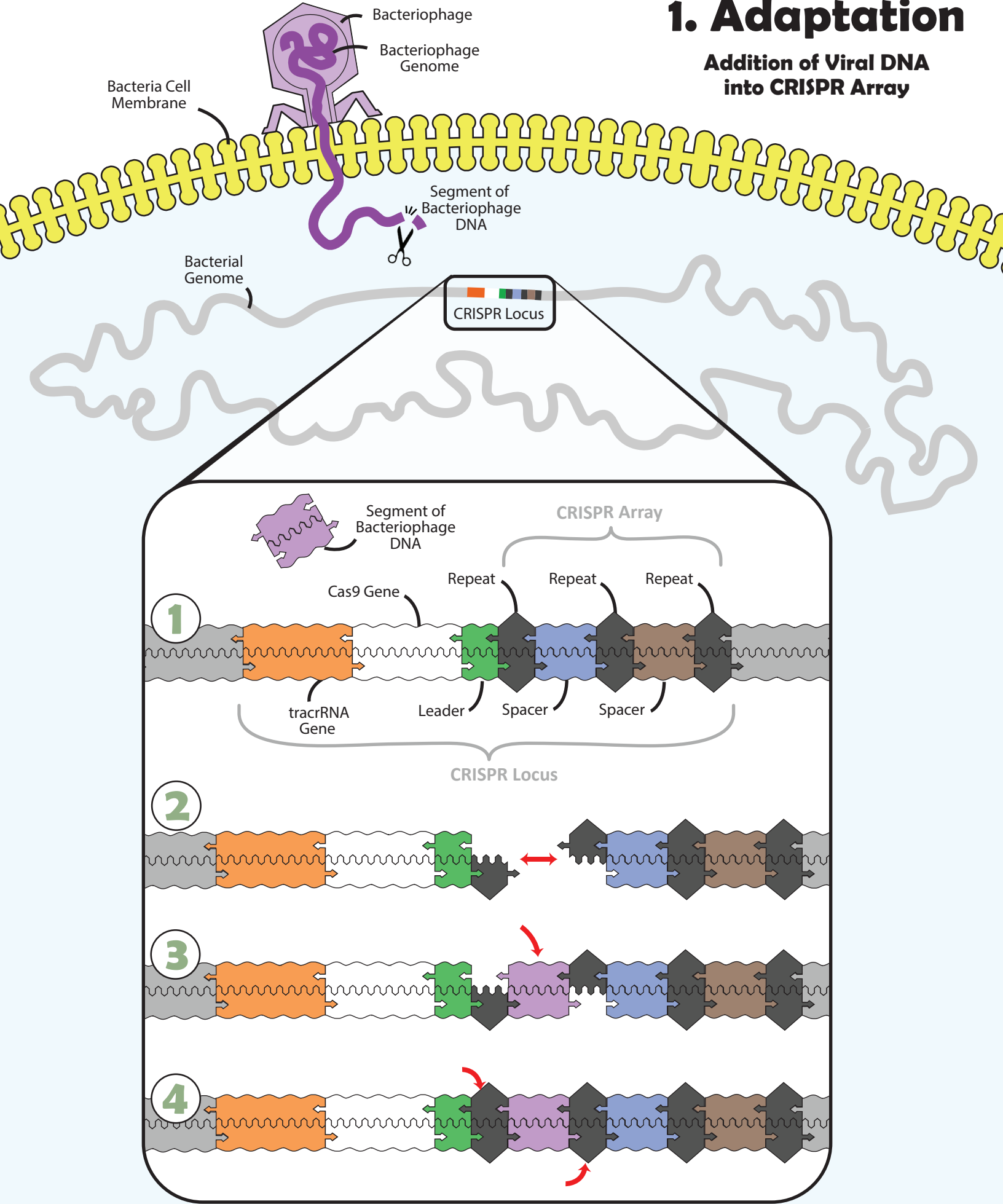


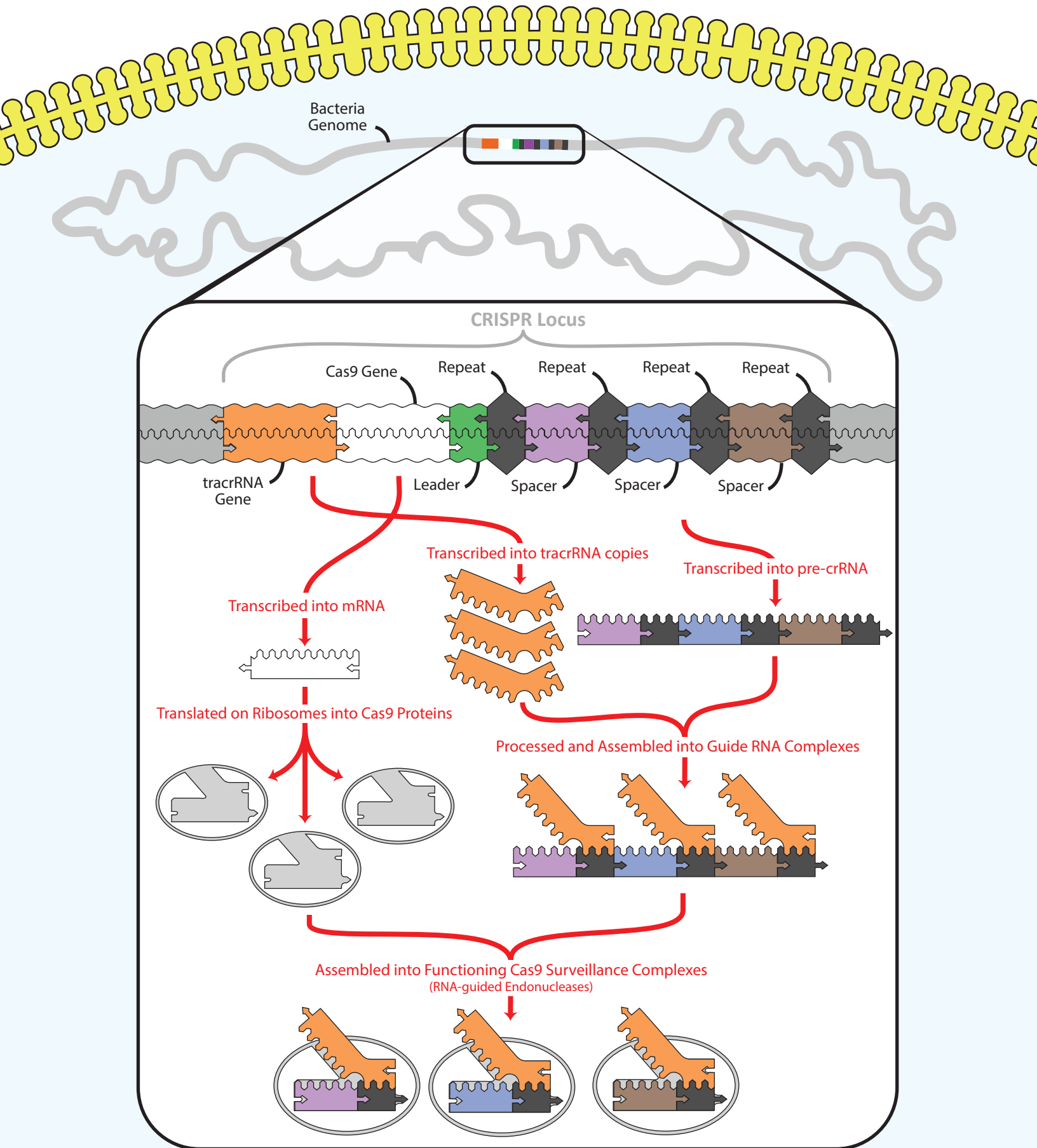
1. Adaptation

Addition of Viral DNA into CRISPR Array



2. Expression of CRISPR Locus Genes

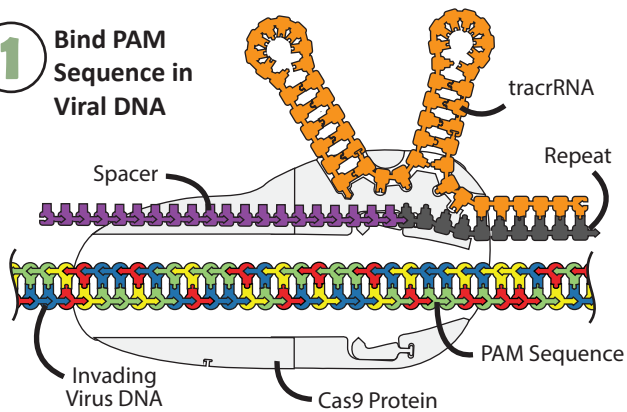
Building Cas9 Surveillance Complexes



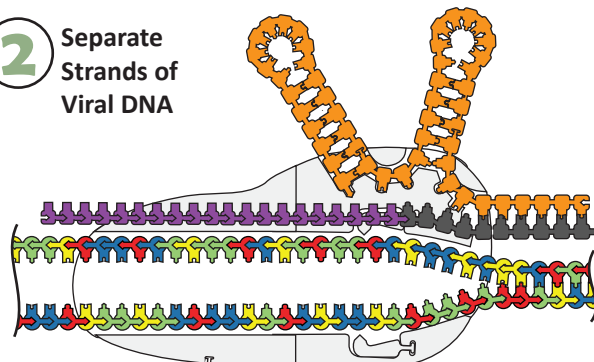
3. Invader Silencing

Cutting the DNA of an Incoming Virus

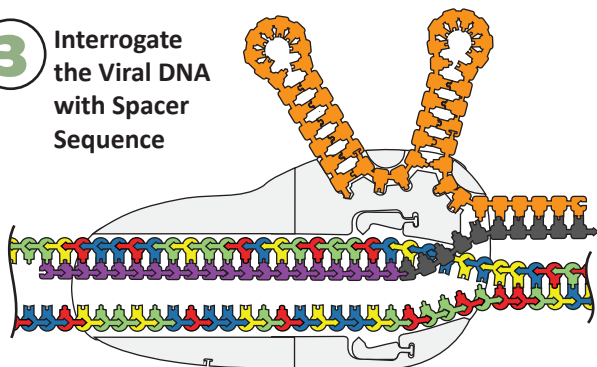
1 Bind PAM Sequence in Viral DNA



2 Separate Strands of Viral DNA



3 Interrogate the Viral DNA with Spacer Sequence



4 Cut the Viral DNA

