

SUPPLEMENTARY TABLE 1. Clinical and histopathological features of archival materials

No	Gender	Age	Location	Diagnosis	Stage	TNM
1	F	19	Right infraorbital	Intradermal nevus	-	-
2	F	48	Left mentum	Intradermal nevus	-	-
3	F	22	Left mentum	Intradermal nevus	-	-
4	F	33	Upper lip	Intradermal nevus	-	-
5	F	51	Right nasolabial sulcus	Intradermal nevus	-	-
6	F	23	Upper lip	Intradermal nevus	-	-
7	F	43	Nose	Intradermal nevus	-	-
8	M	33	Right malar	Intradermal nevus	-	-
9	F	43	Right malar	Intradermal nevus	-	-
10	F	28	Left mentum	Intradermal nevus	-	-
11	M	63	Left foot	Primary melanoma	II	-
12	F	64	Left leg	Primary melanoma	II	-
13	M	61	Left external auditory canal	Primary melanoma	II	-
14	F	56	Right malar	Primary melanoma	I	T1aNxMx
15	M	43	Left sole	Primary melanoma	II	T4bNxMx
16	F	50	Right hand dorsum	Primary melanoma	0	TisNxMx
17	M	53	Left shoulder	Primary melanoma	I	T1NxMx
18	F	86	Upper lip	Primary melanoma	II	T4NxMx
19	M	50	Thumb	Primary melanoma	I	T1NxMx
20	F	41	Right foot	Primary melanoma	II	T3NxMx
21	M	82	Left nasal cavity	Primary melanoma	-	-
22	F	76	Vagina	Primary melanoma	-	-
23	M	48	Right eye	Primary melanoma	IIIc	T4eNxMx
24	M	67	Right thigh	Metastatic melanoma	-	-
25	F	54	Superficial parotid	Metastatic melanoma	-	-
26	F	88	Left leg	Metastatic melanoma	-	-

SUPPLEMENTARY TABLE 2. Clinical and histopathological features of tissue arrays

No	Gender	Age	Location	Diagnosis	Stage	TNM
1	M	40	Chest	Primary melanoma	II	T4N0M0
2	M	50	Esophagus	Primary melanoma	-	-
3	M	64	Esophagus	Primary melanoma	-	-
4	M	71	Small intestine	Primary melanoma	-	-
5	F	70	Parotid gland	Primary melanoma	-	-
6	F	38	Rectum	Primary melanoma	-	-
7	F	67	Rectum	Primary melanoma	-	-
8	F	70	Rectum	Primary melanoma	-	-
9	M	66	Rectum	Primary melanoma	-	-
10	F	54	Rectum	Primary melanoma	-	-
11	F	82	Rectum	Primary melanoma	-	-
12	F	52	Rectum	Primary melanoma	-	-
13	F	72	Rectum	Primary melanoma	-	-
14	F	69	Rectum	Primary melanoma	-	-
15	M	57	Rectum	Primary melanoma	-	-
16	F	52	Rectum	Primary melanoma	-	-
17	F	42	Rectum	Primary melanoma	-	-
18	M	47	Rectum	Primary melanoma	-	-
19	M	75	Rectum	Primary melanoma	-	-
20	M	67	Rectum	Primary melanoma	-	-
21	F	66	Rectum	Primary melanoma	-	-
22	M	55	Stomach	Primary melanoma	-	-
23	M	55	Stomach	Primary melanoma	-	-
24	F	44	Cervix	Primary melanoma	IIA	T2N0M0
25	F	57	Vulva	Primary melanoma	II	T4N0M0
26	F	45	Vulva	Primary melanoma	II	T4N0M0
27	F	72	Vulva	Primary melanoma	I	T1N0M0
28	F	15	Clitoris	Primary melanoma	II	T4N0M0
29	F	34	Vulva	Primary melanoma	II	T4N0M0
30	F	62	Vagina	Primary melanoma	II	T4N0M0
31	F	41	Vulva	Primary melanoma	II	T4N0M0
32	F	38	Vulva	Primary melanoma	II	T4N0M0
33	F	79	Vulva	Primary melanoma	III	T4N1M0
34	F	44	Vulva	Primary melanoma	II	T4N0M0
35	F	62	Skin	Primary melanoma	II	T4N0M0
36	F	46	Skin	Primary melanoma	II	T4N0M0
37	M	66	Skin	Primary melanoma	II	T4N0M0
38	M	62	Skin	Primary melanoma	II	T4N0M0
39	F	66	Skin	Primary melanoma	II	T4N0M0
40	M	56	Skin	Primary melanoma	II	T4N0M0
41	M	61	Skin	Primary melanoma	II	T4N0M0
42	M	52	Skin	Primary melanoma	II	T3N0M0
43	F	47	Skin	Primary melanoma	II	T2N0M0
44	M	57	Skin	Primary melanoma	II	T4N0M0
45	M	64	Skin	Primary melanoma	II	T2N0M0

SUPPLEMENTARY TABLE 2. Continued

No	Gender	Age	Location	Diagnosis	Stage	TNM
46	M	53	Skin	Primary melanoma	II	T4N0M0
47	F	59	Skin	Primary melanoma	II	T4N0M0
48	M	48	Skin	Primary melanoma	II	T3N0M0
49	M	65	Skin	Primary melanoma	II	T4N0M0
50	M	75	Skin	Primary melanoma	II	T2N0M0
51	F	53	Skin	Primary melanoma	II	T4N0M0
52	M	79	Skin	Primary melanoma	II	T4N0M0
53	M	70	Skin	Primary melanoma	II	T4N0M0
54	M	65	Skin	Primary melanoma	II	T4N0M0
55	M	76	Skin	Primary melanoma	III	T4N1M0
56	F	54	Skin	Primary melanoma	II	T4N0M0
57	M	62	Skin	Primary melanoma	II	T2N0M0
58	M	55	Skin	Primary melanoma	II	T4N0M0
59	M	74	Skin	Primary melanoma	II	T4N0M0
60	M	65	Skin	Primary melanoma	II	T2N0M0
61	M	31	Skin	Primary melanoma	II	T4N0M0
62	F	41	Skin	Primary melanoma	II	T4N0M0
63	M	74	Skin	Primary melanoma	II	T4N0M0
64	F	16	Skin	Primary melanoma	II	T4N0M0
65	M	27	Skin	Primary melanoma	III	T3N1M0
66	F	63	Skin	Primary melanoma	II	T4N0M0
67	M	51	Skin	Primary melanoma	II	T4N0M0
68	F	80	Skin	Primary melanoma	III	T4N1M0
69	M	55	Skin	Primary melanoma	II	T4N0M0
70	M	52	Skin	Primary melanoma	II	T3N0M0
71	M	60	Skin	Primary melanoma	III	T4N1M0
72	M	40	Skin	Primary melanoma	II	T4N0M0
73	F	77	Skin	Primary melanoma	II	T4N0M0
74	F	56	Skin	Primary melanoma	II	T3N0M0
75	M	42	Skin	Primary melanoma	II	T2N0M0
76	M	51	Skin	Primary melanoma	II	T4N0M0
77	M	55	Skin	Primary melanoma	II	T4N0M0
78	M	61	Skin	Primary melanoma	IV	T4bN0M1
79	M	78	Skin	Primary melanoma	II	T4bN0M0
80	F	46	Skin	Primary melanoma	II	T4N0M0
81	M	80	Skin	Primary melanoma	II	T4N0M0
82	F	74	Skin	Primary melanoma	II	T2N0M0
83	M	41	Skin	Primary melanoma	II	T3N0M0
84	M	57	Skin	Primary melanoma	II	T3N0M0
85	M	51	Skin	Primary melanoma	II	T4N0M0
86	M	51	Skin	Primary melanoma	III	T4N1M0
87	M	52	Skin	Primary melanoma	II	T4N0M0
88	F	52	Skin	Primary melanoma	II	T3N0M0
89	M	61	Skin	Primary melanoma	III	T4N2M0
90	F	61	Skin	Primary melanoma	II	T4N0M0

SUPPLEMENTARY TABLE 2. Continued

No	Gender	Age	Location	Diagnosis	Stage	TNM
91	F	59	Skin	Primary melanoma	II	T4N0M0
92	M	49	Skin	Primary melanoma	III	T4N2M0
93	M	40	Skin	Primary melanoma	II	T4N0M0
94	M	45	Skin	Primary melanoma	II	T3aN0M0
95	M	46	Scrotum	Primary melanoma	–	–
96	M	55	Scrotum	Primary melanoma	–	–
97	M	78	Nose	Primary melanoma	–	–
98	M	50	Nose	Primary melanoma	–	–
99	F	40	Nose	Primary melanoma	–	–
100	F	38	Nose	Primary melanoma	–	–
101	F	65	Nose	Primary melanoma	–	–
102	M	63	Nose	Primary melanoma	–	–
103	M	56	Nose	Primary melanoma	–	–
104	F	43	Fibrous tissue	Primary melanoma	II	T4N0M0
105	F	46	Adipose tissue	Primary melanoma	II	T4N0M0
106	F	42	Skin	Primary melanoma	II	T4N0M0
107	F	58	Skin	Primary melanoma	II	T4N0M0
108	F	88	Skin	Primary melanoma	II	T4N0M0
109	M	7	Striated muscle	Primary melanoma	II	T4N0M0
110	M	50	Striated muscle	Primary melanoma	II	T4N0M0
111	M	71	Fibrous tissue	Primary melanoma	II	T4N0M0
112	F	45	Fibrous tissue	Primary melanoma	II	T2N0M0
113	M	49	Soft tissue	Primary melanoma	II	T4N0M0
114	F	42	Soft tissue	Primary melanoma	II	T4N0M0
115	F	67	Soft tissue	Primary melanoma	–	–
116	F	45	Eye	Primary melanoma	II	T2N0M0
117	F	46	Eye	Primary melanoma	III	T4N0M0
118	F	49	Eye	Primary melanoma	II	T2N0M0
119	M	52	Eye	Primary melanoma	II	T2N0M0
120	M	44	Orbita	Primary melanoma	III	T4N0M0
121	M	57	Eye	Primary melanoma	III	T4N0M0
122	F	35	Eye	Primary melanoma	II	T2N0M0
123	F	62	Eye	Primary melanoma	II	T2N0M0
124	M	67	Eye	Primary melanoma	II	T2N0M0
125	F	76	Eye	Primary melanoma	III	T4N0M0
126	M	41	Eye	Primary melanoma	II	T2N0M0
127	F	37	Eye	Primary melanoma	II	T2N0M0
128	M	57	Eye	Primary melanoma	II	T2N0M0
129	M	71	Lymph node	Metastatic melanoma	–	–
130	M	46	Lymph node	Metastatic melanoma	–	–
131	M	44	Lymph node	Metastatic melanoma	–	–
132	M	65	Lymph node	Metastatic melanoma	–	–
133	M	38	Lymph node	Metastatic melanoma	–	–
134	M	55	Lymph node	Metastatic melanoma	–	–
135	F	40	Lymph node	Metastatic melanoma	–	–

SUPPLEMENTARY TABLE 2. Continued

No	Gender	Age	Location	Diagnosis	Stage	TNM
136	M	70	Lymph node	Metastatic melanoma	–	–
137	M	68	Lymph node	Metastatic melanoma	–	–
138	F	41	Lymph node	Metastatic melanoma	–	–
139	M	65	Lymph node	Metastatic melanoma	–	–
140	F	61	Lymph node	Metastatic melanoma	–	–
141	F	42	Lymph node	Metastatic melanoma	–	–
142	F	43	Lymph node	Metastatic melanoma	–	–
143	F	56	Lymph node	Metastatic melanoma	–	–
144	F	56	Lymph node	Metastatic melanoma	–	–
145	F	49	Lymph node	Metastatic melanoma	–	–
146	M	49	Lymph node	Metastatic melanoma	–	–
147	M	45	Lymph node	Metastatic melanoma	–	–
148	F	60	Lymph node	Metastatic melanoma	–	–
149	F	43	Lymph node	Metastatic melanoma	–	–
150	F	29	Lymph node	Metastatic melanoma	–	–
151	F	31	Lymph node	Metastatic melanoma	–	–
152	F	68	Lymph node	Metastatic melanoma	–	–
153	F	63	Lymph node	Metastatic melanoma	–	–
154	F	61	Lymph node	Metastatic melanoma	–	–
155	M	68	Lymph node	Metastatic melanoma	–	–
156	M	40	Lymph node	Metastatic melanoma	–	–
157	M	52	Lymph node	Metastatic melanoma	–	–
158	F	53	Lymph node	Metastatic melanoma	–	–
159	F	68	Lymph node	Metastatic melanoma	–	–
160	M	62	Lymph node	Metastatic melanoma	–	–
161	M	55	Lymph node	Metastatic melanoma	–	–
162	F	58	Lymph node	Metastatic melanoma	–	–
163	F	38	Lymph node	Metastatic melanoma	–	–
164	M	49	Lymph node	Metastatic melanoma	–	–
165	F	46	Lymph node	Metastatic melanoma	–	–
166	F	60	Lymph node	Metastatic melanoma	–	–
167	M	50	Parotid gland	Metastatic melanoma	–	–
168	F	47	Lymph node	Metastatic melanoma	–	–
169	M	38	Lymph node	Metastatic melanoma	–	–
170	F	45	Lymph node	Metastatic melanoma	–	–
171	F	41	Lymph node	Metastatic melanoma	–	–
172	F	38	Lymph node	Metastatic melanoma	–	–
173	M	58	Lymph node	Metastatic melanoma	–	–
174	M	50	Lymph node	Metastatic melanoma	–	–
175	F	52	Spleen	Metastatic melanoma	–	–
176	F	45	Spleen	Metastatic melanoma	–	–
177	M	39	Bone	Metastatic melanoma	–	–
178	M	62	Lymph node	Metastatic melanoma	–	–
179	F	55	Brain	Metastatic melanoma	–	–
180	M	63	Soft tissue	Metastatic melanoma	–	–

SUPPLEMENTARY TABLE 2. Continued

No	Gender	Age	Location	Diagnosis	Stage	TNM
181	M	48	Lymph node	Metastatic melanoma	–	–
182	F	55	Lymph node	Metastatic melanoma	–	–
183	M	49	Pelvic cavity	Metastatic melanoma	–	–
184	M	72	Lymph node	Metastatic melanoma	–	–
185	M	62	Soft tissue	Metastatic melanoma	–	–
186	F	35	Lymph node	Metastatic melanoma	–	–
187	F	61	Lymph node	Metastatic melanoma	–	–
188	F	80	Lymph node	Metastatic melanoma	–	–
189	M	56	Lymph node	Metastatic melanoma	–	–
190	F	72	Lymph node	Metastatic melanoma	–	–
191	F	41	Lymph node	Metastatic melanoma	–	–
192	M	62	Lymph node	Metastatic melanoma	–	–