

EVOLVE001: Directed evolution on GFP

FRIDAY, 5/7/2021

Background and Goal

To carry out directed evolution on GFP in order to

List of constructs used

Table1				^
	A	B	C	
1	Construct ID	Construct name	Description	
2				
3				

Run 1

Preparation

Aristodemos Pitambara and Olgica Udo:
We did some preparations.

Execution

Olgica Udo and Maia Nike:
We did some experiments.

MONDAY, 5/10/2021


Run 1 (continued)

Assay

Olgica Udo:
I performed some assays.

Results

Bronislav Mot:
I got the results from Aristodemos Pitambara and I analyzed them:

 dummy_image.png

600 × 400

(dummy image generated from <https://dummyimage.com/>)

TUESDAY, 5/11/2021

Run 2

Preparation

Aristodemos Pitambara and Bronislav Mot:
We did some preparations.

Execution

Olgica Udo and Bronislav Mot:
We did some experiments.

WEDNESDAY, 5/12/2021

Run 2 (continued)

Assay

Olgica Udo:
I performed some assays.

Results

Bronislav Mot:
I got the results from Olgica Udo and I analyzed them:

 dummy_image.png

600 × 400

(dummy image generated from <https://dummyimage.com/>)

Result summary

We successfully evolved GFP with new characteristics, which include

Pooling all results from the two runs together, we obtained the following results:



We obtained two different variants of evolved GFP from our two experiment runs.

EVOLVE001 was completed and closed.