PAM50 LumA: N = 721 PAM50 LumB: N = 492 HIF3alpha|ILMN_1663015 (non-ER binding) HIF3alpha|ILMN_1663015 (non-ER binding) [<=60] p = 0.12376No detectable trend: [<=60] p = 0.21359No detectable trend: 16 16 [>60] p = 0.032988 [>60] p = 0.83152 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.009162[AII] p = 0.950764 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 PAM50 Her2: N = 240 **PAM50 Basal: N = 331** HIF3alpha|ILMN_1663015 (non-ER binding) HIF3alpha|ILMN_1663015 (non-ER binding) [<=60] p = 0.81723[<=60] p = 0.30771No detectable trend: No detectable trend: 16 16 [>60] p = 0.85862|FC|<4 or adjPval>0.01 [>60] p = 0.94748|FC|<4 or adjPval>0.01 [AII] p = 0.51801[AII] p = 0.427254 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

PAM50 Normal: N = 202 HIF3alpha|ILMN_1663015 (non-ER binding)

