Correction

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Correction to 'Single passage in mouse organs enhances the survival and spread of *Salmonella enterica*'

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The equation numbers were missing from figure 10. The corrected version is the following.

Figure 10. The main steps taken for deriving an expression for the number of bacteria n at time t starting from a probability generating function. ξ is the number of bacteria when $t = 0$, and z is a real or complex number.

In Appendix A, Section A4, Theorem A3, the subscript '2' for the Gauss hypergeometric function was too low. The correct version is resupplied below.

$$\begin{aligned}
 & \frac{\beta e^{-ct} \psi}{\alpha^2} \int_{e^{(\alpha-\mu)t}}^1 x^{(-c/(\mu-\alpha))} (1 + \psi x)^{-1} dx \\
 &= \frac{\beta e^{-ct} \psi}{\alpha} \left(\int_0^1 x^{(-c/(\mu-\alpha))} (1 + \psi x)^{-1} dx - \int_0^{e^{(\alpha-\mu)t}} x^{(-c/(\mu-\alpha))} (1 + \psi x)^{-1} dx \right) \\
 &= \frac{\beta e^{-ct} \psi}{\alpha} \left(\int_0^1 x^{(-c/(\mu-\alpha))} (1 + \psi x)^{-1} dx - e^{(\alpha-\mu+c)t} \int_0^1 y^{(-c/(\mu-\alpha))} \left(1 + \frac{\psi y}{e^{(\mu-\alpha)t}} \right)^{-1} dy \right) \\
 &= \frac{\beta e^{-ct} \psi}{\alpha} B\left(\frac{-c}{\mu-\alpha} + 1, 1\right) {}_2F_1\left(1, \frac{-c}{\mu-\alpha} + 1; \frac{-c}{\mu-\alpha} + 2; -\psi\right) \\
 &\quad - \frac{\beta e^{-ct} \psi}{\alpha} (e^{(\alpha-\mu+c)t}) B\left(\frac{-c}{\mu-\alpha} + 1, 1\right) {}_2F_1\left(1, \frac{-c}{\mu-\alpha} + 1; \frac{-c}{\mu-\alpha} + 2; -\psi e^{(\alpha-\mu)t}\right).
 \end{aligned}$$