表三、篩選方法及共培養基對番茄亞蔬五號基因轉殖之影響.

Table 3. Effect of selection method and co-culture medium on the gene transformation efficiency of tomato cultivar 'Hualien AVRDC 5'[z].

Selection methods[y]	Co-culture medium[x]	Regenerated explants(%)	Shoots /explant	GUS gene expression	Description
1	MSG1AS	52.9±8.9	2.8±0.9	1/38	chimera
1	BA5AS	34.3±7.9	2.2±1.1	1/23	chimera
1	S1-1AS	33.1±9.7	2.1±0.8	1/22	chimera
2	MSG1AS	67.2±11.1	3.1±0.9	3/135	chimera
2	BA5AS	42.3±9.7	2.7±1.2	2/124	chimera
2	S1-1AS	36.8±10.4	2.9±1.1	4/98	chimera
3	MSG1AS	69.4±11.1	3.3±1.0	0	
3	S1-1AS	44.2±10.1	2.5±1.1	0	
3	MSG1AS	74.3±21.8	3.4±1.1	0	
4	MSG1AS	58.1±21.1	1.8±0.6	1/26	Normal transformants
4	BA5AS	49.4±17.6	1.5±0.5	3/24	Normal transformants
4	S1-1AS	52.1±19.3	1.5±0.8	1/21	Normal transformants
4	MSG1ASG	61.2±18.2	2.1±0.7	7/48	Normal transformants

[x] MSG1AS：MS salts,B5Vit.,zeatin 1mg/l,sucrose 30g/l,Agar 8.5g/l,AS400μM

S1-1AS：MS salts,B5Vit.,kinetin 2mg/L, NAA 0.02mg/L, sucrose 30g/L, Agar 8.5g/L, AS 400μM

B5AS：MS salts,B5Vit.,kinetin 2mg/L,NAA 0.02mg/L, sucrose 30g/L, Agar 8.5g/L, AS 400μM

MSG1ASG：MS salts,B5Vit.,zeatin 1mg/L, sucrose 30g/L, Agar 8.5g/L, AS 400μM, Glucose 10g/L

[y] Method 1：coculture→regeneration medium with Timentin 200mg/L and without kanamycin for 2 weeks→regeneration medium with kanamycin 50mg/L and Timentin 200mg/L

Method 2：coculture→regeneration medium with Timentin 200mg/L and without kanamycin for 4 weeks→regeneration medium with kanamycin 50mg/L and Timentin 200mg/L

Method 3：coculture→regeneration medium with kanamycin 50mg/L and Timentin 200mg/L

Method 4：coculture→regeneration medium kanamycin 20mg/L and Timentin 200mg/L→regeneration medium with kanamycin 50mg/L and Timentin 200mg/L

[z] The infection medium is the same as the coculture medium but without agar.