Supplementary Table 5. Subgroup Analysis (for 18 Tumors among Randomly Chosen 30 Tumors), Excluding Tumors with Ill-Defined Margins: Interobserver and Intraobserver Reproducibility of Texture Analysis Results of Eighteen Intrahepatic Mass-Forming Cholangiocarcinomas

Segmentation Method	Interobserver	Interobserver	Intraobserver 1	Intraobserver 2
	(Semi-Automatic)	(Fully Automatic)		
Volume	0.999 (0.995–1.000)	0.987 (0.964–0.995)	0.990 (0.974–0.996)	0.993 (0.982–0.998)
Diameter	0.967 (0.914–0.988)	0.923 (0.797-0.971)	0.953 (0.874–0.982)	0.957 (0.887–0.984)
First-order				
Mean	0.986 (0.960–0.995)	0.965 (0.906–0.987)	0.971 (0.923–0.989)	0.975 (0.823–0.993)
Variance	0.978 (0.943–0.992)	0.899 (0.727–0.962)	0.888 (0.701–0.958)	0.894 (0.710-0.961)
Energy	0.999 (0.997–1.000)	0.961 (0.894–0.986)	0.961 (0.898-0.985)	0.990 (0.974–0.996)
Entropy	0.958 (0.890–0.984)	0.924 (0.796–0.972)	0.947 (0.852–0.981)	0.919 (0.742–0.971)
Skewness	0.981 (0.950–0.993)	0.556 (-0.178-0.833)	0.408 (-0.679–0.783)	0.667 (0.122-0.875)
Kurtosis	0.969 (0.917–0.988)	0.091 (-1.461-0.661)	0.182 (-1.357–0.702)	0.614 (-0.039–0.856)
Uniformity	0.937 (0.832–0.976)	0.911 (0.763–0.967)	0.943 (0.831-0.979)	0.884 (0.625–0.959)
Second-order				
GLCM IDM	0.997 (0.993–0.999)	0.987 (0.965–0.995)	0.988 (0.966-0.995)	0.986 (0.964–0.995)
GLCM contrast	0.996 (0.990–0.999)	0.976 (0.936–0.991)	0.974 (0.928–0.990)	0.993 (0.980–0.997)
GLCM correlation	0.903 (0.746-0.963)	0.805 (0.479–0.927)	0.818 (0.372–0.938)	0.671 (0.107-0.878)
GLCM sum average	0.875 (0.669–0.953)	0.501 (-0.329–0.813)	0.257 (-1.120–0.729)	0.780 (0.432–0.917)
GLCM diff average	0.997 (0.992–0.999)	0.985 (0.961–0.994)	0.986 (0.960-0.995)	0.995 (0.986–0.998)
GLCM sum entropy	0.952 (0.872–0.982)	0.919 (0.784–0.970)	0.937 (0.812–0.978)	0.902 (0.666–0.967)
GLCM diff entropy	0.997 (0.992–0.999)	0.976 (0.938–0.991)	0.975 (0.929-0.991)	0.993 (0.980-0.997)
Shape				
Compactness1	0.223 (-0.413-0.647)	0.677 (0.110-0.881)	0.493 (-0.336-0.809)	0.147 (-0.489-0.602)
Compactness2	0.240 (-0.393–0.657)	0.668 (0.085–0.877)	0.421 (-0.545–0.783)	0.199 (-0.441-0.634)
Elongation	0.462 (-0.462-0.800)	0.905 (0.752–0.964)	0.563 (-0.219-0.839)	0.590 (-0.142-0.849)
Flatness	0.916 (0.779–0.968)	0.945 (0.855–0.980)	0.690 (0.184–0.884)	0.675 (0.164–0.877)
Sphericity	0.215 (-0.424-0.643)	0.681 (0.121-0.882)	0.517 (-0.265-0.818)	0.130 (-0.509-0.592)

Data are intraclass correlation coefficient values with 95% confidence interval in parentheses. Interobserver agreement of semi-automatic segmentation or fully-automatic segmentation was calculated between radiologist 1 and radiologist 2. Intraobserver 1 was calculated between semi-automatic and fully-automatic segmentation by radiologist 1. Intraobserver 2 was calculated between semi-automatic and fully-automatic segmentation by radiologist 2. diff = difference, GLCM = Gray-Level Co-occurrence Matrix, IDM = inverse difference moment