



**Figure 3. Role of gene expression in chromosomal translocation density.** All silent genes were classified as the first bin while all nonsilent genes were sorted by gene expression data from GDC and then divided into 4 bins with the same number of genes. Total translocation number for each bin was analyzed and normalized by bin size and total sample number. Translocation density increases in nonsilent regions with gene expression levels for BRCA, GBM, OV, STAD, UCEC, HNSC and LIHC.