

**Supplemental Table S3: Patient characteristics from PDX cohort**

PDX number	Age (Dx)	Gender	Intra-/Extra-Hepatic	Tumor size	TNM stage			Lung mets	Overall stage	Grade	Histology	Differentiation
42	36	male	ICC	3.4	TX	NX	M1	no	IV	G3	Adenocarcinoma	poorly differentiated
55	60	male	ICC	3.3	pT1	NX	M0	no	I	G2	Adenocarcinoma	moderately differentiated
80	48	male	ICC	N/A	TX	NX	M1	no	IV	N/A	Adenocarcinoma	N/A
81	30	female	ICC	N/A	TX	NX	M0	no	IV	N/A	Adenocarcinoma	N/A
103	61	female	ICC	6	pT3	pN1	M0	no	IIIB	G1	Adenocarcinoma	well differentiated
115	58	male	ICC	N/A	M1	NX	M1	yes	IV	N/A	Adenocarcinoma	N/A
116	69	male	ICC	5.6	pT3	pN1	M0	no	IIIB	G2	Adenocarcinoma	moderately differentiated
135	34	male	ICC	N/A	TX	NX	M0	no	IV	N/A	Adenocarcinoma	N/A
142	79	male	ICC	3.2	pT1	pN0	M0	no	I	N/A	Adenocarcinoma	moderately differentiated
148	56	female	ICC	10	pT1	pN1	M0	no	IIIB	G3	Adenocarcinoma	poorly differentiated
165	65	male	ICC	8.3	pT1	pN0	M0	no	I	G2	Adenocarcinoma	moderately differentiated
169	77	female	ICC	7	pT2b	pN0	M0	no	I / II	G3	Adenocarcinoma	poorly differentiated
179	66	male	ICC	N/A	cT4	NX	M0	no	IIIB	N/A	Adenocarcinoma	N/A
186	68	male	ICC	4.8	ypT1	ypN0	M0	no	I	G2	Adenocarcinoma	moderately differentiated
193	49	male	ICC	2	pT2b	pN0	M0	no	II	G2	Adenocarcinoma	moderately differentiated
194	49	male	ICC	7.3	pT3	pN1	M0	no	IIIB	G2	Adenocarcinoma	moderately differentiated
231	70	female	ICC	3.8	pT1	pN0	M0	no	I	G3	Adenocarcinoma	poorly differentiated
261	65	male	ICC	3.1	ypT1	ypN0	M0	no	I	G2	Adenocarcinoma	moderately differentiated
276	57	female	ICC	5	ypT2b	ypN1	M1	no	IV	G3	Adenocarcinoma	poorly differentiated
305	72	female	ICC	5.2	ypT3	ypN0	M0	no	IIIA	G2	Adenocarcinoma	moderately differentiated
337	72	female	ICC	N/A	pT2	pN1	M0	no	IIIB	G2	Adenocarcinoma	moderately differentiated
338	72	female	ICC	N/A	pT2	pN1	M0	no	IIIB	G2	Adenocarcinoma	moderately differentiated