

Conte, Federica

From: Oti, Martin
Sent: Wednesday, July 09, 2014 1:07 PM
To: Conte, Federica
Subject: RE: Quick question!

Hi Federica,

Yes, there are bioinformatic tools to do this sort of thing. One of the best and most often used tools, as far as I know, is Endeavour:

<http://homes.esat.kuleuven.be/~bioiuser/endeavour/index.php>

You give it your set of known genes (10) and your candidate genes (8000-10000), and it will rank the candidate genes based on their similarity to the known genes. You can run it through their web interface:

<http://homes.esat.kuleuven.be/~bioiuser/endeavour/tool/endeavourweb.php>

Best,
Martin

From: Conte, Federica
Sent: Wednesday, July 09, 2014 12:42 PM
To: Oti, Martin
Subject: Quick question!

Hi Martin,

I hope I'm not disturbing you.

Just to know, I'd like to ask you if there is a bioinformatic tool which allow checking the similarity among the genes contained in a list? (Don't worry, I don't need details for now).

For example: I have a list of genes (8000-10000) which are contained in my overlapping regions (identified using Decipher patients); now I want to check their similarity with a set of genes (~10 cleft-related genes), how should I do? My goal is to check if in my list there are some genes which encoded for proteins that are similar (in structure/functions) to those proteins related to cleft development.

There is something to do this automatically?

I don't need details for now (I'm just planning the future steps).

Thank you so much in advance,

federica