

TABLE 1. mRNA half-life determination in S1-depleted cells

mRNA	half-life (min) ^a			
	<i>pnp</i> ^{+b}		Δ <i>pnp-751</i> ^b	
	ara	glu	ara	glu
<i>pnp</i> ^c	1.8	6.4	5.5	6.4
<i>glnS</i>	2.3	2.3	2.1	2.2

^aCalculated as detailed in Materials and Methods; the reported results are the average of two independent determinations.

^bCultures of C-5698 (*pnp*⁺) and C-5707 (Δ *pnp-751*) grown as detailed in Materials and Methods and in the legends of Figures 4 and 5.

^cFor *pnp*⁺, the sum of 2.25- and 2.5-kb mRNA and for Δ *pnp-751* strain, the sum of 1.3-, 0.7-, and 0.3-kb signals were considered for *pnp* half-life calculation.

TABLE 2. mRNA half-life in S1-overexpressing cells

mRNA	<i>pnp</i> ^{+a}			Δ <i>pnp-751</i> ^a		
	R.A. ^b	half-life (min) ^c		R.A. ^b	half-life (min) ^c	
		-IPTG	+IPTG		-IPTG	+IPTG
<i>pnp</i> ^d	2.2	2.3	27.9	0.6	4.3	10.7
<i>pnp-deaD</i> ^e	10.8	3.4	17.1	1.8	2.2	23.0
<i>cspE</i>	1.0	4.0	29.8	0.8	4.9	6.7
<i>glnS</i>	1.1	3.1	37.6	0.7	1.9	3.4
<i>glyA</i>	1.1	4.6	>48	0.3	4.2	10.8
<i>rpsO</i> ^f	1.9	2.8	20.6	1.5	2.3	3.7

^aCultures of C-1a (*pnp*⁺) and C-5691 (Δ *pnp-751*) with plasmids pQE31-S1 and pREP4 grown and experiment performed as detailed in Figure 7 legend.

^bRelative abundance, calculated as the ratio between mRNA amounts in induced and noninduced cultures 60 min after IPTG addition.

^cCalculated as detailed in Materials and Methods, the reported half-lives are the average of at least two independent determinations in all cases but the *cspE* and *glyA* mRNA half-lives in *pnp*⁺ cells without IPTG, which are the results of a single determination.

^dFor *pnp*⁺, the sum of 2.25- and 2.5-kb mRNA and, for Δ *pnp-751*, the sum of 1.3-, 0.7-, and 0.3-kb signals were considered for half-life calculation.

^eSignals corresponding to 5.4- and 3.4-kb-long RNAs (terminating at the terminator *deaD*t; Zangrossi et al. 2000) were considered for half-life calculation in the *pnp*⁺ and Δ *pnp-751*, respectively.

^fThe sum of the two signals detected (see Figure 7) was considered for half-life calculation in both the *pnp*⁺ and Δ *pnp-751*.