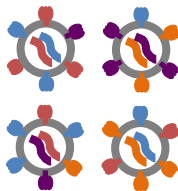
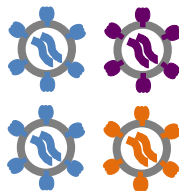


A**mutant
plasmids****transfection
supernatant****passaged
virus****short
infection**

293T cells

SupT1 cells

SupT1 cells

deep sequencing**amino-acid
preference****site****B****replicates**