



**Supplemental Fig. S5.** Fibroblast and immune cell infiltration in *BRAF*-like papillary thyroid carcinomas and *RAS*-like papillary thyroid carcinomas estimated by (A) xCell and (B) ESTIMATE. ETE, extrathyroidal extension; LNM, lymph node metastasis; TNM, tumor-node-metastasis; MACIS, metastasis-age-completeness of resection-invasion-size; NS, not significant ( $P \geq 0.05$ ). <sup>a</sup> $P < 0.05$ ; <sup>b</sup> $P < 0.01$ .