Supplementary materials

Sound 1: "da.wav" – standard and deviant sound [da], phonemic condition

Sound 2: "ta.wav" – standard and deviant sound [ta], phonemic condition

Sound 3: "ad.wav" – standard and deviant sound [ad], allophonic condition

Sound 4: "at.wav" – standard and deviant sound [at], allophonic condition

Sound 5: "mmn_dev_da.wav" – excerpt of multifeature MMN paradigm with [da] as the target deviant

Sound 6: "mmn_dev_ta.wav" – excerpt of multifeature MMN paradigm with [ta] as the target deviant

Sound 7: "mmn_dev_ad.wav" – excerpt of multifeature MMN paradigm with [ad] as the target deviant

Sound 8: "mmn_dev_at.wav" – excerpt of multifeature MMN paradigm with [at] as the target deviant

Tab. S1

Contrast	Cluster-level			Peak-level				Coordinates
	p_{FWE}	p_{UNC}	k	p_{FWE}	p_{UNC}	F	Z	x y ms
Phonemic [dæ]-[dæ]	< 0.001	< 0.001	34610	0.012	< 0.001	56.410	4.710	-40 -27 365
	0.003	0.002	15745	0.060	< 0.001	39.650	4.250	49 -30 323
				0.349	< 0.001	24.500	3.620	28 -25 290
	0.057	0.035	6050	0.279	< 0.001	26.370	3.720	-30 -22 216
				0.385	< 0.001	23.660	3.580	-45 -46 183
				0.447	< 0.001	22.370	3.510	-21 -22 179
Phonemic [tæ]-[tæ]	< 0.001	< 0.001	26793	0.108	< 0.001	33.380	4.030	-15 -52 122
	0.041	0.028	7581	0.151	< 0.001	30.540	3.910	45 -27 141
	0.037	0.025	7973	0.239	< 0.001	26.770	3.740	-23 45 132
				0.475	< 0.001	21.060	3.430	-40 40 97
				0.502	< 0.001	20.570	3.400	-21 32 164
Allophonic [æd]-[æd]				*n.s.*				
Allophonic [æt]-[æt]	0.001	0.001	19796	0.012	< 0.001	56.330	4.710	23 -22 167
				0.025	< 0.001	47.970	4.500	34 -22 106
	0.002	0.001	18781	0.097	< 0.001	35.030	4.090	-23 -25 106
				0.378	< 0.001	23.630	3.580	-23 -19 147

Table S1. Results of the SPMs of the individual conditions, i.e., testing the difference waves against 0. The x, y, z coordinates refer to the 3D SPM volumes visualized in Fig. 3 (and S3) where x and y express the lateral plane (left-right) and the frontal plane (front-back) of the 64 x 64 pixel array of the sensors, respectively, and z express the temporal dimension (0-400 ms).

Tab. S2

Contrast	Cluster-level			Peak-level				Coordinates
	p_{FWE}	p_{UNC}	k	p_{FWE}	p_{UNC}	F	Z	x y ms
Main effect of **Context**					*n.s.*			
Main effect of **Phoneme**	0.001	0.001	25918	0.005	< 0.001	31.460	4.760	-28 -54 121
				0.044	< 0.001	23.250	4.180	-19 -22 141
	0.004	0.003	18410	0.014	< 0.001	27.420	4.490	-32 48 133
Interaction effect of **Context* Phoneme**					*n.s.*			

Table S2: Results of the SPMs of the flexible factorial design with Context and Phoneme as factors. The x, y, z coordinates refer to the 3D SPM volumes visualized in Fig. 3 (and S3), see the caption for Table S1 for more details.
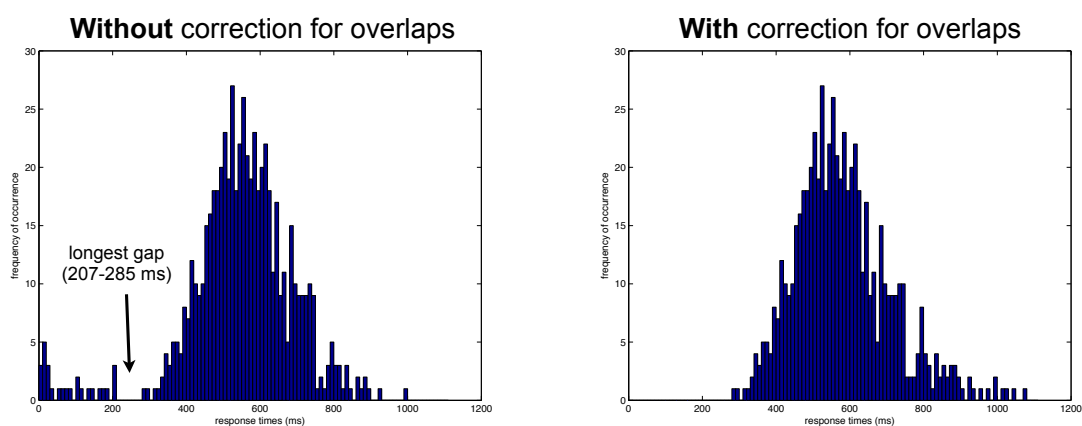
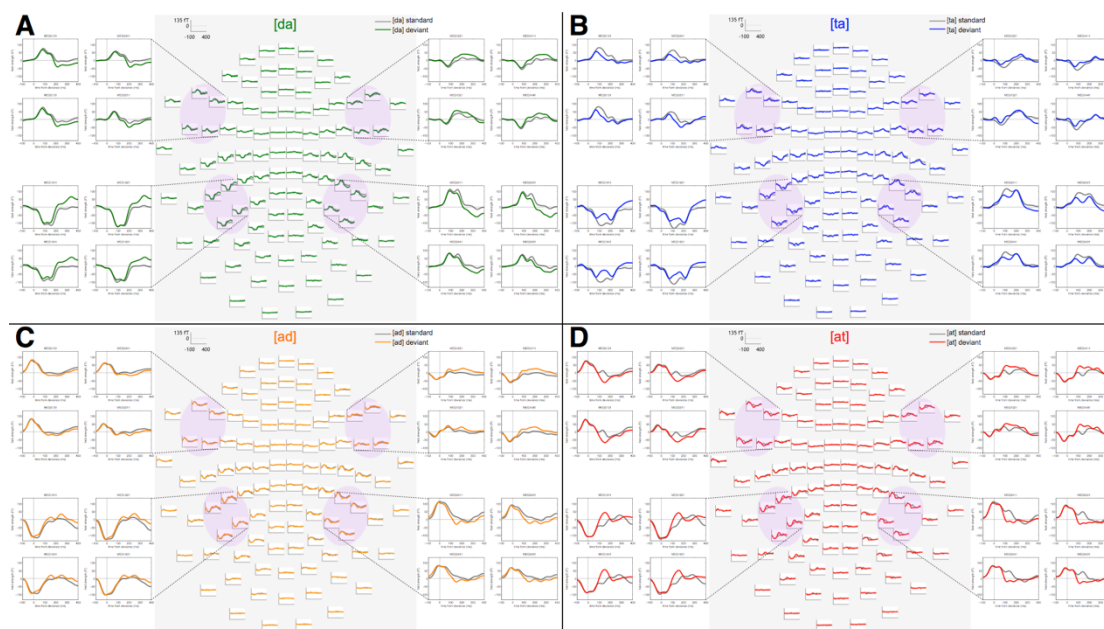**Figure S1.** Histograms of the RTs from the behavioral paradigm.

Figure S2: Full channel overview (of the magnetometers) for all four conditions (**A:** [da]; **B:** [ta]; **C:** [ad]; **D:** [at]). ERFs to the standard and the deviant. For each sensor site typically showing MMNm effects, four channels are highlighted: left anterior, left posterior, right anterior, and right posterior lateral sensor sites. Positive values reflect magnetic flux out of the scalp while negative values reflect magnetic flux into the scalp. Low-pass-filtered at 15 Hz for illustrative purposes.
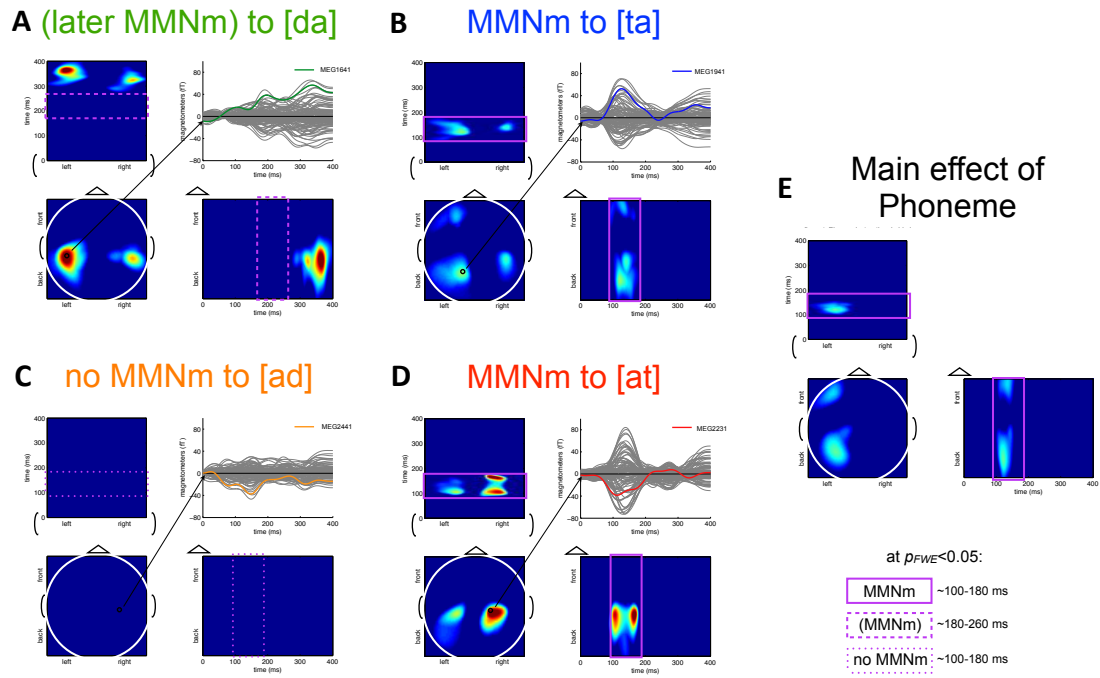
Figure S3. The SPMs of the four individual conditions and the flexible factorial analysis, thresholded at pFWE<0.05. See caption to figure 3 for more details.