

Supplemental Table 2. *S. tropica* mobile genetic elements (MGEs)

MGE	Gene start	Gene stop	No. genes	Island	MGE	Gene start	Gene stop	No. genes	Island
AICE1	58	74	17	1	IS701	2752	2753	2	15
Phage integrase	505	505	1	4	IS630	2845	2846	2	15
Prophage 1	507	559	53	4	IS110	2861	2861	1	15
IS1380	570	570	1	4	IS630	2891	2891	1	15
IS256	586	587	2	4	unk IS	2899	2899	1	15
ISNCY	608	608	1	4	Unknown MGE	2908	2909	2	15
ISNCY	609	609	1	4	IS5	2941	2941	1	16
IS3	648	648	1	4	Phage gene	3417	3417	1	17
Unknown MGE	988	994	7	5	Prophage 3	3986	4017	32	18
IS1380	1014	1014	1	5	IS630	4122	4123	2	20
IS3	1164	1165	2	6	Tn3	4134	4134	1	20
IS5	1315	1315	1	7	Tn3	4137	4137	1	20
phage gene	1317	1317	1	7	ISL3	4138	4138	1	20
IS701	1506	1518	13	8	Rev transcriptase	4139	4139	1	20
Unknown MGE	1602	1609	8	9	IS5	4140	4140	1	20
IS5	1614	1614	1	9	IS3	4141	4141	1	20
Prophage 2	1931	1957	27	10	transposase	4142	4142	1	20
Phage gene	1980	1980	1	10	IS5	4179	4179	1	20
Phage gene	1983	1983	1	10	IS30	368	368	1	NI
Phage gene	2002	2002	1	10	Unknown MGE	749	756	8	NI
Phage gene	2013	2013	1	10	IS66	1556	1556	1	NI
IS630	2021	2022	2	10	IS110	1662	1662	1	NI
Tn3	2304	2304	1	12	Phage gene	2334	2334	1	NI
IS110	2305	2305	1	12	Phage gene	2347	2347	1	NI
Tn3	2369	2369	1	13	IS3	3350	3351	2	NI
IS110	2466	2466	1	14	Phage gene	3352	3352	1	NI
IS5	2661	2661	1	15	IS5	3501	3506	6	NI
IS1380	2716	2717	2	15	IS630	3656	3662	7	NI
IS630	2729	2730	2	15	Total			153	

NI: non-island.