– Supplementary Information –

Genetic alterations analysis in prognostic stratified groups identified *TP53* and *ARID1A* as poor clinical performance markers in intrahepatic cholangiocarcinoma

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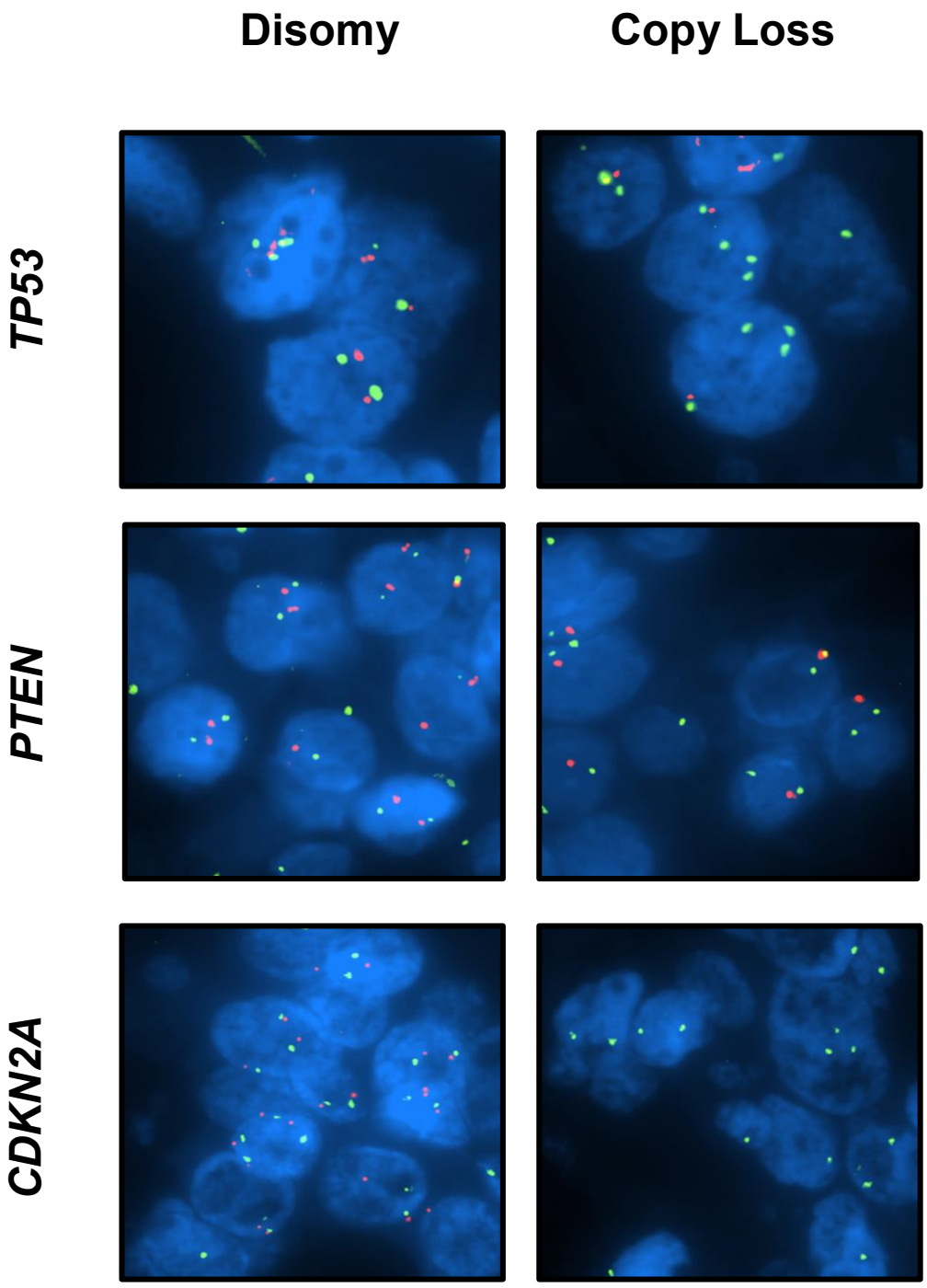
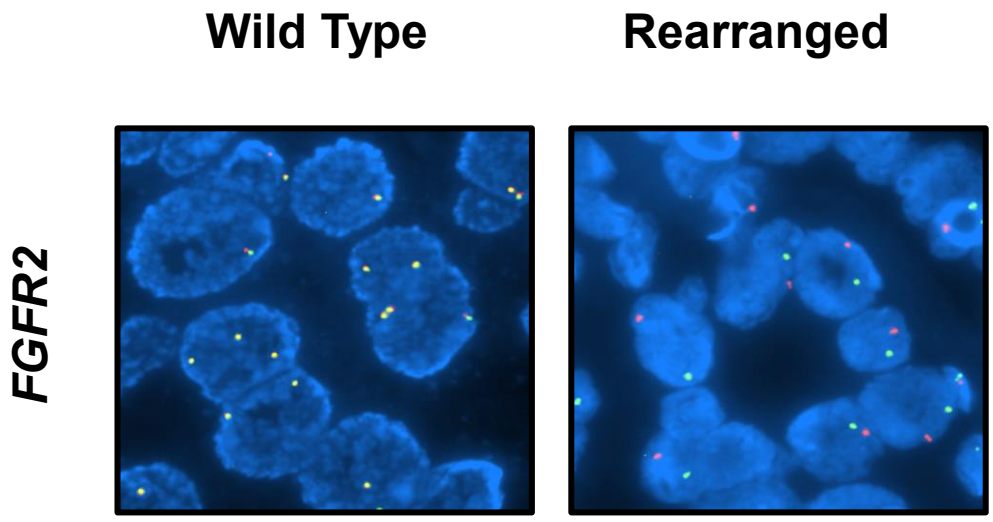
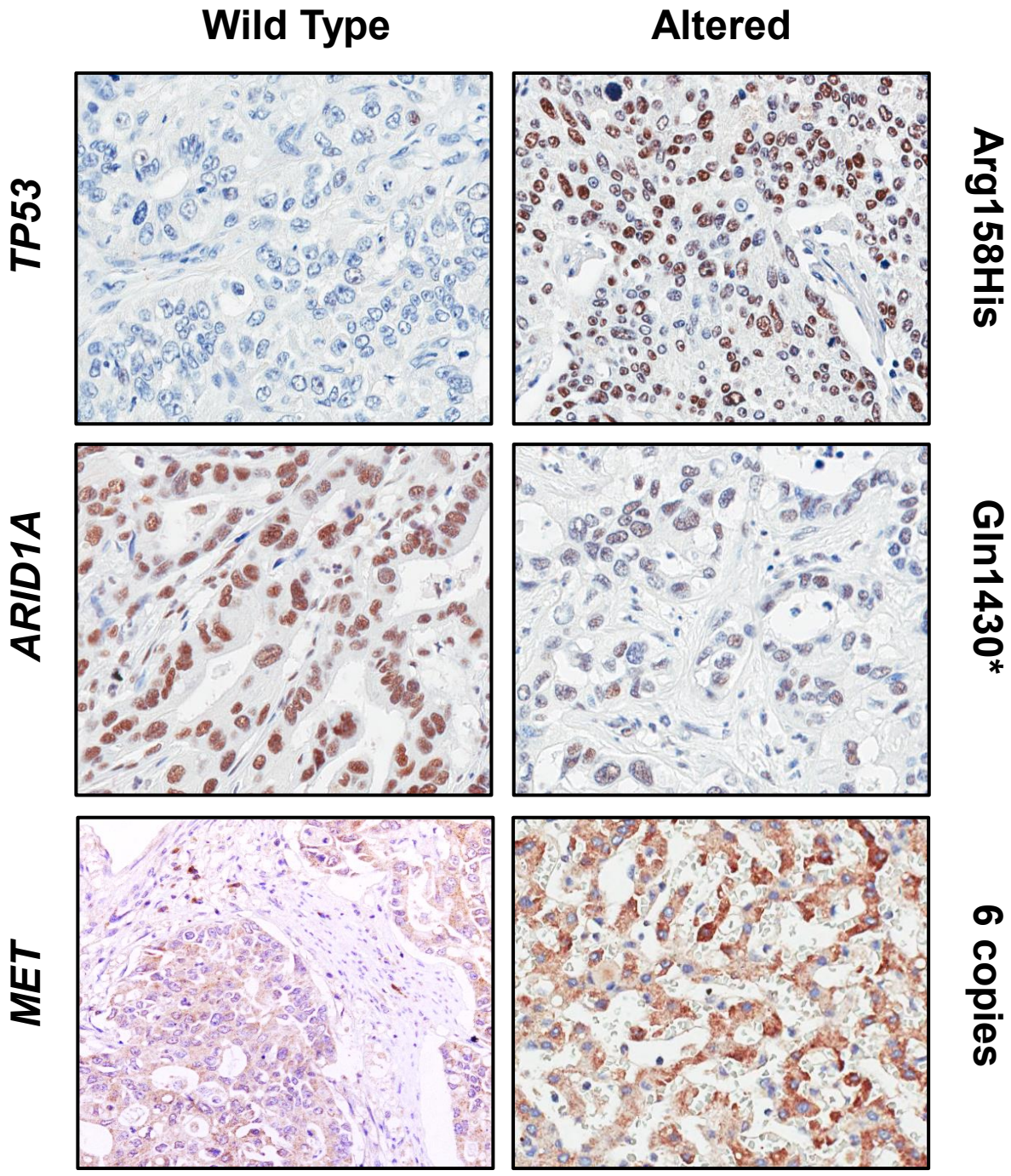
Supplementary Figures: 3



Supplementary Figure S1: FISH validation of copy number variations. Representative cases affected by loss of one or both gene copies of **A)** *TP53*, **B)** *PTEN* and **C)** *CDKN2A* are illustrated and compared to cases showing disomy for the same target.



Supplementary Figure S2: Representative image of *FGFR2* rearrangement. Representative images of a wild-type (left) intrahepatic cholangiocarcinoma with Intact FISH probes (yellow colour), and of the rearranged (right) case with split FISH probes (red/green colours).



Supplementary Figure S3: Immunohistochemical analysis. Representative cases with no alteration in genes evaluated on the left while three cases characterized by alterations (mutation of *TP53* and *ARID1A* and copy gain of *MET*) on the right. The specific alteration affecting each case is reported on the right.