

Additional information for the paper ‘*Identifying sudden cardiac death risk and specifying its occurrence time by analyzing electrocardiograms in natural time*’

TABLE II: The values of $\sigma[(\Delta S_3)]$, $\sigma[(\Delta S_7)]$ and N_3 for all the 159 individuals treated in this study. The corresponding values resulting from the RR time series are inserted in the third, fourth and fifth column, respectively, while the corresponding values resulting from the NN time series are given in the last three columns. The values marked with an asterisk(*) denote the “outliers” of healthy individuals, i.e., a simple statistical test -by means of the Box-and-Whisker plot of STATIST [D. Melcher, Computer code STATIST available from <http://www.usf.uos.de/~breiter/tools/statist/index.en.html> (2001)] - of the corresponding values obtained from the 72 healthy individuals immediately shows that these cases (i.e., three out of 72 for the RR time series, and one out of 72 for the NN) can be considered as “outliers”.

No	individual	$\sigma[(\Delta S_3)](RR)$	$\sigma[(\Delta S_7)](RR)$	$N_3(RR)$	$\sigma[(\Delta S_3)](NN)$	$\sigma[(\Delta S_7)](NN)$	$N_3(NN)$
1	16265	0.000728	0.001834	4.183	0.000727	0.001834	4.185
2	16272	0.000631	0.001528	3.511	0.000403	0.00115	5.161
3	16273	0.000798	0.001617	3.14	0.000798	0.001618	3.135
4	16420	0.000461	0.001084	4.094	0.000459	0.001083	4.097
5	16483	0.000343	0.001041	5.049	0.000341	0.001041	5.07
6	16539	0.001327*	0.002282	2.064	0.001328*	0.002284	2.061
7	16773	0.000992	0.002242	3.692	0.000887	0.00224	2.858
8	16786	0.000581	0.001226	3.431	0.000579	0.001225	3.438
9	16795	0.000843	0.001653	4.159	0.000843	0.001652	4.149
10	17052	0.000719	0.001422	3.591	0.00072	0.001425	3.583
11	17453	0.000658	0.001501	3.014	0.000658	0.001503	3.01
12	18177	0.000567	0.001314	4.21	0.000566	0.001313	4.207
13	18184	0.000506	0.001326	3.751	0.000505	0.001327	3.747
14	19088	0.000623	0.001343	3.722	0.000614	0.001393	3.412
15	19090	0.000451	0.001182	3.708	0.00045	0.001182	3.71
16	19093	0.00067	0.001855	2.949	0.000672	0.001878	2.868
17	19140	0.000674	0.001355	2.858	0.000675	0.001355	2.855
18	19830	0.000408	0.001042	6.636	0.000407	0.001044	6.644

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TABLE II: Continued

No	individual	$\sigma[(\Delta S_3)](RR)$	$\sigma[(\Delta S_7)](RR)$	$N_3(RR)$	$\sigma[(\Delta S_3)](NN)$	$\sigma[(\Delta S_7)](NN)$	$N_3(NN)$
19	chf01	0.000511	0.000777	2.568	0.000342	0.000563	3.694
20	chf02	0.002519	0.002609	1.106	0.000435	0.000834	2.012
21	chf03	0.001262	0.001858	1.151	0.00027	0.000463	3.304
22	chf04	0.000646	0.000853	2.027	0.000259	0.000411	4.486
23	chf05	0.000326	0.000468	3.782	0.000183	0.000314	6.545
24	chf06	0.002015	0.002582	1.138	0.001776	0.002286	1.174
25	chf07	0.001125	0.001478	1.375	0.000182	0.00029	5.825
26	chf08	0.000576	0.000893	2.074	0.000217	0.000483	4.893
27	chf09	0.000505	0.000732	1.779	0.000217	0.00035	3.589
28	chf10	0.00039	0.000716	2.502	0.000361	0.000712	2.576
29	chf11	0.000369	0.000617	5.263	0.000258	0.000501	7.474
30	chf12	0.000278	0.000661	8.288	0.00026	0.000644	8.865
31	chf13	0.000274	0.000367	2.365	0.000137	0.000216	4.415
32	chf14	0.000329	0.00048	4.005	0.000211	0.000308	6.151
33	chf15	0.0009	0.001195	1.973	0.000176	0.000391	8.457
34	chf201	0.000393	0.000945	3.714	0.000362	0.000919	4.009
35	chf202	0.000577	0.00106	3.326	0.000529	0.000993	3.564
36	chf203	0.000389	0.000538	2.055	0.000165	0.000273	4.318
37	chf204	0.000833	0.001218	1.515	0.000274	0.000539	3.605
38	chf205	0.000612	0.001121	2.55	0.000237	0.000399	3.126
39	chf206	0.000464	0.000687	2.426	0.000165	0.000232	3.64
40	chf207	0.002025	0.00264	20.475	0.000421	0.000897	2.903
41	chf208	0.000795	0.00124	1.545	0.000254	0.00038	3.02
42	chf209	0.000254	0.000346	2.036	0.000124	0.000186	3.735
43	chf210	0.000542	0.000723	1.415	0.0002	0.000346	2.905
44	chf211	0.000597	0.001485	3.737	0.000555	0.001408	3.957
45	chf212	0.0014	0.002673	2.775	0.000282	0.000449	4.831

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TABLE II: Continued

No	individual	$\sigma[(\Delta S_3)](RR)$	$\sigma[(\Delta S_7)](RR)$	$N_3(RR)$	$\sigma[(\Delta S_3)](NN)$	$\sigma[(\Delta S_7)](NN)$	$N_3(NN)$
46	chf213	0.002696	0.003915	1.255	0.000426	0.001118	5.884
47	chf214	0.000879	0.00124	1.751	0.000183	0.000284	5.25
48	chf215	0.00122	0.001167	1.081	0.000185	0.000311	3.834
49	chf216	0.000424	0.000857	3.073	0.000276	0.000599	4.473
50	chf217	0.00056	0.000941	5.148	0.000364	0.000732	7.74
51	chf218	0.001069	0.00181	2.335	0.000249	0.000568	8.328
52	chf219	0.000386	0.000976	5.259	0.000343	0.000927	5.901
53	chf220	0.000375	0.000675	3.1	0.000257	0.000539	4.38
54	chf221	0.001831	0.002866	2.208	0.00066	0.001751	5.777
55	chf222	0.000975	0.001703	2.504	0.000219	0.000418	5.988
56	chf223	0.001209	0.00181	2.66	0.000248	0.000491	5.507
57	chf224	0.000325	0.000557	5.354	0.000186	0.000418	9.229
58	chf225	0.000962	0.001799	1.814	0.000192	0.000421	5.241
59	chf226	0.000603	0.000796	2.497	0.000108	0.000208	12.861
60	chf227	0.001023	0.001329	1.745	0.000256	0.000426	5.804
61	chf228	0.000437	0.000636	3.534	0.000243	0.000404	6.058
62	chf229	0.000946	0.001953	2.678	0.000499	0.000923	3.93
63	nsr001	0.000494	0.001093	6.375	0.000474	0.00108	6.645
64	nsr002	0.000446	0.000984	5.499	0.000272	0.000881	8.912
65	nsr003	0.000553	0.001046	3.109	0.000407	0.00075	4.059
66	nsr004	0.000467	0.00114	6.164	0.000452	0.00113	6.364
67	nsr005	0.000559	0.001174	7.67	0.000394	0.001068	10.834
68	nsr006	0.000369	0.000871	7.924	0.000326	0.000839	8.922
69	nsr007	0.000269	0.000562	6.606	0.000229	0.000527	7.735
70	nsr008	0.00042	0.001081	6.147	0.000398	0.001065	6.486
71	nsr009	0.000608	0.00156	4.69	0.0006	0.001555	4.75
72	nsr010	0.000648	0.001628	4.792	0.000498	0.001546	6.175

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TABLE II: Continued

No	individual	$\sigma[(\Delta S_3)](RR)$	$\sigma[(\Delta S_7)](RR)$	$N_3(RR)$	$\sigma[(\Delta S_3)](NN)$	$\sigma[(\Delta S_7)](NN)$	$N_3(NN)$
73	nsr011	0.000366	0.000749	6.197	0.00032	0.000713	7.079
74	nsr012	0.000306	0.000795	9.065	0.000278	0.000773	9.976
75	nsr013	0.000322	0.000838	9.257	0.000307	0.000829	9.695
76	nsr014	0.000943	0.001515	2.942	0.000905	0.001468	3.06
77	nsr015	0.000299	0.000682	6.02	0.000242	0.000592	7.345
78	nsr016	0.000346	0.000761	5.924	0.000265	0.000632	7.644
79	nsr017	0.000847	0.00145	3.078	0.000618	0.001233	4.119
80	nsr018	0.000685	0.00128	3.565	0.000405	0.001078	5.848
81	nsr019	0.000262	0.000642	9.077	0.000243	0.000631	9.768
82	nsr020	0.00047	0.001194	5.068	0.000421	0.001163	5.625
83	nsr021	0.000435	0.001011	5.372	0.00043	0.001008	5.427
84	nsr022	0.000527	0.001074	3.221	0.000494	0.001049	3.421
85	nsr023	0.000346	0.000742	6.053	0.000317	0.000717	6.587
86	nsr024	0.001801*	0.00238	2.406	0.000593	0.001285	7.03
87	nsr025	0.000774	0.00157	2.766	0.000676	0.001491	3.111
88	nsr026	0.000235	0.000549	11.893	0.000201	0.000528	13.857
89	nsr027	0.00028	0.000677	10.598	0.000279	0.000676	10.628
90	nsr028	0.000456	0.001144	5.133	0.000371	0.001096	6.265
91	nsr029	0.000423	0.001216	7.923	0.000414	0.001213	8.072
92	nsr030	0.000294	0.000677	8.524	0.000257	0.000638	9.733
93	nsr031	0.000501	0.001318	4.546	0.000401	0.001267	5.634
94	nsr032	0.000543	0.000857	4.112	0.000242	0.000587	8.994
95	nsr033	0.000387	0.001089	5.649	0.000374	0.001081	5.851
96	nsr034	0.000278	0.000815	9.394	0.00027	0.00081	9.665
97	nsr035	0.000421	0.00093	4.975	0.000406	0.000918	5.152
98	nsr036	0.000548	0.000952	3.528	0.000533	0.000902	3.578
99	nsr037	0.000257	0.000659	9.524	0.000236	0.000638	10.373
100	nsr038	0.000436	0.001258	6.315	0.000434	0.001256	6.343

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101	nsr039	0.000313	0.000652	5.976	0.000213	0.000553	8.694
102	nsr040	0.000365	0.000648	6.443	0.000351	0.000631	6.689
103	nsr041	0.000392	0.000825	4.205	0.000349	0.000753	4.599
104	nsr042	0.000491	0.001258	4.799	0.000487	0.001256	4.835
105	nsr043	0.000425	0.000813	6	0.000244	0.000669	10.281
106	nsr044	0.001644*	0.002182	1.817	0.000363	0.000828	6.878
107	nsr045	0.000577	0.001062	3.94	0.000466	0.00097	4.816
108	nsr046	0.000454	0.000904	6.242	0.000355	0.000821	7.893
109	nsr047	0.000576	0.001547	4.333	0.000569	0.001543	4.379
110	nsr048	0.000569	0.001783	4.913	0.000551	0.00177	5.062
111	nsr049	0.000794	0.00196	3.224	0.000546	0.001582	4.391
112	nsr050	0.000456	0.001239	5.689	0.00041	0.001142	6.185
113	nsr051	0.000746	0.001739	4.403	0.000718	0.00167	4.553
114	nsr052	0.000421	0.001164	7.437	0.000389	0.001102	8.011
115	nsr053	0.000593	0.001522	4.693	0.000593	0.001522	4.695
116	nsr054	0.000586	0.001526	4.983	0.000583	0.001525	5.003
117	30	0.000746	0.001115	2.678	0.000451	0.000814	4.182
118	31	0.001294	0.001516	1.085	0.000406	0.000608	2.157
119	32	0.000236	0.000329	3.565	0.000191	0.000278	4.333
120	34	0.000664	0.001582	2.233	0.000622	0.001552	2.353
121	35	0.002476	0.003743	1.379	0.002344	0.003607	1.43
122	36	0.001745	0.002636	1.126	0.00158	0.002407	1.236
123	41	0.001702	0.002256	1.267	0.000244	0.000388	4.274
124	45	0.000684	0.000911	1.489	0.000469	0.000601	1.785
125	46	0.001539	0.002432	2.231	0.001339	0.00206	2.27
126	49	0.001381	0.001954	1.536	0.00035	0.000828	4.699
127	51	0.000896	0.001468	2.119	0.000707	0.001216	1.794

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128	52	0.000995	0.001629	1.568	0.000418	0.000563	1.925
129	33	0.0015	0.00295	2.71	0.001407	0.002872	2.48
130	37	0.002009	0.003612	1.316	0.000975	0.002038	1.71
131	44	0.001415	0.001863	1.29	0.000478	0.000679	2.603
132	47	0.001415	0.002499	1.724	0.000512	0.001176	2.633
133	48	0.000621	0.000906	1.339	0.00032	0.000587	2.067
134	50	0.003137	0.004916	1.069	0.003015	0.004594	1.051
135	00735	0.000928	0.001555	2.25			
136	03665	0.002728	0.003726	1.231			
137	04015	0.001458	0.002485	1.304			
138	04043	0.001443	0.002314	1.261			
139	04048	0.000844	0.001451	1.833			
140	04126	0.002068	0.002962	1.624			
141	04746	0.002394	0.003692	1.723			
142	04908	0.001331	0.001851	1.146			
143	04936	0.0024	0.003985	1.808			
144	05091	0.000961	0.001512	1.474			
145	05121	0.00228	0.003528	1.207			
146	05261	0.001748	0.002552	1.324			
147	06426	0.003015	0.004656	1.184			
148	06453	0.001022	0.001405	1.632			
149	06995	0.002255	0.003392	1.218			
150	07162	0.00308	0.00476	1.169			
151	07859	0.001893	0.00277	1.074			
152	07879	0.002364	0.003781	1.808			
153	07910	0.001649	0.002475	1.608			
154	08215	0.00251	0.003769	1.272			

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155	08219	0.002375	0.00321	1.075			
156	08378	0.001355	0.002019	2.358			
157	08405	0.002993	0.004806	1.271			
158	08434	0.001538	0.001948	1.361			
159	08455	0.002754	0.004435	1.386			