

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Marker genes for scRNA-seq clusters

scores: Z-score from p-value

logFC: log fold change between the clusters

pvals: Mann-Whitney U test p-value

pvals_adj: Bonferroni adjusted p-value

File Name: Supplementary Data 2

Description: Parasite stage-specific marker genes identified by bulk RNA-seq

baseMean: Average of normalized counts

log2FC: Log2 fold change of gene expression for the defined contrast

lfcSE: Standard error estimate for the log2FC measurement

stat: Wald statistic

pvalue: Wald test p-value

padj: Bonferroni adjusted p-value

File Name: Supplementary Data 3

Description: Amastigote stage-specific marker genes identified by bulk RNA-seq

baseMean: Average of normalized counts

log2FC: Log2 fold change of gene expression for the defined contrast

lfcSE: Standard error estimate for the log2FC measurement

stat: Wald statistic

pvalue: Wald test p-value

padj: Bonferroni adjusted p-value

File Name: Supplementary Data 4

Description: Marker genes for trypomastigote subpopulations identified by single-cell RNA-seq

scores: Z-score from p-value

logFC: log fold change between the clusters

pvals: Mann-Whitney U test p-value

pvals_adj: Bonferroni adjusted p-value

File Name: Supplementary Data 5

Description: Genes associated with the epimastigote to metacyclic trypomastigote transition

RBP?: Does the gene encode an RNA-binding protein?

Cluster phase: The point in the phase where the gene peaks in expression, according to the tradeSeq model

meanLogFC: Average log fold change across the knots of the tradeSeq model

pvalue: Wald test p-value

p_adj: Bonferroni adjusted p-value/p

