

Lab1 Part B

Find how many times ELVIS appears in the protein database SWISSPROT ?

	this run	previous	gain	loss
number of matches equal or below threshold	178	NA	NA	NA
total	178	NA	NA	NA

178 times

How many times LIVES appears ?

	this run	previous	gain	loss
number of matches equal or below threshold	130	NA	NA	NA
total	130	NA	NA	NA

130 times

How many time they appear consecutively ?

	this run	previous	gain	loss
number of matches equal or below threshold	0	NA	NA	NA
total	0	NA	NA	NA

For both

Pattern	L-I-V-E-S-E-L-V-I-S
	E-L-V-I-S-L-I-V-E-S

there are 0 matches, means they appear consecutively 0 times.

Do ELVIS and DEAD appear together?

Pattern E-L-V-I-S-D-E-A-D. Database of proteins Swiss-Prot [sw]. Taxonomic range none.					
searching ... postprocessing ... storing results					
Summary					
Original output here					
Statistics		this run	previous	gain	loss
	number of matches equal or below threshold	0	NA	NA	NA
	total	0	NA	NA	NA

No, they do not appear together.

How many times does PERL appear ?

Pattern P-E-R-L. Database of proteins Swiss-Prot [sw]. Taxonomic range none.					
searching ... postprocessing ... storing results					
Summary					
Original output here					
Statistics		this run	previous	gain	loss
	number of matches equal or below threshold	4023	NA	NA	NA
	total	4023	NA	NA	NA

4023 times

Does ECSISGREAT appear?

Pattern E-C-S-I-S-G-R-E-A-T. Database of proteins Swiss-Prot [sw]. Taxonomic range none.					
searching ... postprocessing ... storing results					
Summary					
Original output here					
Statistics		this run	previous	gain	loss
	number of matches equal or below threshold	0	NA	NA	NA
	total	0	NA	NA	NA

No

What would it mean if any of these longer statements did appear in the protein files?

It means the database stores sequence is absolutely huge, which means any possible sequence have the probability appear in different combination.

How about your last name?

The pattern "C-A-I" would produce too many matches.

Many times

