

表 1 小麦淀粉合成酶氨基酸序列比较

Table 1 Comparison of wheat starch synthase protein sequences

酶 Isozyme	蛋白质 Protein	长度 Size a.a.	相似度(%) Similarity to (%)							
			SS II-1	SS II-2	SS II-3	SSIII-1	SSIII-2	SSIV	GBSS I	GBSS II
SS I	SS I	647	39	39	40	21	24	26	33	31
SS II	SS II-1	799	-	95	95	21	21	20	35	31
	SS II-2	798	-	-	95	22	21	21	35	31
	SS II-3	799	-	-	-	21	21	20	35	31
SSIII	SSIII-1	1628	-	-	-	-	61	28	21	24
	SSIII-2	1271	-	-	-	-	-	26	22	23
SSIV	SSIV	914	-	-	-	-	-	-	22	23
GBSS I	GBSS I	605	-	-	-	-	-	-	-	60
GBSS II	GBSS II	599	-	-	-	-	-	-	-	-

注: *: 相似性数值(%)通过多序列比对软件 Clustal X 得到

Note: *: Values for % similarity of the conserved catalytic domain resulted from multi-sequence alignment analysis using the CLUSTAL X program, Comparisons between proteins belonging to the same isozyme are shown in boldface