

Appendix

Residual apoptotic activity of a tumorigenic p53 mutant improves cancer therapy responses

Appendix tables

Table S1. Histopathological analysis of tumors from p53^{EE/EE}, p53^{-/EE} and p53^{-/-} mice.

Table S2. Histopathological analysis of tumors from p53^{+/-} and p53^{+/EE} mice.

Appendix Table S1. Histopathological analysis of tumors from p53^{EE/EE}, p53^{-/EE} and p53^{-/-} mice.

Sample No	Trp53 genotype	Age	Diagnosis
1	-/-	59	Sarcoma
2	-/-	186	Thymic lymphoma
3	-/-	215	B-cell lymphoma
4	-/-	128	Thymic lymphoma
5	-/-	129	Thymic lymphoma
6	-/-	155	Thymic lymphoma
7	-/-	143	Thymic lymphoma
8	-/-	89	Sarcoma
9	-/-	186	Thymic lymphoma
10	-/-	186	Hemangiosarcoma
11	-/-	101	Thymic lymphoma
12	-/-	110	Thymic lymphoma
13	-/-	119	Thymic lymphoma
14	-/-	141	Thymic lymphoma
15	-/-	154	Thymic lymphoma
16	-/-	226	Thymic lymphoma
1	-/EE	85	Thymic lymphoma
2	-/EE	112	Thymic lymphoma
3	-/EE	123	Thymic lymphoma
4	-/EE	120	Thymic lymphoma
5	-/EE	114	Thymic lymphoma
6	-/EE	164	Thymic lymphoma
7	-/EE	204	Thymic lymphoma
8	-/EE	167	Thymic lymphoma
9	-/EE	91	Non-malignant Sertoli cell tumor
10	-/EE	100	Thymic lymphoma
11	-/EE	177	Thymic lymphoma
12	-/EE	99	Thymic lymphoma
13	-/EE	203	Thymic lymphoma
14	-/EE	135	Thymic lymphoma
15	-/EE	139	Malignant teratoma
16	-/EE	214	(Spleen: lymphatic hyperplasia)
17	-/EE	78	Sarcoma
18	-/EE	107	Thymic lymphoma
19	-/EE	128	Thymic lymphoma
20	-/EE	184	Thymic lymphoma
21	-/EE	114	Spindle cell sarcoma
22	-/EE	114	Malignant teratoma
23	-/EE	116	Thymic lymphoma
24	-/EE	120	Thymic lymphoma
25	-/EE	212	Hemangiosarcoma
26	-/EE	168	B-cell lymphoma
1	EE/EE	110	Thymic lymphoma

2	EE/EE	125	Thymic lymphoma
3	EE/EE	150	Thymic lymphoma
4	EE/EE	35	B-lymphoma
5	EE/EE	151	B-lymphoma
6	EE/EE	101	Carcinoma
7	EE/EE	74	B-lymphoma
8	EE/EE	192	B-lymphoma
9	EE/EE	258	Metastatic spindle cell sarcoma
10	EE/EE	157	Thymic lymphoma
11	EE/EE	124	Thymic lymphoma
12	EE/EE	213	Thymic lymphoma
13	EE/EE	213	Malignant seminoma
14	EE/EE	142	Thymic lymphoma
15	EE/EE	34	Thymic lymphoma
16	EE/EE	146	Thymic lymphoma
17	EE/EE	81	B-lymphoma
18	EE/EE	88	(Spleen: lymphatic hyperplasia)
19	EE/EE	133	Thymic lymphoma
20	EE/EE	262	Thymic lymphoma
21	EE/EE	262	Metastatic osteosarcoma
22	EE/EE	158	Thymic lymphoma
23	EE/EE	154	Thymic lymphoma
24	EE/EE	192	Thymic lymphoma
25	EE/EE	130	Thymic lymphoma
26	EE/EE	154	Thymic lymphoma
27	EE/EE	208	Thymic lymphoma
28	EE/EE	159	Thymic lymphoma
29	EE/EE	291	Hemangiosarcoma
30	EE/EE	150	Thymic lymphoma
31	EE/EE	223	Thymic lymphoma
32	EE/EE	189	Thymic lymphoma
33	EE/EE	183	Thymic lymphoma
34	EE/EE	304	Thymic lymphoma
35	EE/EE	265	Thymic lymphoma
36	EE/EE	298	B-lymphoma
37	EE/EE	112	(Spleen: lymphatic hyperplasia)
38	EE/EE	119	Thymic lymphoma
39	EE/EE	114	Thymic lymphoma

Appendix Table S2. Histopathological analysis of tumors from p53^{+/-} and p53^{+EE} mice. Metastatic tumors are listed in bold, non-malignant tumors in parentheses.

Sample No	Trp53 genotype	Age	Diagnosis
1	+/-	242	Lymphoma
2	+/-	400	Tubulo-papillary carcinoma
3	+/-	439	Osteosarcoma
4	+/-	511	Solid carcinoma
5	+/-	480	Tubulo-papillary carcinoma
6	+/-	412	Thymic lymphoma
7	+/-	412	Metastatic mesothelioma or carcinoma
8	+/-	514	(Spleen: lymphatic hyperplasia)
9	+/-	601	Lymphoma
10	+/-	601	Metastatic osteoplastic sarcoma
11	+/-	542	Tubulo-papillary carcinoma
12	+/-	534	Keratinizing squamous cell carcinoma
13	+/-	421	Lymphoma
14	+/-	651	Lymphoma
15	+/-	611	Lymphoma
16	+/-	611	Fibrosarcoma
17	+/-	449	Lymphoma
18	+/-	578	Keratinizing squamous cell carcinoma
19	+/-	520	Sarcoma
20	+/-	647	Sarcoma
21	+/-	703	Nephroblastoma
22	+/-	636	Hemangiosarcoma
23	+/-	668	Osteosarcoma
24	+/-	612	(Non-malignant hemangioma)
25	+/-	598	Malignant metastatic blastoma
26	+/-	625	Lymphoma
27	+/-	625	Hemangiosarcoma
28	+/-	616	Sarcoma
29	+/-	616	Bronchial carcinoma
30	+/-	621	Sarcoma
31	+/-	621	Bronchial carcinoma
32	+/-	425	Lymphoma
33	+/-	412	Lymphoma
1	+EE	341	Lymphoma
2	+EE	250	Lymphoma
3	+EE	295	(Non-malignant hemangioma)
4	+EE	391	Lymphoma
5	+EE	425	Tubulo-papillary carcinoma
6	+EE	277	(Non-malignant hemangioma)
7	+EE	481	Lymphoma
8	+EE	579	Metastatic osteosarcoma
9	+EE	514	Malignant blastoma
10	+EE	413	Malignant blastoma
11	+EE	443	Malignant blastoma

12	+/EE	519	(Spleen: lymphatic hyperplasia)
13	+/EE	448	Sarcoma
14	+/EE	637	Metastatic osteosarcoma
15	+/EE	583	Endometrium: hyperplasia
16	+/EE	570	Malignant teratoma
17	+/EE	681	Hemangiosarcoma
18	+/EE	567	Malignant granulosa cell tumor
19	+/EE	760	Lymphoma
20	+/EE	591	(Spleen: lymphatic hyperplasia)
21	+/EE	631	Metastatic hemangiosarcoma
22	+/EE	676	Metastatic bronchial carcinoma