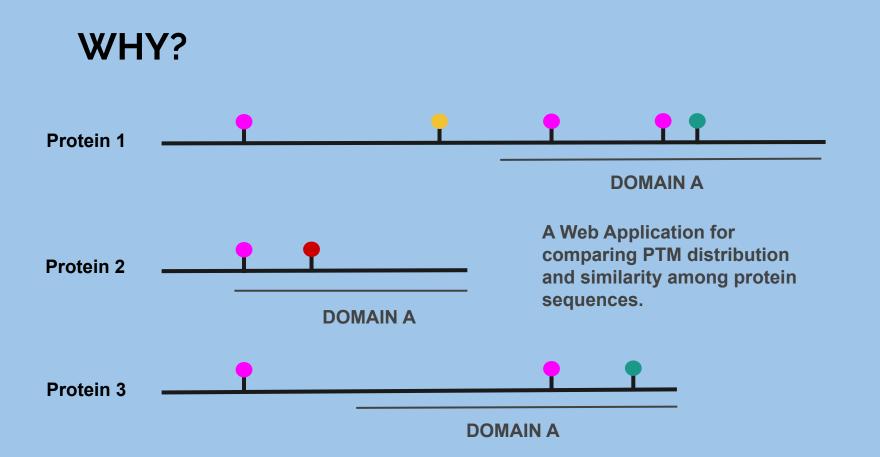
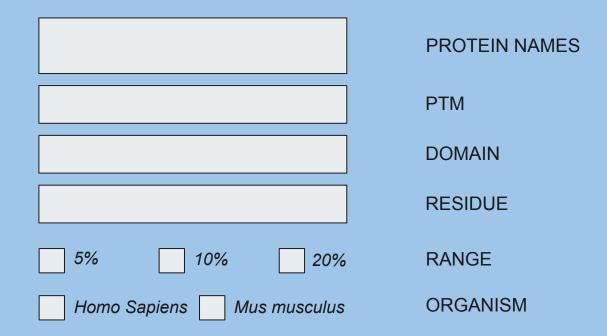
Databases and Web Development Project: PTM NEXUS

Authors: Maider Fernandez de Mendiola, Karim Hamed, Adam Marti, Nuria Montalà







HOW?

UniProt

Retrive data:

- Protein name
- PTM
 - Residue

- DomainPosition
- Organism

PTM/Processing

Features

Showing features for initiator methionine¹, modified residue¹, glycosylation¹, chain¹, modified residue (large scale data)¹, peptide¹.

	20	40	p0		ie 100 120		40
	20				N 400 440		
	· • • • • =			-			
HLT	PEEKSAVTALWGKVNVDEVGGEALGRLLVVYP	WTQRFFESFGDLSTPDAT	VMGNPKVKAHGKKV	LGAFSDGLAHL	DNLKGTFATLSELHCDKLHVDPENFRLLGNVLVCVLAHHFGKE	FTPPVQAAYQKVVAGVA	NALAI
	ТҮРЕ			SOURCE			
	All	ID	POSITION(S)	All +	DESCRIPTION		
÷	Initiator methionine		1	UniProt	Removed 📕 By Similarity		
	Modified residue		2	UniProt	N-acetylvaline By Similarity		
	Modified residue		2	UniProt	N-pyruvate 2-iminyl-valine; in Hb A1b		
÷	Glycosylation		2	UniProt	N-linked (Glc) (glycation) valine; in Hb A1c 📕 1 Publication	m	
	Chain	PRO_0000052976	2-147	UniProt	Hemoglobin subunit beta	🛱 Tools 🔻 🛍	Add
	Modified residue (large scale data)		5	PRIDE	Phosphothreonine Combined Sources		
	Glycosylation		9	UniProt	N-linked (Glc) (glycation) lysine 📕 1 Publication		

Data processing and Calculations



Return Final Results to the User



RESULT

	Jaccard Index	Modified residues
Protein 1 : Protein 2	0.9	K23Me:K28Me
Protein 1 : Protein 3	0.4	L21Me:L16Me
Protein 2 : Protein 3	0.2	T13Ac:S18Ac

