

Table 2 The amino acid number and percentage of the secondary structure of ZmCATs and AtCATs proteins

Protein	$\alpha$ -helix		Extension chain		$\beta$ -sheet		Random coil	
	Amount	Proportion	Amount	Proportion	Amount	Proportion	Amount	Proportion
AtCAT1	128	26.02	76	15.45	26	5.28	262	53.25
AtCAT2	131	26.63	77	15.65	24	4.88	260	52.85
AtCAT3	130	26.42	77	15.65	27	5.49	258	52.44
ZmCAT1	148	27.87	80	15.07	30	5.65	273	51.41
ZmCAT2	199	27.41	108	15.34	38	5.4	365	51.85
ZmCAT3	130	26.42	71	14.43	27	5.49	264	53.66