

Additional File 1: List and detailed information of patient- and control cohorts used in the study.

No.	Age	Gender	Subcutaneous NF	Cutaneous NF	PNF	MPNST	Tumor volume (cm ³)
1	20	f	none	none	1		0
2	30	f	none	100	none		0
3	40	f	3-9	3-9	none		0
4	41	f	3 to 9	none	none		0
5	32	f	none	10-50	none		0
6	29	m	600	none	none		0
7	39	f	100	1000	>2		0
8	15	m	60	10-50	2		0
9	26	m	10-50	150	1		0
10	22	m	2	none	none	y	0
11	26	f	2	10-50	none		0
12	36	m	10-50	10-50	none		0
13	9	m	none	none	none		0
14	21	f	10 to 50	2	none		0
15	39	f	none	10 to 50	2		0
16	34	m	10-50	10-50	none		0
17	25	m	3-9	3-9	1		0
18	15	m	none	none	none		0
19	48	f	none	none	none		0
20	15	f	10-50	none	none	y	0
21	61	m	none	250	2		0
22	21	f	1000	10-50	none		0
23	40	f	none	10 to 50	none		0
24	21	f	none	none	1		0
25	31	f	none	none	none		0
26	51	m	10 to 50	250	1		0
27	38	f	10 to 50	none	none		0
28	45	m	none	800	none		0
29	18	m	none	none	none		nd
30	42	m	3 to 9	10 to 50	none		1-99
31	29	m	none	none	>2		1-100
32	52	m	10 to 50	10 to 50	1		50-500
33	63	f	10-50	1000	1		1-99
34	43	f	none	100	none		nd
35	15	m	200	3 to 9	1		1-99
36	25	f	10-50	3-9	>2		1-99
37	19	m	2	10 to 50	1		1-99
38	36	m	none	150	none		nd
39	30	m	10-50	none	none	y	1-99
40	43	m	10-50	10-50	1		1-99
41	3	m	10 to 50	10 to 50	1		1-99
42	44	m	100	3000	none		1-99
43	62	f	3 to 9	500	2		1-99

44	18	f	10-50	none	none		1-99
45	24	m	10-50	none	2		1-99
46	30	f	none	10-50	none		nd
47	40	m	none	10-50	1	y	1-99
48	40	m	70	100	1		1-99
49	22	f	10-50	3 to 9	2		1-99
50	46	m	10 to 50	400	>2		1-99
51	18	f	2	none	>2	y	1-99
52	14	m	none	10-50	none		nd
53	35	f	3-9	none	none	y	100-500
54	9	f	10-50	2	1	y	100-500
55	29	f	120	1000	none	y	>500
56	30	f	10 to 50	200	>2		100-500
57	28	m	10-50	3-9	none	y	100-500
58	29	f	200	400	2	y	>500
59	36	m	none	none	none		nd
60	37	m	10 to 50	1000	>2	y	100-500
61	20	f	10 to 50	3 to 9	1		100-500
62	40	m	150	10 to 50	>2	y	100-500
63	26	f	3-9	10-50	2	y	100-500
64	44	f	60	10 to 50	none		100-500
65	29	f	10 to 50	10-50	none	y	100-500
66	25	f	3 to 9	10 to 50	1		100-500
67	39	m	none	3-9	1		100-500
68	26	m	1200	100	2	y	>500
69	40	f	70	2000	>2		100-500
70	41	m	100	3-9	>2	y	100-500
71	63	f	10 to 50	200	>2	y	100-500
72	51	m	none	1000	>2	y	100-500
73	31	f	1000	1000	>2		100-500
74	60	m	3-9	300	1	y	100-500
75	39	f	100	300	1	y	100-500
76	30	f	none	3-9	2		100-500
77	17	m	1000	500	1	y	>500
78	17	m	2000	none	none	y	>500
79	51	m	60	10-50	>2	y	>500
80	27	f	700	none	2	y	>500
81	18	m	3 to 9	2	1		>500
82	26	f	10 to 50	800	1	y	>500
83	18	f	10-50	10-50	2		>500
84	22	m	3-9	3-9	1	y	>500
85	15	f	3 to 9	3 to 9	2	y	>500
86	38	m	3 to 9	none	>2	y	>500
87	37	m	10-50	200	>2		>500
88	45	f	100	3000	2	y	>500
89	23	m	2000	1000	>2		>500
90	16	f	2	10 to 50	2		nd

91	45	f	none	>50	1		nd
92	32	f	none	1000	1		nd
93	16	m	none	3 to 9	>2		nd
94	40	f	60	250	1		nd
95	13	m	2	none	2		nd
96	32	f	3 to 9	none	none		nd
97	28	f	10-50	100	>2		nd
98	41	f	none	>50	none		nd
99	45	m	10-50	100	none		nd
100	50	m	3-9	none	none		nd
101	20	f	2	2	none		1-99
102	32	m	3-9	none	none		0
103	25	m	none	3-9	none		0
104	23	m	none	10 to 50	>2	y	100-500
Healthy Control Group							
1	53	w					
2	48	w					
3	48	w					
4	47	w					
5	42	w					
6	64	w					
7	44	w					
8	28	w					
9	73	w					
10	24	w					
11	67	m					
12	37	m					
13	58	m					
14	53	m					
15	25	m					
16	28	m					
17	29	m					
18	28	m					
19	38	m					
20	38	m					
21	41	w					
22	63	w					
23	66	w					
24	39	w					
25	47	w					
26	63	w					
27	61	w					
28	30	w					
29	34	w					
30	28	w					
31	56	w					
32	60	w					

33	40	m					
34	61	m					
35	55	m					
36	33	m					
37	31	m					
38	56	m					
39	57	m					
40	64	m					
41	57	m					