

Supplementary Materials: One-Pot Multi-Enzymatic Production of Purine Derivatives with Application in Pharmaceutical and Food Industry

Table S1. Effect of molar ratio in the production of purine NAs catalyzed by *Ld*NDT or *Ld*NDT/*Tt*HGXPRT.

Catalyst	Donor (mM)	Acceptor (mM)	Product	Conversion (%)
<i>Ld</i> NDT ^a	dIno (1)	Cyt (1)	dCyd	19±3
	dIno (3)	Cyt (1)	dCyd	30±1
<i>Ld</i> NDT/ <i>Tt</i> HGXPRT ^b	dIno (1)	Cyt (1)	dCyd	26±0
	dIno (3)	Cyt (1)	dCyd	39±3

^a Reaction conditions: 0.3 µg of enzyme in 40 µL at 50 °C, 5 min and 300 rpm [dIno] = 3 mM or 1 mM; [base] = 1 mM, in 50 mM sodium phosphate buffer, pH 6.0.

^b Reaction conditions: 0.3 µg of *Ld*NDT, 1 µg of *Tt*HGXPRT in 40 µL at 50 °C and 300 rpm, 20-60 min. [dIno] = 1 mM or 3 mM; [base] = 1 mM, [PRPP] = 1 mM, [MgCl₂] = 1.2 mM, in 50 mM sodium phosphate buffer, pH 6.0.