

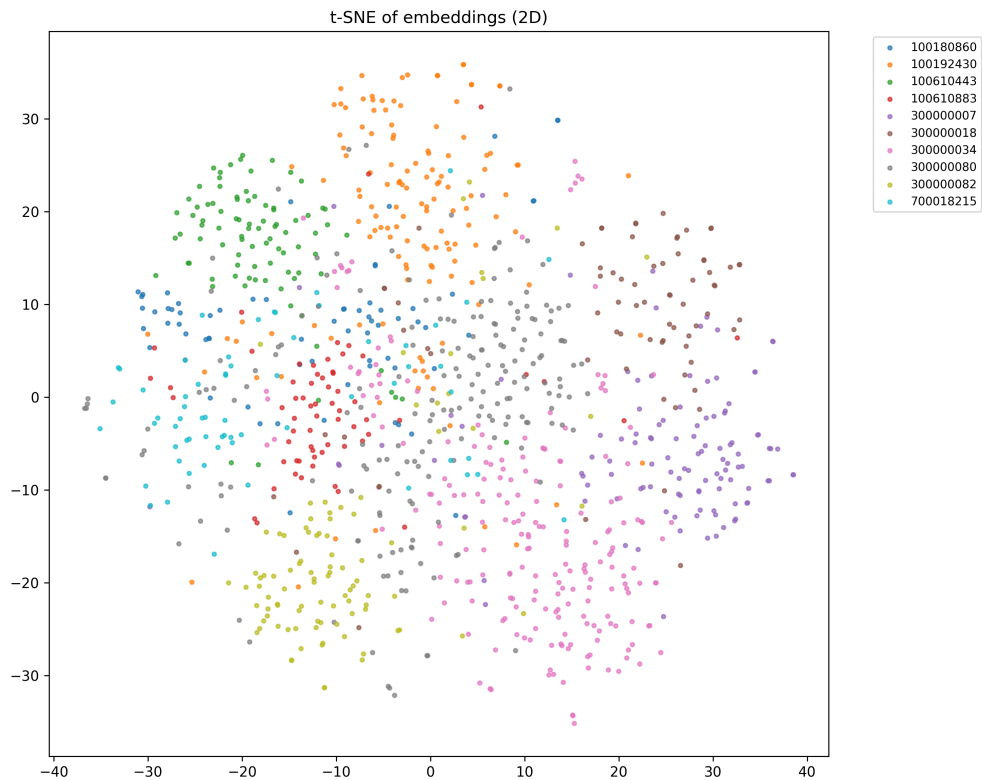
# KNN Pipeline - Results Report

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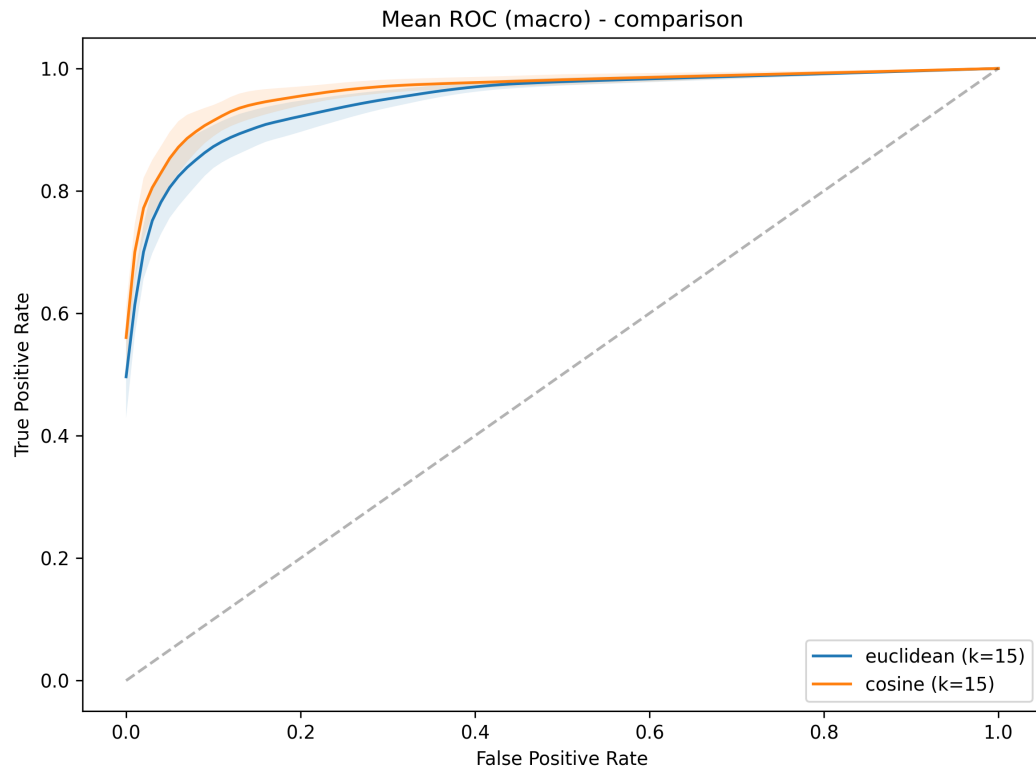
Number of syndromes: 10

Top syndromes (count):

- 300000034: 210 images
- 300000080: 198 images
- 100192430: 136 images
- 300000007: 115 images
- 300000082: 98 images
- 100610443: 89 images



## ROC comparison (mean across CV folds)



## Summary table (sample)

euclidean k=1 AUC=0.7988 F1=0.6340 Top1=0.6585  
euclidean k=2 AUC=0.8615 F1=0.5806 Top1=0.6218  
euclidean k=3 AUC=0.8852 F1=0.6063 Top1=0.6612  
euclidean k=4 AUC=0.9030 F1=0.6583 Top1=0.6980  
euclidean k=5 AUC=0.9137 F1=0.6653 Top1=0.7069  
euclidean k=6 AUC=0.9237 F1=0.6716 Top1=0.7195  
euclidean k=7 AUC=0.9254 F1=0.6793 Top1=0.7123  
euclidean k=8 AUC=0.9338 F1=0.6946 Top1=0.7347  
euclidean k=9 AUC=0.9370 F1=0.7137 Top1=0.7455  
euclidean k=10 AUC=0.9416 F1=0.7072 Top1=0.7419  
euclidean k=11 AUC=0.9442 F1=0.7119 Top1=0.7580  
euclidean k=12 AUC=0.9444 F1=0.7184 Top1=0.7526  
euclidean k=13 AUC=0.9461 F1=0.7110 Top1=0.7499  
euclidean k=14 AUC=0.9484 F1=0.7127 Top1=0.7553  
euclidean k=15 AUC=0.9490 F1=0.7273 Top1=0.7597  
cosine k=1 AUC=0.8299 F1=0.6873 Top1=0.7141  
cosine k=2 AUC=0.8899 F1=0.6613 Top1=0.7008  
cosine k=3 AUC=0.9140 F1=0.7106 Top1=0.7437  
cosine k=4 AUC=0.9274 F1=0.7406 Top1=0.7715  
cosine k=5 AUC=0.9351 F1=0.7524 Top1=0.7705  
cosine k=6 AUC=0.9411 F1=0.7493 Top1=0.7849  
cosine k=7 AUC=0.9465 F1=0.7811 Top1=0.7920  
cosine k=8 AUC=0.9509 F1=0.7663 Top1=0.7992  
cosine k=9 AUC=0.9537 F1=0.7607 Top1=0.8019  
cosine k=10 AUC=0.9564 F1=0.7670 Top1=0.7921  
cosine k=11 AUC=0.9583 F1=0.7642 Top1=0.7965  
cosine k=12 AUC=0.9591 F1=0.7625 Top1=0.7992  
cosine k=13 AUC=0.9598 F1=0.7666 Top1=0.7939  
cosine k=14 AUC=0.9626 F1=0.7604 Top1=0.8028  
cosine k=15 AUC=0.9636 F1=0.7631 Top1=0.8055