

**Supplementary file 1.** Information on sampled large yellow croaker. “+” indicates that the specimen was infected with trypanosomes, and uninfected samples are indicated by “-”.

<b>Group</b>	<b>Sample ID</b>	<b>Length (cm)</b>	<b>Weigh (g)</b>	<b>Trypanosomes infection</b>
Infected	1	20.6	103.9	+
	3	16.0	39.5	+
	4	19.5	73.0	+
	5	18.0	59.6	+
	6	21.5	122.3	+
	7	22.0	121.4	+
	10	20.2	65.5	+
	11	22.0	107.6	+
	13	18.7	67.5	+
	14	17.5	59.4	+
	15	21.8	83.4	+
	16	21.0	96.8	+
	Control	2	16.0	38.2
8		22.0	117.7	-
9		26.0	211.5	-
12		19.5	81.0	-
17		20.5	93.8	-
18		22.0	125.5	-
19		24.5	183.4	-
	20	20.5	103.7	-
	21	18.0	63.1	-