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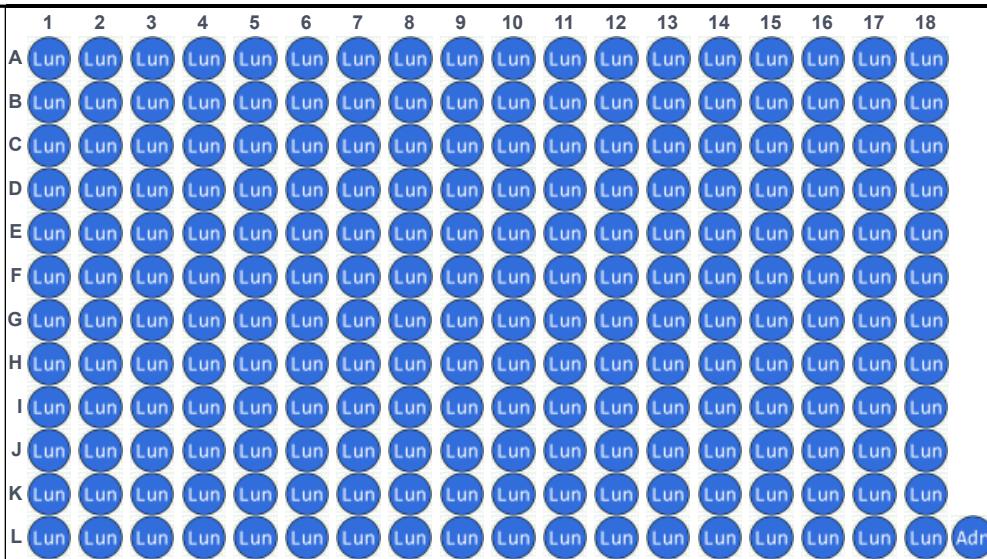
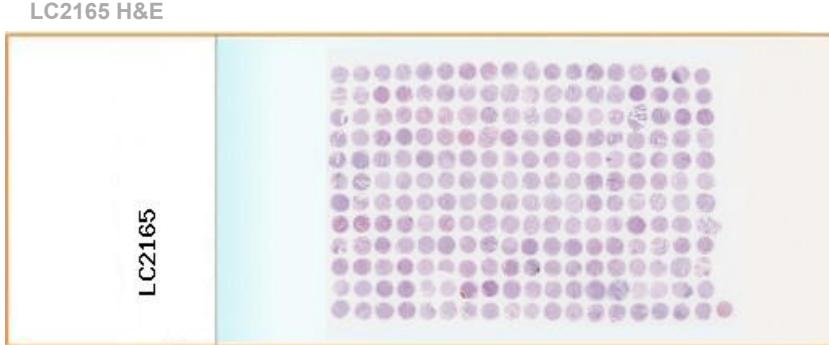
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LC2165 : Non-small cell lung cancer NSCLC tissue array (all samples are from 2006 to 2012), including TNM and pathology grade, with ALK results, 108 cases/216 cores(core size 1.0mm)

Microarray Panel	Non-small cell lung cancer tissue microarray, containing 42 cases squamous cell carcinoma, 54 adenocarcinoma, 8 adenosquamous carcinoma and 4 mucinous adenocarcinoma, duplicate cores per case
Cores	216
Cases	108
Row number	12
Column number	18
Core Diameter (mm)	1
Thickness (μm)	5
Quantity Control	H&E and IHC confirmed(P53)
Tissue Array Type	FFPE
Species	Human
Applications	Routine histology procedures including Immunohistochemistry (IHC) and In Situ Hybridization (ISH), protocols which can be found at our support page.
Notes	1. TMA slides were sectioned and stored at 4°C and may not be fresh cut, but still suitable for IHC. Please request fresh cut if experiment involves phospho-specific antibodies, RNA studies, FISH or ISH, etc. A minimum of 3 slides per TMA must be purchased to cover the cost of trimming for fresh sectioning. 2. Most TMA slides were not coated with an extra layer of paraffin (tissue cores can be easily seen on the glass). To prevent tissue detachment during antigen retrieval, unbaked slides must be baked for at least 30 to 120 minutes at 60°C. before putting into xylene for de-paraffinization. Baked slides were sent out baked for 2 hours. In the following specsheets, “**” means invalid core; “-” means no applicable or negative in IHC markers.



Legend:

Lun - Lung

● - Malignant tumor

, tissue IDs are available in exported Excel files.

Pos.	No.	Age	Sex	Organ/Anatomic Site	Pathology diagnosis	TNM	Grade	Stage	Type	ALK	Image
A1	1	48	M	Lung	Squamous cell carcinoma	T2N1M0	1		Malignant	-	
A2	2	48	M	Lung	Squamous cell carcinoma	T2N1M0	1		Malignant	-	
A3	3	64	M	Lung	Squamous cell carcinoma	T2N0M0	1		Malignant	-	
A4	4	64	M	Lung	Squamous cell carcinoma	T2N0M0	1		Malignant	-	
A5	5	69	M	Lung	Squamous cell carcinoma	T2N1M0	1		Malignant	-	
A6	6	69	M	Lung	Squamous cell carcinoma	T2N1M0	1		Malignant	-	
A7	7	58	M	Lung	Squamous cell carcinoma	T2N1M0	1		Malignant	-	
A8	8	58	M	Lung	Squamous cell carcinoma	T2N1M0	1		Malignant	-	
A9	9	54	M	Lung	Squamous cell carcinoma	T2N1M0	-		Malignant	-	

A10	10	54	M	Lung	Squamous cell carcinoma	T2N1M0	2		Malignant	-
A11	11	64	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
A12	12	64	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
A13	13	54	M	Lung	Squamous cell carcinoma	T2N1M0	2		Malignant	-
A14	14	54	M	Lung	Squamous cell carcinoma	T2N1M0	2		Malignant	-
A15	15	64	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
A16	16	64	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
A17	17	64	M	Lung	Squamous cell carcinoma (sparse)	T2N0M0	2		Malignant	-
A18	18	64	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
B1	19	47	M	Lung	Squamous cell carcinoma	T2N2M0	2		Malignant	-
B2	20	47	M	Lung	Squamous cell carcinoma	T2N2M0	2		Malignant	-
B3	21	64	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
B4	22	64	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
B5	23	59	M	Lung	Squamous cell carcinoma	T4N0M0	2		Malignant	-
B6	24	59	M	Lung	Squamous cell carcinoma with necrosis (sparse)	T4N0M0	2		Malignant	-
B7	25	65	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
B8	26	65	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
B9	27	68	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
B10	28	68	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
B11	29	64	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
B12	30	64	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
B13	31	44	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
B14	32	44	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
B15	33	37	F	Lung	Squamous cell carcinoma	T2N1M0	2		Malignant	+
B16	34	37	F	Lung	Squamous cell carcinoma	T2N1M0	2		Malignant	+
B17	35	63	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
B18	36	63	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
C1	37	49	M	Lung	Squamous cell carcinoma	T2N0M0	-		Malignant	
C2	38	49	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
C3	39	54	M	Lung	Squamous cell carcinoma	T2N0M0	-		Malignant	-
C4	40	54	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
C5	41	68	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
C6	42	68	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
C7	43	57	M	Lung	Squamous cell carcinoma	T2N1M0	-		Malignant	-
C8	44	57	M	Lung	Squamous cell carcinoma with necrosis	T2N1M0	2		Malignant	-
C9	45	59	M	Lung	Squamous cell carcinoma	T2N1M0	2--3		Malignant	-
C10	46	59	M	Lung	Squamous cell carcinoma	T2N1M0	2--3		Malignant	-
C11	47	58	M	Lung	Squamous cell carcinoma	T2N0M0	2--3		Malignant	-
C12	48	58	M	Lung	Squamous cell carcinoma	T2N0M0	2--3		Malignant	-
C13	49	70	M	Lung	Squamous cell carcinoma	T1N0M1	-		Malignant	-
C14	50	70	M	Lung	Squamous cell carcinoma	T1N0M1	2--3		Malignant	-
C15	51	58	F	Lung	Squamous cell carcinoma	T2N0M0	3		Malignant	+
C16	52	58	F	Lung	Squamous cell carcinoma	T2N0M0	3		Malignant	+
C17	53	64	M	Lung	Squamous cell carcinoma	T2N0M0	3		Malignant	-
C18	54	64	M	Lung	Squamous cell carcinoma	T2N0M0	3		Malignant	-
D1	55	64	F	Lung	Squamous cell carcinoma	T2N0M0	3		Malignant	-
D2	56	64	F	Lung	Squamous cell carcinoma	T2N0M0	3		Malignant	-
D3	57	62	M	Lung	Squamous cell carcinoma	T2N2M0	2		Malignant	-
D4	58	62	M	Lung	Squamous cell carcinoma	T2N2M0	2		Malignant	-
D5	59	67	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
D6	60	67	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
D7	61	41	M	Lung	Squamous cell carcinoma	T2N1M0	2		Malignant	-
D8	62	41	M	Lung	Squamous cell carcinoma	T2N1M0	2		Malignant	-
D9	63	70	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
D10	64	70	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
D11	65	64	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
D12	66	64	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
D13	67	58	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
D14	68	58	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
D15	69	68	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
D16	70	68	M	Lung	Squamous cell carcinoma	T2N0M0	2		Malignant	-
D17	71	20	M	Lung	Squamous cell carcinoma	T2N1M0	2		Malignant	-

D18	72	20	M	Lung	Squamous cell carcinoma	T2N1M0	2		Malignant	-
E1	73	42	M	Lung	Squamous cell carcinoma	T2N0M0	3		Malignant	-
E2	74	42	M	Lung	Squamous cell carcinoma	T2N0M0	3		Malignant	-
E3	75	58	M	Lung	Squamous cell carcinoma	T2N3M0	3		Malignant	-
E4	76	58	M	Lung	Squamous cell carcinoma	T2N3M0	3		Malignant	-
E5	77	58	M	Lung	Squamous cell carcinoma	T2N0M0	3		Malignant	-
E6	78	58	M	Lung	Squamous cell carcinoma	T2N0M0	3		Malignant	-
E7	79	51	F	Lung	Squamous cell carcinoma	T2N0M0	3		Malignant	-
E8	80	51	F	Lung	Squamous cell carcinoma	T2N0M0	3		Malignant	-
E9	81	55	M	Lung	Squamous cell carcinoma	T2N0M0	-		Malignant	-
E10	82	55	M	Lung	Squamous cell carcinoma	T2N0M0	3		Malignant	-
E11	83	54	M	Lung	Squamous cell carcinoma	T2N0M0	3		Malignant	-
E12	84	54	M	Lung	Squamous cell carcinoma	T2N0M0	3		Malignant	-
E13	85	55	F	Lung	Adenocarcinoma	T2N0M0	1		Malignant	-
E14	86	55	F	Lung	Adenocarcinoma	T2N0M0	1		Malignant	-
E15	87	63	F	Lung	Adenocarcinoma	T2N2M0	2		Malignant	-
E16	88	63	F	Lung	Adenocarcinoma	T2N2M0	2		Malignant	-
E17	89	49	M	Lung	Adenocarcinoma with necrosis	T2N1M0	2		Malignant	-
E18	90	49	M	Lung	Adenocarcinoma	T2N1M0	2		Malignant	-
F1	91	64	F	Lung	Adenocarcinoma	T2N1M0	2		Malignant	-
F2	92	64	F	Lung	Adenocarcinoma	T2N1M0	-		Malignant	-
F3	93	51	F	Lung	Adenocarcinoma with necrosis	T2N0M0	2		Malignant	-
F4	94	51	F	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
F5	95	44	F	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
F6	96	44	F	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
F7	97	56	M	Lung	Adenocarcinoma	T2N1M0	2		Malignant	-
F8	98	56	M	Lung	Adenocarcinoma	T2N1M0	2		Malignant	-
F9	99	49	M	Lung	Adenocarcinoma	T2N1M0	2		Malignant	-
F10	100	49	M	Lung	Adenocarcinoma	T2N1M0	2		Malignant	-
F11	101	59	F	Lung	Adenocarcinoma	T2N2M0	-		Malignant	-
F12	102	59	F	Lung	Adenocarcinoma	T2N2M0	2		Malignant	-
F13	103	59	M	Lung	Adenocarcinoma	T2N1M0	2		Malignant	-
F14	104	59	M	Lung	Adenocarcinoma	T2N1M0	2		Malignant	-
F15	105	50	F	Lung	Adenocarcinoma	T1N0M0	2		Malignant	-
F16	106	50	F	Lung	Adenocarcinoma	T1N0M0	2		Malignant	-
F17	107	57	M	Lung	Adenocarcinoma	T2N1M0	2		Malignant	-
F18	108	57	M	Lung	Adenocarcinoma	T2N1M0	2		Malignant	-
G1	109	60	M	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
G2	110	60	M	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
G3	111	49	M	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
G4	112	49	M	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
G5	113	48	M	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
G6	114	48	M	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
G7	115	48	M	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
G8	116	48	M	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
G9	117	45	M	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
G10	118	45	M	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
G11	119	64	M	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
G12	120	64	M	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
G13	121	58	F	Lung	Adenocarcinoma	T2N1M0	2		Malignant	-
G14	122	58	F	Lung	Adenocarcinoma	T2N1M0	2		Malignant	-
G15	123	48	M	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
G16	124	48	M	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
G17	125	56	M	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
G18	126	56	M	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
H1	127	52	M	Lung	Adenocarcinoma	T3N1M0	2		Malignant	-
H2	128	52	M	Lung	Adenocarcinoma	T3N1M0	2		Malignant	-
H3	129	49	M	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
H4	130	49	M	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
H5	131	63	M	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
H6	132	63	M	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
H7	133	68	F	Lung	Adenocarcinoma	T2N2M0	2		Malignant	-
H8	134	68	F	Lung	Adenocarcinoma	T2N2M0	2		Malignant	-

H9	135	68	F	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
H10	136	68	F	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
H11	137	51	M	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
H12	138	51	M	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
H13	139	47	M	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
H14	140	47	M	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
H15	141	51	M	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
H16	142	51	M	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
H17	143	54	M	Lung	Adenocarcinoma	T2N0M0	3		Malignant	-
H18	144	54	M	Lung	Adenocarcinoma	T2N0M0	3		Malignant	-
I1	145	65	M	Lung	Adenocarcinoma	T2N0M0	3		Malignant	-
I2	146	65	M	Lung	Adenocarcinoma	T2N0M0	3		Malignant	-
I3	147	70	F	Lung	Adenocarcinoma	T2N1M0	3		Malignant	-
I4	148	70	F	Lung	Adenocarcinoma	T2N1M0	3		Malignant	-
I5	149	42	M	Lung	Adenocarcinoma	T1BN0M0	2		Malignant	-
I6	150	42	M	Lung	Adenocarcinoma	T1BN0M0	2		Malignant	-
I7	151	32	F	Lung	Adenocarcinoma	T2N1M0	3		Malignant	+
I8	152	32	F	Lung	Adenocarcinoma	T2N1M0	3		Malignant	+
I9	153	63	M	Lung	Adenocarcinoma with necrosis (sparse)	T2N1M0	-		Malignant	-
I10	154	63	M	Lung	Adenocarcinoma	T2N1M0	3		Malignant	-
I11	155	54	M	Lung	Adenocarcinoma	T2N1M0	3		Malignant	-
I12	156	54	M	Lung	Adenocarcinoma	T2N1M0	3		Malignant	-
I13	157	56	F	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
I14	158	56	F	Lung	Adenocarcinoma	T2N0M0	2		Malignant	-
I15	159	61	M	Lung	Adenocarcinoma	T2N1M0	3		Malignant	-
I16	160	61	M	Lung	Adenocarcinoma	T2N1M0	3		Malignant	-
I17	161	41	F	Lung	Adenocarcinoma	T2N1M0	3		Malignant	-
I18	162	41	F	Lung	Adenocarcinoma	T2N1M0	3		Malignant	-
J1	163	47	M	Lung	Adenocarcinoma	T3N0M0	3		Malignant	-
J2	164	47	M	Lung	Adenocarcinoma	T3N0M0	3		Malignant	-
J3	165	52	M	Lung	Adenocarcinoma	T2N0M0	3		Malignant	-
J4	166	52	M	Lung	Adenocarcinoma	T2N0M0	3		Malignant	-
J5	167	62	M	Lung	Adenocarcinoma	T2N0M0	3		Malignant	-
J6	168	62	M	Lung	Adenocarcinoma	T2N0M0	3		Malignant	-
J7	169	70	M	Lung	Adenocarcinoma	T2BN0M0	3		Malignant	+
J8	170	70	M	Lung	Adenocarcinoma	T2BN0M0	3		Malignant	-
J9	171	68	M	Lung	Adenocarcinoma	T2N1M0	2		Malignant	-
J10	172	68	M	Lung	Adenocarcinoma	T2N1M0	2		Malignant	-
J11	173	45	F	Lung	Adenocarcinoma	T2N0M0	3		Malignant	-
J12	174	45	F	Lung	Adenocarcinoma	T2N0M0	3		Malignant	-
J13	175	62	M	Lung	Adenocarcinoma	T2N0M0	3		Malignant	+
J14	176	62	M	Lung	Adenocarcinoma	T2N0M0	3		Malignant	+
J15	177	62	M	Lung	Adenocarcinoma	T2N1M0	2		Malignant	+
J16	178	62	M	Lung	Adenocarcinoma	T2N1M0	2		Malignant	+
J17	179	58	M	Lung	Adenocarcinoma	T3N0M0	2		Malignant	-
J18	180	58	M	Lung	Adenocarcinoma	T3N0M0	-		Malignant	-
K1	181	64	M	Lung	Adenocarcinoma	T2N0M0	3		Malignant	-
K2	182	64	M	Lung	Adenocarcinoma	T2N0M0	3		Malignant	-
K3	183	69	M	Lung	Adenocarcinoma	T2N1M0	-		Malignant	-
K4	184	69	M	Lung	Adenocarcinoma	T2N1M0	3		Malignant	-
K5	185	61	M	Lung	Adenocarcinoma	T2N0M0	3		Malignant	-
K6	186	61	M	Lung	Adenocarcinoma	T2N0M0	3		Malignant	-
K7	187	64	M	Lung	Adenocarcinoma	T2N1M0	3		Malignant	-
K8	188	64	M	Lung	Adenocarcinoma	T2N1M0	3		Malignant	-
K9	189	53	F	Lung	Adenocarcinoma	T2N0M0	3		Malignant	-
K10	190	53	F	Lung	Adenocarcinoma	T2N0M0	3		Malignant	-
K11	191	53	F	Lung	Adenocarcinoma	T1N0M0	3		Malignant	-
K12	192	53	F	Lung	Adenocarcinoma	T1N0M0	3		Malignant	-
K13	193	53	M	Lung	Mucinous adenocarcinoma	T2N0M0	1--2		Malignant	-
K14	194	53	M	Lung	Mucinous adenocarcinoma	T2N0M0	-		Malignant	-
K15	195	78	M	Lung	Mucinous adenocarcinoma (sparse)	T3N0M0	2		Malignant	-
K16	196	78	M	Lung	Mucinous adenocarcinoma	T3N0M0	2		Malignant	-
K17	197	62	M	Lung	Mucinous adenocarcinoma	T2N0M0	2		Malignant	-

K18	198	62	M	Lung	Mucinous adenocarcinoma	T2N0M0	2		Malignant	-
L1	199	27	M	Lung	Mucinous adenocarcinoma	T3N0M0	3		Malignant	-
L2	200	27	M	Lung	Mucinous adenocarcinoma	T3N0M0	3		Malignant	-
L3	201	51	M	Lung	Adenosquamous carcinoma	T2N0M0	-		Malignant	-
L4	202	51	M	Lung	Adenosquamous carcinoma	T2N0M0	-		Malignant	-
L5	203	58	M	Lung	Adenosquamous carcinoma	T2N1M0	-		Malignant	-
L6	204	58	M	Lung	Adenosquamous carcinoma	T2N1M0	-		Malignant	-
L7	205	68	M	Lung	Adenosquamous carcinoma	T2N0M0	-		Malignant	-
L8	206	68	M	Lung	Adenosquamous carcinoma	T2N0M0	-		Malignant	-
L9	207	59	F	Lung	Adenosquamous carcinoma	T2N0M0	-		Malignant	-
L10	208	59	F	Lung	Adenosquamous carcinoma	T2N0M0	-		Malignant	-
L11	209	58	M	Lung	Adenosquamous carcinoma	T3N1M0	-		Malignant	-
L12	210	58	M	Lung	Adenosquamous carcinoma	T3N1M0	-		Malignant	-
L13	211	71	M	Lung	Adenosquamous carcinoma	T2N0M0	-		Malignant	-
L14	212	71	M	Lung	Adenosquamous carcinoma	T2N0M0	-		Malignant	-
L15	213	45	F	Lung	Adenosquamous carcinoma	T2N1M0	-		Malignant	-
L16	214	45	F	Lung	Adenosquamous carcinoma	T2N1M0	-		Malignant	-
L17	215	43	M	Lung	Adenosquamous carcinoma	T2N0M0	-		Malignant	-
L18	216	43	M	Lung	Adenosquamous carcinoma	T2N0M0	-		Malignant	-
-	0	42	M	Adrenal gland	Pheochromocytoma (tissue marker)		-		Malignant	

The American Joint Committee on Cancer (AJCC) TNM system

T groups

TX: Primary tumor cannot be assessed

T0: No evidence of primary tumor

T1: A single tumor (any size) that hasn't grown into blood vessels

T2: Either a single tumor (any size) that has grown into blood vessels, OR more than one tumor where no tumor is larger than 5 cm (about 2 inches) across

T3a: Multiple tumors with at least one tumor that is greater than 5 cm (about 2 inches) across

T3b: At least one tumor (any size) that has grown into a major branch of the large veins of the liver (the portal and hepatic veins)

T4: The tumor has grown into a nearby organ (other than the gallbladder), OR the tumor is growing into the thin layer of tissue covering the liver (called the visceral peritoneum)

N groups

NX: Regional (nearby) lymph nodes cannot be assessed.

N0: The cancer has not spread to the regional lymph nodes.

N1: The cancer has spread to the regional lymph nodes.

M groups

M0: The cancer has not spread to distant lymph nodes or other organs.

M1: The cancer has spread to distant lymph nodes or other organs.