

表一、菌液濃度、Cry 基因種類對‘花蓮亞蔬五號’番茄以農桿菌轉殖之影響

Table 1. Effect of bacterial concentration and Cry gene on the transformation efficiency of tomato cultivar ‘Hualien AVRDC 5’.

Bacterial Conc.(O.D.)	Gene	Regenerated Explants (%)	<i>Bt</i> positive ^z	
			2 nd sel. ^y (%)	5 th sel. ^y (%)
0.3-0.4	<i>Cry1AC</i>	20.4±6.4	0/3 (0%)	0/0 (0%)
0.3-0.4	<i>Cry1IC</i>	34.5±10.3	21/33 (63.6%)	8/25 (32.0%)
0.6-0.8	<i>Cry1AC</i>	13.5±5.4	0 ^x /2 ^w (0%)	0/0 (0%)
0.6-0.8	<i>Cry1IC</i>	28.2±8.9	16/28 (57.1%)	5/19 (26.3%)

^z positive reaction according to PCR analysis with *Bt* gene specific primers.

^y the explants number after the 2nd and 5th kanamycin selection.

^x the shoots number which is *Bt* positive for PCR analysis.

^w the shoots number for PCR analysis.