AEBP2 (non-ER binding) AKT1 (ER binding) [<=60] p = 0.2458No detectable trend: [<=60] p = 0.6599No detectable trend: 16 16 [>60] p = 0.011364 [>60] p = 0.76996|FC|<1.25 or adjPval>0.05 |FC|<1.25 or adjPval>0.05 [All] p = 0.28801[All] p = 0.0346834 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 AKT3 (non-ER binding) AKT2 (non-ER binding) [<=60] p = 0.98925No detectable trend: [<=60] p = 0.41989No detectable trend: 16 16 [>60] p = 0.69641 [>60] p = 0.60709 |FC|<1.25 or adjPval>0.05 |FC|<1.25 or adjPval>0.05 [All] p = 0.25763[All] p = 0.814554 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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APC (non-ER binding) AR (ER binding) [<=60] p = 0.72482No detectable trend: [<=60] p = 0.77288No detectable trend: 16 16 [>60] p = 0.0094686 [>60] p = 0.75389 |FC|<1.25 or adjPval>0.05 |FC|<1.25 or adjPval>0.05 [AII] p = 0.29899[AII] p = 0.990784 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 ARID1A (non-ER binding) **ARID1B (ER binding)** [<=60] p = 0.50255No detectable trend: [<=60] p = 0.22415 No detectable trend: 16 16 [>60] p = 0.76567[>60] p = 0.078489 |FC|<1.25 or adjPval>0.05 |FC|<1.25 or adjPval>0.05 [All] p = 0.86461[All] p = 0.417874 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

ARNT (ER binding) ASH2L (non-ER binding) [<=60] p = 0.67496No detectable trend: [<=60] p = 0.43151No detectable trend: 16 16 [>60] p = 0.28836 [>60] p = 0.27587 |FC|<1.25 or adjPval>0.05 |FC|<1.25 or adjPval>0.05 [All] p = 0.46379[All] p = 0.256764 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 **ASXL1** (non-ER binding) ASXL2 (non-ER binding) [<=60] p = 0.63057No detectable trend: [<=60] p = 0.65744No detectable trend: 16 16 [>60] p = 0.23419 [>60] p = 0.01905 |FC|<1.25 or adjPval>0.05 |FC|<1.25 or adjPval>0.05 [AII] p = 0.48328[All] p = 0.55484 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

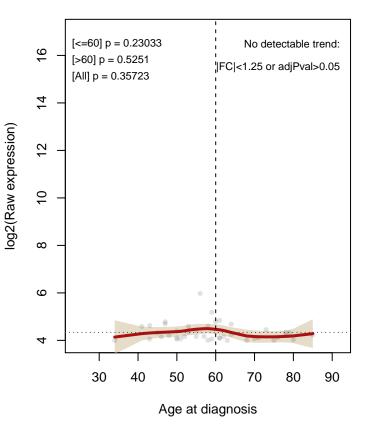
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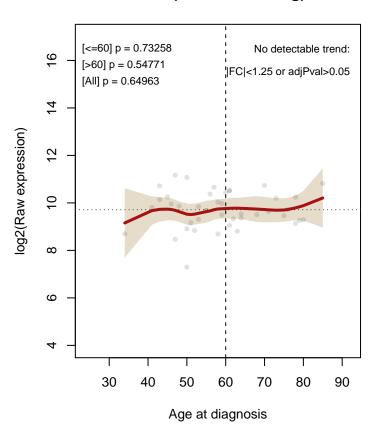
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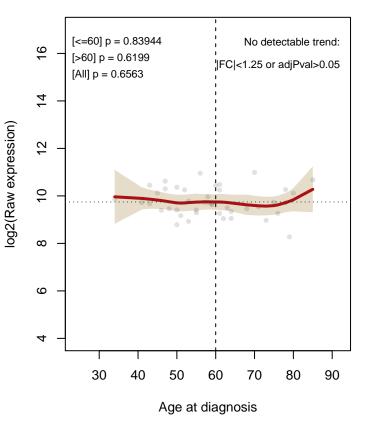
ATM (non-ER binding)

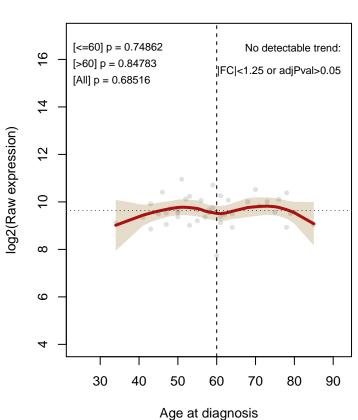




ATR (non-ER binding)

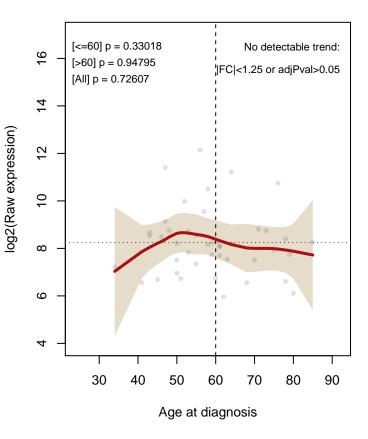
AXIN1 (ER binding)

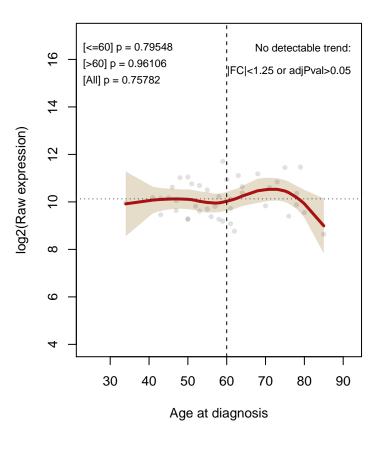






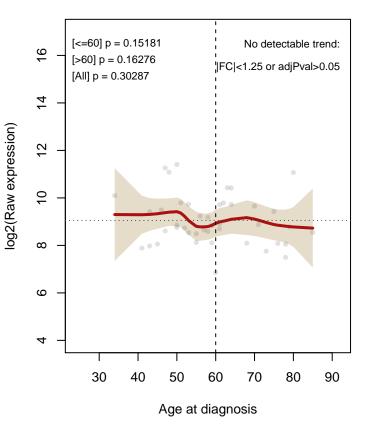
BCL3 (non-ER binding)

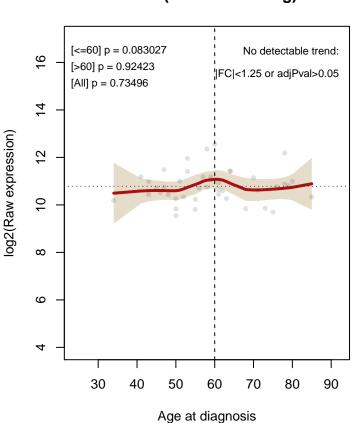


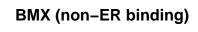


BIRC5 (non-ER binding)

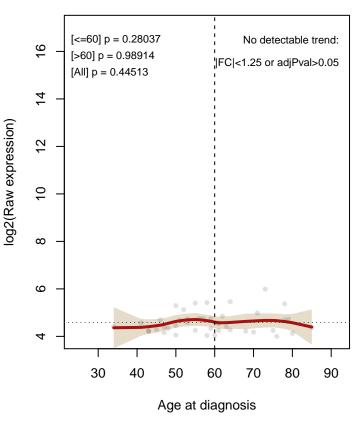
BMI1 (non-ER binding)

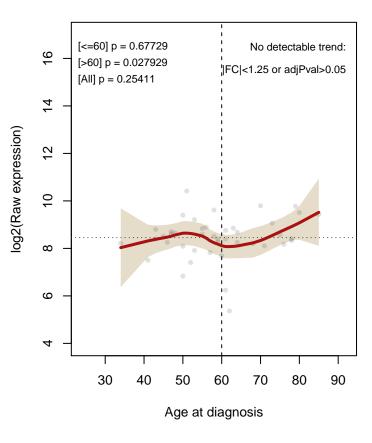






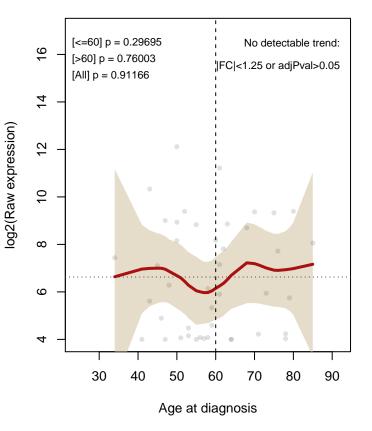
BRCA1 (non-ER binding)

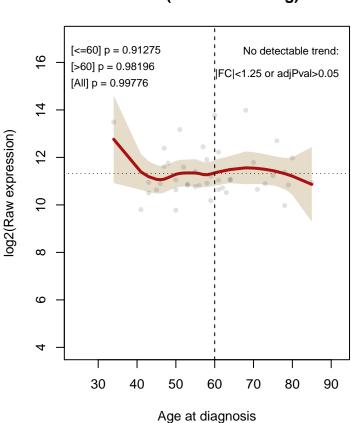


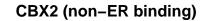


CA9 (non-ER binding)

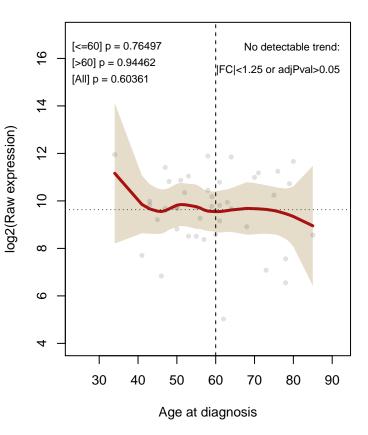
CBX1 (non-ER binding)

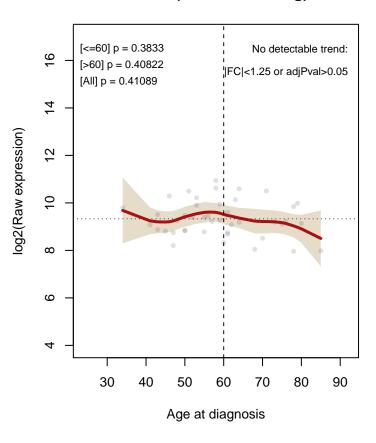






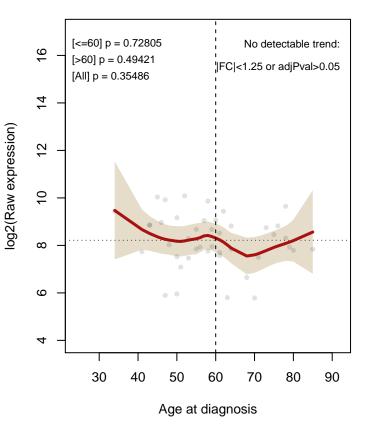
CBX4 (non-ER binding)

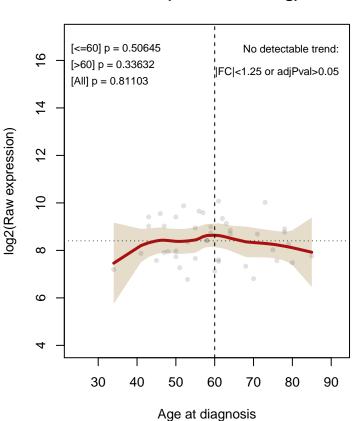




CBX6 (non-ER binding)

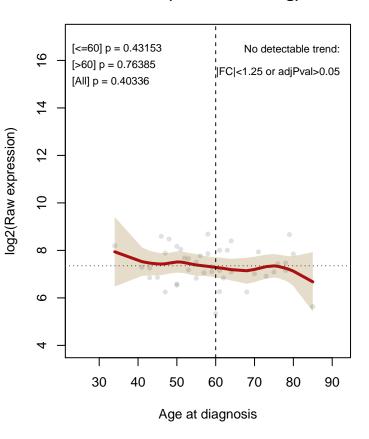
CBX7 (non-ER binding)

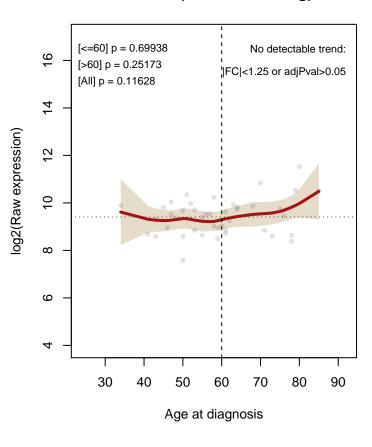




CBX8 (non-ER binding)

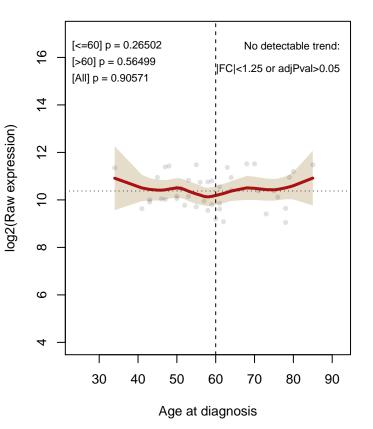
CCNA2 (non-ER binding)

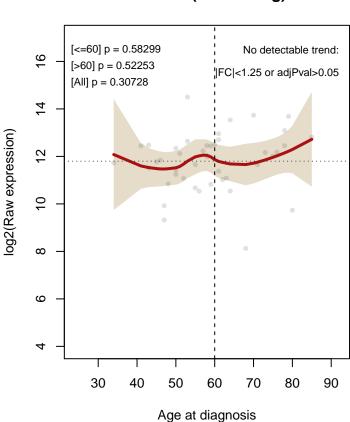




CCNB1 (non-ER binding)

CCND1 (ER binding)





CCNE1 (non-ER binding)

No detectable trend:

|FC|<1.25 or adjPval>0.05

[<=60] p = 0.55365

[>60] p = 0.12297

[All] p = 0.58661

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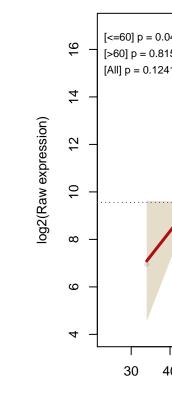
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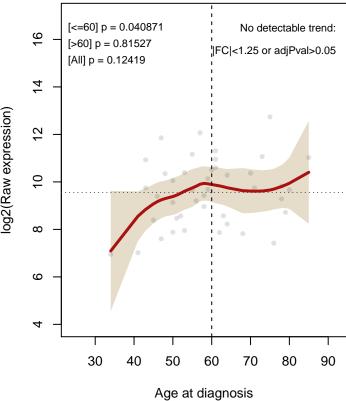
ω

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log2(Raw expression)

CD163 (non-ER binding)





CD44 (non-ER binding)

Age at diagnosis

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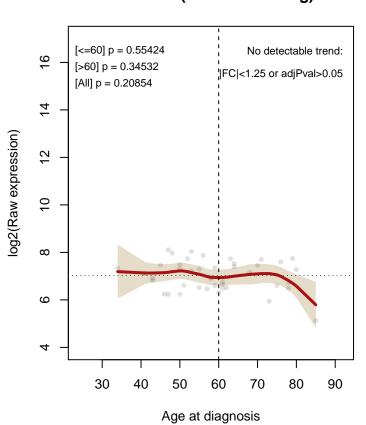
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[<=60] p = 0.18734No detectable trend: 16 [>60] p = 0.1609 |FC|<1.25 or adjPval>0.05 [All] p = 0.37224 log2(Raw expression) 12 10 ω 9 30 40 50 60 70 80 90

Age at diagnosis

CDC25C (non-ER binding)



CDH1 (non-ER binding) CDH3 (ER binding) [<=60] p = 0.18408No detectable trend: [<=60] p = 0.37332No detectable trend: 16 16 [>60] p = 0.19701 [>60] p = 0.74285 |FC|<1.25 or adjPval>0.05 |FC|<1.25 or adjPval>0.05 [All] p = 0.45675[All] p = 0.45834 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 CDK1 (non-ER binding) CDK2 (non-ER binding) [<=60] p = 0.64682No detectable trend: [<=60] p = 0.44No detectable trend: 16 16 [>60] p = 0.23978 [>60] p = 0.85158 |FC|<1.25 or adjPval>0.05 |FC|<1.25 or adjPval>0.05 [All] p = 0.72752[All] p = 0.412384 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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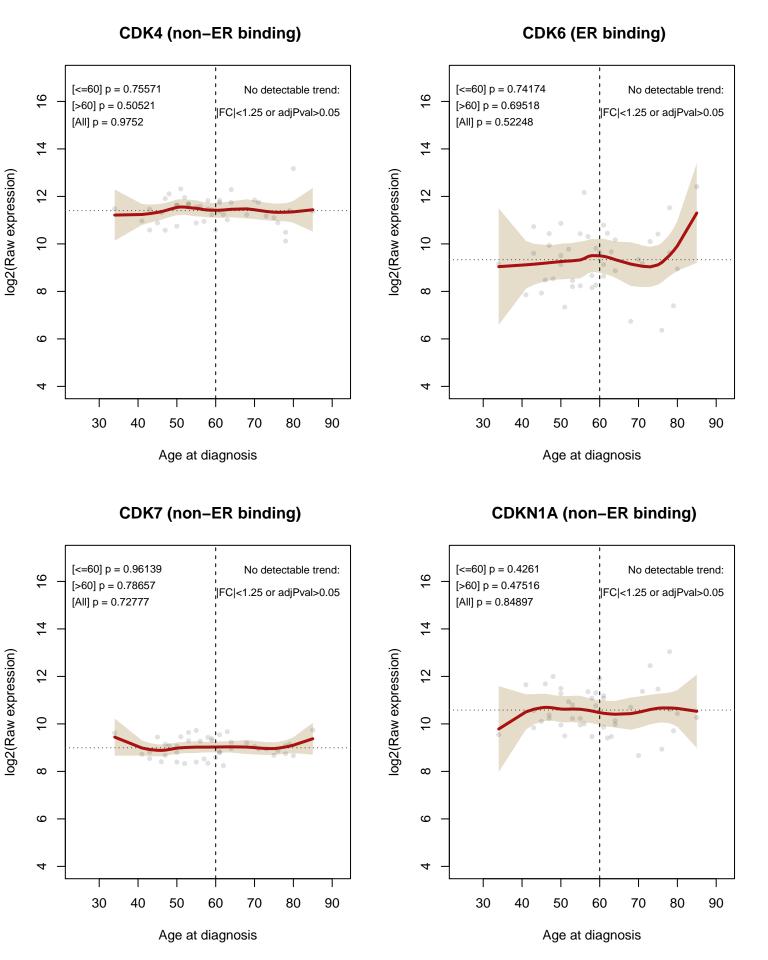
60

Age at diagnosis

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CDKN1B (non-ER binding)

[<=60] p = 0.39354 No detectable trend:

[>60] p = 0.82467 [All] p = 0.13616 ||FC|<1.25 or adjPval>0.05



log2(Raw expression)

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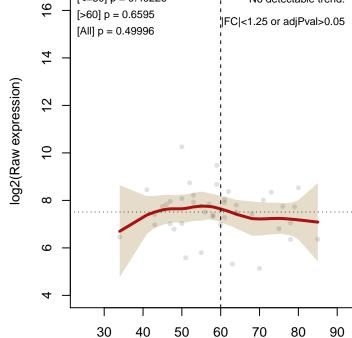


Age at diagnosis

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[<=60] p = 0.40226 | No detectable trend: [>60] p = 0.6595 | FC|<1.25 or adjPval>0.05

CDKN1C (non-ER binding)



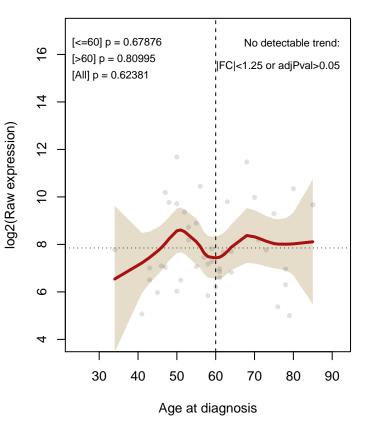
CDKN2A (non-ER binding)

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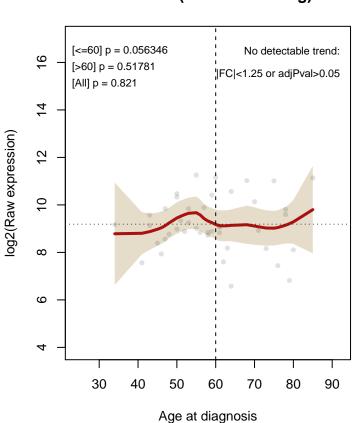
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CDKN2B (non-ER binding)

Age at diagnosis



CDKN2C (non-ER binding)





16

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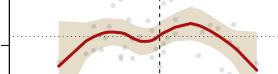
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ω

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log2(Raw expression)

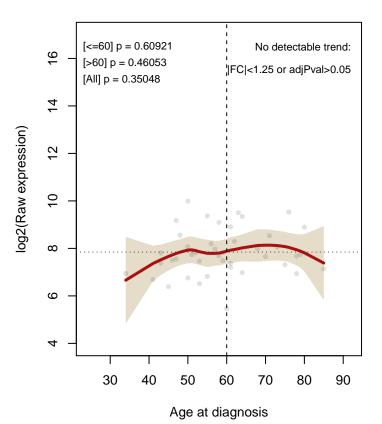






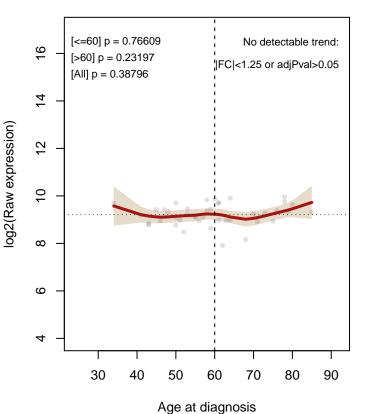
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CDKN2D (non-ER binding)

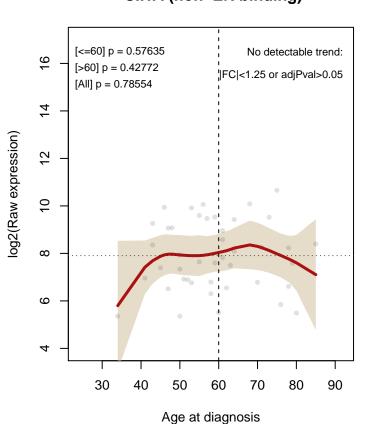


CHUK (non-ER binding)

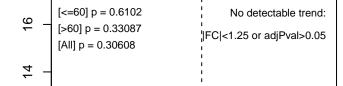
Age at diagnosis

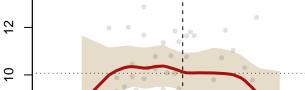


CIITA (non-ER binding)



CLDN3 (non-ER binding)



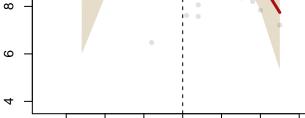


log2(Raw expression)

19

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Age at diagnosis

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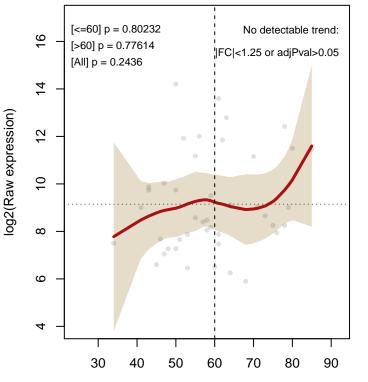
CRYAB (non-ER binding)

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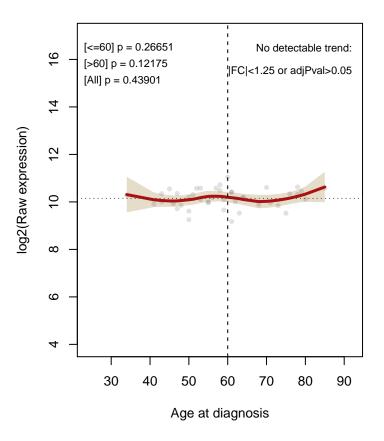
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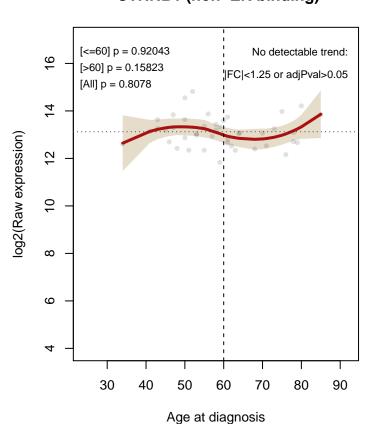


Age at diagnosis

CREB1 (non-ER binding)

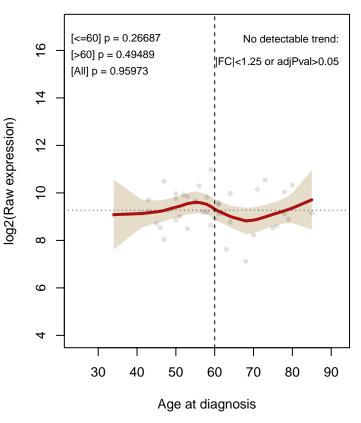


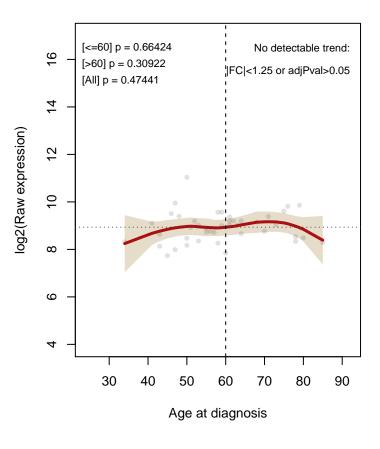
CTNNB1 (non-ER binding)





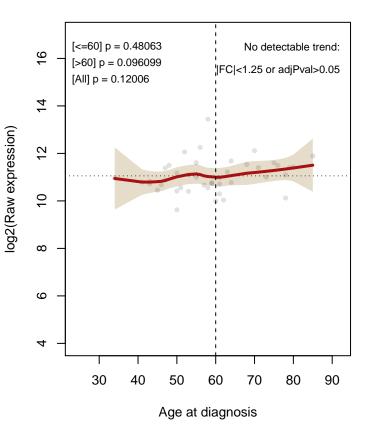
DMAP1 (non-ER binding)

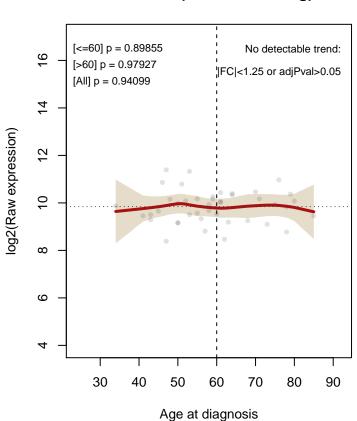


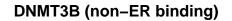


DNMT1 (non-ER binding)

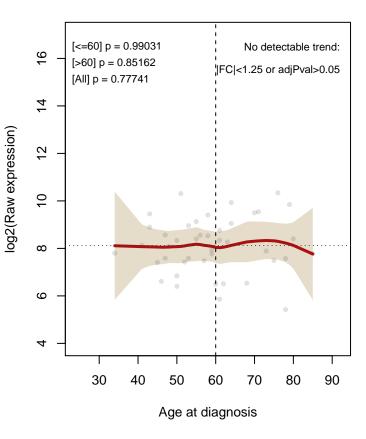
DNMT3A (non-ER binding)

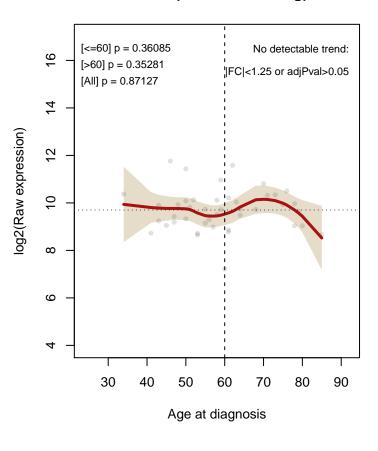






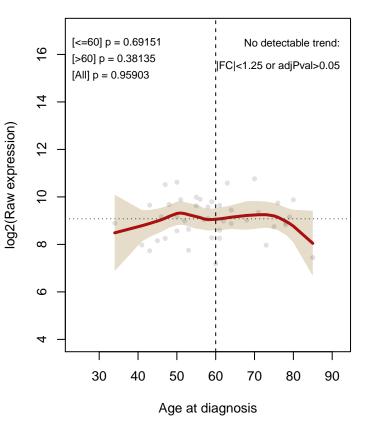
DVL1 (non-ER binding)

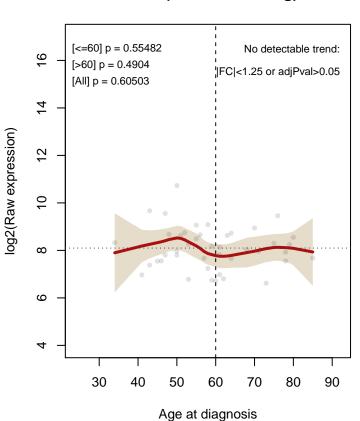


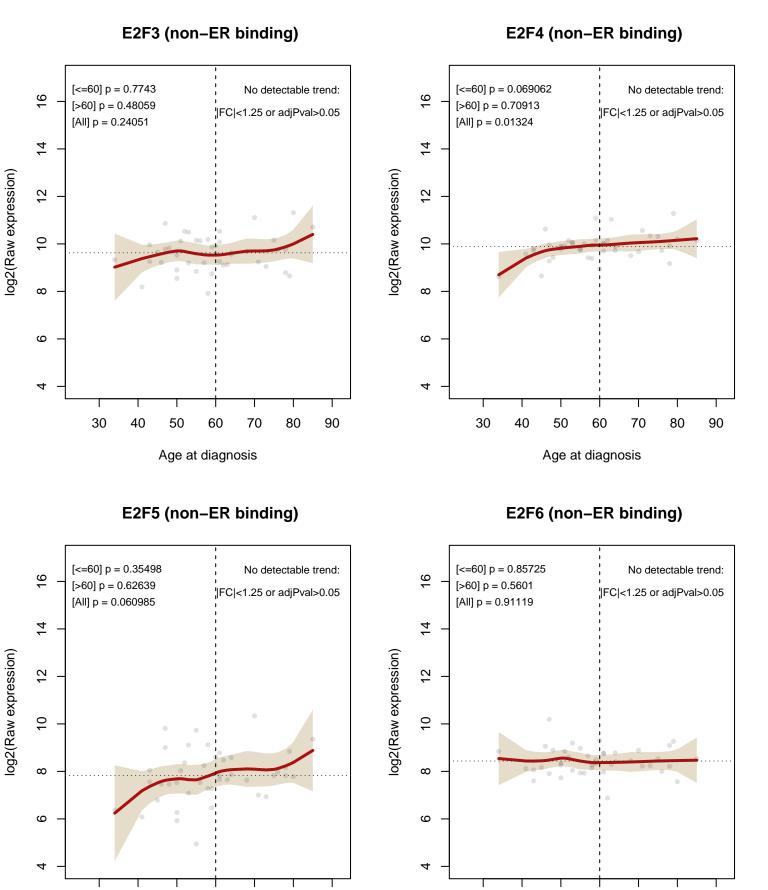


E2F1 (non-ER binding)

E2F2 (non-ER binding)

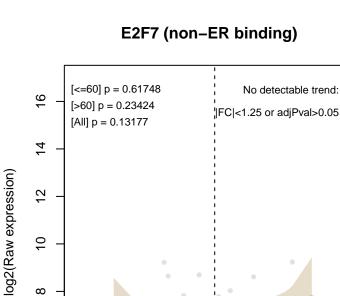




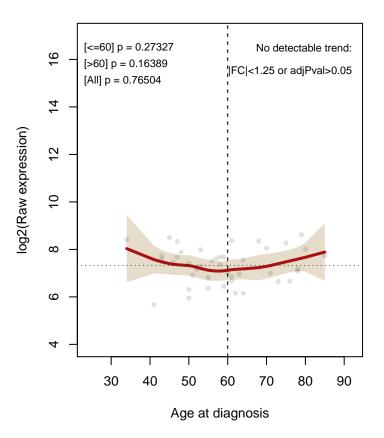


Age at diagnosis

Age at diagnosis

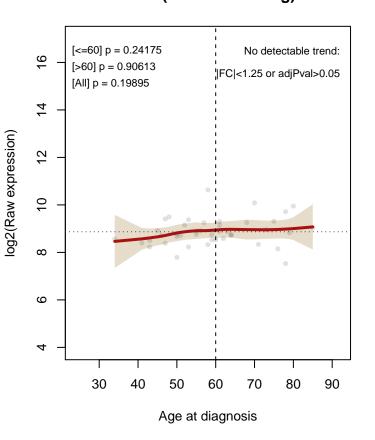


E2F8 (non-ER binding)

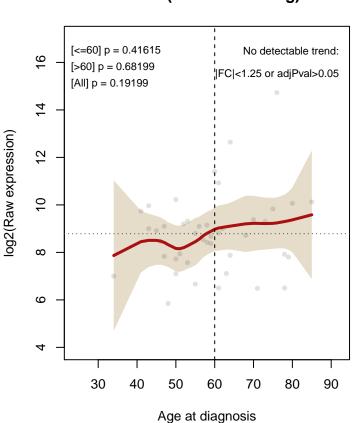


 ∞ Age at diagnosis

EED (non-ER binding)

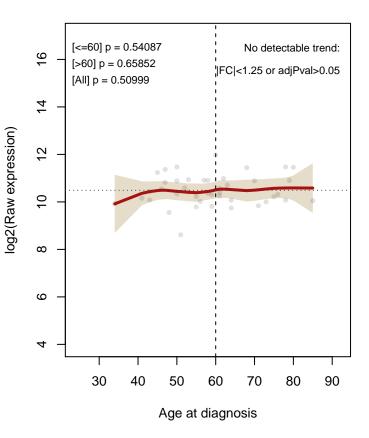


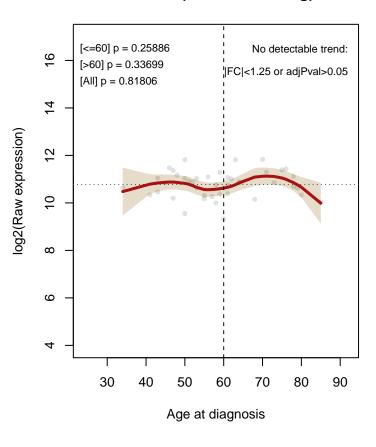
EGFR (non-ER binding)





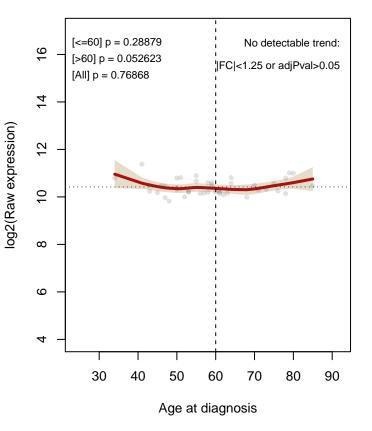
EHMT2 (non-ER binding)

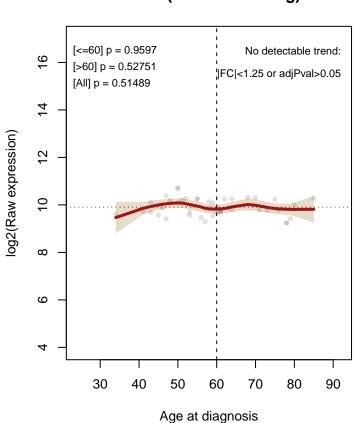


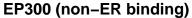


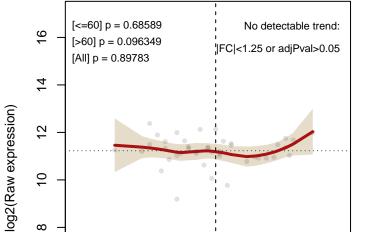
ELAC2 (non-ER binding)

ELK1 (non-ER binding)

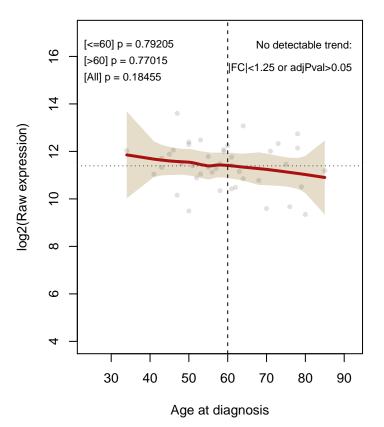






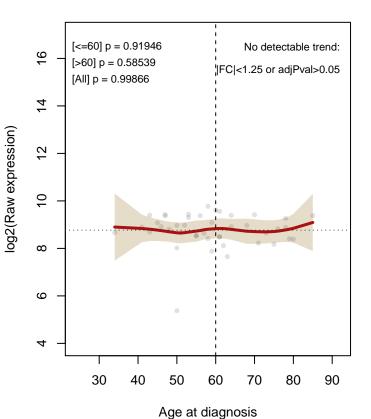


EPAS1 (non-ER binding)

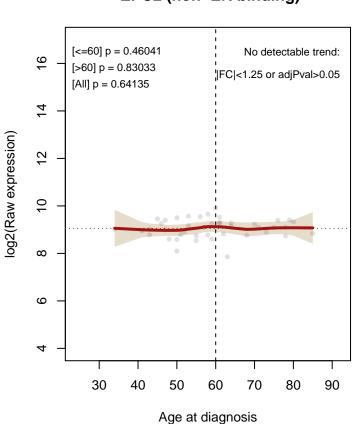


EPC1 (non-ER binding)

Age at diagnosis

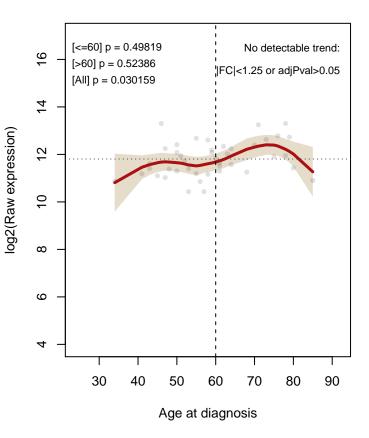


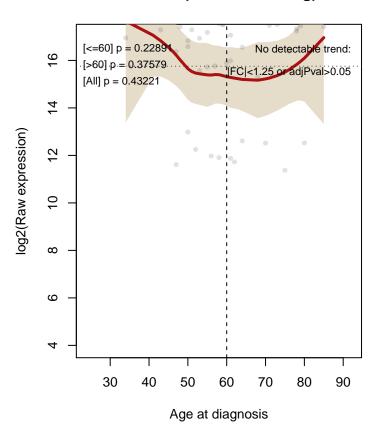
EPC2 (non-ER binding)



EPHB4 (non-ER binding)

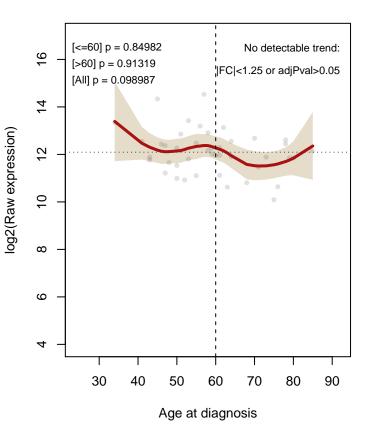
ERBB2 (non-ER binding)

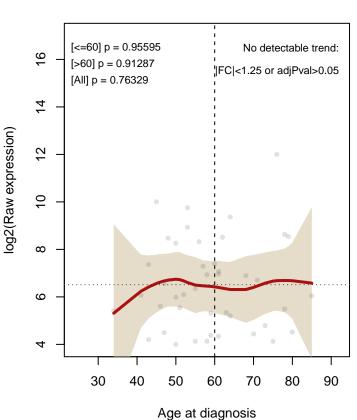


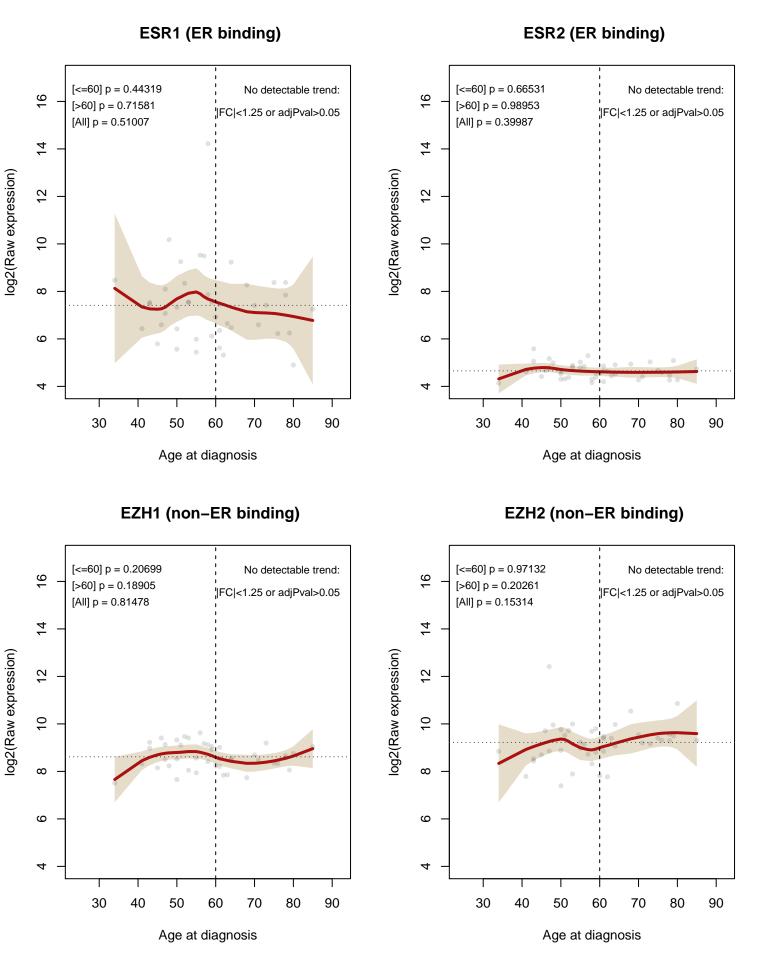


ERBB3 (non-ER binding)

ERBB4 (ER binding)

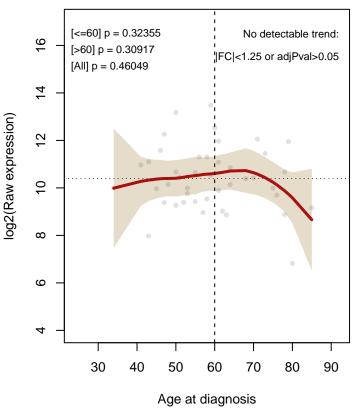


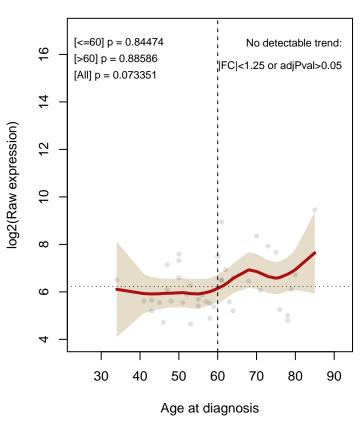




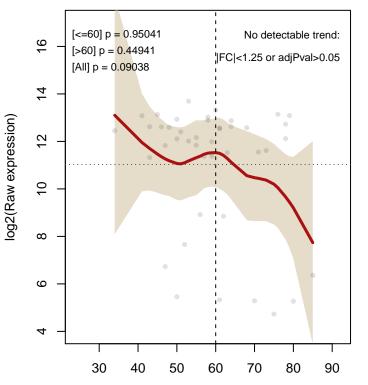


FOSL1 (non-ER binding)



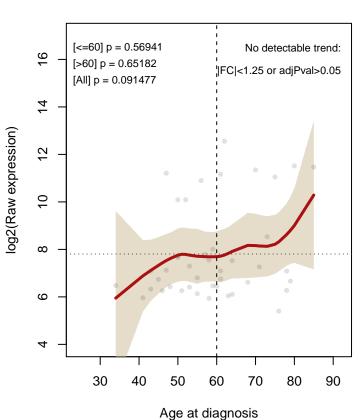


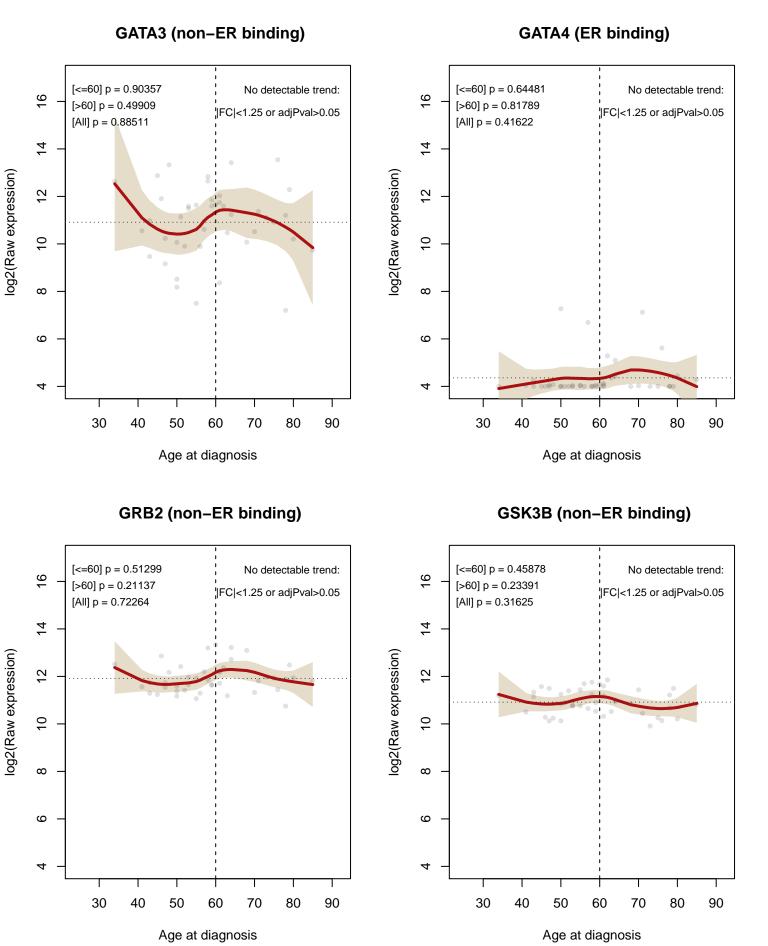
FOXA1 (ER binding)



Age at diagnosis

FOXC1 (ER binding)



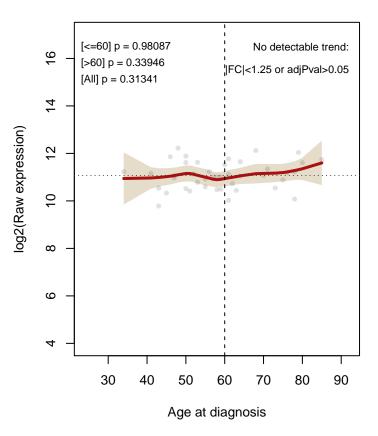


H3F3A (non-ER binding) [<=60] p = 0.93401No detectable trend: 16 [>60] p = 0.16886 |FC|<1.25 or adjPval>0.05 [All] p = 0.526134 log2(Raw expression) 12 10 ∞ 9 30

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HDAC1 (ER binding)



HDAC2 (non-ER binding)

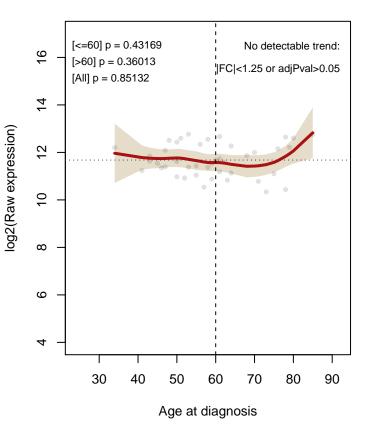
Age at diagnosis

60

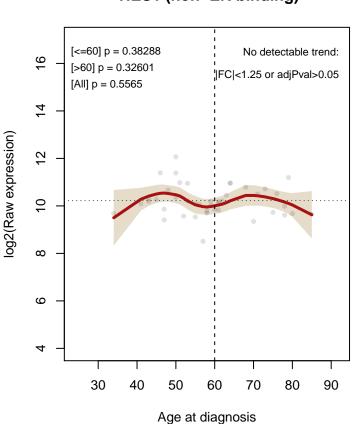
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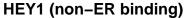
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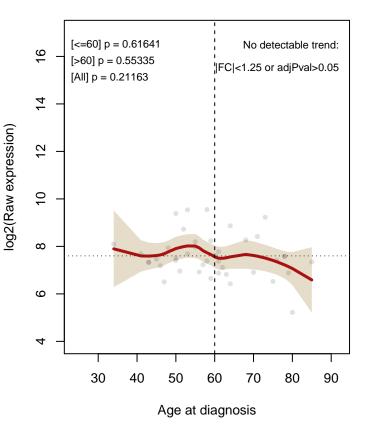


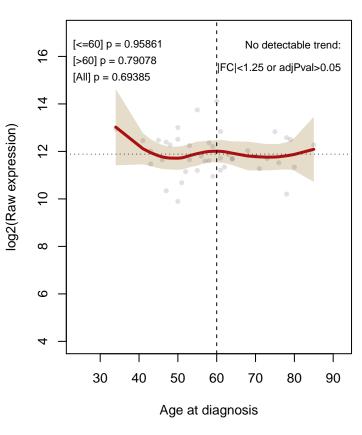
HES1 (non-ER binding)





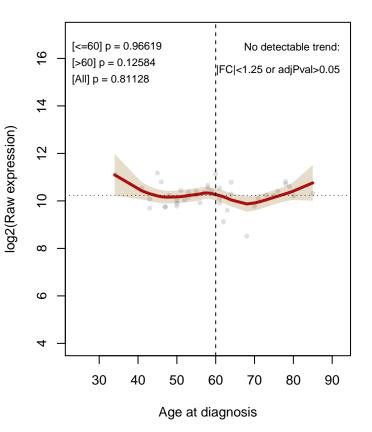
HIF1A (non-ER binding)

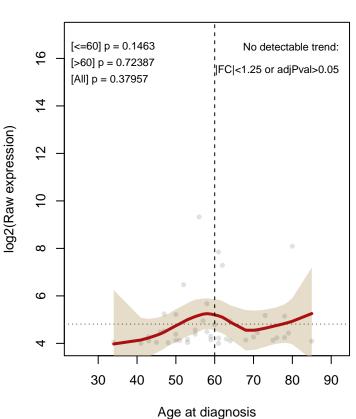




HIF1AN (non-ER binding)

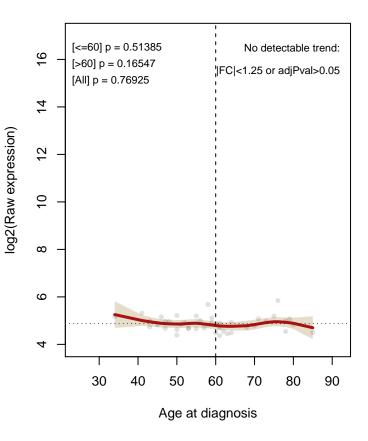
HIF3A (non-ER binding)

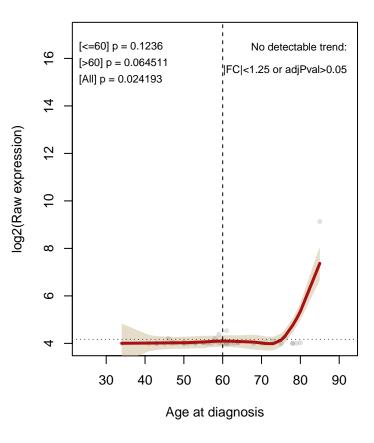




HNF1A (non-ER binding)

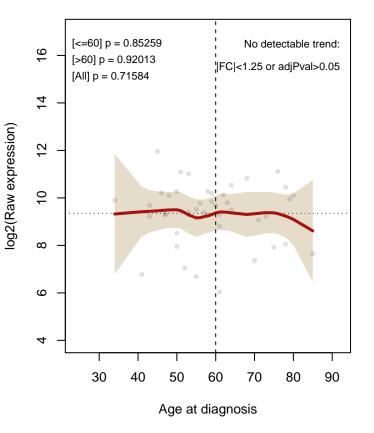
HNF1B (non-ER binding)

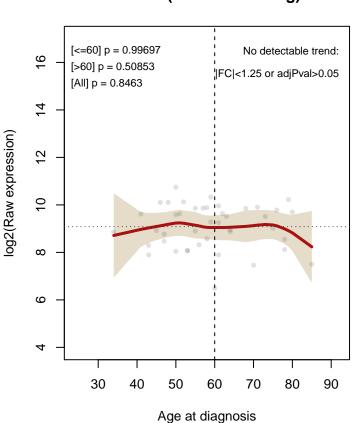


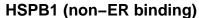


HOXC10 (non-ER binding)

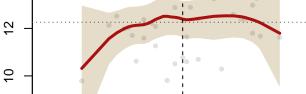
HRAS (non-ER binding)











log2(Raw expression)



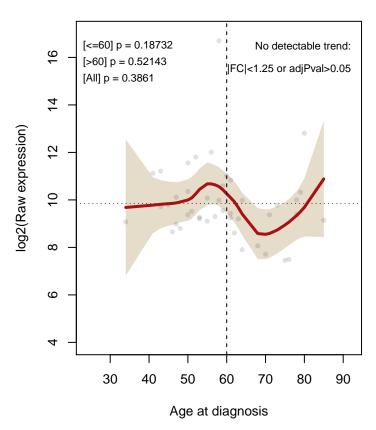
Age at diagnosis

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IGF1R (ER binding)



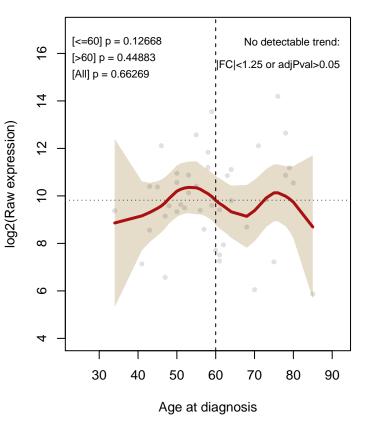
IGFBP2 (non-ER binding)

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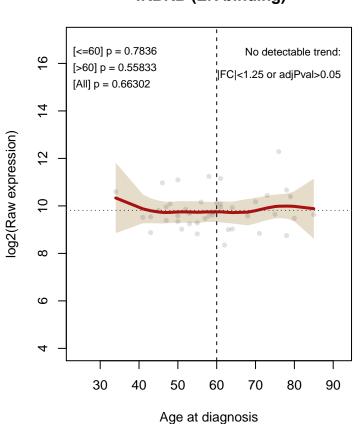
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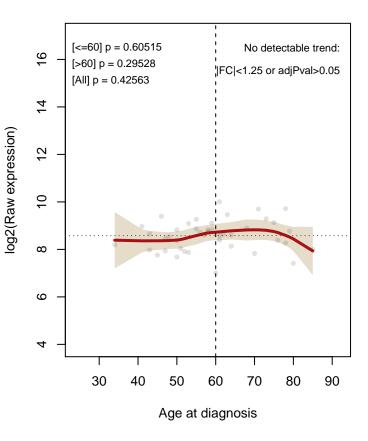


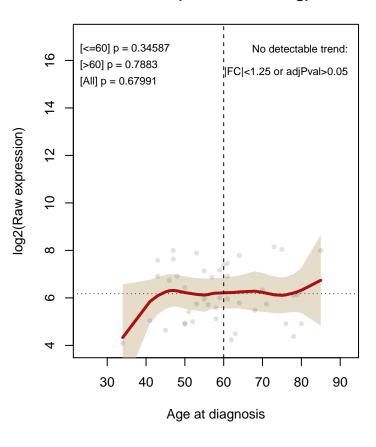
IKBKB (ER binding)





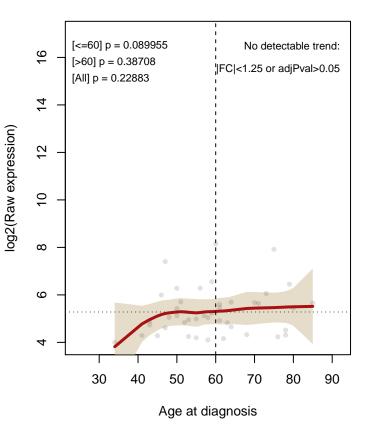
IL2RA (non-ER binding)

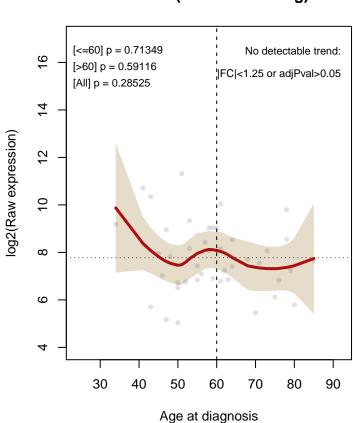


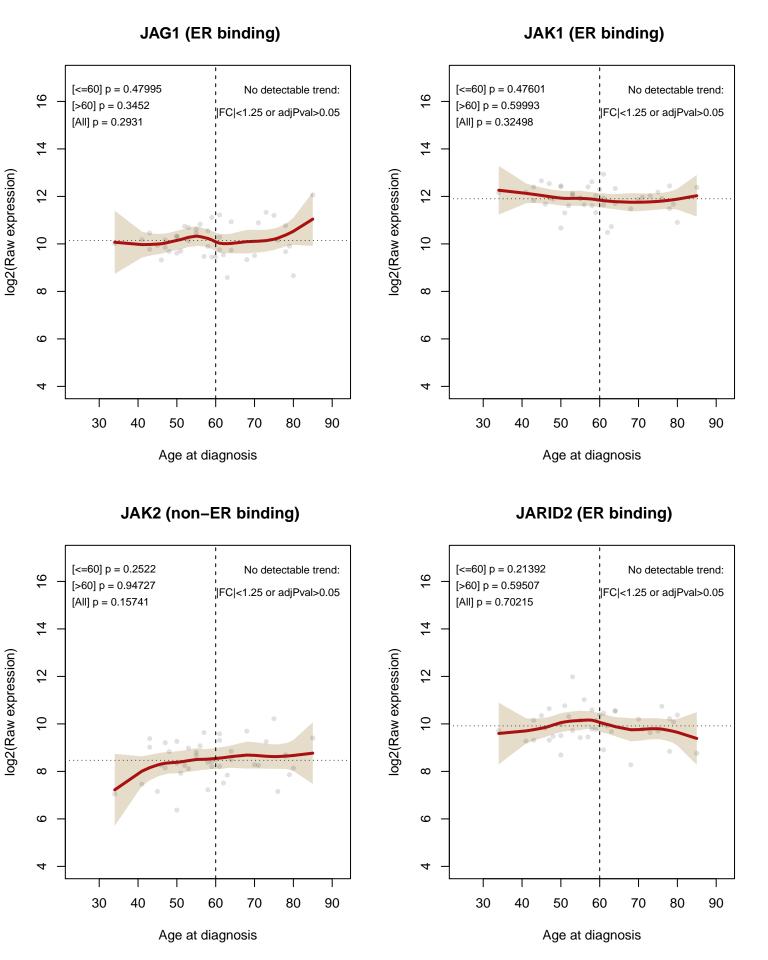


IL6 (non-ER binding)

INPP4B (non-ER binding)

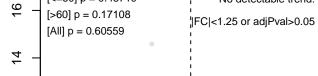


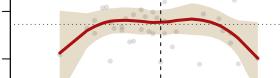






[<=60] p = 0.48719No detectable trend:





log2(Raw expression)

12

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Age at diagnosis

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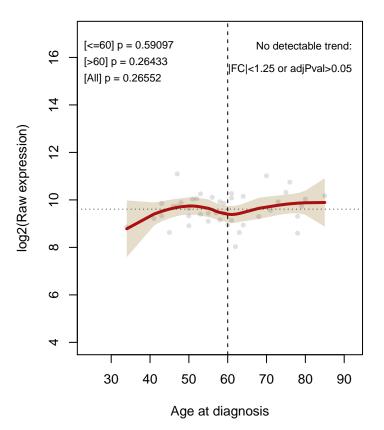
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KDM2B (non-ER binding)

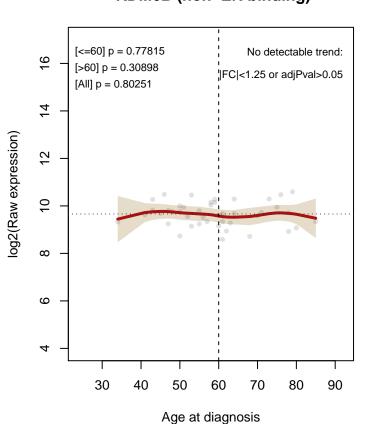


KDM6A (non-ER binding)

[<=60] p = 0.30742No detectable trend: 16 [>60] p = 0.6034|FC|<1.25 or adjPval>0.05 [All] p = 0.434524 log2(Raw expression) 12 19 ω 9 30 40 50 60 70 80 90

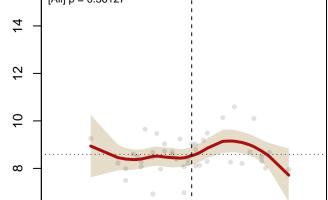
Age at diagnosis

KDM6B (non-ER binding)



KIAA0101 (non-ER binding)

[<=60] p = 0.82587No detectable trend: 16 [>60] p = 0.52625 |FC|<1.25 or adjPval>0.05 [All] p = 0.36127



log2(Raw expression)

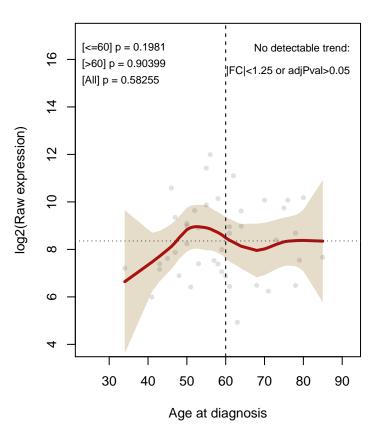
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KIT (non-ER binding)



KMT2C (non-ER binding)

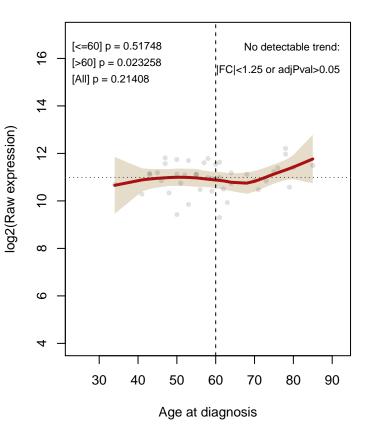
Age at diagnosis

60

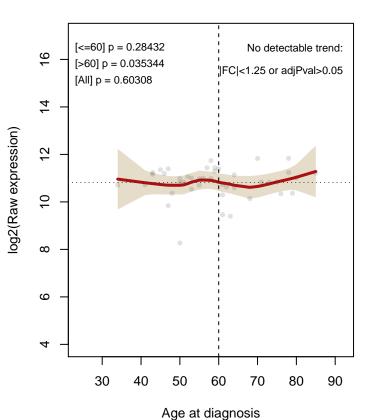
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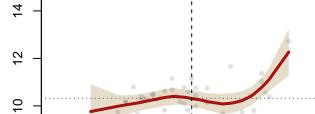
90



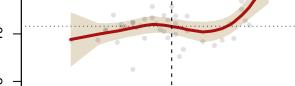
KMT2D (non-ER binding)

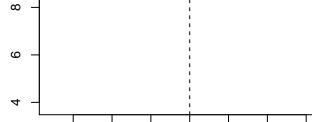


KRAS (non-ER binding)



log2(Raw expression)





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L3MBTL1 (non-ER binding)

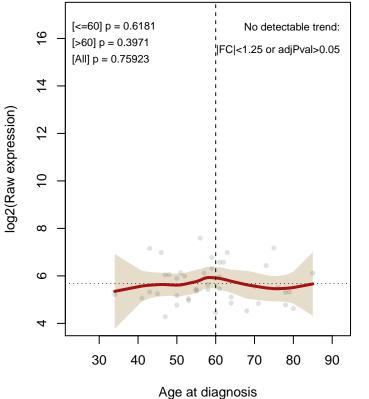
Age at diagnosis

60

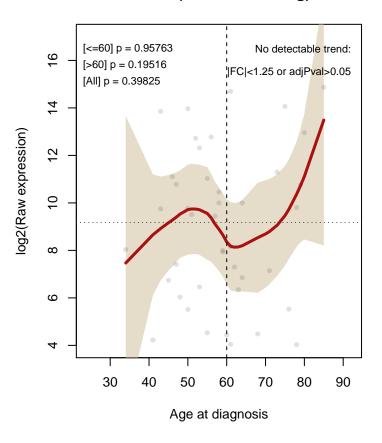
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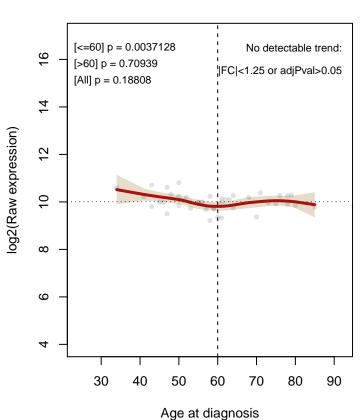
90



KRT5 (non-ER binding)

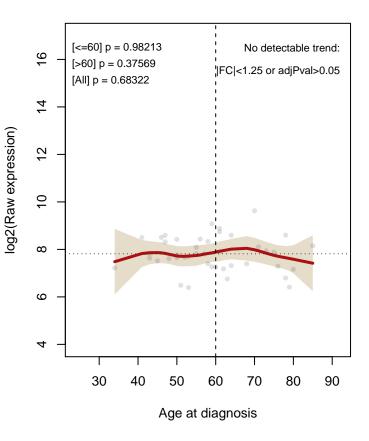


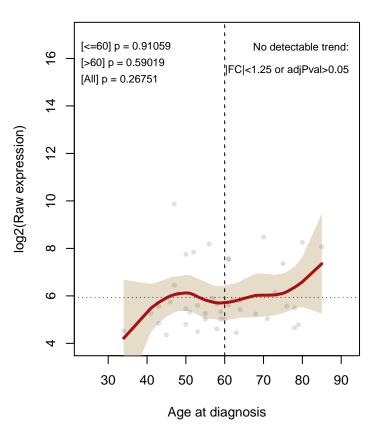
L3MBTL2 (non-ER binding)



L3MBTL3 (ER binding)

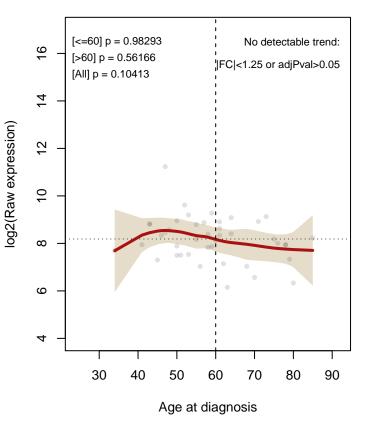
L3MBTL4 (non-ER binding)

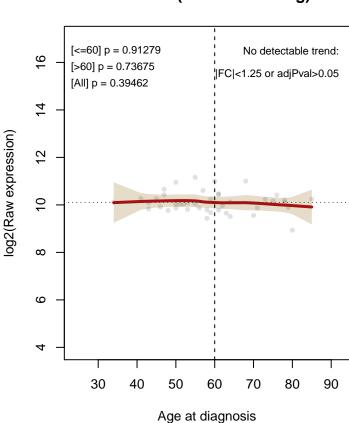




LEF1 (non-ER binding)

MAP2K1 (non-ER binding)

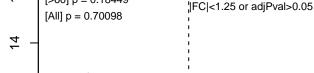




MAP3K1 (non-ER binding)

MAI 3KI (IIOII-LIX billallig)

[<=60] p = 0.99842 No detectable trend:



16

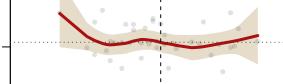
12

19

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log2(Raw expression)





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Age at diagnosis

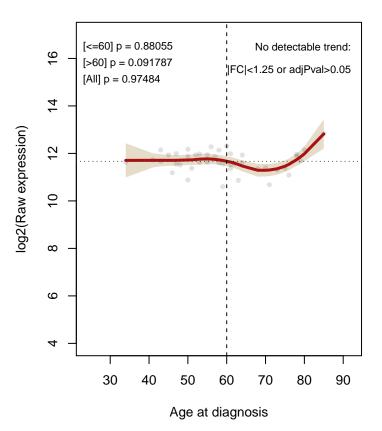
60

70

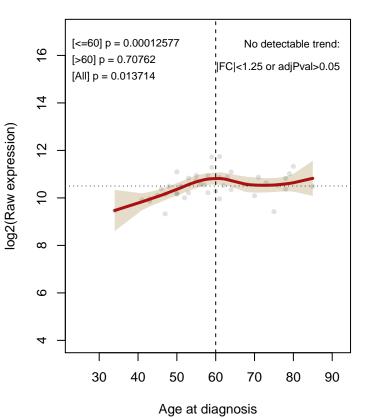
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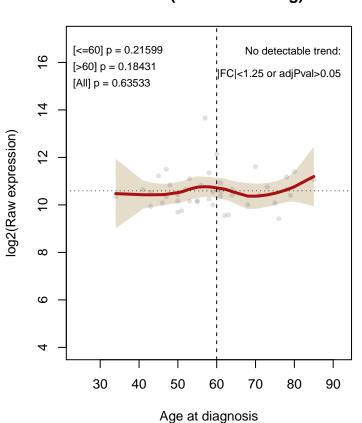
MAPK1 (non-ER binding)



MAPK3 (non-ER binding)

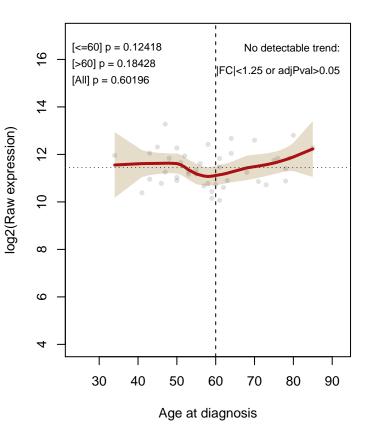


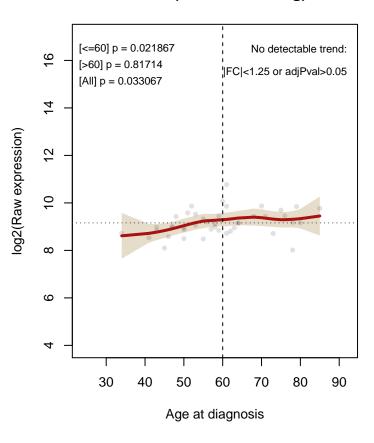
MDM2 (non-ER binding)





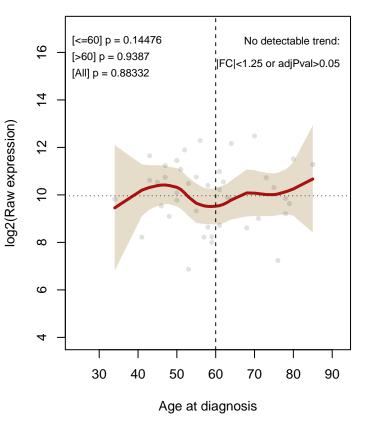
MTF2 (non-ER binding)

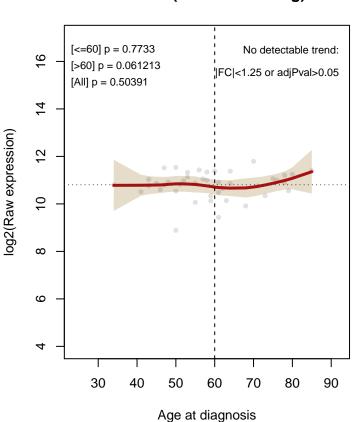


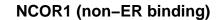


MYC (non-ER binding)

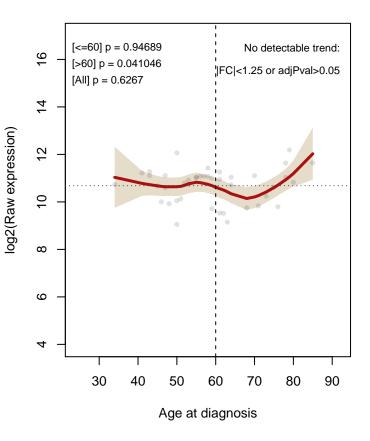
NCOA6 (non-ER binding)

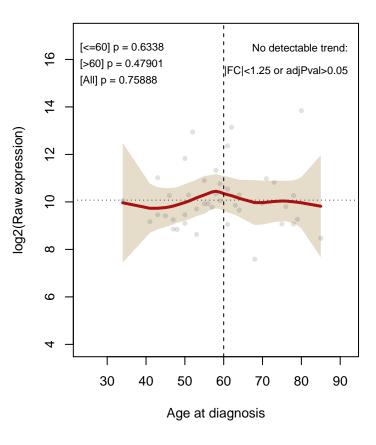






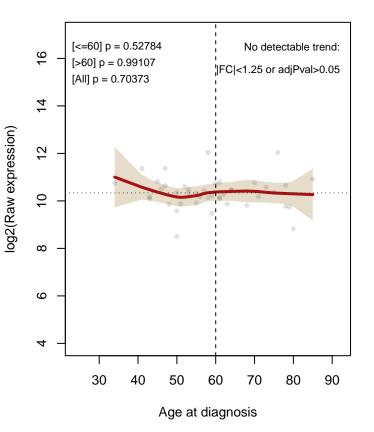
NES (non-ER binding)

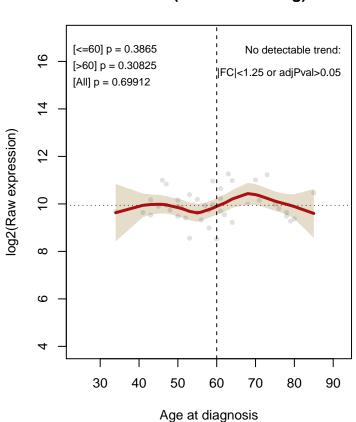




NFKB1 (non-ER binding)

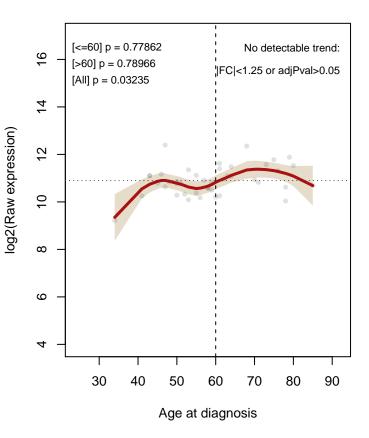
NFKB2 (non-ER binding)

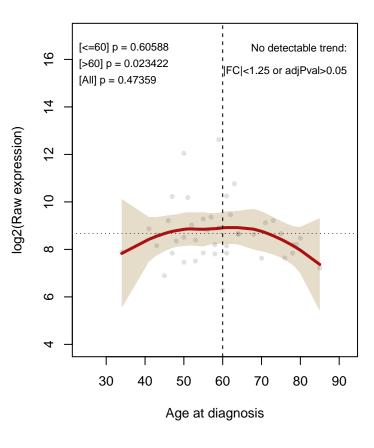




NFKBIA (non-ER binding)

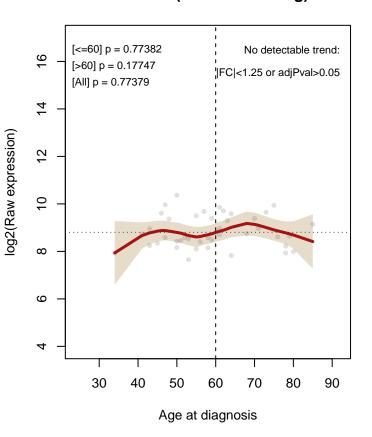
NFKBIB (non-ER binding)

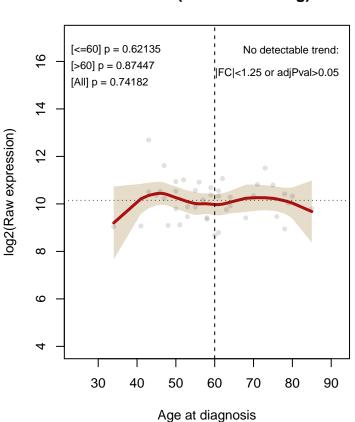




NFKBIE (non-ER binding)

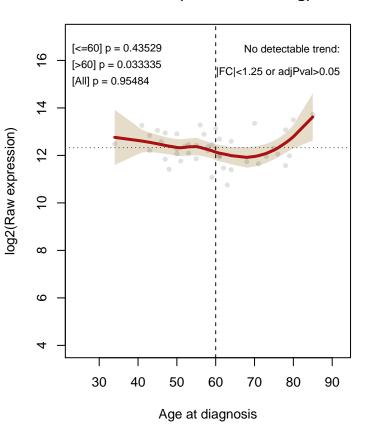
NOTCH1 (non-ER binding)

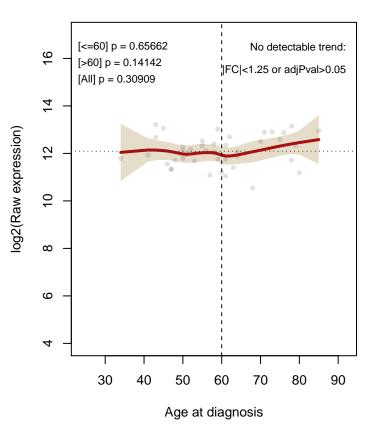




NOTCH2 (non-ER binding)

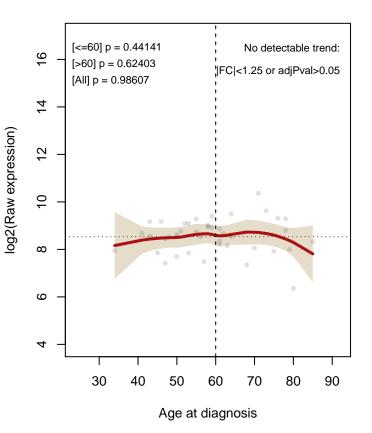
NOTCH3 (non-ER binding)

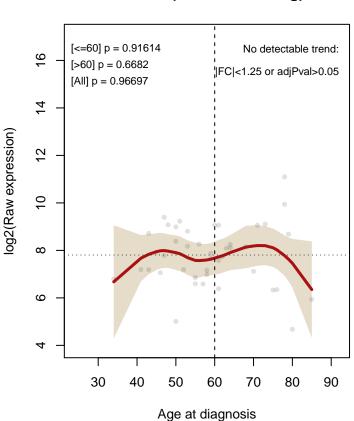




NOTCH4 (non-ER binding)

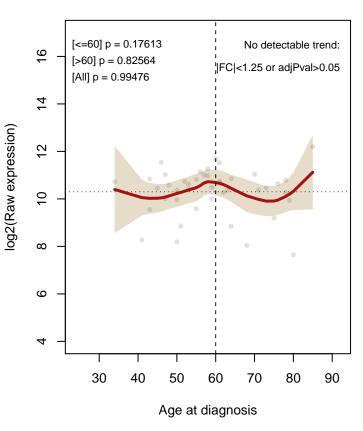
NR4A2 (non-ER binding)

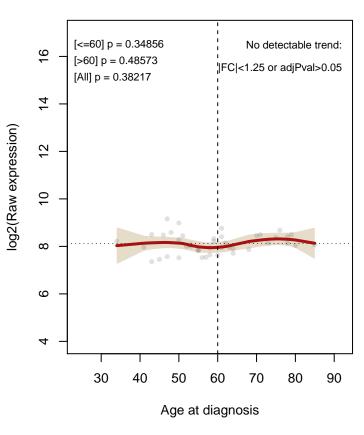




NRAS (non-ER binding)

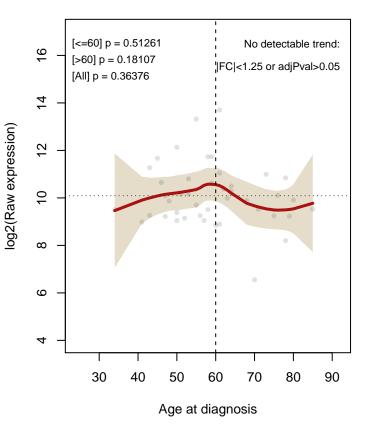
PCGF1 (non-ER binding)

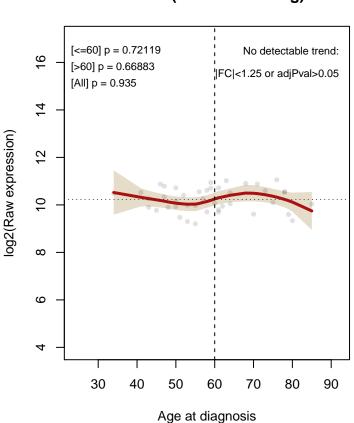




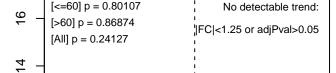
PCGF2 (non-ER binding)

PCGF3 (non-ER binding)



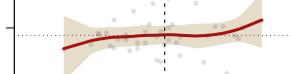


PCGF5 (non-ER binding)





log2(Raw expression)





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Age at diagnosis

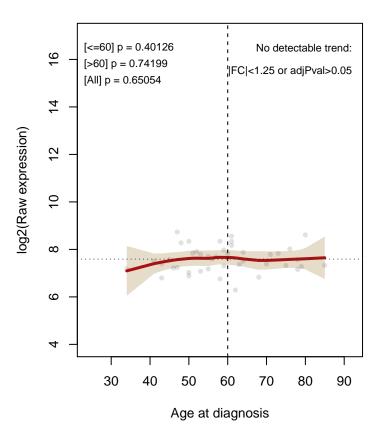
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PCGF6 (non-ER binding)

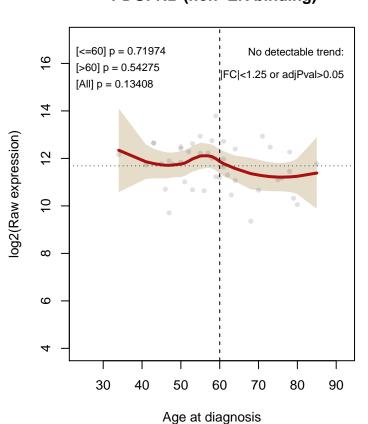


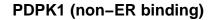
PDGFRA (non-ER binding)

[<=60] p = 0.25967No detectable trend: 16 [>60] p = 0.37079 |FC|<1.25 or adjPval>0.05 [AII] p = 0.315844 log2(Raw expression) 12 19 ω 9 30 40 50 60 70 80 90

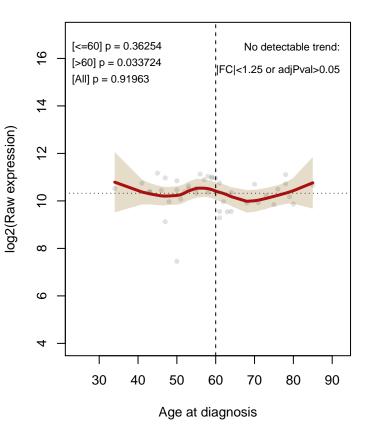
Age at diagnosis

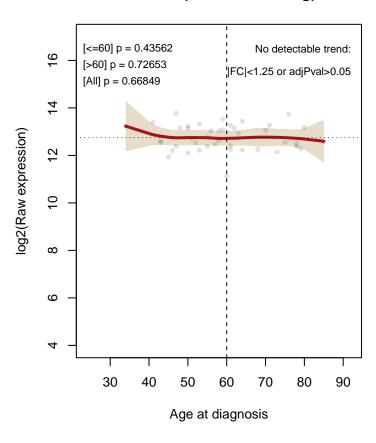
PDGFRB (non-ER binding)





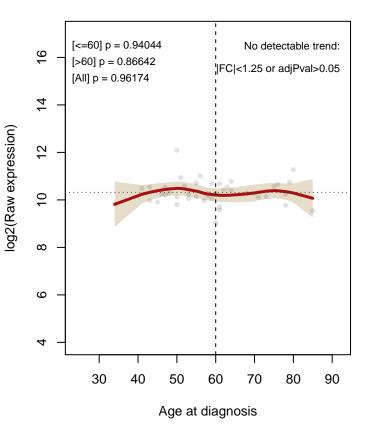
PEBP1 (non-ER binding)

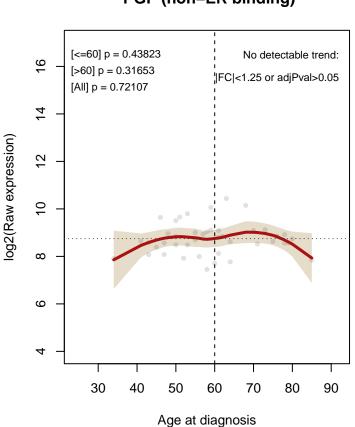


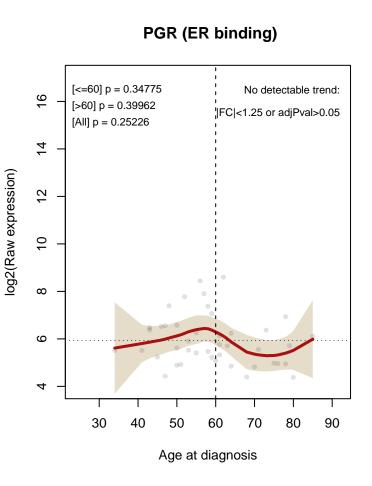


PELP1 (non-ER binding)

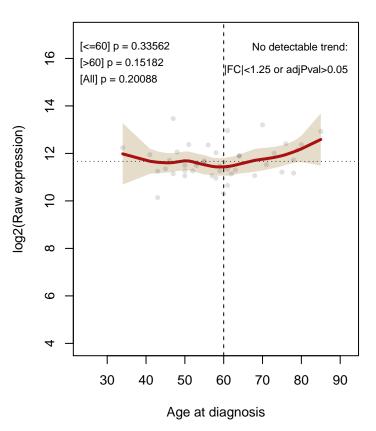
PGP (non-ER binding)



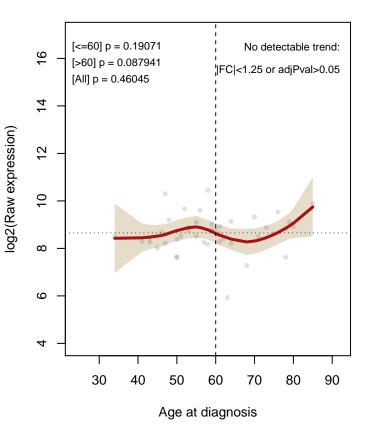




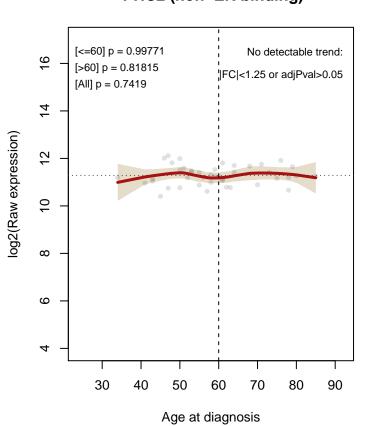
PHB2 (non-ER binding)



PHC1 (non-ER binding)

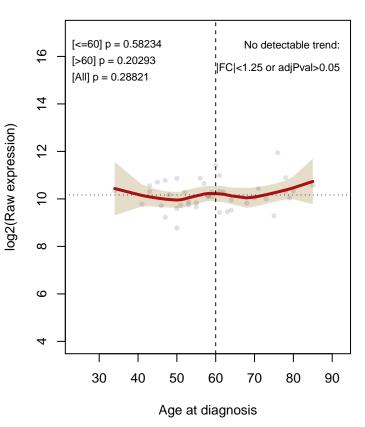


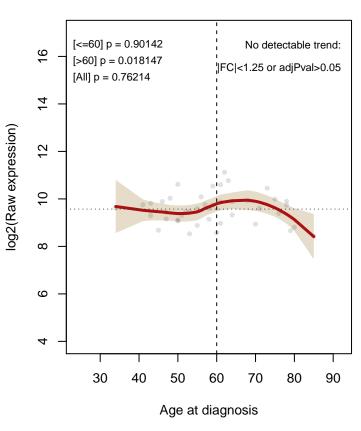
PHC2 (non-ER binding)





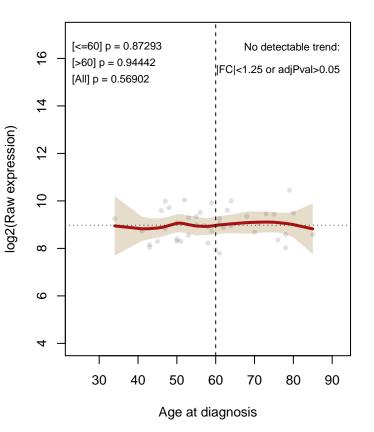
PHF1 (non-ER binding)

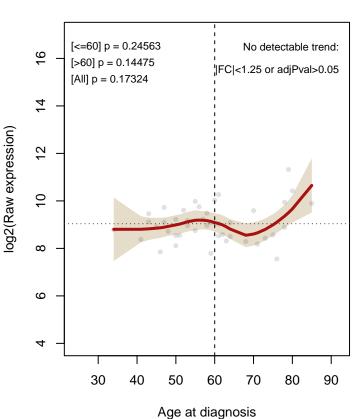




PHF19 (non-ER binding)

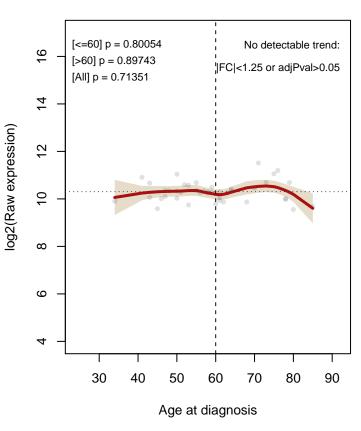
PIK3CA (non-ER binding)

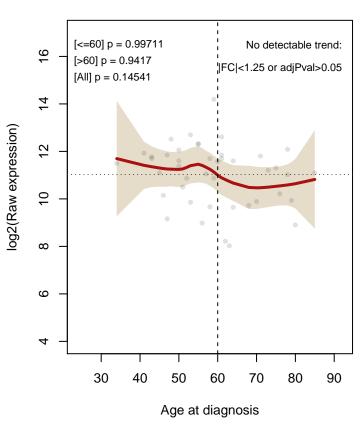




PIP5K1C (non-ER binding)

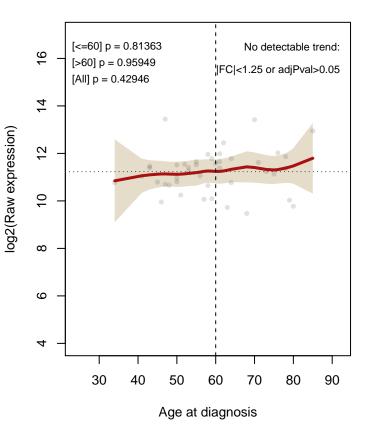
PLAU (non-ER binding)

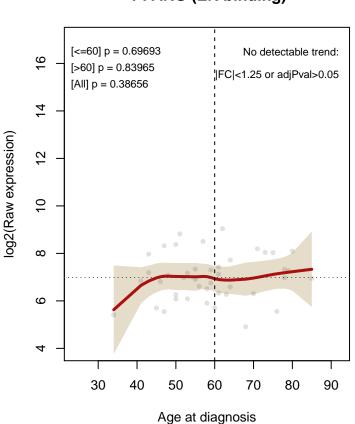


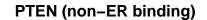


PODXL (non-ER binding)

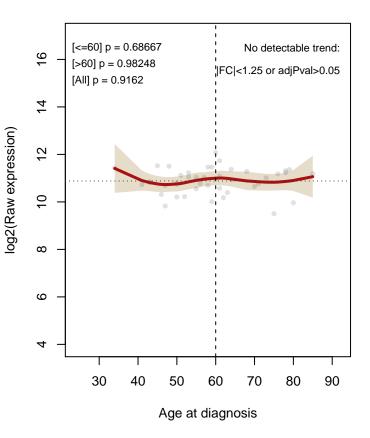
PPARG (ER binding)

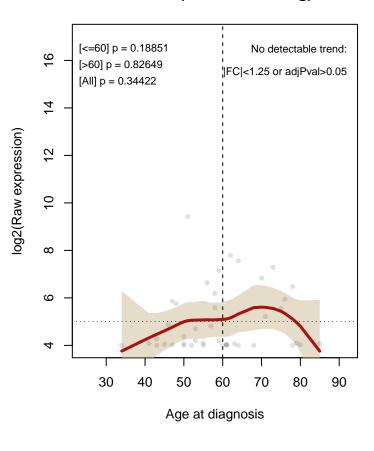






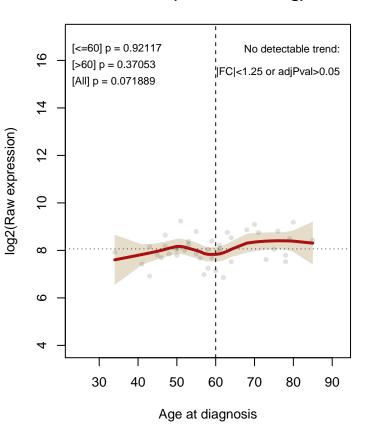
PYDC1 (non-ER binding)

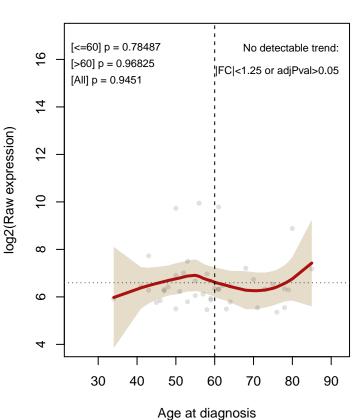




RAD51 (non-ER binding)

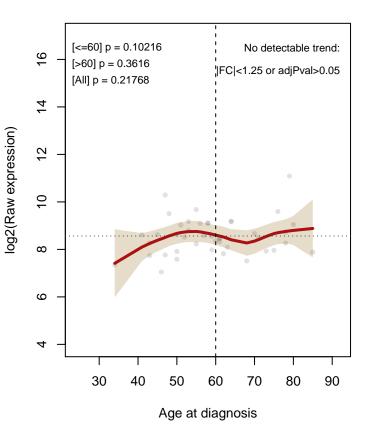
RAD51B (ER binding)

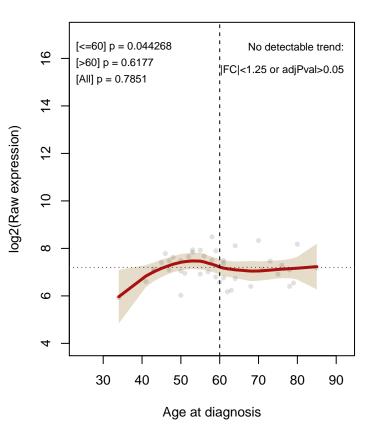




RAD51C (non-ER binding)

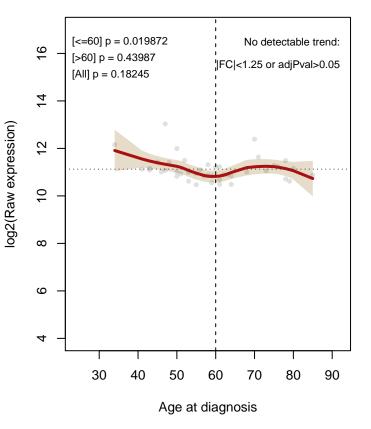
RAD51D (non-ER binding)

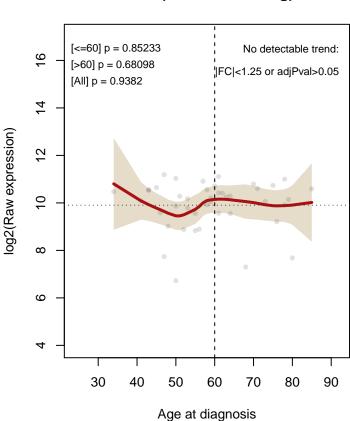


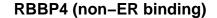


RAF1 (non-ER binding)

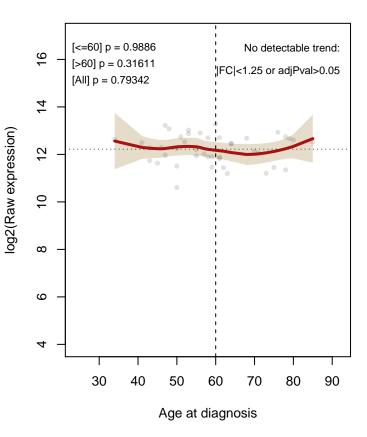
RB1 (non-ER binding)

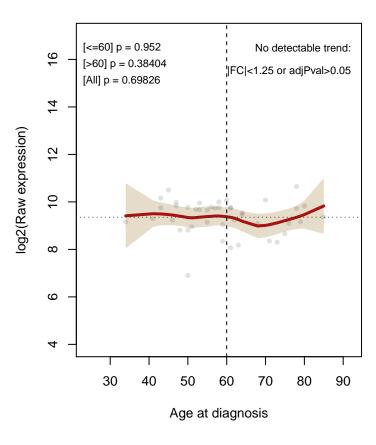






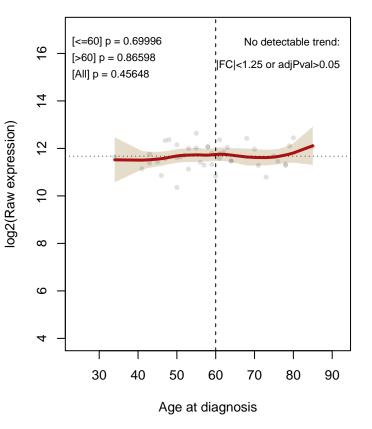
RBBP5 (non-ER binding)

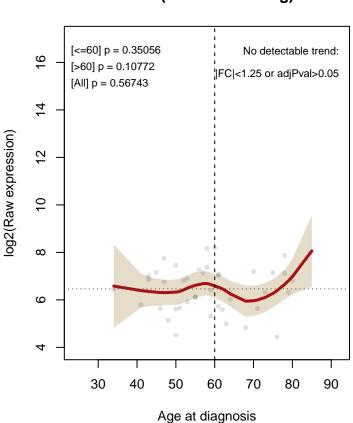


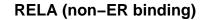


RBBP7 (non-ER binding)

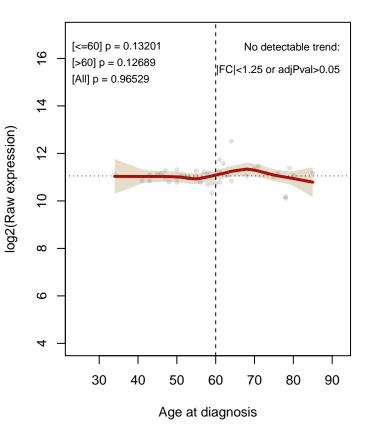
REL (non-ER binding)

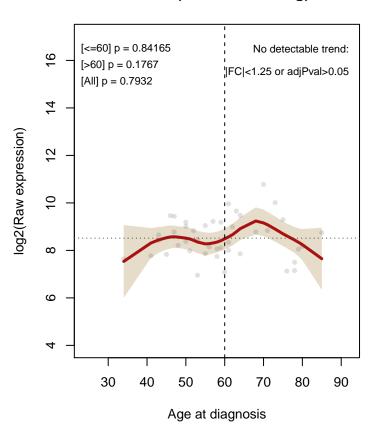






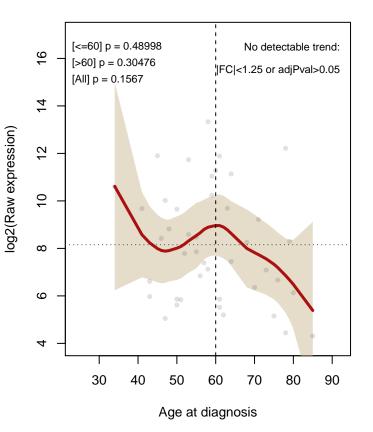
RELB (non-ER binding)

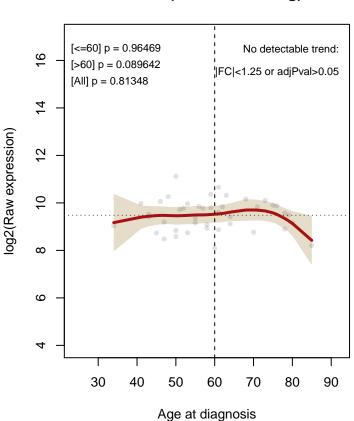




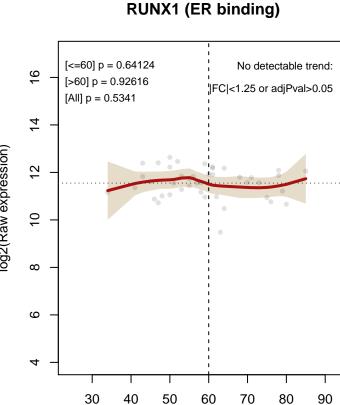
RET (ER binding)

RING1 (non-ER binding)

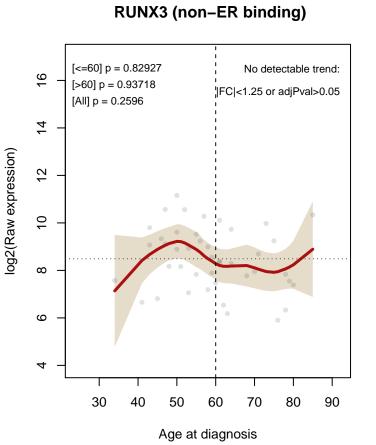


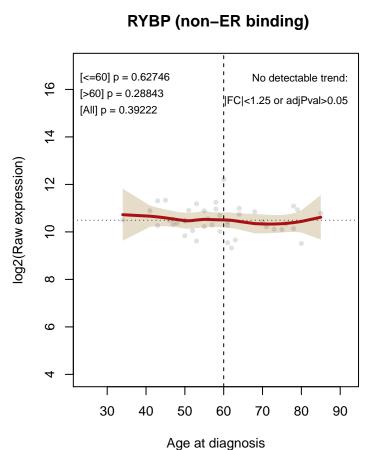


RNF2 (non-ER binding) [<=60] p = 0.86495No detectable trend: 16 16 [>60] p = 0.96245 |FC|<1.25 or adjPval>0.05 [AII] p = 0.783284 4 log2(Raw expression) log2(Raw expression) 12 12 10 10 ∞ ∞ 9 9 30 40 50 60 70 80 90 Age at diagnosis

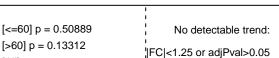


Age at diagnosis



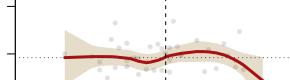


SCMH1 (non-ER binding)





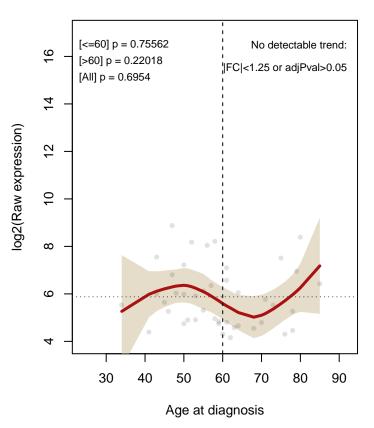
log2(Raw expression)



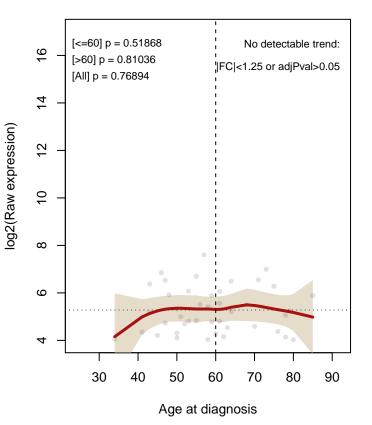


Age at diagnosis

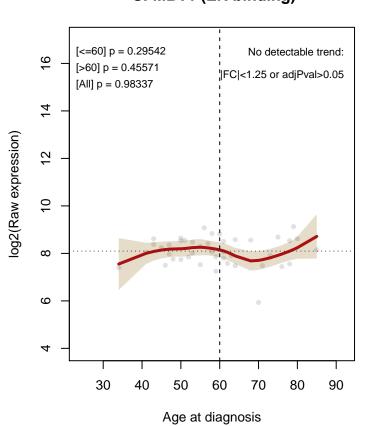
SCML2 (non-ER binding)



SCML4 (non-ER binding)

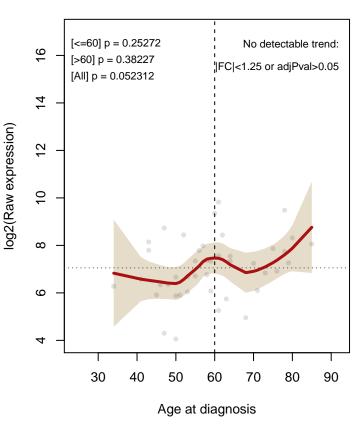


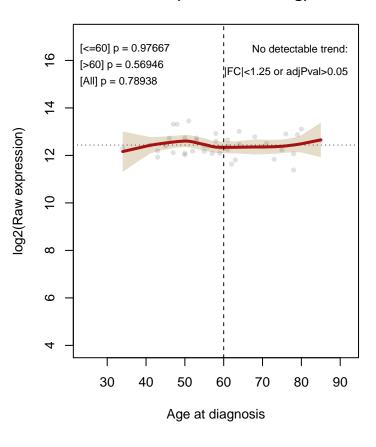
SFMBT1 (ER binding)





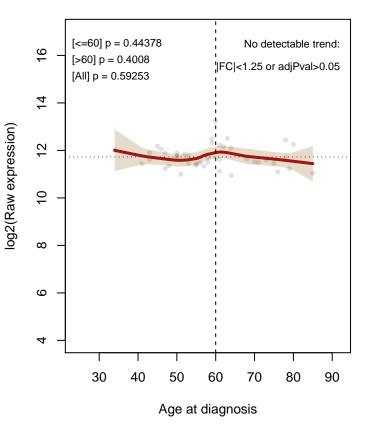
SFPQ (non-ER binding)

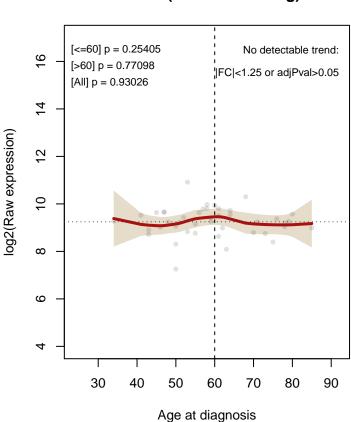




SHC1 (non-ER binding)

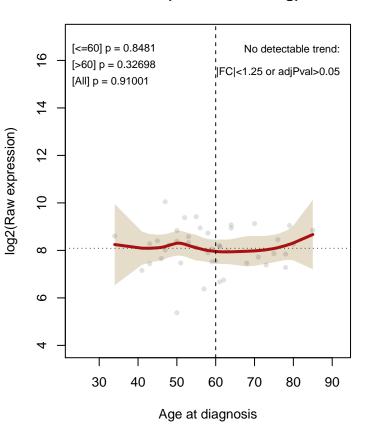
SIRT1 (non-ER binding)

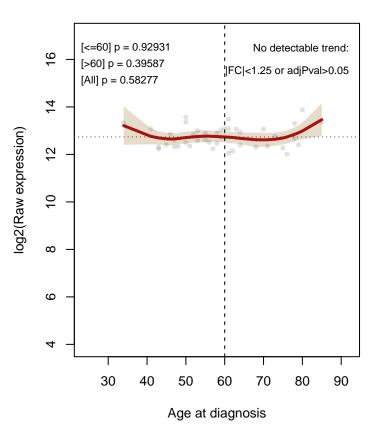




SKP2 (non-ER binding)

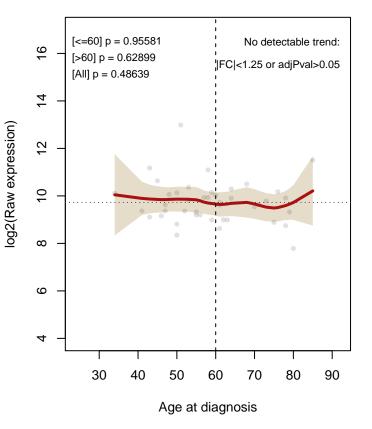
SLC25A3 (non-ER binding)

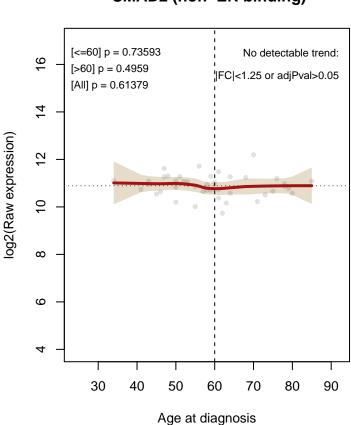




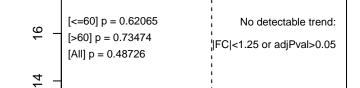
SMAD1 (non-ER binding)

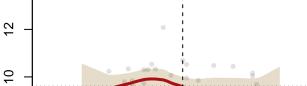
SMAD2 (non-ER binding)

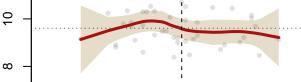




SMAD3 (ER binding)







log2(Raw expression)



Age at diagnosis

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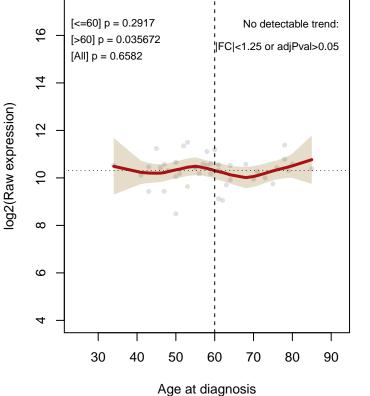
SMAD5 (non-ER binding)

60

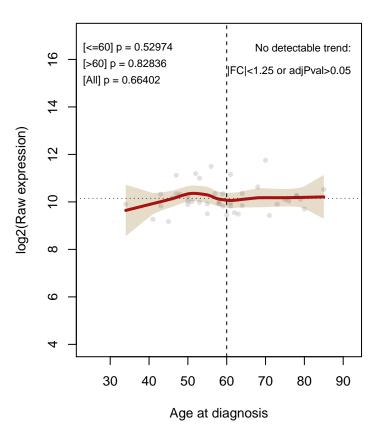
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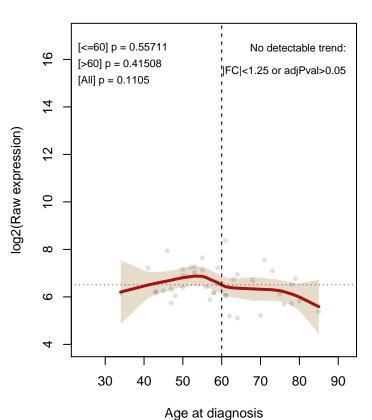
90



SMAD4 (non-ER binding)

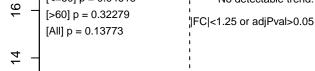


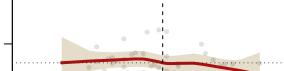
SMAD6 (non-ER binding)

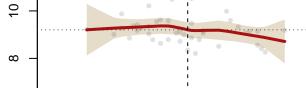


SMAD7 (non-ER binding)

[<=60] p = 0.94618No detectable trend: [>60] p = 0.32279





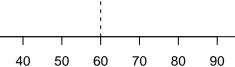


log2(Raw expression)

12

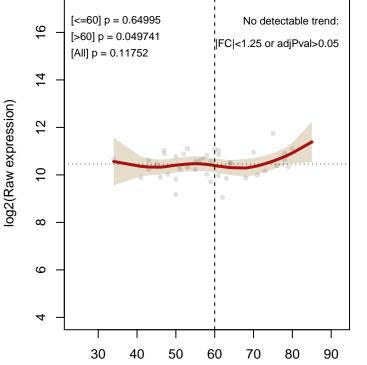
9

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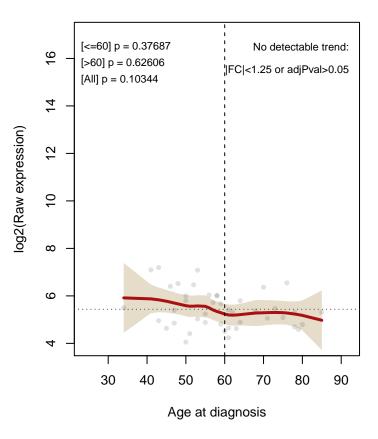
SOS1 (non-ER binding)

Age at diagnosis

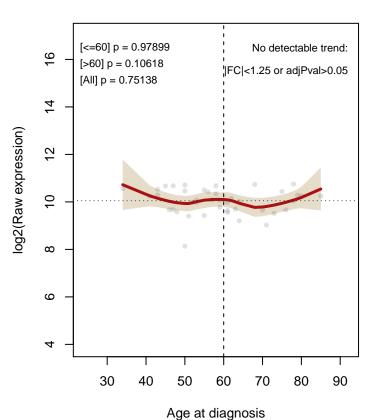


Age at diagnosis

SMAD9 (non-ER binding)



SOS2 (non-ER binding)



SP1 (non-ER binding) SRC (non-ER binding) [<=60] p = 0.81475No detectable trend: [<=60] p = 0.36521No detectable trend: 16 16 [>60] p = 0.21075 [>60] p = 0.73374 |FC|<1.25 or adjPval>0.05 |FC|<1.25 or adjPval>0.05 [All] p = 0.61157[All] p = 0.477834 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 STAT3 (non-ER binding) STAT1 (ER binding) [<=60] p = 0.11088No detectable trend: [<=60] p = 0.89192No detectable trend: 16 16 [>60] p = 0.11979 [>60] p = 0.77788 |FC|<1.25 or adjPval>0.05 |FC|<1.25 or adjPval>0.05 [All] p = 0.16242[All] p = 0.995034 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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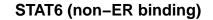
60

Age at diagnosis

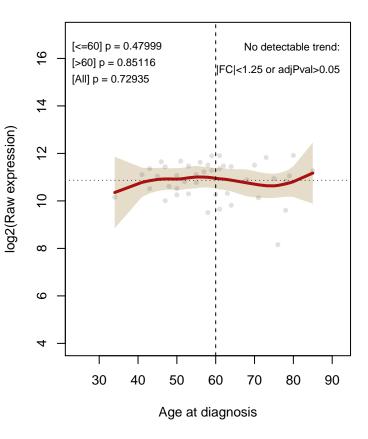
70

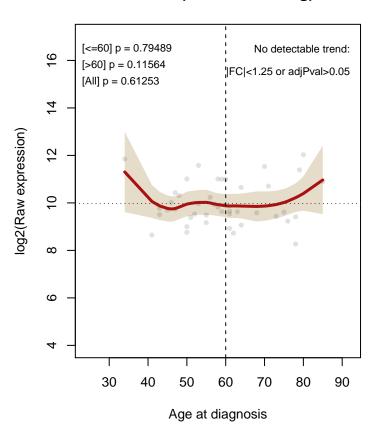
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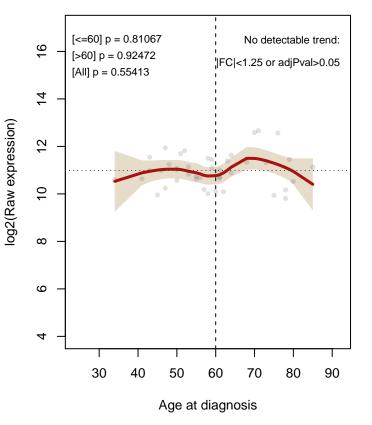
SUZ12 (non-ER binding)

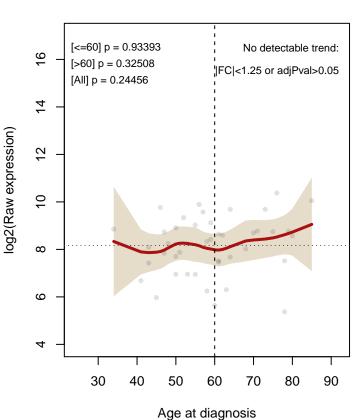




TCF3 (non-ER binding)

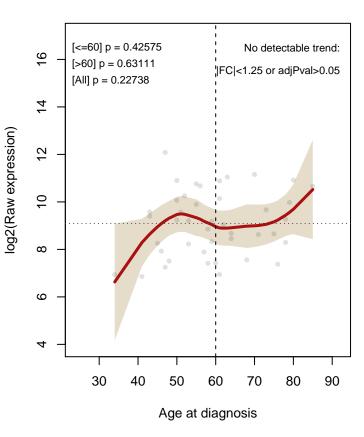
TCF7 (non-ER binding)

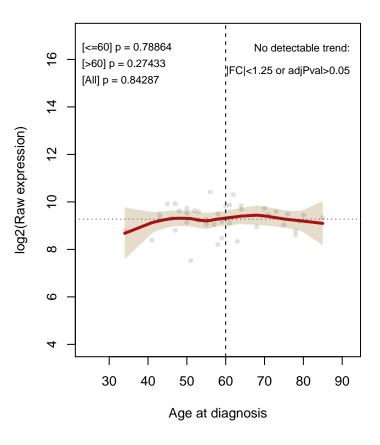






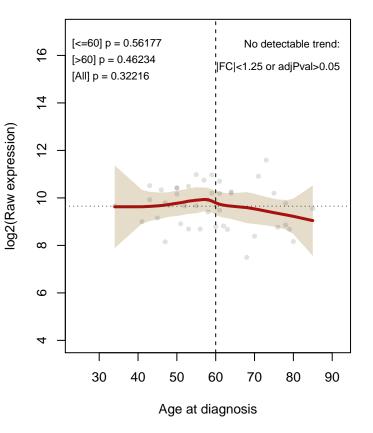
TCF7L2 (non-ER binding)

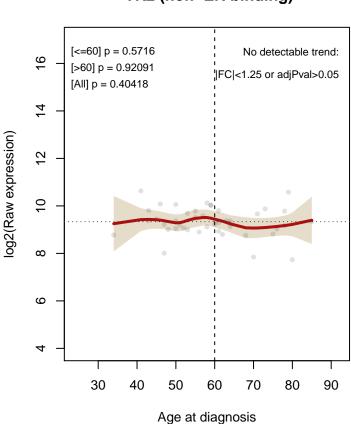


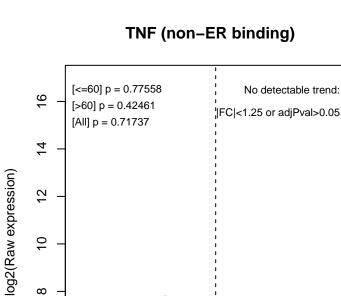


TGFB1 (non-ER binding)

TK2 (non-ER binding)

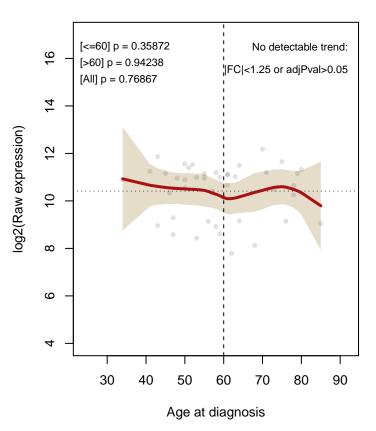






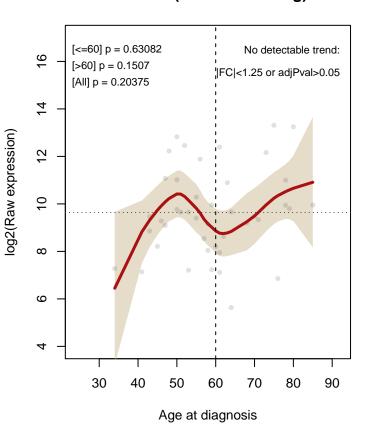
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TP53 (non-ER binding)

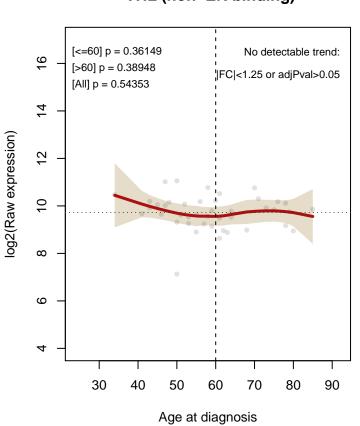


TRIM29 (non-ER binding)

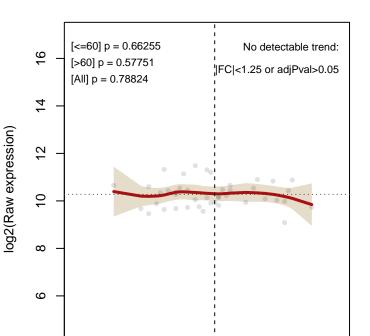
Age at diagnosis



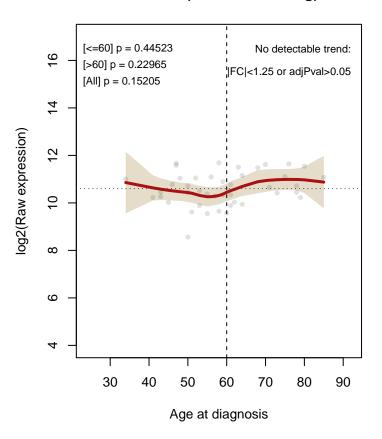
VHL (non-ER binding)





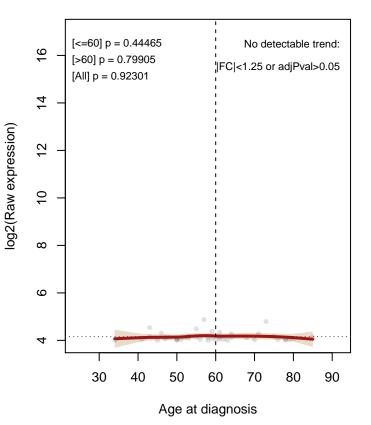


WHSC1 (non-ER binding)

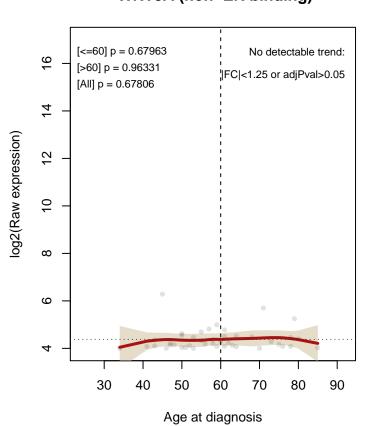


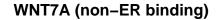
WNT1 (non-ER binding)

Age at diagnosis

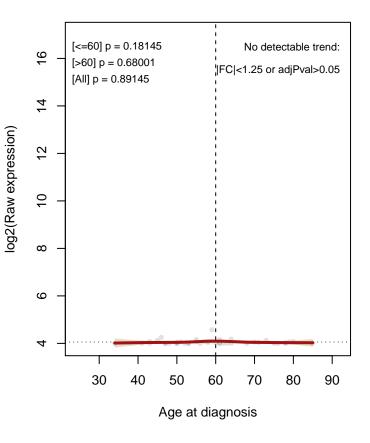


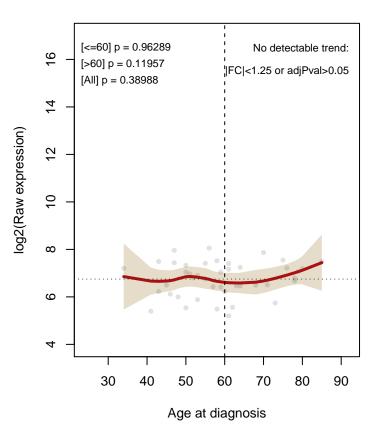
WNT3A (non-ER binding)





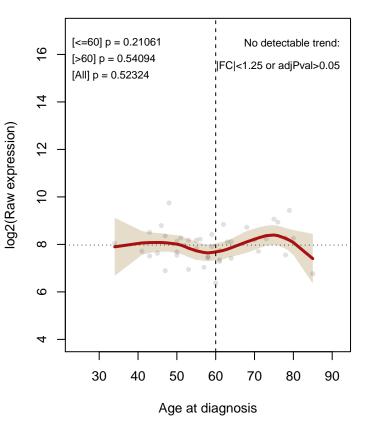
XRCC2 (non-ER binding)

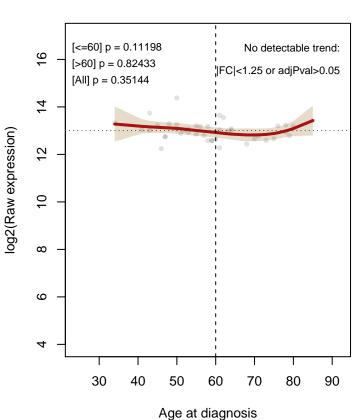




XRCC3 (non-ER binding)

XRCC6 (non-ER binding)





YAF2 (non-ER binding)

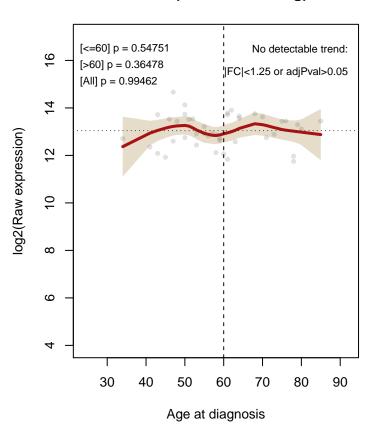
9t - [<=60] p = 0.52199 | No detectable trend: |FC|<1.25 or adjPval>0.05 | PC|<1.25 or adjPval>0.05 |

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YBX1 (non-ER binding)



YY1 (non-ER binding)

Age at diagnosis

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