

**Table S1:** Strains and their respective genotypes used in this study.

Strain name	Genotype	Reference
TN02a3	<i>pyrG89; argB2 ΔnkuA::argB; pyroA4 veA1</i>	Hoffmann et al., 2001
CreA::GFP	<i>pyrG89; pyroA4; Δnku70::argB; creA::gfp::pyrG</i>	Brown et al., 2013
CreB15	<i>creB15; biA1; wa3</i>	Hynes and Kelly, 1977
CreC27	<i>creC27; niiA4; biA1; wa3</i>	Hynes and Kelly, 1977
ΔKapC	<i>pyrG89, ΔkapC::pyrGAf; pyroA4, ΔnkuA::argB (argB2)</i>	Markina-Iñarrairaegui et al., 2011
ΔKapD	<i>pyrG89, ΔkapD::pyrGAf; pyroA4, ΔnkuA::argB (argB2)</i>	Markina-Iñarrairaegui et al., 2011
ΔKapG	<i>pyrG89, ΔkapG::pyrGAf; pyroA4, ΔnkuA::argB (argB2)</i>	Markina-Iñarrairaegui et al., 2011
ΔKapH	<i>pyrG89, ΔkapH::pyrGAf; pyroA4, ΔnkuA::argB (argB2)</i>	Markina-Iñarrairaegui et al., 2011
ΔKapI	<i>pyrG89, ΔkapI::pyrGAf; pyroA4, ΔnkuA::argB (argB2)</i>	Markina-Iñarrairaegui et al., 2011
ΔKapJ	<i>pyrG89, ΔkapJ::pyrGAf; pyroA4, ΔnkuA::argB (argB2)</i>	Markina-Iñarrairaegui et al., 2011
ΔKapL	<i>pyrG89, ΔkapL::pyrGAf; pyroA4, ΔnkuA::argB (argB2)</i>	Markina-Iñarrairaegui et al., 2011
ΔKapM	<i>pyrG89, ΔkapM::pyrGAf; pyroA4, ΔnkuA::argB (argB2)</i>	Markina-Iñarrairaegui et al., 2011
ΔKapN	<i>pyrG89, ΔkapN::pyrGAf; pyroA4, ΔnkuA::argB (argB2)</i>	Markina-Iñarrairaegui et al., 2011
CreA::Luciferase	<i>pyrG89; pyroA4; Δnku70::argB; creA::luciferase::pyrG</i>	This work
CreA::GFPxCreB15	<i>pyrG89; Δnku70::argB; creA::gfp::pyrG; biA1; creB15; wa3</i>	This work
CreA::GFPxCreC27	<i>pyrG89; Δnku70::argB; creA::gfp::pyrG; biA1; creC27; niiA4; wa3</i>	This work
CreAΔAlan	<i>pyrG89; pyroA4; Δnku70::argB; creA<sup>131-139</sup>::pyrG</i>	This work
CreAΔAcid	<i>pyrG89; pyroA4; Δnku70::argB; creA<sup>264-271</sup>::pyrG</i>	This work
CreAΔConsv	<i>pyrG89; pyroA4; Δnku70::argB; creA<sup>271-315</sup>::pyrG</i>	This work
CreAΔRepr	<i>pyrG89; pyroA4; Δnku70::argB; creA<sup>336-361</sup>::pyrG</i>	This work
ClrA::Luciferase	<i>pyrG89; pyroA4; Δnku70::argB; clrA::luciferase::pyrG</i>	This work
ClrB::Luciferase	<i>pyrG89; pyroA4; Δnku70::argB; clrB::luciferase::pyrG</i>	This work
CreA::GFPxΔkap C	<i>creA::gfp::pyrG; pyrG89; pyroA4; Δnku70::argB; ΔkapC::pyrGAf</i>	This work
CreA::GFPxΔkap D	<i>creA::gfp::pyrG; pyrG89; pyroA4; Δnku70::argB; ΔkapD::pyrGAf</i>	This work
CreA::GFPxΔkap G	<i>creA::gfp::pyrG; pyrG89; pyroA4; Δnku70::argB; ΔkapG::pyrGAf</i>	This work
CreA::GFPxΔkap H	<i>creA::gfp::pyrG; pyrG89; pyroA4; Δnku70::argB; ΔkapH::pyrGAf</i>	This work
CreA::GFPxΔkap I	<i>creA::gfp::pyrG; pyrG89; pyroA4; Δnku70::argB; ΔkapI::pyrGAf</i>	This work
CreA::GFPxΔkap J	<i>creA::gfp::pyrG; pyrG89; pyroA4; Δnku70::argB; ΔkapJ::pyrGAf</i>	This work
CreA::GFPxΔkap L	<i>creA::gfp::pyrG; pyrG89; pyroA4; Δnku70::argB; ΔkapL::pyrGAf</i>	This work
CreA::GFPxΔkap M	<i>creA::gfp::pyrG; pyrG89; pyroA4; Δnku70::argB; ΔkapM::pyrGAf</i>	This work
CreA::GFPxΔkap N	<i>creA::gfp::pyrG; pyrG89; pyroA4; Δnku70::argB; ΔkapN::pyrGAf</i>	This work