

Task Ablation

[C/Ht/B-D]	0.56 (0.58)	0.57 (0.56)	0.67 (0.67)	0.66 (0.67)	0.65 (0.64)
[C/Ht/B-H]	0.56 (0.56)	0.57 (0.58)	0.65 (0.63)	0.64 (0.63)	0.63 (0.63)
[C/Ht/D-S]	0.55 (0.55)	0.56 (0.54)	0.58 (0.57)	0.57 (0.57)	0.57 (0.57)
[C/Ht/H-S]	0.53 (0.56)	0.54 (0.53)	0.59 (0.58)	0.57 (0.58)	0.58 (0.59)
[I/Ho/B-S]	1.00 (1.00)	1.00 (1.00)	1.00 (1.00)	1.00 (1.00)	0.99 (1.00)
[I/Ho/D-H]	0.99 (0.99)	0.99 (0.98)	1.00 (1.00)	1.00 (1.00)	0.99 (0.99)
[I/Ht/B-S]	0.72 (0.73)	0.72 (0.72)	0.72 (0.71)	0.76 (0.75)	0.78 (0.78)
[I/Ht/D-H]	0.57 (0.54)	0.57 (0.55)	0.59 (0.58)	0.60 (0.60)	0.59 (0.57)

baseline MLM
MLM+TLM
MLM+Trans
MLM+TLM+Trans
MLM+TLM+Trans+POS

Normalization Ablation

0.56 (0.58)	0.57 (0.57)	0.57 (0.59)	0.56 (0.57)	0.58 (0.56)
0.56 (0.56)	0.55 (0.57)	0.58 (0.59)	0.53 (0.53)	0.59 (0.60)
0.55 (0.55)	0.52 (0.52)	0.56 (0.55)	0.52 (0.51)	0.56 (0.55)
0.53 (0.56)	0.52 (0.51)	0.55 (0.53)	0.54 (0.54)	0.55 (0.54)
1.00 (1.00)	1.00 (0.99)	0.96 (0.96)	1.00 (1.00)	0.96 (0.95)
0.99 (0.99)	0.99 (1.00)	0.92 (0.94)	1.00 (1.00)	0.92 (0.93)
0.72 (0.73)	0.60 (0.56)	0.65 (0.64)	0.60 (0.59)	0.64 (0.65)
0.57 (0.54)	0.55 (0.54)	0.56 (0.57)	0.55 (0.55)	0.55 (0.55)

baseline MLM
MLM Fusion Latin
MLM KL Latin
MLM Fusion IPA
MLM KL IPA

AUC (0.4–1.0)

1.0

0.9

0.8

0.7

0.6

0.5

0.4