

Supplementary Table 2: Relationship between the immunohistochemical tumor types and anatomically-based diagnoses (n = 409), according to the results of hierarchical cluster analysis.

Immunohistochemical types	Anatomical diagnoses						
	Ampullary carcinoma (n = 24)	Ductal pancreatic adenocarcinoma (n = 139)	Distal bile duct cancer (n = 7)	Intrahepatic cholangiocarcinoma (n = 97)	Gallbladder cancer (n = 37)	Perihilar cholangiocarcinoma (n = 27)	Hepatocellular carcinoma (n = 78)
Extrahepatic pancreatobiliary (n = 199)	14	116	5	23	14	27	0
Intestinal (n = 24)	7	8	1	4	1	3	0
Intrahepatic cholangiocarcinoma (n = 82)	1	9	1	3	9	56	3
Hepatocellular carcinoma (n = 68)	0	0	0	1	0	0	67
Unclassified (n = 36)	2	6	0	6	3	11	8