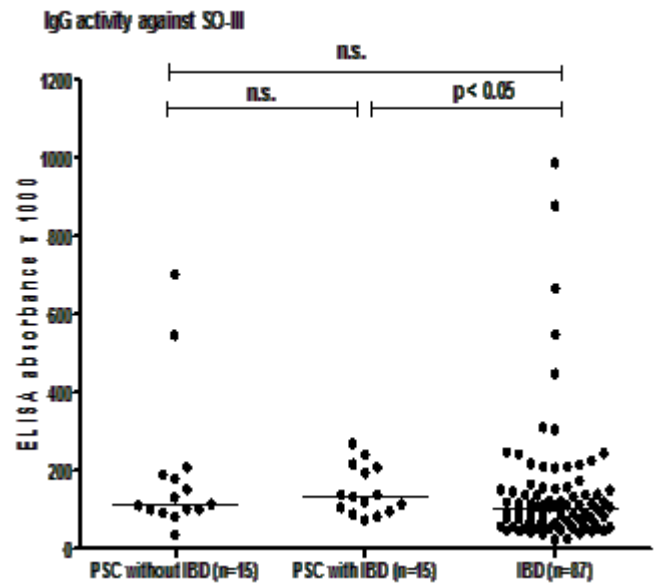
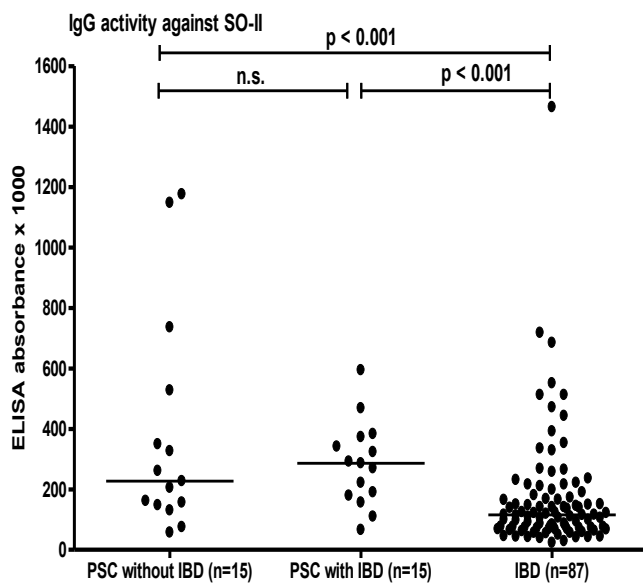
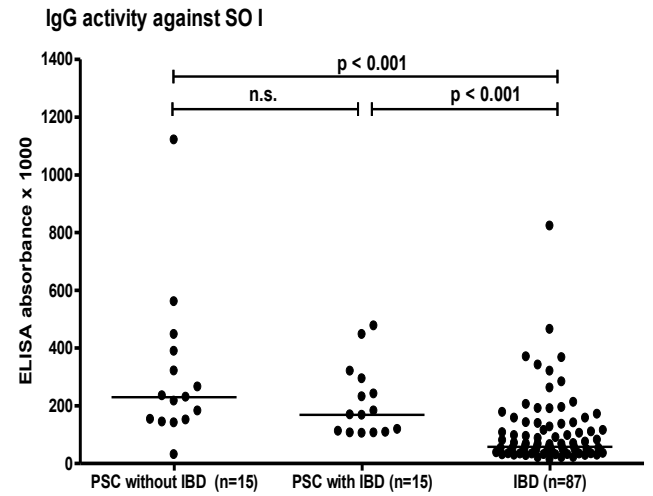
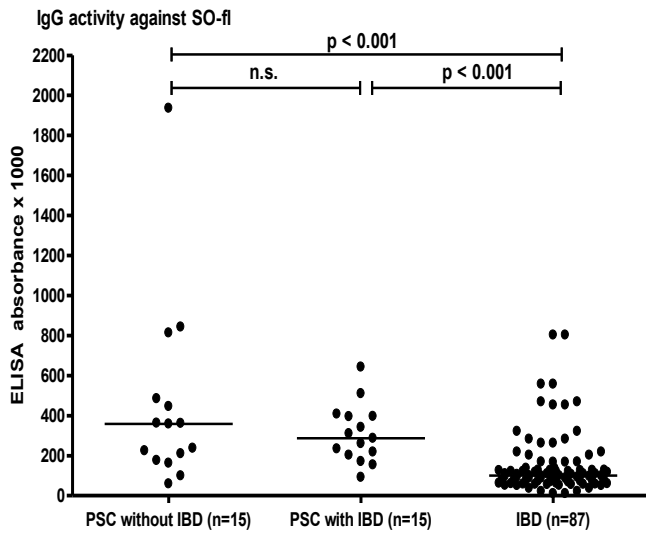


Additional file 5



Activity of IgG-antibodies against the four SO-proteins in sera from untreated PSC-patients without and with IBD as well as in patients with pure IBD as determined by ELISA. Individual values (●) and median (—) are given. $p < 0.05$ (with post-hoc tests Tukey and Bonferroni).