## 10. (October) 2019

Project: iGEM_Munich2019 Shared Project
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SATURDAY, 5/10/2019

## Alejandro

Cell Culture: Transfection

- 96-well plate
- transfect triplicates


## Transfectionmix 96-well plate 05/1...

|  | A | B |
| :---: | :--- | :--- |
| 1 | DNA per well | 100 ng |
| 2 | P3000 Reagent <br> per well | $0.2 \mu \mathrm{~L}$ |
| 3 | Lipofectamine <br> 3000 reagent <br> per well | $0.15 \mu \mathrm{~L}$ |
| 4 | OptiMEM per <br> well | $2 \times 5 \mu \mathrm{~L}$ |

- Transfect cells according to the following table. Use the indicated volume of DNA and P3000 ${ }^{\text {™ }}$ Reagent with each of the two volumes of Lipofectamine ${ }^{\text {TM }} 3000$ (when performing optimization). Each reaction mix volume is for one well and accounts for pipetting variations. Scale volumes proportionally for additional wells.

```
image.png
```



- Transfection scheme

| Transfection scheme - 05/10/19 in ng per well - 96-well plate- HiBit |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | condition | wells | V8 | V41 | V42.1 | V42.2 | V15 | V34 |
| 1 | 1 | 6 | - | - | - | - | - | - |
| 2 | 2 | 6 | 60 ng | - | - | - | 40 ng | - |
| 3 | 3 | 6 | - | 60 ng | - | - | 40 ng | - |
| 4 | 4 | 6 | - | - | - | - | 40 ng | 60 ng |
| 5 | 5 | 6 | - | - | 60 ng | - | 40 ng | - |
| 6 | 6 | 6 | - | - | - | 60 ng | 40 ng | - |

## Joshi

## Cell Culture: Transfection

- min6 VLP transfection for qPCR
- $550 \mu \mathrm{~L}$ medium were exchanged before transfection

| transfection scheme qPCR min6 05/10/2019 - in ng per well |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | condition | V30 | V15 | V42.1 | V42.2 | V14 |
| 1 | Mock | 500 ng | - | - | - | - |
| 2 | Only V15 | 300 ng | 200 ng | - | - | - |
| 3 | Fusion 1 o.k. | - | 200 ng | 300 ng | - | - |
| 4 | Fusion 1 x | - | - | 300 ng | - | 200 ng |
| 5 | Fusion 2 o.k. | - | 200 ng | - | 300 ng | - |
| 6 | Fusion 2 x | - | - | - | 300 ng | 200 ng |

- Transfection:

| Transfectionmix 24-well plate 05/1... |  |  |
| :---: | :--- | :---: |
| A | A | B |
| 2 | DNA per well | 500 ng |
| 2 | P3000 Reagent <br> per well | $1 \mu \mathrm{~L}$ |
| 3 | Lipofectamine <br> 3000 reagent <br> per well | $0.75 \mu \mathrm{~L}$ |
| 4 | OptiMEM per <br> well | $2 \times 25 \mu \mathrm{~L}$ |

- Transfect cells according to the following table. Use the indicated volume of DNA and P3000 ${ }^{\text {TM }}$ Reagent with each of the two volumes of Lipofectamine ${ }^{\text {TM }} 3000$ (when performing optimization). Each reaction mix volume is for one well and accounts for pipetting variations. Scale volumes proportionally for additional wells


