

Table S1. Tukey's multiple testing for metacyclogenesis in different DTUs.

Tukey's multiple comparisons test	Significant	Adjusted P Value	Tukey's multiple comparisons test	Significant	Adjusted P Value
Day 1			Day 9		
TcI (MG) vs. TcII (Y)	*	0.0197	TcII (Y) vs. TcIII	*	0.0141
TcI (MG) vs. TcIII	*	0.0254	TcII (Y) vs. TcIV	**	0.0025
Day 3			TcII (Y) vs. TcVI	*	0.0284
TcI (DA) vs. TcII (Y)	**	0.0018	TcIII vs. TcIV	**	0.0064
TcI (DA) vs. TcVI	*	0.0189	TcIII vs. TcVI	*	0.0135
Day 4			TcIV vs. TcVI	**	0.005
TcIII vs. TcIV	**	0.0066	Day 10		
TcIV vs. TcVI	*	0.0443	TcI (DA) vs. TcI (MG)	*	0.0336
Day 5			TcI (DA) vs. TcIII	*	0.0303
TcI (DA) vs. TcI (MG)	*	0.0184	TcI (MG) vs. TcII (Y)	*	0.0408
TcI (DA) vs. TcII (Y)	**	0.0033	TcI (MG) vs. TcIII	*	0.0446
TcI (MG) vs. TcII (Y)	**	0.0027	TcI (MG) vs. TcIV	*	0.0352
TcI (MG) vs. TcIII	**	0.0028	TcI (MG) vs. TcVI	*	0.041
TcI (MG) vs. TcIV	**	0.0049	TcIII vs. TcIV	**	0.0025
TcI (MG) vs. TcVI	*	0.0161	TcIV vs. TcVI	*	0.0128
TcII (Y) vs. TcIII	**	0.0012	Day 11		
TcII (Y) vs. TcIV	***	0.0009	TcI (DA) vs. TcI (MG)	*	0.0397
TcII (Y) vs. TcVI	**	0.0042	TcI (MG) vs. TcII (Y)	*	0.0395
Day 6			TcI (MG) vs. TcIII	*	0.0389
TcI (DA) vs. TcII (Y)	*	0.0197	TcI (MG) vs. TcIV	*	0.0394
TcII (Y) vs. TcIII	**	0.0055	TcI (MG) vs. TcVI	*	0.0447
TcII (Y) vs. TcIV	**	0.0038	TcIV vs. TcVI	*	0.0338
TcII (Y) vs. TcVI	*	0.0156	Day 12		
Day 7			TcI (DA) vs. TcI (MG)	***	0.0009
TcI (DA) vs. TcII (Y)	*	0.0192	TcI (DA) vs. TcIV	**	0.0049
TcII (Y) vs. TcIII	*	0.0331	TcI (MG) vs. TcII (Y)	***	0.0007
TcII (Y) vs. TcIV	*	0.0215	TcI (MG) vs. TcIII	***	0.0007
TcII (Y) vs. TcVI	*	0.0119	TcI (MG) vs. TcIV	***	0.0007
TcIII vs. TcIV	**	0.0053	TcI (MG) vs. TcVI	***	0.0006
Day 9			TcII (Y) vs. TcIV	*	0.0446
TcI (DA) vs. TcII (Y)	**	0.0022			

Table S2. (A) Multiple Tukey test for amastigogenesis (B) Production of cell-derived trypomastigotes at different DTUs

A.

Tukey's multiple comparisons test	Significant	Adjusted P Value	Tukey's multiple comparisons test	Significant	Adjusted P Value
Day 1			Day 4		
TcI (MG) vs. TcIV	*	0.0186	TcI (DA) vs. TcVI	***	0.0004
TcII (Y) vs. TcIV	*	0.0301			
Day 2			TcI (MG) vs. TcII (Y)	**	0.0044
TcI (MG) vs. TcIV	****	<0,0001	TcI (MG) vs. TcIV	**	0.0042
TcI (MG) vs. TcVI	****	<0,0001	TcI (MG) vs. TcVI	***	0.0008
TcII (Y) vs. TcIV	****	<0,0001	TcII (Y) vs. TcIV	*	0.0103
TcII (Y) vs. TcVI	***	0.0001	TcII (Y) vs. TcVI	**	0.0071
Day 3			Day 5		
TcI (MG) vs. TcII (Y)	*	0.0182	TcI (DA) vs. TcI (MG)	**	0.0084
TcI (MG) vs. TcIV	**	0.0075	TcI (DA) vs. TcIV	*	0.0125
TcI (MG) vs. TcVI	**	0.0048	TcI (DA) vs. TcVI	**	0.0081
TcII (Y) vs. TcIV	**	0.0045	TcI (MG) vs. TcII (Y)	**	0.0084
TcII (Y) vs. TcVI	**	0.0031	TcI (MG) vs. TcIV	**	0.0075
Day 4			TcI (MG) vs. TcVI	**	0.0051
TcI (DA) vs. TcII (Y)	*	0.0121	TcII (Y) vs. TcIV	**	0.0064
TcI (DA) vs. TcIV	***	0.0009	TcII (Y) vs. TcVI	**	0.0024

B.

Tukey's multiple comparisons test	Significant	Adjusted P Value
Day 4		
TcI (MG) vs. TcIV	**	0.0094
TcI (MG) vs. TcVI	*	0.0144
Day 5		
TcI (DA) vs. TcII (Y)	*	0.041
TcI (DA) vs. TcIV	*	0.0475
TcI (DA) vs. TcVI	*	0.0456
TcII (Y) vs. TcVI	*	0.0314