

Table 1: Results of the two-factor analyses of variance (ANOVAs), performed separately on both xECGArch models' (long-term and short-term) mean relative relevance (rR) of all segments of a type and the standard deviation (SD) of the mean rR per segment type, to investigate differences between the classes, the segments, and the factor interaction.

Source	Sum Sq.	d.f.	Singular	Mean Sq.	F	Prob>F
Mean rR of all segments of a type (Long-term)						
Classes	11.0	2	0	5.5	2497.4	0.000
Segments	613.7	9	0	68.2	30831.8	0.000
Classes*Segments	19.3	18	0	1.1	483.7	0.000
Error	31.0	14014	0	0.0	-	-
Total	687.4	14043	0	-	-	-
Mean rR of all segments of a type (Short-term)						
Classes	4.9	2	0	2.5	365.5	0.000
Segments	96.8	9	0	10.8	1598.6	0.000
Classes*Segments	105.7	18	0	5.9	873.1	0.000
Error	92.0	13679	0	0.0	-	-
Total	314.8	13708	0	-	-	-
SD of mean rR per segment type (Long-term)						
Classes	0.1	2	0	0.0	69.4	0.000
Segments	40.1	9	0	4.5	7695.6	0.000
Classes*Segments	5.1	18	0	0.3	493.9	0.000
Error	8.1	14047	0	0.0	-	-
Total	55.6	14076	0	-	-	-
SD of mean rR per segment type (Short-term)						
Classes	0.1	2	0	0.0	39.3	0.000
Segments	14.7	9	0	1.6	1436.9	0.000
Classes*Segments	25.4	18	0	1.4	1239.5	0.000
Error	15.6	13717	0	0.0	-	-
Total	58.7	13746	0	-	-	-

Table 2: Results from Student's *t*-tests for mean relative relevance of all segments of a type for the long-term model from xECGArch. The analyses were applied as *post-hoc* analyses for the analysis of variance (ANOVA). Mean group differences *d* and Tukey-Kramer-adjusted *p*-values are given for each comparison.

Segments			P			PQ			Q			R			S			ST			T			QT			TQ			F		
Class			AF	O	NSR	AF	O	NSR	AF	O	NSR	AF	O	NSR	AF	O	NSR	AF	O	NSR	AF	O	NSR	AF	O	NSR	AF	O	NSR			
Metric																																
P	AF	d	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
		p	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	O	d			-0.006	-	-0.005	-0.021	-0.177	-0.257	-0.262	-0.442	-0.580	-0.591	-0.263	-0.350	-0.349	.059	.065	.064	.077	.064	.057	.014	-.003	.000	.090	.065	.075	.065	-	-
		p			.973	-	1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.004	1	1	.000	.000	.000	.000	-	-
NSR	d				-	.001	-0.015	-0.171	-0.251	-0.256	-0.436	-0.573	-0.585	-0.257	-0.344	-0.343	.066	.071	.070	.083	.070	.063	.020	.003	.006	.097	.071	.081	.071	-	-	
		p				-	1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1	.990	.000	.000	.000	.000	-	-	
PQ	AF	d				-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		p				-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	O	d						-0.016	-0.172	-0.252	-0.257	-0.437	-0.575	-0.586	-0.258	-0.345	-0.344	.064	.070	.069	.081	.069	.062	.018	.002	.004	.095	.069	.079	.070	-	-
		p						.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1	1	.000	.000	.000	.000	-	-	
NSR	d							-0.156	-0.236	-0.241	-0.421	-0.558	-0.570	-0.242	-0.329	-0.328	.080	.086	.085	.098	.085	.078	.035	.018	.021	.111	.086	.096	.086	-	-	
		p						.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	-	
Q	AF	d						-0.080	-0.085		-0.265	-0.402	-0.414	-0.086	-0.173	-0.172	.237	.242	.241	.254	.241	.234	.191	.174	.177	.267	.242	.252	.242	-	-	
		p						.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	-	
	O	d							-0.005		-0.185	-0.322	-0.334	-0.006	-0.093	-0.092	.317	.322	.321	.334	.321	.314	.271	.254	.257	.347	.322	.332	.322	-	-	
		p							1	.000	.000	.000	.986	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	-	
NSR	d										-0.180	-0.318	-0.329	-0.001	-0.088	-0.087	.321	.327	.326	.339	.326	.319	.276	.259	.261	.352	.327	.337	.327	-	-	
		p									.000	.000	.000	1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	-	
R	AF	d									-0.138	-0.149		.179	.092	.093	.501	.507	.506	.518	.506	.499	.455	.439	.441	.532	.506	.516	.507	-	-	
		p									.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	-	
	O	d										-0.011	.316	.230	.231	.639	.645	.644	.656	.644	.636	.593	.577	.579	.670	.644	.654	.645	-	-		
		p											.059	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	-	
NSR	d												.328	.241	.242	.650	.656	.655	.668	.655	.648	.605	.588	.590	.681	.656	.666	.656	-	-		
		p											.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	-	
S	AF	d												-0.087	-0.086		.323	.328	.327	.340	.327	.320	.277	.260	.263	.353	.328	.338	.328	-	-	
		p												.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	-	
	O	d													.001	.409	.415	.414	.426	.414	.407	.364	.347	.349	.440	.414	.425	.415	-	-		
		p													1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	-	
NSR	d															.408	.414	.413	.425	.413	.406	.362	.346	.348	.439	.413	.424	.414	-	-		
		p														.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	-	
ST	AF	d															.006	.005		.017	.005	-.003	-.046	-.062	-.060	.031	.005	.015	.006	-	-	
		p															.992	1		.000	1	1	.000	.000	.000	.000	.998	.000	.999	-	-	
	O	d																	-.001	.011	-.001	-.008	-.052	-.068	-.066	.025	-.001	.009	.000	-	-	
		p																	1	.053	1	.609	.000	.000	.000	.000	1	.307	1	-	-	
NSR	d																		.012	.000	-.007	-.051	-.067	-.065	.026	.000	.010	.001	-	-		
		p																		.014	1	.831	.000	.000	.000	.000	1	.122	1	-	-	

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Table 3: Results from Student’s *t*-tests for mean relative relevance of all segments of a type for the short-term model from xECGArch. The analyses were applied as *post-hoc* analyses for the analysis of variance (ANOVA). Mean group differences d and Tukey-Kramer-adjusted p -values are given for each comparison.

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Table 4: Results from Student's *t*-tests for the standard deviations of the mean relative relevance per segment type for the long-term model from xECGArch. The analyses were applied as *post-hoc* analyses for the analysis of variance (ANOVA). Mean group differences *d* and Tukey-Kramer-adjusted *p*-values are given for each comparison.

Segment Class Metric			P			PQ			Q			R			S			ST			T			QT			TQ			F			
			AF	O	NSR	AF	O	NSR	AF	O	NSR	AF	O	NSR	AF	O	NSR	AF	O	NSR	AF	O	NSR	AF	O	NSR	AF	O	NSR				
P	AF	d	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
		p	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
		d			.001	-	.000	.001	-.066	-.031	-.026	-.135	-.075	-.066	-.086	-.040	-.033	-.004	.015	.016	.001	.014	.016	-.009	.009	.012	.007	.016	.019	-.013	-	-	
		p			1	-	1	1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.062	.000	.000	1	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	-	
		NSR	d	-	-.001	.000	-.067	-.032	-.027	-.136	-.076	-.068	-.087	-.041	-.035	-.005	.014	.015	-.001	.013	.015	-.001	.013	.015	-.010	.008	.011	.006	.015	.018	-.014	-	-
		p	-	1	1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.001	.000	.000	1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	-	
PQ	AF	d				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		p				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		d						.001	-.066	-.031	-.026	-.135	-.075	-.066	-.086	-.040	-.033	-.004	.015	.016	.001	.015	.016	-.009	.009	.012	.007	.016	.020	-.013	-	-	
		p						1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.089	.000	.000	1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	-
		NSR	d						-.067	-.032	-.027	-.136	-.076	-.067	-.087	-.041	-.034	-.005	.014	.015	.000	.014	.015	-.010	.008	.011	.006	.015	.019	-.014	-	-	
		p						.000	.000	.000	.000	.000	.000	.000	.000	.000	.002	.000	.000	1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	-	
Q	AF	d						.035	.040		-.069	-.009	.000	-.020	.026	.033	.062	.081	.082	.067	.080	.082	.057	.075	.078	.073	.082	.085	.053	-	-		
		p						.000	.000	.000	.000	.000	1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	-	
		d							.005		-.104	-.044	-.035	-.055	-.009	-.002	.028	.046	.047	.032	.046	.047	.022	.041	.043	.038	.048	.051	.019	-	-		
		p							.000	.000	.000	.000	.000	.000	.000	.938	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	-	
		NSR	d								-.109	-.049	-.040	-.060	-.014	-.008	.022	.041	.042	.027	.040	.042	.017	.035	.038	.033	.042	.045	.013	-	-		
		p						.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	-		
R	AF	d									.060	.069		.049	.095	.102	.132	.150	.151	.136	.150	.151	.126	.144	.147	.142	.152	.155	.123	-	-		
		p							.000	.000		.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	-	
		d									.008	-.011	.035	.041	.071	.089	.091	.075	.089	.091	.066	.084	.087	.082	.091	.094	.062	-	-				
		p								.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	-	
		NSR	d											-.020	.027	.033	.063	.081	.083	.067	.081	.082	.058	.076	.078	.074	.083	.086	.054	-	-		
		p								.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	-		
S	AF	d											.046	.052		.082	.101	.102	.087	.100	.102	.077	.095	.098	.093	.102	.105	.073	-	-			
		p											.000	.000		.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	-		
		d												.006		.036	.054	.056	.040	.054	.056	.031	.049	.052	.047	.056	.059	.027	-	-			
		p												.000		.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	-		
		NSR	d													.030	.048	.050	.034	.048	.049	.025	.043	.045	.041	.050	.053	.021	-	-			
		p												.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	-			
ST	AF	d														.018	.020		.004	.018	.020	-.005	.013	.015	.011	.020	.023	-.009	-	-			
		p														.000	.000		.007	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	-		
		d																.001	-.014	.000	.001	-.023	-.005	-.003	-.007	.002	.005	-.027	-	-			
		p																	1	.000	1	1	.000	.000	.499	.000	.997	.001	.000	-	-		
		NSR	d																	-.016	-.002	.000	-.025	-.007	-.004	-.009	.000	.003	-.029	-	-		
		p																.000	.999	1	.000	.000	.004	.000	1	.152	.000	-	-				

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Table 5: Results from Student's *t*-tests for the standard deviations of the mean relative relevance per segment type for the short-term model from xECGArch. The analyses were applied as *post-hoc* analyses for the analysis of variance (ANOVA). Mean group differences *d* and Tukey-Kramer-adjusted *p*-values are given for each comparison.

Segment Class Metric			P			PQ			Q			R			S			ST			T			QT			TQ			F			
			AF	O	NSR	AF	O	NSR	AF	O	NSR	AF	O	NSR	AF	O	NSR	AF	O	NSR	AF	O	NSR	AF	O	NSR	AF	O	NSR				
P	AF	d	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
		p	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	O	d			.001	.033	.001	.000	-.058	-.001	.007	-.074	-.024	-.012	-.028	-.001	.006	-.015	.011	.019	-.054	-.003	.012	-.025	.008	.017	-.073	-.002	-.001	-.064	-	-	
		p			1	.000	1	1	.000	1	.001	.000	.000	.000	.000	1	.027	.000	.000	.000	.000	.992	.000	.000	.000	.000	.000	1	1	.000	-	-	
	NSR	d				.032	-.001	-.001	-.059	-.002	.006	-.075	-.025	-.013	-.030	-.002	.004	-.016	.009	.018	-.055	-.004	.010	-.026	.007	.016	-.074	-.003	-.002	-.065	-	-	
		p				.000	1	1	.000	1	.018	.000	.000	.000	.000	1	.275	.000	.000	.000	.000	.570	.000	.000	.001	.000	.000	.870	.999	.000	-	-	
	PQ	AF	d				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			p				-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
O		d						-.001	-.059	-.001	.006	-.074	-.025	-.013	-.029	-.001	.005	-.016	.010	.018	-.054	-.003	.011	-.026	.007	.016	-.073	-.003	-.002	-.064	-	-	
		p						1	.000	1	.003	.000	.000	.000	.000	1	.087	.000	.000	.000	.000	.902	.000	.000	.000	.000	.000	.992	1	.000	-	-	
	NSR	d							-.058	-.001	.007	-.074	-.024	-.012	-.028	-.001	.006	-.015	.011	.019	-.054	-.003	.012	-.025	.008	.017	-.073	-.002	-.001	-.064	-	-	
		p							.000	1	.000	.000	.000	.000	.000	1	.016	.000	.000	.000	.000	.992	.000	.000	.000	.000	.000	1	1	.000	-	-	
	Q	AF	d							.057	.065		-.016	.034	.046	.030	.057	.064	.043	.069	.077	.004	.055	.070	.033	.066	.075	-.015	.056	.057	-.006	-	-
			p							.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.359	.000	.000	.000	.000	.000	.000	.000	.000	.070	-	-
O		d								.008		-.073	-.023	-.011	-.027	.000	.007	-.014	.012	.020	-.053	-.002	.012	-.024	.009	.018	-.072	-.001	.000	-.063	-	-	
		p								.000	.000	.000	.000	.000	.000	1	.002	.000	.000	.000	.000	1	.000	.000	.000	.000	.000	1	1	.000	-	-	
	NSR	d										-.081	-.031	-.019	-.035	-.008	-.001	-.022	.004	.012	-.061	-.010	.004	-.032	.001	.010	-.080	-.009	-.008	-.071	-	-	
		p							.000	.000	.000	.000	.000	.000	.000	.000	1	.000	.785	.000	.000	.000	.301	.000	1	.000	.000	.000	.000	-	-		
	R	AF	d										.050	.061		.045	.073	.079	.059	.084	.093	.020	.071	.085	.049	.082	.090	.001	.071	.073	.010	-	-
			p										.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1	.000	.000	.000	-	-
O		d											.012	-.004	.023	.030		.009	.035	.043	-.030	.021	.035	-.001	.032	.041	-.049	.022	.023	-.040	-	-	
		p											.000	.337	.000	.000		.000	.000	.000	.000	.000	.000	1	.000	.000	.000	.000	.000	.000	-	-	
	NSR	d													-.016	.011	.018	-.003	.023	.031	-.042	.009	.024	-.013	.020	.029	-.060	.010	.011	-.052	-	-	
		p													.000	.000	.000	.969	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	-	
	S	AF	d													.028	.034		.013	.039	.047	-.025	.026	.040	.003	.036	.045	-.044	.026	.027	-.036	-	-
			p													.000	.000	.000	.000	.000	.000	.000	.000	.000	.866	.000	.000	.000	.000	.000	.000	-	-
O		d															.006	-.014	.011	.020	-.053	-.002	.012	-.024	.009	.017	-.072	-.001	.000	-.063	-	-	
		p															.003	.000	.000	.000	.000	1	.000	.000	.000	.000	.000	1	1	.000	-	-	
	NSR	d																-.021	.005	.013	-.059	-.008	.006	-.031	.002	.011	-.078	-.008	-.007	-.070	-	-	
		p																.000	.132	.000	.000	.000	.015	.000	.999	.000	.000	.000	.001	.000	-	-	
	ST	AF	d																.026	.034		-.039	.012	.027	-.010	.023	.032	-.058	.013	.014	-.049	-	-
			p																.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	-
O		d																		.008	-.064	-.013	.001	-.036	-.003	.006	-.083	-.013	-.012	-.075	-	-	
		p																		.000	.000	.000	1	.000	.996	.006	.000	.000	.000	.000	-	-	
	NSR	d																			-.073	-.022	-.007	-.044	-.011	-.002	-.092	-.021	-.020	-.083	-	-	
		p																			.000	.000	.000	.000	.000	1	.000	.000	.000	.000	-	-	

[illegible]