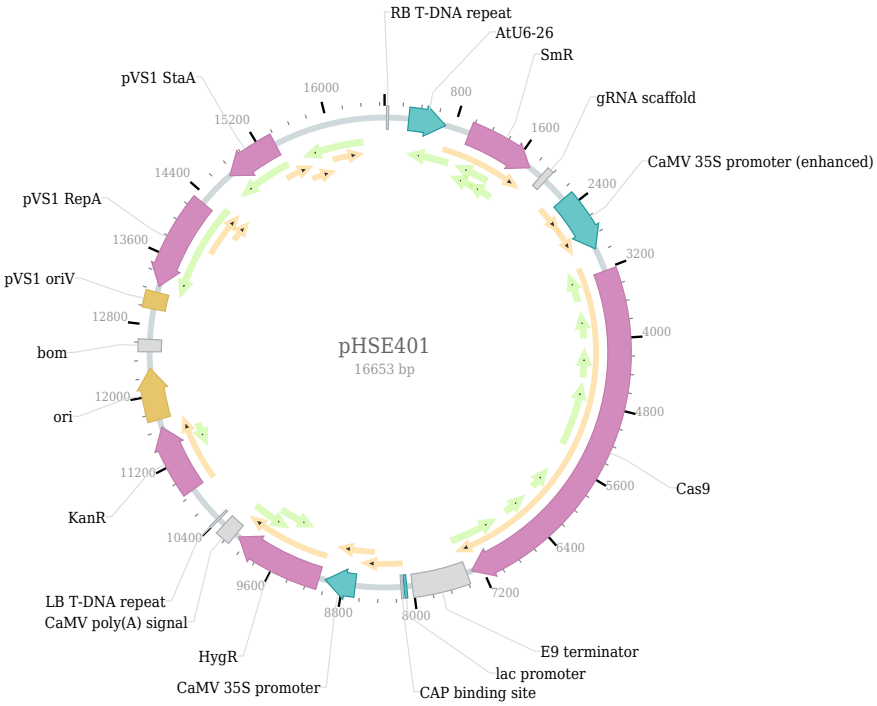
pHSE401

Vector ID	V016739
Antibiotic Resistance	Kanamycin
Length	16653 bp
Vector Type	Gene knockout
Host	Plants

Product Information

Replication Origin	ori
Selection Marker	Hyg
Promoter	CaMV35S(enhanced)
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	pHSE401 is a plant binary CRISPR/Cas9 vector that carries the Cas9 protein (fused with a 3×FLAG tag and a nuclear localization signal, NLS) along with a customizable gRNA, enabling the cleavage and editing of specific DNA sequences within plants.

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 ℃.