

A	B	C	D	E	F	G	H	I	J	K
Pos	No.	Sex	Age	Organ	Pathology diagnosis	Stage	TNM	Type	ERK5 expression intensity	ERK5 expressing cells %
A1	1	M	71	Skin	Malignant melanoma of right rump	II	T4N0M0	Malignant	++	90
A2	2	M	60	Skin	Malignant melanoma of left sole	I	T2N0M0	Malignant	+	80
A3	3	F	66	Skin	Malignant melanoma of chest wall	II	T4N0M0	Malignant	+	2
A4	4	M	61	Skin	Malignant melanoma of left armpit	IV	T4bN0M1	Malignant	+	65
A5	5	M	55	Skin	Malignant melanoma of sole	II	T4N0M0	Malignant	+	55
A6	6	M	51	Skin	Malignant melanoma of back	II	T4N0M0	Malignant	++	80
A7	7	M	25	Skin	Malignant melanoma of left sole	I	T2N0M0	Malignant	++	90
A8	8	F	46	Skin	Malignant melanoma of thigh	II	T4N0M0	Malignant	+	95
A9	9	F	32	Skin	Malignant melanoma of right lumbar part	II	T4N0M0	Malignant	+++	100
A10	10	M	80	Skin	Malignant melanoma of right sole	IIIA	T4N0M0	Malignant	+	75
B1	11	F	42	Skin	Malignant melanoma of right thigh	II	T4N0M0	Malignant	+	50
B2	12	M	50	Skin	Malignant melanoma of left shoulder	II	T4N0M0	Malignant	+	30
B3	13	M	41	Skin	Malignant melanoma of left leg	II	T3N0M0	Malignant	ne	-
B4	14	M	37	Skin	Malignant melanoma of right upper arm	II	T4N0M0	Malignant	-	0
B5	15	M	61	Skin	Malignant melanoma of right groin	III	T4N2M0	Malignant	-	0
B6	16	M	52	Skin	Malignant melanoma of left abdominal wall	II	T4N0M0	Malignant	ne	-
B7	17	F	59	Skin	Malignant melanoma of right rump	I	T1N0M0	Malignant	+	20
B8	18	M	7	Skin	Malignant melanoma of sacrococcygeal region	II	T4N0M0	Malignant	++	75
B9	19	M	40	Skin	Malignant melanoma of right chest wall	II	T4N0M0	Malignant	+	90
B10	20	F	59	Skin	Malignant melanoma of anus	II	T4N0M0	Malignant	+	70
C1	21	M	42	Skin	Malignant melanoma of left heel	IV	T3N2M1	Malignant	+	20
C2	22	M	41	Skin	Malignant melanoma of left forearm	IIB	T4N0M0	Malignant	+	35
C3	23	M	49	Skin	Malignant melanoma of left arm	IIA	T2BN0M0	Malignant	ne	-
C4	24	M	71	Skin	Malignant melanoma of right groin	II	T4N0M0	Malignant	+++	95
C5	25	F	83	Skin	Malignant melanoma of right little finger	I	T2N0M0	Malignant	+	90
C6	26	F	42	Skin	Malignant melanoma of left thumb	II	T4N0M0	Malignant	+	50
C7	27	F	41	Skin	Malignant melanoma of scalp	II	T4N0M0	Malignant	+	65
C8	28	M	51	Skin	Malignant melanoma of left armpit	II	T4N0M0	Malignant	ne	-
C9	29	M	56	Skin	Malignant melanoma of abdominal wall	II	T4N0M0	Malignant	+	90
C10	30	M	66	Skin	Malignant melanoma of right thigh	II	T4N0M0	Malignant	+	60
D1	31	M	65	Skin	Malignant melanoma of scalp	II	T4N0M0	Malignant	ne	-
D2	32	M	45	Skin	Malignant melanoma of crissum	II	T4N0M0	Malignant	+	25
D3	33	M	31	Skin	Malignant melanoma of scalp	II	T4N0M0	Malignant	+++	90
D4	34	F	72	Skin	Malignant melanoma of right cheek	II	T4N0M0	Malignant	+	40
D5	35	F	46	Skin	Malignant melanoma of right hallux	II	T4N0M0	Malignant	+	50
D6	36	F	47	Skin	Malignant melanoma of right upper arm	II	T4N0M0	Malignant	+	80
D7	37	M	49	Skin	Malignant melanoma of left foot	III	T4N2M0	Malignant	ne	-
D8	38	F	45	Skin	Malignant melanoma of left thigh	I	T2N0M0	Malignant	+++	90
D9	39	F	72	Vulva	Malignant melanoma	III	T4N0M0	Malignant	+++	97
D10	40	F	57	Vulva	Malignant melanoma	III	T4N0M0	Malignant	+++	40
E1	41	F	38	Vulva	Malignant melanoma	III	T4N0M0	Malignant	+	80
E2	42	F	44	Vulva	Malignant melanoma (sparse)	III	T4N0M0	Malignant	+++	95
E3	43	F	62	Vulva	Malignant melanoma of vagina	III	T4N0M0	Malignant	-	0

E4	44	F	45	Vulva	Malignant melanoma	II	T4N0M0	Malignant	-	0
E5	45	F	52	Rectum	Malignant melanoma of crissum	II	T4N0M0	Malignant	-	0
E6	46	F	84	Rectum	Malignant melanoma of crissum	II	T4N0M0	Malignant	+	40
E7	47	F	67	Rectum	Malignant melanoma of crissum	II	T4N0M0	Malignant	-	0
E8	48	F	38	Rectum	Malignant melanoma	-	-	Malignant	+	10
E9	49	M	64	Rectum	Malignant melanoma	-	-	Malignant	++	90
E10	50	F	44	Rectum	Malignant melanoma	-	-	Malignant	-	0
F1	51	M	66	Rectum	Malignant melanoma	-	-	Malignant	ne	-
F2	52	F	66	Rectum	Malignant melanoma	-	-	Malignant	-	0
F3	53	M	75	Rectum	Malignant melanoma	-	-	Malignant	+	50
F4	54	F	54	Rectum	Malignant melanoma of anal tube	III	T3N2M0	Malignant	ne	-
F5	55	F	44	Rectum	Malignant melanoma	-	-	Malignant	++	20
F6	56	M	55	Stomach	Malignant melanoma	-	-	Malignant	ne	-
F7	57	M	55	Stomach	Malignant melanoma	-	-	Malignant	+++	97
F8	58	M	50	Esophagus	Malignant melanoma	-	-	Malignant	ne	-
F9	59	M	64	Esophagus	Malignant melanoma	-	-	Malignant	+++	90
F10	60	M	71	Intestine	Malignant melanoma	-	-	Malignant	++	90
G1	61	M	73	Intestine	Malignant melanoma	-	-	Malignant	+++	90
G2	62	F	70	Oral cavity	Malignant melanoma of left parotid gland	II	T4N0M0	Malignant	+	20
G3	63	F	63	Lymph node	Metastatic malignant melanoma from groin	-	-	Malignant	+	35
G4	64	M	58	Lymph node	Metastatic malignant melanoma from left groin	-	-	Malignant	-	0
G5	65	F	55	Lymph node	Metastatic malignant melanoma from left groin	-	-	Malignant	+	40
G6	66	M	44	Lymph node	Malignant malignant melanoma from groin	-	-	Malignant	-	0
G7	67	M	72	Lymph node	Metastatic malignant melanoma from right groin	-	-	Malignant	ne	-
G8	68	F	47	Lymph node	Metastatic malignant melanoma from armpit	-	-	Malignant	ne	-
G9	69	M	63	Lymph node	Metastatic malignant melanoma from right neck	-	-	Malignant	ne	-
G10	70	F	40	Lymph node	Metastatic malignant melanoma from right groin	-	-	Malignant	ne	-
H1	71	M	70	Lymph node	Malignant malignant melanoma from armpit	-	-	Malignant	+	50
H2	72	M	56	Lymph node	Metastatic malignant melanoma from left ear	-	-	Malignant	-	0
H3	73	M	68	Lymph node	Metastatic malignant melanoma from neck	-	-	Malignant	-	0
H4	74	F	72	Lymph node	Metastatic malignant melanoma from left groin	-	-	Malignant	ne	-
H5	75	F	41	Lymph node	Metastatic malignant melanoma from groin	-	-	Malignant	ne	-
H6	76	F	61	Lymph node	Metastatic malignant melanoma from right groin	-	-	Malignant	+	70
H7	77	F	38	Lymph node	Metastatic malignant melanoma from right groin (sparse)	-	-	Malignant	-	0
H8	78	F	43	Lymph node	Metastatic malignant melanoma from groin	-	-	Malignant	+++	80
H9	79	M	73	Lymph node	Metastatic malignant melanoma from groin	-	-	Malignant	+++	95
H10	80	F	56	Lymph node	Metastatic malignant melanoma from groin	-	-	Malignant	-	0
I1	81	F	49	Lymph node	Metastatic malignant melanoma from neck	-	-	Malignant	-	0
I2	82	F	41	Lymph node	Metastatic malignant melanoma from right groin	-	-	Malignant	+	80
I3	83	M	38	Skin	Compound nevus of right face	-	-	Benign	ne	-
I4	84	F	29	Skin	Compound nevus of left shoulder	-	-	Benign	+	20
I5	85	F	30	Skin	Intradermal nevus of left rump	-	-	Benign	-	0
I6	86	F	10	Skin	Junctional nevus of right foot	-	-	Benign	ne	-
I7	87	F	23	Skin	Compound nevus of right lumbar part	-	-	Benign	ne	-
I8	88	M	25	Skin	Compound nevus of left leg	-	-	Benign	++	80
I9	89	F	2	Skin	Junctional nevus of neck	-	-	Benign	+++	90

I10	90	M	0.5	Skin	Intradermal nevus of face	—	—	Benign	ne	-
J1	91	M	20	Skin	Compound nevus of left shoulder	—	—	Benign	++	70
J2	92	F	2	Skin	Intradermal nevus of right leg	—	—	Benign	++	80
J3	93	M	50	Skin	Compound nevus of upper arm	—	—	Benign	++	70
J4	94	M	19	Skin	Intradermal nevus of right genal region	—	—	Benign	++	80
J5	95	M	55	Skin	Compound nevus of back	—	—	Benign	-	0
J6	96	F	7	Skin	Compound nevus of right forearm	—	—	Benign	ne	-
J7	97	M	39	Skin	Intradermal nevuss of occipitalia	—	—	Benign	+	85
J8	98	M	11	Skin	Intradermal nevuss of left thigh	—	—	Benign	ne	-
J9	99	M	46	Skin	Intradermal nevuss of back	—	—	Benign	+++	90
J10	100	M	18	Skin	Sebaceous nevus of left frontal region	—	—	Benign	ne	-