## **Supplementary**

Table S1 ICC type consistency values

Group	ICC-H&E	CI	ICC-TTF-1	CI
ØdPat vs. conv	0.89	0.82-0.94	0.96	0.93-0.97
ØdPat vs. BP	0.88	0.80-0.93	0.95	0.91-0.97
ØdPat vs. PT	0.87	0.78-0.92	0.94	0.90-0.97
ØdPat vs. NP	0.89	0.81-0.93	0.95	0.92-0.97

Disregarding systematic errors for the comparison of average digital pathology (ØdPat) to the average different conventional estimator groups for H&E and TTF-1 stainings. ICC, intra-class correlation coefficients; H&E, hematoxylin-eosin; TTF-1, thyroid transcription factor 1; BP, board-certified pathologist; PT, pathologist in training; NP, non-pathologist.

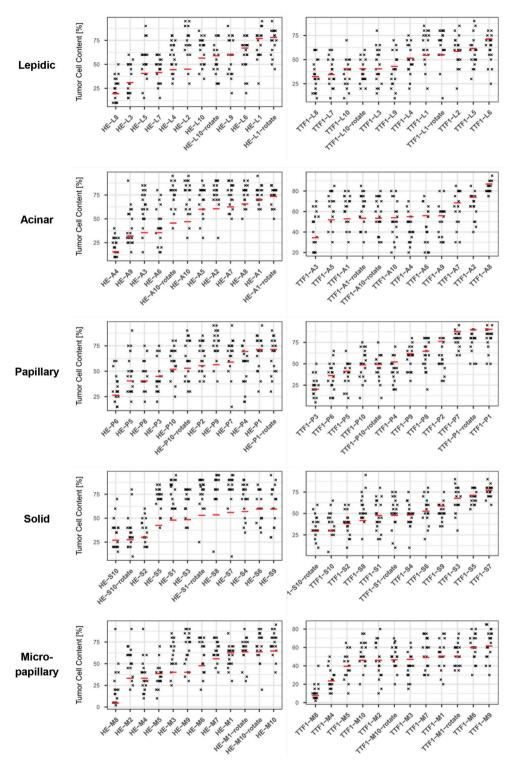


Figure S1 TCC estimations with regard to the histological growth pattern; x = conv TCC estimates; red line  $\emptyset$ dPat. TCC, tumor cell content.