

# Loss of TRP53 (p53) accelerates tumorigenesis and changes the tumor spectrum of SJL/J mice – Branca et al

Supplementary Table1:

Supplementary Table 1: Genes associated with the Haplotypes of the tumor prone versus tumor resistant mice												
chr	start	stop	B6	FVB	C3H	129S1	SJL	BALBc	RefSeq	Role	Selected Literature	
1	194593441	194943440	0	0	0	0	0	7	Gm39748;LOC108167784;Mir3962;Ptxa2;Cd34	Cancer	<a href="https://www.ncbi.nlm.nih.gov/pubmed/25519836">https://www.ncbi.nlm.nih.gov/pubmed/25519836</a>	
2	90310110	90650109	7	7	7	7	7	1	Olf1274- ps;Gm13769;Gm39869;Gm39871;Pprj;LOC108168775;4933423P22Rik;Gm39870	Cancer	<a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5955124/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5955124/</a>	
2	90720110	90900109	7	7	7	7	7	1	Nup160;Ndufs3;Gm32514;Gm39872;C1qtn14;Agbl2;Fnbp4;Mth2	Cancer	<a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4069086/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4069086/</a>	
2	5080110	5250109	1	1	1	1	1	3	LOC108168737;Gm39755;Cc2dc3	Cancer	<a href="https://www.ncbi.nlm.nih.gov/pubmed/31081073">https://www.ncbi.nlm.nih.gov/pubmed/31081073</a>	
2	91020110	91360109	7	7	7	7	7	5	Gm39874;Psmc3;Madd;Spi1;110051M20Rik;Gm39875;Acp2;LOC102632821;Gm31054;Rapsn;Arfgap2;Nr1h3;A330069E16Rik;Mybp3;Slc39a13;D4db2;Pascin3	Cancer	<a href="https://www.ncbi.nlm.nih.gov/pubmed/28219737">https://www.ncbi.nlm.nih.gov/pubmed/28219737</a>	
2	102350110	102380109	4	4	4	4	4	6	Trim44	Cancer	<a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6437891/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6437891/</a>	
3	69012787	69032786	3	3	3	3	3	1	0 Smc4	Cancer	<a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5043270/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5043270/</a>	
3	69172787	69222786	3	3	3	3	3	1	4 Arl14	Cancer		
3	65612787	65672786	5	5	5	5	5	6	3 Lekt1;Mir8120	Cancer	<a href="https://www.ncbi.nlm.nih.gov/pubmed/27378695">https://www.ncbi.nlm.nih.gov/pubmed/27378695</a>	
5	135970235	136130234	1	1	1	1	1	3	Zp3;Mir7035;Gm40347;Upk3b1;Rasa4;Upk3b;Lwd1;Ssc4d;P2olr2j;Dtx2	Cancer	<a href="https://www.ncbi.nlm.nih.gov/pubmed/25147919">https://www.ncbi.nlm.nih.gov/pubmed/25147919</a>	
5	51480235	51500234	2	2	2	2	2	4	5 Ppargc1a	Cancer	<a href="https://www.ncbi.nlm.nih.gov/pubmed/28803067">https://www.ncbi.nlm.nih.gov/pubmed/28803067</a>	
7	50636246	50886245	7	7	7	7	7	0	4 Nell1	Cancer	<a href="https://www.ncbi.nlm.nih.gov/pubmed/25726761">https://www.ncbi.nlm.nih.gov/pubmed/25726761</a>	
7	51516246	51586245	7	7	7	7	7	5	2 Gm33190;Ano5	Cancer	<a href="https://www.ncbi.nlm.nih.gov/pubmed/28902351">https://www.ncbi.nlm.nih.gov/pubmed/28902351</a>	
7	51876246	51936245	3	3	3	3	3	5	7 Gas2	Cancer	<a href="https://www.ncbi.nlm.nih.gov/pubmed/26358320">https://www.ncbi.nlm.nih.gov/pubmed/26358320</a>	
7	61826246	61906245	2	2	2	2	2	6	7 Mir344;A230057D06Rik;Mir344c	Cancer	<a href="https://www.ncbi.nlm.nih.gov/pubmed/24333578">https://www.ncbi.nlm.nih.gov/pubmed/24333578</a>	
10	119729197	119799196	7	7	7	7	7	0	3 Gnp1os2;Grip1;LOC1081677	Cancer	<a href="https://www.ncbi.nlm.nih.gov/pubmed/28878246">https://www.ncbi.nlm.nih.gov/pubmed/28878246</a>	
11	16815934	16865933	1	1	1	1	1	4	2 Egrf	Cancer	<a href="https://www.ncbi.nlm.nih.gov/pubmed/16377102">https://www.ncbi.nlm.nih.gov/pubmed/16377102</a>	
11	35405934	35475933	0	0	0	0	0	4	2 Slii3	Cancer	<a href="https://www.ncbi.nlm.nih.gov/pubmed/27082735">https://www.ncbi.nlm.nih.gov/pubmed/27082735</a>	
11	99745934	100025933	2	2	2	2	2	4	6 Krtap family	Cancer	<a href="https://www.ncbi.nlm.nih.gov/pubmed/27375028">https://www.ncbi.nlm.nih.gov/pubmed/27375028</a>	
11	20555934	20635933	6	6	6	6	6	5	2 Sertad2	Cancer	<a href="https://www.ncbi.nlm.nih.gov/pubmed/27827314">https://www.ncbi.nlm.nih.gov/pubmed/27827314</a>	
11	56985934	57075933	4	4	4	4	4	5	0 Grn1	Cancer	<a href="https://www.ncbi.nlm.nih.gov/pubmed/28979808">https://www.ncbi.nlm.nih.gov/pubmed/28979808</a>	
11	99515934	99545933	2	2	2	2	2	5	6 Krt40;Krt39	Cancer	<a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6435686/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6435686/</a>	
11	34265934	34315933	3	3	3	3	3	6	2 Dock2;4930403D09Rik;Fam1296b	Cancer	<a href="https://www.ncbi.nlm.nih.gov/pubmed/26658103">https://www.ncbi.nlm.nih.gov/pubmed/26658103</a>	
14	57384187	57424186	0	0	0	0	0	1	2 Cry11;Jff88	Cancer	<a href="https://www.ncbi.nlm.nih.gov/pubmed/28489570">https://www.ncbi.nlm.nih.gov/pubmed/28489570</a>	
16	42188121	42288120	6	6	6	6	6	2	0 Gap43	Cancer	<a href="https://www.ncbi.nlm.nih.gov/pubmed/30419922">https://www.ncbi.nlm.nih.gov/pubmed/30419922</a>	
16	41978121	42038120	6	6	6	6	6	3	0 Lsamp	Cancer	<a href="https://www.ncbi.nlm.nih.gov/pubmed/26844274">https://www.ncbi.nlm.nih.gov/pubmed/26844274</a>	
16	42158121	42188120	6	6	6	6	6	3	0 Lsamp	Cancer	<a href="https://www.ncbi.nlm.nih.gov/pubmed/26844274">https://www.ncbi.nlm.nih.gov/pubmed/26844274</a>	
17	34857454	34867453	2	2	2	2	2	0	4 Mir6972;Cfb;C2	Cancer	<a href="https://www.ncbi.nlm.nih.gov/pubmed/28322200">https://www.ncbi.nlm.nih.gov/pubmed/28322200</a>	
18	59042495	59102494	0	0	0	0	0	6	7 A730017C20Rik;Adams19	Cancer	<a href="https://www.ncbi.nlm.nih.gov/pubmed/26534009">https://www.ncbi.nlm.nih.gov/pubmed/26534009</a>	
19	21275547	21435546	6	6	6	6	6	5	4 Zfand5;Gda	Cancer	<a href="https://www.ncbi.nlm.nih.gov/pubmed/30953370">https://www.ncbi.nlm.nih.gov/pubmed/30953370</a>	
7	27746246	27776245	2	2	2	2	2	7	5 Gm10046;Zfp60	Cartilage Differentiation	<a href="https://www.ncbi.nlm.nih.gov/pubmed/12469909">https://www.ncbi.nlm.nih.gov/pubmed/12469909</a>	
10	119819197	120139196	7	7	7	7	7	0	1 Helb;Grip1;Grip1os1	DNA Repair	<a href="https://www.ncbi.nlm.nih.gov/pubmed/26774285">https://www.ncbi.nlm.nih.gov/pubmed/26774285</a>	
12	79651693	79991692	6	6	6	6	6	0	1 Rad51b	DNA repair, Cancer	<a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4554751/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4554751/</a>	
11	80055934	80135933	1	1	1	1	1	3	2 Atad5;Crif3	Immunity	<a href="https://www.ncbi.nlm.nih.gov/pubmed/25404367">https://www.ncbi.nlm.nih.gov/pubmed/25404367</a>	
19	25175547	25195546	3	3	3	3	3	5	2 Dock8	Immunity	<a href="https://www.ncbi.nlm.nih.gov/pubmed/28366940">https://www.ncbi.nlm.nih.gov/pubmed/28366940</a>	
6	99491551	99701550	3	3	3	3	3	7	Gpr27;LOC108169204;Foxp1;Eif4e3	Immunity, Cancer	<a href="https://www.ncbi.nlm.nih.gov/pubmed/26654944">https://www.ncbi.nlm.nih.gov/pubmed/26654944</a>	
7	63896246	63956245	2	2	2	2	2	6	E030018B13Rik;Gm27252;LOC108167433;Klf13	Microtubule Dynamics	<a href="https://www.ncbi.nlm.nih.gov/pubmed/26948876">https://www.ncbi.nlm.nih.gov/pubmed/26948876</a>	
7	63506246	63526245	2	2	2	2	2	6	1 Otud7a	Neural Development	<a href="https://www.ncbi.nlm.nih.gov/pubmed/29395074">https://www.ncbi.nlm.nih.gov/pubmed/29395074</a>	
12	80151693	80311692	6	6	6	6	6	0	1 Gm29952;Actn1	Thrombocytopenia	<a href="https://www.ncbi.nlm.nih.gov/pubmed/25361813">https://www.ncbi.nlm.nih.gov/pubmed/25361813</a>	
7	61266246	61276245	2	2	2	2	2	0	4 Gm31445	Unknown		
7	36676246	36686245	4	4	4	4	4	5	2 Gm36722	Unknown		
7	61526246	61666245	2	2	2	2	2	6	4 B230209E15Rik	Unknown		
7	63996246	64016245	2	2	2	2	2	6	5 Gm32633	Unknown		
10	117849197	117909196	0	0	0	0	0	3	5 Gm32605;Gm40773;Gm3255	Unknown		
19	43645547	43655546	0	0	0	0	0	4	5 Gm34922	Unknown		
2	102470110	102480109	4	4	4	4	4	6	5			
3	62252787	62272786	4	4	4	4	4	7	3			
6	76011551	76031550	0	0	0	0	0	3	4			
6	75311551	75321550	0	0	0	0	0	7	3			
7	36396246	36426245	4	4	4	4	4	3	0			
7	51066246	51096245	7	7	7	7	7	3	0			
7	51096246	51166245	7	7	7	7	7	5	0			
7	51246246	51356245	7	7	7	7	7	5	0			
7	52376246	52416245	3	3	3	3	3	5	4			
7	62866246	63006245	2	2	2	2	2	6	1			
7	64476246	64496245	3	3	3	3	3	7	5			
10	117569197	117579196	0	0	0	0	0	3	5			
10	118349197	118399196	0	0	0	0	0	3	1			
11	7475934	7495933	2	2	2	2	2	3	7			
11	35015934	35115933	2	2	2	2	2	4	3			
18	58702495	58722494	0	0	0	0	0	1	4			
18	65832495	65852494	3	3	3	3	3	7	6			
19	26975547	27055546	3	3	3	3	3	5	4			