

Heatmap visualization of the distance matrix for the 12 categories: CC#, DD#, E, F, F#, GG#, AA#, B. The color scale ranges from 0 (dark purple) to 1 (yellow). The diagonal elements are 0. The matrix shows varying degrees of similarity between categories, with CC# and DD# showing high similarity to each other and to E, and F and F# showing high similarity to each other and to GG#.

