

表5秋水仙素处理小豆京农6号M₃突变体类型

Table 5 The variation types of M₃ induced by colchicines in Jingnong6 of Azuki Bean

	变异类型 Type of variation	0.4%秋水仙素(12h)0.4% colchicine		0.2%秋水仙素(12h)0.2% colchicine	
		突变体株数(个) No.of mutants	突变频率(%) frequency of mutants	突变体株数(个) No.of mutants	突变频率(%) frequency of mutants
叶部性状 Leaf trait	深绿叶 Deep-green leaf	9	0.90	2	0.20
	浅绿叶 Light-green leaf	8	0.80	0	0.00
	新叶黄化 New leaf yellowing	3	0.30	2	0.20
	黄斑叶 Yellow spot leaf	4	0.40	1	0.10
	剑叶 Sword leaf	19	1.90	0	0.00
	肾叶 Kidney leaf	10	1.00	17	1.70
	小密叶 Small heart-shape leaf	12	1.20	6	0.60
	上部剑叶下部肾叶 Glave kidney leaf	7	0.70	0	0.00
株型性状 Plant architecture	高秆 Higher plants	10	1.00	0	0.00
	紧凑型 Tight type	5	0.50	1	0.10
	多分枝 Excessive branches	2	0.20	1	0.10
	少分枝 Few branches	7	0.70	0	0.00
	粗茎 Thick stalk	2	0.20	0	0.00
	有限结荚 Definite growth	34	3.40	25	2.50
	蔓生 Sprawl mutant	2	0.20	1	0.10
豆荚性状 Pod trait	黑荚 Black pod	15	1.50	0	0.00
	多荚 Plenty pods	8	0.80	2	0.20
籽粒性状 Seed trait	黄白粒 Yellow-white seed	1	0.10	0	0.00
	浅红粒 Light red seed	5	0.50	12	1.20
	暗红粒 Dark red seed	10	1.00	0	0.00
	大粒 Big seed	3	0.30	0	0.00
成熟特性 Maturing trait	晚熟 Late maturing	8	0.80	1	0.10
	早熟 Early maturing	6	0.60	3	0.30
	总计 Total	190	18.90	74	7.40