

Table S5. Probability of relatedness of carcinomas and co-occurring IPMNs using an unbiased statistical model.

Patient ID	Carcinoma / adj-IPMN		Carcinoma / dist-IPMN		adj-IPMN / dist-IPMN		Average probability value*	
	categorical relatedness	statistical relatedness	categorical relatedness	statistical relatedness	categorical relatedness	statistical relatedness		
IPP01	likely related	0.000062	Indeterminate	0.0403	Indeterminate	0.0407	Likely related	0.0017
IPP02	likely related	0.00608	Indeterminate	0.0314	likely independent	0.9	Indeterminate	0.049
IPP03	Indeterminate	0.0084		NA		NA	likely independent	0.9
IPP04	likely related	0.000302	likely independent	0.9	likely independent	0.9		
IPP05	NA		likely independent	0.9		NA		
IPP06	likely related	0.000064	likely independent	0.9	likely independent	0		
IPP07	likely related	0.0000134	likely related	0.00028	likely related	0.0000002		
IPP08	likely related	0	Indeterminate	0.0403	Indeterminate	0.0407		
IPP09	likely independent	0.9	likely independent	0.9	likely independent	0.9		
IPP10	likely related	0.000549	Indeterminate	0.0403	Indeterminate	0.0407		
IPP11	NA		Indeterminate	0.0314		NA		
IPP12	Indeterminate	0.0403	Indeterminate	0.0403	likely independent	0.9		
IPP13	likely independent	0.9	likely independent	0.9	likely independent	0.9		
IPP14	likely related	0	likely related	0	likely related	0		
IPP15	likely related	0	likely related	0	likely related	0		
IPP16	likely independent	0.9	likely independent	0.9	likely related	0.000405		
IPP17	Indeterminate	0.0403	Indeterminate	0.0403	Indeterminate	0.0407		
IPP18	likely related	0.0000115	likely related	0.000012	likely related	0.0000119		
IPP19	likely related	0.0000043		NA		NA		
IPP20	likely related	0.0000409	likely related	0.0000412	likely related	0.000014		
IPP21	likely related	0.000182	likely independent	0.9	likely related	0.000736		
IPP22	likely related	0	likely related	0.00607	likely related	0.00679		
IPP23	likely related	0.0313	likely independent	0.9	likely independent	0.9		
IPP24	likely independent	0.9		NA		NA		
IPP25	likely related	0	likely independent	0.9	likely independent	0.9		
IPP26	likely independent	0.9	likely independent	0.9	likely related	0.00679		
IPP27	likely related	0.000302	likely related	0.00031	likely related	0.0000001		
IPP28	Indeterminate	0.0403		NA		NA		
IPP29	Indeterminate	0.0084	Indeterminate	0.00837	Indeterminate	0.00779		
IPP30	Indeterminate	0.0313		NA		NA		
IPP31	likely related	0.00837	likely related	0.00837	Indeterminate	0.00589		
IPP32	likely related	0.0000002		NA		NA		
IPP33	Indeterminate	0.0403		NA		NA		
IPP34	Indeterminate	0.0084		NA		NA		
IPP35	likely independent	0.9	likely independent	0.9	likely independent	0.9		
IPP36	likely independent	0.9	likely independent	0.9	likely independent	0.9		
IPP37	NA		Indeterminate	0.00837		NA		
IPP38	Indeterminate	0.0403	Indeterminate	0.0403	Indeterminate	0.0407		
IPP39	Indeterminate	0.0313	Indeterminate	0.0314	Indeterminate	0.0228		
IPP40	likely related	0.0000001	likely related	0.0000001	likely related	0.0000001		
IPP41	Indeterminate	0.0403		NA		NA		
IPP42	Indeterminate	0.0403		NA		NA		
IPP43	likely independent	0.9	Likely independent	0.9	Indeterminate	0.0407		
IPP44	Indeterminate	0.00179	Indeterminate	0.0018	Indeterminate	0.00218		
IPP45	likely related	0.0000042		NA		NA		
IPP46	likely related	0.0000264	likely independent	0.9	likely independent	0.9		
IPP47	likely related	0		NA		NA		
IPP48	Indeterminate	0.0313	likely independent	0.9	likely related	0.000405		
IPP49	likely related	0.0084	likely related	0	Indeterminate	0.00779		
IPP50	likely related	0.00027	likely related	0.000274	likely related	0.0000305		
IPP51	Indeterminate	0.0403		NA		NA		
IPP52	Indeterminate	0.0403	Indeterminate	0.0403	Indeterminate	0.0407		
IPP53	likely independent	0.9		NA		NA		
IPP54	likely independent	0.9	likely independent	0.9	likely independent	0.9		
IPP55	Indeterminate	0.0313	Indeterminate	0.0314	Indeterminate	0.0228		
IPP56	likely related	0.0000107	likely related	0.0000114	likely related	0.0000148		

*see online supplementary methods