

Table S7. Relatedness assessment of co-occurring lesions using a categorical algorithm based on shared mutations.

Carcinoma - adj-IPMN					Carcinoma - dist-IPMN				adj-IPMN - dist-IPMN				Carcinoma/ IPMN
Patient ID	Shared mutations	Shared hotspot	Shared non-hotspot/ GNAS	Relatedness	Shared mutations	Shared hotspot	Shared non-hotspot/ GNAS	Relatedness	Shared mutations	Shared hotspot	Shared non-hotspot	Relatedness	Relatedness
IPP01	2	1	1	likely related	1	1	0	Indeterminate	1	1	0	Indeterminate	likely related
IPP02	2	1	1	likely related	1	1	0	Indeterminate	0	0	0	likely independent	likely related
IPP03	1	1	0	Indeterminate			NA				NA		Indeterminate
IPP04	3	1	2	likely related	0	0	0	likely independent	0	0	0	likely independent	likely related
IPP05			NA		0	0	0	likely independent			NA		likely independent
IPP06	2	1	1	likely related	0	0	0	likely independent	0	0	0	likely independent	likely related
IPP07	2	1	1	likely related	3	1	2	likely related	3	1	2	likely related	likely related
IPP08	3	1	2	likely related	1	1	0	Indeterminate	1	1	0	Indeterminate	likely related
IPP09	0	0	0	likely independent	0	0	0	likely independent	0	0	0	likely independent	likely independent
IPP10	3	2	1	likely related	1	1	0	Indeterminate	1	1	0	Indeterminate	likely related
IPP11			NA		1	1	0	Indeterminate			NA		Indeterminate
IPP12	1	1	0	Indeterminate	1	1	0	Indeterminate	0	0	0	likely independent	Indeterminate
IPP13	0	0	0	likely independent	0	0	0	likely independent	0	0	0	likely independent	likely independent
IPP14	3	1	2	likely related	3	1	2	likely related	3	1	2	likely related	likely related
IPP15	4	1	3	likely related	4	1	3	likely related	4	2	2	likely related	likely related
IPP16	0	0	0	likely independent	0	0	0	likely independent	2	2	0	likely related	likely independent
IPP17	1	1	0	Indeterminate	1	1	0	Indeterminate	1	1	0	Indeterminate	Indeterminate
IPP18	2	1	1	likely related	2	1	1	likely related	2	1	1	likely related	likely related
IPP19	2	1	1	likely related			NA				NA		likely related
IPP20	2	1	1	likely related	2	1	1	likely related	2	1	1	likely related	likely related
IPP21	2	0	2	likely related	0	0	0	likely independent	0	0	1	likely related	likely related
IPP22	5	1	4	likely related	3	0	3	likely related	3	1	2	likely related	likely related
IPP23	3	1	2	likely related	0	0	0	likely independent	0	0	0	likely independent	likely related
IPP24	0	0	0	likely independent			NA				NA		likely independent
IPP25	2	1	1	likely related	0	0	0	likely independent	0	0	0	likely independent	likely related
IPP26	0	0	0	likely independent	0	0	0	likely independent	2	2	0	likely related	likely independent
IPP27	2	1	1	likely related	2	1	1	likely related	3	2	1	likely related	likely related
IPP28	1	1	0	Indeterminate			NA				NA		Indeterminate
IPP29	1	1	0	Indeterminate	1	1	0	Indeterminate	1	1	0	Indeterminate	Indeterminate
IPP30	1	1	0	Indeterminate			NA				NA		Indeterminate
IPP31	2	1	1	likely related	2	1	1	likely related	1	1	0	Indeterminate	likely related
IPP32	2	1	1	likely related			NA				NA		likely related
IPP33	1	1	0	Indeterminate			NA				NA		Indeterminate
IPP34	1	1	0	Indeterminate			NA				NA		Indeterminate
IPP35	0	0	0	likely independent	0	0	0	likely independent	0	0	0	likely independent	likely independent
IPP36	0	0	0	likely independent	0	0	0	likely independent	0	0	0	likely independent	likely independent
IPP37			NA		1	1	0	Indeterminate			NA		Indeterminate
IPP38	1	1	0	Indeterminate	1	1	0	Indeterminate	1	1	0	Indeterminate	Indeterminate
IPP39	1	1	0	Indeterminate	1	1	0	Indeterminate	1	1	0	Indeterminate	Indeterminate
IPP40	2	0	2	likely related	2	0	2	likely related	2	0	2	likely related	likely related
IPP41	1	1	0	Indeterminate			NA				NA		Indeterminate
IPP42	1	1	0	Indeterminate			NA				NA		Indeterminate
IPP43	0	0	0	likely independent	1	1	0	likely independent	0	0	0	Indeterminate	likely independent
IPP44	1	1	0	Indeterminate	1	1	0	Indeterminate	1	1	0	Indeterminate	Indeterminate
IPP45	2	1	1	likely related			NA				NA		likely related
IPP46	2	1	1	likely related	0	0	0	likely independent	0	0	0	likely independent	likely related
IPP47	3	1	2	likely related			NA				NA		likely related
IPP48	1	1	0	Indeterminate	0	0	0	likely independent	2	2	0	likely related	Indeterminate
IPP49	3	1	2	likely related	3	1	2	likely related	1	1	0	Indeterminate	likely related
IPP50	1	0	1	likely related	1	0	1	likely related	2	1	1	likely related	likely related
IPP51	1	1	0	Indeterminate			NA				NA		Indeterminate
IPP52	1	1	0	Indeterminate	1	1	0	Indeterminate	1	1	0	Indeterminate	Indeterminate
IPP53	0	0	0	likely independent			NA				NA		likely independent
IPP54	0	0	0	likely independent	0	0	0	likely independent	0	0	0	likely independent	likely independent
IPP55	1	1	0	Indeterminate	1	1	0	Indeterminate	1	1	0	Indeterminate	Indeterminate
IPP56	2	1	1	likely related	2	1	1	likely related	2	1	1	likely related	likely related

IPC01	2	2	0	likely related	2	2	0	likely related	2	2	0	likely related	likely related
IPC02			NA		1	0	1	likely related			NA		likely related
IPC03	3	1	2	likely related			NA				NA		likely related
IPC04	2	1	1	likely related			NA				NA		likely related
IPC05	1	0	1	likely related	1	0	1	likely related	1	1	0	Indeterminate	likely related
IPC06	2	1	1	likely related	2	1	1	likely related	2	1	1	likely related	likely related
IPC07	1	0	1	likely related			NA				NA		likely related
IPC08	1	0	1	likely related			NA				NA		likely related
IPC09	1	0	1	likely related	1	0	1	likely related	1	0	1	likely related	likely related
IPC10	1	0	1	likely related	1	0	1	likely related	2	2	0	likely related	likely related
IPC11	2	1	1	likely related	2	1	1	likely related	2	1	1	likely related	likely related
IPC12	2	1	1	likely related	2	1	1	likely related	3	2	1	likely related	likely related
IPC13			NA		1	0	1	likely related			NA		likely related
IPA01	0	0	0	likely independent			NA				NA		likely independent
IPA02	0	0	0	likely independent	0	0	0	likely independent	0	0	0	likely independent	likely independent
IPA03	0	0	0	likely independent	0	0	0	likely independent	0	0	0	likely independent	likely independent
IPA04			NA		1	1	0	Indeterminate			NA		Indeterminate
IPA05	0	0	0	likely independent			NA				NA		likely independent
IPA06	0	0	0	likely independent	1	1	0	Indeterminate	0	0	0	likely independent	Indeterminate
IPA07	0	0	0	likely independent	0	0	0	likely independent	0	0	0	likely independent	likely independent

adj-/dist-IPMN - adjacent/distant IPMN

N/A - Sample not available