Supplementary Methods:

Immunohistochemistry Scoring:
The intensity of expression was graded on a scale of 0 to 3 (0: no staining, 1+: weakly positive, 2+: moderately positive, 3+: strongly positive). The percentage of cells stained in a given section was graded on a scale of 1-4 (1: <25%; 2: 26%-50%; 3: 51%-75%; 4: 76%-100%). The overall staining was then represented by a composite score (product of the intensity and percentage scores, ranging from 0-12).

Pathological Scoring for Tumor Fibrosis and Tumor Dropout:
1+ minimal fibrosis, fibrous tissue is thin strands throughout tumor; 2+ moderate fibrosis, more tumor than fibrosis, focal areas with thicker fibrous bands; 3+ extensive fibrosis, focal areas with more fibrous tissue than tumor, sheets of fibrosis; 4+ all fibrosis, no residual tumor. Tumor dropout was measured with the following criteria: 0 - >90% tumor back to back (minimal dropout, densely spaced); 1 – 50-90% tumor nests back to back (mild dropout); 2 - 10-49% tumor nests back to back (moderate dropout); 3 - < 10% tumor nests back to back (marked dropout, hypodense); 4 - no residual tumor.