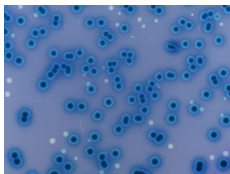


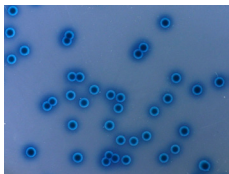
A

I. *ptopA*⁺/ Δ *topA*
(AS1050 minimal agar)



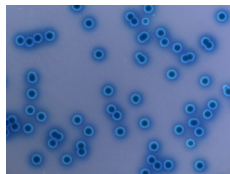
0.18 (317/1790)

II. *ptopA*⁺/ Δ *topA* Δ *rnhA*
(AS1054 minimal agar)



< 0.001 (0/830)

III. *ptopA*⁺/ Δ *topA* Δ *recG*
(AS1053 minimal agar)

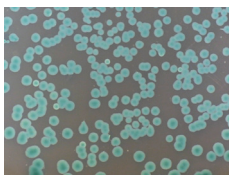


< 0.002 (0/543)

B

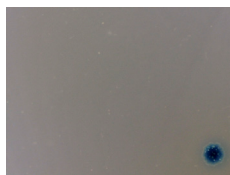
0 % arabinose

ptopA⁺ *ptopB*⁺/ Δ *topA* Δ *rnhA*
(AS1068)



<0.002 (0/541)

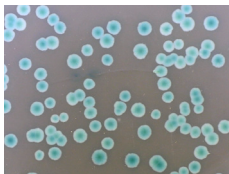
0.2 % arabinose



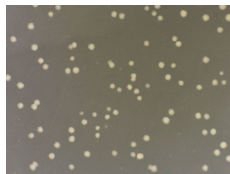
(0/1)

C

ptopA⁺ *ptopB*⁺/ Δ *topA* Δ *recG*
(AS1067)



<0.002 (0/560)



1 (275/275)