

**Figure S3. Sequence analysis using GenePy scores**

*A) Crohn’s disease (CD)- No association between plasma periostin levels and combined GenePy scores across 24 selected genes B) Ulcerative colitis (UC)- No association between plasma periostin levels and combined GenePy scores C) CD- No significant differences in GenePy scores in the surgical and non-surgical groups and D) UC- No significant differences in GenePy scores in the surgical and non-surgical groups.*