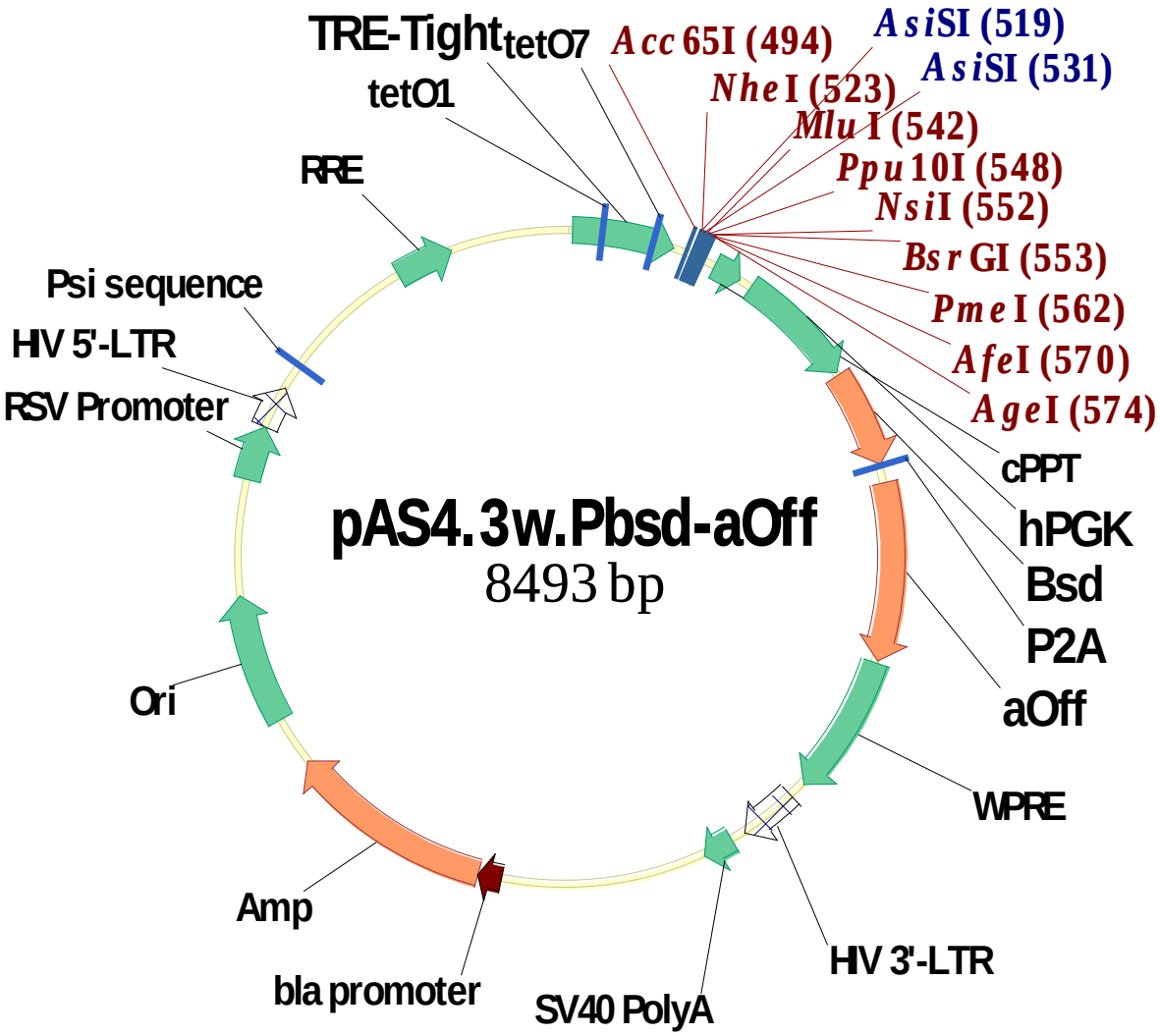

Description:

The pAS4.3w.Pbsd-aOff is a doxycycline/tetracycline all-in-one inducible plasmid , which was derived from pAS4.1w.Pbsd by replacing Bsd gene with an ORF coding for Bsd-P2A-aOff . This results in the expression of Bsd and aOff simultaneously. P2A is a 2A sequences derived from porcine teschovirus-1 (picornavirus).

Location of Features:

- Tet-inducible promoter (TRE-Tight): nt14-440.
- Multiple cloning sites: nt494-574.
- PGKp-Bsd-P2A-aOff expression cassette: nt798-2545.
- WPRE: nt2555-3143.

Note:

1. **Since lentiviral transfer vector may undergo sequence re-arrangement and/or deletion when its ligated products were transformed into DH5α competent cells; to avoid that, Stbl3 (Invitrogen) is recommended for transformation.**
2. **If plasmid-transformed Stbl3 cells grow slowly, try to transform it into HB101 or GM2163 *E. coli* strain for large-prep.**