Erratum

Genetic studies on the β subunit of *Escherichia coli* RNA polymerase

VIII. Localisation of a region involved in promoter selectivity

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Please note the following corrections:

The first line of the footnote to Table 1, p. 488, should read:

A(rpoB) 1570-1 was tested in both the AJ and W3110 genetic background (see Materials and methods, and Nene and Glass 1984b).

Figure 2A, B, p. 489, has been reprinted so that the bands (transcript 'i', right panel, B) can be seen more clearly.

Fig. 2A, B. Promoter specificity of *A(rpoB) 1570-1* RNA polymerase. RNA polymerase from *rpoB*⁺ (A) and *A(rpoB) 1570-1* (B) strains were studied. The left panel shows transcripts synthesised when using all the promoter fragments detailed in Fig. 1: the right panel is for in vitro transcription primed with the *dnaQ/rnh* and *recA* fragments. The wild-type enzyme employed in these studies was from AJ1: W3350 RNA polymerase gave near identical results (data not shown) as would be expected. Tracks 1, 2, 3, 4, 5 and 6 in the four experiments are for in vitro transcription in the absence of ppGpp, and in the presence of 0.025, 0.05, 0.1, 0.2 and 0.4 mM, ppGpp, respectively. Transcripts 'a', 'b', and 'd' are initiated from *dnaQ*_{P1}, *rnh* and *dnaQ*_{P2} (the origin of band 'c' is unknown). Transcripts 'e', 'f' and 'l' are uncharacterised products from the *rplJp* DNA fragments. Band 'g' is the *trpP* product. Transcript 'h' comes from *nusAp* which virtually co-migrates with the *recAp* product, band 'i'. Transcripts 'j' is initiated at *rplJp*. Transcript 'k' is from the *lacUV5* promoter. The difference in promoter specificity is clearly seen when the in vitro transcription system contains all eleven promoters (viz bands a, b, d and k, left panel) and is emphasised when studying just the *dnaQ*_{P1,P2} and *rnh* promoters using *recAp* as control (compare bands a, b and d to i, right panel). As expected, transcription from *rplJp* is sensitive to ppGpp: at high concentrations, as has been reported (Kajitani and Ishihama 1984), *lac* transcription is inhibited (see bands j and k in tracks A1–A6, left panel). Some sensitivity to ppGpp is observed with the wild-type enzyme on *dnaQ*_{P1,P2} and *rnh* (bands a, b, d) and is much increased with *A(rpoB) 1570-1* RNA polymerase (compare tracks A1–A6 and B1–B6, right panel)

The following reference should read as follows:

Glass RE, Honda A, Ishihama A (1986a) Genetic studies on the β subunit of *Escherichia coli* RNA polymerase. IX. The role of the carboxy-terminus in enzyme assembly. Mol Gen Genet 203:492–495