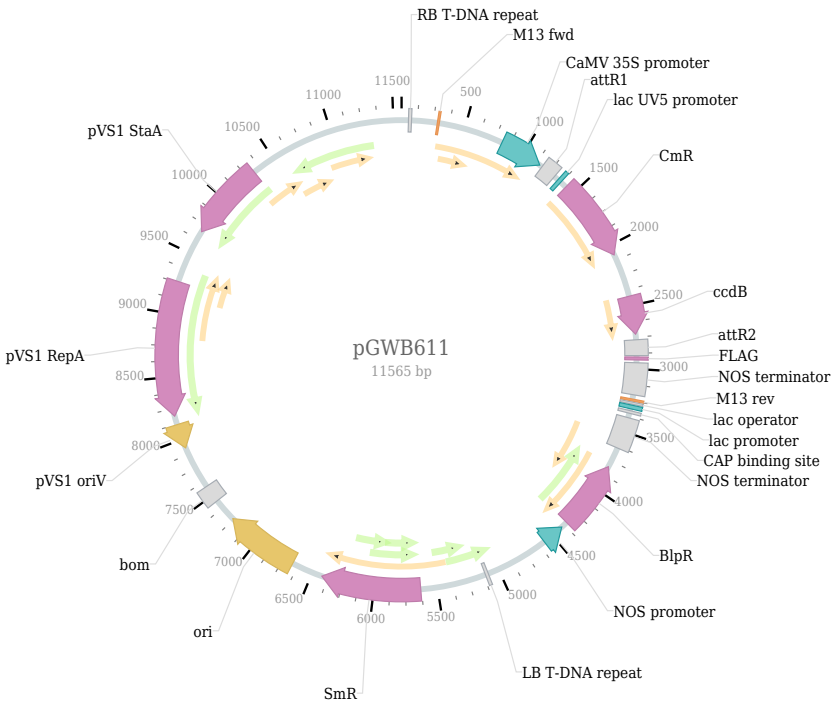
pGWB611

Vector ID	V005737
Antibiotic Resistance	Streptomycin
Length	11565 bp
Vector Type	Gateway binary vector
Host	Plants

Product Information

Replication Origin	ori
Source/Author	Nakamura S, Mano S, Tanaka Y, Ohnishi M, Nakamori C, Araki M, Niwa T, Nishimura M, Kaminaka H, Nakagawa T, Sato Y, Ishiguro S.
Promoter	CaMV35S(long)
Growth Strain(s)	DB3.1
Comment	pGWB611 is a Gateway binary vector designed for plant transformation, featuring the bialaphos resistance gene (bar) as a selection marker for successful selection of transformed cells using BASTA® or glufosinate-ammonium. The vector contains the Pnos:bar:Tnos marker in reverse orientation relative to the cloned gene, providing compatibility with pGWB and R4pGWB vectors carrying kanamycin or hygromycin B resistance. pGWB611 is part of a series of vectors that enable the creation of fusion constructs with various reporter genes and tags, facilitating transgenic experiments under standardized conditions.

Vector Map



Plasmid Resuspension Protocol

1. Centrifuge at 5,000×g for 5 min.
2. Carefully open the tube and add sterile water to dissolve the DNA: add 20 µl for 5 µg plasmid, and 100 µl for 100 µg plasmid.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin to concentrate the liquid at the bottom. Speed is less than 5000×g.
5. Store the plasmid at -20 ℃.