

表 7 *ZIK4* 在豆科 3 个物种中的直系同源候选基因

Table 7 The orthologous candidate genes of *ZIK4* in three species of Legume

物种 Species	基因名 Gene name	基因号 ID No of gene	是否全长 If the gene was Full-Length	相似性 Similarity	EST 证据 Evidence of EST
蒺藜苜蓿	<i>MtZIK4a</i>	AC171498_31	Yes	56.7%	E
<i>Medicago truncatula</i>	<i>MtZIK4b</i>	AC135565_12	Yes	56.9%	E
	<i>MtZIK4c</i>	AC202374_9	Yes	52.4%	E
	<i>LjZIK4a</i>	LjB12P21_90_nc	Yes	55.3%	E
百脉根	<i>LjZIK4b</i>	chr5_CM0357_880_nc	Yes	50.6%	E
<i>Lotus japonicas</i>	<i>GmZIK4a</i>	Glyma20g37180	Yes	61.1%	E
大豆	<i>GmZIK4b</i>	Glyma19g43210	Yes	57.6%	F
	<i>GmZIK4c</i>	Glyma03g40550	Yes	43.7%	F
	<i>GmZIK4d</i>	Glyma10g30210	Yes	53.5%	F
	<i>GmZIK4e</i>	Glyma10g39390	Yes	55.8%	E

注: F 代表整个候选基因有 PUT 序列覆盖, 或者两端有 PUT 序列覆盖并且整个基因 80% 的序列被 PUT 序列覆盖; E 则表示该基因的某个部分或者几个部分有符合要求的 PUT 序列覆盖, 但是还没有达到 F 的标准

Note: F: the whole candidate gene was covered by PUT sequence, or both ends were covered by PUT sequence and 80% of the whole gene sequences were covered by PUT sequence; E: a certain part or several parts of the gene were covered by suitable PUT sequence, but had not reached the standard of F