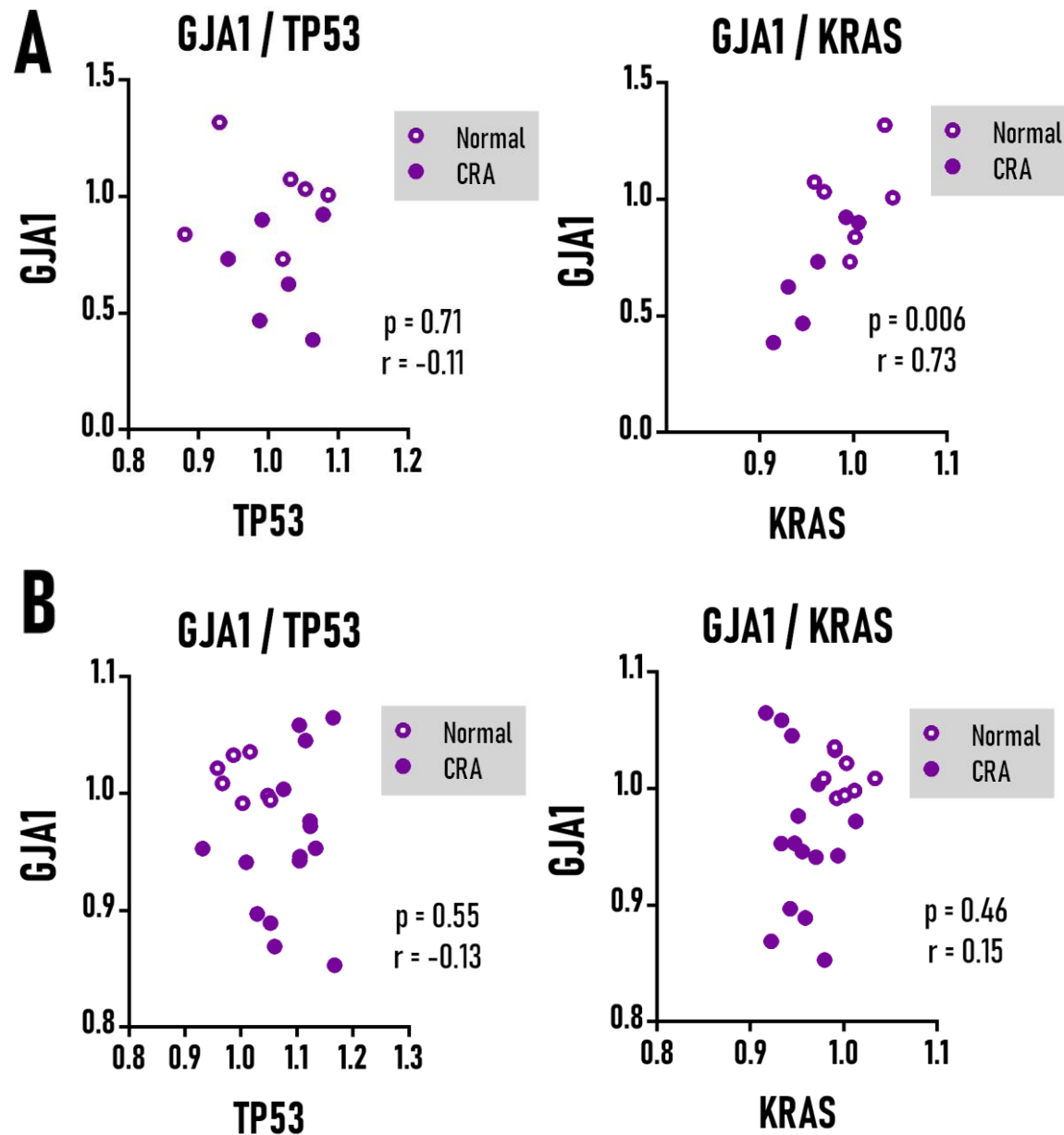
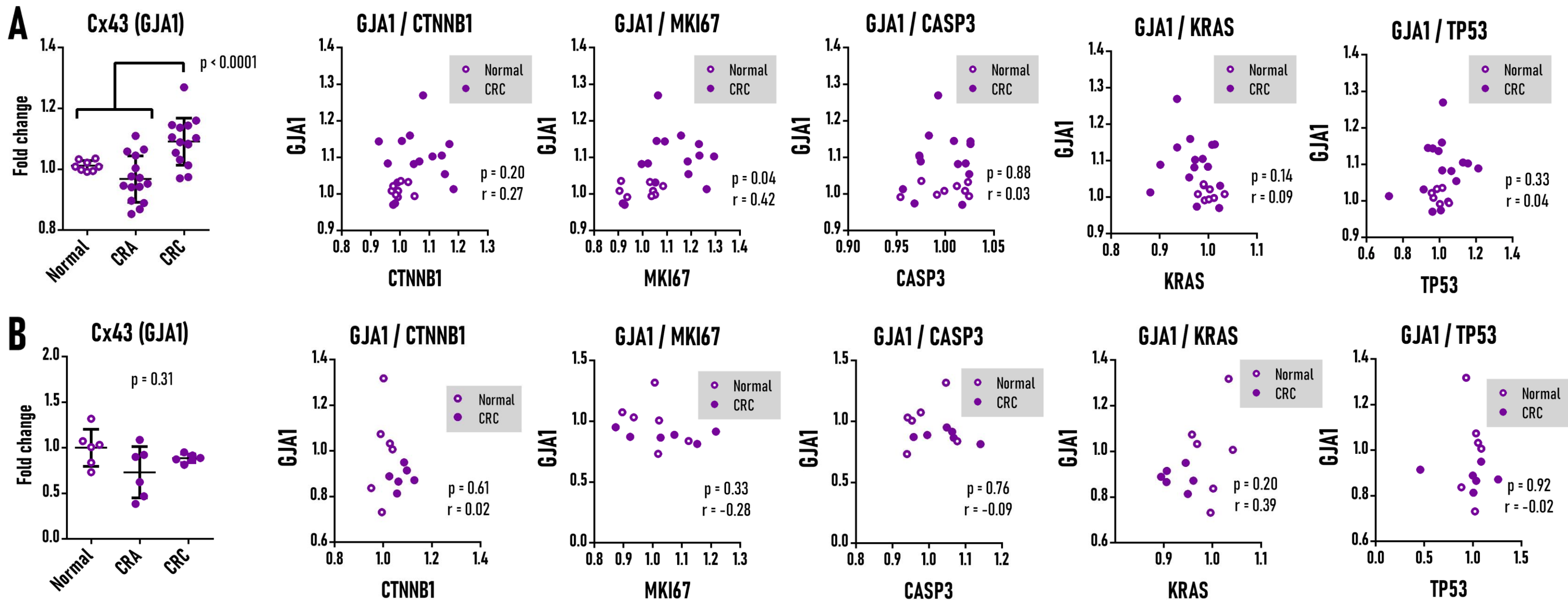


Supplementary Figure S1. Representative agarose gel electrophoresis showing results of PCR genotyping for wild-type (WT) or Connexin 43 heterozygous (Cx43^{+/-}) mouse. Lane M: Marker; Lanes 1-4: Cx43^{+/-} mice, showing a normal allele at ~600 base pairs (bp), and mutant allele at ~320 base pairs (bp); Lanes 5-8: WT mice, showing both alleles at 600 bp.



Supplementary Figure S2. *In silico* analysis of the correlation of Cx43 gene (GJA1) with Kras (KRAS), and p53 (TP53) mRNA levels in human (A) laser microdissected or (B) whole biopsy samples of normal mucosa/colon, and colorectal adenoma (CRA). A: human normal mucosa, CRA (n=6 for each class); B: normal colon (n=8), CRA (n=15) samples. Data are presented as mean \pm standard deviation and datapoints. Data were analyzed one-way ANOVA and *post hoc* Tukey test or Pearson's correlation test ($p < 0.05$).



Supplementary Figure S3. *In silico* analysis of Cx43 gene (GJA1) and its correlation with β -catenin (CTNNB1), Ki-67 (MKI67), caspase-3 (CASP3), Kras (KRAS), and p53 (TP53) mRNA levels in human (A) laser microdissected or (B) whole biopsy samples of normal mucosa/colon, colorectal adenoma (CRA), and colorectal carcinoma (CRC). A: human normal mucosa, CRA and CRC samples (n=6 for each class); B: normal colon (n=8), CRA or CRC (n=15) samples. Data are presented as mean \pm standard deviation and datapoints. Data were analyzed one-way ANOVA and *post hoc* Tukey test or Pearson's correlation test ($p < 0.05$).