HER2-enriched



 Triple negative (basal-like)



**Suppl 6.** Correlation between of PIK3R1 gene expression and clinical outcome. Using the Kaplan Meier plotter database, we found that there is a better overall survival (OS)in high PIK3R1 mRNA expression level (212240\_s\_at) compared to those with low PIK3R1 mRNA expression tumors in luminal A (ER+/HER2 low) subtype (*p* =0.0018). There was a trend of positive correlation betweenPIK3R1 mRNA expression (212240\_s\_at) in patient OS in luminal B (ER+/HER2 high, *p*=0.27) and HER2-enriched (*p*=0.49) subtypes. In contrast, no correlation between PIK3R1 mRNA expression (212240\_s\_at) in patient OS in triple negative subtype (*p*=0.84).