Table S3: Strains

Strain	Genotype	Reference
3610	Wild type	
DK1042	$comI^{Q12L}$	Konkol, 2013
DK2050	$comI^{Q12L}$ Δefp	Rajkovic, 2016
DK2448	$comI^{Q12L}$ Δefp amyE::P$_{hyspank}$-efp-flag spec	Rajkovic, 2016
DK2886	$comI^{Q12L}$ Δefp ymfl::tet	Hummels, 2017
DK3621	$comI^{Q12L}$ ymfl::tet	Hummels, 2017
DK3780	$comI^{Q12L}$ Δefp amyE::P$_{yqhS}$efp cat	Hummels, 2017
DK3789	$comI^{Q12L}$ Δefp ymfl::tet amyE::P$_{yqhS}$efp cat	Hummels, 2017
DK3894	$comI^{Q12L}$ ΔyaaO	
DK3908	$comI^{Q12L}$ ΔyaaO efp::tet amyE:: P$_{hyspank}$-efp-flag spec	
DK4077	$comI^{Q12L}$ ΔyaaO ymfl::tet	
DK4300	$comI^{Q12L}$ Δefp ymfl::tet amyE::P$_{yqhS}$efp cat yaaO::TnYLB kan	
DK4301	$comI^{Q12L}$ Δefp ymfl::tet amyE::P$_{yqhS}$efp cat ynbB::TnYLB kan	
DK4302	$comI^{Q12L}$ Δefp ymfl::tet amyE::P$_{yqhS}$efp cat ynbA::TnHyJump kan	
DK4303	$comI^{Q12L}$ Δefp ymfl::tet amyE::P$_{yqhS}$efp cat yfkA:: TnHyJump kan	
DK4304	$comI^{Q12L}$ Δefp ymfl::tet amyE::P$_{yqhS}$efp cat gsaB:: TnHyJump kan	
DK4305	$comI^{Q12L}$ Δefp ymfl::tet amyE::P$_{yqhS}$efp cat yaaO:: TnHyJump kan	
DK4306	$comI^{Q12L}$ Δefp ymfl::tet amyE::P$_{yqhS}$efp cat yaaO:: TnHyJump kan	
DK4307	$comI^{Q12L}$ Δefp ymfl::tet amyE::P$_{yqhS}$efp cat gsaB:: TnHyJump kan	
DK4308	$comI^{Q12L}$ Δefp ymfl::tet amyE::P$_{yqhS}$efp cat yaaO:: TnHyJump kan	
DK4310	$comI^{Q12L}$ Δefp amyE::P$_{hyspank}$-efp-flag spec ynbB::TnYLB kan	
DK4313	$comI^{Q12L}$ Δefp amyE::P$_{hyspank}$-efp-flag spec gsaB::TnHyJump kan	
DK4364	$comI^{Q12L}$ Δefp ymfl::tet amyE::P$_{yqhS}$efp cat ynbB::TnYLB kan	
DK4365	$comI^{Q12L}$ Δefp ymfl::tet amyE::P$_{yqhS}$efp cat ynbA::TnYLB kan	
DK4366	$comI^{Q12L}$ Δefp ymfl::tet amyE::P$_{yqhS}$efp cat yaaO::TnYLB kan	
DK4367	$comI^{Q12L}$ Δefp ymfl::tet amyE::P$_{yqhS}$efp cat gsaB::TnYLB kan	
DK4368	$comI^{Q12L}$ Δefp ymfl::tet amyE::P$_{yqhS}$efp cat ywlG::TnYLB kan	
DK4369	$comI^{Q12L}$ Δefp ymfl::tet amyE::P$_{yqhS}$efp cat ynbB::TnYLB kan	
DK4370	$comI^{Q12L}$ Δefp ymfl::tet amyE::P$_{yqhS}$efp cat ynbB::TnYLB kan	
DK4371	$comI^{Q12L}$ Δefp ymfl::tet amyE::P$_{yqhS}$efp cat yaaO::TnYLB kan	
DK4372	$comI^{Q12L}$ Δefp ymfl::tet amyE::P$_{yqhS}$efp cat gsaB::TnYLB kan	
DK4373	$comI^{Q12L}$ Δefp ymfl::tet amyE::P$_{yqhS}$efp cat gsaB::TnYLB kan	
DK4374	$comI^{Q12L}$ Δefp ymfl::tet amyE::P$_{yqhS}$efp cat gsaB::TnYLB kan	
DK4375	$comI^{Q12L}$ Δefp ymfl::tet amyE::P$_{yqhS}$efp cat gsaB::TnYLB kan	
DK4376	$comI^{Q12L}$ Δefp ymfl::tet amyE::P$_{yqhS}$efp cat gsaB::TnYLB kan	
DK4381	$comI^{Q12L}$ Δefp ymfl::tet amyE::P$_{yqhS}$efp cat ynbB::TnYLB kan	
DK4382	$comI^{Q12L}$ Δefp ymfl::tet amyE::P$_{yqhS}$efp cat yaaO::TnYLB kan	
DK4383	$comI^{Q12L}$ Δefp ymfl::tet amyE::P$_{yqhS}$efp cat ynbB::TnYLB kan	
DK4384	$comI^{Q12L}$ Δefp ymfl::tet amyE::P$_{yqhS}$efp cat gsaB::TnHyJump kan	
DK4564	$comI^{Q12L}$ ΔyfkA	
DK4572	$comI^{Q12L}$ ΔyfkA efp::tet amyE::P$_{hyspank}$-efp-flag spec	
DK4573	$comI^{Q12L}$ Δefp amyE::P$_{hyspank}$-efp-flag spec ywlG::TnYLB kan	
DK4601	$comI^{Q12L}$ ΔgsaB	
DK4604	$comI^{Q12L}$ ΔynbB	
DK4605	$comI^{Q12L}$ ΔynbA	
DK4612	$comI^{Q12L}$ ΔywlG	
DK4815	$comI^{Q12L}$ ΔgsaB ΔyaaO efp::tet amyE::P$_{hyspank}$-efp-flag spec	
DK5170	$comI^{Q12L}$ ΔyfkA ymfl::tet	
DK5171	$comI^{Q12L}$ ΔgsaB ymfl::tet	
DK5172	$comI^{Q12L}$ ΔynbB ymfl::tet	
DK5173	$comI^{Q12L}$ ΔynbA ymfl::tet	
DK5174	$comI^{Q12L}$ ΔywlG ymfl::tet	

DK5165	$comI^{Q12L}$ $\Delta yfkA$ $amyE::P_{yfkA}$-yfkA spec	
DK5166	$comI^{Q12L}$ $\Delta ywlG$ $amyE::P_{ywlF}$-ywlG spec	
DK5167	$comI^{Q12L}$ $\Delta yaaO$ $amyE::P_{xpcA}$-yaaO spec	
DK5304	$comI^{Q12L}$ $\Delta yfkA$ ymfI::tet $amyE::P_{yfkA}$-yfkA spec	
DK5305	$comI^{Q12L}$ $\Delta yaaO$ ymfI::tet $amyE::P_{xpcA}$-yaaO spec	
DK5308	$comI^{Q12L}$ $\Delta gsaB$ $amyE::P_{gsaB}$-gsaB spec	
DK5309	$comI^{Q12L}$ $\Delta ynbB$ $amyE::P_{ynbA}$-ynbB spec	
DK5310	$comI^{Q12L}$ $\Delta ynbA$ $amyE::P_{ynbA}$-ynbA spec	
DK5320	$comI^{Q12L}$ $\Delta gsaB$ ymfI::tet $amyE::P_{gsaB}$-gsaB spec	
DK5321	$comI^{Q12L}$ $\Delta ynbB$ ymfI::tet $amyE::P_{ynbA}$-ynbB spec	
DK5322	$comI^{Q12L}$ $\Delta ynbA$ ymfI::tet $amyE::P_{ynbA}$-ynbA spec	
DK5323	$comI^{Q12L}$ ymfI::tet ynbA::TnYLB kan	
DK5326	$comI^{Q12L}$ $\Delta ywlG$ ymfI::tet $amyE::P_{ywlF}$-ywlG spec	
DK5327	$comI^{Q12L}$ $\Delta yaaO$ $amyE::P_{hyspank}$-yaaO spec	
DK5328	$comI^{Q12L}$ $\Delta yaaO$ ymfI::tet $amyE::P_{hyspank}$-yaaO spec	
DK5339	$comI^{Q12L}$ ymfI::tet ynbA::TnHyJump kan	
DK5340	$comI^{Q12L}$ ymfI::tet ynbA::TnHyJump kan $amyE::P_{ynbA}$-ynbB spec	
DK5342	$comI^{Q12L}$ ymfI::tet ynbA::TnYLB kan $amyE::P_{ynbA}$-ynbB spec	
DS235	ymfI::tet	Kearns, 2004
DS354	efp::tet	Kearns, 2004
DS2197	sfp^{0} swrA pMarA kan mls	Le Breton, 2006
DS7853	sfp^{0} swrA pTnHyJump kan mls	Pozsgai, 2012
AW112	$comI^{Q12L}$ $amyE::P_{hyspank}$-gfp	
AW113	$comI^{Q12L}$ $amyE::P_{hyspank}$-ppw-gfp	
AW114	$comI^{Q12L}$ Δefp $amyE::P_{hyspank}$-gfp	
AW115	$comI^{Q12L}$ Δefp $amyE::P_{hyspank}$-ppw-gfp	
AW118	$comI^{Q12L}$ $\Delta gsaB$ $amyE::P_{hyspank}$-gfp	
AW119	$comI^{Q12L}$ $\Delta gsaB$ $amyE::P_{hyspank}$-ppw-gfp	
AW120	$comI^{Q12L}$ $\Delta ynbB$ $amyE::P_{hyspank}$-gfp	
AW121	$comI^{Q12L}$ $\Delta ynbB$ $amyE::P_{hyspank}$-ppw-gfp	
AW122	$comI^{Q12L}$ $\Delta yfkA$ $amyE::P_{hyspank}$-gfp	
AW123	$comI^{Q12L}$ $\Delta yfkA$ $amyE::P_{hyspank}$-ppw-gfp	
AW124	$comI^{Q12L}$ $\Delta ywlG$ $amyE::P_{hyspank}$-gfp	
AW125	$comI^{Q12L}$ $\Delta ywlG$ $amyE::P_{hyspank}$-ppw-gfp	
AW126	$comI^{Q12L}$ amyE::spec	
AW146	$comI^{Q12L}$ $amyE::P_{hyspank}$-fabF	
AW147	$comI^{Q12L}$ $amyE::P_{hyspank}$-fabG	
AW148	$comI^{Q12L}$ $amyE::P_{hyspank}$-accB	
AW149	$comI^{Q12L}$ $amyE::P_{hyspank}$-ppp-gfp	
AW150	$comI^{Q12L}$ Δefp $amyE::P_{hyspank}$-ppp-gfp	
AW156	$comI^{Q12L}$ ymfI::tet $amyE::P_{hyspank}$-ppp-gfp	
AW157	$comI^{Q12L}$ $\Delta yaaO$ $amyE::P_{hyspank}$-ppp-gfp	
AW158	$comI^{Q12L}$ $\Delta gsaB$ $amyE::P_{hyspank}$-ppp-gfp	
AW159	$comI^{Q12L}$ $\Delta ynbB$ $amyE::P_{hyspank}$-ppp-gfp	
AW160	$comI^{Q12L}$ $\Delta yfkA$ $amyE::P_{hyspank}$-ppp-gfp	
AW161	$comI^{Q12L}$ $\Delta ywlG$ $amyE::P_{hyspank}$-ppp-gfp	
AW163	$comI^{Q12L}$ $amyE::P_{hyspank}$-ppe-gfp	
AW164	$comI^{Q12L}$ Δefp $amyE::P_{hyspank}$-ppe-gfp	
AW165	$comI^{Q12L}$ ymfI::tet $amyE::P_{hyspank}$-ppe-gfp	
AW166	$comI^{Q12L}$ $\Delta yaaO$ $amyE::P_{hyspank}$-ppe-gfp	
AW167	$comI^{Q12L}$ $\Delta gsaB$ $amyE::P_{hyspank}$-ppe-gfp	
AW168	$comI^{Q12L}$ $\Delta ynbB$ $amyE::P_{hyspank}$-ppe-gfp	
AW169	$comI^{Q12L}$ $\Delta yfkA$ $amyE::P_{hyspank}$-ppe-gfp	
AW170	$comI^{Q12L}$ $\Delta ywlG$ $amyE::P_{hyspank}$-ppe-gfp	
RT01	$comI^{Q12L}$ ymfI::tet $amyE::P_{hyspank}$-gfp	

RT02	*comI^{Q12L} ymfI::tet amyE::P$_{hyspank}$-ppw-gfp*
RT03	*comI$^{Q12\ L}$ ΔyaaO amyE::P$_{hyspank}$-gfp*
RT04	*comI^{Q12L} ΔyaaO amyE::P$_{hyspank}$-ppw-gfp*
BEC11340	*lacA::P$_{xyl}$-dcas9 amyE::P$_{veg}$-sgRNA(fabF)*
BEC15910	*lacA::P$_{xyl}$-dcas9 amyE::P$_{veg}$-sgRNA(fabG)*
BEC24350	*lacA::P$_{xyl}$-dcas9 amyE::P$_{veg}$-sgRNA(accB)*