

# PLASMIDS FOR CYANOBACTERIAL CRISPR AND HIGH SUCROSE PRODUCTION

---

[Pakrasi, Himadri](#)

[Gill, John](#)

T-019345

## **Plasmid for CRISPR interference in *Synechococcus* sp. UTEX 2973:**

pSL3287 ([Addgene](#)), included in publication: [Tunable repression of key photosynthetic processes using Cas12a CRISPR interference in the fast-growing cyanobacterium \*Synechococcus\* sp. UTEX 2973](#)

## **Plasmids for high level of sucrose production in *Synechococcus* sp. UTEX 2973:**

pSL3005 - PlacUV5-*cscB* (*E. coli*), *lacI*, NS3-targeting [KanR]

([Addgene](#)), included in publication: [Enhance production of sucrose in the fast-growing cyanobacterium \*Synechococcus elongatus\* UTEX 2973](#)

pSL3360 - Psps (*Synechocystis* 6803), RSF1010 plasmid [GmR]

Included in publication: [Enhance production of sucrose in the fast-growing cyanobacterium \*Synechococcus elongatus\* UTEX 2973](#)