

Protein View: CDJ26374.1

unnamed protein product [Triticum aestivum]

Database:NCBIprot

Score:91

Expect:0.0046

Monoisotopic mass (M_r):21704

Calculated pI:7.81

Taxonomy:[Triticum aestivum](#)

Sequence similarity is available as [an NCBI BLAST search of CDJ26374.1 against nr](#).

Search parameters

Enzyme:Trypsin: cuts C-term side of KR unless next residue is P.

Fixed modifications:[Carbamidomethyl \(C\)](#)

Variable modifications:[Oxidation \(M\)](#)

Mass values searched:14

Mass values matched:7

Protein sequence coverage: 35%

Matched peptides shown in ***bold red***.

1MSTKLLNSLSLRRLLGQQRNPIDLYTASRAWSSSTSFSGVHEKNGMGVEA

51DGDVADSWKDAEFRGVYRA**AIICGSVGQVPVQK**KLRLNGHIVTVFTVGTGGM

101**FDQRR**AGAENLPMFAQWHRI**AVHNEQLGTYAVQKL**VKNAAVYVEGDIETR

151VYNDDINNLLVKIVPEICVRF**DGKIHLVQSGSDVSK**SLEELREGLF

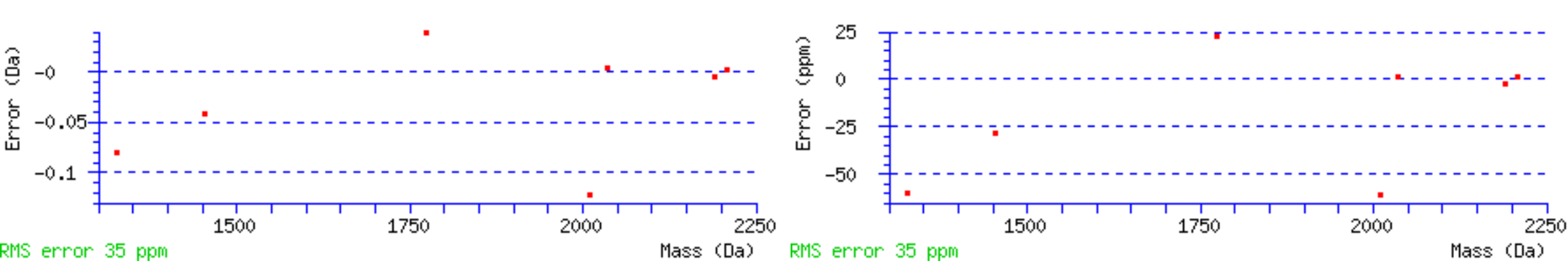
Unformatted sequence string: [196 residues](#) (for pasting into other applications).

Sort by☒residue number☐increasing mass☐decreasing mass

Show☒matched peptides only☐predicted peptides also

Start – End	Observed	Mr (expt)	Mr (calc)	Delta M	Peptide
69 – 82	1455.7576	1454.7503	1454.7915	-0.0412 0	R.AIICGSVGQVPVQK.K
86 – 104	2036.0053	2034.9980	2034.9946	0.0034 0	R.NGHIVTVFTVGTGGMFDQR.R
86 – 105	2192.0987	2191.0914	2191.0957	-0.0043 1	R.NGHIVTVFTVGTGGMFDQRR.A
86 – 105	2208.1004	2207.0931	2207.0906	0.0025 1	R.NGHIVTVFTVGTGGMFDQRR.A + Oxidation (M)
120 – 137	2011.0116	2010.0043	2010.1262	-0.1219 1	R.IAVHNEQLGTYAVQKLVK.N
170 – 186	1773.9525	1772.9452	1772.9057	0.0395 1	R.FDGKIHVLVQSGGSDVSK.S
174 – 186	1326.6217	1325.6144	1325.6939	-0.0795 0	K.IHLVQSGGSDVSK.S

No match to: 881.1379, 1346.6736, 1516.8052, 1555.6874, 2087.0213, 2095.0477, 2211.1042



LOCUS	CDJ26374	196 aa	linear	PLN 28-JUL-2014
DEFINITION	unnamed protein product [Triticum aestivum].			
ACCESSION	CDJ26374			
VERSION	CDJ26374.1			
DBLINK	BioProject: PRJEB4376			
	BioSample: SAMEA3146289			
DBSOURCE	embl accession CBUC010000088.1			
KEYWORDS	.			
SOURCE	Triticum aestivum (bread wheat)			
ORGANISM	Triticum aestivum			
	Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;			
	Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; BOP			
	clade; Pooideae; Triticeae; Triticeae; Triticeae; Triticum.			
REFERENCE	1			
AUTHORS	Choulet,F., Alberti,A., Theil,S., Glover,N., Barbe,V., Daron,J.,			
	Pingault,L., Sourdille,P., Couloux,A., Paux,E., Leroy,P.,			
	Mangenot,S., Guilhot,N., Le Gouis,J., Balfourier,F., Alaux,M.,			
	Jamilloux,V., Poulain,J., Durand,C., Bellec,A., Gaspin,C.,			
	Safar,J., Dolezel,J., Rogers,J., Vandepoele,K., Aury,J.M.,			
	Mayer,K., Berges,H., Quesneville,H., Wincker,P. and Feuillet,C.			
TITLE	Structural and functional partitioning of bread wheat chromosome 3B			
JOURNAL	Science 345 (6194), 1249721 (2014)			
PUBMED	25035497			
REFERENCE	2 (residues 1 to 196)			
AUTHORS	Choulet,F.			
TITLE	Direct Submission			
JOURNAL	Submitted (22-AUG-2012) Genetics Diversity and Ecophysiology of			
	Cereals, INRA UBP UMR 1095, 234 avenue du Brezet, Clermont-Ferrand,			
	F-63100, FRANCE			
FEATURES	Location/Qualifiers			
source	1..196			
	/organism="Triticum aestivum"			
	/cultivar="Chinese Spring"			
	/db_xref="taxon:4565"			
	/chromosome="3B"			
	/note="contig v443_0549"			
Protein	1..196			
	/function="conserved unknown function - B9FEN7_ORYSJ			
	TrEMBL databank Putative uncharacterized protein OS Oryza			
	sativa subsp japonica GN OsJ_14429 PE 4 SV 1"			
	/name="unnamed protein product"			
CDS	1..196			
	/locus_tag="TRAES_3BF054900050CFD_c1"			
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	CBUC010000088.1:383345..383481,			
	CBUC010000088.1:383568..383776,			
	CBUC010000088.1:383902..384002,			
	CBUC010000088.1:384445..384504,			
	CBUC010000088.1:384801..384817)"			
	/note="Low Confidence"			