

Supplementary material

Intraspecific variation in diel patterns of rocky reef use suggests temporal partitioning in Port Jackson sharks

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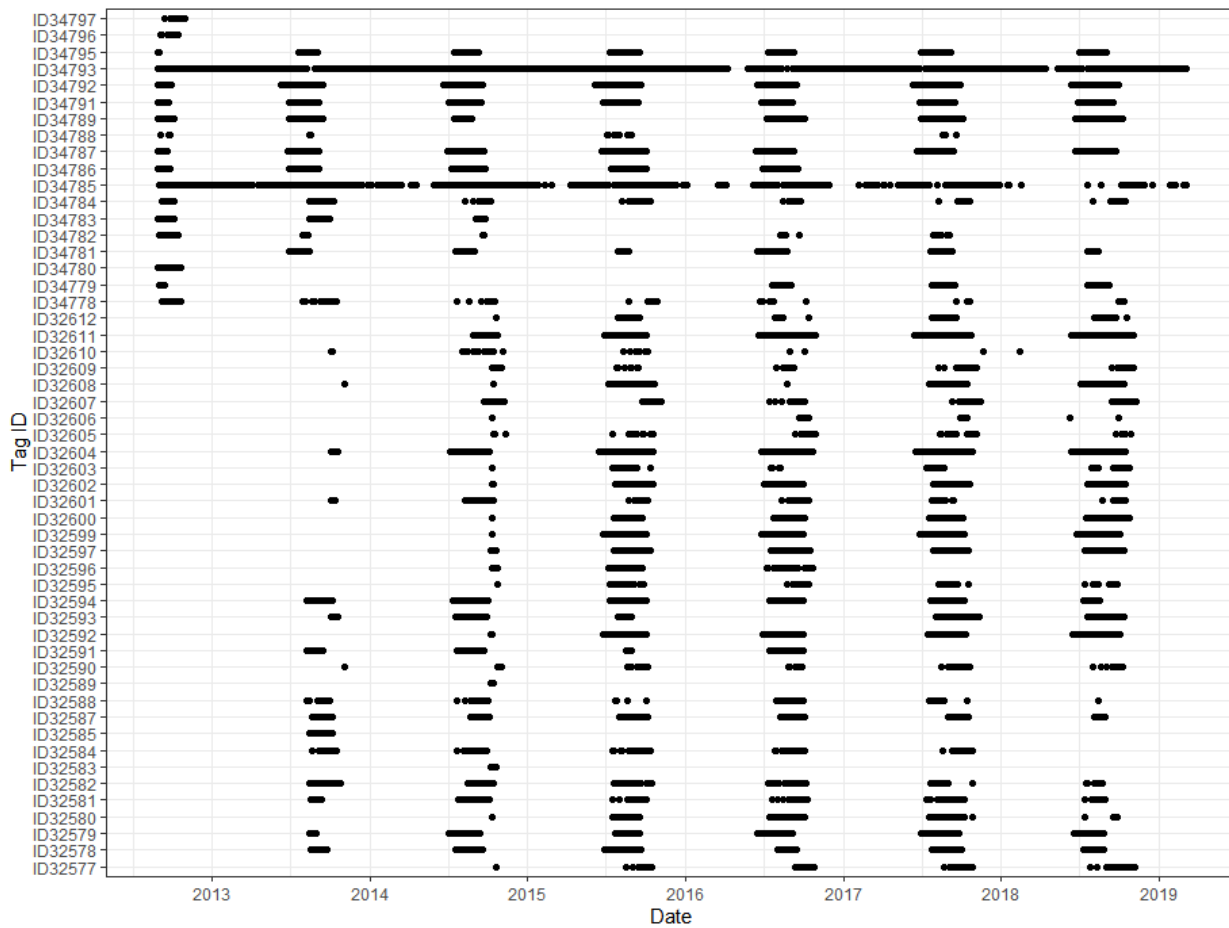


Fig. S1. Detection plot of individual Port Jackson sharks at their favoured reefs within Jervis Bay, Australia.

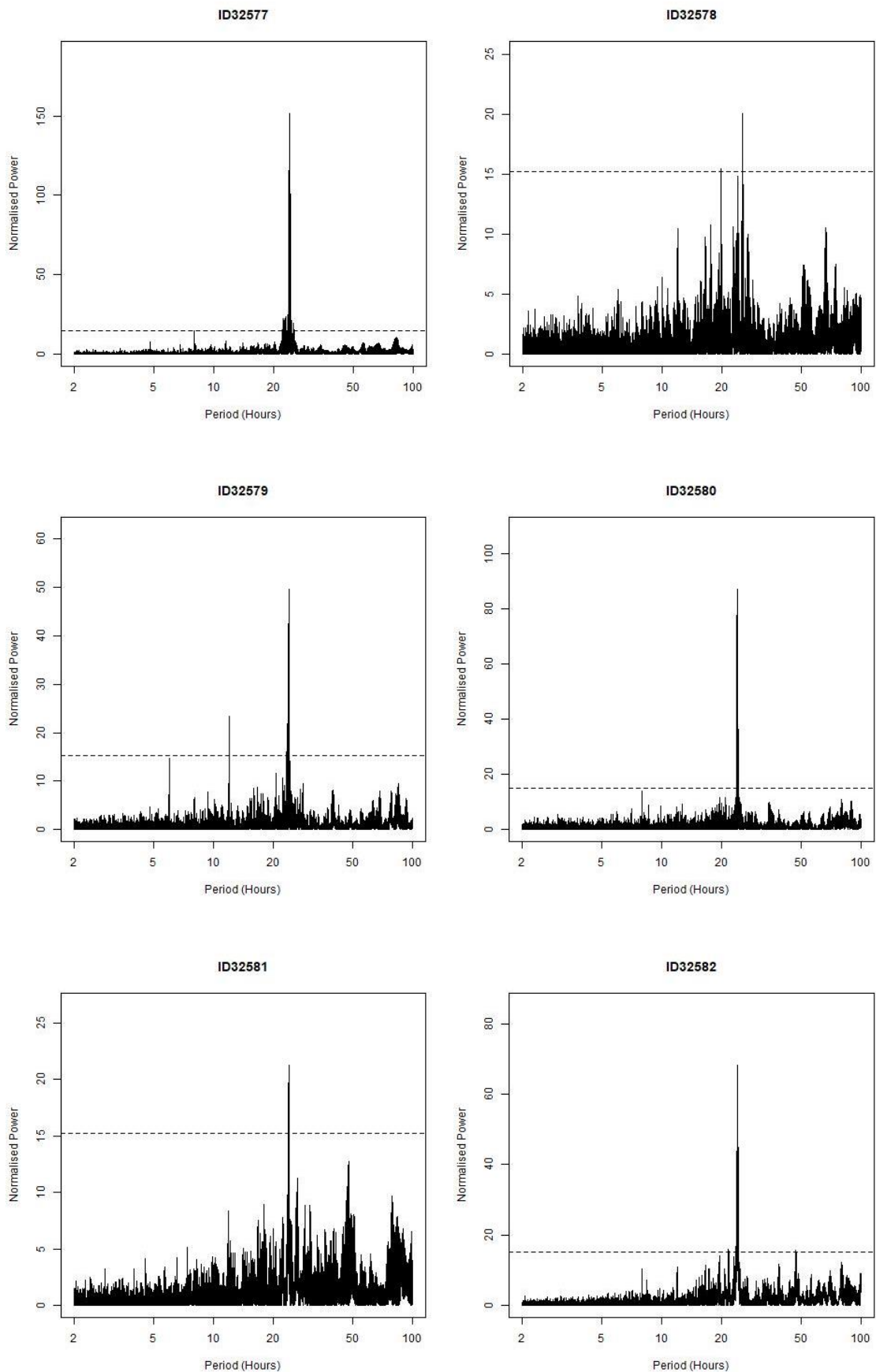


Fig. S2. Lomb–Scargle periodograms of hourly detection frequencies of individual Port Jackson sharks at their favoured reefs within Jarvis Bay, Australia. Horizontal dotted line represents the power threshold at which an individual is deemed to be showing significant periodicity.

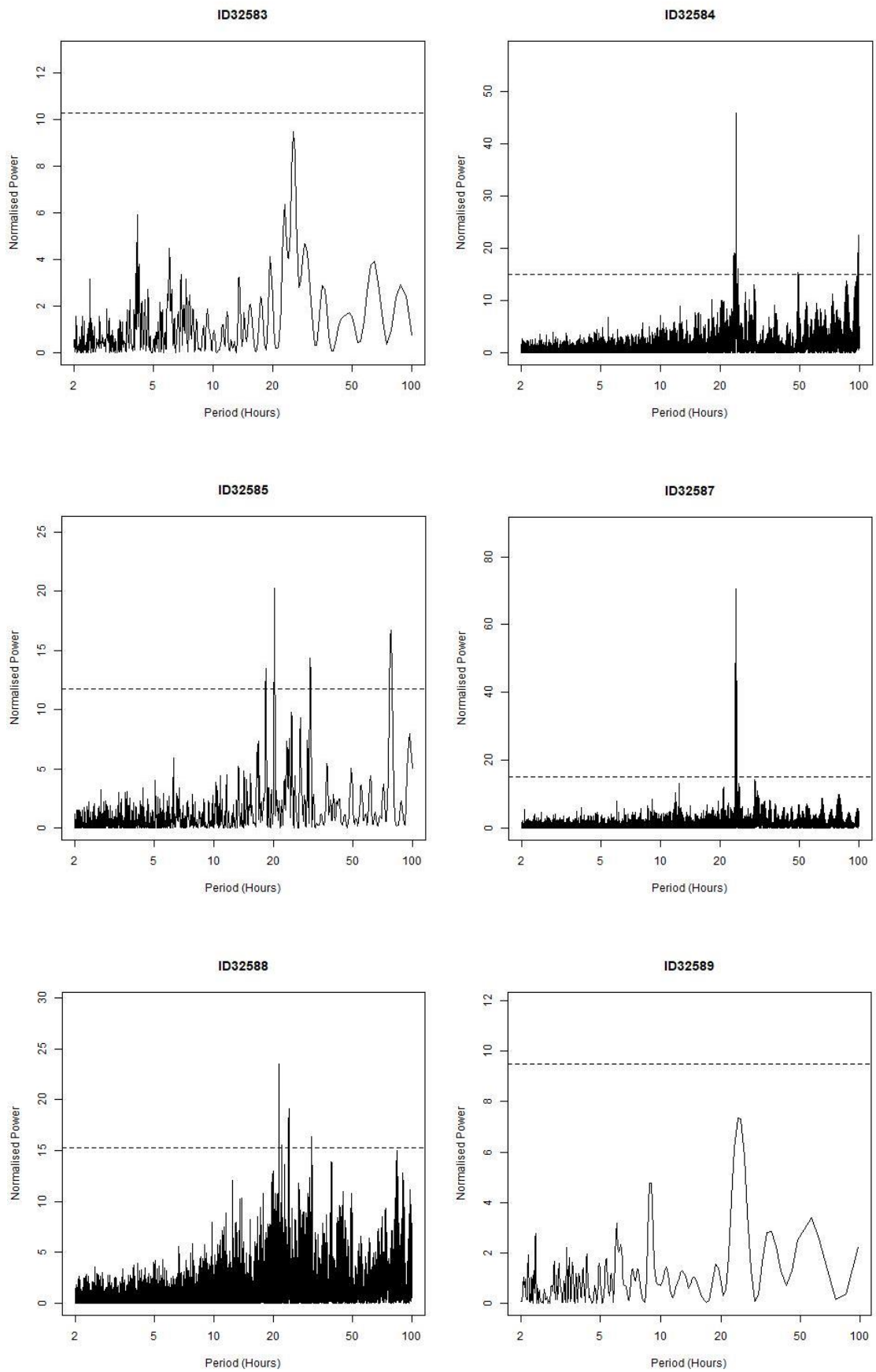


Fig. S2. (Cont.)

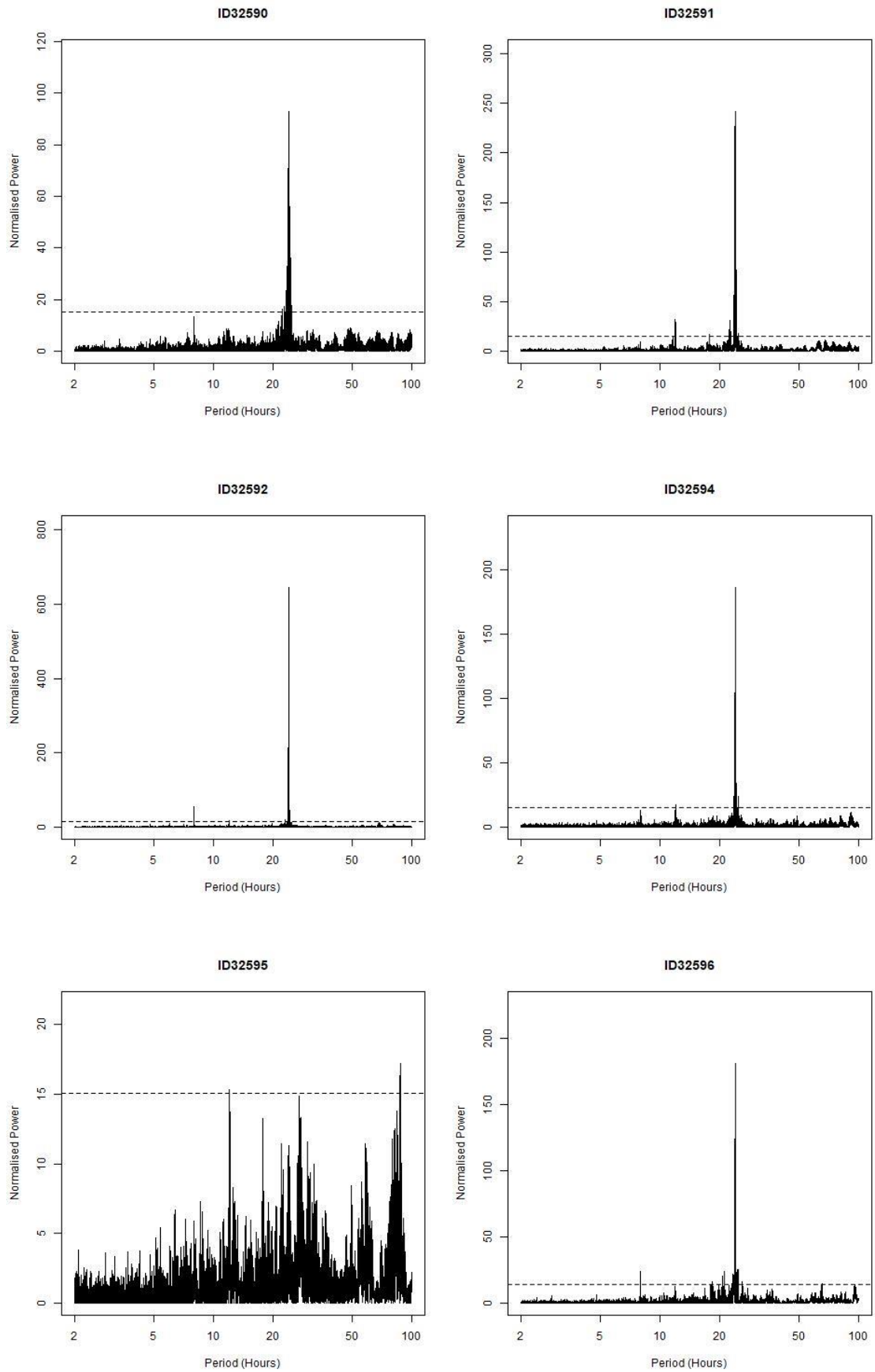


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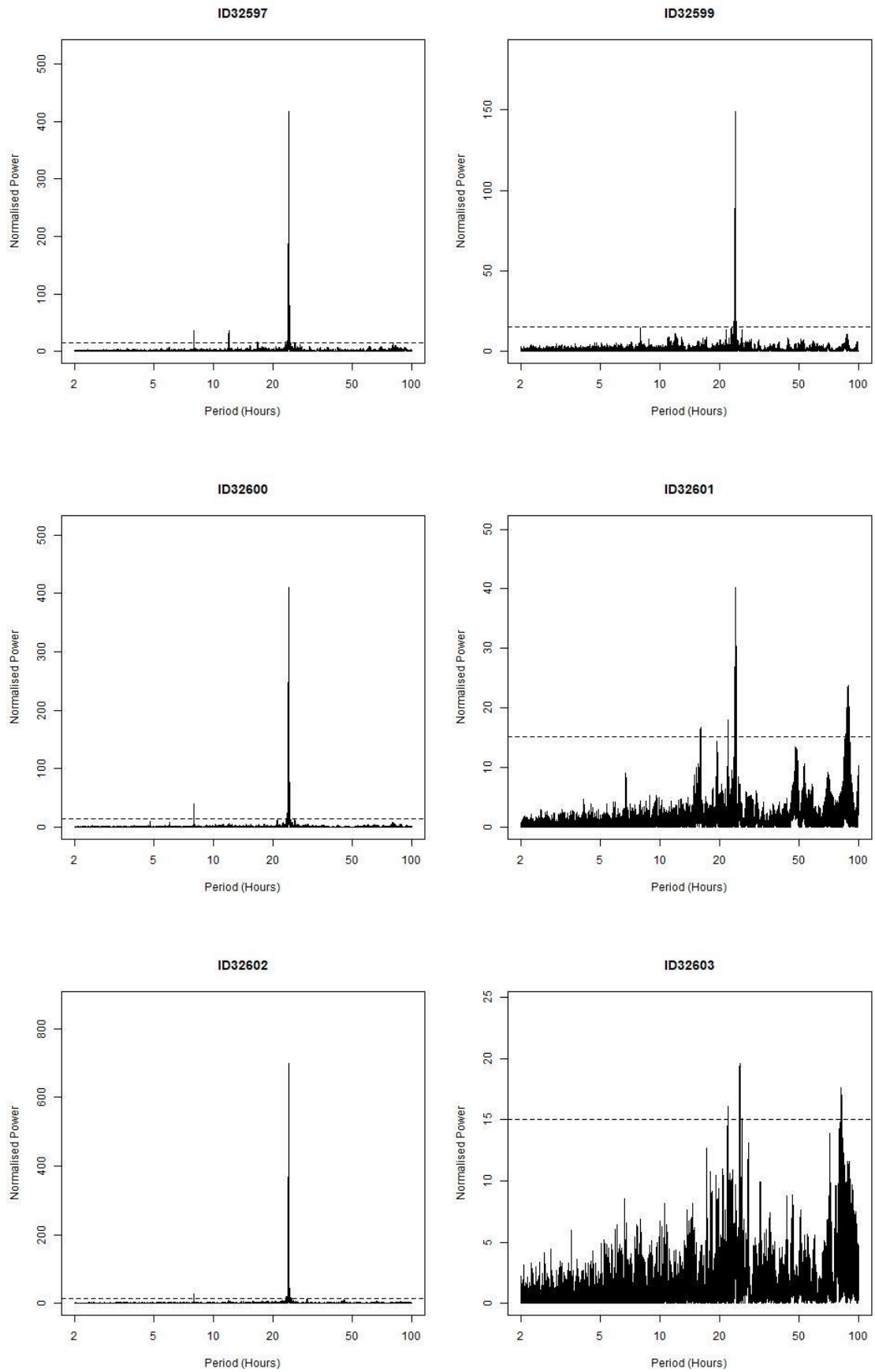


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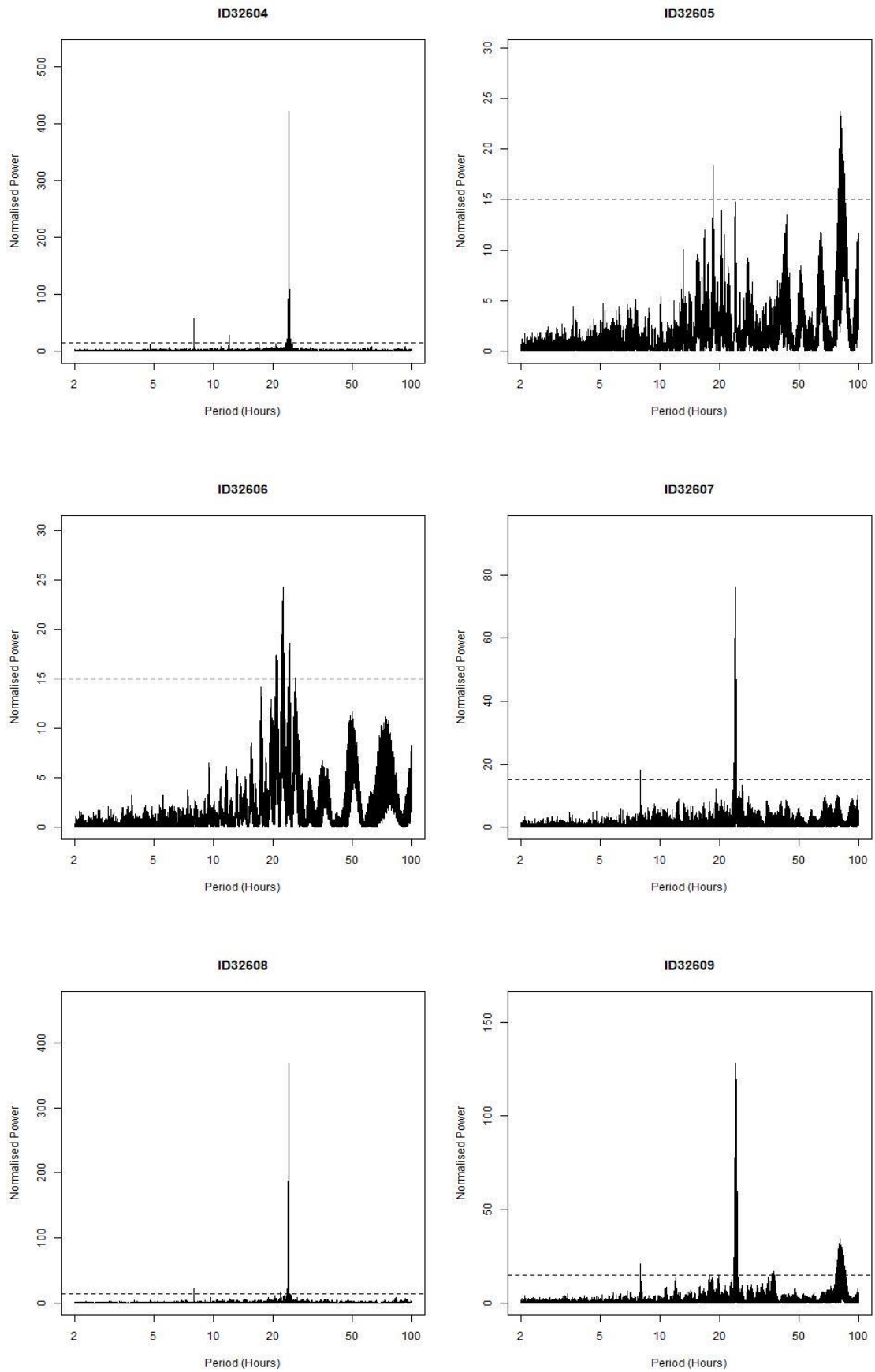


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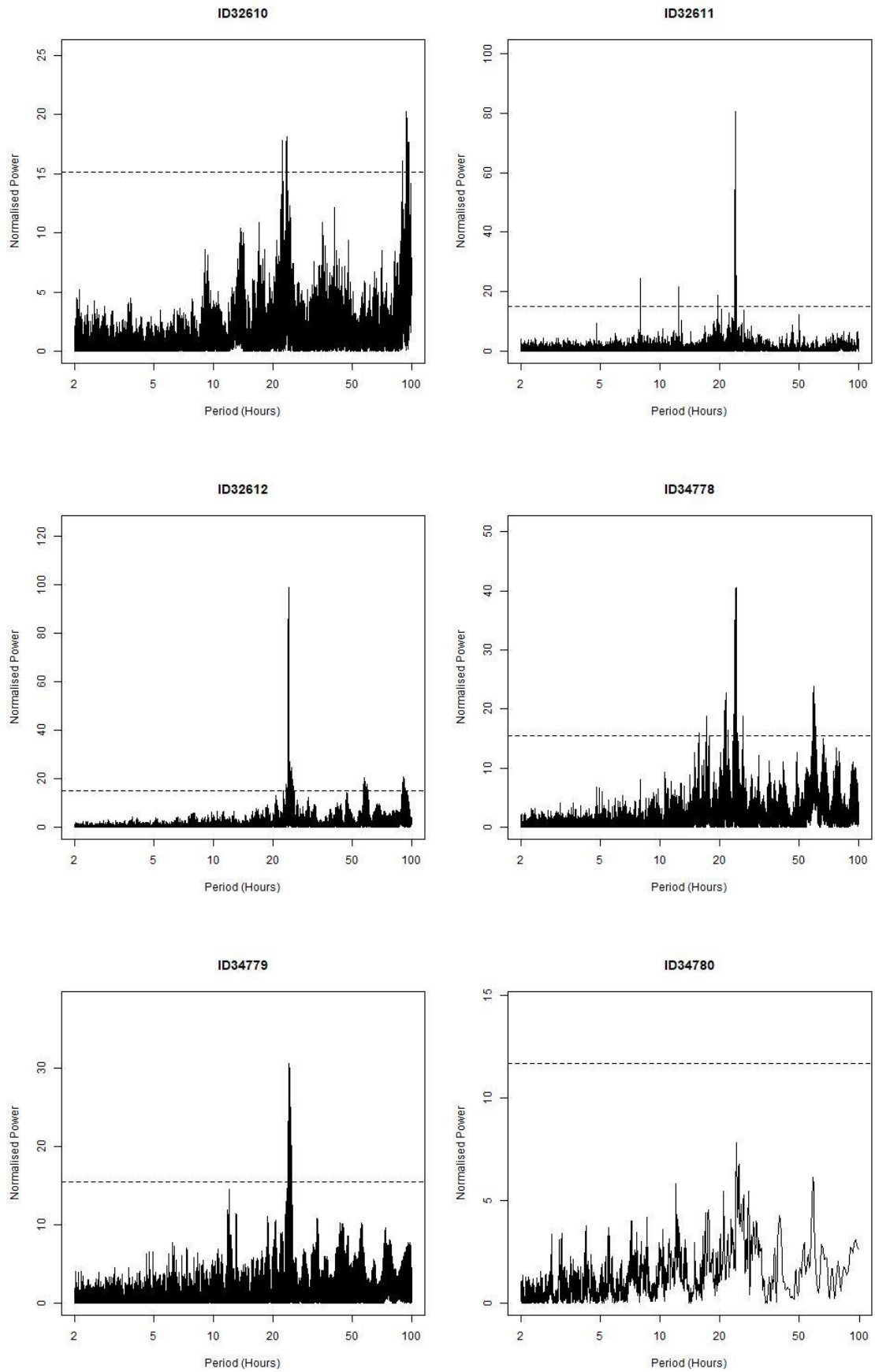


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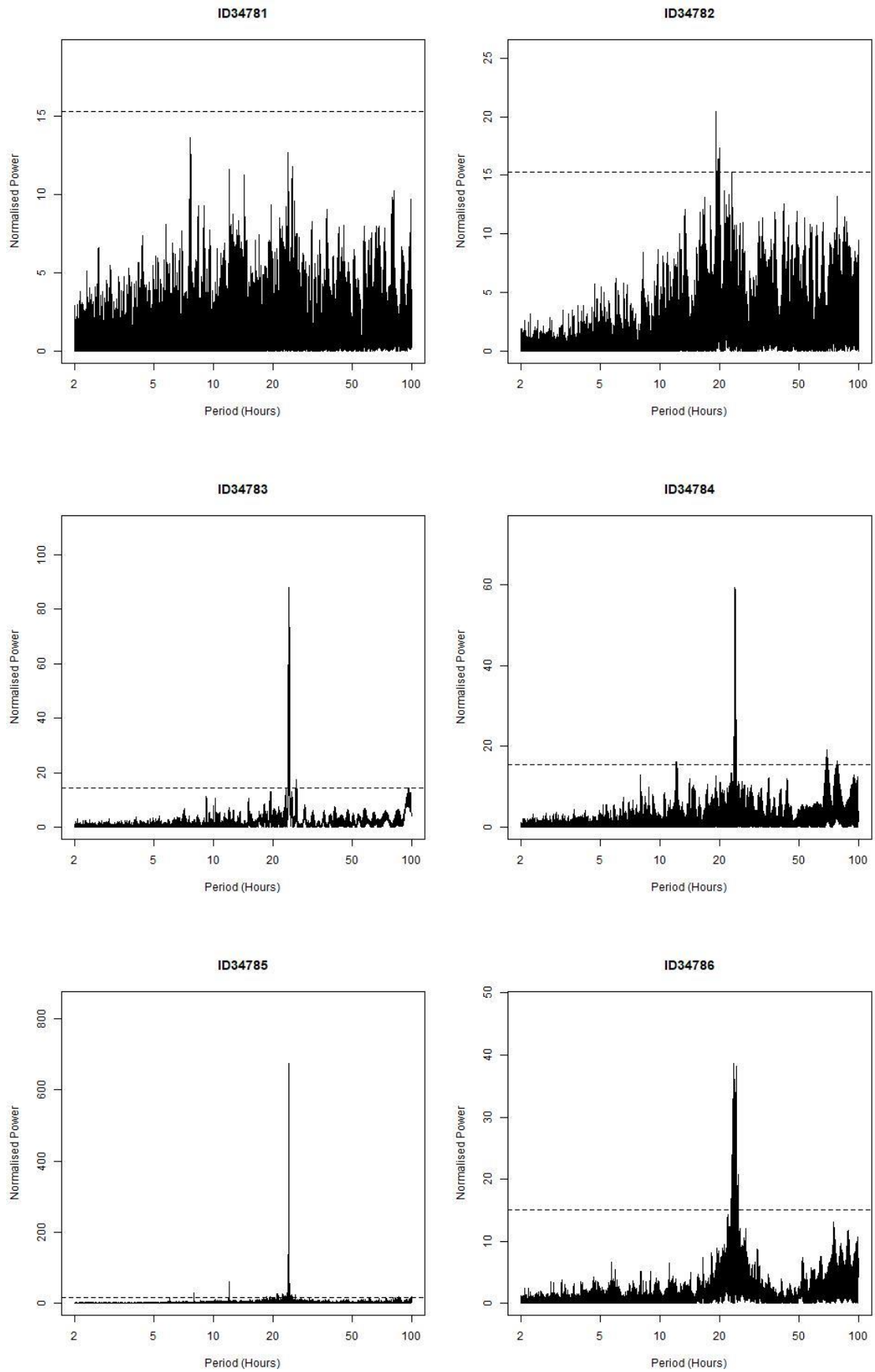


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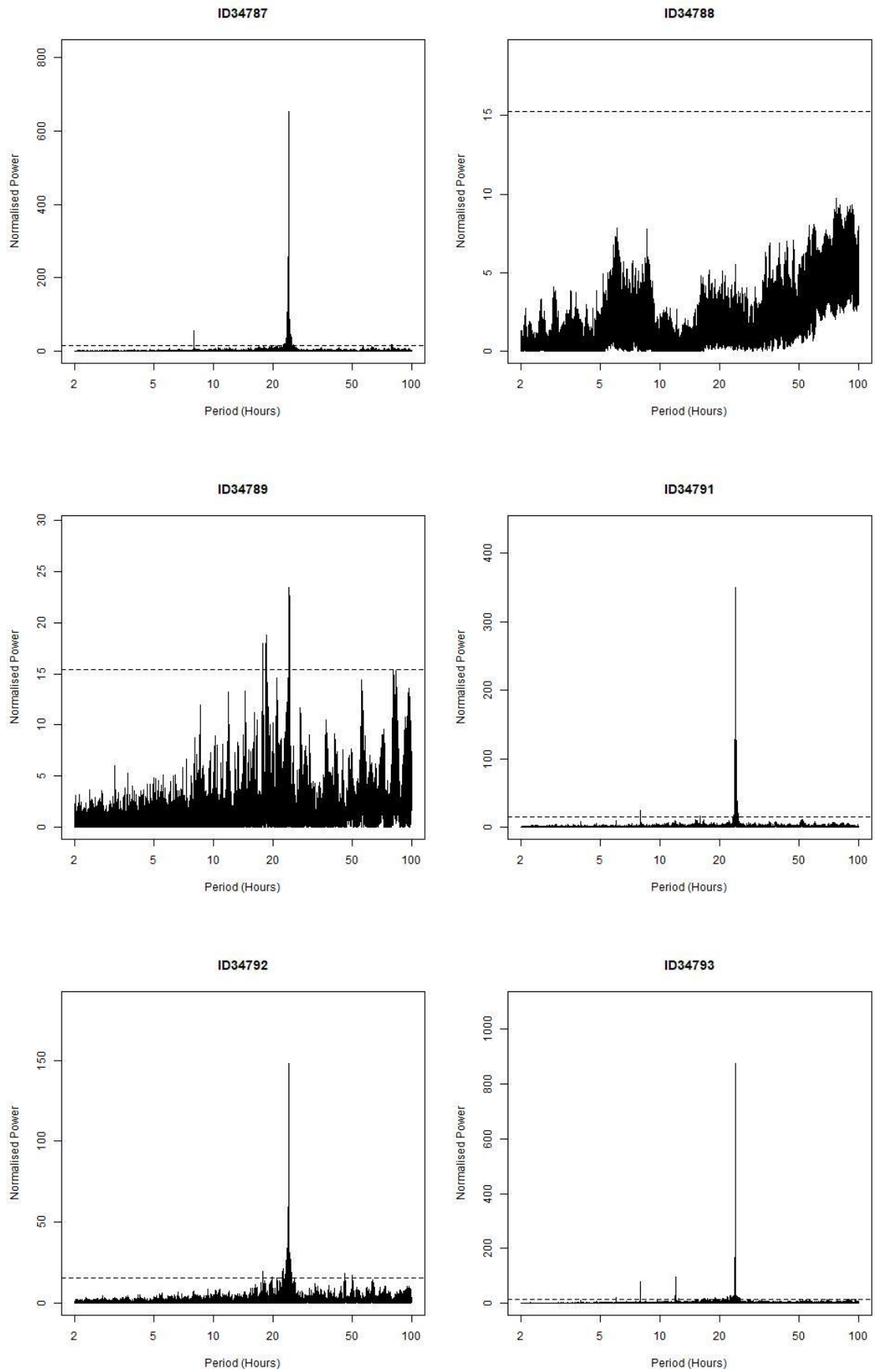


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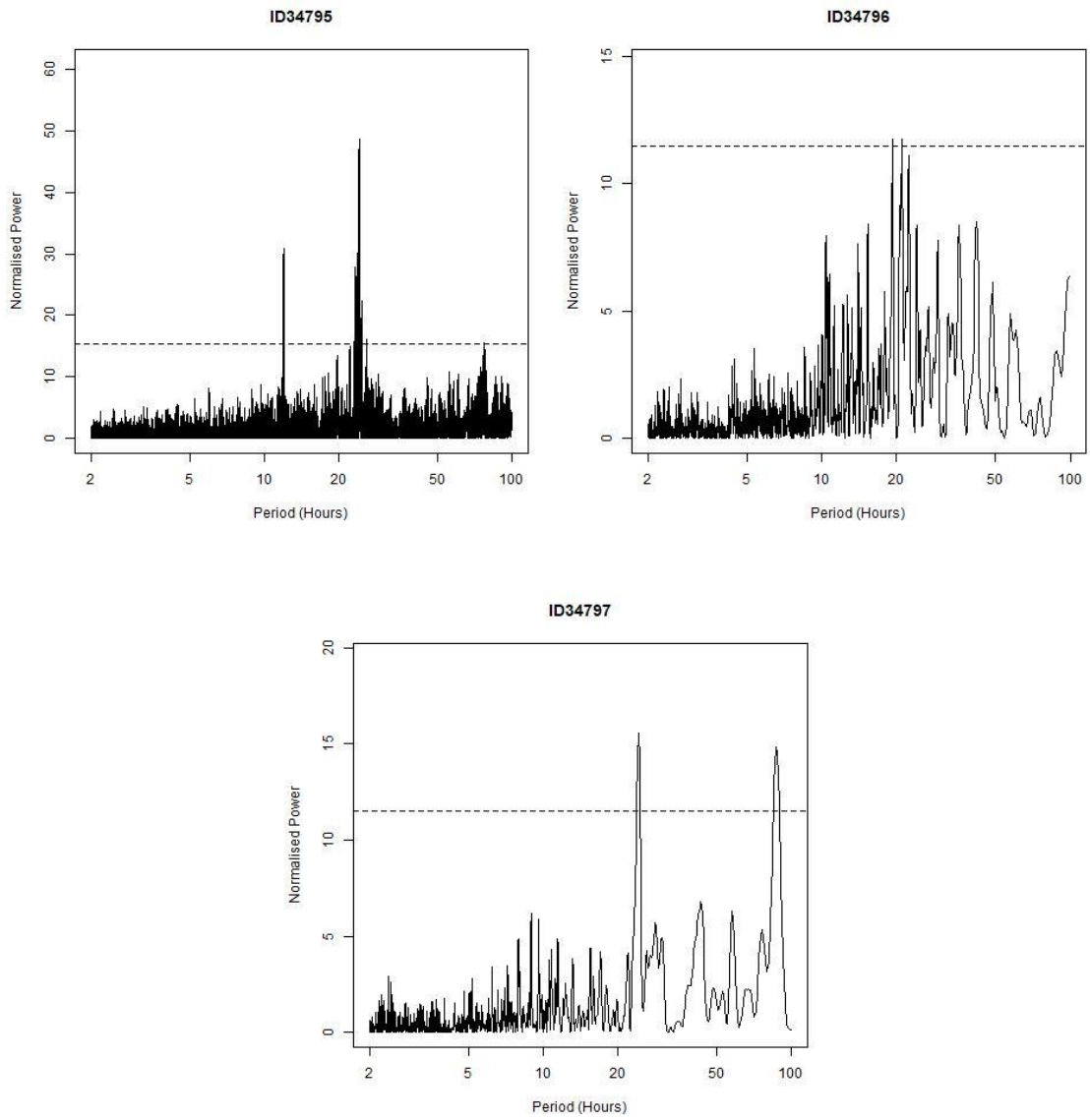


Fig. S2. (Cont.)

Table S1. Monitoring period and detection frequency of acoustically tagged Port Jackson sharks (*Heterodontus portusjacksoni*) within Jervis Bay, Australia

TL, total length; favoured site, site at which individuals were most frequently detected at each season

ID	Sex	TL (cm)	Year tagged	Days monitored	Days in Jervis Bay	Years detected	Detections at favoured site (%)
ID32577	Female	120	2014	81	81	5	88.89
ID32578	Male	100	2013	766	186	6	98.89
ID32579	Male	98	2013	763	149	6	98.01
ID32580	Male	97	2014	342	31	5	88.43
ID32581	Female	120	2013	776	194	6	77.12
ID32582	Female	113	2013	793	252	6	64.12
ID32583	Male	109	2014	12	12	1	90.84
ID32584	Female	113	2013	785	224	5	68.31
ID32585	Female	116.5	2013	72	72	2	96.91
ID32587	Male	102	2013	778	181	6	95.20
ID32588	Female	128	2013	786	193	6	55.67
ID32589	Male	97	2014	5	5	2	99.85
ID32590	Female	120	2013	701	76	6	85.79
ID32591	Female	116	2013	756	117	4	82.13
ID32592	Male	87.5	2014	360	104	5	98.83
ID32594	Male	96	2013	788	230	5	99.16
ID32595	Female	122	2013	355	97	6	59.21
ID32596	Male	106.5	2013	371	123	6	93.14
ID32597	Male	97	2013	369	96	5	99.42
ID32599	Male	90.5	2014	99	99	5	88.22
ID32600	Male	101	2013	349	68	5	94.71
ID32601	Female	131	2014	734	158	5	71.87
ID32602	Male	94	2014	375	94	6	98.55
ID32603	Female	125	2013	369	88	6	67.50
ID32604	Male	101	2014	746	235	5	98.53
ID32605	Female	109.5	2014	387	102	6	68.27
ID32606	Female	128	2013	3	3	5	62.41
ID32607	Female	97.5	2014	413	99	5	84.30
ID32608	Male	107	2013	718	114	5	85.86
ID32609	Female	126	2013	337	71	6	73.98
ID32610	Female	125	2013	732	184	6	61.62
ID32611	Male	112.7	2014	406	161	6	88.30
ID32612	Female	124.5	2014	54	54	5	76.53
ID34778	Female	118	2012	1196	326	6	84.86
ID34779	Male	100	2012	33	33	7	85.76
ID34780	Female	118	2012	85	85	5	91.38
ID34781	Male	91	2012	786	116	1	88.58
ID34782	Female	129	2012	787	225	6	75.75
ID34783	Male	102	2012	774	130	5	98.73
ID34784	Female	119	2012	1198	279	3	92.91
ID34785	Female	107	2012	1277	573	7	66.74
ID34786	Male	97	2012	1178	301	8	97.29
ID34787	Male	98	2012	1184	341	6	98.85
ID34788	Female	117	2012	1136	175	7	51.71
ID34789	Male	93	2012	743	178	4	93.67
ID34791	Male	103	2012	1169	309	7	99.53
ID34792	Male	95	2012	1171	387	7	89.11
ID34793	Female	111	2012	1246	535	7	93.50
ID34795	Male	94	2012	1171	228	8	97.19
ID34796	Female	116	2012	61	61	7	99.73
ID34797	Female	120	2012	51	51	2	99.92