Α.



В.

- SC ATGCTTCCTACTTCTGTTTCCCGGTCCTTGTATCTCAAGACGTTTAGAAGCCACCTTTTACGAGCACCACAAATTGTTTTAAAAAGAATG
- Sp ATGCTTCCTACTTCCCTTTCCCGGTaCTTGTATCTCAgGACGTTTAaAACCCACgTTTTACGAGCACCACAAATCGTTTTAAAAAAGAATG
- Sm ATGCTTCAcACgTCctTTTCtCGGTaCTTGTATCTCAgGACtgTTAGAAccCACgTTTTACGAGCACCtCAAgccaTaTTgAAAAGAATG
- Sc: S. cerevisiae
 Sp: S. paradoxus
- Sk: S. kudriavzevii
- Sm: S. mikatae

C.

iPSORT Prediction

Predicted as: having a mitochondrial targeting peptide

Sequence (Type: nonplant)

1 MLPTS LSRYL YLRTF KTHVL RAPQI VLKR

Values used for reasoning

<u> </u>					
Node	Answer	View	Substring	Value(s)	Plot
1. Signal peptide?	No	Average Hydropathy (K YTJ820101)	[6,20]	0.0866667 (>= 0.953? No)	show
2. Mitochondrial ?	Yes	Average Net Charge (KLEP840101)	[1,30]	0.206897 (>= 0.083? Yes)	show
		Indexing: AI1 Pattern: 221121122 (ins/del <= 3)		MLPTSLS-RYLYLRTFKTHVLRAPQIVLKR 2222 <mark>22-2-122</mark> 2212202022122212201 221121122	

This color means "not used".

Name	Alphabet Indexing				
	0	1	2		
AIl	DEGHKN	IR	ACFLMPQSTVWY		
AI2	ACDEFGHLMNQSTVWY	KR	IP		