



## Location of Features

- 5' LTR (5' long terminal repeat): 1–635
- $\psi$  (packaging signal): 685–822
- RRE (rev-response element): 1303–1536
- cPPT/CTS (central polypurine tract/central termination sequence): 2028–2151
- $P_{CMV}$  (human cytomegalovirus promoter): 2185–2788
- 5'MCS (5' multiple cloning site): 2810–2821
- NLS (nuclear localization signal): 2822–2845
- DmrA (DmrA fusion protein): 2849–3172
- 3'MCS (3' multiple cloning site): 3174–3187
- IRES (internal ribosome entry site): 3198–3773
- Hyg<sup>r</sup> (hygromycin resistance gene): 3797–4831
- WPRE (woodchuck hepatitis virus posttranscriptional regulatory element): 4845–5436
- 3' LTR (3' long terminal repeat): 5640–6276
- pUC ori (pUC origin of replication): 6746–7416 (complementary)
- Amp<sup>r</sup> (ampicillin resistance gene): 7561–8557 (complementary)

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