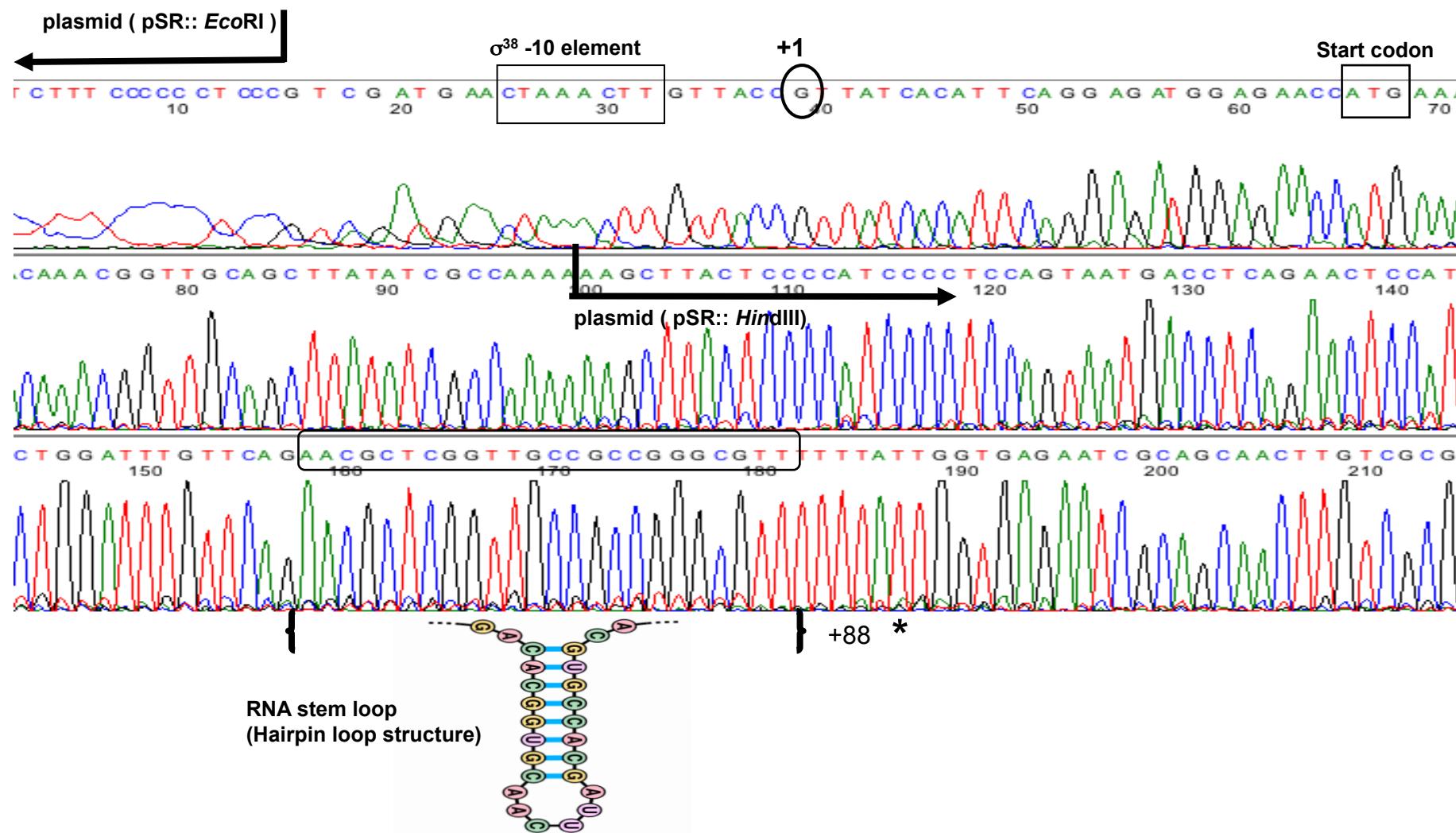
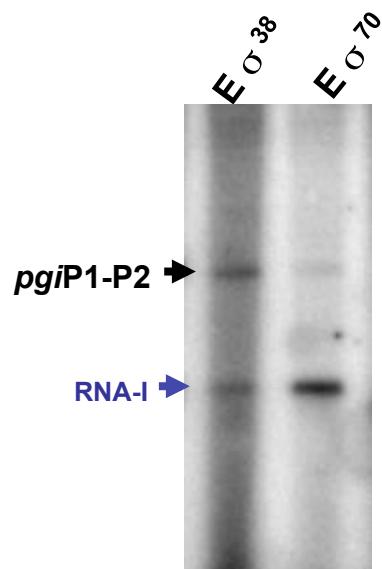
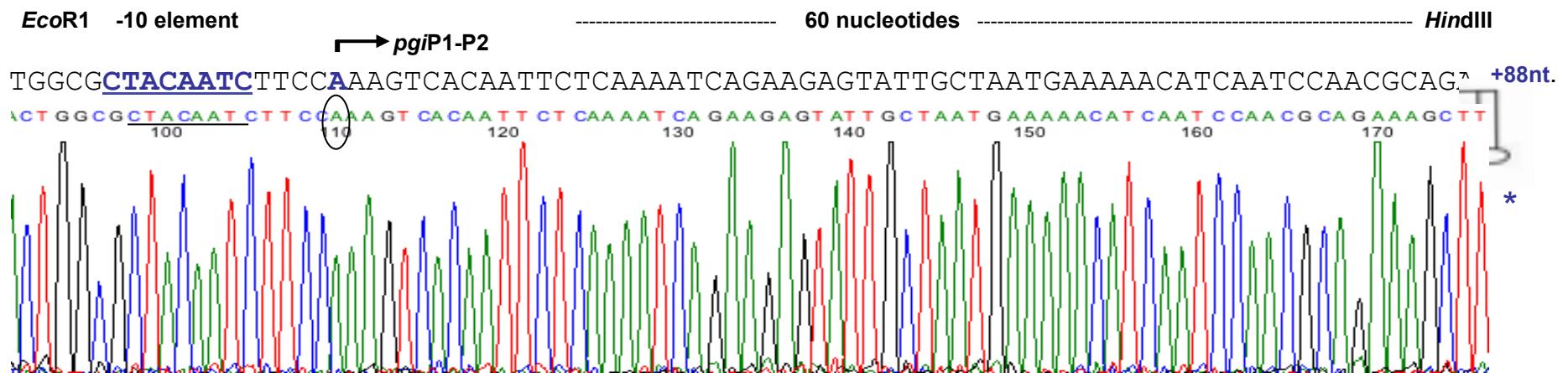


Figure S2

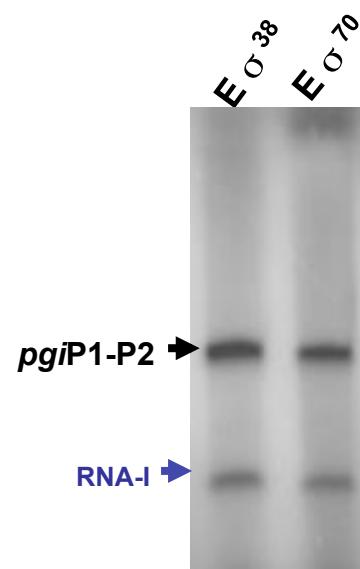
a. The nucleotide sequence of the *EcoRI-HindIII* segment carrying the promoter region of the *poxB* gene cloned in plasmid pSR, as well as other relevant DNA regions of this plasmid, are presented, as an example for the production of promoter gene specific fragments.



b. *pgi* Glucosephosphate isomerase

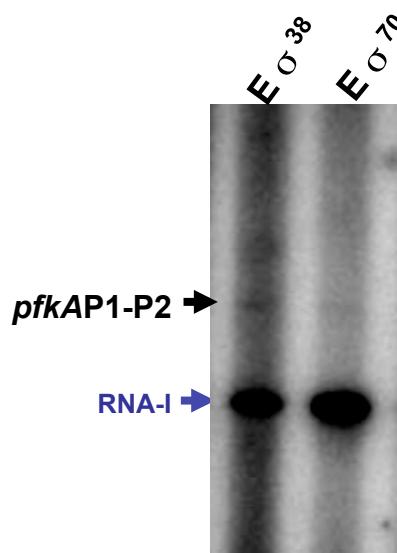
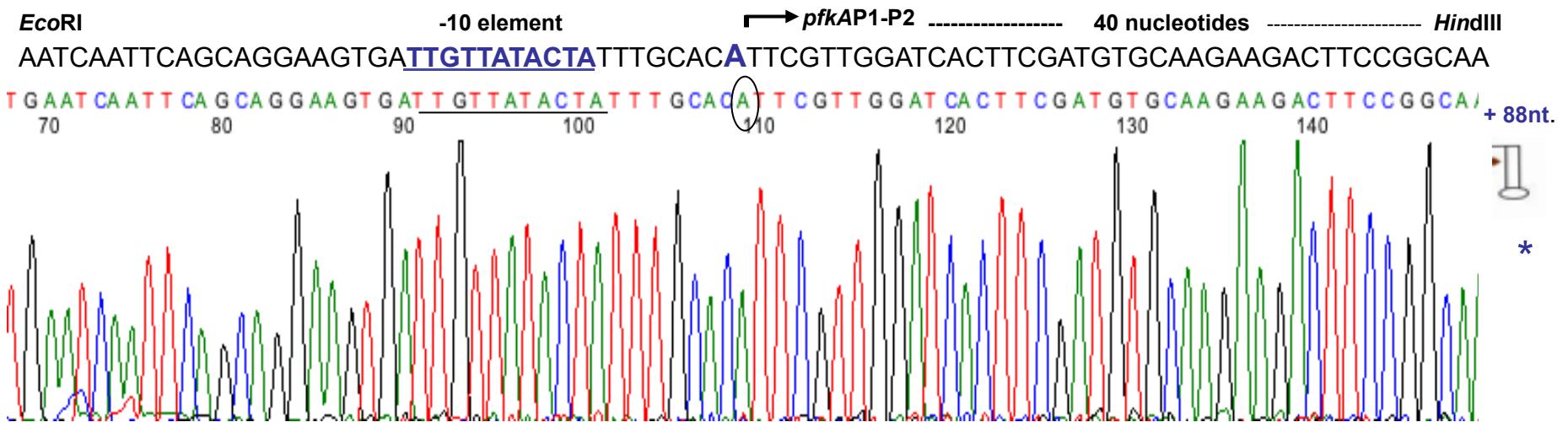


1

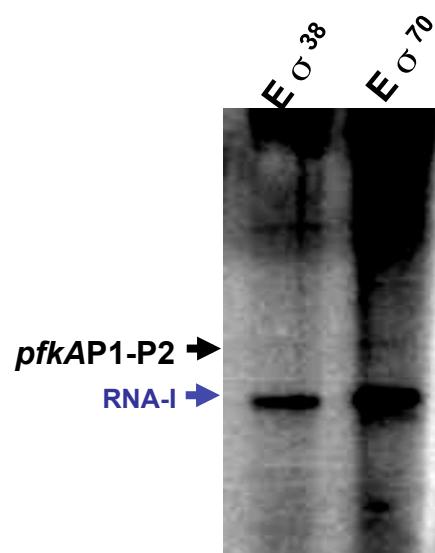


2

c. pfkA 6-phosphofructokinase I

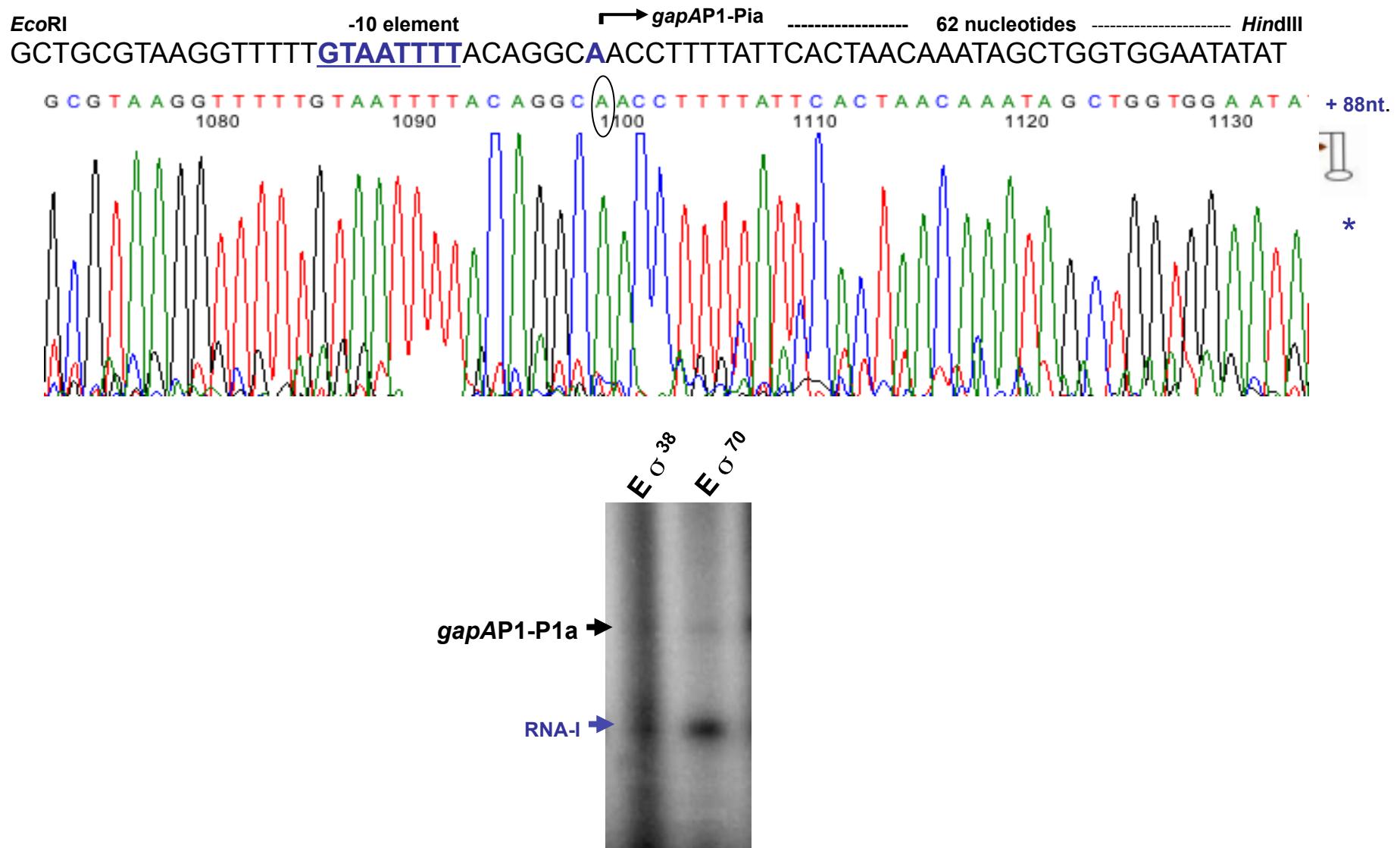


1



2

d. *gapA* Glyceraldehyde 3-phosphate dehydrogenase A



e.- *pykF* Pyruvate kinase F

*Eco*RI

-10 element

→ *pykFP4-P5*

127 nucleotides

ACAAGCACACATTCTCAC CTATCCTT AGAGC **G**AGGCACCACCACTTC**G**TAATACCGGATTGCTTCCGGCAGTGC

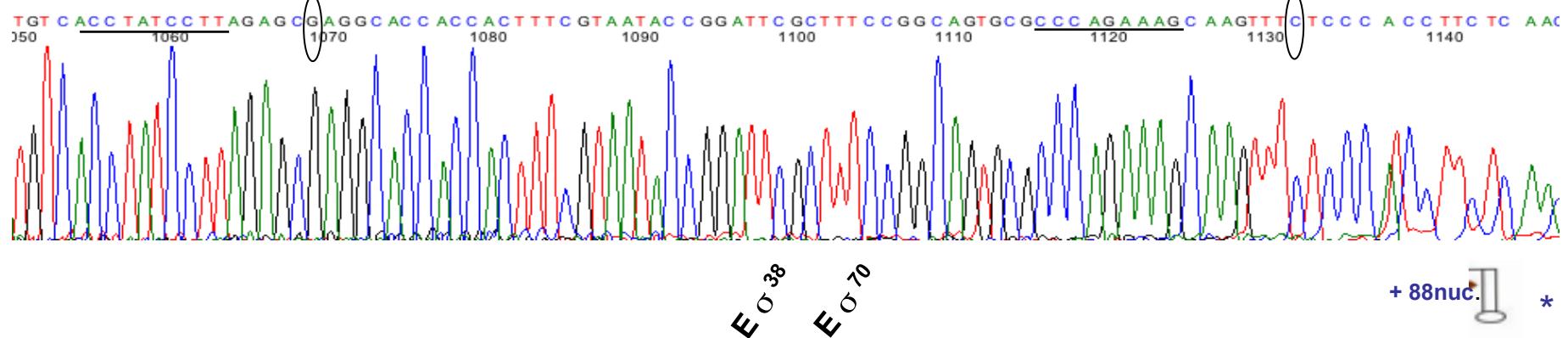
→ *pykFP1-P2*

62 nucleotides

*Hind*II

GC CCAGAAAG CAAGTTT**C**TCCCATCCTTCTCAACTAAAGACTAAGACTGTCATGAAAAAGACCAAAATTGTTGCAC

pykFP4-P5

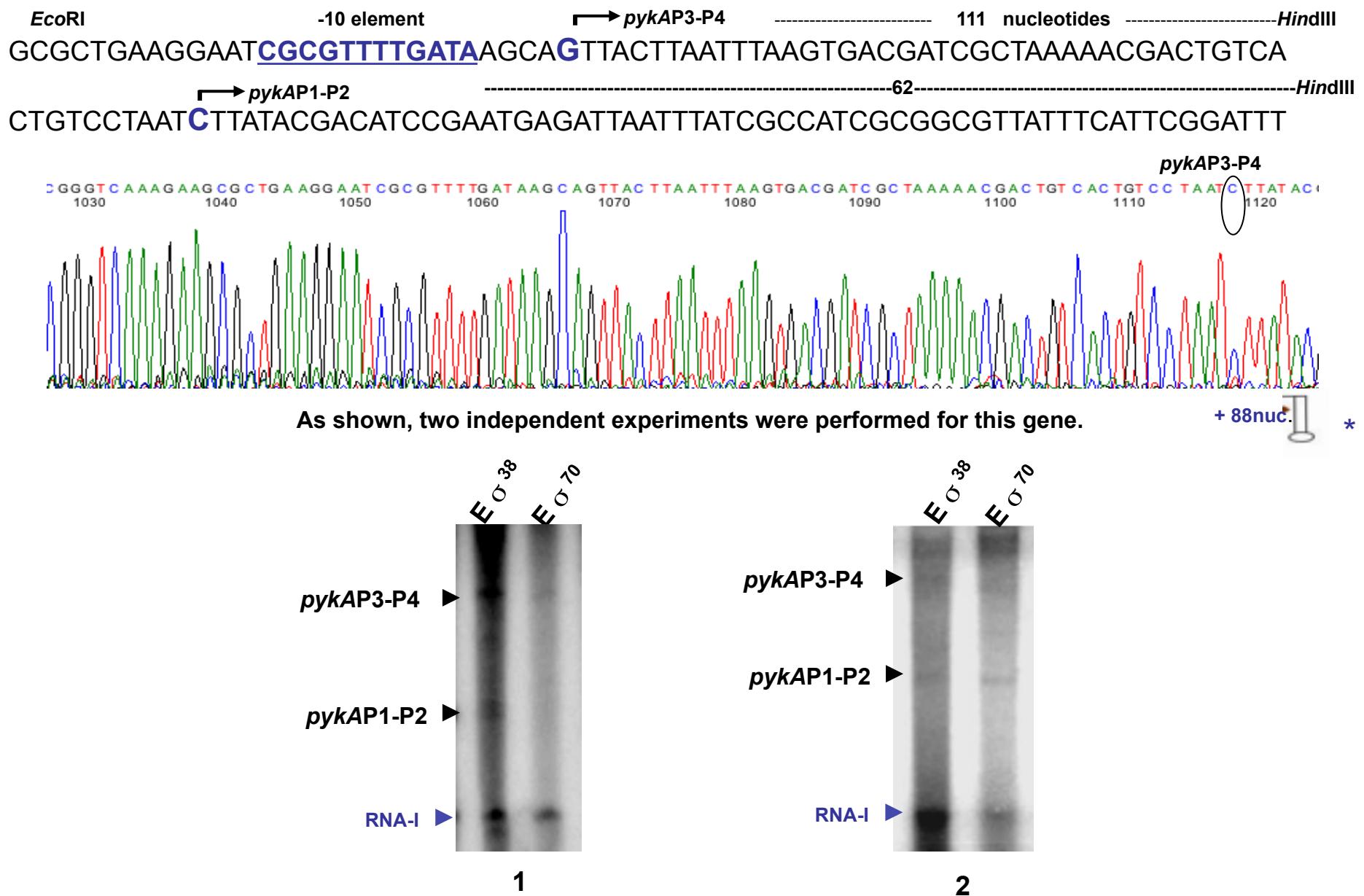


pykFP4-P5 →
(215 nt)

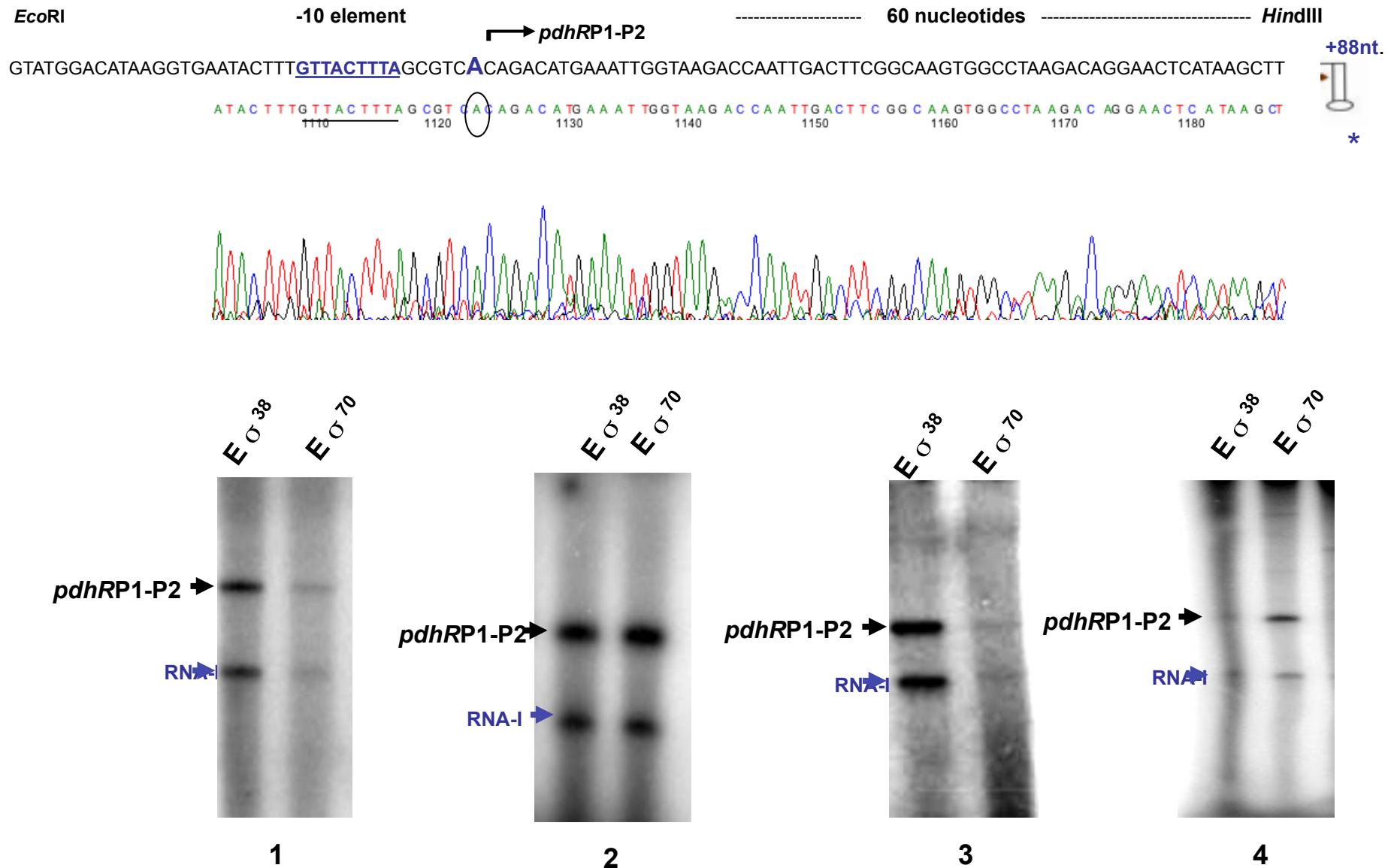
pykFP1-P2 →
(150 nt)

RNA-I →

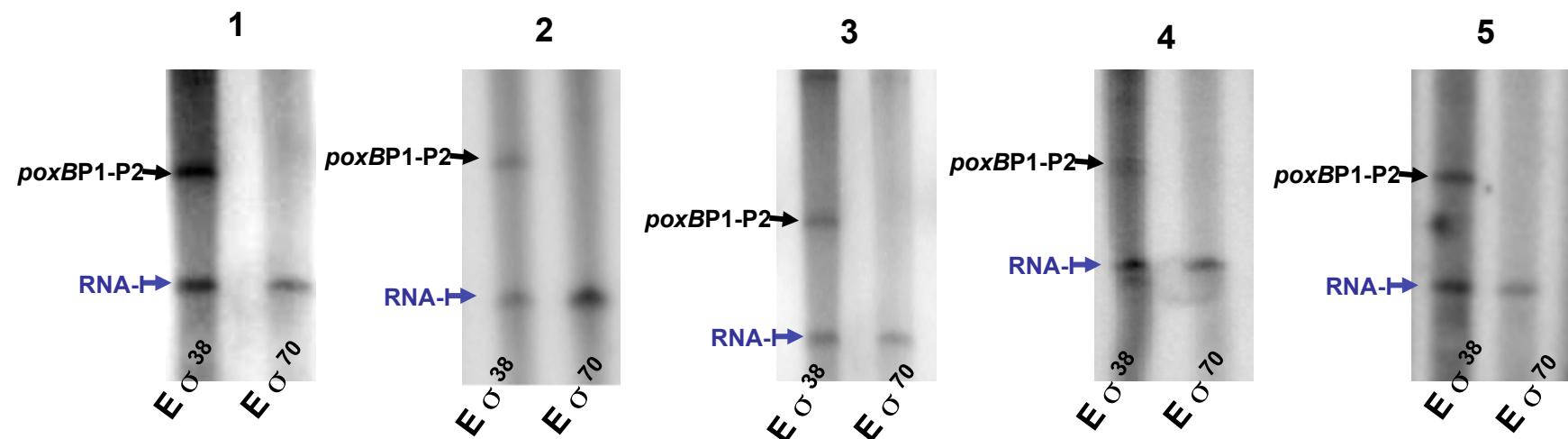
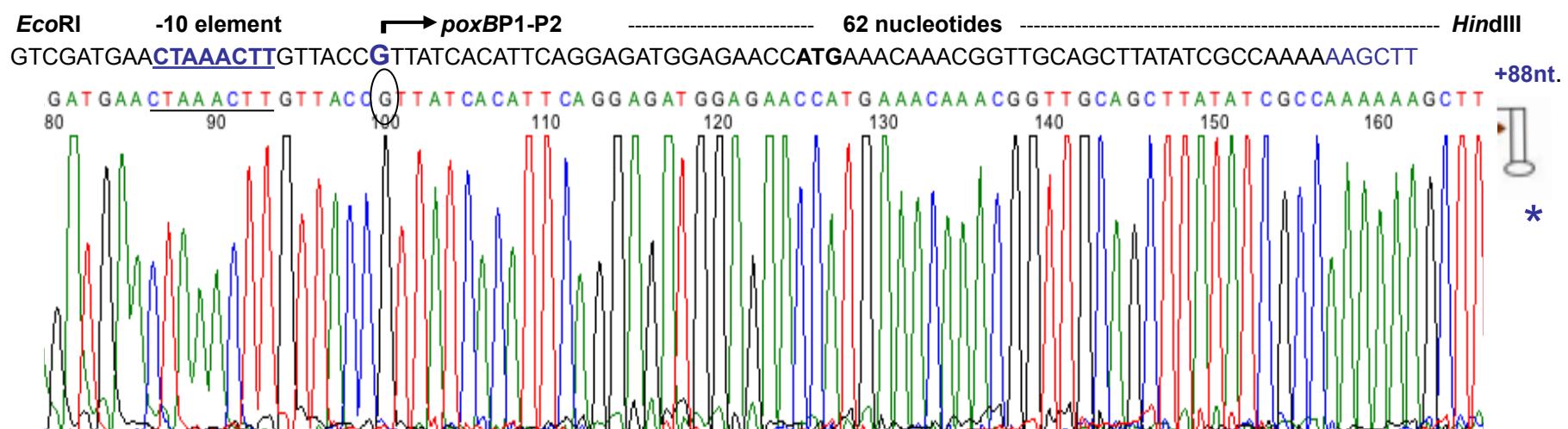
f. *pykA* Pyruvate kinase A



g. *pdhR* Transcriptional regulator of the pyruvate dehydrogenase



h. *poxB* Pyruvate oxidase



i. *acs* Acetyl-CoA synthase

