

Supplementary Files

Supplementary Method. Details of immunohistochemistry (IHC) and imaging of the SCLC patients.

Supplementary Table 1. The baseline characteristics of the George-SCLC cohort.

Supplementary Table 2. The baseline characteristics of the Jiang-SCLC cohort.

Supplementary Table 3. The clinical characteristics of the ICIs patients (Mariathasan et.al).

Supplementary Figure 1. The forest plot depicted the univariable and multivariable cox regression model in the ICIs-Melanoma cohort

Supplementary Methods

Immunohistochemistry (IHC)

Formalin-fixed paraffin-embedded (FFPE) tissues from small cell lung cancer (SCLC) were sectioned and collected onto glass slides. Antigen retrieval was performed in 10 mM sodium citrate (pH6.0) at 100 °C for 15 min. GBP5 was stained with PV-6000 immunohistochemistry (IHC) kit (ZSGB-BIO, China) according to the protocol of the manufacturer, with the GBP5 antibody (Catalog #: 67798) from Cell Signaling (United States). The images were collected with Slide Scanning System SQS-1000 (TEKSQRAY, China). Quantitation of the GBP5 signals was performed with ImageJ with IHC-Toolbox plugins.

Imaging

All SCLC patients from the first affiliated hospital of the Hengyang Medical school, University of South China underwent computed tomography (CT) at two time points, t1 and t2. The first one was performed at initial diagnosis (t1), and the second one after 6 cycles of combination of the etoposide-cisplatin (EP) and immune checkpoint inhibitors (durvaluma) (t2). The baseline and follow-up CT scans were both obtained at the same center.

Supplementary Table 1

	GBP5-High (N=40)	GBP5-Low (N=41)	Overall (N=81)
Gender			
Female	15 (37.5%)	6 (14.6%)	21 (25.9%)
Male	20 (50.0%)	30 (73.2%)	50 (61.7%)
Missing	5 (12.5%)	5 (12.2%)	10 (12.3%)
Ethnicity			
Asian	6 (15.0%)	2 (4.9%)	8 (9.9%)
Caucasian	12 (30.0%)	18 (43.9%)	30 (37.0%)
Missing	22 (55.0%)	21 (51.2%)	43 (53.1%)
Age			
Mean (SD)	64.5 (9.06)	64.3 (8.65)	64.4 (8.79)
Median [Min, Max]	65.0 [47.0, 82.0]	64.0 [47.0, 83.0]	64.0 [47.0, 83.0]
Missing	5 (12.5%)	5 (12.2%)	10 (12.3%)
Pack Years			
Mean (SD)	48.1 (27.5)	39.6 (22.4)	44.4 (25.5)
Median [Min, Max]	50.0 [0, 100]	37.5 [10.0, 90.0]	45.0 [0, 100]
Missing	13 (32.5%)	21 (51.2%)	34 (42.0%)

Supplementary Table 2

	GBP5-High (N=42)	GBP5-Low (N=43)	Overall (N=85)
Gender			
Female	2 (4.8%)	4 (9.3%)	6 (7.1%)
Male	26 (61.9%)	25 (58.1%)	51 (60.0%)
Missing	14 (33.3%)	14 (32.6%)	28 (32.9%)
Cigarette Smoking			
Non-smoker	7 (16.7%)	9 (20.9%)	16 (18.8%)
Smoker	21 (50.0%)	20 (46.5%)	41 (48.2%)
Missing	14 (33.3%)	14 (32.6%)	28 (32.9%)
Stage			
I	8 (19.0%)	4 (9.3%)	12 (14.1%)
II	6 (14.3%)	4 (9.3%)	10 (11.8%)
III	13 (31.0%)	21 (48.8%)	34 (40.0%)
IV	1 (2.4%)	0 (0%)	1 (1.2%)
Missing	14 (33.3%)	14 (32.6%)	28 (32.9%)
Age			
Mean (SD)	59.8 (9.64)	56.2 (8.12)	57.9 (9.00)
Median [Min, Max]	62.5 [36.0, 78.3]	56.5 [39.4, 70.2]	58.0 [36.0, 78.3]
Missing	14 (33.3%)	14 (32.6%)	28 (32.9%)

Supplementary Table 3

id	Best	Confire	binary	Resp	Enrollment	IC Level	TC Level	Immune	ph	FM	One	mu	Sex	Race	Intravesical	Baseline	EC	Tobacco	U ₂	Met	Disease	Sample	age	Tissue	Received	pl	Sample	coll	Neoantigen	size	Factor	OS_time	OS	Lund	Lund2	TCGA	Subr	CANCER_	ONCOTREE_CODE	
SAMf2ce197162ce	NE	NA	IC1	IC1	TC1	TC1	NA		3	M	WHITE	N	0	NEVER	Liver	1-2	years	ureter	Y	Y	0.5686275	1.3617619	1.5770021	1	MS2a2	Genomical	IV						1	MS2a2	Genomical	IV	Bladder	Ca	BLCA	
SAM6988d8476b934	NE	NA	IC1	IC1	TC0	TC0	excluded		6	F	WHITE	N	1	NEVER	Visceral	(less than)	1	bladder	Y	Y	1.0196078	1.2344059	0.4271047	1	MS2b2.2	Basal/SCC-IV							1	MS2b2.2	Basal/SCC-IV			Bladder	Ca	BLCA
SAMe1b27bc16435	PR	CR/PR	IC2	IC2+	TC0	TC0	excluded		5	M	WHITE	N	0	PREVIOUS	Visceral	more than	2	kidney	Y	Y	1.4117647	0.5555118	24.180698	0	MS2a1	Genomical	I						0	MS2a1	Genomical	I		Bladder	Ca	BLCA
SAM85e41e76339	NE	NA	IC1	IC1	TC1	TC1	inflamed		10	M	WHITE	N	2	PREVIOUS	Visceral	(less than)	1	bladder	N	NA	1.254902	1.1647357	0.62423	1	MS2b2.2	Basal/SCC-IV							1	MS2b2.2	Basal/SCC-IV			Bladder	Ca	BLCA
SAMf275eb859a39	PR	CR/PR	IC1	IC1	TC0	TC0	excluded		9	M	BLACK ORY	N	0	PREVIOUS	Visceral	1-2	years	bladder	Y	Y	NA	1.4834422	24.476386	0	MS1a	UroA	I						0	MS1a	UroA	I		Bladder	Ca	BLCA
SAM70M9ec7f001	PD	SD/	PD/	IC1	IC1	TC0	excluded	NA		M	WHITE	N	1	NEVER	Liver	more than	2	bladder	Y	Y	NA	0.6498134	4.6324435	1	MS2b1	Infiltrated	II						1	MS2b1	Infiltrated	II		Bladder	Ca	BLCA
SAM4305ab968890	PD	SD/	PD/	IC0	IC0	TC0	desert		12	M	WHITE	N	1	PREVIOUS	Liver	more than	2	bladder	Y	N	0.3921569	1.3451211	1.412731	1	MS1b	UroA	I						1	MS1b	UroA	I		Bladder	Ca	BLCA
SAMc0f18fcec2acd	PD	SD/	PD/	IC0	IC0	TC0	excluded	NA		M	WHITE	N	0	PREVIOUS	Visceral	more than	2	kidney	Y	Y	NA	1.7799627	16.229979	1	MS1a	UroA	I						1	MS1a	UroA	I		Bladder	Ca	BLCA
SAMb2f1d0e54ecc	PR	CR/	PR/	IC2	IC2+	TC2+	desert	NA		M	WHITE	N	1	PREVIOUS	Visceral	(less than)	1	bladder	Y	N	0.8627451	0.7984888	11.400411	1	MS2b1	Infiltrated	IV						1	MS2b1	Infiltrated	IV		Bladder	Ca	BLCA
SAMc4675f394a1	PD	SD/	PD/	IC0	IC0	TC0	NA	NA		M	WHITE	N	1	PREVIOUS	Liver	(less than)	1	liver	Y	Y	NA	1.199407	3.1211499	1	MS1a	UroA	I						1	MS1a	UroA	I		Bladder	Ca	BLCA
SAM49f9b2e57aa5	PD	SD/	PD/	IC0	IC0	TC0	excluded		5	M	WHITE	Y	1	PREVIOUS	Liver	1-2	years	kidney	Y	Y	1.4509804	0.9977972	7.4579055	1	MS1b	UroA	I						1	MS1b	UroA	I		Bladder	Ca	BLCA
SAM2e7aa8fa0ab3	PD	SD/	PD/	IC1	IC1	TC0	excluded		14	M	WHITE	N	1	PREVIOUS	Visceral	(less than)	1	kidney	N	NA	2.7058824	1.2795319	7.7207392	1	MS1b	UroA	II						1	MS1b	UroA	II		Bladder	Ca	BLCA
SAMd0e47bc700b0	NE	NA	IC0	IC0	TC0	TC0	desert		5	M	WHITE	N	1	NEVER	Visceral	1-2	years	kidney	Y	Y	NA	0.9483392	0.8870637	1	MS1b	UroA	II						1	MS1b	UroA	II		Bladder	Ca	BLCA
SAMd13c42e264a2a	PD	SD/	PD/	IC2	IC2+	TC2+	inflamed		19	M	WHITE	N	1	PREVIOUS	Visceral	(less than)	1	bladder	Y	Y	3.2352941	0.7913531	7.3264887	1	MS2b2.2	Basal/SCC-III							1	MS2b2.2	Basal/SCC-III			Bladder	Ca	BLCA
SAMd07124354cc	CR	CR/	PR/	IC0	IC0	TC0	desert		4	F	WHITE	N	0	NEVER	NA	1-2	years	ureter	N	NA	0.7647059	1.4311124	23.523614	0	MS2b2.2	Basal/SCC-III							0	MS2b2.2	Basal/SCC-III			Bladder	Ca	BLCA
SAM36d87392593b	SD	SD/	PD/	IC2	IC2+	TC2+	excluded		7	M	WHITE	N	0	NEVER	Visceral	1-2	years	ureter	Y	Y	0.3529412	1.0006591	23.687885	0	MS2b2.2	Basal/SCC-III							0	MS2b2.2	Basal/SCC-III			Bladder	Ca	BLCA
SAM4edcbe45817b3	NE	NA	IC2	IC2+	TC2+	TC2+	inflamed		26	M	WHITE	N	1	PREVIOUS	NA	(less than)	1	bladder	Y	Y	3.6862745	0.9075378	1.0513347	1	MS2b2.2	Basal/SCC-III							1	MS2b2.2	Basal/SCC-III			Bladder	Ca	BLCA
SAM36a9225b0222	SD	SD/	PD/	IC2	IC2+	TC2+	inflamed		1	M	ASIAN	N	1	PREVIOUS	Liver	1-2	years	bladder	Y	N	0.6078431	1.6812841	23.819302	0	MS2b1	Infiltrated	IV						0	MS2b1	Infiltrated	IV		Bladder	Ca	BLCA
SAMe7b16c015192	PD	SD/	PD/	IC2	IC2+	TC0	inflamed		7	M	WHITE	N	1	PREVIOUS	Visceral	(less than)	1	kidney	N	NA	1.372549	1.2088202	3.1211499	1	MS2b2.1	UroB	III						1	MS2b2.1	UroB	III		Bladder	Ca	BLCA
SAMd6dd7ad1d797d	PD	SD/	PD/	IC1	IC1	TC2+	NA	NA		M	WHITE	N	1	PREVIOUS	Visceral	1-2	years	bladder	Y	Y	3.5686275	1.249421	19.285421	1	MS2b2.1	Basal/SCC-III							1	MS2b2.1	Basal/SCC-III			Bladder	Ca	BLCA
SAMe0d625a50eb8	SD	SD/	PD/	IC0	IC0	TC0	desert		3	F	WHITE	N	1	NEVER	Visceral	1-2	years	bladder	Y	N	0.2941176	1.0076896	13.273101	1	MS2b1	Infiltrated	I						1	MS2b1	Infiltrated	I		Bladder	Ca	BLCA
SAM18039827e1b9	PD	SD/	PD/	IC0	IC0	TC0	desert		15	M	WHITE	N	1	NEVER	Visceral	(less than)	1	bladder	Y	N	NA	1.9184914	1.4784394	1	MS1b	UroA	II						1	MS1b	UroA	II		Bladder	Ca	BLCA
SAM681e4bf7c85	PR	CR/	PR/	IC2	IC2+	TC0	excluded		7	M	WHITE	N	0	NEVER	NA	1-2	years	bladder	Y	Y	1.8627451	1.5863464	23.392197	0	MS1b	UroA	I						0	MS1b	UroA	I		Bladder	Ca	BLCA
SAMe692536a795a	PD	SD/	PD/	IC1	IC1	TC0	desert		10	M	WHITE	Y	1	PREVIOUS	NA	1-2	years	ureter	Y	Y	NA	1.0142605	5.650924	1	MS2b1	Infiltrated	II						1	MS2b1	Infiltrated	II		Bladder	Ca	BLCA
SAM9a2c3e06fb3	PD	SD/	PD/	IC1	IC1	TC0	inflamed		4	M	WHITE	N	0	PREVIOUS	Visceral	more than	2	bladder	Y	Y	0.8627451	1.6066083	5.650924	1	MS2b1	Infiltrated	II						1	MS2b1	Infiltrated	II		Bladder	Ca	BLCA
SAM557dde1b9f3e	PD	SD/	PD/	IC1	IC1	TC0	excluded		5	M	WHITE	N	1	NEVER	Visceral	more than	2	ureter	Y	Y	NA	0.5831862	6.7022587	1	MS1a	UroA	I						1	MS1a	UroA	I		Bladder	Ca	BLCA
SAMb8f13a0525ab6	NE	NA	IC2	IC2+	TC0	TC0	excluded		4	M	WHITE	N	0	NEVER	Liver	1-2	years	kidney	Y	Y	0.5294118	0.97032	2.6940452	1	MS2b2.2	Basal/SCC-IV							1	MS2b2.2	Basal/SCC-IV			Bladder	Ca	BLCA
SAM23aa15d4a0b0	PD	SD/	PD/	IC1	IC1	TC0	excluded		5	F	WHITE	N	1	NEVER	Liver	more than	2	kidney	Y	Y	0.3333333	0.9672663	5.7166324	1	MS2a1	Genomical	III						1	MS2a1	Genomical	III		Bladder	Ca	BLCA
SAM468a9e1dc821	PD	SD/	PD/	IC2	IC2+	TC0	desert		8	M	WHITE	N	1	PREVIOUS	Visceral	(less than)	1	NA	Y	N	NA	0.7372686	3.8767967	1	MS2b2.1	UroB	IV						1	MS2b2.1	UroB	IV		Bladder	Ca	BLCA
SAM81b71522417a	PD	SD/	PD/	IC0	IC0	TC0	NA		7	F	WHITE	N	0	PREVIOUS	Liver	(less than)	1	bladder	N	NA	1.0784314	1.7056612	2.1355236	1	MS1b	UroA	I						1	MS1b	UroA	I		Bladder	Ca	BLCA
SAM6cb230f208a8	PR	CR/	PR/	IC0	IC0	TC1	desert		20	M	WHITE	N	0	PREVIOUS	Visceral	1-2	years	lung	Y	Y	1.0392157	0.7723566	23.227926	0	MS1b	UroA	I						0	MS1b	UroA	I		Bladder	Ca	BLCA
SAM0684a4734b1	PR	CR/	PR/	IC0	IC0	TC0	NA		6	F	WHITE	N	1	PREVIOUS	Visceral	(less than)	1	bladder	N	NA	0.9215686	1.3611922	23.26078	0	MS1b	UroA	I						0	MS1b	UroA	I		Bladder	Ca	BLCA
SAMb963dad93cfd	PD	SD/	PD/	IC2	IC2+	TC2+	excluded		8	M	OTHER	N	1	CURRENT	Liver	1-2	years	bladder	Y	Y	0.8823529	1.6936178	2.7597536	1	MS2b2.2	Basal/SCC-IV							1	MS2b2.2	Basal/SCC-IV			Bladder	Ca	BLCA
SAM9ca9e8536d2b1	SD	SD/	PD/	IC1	IC1	TC1	NA		3	M	WHITE	N	0	PREVIOUS	LN Only	1-2	years	bladder	N	NA	0.3529412	0.8461297	21.848049	0	MS2b1	Infiltrated	III						0	MS2b1	Infiltrated	III		Bladder	Ca	BLCA
SAM9f814c22bdb	SD	SD/	PD/	IC1	IC1	TC0	desert		6	F	WHITE	N	0	PREVIOUS	NA	(less than)	1	bladder	N	NA	0.4313725	0.7713971	19.12115	1	MS2b1	Infiltrated	III						1	MS2b1	Infiltrated	III		Bladder	Ca	BLCA
SAMb8bc7957e264	PD	SD/	PD/	IC1	IC1	TC0	desert		9	M	WHITE	Y	1	NEVER	Visceral	1-2	years	bladder	Y	Y	NA	1.7013938	4.1724846	1	MS1b	UroA	I						1	MS1b	UroA	I		Bladder	Ca	BLCA
SAM7fb698751																																								

SAM0ce9c983b20f	PD	SD/PD	IC2	IC2+	TC0	excluded	9 M	WHITE	N	0 NEVER	NA	1-2 years	ureter	Y	Y	NA	0.8863618	6.6036961	1 MS2b2	Basal/SCC-III	Bladder Ca/BLCA	
SAMa1e62d332c1d	SD	SD/SD	IC2	IC2+	TC0	inflamed	15 F	WHITE	Y	0 PREVIOUS	Visceral	1-2 years	bladder	Y	N	0.9215686	1.3140227	10.579055	1 MS2a1	GenomicalIII	Bladder Ca/BLCA	
SAM61ba919b001	SD	SD/PD	IC0	IC1	TC0	desert	NA	F	WHITE	N	1 NEVER	Visceral	(less than) 1	lymph node	Y	N	NA	0.9398294	15.605749	1 MS2b1	Infiltrated I	Bladder Ca/BLCA
SAM97a00e929b9	PR	CR/PR	IC2	IC2+	TC0	excluded	18 M	OTHER	N	0 PREVIOUS	Liver	(less than) 1	kidney	N	NA	2.8627451	0.7102569	12.714579	0 MS2a1	GenomicalIII	Bladder Ca/BLCA	
SAM22828939632f	PD	SD/SD	IC1	IC1	TC0	excluded	8 F	BLACK ORN	N	1 NEVER	Liver	more than 2	bladder	Y	N	0.4509804	0.8918077	7.8850103	1 MS2b1	Infiltrated IV	Bladder Ca/BLCA	
SAM9539a4f19ebc	SD	SD/PD	IC0	IC0	TC0	desert	NA	M	WHITE	N	0 NEVER	Liver	(less than) 1	bladder	Y	N	0.4313725	1.4680234	7.9507187	1 MS1b	UroA I	Bladder Ca/BLCA
SAM36851bc8b9a9e	SD	SD/PD	IC1	IC1	TC2+	excluded	7 M	WHITE	N	1 PREVIOUS	Visceral	(less than) 1	bladder	Y	Y	0.3333333	0.7397069	3.5482546	1 MS1b	UroA I	Bladder Ca/BLCA	
SAM297c0301e861	PD	SD/PD	IC1	IC1	TC2+	excluded	1 M	WHITE	Y	1 NEVER	Liver	more than 2	bladder	Y	N	NA	1.0851175	0.8021355	1 MS2b1	Infiltrated IV	Bladder Ca/BLCA	
SAM1fa66cb7fc48	PD	SD/PD	IC2	IC2+	TC0	inflamed	8 M	WHITE	Y	1 CURRENT	Visceral	(less than) 1	bladder	Y	Y	1.2352941	1.3259056	22.735113	0 MS1b	UroA I	Bladder Ca/BLCA	
SAM075e037d95bc	PR	CR/PR	IC1	IC1	TC0	excluded	11 M	WHITE	Y	0 NEVER	Visceral	more than 2	kidney	Y	Y	0.745098	0.7905631	21.322382	0 MS1b	UroA I	Bladder Ca/BLCA	
SAM62a2e0c39b9e	PD	SD/PD	IC1	IC1	TC0	excluded	NA	M	BLACK ORN	N	1 CURRENT	LN Only	(less than) 1	lymph node	Y	Y	NA	1.0879611	22.110883	0 MS1b	UroA I	Bladder Ca/BLCA
SAMcabb6d58ff55	SD	SD/PD	IC2	IC2+	TC2+	inflamed	11 F	BLACK ORN	N	1 NEVER	Visceral	(less than) 1	lung	Y	N	1.3529412	0.8988153	20.271047	0 MS2b2.2	Basal/SCC-IV	Bladder Ca/BLCA	
SAM716f54e46864	SD	SD/PD	IC2	IC2+	TC0	NA	6 M	WHITE	N	1 NEVER	Liver	1-2 years	kidney	Y	Y	1.5686275	1.3567781	21.190965	0 MS2b1	Infiltrated II	Bladder Ca/BLCA	
SAMeff2ce356ccb	PD	SD/PD	IC0	IC0	TC0	desert	14 M	WHITE	Y	0 NEVER	Visceral	more than 2	ureter	Y	Y	NA	1.0777822	0.8021355	1 MS1b	UroA I	Bladder Ca/BLCA	
SAM110501d0eebd	PD	SD/PD	IC1	IC1	TC0	desert	21 M	WHITE	Y	1 NEVER	LN Only	more than 2	bladder	Y	Y	3.5294118	1.1752249	4.2710472	1 MS2a1	GenomicalIII	Bladder Ca/BLCA	
SAM2e9a60b1b250	CR	CR/PR	IC2	IC2+	TC2+	NA	18 M	WHITE	N	1 PREVIOUS	NA	1-2 years	bladder	Y	Y	1.7647059	0.4782786	22.143737	0 MS2b2.2	Basal/SCC-IV	Bladder Ca/BLCA	
SAM0e0ef41a6c8b	PD	SD/PD	IC0	IC0	TC0	desert	5 M	WHITE	Y	0 NEVER	Visceral	(less than) 1	NA	Y	N	0.9607843	0.9862958	9.5605749	1 MS1b	UroA I	Bladder Ca/BLCA	
SAMd636e3461955	PD	SD/PD	IC1	IC1	TC0	inflamed	NA	M	WHITE	Y	1 PREVIOUS	LN Only	1-2 years	bladder	Y	Y	0.1960784	0.9338649	10.480493	1 MS2b1	Infiltrated IV	Bladder Ca/BLCA
SAMe712352fb82a	PR	CR/PR	IC0	IC0	TC0	desert	NA	M	WHITE	N	0 PREVIOUS	NA	(less than) 1	bladder	Y	Y	NA	1.6407904	22.110883	0 MS2a1	GenomicalIII	Bladder Ca/BLCA
SAM30b5c6c54c7	CR	CR/PR	IC2	IC2+	TC0	excluded	6 F	WHITE	N	1 PREVIOUS	LN Only	1-2 years	bladder	Y	N	NA	0.7547023	9.2648871	1 MS2b2.2	Basal/SCC-IV	Bladder Ca/BLCA	
SAMd98ba60a070f	PD	SD/PD	IC0	IC0	TC0	desert	8 M	WHITE	Y	1 PREVIOUS	Liver	(less than) 1	ureter	Y	N	0.7254902	1.2281135	2.0698152	1 MS1a	UroA III	Bladder Ca/BLCA	
SAM8e8ef2368dfa	PD	SD/PD	IC0	IC0	TC0	desert	6 M	WHITE	N	0 CURRENT	Visceral	(less than) 1	kidney	Y	N	0.5098039	1.0427453	4.5010267	1 MS2b1	Infiltrated IV	Bladder Ca/BLCA	
SAM08ce2fa88f2	SD	SD/PD	IC0	IC0	TC0	excluded	NA	F	WHITE	Y	1 CURRENT	Visceral	more than 2	bladder	Y	Y	NA	0.6394718	22.110883	0 MS1b	UroA I	Bladder Ca/BLCA
SAMB4c7a001537d	PD	SD/PD	IC1	IC1	TC1	inflamed	5 M	WHITE	N	1 PREVIOUS	Visceral	1-2 years	kidney	Y	Y	NA	0.8158505	3.1868583	1 MS1b	UroA I	Bladder Ca/BLCA	
SAMd947610629d	PD	SD/PD	IC0	IC0	TC0	desert	5 M	WHITE	N	0 PREVIOUS	Visceral	1-2 years	bladder	Y	N	NA	0.7539059	9.0349076	1 MS2b1	Infiltrated I	Bladder Ca/BLCA	
SAM943df5cf15df	PD	SD/PD	IC1	IC1	TC0	desert	5 M	WHITE	N	1 PREVIOUS	Visceral	(less than) 1	bladder	Y	N	0.1176471	0.9846785	2.1355236	1 MS2b2.2	Basal/SCC-III	Bladder Ca/BLCA	
SAM31f41dd0d6ca	SD	SD/PD	IC1	IC1	TC0	NA	NA	F	WHITE	Y	1 PREVIOUS	NA	(less than) 1	lymph node	Y	N	0.7058824	1.2730064	8.2792608	1 MS2b1.2	UroB I	Bladder Ca/BLCA
SAMb3c02294ab4	PR	CR/PR	IC0	IC0	TC1	desert	18 M	WHITE	Y	1 PREVIOUS	Visceral	(less than) 1	other	Y	N	NA	1.0655559	22.406571	0 MS2a1	GenomicalIII	Bladder Ca/BLCA	
SAM39eb946504d	PD	SD/PD	IC2	IC2+	TC0	excluded	6 M	WHITE	N	1 PREVIOUS	Visceral	1-2 years	bladder	Y	Y	NA	1.0833727	17.905544	1 MS2b2.1	Basal/SCC-III	Bladder Ca/BLCA	
SAM62fb1388e871	PD	SD/PD	IC1	IC1	TC0	NA	5 F	WHITE	N	0 PREVIOUS	Visceral	more than 2	kidney	Y	N	0.7843137	1.2882409	22.505133	0 MS2a1	GenomicalIV	Bladder Ca/BLCA	
SAMe0da5d4866d	PD	SD/PD	IC1	IC1	TC2+	desert	5 M	WHITE	N	1 NEVER	Visceral	(less than) 1	bladder	Y	Y	1.1764706	1.630405	9.4948665	1 MS2a2	GenomicalIV	Bladder Ca/BLCA	
SAMe7bcab05402e	SD	SD/PD	IC0	IC0	TC0	NA	NA	M	WHITE	N	1 PREVIOUS	Visceral	1-2 years	kidney	Y	N	NA	1.4906901	7.9178645	1 MS2b1	Infiltrated I	Bladder Ca/BLCA
SAM2570ff4aae6e	PR	CR/PR	IC2	IC2+	TC0	inflamed	12 F	WHITE	N	1 CURRENT	LN Only	(less than) 1	lymph node	Y	N	1.5294118	0.8515257	22.373717	0 MS2b1.2	UroB III	Bladder Ca/BLCA	
SAM2cb3f0f4e45e9	PD	SD/PD	IC2	IC2+	TC2+	inflamed	NA	M	WHITE	N	1 PREVIOUS	Liver	(less than) 1	kidney	Y	N	NA	1.1458599	10.184805	1 MS2b2.1	Basal/SCC-III	Bladder Ca/BLCA
SAM9448d858692c	NE	NA	IC2	IC2+	TC1	inflamed	8 M	WHITE	Y	1 PREVIOUS	Liver	(less than) 1	kidney	Y	N	NA	0.9507997	2.036961	1 MS2b1	Infiltrated II	Bladder Ca/BLCA	
SAM4501e41e4751	PD	SD/PD	IC1	IC1	TC1	excluded	6 M	WHITE	N	1 NEVER	Liver	1-2 years	bladder	Y	Y	0.9215686	1.3633497	11.170431	1 MS2b2.2	Basal/SCC-III	Bladder Ca/BLCA	
SAM714285adf612	NE	NA	IC2	IC2+	TC2+	inflamed	5 M	WHITE	N	1 NEVER	Liver	1-2 years	kidney	Y	Y	0.9803922	1.3310955	0.62423	1 MS2b1	Infiltrated IV	Bladder Ca/BLCA	
SAM5b57e47fcb3	PD	SD/PD	IC2	IC2+	TC0	NA	12 F	ASIAN	N	1 NEVER	Liver	more than 2	ureter	Y	Y	NA	0.9778057	3.8439425	1 MS1b	UroA I	Bladder Ca/BLCA	
SAMae4ada274ed	PD	SD/PD	IC0	IC0	TC0	NA	NA	F	WHITE	Y	1 NEVER	Liver	(less than) 1	bladder	Y	Y	NA	1.4846168	4.9938398	1 MS2a2	GenomicalIII	Bladder Ca/BLCA
SAMd35318127278	CR	CR/PR	IC1	IC1	TC1	excluded	62 M	WHITE	Y	1 PREVIOUS	LN Only	(less than) 1	kidney	N	NA	10.019608	1.7673386	21.585216	0 MS2a1	GenomicalIII	Bladder Ca/BLCA	
SAMa913c6139ce8	SD	SD/PD	IC2	IC2+	TC0	excluded	NA	M	WHITE	N	0 NEVER	Visceral	(less than) 1	kidney	Y	N	1.5294118	0.9422851	5.1252567	1 MS2b1	Infiltrated II	Bladder Ca/BLCA
SAM75142fcab9df	PD	SD/PD	IC2	IC2+	TC0	excluded	7 F	WHITE	N	1 NEVER	LN Only	more than 2	kidney	Y	Y	0.2745098	1.3678296	11.926078	1 MS2b1	Infiltrated I	Bladder Ca/BLCA	
SAMd697ba701077	SD	SD/PD	IC0	IC0	TC0	excluded	NA	F	WHITE	Y	0 PREVIOUS	LN Only	more than 2	ureter	Y	Y	NA	1.2206875	21.158111	1 MS1a	UroA II	Bladder Ca/BLCA
SAM1166a419a4e5a	PD	SD/PD	IC1	IC1	TC0	excluded	5 M	WHITE	N	1 PREVIOUS	Visceral	1-2 years	bladder	Y	N	0.2745098	1.2723106	5.3880903	1 MS2b1	Infiltrated IV	Bladder Ca/BLCA	
SAM025b45c27e05	PD	SD/PD	IC1	IC1	TC0	desert	1 M	WHITE	N	0 PREVIOUS	Liver	1-2 years	bladder	Y	Y	0.3137255	1.6488254	8.7720739	1 MS2b1	Infiltrated III	Bladder Ca/BLCA	
SAMe07c4560772d	PD	SD/PD	IC0	IC0	TC0	desert	5 F	OTHER	Y	1 NEVER	Visceral	more than 2	ureter	Y	Y	0.5490196	1.2838944	2.1026694	0 MS1b	UroA I	Bladder Ca/BLCA	
SAM2dc578e0165f	NE	NA	IC2	IC2+	TC2+	excluded	8 M	ASIAN	N	1 PREVIOUS	Visceral	(less than) 1	bladder	Y	Y	NA	1.7651904	1.9712526	1 MS2a2	GenomicalIV	Bladder Ca/BLCA	
SAM3785587846cc	NE	NA	IC1	IC1	TC0	NA	9 F	WHITE	Y	1 PREVIOUS	Liver	1-2 years	ureter	Y	Y	NA	1.118729	7.063655	1 MS1b	UroA I	Bladder Ca/BLCA	
SAM50f23d6a3ad	CR	CR/PR	IC2	IC2+	TC2+	inflamed	19 M	NATIVE HN	N	0 PREVIOUS	NA	(less than) 1	other	Y	Y	0.6470588	1.0572023	21.38809	0 MS2b2.2	Basal/SCC-IV	Bladder Ca/BLCA	
SAM52500cabdd36	SD	SD/PD	IC1	IC1	TC0	excluded	12 F	OTHER	N	0 PREVIOUS	LN Only	1-2 years	ureter	Y	Y	0.745098	0.7258085	20.468172	0 MS2a1	GenomicalIII	Bladder Ca/BLCA	
SAM114df63a65411	PR	CR/PR	IC2	IC2+	TC2+	excluded	7 F	WHITE	N	0 PREVIOUS	Liver	(less than) 1	bladder	Y	Y	0.5686275	1.7362812	21.420945	0 MS1b	UroA III	Bladder Ca/BLCA	
SAMf3a9bec50099	PD	SD/PD	IC2	IC2+	TC0	excluded	4 F	ASIAN	N	1 PREVIOUS	LN Only	(less than) 1	kidney	Y	Y	NA	1.0534267	2.1026694	0 MS2b1	Infiltrated II	Bladder Ca/BLCA	
SAMffa5c7cad0e5	PR	CR/PR	IC1	IC1	TC0	desert	10 M	WHITE	N	1 PREVIOUS	Visceral	(less than) 1	other	Y	NA	NA	0.8375501	15.540041	1 MS2b1	Infiltrated IV	Bladder Ca/BLCA	
SAMdab9ca8fb5dc	PD	SD/PD	IC0	IC0	TC0	excluded	14 M	WHITE	N	2 PREVIOUS	Liver	(less than) 1	bladder	N	NA	2.9215686	1.5293273	0.1971253	0 MS1a	UroA I	Bladder Ca/BLCA	
SAM34430e08e5b	PD	SD/PD	IC1	IC1	TC0	NA	NA	M	WHITE	N	0 NEVER	Visceral	more than 2	bladder	Y	Y	NA	0.5676283	18.168378	0 MS2b1	Infiltrated IV	Bladder Ca/BLCA
SAM4b0175e8dbf6e	PD	SD/PD	IC1	IC1	TC0	desert	6 M	WHITE	N	1 PREVIOUS	Liver	more than 2	kidney	Y	Y	NA	1.0510243	2.0698152	1 MS2b1	Infiltrated I	Bladder Ca/BLCA	
SAM28c01545593	SD	SD/PD	IC1	IC1	TC0	desert	8 M	WHITE	Y	0 PREVIOUS	Visceral											

SAM61b9d4d84c64	SD	SD/PD	IC2	IC2+	TC0	inflamed		27	M	WHITE	N	1 PREVIOUS	Liver	1-2 years	bladder	Y	Y	5.8823529	1.8784983	21.38809	0 MS2a1	GenomicalII	Bladder	Ca/BLCA		
SAM8a2cd0d59187	NE	NA	IC0	IC0	TC0	NA	NA		3	M	WHITE	Y	1 NEVER	Liver	(less than) 1NA	Y	N	0.2745098	0.8919493	2.825462	1 MS1b	UroA	III	Bladder	Ca/BLCA	
SAMecb132b0cdd2c	PD	SD/PD	IC1	IC1	TC2+	desert	NA		M	WHITE	N	1 CURRENTLN	Only	(less than) 1lymph node	Y	N	0.8431373	1.3659038	2.5297741	1 MS2a2	GenomicalIII	Bladder	Ca/BLCA			
SAMe97af0fecdf	PD	SD/PD	IC1	IC1	TC0	excluded			3	F	WHITE	N	0 PREVIOUS	Visceral	(less than) 1bladder	Y	N	0.7058824	1.4030915	11.104723	1 MS1a	UroA	I	Bladder	Ca/BLCA	
SAMec3844cc0b9f	PD	SD/PD	IC0	IC0	TC0	NA	NA		M	WHITE	Y	1 PREVIOUS	Visceral	(less than) 1lymph node	Y	N	NA	0.8918815	3.2197125		1 MS2b1	Infiltrated I		Bladder	Ca/BLCA	
SAM73b653ac20d1	NE	NA	IC2	IC2+	TC2+	inflamed			3	F	WHITE	Y	1 NEVER	Visceral	(less than) 1other	Y	Y	0.9607843	1.3622658	1.8069815	1 MS2b2.2	Basal/SCC-III		Bladder	Ca/BLCA	
SAMdca5c4fcd7fa	PD	SD/PD	IC1	IC1	TC0	excluded	NA		M	WHITE	Y	1 PREVIOUSLN	Only	more than 2kidney	Y	N	1.4313725	1.2786817	6.2422998	1 MS2b1	Infiltrated II		Bladder	Ca/BLCA		
SAMdad5c29d4c105	PD	SD/PD	IC1	IC1	TC0	excluded			5	M	WHITE	N	1 CURRENT	Visceral	more than 2bladder	Y	Y	0.6666667	1.5307862	2.4312115	1 MS1b	UroA	II	Bladder	Ca/BLCA	
SAMa424c75831b4	PD	SD/PD	IC2	IC2+	TC0	NA			6	M	WHITE	N	1 PREVIOUS	Visceral	1-2 years	bladder	Y	N	0.6862745	0.7761418	3.5482546	1 MS1b	UroA	II	Bladder	Ca/BLCA
SAM28687037e4ff	SD	SD/PD	IC2	IC2+	TC2+	inflamed			6	M	WHITE	N	0 PREVIOUS	Visceral	(less than) 1kidney	Y	Y	0.5686275	1.5087893	21.585216	0 MS2b2.2	Basal/SCC-III		Bladder	Ca/BLCA	
SAMe50d15fde368	PR	CR/PR	IC1	IC1	TC0	desert			9	F	WHITE	Y	1 PREVIOUS	Visceral	1-2 years	bladder	Y	Y	2.1764706	1.7006513	18.89117	0 MS1b	UroA	I	Bladder	Ca/BLCA
SAM45e8c6412c66	PD	SD/PD	IC1	IC1	TC2+	inflamed			5	M	WHITE	N	1 PREVIOUSLN	Only	(less than) 1bladder	Y	N	1.3921569	1.2979272	3.4825462	1 MS2b2.2	Basal/SCC-III		Bladder	Ca/BLCA	
SAM8533c5c261d6	PR	CR/PR	IC0	IC0	TC0	desert			5	M	WHITE	N	0 PREVIOUS	Visceral	1-2 years	bladder	Y	N	1.7254902	1.5230773	12.813142	1 MS1b	UroA	I	Bladder	Ca/BLCA
SAMaaf505c3c6f93	PR	CR/PR	IC1	IC1	TC0	excluded			15	M	WHITE	N	1 PREVIOUSLN	Only	more than 2kidney	Y	Y	1.7254902	1.5382453	20.566735	0 MS1b	UroA	I	Bladder	Ca/BLCA	
SAM73663ce4a96c	CR	CR/PR	IC2	IC2+	TC0	excluded	NA		M	WHITE	N	0 PREVIOUSLN	Only	(less than) 1kidney	N	NA	NA	0.7961654	21.256674		0 MS1b	UroA	I	Bladder	Ca/BLCA	
SAM0bb3428bd13	PD	SD/PD	IC0	IC0	TC0	NA	NA		F	WHITE	N	1 NEVER	Visceral	(less than) 1lymph node	Y	N	NA	1.0187495	2.2340862		1 MS2b1	Infiltrated II		Bladder	Ca/BLCA	
SAM3330c036df0	PD	SD/PD	IC1	IC1	TC0	NA			2	M	WHITE	N	0 NEVER	LN Only	(less than) 1lymph node	Y	N	NA	1.1405114	19.186858		0 MS2b1	Infiltrated IV		Bladder	Ca/BLCA
SAM0a7c2091dd56	PD	SD/PD	IC2	IC2+	TC1	excluded			8	M	WHITE	N	1 NEVER	Visceral	(less than) 1bladder	Y	N	1.2745098	0.9376758	2.6283368	1 MS2b2.2	Basal/SCC-III		Bladder	Ca/BLCA	
SAM7bf231634c9	SD	SD/PD	IC2	IC2+	TC2+	NA	NA		M	WHITE	N	1 PREVIOUS	Visceral	(less than) 1ureter	Y	Y	0.7254902	1.2271864	10.250513	1 MS2b2.2	Basal/SCC-III		Bladder	Ca/BLCA		
SAM5d1df45207f5	PD	SD/PD	IC0	IC0	TC0	NA	NA		12	M	WHITE	Y	1 NEVER	Visceral	(less than) 1bladder	Y	N	NA	1.8381906	10.907598		1 MS1b	UroA	I	Bladder	Ca/BLCA
SAMeb587a68006b	SD	SD/PD	IC1	IC1	TC0	NA	NA		M	WHITE	Y	1 PREVIOUSLN	Only	1-2 years	bladder	N	NA	NA	1.2803134	20.698152		0 MS2b1	Infiltrated II		Bladder	Ca/BLCA
SAM99a46b9ec27	PD	SD/PD	IC0	IC0	TC0	excluded			5	M	WHITE	N	1 PREVIOUS	Liver	1-2 years	kidney	Y	Y	0.7254902	1.9656916	3.613963	1 MS2b1	Infiltrated I		Bladder	Ca/BLCA
SAM1ac4c3dec297	PD	SD/PD	IC1	IC1	TC0	excluded			2	M	WHITE	Y	1 PREVIOUS	Liver	(less than) 1kidney	N	NA	0.6470588	1.0556986	5.5195072	1 MS1b	UroA	I	Bladder	Ca/BLCA	
SAM53c3c35b847	PD	SD/PD	IC0	IC0	TC0	NA	NA		F	WHITE	N	0 PREVIOUS	Liver	(less than) 1kidney	Y	Y	NA	0.9785279	6.7022587		1 MS2b1	Infiltrated IV		Bladder	Ca/BLCA	
SAM3c04cb914f3d	PR	CR/PR	IC2	IC2+	TC0	excluded			17	M	WHITE	N	1 NEVER	Liver	(less than) 1lymph node	Y	N	1.4117647	1.2866232	17.281314	0 MS2b1	Infiltrated I		Bladder	Ca/BLCA	
SAMe2a1820d4e6b	CR	CR/PR	IC2	IC2+	TC0	excluded	NA		M	WHITE	N	0 NEVER	LN Only	(less than) 1bladder	Y	Y	NA	1.3177782	20.731006		0 MS2b1	Infiltrated I		Bladder	Ca/BLCA	
SAM822b226466a1	SD	SD/PD	IC0	IC0	TC0	desert	NA		M	WHITE	Y	1 PREVIOUS	Visceral	1-2 years	other	Y	N	1.0980392	1.2614358	17.281314	0 MS1b	UroA	I	Bladder	Ca/BLCA	
SAMabca151b01ea3	PD	SD/PD	IC1	IC1	TC0	excluded	NA		F	WHITE	N	1 NEVER	Liver	(less than) 1bladder	Y	N	NA	0.74401	0.5585216		1 MS2b2.2	Basal/SCC-IV		Bladder	Ca/BLCA	
SAMc1eb5e4988760	CR	CR/PR	IC2	IC2+	TC0	inflamed			14	M	WHITE	N	0 PREVIOUS	Liver	1-2 years	bladder	Y	Y	2.2745098	1.2064794	21.059548	0 MS2b1	Infiltrated I		Bladder	Ca/BLCA
SAMe3210d3632b4	PD	SD/PD	IC2	IC2+	TC2+	inflamed			17	F	WHITE	Y	1 NEVER	LN Only	(less than) 1NA	Y	N	0.8627451	1.1802343	2.1683778	1 MS2b2.2	Basal/SCC-III		Bladder	Ca/BLCA	
SAMb15ad09d4e24	PD	SD/PD	IC2	IC2+	TC2+	excluded			4	F	WHITE	N	0 NEVER	LN Only	(less than) 1bladder	Y	Y	NA	1.1794569	3.8767977		1 MS2b1	Infiltrated IV		Bladder	Ca/BLCA
SAM7893196e0e89	PD	SD/PD	IC0	IC0	TC0	NA	NA		5	M	ASIAN	N	1 PREVIOUS	Visceral	(less than) 1bladder	Y	N	0.9411765	1.5483966	2.661191	1 MS2b2.2	Basal/SCC-III		Bladder	Ca/BLCA	
SAM346449fb81	NE	NA	IC2	IC2+	TC0	inflamed	NA		M	WHITE	Y	1 NEVER	LN Only	(less than) 1bladder	Y	N	0.9803922	0.8950247	0.7556468	1 MS2b2.1	UroB	I	Bladder	Ca/BLCA		
SAM961d04c42bd9	PD	SD/PD	IC0	IC0	TC0	excluded			17	M	WHITE	N	1 CURRENT	Visceral	(less than) 1bladder	Y	N	1.7254902	1.5462051	5.8809035	1 MS2a1	GenomicalI		Bladder	Ca/BLCA	
SAMB0d11ab9aa79	PD	SD/PD	IC2	IC2+	TC0	inflamed			3	F	WHITE	N	0 NEVER	Visceral	1-2 years	lung	Y	N	0.8431373	1.268973	10.546201	1 MS2b2.1	UroB	I	Bladder	Ca/BLCA
SAM19fc8c63b3bd	PD	SD/PD	IC2	IC2+	TC2+	excluded			5	M	WHITE	Y	0 PREVIOUS	Liver	(less than) 1bladder	Y	Y	0.4313725	0.6316679	9.889117	1 MS2b2.2	Basal/SCC-III		Bladder	Ca/BLCA	
SAM6083aac8db99	PR	CR/PR	IC1	IC1	TC0	inflamed			14	M	WHITE	N	0 PREVIOUS	Visceral	(less than) 1bladder	Y	Y	NA	1.8495361	20.632444		0 MS2a2	GenomicalIII		Bladder	Ca/BLCA
SAM7ec2b6e4d46b3	NE	NA	IC0	IC0	TC0	excluded			36	M	WHITE	Y	1 PREVIOUS	Visceral	1-2 years	kidney	Y	Y	6.8039216	1.4332449	1.7084189	1 MS1b	UroA	I	Bladder	Ca/BLCA
SAMa90d73f8d891	PD	SD/PD	IC0	IC0	TC0	NA			12	M	WHITE	N	0 PREVIOUS	Visceral	(less than) 1other	Y	N	0.7254902	0.8486794	1.0184805	1 MS2b2.2	Basal/SCC-III		Bladder	Ca/BLCA	
SAMaf272833538	NE	NA	IC2	IC2+	TC0	excluded			5	M	WHITE	Y	1 NEVER	Liver	(less than) 1kidney	Y	Y	1.2745098	1.308997	2.1355236	1 MS2a2	GenomicalII		Bladder	Ca/BLCA	
SAM415f36ad349c	PD	SD/PD	IC1	IC1	TC0	excluded	NA		M	WHITE	N	0 PREVIOUSLN	Only	1-2 years	bladder	Y	N	0.4313725	1.0984592	17.971253	1 MS2b2.2	Basal/SCC-IV		Bladder	Ca/BLCA	
SAM7c67b05aa109	SD	SD/PD	IC0	IC0	TC1	NA			5	F	WHITE	N	0 NEVER	Visceral	1-2 years	bladder	Y	Y	0.5294118	1.1752527	8.2464066	1 MS1b	UroA	I	Bladder	Ca/BLCA
SAMad83c9c53537	PD	SD/PD	IC1	IC1	TC0	NA			6	M	WHITE	N	0 PREVIOUS	Visceral	1-2 years	kidney	Y	Y	0.745098	1.296952	14.98152	0 MS1a	UroA	I	Bladder	Ca/BLCA
SAM3e8baff50d7a	SD	SD/PD	IC0	IC0	TC0	desert			11	M	WHITE	Y	0 NEVER	Liver	1-2 years	kidney	Y	N	1.2156863	1.6954341	6.9650924	1 MS2a1	GenomicalIII		Bladder	Ca/BLCA
SAM3ec5dc89840	PD	SD/PD	IC0	IC0	TC0	desert	NA		M	WHITE	Y	0 CURRENT	Visceral	1-2 years	bladder	Y	N	NA	0.9321791	8.7063655		1 MS2b2.1	UroB	I	Bladder	Ca/BLCA
SAM8a1b0e02ee42	CR	CR/PR	IC0	IC0	TC0	desert			14	M	ASIAN	N	0 NEVER	LN Only	1-2 years	bladder	Y	Y	0.8431373	1.7968415	20.566735	0 MS2a1	GenomicalIII		Bladder	Ca/BLCA
SAMd7457ec3a863	CR	CR/PR	IC2	IC2+	TC0	inflamed			24	M	WHITE	N	1 PREVIOUS	NA	(less than) 1bladder	Y	NA	NA	1.1288941	20.271047		0 MS2b2.2	Basal/SCC-IV		Bladder	Ca/BLCA
SAMeb29625f76a5	PD	SD/PD	IC1	IC1	TC0	excluded			2	M	WHITE	N	1 PREVIOUS	Visceral	1-2 years	kidney	Y	Y	0.0588235	1.3360582	3.1211499	1 MS1b	UroA	I	Bladder	Ca/BLCA
SAM563d6233dfa2	PD	SD/PD	IC0	IC0	TC0	NA	NA		M	WHITE	N	1 PREVIOUS	Liver	(less than) 1bladder	Y	N	0.6078431	0.9777042	2.1355236	1 MS1a	UroA	IV	Bladder	Ca/BLCA		
SAM4581bac493af	NE	NA	IC2	IC2+	TC0	NA			16	M	WHITE	N	0 NEVER	LN Only	(less than) 1bladder	Y	Y	3	0.9869333	20.041068		0 MS2a2	GenomicalIII		Bladder	Ca/BLCA
SAMa1871f491b02	PD	SD/PD	IC0	IC0	TC0	desert	NA		F	WHITE	N	1 NEVER	Liver	more than 2bladder	Y	Y	3.3333333	1.6295938	1.7412731	1 MS1b	UroA	I	Bladder	Ca/BLCA		
SAM30e07d4874f	PD	SD/PD	IC1	IC1	TC0	excluded	NA		M	WHITE	N	1 NEVER	Liver	1-2 years	bladder	Y	N	NA	1.337513	11.663244		1 MS2b1	Infiltrated II		Bladder	Ca/BLCA
SAM31291c256373	NE	NA	IC1	IC1	TC0	inflamed			32	M	WHITE	Y	1 CURRENT	Visceral	(less than) 1other	Y	N	3.2156863	1.3903369	11.498973	1 MS2b1	Infiltrated II		Bladder	Ca/BLCA	
SAMd135d5867fe3	PD	SD/PD	IC2	IC2+	TC2+	excluded			3	M	WHITE	Y	1 PREVIOUS	Visceral	1-2 years	bladder	Y	Y	0.6078431	1.0308211	3.613963	1 MS2b2.2	Basal/SCC-IV		Bladder	Ca/BLCA
SAM9e11ec0bea80	SD	SD/PD	IC2	IC2+	TC2+	inflamed			10	M	WHITE	N	1 PREVIOUS	Visceral	more than 2bladder	Y	N	NA	1.3953676	15.408624		1 MS2b2.2	Basal/SCC-IV		Bladder	Ca/BLCA
SAM065890737112	CR	CR/PR	IC2	IC2+	TC0	inflamed			8	M	WHITE	Y	0 PREVIOUSLN	Only	(less than) 1bladder	Y	Y	NA	1.4387378	20.073922		0 MS1b	UroA	I	Bladder	Ca/BLCA
SAMB470cb8f04bc	CR	CR/PR	IC2	IC2+	TC0	excluded			35	M	WHITE	N	0 NEVER	LN Only	more than 2bladder	Y	Y	NA	1.4381163	20.073922		0 MS1b	UroA	I	Bladder	Ca/BLCA
SAM675a1a209c15	PD	SD/PD	IC1	IC1	TC0	desert			13	M	WHITE	N	0 PREVIOUS	Liver	1-2 years	bladder	Y	N	1.254902	0.8745364	2.8911704	1 MS1a	UroA	I	Bladder	Ca/BLCA
SAM1e9c4d1d39ac	PD	SD/PD																								

SAM28e6031ac18b	SD	SD/PD	IC0	IC0	TC0	desert	NA	22 M	WHITE	N	1 CURRENT	Liver	(less than) bladder	Y	N	NA	1.364038	9.2320329	1 MS1a	UroA	I	Bladder Ca	BLCA
SAM486389d0d768	PD	SD/PD	IC0	IC0	TC0	desert	NA	M	WHITE	N	1 PREVIOUS	Visceral	(less than) bladder	Y	N	1.4117647	0.7898021	2.201232	1 MS1b	UroA	I	Bladder Ca	BLCA
SAM63b2189c36d7	PD	SD/PD	IC0	IC0	TC0	desert	NA	14 M	WHITE	N	1 CURRENT	Liver	more than bladder	Y	Y	0.9803922	1.2014053	3.9753593	1 MS1b	UroA	I	Bladder Ca	BLCA
SAM18bc5b395318	PD	SD/PD	IC2	IC2+	TC1	excluded	NA	5 M	WHITE	N	1 PREVIOUS	Liver	(less than) bladder	Y	Y	0.4705882	0.9653046	9.0020534	1 MS2a1	GenomicalIV		Bladder Ca	BLCA
SAM0d855cf6f4c6	PD	SD/PD	IC1	IC1	TC1	desert	NA	4 F	WHITE	N	1 CURRENT	Visceral	(less than) bladder	Y	Y	0.1372549	1.1330218	2.8583162	1 MS2b2.1	Basal/SCC-IV		Bladder Ca	BLCA
SAM6c6c10abddb0	PD	SD/PD	IC2	IC2+	TC0	inflamed	NA	3 M	WHITE	N	1 NEVER	LN Only	(less than) bladder	Y	Y	0.9607843	0.9335443	5.9466119	1 MS2b2.2	Basal/SCC-III		Bladder Ca	BLCA
SAMdee1011782cd	PD	SD/PD	IC1	IC1	TC0	NA	NA	M	WHITE	N	1 NEVER	Visceral	(less than) lymph node	Y	Y	NA	0.88244	3.9096509	1 MS2b1	Infiltrated I		Bladder Ca	BLCA
SAMe947577504b	SD	SD/PD	IC1	IC1	TC0	excluded	NA	M	WHITE	N	0 NEVER	Liver	1-2 years bladder	Y	Y	NA	0.7214688	18.661191	0 MS2b1	Infiltrated IV		Bladder Ca	BLCA
SAMa535fcd18a0	PR	CR/PR	IC0	IC0	TC0	NA	NA	19 M	WHITE	N	1 PREVIOUS	NA	1-2 years bladder	Y	Y	0.8823529	0.8992241	17.281314	0 MS1b	UroA	I	Bladder Ca	BLCA
SAM7746b76437e6	NE	NA	IC0	IC0	TC0	desert	NA	5 M	WHITE	N	1 PREVIOUS	Liver	1-2 years bladder	Y	Y	0.3921569	1.6659322	2.825462	1 MS1b	UroA	I	Bladder Ca	BLCA
SAM548551ef782c	PR	CR/PR	IC0	IC0	TC0	desert	NA	11 M	WHITE	N	1 NEVER	Liver	1-2 years bladder	Y	Y	1.8235294	1.9540179	17.281314	0 MS2a1	GenomicalIV		Bladder Ca	BLCA
SAM203dcf14f927	CR	CR/PR	IC1	IC1	TC1	inflamed	NA	13 M	WHITE	N	1 CURRENT	LN Only	more than bladder	Y	Y	2.3921569	1.4474569	19.351129	0 MS2a2	GenomicalIII		Bladder Ca	BLCA
SAMe41b1c773582	PD	SD/PD	IC1	IC1	TC0	excluded	NA	6 M	WHITE	N	1 NEVER	NA	(less than) bladder	Y	Y	0.4705882	1.4048011	0.8542094	1 MS2b2.2	Basal/SCC-III		Bladder Ca	BLCA
SAM978a587b207c	PD	SD/PD	IC0	IC1	TC2+	excluded	NA	M	WHITE	N	0 CURRENT	LN Only	(less than) bladder	Y	N	1.9215686	1.0428693	2.1026694	1 MS2a2	GenomicalIII		Bladder Ca	BLCA
SAM5234688806a7	PD	SD/PD	IC0	IC0	TC0	desert	NA	13 M	WHITE	N	1 PREVIOUS	Liver	more than kidney	Y	Y	0.3137255	0.3565374	5.8809035	1 MS1b	UroA	I	Bladder Ca	BLCA
SAM2c9586161cc6	PD	SD/PD	IC1	IC1	TC0	desert	NA	9 M	WHITE	N	0 NEVER	Visceral	1-2 years bladder	Y	Y	0.4313725	1.4851796	11.268994	1 MS1b	UroA	I	Bladder Ca	BLCA
SAM76a431ba6c2b	PD	SD/PD	IC1	IC1	TC0	inflamed	NA	6 M	WHITE	N	0 NEVER	Visceral	(less than) kidney	N	NA	0.2156863	0.8047688	14.12731	1 MS2b1	Infiltrated III		Bladder Ca	BLCA
SAM7a9093b97e9	NE	NA	IC0	IC0	TC0	desert	NA	1 M	WHITE	N	1 NEVER	NA	1-2 years kidney	Y	Y	0.2156863	0.8219233	1.8069815	0 MS2b1	Infiltrated II		Bladder Ca	BLCA
SAM8f2275c36e8c	SD	SD/PD	IC1	IC1	TC0	desert	NA	5 M	WHITE	N	0 NEVER	Visceral	1-2 years bladder	Y	Y	NA	1.631054	20.731006	0 MS1b	UroA	I	Bladder Ca	BLCA
SAMab8052a03398	SD	SD/PD	IC2	IC2+	TC0	inflamed	NA	M	WHITE	N	1 NEVER	LN Only	(less than) lymph node	Y	N	0.0392157	0.767621	13.305955	1 MS2b1	Infiltrated III		Bladder Ca	BLCA
SAMd3b4d7996035	CR	CR/PR	IC2	IC2+	TC0	excluded	NA	7 M	WHITE	N	0 PREVIOUS	LN Only	more than lymph node	Y	Y	1.5686275	1.335883	20.829569	0 MS2a2	GenomicalIII		Bladder Ca	BLCA
SAMd4c3e9b26b2	NE	NA	IC0	IC0	TC0	excluded	NA	F	WHITE	Y	1 PREVIOUS	NA	1-2 years bladder	Y	Y	NA	1.3400734	1.9383984	1 MS2b1	Infiltrated II		Bladder Ca	BLCA
SAM753d4bb52dbe	SD	SD/PD	IC1	IC1	TC0	excluded	NA	7 M	WHITE	N	1 CURRENT	Visceral	(less than) ureter	Y	Y	NA	1.5230801	11.367556	1 MS2b1	Infiltrated I		Bladder Ca	BLCA
SAMd3601288319e	CR	CR/PR	IC2	IC2+	TC0	excluded	NA	14 M	OTHER	N	0 PREVIOUS	LN Only	1-2 years other	Y	N	0.7843137	0.9695397	23.129363	0 MS2a1	GenomicalIII		Bladder Ca	BLCA
SAM59f3928645d	SD	SD/PD	IC2	IC2+	TC0	excluded	NA	14 M	OTHER	N	0 PREVIOUS	LN Only	more than bladder	Y	N	NA	1.0260164	17.774127	1 MS2b1	Infiltrated II		Bladder Ca	BLCA
SAM26104d5ad89	SD	SD/PD	IC0	IC0	TC0	excluded	NA	1 M	ASIAN	Y	1 PREVIOUS	Visceral	(less than) bladder	N	NA	0.2745098	0.958124	5.3880903	1 MS1a	UroA	III	Bladder Ca	BLCA
SAMb1a134b5a060	PD	SD/PD	IC2	IC2+	TC0	inflamed	NA	5 M	WHITE	N	0 NEVER	Visceral	(less than) bladder	Y	N	0.9019608	1.0230179	12.845996	1 MS2b2.2	Basal/SCC-III		Bladder Ca	BLCA
SAM18a4dabbe557	PD	SD/PD	IC2	IC2+	TC2+	excluded	NA	18 M	WHITE	N	1 PREVIOUS	Visceral	1-2 years bladder	Y	Y	2.0392157	1.5142254	16.459959	1 MS2a2	GenomicalIII		Bladder Ca	BLCA
SAM7baec7e0bc62	PR	CR/PR	IC2	IC2+	TC2+	inflamed	NA	M	WHITE	N	1 PREVIOUS	NA	(less than) bladder	Y	Y	5.9215686	1.6024372	22.537988	0 MS2b2.2	Basal/SCC-IV		Bladder Ca	BLCA
SAMfed609955db9	PD	SD/PD	IC2	IC2+	TC2+	desert	NA	7 F	WHITE	N	0 NEVER	Visceral	(less than) bladder	Y	Y	0.3529412	1.0412919	20.566735	0 MS1b	UroA	I	Bladder Ca	BLCA
SAMb8070b7937e7	SD	SD/PD	IC1	IC1	TC0	desert	NA	5 M	WHITE	Y	0 PREVIOUS	Liver	(less than) bladder	Y	Y	0.3333333	0.9213601	21.026694	1 MS1b	UroA	I	Bladder Ca	BLCA
SAM2f2aee14436f7	PD	SD/PD	IC1	IC1	TC0	desert	NA	7 F	WHITE	N	0 NEVER	Visceral	1-2 years bladder	Y	Y	0.8039216	1.4567294	10.349076	1 MS1b	UroA	III	Bladder Ca	BLCA
SAM2bba8cb35e48	PD	SD/PD	IC0	IC0	TC0	excluded	NA	11 M	WHITE	N	1 PREVIOUS	Liver	more than bladder	Y	Y	1.2941176	0.800619	10.480493	1 MS2b1	Infiltrated II		Bladder Ca	BLCA
SAM5c0ee0a8c05b4	NE	NA	IC1	IC1	TC1	excluded	NA	7 M	WHITE	N	1 PREVIOUS	Liver	more than bladder	Y	Y	1.3725459	1.5152008	16.755647	1 MS2a1	GenomicalIII		Bladder Ca	BLCA
SAM5c139c5c1c4f	PD	SD/PD	IC2	IC2+	TC0	excluded	NA	5 M	WHITE	N	1 PREVIOUS	Liver	more than bladder	Y	Y	NA	0.6551373	7.2279261	1 MS2b2.1	UroB	III	Bladder Ca	BLCA
SAMc1251c7bfce2	PR	CR/PR	IC2	IC2+	TC0	excluded	NA	5 M	WHITE	N	0 PREVIOUS	Visceral	(less than) bladder	Y	Y	1.0980392	1.6358917	21.61807	0 MS2a2	GenomicalIV		Bladder Ca	BLCA
SAM6780ed436b55	PD	SD/PD	IC2	IC2+	TC0	inflamed	NA	14 F	WHITE	N	1 PREVIOUS	Visceral	more than bladder	Y	Y	2.5490196	1.1277506	6.2422998	1 MS2b2.2	Basal/SCC-III		Bladder Ca	BLCA
SAM85f0a3ac1c45	PD	SD/PD	IC2	IC2+	TC0	excluded	NA	8 M	WHITE	N	1 CURRENT	Visceral	1-2 years lung	Y	Y	0.2745098	1.1247386	5.8480493	1 MS1b	UroA	III	Bladder Ca	BLCA
SAM9d2494119c05	PD	SD/PD	IC0	IC0	TC0	NA	NA	M	WHITE	N	1 NEVER	Liver	(less than) liver	Y	N	NA	0.9584474	1.4455852	1 MS1b	UroA	I	Bladder Ca	BLCA
SAM9410b866974d	SD	SD/PD	IC0	IC0	TC0	NA	NA	M	WHITE	N	1 NEVER	LN Only	1-2 years bladder	Y	N	NA	1.4674834	6.7351129	1 MS2b1	Infiltrated IV		Bladder Ca	BLCA
SAM54989c86255c	PD	SD/PD	IC1	IC1	TC0	desert	NA	13 F	UNKNOWN	N	1 PREVIOUS	Liver	(less than) bladder	Y	N	1.4117647	0.8128341	3.449692	1 MS2a2	GenomicalIII		Bladder Ca	BLCA
SAM27299aed7681	PR	CR/PR	IC1	IC1	TC0	excluded	NA	8 F	UNKNOWN	Y	0 NEVER	NA	1-2 years bladder	Y	Y	0.745098	1.8643605	18.858316	0 MS1b	UroA	I	Bladder Ca	BLCA
SAM49448750e294	PD	SD/PD	IC1	IC1	TC0	excluded	NA	0 M	UNKNOWN	N	0 PREVIOUS	Visceral	1-2 years bladder	Y	Y	0.6078431	1.1049738	9.8562628	1 MS2b1	Infiltrated II		Bladder Ca	BLCA
SAMd43f8933066b	PR	CR/PR	IC1	IC1	TC0	inflamed	NA	15 M	UNKNOWN	N	0 PREVIOUS	Visceral	more than bladder	Y	Y	1.8823529	0.9034526	20.008214	0 MS2b1	Infiltrated II		Bladder Ca	BLCA
SAM7aa01fe49a80	PD	SD/PD	IC1	IC1	TC0	excluded	NA	M	WHITE	N	1 PREVIOUS	Liver	more than bladder	N	NA	1.0392157	1.063461	2.1355236	1 MS2b1	Infiltrated II		Bladder Ca	BLCA
SAM0257fbbbd388	SD	SD/PD	IC1	IC1	TC0	excluded	NA	18 M	WHITE	N	1 PREVIOUS	Visceral	more than bladder	Y	Y	4.6862745	1.5676777	15.638604	1 MS2a1	GenomicalIII		Bladder Ca	BLCA
SAMe919aeb7fdd	PR	CR/PR	IC2	IC2+	TC0	inflamed	NA	3 M	WHITE	N	0 NEVER	LN Only	1-2 years bladder	Y	Y	0.6078431	0.6171654	20.731006	0 MS2b1	Infiltrated IV		Bladder Ca	BLCA
SAMa321770ac31c	PD	SD/PD	IC2	IC2+	TC0	excluded	NA	8 M	WHITE	N	0 PREVIOUS	Visceral	(less than) lymph node	Y	N	1.4117647	1.388588	7.063655	0 MS2b2.2	Basal/SCC-II		Bladder Ca	BLCA
SAM3894ac3956a5	PD	SD/PD	IC1	IC1	TC0	excluded	NA	5 M	WHITE	N	0 PREVIOUS	Visceral	(less than) bladder	Y	Y	NA	1.9056578	2.1026694	0 MS1b	UroA	I	Bladder Ca	BLCA
SAM3779c9799db6b	NE	NA	IC1	IC1	TC0	excluded	NA	M	WHITE	N	0 CURRENT	Visceral	more than bladder	Y	Y	NA	1.4222534	1.3141684	1 MS1a	UroA	I	Bladder Ca	BLCA
SAM1e0ecfb3eb63	PD	SD/PD	IC2	IC2+	TC0	excluded	NA	F	WHITE	N	0 PREVIOUS	Liver	(less than) bladder	Y	NA	NA	1.1657915	5.8480493	1 MS2b2.2	Basal/SCC-III		Bladder Ca	BLCA
SAMb91f27e7f9b	NE	NA	IC2	IC2+	TC0	excluded	NA	3 M	WHITE	N	0 PREVIOUS	Liver	1-2 years kidney	Y	Y	NA	0.7785956	0.5913758	1 MS2b1	Infiltrated I		Bladder Ca	BLCA
SAMbcb07ba81cee	PD	SD/PD	IC2	IC2+	TC0	excluded	NA	M	WHITE	N	0 PREVIOUS	Liver	more than bladder	Y	Y	NA	0.3524916	5.2597741	1 MS2b2.2	Basal/SCC-III		Bladder Ca	BLCA
SAM9aa6a095a9d6	PD	SD/PD	IC1	IC1	TC0	excluded	NA	5 M	WHITE	Y	0 PREVIOUS	NA	more than kidney	Y	Y	0.6470588	0.8822393	8.8377823	1 MS2b2.1	UroB	I	Bladder Ca	BLCA
SAM957378b4907f	PD	SD/PD	IC0	IC0	TC0	excluded	NA	M	WHITE	N	0 PREVIOUS	Liver	1-2 years ureter	Y	N	0.1960784	0.8701417	2.2340862	1 MS2b1	Infiltrated II		Bladder Ca	BLCA
SAMf82bbdc267c8	PD	SD/PD	IC0	IC0	TC0	desert	NA	7 M	WHITE	N	0 CURRENT	Visceral	1-2 years kidney	Y	Y	0.5294118	1.1718074	3.1211499	1 MS1b	UroA	I	Bladder Ca	BLCA
SAM2624229effe8	PD	SD/PD	IC0	IC0	TC0	excluded	NA	6 M	WHITE	N	1 PREVIOUS	Visceral	more than bladder	Y	Y	0.4313725	0.5678449	2.5626283	1 MS2b1	Infiltrated I		Bladder Ca	BLCA
SAMd42492ba31bb	PD	SD/PD	IC2	IC2+	TC2+	desert	NA	3 F	WHITE	N	0 NEVER	LN Only	(less than) lymph node	Y	N	0.4901961	0.8248836	7.8521561	1 MS2b2.2	Basal/SCC-III		Bladder Ca	BLCA
SAM67064e105b5	CR	CR/PR	IC2	IC2+	TC0	excluded	NA	15 F	WHITE	N	0 NEVER	LN Only	(less than) bladder	Y	Y	2.6862745	1.1488853	22.078029	0 MS2b2.2	Basal/SCC-I		Bladder Ca	BLCA
SAM91c47b054fbb	PR	CR/PR	IC2	IC2+	TC0	inflamed	NA	49 M	WHITE	Y	0 PREVIOUS	Visceral	(less than) bladder	Y	N	2.7058824	1.10269	17.01848	1 MS2a1	GenomicalIII		Bladder Ca	BLCA
SAM491c341d5a82	NE	NA	IC1	IC1	TC0	desert	NA	13 F	WHITE	N	0 NEVER	Visceral	more than bladder	Y	Y	NA	0.978218	1.8726899	1 MS2a1	GenomicalIII		Bladder Ca	BLCA
SAM5fc7a81a39ad	PD	SD/PD	IC2	IC2+	TC0	inflamed	NA	21 M	WHITE	Y													

SAM8e469834acc1	PD	SD/PD	IC1	IC1	TC0	excluded	6 M	WHITE	N	1 NEVER Liver	more than 2bladder	Y	Y	NA	0.9785567	3.7125257	1 MS1a	UroA	I	Bladder Ca	BLCA
SAM8e43e9ca3f07	NE	NA	IC1	IC1	TC0	excluded	4 F	WHITE	N	0 PREVIOUS Liver	(less than) 1bladder	Y	Y	NA	1.3920426	0.4928131	1 MS2a1	GenomicalIII		Bladder Ca	BLCA
SAM12502d970c10	SD	SD/PD	IC2	IC2+	TC0	inflamed	10 M	WHITE	N	0 PREVIOUS Visceral	more than 2kidney	Y	Y	1.0784314	0.7126916	7.3921971	1 MS1b	UroA	I	Bladder Ca	BLCA
SAM9681450bbe90	NE	NA	IC2	IC2+	TC0	inflamed	21 M	WHITE	N	1 PREVIOUS Visceral	more than 2bladder	Y	Y	NA	1.1828728	4.9609856	1 MS2b1	Infiltrated	III	Bladder Ca	BLCA
SAM7d7c54623618	PR	CR/PR	IC0	IC0	TC0	excluded	8 M	WHITE	N	0 CURRENT Liver	(less than) 1bladder	Y	N	2.0980392	1.1321011	21.223819	0 MS2a1	GenomicalIII		Bladder Ca	BLCA
SAM181b638828428	PD	SD/PD	IC2	IC2+	TC2+	excluded	NA	WHITE	N	1 CURRENT Liver	(less than) 1kidney	Y	Y	0.2156863	0.8850555	10.874743	1 MS2b1	Infiltrated	IV	Bladder Ca	BLCA
SAM1bdfbf97e446	SD	SD/PD	IC1	IC1	TC2+	excluded	6 F	WHITE	N	1 CURRENT Visceral	(less than) 1bladder	Y	Y	1.4509804	1.2931396	6.7022587	1 MS2b2.2	Basal/SCC-IV		Bladder Ca	BLCA
SAM3b15b4e6311d	CR	CR/PR	IC2	IC2+	TC2+	inflamed	44 M	WHITE	N	1 NEVER Visceral	more than 2bladder	Y	Y	5.8235294	1.598227	21.453799	0 MS2b2.2	Basal/SCC-III		Bladder Ca	BLCA
SAM00b9e5c52da9	NE	NA	IC1	IC1	TC0	excluded	NA	WHITE	Y	1 PREVIOUS Visceral	1-2 years bladder	Y	Y	NA	1.2170723	1.9055441	1 MS2b2.1	UroB	III	Bladder Ca	BLCA
SAM59b825252c0d	NE	NA	IC1	IC1	TC0	NA	15 M	WHITE	N	1 NEVER LN Only	more than 2lymph node	Y	N	NA	2.55122	0.5256674	1 MS2b2.2	Basal/SCC-III		Bladder Ca	BLCA
SAM1c8b086175ca	PD	SD/PD	IC0	IC0	TC0	excluded	7 M	WHITE	N	0 PREVIOUS Visceral	more than 2bladder	Y	Y	0.5490196	0.6377364	20.76386	1 MS2b1	Infiltrated	I	Bladder Ca	BLCA
SAMeaa477a5384b	CR	CR/PR	IC2	IC2+	TC0	inflamed	14 M	WHITE	N	0 PREVIOUSNA	more than 2bladder	Y	Y	2.7647059	1.1199141	21.585216	0 MS2b2.1	UroB	I	Bladder Ca	BLCA
SAM1dda30f1c5be	PD	SD/PD	IC1	IC1	TC0	desert	20 M	WHITE	N	0 PREVIOUSNA	1-2 years bladder	Y	Y	4.0196078	1.37136	21.256674	0 MS2b1	Infiltrated	II	Bladder Ca	BLCA
SAM9eebdef2858a	NE	NA	IC1	IC1	TC0	excluded	NA	WHITE	N	1 NEVER Liver	more than 2bladder	Y	Y	NA	0.6207374	0.8213552	1 MS2a1	GenomicalIV		Bladder Ca	BLCA
SAM9daccacf18db	PD	SD/PD	IC0	IC0	TC0	desert	NA	WHITE	N	0 CURRENT Visceral	(less than) 1kidney	Y	Y	NA	0.5972494	16.459959	0 MS2b2.2	Basal/SCC-III		Bladder Ca	BLCA
SAM2eb07ded07f	PR	CR/PR	IC2	IC2+	TC0	inflamed	13 M	WHITE	Y	0 PREVIOUS Visceral	1-2 years bladder	Y	Y	1.1372549	0.30554	20.501027	0 MS2b1	Infiltrated	II	Bladder Ca	BLCA
SAM2551030d79	CR	CR/PR	IC0	IC0	TC0	desert	NA	WHITE	N	0 PREVIOUS Visceral	(less than) 1other	Y	N	1.8235294	1.785162	20.698152	0 MS2b2.1	Basal/SCC-III		Bladder Ca	BLCA
SAMbda79b955628	SD	SD/PD	IC2	IC2+	TC0	inflamed	20 F	WHITE	N	1 PREVIOUSNA	1-2 years bladder	Y	Y	1.254902	0.3732798	20.632444	0 MS2a2	GenomicalIII		Bladder Ca	BLCA
SAM9b94d48b0b02e	NE	NA	IC1	IC1	TC0	inflamed	5 M	WHITE	Y	1 PREVIOUS Liver	more than 2bladder	Y	Y	2.1176471	1.5839987	2.8911704	1 MS2a1	GenomicalIII		Bladder Ca	BLCA
SAMff41c4e8c08f	NE	NA	IC0	IC0	TC0	excluded	14 M	WHITE	N	0 PREVIOUS Visceral	(less than) 1bladder	Y	Y	NA	1.8724543	2.4640657	1 MS1a	UroA	I	Bladder Ca	BLCA
SAMe97f35a29d1b	NE	NA	IC0	IC0	TC0	desert	13 M	WHITE	N	1 PREVIOUS Visceral	(less than) 1bladder	Y	Y	NA	0.826934	0.8213552	0 MS1a	UroA	II	Bladder Ca	BLCA
SAM187e056d6a2a	PD	SD/PD	IC0	IC0	TC0	NA	NA	WHITE	N	0 CURRENT Visceral	(less than) 1lung	Y	N	NA	0.8381923	2.2997947	1 MS1b	UroA	I	Bladder Ca	BLCA
SAMb8c8d3a7b54e	PD	SD/PD	IC0	IC0	TC0	desert	7 F	WHITE	Y	1 PREVIOUS Visceral	(less than) 1bladder	N	NA	0.745098	1.0178079	14.75154	1 MS2a1	GenomicalIII		Bladder Ca	BLCA
SAM7b4000744a4	PR	CR/PR	IC0	IC0	TC0	NA	12 F	WHITE	N	1 NEVER Visceral	(less than) 1ureter	N	NA	NA	0.9789806	21.650924	0 MS2a1	GenomicalIV		Bladder Ca	BLCA
SAM568ce160ab49	SD	SD/PD	IC0	IC0	TC0	NA	NA	WHITE	Y	0 PREVIOUS Visceral	1-2 years bladder	Y	N	NA	0.3189927	12.845996	1 MS2b1	Infiltrated	III	Bladder Ca	BLCA
SAM14938611a2d3	PR	CR/PR	IC1	IC1	TC0	desert	38 M	WHITE	Y	2 PREVIOUS LN Only	1-2 years bladder	N	NA	6.6862745	1.15817	21.420945	0 MS2a1	GenomicalIII		Bladder Ca	BLCA
SAM1a87df750b9d	SD	SD/PD	IC1	IC1	TC0	excluded	8 M	WHITE	N	2 PREVIOUS Visceral	(less than) 1bladder	N	NA	1.1764706	0.9242222	5.3880903	1 MS2b2.1	Basal/SCC-III		Bladder Ca	BLCA
SAMea02629a977	PD	SD/PD	IC0	IC0	TC0	NA	NA	WHITE	N	0 PREVIOUS Liver	(less than) 1kidney	Y	N	NA	0.7722862	3.2525667	1 MS1b	UroA	II	Bladder Ca	BLCA
SAM47f646c3d9b6	SD	SD/PD	IC2	IC2+	TC0	inflamed	8 M	WHITE	N	0 PREVIOUS LN Only	(less than) 1bladder	N	NA	0.8039216	0.7616366	18.726899	0 MS2b1	Infiltrated	IV	Bladder Ca	BLCA
SAM7829a341b9f3	PD	SD/PD	IC2	IC2+	TC1	inflamed	3 M	WHITE	Y	1 PREVIOUSNA	(less than) 1bladder	N	NA	0.745098	0.7141024	3.8767967	1 MS2b2.2	Basal/SCC-IV		Bladder Ca	BLCA
SAM0f956c757453	PD	SD/PD	IC1	IC1	TC0	excluded	32 M	WHITE	Y	1 PREVIOUS Visceral	(less than) 1ureter	N	NA	4.0980392	0.7302443	10.414784	1 MS2b1	Infiltrated	II	Bladder Ca	BLCA
SAMa42c1541269	SD	SD/PD	IC2	IC2+	TC0	inflamed	14 M	WHITE	N	1 PREVIOUS Liver	(less than) 1bladder	N	NA	2.1960784	0.795428	5.5195072	0 MS2a2	GenomicalIII		Bladder Ca	BLCA
SAM09e84ec0f34	PD	SD/PD	IC0	IC0	TC0	inflamed	NA	WHITE	N	1 PREVIOUS Liver	(less than) 1NA	Y	N	NA	0.6619941	6.5051335	1 MS1b	UroA	I	Bladder Ca	BLCA
SAM75f38a49ff524	SD	SD/PD	IC1	IC1	TC0	inflamed	21 F	WHITE	N	1 PREVIOUSNA	(less than) 1bladder	N	NA	2.3921569	0.6578175	19.12115	0 MS2b2.1	UroB	III	Bladder Ca	BLCA
SAM95c70496ff5	NE	NA	IC2	IC2+	TC0	inflamed	NA	OTHER	N	0 NEVER Visceral	(less than) 1lymph node	Y	N	NA	0.5677525	0.3613963	1 MS2b1	Infiltrated	III	Bladder Ca	BLCA
SAM7edach3deb65	NE	NA	IC0	IC0	TC0	desert	NA	WHITE	Y	1 PREVIOUS LN Only	1-2 years kidney	N	NA	0.6470588	0.571193	18.004107	0 MS2a1	GenomicalIII		Bladder Ca	BLCA
SAMb2e4a082541a	PD	SD/PD	IC1	IC1	TC0	NA	NA	WHITE	N	1 NEVER Visceral	1-2 years bladder	Y	N	NA	0.7209244	4.3696099	1 MS2b1	Infiltrated	IV	Bladder Ca	BLCA
SAM771445e92421	CR	CR/PR	IC1	IC1	TC0	inflamed	NA	WHITE	N	0 NEVER LN Only	more than 2bladder	Y	N	0.2156863	0.4901461	19.416838	0 MS2b1	Infiltrated	III	Bladder Ca	BLCA
SAM59fda9035d1d	PD	SD/PD	IC0	IC0	TC0	NA	NA	WHITE	N	1 NEVER Visceral	(less than) 1NA	Y	N	NA	0.4937011	3.7453799	1 MS2b1	Infiltrated	IV	Bladder Ca	BLCA
SAM727c0e92a2a7	PR	CR/PR	IC2	IC2+	TC2+	NA	1 M	WHITE	Y	0 PREVIOUS LN Only	(less than) 1lymph node	N	NA	0.3333333	0.9559615	18.726899	0 MS2a2	GenomicalIII		Bladder Ca	BLCA
SAM6f2a102a99df	CR	CR/PR	IC2	IC2+	TC2+	NA	8 F	WHITE	N	1 NEVER NA	(less than) 1NA	N	NA	2.0784314	0.7434797	19.285421	0 MS2a2	GenomicalIII		Bladder Ca	BLCA
SAMe56c96c51190	PD	SD/PD	IC1	IC1	TC2+	excluded	5 F	WHITE	N	2 NEVER Liver	(less than) 1kidney	N	NA	0.0980392	0.809542	9.7577002	1 MS2b1	Infiltrated	III	Bladder Ca	BLCA
SAM2b672f4336c7	SD	SD/PD	IC0	IC0	TC0	desert	2 M	WHITE	N	0 NEVER Visceral	more than 2kidney	N	NA	0.1568627	0.5967541	15.310062	1 MS1b	UroA	I	Bladder Ca	BLCA
SAM1ab1b28d9f2b	PD	SD/PD	IC1	IC1	TC0	desert	13 F	WHITE	N	1 PREVIOUS Liver	more than 2ureter	N	NA	0.2941176	0.5499406	2.1026694	1 MS2a1	GenomicalIII		Bladder Ca	BLCA
SAM1bcc62d8290c	NE	NA	IC1	IC1	TC0	excluded	10 M	WHITE	Y	1 PREVIOUS Visceral	(less than) 1bladder	N	NA	1.4901961	0.8625537	18.628337	0 MS2a1	GenomicalIV		Bladder Ca	BLCA
SAM6662f51818f7	PD	SD/PD	IC1	IC1	TC0	inflamed	5 M	WHITE	N	0 PREVIOUS Liver	(less than) 1bladder	N	NA	0.4901961	0.9183822	19.285421	0 MS1a	UroA	I	Bladder Ca	BLCA
SAMe0c49eac0df5d	SD	SD/PD	IC1	IC1	TC0	excluded	2 F	WHITE	N	1 PREVIOUS Visceral	(less than) 1bladder	N	NA	NA	0.9118008	4.1396304	1 MS2b2.1	UroB	III	Bladder Ca	BLCA
SAM5289cca2c4299	NE	NA	IC1	IC1	TC0	excluded	4 M	WHITE	N	0 PREVIOUS Liver	(less than) 1kidney	N	NA	0.2352941	0.4384215	1.7084189	1 MS2b2.2	Basal/SCC-III		Bladder Ca	BLCA
SAM18b9351e265a	PD	SD/PD	IC2	IC2+	TC0	inflamed	7 M	BLACK ORN		2 PREVIOUS Liver	(less than) 1ureter	N	NA	0.3921569	0.7938952	15.868583	1 MS2b1	Infiltrated	III	Bladder Ca	BLCA
SAM7fb7a13c096b	PD	SD/PD	IC0	IC0	TC0	excluded	11 M	ASIAN	N	2 CURRENT Liver	(less than) 1kidney	N	NA	0.7647059	0.4837686	1.6755647	1 MS2b1	Infiltrated	II	Bladder Ca	BLCA
SAM87a8e18eb45b	PD	SD/PD	IC1	IC1	TC0	excluded	14 F	WHITE	N	2 NEVER Visceral	(less than) 1bladder	N	NA	0.3137255	1.0486112	2.7597536	1 MS1b	UroA	I	Bladder Ca	BLCA
SAM1f3e93814c89	NE	NA	IC0	IC0	TC0	excluded	5 M	WHITE	N	2 PREVIOUS Visceral	(less than) 1bladder	N	NA	1.1372549	0.6774598	1.4455852	1 MS2a2	GenomicalIII		Bladder Ca	BLCA
SAM5fc9ae0acd1f	NE	NA	IC2	IC2+	TC2+	inflamed	6 M	WHITE	N	2 PREVIOUS LN Only	(less than) 1bladder	N	NA	2.0196078	0.8817935	0.62423	1 MS2b2.2	Basal/SCC-IV		Bladder Ca	BLCA
SAM9725303dcec0c	PD	SD/PD	IC1	IC1	TC0	desert	22 M	WHITE	Y	1 NEVER Liver	more than 2bladder	N	NA	4.4313725	1.3073688	8.9034908	0 MS2a1	GenomicalIII		Bladder Ca	BLCA
SAM6ff654a20f98	CR	CR/PR	IC1	IC1	TC0	excluded	6 M	WHITE	N	0 PREVIOUSNA	(less than) 1kidney	N	NA	1.0392157	0.6739146	18.562628	0 MS2b1	Infiltrated	I	Bladder Ca	BLCA
SAM65afda25b920	SD	SD/PD	IC2	IC2+	TC2+	excluded	4 M	WHITE	Y	2 CURRENT Visceral	more than 2bladder	N	NA	0.2941176	0.2899377	8.0821355	1 MS2b1	Infiltrated	III	Bladder Ca	BLCA
SAMef0e3d2415fd	SD	SD/PD	IC2	IC2+	TC2+	inflamed	1 M	WHITE	N	0 PREVIOUS Visceral	(less than) 1lung	N	NA	0.0392157	0.4813453	10.119097	1 MS2b1	Infiltrated	IV	Bladder Ca	BLCA
SAM07a93a28f801	PR	CR/PR</																			

SAMcc7a42d87e9c	PR	CR/PR	IC2	IC2+	TC0	inflamed	26 F	WHITE	N	1 PREVIOUS	Visceral	(less than) Ureter	N	NA	4.9607843	0.7375228	17.215606	0 MS2a1	Genomicall	Bladder Ca	BLCA	
SAMcc39d79b441	PD	SD/PD	IC2	IC2+	TC0	inflamed	14 M	WHITE	N	0 PREVIOUS	Visceral	(less than) lbladder	N	NA	0.8431373	0.6837076	6.275154	1 MS2b2.2	Basal/SCC-IV	Bladder Ca	BLCA	
SAM75f12d1a55fc	SD	SD/PD	IC2	IC2+	TC0	inflamed	6 M	WHITE	N	0 PREVIOUS	Visceral	1-2 years lung	Y	N	0.3333333	0.7480559	14.75154	0 MS2b1	Infiltrated IV	Bladder Ca	BLCA	
SAM6964a6d7b967	PD	SD/PD	IC1	IC0	TC1	NA	5 M	WHITE	N	1 PREVIOUS	Visceral	(less than) lbladder	N	NA	1.1764706	0.8860162	16.262834	1 MS2a1	Genomicalll	Bladder Ca	BLCA	
SAM3b1066e5801b	SD	SD/PD	IC2	IC2+	TC0	excluded	2 M	WHITE	N	1 NEVER	LN Only	(less than) llymph node	Y	N	0.1764706	0.3867218	15.638604	0 MS2b1	Infiltrated IV	Bladder Ca	BLCA	
SAMf20b827dca51	PD	SD/PD	IC2	IC2+	TC0	inflamed	14 M	WHITE	N	0 NEVER	LN Only	(less than) lkidney	Y	N	1.0980392	0.8111415	4.3696099	1 MS2b1	Infiltrated II	Bladder Ca	BLCA	
SAM6792d6e98068	PD	SD/PD	IC2	IC2+	TC0	desert	17 M	BLACK OBY	N	2 PREVIOUS	Liver	(less than) lbladder	N	NA	1.1176471	1.0716011	6.0123203	1 MS1b	UroA I	Bladder Ca	BLCA	
SAM31d9176e11fb	CR	CR/PR	IC2	IC2+	TC1	inflamed	23 M	WHITE	Y	0 NEVER	LN Only	(less than) lbladder	N	NA	4.2352941	0.8115696	17.117043	0 MS2b2.1	UroB I	Bladder Ca	BLCA	
SAM04c589eb3fb3	NE	NA	IC1	IC1	TC0	NA	50 M	WHITE	N	2 NEVER	Visceral	(less than) lbladder	N	NA	NA	0.2122952	0.6899384	0 MS2b2.1	UroB III	Bladder Ca	BLCA	
SAM5cc2d9036053	PD	SD/PD	IC0	IC0	TC0	desert	11 M	WHITE	N	1 NEVER	LN Only	(less than) lbladder	N	NA	0.4117647	0.2643724	5.6837782	1 MS2b1	Infiltrated I	Bladder Ca	BLCA	
SAMb8101c538753	SD	SD/PD	IC2	IC2+	TC2+	inflamed	16 M	WHITE	N	1 PREVIOUS	Liver	(less than) lbladder	N	NA	3.7647059	0.5623446	13.404517	1 MS2b2.2	Basal/SCC-IV	Bladder Ca	BLCA	
SAM80c6183220e6	PD	SD/PD	IC1	IC1	TC0	inflamed	8 M	WHITE	N	0 CURRENT	LN Only	(less than) lkidney	N	NA	0.2156863	0.5419343	14.75154	0 MS2b2.2	Basal/SCC-III	Bladder Ca	BLCA	
SAM572f19794c96	CR	CR/PR	IC1	IC1	TC2+	excluded	33 M	WHITE	N	1 PREVIOUS	Visceral	1-2 years kidney	N	NA	5.5098039	0.678423	16.821355	0 MS2b2.2	Basal/SCC-III	Bladder Ca	BLCA	
SAM1abf01dd4544	PR	CR/PR	IC1	IC1	TC0	excluded	16 M	WHITE	N	2 PREVIOUS	Visceral	(less than) lkidney	N	NA	1.8627451	0.5074084	16.854209	0 MS2a2	Genomicalll	Bladder Ca	BLCA	
SAM183ebd6be9b	PD	SD/PD	IC1	IC1	TC0	desert	6 M	WHITE	N	1 NEVER	Liver	(less than) lkidney	N	NA	0.5490196	0.4723109	3.5154004	1 MS1b	UroA I	Bladder Ca	BLCA	
SAM1f66db567eb5	PR	CR/PR	IC2	IC2+	TC0	inflamed	38 M	WHITE	N	2 CURRENT	Liver	1-2 years bladder	Y	N	4.5098039	0.7319505	16.591376	0 MS2b2.2	Basal/SCC-III	Bladder Ca	BLCA	
SAM4918c524b83a	NE	NA	IC1	IC1	TC0	desert	14 M	WHITE	Y	2 CURRENT	Visceral	(less than) lbladder	N	NA	NA	0.7098706	0.62423	0 MS1b	UroA I	Bladder Ca	BLCA	
SAMa0ca029b7afd	NE	NA	IC0	IC0	TC0	NA	12 M	WHITE	N	1 PREVIOUS	Visceral	(less than) lNA	N	NA	0.745098	0.6420242	0.3613963	1 MS1b	UroA II	Bladder Ca	BLCA	
SAM6157c8f38b72	PR	CR/PR	IC1	IC1	TC0	desert	9 M	WHITE	N	0 PREVIOUS	Visceral	(less than) lbladder	N	NA	1.8039216	0.6707582	16.591376	0 MS2b1	Infiltrated I	Bladder Ca	BLCA	
SAMe7e4f7c076a7	PD	SD/PD	IC2	IC2+	TC2+	inflamed	1 M	WHITE	N	1 PREVIOUS	Visceral	(less than) lbladder	N	NA	0.1960784	0.8188558	1.9712526	1 MS2b2.2	Basal/SCC-IV	Bladder Ca	BLCA	
SAMbe25c2c88f3e	NE	NA	IC2	IC2+	TC1	NA	NA	M	WHITE	N	2 PREVIOUS	LN Only	(less than) llymph node	N	NA	NA	0.6968065	2.9240246	1 MS2b2.2	Basal/SCC-IV	Bladder Ca	BLCA
SAM4caab264e7fd	PR	CR/PR	IC1	IC1	TC0	excluded	59 M	WHITE	N	1 PREVIOUS	NA	1-2 years ureter	N	NA	11.686275	0.7901463	15.704312	0 MS1a	UroA III	Bladder Ca	BLCA	
SAMc6eff056c89a	PD	SD/PD	IC0	IC0	TC0	excluded	3 M	WHITE	N	1 PREVIOUS	LN Only	(less than) llymph node	N	NA	0.4509804	0.8758131	1.8069815	1 MS2b2.1	UroB III	Bladder Ca	BLCA	
SAM5cfa1699bdb7	PD	SD/PD	IC0	IC0	TC0	NA	10 M	WHITE	Y	0 PREVIOUS	Visceral	(less than) lliver	Y	N	1.2156863	0.7884063	15.835729	0 MS2b1	Infiltrated II	Bladder Ca	BLCA	
SAMda4d892d4d8	PD	SD/PD	IC1	IC1	TC0	NA	4 M	WHITE	N	0 PREVIOUS	Visceral	(less than) lkidney	N	NA	0.2745098	0.4214913	14.12731	0 MS2b1	Infiltrated IV	Bladder Ca	BLCA	
SAM3a1c9632ff7b	SD	SD/PD	IC0	IC0	TC0	NA	NA	M	WHITE	N	0 NEVER	Visceral	(less than) llung	N	NA	NA	0.6278213	16.032854	0 MS1b	UroA II	Bladder Ca	BLCA
SAM8b4b8b0f9e73	SD	SD/PD	IC1	IC1	TC0	excluded	7 M	WHITE	N	0 PREVIOUS	LN Only	(less than) lkidney	N	NA	1	0.5817361	15.671458	0 MS2b1	Infiltrated I	Bladder Ca	BLCA	
SAMe3d4266775a9	PD	SD/PD	IC0	IC0	TC0	NA	NA	M	WHITE	Y	0 PREVIOUS	Visceral	1-2 years bladder	Y	Y	NA	0.9337484	13.995893	0 MS1b	UroA I	Bladder Ca	BLCA
SAM2dc7effb5f72	NE	NA	IC1	IC1	TC2+	NA	NA	M	WHITE	Y	1 PREVIOUS	LN Only	1-2 years bladder	Y	Y	NA	0.4459105	1.8398357	1 MS2a1	Genomicalll	Bladder Ca	BLCA

Supplementary Figure 1

