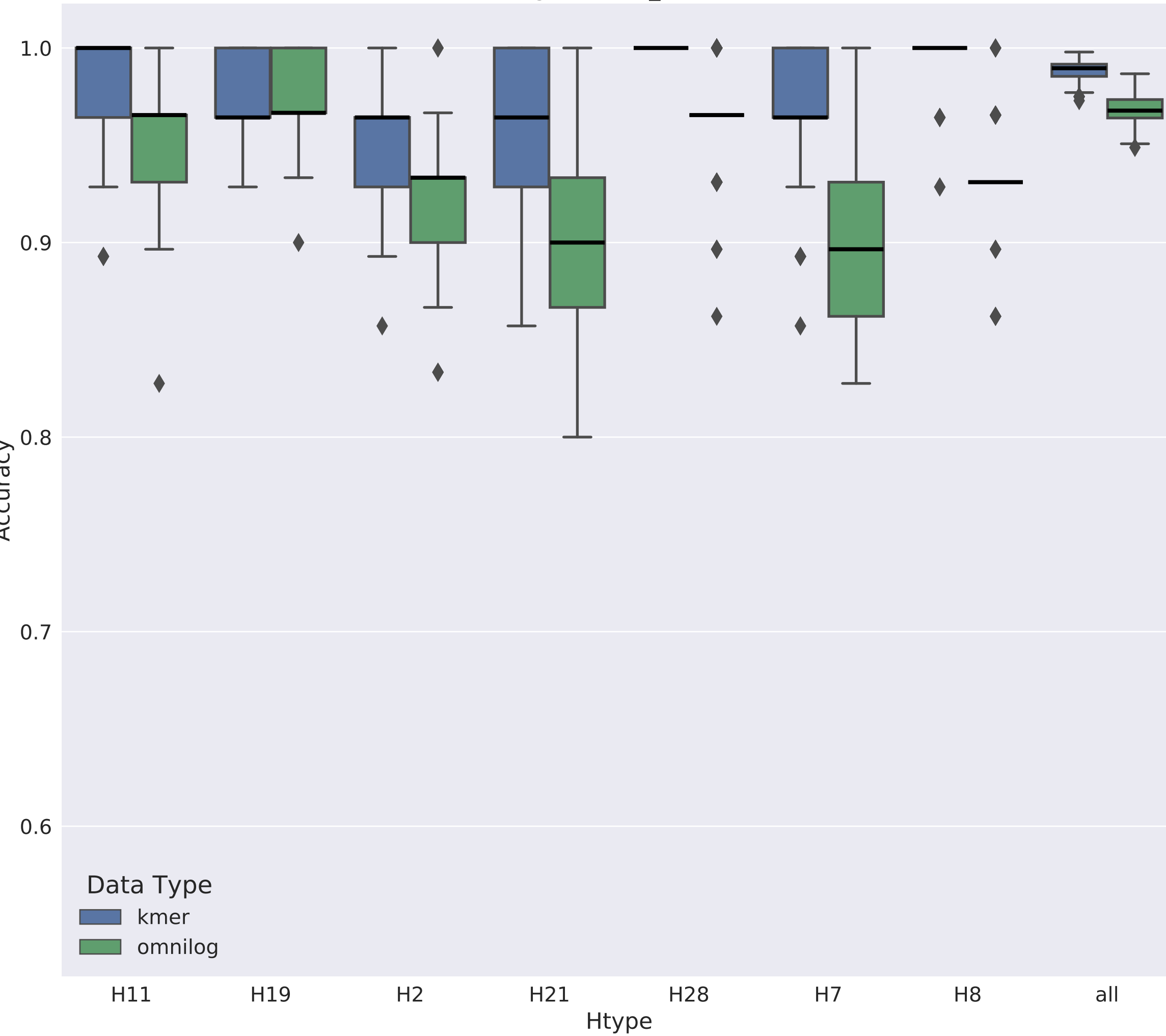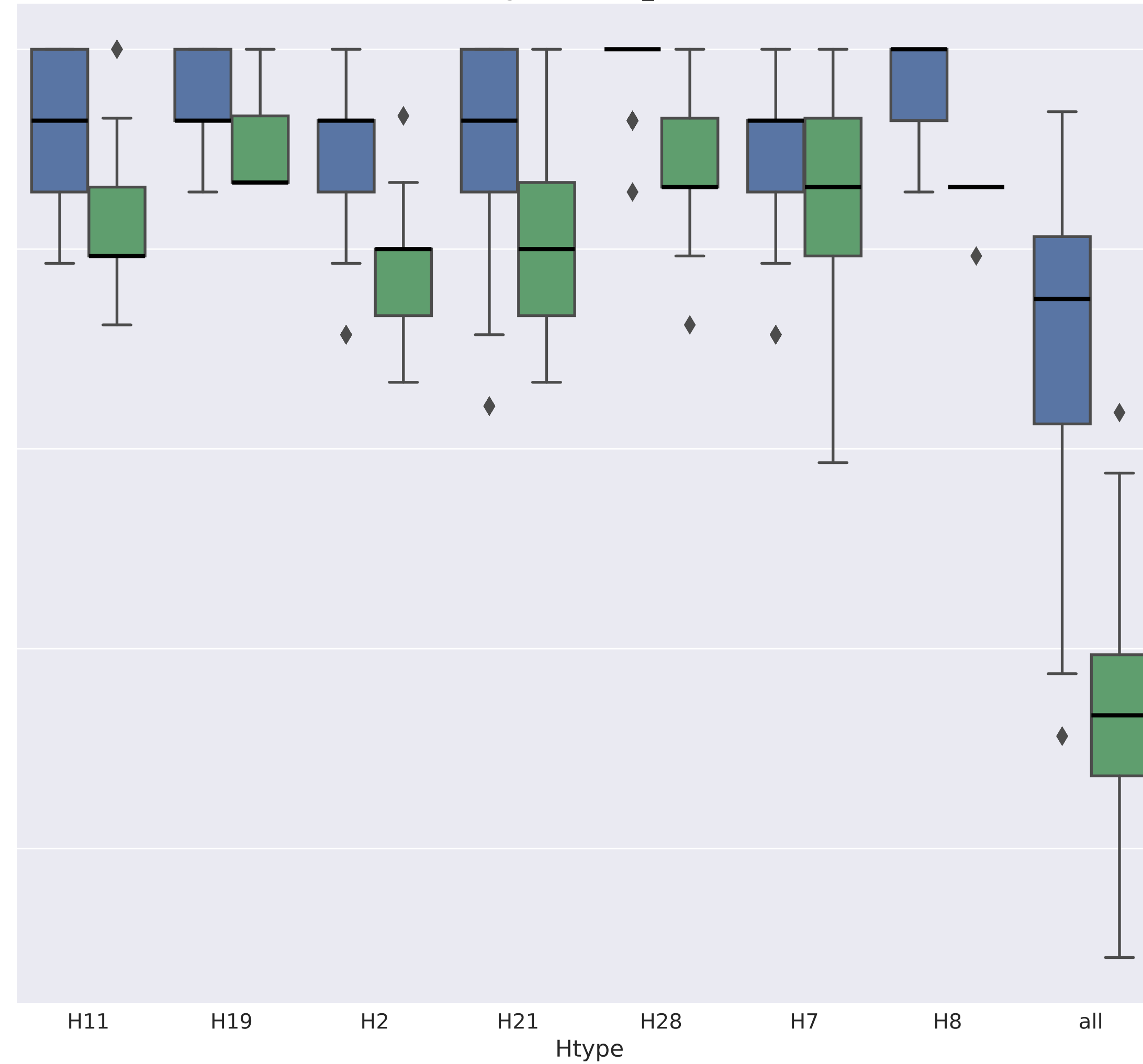Accuracy When Making Binary Htype Predictions