*Supplementary Material*

# *Salmonella* Typhi Induces Host Metabolic Reprogramming to Increase Glucose Availability for Intracellular Replication

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Table S1. Bacterial strains and plasmids used in this study.

| Strain or plasmid | Genotype or description | Source |
|---|---|---|
| Strains | | |
| Wild-type | *Salmonella enterica* serovar Typhi Ty2 | Lab collection |
| Δ*lldP* | Wild-type *lldP*::Cm; $Cm^R$ | This study |
| Δ*ptsG manXYZ glk* | Wild-type *ptsG*::Km, *manXYZ*::Cm, *glk*::Km; $Cm^R$ | This study |
| Δ*pgtP* | Wild-type *pgtP*::Cm; $Cm^R$ | This study |
| Plasmids | | |
| pSim17 | For generating mutant strain with λ Red recombinase system; $Bs^R$ | Lab collection |
| pKD3 | For λ Red recombination; $Cm^R$ | Lab collection |
| pKD4 | For λ Red recombination; $Km^R$ | Lab collection |
| pCP20 | Temperature-sensitive replicon expressing the FLP gene to remove antibiotic resistance of mutant strains; $Ap^R$ | Lab collection |

**Table S2.** Oligonucleotides used in this study

| Target gene | | Primer sequence (5′-3′) |
|---|---|---|
| **Primer used for construction of the mutants** | | |
| *ptsG* | F | CCGAATGGCTGCCTTAATACTCCCCAACATCATTACTGC GTGTAGGCTGGAGCTGCTTC |
| | R | AACGTAGAAAAGCACAAATACTCAGGAGCACTCTCAATT ATGGGAATTAGCCATGGTCC |
| *lldP* | F | GAGAGGCAATCTCGTCTGACAGGCGTTTTGGCATCACAA GTGTAGGCTGGAGCTGCTTC |
| | R | GATTCATCCCATTATGCGTGTGGTTCTCAGGAGACCTGCA ATGGGAATTAGCCATGGTCC |
| *manXYZ* | F | AAAAACGGGGCCGTTTGGCCCCGGTAGTGTACAACAGCC GTGTAGGCTGGAGCTGCTTC |
| | R | GTCAAGTTGATGTGTTGACAATAATAAAGGAGGTAGCAA ATGGGAATTAGCCATGGTCC |
| *glk* | F | GACAAAGACTTATTTTGACTTTAGCGGAGTAGTAGAAGA GTGTAGGCTGGAGCTGCTTC |
| | R | TTTTGTAGGCCGGATAAGGCGTTTATGCCGCCGTCTGAC ATGGGAATTAGCCATGGTCC |
| *pgtP* | F | ACAATGTCGGCGCTTCTGTTCCCCGGGAAGGCTAATCGT GTGTAGGCTGGAGCTGCTTC |
| | R | TTGCTGTTGTTGTCAGCCAGATTGAAAGTAACTGTAATA ATGGGAATTAGCCATGGTCC |
| **Primer used for identification of the mutants** | | |
| *ptsG* | F | ACAGGGCAGCTATGCGCTGGTCGAT |
| | R | GCGCGTAAAGTTCACCGCCACAAAAG |
| *lldP* | F | TTCAGCGGTTGCACGATATTCTGTTC |
| | R | ATGCCATTGCCTTTTCACTTCCCT |
| *manXYZ* | F | CGCTCCGTGGCTGGTTACGTTGTTA |
| | R | ACAACTGGTTTTTGGCAAAGATTTA |
| *glk* | F | ATAATCAGCGCAGGGAGCGACAGCA |
| | R | CCTGTTTTCGCCTGAGTAATCACCA |
| *pgtP* | F | TACATACCTTTCATACTTCAAGTGG |
| | R | GAGGTGATGAAGTTTTCATCTTGTC |

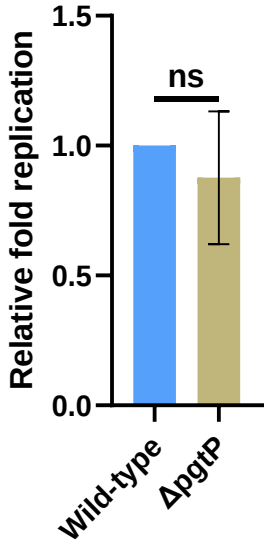


**Figure S1.** Replication of wild-type *Salmonella enterica* serovar Typhi (*S*. Typhi) and *ΔpgtP* in THP-1 cells. The data were obtained from three independent experiments and analyzed using Student's *t*-test. ns, not significant ($P > 0.05$).

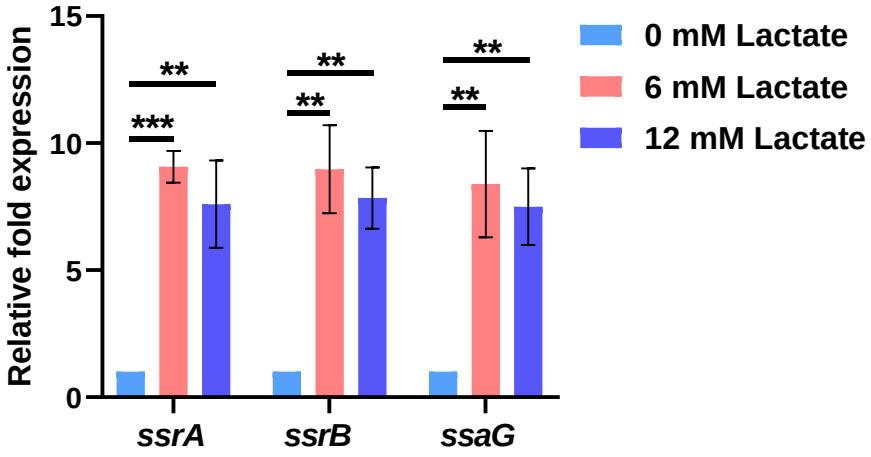


**Figure S2**. Quantitative reverse transcription polymerase chain reaction analysis of SPI-2 gene mRNA levels in 0, 6, or 12 mM sodium lactate-treated *Salmonella enterica* serovar Typhi in N-minimal medium. The data were obtained from three independent experiments and analyzed using one-way ANOVA. ** $P < 0.01$; *** $P < 0.001$.