iClust 1: N = 140 iClust 2: N = 72 PLAU|ILMN_1656057 (non-ER binding) PLAU|ILMN_1656057 (non-ER binding) [<=60] p = 0.4013 No detectable trend: [<=60] p = 0.16816No detectable trend: 16 16 [>60] p = 0.70626[>60] p = 0.56266 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.45657[AII] p = 0.0173784 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 4: N = 344 iClust 3: N = 294 PLAU|ILMN_1656057 (non-ER binding) PLAU|ILMN_1656057 (non-ER binding) [<=60] p = 0.19676No detectable trend: [<=60] p = 0.41625No detectable trend: 16 16 [>60] p = 0.93625|FC|<1.25 or adjPval>0.01 [>60] p = 0.039875|FC|<1.25 or adjPval>0.01 [AII] p = 0.21498[AII] p = 0.651164 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 PLAU|ILMN_1656057 (non-ER binding) PLAU|ILMN_1656057 (non-ER binding) [<=60] p = 0.13714No detectable trend: [<=60] p = 0.75721No detectable trend: 16 16 [>60] p = 0.4958[>60] p = 0.60941 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.24891[AII] p = 0.134534 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 19 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 PLAU|ILMN_1656057 (non-ER binding) PLAU|ILMN_1656057 (non-ER binding) [<=60] p = 0.19598No detectable trend: [<=60] p = 0.97989No detectable trend: 16 16 [>60] p = 0.37016|FC|<1.25 or adjPval>0.01 [>60] p = 0.73002|FC|<1.25 or adjPval>0.01 [AII] p = 0.55303[AII] p = 0.725454 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 PLAU|ILMN_1656057 (non-ER binding)

iClust 10: N = 226 PLAU|ILMN_1656057 (non-ER binding)

