|  |  |  |  |
| --- | --- | --- | --- |
| **Table S4.** Strains and plasmids used | | | |
| ***Strains*** | | **Genotype or description** | **Reference or source** |
| *E. coli* | |  |  |
|  | XL1-Blue | *end*A1 *gyr*A96(nalR) *thi*-1 *rec*A1 *rel*A1 *lac* *gln*V44 F'[ ::Tn10 *pro*AB+ *lac*Iq Δ(*lac*Z)M15] *hsd*R17(rK- mK+) | [68] |
| *B. subtilis* | |  |  |
|  | BEST40401 | *hsdR hsdM leu arg* containing plasmid pLS20cat | [24] |
|  | 1A976 | *his npr*E18 *apr*E3 *egl*S Δ102 *bgl*T/*bgl*S ΔEV *lac*A::PxylA-*comK* (em) | [60], BGSC\* |
|  | AK3 | *oppA*::Tn10 (spc) | [69] |
|  | 168 (1A700) | *trpC2* | BGSC |
|  | PY79 (1A747) | prototrophic attICEBs1 attSPbeta | BGSC |
|  | PKS11 | *trpC2* containing plasmid pLS20cat | [27] |
|  | PKS56 | *his* *npr*E18 *apr*E3 *egl*S Δ102 *bgl*T/*bgl*S ΔEV *lac*A::PxylA-*comK* (em) containing plasmid pLS20cat | [27] |
|  | PKS7 | *trpC2* *thrC*::Δ *Lac*Z(em) | This work |
|  | PKS9 | *trpC2 amy*E::Pspank*rco*LS20 (Spc) | This work |
|  | PKS14 | *trpC2*  *amy*E::Pspank*rco*LS20 (Spc) containing plasmid pLS20cat | This work |
|  | GR20 | *trpC2* *amy*E::P*spank* *rapLS20* (spec) | This work |
|  | GR23 | *trpC2* *amy*E::P*spank* *rapLS20* (spec) containing plasmid pLS20cat | This work |
|  | PKS57 | *his* *npr*E18 *apr*E3 *egl*S Δ102 *bgl*T/*bgl*S ΔEV *lac*A::PxylA-*comK* (em)  *amyE::PspankrcoLS20(spec)* | This work |
|  | PKS58 | *his npr*E18 *apr*E3 *egl*S Δ102 *bgl*T/*bgl*S ΔEV *lac*A::PxylA-*comK* (em)  *amyE::PspankrcoLS20(spec)*  containing pLS20cat plasmid | This work |
|  | PKS59 | *his npr*E18 *apr*E3 *egl*S Δ102 *bgl*T/*bgl*S ΔEV *lac*A::PxylA-*comK* (em) *amyE::PspankrcoLS20(spec)* containing pLS20rco plasmid | This work |
|  | PKS77 | *his npr*E18 *apr*E3 *egl*S Δ102 *bgl*T/*bgl*S ΔEV *lac*A::PxylA-*comK* (em) contaning plasmid pLS20rap | This work |
|  | PKS79 | *trpC2* containing plasmid pLS20rap | This work |
|  | PKS87 | *trpC2*  *amy*E*::Pspank rapLS20(spec)* containing plasmid pLS20rap | This work |
|  | PKS86 | *trpC2*  *amy*E::PspankrcoLS20 (spec) containing pLS20rco | This work |
|  | PKS97 | *trpC2*  *oppA::Tn10 (Spec)* | This work |
|  | PKS98 | *trpC2*  *oppA::Tn10 (Spec)*containing plasmid pLS20cat | This work |
|  | PS110 | *trpC2 amyE::*Pspank*-Δ(spec)* | This work |
|  | PKS113 | *his npr*E18 *apr*E3 *egl*S Δ102 *bgl*T/*bgl*S ΔEV *lac*A::PxylA-*comK* (Em) *amy*E::*Pspankrco*LS20(*spec*) containing plasmid pLS20phr | This work |
|  | PKS117 | *trpC2* *amy*E::*Pspankrco*LS20(*spec*) containing plasmid pLS20phr | This work |
|  | PKS139 | Prototrophic, attICEBs1 attSPbeta amyE::*PhspankrapI* (*spec*) | This work |
| **Plasmids** | | **Description** | **Reference or source** |
|  | pDR110 | *B. subtilis amyE* integration vector containing IPTG-inducible P*spank* promoter | D. Rudner |
|  | pBEST501 | *E. coli* vector containing neomycin resistance marker in multiple cloning site | [70] |
|  | pDG1663 | B. subtilis *thrC* integration vector containing promoter-less *lacZ* gene which is used for promoter screening | [71], BGSC |
|  | pLS20cat | Native plasmid pLS20 labelled with Cm resistance cassette in unique *Sal*I site. | [24] |
|  | pDRrcoLS20 | *rcoLS20* gene cloned in integration vector pDR110 | This work |
|  | pDRrapLS20 | *rapLS20* gene cloned in integration vector pDR110 | This work |
|  | pLS20xre | pLS20cat derivative in which *xreLS20* gene is replaced by Neomycin marker | This work |
|  | pLS20rap | pLS20cat derivative in which *rapLS20* gene is replaced by Neomycin marker | This work |
|  | pLS20phr | pLS20cat derivative in which *phrLS20* gene is replaced by Neomycin marker | This work |
|  | pPKS26 | *rapI* gene is cloned in the integration vector pDR111 | This work |
| \*, BGSC: Bacillus Genetic Stock Center, Department of Biochemistry, The Ohio State University, Columbus, OH, USA. (http://www.bgsc.org/ ) | | | |

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