iClust 1: N = 140 iClust 2: N = 72 ENPP5|ILMN_1660727 (non-ER binding) ENPP5|ILMN_1660727 (non-ER binding) [<=60] p = 0.41437 No detectable trend: [<=60] p = 0.17226No detectable trend: 16 16 [>60] p = 0.32473[>60] p = 0.87519 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.082989[AII] p = 0.251574 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 ENPP5|ILMN_1660727 (non-ER binding) ENPP5|ILMN_1660727 (non-ER binding) [<=60] p = 0.23089[<=60] p = 0.10076No detectable trend: No detectable trend: 16 16 [>60] p = 0.017161 |FC|<1.25 or adjPval>0.01 [>60] p = 0.11587 |FC|<1.25 or adjPval>0.01 [AII] p = 3.5302e - 08[AII] p = 0.00187024 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 ENPP5|ILMN_1660727 (non-ER binding) ENPP5|ILMN_1660727 (non-ER binding) [<=60] p = 0.55657No detectable trend: [<=60] p = 0.24846No detectable trend: 16 16 [>60] p = 0.026808 [>60] p = 0.51943 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.014425[AII] p = 0.222534 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 ENPP5|ILMN_1660727 (non-ER binding) ENPP5|ILMN_1660727 (non-ER binding) [<=60] p = 0.085475No detectable trend: [<=60] p = 0.015822No detectable trend: 16 16 [>60] p = 0.81915 [>60] p = 0.089067|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.33135[AII] p = 8.3995e-074 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 ENPP5|ILMN_1660727 (non-ER binding)

iClust 10: N = 226 ENPP5|ILMN_1660727 (non-ER binding)

