Supplementary Table 1. Selected feature sets of participant SB resulting in the highest classification accuracy for each of the analysis window sizes. Each feature set consisted of three features separated with dash lines in the table. When several feature sets result in the identical classification accuracy, all of them were listed at the same time. The highest accuracy is printed in bold.

| Analysis window size | Selected Feature List | | | | | | | | | | | | | | | Accuracy |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2sec | $T7_{37}$ | $T8_{43}$ | $Cz_{43}/Oz_{43}$ | $Cz_{43}$ | $T7_{43}$ | $T7_{37}/T8_{37}$ | $Cz_{43}$ | $T7_{43}$ | $Cz_{37}/Cz_{43}$ | $T7_{43}$ | $Oz_{43}$ | $Cz_{37}/T7_{37}$ | $T7_{43}$ | $Cz_{43}/Oz_{43}$ | $T7_{37}/T7_{43}$ | 66% |
| 3sec | $T7_{43}$ | $Oz_{43}$ | $Cz_{43}/Oz_{43}$ | | | | | | | | | | | | | 66% |
| 4sec | $T8_{37}$ | $T8_{43}$ | $T7_{43}/T8_{43}$ | $Oz_{37}$ | $T8_{43}$ | $Cz_{37}/T7_{37}$ | $Oz_{37}$ | $T8_{43}$ | $Oz_{37}/Oz_{43}$ | $T8_{43}$ | $Oz_{43}$ | $T8_{37}/T8_{43}$ | | | | 70% |
| 5sec | $Oz_{37}$ | $Cz_{43}$ | $Cz_{43}/Oz_{43}$ | | | | | | | | | | | | | 68% |
| 6sec | $Oz_{37}$ | $Cz_{43}$ | $Oz_{43}$ | | | | | | | | | | | | | 74% |
| 7sec | $T7_{37}$ | $T8_{37}$ | $Cz_{43}$ | $T8_{37}$ | $Cz_{43}$ | $T7_{43}$ | $T8_{37}$ | $Cz_{43}$ | $Oz_{43}$ | $T8_{37}$ | $Cz_{43}$ | $Cz_{37}/Oz_{37}$ | $T8_{37}$ | $Cz_{43}$ | $T8_{37}/Oz_{37}$ | 74% |
| | $T8_{37}$ | $Cz_{37}/T7_{37}$ | $T8_{37}/Oz_{37}$ | $T8_{37}$ | $Cz_{37}/T8_{37}$ | $T8_{37}/T8_{43}$ | $T8_{37}$ | $Cz_{43}/T7_{43}$ | $T7_{37}/T7_{43}$ | $T8_{37}$ | $Cz_{43}/T8_{43}$ | $T8_{43}/Oz_{43}$ | $T8_{37}$ | $T7_{43}/T8_{43}$ | $Cz_{37}/Cz_{43}$ | |
| | $T8_{37}$ | $T7_{43}/Oz_{43}$ | $Oz_{37}/Oz_{43}$ | $Cz_{43}$ | $T7_{43}/Oz_{43}$ | $T8_{37}/T8_{43}$ | $T8_{37}$ | $Cz_{43}$ | $T7_{43}/Oz_{43}$ | $T8_{37}$ | $T7_{43}/T8_{43}$ | $T7_{37}/T7_{43}$ | | | | |
| 8sec | $Cz_{37}$ | $T8_{37}$ | $T7_{43}$ | $T7_{37}$ | $T8_{37}$ | $Cz_{37}/T8_{37}$ | $T7_{37}$ | $T8_{37}$ | $T7_{37}/T8_{37}$ | | | | | | | 80% |
| 9sec | $Cz_{37}$ | $Cz_{43}$ | $T7_{43}$ | $Cz_{37}$ | $Cz_{43}$ | $Cz_{37}/T7_{37}$ | $Cz_{37}$ | $Cz_{43}$ | $Cz_{37}/Oz_{37}$ | $Cz_{37}$ | $Cz_{43}$ | $T7_{43}/Oz_{43}$ | $Cz_{37}$ | $Cz_{43}$ | $T8_{43}/Oz_{43}$ | 78% |
| | $T8_{37}$ | $T7_{43}$ | $T8_{43}$ | $T7_{37}$ | $T8_{37}$ | $Oz_{37}$ | | | | | | | | | | |
| 10sec | $T7_{37}$ | $T8_{37}$ | $T7_{37}/T7_{43}$ | | | | | | | | | | | | | 82% |
| 11sec | $Cz_{37}$ | $T7_{37}$ | $T8_{37}$ | $T7_{37}$ | $T8_{37}$ | $T7_{43}$ | | | | | | | | | | 84% |
| 12sec | $Cz_{37}$ | $T7_{37}$ | $Cz_{43}$ | | | | | | | | | | | | | 84% |
| 13sec | $Cz_{37}$ | $T7_{37}$ | $Cz_{43}$ | | | | | | | | | | | | | **92%** |
| 14sec | $Cz_{37}$ | $T7_{37}$ | $Cz_{43}$ | | | | | | | | | | | | | 86% |
| 15sec | $Cz_{37}$ | $T7_{37}$ | $Cz_{37}/T8_{37}$ | $Cz_{37}$ | $T7_{37}$ | $T8_{43}/Oz_{43}$ | | | | | | | | | | 86% |
| 16sec | $Cz_{37}$ | $Cz_{43}$ | $Oz_{43}$ | $Cz_{37}$ | $Cz_{43}$ | $Cz_{37}/T8_{37}$ | $Cz_{37}$ | $Cz_{43}$ | $Cz_{37}/Oz_{37}$ | $Cz_{37}$ | $Cz_{43}$ | $T7_{37}/Oz_{37}$ | $Cz_{37}$ | $Cz_{43}$ | $T8_{37}/Oz_{37}$ | 86% |
| | $Cz_{37}$ | $Cz_{43}$ | $Cz_{43}/Oz_{43}$ | $Cz_{37}$ | $Cz_{43}$ | $T7_{43}/T8_{43}$ | $Cz_{37}$ | $Cz_{43}$ | $T7_{43}/Oz_{43}$ | $Cz_{37}$ | $Cz_{43}$ | $Cz_{37}/Cz_{43}$ | $Cz_{37}$ | $Cz_{43}$ | $T7_{37}/T7_{43}$ | |
| | $Cz_{37}$ | $Cz_{43}$ | $Oz_{37}/Oz_{43}$ | $Cz_{43}$ | $Cz_{37}/T7_{37}$ | $Cz_{37}/Oz_{37}$ | $Cz_{43}$ | $Cz_{37}/T7_{37}$ | $Cz_{43}/Oz_{43}$ | $Cz_{43}$ | $Cz_{37}/T7_{37}$ | $T7_{37}/T7_{43}$ | $Cz_{43}$ | $Cz_{37}/T8_{37}$ | $T7_{37}/Oz_{37}$ | |
| | $Cz_{43}$ | $Cz_{37}/T8_{37}$ | $T8_{43}/Oz_{43}$ | $Cz_{43}$ | $Cz_{37}/Oz_{37}$ | $T8_{37}/Oz_{37}$ | $Cz_{43}$ | $T7_{43}/T8_{43}$ | $T8_{43}/Oz_{43}$ | $Cz_{43}$ | $T7_{37}/T8_{37}$ | $Cz_{43}/T8_{43}$ | $Cz_{43}$ | $T7_{37}/T8_{37}$ | $Oz_{37}/Oz_{43}$ | |
| | $Cz_{43}$ | $T8_{37}/Oz_{37}$ | $Cz_{43}/Oz_{43}$ | $Cz_{43}$ | $T8_{37}/Oz_{37}$ | $Oz_{37}/Oz_{43}$ | $Cz_{43}$ | $Cz_{43}/T7_{43}$ | $T7_{37}/T7_{43}$ | $Cz_{43}$ | $Cz_{43}/Oz_{43}$ | $T8_{43}/Oz_{43}$ | $Cz_{43}$ | $Cz_{43}/Oz_{43}$ | $T8_{37}/T8_{43}$ | |
| | $Cz_{43}$ | $T7_{37}/T7_{43}$ | $Oz_{37}/Oz_{43}$ | $Cz_{37}$ | $Cz_{43}$ | $Cz_{43}/T8_{43}$ | $Cz_{37}$ | $Cz_{43}$ | $T8_{37}/T8_{43}$ | $Cz_{43}$ | $Cz_{37}/T8_{37}$ | $T7_{43}/T8_{43}$ | $Cz_{43}$ | $T7_{37}/Oz_{37}$ | $Cz_{43}/Oz_{43}$ | |
| | $Cz_{43}$ | $T7_{43}/Oz_{43}$ | $Cz_{37}/Cz_{43}$ | | | | | | | | | | | | | |
| 17sec | $Cz_{37}$ | $T7_{43}$ | $T8_{43}$ | | | | | | | | | | | | | 88% |
| 18sec | $Cz_{37}$ | $T7_{43}$ | $T8_{43}$ | | | | | | | | | | | | | 90% |
| 19sec | $Cz_{37}$ | $T7_{43}$ | $T8_{43}$ | | | | | | | | | | | | | 84% |
| 20sec | $Cz_{37}$ | $Cz_{43}$ | $T8_{43}$ | $Cz_{37}$ | $T8_{43}$ | $Cz_{37}/T8_{37}$ | $Cz_{37}$ | $T8_{43}$ | $T7_{37}/T8_{37}$ | $Cz_{37}$ | $T8_{43}$ | $T7_{37}/Oz_{37}$ | $Cz_{37}$ | $T8_{43}$ | $Cz_{43}/T8_{43}$ | 88% |
| | $Cz_{37}$ | $T8_{43}$ | $Oz_{37}/Oz_{43}$ | $Cz_{37}$ | $T8_{43}$ | $T7_{37}/T7_{43}$ | | | | | | | | | | |

Supplementary Table 2. Selected feature sets of participant TK resulting in the highest classification accuracy for each of the analysis window sizes. Each feature set consisted of three features separated with dash lines in the table. When several feature sets result in the identical classification accuracy, all of them were listed at the same time. The highest accuracy is printed in bold.

| Analysis window size | Selected Feature List | | | | | | | | | | | | | | | Accuracy |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2sec | $Cz_{43}$ | $Oz_{43}$ | $Cz_{37}/T8_{37}$ | $Cz_{43}$ | $Oz_{43}$ | $T7_{37}/Oz_{37}$ | $Cz_{43}$ | $Oz_{43}$ | $Cz_{43}/T7_{43}$ | $Cz_{43}$ | $Oz_{43}$ | $T7_{43}/T8_{43}$ | $Cz_{43}$ | $Oz_{43}$ | $T7_{37}/T7_{43}$ | 64% |
| 3sec | $Cz_{37}$ | $T7_{37}$ | $Cz_{43}/T7_{43}$ | $Cz_{37}$ | $T7_{37}$ | $Cz_{43}/Oz_{43}$ | $T7_{37}$ | $Cz_{43}$ | $T7_{37}/Oz_{37}$ | | | | | | | 64% |
| 4sec | $Cz_{37}$ | $T7_{37}$ | $T8_{37}/T8_{43}$ | $Cz_{43}$ | $T7_{43}$ | $T7_{43}/T8_{43}$ | | | | | | | | | | 68% |
| 5sec | $Cz_{37}$ | $Oz_{37}$ | $Oz_{43}$ | $T7_{37}$ | $Oz_{43}$ | $Cz_{37}/Oz_{37}$ | $T7_{37}$ | $Oz_{43}$ | $T7_{37}/Oz_{37}$ | | | | | | | 70% |
| 6sec | $Oz_{37}$ | $T7_{43}$ | $T8_{43}/Oz_{43}$ | | | | | | | | | | | | | 78% |
| 7sec | $Cz_{43}$ | $T7_{43}$ | $Cz_{43}/T7_{43}$ | $Cz_{43}$ | $T7_{43}$ | $T7_{43}/T8_{43}$ | $Cz_{43}$ | $T7_{43}$ | $T8_{37}/T8_{43}$ | | | | | | | 74% |
| 8sec | $T7_{37}$ | $Oz_{43}$ | $T8_{37}/Oz_{37}$ | $T7_{37}$ | $Oz_{43}$ | $T7_{43}/Oz_{43}$ | | | | | | | | | | 74% |
| 9sec | $T7_{37}$ | $Cz_{43}$ | $Oz_{43}$ | | | | | | | | | | | | | 80% |
| 10sec | $Oz_{37}$ | $Cz_{43}$ | $Cz_{37}/T8_{37}$ | $Oz_{37}$ | $Cz_{43}$ | $T8_{37}/Oz_{37}$ | | | | | | | | | | 84% |
| 11sec | $T7_{37}$ | $Cz_{43}$ | $Oz_{43}$ | $Oz_{37}$ | $Cz_{43}$ | $Cz_{37}/T8_{37}$ | $Oz_{37}$ | $Cz_{43}$ | $Cz_{37}/Oz_{37}$ | $Oz_{37}$ | $Cz_{43}$ | $T7_{37}/T8_{37}$ | $Oz_{37}$ | $Cz_{43}$ | $T7_{37}/Oz_{37}$ | 82% |
| | $Oz_{37}$ | $Cz_{43}$ | $Cz_{43}/T8_{43}$ | $Oz_{37}$ | $Cz_{43}$ | $Cz_{37}/Cz_{43}$ | | | | | | | | | | |
| 12sec | $T7_{37}$ | $Cz_{43}$ | $Oz_{43}$ | $T7_{37}$ | $Cz_{43}$ | $Cz_{43}/Oz_{43}$ | | | | | | | | | | 84% |
| 13sec | $T7_{37}$ | $Cz_{43}$ | $Oz_{43}$ | | | | | | | | | | | | | 84% |
| 14sec | $Cz_{37}$ | $Cz_{43}$ | $T7_{43}$ | | | | | | | | | | | | | 82% |
| 15sec | $Cz_{37}$ | $T7_{37}$ | $Cz_{43}$ | | | | | | | | | | | | | 84% |
| 16sec | $Cz_{37}$ | $Cz_{43}$ | $T7_{37}/T8_{37}$ | $Cz_{37}$ | $Cz_{43}$ | $T7_{43}/Oz_{43}$ | $Cz_{37}$ | $Cz_{43}$ | $Cz_{37}/Cz_{43}$ | $Cz_{37}$ | $Cz_{43}$ | $T7_{37}/T7_{43}$ | $Cz_{37}$ | $Cz_{43}$ | $T8_{37}/T8_{43}$ | 82% |
| | $Cz_{37}$ | $Cz_{43}$ | $Oz_{37}/Oz_{43}$ | $T7_{37}$ | $Cz_{43}$ | $Oz_{43}$ | | | | | | | | | | |
| 17sec | $Cz_{37}$ | $T7_{37}$ | $Oz_{43}$ | | | | | | | | | | | | | 84% |
| 18sec | $T7_{37}$ | $Cz_{43}$ | $Oz_{43}$ | $Oz_{37}$ | $Cz_{43}$ | $Cz_{37}/T7_{37}$ | $Oz_{37}$ | $Cz_{43}$ | $Cz_{37}/T8_{37}$ | $Oz_{37}$ | $Cz_{43}$ | $T7_{37}/Oz_{37}$ | $Oz_{37}$ | $Cz_{43}$ | $T8_{37}/Oz_{37}$ | 84% |
| | $Oz_{37}$ | $Cz_{43}$ | $Cz_{43}/T7_{43}$ | $Oz_{37}$ | $Cz_{43}$ | $T7_{43}/Oz_{43}$ | $Oz_{37}$ | $Cz_{43}$ | $Cz_{37}/Cz_{43}$ | $Oz_{37}$ | $Cz_{43}$ | $T7_{37}/T7_{43}$ | $Oz_{37}$ | $Cz_{43}$ | $T8_{37}/T8_{43}$ | |
| 19sec | $T7_{37}$ | $Oz_{37}$ | $Cz_{43}$ | $T7_{37}$ | $Oz_{37}$ | $T7_{37}/Oz_{37}$ | $T7_{37}$ | $Oz_{37}$ | $Cz_{43}/Oz_{43}$ | $T7_{37}$ | $Oz_{37}$ | $T7_{43}/T8_{43}$ | $T7_{37}$ | $Oz_{37}$ | $T8_{43}/Oz_{43}$ | 80% |
| | $T7_{37}$ | $Oz_{37}$ | $T7_{37}/T7_{43}$ | $T7_{37}$ | $Oz_{37}$ | $T8_{37}/T8_{43}$ | $Oz_{37}$ | $Cz_{43}$ | $T8_{37}/Oz_{37}$ | $Oz_{37}$ | $Cz_{43}$ | $T7_{37}/T7_{43}$ | | | | |
| 20sec | $T7_{37}$ | $Oz_{37}$ | $Cz_{43}$ | | | | | | | | | | | | | **86%** |

Supplementary Table 3. Selected feature sets of participant HL resulting in the highest classification accuracy for each of the analysis window sizes. Each feature set consisted of three features separated with dash lines in the table. When several feature sets result in the identical classification accuracy, all of them were listed at the same time. The highest accuracy is printed in bold.

| Analysis window size | Selected Feature List | | | | | | | | | | | | | | | Accuracy |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2sec | $T7_{37}/Oz_{37}$ | $Cz_{43}/T7_{43}$ | $Cz_{43}/T8_{43}$ | $T7_{37}/Oz_{37}$ | $Cz_{43}/T7_{43}$ | $Oz_{37}/Oz_{43}$ | $T7_{37}/Oz_{37}$ | $T7_{37}/T7_{43}$ | $T8_{37}/T8_{43}$ | | | | | | | 66% |
| 3sec | $Cz_{43}$ | $Cz_{37}/T7_{37}$ | $Cz_{37}/Oz_{37}$ | $Cz_{43}$ | $Cz_{37}/T7_{37}$ | $T7_{43}/T8_{43}$ | $Cz_{43}$ | $Cz_{37}/T7_{37}$ | $T7_{37}/T7_{43}$ | $Cz_{43}$ | $Cz_{37}/T8_{37}$ | $T7_{43}/T8_{43}$ | $Cz_{43}$ | $Cz_{37}/T8_{37}$ | $T7_{43}/Oz_{43}$ | 66% |
| | $Cz_{43}$ | $Cz_{37}/T8_{37}$ | $T7_{37}/T7_{43}$ | $Cz_{43}$ | $Cz_{37}/T8_{37}$ | $T8_{37}/T8_{43}$ | $Cz_{43}$ | $Cz_{37}/T8_{37}$ | $Oz_{37}/Oz_{43}$ | $Cz_{43}$ | $Cz_{37}/Oz_{37}$ | $T7_{37}/Oz_{37}$ | $Cz_{43}$ | $Cz_{37}/Oz_{37}$ | $Cz_{43}/T8_{43}$ | |
| | $Cz_{43}$ | $Cz_{37}/Oz_{37}$ | $T7_{37}/T7_{43}$ | $Cz_{43}$ | $T7_{37}/T8_{37}$ | $T7_{37}/Oz_{37}$ | $Cz_{43}$ | $T7_{37}/T8_{37}$ | $Oz_{37}/Oz_{43}$ | $Cz_{43}$ | $T7_{37}/Oz_{37}$ | $Cz_{37}/Cz_{43}$ | $Cz_{43}$ | $T8_{37}/Oz_{37}$ | $Cz_{43}/T7_{43}$ | |
| | $Cz_{43}$ | $T8_{37}/Oz_{37}$ | $Cz_{43}/T8_{43}$ | $Cz_{43}$ | $T8_{37}/Oz_{37}$ | $Cz_{43}/Oz_{43}$ | $Cz_{43}$ | $T8_{37}/Oz_{37}$ | $T8_{43}/Oz_{43}$ | $Cz_{43}$ | $T8_{37}/Oz_{37}$ | $T7_{37}/T7_{43}$ | $Cz_{43}$ | $Cz_{43}/T7_{43}$ | $Cz_{43}/Oz_{43}$ | |
| | $Cz_{43}$ | $Cz_{43}/T7_{43}$ | $T8_{43}/Oz_{43}$ | $Cz_{43}$ | $Cz_{43}/T8_{43}$ | $Cz_{37}/Cz_{43}$ | $Cz_{43}$ | $Cz_{43}/T8_{43}$ | $T8_{37}/T8_{43}$ | $Cz_{43}$ | $Cz_{43}/Oz_{43}$ | $Cz_{37}/Cz_{43}$ | $Cz_{43}$ | $Cz_{43}/Oz_{43}$ | $T7_{37}/T7_{43}$ | |
| | $Cz_{43}$ | $T7_{43}/T8_{43}$ | $T8_{43}/Oz_{43}$ | $Cz_{43}$ | $T7_{43}/Oz_{43}$ | $T8_{43}/Oz_{43}$ | $Cz_{43}$ | $T7_{43}/Oz_{43}$ | $T8_{37}/T8_{43}$ | $Cz_{43}$ | $T8_{43}/Oz_{43}$ | $T8_{37}/T8_{43}$ | $Cz_{43}$ | $T8_{43}/Oz_{43}$ | $Oz_{37}/Oz_{43}$ | |
| | $Cz_{37}/Oz_{37}$ | $Cz_{43}/T7_{43}$ | $Cz_{43}/T8_{43}$ | $Cz_{37}/Oz_{37}$ | $Cz_{43}/T8_{43}$ | $T8_{37}/T8_{43}$ | | | | | | | | | | |
| 4sec | $Oz_{37}$ | $Oz_{43}$ | $Cz_{43}/Oz_{43}$ | $Oz_{37}$ | $Oz_{43}$ | $Oz_{37}/Oz_{43}$ | | | | | | | | | | 72% |
| 5sec | $Oz_{37}$ | $Oz_{43}$ | $T7_{43}/T8_{43}$ | | | | | | | | | | | | | 74% |
| 6sec | $Oz_{43}$ | $Cz_{37}/T8_{37}$ | $T8_{43}/Oz_{43}$ | | | | | | | | | | | | | 72% |
| 7sec | $Oz_{37}$ | $Cz_{43}$ | $Cz_{37}/T8_{37}$ | $Oz_{37}$ | $Cz_{43}$ | $T8_{43}/Oz_{43}$ | $Oz_{37}$ | $Cz_{43}$ | $Cz_{37}/Cz_{43}$ | | | | | | | 76% |
| 8sec | $T7_{43}$ | $T7_{37}/T8_{37}$ | $Cz_{43}/T8_{43}$ | $T7_{43}$ | $T7_{37}/Oz_{37}$ | $Cz_{43}/T7_{43}$ | $T7_{43}$ | $T7_{37}/Oz_{37}$ | $T7_{43}/T8_{43}$ | $T7_{43}$ | $T8_{43}/Oz_{43}$ | $T8_{37}/T8_{43}$ | | | | 70% |
| 9sec | $T8_{37}$ | $T7_{43}$ | $Oz_{43}$ | | | | | | | | | | | | | 78% |
| 10sec | $Cz_{37}$ | $Oz_{43}$ | $Cz_{37}/Oz_{37}$ | $Cz_{37}$ | $Oz_{43}$ | $Cz_{43}/Oz_{43}$ | $Cz_{37}$ | $Oz_{43}$ | $T8_{43}/Oz_{43}$ | $Cz_{37}$ | $Oz_{43}$ | $Oz_{37}/Oz_{43}$ | $Oz_{37}$ | $Cz_{43}$ | $Oz_{43}$ | 74% |
| 11sec | $Cz_{37}$ | $Cz_{43}$ | $Oz_{43}$ | | | | | | | | | | | | | 76% |
| 12sec | $Cz_{37}$ | $Oz_{37}$ | $T7_{43}$ | $Oz_{37}$ | $Oz_{43}$ | $T7_{43}/Oz_{43}$ | $T7_{43}$ | $Oz_{43}$ | $T7_{37}/Oz_{37}$ | $T7_{43}$ | $Oz_{43}$ | $T7_{43}/Oz_{43}$ | | | | 74% |
| 13sec | $Cz_{37}$ | $Oz_{37}$ | $Oz_{43}$ | $Cz_{37}$ | $Cz_{43}$ | $Oz_{43}$ | $Cz_{43}$ | $Oz_{43}$ | $Cz_{43}/T7_{43}$ | | | | | | | **80%** |
| 14sec | $Cz_{43}$ | $Oz_{43}$ | $T7_{37}/Oz_{37}$ | $T7_{43}$ | $Cz_{43}/T7_{43}$ | $T7_{43}/T8_{43}$ | | | | | | | | | | 74% |
| 15sec | $Cz_{37}$ | $Oz_{43}$ | $T8_{37}/T8_{43}$ | | | | | | | | | | | | | 78% |
| 16sec | $T8_{37}$ | $Oz_{37}$ | $Cz_{43}$ | $T8_{37}$ | $Oz_{37}$ | $Cz_{37}/T7_{37}$ | $T8_{37}$ | $Oz_{37}$ | $T7_{37}/T8_{37}$ | $T8_{37}$ | $Oz_{37}$ | $Cz_{43}/T8_{43}$ | $T8_{37}$ | $Oz_{37}$ | $Cz_{37}/Cz_{43}$ | **80%** |
| | $T8_{37}$ | $Oz_{37}$ | $Oz_{37}/Oz_{43}$ | | | | | | | | | | | | | |
| 17sec | $T8_{37}$ | $Oz_{37}$ | $Cz_{43}$ | | | | | | | | | | | | | 78% |
| 18sec | $Oz_{37}$ | $Cz_{43}$ | $Cz_{37}/T8_{37}$ | $Oz_{37}$ | $Cz_{43}$ | $T8_{37}/T8_{43}$ | | | | | | | | | | 76% |
| 19sec | $Oz_{37}$ | $Oz_{43}$ | $Cz_{37}/T7_{37}$ | $Oz_{37}$ | $Oz_{43}$ | $T7_{43}/T8_{43}$ | | | | | | | | | | 76% |
| 20sec | $Oz_{37}$ | $Oz_{43}$ | $T7_{37}/Oz_{37}$ | $Oz_{37}$ | $Oz_{43}$ | $T7_{43}/Oz_{43}$ | | | | | | | | | | **80%** |

Supplementary Table 4. Selected feature sets of participant KN resulting in the highest classification accuracy for each of the analysis window sizes. Each feature set consisted of three features separated with dash lines in the table. When several feature sets result in the identical classification accuracy, all of them were listed at the same time. The highest accuracy is printed in bold.

| Analysis window size | Selected Feature List | | | | | | | | | | | | | | | Accuracy |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2sec | $Cz_{37}$ | $T7_{37}$ | $T8_{43}/Oz_{43}$ | $Cz_{37}$ | $Oz_{43}$ | $Cz_{43}/Oz_{43}$ | | | | | | | | | | 64% |
| 3sec | $Oz_{37}$ | $T8_{43}$ | $T8_{43}/Oz_{43}$ | | | | | | | | | | | | | 62% |
| 4sec | $Cz_{37}$ | $Oz_{43}$ | $T7_{43}/Oz_{43}$ | $Cz_{37}$ | $Oz_{43}$ | $Cz_{37}/Cz_{43}$ | | | | | | | | | | 70% |
| 5sec | $T8_{43}$ | $Oz_{43}$ | $T7_{37}/Oz_{37}$ | | | | | | | | | | | | | 72% |
| 6sec | $Cz_{37}$ | $Oz_{43}$ | $T7_{43}/Oz_{43}$ | $Cz_{37}$ | $Oz_{43}$ | $T8_{37}/T8_{43}$ | $Oz_{37}$ | $Cz_{43}$ | $Oz_{43}$ | | | | | | | 76% |
| 7sec | $Cz_{37}$ | $T8_{37}$ | $Cz_{43}$ | $Cz_{37}$ | $T8_{43}$ | $Cz_{37}/T8_{37}$ | | | | | | | | | | 76% |
| 8sec | $Cz_{37}$ | $T8_{37}$ | $Cz_{43}$ | $Cz_{37}$ | $T8_{37}$ | $Oz_{43}$ | $Cz_{37}$ | $T8_{43}$ | $Oz_{43}$ | $Cz_{37}$ | $T8_{43}$ | $Cz_{37}/T7_{37}$ | | | | 76% |
| 9sec | $Cz_{37}$ | $T7_{43}$ | $T8_{43}$ | | | | | | | | | | | | | 84% |
| 10sec | $Cz_{37}$ | $Cz_{43}$ | $Cz_{37}/Oz_{37}$ | $Cz_{37}$ | $Cz_{43}$ | $T8_{37}/Oz_{37}$ | $Cz_{37}$ | $Cz_{43}$ | $Cz_{37}/Cz_{43}$ | $Cz_{37}$ | $T8_{43}$ | $Cz_{37}/T7_{37}$ | $Cz_{37}$ | $T8_{43}$ | $Cz_{43}/T7_{43}$ | 84% |
| | $Cz_{37}$ | $T8_{43}$ | $T8_{43}/Oz_{43}$ | | | | | | | | | | | | | |
| 11sec | $Cz_{37}$ | $Cz_{43}$ | $T7_{43}/Oz_{43}$ | $Cz_{37}$ | $Cz_{43}$ | $T8_{37}/T8_{43}$ | | | | | | | | | | **86%** |
| 12sec | $T8_{43}$ | $Oz_{43}$ | $T7_{37}/Oz_{37}$ | | | | | | | | | | | | | 80% |
| 13sec | $Cz_{37}$ | $Cz_{37}/T7_{37}$ | $Cz_{37}/Cz_{43}$ | | | | | | | | | | | | | 78% |
| 14sec | $Cz_{37}$ | $Oz_{37}$ | $Cz_{43}/T7_{43}$ | $Cz_{37}$ | $Oz_{37}$ | $Cz_{43}/T8_{43}$ | $Cz_{37}$ | $Oz_{37}$ | $T7_{43}/T8_{43}$ | $Cz_{37}$ | $T7_{43}$ | $T7_{43}/T8_{43}$ | | | | 84% |
| 15sec | $Cz_{37}$ | $T8_{37}$ | $Cz_{43}$ | $Cz_{37}$ | $T8_{37}$ | $T7_{37}/Oz_{37}$ | $Cz_{37}$ | $T8_{37}$ | $T8_{43}/Oz_{43}$ | | | | | | | 80% |
| 16sec | $Cz_{37}$ | $T8_{37}$ | $Cz_{43}$ | $Cz_{37}$ | $T8_{37}$ | $Oz_{43}$ | $Cz_{37}$ | $T7_{43}$ | $T8_{43}$ | $T8_{37}$ | $Cz_{43}$ | $T7_{43}$ | | | | 78% |
| 17sec | $Cz_{37}$ | $T8_{37}$ | $Cz_{43}$ | $T8_{37}$ | $Cz_{43}$ | $Oz_{37}/Oz_{43}$ | $T8_{37}$ | $T7_{43}$ | $Oz_{43}$ | | | | | | | 78% |
| 18sec | $Cz_{37}$ | $T8_{37}$ | $Cz_{43}$ | $T8_{37}$ | $Cz_{43}$ | $Cz_{43}/T7_{43}$ | $T8_{37}$ | $Cz_{43}$ | $Cz_{37}/Cz_{43}$ | | | | | | | 78% |
| 19sec | $Cz_{37}$ | $T8_{37}$ | $T7_{43}$ | $T8_{37}$ | $Cz_{43}$ | $Cz_{37}/Oz_{37}$ | $T8_{37}$ | $Cz_{43}$ | $Cz_{43}/T8_{43}$ | $T8_{37}$ | $Cz_{43}$ | $Cz_{37}/Cz_{43}$ | | | | 80% |
| 20sec | $Cz_{37}$ | $Cz_{43}$ | $T7_{37}/Oz_{37}$ | $Cz_{37}$ | $Cz_{43}$ | $T7_{43}/Oz_{43}$ | | | | | | | | | | 82% |

Supplementary Table 5. Selected feature sets of participant HP resulting in the highest classification accuracy for each of the analysis window sizes. Each feature set consisted of three features separated with dash lines in the table. When several feature sets result in the identical classification accuracy, all of them were listed at the same time. The highest accuracy is printed in bold.

| Analysis window size | Selected Feature List | | | | | | | | | | | | | | | Accuracy |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2sec | $T8_{37}$ | $T8_{37}/Oz_{37}$ | $Cz_{37}/Cz_{43}$ | $T8_{37}$ | $Cz_{43}/T7_{43}$ | $T7_{37}/T7_{43}$ | $T8_{37}$ | $T7_{43}/Oz_{43}$ | $T7_{37}/T7_{43}$ | $Cz_{37}/T8_{37}$ | $T8_{37}/Oz_{37}$ | $T8_{37}/T8_{43}$ | | | | 66% |
| 3sec | $Cz_{37}$ | $T8_{43}$ | $Cz_{37}/Oz_{37}$ | $Cz_{37}/T8_{37}$ | $Cz_{43}/T7_{43}$ | $T7_{43}/Oz_{43}$ | | | | | | | | | | 64% |
| 4sec | $Cz_{37}$ | $Oz_{37}$ | $Cz_{37}/T8_{37}$ | $Cz_{37}$ | $Oz_{37}$ | $Cz_{43}/T8_{43}$ | $Cz_{37}$ | $T8_{43}$ | $Cz_{43}/T8_{43}$ | $Cz_{37}$ | $T8_{43}$ | $T7_{37}/T7_{43}$ | $Cz_{37}$ | $T8_{43}$ | $Oz_{37}/Oz_{43}$ | 66% |
| | $T7_{37}$ | $T7_{43}/Oz_{43}$ | $Oz_{37}/Oz_{43}$ | $T8_{37}$ | $Oz_{37}$ | $T7_{43}/Oz_{43}$ | $Oz_{37}$ | $Cz_{43}$ | $T7_{37}/Oz_{37}$ | $Oz_{37}$ | $Cz_{43}$ | $Cz_{43}/Oz_{43}$ | | | | |
| 5sec | $T7_{37}$ | $Oz_{37}$ | $Cz_{37}/T7_{37}$ | $T7_{37}$ | $Oz_{37}$ | $Cz_{37}/T8_{37}$ | $T7_{37}$ | $Oz_{37}$ | $T7_{37}/Oz_{37}$ | $T7_{37}$ | $Oz_{37}$ | $T8_{37}/Oz_{37}$ | $T7_{37}$ | $Oz_{37}$ | $Cz_{43}/T7_{43}$ | 78% |
| | $T7_{37}$ | $Oz_{37}$ | $T7_{43}/T8_{43}$ | $T7_{37}$ | $Oz_{37}$ | $T8_{43}/Oz_{43}$ | $T7_{37}$ | $Oz_{37}$ | $Cz_{37}/Cz_{43}$ | $T7_{37}$ | $Oz_{37}$ | $T7_{37}/T7_{43}$ | $T7_{37}$ | $Oz_{37}$ | $Oz_{37}/Oz_{43}$ | |
| | $Oz_{37}$ | $T8_{43}$ | $Cz_{37}/T7_{37}$ | $Oz_{37}$ | $T8_{43}$ | $T7_{37}/T8_{37}$ | | | | | | | | | | |
| 6sec | $T7_{37}$ | $T8_{37}$ | $Oz_{43}$ | | | | | | | | | | | | | 76% |
| 7sec | $T8_{37}$ | $Oz_{43}$ | $Cz_{37}/T7_{37}$ | $T8_{37}$ | $Oz_{43}$ | $T7_{43}/Oz_{43}$ | $T8_{37}$ | $Oz_{43}$ | $Oz_{37}/Oz_{43}$ | | | | | | | 78% |
| 8sec | $T7_{37}$ | $Oz_{37}$ | $Oz_{43}$ | | | | | | | | | | | | | 80% |
| 9sec | $T8_{37}$ | $T8_{43}$ | $Cz_{37}/Oz_{37}$ | $T8_{37}$ | $T8_{43}$ | $T7_{37}/Oz_{37}$ | $T8_{37}$ | $T8_{43}$ | $T8_{37}/Oz_{37}$ | $T8_{37}$ | $T8_{43}$ | $T7_{43}/T8_{43}$ | $T8_{37}$ | $T8_{43}$ | $T7_{37}/T7_{43}$ | 82% |
| 10sec | $T8_{37}$ | $Cz_{43}$ | $Cz_{37}/Oz_{37}$ | $T8_{37}$ | $Cz_{43}$ | $T8_{37}/Oz_{37}$ | $T8_{37}$ | $Cz_{43}$ | $Cz_{43}/T8_{43}$ | $T8_{37}$ | $Cz_{43}$ | $T7_{43}/T8_{43}$ | $T8_{37}$ | $Cz_{43}$ | $Cz_{37}/Cz_{43}$ | 82% |
| | $T8_{37}$ | $T8_{43}$ | $Cz_{37}/T8_{37}$ | $T8_{37}$ | $T8_{43}$ | $T7_{37}/Oz_{37}$ | $T8_{37}$ | $T8_{43}$ | $T8_{37}/Oz_{37}$ | $T8_{37}$ | $T8_{43}$ | $Cz_{43}/T8_{43}$ | $T8_{37}$ | $T8_{43}$ | $Oz_{37}/Oz_{43}$ | |
| 11sec | $Cz_{37}$ | $T7_{37}$ | $T8_{43}$ | $Cz_{37}$ | $T8_{37}$ | $T8_{43}$ | $T8_{37}$ | $Cz_{43}$ | $Cz_{37}/T7_{37}$ | $T8_{37}$ | $Cz_{43}$ | $Cz_{37}/Oz_{37}$ | $T8_{37}$ | $Cz_{43}$ | $T7_{37}/T8_{37}$ | 82% |
| | $T8_{37}$ | $Cz_{43}$ | $T8_{37}/Oz_{37}$ | $T8_{37}$ | $Cz_{43}$ | $Cz_{43}/T8_{43}$ | $T8_{37}$ | $Cz_{43}$ | $Cz_{43}/Oz_{43}$ | $T8_{37}$ | $Cz_{43}$ | $T7_{43}/T8_{43}$ | $T8_{37}$ | $Cz_{43}$ | $Cz_{37}/Cz_{43}$ | |
| | $T8_{37}$ | $Cz_{43}$ | $T7_{37}/T7_{43}$ | $T8_{37}$ | $Cz_{43}$ | $T8_{37}/T8_{43}$ | $T8_{37}$ | $Cz_{43}$ | $Oz_{37}/Oz_{43}$ | $Oz_{37}$ | $T7_{43}$ | $Oz_{43}$ | | | | |
| 12sec | $T7_{37}$ | $Oz_{37}$ | $Oz_{43}$ | | | | | | | | | | | | | **86%** |
| 13sec | $T8_{37}$ | $Cz_{43}$ | $Cz_{37}/Oz_{37}$ | $T8_{37}$ | $Cz_{43}$ | $Cz_{43}/T7_{43}$ | $T8_{37}$ | $Cz_{43}$ | $T7_{43}/Oz_{43}$ | $T8_{37}$ | $Cz_{43}$ | $T8_{43}/Oz_{43}$ | $T8_{37}$ | $Cz_{43}$ | $Cz_{37}/Cz_{43}$ | 80% |
| | $T8_{37}$ | $Cz_{43}$ | $T7_{37}/T7_{43}$ | $T8_{37}$ | $Cz_{43}$ | $T8_{37}/T8_{43}$ | $T8_{37}$ | $Cz_{43}$ | $Oz_{37}/Oz_{43}$ | | | | | | | |
| 14sec | $T7_{37}$ | $Oz_{37}$ | $Oz_{43}$ | | | | | | | | | | | | | 80% |
| 15sec | $T7_{43}$ | $Oz_{43}$ | $T7_{37}/T8_{37}$ | | | | | | | | | | | | | 82% |
| 16sec | $T7_{37}$ | $T8_{37}$ | $Oz_{43}$ | | | | | | | | | | | | | 82% |
| 17sec | $Cz_{37}$ | $T8_{37}$ | $T7_{43}$ | $T7_{37}$ | $Oz_{43}$ | $Cz_{37}/T7_{37}$ | $T7_{37}$ | $Oz_{43}$ | $T7_{37}/Oz_{37}$ | $T7_{37}$ | $Oz_{43}$ | $T8_{43}/Oz_{43}$ | $T7_{37}$ | $Oz_{43}$ | $Cz_{37}/Cz_{43}$ | 82% |
| 18sec | $T7_{37}$ | $T8_{37}$ | $Oz_{43}$ | $T7_{37}$ | $Oz_{43}$ | $Cz_{37}/Oz_{37}$ | $T7_{37}$ | $Oz_{43}$ | $T7_{37}/Oz_{37}$ | $T7_{37}$ | $Oz_{43}$ | $Cz_{43}/T8_{43}$ | $T7_{37}$ | $Oz_{43}$ | $T7_{43}/T8_{43}$ | 86% |
| | $T7_{37}$ | $Oz_{43}$ | $T7_{37}/T7_{43}$ | $T7_{37}$ | $Oz_{43}$ | $T8_{37}/T8_{43}$ | | | | | | | | | | |
| 19sec | $Cz_{37}$ | $T8_{37}$ | $Cz_{43}$ | $T7_{37}$ | $T8_{43}$ | $Oz_{43}$ | | | | | | | | | | 84% |
| 20sec | $Cz_{37}$ | $T8_{37}$ | $Cz_{43}$ | $T7_{37}$ | $Oz_{43}$ | $T8_{43}/Oz_{43}$ | $T7_{37}$ | $Oz_{43}$ | $Cz_{37}/Cz_{43}$ | $T7_{37}$ | $Oz_{43}$ | $Oz_{37}/Oz_{43}$ | $T8_{37}$ | $Oz_{37}$ | $Cz_{43}$ | 82% |
| | $Oz_{37}$ | $Cz_{43}$ | $Oz_{43}$ | $Oz_{37}$ | $T8_{43}$ | $Oz_{43}$ | | | | | | | | | | |

Supplementary Table 6. Selected feature sets of participant JP resulting in the highest classification accuracy for each of the analysis window sizes. Each feature set consisted of three features separated with dash lines in the table. When several feature sets result in the identical classification accuracy, all of them were listed at the same time. The highest accuracy is printed in bold.

| Analysis window size | Selected Feature List | | | | | | | | | | | | | | | Accuracy |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2sec | $T7_{43}/T8_{43}$ | $T7_{43}/Oz_{43}$ | $Oz_{37}/Oz_{43}$ | | | | | | | | | | | | | 62% |
| 3sec | $Cz_{37}$ | $Oz_{37}$ | $T7_{37}/T8_{37}$ | $Cz_{37}$ | $Oz_{37}$ | $Cz_{43}/T7_{43}$ | $Cz_{37}$ | $Oz_{37}$ | $Cz_{43}/Oz_{43}$ | $T7_{37}$ | $Oz_{37}$ | $Cz_{37}/T7_{37}$ | $T8_{37}$ | $Oz_{37}$ | $T7_{43}$ | 64% |
| | $T8_{37}$ | $Oz_{43}$ | $Cz_{37}/Oz_{37}$ | $T8_{37}$ | $Oz_{43}$ | $Cz_{43}/T8_{43}$ | $T8_{37}$ | $Oz_{43}$ | $T7_{43}/T8_{43}$ | $T8_{37}$ | $Oz_{43}$ | $Cz_{37}/Cz_{43}$ | $T8_{37}$ | $Oz_{43}$ | $T8_{37}/T8_{43}$ | |
| | $T8_{37}$ | $Oz_{43}$ | $Oz_{37}/Oz_{43}$ | $Oz_{37}$ | $Cz_{43}$ | $T7_{37}/Oz_{37}$ | $Oz_{37}$ | $Cz_{43}$ | $T7_{37}/T7_{43}$ | $Oz_{37}$ | $T7_{43}$ | $Oz_{43}$ | $Oz_{37}$ | $Cz_{37}/T7_{37}$ | $T8_{43}/Oz_{43}$ | |
| | $Oz_{37}$ | $Cz_{43}/T7_{43}$ | $Cz_{43}/Oz_{43}$ | $Oz_{37}$ | $Cz_{43}/T8_{43}$ | $Cz_{43}/Oz_{43}$ | $T7_{43}$ | $Oz_{43}$ | $Cz_{37}/T7_{37}$ | | | | | | | |
| 4sec | $T7_{37}$ | $Oz_{37}$ | $T7_{43}$ | $Oz_{37}$ | $Cz_{37}/T7_{37}$ | $Cz_{37}/T8_{37}$ | $Oz_{37}$ | $Cz_{37}/T7_{37}$ | $Cz_{43}/T8_{43}$ | $Oz_{37}$ | $Cz_{37}/T7_{37}$ | $Cz_{37}/Cz_{43}$ | $Oz_{37}$ | $Cz_{37}/Oz_{37}$ | $Cz_{43}/Oz_{43}$ | 78% |
| | $Oz_{37}$ | $Cz_{37}/Oz_{37}$ | $T7_{43}/Oz_{43}$ | $Oz_{37}$ | $T7_{37}/T8_{37}$ | $Cz_{37}/Cz_{43}$ | $Oz_{37}$ | $Cz_{43}/T7_{43}$ | $T7_{37}/T7_{43}$ | $Oz_{37}$ | $Cz_{43}/Oz_{43}$ | $Cz_{37}/Cz_{43}$ | | | | |
| 5sec | $Cz_{37}$ | $Cz_{43}$ | $T7_{43}$ | | | | | | | | | | | | | 82% |
| 6sec | $T7_{37}$ | $T7_{43}$ | $Oz_{43}$ | $Cz_{43}$ | $T7_{43}$ | $Cz_{37}/T7_{37}$ | $Cz_{43}$ | $T7_{43}$ | $T7_{37}/T8_{37}$ | $Cz_{43}$ | $T7_{43}$ | $Cz_{37}/Cz_{43}$ | | | | 78% |
| 7sec | $Cz_{37}$ | $T8_{37}$ | $Oz_{43}$ | $T7_{37}$ | $T8_{37}$ | $Oz_{37}$ | $T7_{37}$ | $Oz_{37}$ | $T7_{43}$ | $T7_{37}$ | $Oz_{37}$ | $Cz_{37}/T7_{37}$ | $T7_{37}$ | $Oz_{37}$ | $T8_{37}/Oz_{37}$ | 80% |
| | $T7_{37}$ | $Oz_{37}$ | $Cz_{43}/T8_{43}$ | $T7_{37}$ | $Oz_{37}$ | $T7_{43}/Oz_{43}$ | $T7_{37}$ | $Oz_{37}$ | $T7_{37}/T7_{43}$ | $T7_{37}$ | $Oz_{37}$ | $T8_{37}/T8_{43}$ | $Oz_{37}$ | $T7_{43}$ | $T8_{43}$ | |
| 8sec | $Cz_{37}$ | $T7_{37}$ | $T8_{37}$ | $T8_{37}$ | $Cz_{43}$ | $T7_{43}$ | | | | | | | | | | 82% |
| 9sec | $Cz_{37}$ | $T7_{37}$ | $T8_{37}$ | | | | | | | | | | | | | 84% |
| 10sec | $Cz_{37}$ | $T7_{37}$ | $T8_{37}$ | | | | | | | | | | | | | 86% |
| 11sec | $Cz_{37}$ | $T8_{37}$ | $Cz_{43}$ | | | | | | | | | | | | | 84% |
| 12sec | $Cz_{37}$ | $T8_{37}$ | $Cz_{43}$ | $Cz_{43}$ | $T7_{43}$ | $Oz_{37}/Oz_{43}$ | | | | | | | | | | 86% |
| 13sec | $Cz_{37}$ | $T8_{37}$ | $T7_{43}$ | $Cz_{37}$ | $T7_{43}$ | $T8_{43}$ | | | | | | | | | | 86% |
| 14sec | $T8_{37}$ | $Oz_{43}$ | $Oz_{37}/Oz_{43}$ | | | | | | | | | | | | | 86% |
| 15sec | $Cz_{37}$ | $T8_{43}$ | $Oz_{43}$ | | | | | | | | | | | | | **88%** |
| 16sec | $Cz_{37}$ | $T8_{37}$ | $Oz_{43}$ | $Cz_{37}$ | $T7_{43}$ | $Oz_{43}$ | $Cz_{37}$ | $T8_{43}$ | $Oz_{43}$ | | | | | | | **88%** |
| 17sec | $Cz_{37}$ | $T8_{43}$ | $Oz_{43}$ | | | | | | | | | | | | | 80% |
| 18sec | $Cz_{37}$ | $T8_{43}$ | $Cz_{37}/T7_{37}$ | $Cz_{37}$ | $T8_{43}$ | $T7_{37}/Oz_{37}$ | $Cz_{37}$ | $T8_{43}$ | $Oz_{37}/Oz_{43}$ | | | | | | | 82% |
| 19sec | $Cz_{37}$ | $T7_{43}$ | $T8_{37}/Oz_{37}$ | $Cz_{37}$ | $T7_{43}$ | $Cz_{43}/T7_{43}$ | $Cz_{37}$ | $T8_{43}$ | $Cz_{37}/T7_{37}$ | $Cz_{37}$ | $T8_{43}$ | $Cz_{37}/Oz_{37}$ | $Cz_{37}$ | $T8_{43}$ | $Cz_{43}/T8_{43}$ | 80% |
| | $Cz_{37}$ | $T8_{43}$ | $T7_{43}/Oz_{43}$ | $Cz_{37}$ | $T8_{43}$ | $T8_{43}/Oz_{43}$ | $Cz_{37}$ | $T8_{43}$ | $Cz_{37}/Cz_{43}$ | $Cz_{37}$ | $T8_{43}$ | $Oz_{37}/Oz_{43}$ | | | | |
| 20sec | $Cz_{37}$ | $Cz_{43}$ | $T8_{43}$ | | | | | | | | | | | | | **88%** |

Supplementary Table 7. Classification accuracy(%) averaged over six participants with respect to different analysis window sizes (from 2 to 20 seconds with a step size of 1 second). The graph of these data is depicted in Figure 3 of the manuscript. The highest classification accuracy for each number of feature vectors is printed in bold.

| Window size (sec.) | Classification Accuracy (%) | | |
|---|---|---|---|
| | 1 Feature | 2 Features | 3 Features |
| 2 | 61.00 | 63.33 | 64.67 |
| 3 | 60.33 | 62.67 | 64.33 |
| 4 | 64.67 | 68.33 | 70.67 |
| 5 | 68.67 | 71.00 | 74.00 |
| 6 | 66.33 | 73.00 | 75.67 |
| 7 | 70.00 | 74.33 | 76.33 |
| 8 | 69.67 | 74.00 | 77.00 |
| 9 | 71.00 | 76.33 | 81.00 |
| 10 | 71.67 | 79.00 | 82.00 |
| 11 | 74.00 | 79.00 | 82.33 |
| 12 | **75.00** | 79.33 | 82.33 |
| 13 | 74.67 | 79.67 | 83.33 |
| 14 | 74.33 | 79.33 | 82.00 |
| 15 | 72.67 | 78.33 | 83.00 |
| 16 | 73.67 | 80.33 | 82.67 |
| 17 | 71.33 | 77.00 | 81.67 |
| 18 | 72.33 | **81.00** | 82.67 |
| 19 | 72.33 | 78.67 | 80.67 |
| 20 | 72.67 | 80.67 | **84.33** |
| Average ± s.d. | 70.33 ± 4.24 | 75.54 ± 5.46 | 78.46 ± 5.96 |
| Maximum | 75.00 | 81.00 | 84.33 |

Supplementary Table 8. Classification accuracy for each participant with respect to different analysis window sizes (from 2 to 20 seconds with a step size of 1 second) when three feature vectors were selected. The highest classification accuracy of each participant is printed in bold.

| Window size (sec.) | Classification Accuracy (%) | | | | | |
|---|---|---|---|---|---|---|
| | subject SB | subject TK | subject HL | subject KN | subject HP | subject JP |
| 2 | 66 | 64 | 66 | 64 | 66 | 62 |
| 3 | 66 | 64 | 66 | 62 | 64 | 64 |
| 4 | 70 | 68 | 72 | 70 | 66 | 78 |
| 5 | 68 | 70 | 74 | 72 | 78 | 82 |
| 6 | 74 | 78 | 72 | 76 | 76 | 78 |
| 7 | 74 | 74 | 76 | 76 | 78 | 80 |
| 8 | 80 | 74 | 70 | 76 | 80 | 82 |
| 9 | 78 | 80 | 78 | 84 | 82 | 84 |
| 10 | 82 | 84 | 74 | 84 | 82 | 86 |
| 11 | 84 | 82 | 76 | **86** | 82 | 84 |
| 12 | 84 | 84 | 74 | 80 | **86** | 86 |
| 13 | **92** | 84 | **80** | 78 | 80 | 86 |
| 14 | 86 | 82 | 74 | 84 | 80 | 86 |
| 15 | 86 | 84 | 78 | 80 | 82 | **88** |
| 16 | 86 | 82 | **80** | 78 | 82 | **88** |
| 17 | 88 | 84 | 78 | 78 | 82 | 80 |
| 18 | 90 | 84 | 76 | 78 | **86** | 82 |
| 19 | 84 | 80 | 76 | 80 | 84 | 80 |
| 20 | 88 | **86** | **80** | 82 | 82 | **88** |
| Average ± s.d. | 80.32 ± 8.09 | 78.32 ± 6.97 | 74.74 ± 4.06 | 77.26 ± 6.30 | 78.84 ± 6.34 | 81.26 ± 7.03 |
| Maximum | 92 | 86 | 80 | 86 | 86 | 88 |