**Supplementary File 2: Plasmids used in this study.** Abbreviations: Kan = kanamycin, Amp = ampicillin, Chl = chloramphenicol. Superscript “R” = resistance. “-“ = fusion.

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| **Plasmid** | **Genotype/ Relevant features** | **Reference** |
| pKD3 | R6K ori, chloramphenicol acetyl transferase cassetteflanked *by frt*, AmpR. | (Datsenko & Wanner, 2000) |
| pKD4 | R6K ori, *T*n5 neomycin phosphotransferase cassette flanked *by frt*, AmpR. | (Datsenko & Wanner, 2000) |
| pKD46 | Temperature sensitive replication origin oriR101, arabinose-inducible lambda recombinase genes*,* AmpR. | (Datsenko & Wanner, 2000) |
| pCP20 | Temperature sensitive replication origin oriR101, Flp recombinase gene, ChlR, AmpR. | (Cherepanov & Wackernagel, 1995) |
| pNUT1361 | pSC101\*, Kan***R,*** P*tac-sfgfp*. | Drescher lab stock |
| pNUT2338 | pSC101\*, Kan***R,*** P*tac-mRuby2-mRuby2*. | This study |
| pUC18R6KT-mini-Tn7-Km | R6K ori, contains *Tn7L* and *Tn7R* sites, between these sites a *T*n5 neomycin phosphotransferase cassette flanked *by frt*, AmpR. | (Choi et al., 2005), Addgene #64969 |
| pTNS2 | R6K ori, plasmid for transposase (*tnsABCD*) expression, AmpR. | (Choi et al., 2005), Addgene #64968 |
| pNUT2674 | pKD4 backbone, P*tac-sfgfp*(ASV), coding for an unstable superfolder GFP with the AANDENYAASV-tag. | This study |
| pNUT2787 | pUC18R6KT-mini-Tn7-Km backbone. Tn5 neomycin phosphotransferase cassette replaced by a chloramphenicol acetyl transferase cassette | This study |
| pNUT2838 | pNUT2787 backbone. P*tac-sfgfp*(ASV), coding for an unstable superfolder GFP with the AANDENYAASV-tag, placed between *Tn7L* and *Tn7R* sites. | This study |