

CHAPTER-2

Objectives

This work is divided into three following objectives:

Objective 1:

Multicopy *relA* and *rumA* as conferring low level of multiple antibiotic tolerance in *Escherichia coli*. (Chapter 4)

Objective 2:

Nuances in the ppGpp dependent phenotypes in *Escherichia coli* MC4100 and MG1655 in relation to their genotypes. (Chapter 5)

Objective 3:

Addressing the physiological function of *rumA*. (Chapter 6)