Where the page number has changed, the numbers are listed as "pg old number, new number".

General changes:

Removed duplicated ORF entry in "List of Symbols".

Modified citation style to only include one author and year.

Edited bibliography to remove redundant information, made journal names consistent.

Introduction

"a life-threatening system disease exclusively in humans" -> "a life-threatening systemic disease exclusively in humans"

Chapter 1

pg 4: reformatted table with larger text.

Chapter 2

pg 21, 24: rotated and enlarged figure.

pg 27, 29: corrected language: "S. Typhimurium strain SL3261 contains a deletion relative to the parent strain, SL1344, was used to generate the large transposon mutant library." -> " S. Typhimurium strain SL3261 was used to generate the transposon mutant library and contains a deletion relative to the parent strain, SL1344"

pg 31, 34: modified image to remove outer tracks with complicated function classifications - there is no just a single track showing non-required genes in their place.

pg 33, 35: changed references to A and B in caption to left and right.

pg 34, 37: increased font size in table 2.1

pg 36, 39: italicized Salmonella

pg 41, 45: rotated and enlarged figure

pg 42, 47: rotated and enlarged figure

pg 43, 48: increased font size of table 2.5

pg 47, 52: italicized Salmonella

Chapter 3

No corrections

Chapter 4

pg 94, 101: rotated and enlarged figure

pg 96, 103: modified color scheme, enlarged figure

pg 97, 105: de-italicized Mycobacteria

Chapter 5:

Changed PAM to TAM (terminus associated motif)

pg 99, 107: de-italicized Mycobacteria

pg 111, 120: Increased figure size, modified color scheme

pg 114, 123: Increased figure size, modified color scheme

pg 114, 122: On further research, it looks like Neisseria species are thought to secrete DNA via a T4SS; I've included an additional primary research article to support this assertion: Hamilton, 2005 "Neisseria gonorrhoeae secretes chromosomal DNA via a novel type IV secretion system"

pg 114, 124: Actionbacteria -> Actinobacteria

pg 114, 124: de-italicized Mycobacteria

pg 115, 124: modified figure color scheme

pg 116, 126: enlarged figure, modified color scheme

Publications:

pg 120, 130: sproulation -> sporulation