



**Supplementary Fig. S2.** Representative histologic pictures of gastric carcinomas harboring p-BRCA mutation plus LOH. (A) This tumor shows an expansile tumor border and central necrosis. (B) Peritumoral Crohn-like lymphoid aggregates are observed in deep submucosa. (C) Solid and partly cribriform pattern is seen. (D) Papillary architecture is demonstrated. p-BRCA, pathogenic or likely pathogenic mutations involving *BRCA1* or *BRCA2*; LOH, loss of heterozygosity.