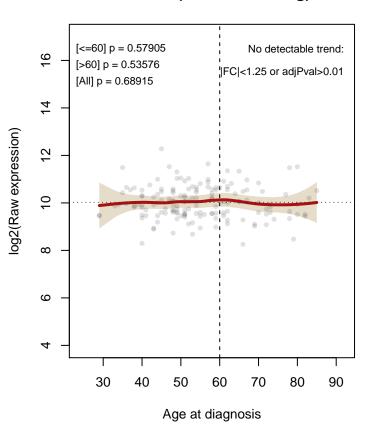
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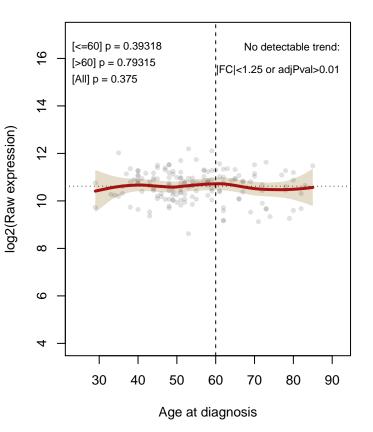
CCNA2 (non-ER binding)

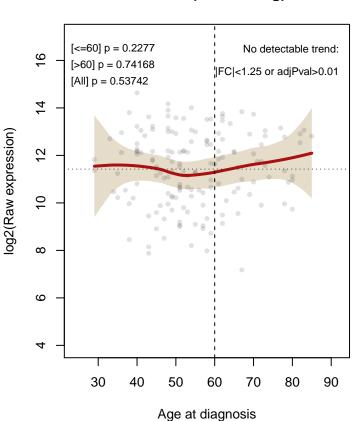




CCNB1 (non-ER binding)

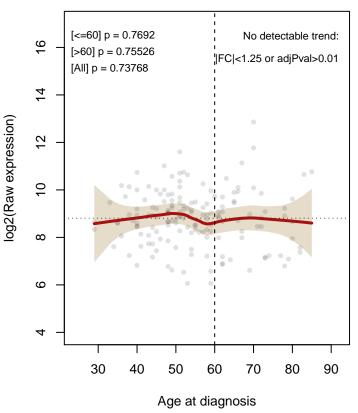
CCND1 (ER binding)

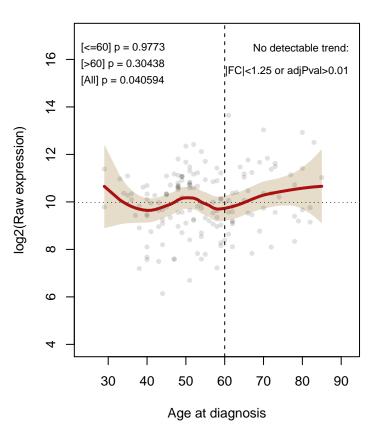






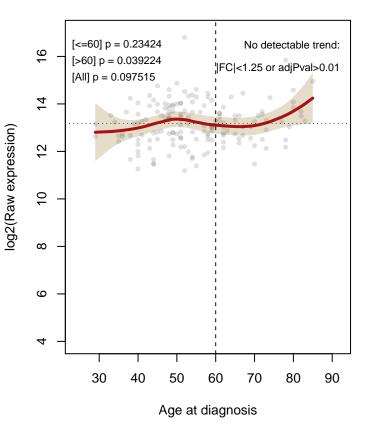
CD163 (non-ER binding)

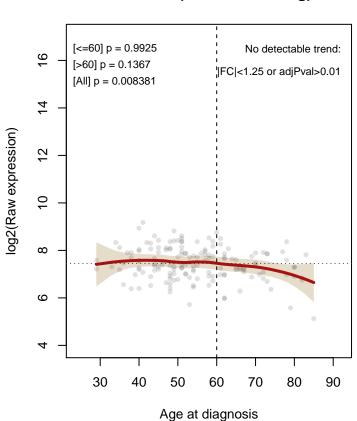


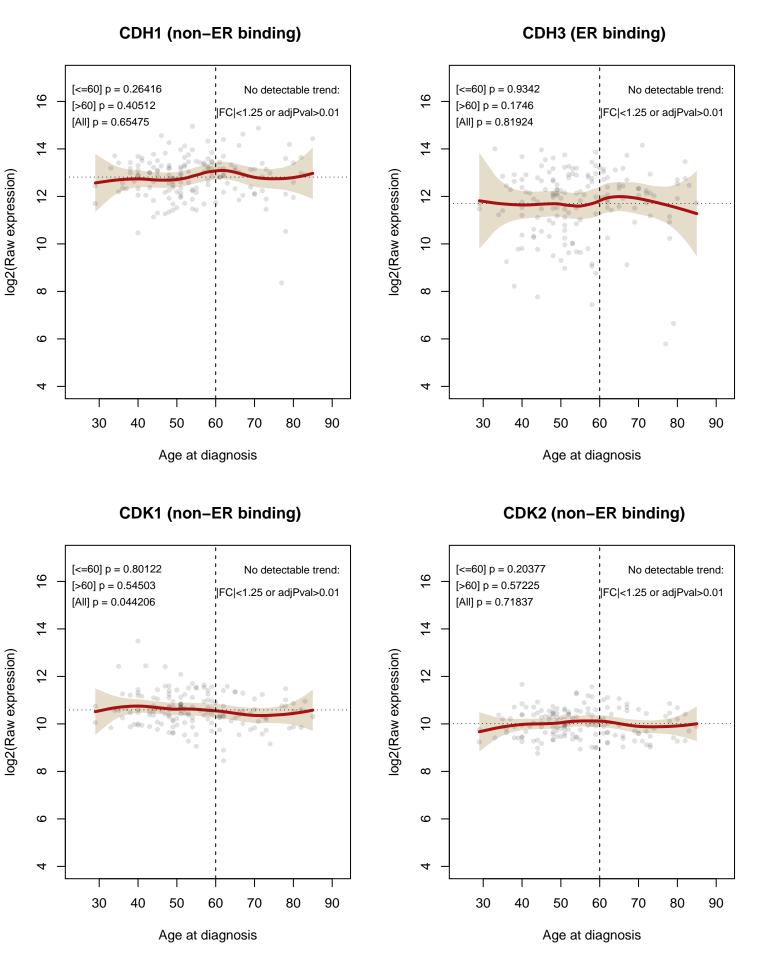


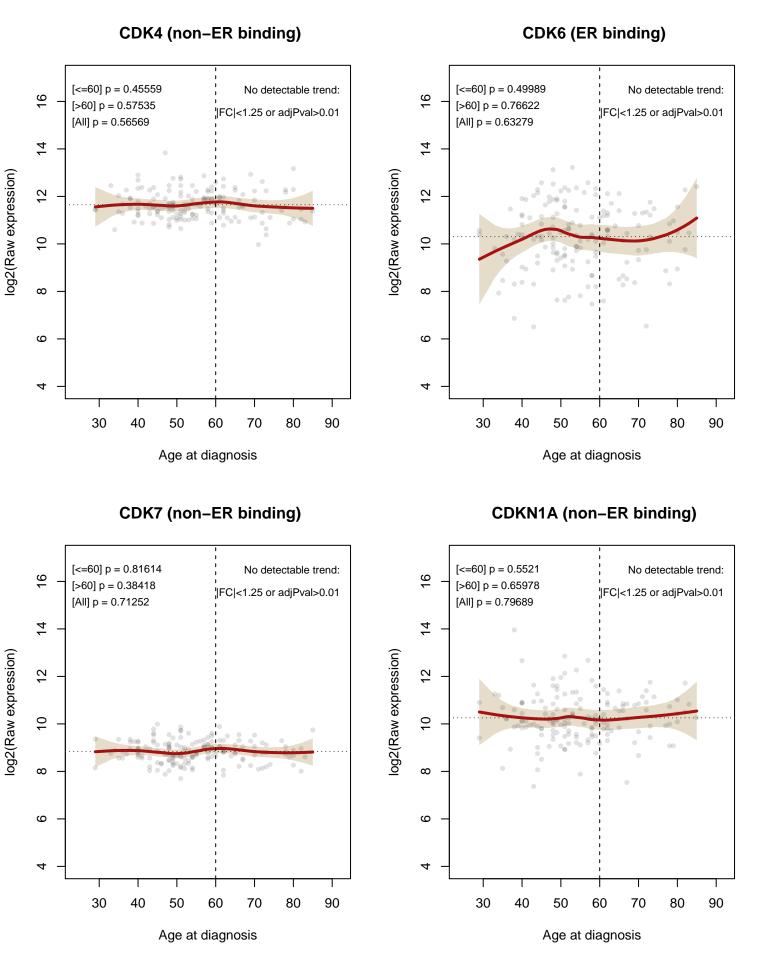
CD44 (non-ER binding)

CDC25C (non-ER binding)



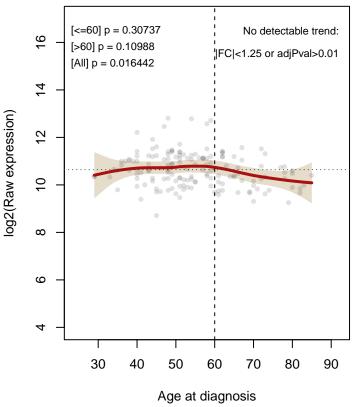


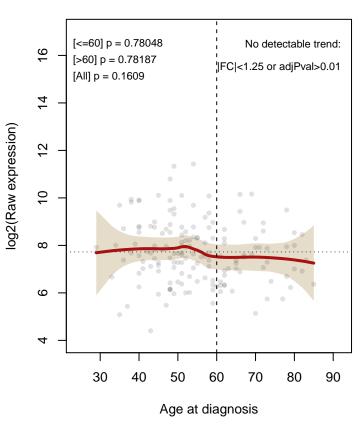




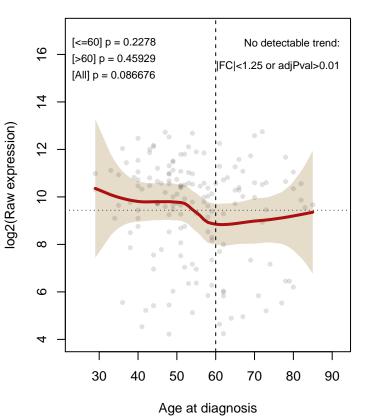
CDKN1B (non-ER binding)

CDKN1C (non-ER binding)

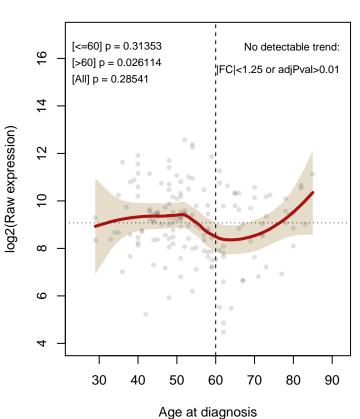




CDKN2A (non-ER binding)

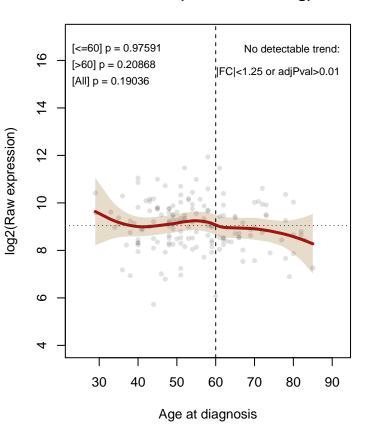


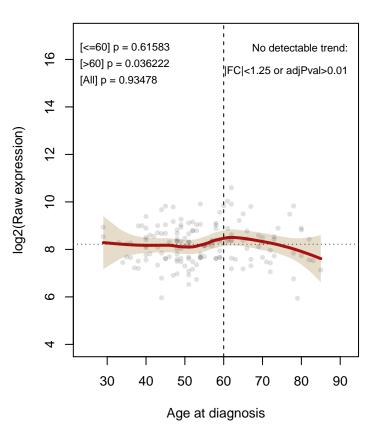
CDKN2B (non-ER binding)



CDKN2C (non-ER binding)

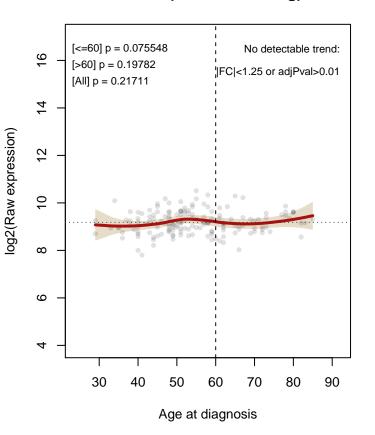
CDKN2D (non-ER binding)

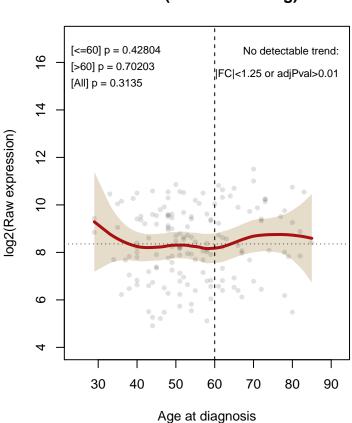


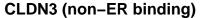


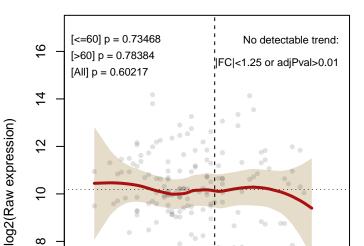
CHUK (non-ER binding)

CIITA (non-ER binding)



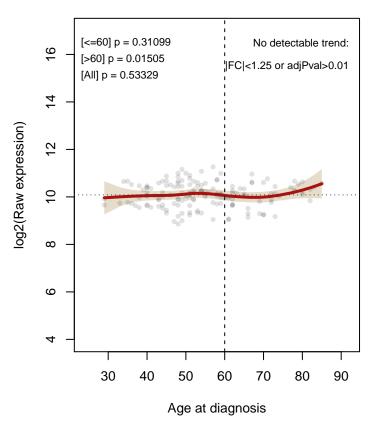






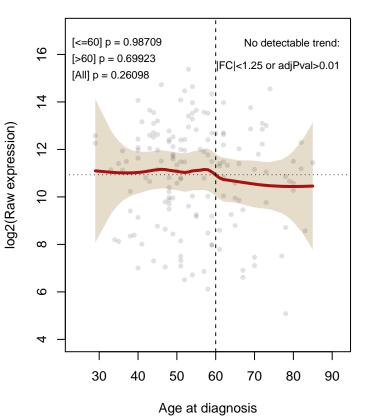
ω

CREB1 (non-ER binding)

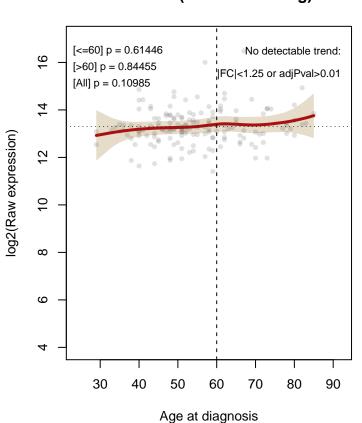


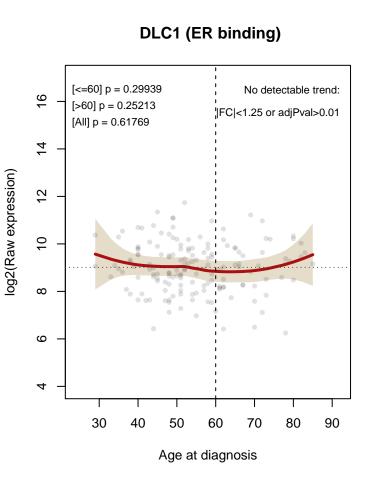
CRYAB (non-ER binding)

Age at diagnosis

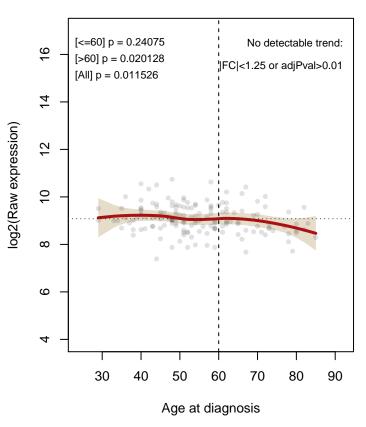


CTNNB1 (non-ER binding)

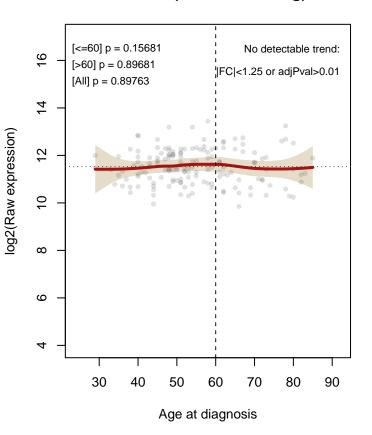




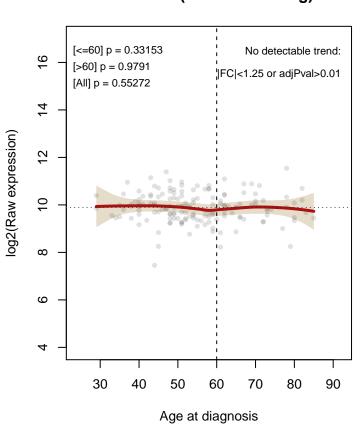
DMAP1 (non-ER binding)



DNMT1 (non-ER binding)



DNMT3A (non-ER binding)



DVL1 (non-ER binding) DNMT3B (non-ER binding) [<=60] p = 0.82373No detectable trend: [<=60] p = 0.89602No detectable trend: 16 16 [>60] p = 0.23854 [>60] p = 0.040946 FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.51803[All] p = 0.583834 4 log2(Raw expression) log2(Raw expression) 12 12 10 10 ∞ ω 9 9 30 40 50 60 70 80 90 30 40 50 60 70 80 90 Age at diagnosis Age at diagnosis E2F1 (non-ER binding) E2F2 (non-ER binding) [<=60] p = 0.74544No detectable trend: [<=60] p = 0.88934No detectable trend: 16 16 [>60] p = 0.036075 [>60] p = 0.35266 FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [All] p = 0.034109[All] p = 0.524664 4 log2(Raw expression) log2(Raw expression) 12 12 19 10 ω ∞ 9 9

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Age at diagnosis

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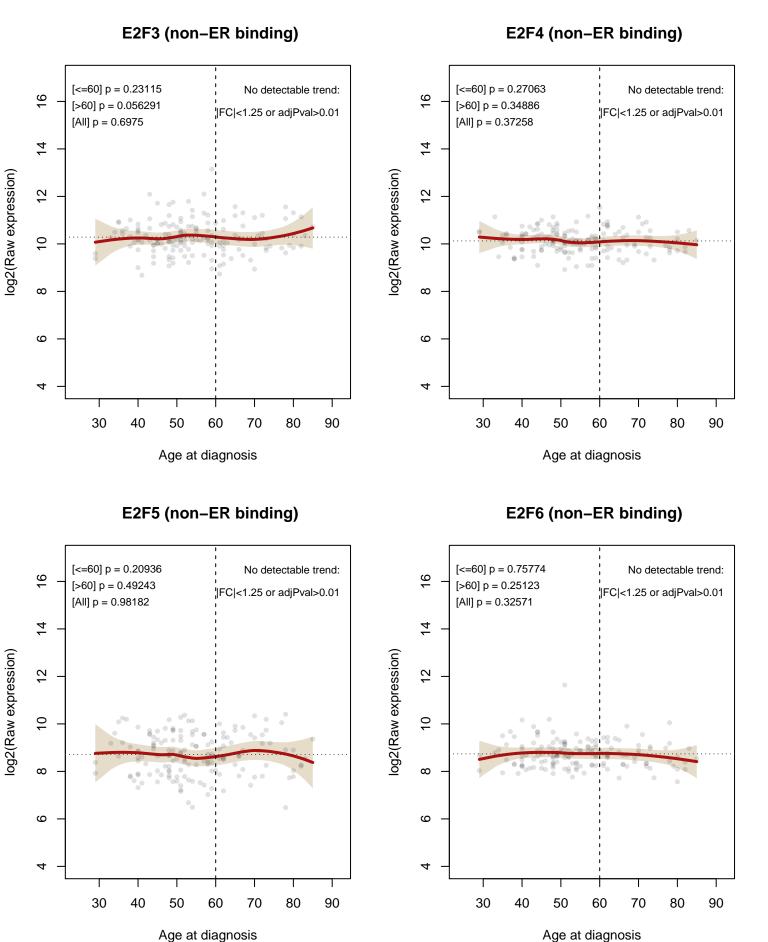
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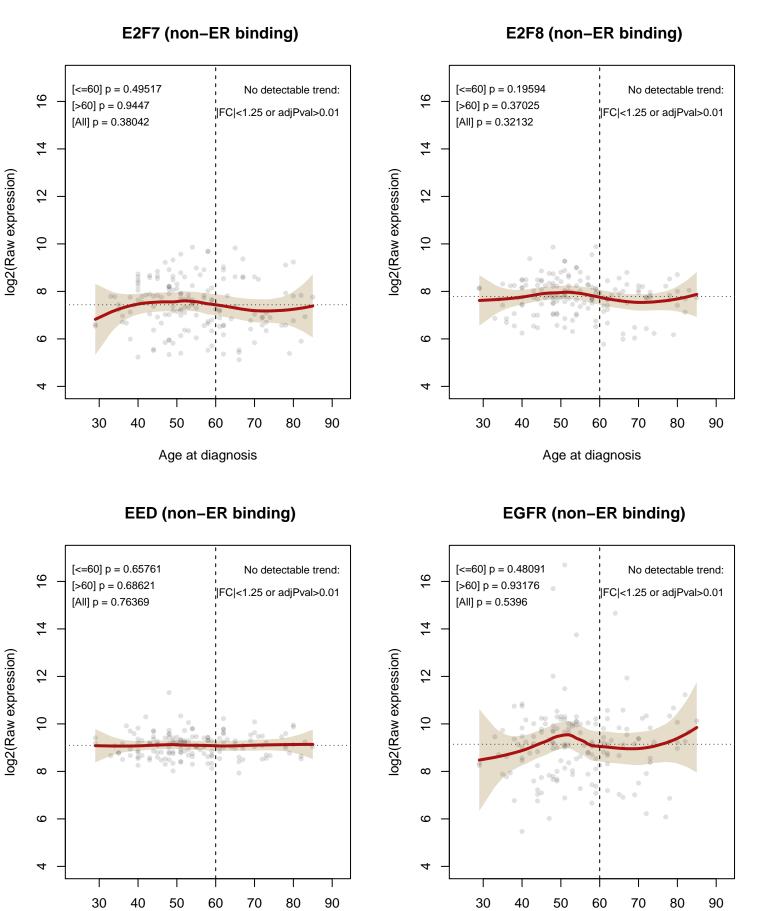
Age at diagnosis

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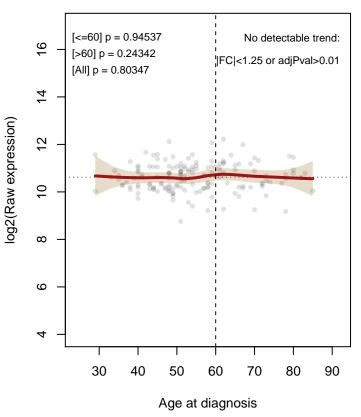


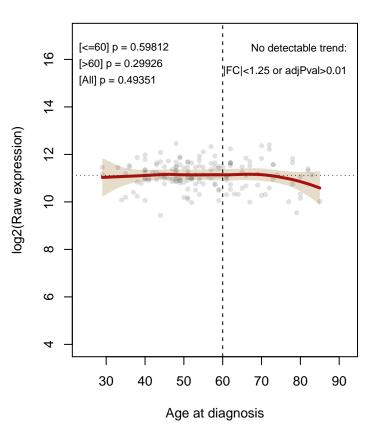
Age at diagnosis

Age at diagnosis



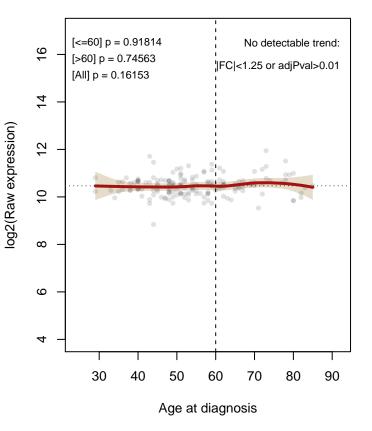
EHMT2 (non-ER binding)

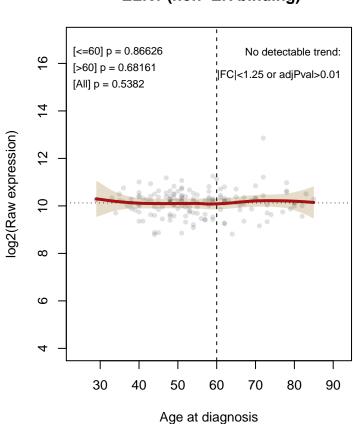


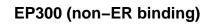


ELAC2 (non-ER binding)

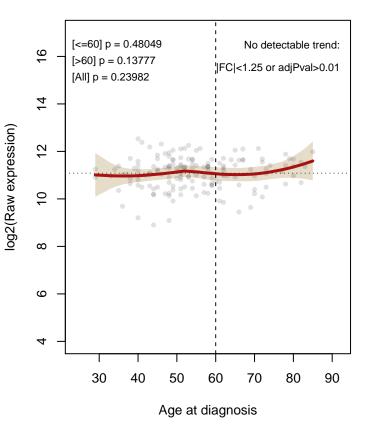
ELK1 (non-ER binding)

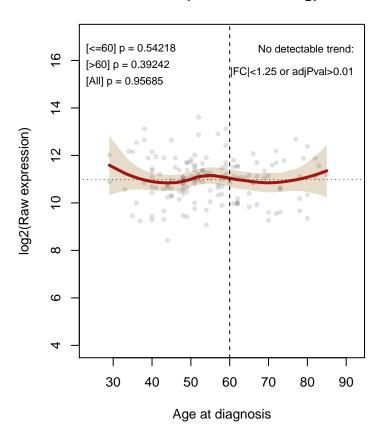






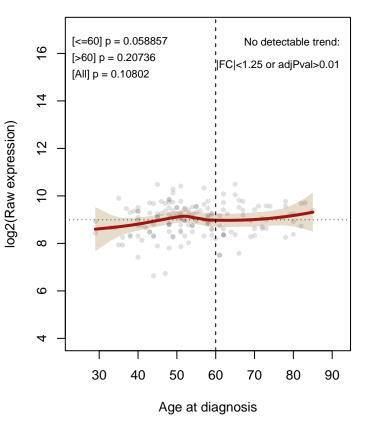
EPAS1 (non-ER binding)

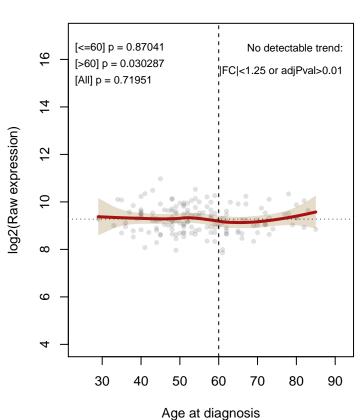


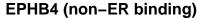


EPC1 (non-ER binding)

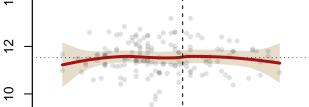
EPC2 (non-ER binding)







[<=60] p = 0.66097No detectable trend: 16 [>60] p = 0.30739 FC|<1.25 or adjPval>0.01 [All] p = 0.938494



10 ∞

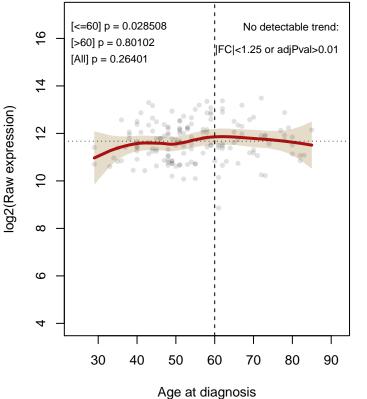
log2(Raw expression)

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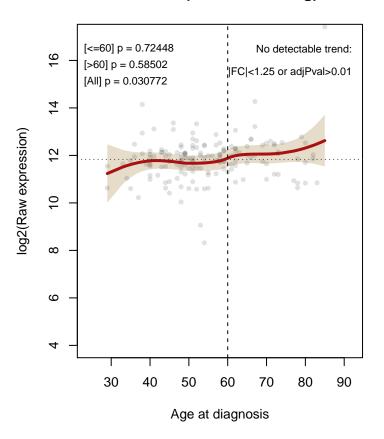
30 40 50 70 80 90 60

ERBB3 (non-ER binding)

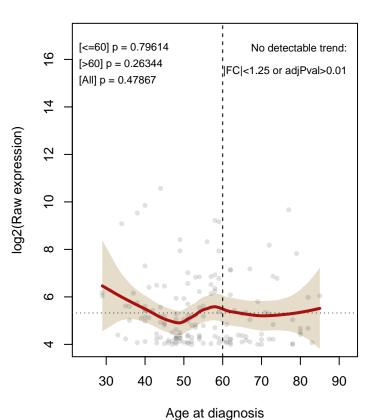
Age at diagnosis

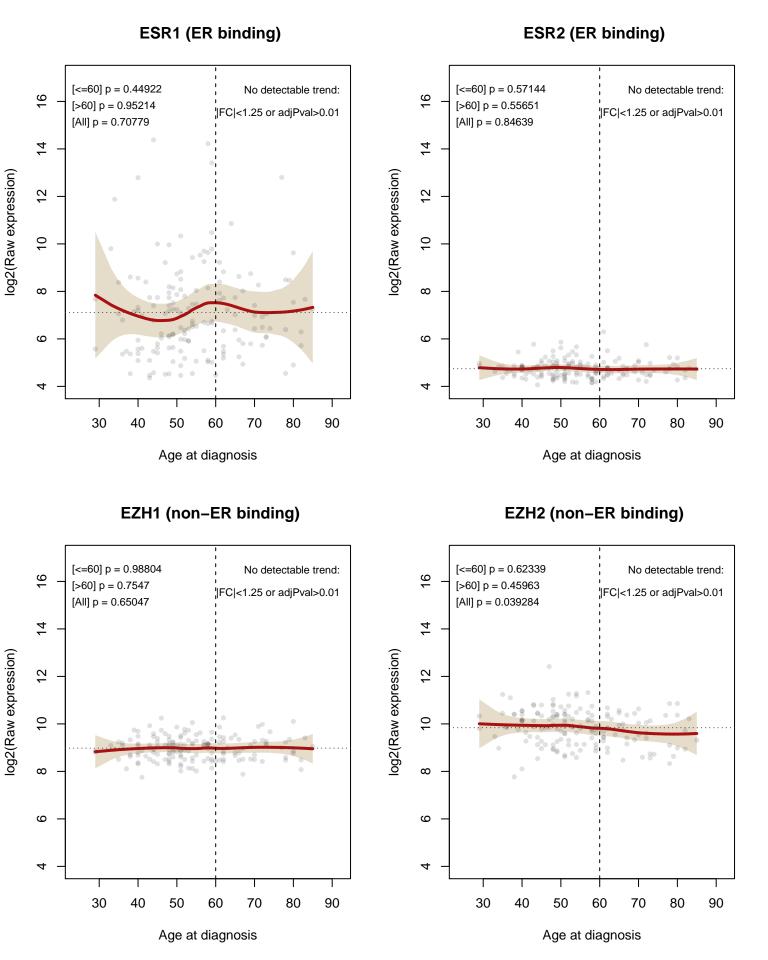


ERBB2 (non-ER binding)



ERBB4 (ER binding)





FOSL1 (non-ER binding) FOS (non-ER binding) [<=60] p = 0.32845No detectable trend: [<=60] p = 0.24833No detectable trend: 16 16 [>60] p = 0.58607 [>60] p = 0.66489 FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.73893[AII] p = 0.546694 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 **FOXC1 (ER binding)** FOXA1 (ER binding) [<=60] p = 0.63271No detectable trend: [<=60] p = 0.7572No detectable trend: 16 16 [>60] p = 0.05505 [>60] p = 0.1491 FC|<1.25 or adjPval>0.01 FC|<1.25 or adjPval>0.01 [All] p = 0.83405[All] p = 0.734244 4 log2(Raw expression) log2(Raw expression) 12 12 10 10 ω ∞ 9 9

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Age at diagnosis

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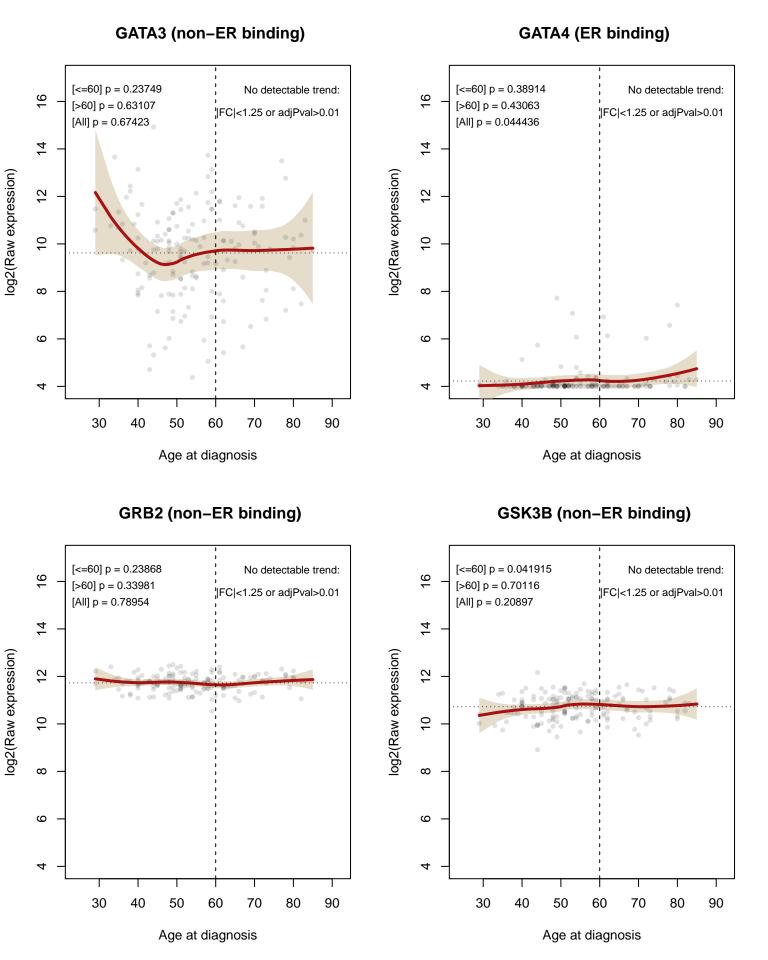
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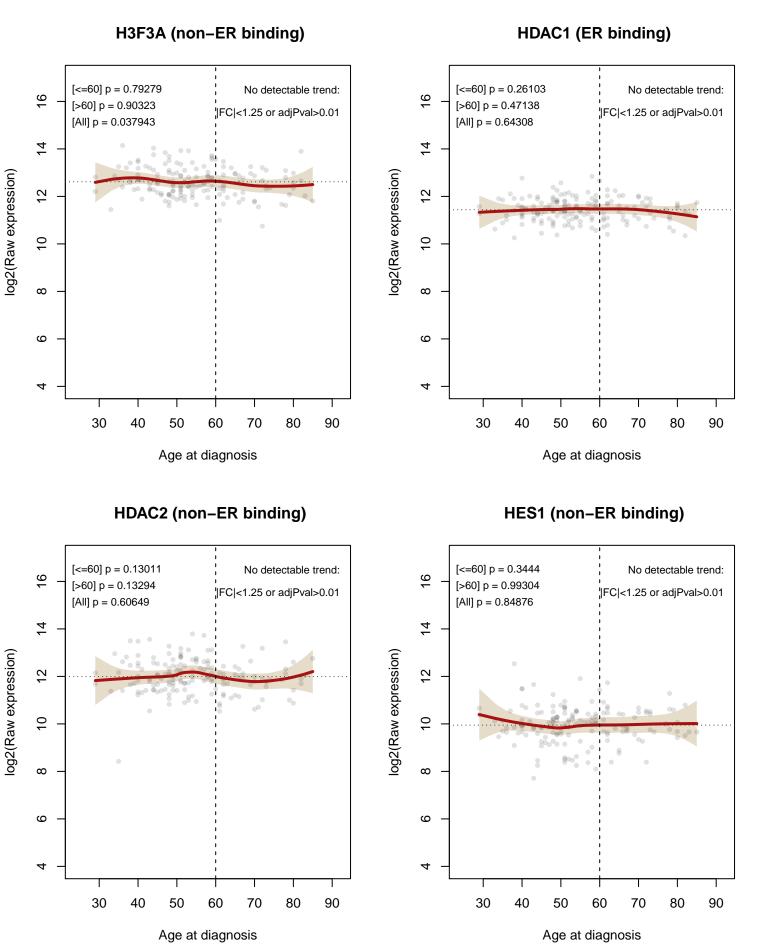
Age at diagnosis

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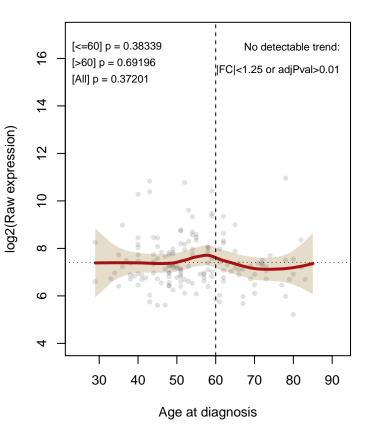
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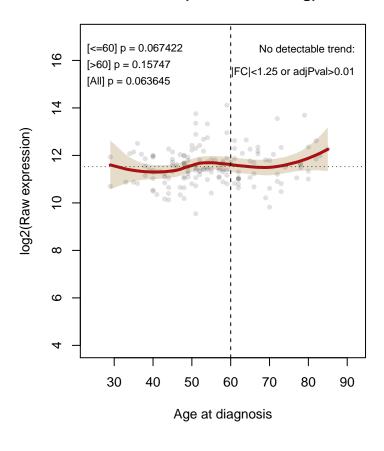






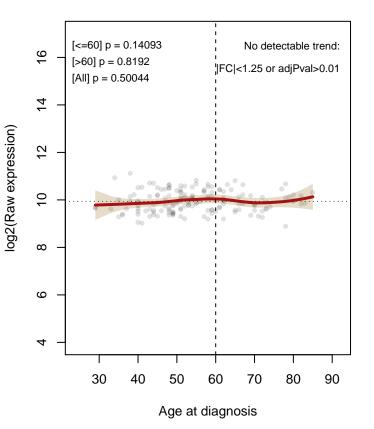
HIF1A (non-ER binding)

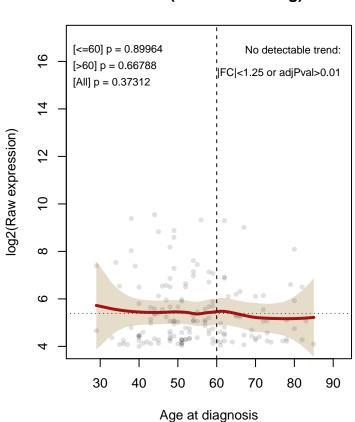




HIF1AN (non-ER binding)

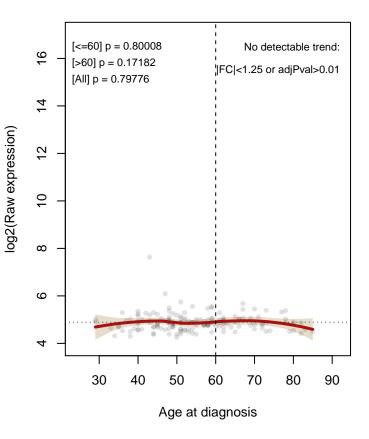
HIF3A (non-ER binding)

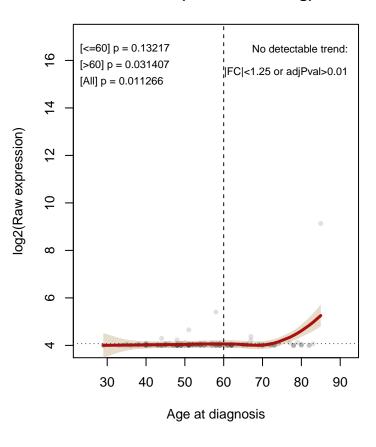






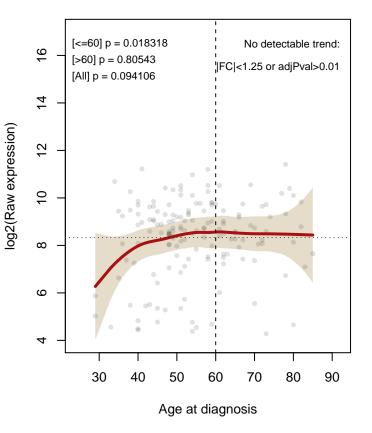
HNF1B (non-ER binding)

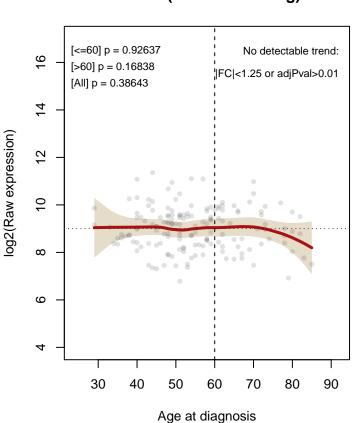




HOXC10 (non-ER binding)

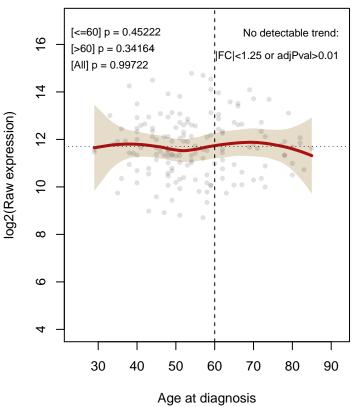
HRAS (non-ER binding)

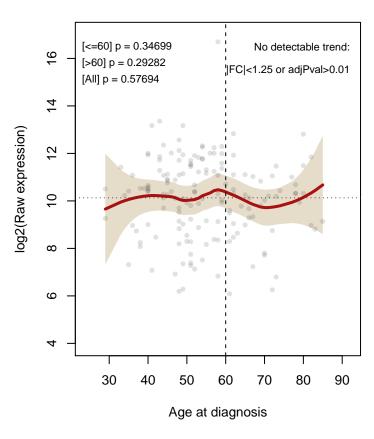






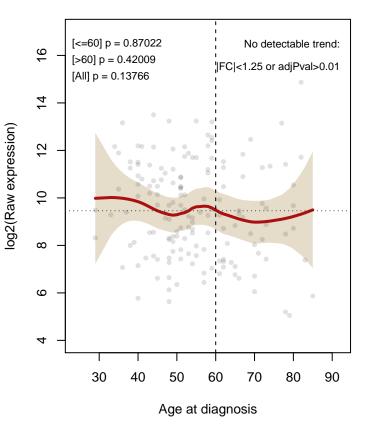
IGF1R (ER binding)

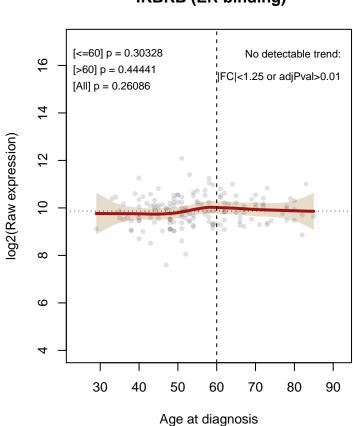




IGFBP2 (non-ER binding)

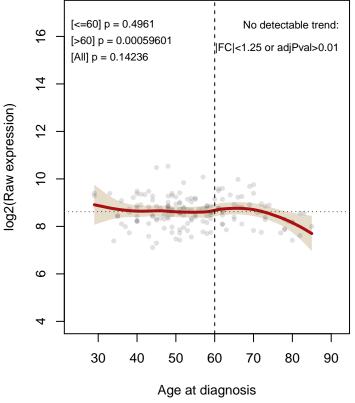
IKBKB (ER binding)

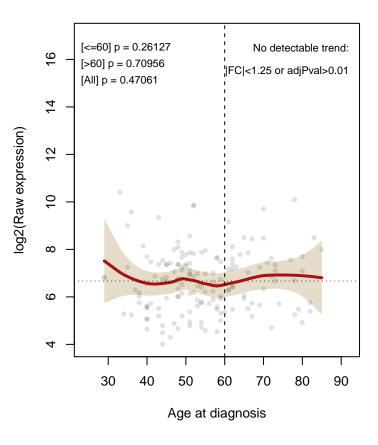






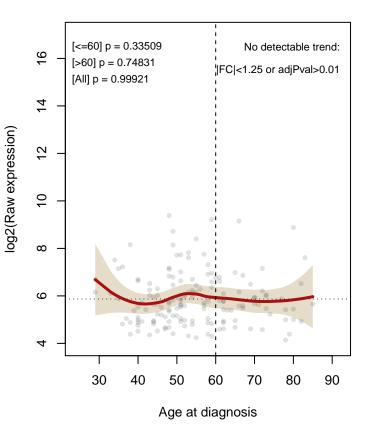
IL2RA (non-ER binding)

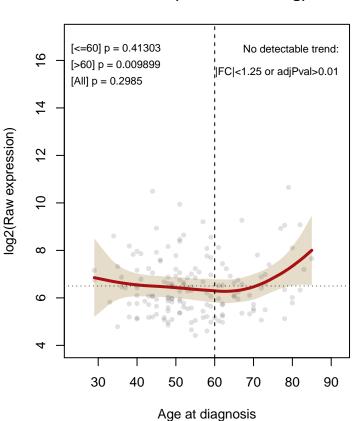


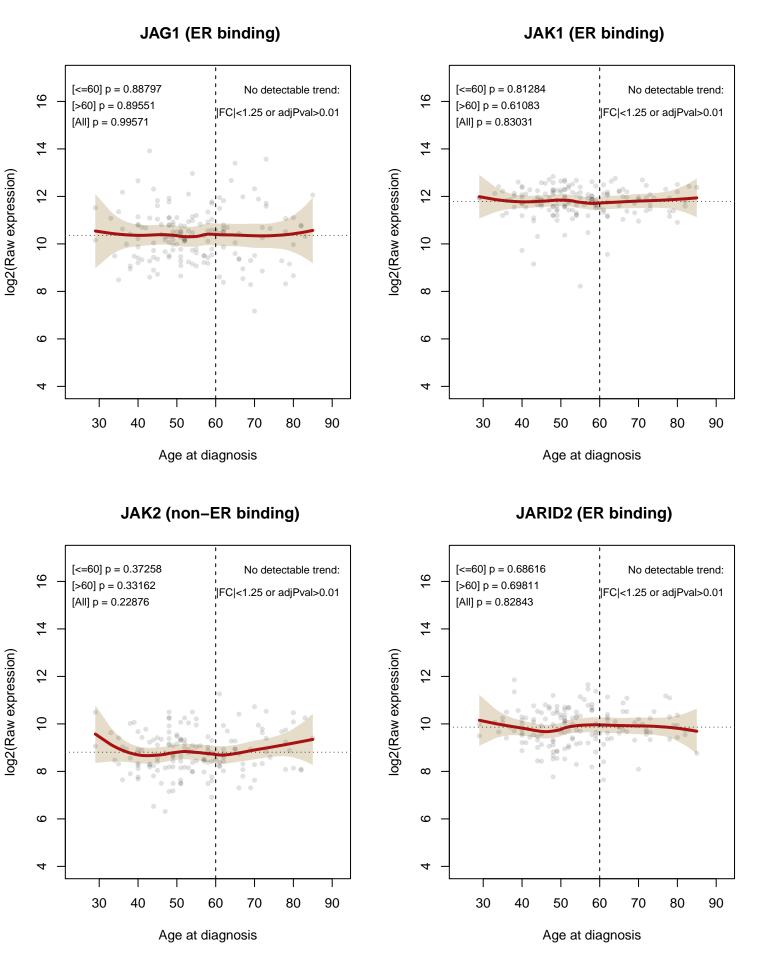


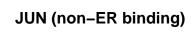
IL6 (non-ER binding)

INPP4B (non-ER binding)

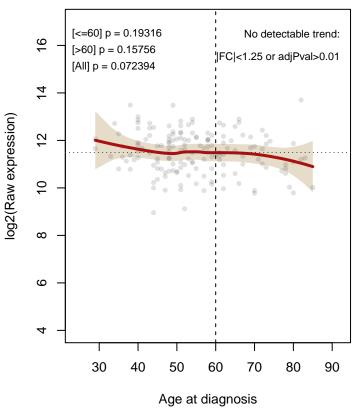


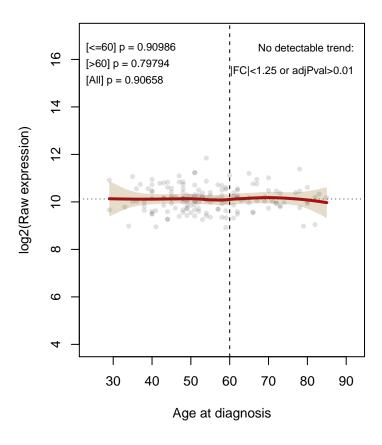






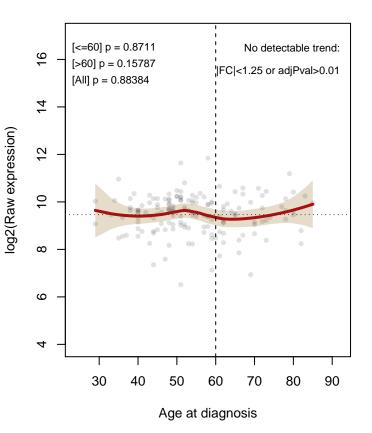
KDM2B (non-ER binding)

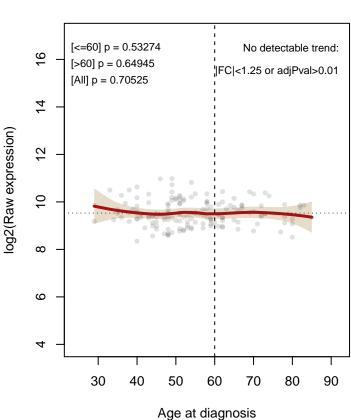




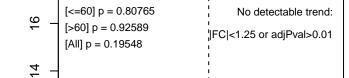
KDM6A (non-ER binding)

KDM6B (non-ER binding)





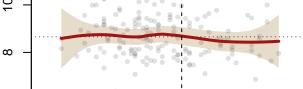


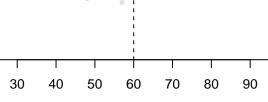




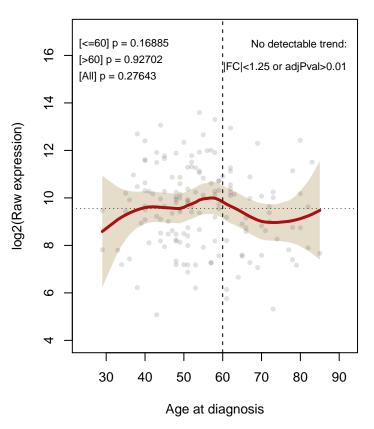
log2(Raw expression)

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KIT (non-ER binding)



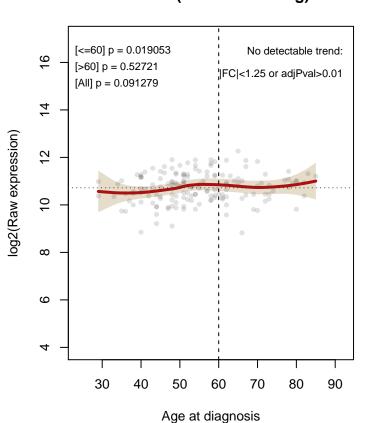
KMT2C (non-ER binding)

Age at diagnosis

[<=60] p = 0.55436No detectable trend: 16 [>60] p = 0.36248 FC|<1.25 or adjPval>0.01 [AII] p = 0.4134 log2(Raw expression) 12 10 ∞ 9 30 40 50 60 70 80 90

Age at diagnosis

KMT2D (non-ER binding)



[<=60] p = 0.32159

[>60] p = 0.1815

[All] p = 0.51783

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50

16

4

12

19

ω

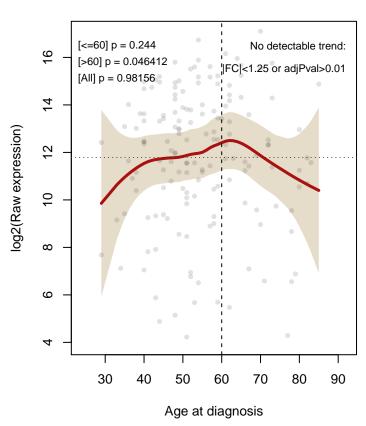
9

log2(Raw expression)

KRAS (non-ER binding)

No detectable trend:

FC|<1.25 or adjPval>0.01



KRT5 (non-ER binding)

L3MBTL1 (non-ER binding)

Age at diagnosis

60

70

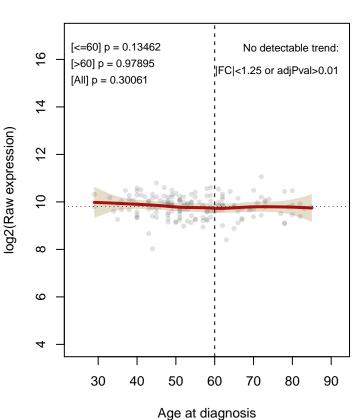
80

90

[<=60] p = 0.29408No detectable trend: 16 [>60] p = 0.21147 FC|<1.25 or adjPval>0.01 [All] p = 0.0566614 log2(Raw expression) 12 10 ∞ 9 30 40 50 60 70 80 90

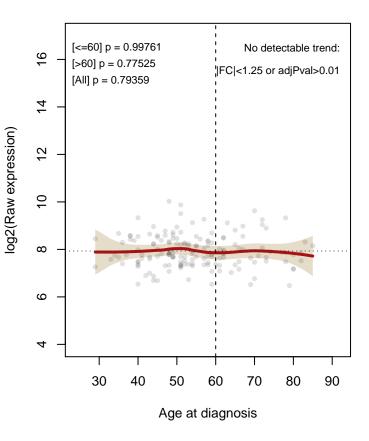
Age at diagnosis

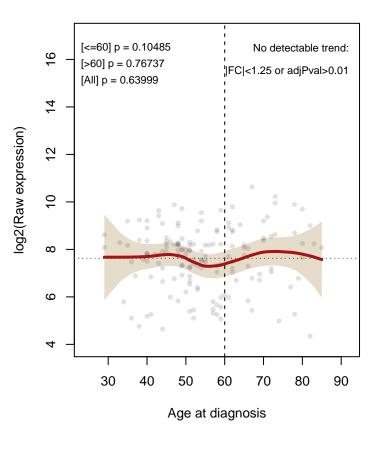
L3MBTL2 (non-ER binding)



L3MBTL3 (ER binding)

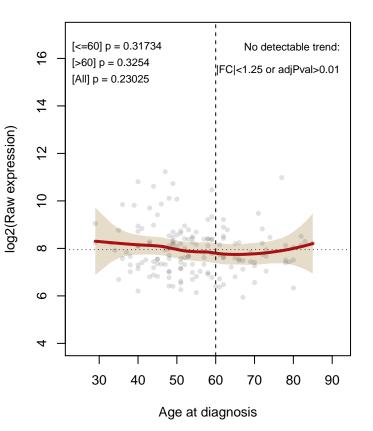
L3MBTL4 (non-ER binding)

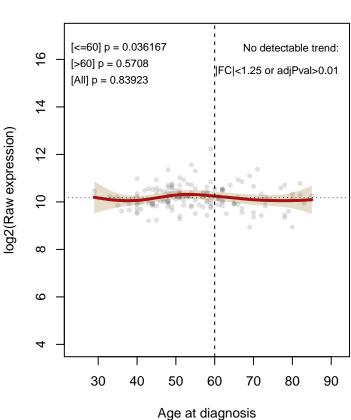




LEF1 (non-ER binding)

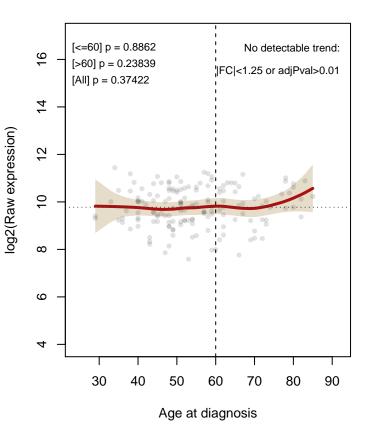
MAP2K1 (non-ER binding)

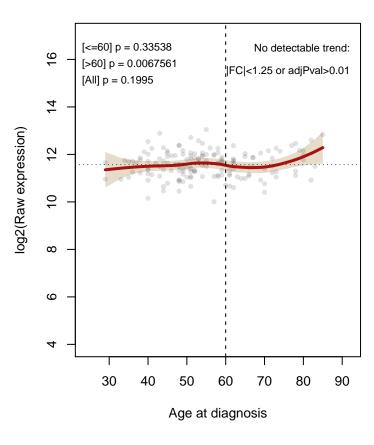






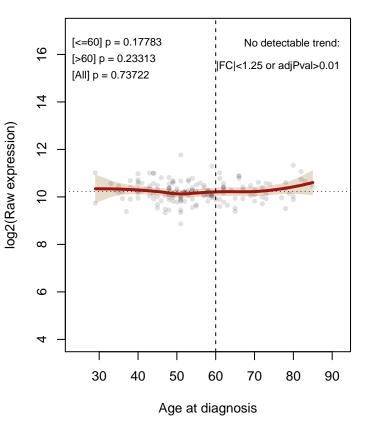
MAPK1 (non-ER binding)

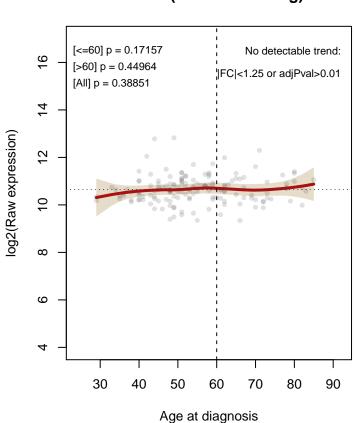


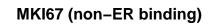


MAPK3 (non-ER binding)

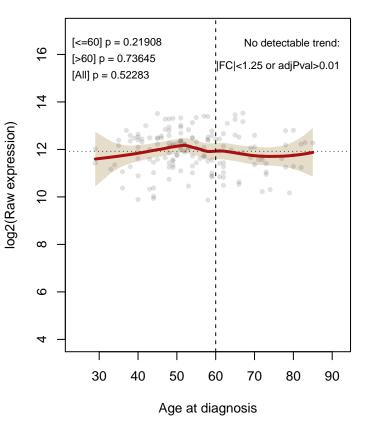
MDM2 (non-ER binding)

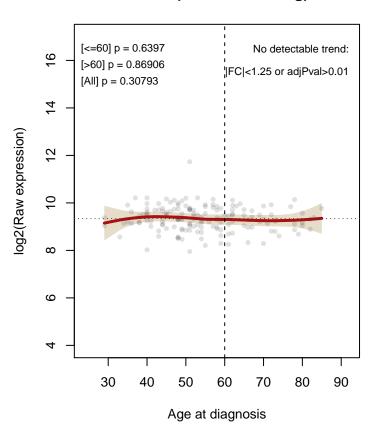






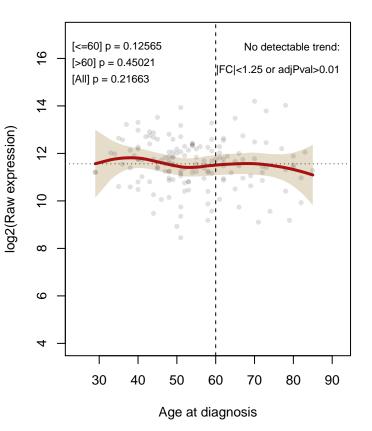
MTF2 (non-ER binding)

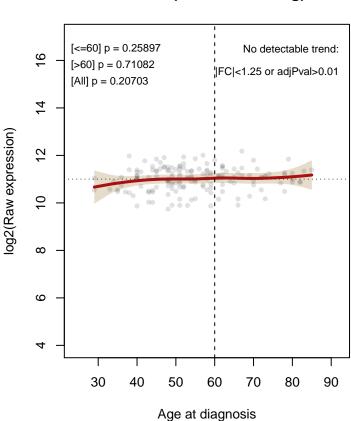




MYC (non-ER binding)

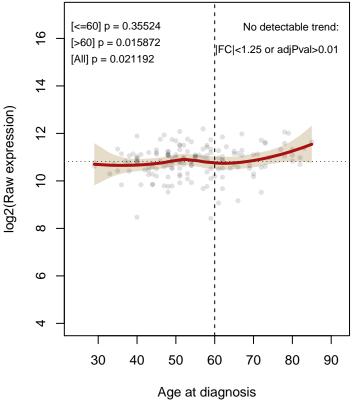
NCOA6 (non-ER binding)

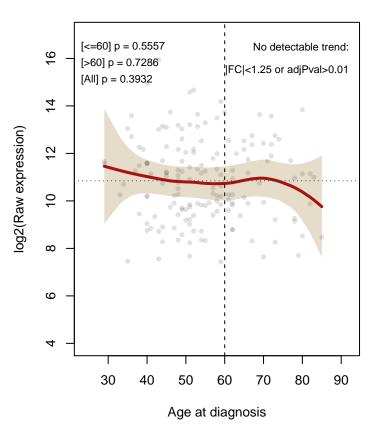




NCOR1 (non–ER binding)

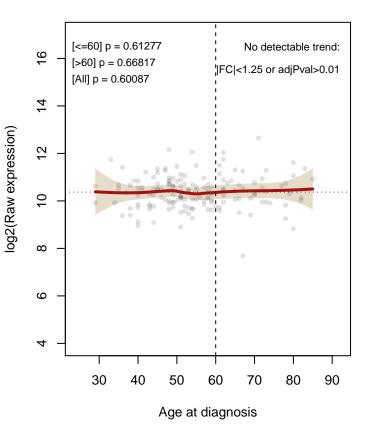
NES (non-ER binding)

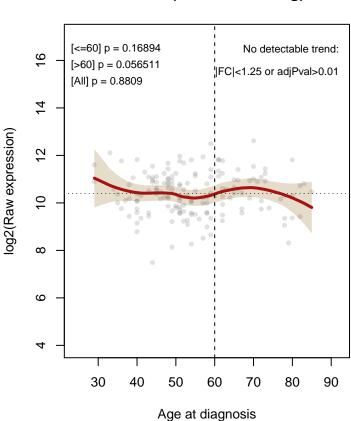




NFKB1 (non-ER binding)

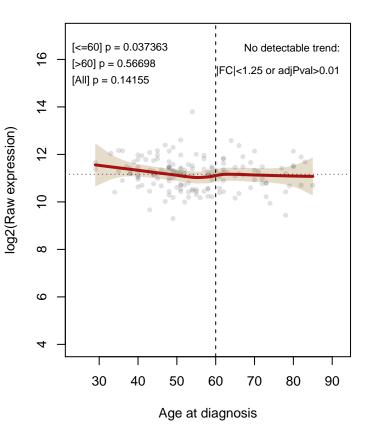
NFKB2 (non-ER binding)

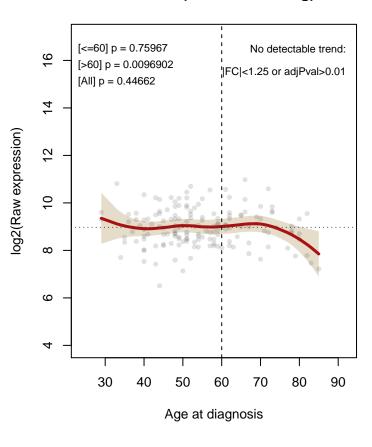






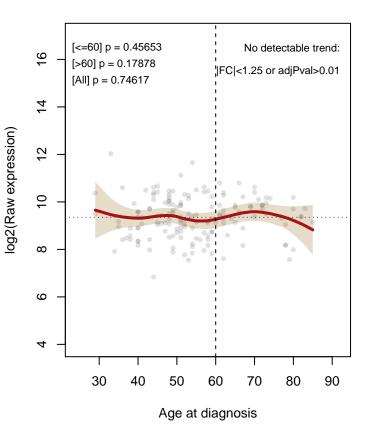
NFKBIB (non-ER binding)

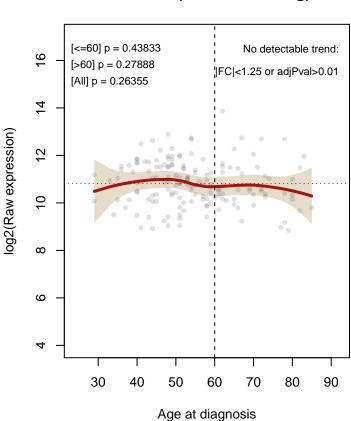




NFKBIE (non-ER binding)

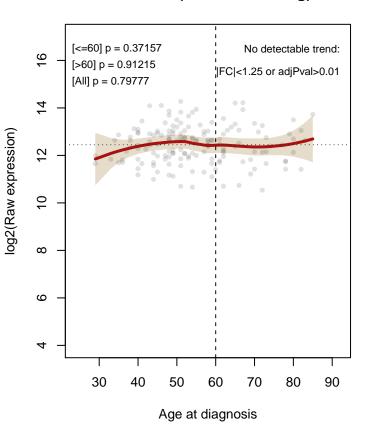
NOTCH1 (non-ER binding)

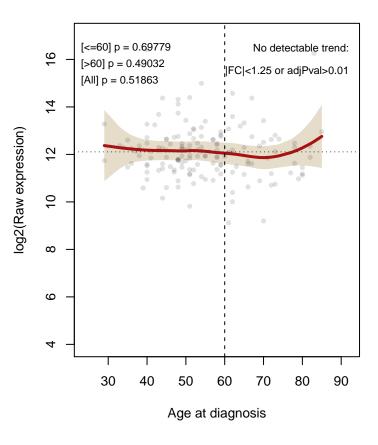




NOTCH2 (non-ER binding)

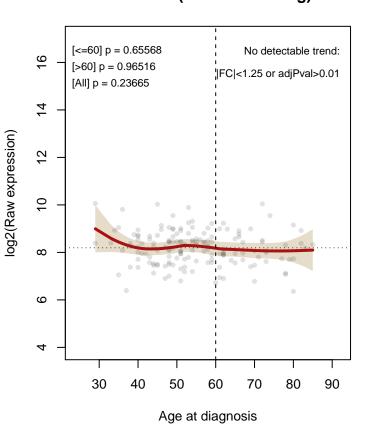
NOTCH3 (non-ER binding)

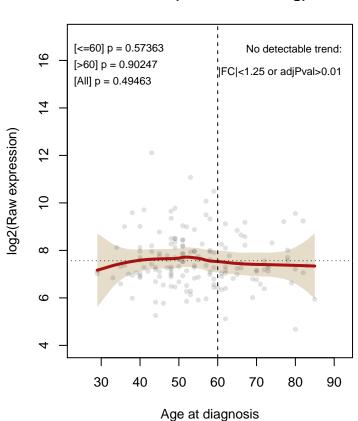




NOTCH4 (non-ER binding)

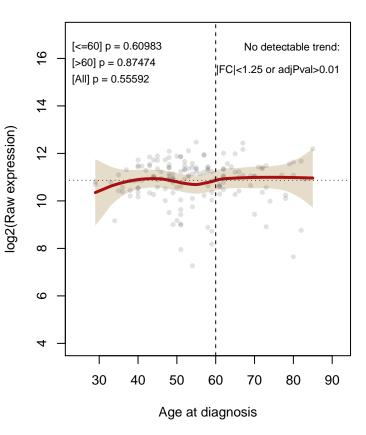
NR4A2 (non-ER binding)

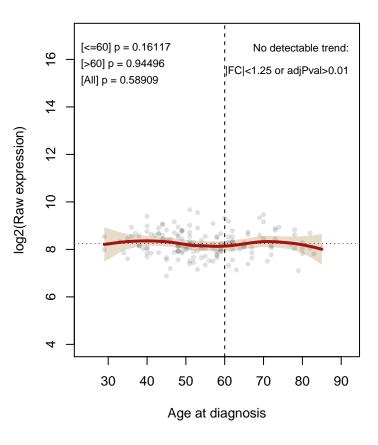






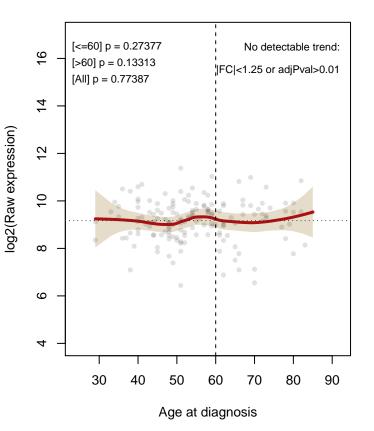
PCGF1 (non-ER binding)

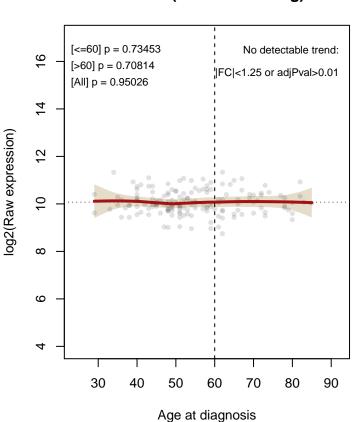




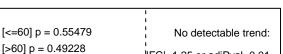
PCGF2 (non-ER binding)

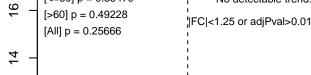
PCGF3 (non-ER binding)

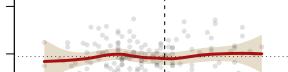










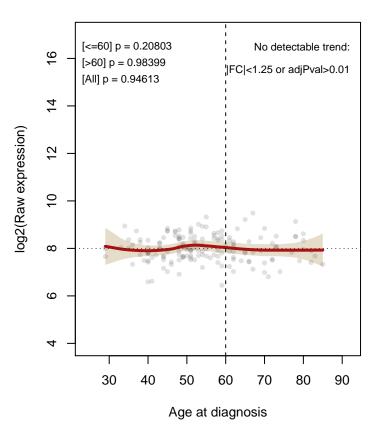


log2(Raw expression)



Age at diagnosis

PCGF6 (non-ER binding)

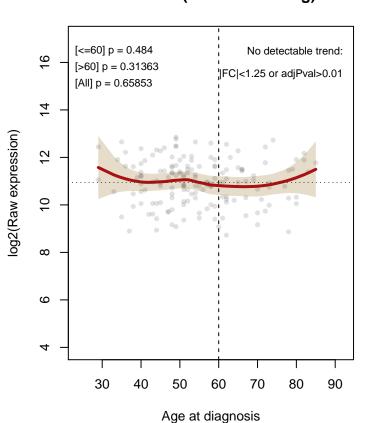


PDGFRA (non-ER binding)

[<=60] p = 0.25848 No detectable trend: [>60] p = 0.021894 |FC|<1.25 or adjPval>0.01 [All] p = 0.79243log2(Raw expression) ω

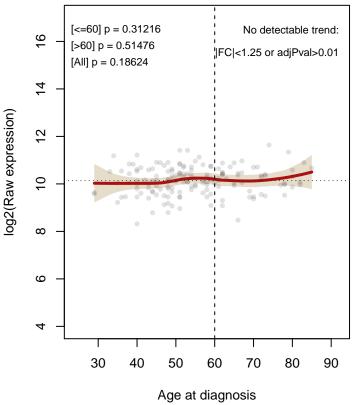
Age at diagnosis

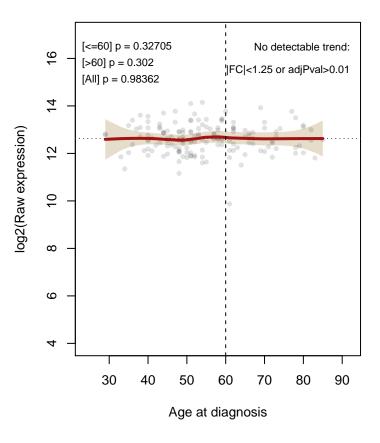
PDGFRB (non-ER binding)



PDPK1 (non–ER binding)

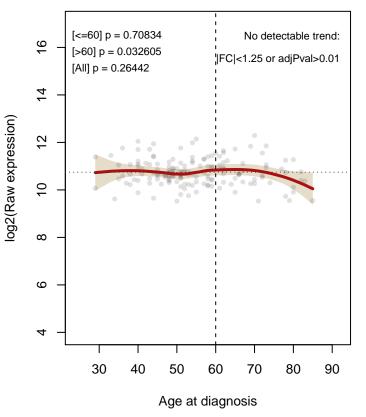
PEBP1 (non-ER binding)

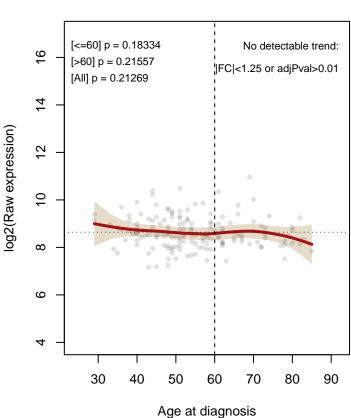


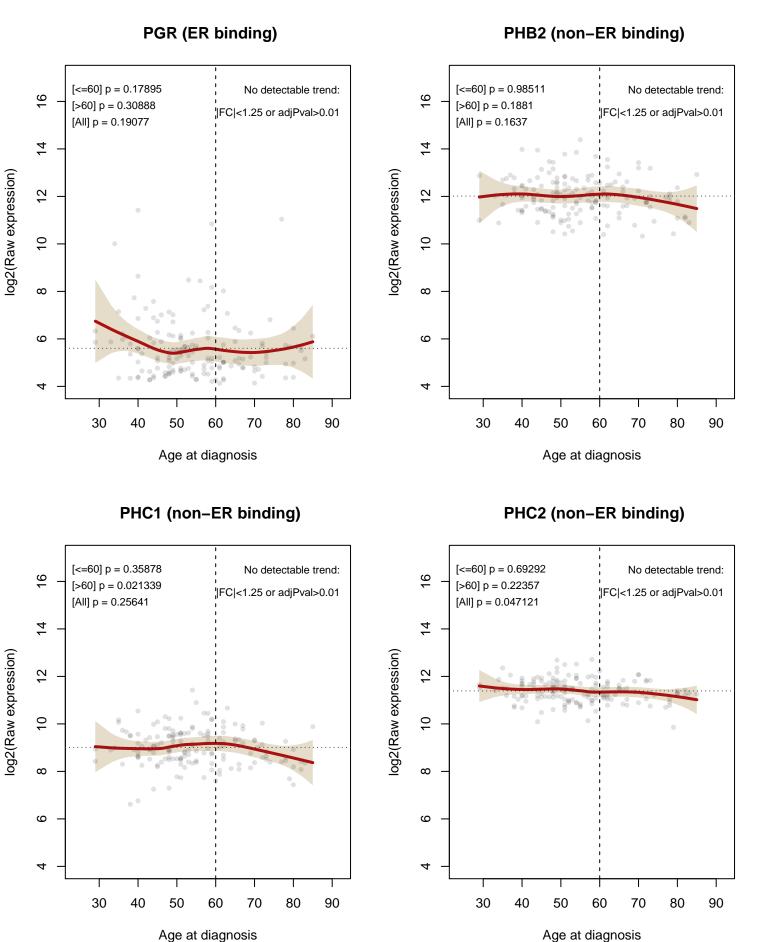


PELP1 (non-ER binding)

PGP (non–ER binding)

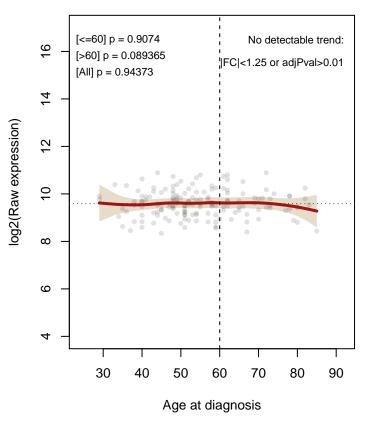






PHC3 (non-ER binding) PHC3 (non-ER binding) No detectable trend: [<=60] p = 0.9946 [>60] p = 0.72995 [All] p = 0.66529 PHC3 (non-ER binding) No detectable trend: [FC|<1.25 or adjPval>0.01

PHF1 (non-ER binding)



PHF19 (non-ER binding)

Age at diagnosis

60

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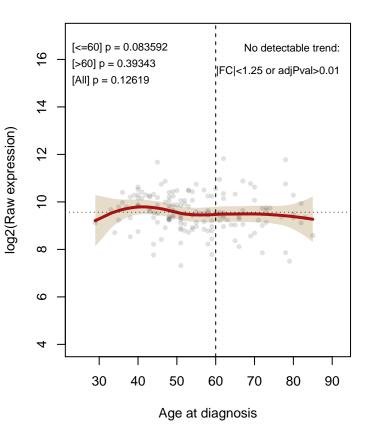
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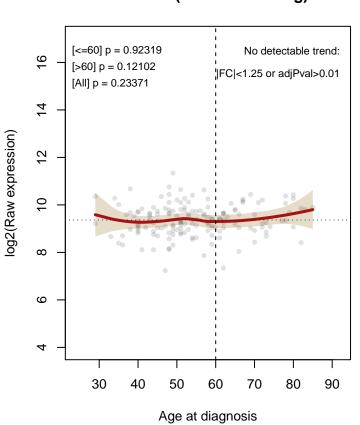
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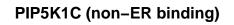
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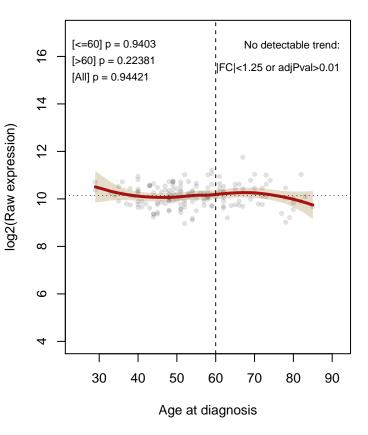


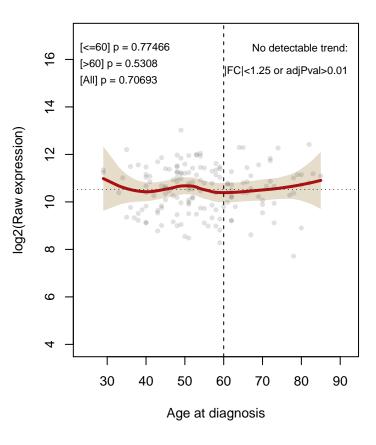
PIK3CA (non-ER binding)





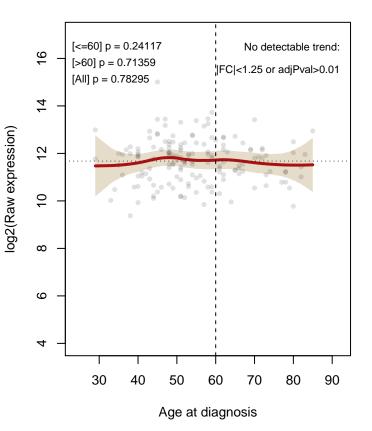
PLAU (non-ER binding)

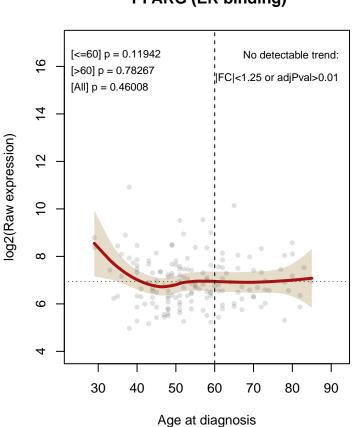


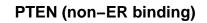


PODXL (non-ER binding)

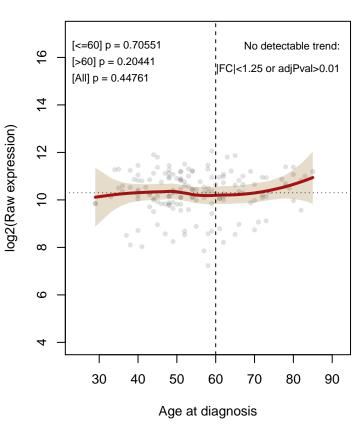
PPARG (ER binding)

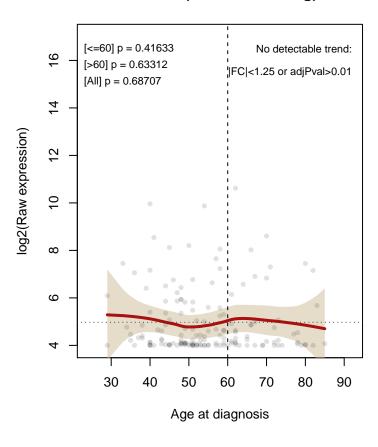






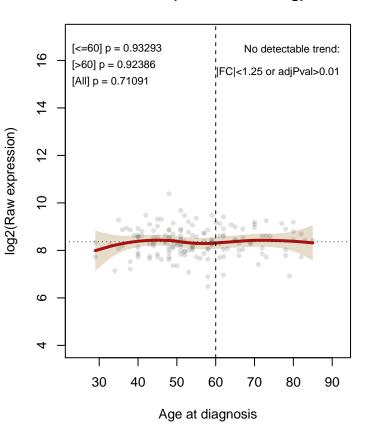
PYDC1 (non-ER binding)

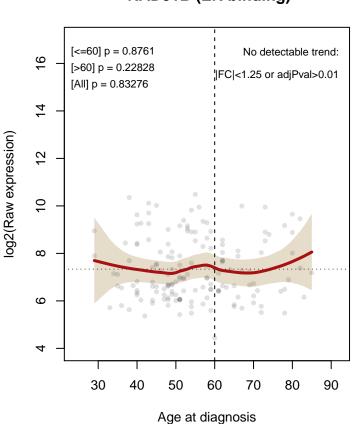




RAD51 (non-ER binding)

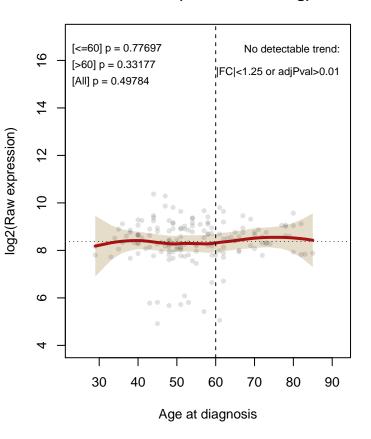
RAD51B (ER binding)

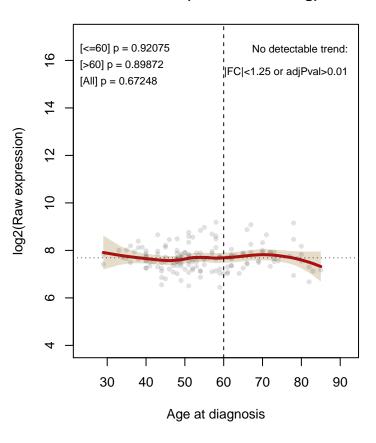




RAD51C (non-ER binding)

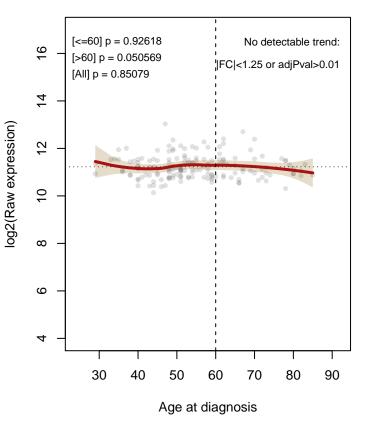
RAD51D (non-ER binding)

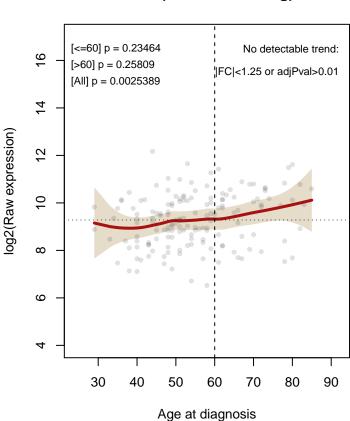




RAF1 (non-ER binding)

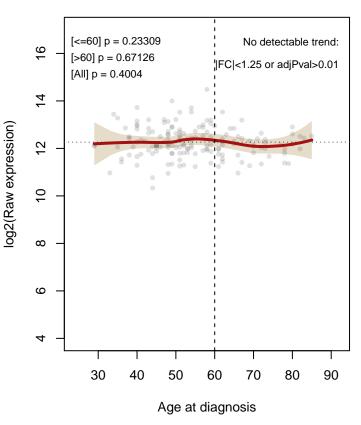
RB1 (non-ER binding)

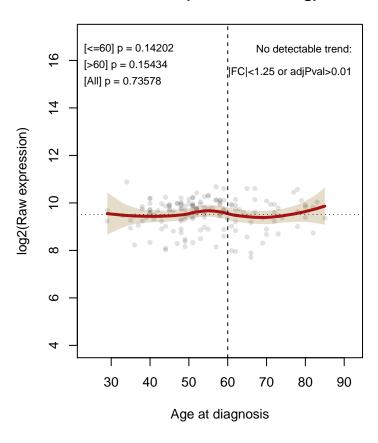






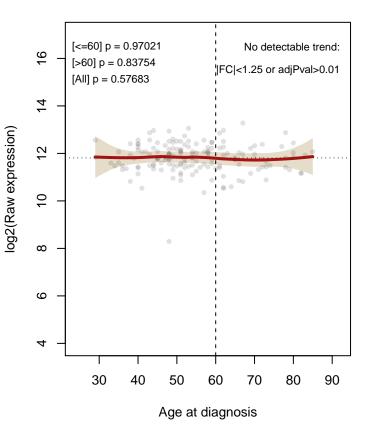
RBBP5 (non-ER binding)

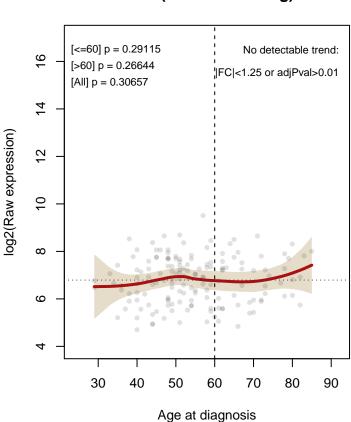




RBBP7 (non-ER binding)

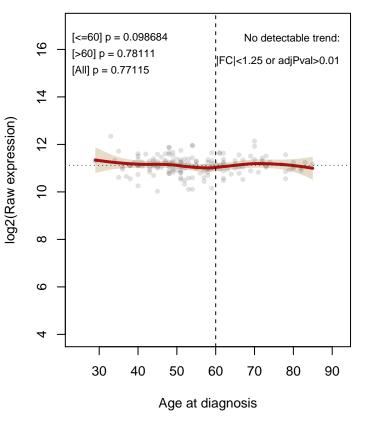
REL (non-ER binding)

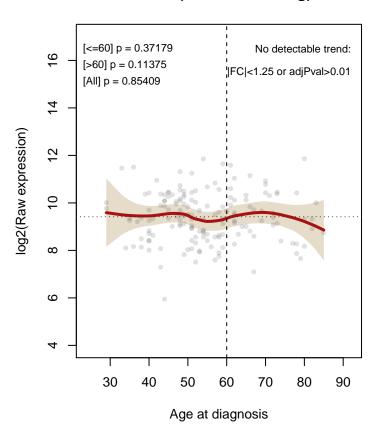






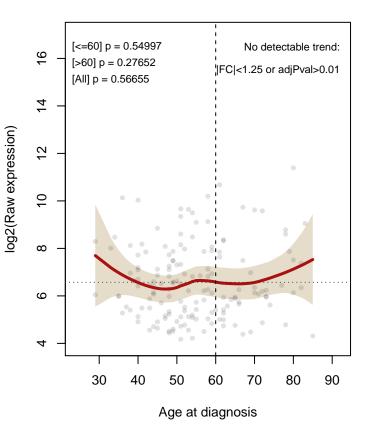
RELB (non-ER binding)

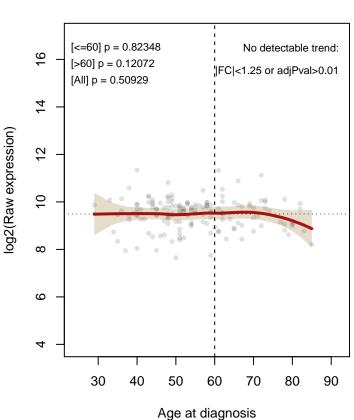




RET (ER binding)

RING1 (non-ER binding)





RNF2 (non-ER binding) **RUNX1 (ER binding)** [<=60] p = 0.81231No detectable trend: [<=60] p = 0.62143No detectable trend: 16 16 [>60] p = 0.13624 [>60] p = 0.90129 FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [All] p = 0.81596[All] p = 0.781614 4 log2(Raw expression) log2(Raw expression) 12 12 10 10 ω ω 9 9 30 40 50 60 70 80 90 30 40 50 60 70 80 90 Age at diagnosis Age at diagnosis **RUNX3 (non-ER binding)** RYBP (non-ER binding) [<=60] p = 0.70614No detectable trend: [<=60] p = 0.87289No detectable trend: 16 16 [>60] p = 0.42662 [>60] p = 0.28576 FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [All] p = 0.60174[All] p = 0.257494 4 log2(Raw expression) log2(Raw expression) 12 12 19 10 ω ∞ 9 9

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Age at diagnosis

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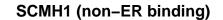
60

Age at diagnosis

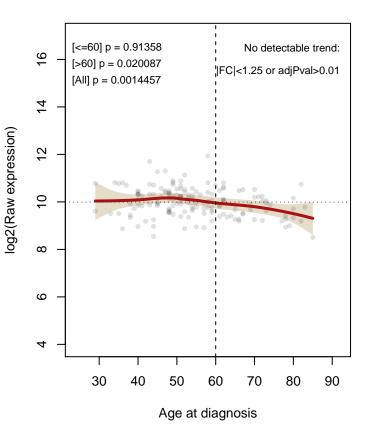
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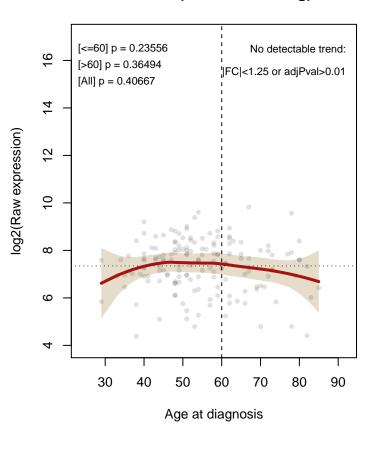
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90



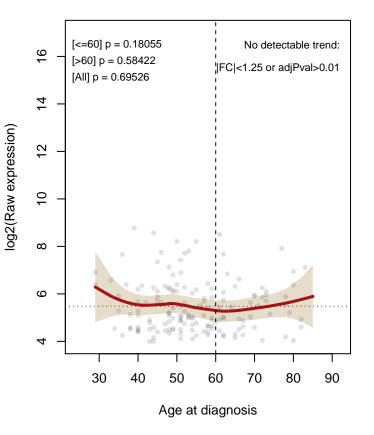
SCML2 (non-ER binding)

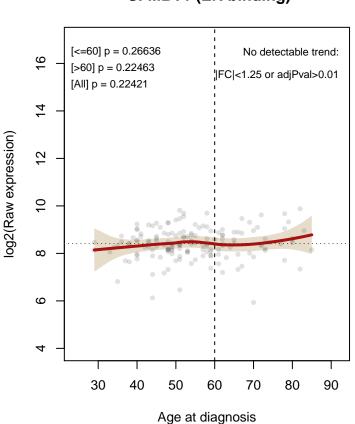




SCML4 (non-ER binding)

SFMBT1 (ER binding)





SFMBT2 (ER binding) SFPQ (non-ER binding) [<=60] p = 0.7865No detectable trend: [<=60] p = 0.42756No detectable trend: 16 16 [>60] p = 0.34762 [>60] p = 0.39227 FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [All] p = 0.17509[All] p = 0.147874 4 log2(Raw expression) log2(Raw expression) 12 12 10 10 ω ∞ 9 9 30 40 50 60 70 80 90 30 40 50 60 70 80 90 Age at diagnosis Age at diagnosis SHC1 (non-ER binding) SIRT1 (non-ER binding) [<=60] p = 0.10932No detectable trend: [<=60] p = 0.55709No detectable trend: 16 16 [>60] p = 0.37026 [>60] p = 0.13009 FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [All] p = 0.82462[All] p = 0.263524 4 log2(Raw expression) log2(Raw expression) 12 12 10 10 ω ∞ 9 9

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Age at diagnosis

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Age at diagnosis

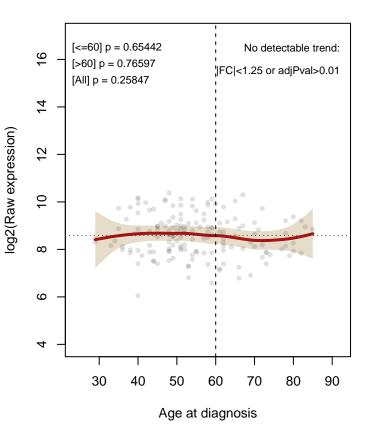
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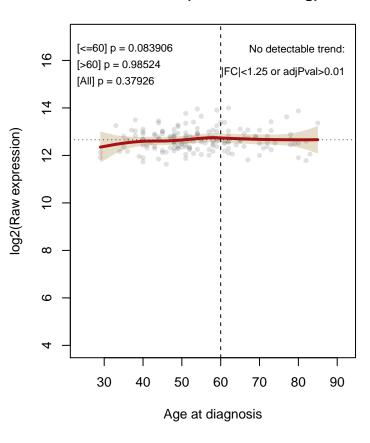
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SKP2 (non-ER binding)

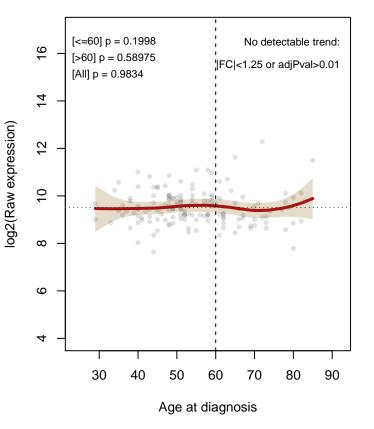
SLC25A3 (non-ER binding)

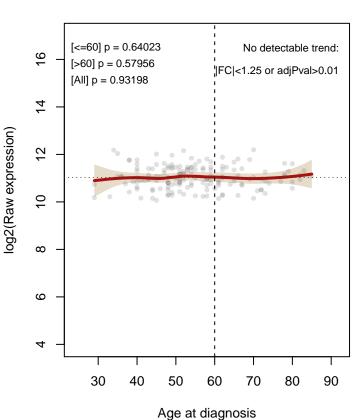




SMAD1 (non-ER binding)

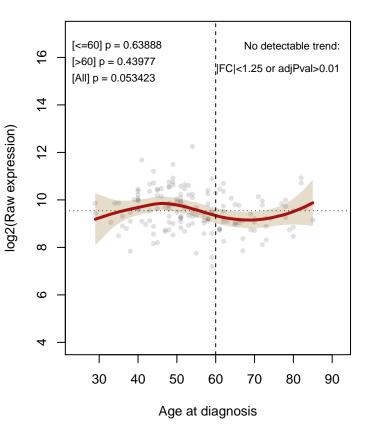
SMAD2 (non-ER binding)

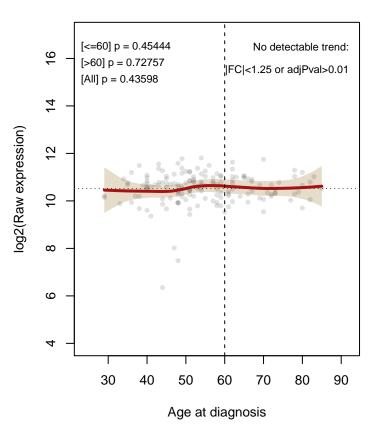






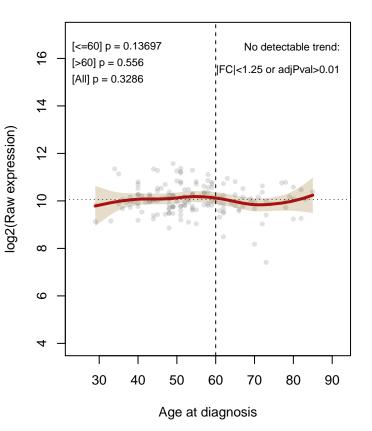
SMAD4 (non-ER binding)

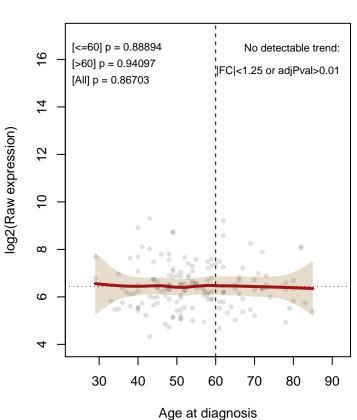




SMAD5 (non-ER binding)

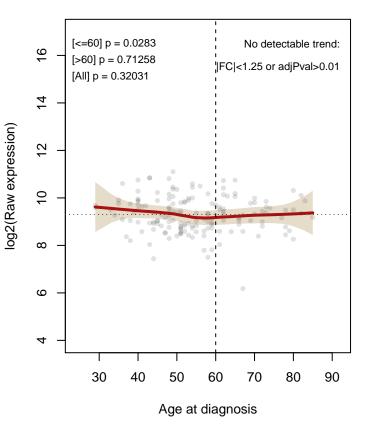
SMAD6 (non-ER binding)

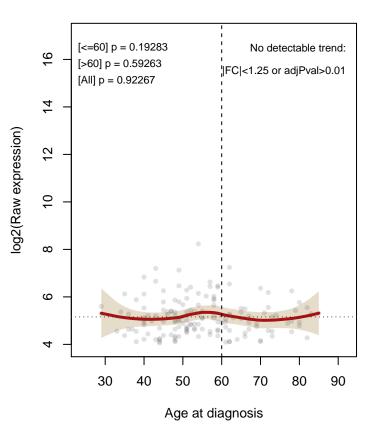






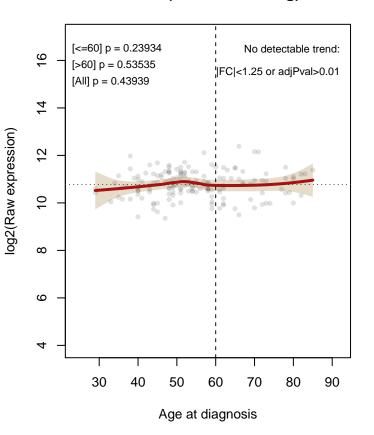
SMAD9 (non-ER binding)

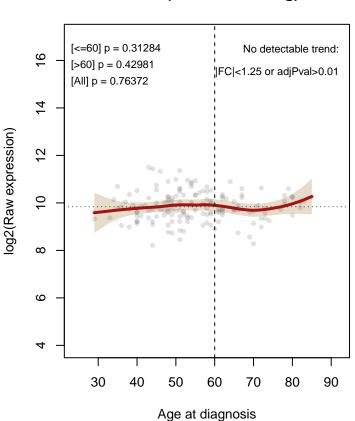


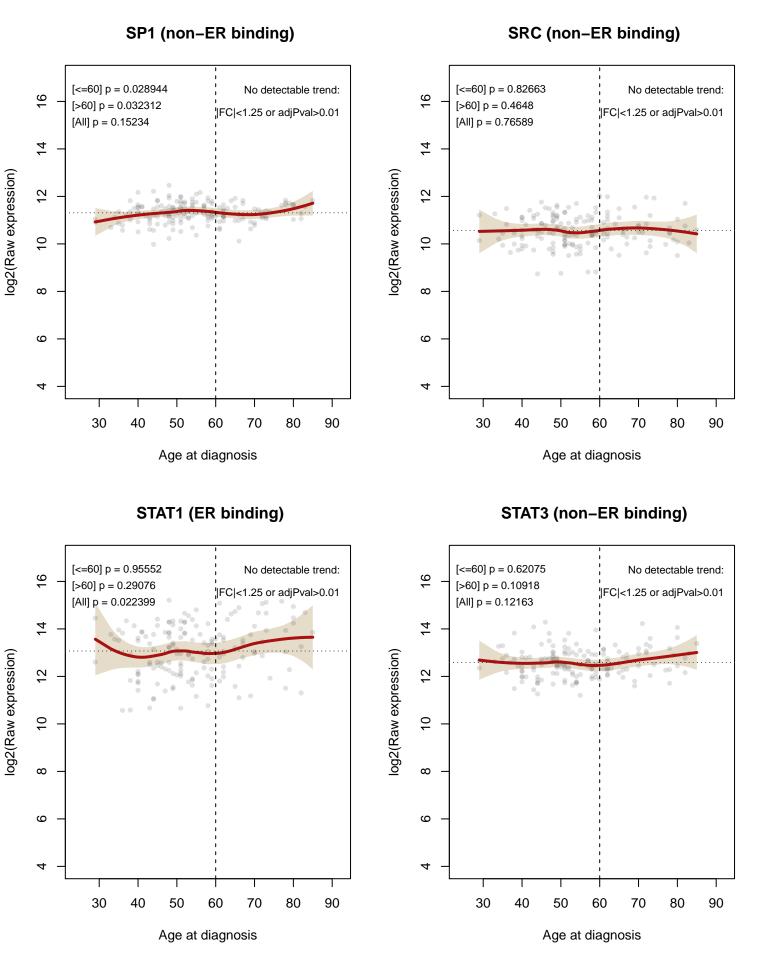


SOS1 (non-ER binding)

SOS2 (non-ER binding)

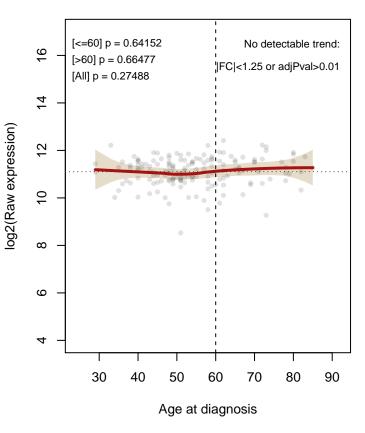


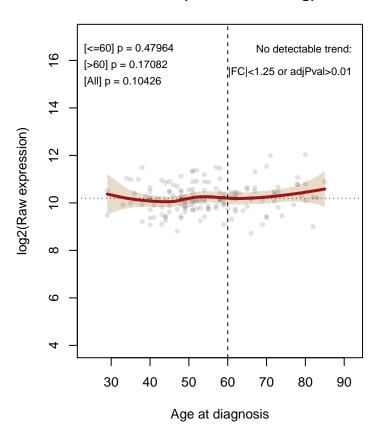






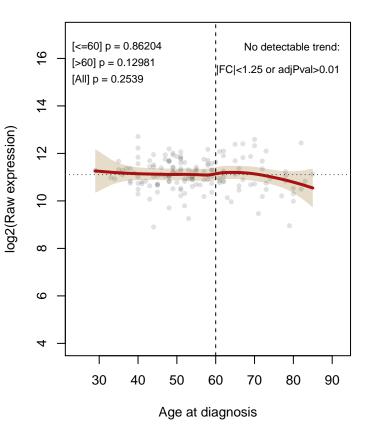
SUZ12 (non-ER binding)

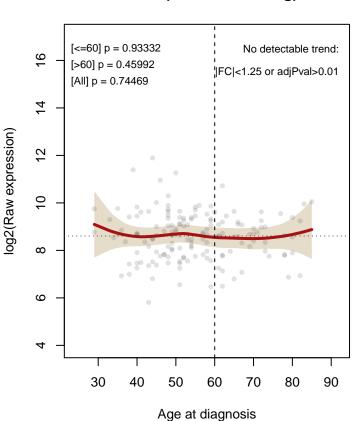




TCF3 (non-ER binding)

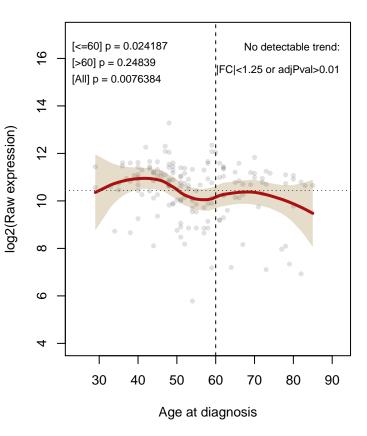
TCF7 (non-ER binding)

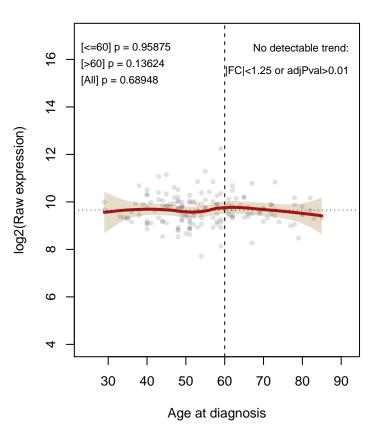






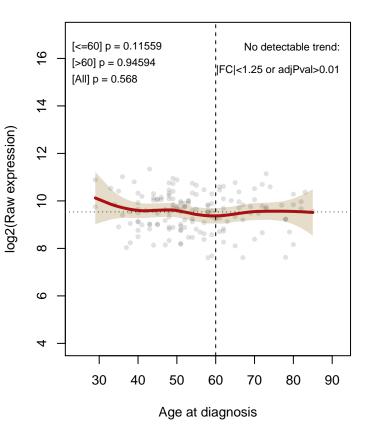
TCF7L2 (non-ER binding)

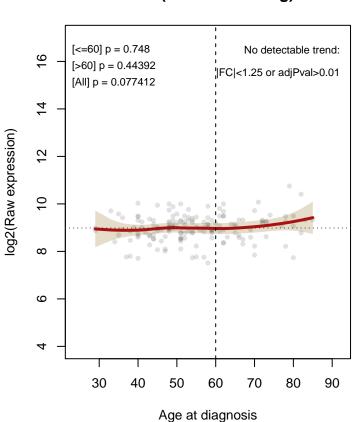


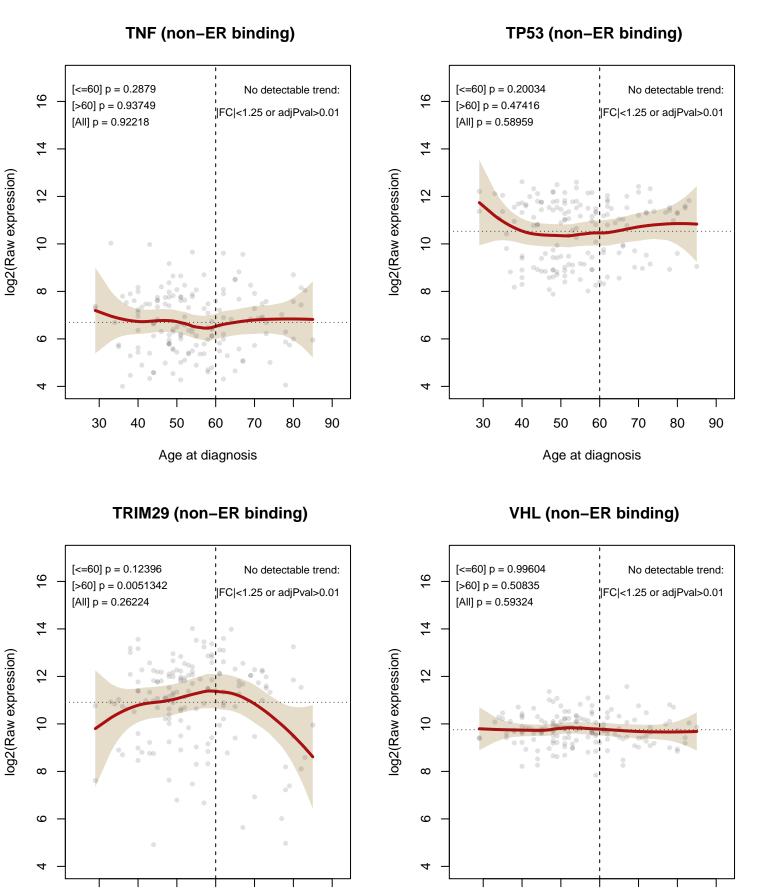


TGFB1 (non-ER binding)

TK2 (non-ER binding)





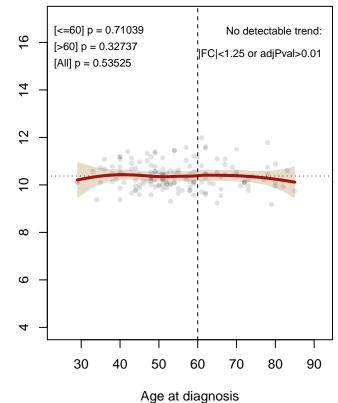


Age at diagnosis

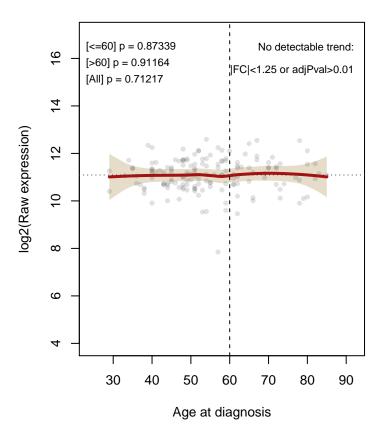
Age at diagnosis

WDR5 (non–ER binding)

WHSC1 (non-ER binding)

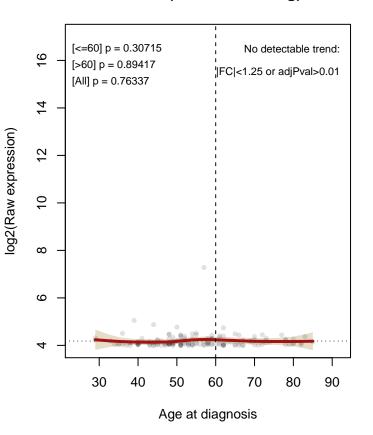


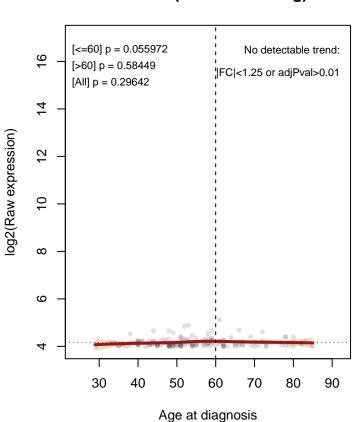
log2(Raw expression)

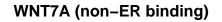


WNT1 (non-ER binding)

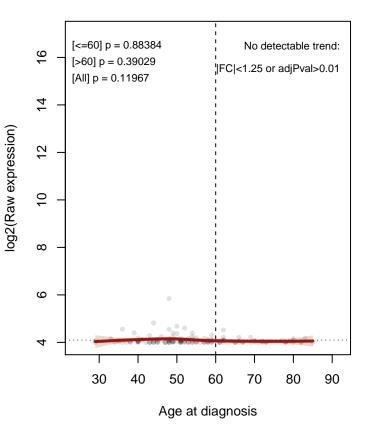
WNT3A (non-ER binding)

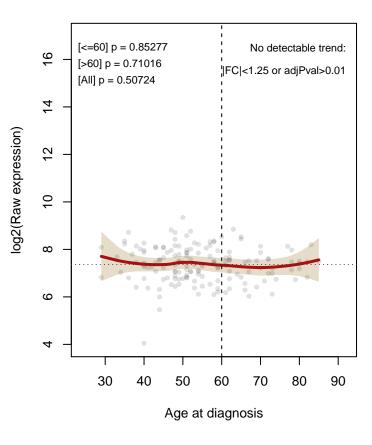






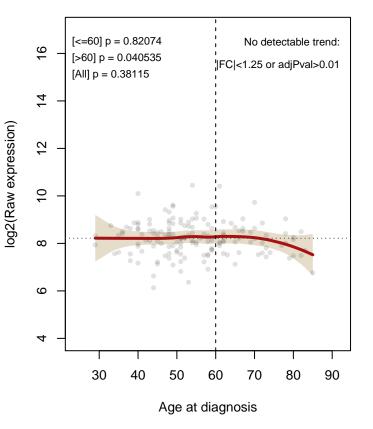
XRCC2 (non-ER binding)

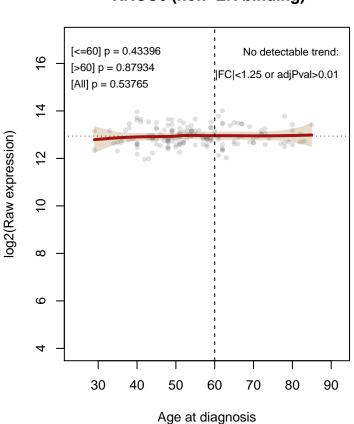




XRCC3 (non-ER binding)

XRCC6 (non-ER binding)

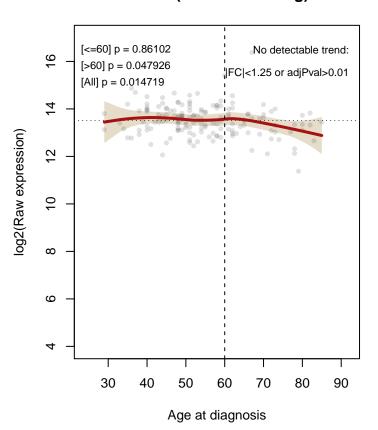




YAF2 (non-ER binding)

92 - [<=60] p = 0.74932 | No detectable trend: | FC|<1.25 or adjPval>0.01 | FC|<1.25 or adjPval>0.01 | No detectable trend: | FC|<1.25 or adjPval>

YBX1 (non-ER binding)



YY1 (non-ER binding)

Age at diagnosis

