

表 1 一些已获得并利用的抗除草剂基因

Table 1 Some of herbicide resistant genes obtained and applied in maize

抗性基因 Resistant genes	基因名称 Gene name	基因来源 Gene origin	所抗除草剂 Target herbicides
<i>Gox</i>	草甘膦氧化——还原基因 Glyphosate redox gene	-	草甘膦 Glyphosate
<i>Aro a</i>	鼠伤寒沙门氏菌 EPSPS 突变基因 Salmonella typhimurium EPSPS mutant gene	Salmonella typhimurium	
	EPSPS 突变基因	Escherichia coli	
	EPSPS mutant gene	Arabidopsis thaliana	
<i>Cp4</i>		Agrobacterium tumefaciens	
<i>Bar (Pat)</i>	PPT-乙酰转移酶基因 PPT-Acetyl transferase gene	Streptomyces hygroscopicus	草丁膦 Phosphinothricin, PPT
<i>Ilv G</i>	ALS 突变基因	Streptomyces viridochromogenes	咪唑啉酮
<i>Gh 90</i>	ALS mutant gene	Abrabidopsis thaliana	Imidazolinone
<i>Accl-s2</i>	-	组织培养 Tissue culture	稀禾定 Sethoxydim