150413 **Preparation of retroviral vector plasmids**

We notice that retroviral expression vectors for tagged dCas9 and gRNA recombine significantly frequently. To avoid such undesired recombination, follow the instructions below:

1. Use competent cells with low recombination frequency for transformation. We use SURE2 competent cells (Agilent Technologies, cat. #200152, 200238).

2. Incubate liquid culture at **30°C**.

3. If you still observe recombination after following the instructions above, expand transformed *E. coli* on agar plates.