SUPPLEMENTARY APPENDIX

This appendix has been provided by the authors to give readers additional information about their work.

Supplement to:
Multiple-site fragment deletion, insertion and substitution mutagenesis by modified overlapping extension PCR

Fanli Zeng, Yujie Zhang, Ze Zhang, Asrar Ahmad Malik and Yibin Lin

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Supplementary Appendix

**ERCC8 gene**
>gi|189083847:12-1320 *Homo sapiens* excision repair cross-complementation group 8 (ERCC8), transcript variant 1, mRNA
CCCGCCCTGAAGCTCTGACATGAGGACGCTCCAGAGGGTGGAGACAGATGCTGGGTTTTGGTCCGCAGCCAAACGGGGTTTG
GAGGACCCCTCTGGGTCAGCAAGAGCAACAGGAGAGTTTGGATGGGACTGGAAATATAGAGAAGAGATGACTG
TTGGGTTTTTGTCGCAGGCCAAGGGGTTTG
GAGGACCCTCTGGGTCAGCAAGAGCAACAGGAGAGTTTGGATGGGACTGGAAATATAGAGAAGAGATGACTG
TTGGGTTTTTGTCGCAGGCCAAGGGGTTTG

**Figure S1** Sequences of the *ERCC8* gene and the ERCC8 protein included in this study.
Note: The highlight shows the coding sequence of the *ERCC8* gene.
Figure S2 Primers used for single-site mutagenesis studies.
Note: Asterisks (*) indicate the location of the mutations.

**DNA sequence used for insertion or replacement mutagenesis**

Figure S3 DNA sequences involved in replacement, insertion and deletion mutagenesis studies.
Note: The highlighted DNA sequence shows the location of the DNA that will be replaced by the other DNA sequence marked in underlined text or will be deleted completely. The red arrow shows the position where the other DNA sequence (marked in underlined text) will be inserted into.