iGEM report_0318

김승화

2021 3 18

Team GO_Paris-Saclay

- School
  University Paris-Saclay
- Team code

  342728
- Track

  Information Processing
- Title

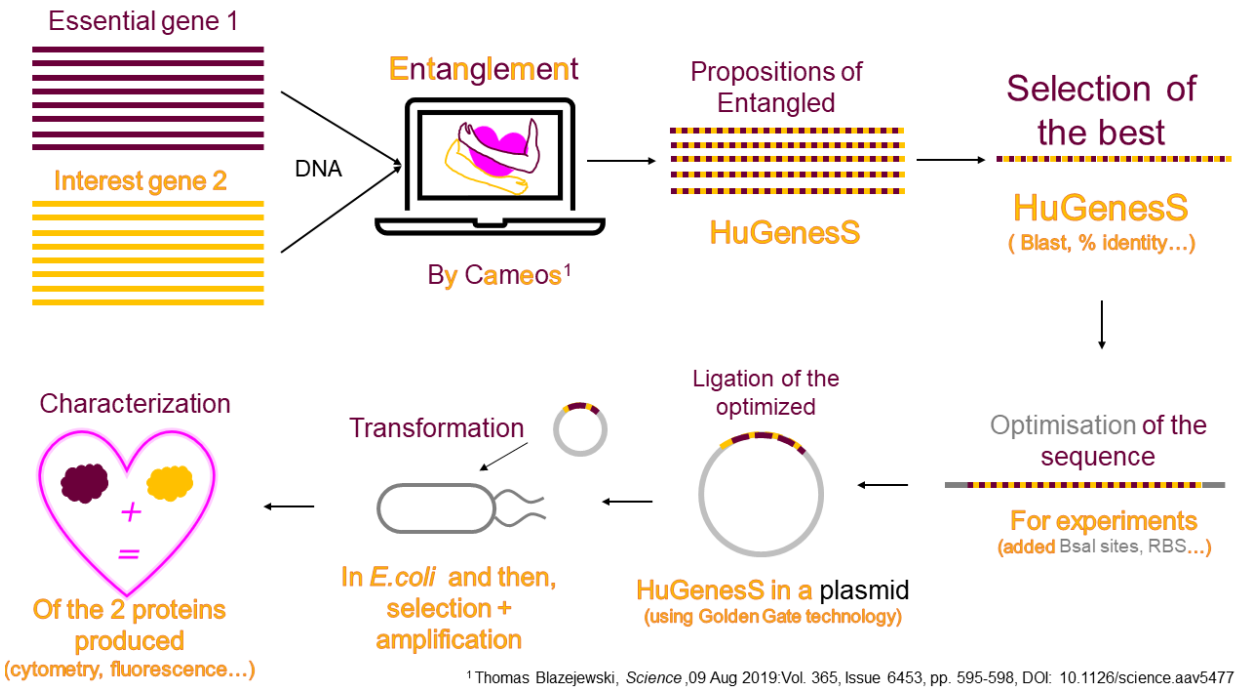
  HuGenesS
- Problem

  Genetic Entanglement
- wiki

  <https://2020.igem.org/Team:GO_Paris-Saclay
- Method

  multiple sequence alignments

  cloning and characterizing
- vector map



[1] Thomas Blazejewski, *Science* ,09 Aug 2019:Vol. 365, Issue 6453, pp. 595-598, DOI: 10.1126/science.aav5477

Team BOKU-Vienna

- School
  University of Natural Resources and Life Sciences
  University of Vienna
  Vienna University of Technology
- Team code

  351492
- Track

  Therapeutics
- Title

  Phangel- Taking Phage Therapy Ahead
- Problem

  Alternative therapy to antibiotic treatment
- wiki

  https://2020.igem.org/Team:BOKU-Vienna
- Method

  Creating phage with gene human plasma gelsystem

BRED system

Team BGU-Israel

- School
  Ben-Gurion Univesity of the Negev
- Team code

  339484
- Track

  Environment
- Title

  WIPEOUT - Wipes out wet wipes of the environment
- Problem

  Bacteria degrading cellulase
- wiki

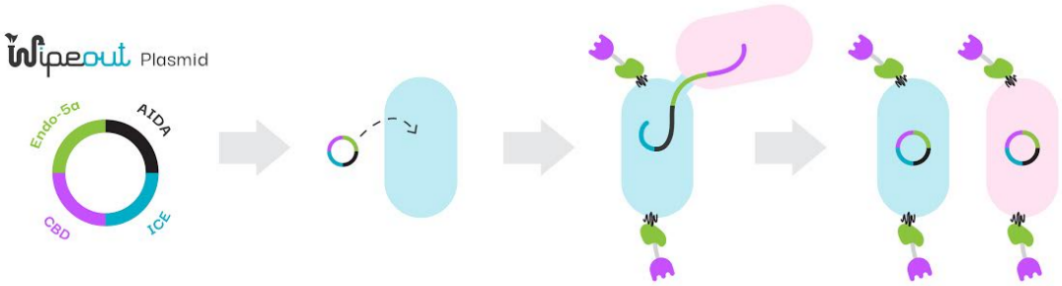
  〈https://2020.igem.org/Team:BGU-Israel〉
- Method

  1. cellulase

  AIDA-I(monomeric auto transporter),CBD-cellulose binding domain

  2.“ICE” elements

  mobile genetic elements which contain genes that allow them to integrate into a host genome



- vector map

Team Hannover

- Team code

  333835
- Track

  Diagnostics
- Title

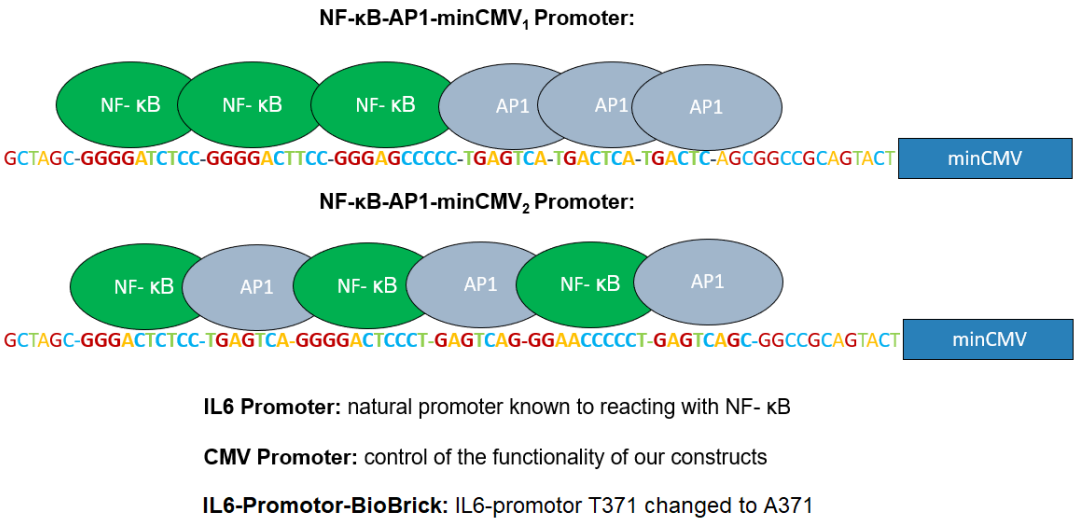
  InToSens Development of an Inflammatory Toxin Sensor for detecting implant associated inflammations

- Problem

  Biological design of sensor
- wiki

  https://2020.igem.org/Team:Hannover
- Method

  microfluidic measuring chamber



IL6 Promoter: natural promoter known to reacting with NF- κB

CMV Promoter: control of the functionality of our constructs

IL6-Promotor-BioBrick: IL6-promotor T371 changed to A371

- vector map

Team KAIT-Japan

- School
  Kanagawa Institute of Technology
- Team code

  368584
- Track

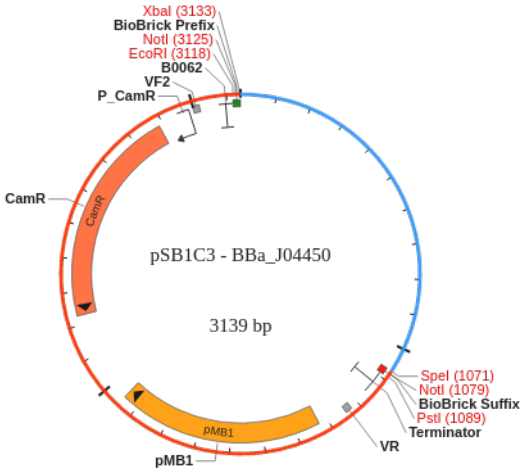
  New Application
- Title

E.coli that Create a Creative Environment

- Problem

  Development of E. coli biosynthesize aromatic component
- Method

  using ferulic acid, amino acids such as phenylalanine and tyrosine, and glucose as precursor for synthesis of vanillin


XbaI (3133)
BioBrick Prefix
NotI (3125)
EcoRI (3118)
B0062
VF2
P_CamR
CamR
CamR
pSB1C3 - BBa_J04450
3139 bp
SpeI (1071)
NotI (1079)
BioBrick Suffix
PstI (1089)
Terminator
VR
pMB1
pMB1

- vector map