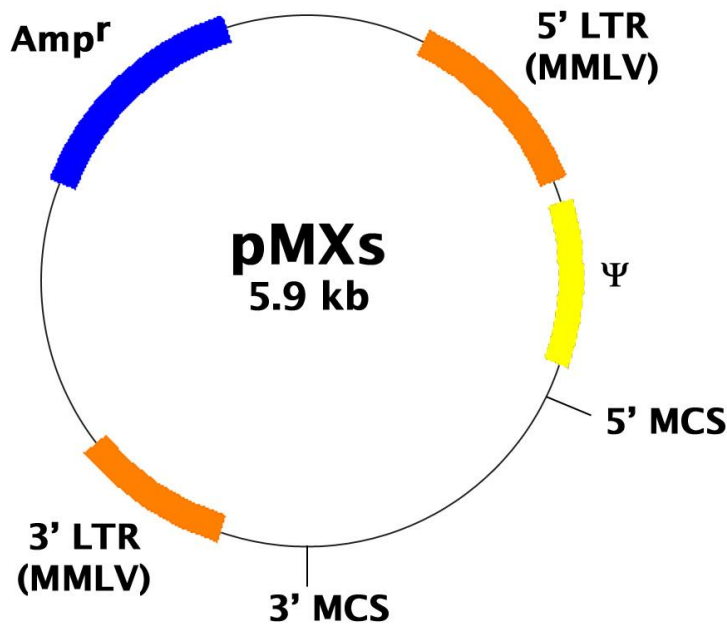


# pMXs: retroviral reprogramming vector maps



## 5'-MCS:

- Enzyme Sites: 5'-PacI, BamHI, EcoRI, HindIII-3'
- MCS Sequence:

```
TTAATTAAGGATCCCAGTGTGGTGGTACGGGAATT
CAAGCTTGATC
```

## 3'-MCS:

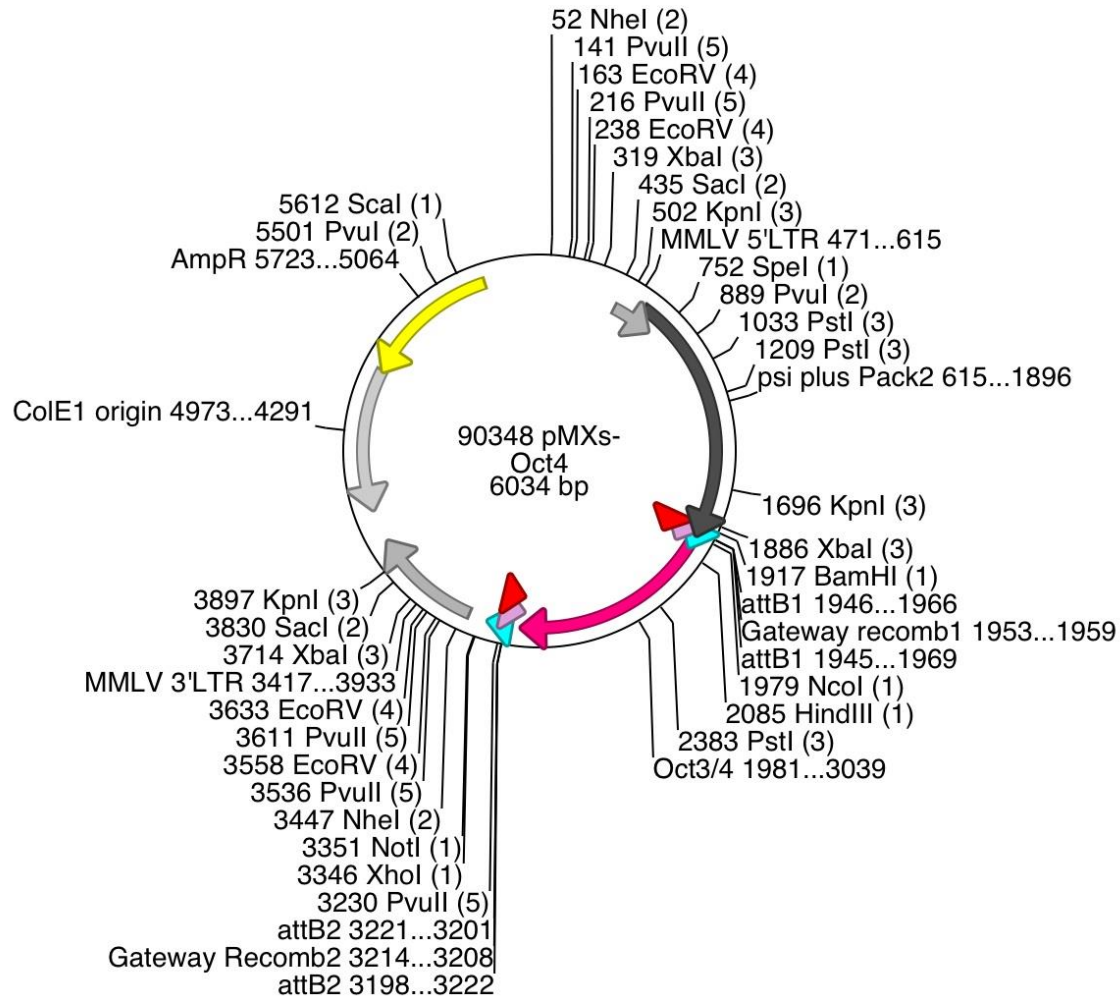
- Enzyme Sites: 5'-EcoRI, XhoI, NotI, Sall-3'
- MCS Sequence:

```
GGCGGAATTCCAGCTGAGCGCCGGTTCGCTACCAT
TACCAGTTGGTCTGGTGTCAAAAA
TAATAATAACCGGGCAGGCCATGTCTGCCCGTATTT
CGCGTAAGGAAATCCATTATGT
ACTATTTAAACTCGAGCGGCCAGCACAGTGG
TCGACGATAA
```

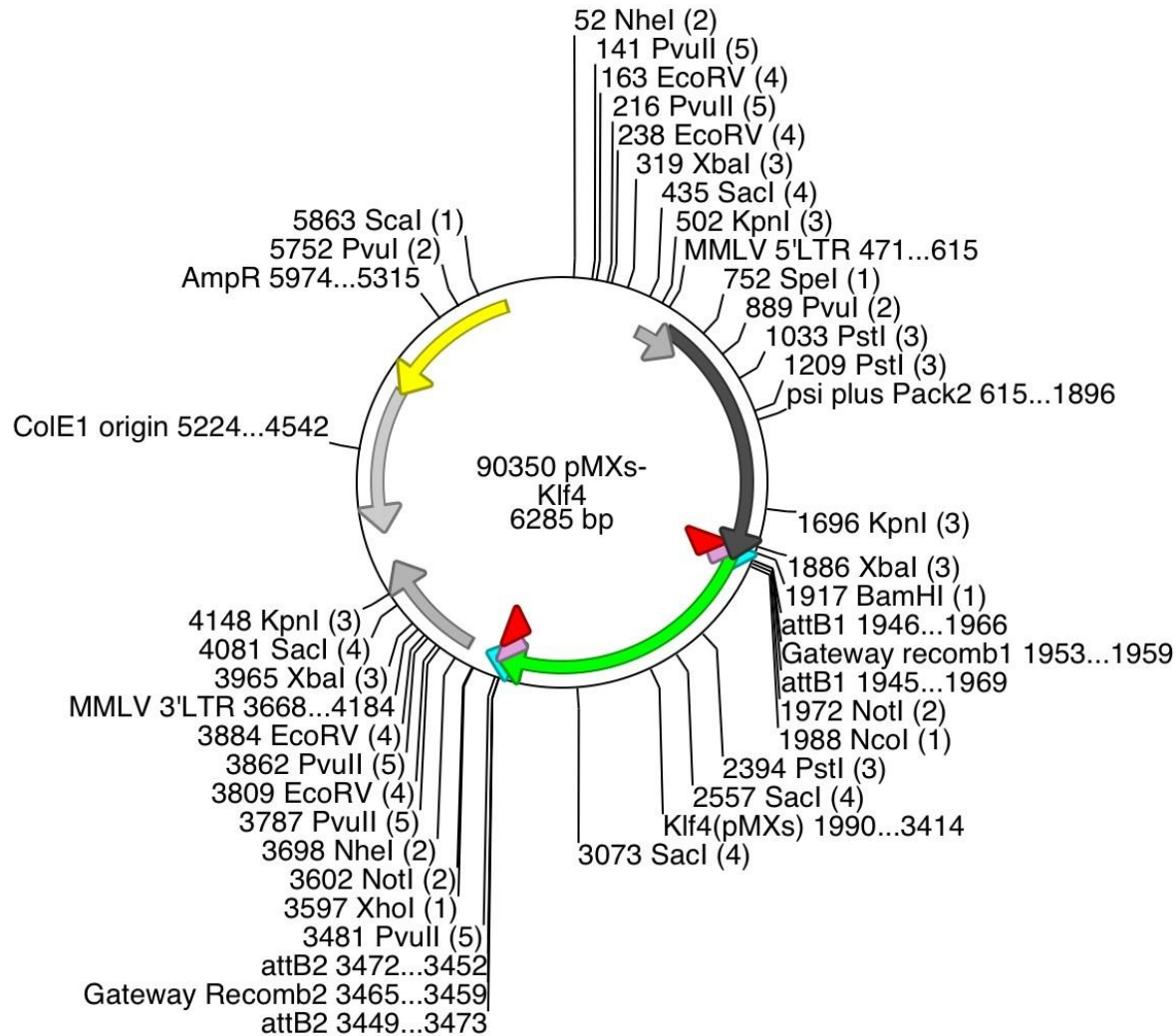
*Note: For optimal expression, both 5' MCS and 3' MCS should be used to clone gene of interest and replace the staffer sequence (partial LacZ) between them*

**Figure 1.** Schematic representation of pMXs retroviral vector.

# pMXs-OCT4



# pMXs-KLF4



# pMXs-SOX2

