

No.	Model	Incorrect Events	Incorrect Nonevents	Sensitivity	Specificity	Crossvalidation	
						Mean% correctly classified	SE % correctly classified
<b>1</b>	Intercept AEP: Detail level 2, coefficient 11 AEP: Detail level 2, coefficient 13 AEP: Detail level 2, coefficient 23 AEP: Detail level 2, coefficient 24 AEP: Detail level 2, coefficient 25 AEP: Detail level 2, coefficient 26 AEP: Detail level 2, coefficient 27 AEP: Detail level 3, coefficient 4 AEP: Detail level 3, coefficient 11 AEP: Detail level 4, coefficient 3 AEP: Detail level 4, coefficient 4 AEP: Detail level 4, coefficient 5 AEP: Detail level 4, coefficient 6 AEP: 1 <sup>st</sup> derivative: mean absolute amplitude EEG: Approximate entropy EEG: Kurtosis EEG: Skewness EEG: Median frequency 8-30 Hz	22	35	72.2	85.3	75.68	0.10
<b>1 red</b>	<b>Intercept</b> <b>AEP: Detail level 3, coefficient 11</b> <b>AEP: Detail level 4, coefficient 5</b> <b>EEG: Approximate entropy</b> <b>EEG: Median frequency 8-30 Hz</b>	24	31	75.4	84.0	79.61	0.08
<b>2</b>	Intercept AEP: Detail level 2, coefficient 11 AEP: Detail level 2, coefficient 13 AEP: Detail level 2, coefficient 23 AEP: Detail level 2, coefficient 24 AEP: Detail level 2, coefficient 25 AEP: Detail level 2, coefficient 26 AEP: Detail level 2, coefficient 27 AEP: Detail level 3, coefficient 4 AEP: Detail level 3, coefficient 11 AEP: Detail level 4, coefficient 3 AEP: Detail level 4, coefficient 4 AEP: Detail level 4, coefficient 5 AEP: Detail level 4, coefficient 6 AEP: 1 <sup>st</sup> derivative: mean absolute amplitude EEG: Shannon entropy EEG: Normed kurtosis EEG: Skewness EEG: Median frequency 8-30 Hz	23	48	61.9	84.7	73.03	0.10
<b>2 red</b>	Intercept AEP: Detail level 3, coefficient 11 AEP: Detail level 4, coefficient 5 EEG: Median frequency 8-30 Hz AEP: 1 <sup>st</sup> derivative: mean absolute amplitude	28	44	65.1	81.3	73.93	0.09

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<b>3</b>	Intercept AEP: Detail level 2, coefficient 11 AEP: Detail level 2, coefficient 13 AEP: Detail level 2, coefficient 23 AEP: Detail level 2, coefficient 24 AEP: Detail level 2, coefficient 25 AEP: Detail level 2, coefficient 26 AEP: Detail level 2, coefficient 27 AEP: Detail level 3, coefficient 4 AEP: Detail level 3, coefficient 11 AEP: Detail level 4, coefficient 3 AEP: Detail level 4, coefficient 4 AEP: Detail level 4, coefficient 5 AEP: Detail level 4, coefficient 6 AEP: 1 <sup>st</sup> derivative: mean absolute amplitude EEG: Spectral entropy EEG: Normed kurtosis EEG: Skewness EEG: Median frequency 8-30 Hz	23	48	61.9	84.7	72.99	0.10
<b>3 red</b>	Intercept AEP: Detail level 3, coefficient 11 AEP: Detail level 4, coefficient 5 Median frequency 8-30 H AEP: 1 <sup>st</sup> derivative: mean absolute amplitude	29	43	65.9	80.7	74.28	0.09
<b>4</b>	Intercept AEP: Detail level 2, coefficient 11 AEP: Detail level 2, coefficient 13 AEP: Detail level 2, coefficient 23 AEP: Detail level 2, coefficient 24 AEP: Detail level 2, coefficient 25 AEP: Detail level 2, coefficient 26 AEP: Detail level 2, coefficient 27 AEP: Detail level 3, coefficient 4 AEP: Detail level 3, coefficient 11 AEP: Detail level 4, coefficient 3 AEP: Detail level 4, coefficient 4 AEP: Detail level 4, coefficient 5 AEP: Detail level 4, coefficient 6 AEP: 1 <sup>st</sup> derivative: mean absolute amplitude EEG: 2 <sup>nd</sup> derivative: mean absolute amplitude EEG: Kurtosis EEG: Skewness EEG: Median frequency 8-30 Hz	23	45	64.3	84.7	72.80	0.11
<b>4 red</b>	Intercept AEP: Detail level 3, coefficient 11 AEP: Detail level 4, coefficient 5 EEG: Median frequency 8-30 Hz AEP: 1 <sup>st</sup> derivative: mean absolute amplitude	29	43	65.9	80.7	74.28	0.09

No.	Model	Incorrect Events	Incorrect Nonevents	Sensitivity	Specificity	Crossvalidation	
						Mean% correctly classified	SE % correctly classified
<b>5</b>	Intercept AEP: Detail level 2, coefficient 11 AEP: Detail level 2, coefficient 13 AEP: Detail level 2, coefficient 23 AEP: Detail level 2, coefficient 24 AEP: Detail level 2, coefficient 25 AEP: Detail level 2, coefficient 26 AEP: Detail level 2, coefficient 27 AEP: Detail level 3, coefficient 4 AEP: Detail level 3, coefficient 11 AEP: Detail level 4, coefficient 3 AEP: Detail level 4, coefficient 4 AEP: Detail level 4, coefficient 5 AEP: Detail level 4, coefficient 6 AEP: 1 <sup>st</sup> derivative: mean absolute amplitude EEG: Root mean square EEG: Kurtosis EEG: Skewness EEG: Median frequency 8-30 Hz	23	44	65.1	84.7	72.76	0.10
<b>5 red</b>	Intercept AEP: Detail level 3, coefficient 11 AEP: Detail level 4, coefficient 5 EEG: Median frequency 8-30 Hz AEP: 1 <sup>st</sup> derivative: mean absolute amplitude	29	43	65.9	80.7	74.28	0.09
<b>6</b>	Intercept AEP: Detail level 2, coefficient 11 AEP: Detail level 2, coefficient 13 AEP: Detail level 2, coefficient 23 AEP: Detail level 2, coefficient 24 AEP: Detail level 2, coefficient 25 AEP: Detail level 2, coefficient 26 AEP: Detail level 2, coefficient 27 AEP: Detail level 3, coefficient 4 AEP: Detail level 3, coefficient 11 AEP: Detail level 4, coefficient 3 AEP: Detail level 4, coefficient 4 AEP: Detail level 4, coefficient 5 AEP: Detail level 4, coefficient 6 AEP: Mean absolute amplitude EEG: Shannon entropy EEG: Normed kurtosis EEG: Skewness EEG: Median frequency 8-30 Hz	23	44	65.1	84.7	72.84	0.10
<b>6 red</b>	Intercept AEP: Detail level 3, coefficient 11 AEP: Detail level 4, coefficient 5 EEG: Median frequency 8-30 Hz AEP: 1 <sup>st</sup> derivative: mean absolute amplitude	27	41	67.5	82.0	74.28	0.09

No.	Model	Incorrect Events	Incorrect Nonevents	Sensitivity	Specificity	Crossvalidation	
						Mean% correctly classified	SE % correctly classified
7	Intercept AEP: Detail level 2, coefficient 11 AEP: Detail level 2, coefficient 13 AEP: Detail level 2, coefficient 23 AEP: Detail level 2, coefficient 24 AEP: Detail level 2, coefficient 25 AEP: Detail level 2, coefficient 26 AEP: Detail level 2, coefficient 27 AEP: Detail level 3, coefficient 4 AEP: Detail level 3, coefficient 11 AEP: Detail level 4, coefficient 3 AEP: Detail level 4, coefficient 4 AEP: Detail level 4, coefficient 5 AEP: Detail level 4, coefficient 6 AEP: Morphology EEG: Approximate entropy EEG: Normed kurtosis EEG: Skewness EEG: Median frequency 8-30 Hz	23	38	69.8	84.7	75.51	0.10
7 red	Intercept AEP: Detail level 3, coefficient 11 AEP: Detail level 4, coefficient 5 EEG: Median frequency 8-30 Hz EEG: Approximate entropy	24	31	75.4	84.0	79.61	0.08
8	Intercept AEP: Detail level 2, coefficient 11 AEP: Detail level 2, coefficient 13 AEP: Detail level 2, coefficient 23 AEP: Detail level 2, coefficient 24 AEP: Detail level 2, coefficient 25 AEP: Detail level 2, coefficient 26 AEP: Detail level 2, coefficient 27 AEP: Detail level 3, coefficient 4 AEP: Detail level 3, coefficient 11 AEP: Detail level 4, coefficient 3 AEP: Detail level 4, coefficient 4 AEP: Detail level 4, coefficient 5 AEP: Detail level 4, coefficient 6 AEP: Mean absolute amplitude EEG: Approximate entropy EEG: Kurtosis EEG: Skewness EEG: Median frequency 8-30 Hz	23	36	71.4	84.7	75.68	0.11
8 red	Intercept AEP: Detail level 3, coefficient 11 AEP: Detail level 4, coefficient 5 EEG: Median frequency 8-30 Hz EEG: Approximate entropy	24	31	75.4	84.0	79.61	0.08

No.	Model	Incorrect Events	Incorrect Nonevents	Sensitivity	Specificity	Crossvalidation	
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9	Intercept AEP: Detail level 2, coefficient 11 AEP: Detail level 2, coefficient 13 AEP: Detail level 2, coefficient 23 AEP: Detail level 2, coefficient 24 AEP: Detail level 2, coefficient 25 AEP: Detail level 2, coefficient 26 AEP: Detail level 2, coefficient 27 AEP: Detail level 3, coefficient 4 AEP: Detail level 3, coefficient 11 AEP: Detail level 4, coefficient 3 AEP: Detail level 4, coefficient 4 AEP: Detail level 4, coefficient 5 AEP: Detail level 4, coefficient 6 AEP: Signal energy EEG: Approximate entropy EEG: Kurtosis EEG: Skewness EEG: Median frequency 8-30 Hz	23	36	71.4	84.7	75.71	0.10
9 red	Intercept AEP: Detail level 3, coefficient 11 AEP: Detail level 4, coefficient 5 EEG: Median frequency 8-30 Hz EEG: Approximate entropy	24	31	75.4	84.0	79.61	0.08
10	Intercept AEP: Detail level 2, coefficient 11 AEP: Detail level 2, coefficient 13 AEP: Detail level 2, coefficient 23 AEP: Detail level 2, coefficient 24 AEP: Detail level 2, coefficient 25 AEP: Detail level 2, coefficient 26 AEP: Detail level 2, coefficient 27 AEP: Detail level 3, coefficient 4 AEP: Detail level 3, coefficient 11 AEP: Detail level 4, coefficient 3 AEP: Detail level 4, coefficient 4 AEP: Detail level 4, coefficient 5 AEP: Detail level 4, coefficient 6 AEP: 1 <sup>st</sup> derivative: mean absolute amplitude EEG: Approximate entropy EEG: Kurtosis EEG: Skewness EEG: Median frequency 8-30 Hz	23	36	71.4	84.7	75.73	0.11
10 red	Intercept AEP: Detail level 3, coefficient 11 AEP: Detail level 4, coefficient 5 EEG: Median frequency 8-30 Hz EEG: Approximate entropy	24	31	75.4	84.0	79.61	0.08

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						Mean% correctly classified	SE % correctly classified
<b>11</b>	Intercept AEP: Detail level 2, coefficient 11 AEP: Detail level 2, coefficient 13 AEP: Detail level 2, coefficient 23 AEP: Detail level 2, coefficient 24 AEP: Detail level 2, coefficient 25 AEP: Detail level 2, coefficient 26 AEP: Detail level 2, coefficient 27 AEP: Detail level 3, coefficient 4 AEP: Detail level 3, coefficient 11 AEP: Detail level 4, coefficient 3 AEP: Detail level 4, coefficient 4 AEP: Detail level 4, coefficient 5 AEP: Detail level 4, coefficient 6 AEP: 2 <sup>nd</sup> derivative: mean absolute amplitude EEG: Approximate entropy EEG: Kurtosis EEG: Skewness EEG: Median frequency 8-30 Hz	23	36	71.4	84.7	75.71	0.10
<b>11 red</b>	Intercept AEP: Detail level 3, coefficient 11 AEP: Detail level 4, coefficient 5 EEG: Median frequency 8-30 Hz EEG: Approximate entropy	24	31	75.4	84.0	79.61	0.08
<b>12</b>	Intercept AEP: Detail level 2, coefficient 11 AEP: Detail level 2, coefficient 13 AEP: Detail level 2, coefficient 23 AEP: Detail level 2, coefficient 24 AEP: Detail level 2, coefficient 25 AEP: Detail level 2, coefficient 26 AEP: Detail level 2, coefficient 27 AEP: Detail level 3, coefficient 4 AEP: Detail level 3, coefficient 11 AEP: Detail level 4, coefficient 3 AEP: Detail level 4, coefficient 4 AEP: Detail level 4, coefficient 5 AEP: Detail level 4, coefficient 6 AEP: Morphology EEG: Approximate entropy EEG: Kurtosis EEG: Skewness EEG: Median frequency 8-30 Hz	23	36	71.4	84.7	75.62	0.10
<b>12 red</b>	Intercept AEP: Detail level 3, coefficient 11 AEP: Detail level 4, coefficient 5 EEG: Median frequency 8-30 Hz EEG: Approximate entropy	24	31	75.4	84.0	79.61	0.08

The table shows misclassifications, sensitivity, specificity and results of the crossvalidation for the best 12 full models and the results of the variable selection (red: best minimal model, model 1: best full model).