

# Supporting Information

Schweidenback and Baker 10.1073/pnas.0805868105

Insertion Site of Mu Left End (in base pairs along Arc target plasmid)	Number of Observed insertions at this site into Arc target	Number of Observed insertions at this site into non-Arc target	Target DNA Sequence At insertion Sites
410	6	0	5' gtggt↓acggt gaaaa caca tgcca↑ctttt '5
465	3	0	5' ttcgt↓ctcag ccaat aagca gagtc↑ggtta '5
517	2	0	5' ccaat↓atgga caact ggta tacct↑gttga '5
580	2	1	5' aggtg↓ctgat gccgc tccac gacta↑cggcg '5
912	1	2	5' gtttg↓ctcag gctct caaac gagtc↑cgaga '5
958	0	2	5' attta↓ttctg cctcc taaat aagac↑ggagg '5
974	1	3	5' agagc↓ctgat aaaaa tctcg gacta↑ttttt '5

**Fig. S1.** Nucleotide sequences of several of the Mu transposition target sites represented in Fig. 5B. The target sites were cloned from PCR-amplified donor–target joints from *in vitro* transposition reactions containing FP<sub>WT</sub>-ADP and either pCS14 (non-Arc) or pCS15 (Arc) target plasmid. The insertion site of the Mu left end is marked with a red arrow. The presumed insertion site of the Mu right end is marked with blue arrow. Many of the sites were obtained from multiple different clones.