iClust 1: N = 140 iClust 2: N = 72 DEFB1|ILMN\_1686573 (non-ER binding) DEFB1|ILMN\_1686573 (non-ER binding) [<=60] p = 0.15979 No detectable trend: [<=60] p = 0.94376No detectable trend: 16 16 [>60] p = 0.74775 |FC|<1.25 or adjPval>0.01 [>60] p = 0.017272 |FC|<1.25 or adjPval>0.01 [AII] p = 0.020278[AII] p = 0.0811764 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9 20 40 60 80 100 20 40 60 80 100 Age at diagnosis Age at diagnosis iClust 3: N = 294 iClust 4: N = 344 DEFB1|ILMN\_1686573 (non-ER binding) DEFB1|ILMN\_1686573 (non-ER binding) [<=60] p = 0.50236No detectable trend: [<=60] p = 0.022904No detectable trend: 16 16 [>60] p = 0.17617 |FC|<1.25 or adjPval>0.01 [>60] p = 0.057237|FC|<1.25 or adjPval>0.01 [AII] p = 0.0019992[AII] p = 0.000330984 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9 20 40 60 80 100 20 40 60 80 100

Age at diagnosis

Age at diagnosis

iClust 5: N = 191 iClust 6: N = 86 DEFB1|ILMN\_1686573 (non-ER binding) DEFB1|ILMN\_1686573 (non-ER binding) [<=60] p = 0.010041No detectable trend: [<=60] p = 0.23488No detectable trend: 16 16 [>60] p = 0.12113 [>60] p = 0.74672|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.0032611[AII] p = 0.260624 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9 20 40 60 80 100 20 40 60 80 100 Age at diagnosis Age at diagnosis iClust 7: N = 193 iClust 8: N = 300 DEFB1|ILMN\_1686573 (non-ER binding) DEFB1|ILMN\_1686573 (non-ER binding) [<=60] p = 0.025735[<=60] p = 0.61189 No detectable trend: No detectable trend: 16 16 [>60] p = 0.39602|FC|<1.25 or adjPval>0.01 [>60] p = 0.00043289 |FC|<1.25 or adjPval>0.01 [AII] p = 0.10971[AII] p = 5.7418e - 084 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9 20 40 60 80 100 20 40 60 80 100 Age at diagnosis Age at diagnosis

iClust 9: N = 146 DEFB1|ILMN\_1686573 (non-ER binding)

iClust 10: N = 226 DEFB1|ILMN\_1686573 (non-ER binding)

