

Appendices

A Conversion table of IPA and KoG2P phoneme set

IPA	KoG2P phoneme	IPA	KoG2P phoneme
b	p0	ts̺	cc
d	t0	ts̺ ^h	ch
dz	c0	tɕ	c0
dʒ	c0	tɕ̺	cc
g	k0	tɕ̺ ^h	ch
h	h0	w	wa, wq, wv, we, wi
fi	h0	z	s0
j	ya, yq, yv, ye, yo, yu	ʒ	s0
k	kf	a	aa
k̺	kk	a:	aa
k̺ ^h	kh	e	ee
l	ll	e:	ee
m	mf, mm	ɛ	qq
n	nn, nf	ɛ:	qq
ŋ	ng	i	ii
p	pf	i:	ii
p̺	pp	o	oo
p̺ ^h	ph	o:	oo
r	rr	ø	wo
s	s0	ø:	wo
s̺	ss	u	uu
ɕ	s0	u:	uu
ɕ̺	ss	ʌ	vv
t̺	tf	ə:	vv
t̺ ^h	tt	ui	xx
ts	th	ui:	xx
	c0	uii	xi

We made this table by referring Handbook of the International Phonetic Association¹ and KoG2P². Note that, some of the KoG2P phonemes (ks, nc, nh, lk, lm, lb, ls, lt, lp, lh, ps) are not included in the table, because we could not find exact match for those phonemes.

¹I. P. Association, C. PRESS, and D. Decker. Handbook of the International Phonetic Association: A Guide to the Use of the International Phonetic Alphabet. A Regents publication. Cambridge University Press, 1999. ISBN 9780521637510.

²Y. Cho. Kog2p. <https://github.com/scarletcho/KoG2P>, 2017.

B Common phonemes between English and Korean by IPA

IPA	ENG	KOR
b	B	p0
d	D	t0
ɛ	EH	qq
g	G	k0
h	HH, H	h0
i	IY	ii
j	Y	ya, yq, yv, ye, yo, yu
k	K	kf
l	L	ll
m	M	mf, mm
n	N	nn, nf
ŋ	NX, NG	ng
p	P	pf
r	DX	rr
s	S	s0
t	T	tf
u	UW	uu
ʌ	AH	vv
w	W	wa, wq, wv, we, wi
z	Z	s0

The IPA symbols in this table appear in both English and Korean. The phoneme symbols in the second and third columns are corresponding phonemes in English and Korean.