

Table S3. SFDA driven by oligos with homology as short as 20 bases.

Strain	No oligo	A20B60 _s	C60D20 _s	A20B60 _s +C60D20 _s
No DSB				
KM-201,203 (WT)	<0.01 (0-0)	0.06 (0-0.2)	0.06 (0-0.2)	0.06 (0-0.2)
KM-339,341 (Δ <i>sgsI</i>)	<0.01 (0-0)	0.1 (0-0.4)	0.1 (0-0.4)	0.3 (0-1)
DSB				
KM-221,222 (WT)	<0.01 (0-0)	0.06 (0-0.2)	<0.01 (0-0)	0.05 (0-0.1)
KM-343,345 (Δ <i>sgsI</i>)	<0.01 (0-0)	0.1 (0-0.3)	<0.01 (0-0)	1 (0.5-2)

Mean of Ura⁺ colonies per 10⁷ viable cells obtained after transformation of wild-type and *sgsI* mutant cells with no oligos, A20B60_s, C60D20_s or A20B60_s + C60D20_s oligos from six determinations; the range is shown in parenthesis.