

Supplementary information, Figure S3

A

SSC colonies carrying mutated *p53*

WT <i>p53</i>	TGGCTTCCACCTGGGCTTCCTGCAGTCTGGGACAGCCAAGTCTGTTATGT	
Biallelic mutation (Homozygous)	TGGCTTCCACCTGGGCTTCCTGC-GTCTGGGACAGCCAAGTCTGTTATGT	-1 (×2)
	TGGCTTCCACCTGGGCTTCCTG--GTCTGGGACAGCCAAGTCTGTTATGT	-2 (×1)
	TGGCTTCCACCTGGGCTTCCTGCAGT-TGGGACAGCCAAGTCTGTTATGT	-1 (×1)
	TGGCTTCCACCTGGGCTTCCTGCAGT----GACAGCCAAGTCTGTTATGT	-4 (×1)
	TGGCTTCCACCTGGGCTTCCTGCA aGTCTGGGACAGCCAAGTCTGTTATGT	+1 (×3)
Biallelic mutation (Heterozygous)	TGGCTTCCACCTGGGCTTCCTGCA aGTCTGGGACAGCCAAGTCTGTTATGT	+1
	TGGCTTCCACCTGGGCTTCCTG--GTCTGGGACAGCCAAGTCTGTTATGT	-2
	TGGCTTCCACCTGGGCTTCCTTG-----CAAGTCTGTTATGT	-13
	TGGCTTCCACCTGGGCTTCCTGCA aGTCTGGGACAGCCAAGTCTGTTATGT	+1
	TGGCTTCCACCTGGGCTTCCTG--GTCTGGGACAGCCAAGTCTGTTATGT	-2
	TGGCTTCCACCTGGGCTTCCTGC-----GGGACAGCCAAGTCTGTTATGT	-5

B

SSC colonies carrying triple mutations

Clone 2

	TGGCTTCCACCTGGGCTTCCTGCAGTCTGGGACAGCCAAGTCTGTTATGT	WT
<i>p53</i>	TGGCTTCCACCTGGGCTTCCTGCA aGTCTGGGACAGCCAAGTCTGTTATGT	+1
	TGGCTTCCACCTGGGCTTCCTG--GTCTGGGACAGCCAAGTCTGTTATGT	-1
<i>Crygc</i>	CTGCTGAGGCCTCAAGAGTACCGGCGCTTCCAGGACTGGGGCTCTGTAGATGC	WT
	CTGCTGAGGCCTCAAGAG--CCGGCGCTTCCAGGACTGGGGCTCTGTAGATGC	-2
	CTGCTGAGGCC-----GGCGCTTCCAGGACTGGGGCTCTGTAGATGC	-11
<i>Exo5</i>	GAAAGGGGGATTGGATGTCTTGTCACCCATGGAGAGATTCCACCTGAA	WT
	GAAAGGGGGATTGGATGTCTTGTCAACC-ATGGAGAGATTCCACCTGAA	-1
	GAAAGGGGGATTGGATGTCTTGTCAACC-ATGGAGAGATTCCACCTGAA	-1

Clone 5

	TGGCTTCCACCTGGGCTTCCTGCAGTCTGGGACAGCCAAGTCTGTTATGT	WT
<i>p53</i>	TGGCTTCCACCTGGGCTTCCTGC-----GGGACAGCCAAGTCTGTTATGT	-5
	TGGCTTCCACCTGGGCT-----GGGACAGCCAAGTCTGTTATGT	-11
<i>Crygc</i>	CTGCTGAGGCCTCAAGAGTACCGGCGCTTCCAGGACTGGGGCTCTGTAGATGC	WT
	CTGCTGAGGCCTCAAGAA--CCGGCGCTTCCAGGACTGGGGCTCTGTAGATGC	-3+1
	CTGCTGAGGCCTCAAGA-TACCGGCGCTTCCAGGACTGGGGCTCTGTAGATGC	-1
<i>Exo5</i>	GAAAGGGGGATTGGATGTCTTGTCACCCATGGAGAGATTCCACCTGAA	WT
	GAAAGGGGGATTGGATGTCTTGTCAACC-ATGGAGAGATTCCACCTGAA	-1
	GAAAGGGGGATTGGATGTCTTGTCA----TGGAGAGATTCCACCTGAA	-4

Figure S3 The sequences of the *p53* gene in SSC colonies (**A**) and the sequences of the *p53*, *Crygc* and *Exo5* genes in SSC colonies (**B**). Deletions are indicated with (-), insertions are indicated with (+). Small letter represents the inserted nucleotide.