## Additional file 4: Fig. S3

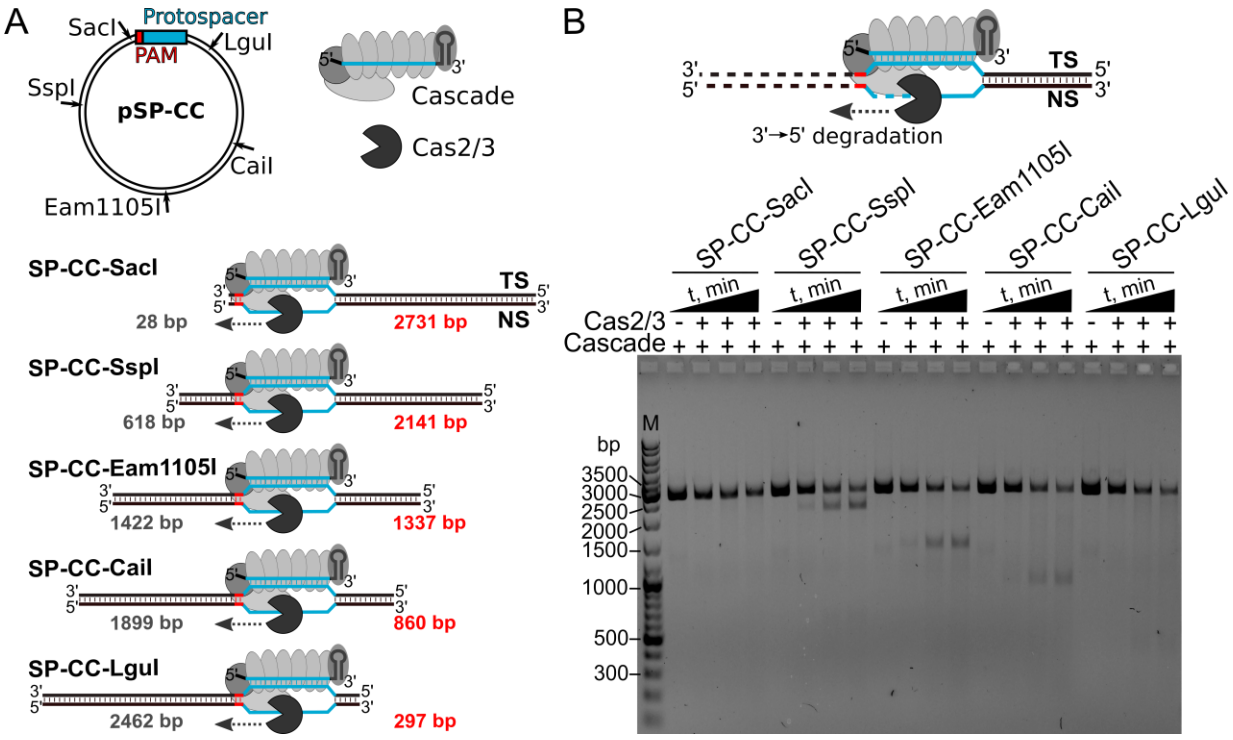


**Fig. S3**. *Cas2/3-mediated DNA degradation.* (**A**) *Preparation of linearized plasmid substrates*. Plasmid pSP-CC was cleaved using either of SacI, SspI, Eam1105I, CailI, or LguI restriction endonucleases producing long (2759 bp) linear double-stranded DNA molecules that contain protospacer in different positions with the same directionality. A presumable double-stranded break between PAM and protospacer would generate DNA fragments of indicated lengths. (**B**) *Cas2/3 degradation of Cascade-bound linearized DNA targets*. Five linear DNA fragments pSP-CC-SacI, pSP-CC-SspI, pSP-CC-Eam1105I, pSP-CC-CailI, and pSP-CC-LguI were pre-incubated with WT Cascade complex then treated with Cas2/3 (for 5, 30, and 60 min). Cas2/3 degrades DNA target upstream from the protospacer (in a protospacer-PAM direction) leaving downstream DNA fragment intact (red-coloured numbers in the **A**).