210318 수업

Team A

· Team name: A

Rsudio 사용법

- 파일 업로드
- 파일 다운로드

합성성불학의 재현성에 관한 연구

2021년 1학기 UST 현장연구 E
합성생활학자문연구단 김해성

List of students

JAMP #### JAMP ### JAMP

- 이미지 넣기
- 참고문헌(Benner and Sismour 2005)

'code chunk short-cut: Ctrl + Alt + i' Short-cut for executing a line in a code chunk: Ctrl + Enter

```
team_name <- c("Tainan", "Valencia_UPV", "Vilnius-Lithuania", "William_and_Mary", "Marburg", "Vilnius-Litorganization <- c("NCKU", "Harvard", "Vilnius_university", " College_of_ William_and_Mary", " Philipps-title <- c("Oh_My_Gut", "printeria", "SYN_ORI", "SPEED", "VIBRIGENS", "flavoflow")

track <- c("Therapeutics", "New_Application", "Foundational_Advance", "Foundational_Advance", "Foundational_Advance", "Foundational_Advance", "Foundational_Collegem.org/Team:Valencia_UPV", "httprombs <-c("treating_CKD", "High_barriers_of_access_to_SB", " Building_a_multi-plasmid_system", "Contr solution <-c("targeting the root", "fully_equipped_bioengineering_device", "Making_synOri", "Gene_ Expr vector_map <-c("pSB1C3", "pSB1C3", "BBa_K2259092", "pTet_pLac_pBad", "pSB1C3", "X")

v_df <- data.frame(team_name, organization, title, track, wiki_page, prombs, solution, vector_map)

v_df
```

```
##
             team_name
                                         organization
                                                          title
## 1
                                                 NCKU Oh_My_Gut
                Tainan
## 2
          Valencia_UPV
                                              Harvard printeria
                                  Vilnius_university
## 3 Vilnius-Lithuania
                                                        SYN ORI
## 4 William_and_Mary College_of_ William_and_Mary
               Marburg
                                 Philipps-University VIBRIGENS
## 6 Vilnius-Lithuania
                                  Vilnius_university flavoflow
##
                    track
                                                              wiki_page
## 1
             Therapeutics
                                https://2019.igem.org/Team:NCKU_Tainan
```

```
http://2018.igem.org/Team:Valencia_UPV
## 2
          New_Application
## 3 Foundational_Advance
                          http://2017.igem.org/Team:Vilnius-Lithuania
## 4 Foundational Advance
                            http://2017.igem.org/Team:William_and_Mary
## 5 Foundational_Advance
                                     http://2018.igem.org/Team:Marburg
## 6
              Environment https://2020.igem.org/Team:Vilnius-Lithuania
##
                                               prombs
## 1
                                       treating CKD
## 2
                       High_barriers_of_access_to_SB
## 3
                     Building_a_multi-plasmid_system
## 4 Controling the dynamical properties of circuits
                        Control of Vibrio_natriegens
                 Trouble in Growing fish consumption
## 6
                                                                      vector_map
##
                                                         solution
## 1
                                               targeting the root
                                                                          pSB1C3
## 2
                            fully_equipped_bioengineering_device
                                                                          pSB1C3
## 3
                                                    Making_synOri
                                                                    BBa_K2259092
## 4 Gene_ Expression_Speed/Orthogonal_Degradation_Tags/Modeling pTet_pLac_pBad
                             Conducting basic microbial research
                                                                          pSB1C3
                               Recirculating Aquaculture Systems
## 6
                                                                               Х
```

#Parts of Tainan

Name	Туре	Length
BBa_K2259000	Project	670
BBa_K2259001	Project	669
BBa_K2259002	Project	668
BBa_K2259003	Project	673
BBa_K2259004	Project	669
BBa_K2259005	RNA	117
BBa_K2259006	RNA	117
BBa_K2259007	RNA	117
BBa_K2259008	RNA	117
BBa_K2259009	RNA	117
BBa_K2259010	Coding	189
BBa_K2259011	DNA	366
BBa_K2259014	Regulator	81
BBa_K2259015	Regulator	81
BBa_K2259016	Regulator	65
BBa_K2259017	Regulator	65
BBa_K2259018	Coding	180
BBa_K2259019	Coding	618
BBa_K2259022	RNA	117
BBa_K2259024	RNA	117
BBa_K2259025	RNA	117
BBa_K2259026	RNA	117
BBa_K2259029	RNA	117
BBa_K2259031	RNA	117
BBa_K2259086	RNA	111
BBa_K2259088	Regulator	789
BBa_K2259092	Plasmid	1370
BBa_K2259093	Temporary	1117

Name \$	Type	Description	Designer \$	Length \$
BBa_K2656000	Regulatory	T7 phage strong promoter	Adrian Requena Gutierrez, Carolina Ropero	27
BBa_K2656001	Regulatory	Heat Shock Promoter	Adrián Requena Gutiérrez	102
BBa_K2656002	Regulatory	Promoter HSL-mediated luxR repressor	Adrián Requena Gutiérrez	34
BBa_K2656003	Regulatory	Promoter HSL-mediated luxR	Adrián Requena Gutiérrez	65
BBa_K2656004	Regulatory	Constitutive promoter J23106	Adrian Requena Gutierrez, Carolina Ropero	39
BBa_K2656005	Regulatory	Constitutive promoter J23102	Adrian Requena Gutierrez, Carolina Ropero	39
BBa_K2656006	Regulatory	Minimal pBAD promoter	Adrián Requena Gutiérrez	308
BBa_K2656007	Regulatory	Constitutive promoter J23101	Adrian Requena Gutierrez, Carolina Ropero	39
BBa_K2656008	RBS	Very Weak Ribosome Binding Site J61100	Adrian Requena Gutierrez, Carolina Ropero	24
BBa_K2656009	RBS	Strong Ribosome Binding Site B0030	Adrián Requena Gutiérrez, Carolina Ropero	25
BBa_K2656010	RBS	Weak Ribosome Binding Site B0032	Adrián Requena Gutiérrez, Carolina Ropero	27
BBa_K2656011	RBS	Medium Ribosome Binding Site B0034	Adrian Requena Gutierrez, Carolina Ropero	22

Benner, Steven A, and A Michael Sismour. 2005. "Synthetic Biology." Nature Reviews Genetics 6 (7): 533-43.