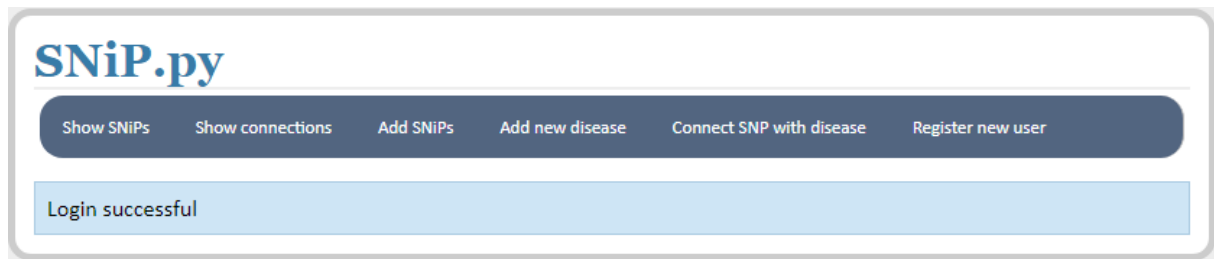
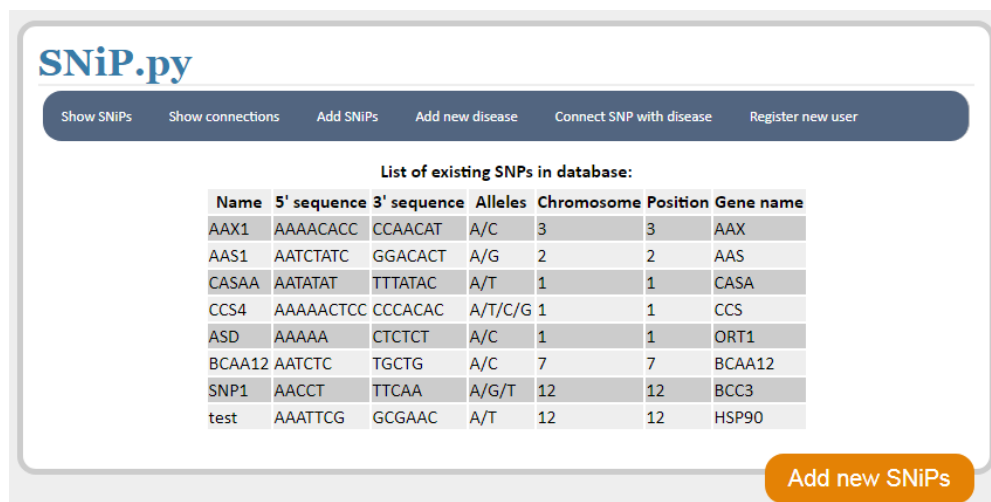


At the login screen, you have to type your username and password here and click “Login”. Default user is “admin” and password is “1234” . After logging in the message “Login successful” should show:



The screenshot shows the SNIp.py application interface. At the top, there's a navigation bar with links: Show SNiPs, Show connections, Add SNiPs, Add new disease, Connect SNP with disease, and Register new user. Below the navigation bar, a light blue box displays the message "Login successful".

After selecting „Show SNiPs” the program will display all existing SNPs in database, which consist of name, 5’ and 3’ sequence, alleles, the number of chromosome, position in gene and the name of gene. At the bottom there’s a button for adding new SNPs.

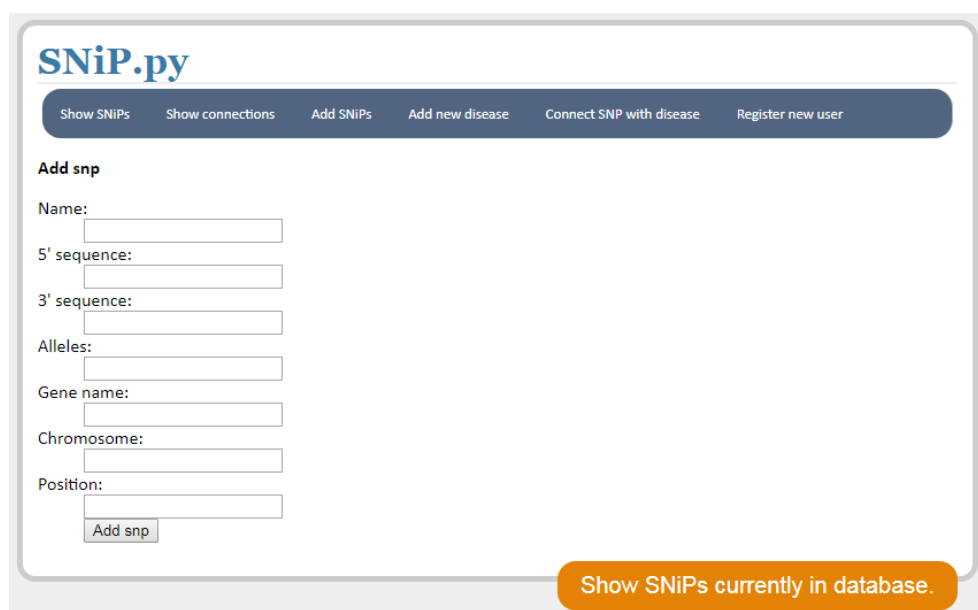


The screenshot shows the SNIp.py application with the "Show SNiPs" button selected. Below the navigation bar, a table titled "List of existing SNPs in database:" displays the following data:

Name	5' sequence	3' sequence	Alleles	Chromosome	Position	Gene name
AAX1	AAAACACC	CCAACAT	A/C	3	3	AAX
AAS1	AATCTATC	GGACACT	A/G	2	2	AAS
CASAA	AATATAT	TTTATAC	A/T	1	1	CASA
CCS4	AAAAACTCC	CCCACAC	A/T/C/G	1	1	CCS
ASD	AAAAA	CTCTCT	A/C	1	1	ORT1
BCAA12	AATCTC	TGCTG	A/C	7	7	BCAA12
SNP1	AACCT	TTCAA	A/G/T	12	12	BCC3
test	AAATTCG	GCGAAC	A/T	12	12	HSP90

At the bottom right, there is an orange button labeled "Add new SNiPs".

After selecting “Add SNiPs” button you can add new SNPs to the database. There’s also quick link to show all SNiPs in database.



The screenshot shows the SNIp.py application with the "Add SNiPs" button selected. Below the navigation bar, there is a form titled "Add snp" with the following fields:

- Name:
- 5' sequence:
- 3' sequence:
- Alleles:
- Gene name:
- Chromosome:
- Position:

Below the form is a button labeled "Add snp". At the bottom right, there is an orange button labeled "Show SNiPs currently in database."

In menu “Add new disease” you can add new diseases that will be later associated with SNPs. You can add description, name of disease and the SNP effect on disease.

The screenshot shows the SNiP.py website with the 'Add disease' form selected in the navigation bar. The form includes input fields for 'Name:', 'Description:', and 'Effect:', each followed by a text box. Below these fields is an 'Add disease' button. At the bottom right of the page, there is an orange button labeled 'Show diseases in database.'

To connect disease with SNP you have to click “Connect SNP with disease” where you choose disease and SNP:

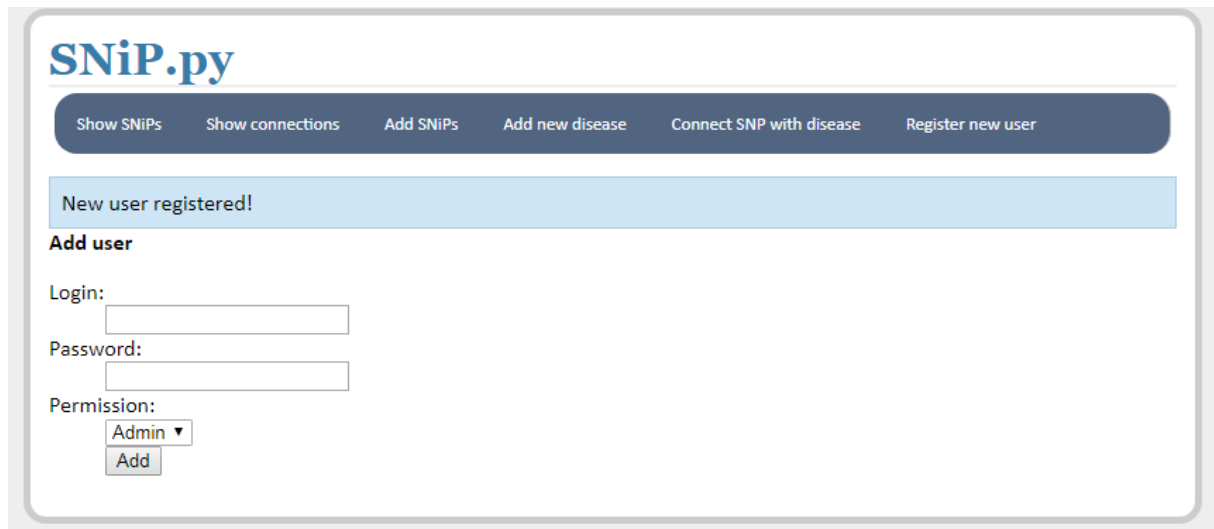
The screenshot shows the SNiP.py website with the 'Connect SNP with disease' option selected in the navigation bar. The form has two sections: 'Select SNP' with radio buttons for 'test', 'SNP1', 'BCAA12', 'ASD', 'CCS4', 'CASAA', 'AAS1', and 'AAX1'; and 'Select disease' with radio buttons for 'Tuberculosis, Enhanced risk', 'Evil, Decreased risk', and 'Test, Increased risk'. A 'Connect!' button is located at the bottom of the form.

To see connected SNiPs and diseases you have to select “Show connections” which shows table with all available connections.

The screenshot shows the SNiP.py website with the 'Show connections' option selected in the navigation bar. The page displays a table titled 'Diseases associated with specific SNiPs'. The table has three columns: 'SNP name', 'Disease name', and 'Effect'. It lists three connections: SNP1 associated with Tuberculosis (Enhanced risk), test associated with Test (Increased risk), and test associated with Tuberculosis (Enhanced risk). An orange 'Add more!' button is at the bottom right.

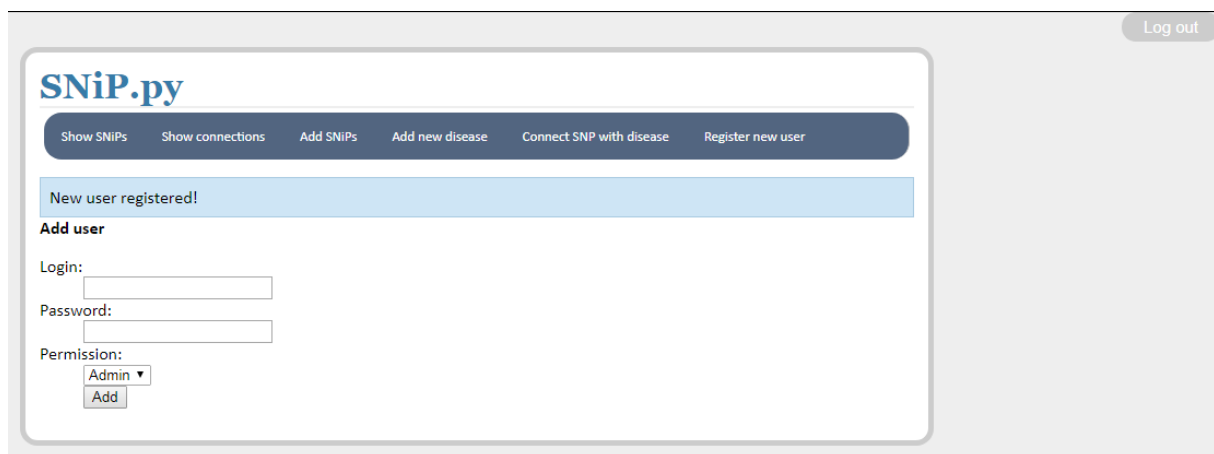
Diseases associated with specific SNiPs		
SNP name	Disease name	Effect
SNP1	Tuberculosis	Enhanced risk
test	Test	Increased risk
test	Tuberculosis	Enhanced risk

To register new user you have to click on “Register new user” There you will have to enter username, password and type of user. Admin has full rights and user can only browse database.



The screenshot shows the SNIp.py web application interface. At the top, there is a navigation bar with the following links: Show SNIps, Show connections, Add SNIps, Add new disease, Connect SNP with disease, and Register new user. Below the navigation bar, a blue message box displays "New user registered!". Underneath this, the "Add user" section contains a form with three input fields: "Login:", "Password:", and "Permission:". The "Permission:" field is a dropdown menu currently set to "Admin". Below the dropdown is an "Add" button.

To log out you have to click on the button in upper right corner:



This screenshot shows the same SNIp.py web application interface as the previous one, but with an additional "Log out" button located in the upper right corner of the page. The "Add user" form and the "New user registered!" message are still visible on the left side of the page.