### Supplementary Materials

**Figure S1** - Two-step protocol to generate initial MosTI landing sites

**Figure S2** - Generating new MosTI landing site.

**Figure S3** - MosTI overview.

**Figure S4** - Position effect variegation following array integration.

**Figure S5** - Indels in integration fragments within integrated arrays.

**Figure S6** - Fluorophore expression is unchanged after ten generations for integrated array.

**Figure S7** - Sequencing read coverage to detect large-scale duplications and deletions .

**Table S1** - Strains, plasmids, insertion sites, SNPs CFJ42 and CFJ77

**File S1** - GenBank annotated plasmid sequence files.