iClust 1: N = 140 iClust 2: N = 72 HSP27|ILMN\_1674236 (non-ER binding) HSP27|ILMN\_1674236 (non-ER binding) [<=60] p = 0.80532No detectable trend: [<=60] p = 0.16085No detectable trend: 16 16 [>60] p = 0.81505 [>60] p = 0.41743 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.36878[AII] p = 0.355664 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9 20 40 60 80 20 40 60 80 100 100 Age at diagnosis Age at diagnosis iClust 3: N = 294 iClust 4: N = 344 HSP27|ILMN\_1674236 (non-ER binding) HSP27|ILMN\_1674236 (non-ER binding) [<=60] p = 0.19086No detectable trend: [<=60] p = 0.80934No detectable trend: 16 16 [>60] p = 0.57994 [>60] p = 0.51075 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.49322[AII] p = 0.296054 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 HSP27|ILMN\_1674236 (non-ER binding) HSP27|ILMN\_1674236 (non-ER binding) [<=60] p = 0.88355No detectable trend: [<=60] p = 0.74993No detectable trend: 16 16 [>60] p = 0.14224 [>60] p = 0.34962|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.010669[AII] p = 0.833214 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9 20 40 60 80 20 40 60 80 100 100 Age at diagnosis Age at diagnosis iClust 7: N = 193 iClust 8: N = 300 HSP27|ILMN\_1674236 (non-ER binding) HSP27|ILMN\_1674236 (non-ER binding) [<=60] p = 0.071682No detectable trend: [<=60] p = 0.64163No detectable trend: 16 16 [>60] p = 0.69468[>60] p = 0.8536|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.64508[AII] p = 0.990984 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 9: N = 146 HSP27|ILMN\_1674236 (non-ER binding)

iClust 10: N = 226 HSP27|ILMN\_1674236 (non-ER binding)

