iClust 1: N = 140 iClust 2: N = 72 DLC1|ILMN_1698020 (ER binding) DLC1|ILMN_1698020 (ER binding) [<=60] p = 0.53005No detectable trend: [<=60] p = 0.66115No detectable trend: 16 16 [>60] p = 0.31782 |FC|<1.25 or adjPval>0.01 [>60] p = 0.36958|FC|<1.25 or adjPval>0.01 [AII] p = 0.0061233[AII] p = 0.611194 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ∞ 9 9 20 20 40 60 80 100 40 60 80 100 Age at diagnosis Age at diagnosis iClust 3: N = 294 iClust 4: N = 344 DLC1|ILMN_1698020 (ER binding) DLC1|ILMN_1698020 (ER binding) [<=60] p = 0.97869[<=60] p = 0.97802No detectable trend: No detectable trend: 16 16 [>60] p = 0.29215 |FC|<1.25 or adjPval>0.01 [>60] p = 0.44173 |FC|<1.25 or adjPval>0.01 [AII] p = 0.86075[AII] p = 0.303414 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ∞ ∞ 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 DLC1|ILMN_1698020 (ER binding) DLC1|ILMN_1698020 (ER binding) [<=60] p = 0.37536No detectable trend: [<=60] p = 0.038257No detectable trend: 16 16 [>60] p = 0.56166|FC|<1.25 or adjPval>0.01 [>60] p = 0.4261 |FC|<1.25 or adjPval>0.01 [AII] p = 0.49384[AII] p = 0.738044 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ∞ ∞ 9 9 20 20 40 60 80 100 40 60 80 100 Age at diagnosis Age at diagnosis iClust 7: N = 193 iClust 8: N = 300 DLC1|ILMN_1698020 (ER binding) DLC1|ILMN_1698020 (ER binding) [<=60] p = 0.78542No detectable trend: [<=60] p = 0.98491No detectable trend: 16 16 [>60] p = 0.23641 |FC|<1.25 or adjPval>0.01 [>60] p = 0.92556|FC|<1.25 or adjPval>0.01 [AII] p = 0.60338[All] p = 0.593974 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ∞ 9 9 20 20 40 60 80 100 40 60 80 100 Age at diagnosis Age at diagnosis

iClust 9: N = 146 DLC1|ILMN_1698020 (ER binding)

iClust 10: N = 226 DLC1|ILMN_1698020 (ER binding)

