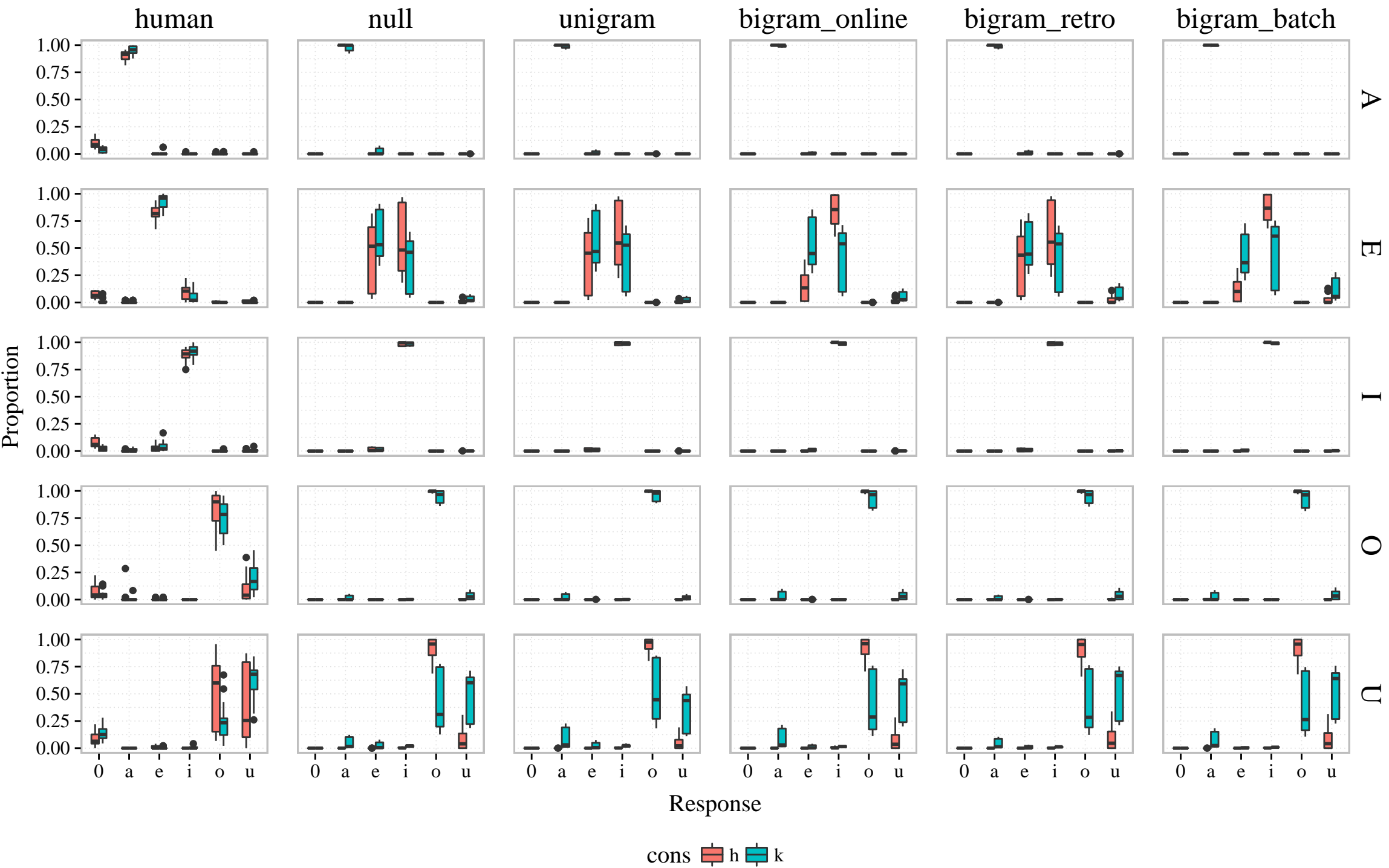
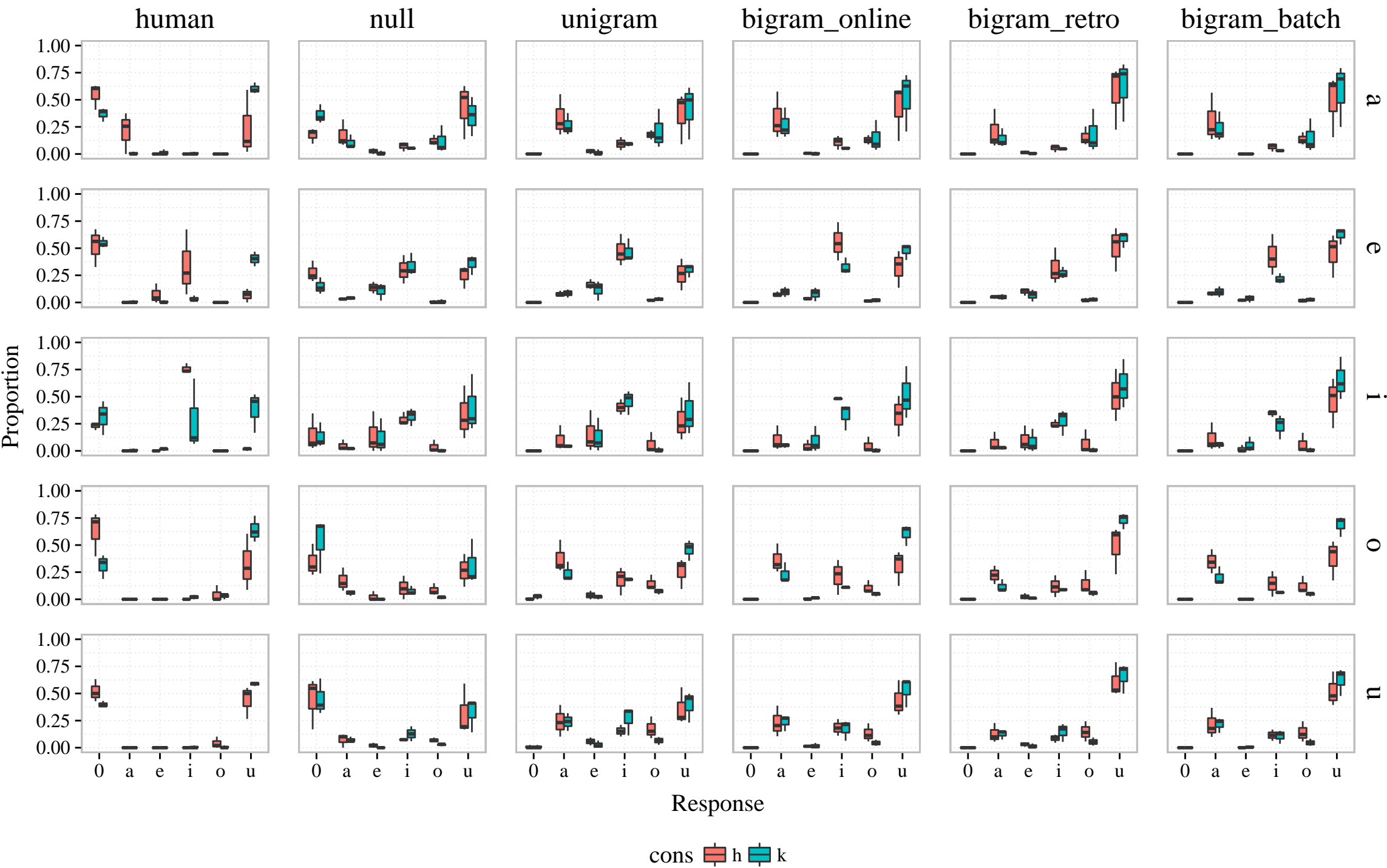


Full Vowels

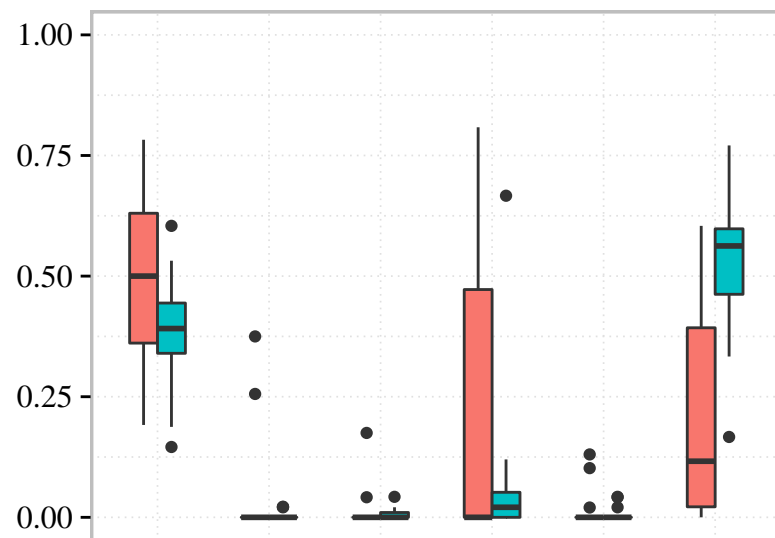


Natural clusters (by coart)

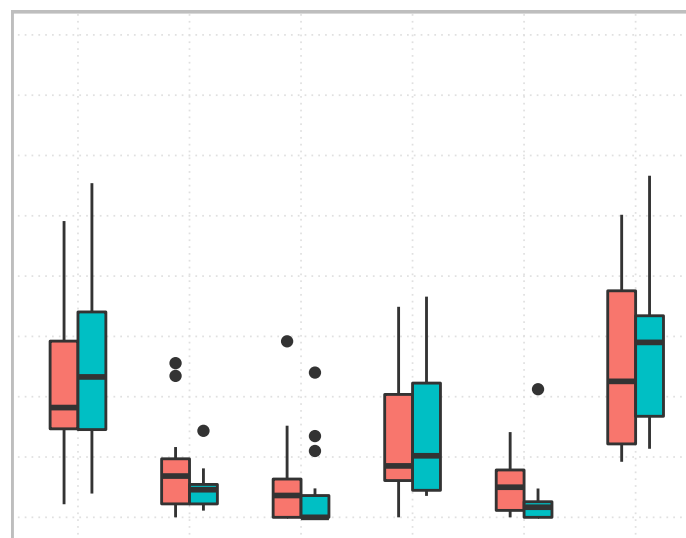


Natural clusters

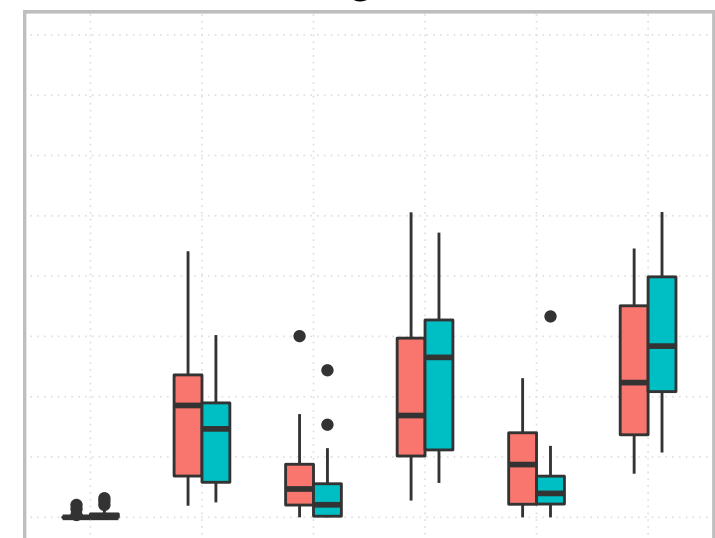
human



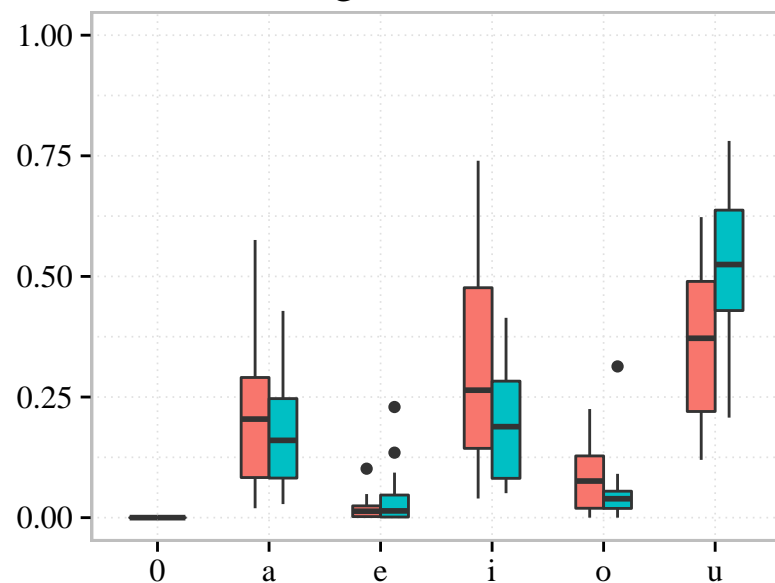
null



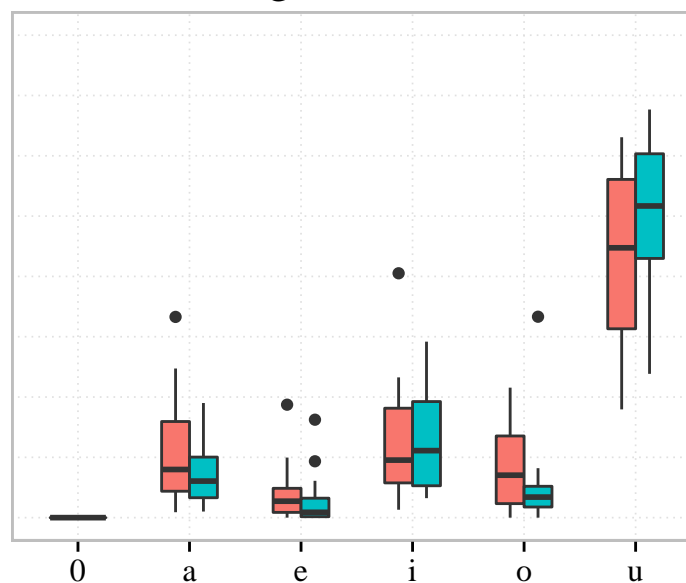
unigram



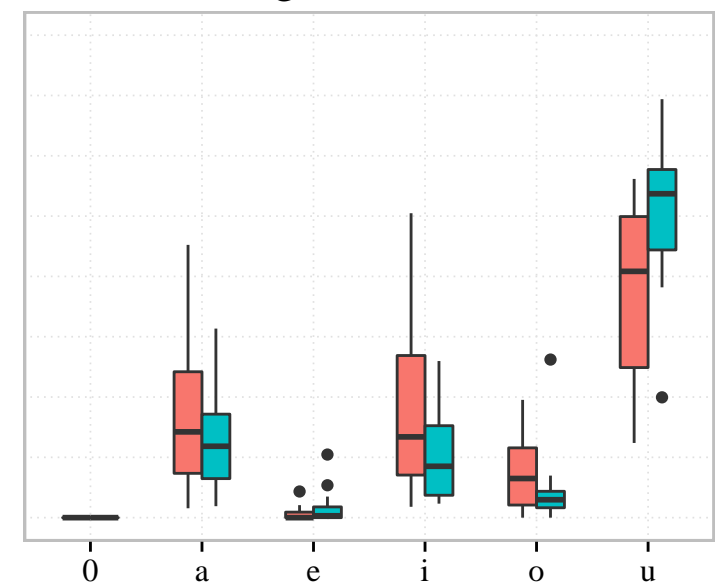
bigram_online



bigram_retro



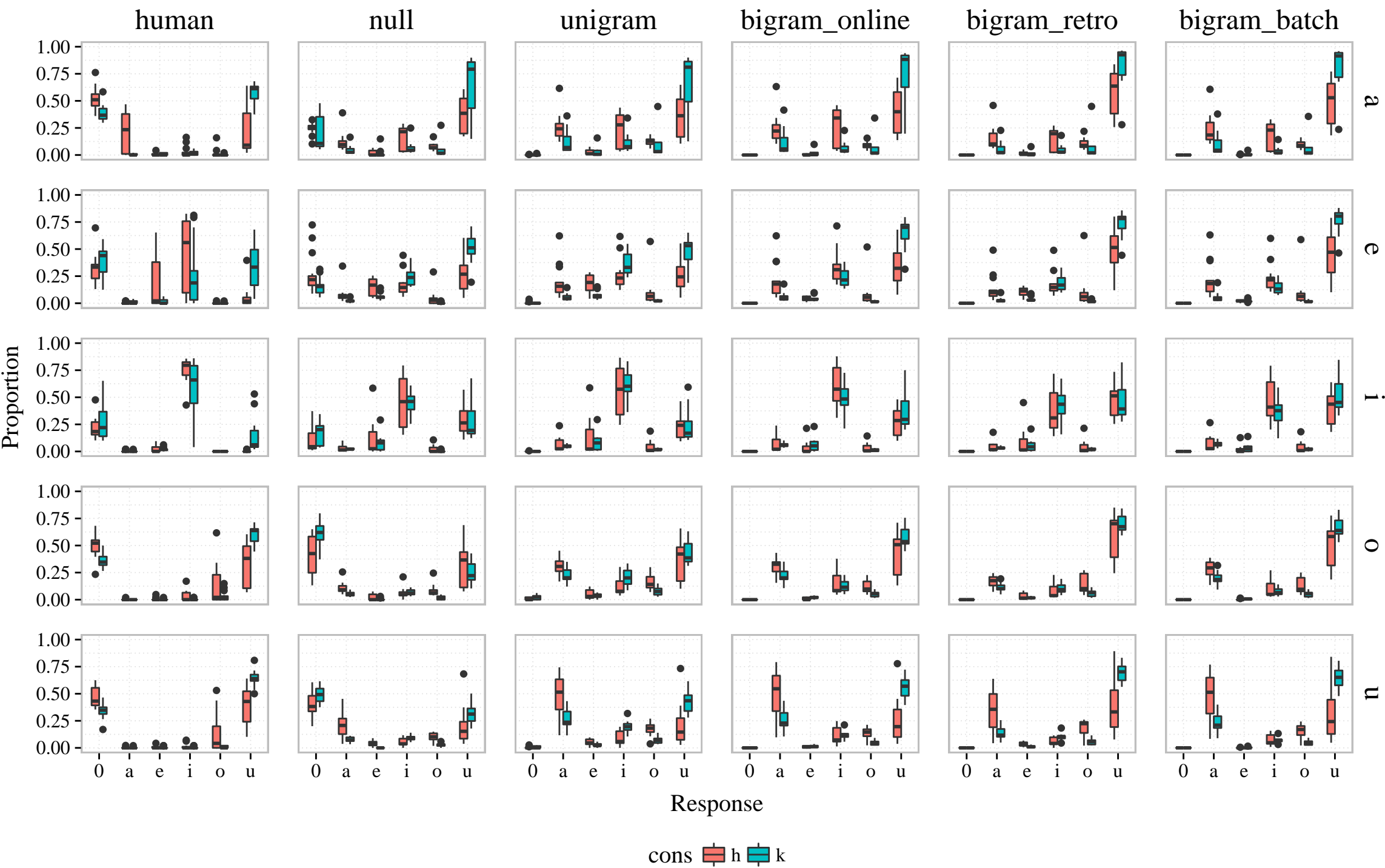
bigram_batch



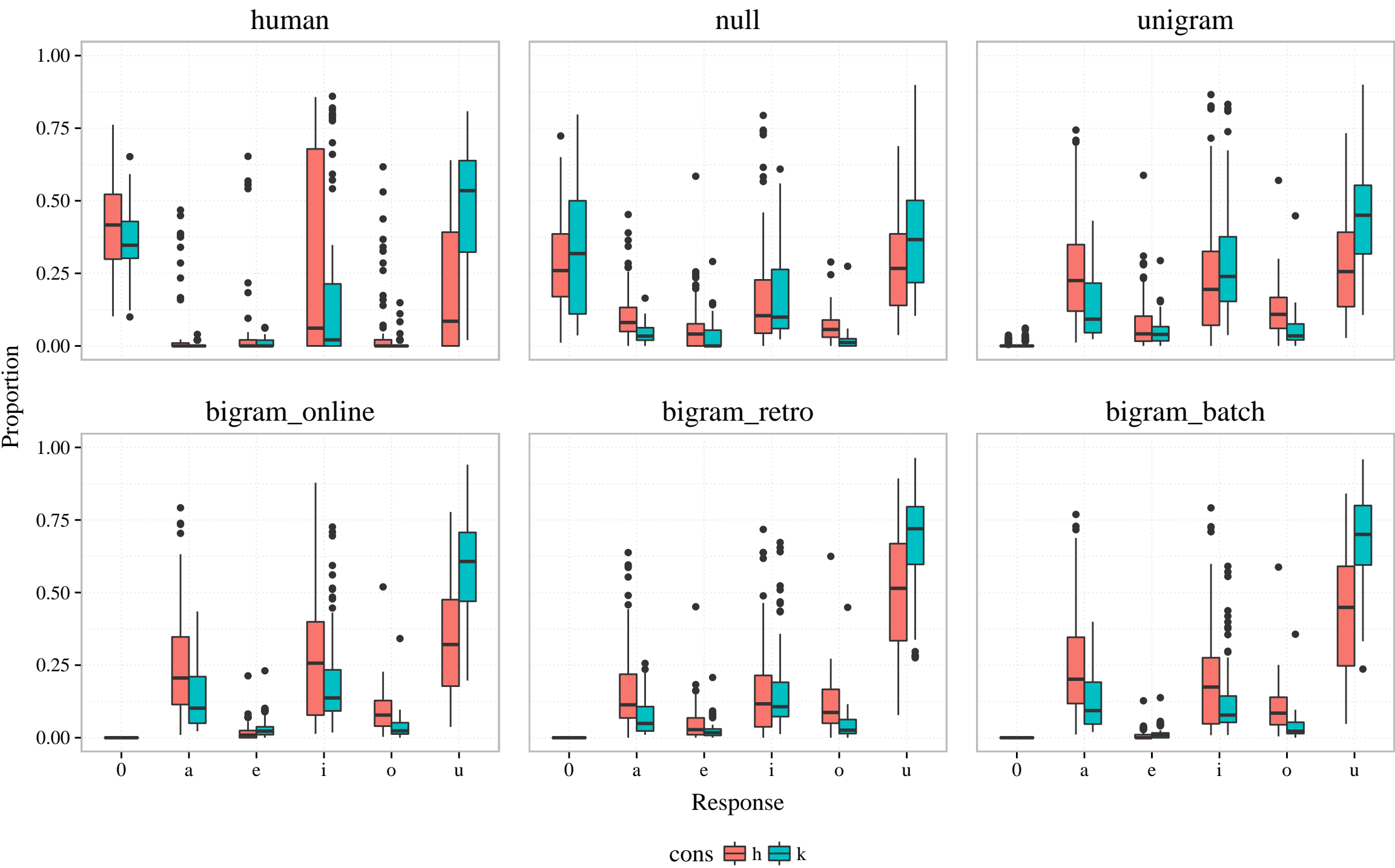
Response

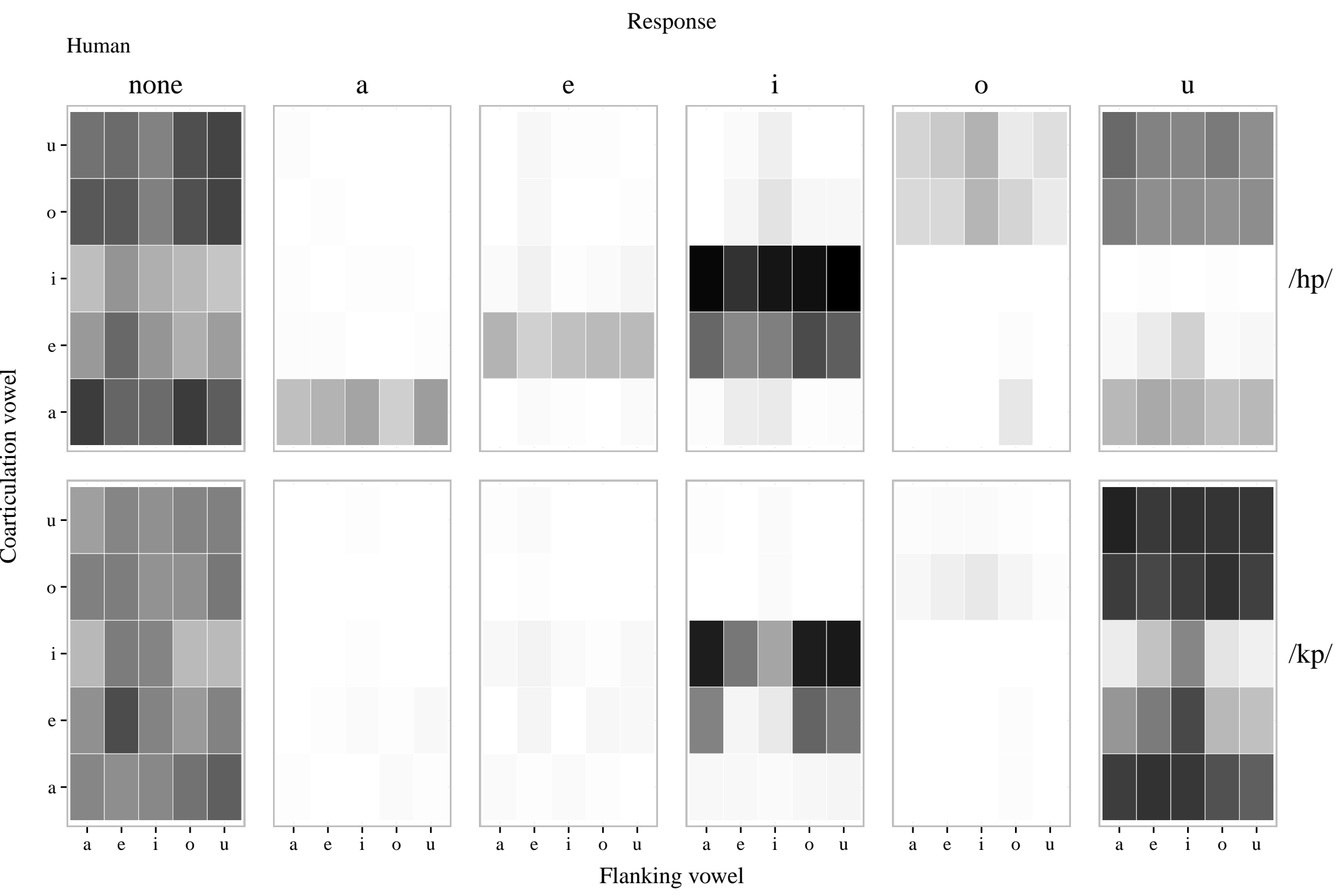
cons h k

Spliced clusters (by coart)



Spliced clusters





Response

LM = null

Coarticulation vowel

/hp/

/kp/

Flanking vowel

none

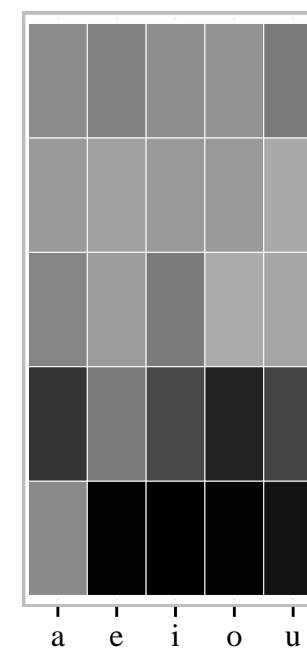
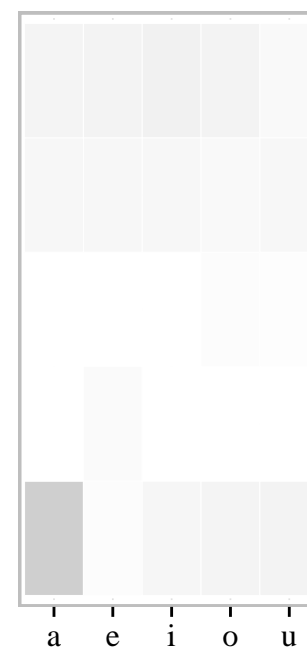
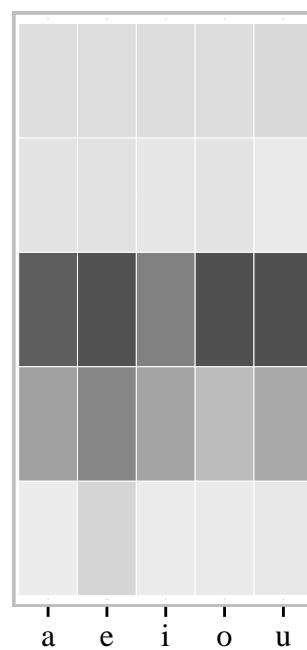
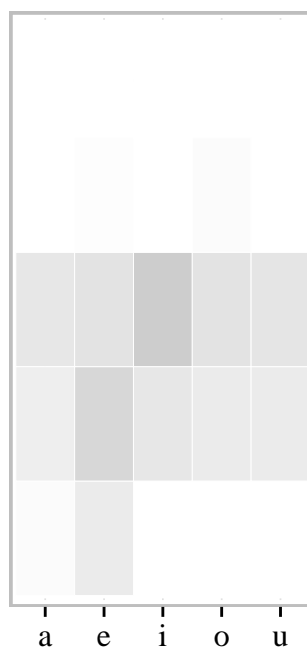
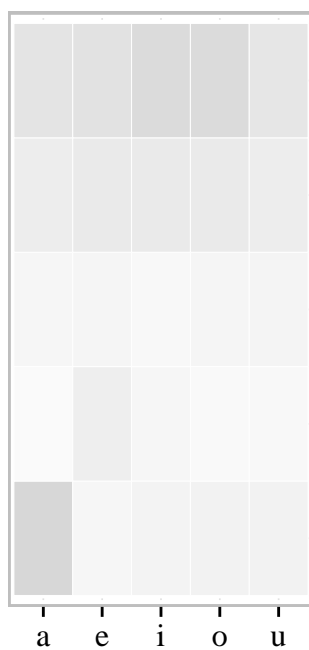
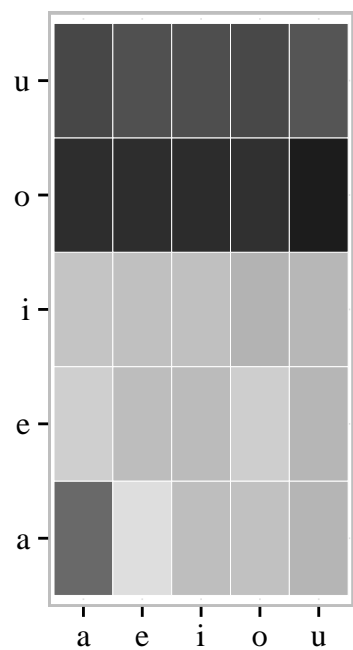
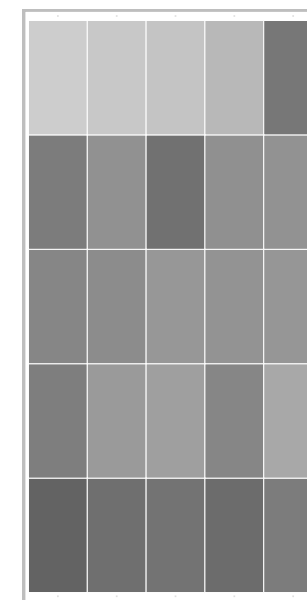
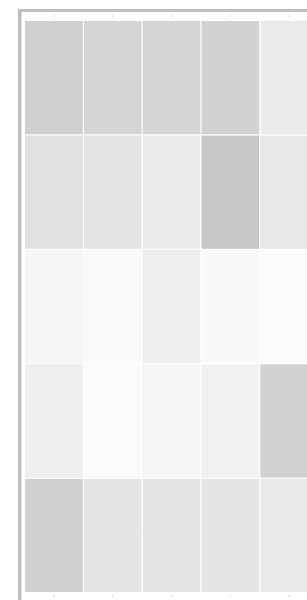
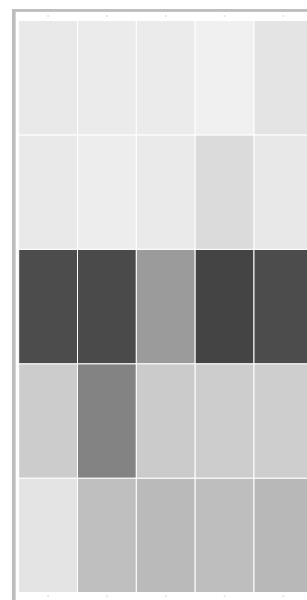
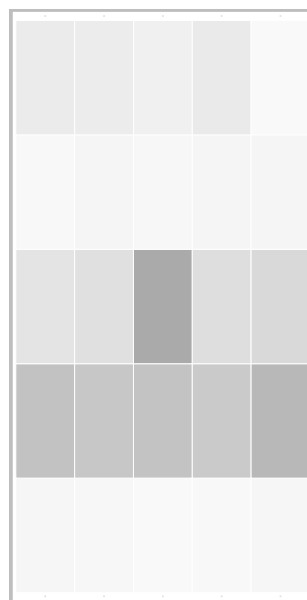
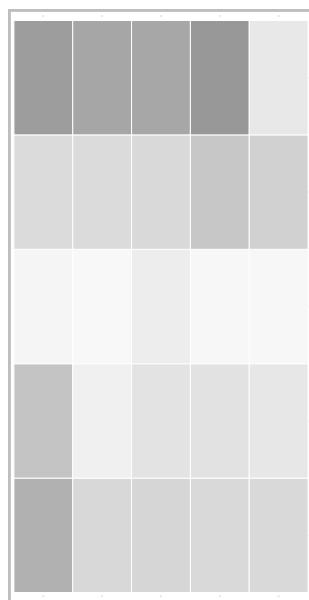
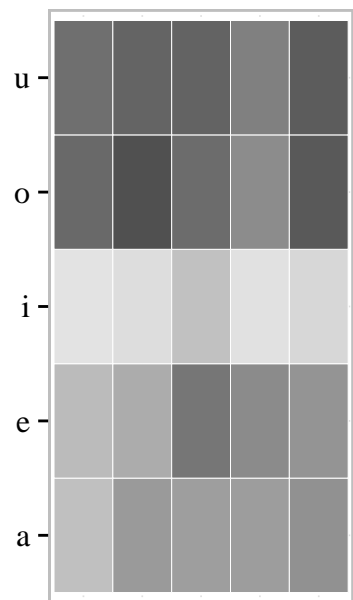
a

e

i

o

u



LM = unigram

a

e

i

O

u

u -

0 -

i-

e -

a -

/hp/

Coarticulation vowel

4 -

0 -

i-

e -

a -

/kp/

a e i o u

a e i o u

a e i o u

a e i o u

a e i o u

a e i o u

Flanking vowel

LM = bigram online

a

e

i

O

u

u -

0 -

i-

e -

a -

/hp/

/kp/

Coarticulation vowel

u -

0 -

i-

e -

a -

a e i o u

a e i o u

a e i o u

a e i o u

a e i o u

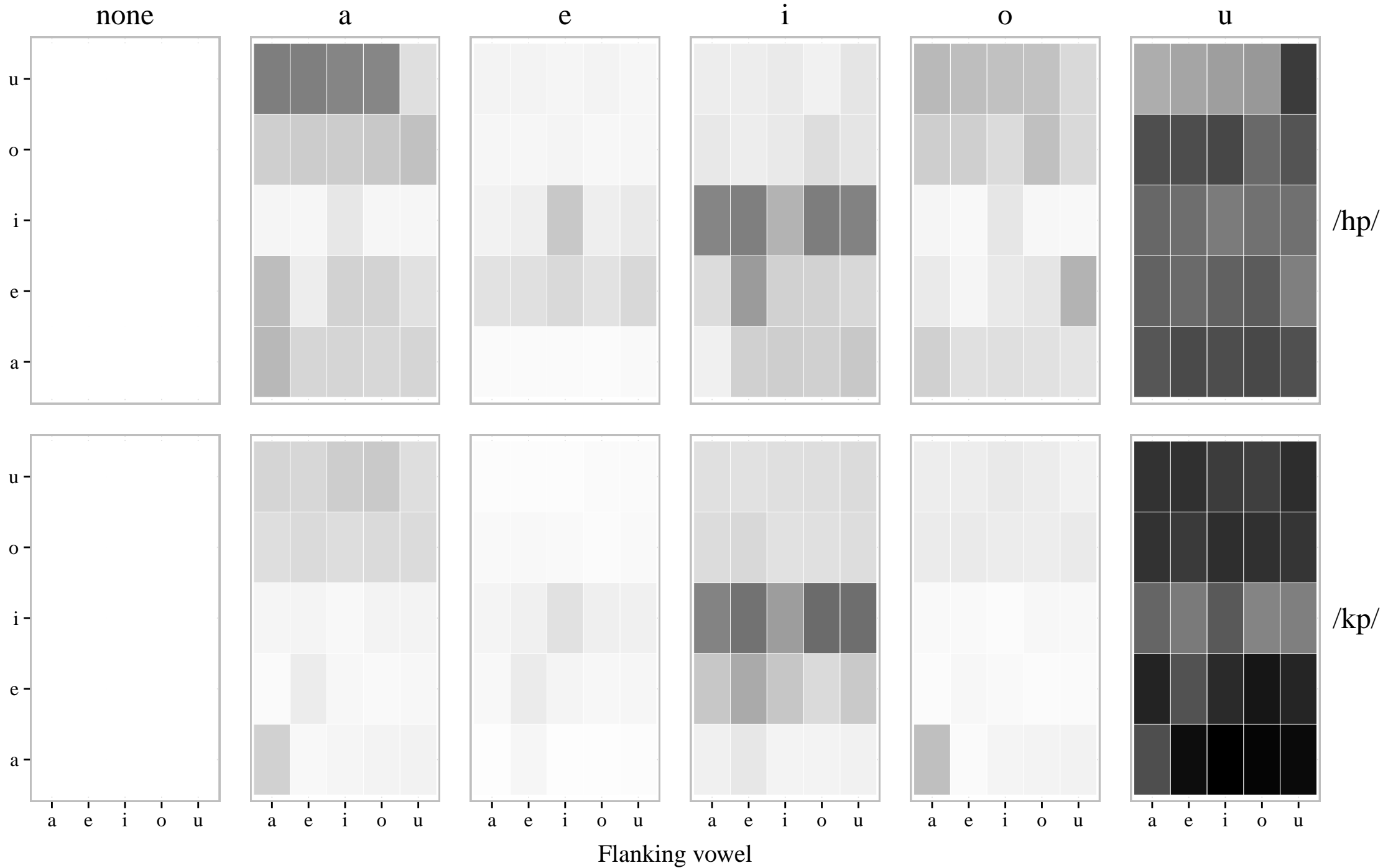
a e i o u

Flanking vowel

LM = bigram retro

Response

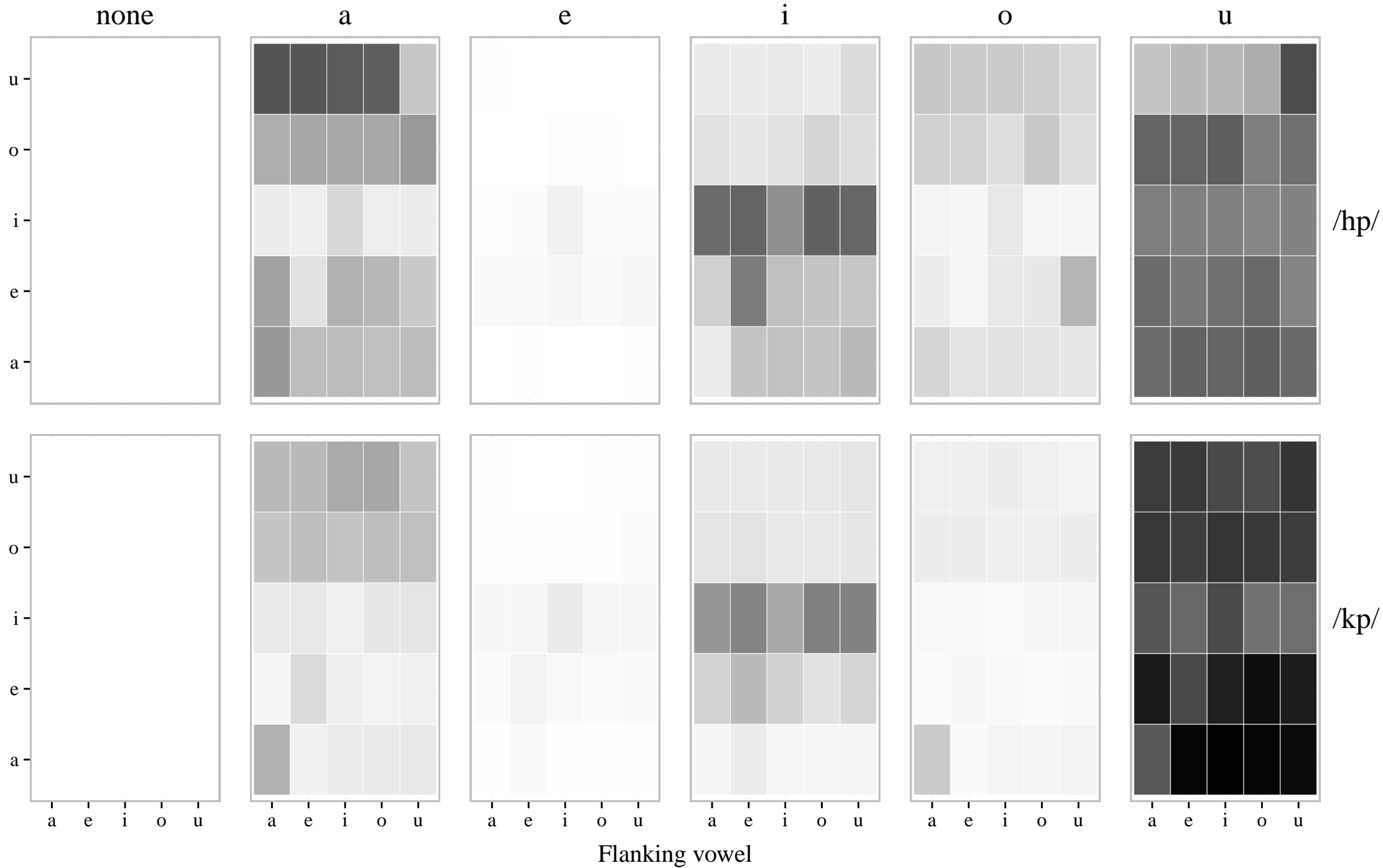
Coarticulation vowel



LM = bigram batch

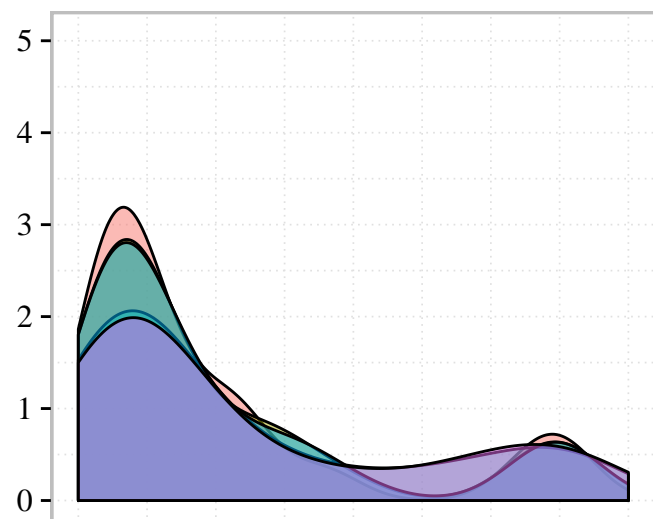
Response

Coarticulation vowel

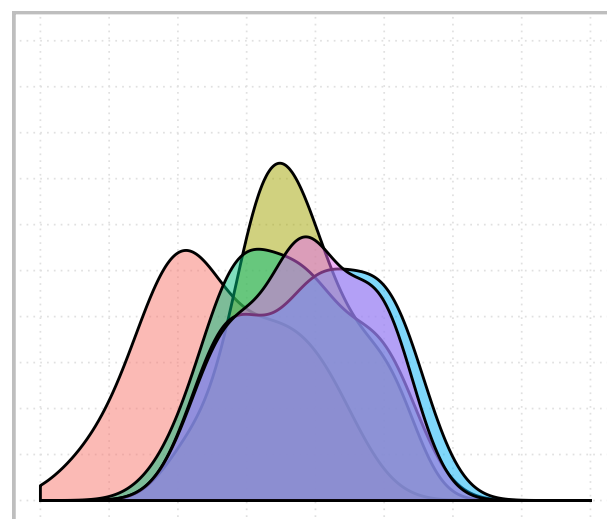


All 6 answers

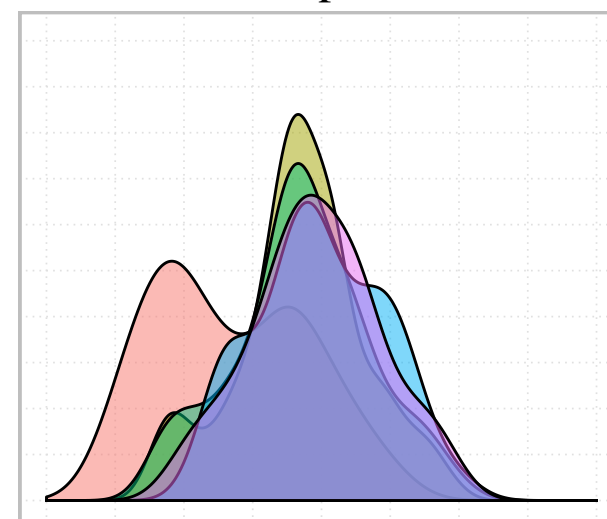
h
full



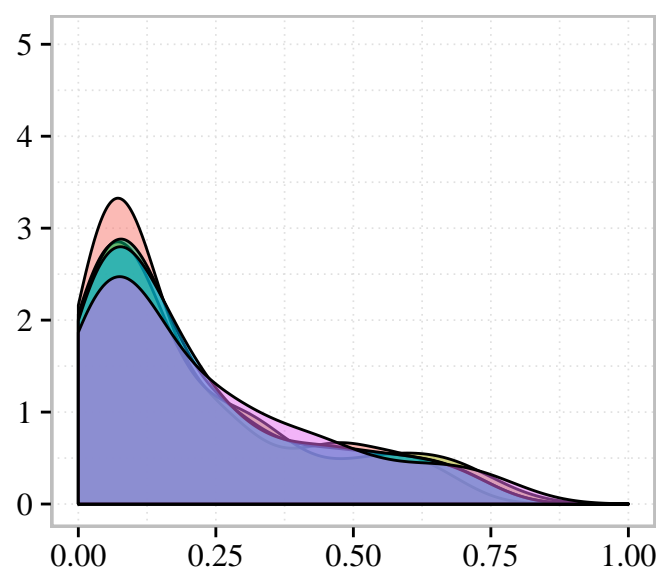
h
nat



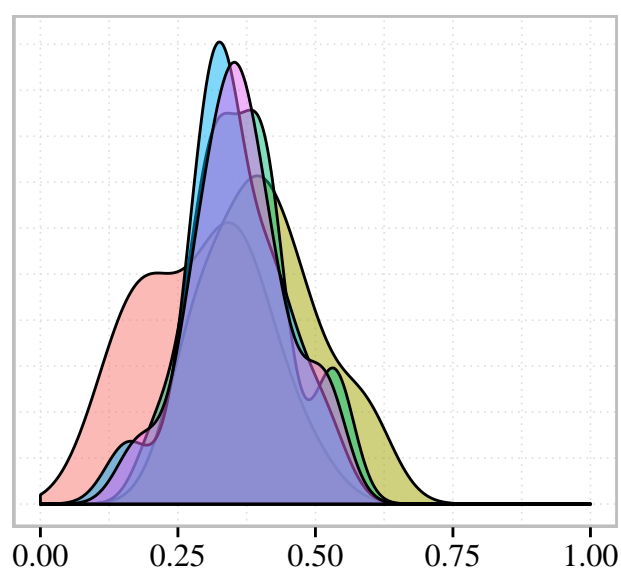
h
sp



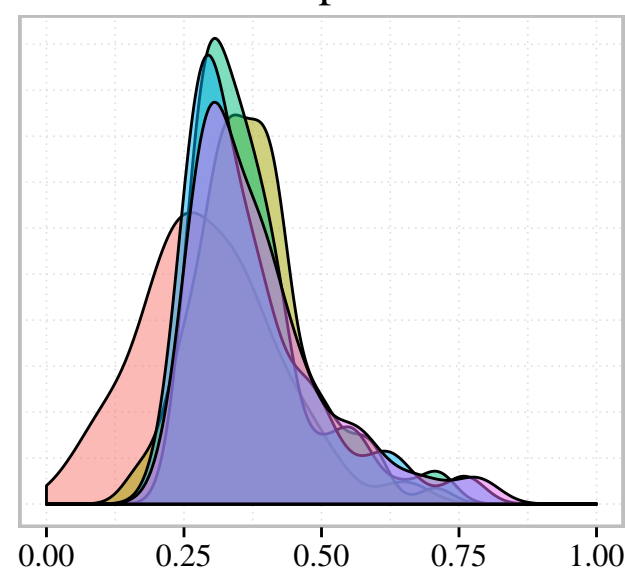
k
full



k
nat



k
sp



lm

- null
- unigram
- bigram_online
- bigram_retro
- bigram_batch

Without "none"

full

nat

sp

density

h

k

lm

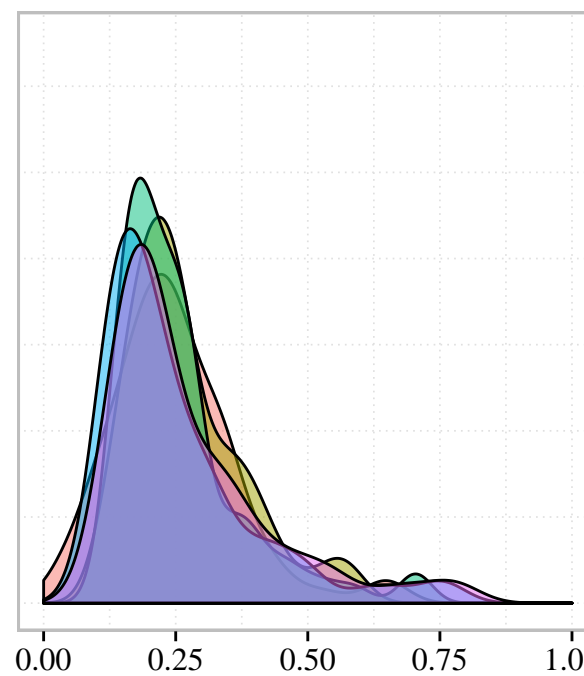
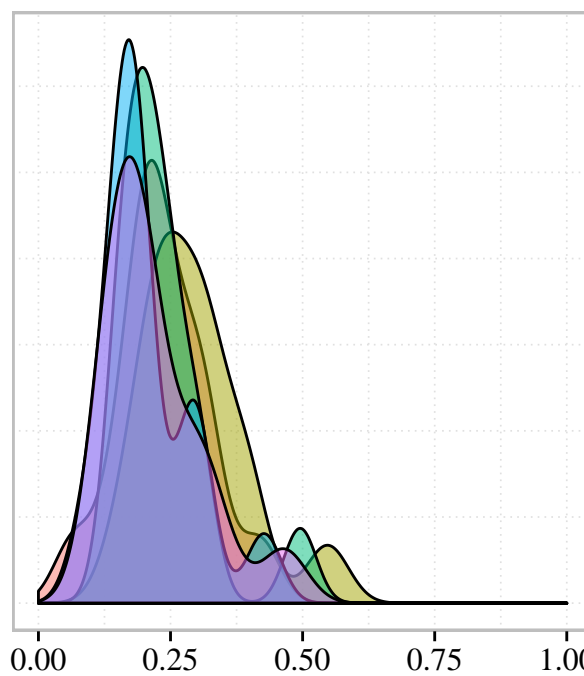
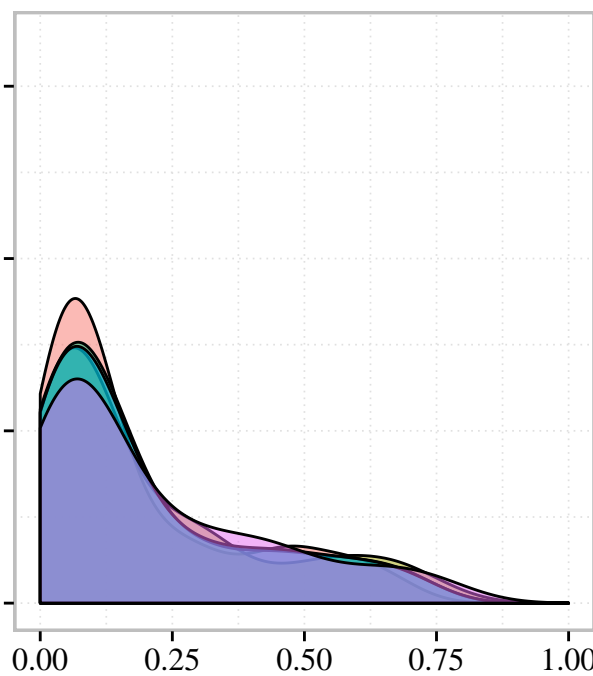
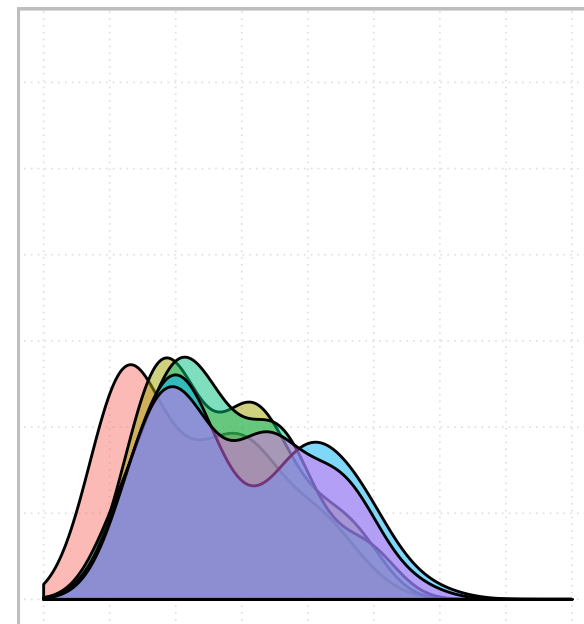
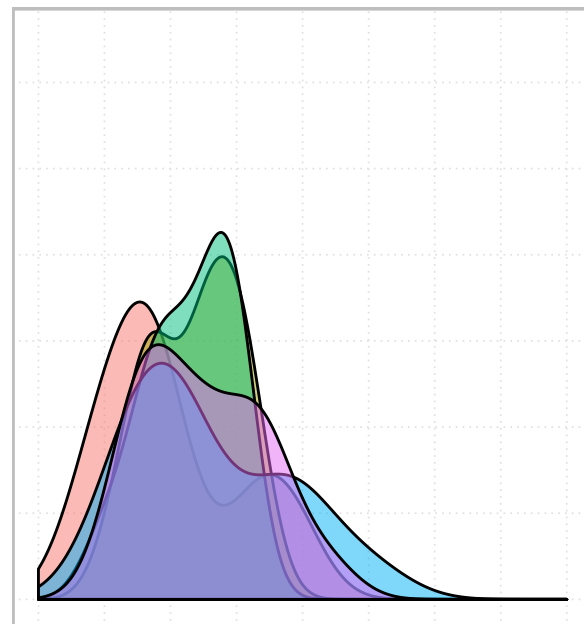
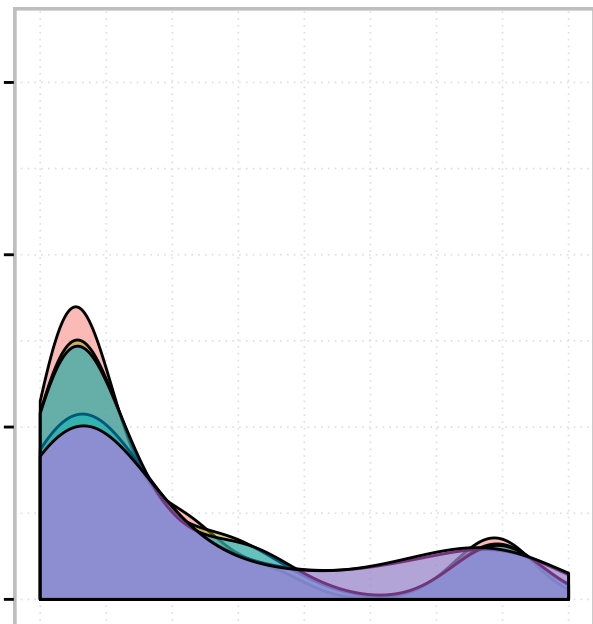
null

unigram

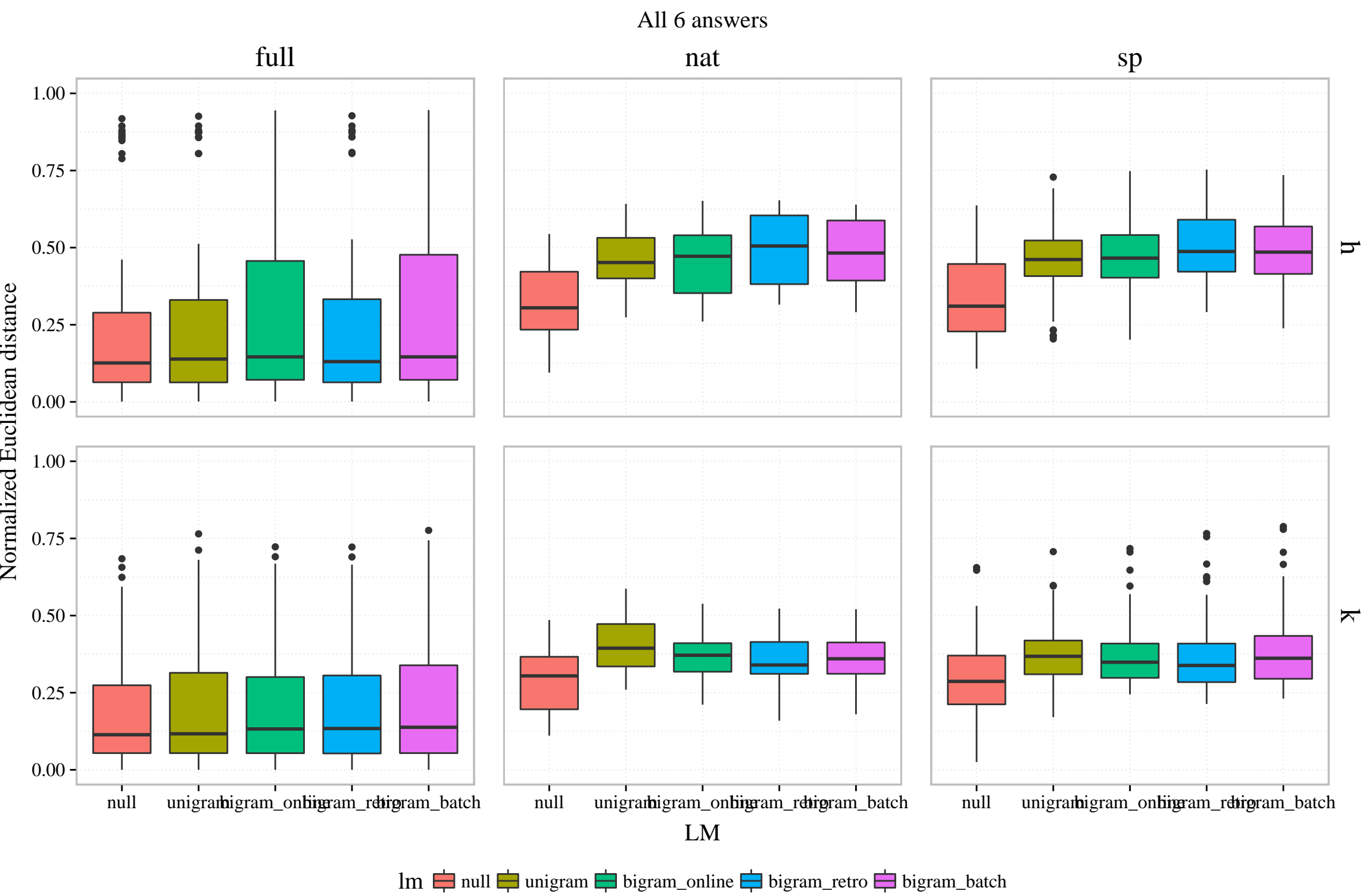
bigram_online

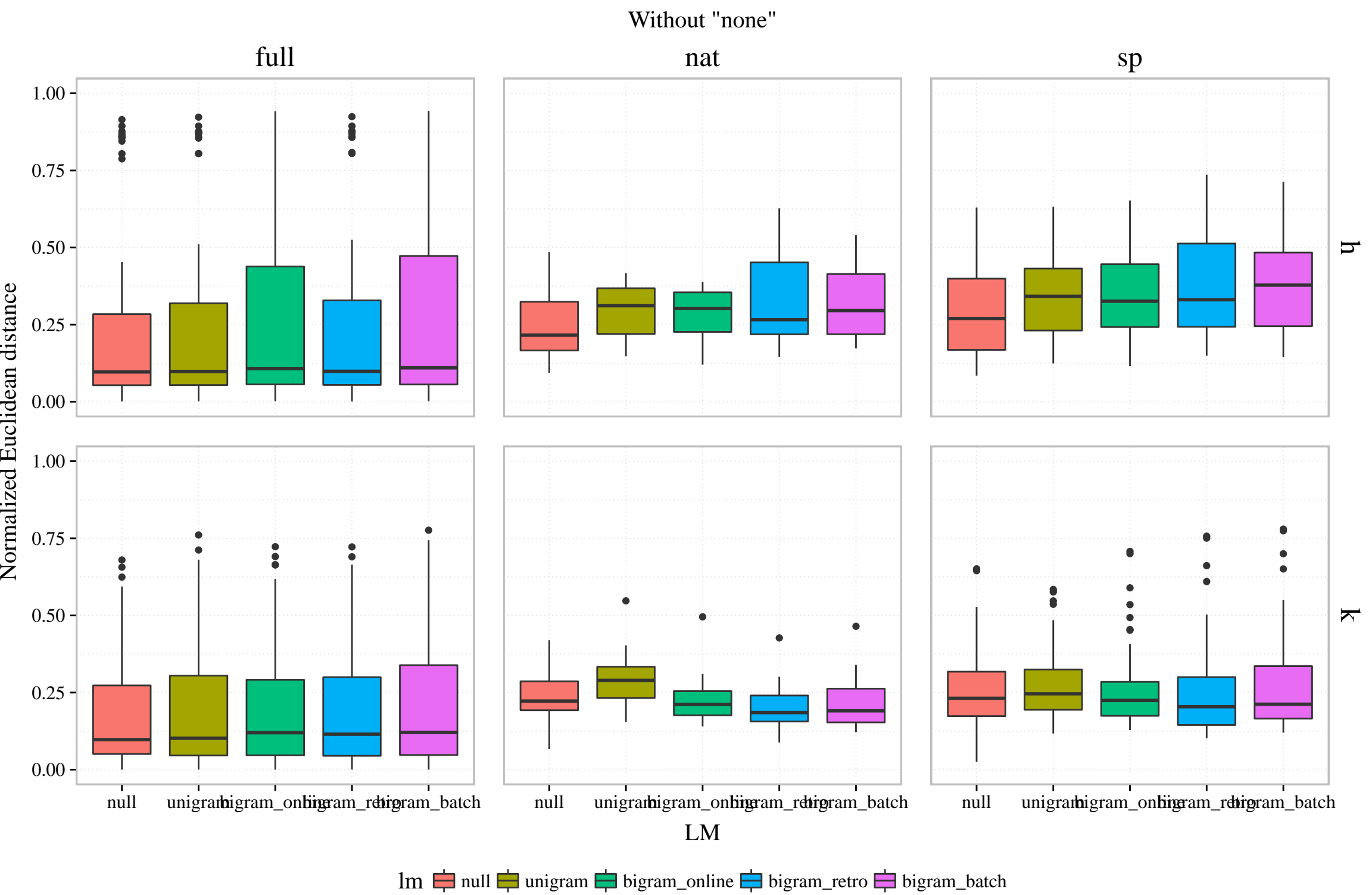
bigram_retro

bigram_batch

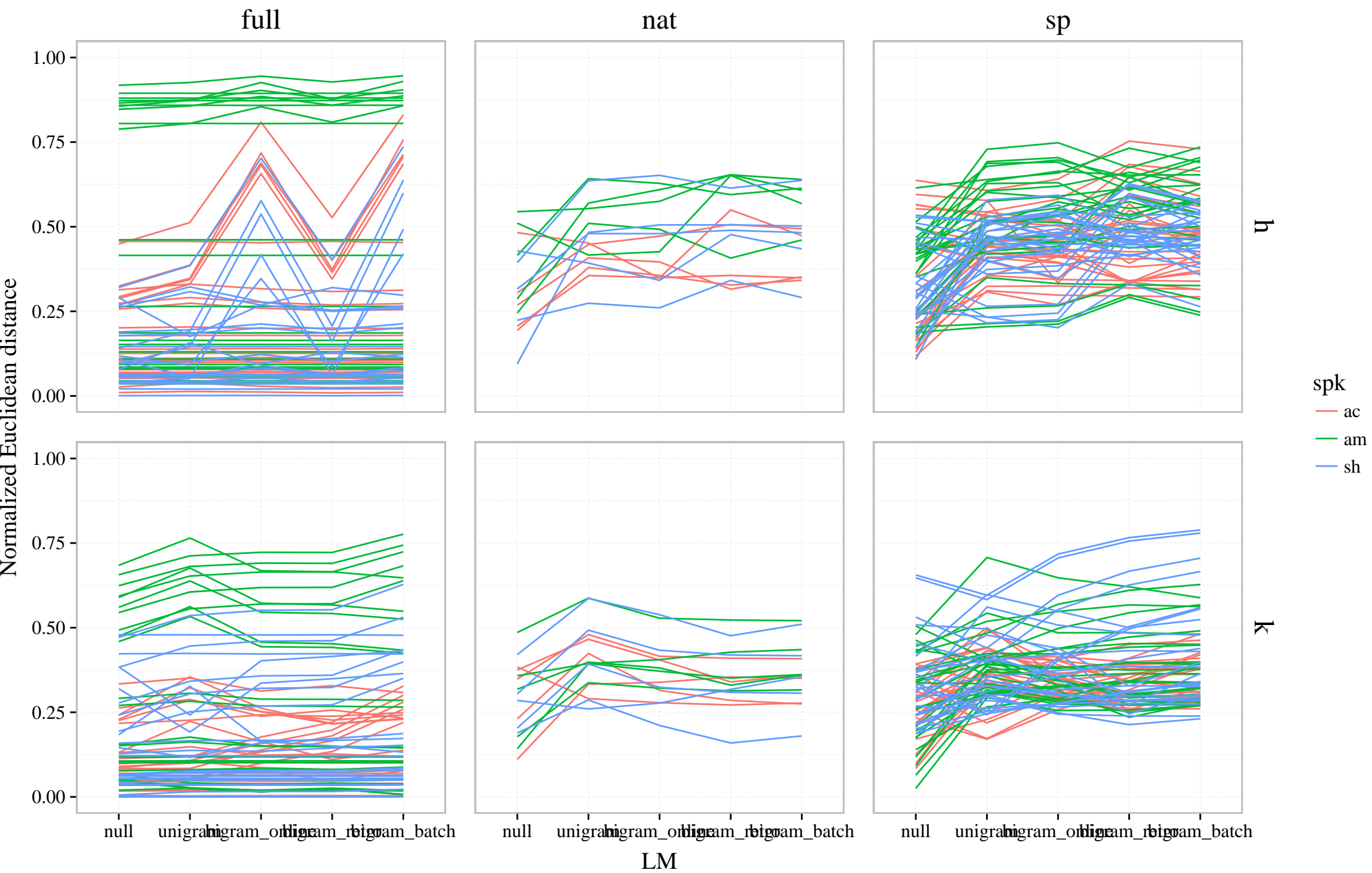


modper.dist





All 6 answers



Without "none"

Normalized Euclidean distance

full

nat

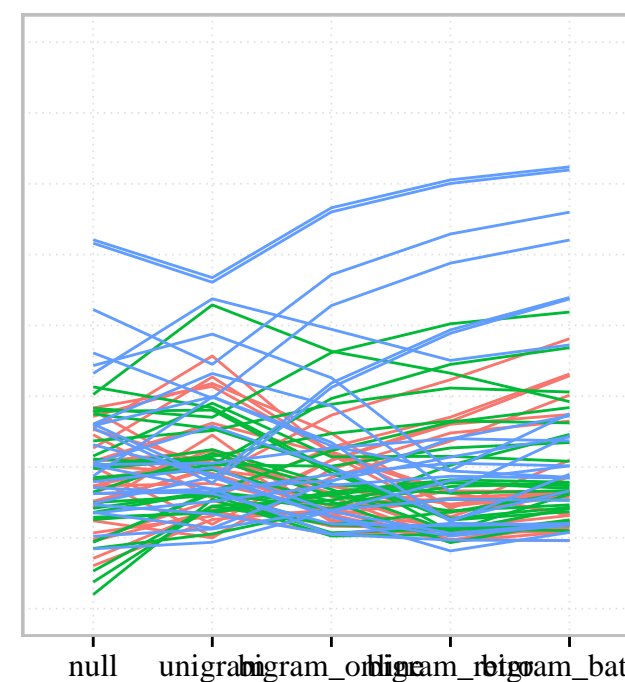
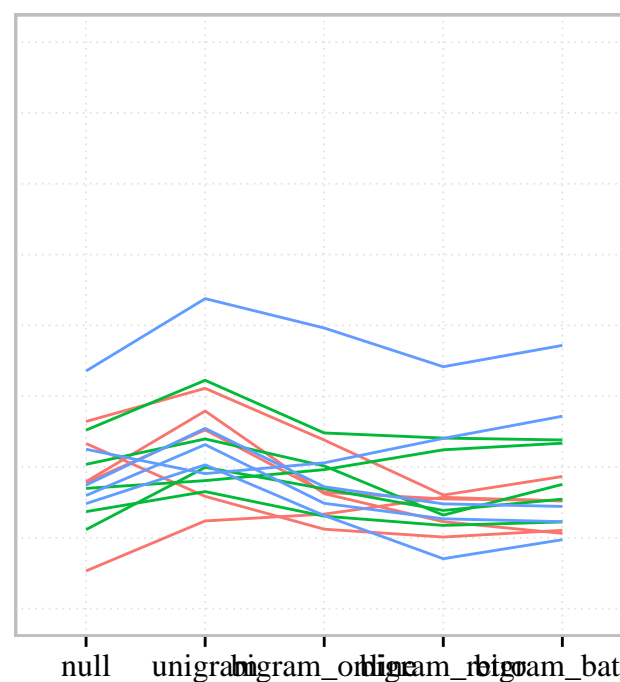
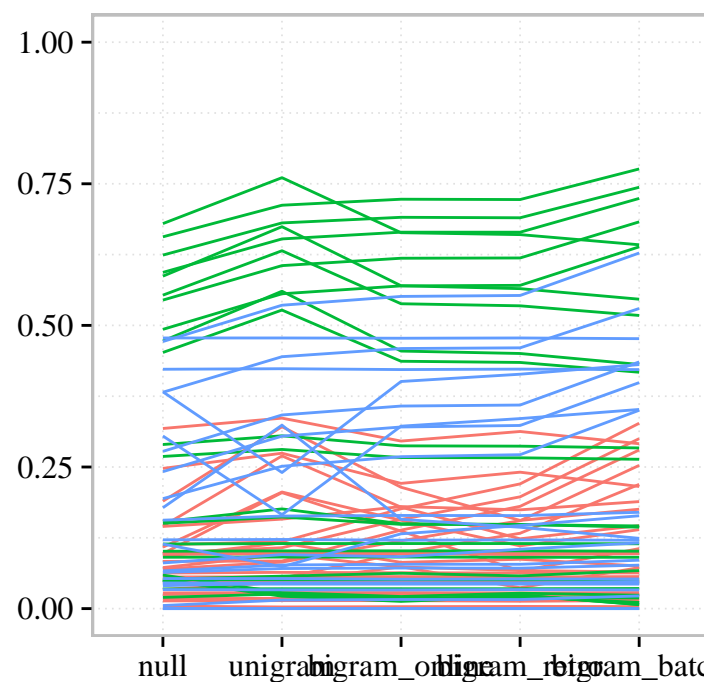
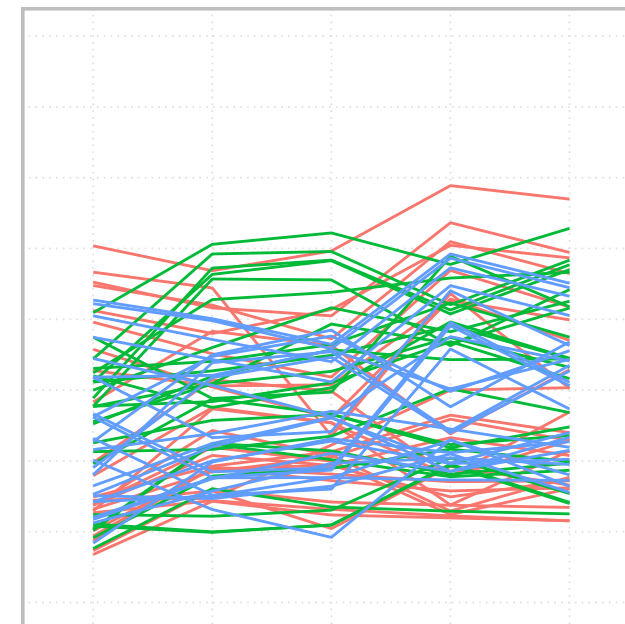
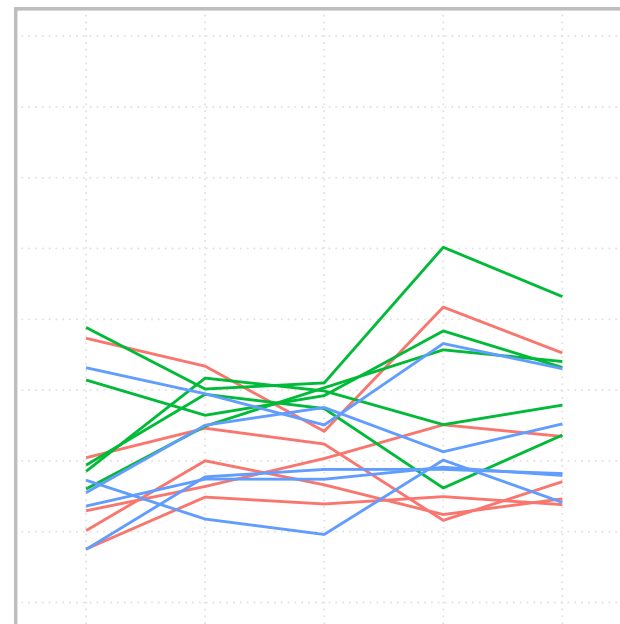
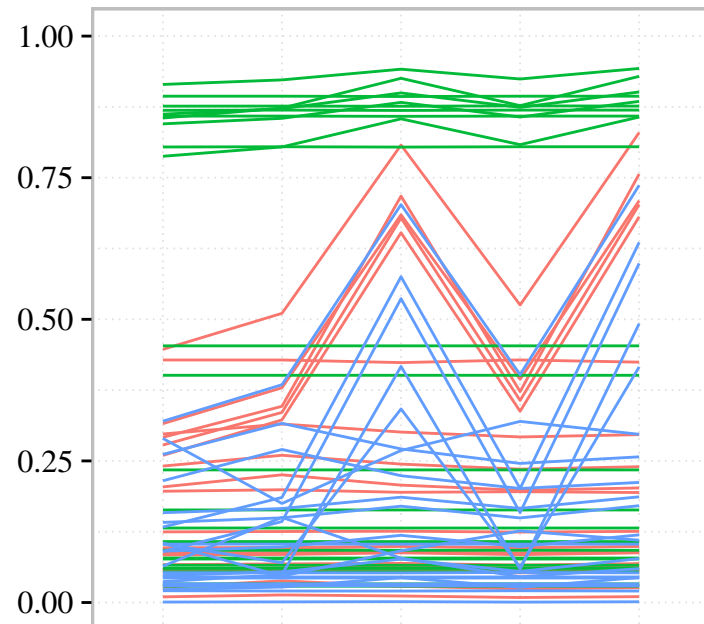
sp

h

spk

ac
am
sh

k



LM