| 10-Nearest Neighbor Precision | |
| --- | --- |
| MFCC | 0.863 |
| DD | 0.724 |
| MFCC+DD | 0.887 |
| MFCC+FC | 0.851 |
| MFCC+STAT | 0.848 |
| PCA | 0.919 |
| CNN | 0.953 |
| Mel | 0.772 |
| Mel+DD | 0.834 |
| Mel+FC | 0.815 |
| Mel+STAT | 0.821 |

Features Used to Define Timbre Space

MFCC - Mel-Frequency Cepstral Coefficients

DD - delta-MFCCs and delta delta-MFCCs

FC - Meng's Filterback Coefficients

STAT - Texture window MFCC means and
        variances

PCA - Features obtained using
        Principal Component Analysis

CNN - Features obtained using
        Convolutional Neural Nets

Mel - Mel-band Coefficients