Production Enhancement by Transcription Machinery

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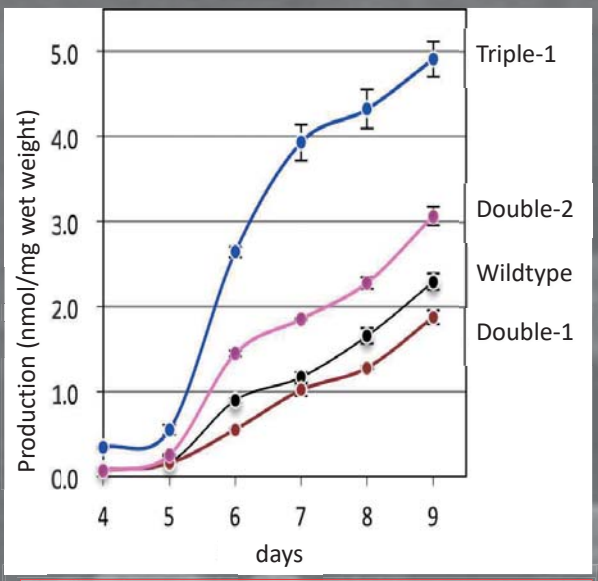
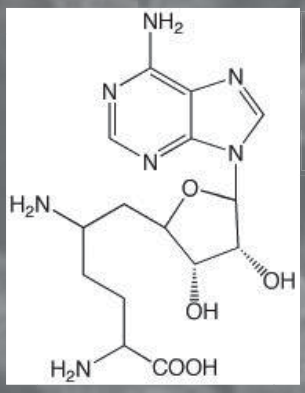
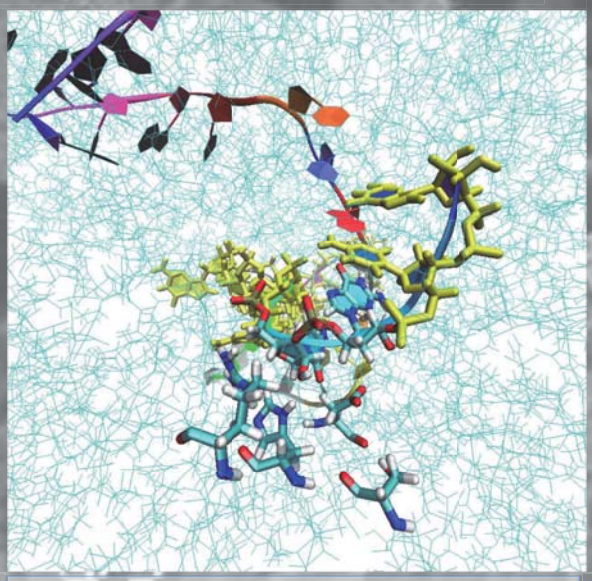


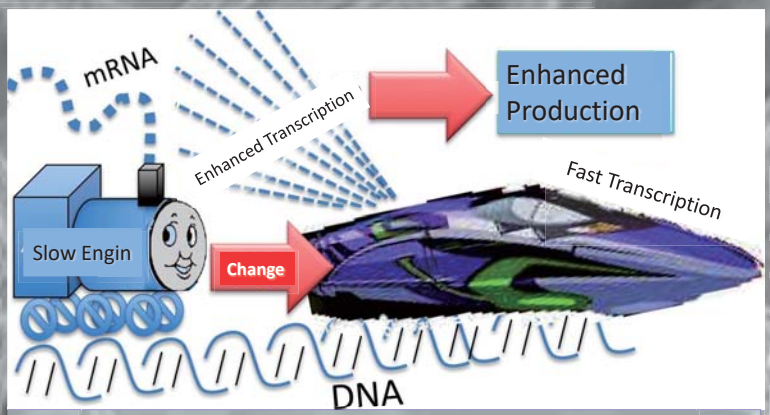
Multiple mutation at D447,S453, H457, R460 residues allows highly enhanced production through RNAP activation.



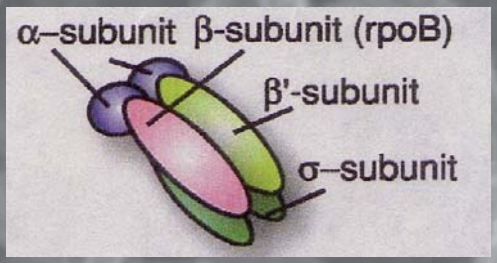
Sinefungin; Antiviral effect on Herpes Virus and Vaccinia Virus. Anti-malarial activity and Fungicidal activity on Candida.



The residues regulate transcription rate.



No need to clone the biosynthetic genes.



Bacteria	(S.inc)	FMDQNNPLSGLTHKRRL
Yeast	(S.cer)	VLNRYTYSSTLSHLRRT
Rice	(O.sat)	VLNRLTYASTLSHLRRL
Wheat	(T.aest)	VFDQTNPLTQTVHGRKV
Barley	(H.vul)	VFDQTNPLTQTVHGRKV
Soy	(G.max)	VLDQTNPLTQIVHGRKL

The residues are also conserved in Yeast and Plants.

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