

Table S1 Characteristics and treatment data for patients in immunohistochemical analysis

FFPE tissue	
Characteristics	Value
cases	71
samples	90
Age(range)	77.27(40-98)
Sex	
Male	26(36.6%)
Female	45(63.4%)
Race	
Asian(Japanese)	71(100%)
Primary Site	cases(n=71)
Head&Neck	48(67.6%)
Trunk	2(2.8%)
Limbs	21(29.6%)
Lesion	samples(n=90)
Primary	62(68.9%)
Skin Meta	13(14.4%)
Lymph Node	12(13.3%)
Other	3(3.3%)
Stage at collection	samples(n=90)
I	26(28.9%)
II	24(26.7%)
III	28(31.1%)
IV	9(10.0%)
unknown	3(3.3%)
Treatment	cases(n=71)
Surgery	16(22.5%)
RT	5(7.0%)
Surgery+RT	36(50.7%)
Surgery+Chemo	2(2.8%)
Surgery+RT+Chemo	5(7.0%)
Surgery+RT+ICI	2(2.8%)
Observation	4(5.6%)
Unknown	1(1.4%)