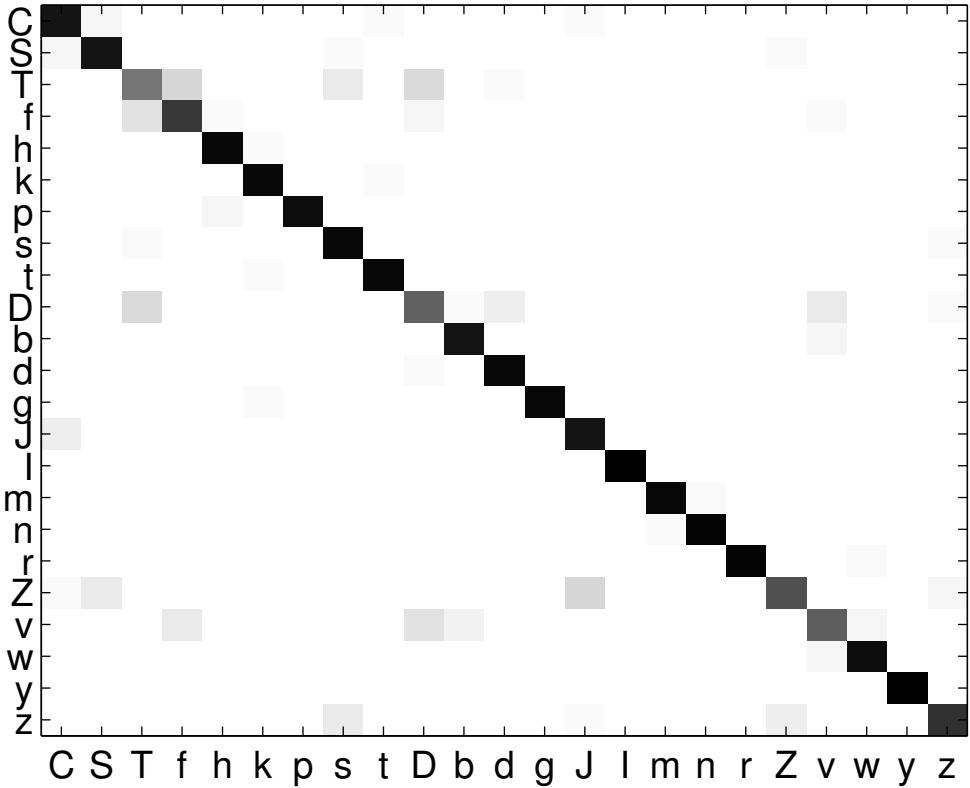Population Confusion Matrix for Reading Controls