

Sequence name	# of Delay-add	# of Impulses	Density (impulses/second)	SD	Tau	R ²
SS_400	0	8	6	0.067	5	1
C_400.16	1	16	12	0.047	13.31	0.372
C_400.24	2	24	15	0.028	16.67	0.0373
C_400.32	3	32	20	0.024	28.35	0.258
C_400.48	5	48	28	0.017	42.96	0.227
C_400.112	13	112	64	0.008	131.34	0.154
C_400.176	21	176	105	0.005	256.66	0.099
C_400.240	29	240	156	0.003	600	0.063
SS_200	0	8	12	0.033	5	1
C_200.16	1	16	24	0.022	12.53	0.401
C_200.24	2	24	30	0.013	20.41	0.352
C_200.32	3	32	40	0.011	26.19	0.296
C_200.48	5	48	56	0.009	50.83	0.190
C_200.112	13	112	128	0.003	187.14	0.124
C_200.176	21	176	210	0.0018	666.66	0.050
C_200.240	29	240	312	0.0012	1000	0.011

Table S3. Properties of *impulse sequences* that were selected for acoustic analyses, and perceptual assessments.