



**Features of pIB/V5-His/CAT**  
4257 nucleotides

*OpIE2* promoter: bases 1-548  
*OpIE2* Forward priming site: bases 511-530  
 CAT ORF: bases 666-1322  
 V5 epitope: bases 1395-1436  
 6xHis tag: bases 1446-1463  
*OpIE2* Reverse priming site: 1473-1498  
*OpIE2* polyadenylation sequence: bases 1481-1610  
 pUC origin: bases 1679-2352 (c)  
*OpIE1* promoter: bases 2401-2692  
 EM7 promoter: bases 2707-2765  
 Blastidicin resistance gene (*bsd*): bases 2784-3183  
 Ampicillin resistance gene (*bla*): bases 3302-4162