



Supplementary Figure S7: Quantification of CK19⁺ area/portal tract and determination of the most remote CK 19⁺ cell cluster/cell from center of portal vein. To objectify the observation, that Clodronate treatment during DDC food administration results in a more confined localization of the CK19⁺ positive ductular proliferates to the corresponding portal vein, the following measurement algorithm has been developed: Utilizing Zeiss Axio Vision Rel. 4.8 software, the distance between the center of the portal vein and the corresponding most remote CK19⁺ positive cell of a ductular proliferation (max. PV to CK19⁺ cell dist.) (porto-ductular distance) within a portal tract was measured. To normalize the measured porto-ductular distance to the diameter of the corresponding portal vein, the calculated radius $r = [(mean D1; D2)/2]$ was subtracted from the measured total distance. Preferentially portal tracts with almost circular lumen PV were selected, longitudinally or tangentially cut PV were excluded from evaluation. A minimum of 5 Portal tracts per animal was evaluated.