

TABLE S3 | Summary of home range (KUD 95) and core areas (KUD 50) of the tagged and monitored *Sparisoma axillare* and *S. frondosum*. IP refers to initial phase and TP to terminal phase individuals. TL = Total length. Days monitored refer to total number of days each fish was monitored and OI to occurrence index.

ID	Species	Phase	TL (mm)	Tagging site	Tagging date	Days monitored	Detections	MCP 100 (m ²)	KUD 95 (m ²)	KUD 50 (m ²)	OI (%)
A625	<i>S. axillare</i>	TP	470	1	180318	6	1403	62900	202455	52544	50
A637	<i>S. axillare</i>	TP	444	1	180318	8	1805	71798	31057	5454	66.7
A661	<i>S. axillare</i>	TP	489	1	180318	7	2497	38861	8030	976	58.3
A674	<i>S. axillare</i>	TP	498	1	180318	7	1825	4700	130753	30028	58.3
A657	<i>S. axillare</i>	IP	400	2	190819	9	4507	73100	106806	18044	75
A693	<i>S. axillare</i>	IP	430	2	190819	7	1443	83387	194542	41112	58.3
A682	<i>S. axillare</i>	IP	370	2	190819	6	3278	67200	90151	14699	50
A659	<i>S. axillare</i>	IP	360	3	040318	9	4923	39200	31272	4273	75
A623	<i>S. axillare</i>	IP	360	3	060318	8	2634	44497	23249	3251	80
A671	<i>S. axillare</i>	IP	325	3	060318	6	3219	54193	103952	25705	60
A647	<i>S. axillare</i>	TP	445	3	060318	8	4508	52981	32611	5086	80
A653	<i>S. axillare</i>	IP	432	4	251118	9	863	68961	91479	13642	81.8
A670	<i>S. axillare</i>	IP	400	4	251118	9	1798	54070	39131	7635	81.8
A681	<i>S. axillare</i>	IP	310	4	251118	8	811	66576	34508	8103	72.7
A676	<i>S. axillare</i>	IP	410	4	130819	11	4851	39061	33328	5470	84.6
A633	<i>S. axillare</i>	IP	400	4	130819	11	1725	68434	3502	734	84.6
A632	<i>S. axillare</i>	TP	500	4	251118	11	1794	58400	110761	27273	100
A687	<i>S. axillare</i>	TP	403	4	251118	9	500	34700	37674	7048	81.8
A688	<i>S. axillare</i>	TP	400	4	130819	10	3569	58733	15446	1728	76.9
A628	<i>S. axillare</i>	IP	410	5	261118	9	1797	27401	84464	18748	90
A641	<i>S. axillare</i>	IP	412	5	261118	7	1171	31970	50099	12207	70
A654	<i>S. axillare</i>	IP	400	5	261118	6	1091	15115	10262	1639	60
A668	<i>S. axillare</i>	IP	379	5	261118	9	177	14020	43608	9358	90
A680	<i>S. axillare</i>	IP	420	5	261118	9	1965	24200	66543	12614	90
A690	<i>S. axillare</i>	IP	400	5	261118	7	1388	27633	58214	12598	70
A630	<i>S. axillare</i>	IP	390	5	130819	11	392	52100	81809	13824	84.6
A656	<i>S. axillare</i>	IP	470	6	190819	9	2277	12900	15057	2937	75
A694	<i>S. axillare</i>	TP	370	6	190819	9	7557	14670	11644	1965	75
A631	<i>S. axillare</i>	IP	312	7	251118	10	2361	2059	497	87	90.9
A626	<i>S. axillare</i>	IP	352	8	240318	4	795	11743	8373	1070	66.6
A650	<i>S. axillare</i>	IP	412	8	240318	2	644	14200	73600	16170	33.3
A692	<i>S. axillare</i>	IP	390	8	130819	9	732	37720	5794	1512	69.2
A678	<i>S. axillare</i>	IP	420	8	130819	9	3568	22900	11506	2285	69.2
A675	<i>S. axillare</i>	TP	525	8	240318	4	996	32400	149861	32316	66.6
A686	<i>S. axillare</i>	TP	402	8	240318	2	391	36936	11266	3179	33.3
A636	<i>S. axillare</i>	IP	360	9	110318	7	2178	16339	2252	501	63.6
A649	<i>S. axillare</i>	TP	450	9	110318	8	3847	14346	23841	5737	72.7
A672	<i>S. axillare</i>	TP	375	9	110318	7	3117	13100	21679	2889	63.6
A667	<i>S. axillare</i>	TP	370	9	290719	3	487	13224	2818	581	25



TABLE S3 | (Continued)

ID	Species	Phase	TL (mm)	Tagging site	Tagging date	Days monitored	Detections	MCP 100 (m ²)	KUD 95 (m ²)	KUD 50 (m ²)	OI (%)
F648	<i>S. frondosum</i>	IP	398	1	180318	5	1716	53589.08	17213	3775	41.7
F684	<i>S. frondosum</i>	IP	432	1	180318	8	1982	11964	8237	1097	66.7
F634	<i>S. frondosum</i>	TP	320	1	290719	4	2229	12791	1174	259	33.3
F683	<i>S. frondosum</i>	IP	350	3	060318	8	3803	66500	65952	10545	80
F627	<i>S. frondosum</i>	IP	361	3	081218	9	1256	75819	67865	12810	81.8
F658	<i>S. frondosum</i>	IP	380	3	081218	7	1168	67900	95352	15356	63.6
F679	<i>S. frondosum</i>	IP	310	3	081218	4	606	72249	170964	38700	36.4
F689	<i>S. frondosum</i>	IP	330	3	081218	6	874	36800	2443	571	54.5
F635	<i>S. frondosum</i>	TP	435	3	040318	11	6722	55854	28133	5290	91.7
F643	<i>S. frondosum</i>	TP	350	3	081218	6	1245	21352	15271	2353	54.5
F666	<i>S. frondosum</i>	TP	330	3	081218	7	1109	77547	358805	91002	63.6
F639	<i>S. frondosum</i>	IP	331	4	251118	10	1661	50500	80188	12459	90.9
F652	<i>S. frondosum</i>	TP	375	5	130819	10	5093	59459	14171	1932	76.9
F638	<i>S. frondosum</i>	IP	351	8	240318	5	1475	10900	14643	3244	83.3
F662	<i>S. frondosum</i>	IP	420	8	240318	4	134	12381	4831	1115	66.6
F655	<i>S. frondosum</i>	IP	320	8	130819	9	3841	26122	23894	3823	69.2
F669	<i>S. frondosum</i>	IP	340	8	130819	10	4361	39851	16123	1817	76.9
F660	<i>S. frondosum</i>	IP	399	9	110318	9	3722	20952	18535	2909	81.8
F629	<i>S. frondosum</i>	IP	410	9	290719	5	3462	8700	10936	1831	41.7
F644	<i>S. frondosum</i>	IP	310	9	290719	4	3219	9901	4134	785	33.3
F651	<i>S. frondosum</i>	IP	350	9	290719	3	344	2905	1765	421	25
F677	<i>S. frondosum</i>	IP	340	9	290719	2	797	1810	1240	226	16.7
F691	<i>S. frondosum</i>	IP	410	9	290719	3	488	10300	115202	25116	25
F624	<i>S. frondosum</i>	TP	430	9	110318	10	4413	14918	8533	1107	90.9
F685	<i>S. frondosum</i>	TP	364	9	110318	10	4863	15813	7842	1174	90.9



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