

Primers used for *Bacillus licheniformis* MLST scheme

The Bacillus MLST scheme uses internal fragments of the following six house-keeping genes:

adk (adenylate kinase)

ccpA (transcriptional regulator)

recF (recombination protein F)

sucC (succinyl-CoA synthetase, subunit beta)

rpoB (DNA-directed RNA polymerase, subunit beta)

spo0A (transcriptional regulator)

PCR amplification:

The primer pairs we use for the PCR amplification of internal fragments of these genes are:

Gene	Forward primer 5'-3' sequence	Reverse primer 5'-3' sequence	Annealing temp. °C
adk	GGT AAA GGG ACA CAG GCT GA	TCG AGT AAA GGC TGG GTT TG	58
ccpA	TAT GAT GTA GCA CGC GAA GC	TAT CCC CAA GCG CTC TTT TA	58
recF	ACG GTT CTG TTC CCA TTC AG	CAT CAC GGC CAT TGA CAT AG	58
sucC	GGG TCC CGA CGG CCA ACA AA	GGC CGG TTC CCC TCC GTA GT	58
rpoB*	AGG TCA ACT AGT TCA GTA TGG ACG	AAG AAC CGT AAC CGG CAA CTT	58
spo0A	GAA GTG CTT GGT GTC GCA TA	TGT GTA GCC GAA AAG TGA CG	58

*(De Clerck and De Vos 2004)

Sequencing:

We use the same primer pairs for sequencing.

References

De Clerck,E., De Vos,P., 2004. Genotypic diversity among *Bacillus licheniformis* strains from various sources. FEMS Microbiol. Lett. 231, 91-98.