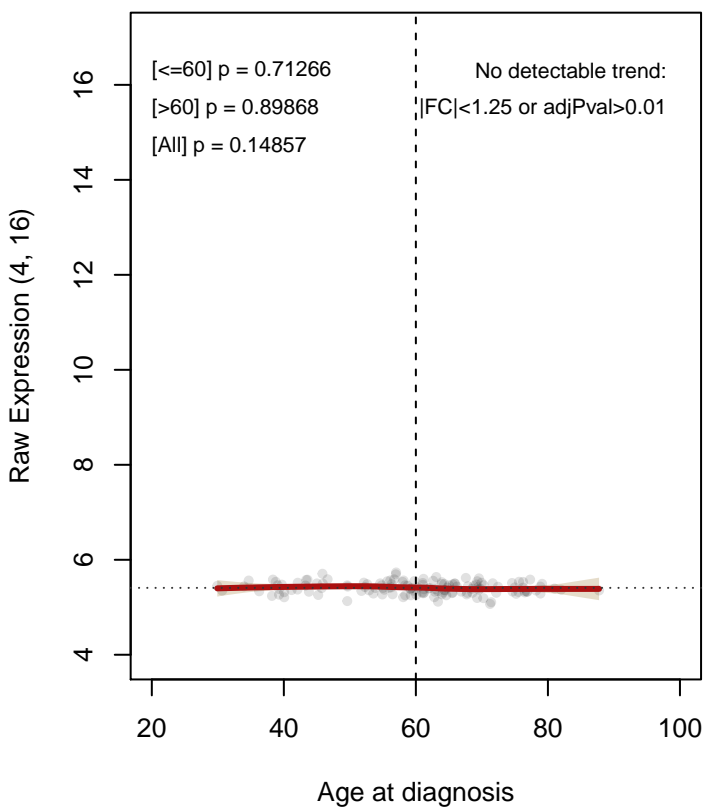**iClust 1: N = 140**
ATM|ILMN_1713630 (non−ER binding)

[<=60] p = 0.71266
[>60] p = 0.89868
[All] p = 0.14857

No detectable trend:
|FC|<1.25 or adjPval>0.01

Raw Expression (4, 16)

Age at diagnosis

iClust 2: N = 72
ATM|ILMN_1713630 (non−ER binding)

[<=60] p = 0.98986
[>60] p = 0.93387
[All] p = 0.78814

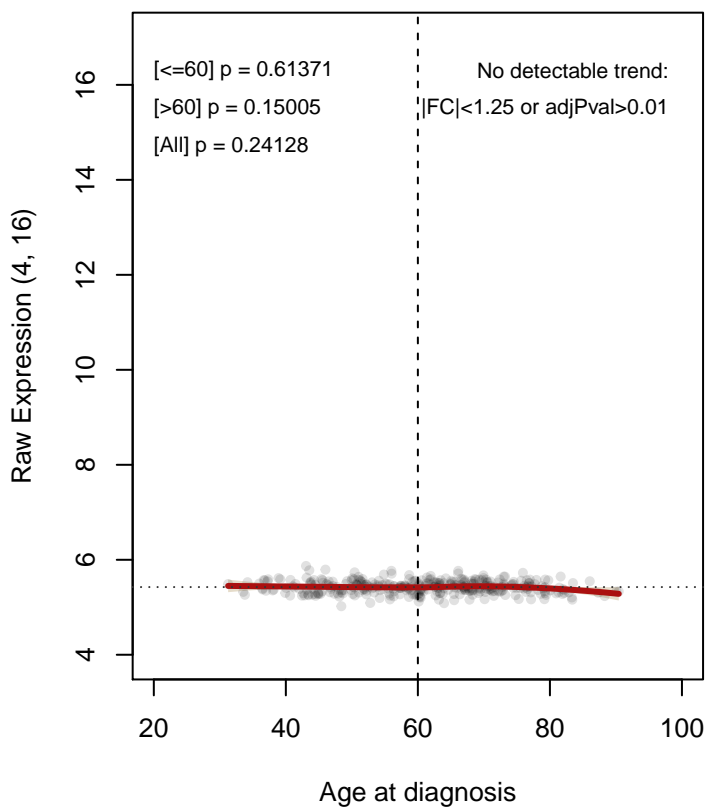No detectable trend:
|FC|<1.25 or adjPval>0.01

Raw Expression (4, 16)

Age at diagnosis
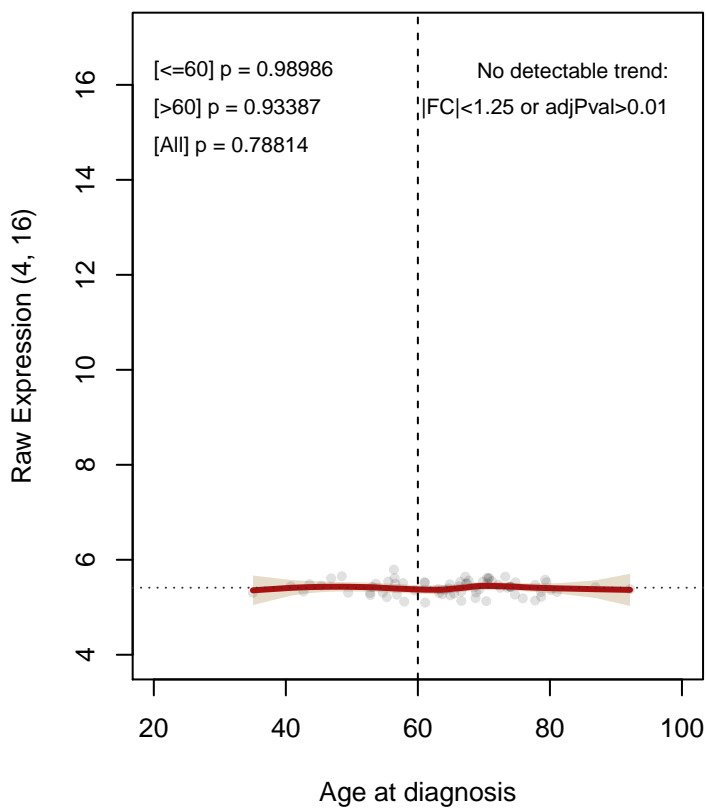
iClust 3: N = 294
ATM|ILMN_1713630 (non−ER binding)

[<=60] p = 0.76093
[>60] p = 0.038571
[All] p = 0.52268

No detectable trend:
|FC|<1.25 or adjPval>0.01

Raw Expression (4, 16)

Age at diagnosis
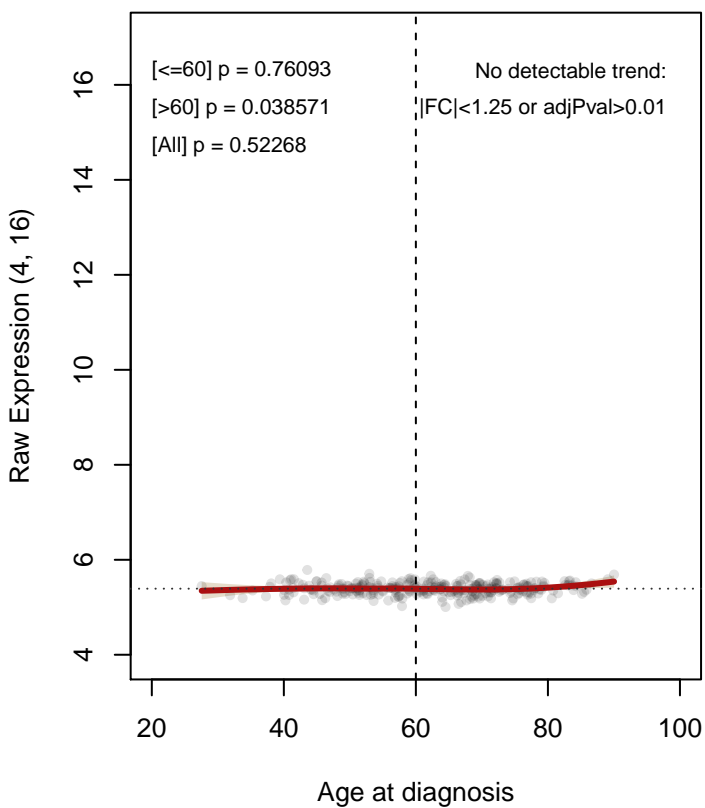
iClust 4: N = 344
ATM|ILMN_1713630 (non−ER binding)

[<=60] p = 0.61371
[>60] p = 0.15005
[All] p = 0.24128

No detectable trend:
|FC|<1.25 or adjPval>0.01

Raw Expression (4, 16)

Age at diagnosis

iClust 5: N = 191
ATM|ILMN_1713630 (non−ER binding)

[<=60] p = 0.50443
[>60] p = 0.63307
[All] p = 0.76252

No detectable trend:
|FC|<1.25 or adjPval>0.01

Raw Expression (4, 16)

Age at diagnosis
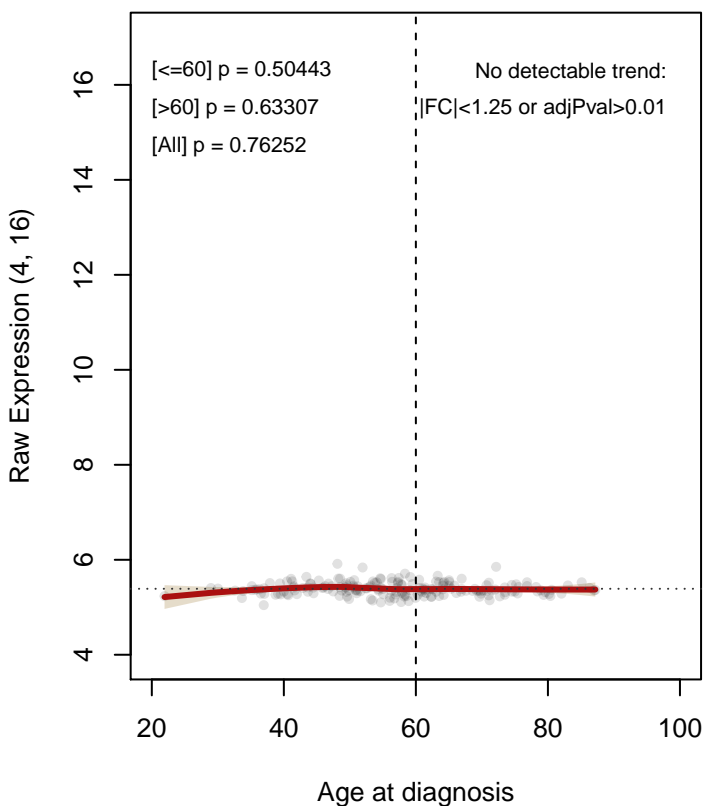
iClust 6: N = 86
ATM|ILMN_1713630 (non−ER binding)

[<=60] p = 0.88535
[>60] p = 0.071173
[All] p = 0.74489

No detectable trend:
|FC|<1.25 or adjPval>0.01

Raw Expression (4, 16)

Age at diagnosis
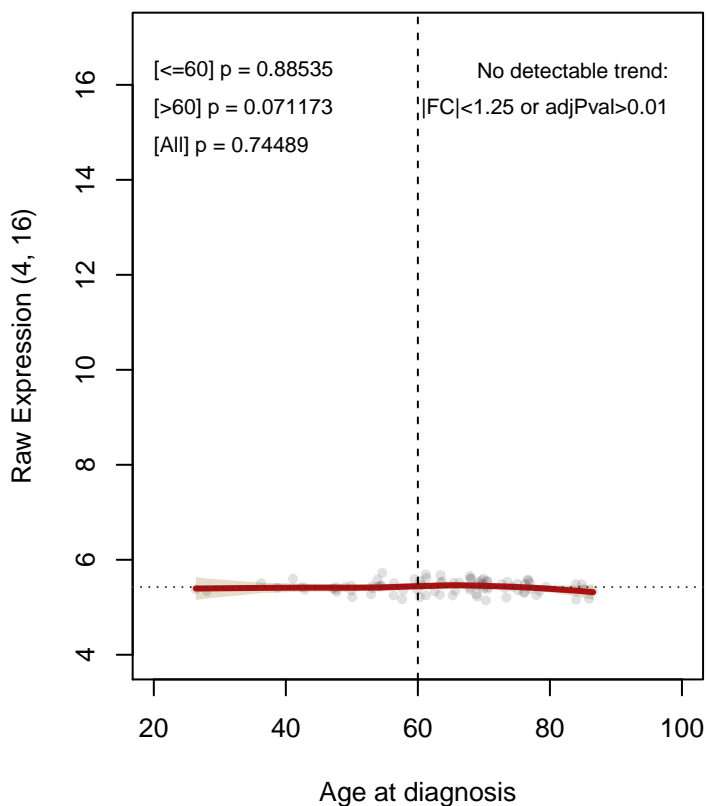
iClust 7: N = 193
ATM|ILMN_1713630 (non−ER binding)

[<=60] p = 0.93065
[>60] p = 0.42519
[All] p = 0.89323

No detectable trend:
|FC|<1.25 or adjPval>0.01

Raw Expression (4, 16)

Age at diagnosis
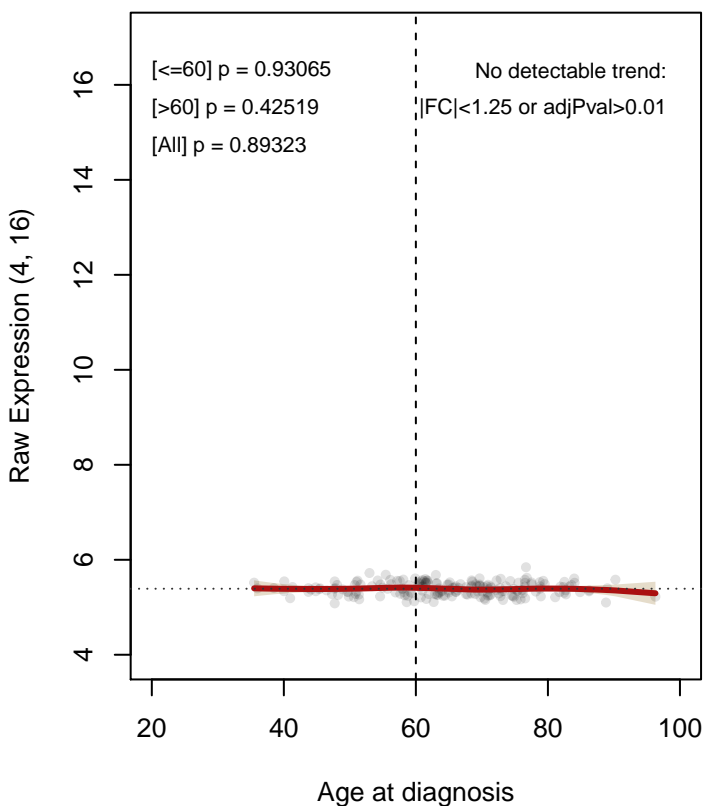
iClust 8: N = 300
ATM|ILMN_1713630 (non−ER binding)

[<=60] p = 0.63385
[>60] p = 0.27588
[All] p = 0.28796

No detectable trend:
|FC|<1.25 or adjPval>0.01

Raw Expression (4, 16)

Age at diagnosis
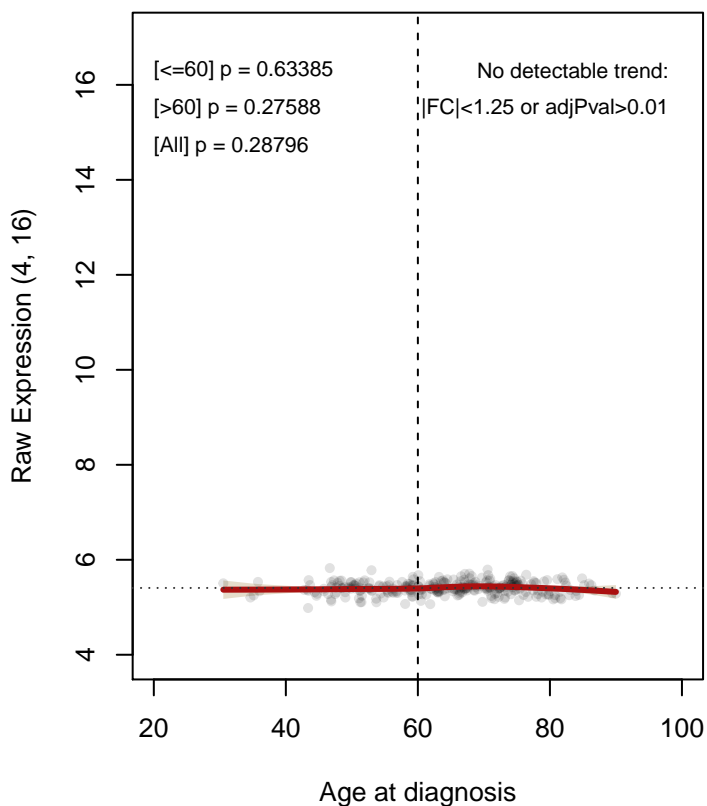
iClust 9: N = 146
ATM|ILMN_1713630 (non−ER binding)

[<=60] p = 0.63199

[>60] p = 0.58433

[All] p = 0.91801

No detectable trend:
|FC|<1.25 or adjPval>0.01

Raw Expression (4, 16)

Age at diagnosis
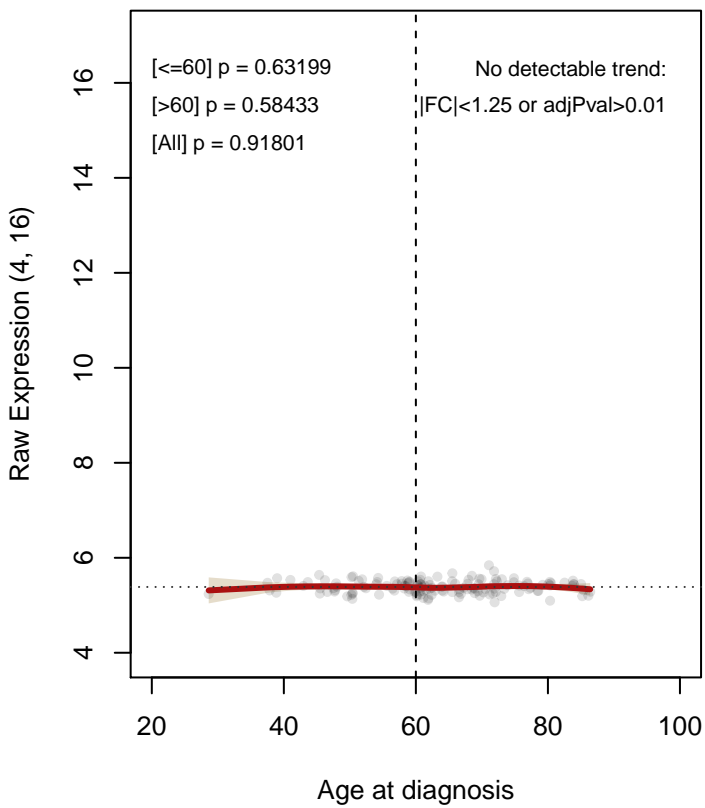
iClust 10: N = 226
ATM|ILMN_1713630 (non−ER binding)

[<=60] p = 0.79012

[>60] p = 0.92818

[All] p = 0.7272

No detectable trend:
|FC|<1.25 or adjPval>0.01

Raw Expression (4, 16)

Age at diagnosis