iClust 1: N = 140 iClust 2: N = 72 HIF1alpha|ILMN_2379788 (non-ER binding) HIF1alpha|ILMN_2379788 (non-ER binding) [<=60] p = 0.1463No detectable trend: [<=60] p = 0.50492No detectable trend: 16 16 [>60] p = 0.67762 [>60] p = 0.056925|FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.53237[AII] p = 0.252214 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 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 HIF1alpha|ILMN_2379788 (non-ER binding) HIF1alpha|ILMN_2379788 (non-ER binding) [<=60] p = 0.056847No detectable trend: [<=60] p = 0.64722No detectable trend: 16 16 [>60] p = 0.60479|FC|<2 or adjPval>0.01 [>60] p = 0.77053|FC|<2 or adjPval>0.01 [AII] p = 0.12514[AII] p = 0.589494 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 HIF1alpha|ILMN_2379788 (non-ER binding) HIF1alpha|ILMN_2379788 (non-ER binding) [<=60] p = 0.4083No detectable trend: [<=60] p = 0.29723No detectable trend: 16 16 [>60] p = 0.049659 [>60] p = 0.36241 |FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.031755[AII] p = 0.299084 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 7: N = 193 iClust 8: N = 300 HIF1alpha|ILMN_2379788 (non-ER binding) HIF1alpha|ILMN_2379788 (non-ER binding) [<=60] p = 0.89962No detectable trend: [<=60] p = 0.94494No detectable trend: 16 16 [>60] p = 0.70999 |FC|<2 or adjPval>0.01 [>60] p = 0.75667|FC|<2 or adjPval>0.01 [AII] p = 0.84926[AII] p = 0.0958684 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 9: N = 146 HIF1alpha|ILMN_2379788 (non-ER binding)

iClust 10: N = 226 HIF1alpha|ILMN_2379788 (non-ER binding)

