1) Analysis of mRNA expression of enzymes related to nucleic acid metabolism, folic acid metabolism, and tumor progression
   - TS (thymidylate synthase)
   - DPD (dihydropyrimidine dehydrogenase)
   - TP (thymidine phosphorylase)
   - OPRT (otate phosphoribosyl transferase)
   - FPGS (folylpolyglutamate synthetase)
   - VEGF (vascular endothelial growth factor)
   - COX-2 (cyclooxygenase-2)

2) Analysis of microsatellite instability (MSI) and chromosomal instability (i.e., 18qLOH)

3) Evaluation of histopathological factors in HE-stained specimens
   - tumor budding
   - extent of the poorly differentiated component
   - Crohn’s-like lymphoid reaction
   - fibrotic cancer stroma etc.