Table S1. Abbreviations and meaning of fHRV measures.

Heart Rate Variability (HRV) measures	Abbreviations (used in our analysis)	Mathematical domain (See Bravi et al. 2011)	Aspect of variability
Predictive feature: error from an autoregressive model	ARerr	Informational	Degree
Poincaré plot SD1	SD1	Geometric	degree
Teager energy operator average energy	Teo	Energetic	degree
Symbolic dynamics: modified conditional entropy, non-uniform case	SymDce_2	Statistical	Complexity
Symbolic dynamics: forbidden words, non-uniform case	SymDfw_2	Statistical	Complexity
Grid count	gcount	Informational	Complexity
Symbolic dynamics: Shannon entropy, non-uniform case	SymDse_2	Statistical	Complexity
Symbolic dynamics: percentage of 0 variations sequences, non-uniform case	SymDp0_2	Statistical	Complexity
Symbolic dynamics: percentage of 1 variations sequences, non-uniform case	SymDp1_2	Statistical	Complexity
Multiscale time irreversibility asymmetry index	AsymI	Energetic	Complexity
Multiscale Entropy	MSE	Informational	Complexity
Kullback Leibler permutation entropy	KLPE	Informational	Complexity
Quadratic Sample Entropy	QSE	Informational	Complexity
Grid transformation feature: AND similarity index	sgridAND	Informational	Complexity
Poincare plot Cardiac Vagal Index	CVI	Geometric	Degree
Detrended Fluctuation Analysis Alpha 2	DFA α2	Invariant	Complexity
HF Power (Lomb-Scargle method)	HF Power	Energetic	Degree
Symbolic dynamics: percentage of 2 variations sequences, non-uniform case	SymDp2_2	Statistical	Complexity
Poincare plot Cardiac Sympathetic Index	CSI	Geometric	Degree
Recurrence Quantification Analysis: maximum diagonal line	dlmax	Geometric	Complexity
Recurrence Quantification Analysis: percentage of recurrences	pR	Geometric	Complexity
Grid transformation feature: Time delay similarity index	sgridTAU	Informational	Complexity
Grid transformation feature: weighted similarity index	sgridWGT	Informational	Complexity
Recurrence Quantification Analysis: maximum vertical line	vlmax	Geometric	Complexity
Correlation dimension	CD	Invariant	Complexity
Recurrence Quantification Analysis: percentage of determinism	pD	Geometric	Complexity
Recurrence Quantification Analysis: percentage of laminarity	pL	Geometric	Complexity
Coefficient of variation	CVI	Statistical	Degree
Detrended Fluctuation Analysis Area under the curve	DFA AUC	Invariant	Degree
Poincaré plot SD2	SD2	Geometric	Degree
Plotkin and Swamy energy operator average energy	PSeo	Energetic	Degree
LF Power (Lomb-Scargle method)	LF Power	Energetic	Degree
Power Law Y-Intercept (LombScargle method)	PLY-I	Invariant	Complexity
Power Law Slope (LombScargle method)	PLS	Invariant	Complexity
Shannon entropy	shannEn	Informational	Complexity
Detrended Fluctuation Analysis Alpha 1	DFA α1	Invariant	Complexity
Scale dependent Lyapunov exponent slope	SDLEα	Invariant	Complexity
Embedding scaling exponent	eScaleE	Invariant	Complexity
Similarity index of the distributions	histSI	Informational	
Hjorth parameters: Complexity	H. Comp	Energetic	Complexity
MultiFractal spectrum cumulant of the second order	MF_c2	Invariant	Complexity
Form factor	formF	Statistical	Complexity
Recurrence Quantification Analysis: Shannon entropy of the diagonals	sedl	Geometric	Complexity
Recurrence Quantification Analysis: Shannon entropy of the vertical lines	sevl	Geometric	Complexity
MultiFractal spectrum cumulant of the first order	MF_c1	Invariant	Complexity
LF/HF ratio (Lomb-Scargle method)	LF/HF	Energetic	Degree