

Table S9. Mutation spectrum in the category "ura3 (from can1 ura3 set) - DSB-cen ; UV, 45 J/m²"

Mutant #	Position in URA3 (coding strand)	Distance between adjacent mutations	WT base	Mutant base	Del/Add (-/+ # of nt)	WT sequence context	Mutant sequence context	Type of mutation	# of mutations in mutant
3	438		CTTTGAT	TTTTGAA		CTAGAGGCcTTTTGAtGTTAGCAG	CTAGAGGcTTTTGAAgTTAGCAG	compl	1
5	534		T	C		AAAGATTTtGTTATCGG	AAAGATTTcGTTATCGG	sub	1
6	543		--	TT	+2	ATCGGCTT--TATTGCTC	ATCGGCTTtTATTGCTC	indel	1
8	173		T	C		TGTTTACTAAAAACAC	TGTTTAcAAAAACAC	sub	1
11	546		TTG	AAT		CGGCTTTAtgCTCAAAGA	CGGCTTTAaatCTCAAAGA	compl	1
13	258		-	A	+1	ACAATTTT-TTACTCTT	ACAATTTTaTTACTCTT	indel	1
14	335		T	A		ATACAGAAAtAGCAGAAT	ATACAGAAaAGCAGAAT	sub	1
15	553		C	T		TTATTGCTcAAAGAGAC	TTATTGCTtAAAGAGAC	sub	1
16	200		--	TT	+2	TGATTTTT--CCATGGAG	TGATTTTTtCCATGGAG	indel	1
17	360		T	A		ATTACGAAtGCACACGG	ATTACGAaAGCACACGG	sub	1
18	389		T	A		AGGTATTGtTAGCGGTT	AGGTATTGaTAGCGGTT	sub	1
19	168		T	A		AAAAATTGtTACTAAA	AAAAATTGaTACTAAA	sub	1
20	373		T	-	-1	CGGTGTGtGGGCCAG	CGGTGTGG-GGGCCAG	indel	1
22	104		C	T		GTGTGCTTcATTGGATG	GTGTGCTTtATTGGATG	sub	1
23	605		C	A		TATGACACcCGGTGTGG	TATGACACaCGGTGTGG	sub	1
27	230		T	C		TAAGCCGcTAAAGGCAT	TAAGCCGCcAAAGGCAT	sub	1
28	2		T	A		ATAAATCAAtGTCGAAAG	ATAAATCAaGTCGAAAG	sub	1
30	246		A	-	-1	ATCCGCCAaGTACAATT	ATCCGCCA-GTACAATT	indel	1
33	651		T	G		CAACAGTAtAGAACCCT	CAACAGTAgAGAACCCT	sub	1
36	254		T	-	-1	CAATTTTTtACTCTTCG	CAATTTTT-ACTCTTCG	indel	1
39	698		T	A		TATTATTGtTGAAGAG	TATTATTGaTGAAGAG	sub	1
42	604		CC	TT		TATGACACccGGTGTGGG	TATGACActtGGTGTGGG	compl	1
43	356		C	A		AGACATTAcGAATGCAC	AGACATTaGAATGCAC	sub	1
44	623		C	-	-1	TTAGATGAcAAGGGAGA	TTAGATGA-AAGGGAGA	indel	1
45	242		C	T		GGCATTATcCGCCAAGT	GGCATTATtCGCCAAGT	sub	1
47	221		T	A		GGGCACAGtTAAGCCGC	GGGCACAGaTAAGCCGC	sub	1
48	62		T	C		TGCCAAGCtATTTAATA	TGCCAAGCcATTTAATA	sub	1
49	698		T	A		TATTATTGtTGAAGAG	TATTATTGaTGAAGAG	sub	1
50	200		-	T	+1	TGATTTTT-CCATGGAG	TGATTTTTtCCATGGAG	indel	1
56	636		T	-	-1	AGACGCATtGGTCAAC	AGACGCAT-GGGTCAAC	indel	1
57	230		T	C		TAAGCCGcTAAAGGCAT	TAAGCCGCcAAAGGCAT	sub	1
2	159		A	-	-1	GTCCCAAaTTTGTTTA	GTCCCAA-TTTGTTTA	indel	2
2	313	154	T	A		AATTGCAGtACTCTGCG	AATTGCAGaACTCTGCG	sub	
4	537		T	C		GATTTTGTtATCGGCTT	GATTTTGTcATCGGCTT	sub	2
4	614	77	--	TT	+2	GTGGGTTT--AGATGACA	GTGGGTTTtAGATGACA	indel	
51	419		C	-	-1	AGAAGTAAcAAAGGAAC	AGAAGTAA-AAAGGAAC	indel	2
51	473	54	C	T		CAAGGGCTcCCTATCTA	CAAGGGCTtCCTATCTA	sub	

See footnotes to Table S4

The *URA3* coding strand corresponds to unresected strand in the DSB-cen construct