

**Figure S1** Differences in pathway activities scored per patient by GSVA between the high- and low-risk group. The blue bars: pathways with significant higher scores in high-risk group; green bars: pathways with significant lower scores in high-risk group; gray bars: pathways with no significant difference. UV, ultraviolet; GSVA, gene set variation analysis.

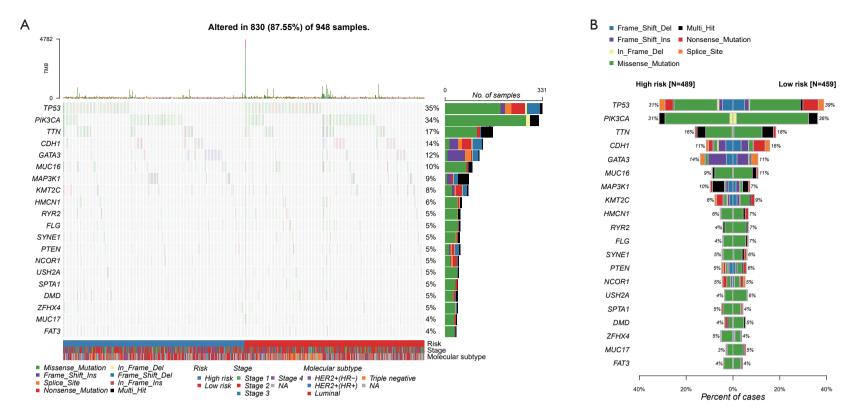


Figure S2 Correlation between risk score and gene mutations. (A) Waterfall graph of gene mutations in high- and low-risk groups. (B) The distribution of gene mutations in high- and low-risk groups. HER2, human epidermal growth receptor 2; HR, hormone receptor; NA, not available.