

SUPPLEMENTARY FIGURE S8

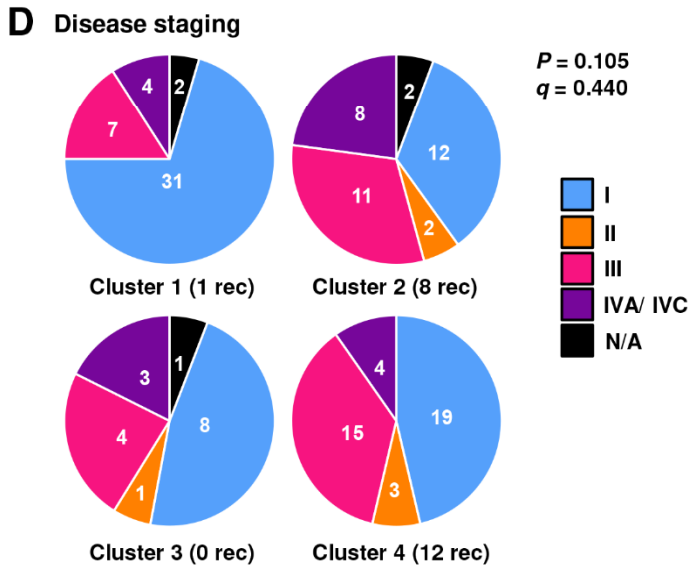
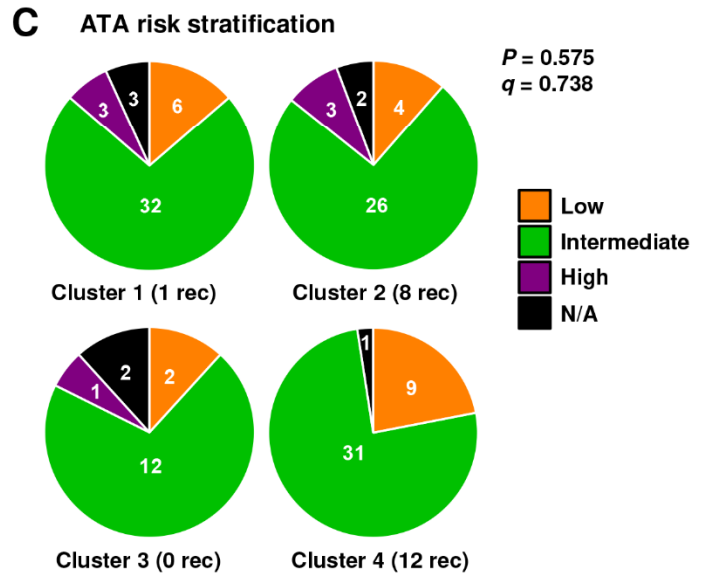
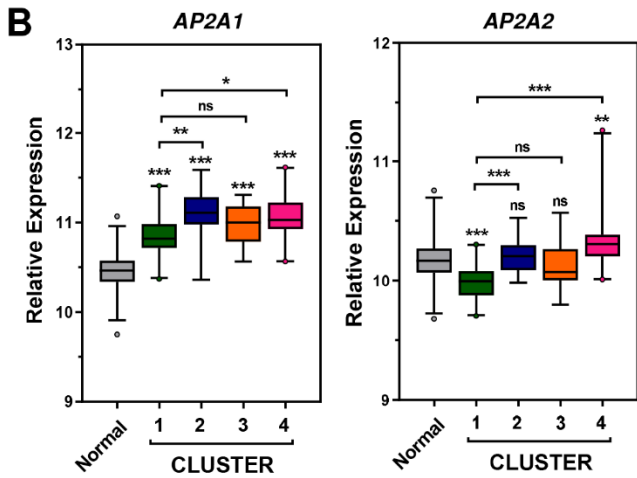
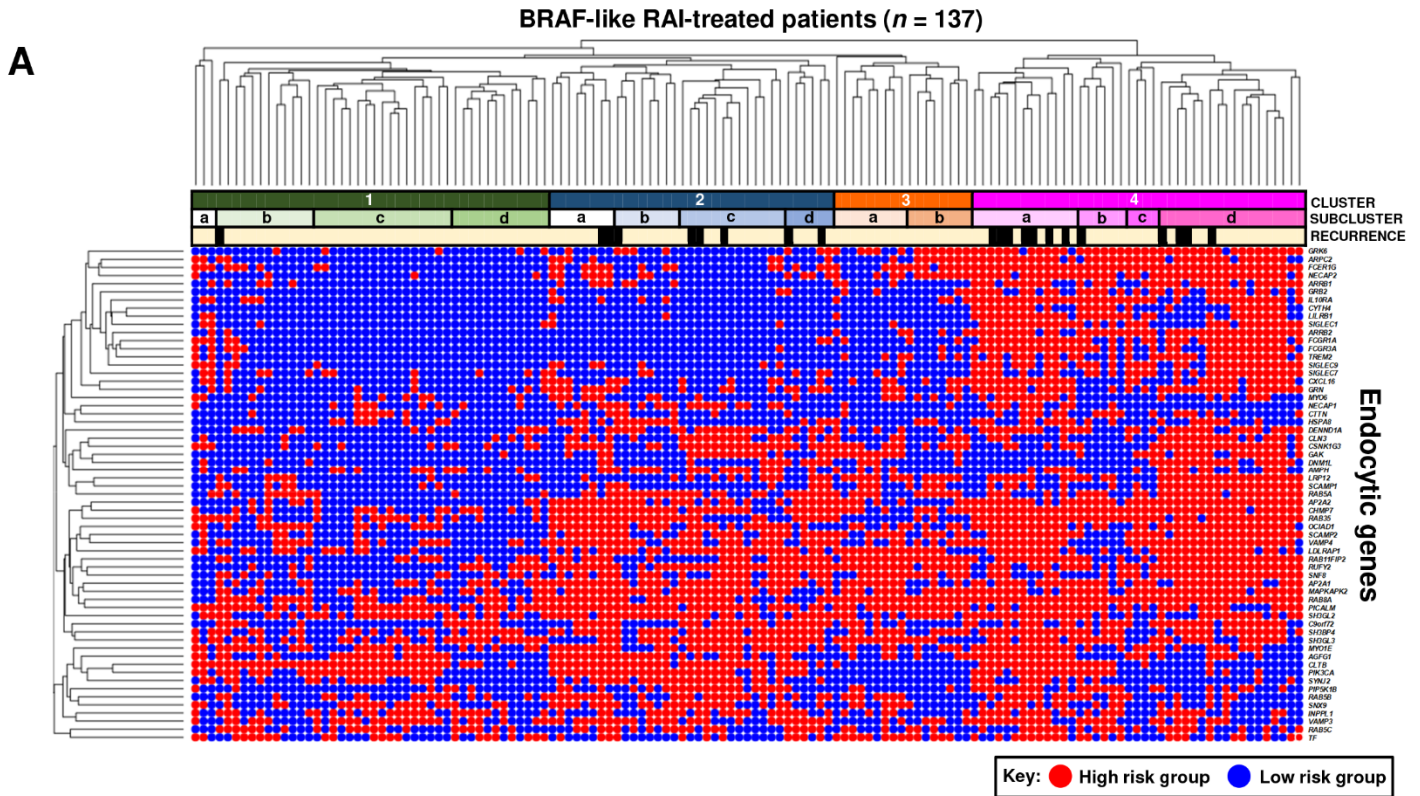


Figure S8. Greater endocytic gene dysregulation and higher AP2 α expression in recurrent PTC. **A**, Hierarchical cluster analysis of the BRAF-like, RAI-treated THCA cohort ($n = 137$) based on endocytic genes ($n = 61$) stratified into high and low risk expression groups. ROC analysis was used to determine optimal expression cut-off values for stratifying patients into high and low risk groups. Patients were divided into 4 major clusters (1 to 4) and 14 subclusters (1a to 4d). Patients with recurrent disease are indicated (black squares). **B**, Box and whisker plots showing expression (\log_2) of *AP2A1* (left) and *AP2A2* (right) in the BRAF-like, RAI-treated THCA cohort stratified into patient clusters 1 to 4 vs normal. Data presented as mean \pm S.E.M., one-way ANOVA followed by Kruskal-Wallis test (ns, not significant; * $P < 0.05$; ** $P < 0.01$; *** $P < 0.001$). **C**, Pie charts showing the ATA risk stratification characteristics of BRAF-like, RAI-treated patients subdivided into 4 clusters. Rec- number of recurrences. **D**, Same as **C** but showing disease staging characteristics as indicated. P-values derived using Chi-Squared test and adjusted using the Benjamini-Hochberg FDR correction procedure.