

ASXL3 (non-ER binding) ATM (non-ER binding) [<=60] p = 0.40667No detectable trend: [<=60] p = 0.5111No detectable trend: 16 16 [>60] p = 0.38385 [>60] p = 0.00047518 |FC|<1.25 or adjPval>0.05 |FC|<1.25 or adjPval>0.05 [AII] p = 0.047805[All] p = 0.0694474 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 ATR (non-ER binding) **AXIN1 (ER binding)** [<=60] p = 0.61264No detectable trend: [<=60] p = 0.91077No detectable trend: 16 16 [>60] p = 0.00045735 [>60] p = 0.015557 |FC|<1.25 or adjPval>0.05 |FC|<1.25 or adjPval>0.05 [AII] p = 0.022647[AII] p = 0.000727984 4 log2(Raw expression) log2(Raw expression) 12 12 19 10 ω ω 9 9

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Age at diagnosis

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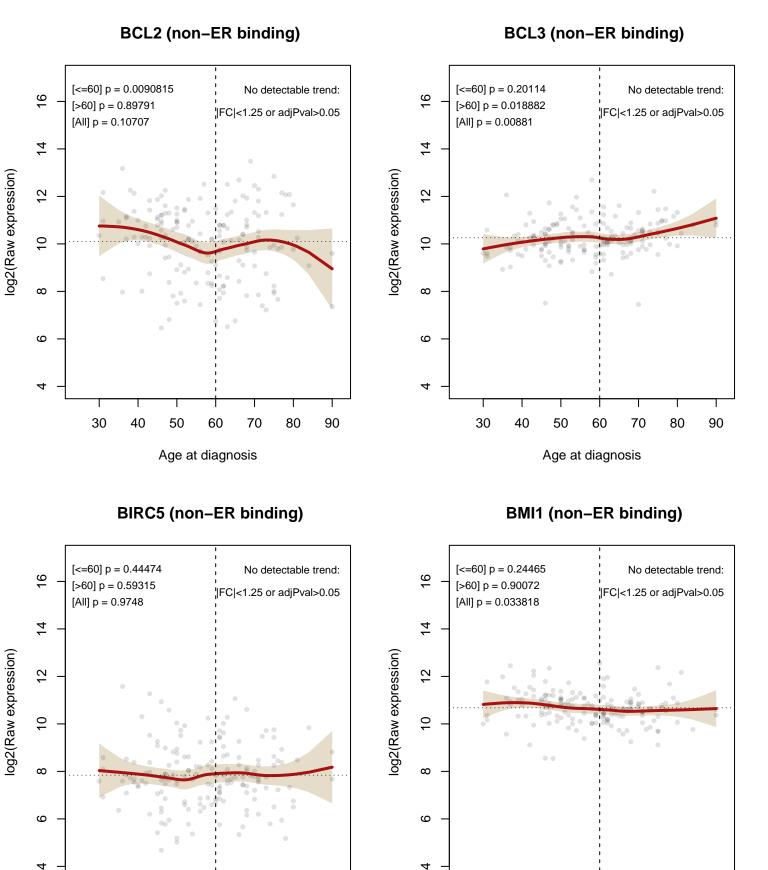
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Age at diagnosis

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Age at diagnosis

Age at diagnosis

BMX (non-ER binding) **BRCA1** (non-ER binding) [<=60] p = 0.97954No detectable trend: [<=60] p = 0.40367No detectable trend: 16 16 [>60] p = 0.3256 [>60] p = 0.23195 |FC|<1.25 or adjPval>0.05 |FC|<1.25 or adjPval>0.05 [All] p = 0.21115[All] p = 0.632764 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 = 0.03286No detectable trend: [<=60] p = 0.99786No detectable trend: 16 16 [>60] p = 0.37439 [>60] p = 0.0062245 |FC|<1.25 or adjPval>0.05 |FC|<1.25 or adjPval>0.05 [AII] p = 0.31779[AII] p = 0.0910644 4 log2(Raw expression) log2(Raw expression) 12 12 10 10 ω ω

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Age at diagnosis

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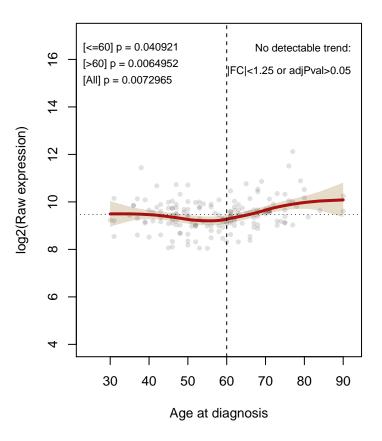
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Age at diagnosis

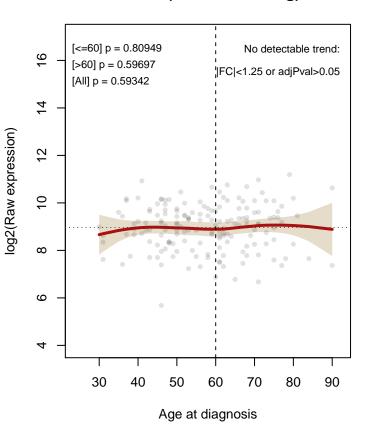
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CBX4 (non-ER binding)

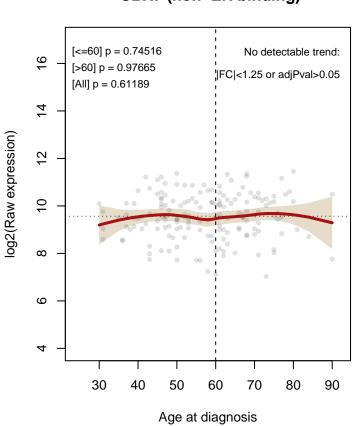


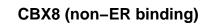
CBX6 (non-ER binding)

Age at diagnosis

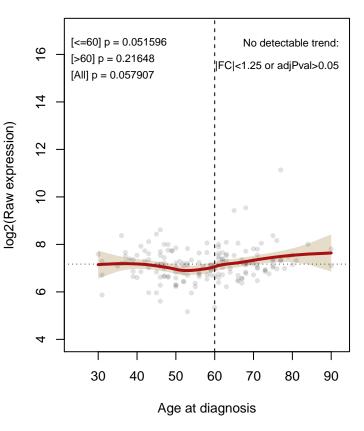


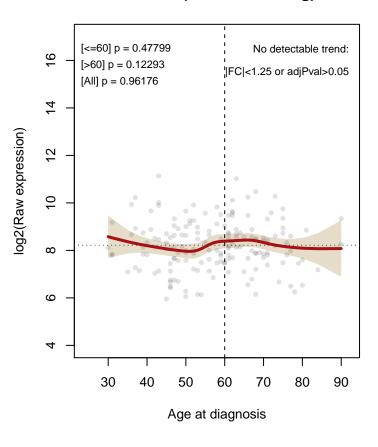
CBX7 (non-ER binding)





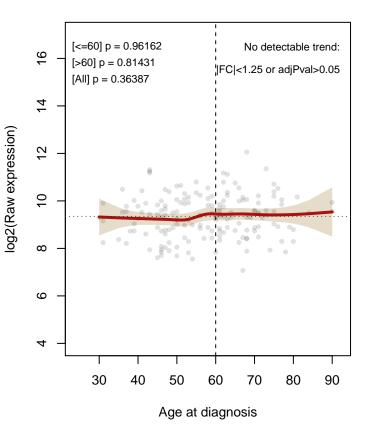
CCNA2 (non-ER binding)

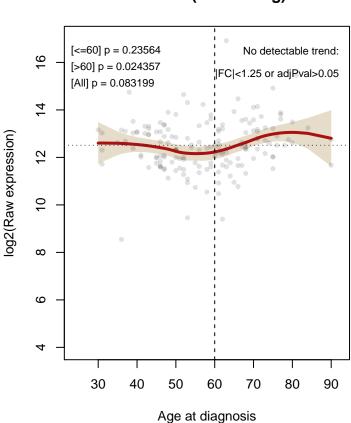




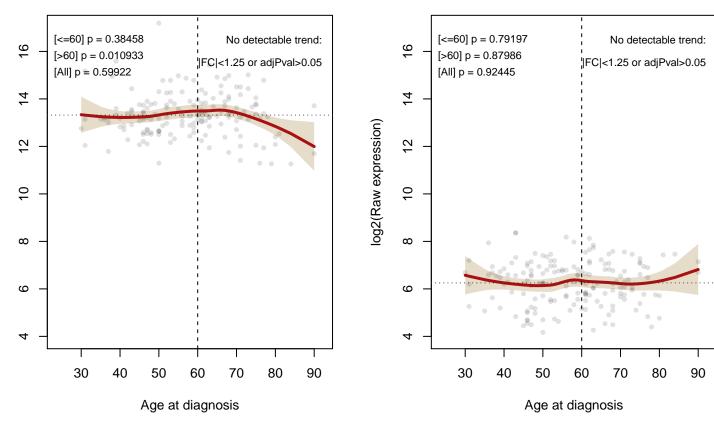
CCNB1 (non-ER binding)

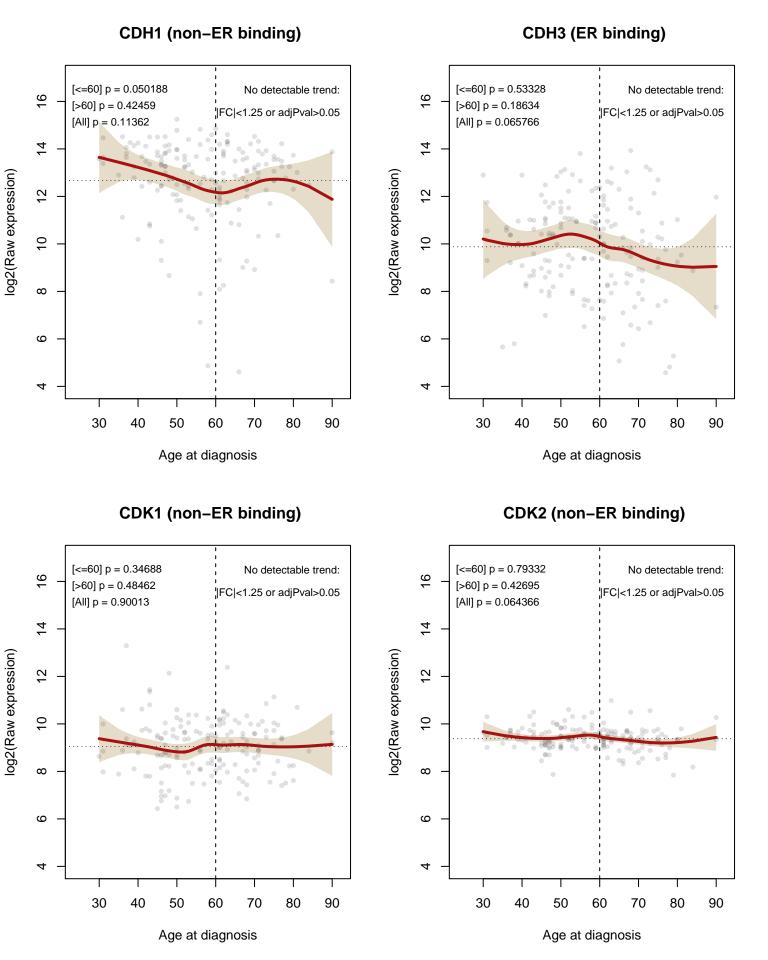
CCND1 (ER binding)

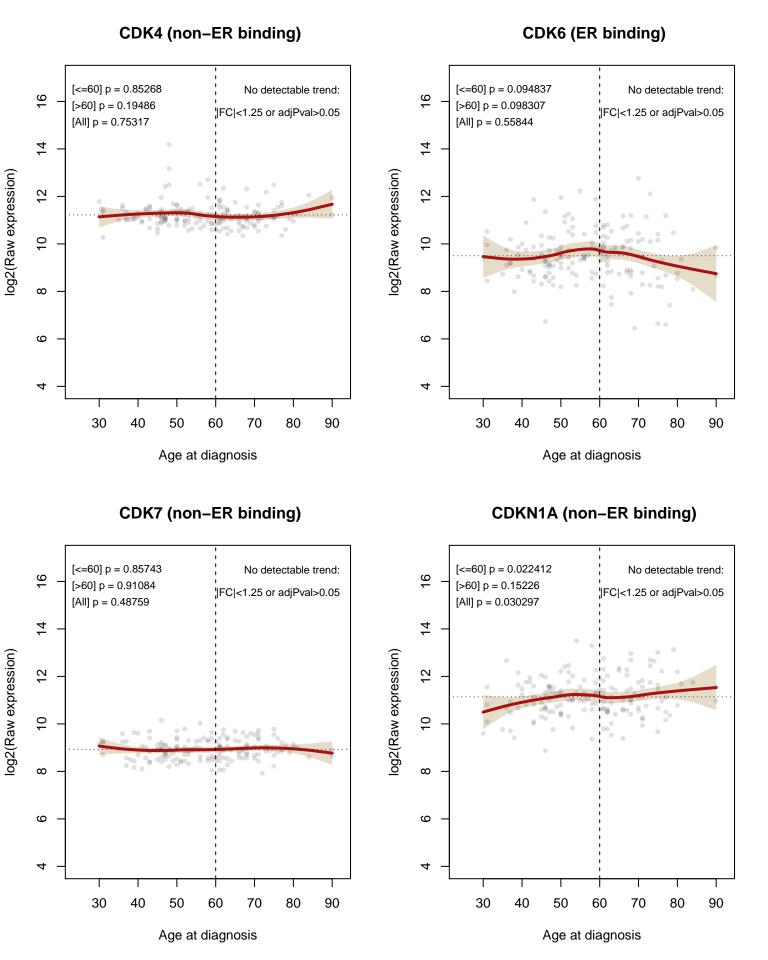




CCNE1 (non-ER binding) CD163 (non-ER binding) [<=60] p = 0.18184No detectable trend: [<=60] p = 0.008014No detectable trend: 16 16 [>60] p = 0.23031 [>60] p = 0.1543 |FC|<1.25 or adjPval>0.05 |FC|<1.25 or adjPval>0.05 [AII] p = 0.17864[All] p = 0.683724 4 log2(Raw expression) log2(Raw expression) 12 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 CD44 (non-ER binding) CDC25C (non-ER binding) [<=60] p = 0.38458No detectable trend: [<=60] p = 0.7919716 16 [>60] p = 0.010933 [>60] p = 0.87986|FC|<1.25 or adjPval>0.05 [All] p = 0.92445[All] p = 0.599224 4 log2(Raw expression)

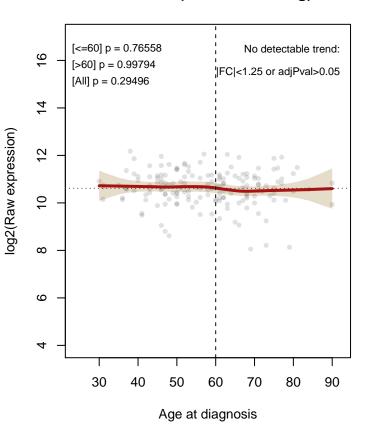


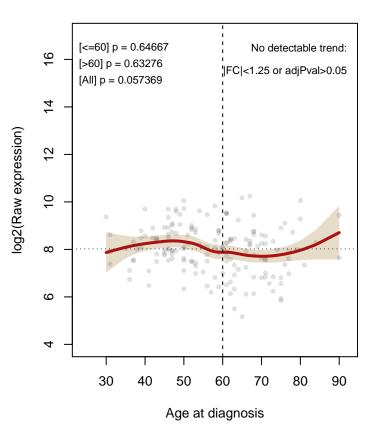




CDKN1B (non-ER binding)

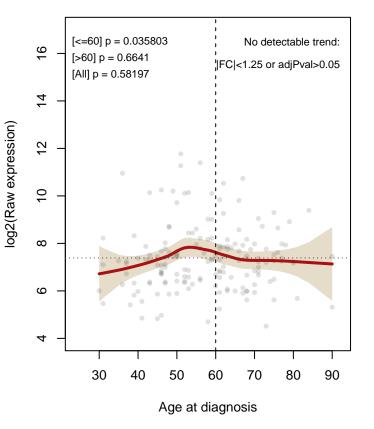
CDKN1C (non-ER binding)

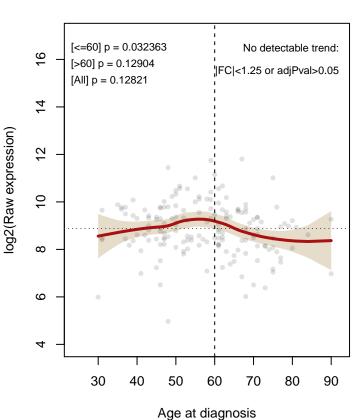




CDKN2A (non-ER binding)

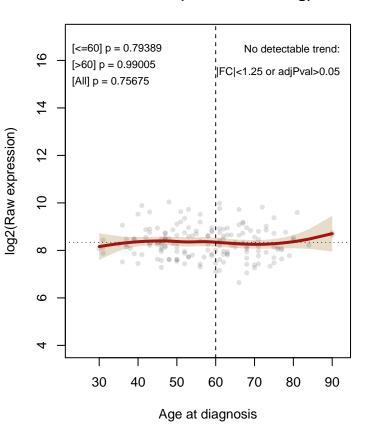
CDKN2B (non-ER binding)

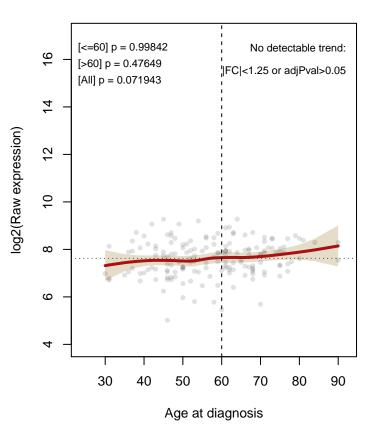




CDKN2C (non-ER binding)

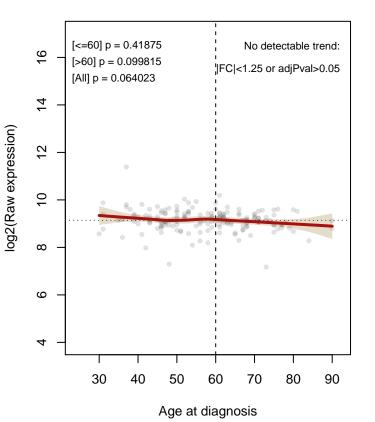
CDKN2D (non-ER binding)

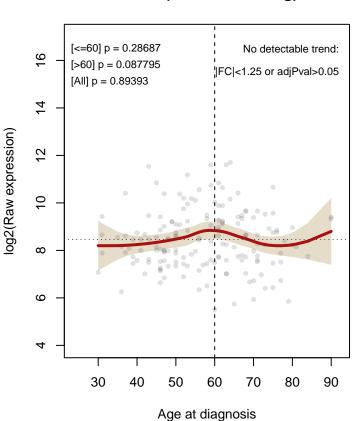




CHUK (non-ER binding)

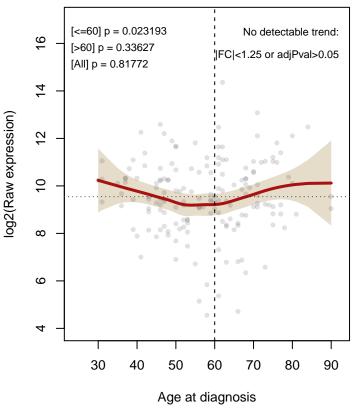
CIITA (non-ER binding)

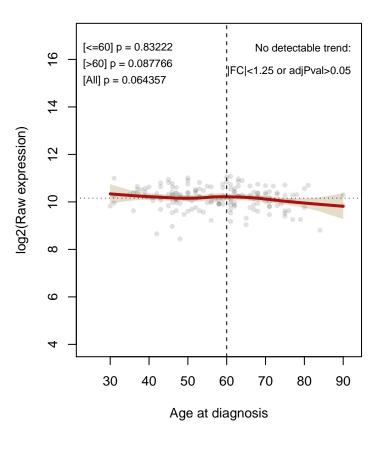




CLDN3 (non-ER binding)

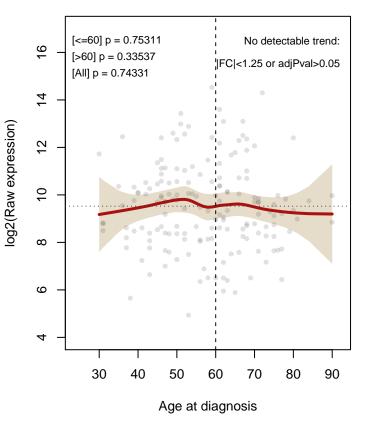
CREB1 (non-ER binding)

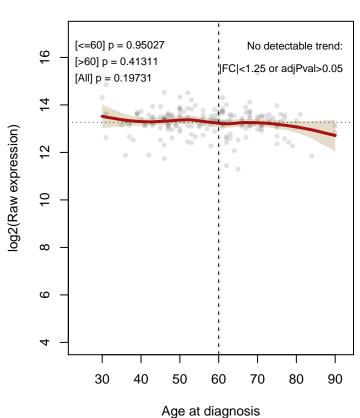




CRYAB (non-ER binding)

CTNNB1 (non-ER binding)





DLC1 (ER binding) DMAP1 (non-ER binding) [<=60] p = 0.14524No detectable trend: [<=60] p = 0.91061No detectable trend: 16 16 [>60] p = 0.32924 [>60] p = 0.14359 |FC|<1.25 or adjPval>0.05 |FC|<1.25 or adjPval>0.05 [All] p = 0.034483[All] p = 0.267024 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 **DNMT1** (non-ER binding) **DNMT3A (non-ER binding)** [<=60] p = 0.74174 No detectable trend: [<=60] p = 0.76078No detectable trend: 16 16 [>60] p = 0.29604 [>60] p = 0.024103 |FC|<1.25 or adjPval>0.05 |FC|<1.25 or adjPval>0.05 [All] p = 0.54225[All] p = 0.162134 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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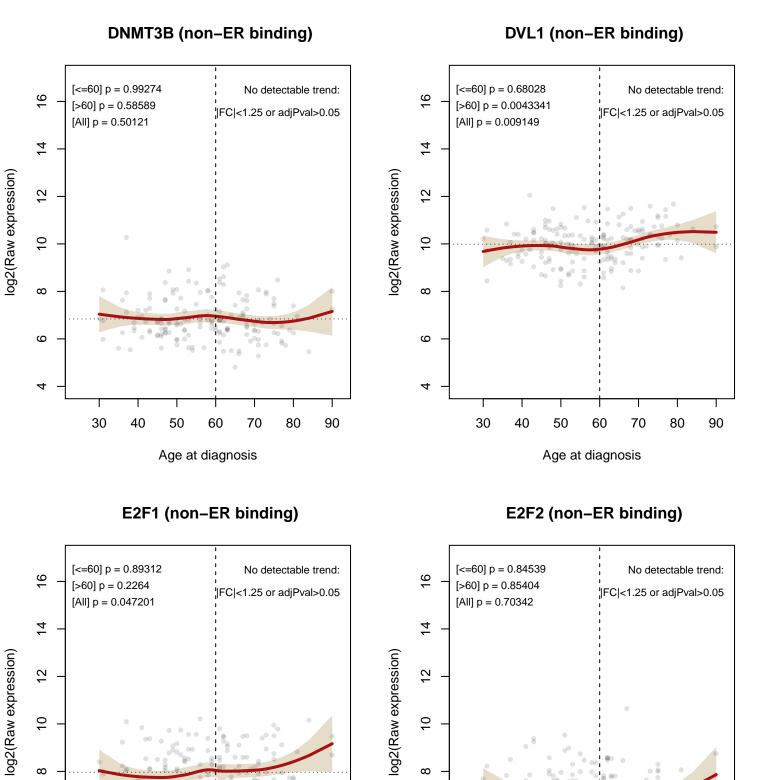
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Age at diagnosis

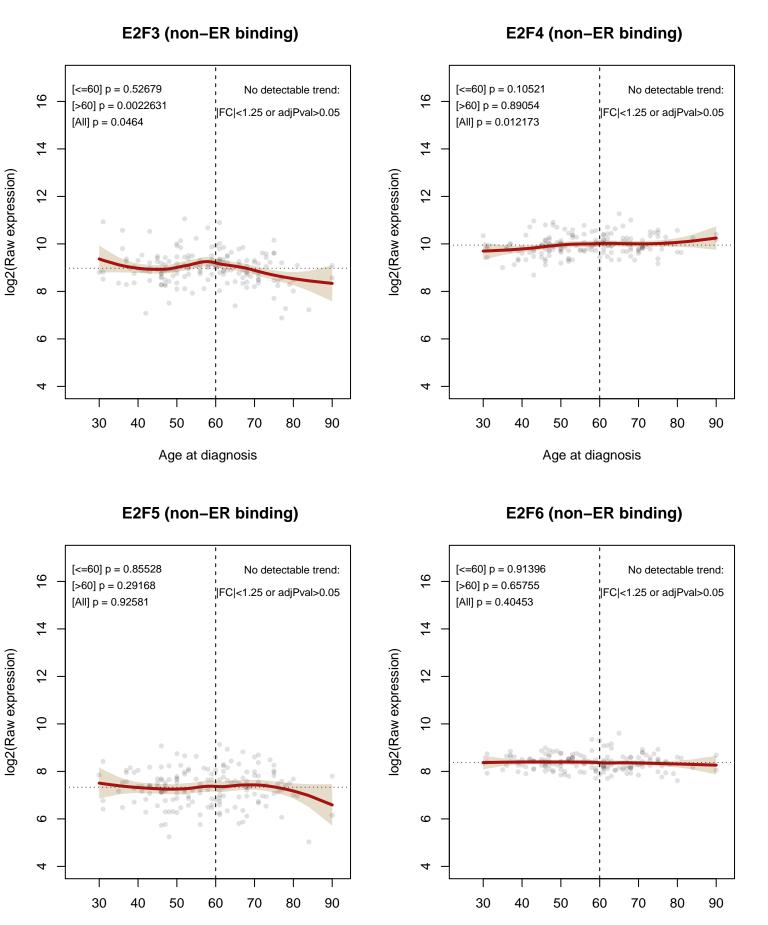
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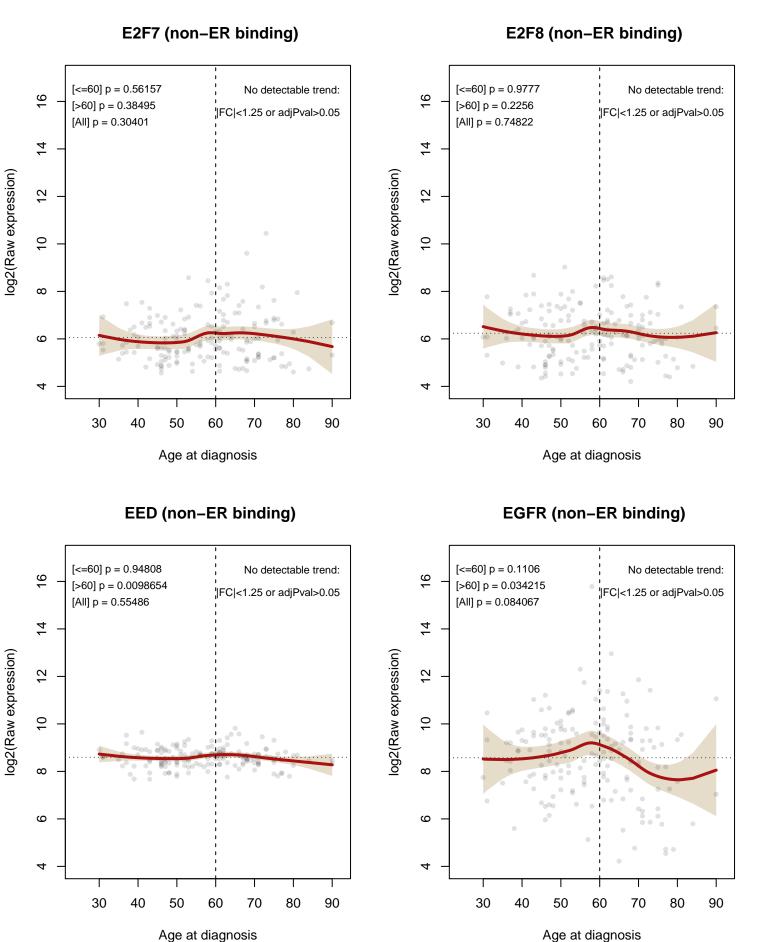
Age at diagnosis

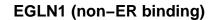
Age at diagnosis



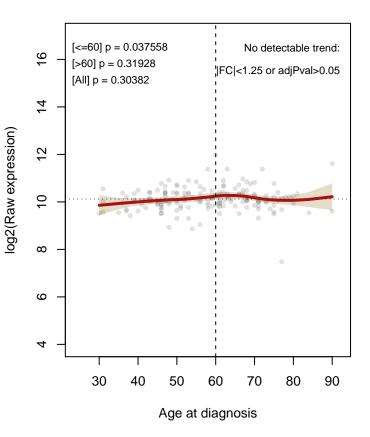
Age at diagnosis

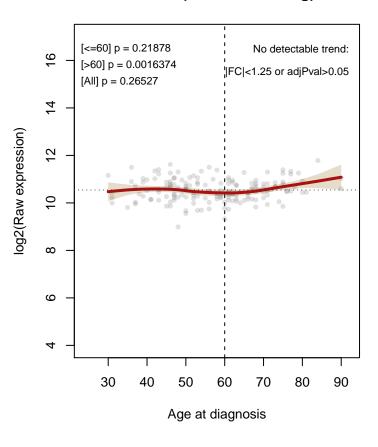
Age at diagnosis





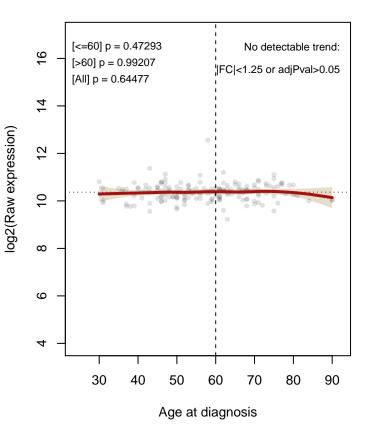
EHMT2 (non-ER binding)

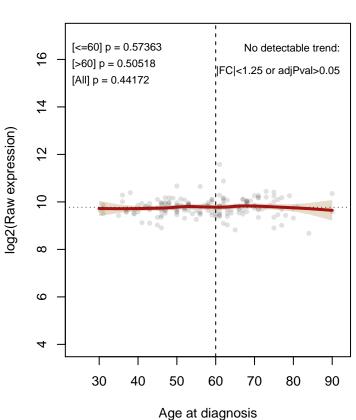




ELAC2 (non-ER binding)

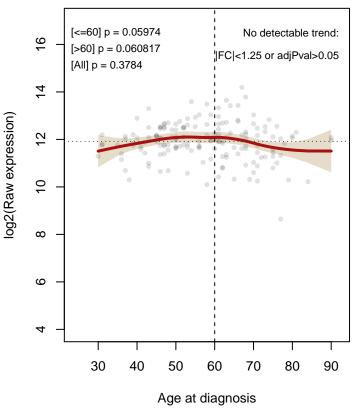
ELK1 (non-ER binding)





EP300 (non-ER binding) [<=60] p = 0.9963No detectable trend: 16 16 [>60] p = 0.0821 |FC|<1.25 or adjPval>0.05 [AII] p = 0.12134 4 log2(Raw expression) log2(Raw expression) 12 12 10 10 ω ω 9 9

EPAS1 (non-ER binding)



EPC1 (non-ER binding)

Age at diagnosis

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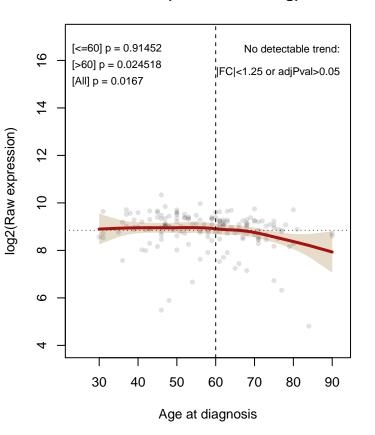
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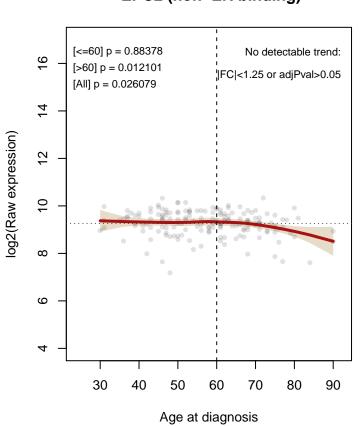
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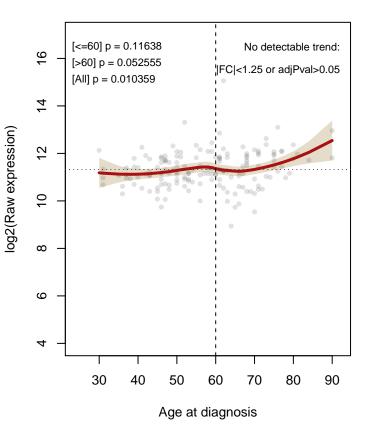


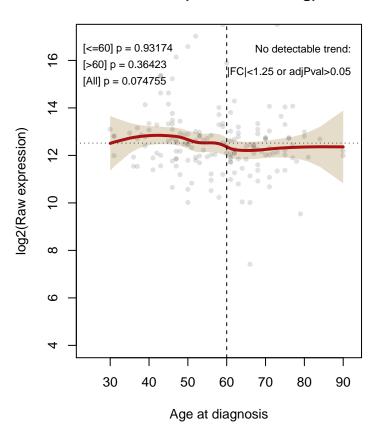
EPC2 (non-ER binding)





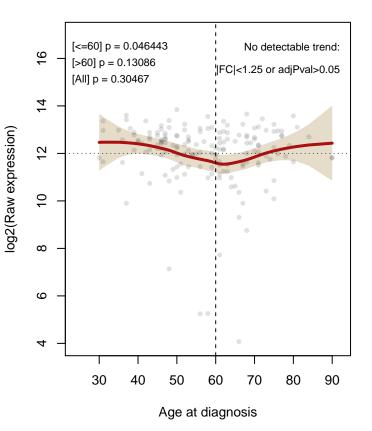
ERBB2 (non-ER binding)

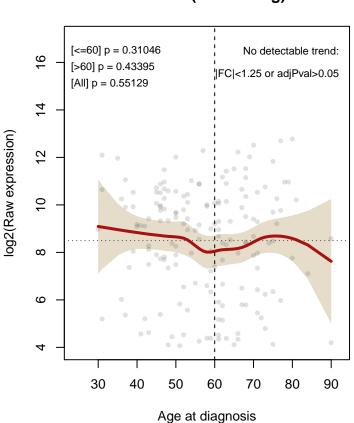


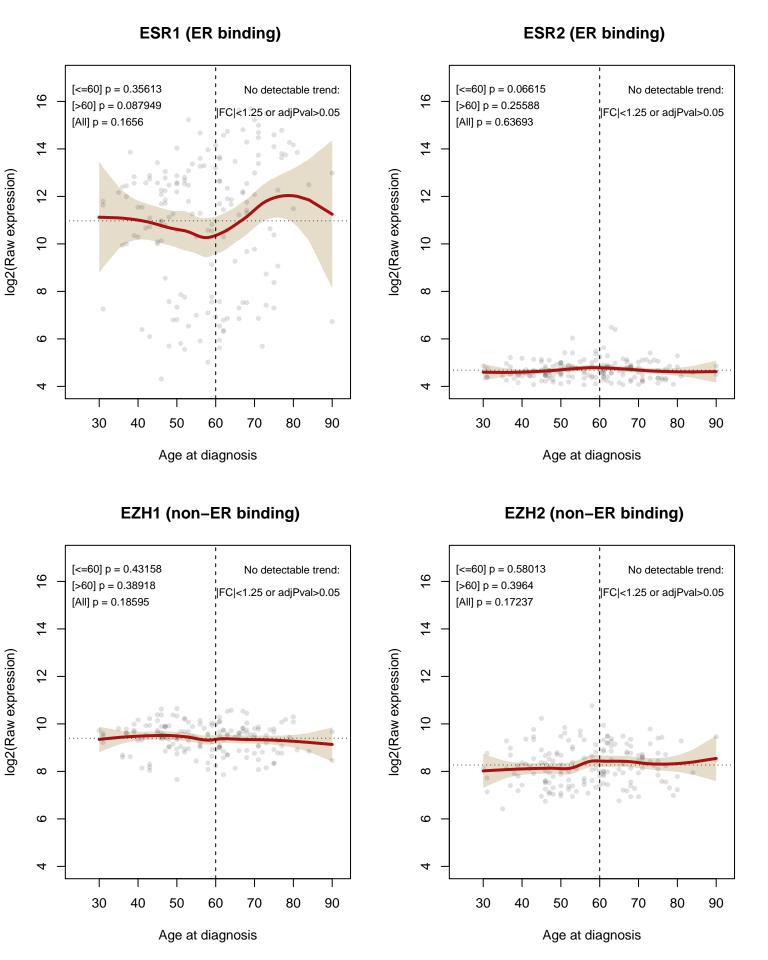


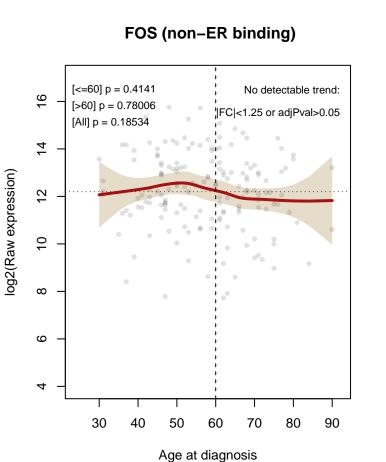
ERBB3 (non-ER binding)

ERBB4 (ER binding)

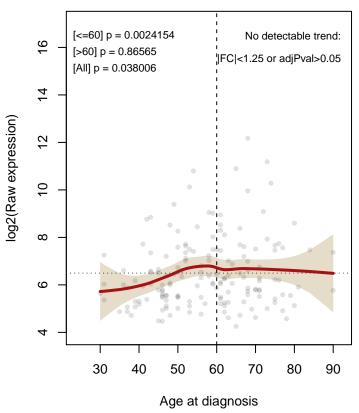




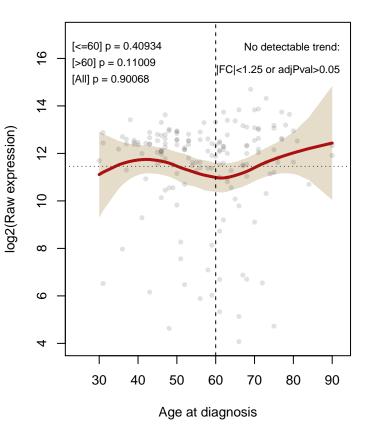




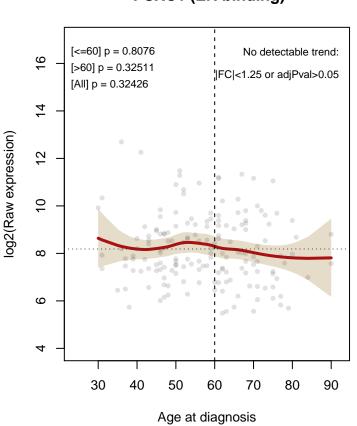
FOSL1 (non-ER binding)

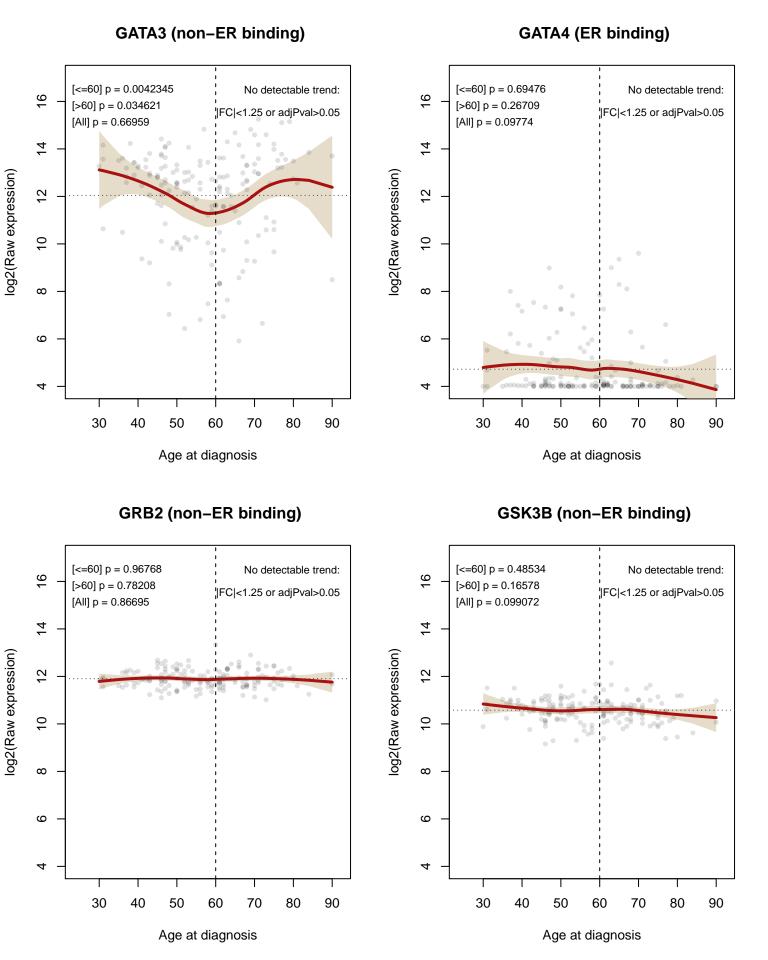


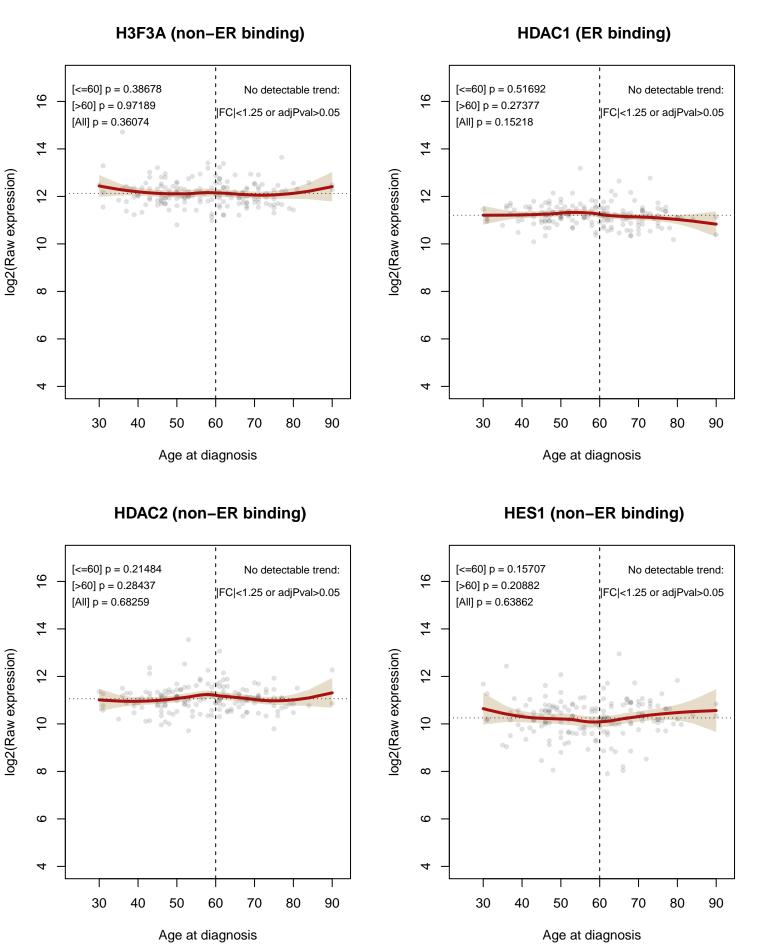
FOXA1 (ER binding)

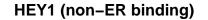


FOXC1 (ER binding)

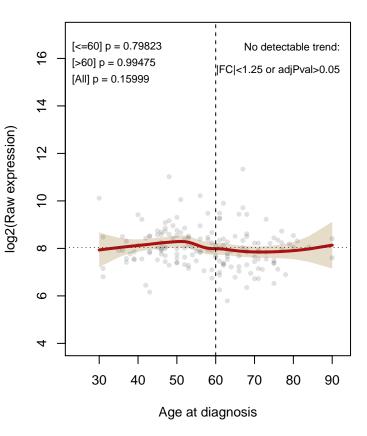


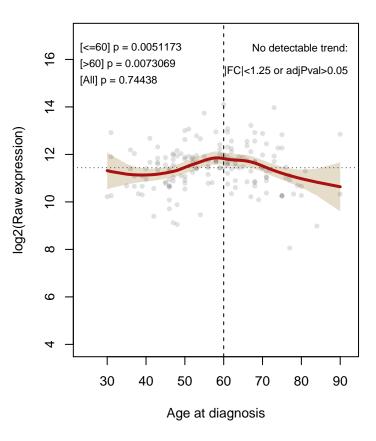






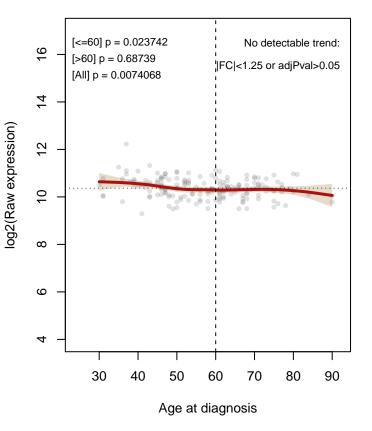
HIF1A (non-ER binding)

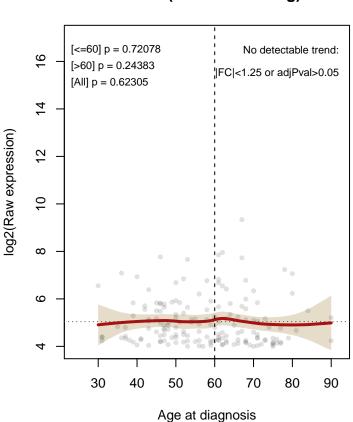




HIF1AN (non-ER binding)

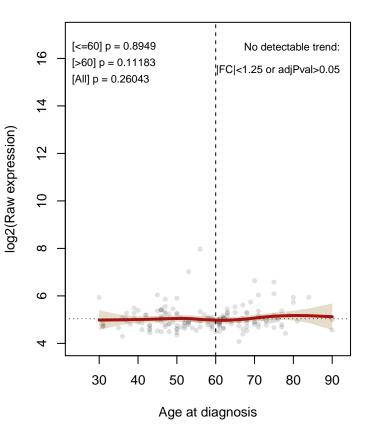
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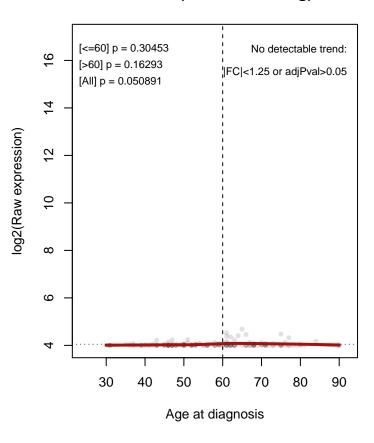






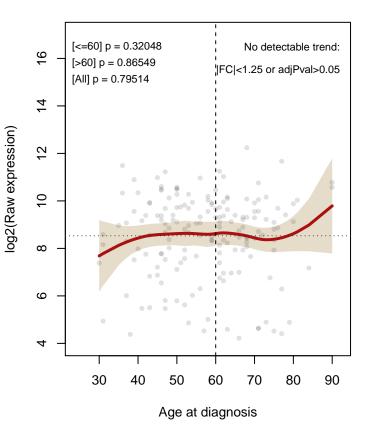
HNF1B (non-ER binding)

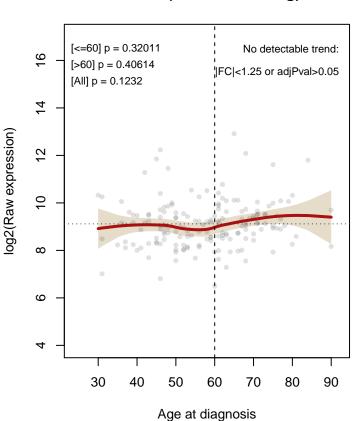




HOXC10 (non-ER binding)

HRAS (non-ER binding)





HSPB1 (non-ER binding) IGF1R (ER binding) [<=60] p = 0.70579No detectable trend: [<=60] p = 0.5004No detectable trend: 16 16 [>60] p = 0.024216 [>60] p = 0.48609 FC|<1.25 or adjPval>0.05 |FC|<1.25 or adjPval>0.05 [AII] p = 0.022096[All] p = 0.108574 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 IGFBP2 (non-ER binding) **IKBKB (ER binding)** [<=60] p = 0.093984No detectable trend: [<=60] p = 0.2389No detectable trend: 16 16 [>60] p = 0.067002 [>60] p = 0.2996 |FC|<1.25 or adjPval>0.05 |FC|<1.25 or adjPval>0.05 [All] p = 0.038731[All] p = 0.599144 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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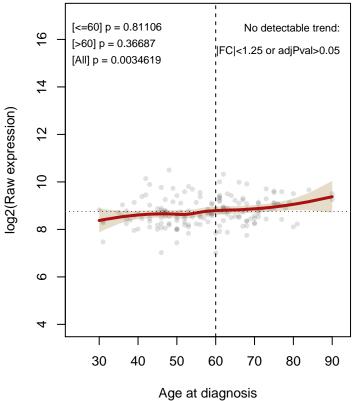
Age at diagnosis

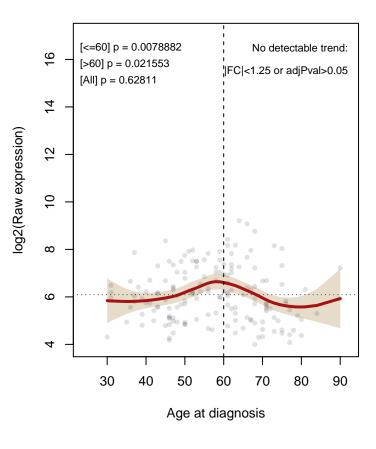
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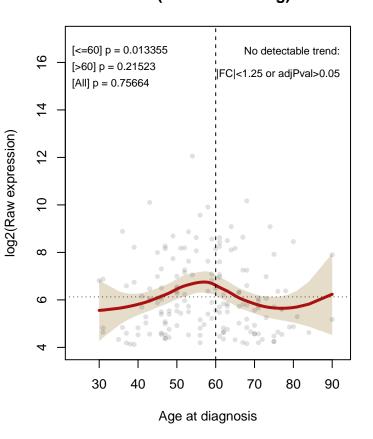
IL2RA (non-ER binding)

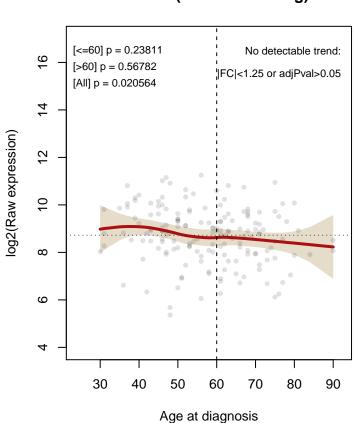


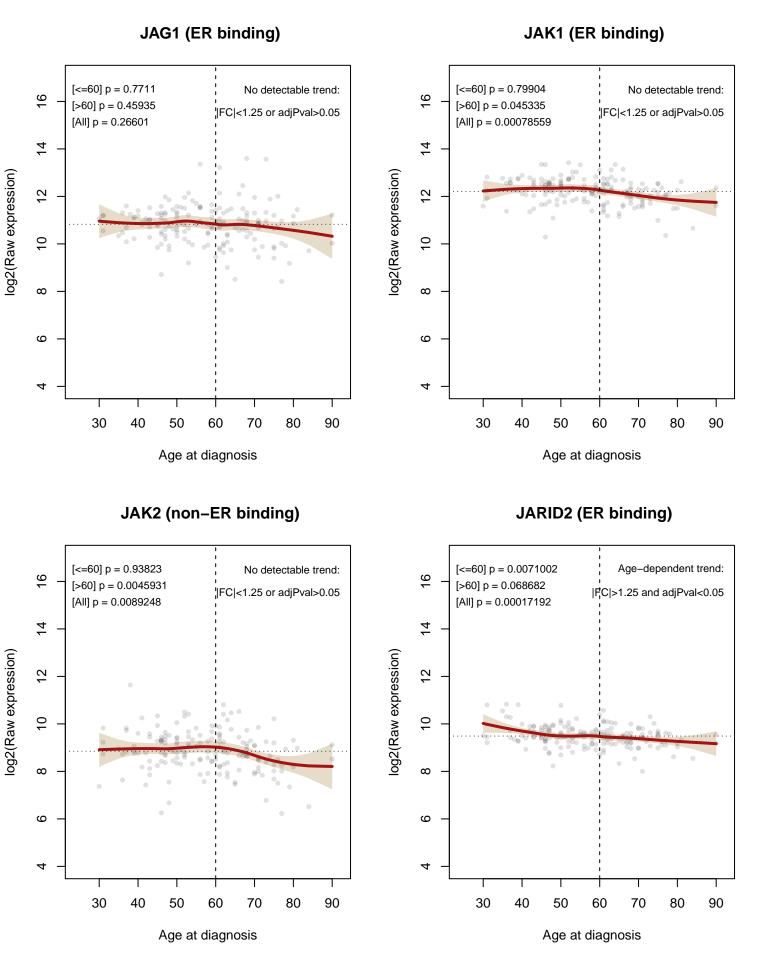


IL6 (non-ER binding)

INPP4B (non-ER binding)

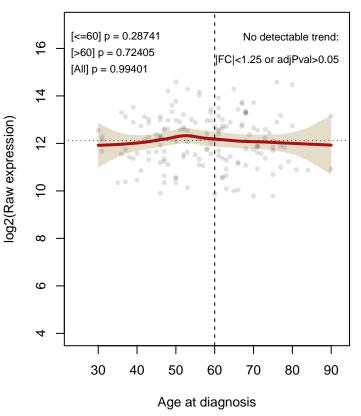


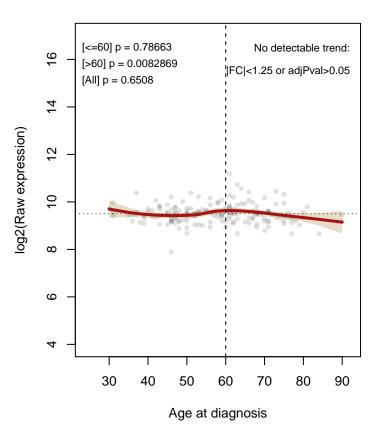






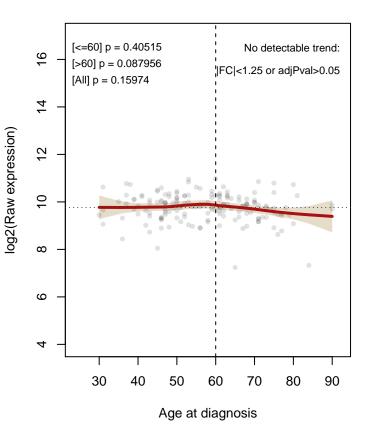
KDM2B (non-ER binding)

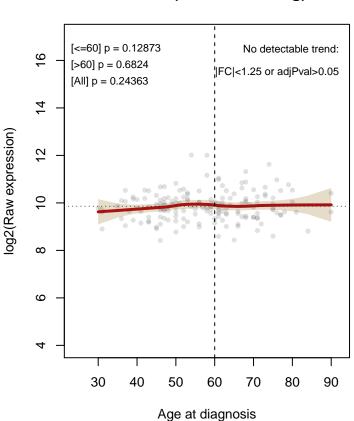


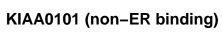


KDM6A (non-ER binding)

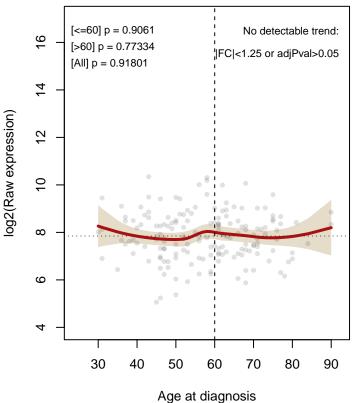
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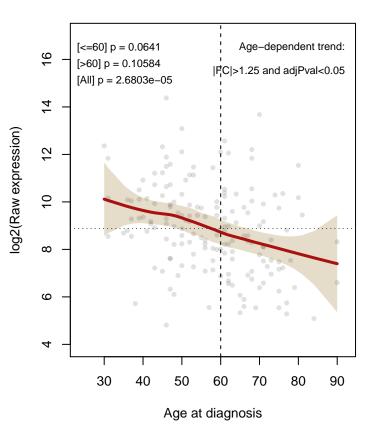






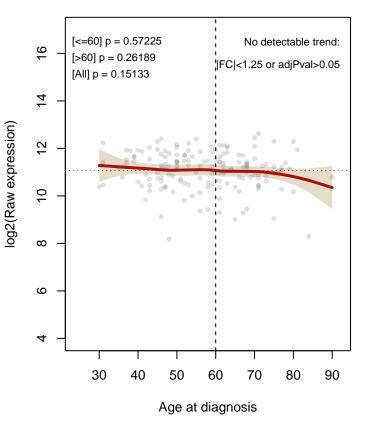
KIT (non-ER binding)

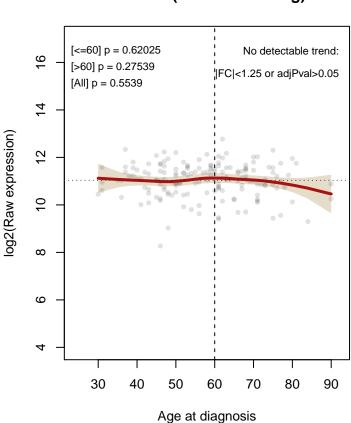




KMT2C (non-ER binding)

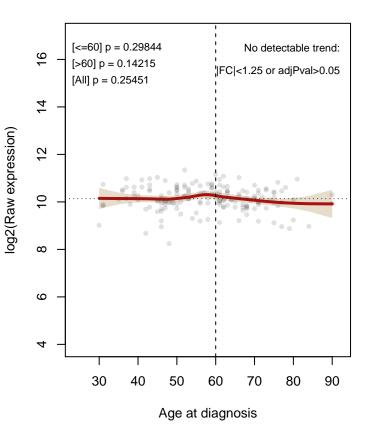
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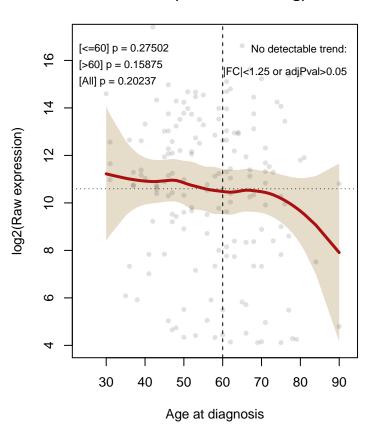






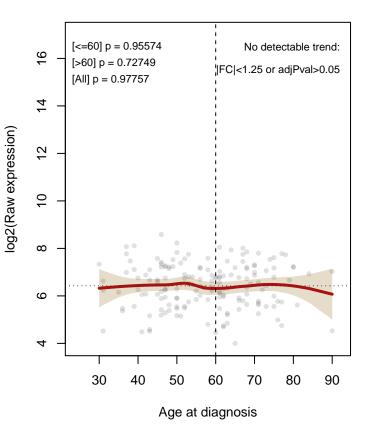
KRT5 (non-ER binding)

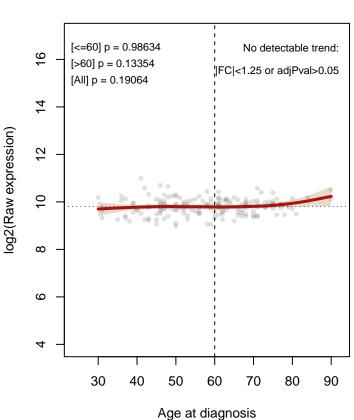




L3MBTL1 (non-ER binding)

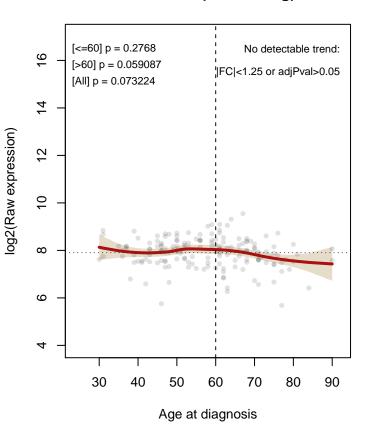
L3MBTL2 (non-ER binding)

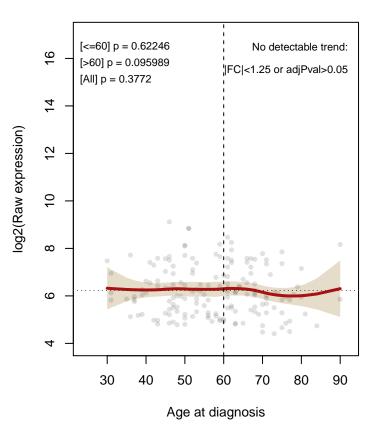




L3MBTL3 (ER binding)

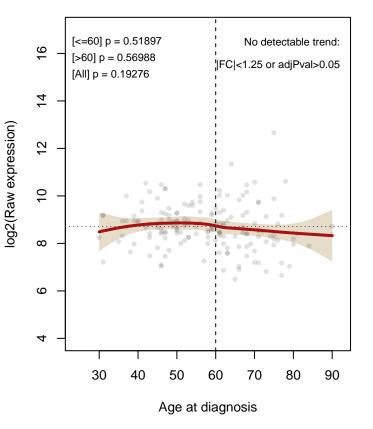
L3MBTL4 (non-ER binding)

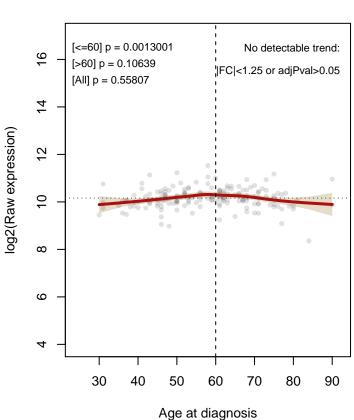


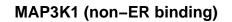


LEF1 (non-ER binding)

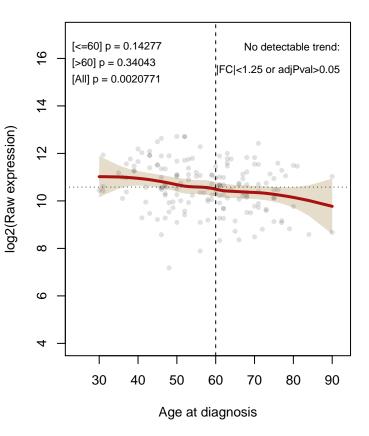
MAP2K1 (non-ER binding)

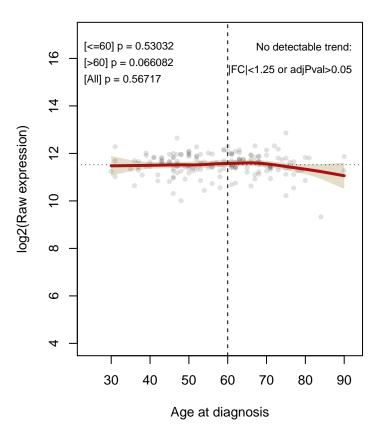






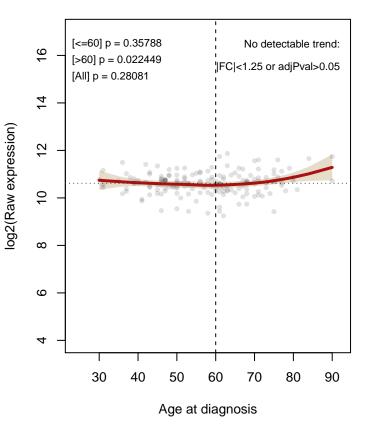
MAPK1 (non-ER binding)

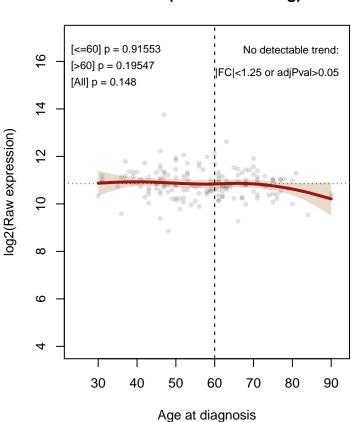


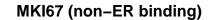


MAPK3 (non-ER binding)

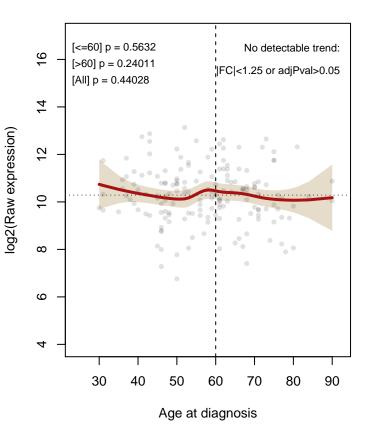
MDM2 (non-ER binding)

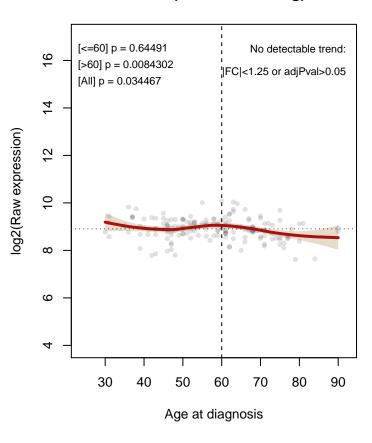






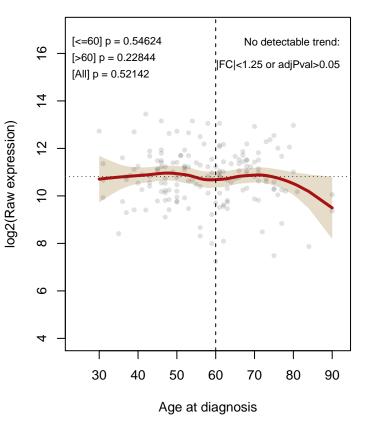
MTF2 (non-ER binding)

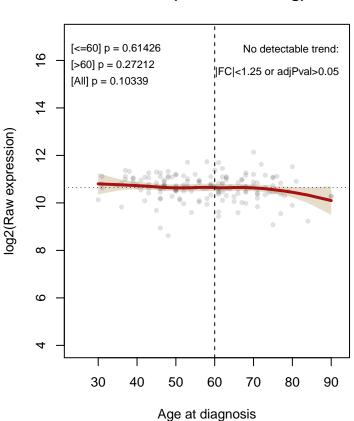




MYC (non-ER binding)

NCOA6 (non-ER binding)





NCOR1 (non-ER binding) **NES (non-ER binding)** [<=60] p = 0.97414No detectable trend: [<=60] p = 0.3443No detectable trend: 16 16 [>60] p = 0.098245 [>60] p = 0.46091 |FC|<1.25 or adjPval>0.05 |FC|<1.25 or adjPval>0.05 [AII] p = 0.085719[All] p = 0.146354 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 NFKB1 (non-ER binding) NFKB2 (non-ER binding) [<=60] p = 0.3712No detectable trend: [<=60] p = 0.49772No detectable trend: 16 16 [>60] p = 0.36979 [>60] p = 0.85175 |FC|<1.25 or adjPval>0.05 |FC|<1.25 or adjPval>0.05 [All] p = 0.17343[AII] p = 0.598994 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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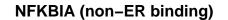
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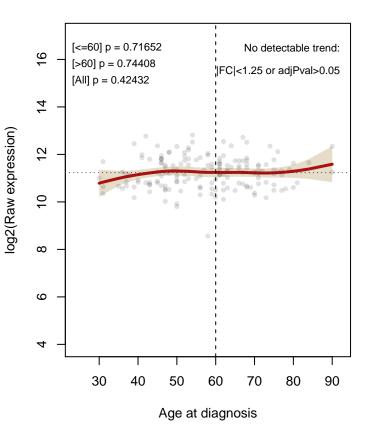
Age at diagnosis

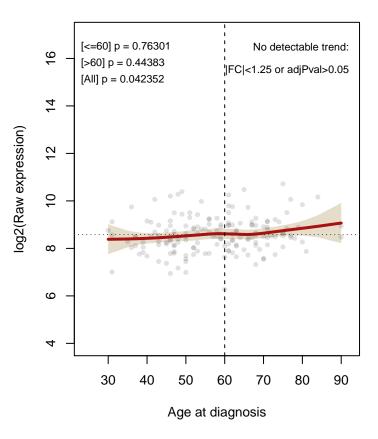
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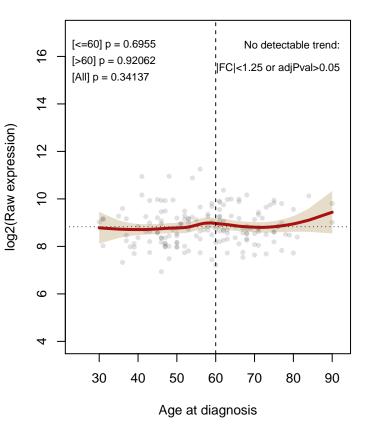
NFKBIB (non-ER binding)

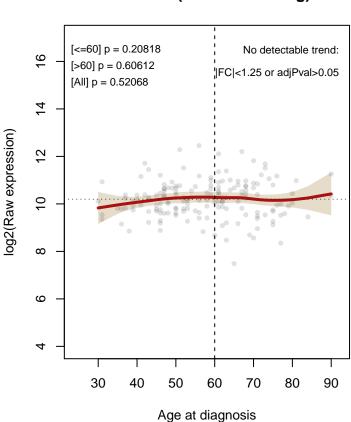




NFKBIE (non-ER binding)

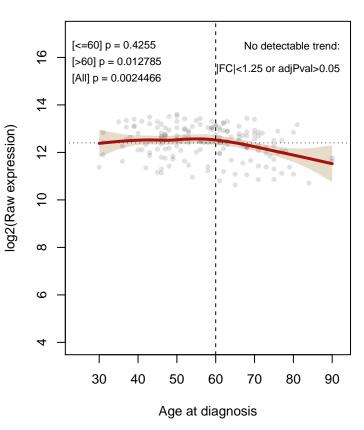
NOTCH1 (non-ER binding)

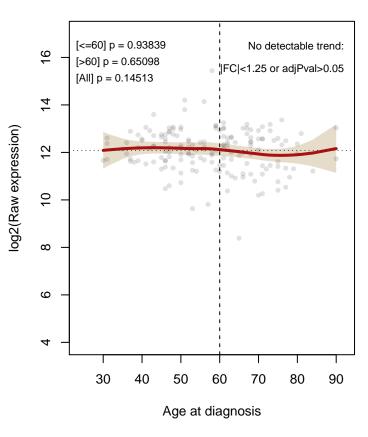




NOTCH2 (non-ER binding)

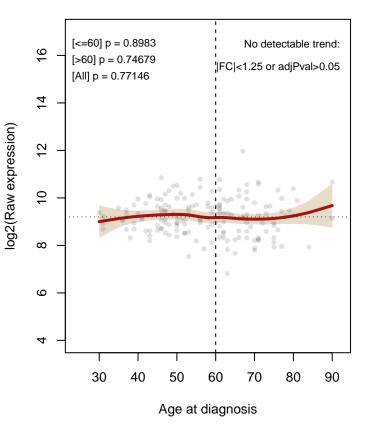
ER binding) NOTCH3 (non-ER binding)

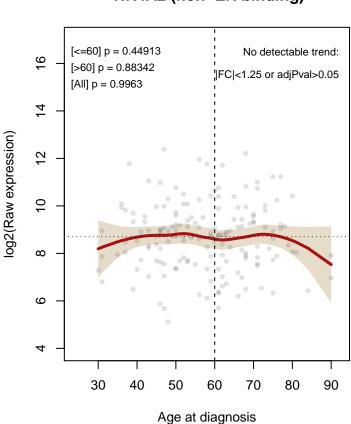




NOTCH4 (non-ER binding)

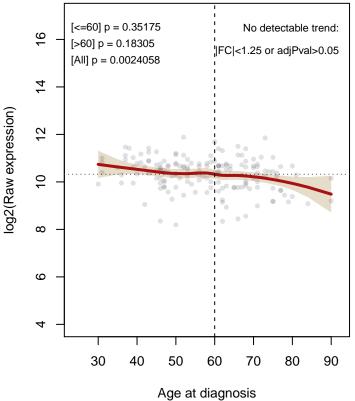
NR4A2 (non-ER binding)

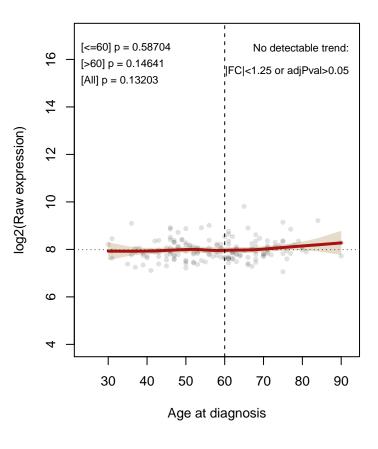






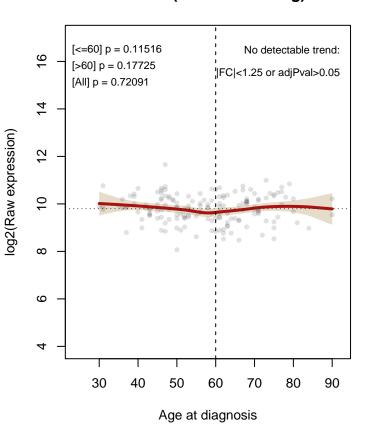
PCGF1 (non-ER binding)

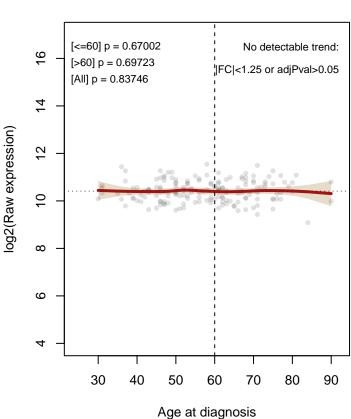




PCGF2 (non-ER binding)

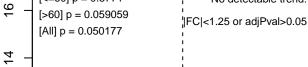
PCGF3 (non-ER binding)

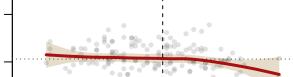












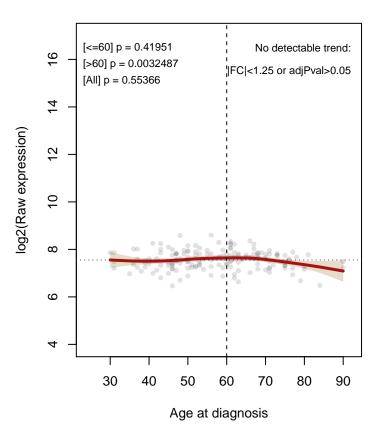
log2(Raw expression)

log2(Raw expression)



Age at diagnosis

PCGF6 (non-ER binding)

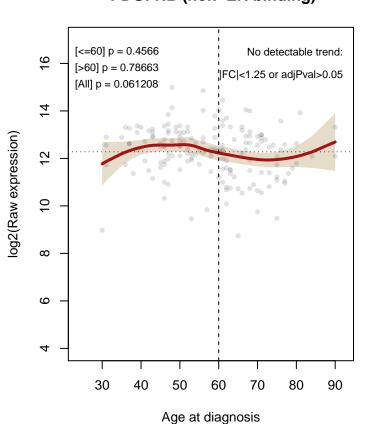


PDGFRA (non-ER binding)

[<=60] p = 0.53337No detectable trend: [>60] p = 0.10283 |FC|<1.25 or adjPval>0.05 [AII] p = 0.00019567ω

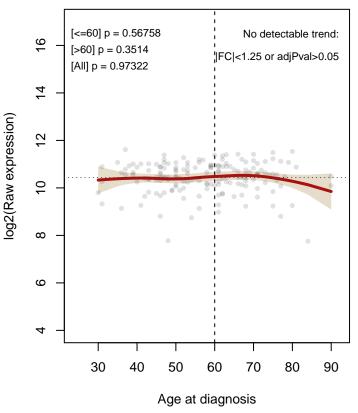
Age at diagnosis

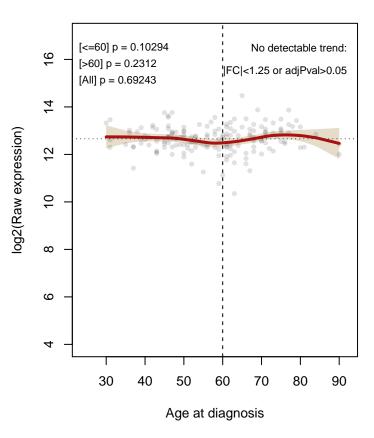
PDGFRB (non-ER binding)





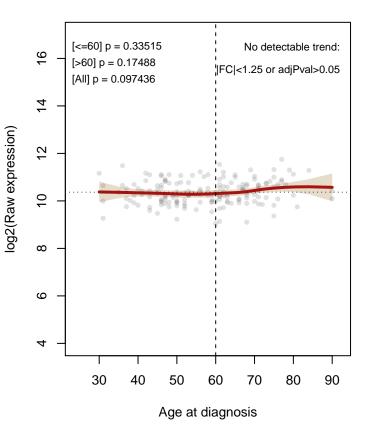
PEBP1 (non-ER binding)

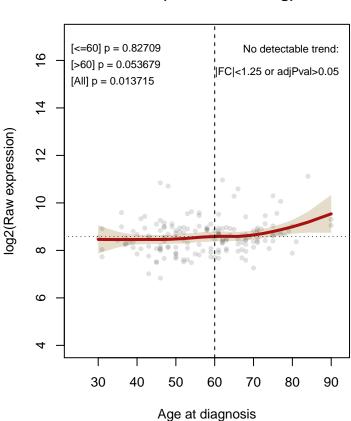


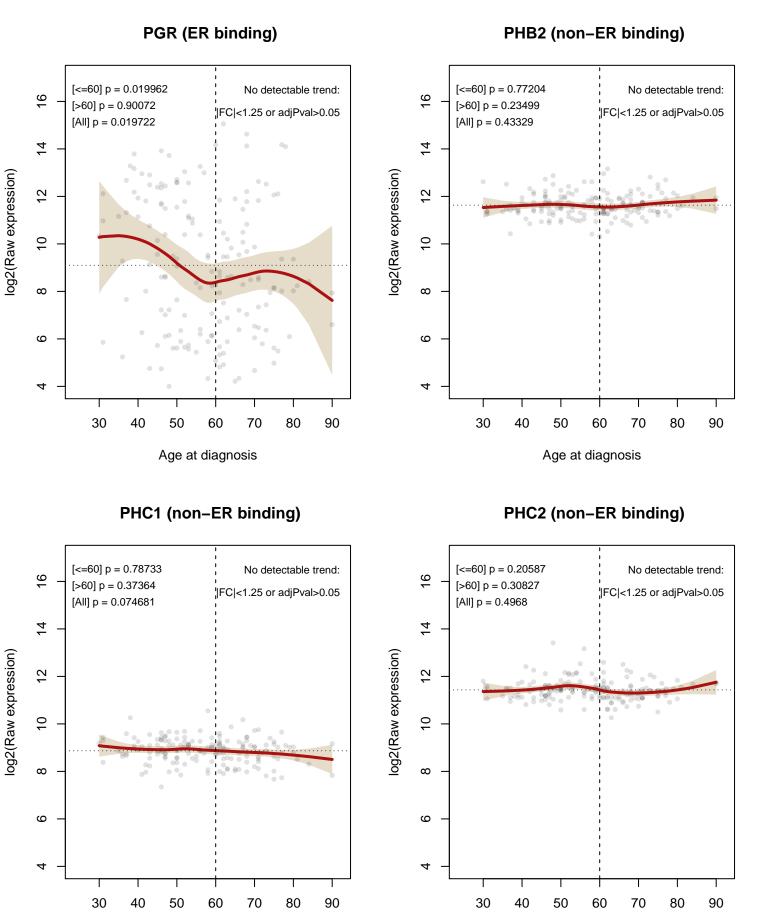


PELP1 (non-ER binding)

PGP (non-ER binding)







Age at diagnosis

Age at diagnosis

PHC3 (non-ER binding) PHF1 (non-ER binding) [<=60] p = 0.91457No detectable trend: [<=60] p = 0.42558No detectable trend: 16 16 [>60] p = 0.010024 [>60] p = 0.25561 |FC|<1.25 or adjPval>0.05 |FC|<1.25 or adjPval>0.05 [AII] p = 0.064228[AII] p = 0.0567964 4 log2(Raw expression) log2(Raw expression) 12 12 19 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 PHF19 (non-ER binding) PIK3CA (non-ER binding) [<=60] p = 0.76894No detectable trend: [<=60] p = 0.63698No detectable trend: 16 16 [>60] p = 0.68564[>60] p = 8.2298e-05 |FC|<1.25 or adjPval>0.05 |FC|<1.25 or adjPval>0.05 [AII] p = 0.80832[AII] p = 0.000349164 4 log2(Raw expression) log2(Raw expression) 12 12 19 10 ω ω 9 9

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Age at diagnosis

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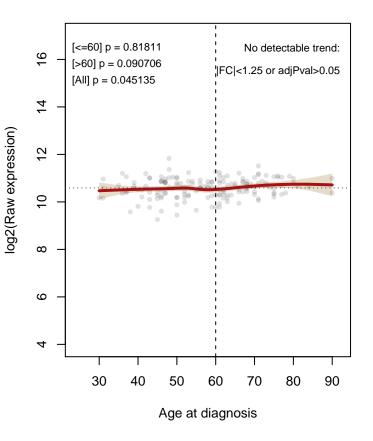
Age at diagnosis

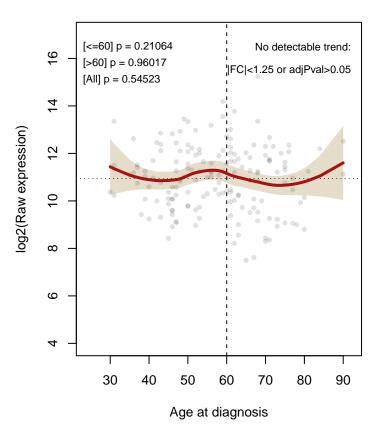
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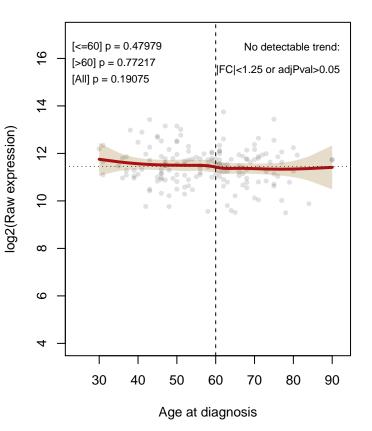
PLAU (non-ER binding)

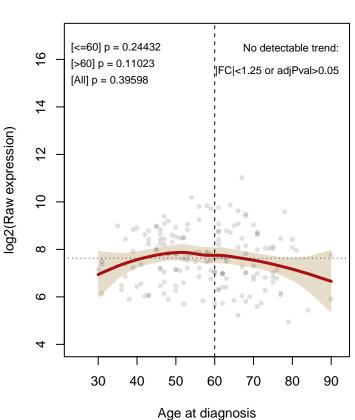




PODXL (non-ER binding)

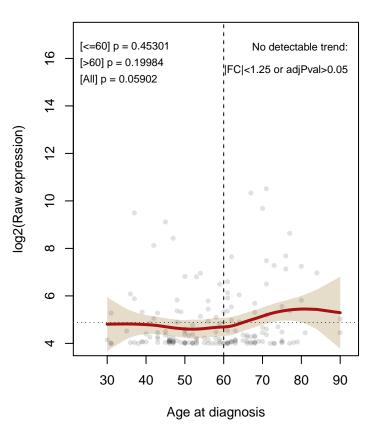
PPARG (ER binding)





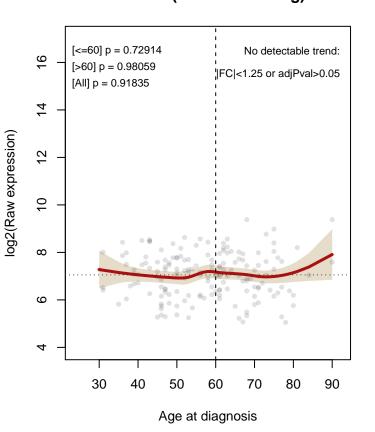
PTEN (non–ER binding) | Color | Color

PYDC1 (non-ER binding)

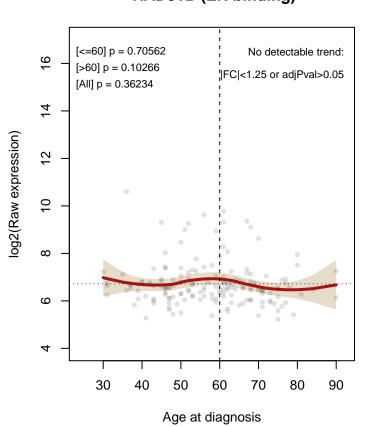


RAD51 (non-ER binding)

Age at diagnosis

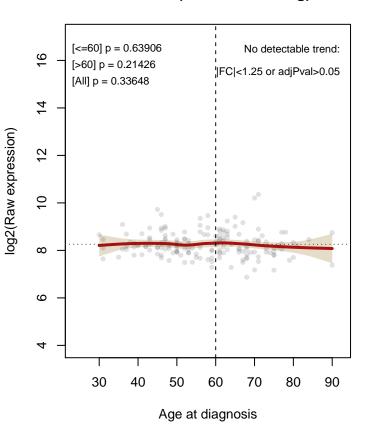


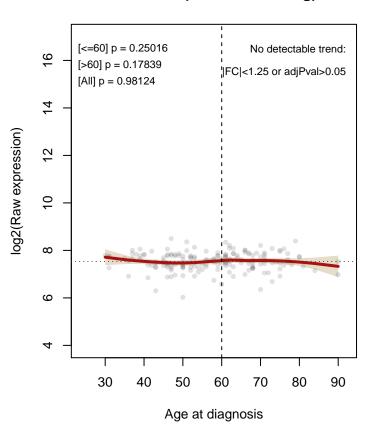
RAD51B (ER binding)



RAD51C (non-ER binding)

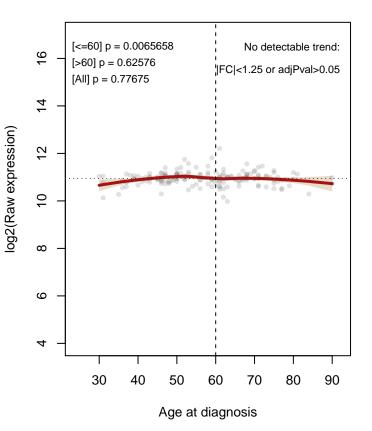
RAD51D (non-ER binding)

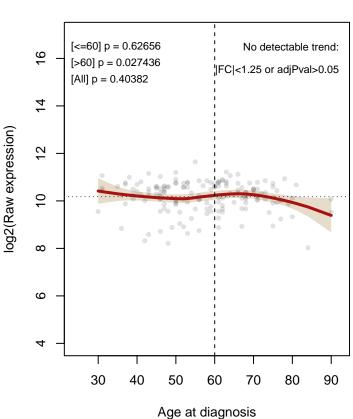




RAF1 (non-ER binding)

RB1 (non-ER binding)





RBBP4 (non-ER binding) RBBP5 (non-ER binding) [<=60] p = 0.92888No detectable trend: [<=60] p = 0.97991No detectable trend: 16 16 [>60] p = 0.045665 [>60] p = 0.068536 |FC|<1.25 or adjPval>0.05 |FC|<1.25 or adjPval>0.05 [AII] p = 0.0031877[All] p = 0.112944 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 RBBP7 (non-ER binding) **REL** (non-ER binding) [<=60] p = 0.39981No detectable trend: [<=60] p = 0.91615 No detectable trend: 16 16 [>60] p = 0.020672 [>60] p = 0.037788 |FC|<1.25 or adjPval>0.05 |FC|<1.25 or adjPval>0.05 [All] p = 0.45318[All] p = 0.122024 4 log2(Raw expression) log2(Raw expression) 12 12 10 10 ω ω

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Age at diagnosis

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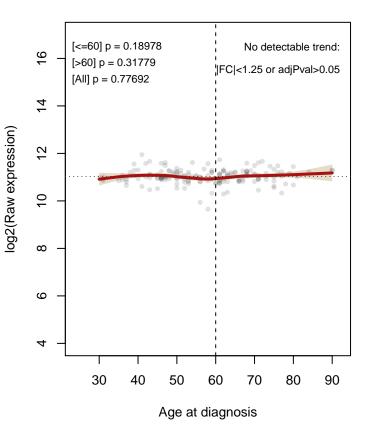
Age at diagnosis

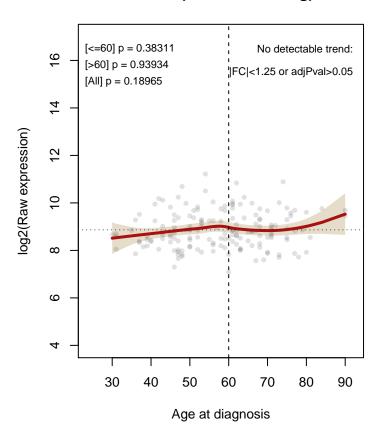
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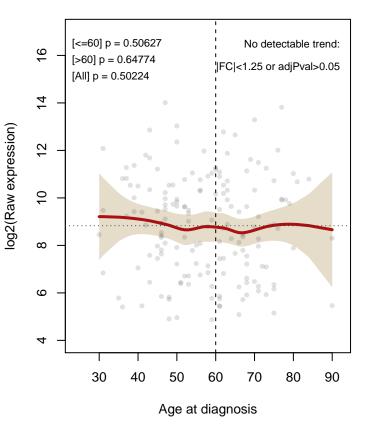
RELB (non-ER binding)

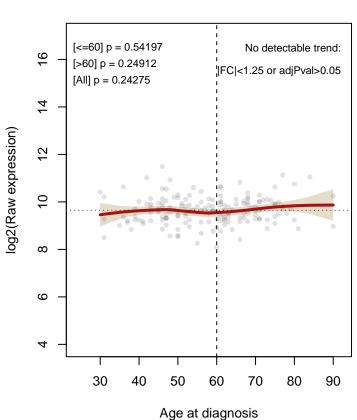


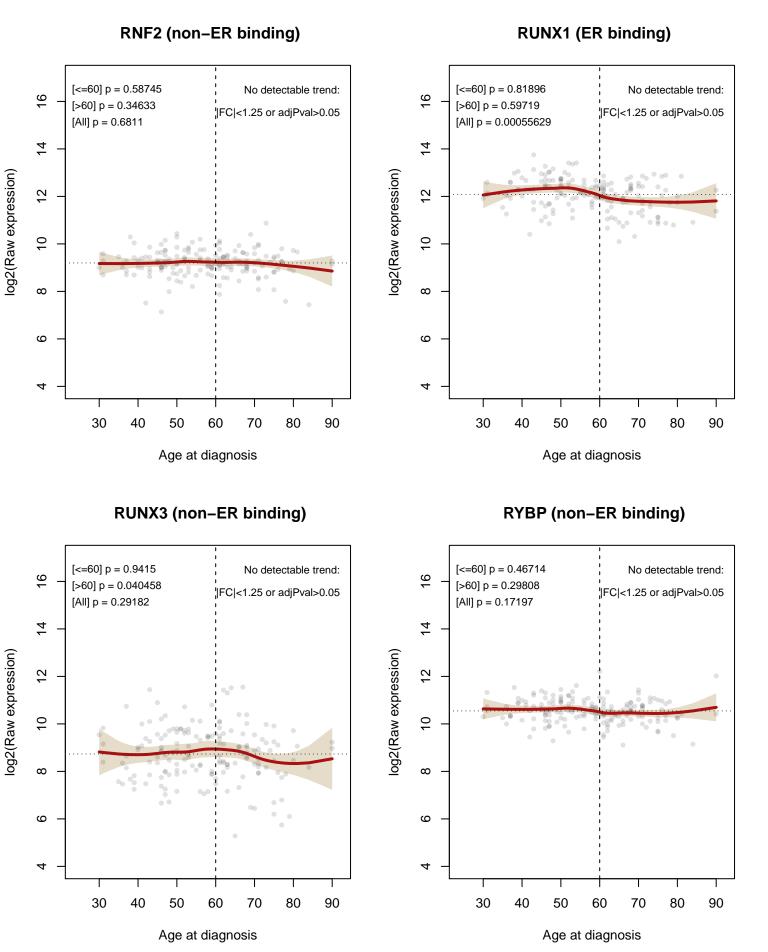


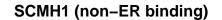
RET (ER binding)

RING1 (non-ER binding)

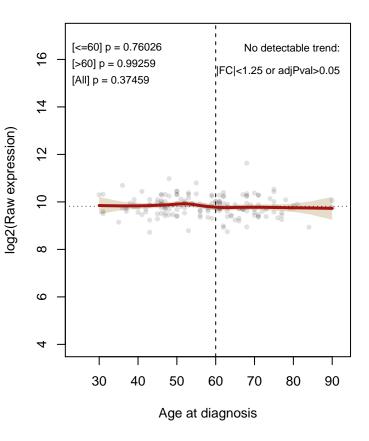


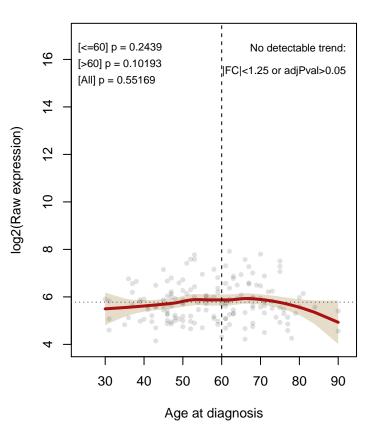






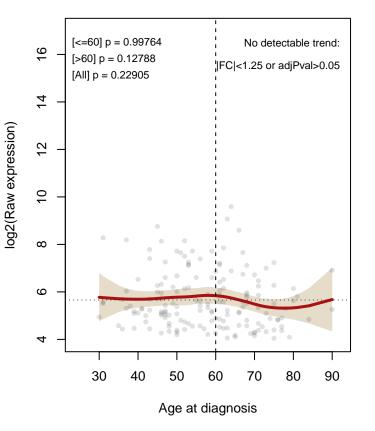
SCML2 (non-ER binding)

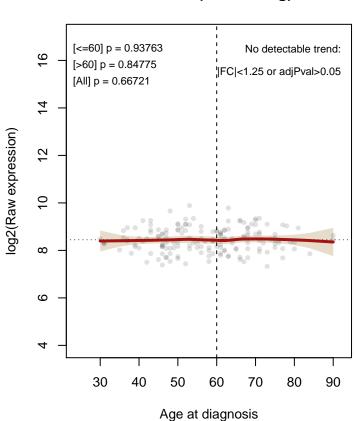




SCML4 (non-ER binding)

SFMBT1 (ER binding)





SFMBT2 (ER binding) SFPQ (non-ER binding) [<=60] p = 0.54164No detectable trend: [<=60] p = 0.8443No detectable trend: 16 16 [>60] p = 0.072376 [>60] p = 0.22766 |FC|<1.25 or adjPval>0.05 |FC|<1.25 or adjPval>0.05 [AII] p = 0.030762[All] p = 0.18434 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 SHC1 (non-ER binding) SIRT1 (non-ER binding) [<=60] p = 0.04297 No detectable trend: [<=60] p = 0.74849No detectable trend: 16 16 [>60] p = 0.059343 [>60] p = 0.99356 |FC|<1.25 or adjPval>0.05 |FC|<1.25 or adjPval>0.05 [AII] p = 0.93289[All] p = 0.0712754 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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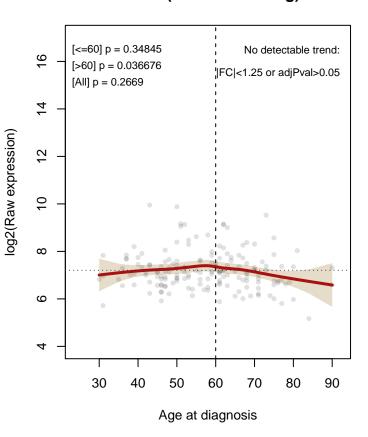
Age at diagnosis

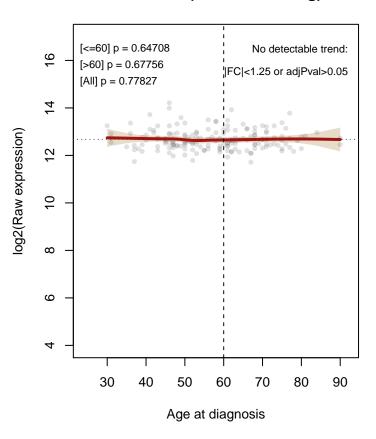
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SKP2 (non-ER binding)

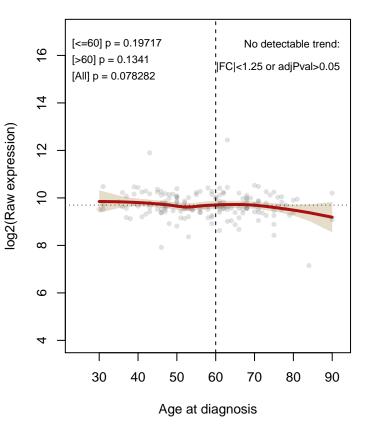
SLC25A3 (non-ER binding)

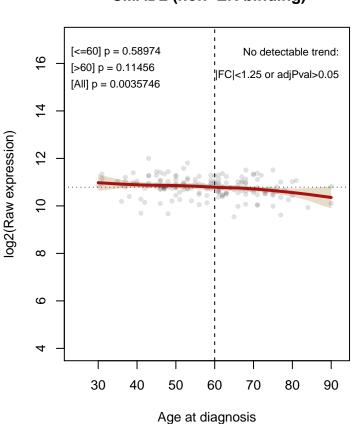




SMAD1 (non-ER binding)

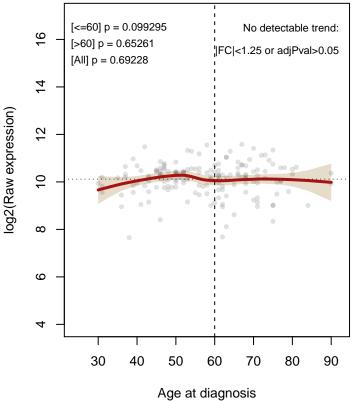
SMAD2 (non-ER binding)

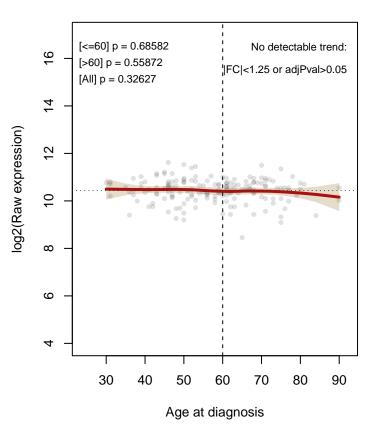




SMAD3 (ER binding)

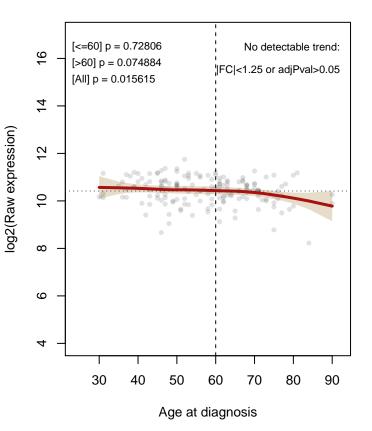
SMAD4 (non-ER binding)

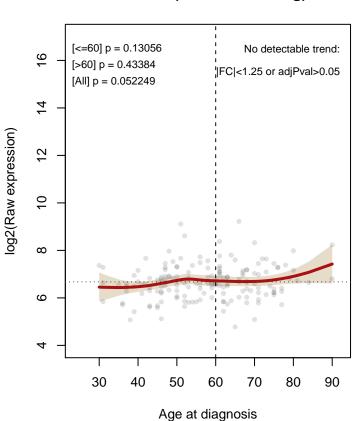




SMAD5 (non-ER binding)

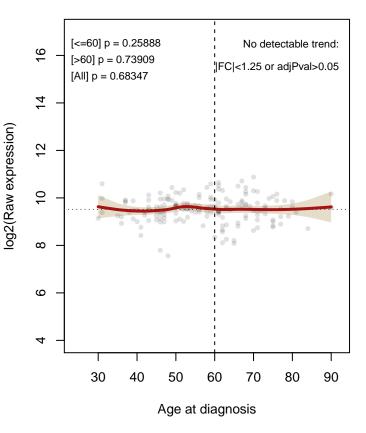
SMAD6 (non-ER binding)

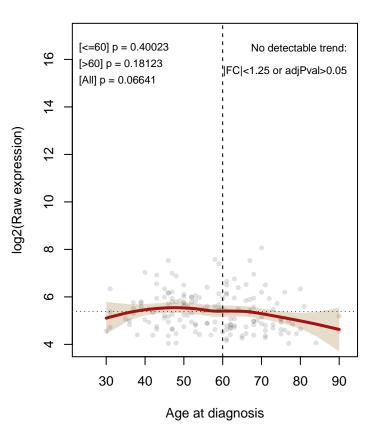






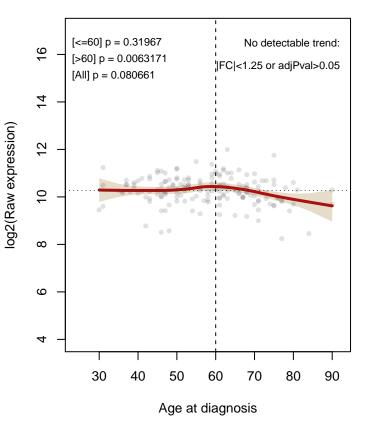
SMAD9 (non-ER binding)

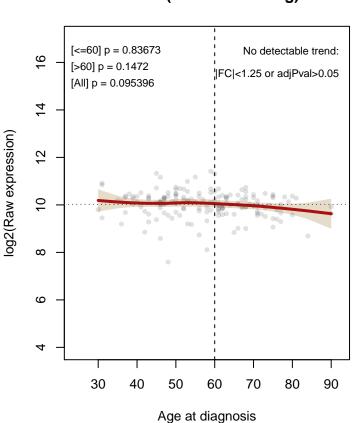


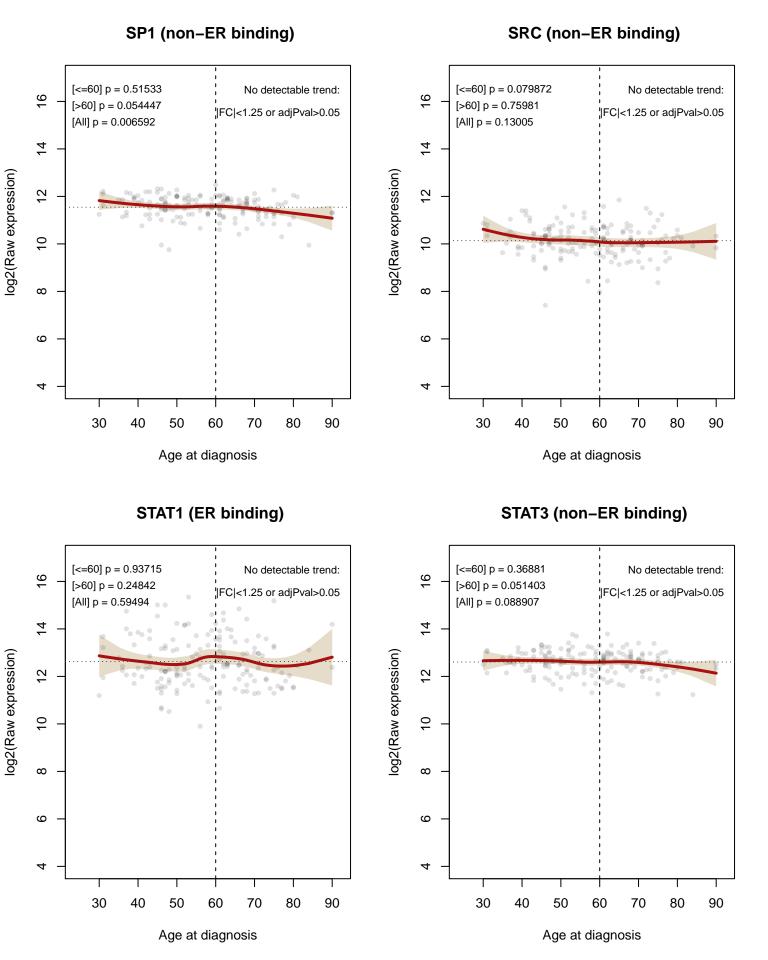


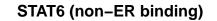
SOS1 (non-ER binding)

SOS2 (non-ER binding)

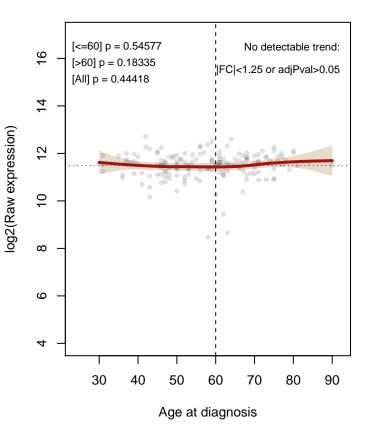


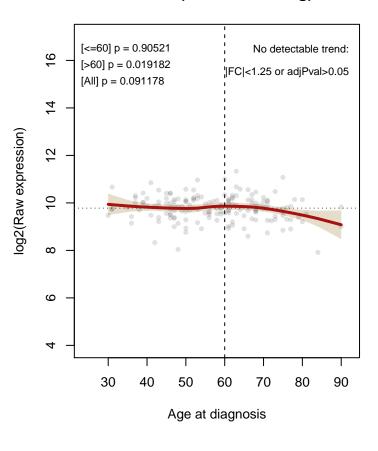






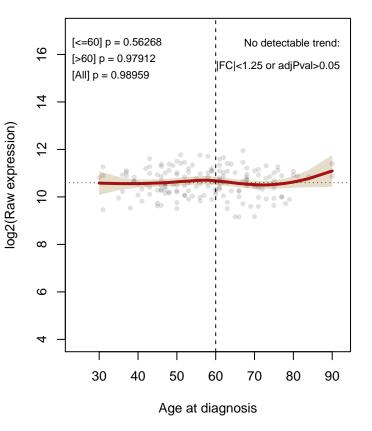
SUZ12 (non-ER binding)

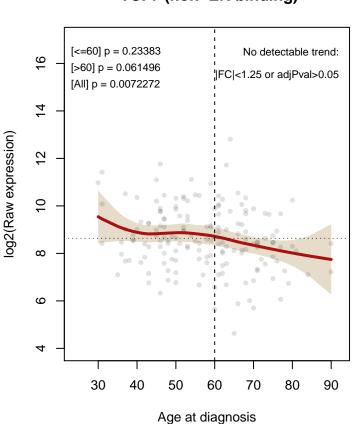




TCF3 (non-ER binding)

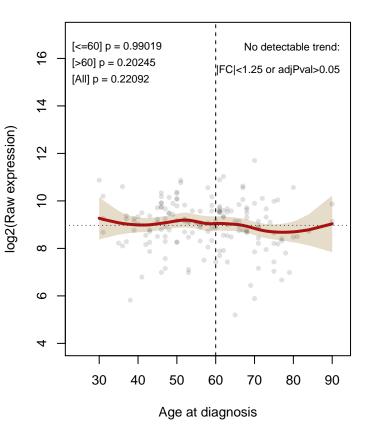
TCF7 (non-ER binding)

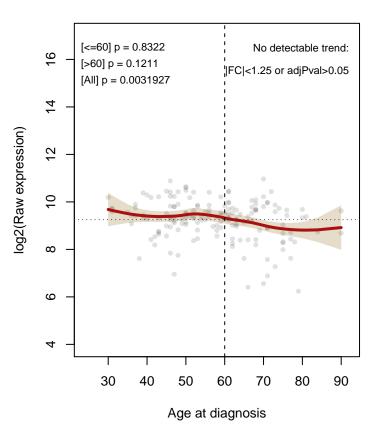






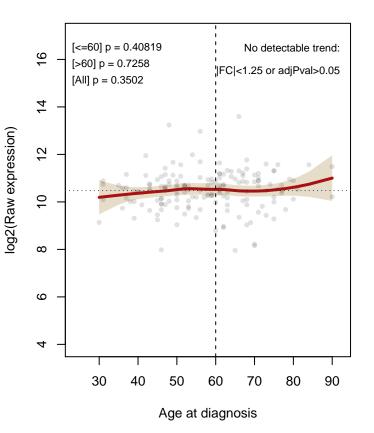
TCF7L2 (non-ER binding)

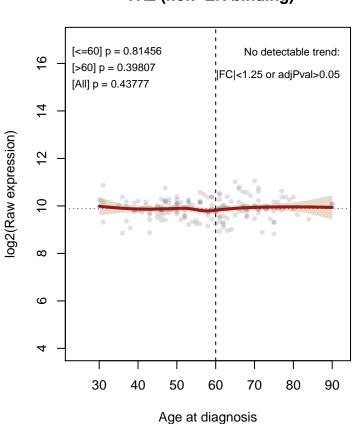


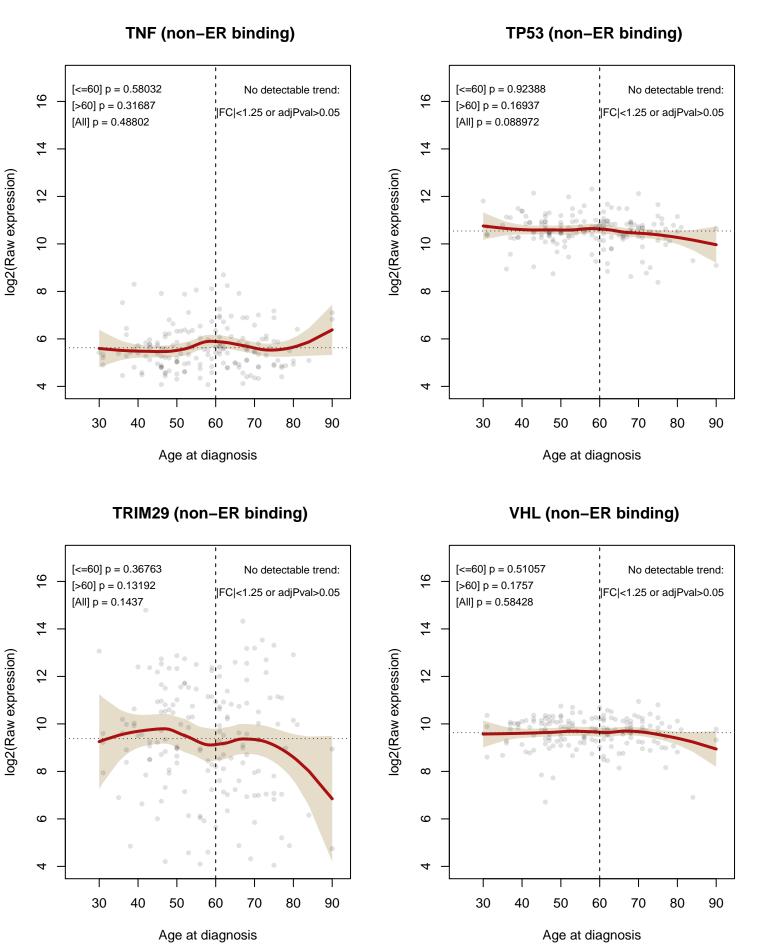


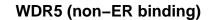
TGFB1 (non-ER binding)

TK2 (non-ER binding)

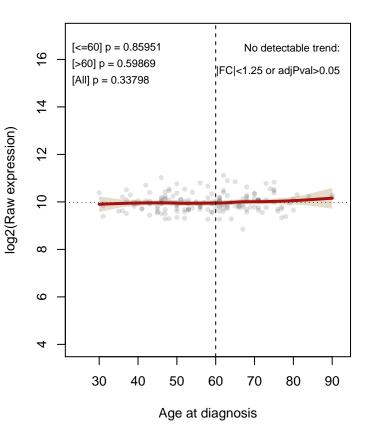


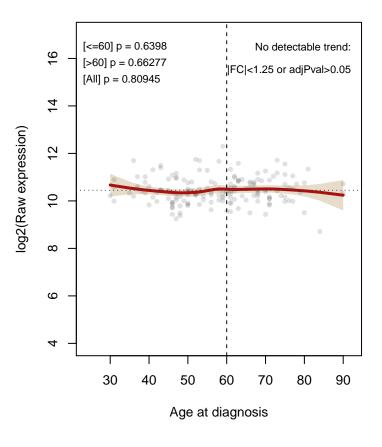






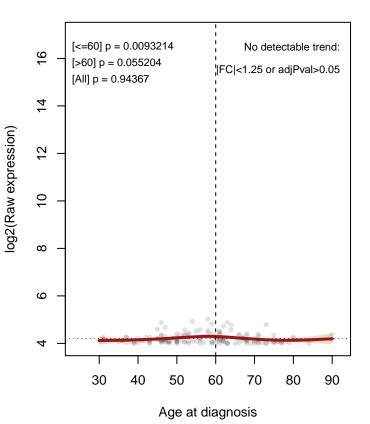
WHSC1 (non-ER binding)

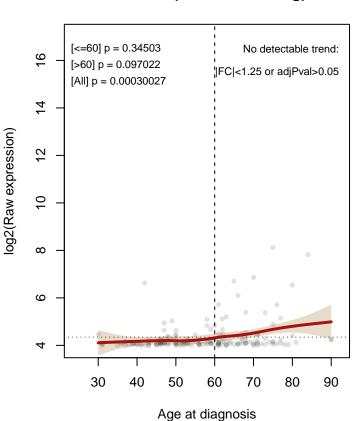


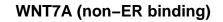


WNT1 (non-ER binding)

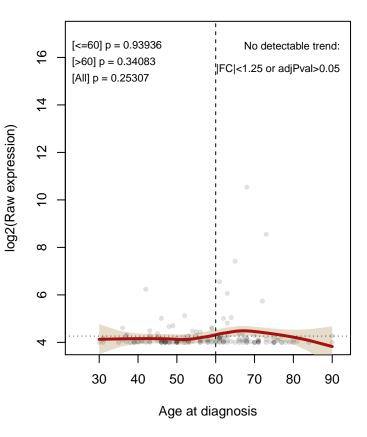
WNT3A (non-ER binding)

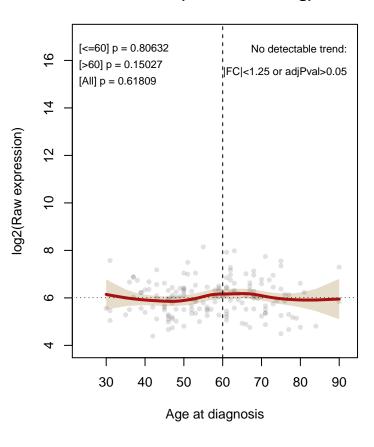






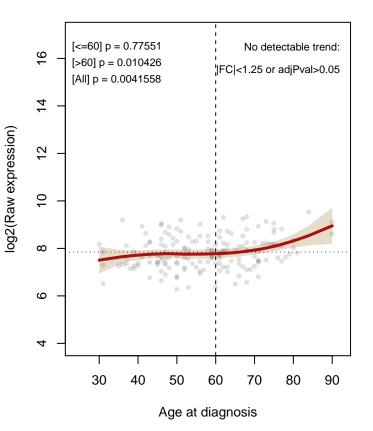
XRCC2 (non-ER binding)

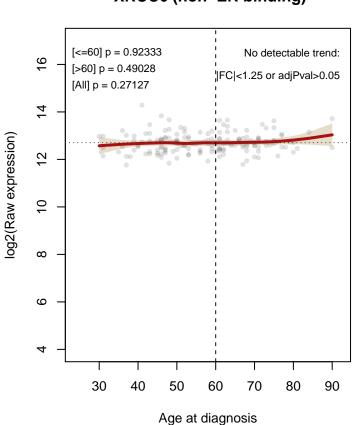




XRCC3 (non-ER binding)

XRCC6 (non-ER binding)





YAF2 (non-ER binding)

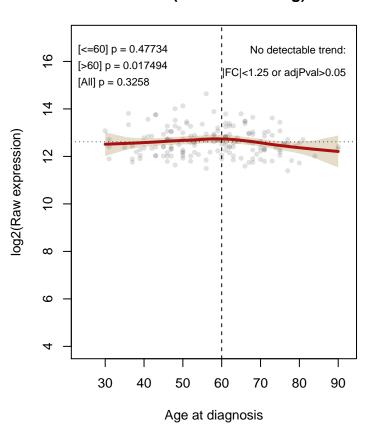
90 - [<=60] p = 0.15353 | No detectable trend: | |FC|<1.25 or adjPval>0.05 | |FC|<1.25 | |FC|<1.25

30

40

50

YBX1 (non-ER binding)



YY1 (non-ER binding)

Age at diagnosis

60

70

80

