

SUPPLEMENTARY DATA

Supplementary Figure 1: Chemical Structure of Gemcitabine and 2'-Deoxycytidine.

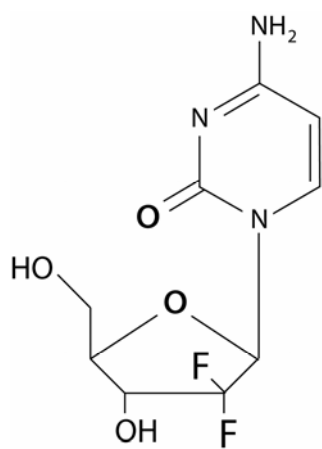
Supplementary Figure 2: Gemcitabine Activation and Self Potentiation Pathways.

Dashed lines lead to enzyme inhibition with a symbol of “X”. Gemcitabine is denoted as dFdC.

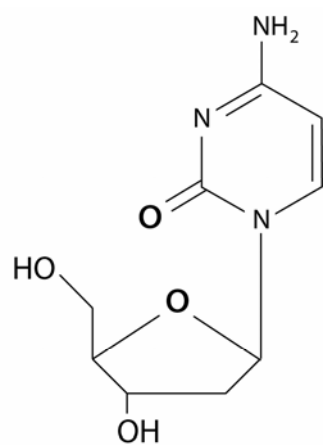
Supplementary Figure 3: Sequencing Gel Image of Single Nucleotide Incorporation

Catalyzed by Poly Mutant E200A. A preincubated solution of 30 nM DNA substrate (19/41F-mer (Supplementary Figure 3A) or 20/41F-mer (Supplementary Figure 3B)), 90 nM E200A, and 450 nM Poly accessory subunit in buffer G was reacted with a single dNTP (100 μ M) for indicated time intervals before being quenched by 0.37 M EDTA.

Supplementary Figure 1

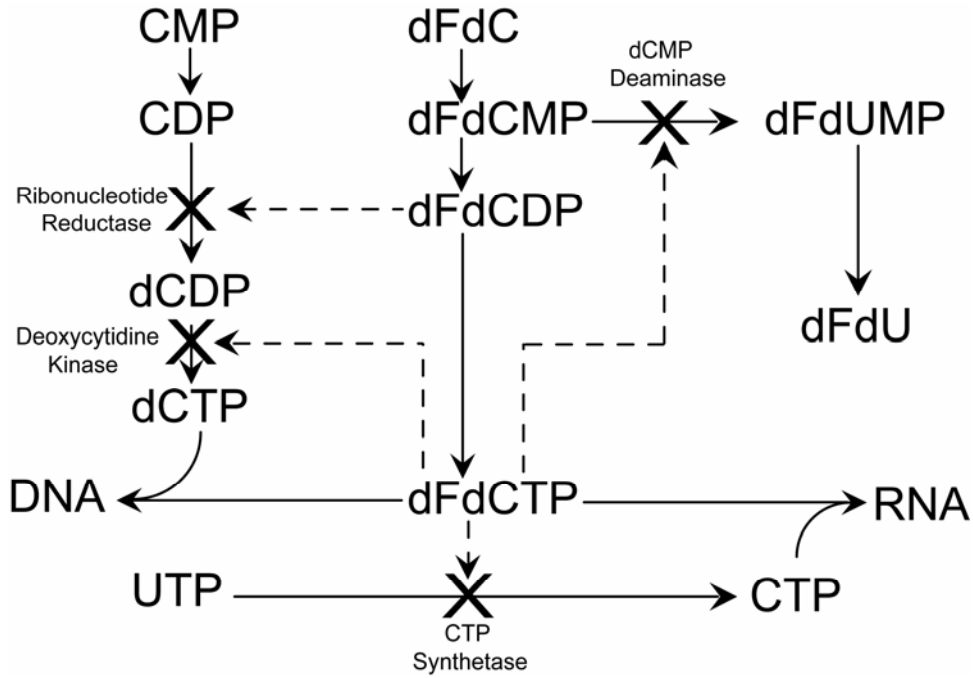


Gemcitabine



2'-Deoxycytidine

Supplementary Figure 2



Supplementary Figure 3

