Table S3. Organ-specific fHVR inflammation signatures.*

Domain	Fetal Heart Rate Variability Measures	R**
	Terminal ileum inflammation signature	
Invariant	Higuchi scaling exponent, higu	0.76
Statistical	Mean of the differences, mDiff	0.87
Geometric	Second Dynamical Moment, DM2	0.79
Energetic	High frequency power	0.87
Invariant	Detrended fluctuation analysis: alpha	0.89
Statistical	Kurtosis	0.71
Statistical	Lee Parameter	0.77
Statistical	Interquartile Range	0.73
Statistical	Symbolic dynamics: percentage of 1 variations sequences, non-uniform case	0.73
Statistical	Standard deviation	8.0
Statistical	Coefficient of variation	8.0
Statistical	Symbolic dynamics: Shannon entropy, nonuniform case, SymDse_2	0.72
Geometric	Poincare plot: SD2	0.76
Informational	Allan factor distance from a Poisson distribution, aFdP	0.75
Informational	Shannon Entropy	0.88
Invariant	Embedded Scaling Exponent, eScaleE	0.71
Invariant	Detrended fluctuation analysis: area under the curve	0.71
Invariant	Embedded Scaling Exponent, eScaleE	0.78
	Brain inflammation signature	
Statistical	Lee Parameter	0.83
Statistical	Form factor	0.85
Geometric	RQA: percentage of determinism	0.85
Geometric	RQA: percentage of laminarity	0.85
Geometric	Second Dynamical Moment, DM2	0.85
Geometric	Poincare Plot: SD2	0.83
Geometric	Poincare Plot: CSI	0.85
Energetic	High frequency power	0.83
Informational	Index of variability distance from a poisson distribution	0.85
Informational	Similarity index of the distributions, histSI	0.89
Informational	Grid transformation feature: AND similarity index	0.85
Invariant	Detrended fluctuation analysis: alpha	0.93
Invariant	Higuchi scaling exponent, higu	0.9
Invariant	Detrended fluctuation analysis: alpha 1	0.93
Invariant	MultiFractal spectrum cumulant of the first order, MultiFractal_c1	0.83

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^{**} Spearman correlation coefficient, p < 0.01