CORRECTION

Correction: Turing Patterning Using Gene Circuits with Gas-Induced Degradation of Quorum Sensing Molecules

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There is an error in Fig 2 of the published article. Panel (a) was replaced with a copy of Fig 1.

The Supporting Information file S1 Equations contains the incorrect set of differential equations.
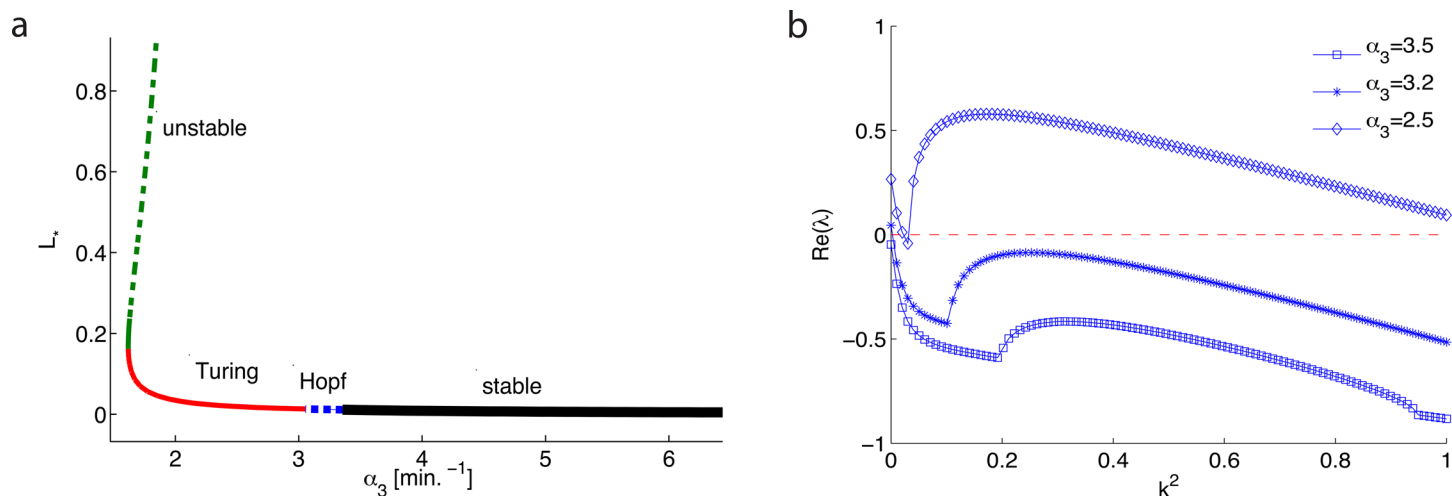
Please see corrected Fig 2 and S1 Equations below.

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Fig 2. Slowing AiiA production in Eqs (1)–(4) leads to oscillations and Turing patterns. (a) A codimension one bifurcation of the AHL fixed point, L*, losing stability through a Hopf bifurcation and into a Turing instability as Aiia production rate is decreased. (b) Eigenvalue-wavenumber curves at various AiiA maximal production rates, corroborating the bifurcation analysis results. At the cusp of each curve the eigenvalues become a complex conjugate pair, with each low eigenvalue left off the plot for clarity.

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Supporting Information

S1 Equations. The model incorporating crosstalk between H_2O_2 and the plux-like promoters.
(PDF)

Reference

1. Borek B, Hasty J, Tsimring L (2016) Turing Patterning Using Gene Circuits with Gas-Induced Degradation of Quorum Sensing Molecules. PLoS ONE 11(5): e0153679. doi:10.1371/journal.pone.0153679 PMID: 27148743