

Supplementary Table S2. Clinical Sample Information

Sample	Patient Age in Years ¹	Patient Sex	Characteristic	Primary Tumor Site	Metastatic Tumor Site	Matched Normal Source
1T ²	29	F	Cutaneous	Posterior neck	Lung	Blood
5T ²	47	M	Cutaneous	Lower abdomen	Iliac	Blood
6T	42	M	Cutaneous	Temple	Neck, soft tissue	Blood
7T ²	53	M	Cutaneous	Knee	Stomach	Blood
8T ²	61	M	Cutaneous	Thigh	Inguinal	Blood
9T ²	62	M	Cutaneous	Mid-back	Back, subcutaneous	Blood
12T ²	53	M	Cutaneous	Arm	Upper arm, subcutaneous	Blood
14T ²	58	F	Cutaneous	Foot	Small bowel	Blood
16T	62	M	Cutaneous	Scalp	Lung	Blood
17T ²	33	M	Cutaneous	Unknown	Shoulder, subcutaneous	Blood
18T ²	55	M	Cutaneous	Upper back	Clavicle, soft tissue	Blood
20T	58	F	Cutaneous	Shoulder	Axilla	Blood
22T [†]	51	M	Cutaneous	Nipple	Chest wall, subcutaneous	Blood
23T ²	44	M	Cutaneous	Scalp	Lung	Blood
24T ²	49	M	Cutaneous	Upper arm	Axilla	Blood
26T ²	48	F	Cutaneous	Upper thigh	Lung	Blood
29T	51	M	Cutaneous	Thigh	Inguinal	Blood
32T ²	58	M	Cutaneous	Shoulder	Omentum	Blood
35T ²	23	F	Cutaneous ³	Heel	Thigh, subcutaneous	Blood
43T ²	19	F	Cutaneous	Thigh	Popliteal soft tissue	Blood
44T	56	M	Cutaneous	Mid-back	Lung	Blood
51T ²	50	F	Cutaneous	Medial thigh	Adnexa	Blood
55T ²	60	M	Cutaneous	Neck	Lung	Blood
56T ²	52	M	Cutaneous	Thigh	Lung	Blood
60T ²	46	M	Cutaneous	Abdomen	Flank, subcutaneous	Blood
64T ²	32	F	Cutaneous	Unknown	Ovary	Blood
79T	53	M	Cutaneous	Mid-back	Supraclavicular, soft tissue	Blood
81T ²	60	F	Cutaneous	Arm	Upper arm, subcutaneous	Blood
83T	33	F	Cutaneous	Arm	Back, subcutaneous	Blood
84T	60	F	Cutaneous	Calf	Thigh, subcutaneous	Blood
86T	42	F	Cutaneous	Forearm	Liver	Blood
88T ²	37	F	Cutaneous	Scalp	Chest wall, subcutaneous	Blood
90T	19	M	Cutaneous	Occipital scalp	Neck, soft tissue	Blood
91T ²	55	F	Cutaneous	Shoulder	Subcostal soft tissue	Blood
92T	37	F	Cutaneous	Inguinal	Femur	Blood
93T ²	42	F	Cutaneous	Finger	Axilla	Blood
95T	58	F	Cutaneous	Unknown	Inguinal	Blood
96T ²	49	M	Cutaneous	Unknown	Inguinal	Blood
105T	28	M	Cutaneous	Upper back	Neck, soft tissue	Blood
108T ²	25	F	Cutaneous	Heel	Thigh, subcutaneous	Blood
109T	58	M	Cutaneous	Shoulder	Scrotum	Blood
110T	51	M	Cutaneous	Unknown	Axilla	Blood
111T	41	M	Cutaneous	Mid-upper back	Axilla	Blood
112T	46	M	Cutaneous	Lower back	Inguinal	Blood
113T	38	M	Cutaneous	Posterior shoulder	Axilla	Blood
114T	22	M	Cutaneous	Unknown	Adrenal gland	Blood
116T	29	M	Cutaneous	Leg	Thigh, subcutaneous	Blood
117T	44	M	Cutaneous	Posterior lower leg	Chest wall, subcutaneous	Blood
119T	45	M	Cutaneous	Chest	Axilla	Blood
122T	60	F	Cutaneous	Back	Lung	Blood
123T	51	M	Cutaneous	Unknown	Anticubital	Blood
124T	44	M	Cutaneous	Back	Inguinal	Blood
125T	27	M	Cutaneous	Upper back	Axilla	Blood
130T ²	49	F	Cutaneous	Lower extremity	Thigh, subcutaneous	Blood

Abbreviations: F, female; L, left; LN, lymph node; M, male; R, right.

¹Patient's age when tumor was surgically removed.²Samples used in exome/genome sequencing.³Acral lentiginous.