

Cholangiocyte senescence in primary sclerosing cholangitis is associated with disease severity and prognosis

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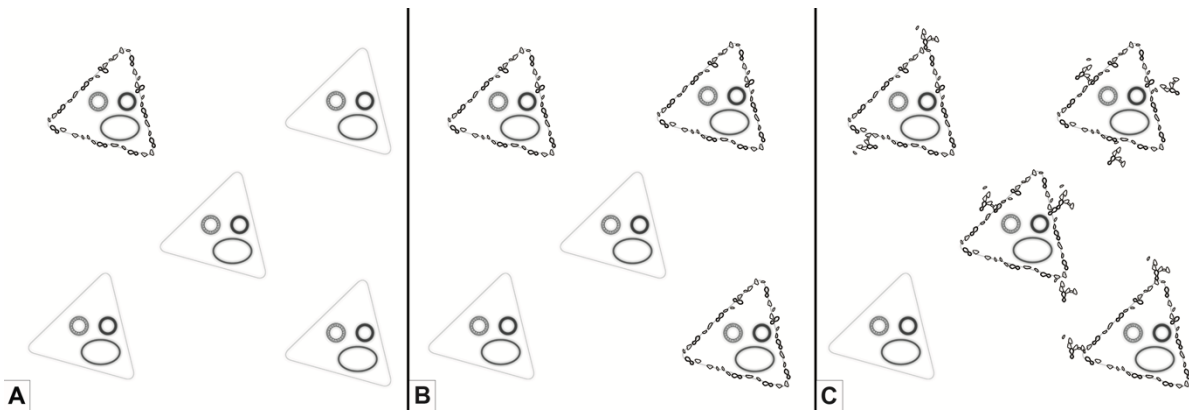


Fig. S1. Schematic representation of DR extent. In every case, DR extent was semi-quantitatively scored as negative (not represented), score 1: DR in <50% of PTs (**A**), score 2: DR in \geq 50% of PTs (**B**), score 3: DR in \geq 50% of PTs plus ductular buds into the acinar parenchyma (**C**).

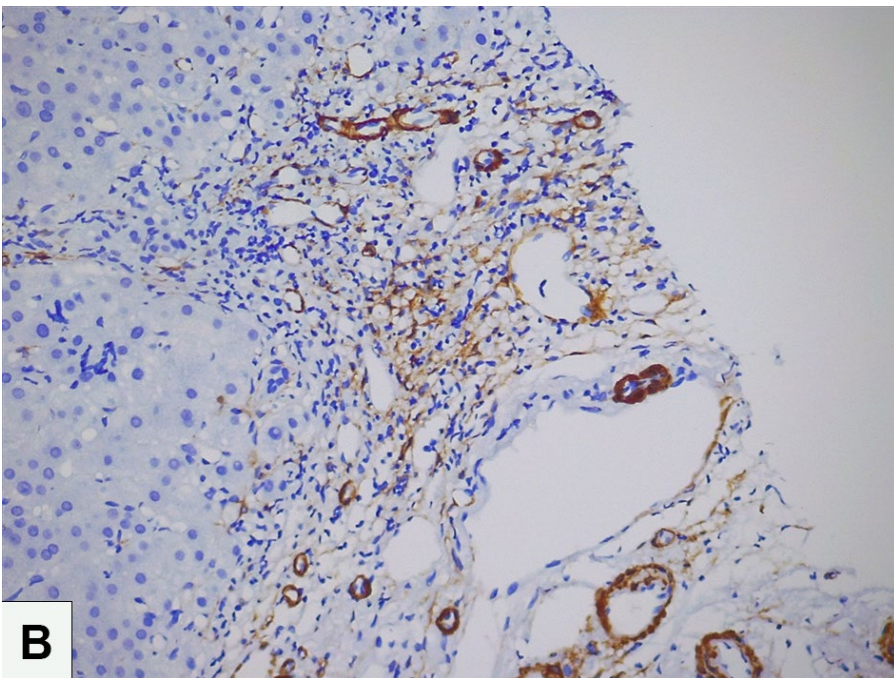
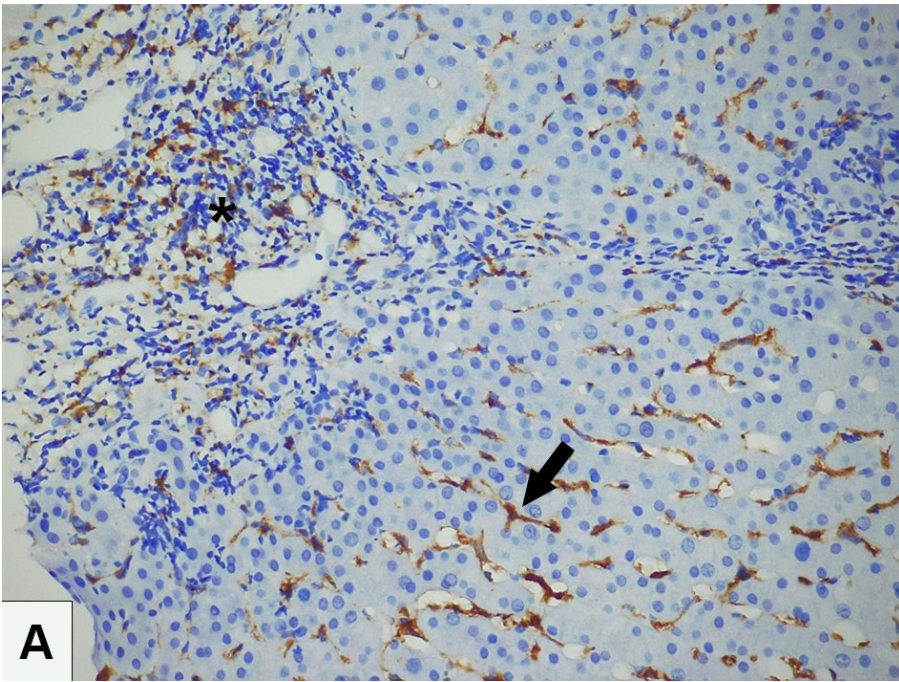


Fig. S2. Immunohistochemical evaluation of macrophage and myofibroblast infiltration in PTs of PSC cases. Examples of score 2 stains for the macrophage marker CD163 (**A**; original magnification 20x) and the myofibroblast marker SMA (**B**; original magnification 20x). In panel A, note the numerous portal macrophages (asterisk) and the adjacent internal positive control represented by Kupffer cells in the sinusoids (arrow).

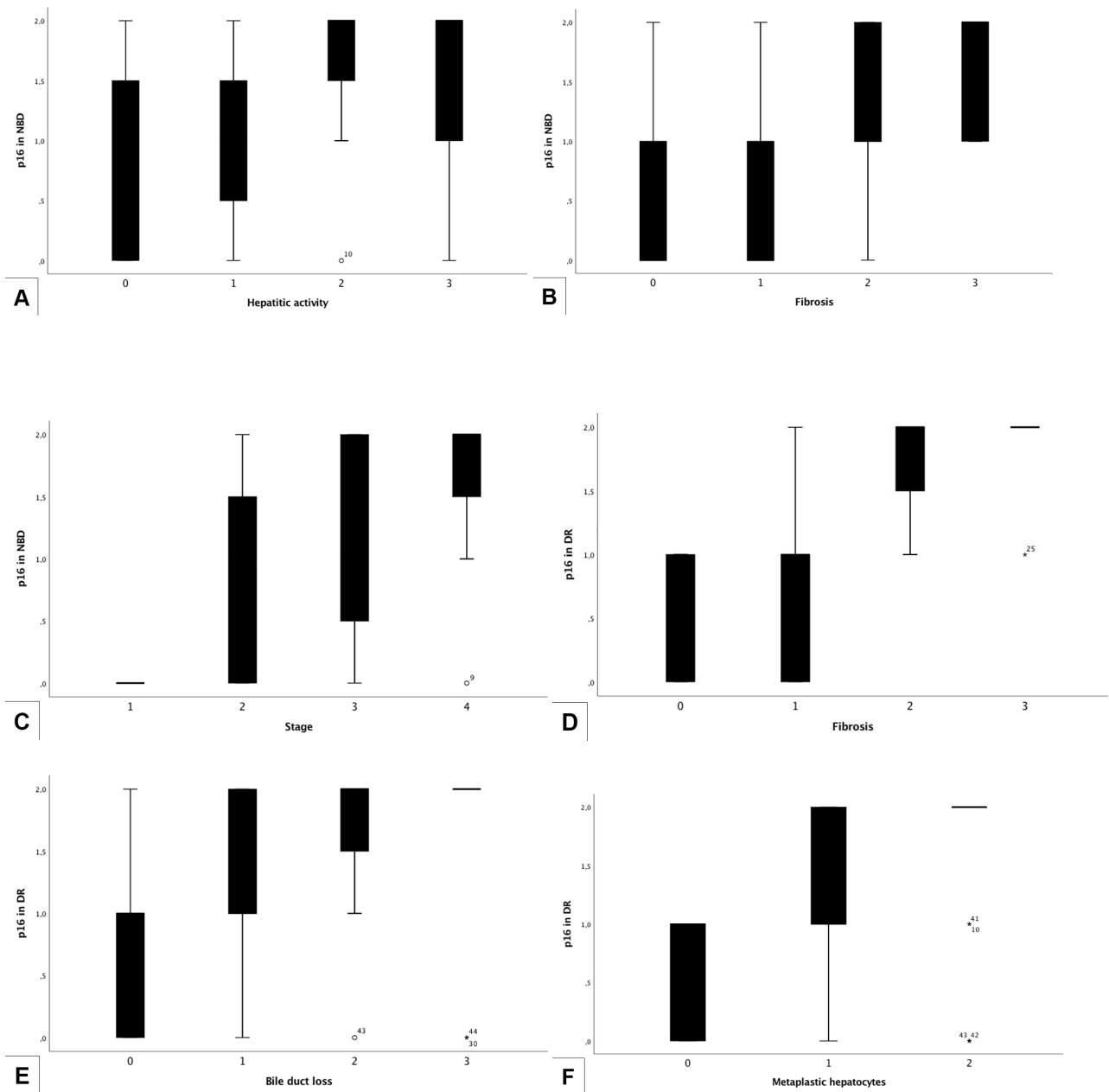


Fig. S3. Box plots showing the most significant associations between p16 expression in NBD and DR and histological features. Abbreviations: NBD, native bile duct; DR, ductular reaction.

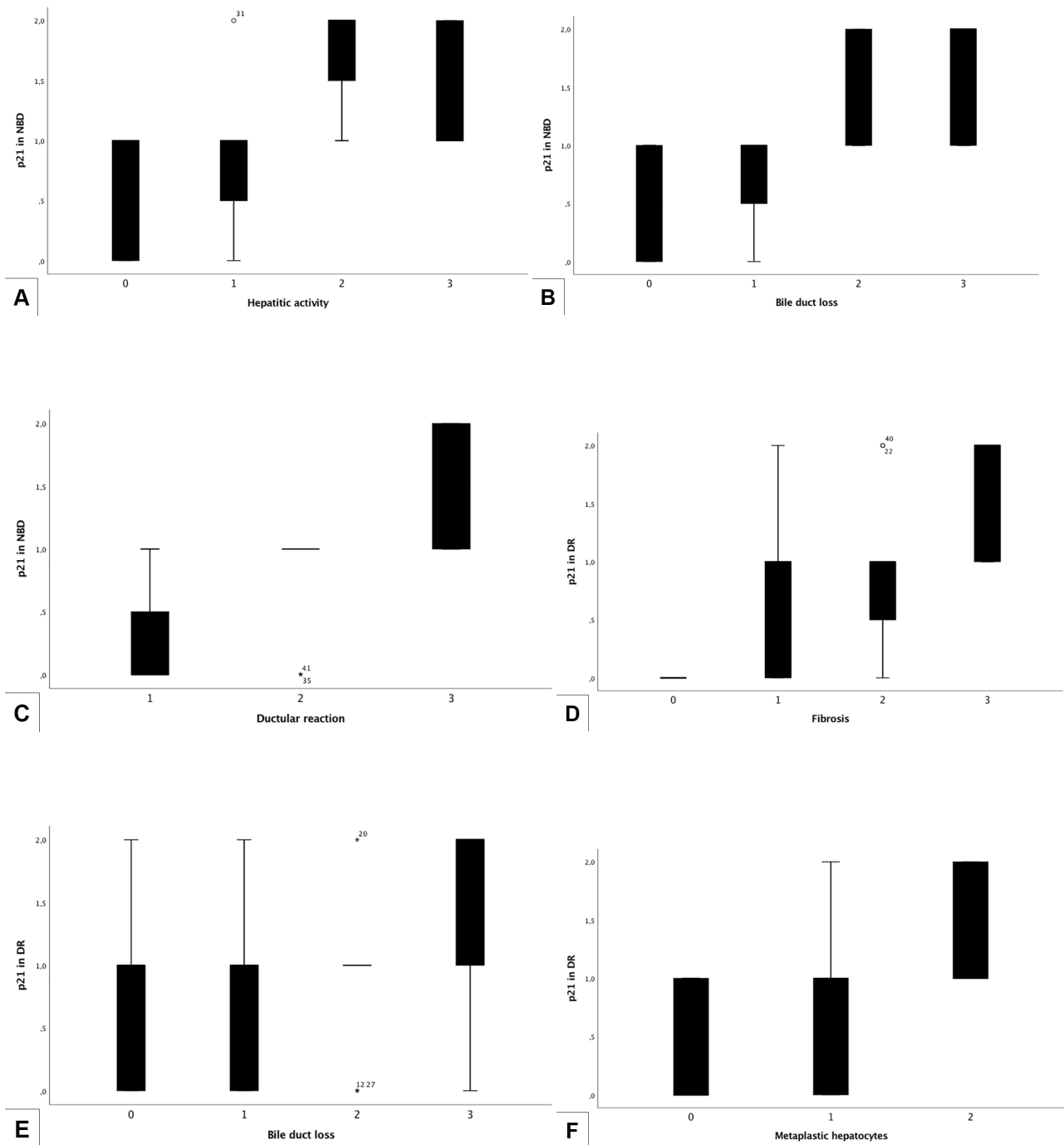


Fig. S4. Box plots showing the most significant associations between p21 expression in NBD and DR and histological features. Abbreviations: NBD, native bile duct; DR, ductular reaction.