

Supplementary Table 1

protein	Predotar	PSort	TargetP
AthTrz ^{S1}	--	cytoplasm	--
AthTrz ^{S2}	chloroplast	chloroplast	chloroplast
AthTrz ^{L1}	chloroplast (42%) mitochondrion (39%)	nucleus mitochondrion	chloroplast (66%) mitochondrion (68%)
AthTrz ^{L2}	chloroplast	chloroplast	chloroplast

Predicted localisation of all four tRNase Z proteins. Three different sorting servers were used to predict the localisation of the four tRNase Z proteins: WolfPSort (<http://wolfpSORT.org/>); TargetP (www.cbs.dtu.dk/services/TargetP/); and Predotar (urgi.versailles.inra.fr/predotar/predotar.html).

Supplementary Table 2

AGI	gene name	protein	aa	MW	pi	T-DNA line
At1g74700	<i>TRZ1</i>	AthTrz ^{S1}	281	31.4	6.1	GABI 69C04,
At2g04530	<i>TRZ2</i>	AthTrz ^{S2}	354	39.9	9.0	SALK_098212
At1g52160	<i>TRZ3</i>	AthTrz ^{L1}	890	98.6	6.3	GT-9807
At3g16260	<i>TRZ4</i>	AthTrz ^{L2}	942	104.7	8.0	SALK_033700

Overview over tRNase Z genes, proteins and T-DNA insertion mutants used in this study. For each tRNase Z gene the AGI code, the protein length in amino acids (aa), the calculated molecular weight (MW) in kilodaltons (including the signal sequence), and the isoelectric point (pi) are given. In addition the names of the T-DNA insertion lines used in this work are shown.