

| Dataset | 15% CS | | KMEANS | GT |
|--------------|-------------|-------------|--------|-------|
| | PCCC | PCCC-N2-S | | |
| n300-k10-s10 | 0.71 | 0.71 | 0.73 | 0.73 |
| n300-k10-s20 | 0.51 | 0.51 | 0.55 | 0.47 |
| n300-k10-s30 | 0.37 | 0.37 | 0.42 | 0.29 |
| n300-k10-s40 | 0.28 | 0.27 | 0.36 | 0.15 |
| n300-k10-s50 | 0.23 | 0.22 | 0.35 | 0.06 |
| n300-k20-s10 | 0.48 | 0.48 | 0.55 | 0.51 |
| n300-k20-s20 | 0.32 | 0.31 | 0.40 | 0.19 |
| n300-k20-s30 | 0.30 | 0.29 | 0.35 | 0.04 |
| n300-k20-s40 | 0.26 | 0.25 | 0.35 | -0.05 |
| n300-k20-s50 | 0.26 | 0.26 | 0.34 | -0.10 |
| n300-k50-s10 | 0.47 | 0.47 | 0.51 | 0.40 |
| n300-k50-s20 | 0.35 | 0.35 | 0.38 | 0.07 |
| n300-k50-s30 | 0.33 | 0.33 | 0.36 | -0.10 |
| n300-k50-s40 | 0.32 | 0.32 | 0.36 | -0.18 |
| n300-k50-s50 | 0.31 | 0.31 | 0.36 | -0.23 |
| Mean | 0.37 | 0.36 | 0.43 | 0.15 |

Table W47: Average Silhouette coefficients of the PCCC and the PCCC-N2-S algorithms obtained with constraint sets of size 15% CS. Higher values indicate better separated clusters. The highest values are stated in bold. The column KMEANS reports the average Silhouette coefficients that were obtained with the unconstrained k-means algorithm. The column GT reports the Silhouette coefficients of the ground truth assignment. The hyphen indicates that the respective algorithm returned no solution within the time limit of 3,600 seconds.