

Supplementary material

Long-term acoustic telemetry reveals limited movement of fish in an unregulated, perennial river

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Table S1. Details of *M. ikei* and *T. tandanus* tagged and released in the Nymboida River from August 2015 to September 2018

Fish ID 30198, 23054, 23059, 23061, 23062 and 30192 were not detected in the array (indicated with NA).

Individuals for which sex was not recorded are indicated with NR

ID	Species	Sex	Length (TL; mm)	Date of tagging and release	Linear range (km)
15775	<i>M. ikei</i>	M	460	23/07/2016	1.5
15776	<i>M. ikei</i>	M	477	29/07/2016	1.3
15777	<i>M. ikei</i>	M	490	29/07/2016	0
15778	<i>M. ikei</i>	F	470	23/07/2016	0
15779	<i>M. ikei</i>	F	500	29/07/2016	2.2
15780	<i>M. ikei</i>	F	492	23/07/2016	0
15781	<i>M. ikei</i>	F	781	29/07/2016	27.2
15782	<i>M. ikei</i>	M	444	29/07/2016	1.3
15783	<i>M. ikei</i>	F	461	23/07/2016	0.5
15784	<i>M. ikei</i>	F	523	29/07/2016	0
15785	<i>M. ikei</i>	F	486	23/07/2016	0
15786	<i>M. ikei</i>	F	420	23/07/2016	0
15787	<i>M. ikei</i>	F	610	29/07/2016	1.3
15979	<i>M. ikei</i>	F	472	29/07/2016	0
15980	<i>M. ikei</i>	F	424	29/07/2016	0
15981	<i>M. ikei</i>	M	431	29/07/2016	0
15984	<i>M. ikei</i>	M	486	29/07/2016	0
15986	<i>M. ikei</i>	F	686	28/07/2017	6.3
30187	<i>M. ikei</i>	M	363	26/07/2017	0
30190	<i>M. ikei</i>	F	534	27/07/2017	0.6
30195	<i>M. ikei</i>	M	374	27/07/2017	0
30198	<i>M. ikei</i>	M	380	26/07/2017	NA
30201	<i>M. ikei</i>	M	355	27/07/2017	1.1
30202	<i>M. ikei</i>	M	483	27/07/2017	0.4
30203	<i>M. ikei</i>	F	403	26/07/2017	0
30204	<i>M. ikei</i>	F	398	26/07/2017	0
30205	<i>M. ikei</i>	F	417	26/07/2017	0
15982	<i>T. tandanus</i>	M	491	28/07/2017	0
23035	<i>T. tandanus</i>	M	496	17/07/2015	11.1
23043	<i>T. tandanus</i>	M	509	17/07/2015	0
23044	<i>T. tandanus</i>	F	486	17/07/2015	1.4
23045	<i>T. tandanus</i>	M	532	17/07/2015	0
23046	<i>T. tandanus</i>	M	539	17/07/2015	0
23048	<i>T. tandanus</i>	F	510	17/07/2015	3.9
23049	<i>T. tandanus</i>	M	506	17/07/2015	2.5
23050	<i>T. tandanus</i>	F	519	17/07/2015	1.4
23051	<i>T. tandanus</i>	M	541	17/07/2015	3.9
23052	<i>T. tandanus</i>	F	502	17/07/2015	1.4
23053	<i>T. tandanus</i>	M	513	17/07/2015	3.5
23054	<i>T. tandanus</i>	F	515	17/07/2015	NA
23055	<i>T. tandanus</i>	M	490	17/07/2015	0.9
23056	<i>T. tandanus</i>	M	485	17/07/2015	2.1
23057	<i>T. tandanus</i>	F	485	17/07/2015	0
23058	<i>T. tandanus</i>	NR	495	17/07/2015	3
23059	<i>T. tandanus</i>	NR	486	17/07/2015	NA
23060	<i>T. tandanus</i>	F	515	17/07/2015	0.6
23061	<i>T. tandanus</i>	NR	506	17/07/2015	NA
23062	<i>T. tandanus</i>	NR	534	17/07/2015	NA
30186	<i>T. tandanus</i>	F	538	26/07/2017	0
30188	<i>T. tandanus</i>	F	544	27/07/2017	1.7
30189	<i>T. tandanus</i>	F	510	26/07/2017	0
30192	<i>T. tandanus</i>	M	520	26/07/2017	NA
30193	<i>T. tandanus</i>	F	391	27/07/2017	0
30194	<i>T. tandanus</i>	M	510	27/07/2017	0
30196	<i>T. tandanus</i>	F	514	28/07/2017	0.6
30199	<i>T. tandanus</i>	M	511	26/07/2017	0
30200	<i>T. tandanus</i>	M	489	26/07/2017	0
57878	<i>T. tandanus</i>	F	353	26/07/2017	0

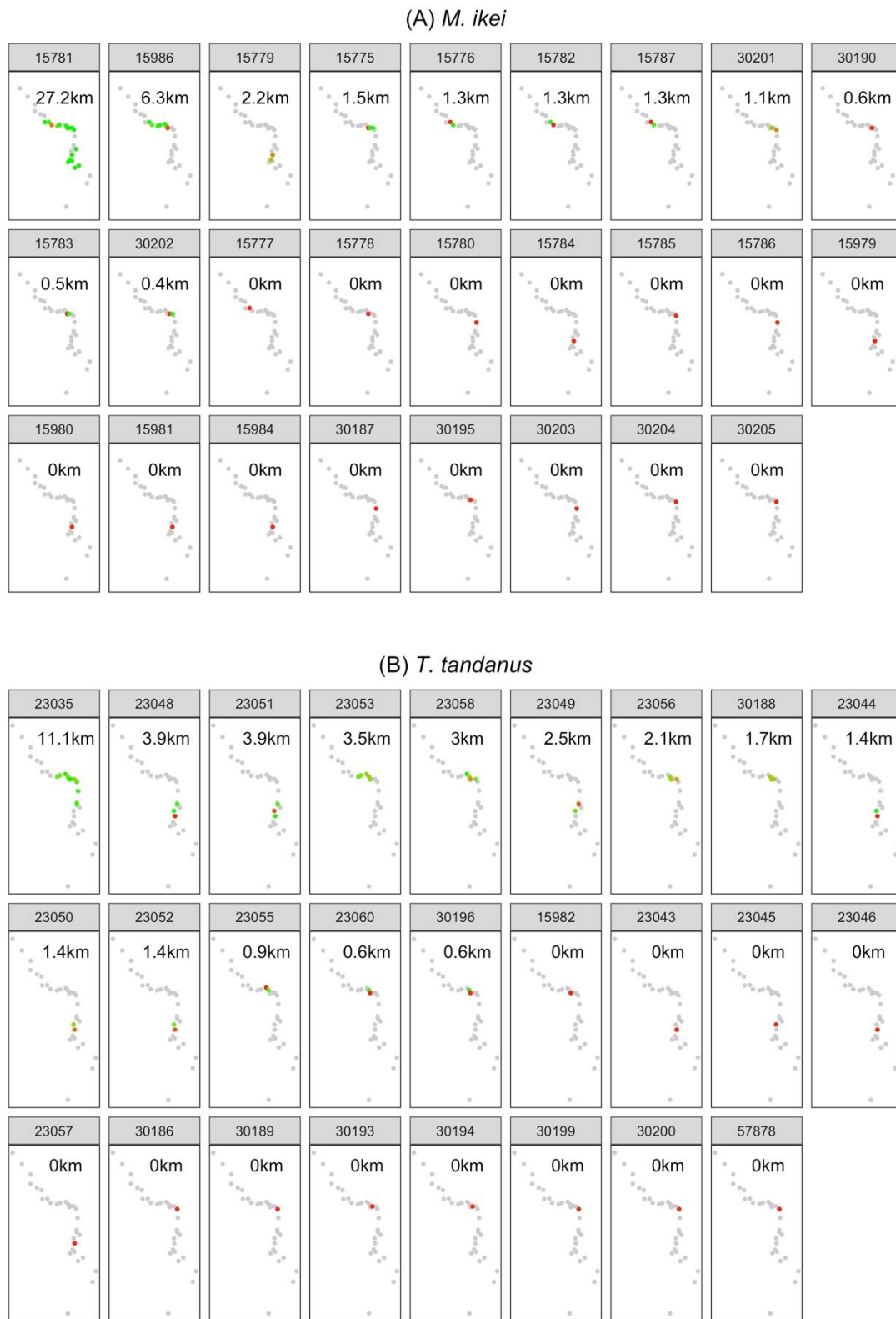


Fig. S1. Spatial representation of linear range sizes for (A) *M. ikei* and (B) *T. tandanus* individuals (labelled by fish ID) in the Nymboida River. Percentage of detections at a receiver are denoted by a gradient of colours, from red dots for 100% to green dots for 0%. Grey dots denote receiver positions. The total linear range (km) of each fish is also indicated.