

DNA sequence components for construct pTF101.1

- aadA:** aminoglycoside 3'-adenylyltransferase gene of *Shigella flexneris* 2a that confers resistance to antibiotic spectinomycin and streptomycin (Chinault et al, 1986)
- bar:** phosphinothricin acetyl transferase gene from *Streptomyces hygroscopicus* that confers resistance to herbicide phosphinothricin and its derivatives (Thompson et al, 1987; White et al, 1990; Becker et al, 1992)
- P35S:** the cauliflower mosaic virus 35S promoter (Odell et al, 1985; Haq et al, 1995)
- Tnos:** 3' terminator from nopaline synthase gene of *Agrobacterium tumefaciens* (Depicker et al, 1982)
- Tvsp:** 3' terminator from soybean vegetative storage protein gene (Mason et al, 1993; Haq et al, 1995)
- TEV:** Tobacco Etch Virus translational enhancer (Gallie et al, 1995; Wilson, 1999).
- RB:** The T-DNA right border fragment from nopaline strain of *Agrobacterium tumefaciens* (Zambryski et al, 1982)
- LB:** The T-DNA left border fragment from nopaline strain of *Agrobacterium tumefaciens* (Zambryski et al, 1982)
- pVS1:** A broad host range plasmid from *Pseudomonas* (Itoh and Haas, 1985; Hajdukiewicz et al, 1994)

References

- Becker, D, Kemper, E., Schell, J, Masterson, R** (1992) New plant binary vectors with selectable markers located proximal to the left T-DNA border. *Plant Molecular Biology* 20: 1195-1197.
- Chinault, AC, Blakesley, VA, Roessler, E, Willis, DG, Smith, CA, Cook, RG, Fenwick, RG.** (1986) Characterization of transferable plasmids from *Shigella flexneris* 2a that confer resistance to trimethoprim, streptomycin, and sulfonamides. *Plasmid* 15: 119-131.
- Depicker A, Stachel S, Dhaese P, Zambryski P, Goodman HM.** (1982) Nopaline synthase: transcript mapping and DNA sequence. *J. Mol. Appl. Genet.* 1: 561-573.
- Gallie, DR, Tanguay, RL, Leathers, V.** (1995) The tobacco etch virus 5'leader and poly (A) tail are functionally synergistic regulators of translation. *Gene* 165: 233-238.
- Hajdukiewicz, P, Svab, Z, Maliga, P.** (1994) The small, versatile pPZP family of Agrobacterium binary vectors for plant transformation. *Plant Molecular Biology* 25: 989-994.
- Itoh, Y, Haas, D.** (1985) Cloning vectors derived from the *Pseudomonas* plasmid pVS1. *Gene* 36: 27-36.
- Jefferson, RA** (1993) Plant promoter-alpha-glucuronidase gene construct. United States Patent 5,268,463
- Mason HS, DeWald D, Mullet JE** (1993) Identification of a methyl jasmonate-responsive domain in the soybean vspB promoter. *The Plant Cell* 5: 241-251
- Odell JT, Nagy F, Chua NH.** (1985) Identification of DNA sequences required for activity of the cauliflower mosaic virus 35S promoter. *Nature* 6: 810-812
- Thompson, CJ, Movva, NR, Tichard, R, Crameri, R, Davies, JE, Lauwereys, M.** (1987) Characterization of the herbicide-resistance gene bar from *Streptomyces hygroscopicus*. *EMBO J.* 6: 2519-2523.
- White, J., Chang, SY, Bibb, M, Bibb, M.** (1990) A cassette containing the bar gene of *S. hygroscopicus*: a selectable marker for plant transformation. *Nucl Acids Res* 18: 1062.
- Wilson, T.** (1999) Untranslated leader sequences from RNA viruses as enhancers of translation. US patent #5,891,665
- Zambryski, P, Depicker, A, Kruger, K, Goodman, H.** (1982) Tumor induction by Agrobacterium tumefaciens: analysis of the boundaries of T-DNA. *J. Mol. Appl. Genet.* 1:361-370