

Supplementary table 1:

<b>Patients</b>	19
<b>Origin</b>	
ECC	10
ICC	4
GBC	5
<b>Sex</b>	
M	14
F	5
<b>Age</b>	
≤ 60	7
> 60	12
<b>Grade</b>	
G1	1
G2	7
G3	11
<b>T staging*</b>	
T2	3
T3	3
T4	12
<b>N staging *</b>	
N0	10
N1	8
<b>M staging</b>	
M0	18
M1	1

ECC: extrahepatic cholangiocarcinoma, ICC: intrahepatic cholangiocarcinoma, GBC: gallbladder carcinoma. \* One sample is not characterized for T and N staging