

THE INTERNATIONAL PHONETIC ALPHABET (revised to 2018)

CONSONANTS (PULMONIC)

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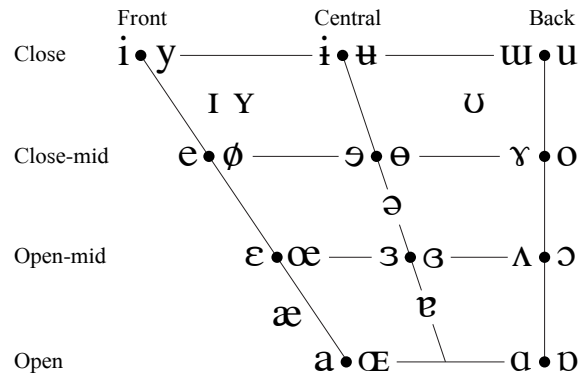
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			r					ʀ		
Tap or Flap		ⱱ		ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant		ʋ		ɹ		ɻ	j	ɰ			
Lateral approximant				l		ɭ	ʎ	ʟ			

Symbols to the right in a cell are voiced, to the left are voiceless. Shaded areas denote articulations judged impossible.

CONSONANTS (NON-PULMONIC)

Clicks	Voiced implosives	Ejectives
Ʉ Bilabial	ɓ Bilabial	' Examples:
Dental	ɗ Dental/alveolar	p' Bilabial
! (Post)alveolar	ɟ Palatal	t' Dental/alveolar
≠ Palatoalveolar	ɡ Velar	k' Velar
Alveolar lateral	ɠ Uvular	s' Alveolar fricative

VOWELS



Where symbols appear in pairs, the one to the right represents a rounded vowel.

OTHER SYMBOLS

- ɱ** Voiceless labial-velar fricative **ɕ ʑ** Alveolo-palatal fricatives
 - ʋ** Voiced labial-velar approximant **ɻ** Voiced alveolar lateral flap
 - ɥ** Voiced labial-palatal approximant **ɧ** Simultaneous **ʃ** and **x**
 - ħ** Voiceless epiglottal fricative
 - ʕ** Voiced epiglottal fricative
 - ʡ** Epiglottal plosive
- Affricates and double articulations can be represented by two symbols joined by a tie bar if necessary. **ts̠** **kp̠**

SUPRASEGMENTALS

- ˈ** Primary stress **ˌ** Secondary stress **founəˈtʃən**
- ː** Long **eː**
- ˑ** Half-long **eˑ**
- ˘** Extra-short **ɛ̘**
- ̩** Minor (foot) group
- ̪** Major (intonation) group
- ˑ** Syllable break **ˑi.ækt**
- ̥** Linking (absence of a break)

TONES AND WORD ACCENTS

- | LEVEL | CONTOUR |
|---------------------------------|----------------------------------|
| ē or ᵿ Extra high | ě or ∧ Rising |
| é ᵿ High | ê ∨ Falling |
| ē ᵿ Mid | ẽ ∧ High rising |
| è ᵿ Low | ẽ ∧ Low rising |
| ě ᵿ Extra low | ẽ ∧ Rising-falling |
| ↓ Downstep | ↗ Global rise |
| ↑ Upstep | ↘ Global fall |

DIACRITICS Some diacritics may be placed above a symbol with a descender, e.g. **ɲ̥**

◌̥ Voiceless	◌̤ Breathy voiced	◌̜ Dental
◌̦ Voiced	◌̧ Creaky voiced	◌̞ Apical
◌̨ Aspirated	◌̩ Linguolabial	◌̚ Laminal
◌̜ More rounded	◌̞ Labialized	◌̠ Nasalized
◌̠ Less rounded	◌̡ Palatalized	◌̣ Nasal release
◌̢ Advanced	◌̤ Velarized	◌̥ Lateral release
◌̣ Retracted	◌̦ Pharyngealized	◌̧ No audible release
◌̨ Centralized	◌̩ Velarized or pharyngealized	
◌̜ Mid-centralized	◌̞ Raised	
◌̦ Syllabic	◌̧ Lowered	
◌̨ Non-syllabic	◌̩ Advanced Tongue Root	
◌̜ Rhoticity	◌̞ Retracted Tongue Root	

THE IPA NUMBER CHART (revised to 2018)

CONSONANTS (PULMONIC)

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	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	101 102		103 104			105 106	107 108	109 110	111 112		113
Nasal	114	115	116			117	118	119	120		
Trill	121		122						123		
Tap or Flap		184	124			125					
Fricative	126 127	128 129	130 131	132 133	134 135	136 137	138 139	140 141	142 143	144 145	146 147
Lateral fricative			148 149								
Approximant		150	151			152	153	154			
Lateral approximant			155			156	157	158			

Symbols to the right in a cell are voiced, to the left are voiceless. Shaded areas denote articulations judged impossible.

CONSONANTS (NON-PULMONIC)

Clicks	Voiced implosives	Ejectives
176 Bilabial	160 Bilabial	401 Examples:
177 Dental	162 Dental/alveolar	+ ¹⁰¹ ₄₀₁ Bilabial
178 (Post)alveolar	164 Palatal	+ ¹⁰³ ₄₀₁ Dental/alveolar
179 Palatoalveolar	166 Velar	+ ¹⁰⁹ ₄₀₁ Velar
180 Alveolar lateral	168 Uvular	+ ¹³² ₄₀₁ Alveolar fricative

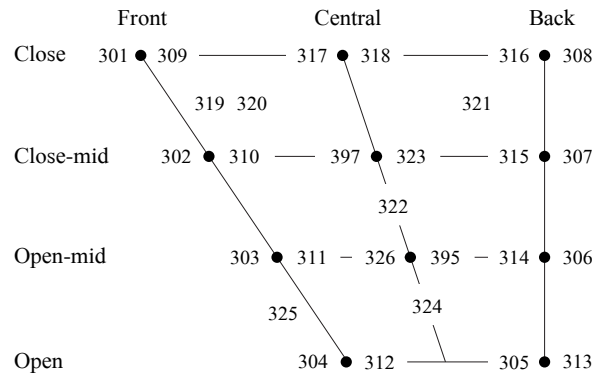
OTHER SYMBOLS

- 169 Voiceless labial-velar fricative 182 183 Alveolo-palatal fricatives
- 170 Voiced labial-velar approximant 181 Voiced alveolar lateral flap
- 171 Voiced labial-palatal approximant 175 Simultaneous 134 and 140
- 172 Voiceless epiglottal fricative
- 174 Voiced epiglottal fricative Affricates and double articulations can be represented by two symbols joined by a tie bar if necessary. (509) 433
- 173 Epiglottal plosive

DIACRITICS Some diacritics may be placed above a symbol with a descender, e.g. 119+402B

402A Voiceless	ɳ ɠ	405 Breathy voiced	ɸ ɶ	408 Dental	ɽ ɻ
403 Voiced	ɹ ɻ	406 Creaky voiced	ɸ̰ ɶ̰	409 Apical	ɽ̰ ɻ̰
404 Aspirated	ɽ^h ɻ^h	407 Linguolabial	ɸ̣ ɶ̣	410 Laminal	ɽ̣ ɻ̣
411 More rounded	ɹ̠	420 Labialized	ɸ^w ɶ^w	424 Nasalized	ẽ
412 Less rounded	ɹ̠̹	421 Palatalized	ɸ^j ɶ^j	425 Nasal release	dⁿ
413 Advanced	ɸ̟	422 Velarized	ɸ^ɰ ɶ^ɰ	426 Lateral release	d^l
414 Retracted	ɸ̠	423 Pharyngealized	ɸ^ɣ ɶ^ɣ	427 No audible release	d^ɹ
415 Centralized	ẽ	428 Velarized or pharyngealized	209		
416 Mid-centralized	ẽ̞	429 Raised	ɛ̥ (ɹ̥ = voiced alveolar fricative)		
431 Syllabic	ɳ̥	430 Lowered	ɛ̜ (ɸ̜ = voiced bilabial approximant)		
432 Non-syllabic	ɳ̥̥	417 Advanced Tongue Root	ɛ̟		
419 Rhoticity	327 ɹ̥	418 Retracted Tongue Root	ɛ̠		

VOWELS



Where symbols appear in pairs, the one to the right represents a rounded vowel.

SUPRASEGMENTALS

- 501 Primary stress **ˈ** *founəˈtʃən*
- 502 Secondary stress **ˈ**
- 503 Long **ː**
- 504 Half-long **ˑ**
- 505 Extra-short **˚**
- 507 Minor (foot) group
- 508 Major (intonation) group
- 506 Syllable break **ˌi.ækt**
- 509 Linking (absence of a break)

TONES AND WORD ACCENTS

- | LEVEL | CONTOUR |
|--------------------------------|------------------------|
| 512 or 519 ˥ Extra high | 524 or 529 Rising |
| 513 520 High | 525 530 Falling |
| 514 521 Mid | 526 531 High rising |
| 515 522 Low | 527 532 Low rising |
| 516 523 ˩ Extra low | 528 533 Rising-falling |
| 517 Downstep | 510 Global rise |
| 518 Upstep | 511 Global fall |

CONSONANTS (PULMONIC)

p Name: VOICELESS BILABIAL PLOSIVE
 IPA name: Lower-case P
 IPA number: 101
 Unicode name: LATIN SMALL LETTER P
 Unicode range: Basic Latin
 Hex value: 0070
 TIPA code: p
 AFII code: E2A2

t Name: VOICELESS DENTAL/ALVEOLAR PLOSIVE
 IPA name: Lower-case T
 IPA number: 103
 Unicode name: LATIN SMALL LETTER T
 Unicode range: Basic Latin
 Hex value: 0074
 TIPA code: t
 AFII code: E2B0

ʈ Name: VOICELESS RETROFLEX PLOSIVE
 IPA name: Right-tail T
 IPA number: 105
 Unicode name: LATIN SMALL LETTER T W/ RETROFLEX HOOK
 Unicode range: IPA Extensions
 Hex value: 0288
 TIPA code: \ːt
 AFII code: E2C7

c Name: VOICELESS PALATAL PLOSIVE
 IPA name: Lower-case C
 IPA number: 107
 Unicode name: LATIN SMALL LETTER C
 Unicode range: Basic Latin
 Hex value: 0063
 TIPA code: c
 AFII code: E2D8

k Name: VOICELESS VELAR PLOSIVE
 IPA name: Lower-case K
 IPA number: 109
 Unicode name: LATIN SMALL LETTER K
 Unicode range: Basic Latin
 Hex value: 006B
 TIPA code: k
 AFII code: E2DE

q Name: VOICELESS UVULAR PLOSIVE
 IPA name: Lower-case Q
 IPA number: 111
 Unicode name: LATIN SMALL LETTER Q
 Unicode range: Basic Latin
 Hex value: 0071
 TIPA code: q
 AFII code: E2E6

ʔ Name: GLOTTAL PLOSIVE
 IPA name: Glottal stop
 IPA number: 113
 Unicode name: LATIN LETTER GLOTTAL STOP
 Unicode range: IPA Extensions
 Hex value: 0294
 TIPA code: P
 AFII code: E2ED

b Name: VOICED BILABIAL PLOSIVE
 IPA name: Lower-case B
 IPA number: 102
 Unicode name: LATIN SMALL LETTER B
 Unicode range: Basic Latin
 Hex value: 0062
 TIPA code: b
 AFII code: E2A3

d Name: VOICED DENTAL/ALVEOLAR PLOSIVE
 IPA name: Lower-case D
 IPA number: 104
 Unicode name: LATIN SMALL LETTER D
 Unicode range: Basic Latin
 Hex value: 0064
 TIPA code: d
 AFII code: E2B1

ɖ Name: VOICED RETROFLEX PLOSIVE
 IPA name: Right-tail D
 IPA number: 106
 Unicode name: LATIN SMALL LETTER D W/ TAIL
 Unicode range: IPA Extensions
 Hex value: 0256
 TIPA code: \ːd
 AFII code: E2C8

ɟ Name: VOICED PALATAL PLOSIVE
 IPA name: Barred dotless J
 IPA number: 108
 Unicode name: LATIN SMALL LETTER DOTLESS J W/ STROKE
 Unicode range: IPA Extensions
 Hex value: 025F
 TIPA code: \textbardotlessj
 AFII code: E2D9

g Name: VOICED VELAR PLOSIVE
 IPA name: Opentail G
 IPA number: 110
 Unicode name: LATIN SMALL LETTER SCRIPT G
 Unicode range: IPA Extensions
 Hex value: 0261
 TIPA code: g
 AFII code: E2DF

Ǫ Name: VOICED UVULAR PLOSIVE
 IPA name: Small capital G
 IPA number: 112
 Unicode name: LATIN LETTER SMALL CAPITAL G
 Unicode range: IPA Extensions
 Hex value: 0262
 TIPA code: \;G
 AFII code: E2E7

m Name: VOICED BILABIAL NASAL
 IPA name: Lower-case M
 IPA number: 114
 Unicode name: LATIN SMALL LETTER M
 Unicode range: Basic Latin
 Hex value: 006D
 TIPA code: m
 AFII code: E2A1

CONSONANTS (PULMONIC)

m Name: VOICED LABIODENTAL NASAL
 IPA name: Left-tail M (at right)
 IPA number: 115
 Unicode name: LATIN SMALL LETTER M W/ HOOK
 Unicode range: IPA Extensions
 Hex value: 0271
 TIPA code: M
 AFII code: E2AB

n̥ Name: VOICED RETROFLEX NASAL
 IPA name: Right-tail N
 IPA number: 117
 Unicode name: LATIN SMALL LETTER N W/ RETROFLEX HOOK
 Unicode range: IPA Extensions
 Hex value: 0273
 TIPA code: \n̥
 AFII code: E2C6

ŋ Name: VOICED VELAR NASAL
 IPA name: Eng
 IPA number: 119
 Unicode name: LATIN SMALL LETTER ENG
 Unicode range: Latin Extended-A
 Hex value: 014B
 TIPA code: N
 AFII code: E2DD

B Name: VOICED BILABIAL TRILL
 IPA name: Small capital B
 IPA number: 121
 Unicode name: LATIN LETTER SMALL CAPITAL B
 Unicode range: IPA Extensions
 Hex value: 0299
 TIPA code: \;B
 AFII code: E2F0

R Name: VOICED UVULAR TRILL
 IPA name: Small capital R
 IPA number: 123
 Unicode name: LATIN LETTER SMALL CAPITAL R
 Unicode range: IPA Extensions
 Hex value: 0280
 TIPA code: \;R
 AFII code: E2EA

ɾ Name: VOICED DENTAL/ALVEOLAR TAP
 IPA name: Fish-hook R
 IPA number: 124
 Unicode name: LATIN SMALL LETTER R W/ FISHHOOK
 Unicode range: IPA Extensions
 Hex value: 027E
 TIPA code: R
 AFII code: E2C1

Φ Name: VOICELESS BILABIAL FRICATIVE
 IPA name: Phi
 IPA number: 126
 Unicode name: LATIN SMALL LETTER PHI
 Unicode range: IPA Extensions
 Hex value: 0278
 TIPA code: F
 AFII code: E2A4

n Name: VOICED DENTAL/ALVEOLAR NASAL
 IPA name: Lower-case N
 IPA number: 116
 Unicode name: LATIN SMALL LETTER N
 Unicode range: Basic Latin
 Hex value: 006E
 TIPA code: n
 AFII code: E2AF

ɲ Name: VOICED PALATAL NASAL
 IPA name: Left-tail N (at left)
 IPA number: 118
 Unicode name: LATIN SMALL LETTER N W/ LEFT HOOK
 Unicode range: IPA Extensions
 Hex value: 0272
 TIPA code: \textltailn
 AFII code: E2D7

N Name: VOICED UVULAR NASAL
 IPA name: Small capital N
 IPA number: 120
 Unicode name: LATIN LETTER SMALL CAPITAL N
 Unicode range: IPA Extensions
 Hex value: 0274
 TIPA code: \;N
 AFII code: E2E4

r Name: VOICED DENTAL/ALVEOLAR TRILL
 IPA name: Lower-case R
 IPA number: 122
 Unicode name: LATIN SMALL LETTER R
 Unicode range: Basic Latin
 Hex value: 0072
 TIPA code: r
 AFII code: E2C0

ɹ Name: VOICED LABIODENTAL FLAP
 IPA name: Right-hook V
 IPA number: 184
 Unicode name: LATIN SMALL LETTER V W/ RIGHT HOOK
 Unicode range: Latin Extended-C
 Hex value: 2C71
 TIPA code: N/A
 AFII code: N/A

ɽ Name: VOICED RETROFLEX FLAP
 IPA name: Right-tail R
 IPA number: 125
 Unicode name: LATIN SMALL LETTER R W/ TAIL
 Unicode range: IPA Extensions
 Hex value: 027D
 TIPA code: \r
 AFII code: E2CD

β Name: VOICED BILABIAL FRICATIVE
 IPA name: Beta
 IPA number: 127
 Unicode name: GREEK SMALL LETTER BETA
 Unicode range: Greek and Coptic
 Hex value: 03B2
 TIPA code: B
 AFII code: E2A5

CONSONANTS (PULMONIC)

f Name: VOICELESS LABIODENTAL FRICATIVE
 IPA name: Lower-case F
 IPA number: 128
 Unicode name: LATIN SMALL LETTER F
 Unicode range: Basic Latin
 Hex value: 0066
 TIPA code: f
 AFII code: E2AC

θ Name: VOICELESS DENTAL FRICATIVE
 IPA name: Theta
 IPA number: 130
 Unicode name: GREEK SMALL LETTER THETA
 Unicode range: Greek and Coptic
 Hex value: 03B8
 TIPA code: T
 AFII code: E2B2

s Name: VOICELESS ALVEOLAR FRICATIVE
 IPA name: Lower-case S
 IPA number: 132
 Unicode name: LATIN SMALL LETTER S
 Unicode range: Basic Latin
 Hex value: 0073
 TIPA code: s
 AFII code: E2B6

ʃ Name: VOICELESS POSTALVEOLAR FRICATIVE
 IPA name: Esh
 IPA number: 134
 Unicode name: LATIN SMALL LETTER ESH
 Unicode range: IPA Extensions
 Hex value: 0283
 TIPA code: S
 AFII code: E2D0

ʒ Name: VOICELESS RETROFLEX FRICATIVE
 IPA name: Right-tail S (at left)
 IPA number: 136
 Unicode name: LATIN SMALL LETTER S W/ HOOK
 Unicode range: IPA Extensions
 Hex value: 0282
 TIPA code: \s
 AFII code: E2C9

ç Name: VOICELESS PALATAL FRICATIVE
 IPA name: C cedilla
 IPA number: 138
 Unicode name: LATIN SMALL LETTER C W/ CEDILLA
 Unicode range: Latin-1 Supplement
 Hex value: 00E7
 TIPA code: \c{c}
 AFII code: E2DA

x Name: VOICELESS VELAR FRICATIVE
 IPA name: Lower-case X
 IPA number: 140
 Unicode name: LATIN SMALL LETTER X
 Unicode range: Basic Latin
 Hex value: 0078
 TIPA code: x
 AFII code: E2E0

v Name: VOICED LABIODENTAL FRICATIVE
 IPA name: Lower-case V
 IPA number: 129
 Unicode name: LATIN SMALL LETTER V
 Unicode range: Basic Latin
 Hex value: 0076
 TIPA code: v
 AFII code: E2AD

ð Name: VOICED DENTAL FRICATIVE
 IPA name: Eth
 IPA number: 131
 Unicode name: LATIN SMALL LETTER ETH
 Unicode range: Latin-1 Supplement
 Hex value: 00F0
 TIPA code: D
 AFII code: E2B3

z Name: VOICED ALVEOLAR FRICATIVE
 IPA name: Lower-case Z
 IPA number: 133
 Unicode name: LATIN SMALL LETTER Z
 Unicode range: Basic Latin
 Hex value: 007A
 TIPA code: z
 AFII code: E2B7

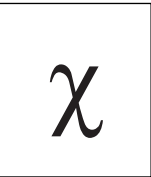













ʒ Name: VOICED POSTALVEOLAR FRICATIVE
 IPA name: Ezh; Tailed Z
 IPA number: 135
 Unicode name: LATIN SMALL LETTER EZH
 Unicode range: IPA Extensions
 Hex value: 0292
 TIPA code: Z
 AFII code: E2D1

ʒ Name: VOICED RETROFLEX FRICATIVE
 IPA name: Right-tail Z
 IPA number: 137
 Unicode name: LATIN SMALL LETTER Z W/ RETROFLEX HOOK
 Unicode range: IPA Extensions
 Hex value: 0290
 TIPA code: \z
 AFII code: E2CA

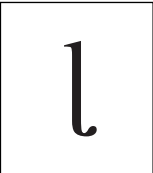
j Name: VOICED PALATAL FRICATIVE
 IPA name: Curly-tail J
 IPA number: 139
 Unicode name: LATIN SMALL LETTER J W/ CROSSED-TAIL
 Unicode range: IPA Extensions
 Hex value: 029D
 TIPA code: J
 AFII code: E2F3

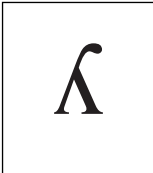
ɣ Name: VOICED VELAR FRICATIVE
 IPA name: Gamma
 IPA number: 141
 Unicode name: LATIN SMALL LETTER GAMMA
 Unicode range: IPA Extensions
 Hex value: 0263
 TIPA code: G
 AFII code: E2E1

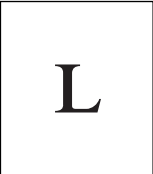
CONSONANTS (PULMONIC)

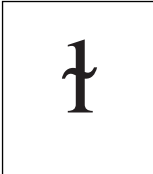
	<p>Name: VOICELESS UVULAR FRICATIVE IPA name: Chi IPA number: 142 Unicode name: GREEK SMALL LETTER CHI Unicode range: Greek and Coptic Hex value: 03C7 TIPA code: X AFII code: E2E8</p>		<p>Name: VOICED UVULAR FRICATIVE IPA name: Inverted small capital R IPA number: 143 Unicode name: LATIN LETTER SMALL CAPITAL INVERTED R Unicode range: IPA Extensions Hex value: 0281 TIPA code: K AFII code: E2E9</p>
	<p>Name: VOICELESS PHARYNGEAL FRICATIVE IPA name: Barred H IPA number: 144 Unicode name: LATIN SMALL LETTER H W/ STROKE Unicode range: Latin Extended-A Hex value: 0127 TIPA code: \textcrh AFII code: E2EB</p>		<p>Name: VOICED PHARYNGEAL FRICATIVE/APPROXIMANT IPA name: Reversed glottal stop IPA number: 145 Unicode name: LATIN LETTER PHARYNGEAL VOICED FRICATIVE Unicode range: IPA Extensions Hex value: 0295 TIPA code: Q AFII code: E2EC</p>
	<p>Name: VOICELESS GLOTTAL FRICATIVE IPA name: Lower-case H IPA number: 146 Unicode name: LATIN SMALL LETTER H Unicode range: Basic Latin Hex value: 0068 TIPA code: h AFII code: E2EE</p>		<p>Name: VOICED GLOTTAL FRICATIVE IPA name: Hooktop H IPA number: 147 Unicode name: LATIN SMALL LETTER H W/ HOOK Unicode range: IPA Extensions Hex value: 0266 TIPA code: H AFII code: E2EF</p>
	<p>Name: VOICELESS DENTAL/ALVEOLAR LATERAL FRICATIVE IPA name: Belted L IPA number: 148 Unicode name: LATIN SMALL LETTER L W/ BELT Unicode range: IPA Extensions Hex value: 026C TIPA code: \textbeltl AFII code: E2BB</p>		<p>Name: VOICED DENTAL/ALVEOLAR LATERAL FRICATIVE IPA name: L-Ezh ligature IPA number: 149 Unicode name: LATIN SMALL LETTER LEZH Unicode range: IPA Extensions Hex value: 026E TIPA code: \textlyoghlig AFII code: E2BC</p>
	<p>Name: VOICED LABIODENTAL APPROXIMANT IPA name: Cursive V IPA number: 150 Unicode name: LATIN SMALL LETTER V W/ HOOK Unicode range: IPA Extensions Hex value: 028B TIPA code: V AFII code: E2AE</p>		<p>Name: VOICED DENTAL/ALVEOLAR APPROXIMANT IPA name: Turned R IPA number: 151 Unicode name: LATIN SMALL LETTER TURNED R Unicode range: IPA Extensions Hex value: 0279 TIPA code: *r AFII code: E2BA</p>
	<p>Name: VOICED RETROFLEX APPROXIMANT IPA name: Turned R right tail IPA number: 152 Unicode name: LATIN SMALL LETTER TURNED R W/ HOOK Unicode range: IPA Extensions Hex value: 027B TIPA code: \:R AFII code: E2CB</p>		<p>Name: VOICED PALATAL APPROXIMANT IPA name: Lower-case J IPA number: 153 Unicode name: LATIN SMALL LETTER J Unicode range: Basic Latin Hex value: 006A TIPA code: j AFII code: E2DB</p>
	<p>Name: VOICED VELAR APPROXIMANT IPA name: Turned M right leg IPA number: 154 Unicode name: LATIN SMALL LETTER TURNED M W/ LONG LEG Unicode range: IPA Extensions Hex value: 0270 TIPA code: \textturnmrlg AFII code: E2E2</p>		<p>Name: VOICED DENTAL/ALVEOLAR LATERAL APPROXIMANT IPA name: Lower-case L IPA number: 155 Unicode name: LATIN SMALL LETTER L Unicode range: Basic Latin Hex value: 006C TIPA code: l AFII code: E2BD</p>

CONSONANTS (PULMONIC)

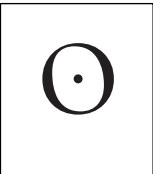

 Name: VOICED RETROFLEX LATERAL APPROXIMANT
 IPA name: Right-tail L
 IPA number: 156
 Unicode name: LATIN SMALL LETTER L W/ RETROFLEX HOOK
 Unicode range: IPA Extensions
 Hex value: 026D
 TIPA code: \l
 AFII code: E2CC

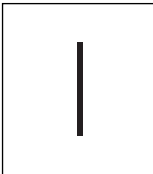

 Name: VOICED PALATAL LATERAL APPROXIMANT
 IPA name: Turned Y
 IPA number: 157
 Unicode name: LATIN SMALL LETTER TURNED Y
 Unicode range: IPA Extensions
 Hex value: 028E
 TIPA code: L
 AFII code: E2DC



 Name: VOICED VELAR LATERAL APPROXIMANT
 IPA name: Small capital L
 IPA number: 158
 Unicode name: LATIN LETTER SMALL CAPITAL L
 Unicode range: IPA Extensions
 Hex value: 029F
 TIPA code: \L
 AFII code: E2F5

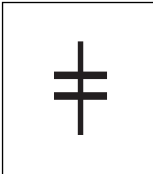

 Name: VELARIZED VOICED DENTAL/ALVEOLAR LATERAL APPROXIMANT
 IPA name: L with tilde
 IPA number: 209
 Unicode name: LATIN SMALL LETTER L W/ MIDDLE TILDE
 Unicode range: IPA Extensions
 Hex value: 026B
 TIPA code: N/A
 AFII code: E27D


CONSONANTS (NON-PULMONIC)



 Name: BILABIAL CLICK
 IPA name: Bull's eye
 IPA number: 176
 Unicode name: LATIN LETTER BILABIAL CLICK
 Unicode range: IPA Extensions
 Hex value: 0298
 TIPA code: \o
 AFII code: E2AA



 Name: DENTAL CLICK
 IPA name: Pipe
 IPA number: 177
 Unicode name: LATIN LETTER DENTAL CLICK
 Unicode range: Latin Extended-B
 Hex value: 01C0
 TIPA code: |
 AFII code: 23A6

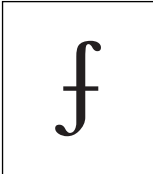

 Name: (POST)ALVEOLAR CLICK
 IPA name: Exclamation point
 IPA number: 178
 Unicode name: LATIN LETTER RETROFLEX CLICK
 Unicode range: Latin Extended-B
 Hex value: 01C3
 TIPA code: !
 AFII code: 23A5


 Name: PALATOALVEOLAR CLICK
 IPA name: Double-barred pipe
 IPA number: 179
 Unicode name: LATIN LETTER ALVEOLAR CLICK
 Unicode range: Latin Extended-B
 Hex value: 01C2
 TIPA code: \textdoublebarpipe
 AFII code: 23A4


 Name: ALVEOLAR LATERAL CLICK
 IPA name: Double pipe
 IPA number: 180
 Unicode name: LATIN LETTER LATERAL CLICK
 Unicode range: Latin Extended-B
 Hex value: 01C1
 TIPA code: ||
 AFII code: 23A7


 Name: VOICED BILABIAL IMPLOSIVE
 IPA name: Hooktop B
 IPA number: 160
 Unicode name: LATIN SMALL LETTER B W/ HOOK
 Unicode range: IPA Extensions
 Hex value: 0253
 TIPA code: \b
 AFII code: E2A9


 Name: VOICED DENTAL/ALVEOLAR IMPLOSIVE
 IPA name: Hooktop D
 IPA number: 162
 Unicode name: LATIN SMALL LETTER D W/ HOOK
 Unicode range: IPA Extensions
 Hex value: 0257
 TIPA code: \d
 AFII code: E2C2


 Name: VOICED PALATAL IMPLOSIVE
 IPA name: Hooktop barred dotless J
 IPA number: 164
 Unicode name: LATIN SMALL LETTER DOTLESS J W/ STROKE AND HOOK
 Unicode range: IPA Extensions
 Hex value: 0284
 TIPA code: \j
 AFII code: E27C

CONSONANTS (NON-PULMONIC)

ɠ Name: VOICED VELAR IMPLOSIVE
 IPA name: Hooktop G
 IPA number: 166
 Unicode name: LATIN SMALL LETTER G W/ HOOK
 Unicode range: IPA Extensions
 Hex value: 0260
 TIPA code: \g
 AFII code: E27E

ʼ Name: EJECTIVE
 IPA name: Apostrophe
 IPA number: 401
 Unicode name: MODIFIER LETTER APOSTROPHE
 Unicode range: Spacing Modifier Letters
 Hex value: 02BC
 TIPA code: N/A
 AFII code: E249

tʼ Name: DENTAL/ALVEOLAR EJECTIVE
 IPA name: Lower-case T + apostrophe
 IPA number: 103 + 401
 Unicode name: N/A
 Unicode range: N/A
 Hex value: 0074 + 02BC
 TIPA code: N/A
 AFII code: N/A

sʼ Name: ALVEOLAR FRICATIVE EJECTIVE
 IPA name: Lower-case S + apostrophe
 IPA number: 132 + 401
 Unicode name: N/A
 Unicode range: N/A
 Hex value: 0073 + 02BC
 TIPA code: N/A
 AFII code: N/A

ɠ̥ Name: VOICED UVULAR IMPLOSIVE
 IPA name: Hooktop small capital G
 IPA number: 168
 Unicode name: LATIN LETTER SMALL CAPITAL G W/ HOOK
 Unicode range: IPA Extensions
 Hex value: 029B
 TIPA code: \G
 AFII code: E2F1

pʼ Name: BILABIAL EJECTIVE
 IPA name: Lower-case P + apostrophe
 IPA number: 101 + 401
 Unicode name: N/A
 Unicode range: N/A
 Hex value: 0070 + 02BC
 TIPA code: N/A
 AFII code: N/A

kʼ Name: VELAR EJECTIVE
 IPA name: Lower-case K + apostrophe
 IPA number: 109 + 401
 Unicode name: N/A
 Unicode range: N/A
 Hex value: 006B + 02BC
 TIPA code: N/A
 AFII code: N/A

OTHER SYMBOLS


ɱ Name: VOICELESS LABIAL-VELAR FRICATIVE
 IPA name: Turned W
 IPA number: 169
 Unicode name: LATIN SMALL LETTER TURNED W
 Unicode range: IPA Extensions
 Hex value: 028D
 TIPA code: *w
 AFII code: E2A7

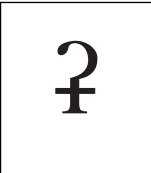
ɥ Name: VOICED LABIAL-PALATAL APPROXIMANT
 IPA name: Turned H
 IPA number: 171
 Unicode name: LATIN SMALL LETTER TURNED H
 Unicode range: IPA Extensions
 Hex value: 0265
 TIPA code: 4
 AFII code: E2A6


w Name: VOICED LABIAL-VELAR APPROXIMANT
 IPA name: Lower-case W
 IPA number: 170
 Unicode name: LATIN SMALL LETTER W
 Unicode range: Basic Latin
 Hex value: 0077
 TIPA code: w
 AFII code: E2A8


h Name: VOICELESS EPIGLOTTAL FRICATIVE
 IPA name: Small capital H
 IPA number: 172
 Unicode name: LATIN LETTER SMALL CAPITAL H
 Unicode range: IPA Extensions
 Hex value: 029C
 TIPA code: \H
 AFII code: E2F2

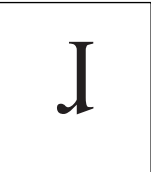
OTHER SYMBOLS


	<p>Name: VOICED EPIGLOTTAL FRICATIVE/APPROXIMANT IPA name: Barred reversed glottal stop IPA number: 174 Unicode name: LATIN LETTER REVERSED GLOTTAL STOP W/ STROKE Unicode range: IPA Extensions Hex value: 02A2 TIPA code: \textbarrevglotstop AFII code: E2F8</p>
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	<p>Name: EPIGLOTTAL PLOSIVE IPA name: Barred glottal stop IPA number: 173 Unicode name: LATIN LETTER GLOTTAL STOP W/ STROKE Unicode range: IPA Extensions Hex value: 02A1 TIPA code: \textbarglotstop AFII code: E2F7</p>
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	<p>Name: VOICELESS ALVEOLO-PALATAL FRICATIVE IPA name: Curly-tail C IPA number: 182 Unicode name: LATIN SMALL LETTER C W/ CURL Unicode range: IPA Extensions Hex value: 0255 TIPA code: C AFII code: E2CE</p>
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	<p>Name: VOICED ALVEOLO-PALATAL FRICATIVE IPA name: Curly-tail Z IPA number: 183 Unicode name: LATIN SMALL LETTER Z W/ CURL Unicode range: IPA Extensions Hex value: 0291 TIPA code: \textctz AFII code: E2CF</p>
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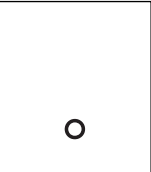
	<p>Name: VOICED ALVEOLAR LATERAL FLAP IPA name: Turned long-leg R IPA number: 181 Unicode name: LATIN SMALL LETTER TURNED R W/ LONG LEG Unicode range: IPA Extensions Hex value: 027A TIPA code: \textturnlonglegr AFII code: E2BF</p>
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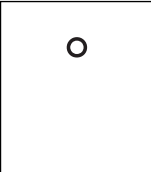
	<p>Name: VOICELESS POSTALVEOLAR-VELAR FRICATIVE IPA name: Hooktop heng IPA number: 175 Unicode name: LATIN SMALL LETTER HENG W/ HOOK Unicode range: IPA Extensions Hex value: 0267 TIPA code: \texththeng AFII code: E2D6</p>
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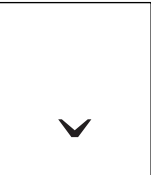
	<p>Name: TIE BAR (BELOW) IPA name: Bottom tie bar IPA number: (509) Unicode name: COMBINING DOUBLE BREVE BELOW Unicode range: Combining Diacritical Marks Hex value: 035C TIPA code: N/A AFII code: 230F</p>
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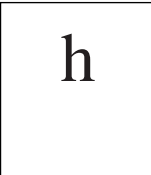
	<p>Name: TIE BAR (ABOVE) IPA name: Top tie bar IPA number: 433 Unicode name: COMBINING DOUBLE INVERTED BREVE Unicode range: Combining Diacritical Marks Hex value: 0361 TIPA code: \t{cc} AFII code: E225</p>
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DIACRITICS

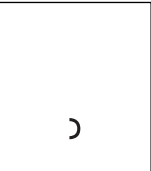
	<p>Name: VOICELESS IPA name: Under-ring IPA number: 402A Unicode name: COMBINING RING BELOW Unicode range: Combining Diacritical Marks Hex value: 0325 TIPA code: \r*c AFII code: E229</p>
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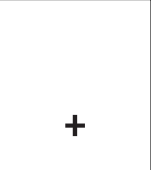
	<p>Name: VOICELESS (ABOVE) IPA name: Over-ring IPA number: 402B Unicode name: COMBINING RING ABOVE Unicode range: Combining Diacritical Marks Hex value: 030A TIPA code: N/A AFII code: 00CA</p>
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	<p>Name: VOICED IPA name: Subscript wedge IPA number: 403 Unicode name: COMBINING CARON BELOW Unicode range: Combining Diacritical Marks Hex value: 032C TIPA code: \v*c AFII code: E22A</p>
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	<p>Name: ASPIRATED IPA name: Superscript H IPA number: 404 Unicode name: MODIFIER LETTER SMALL H Unicode range: Spacing Modifier Letters Hex value: 02B0 TIPA code: e/super h AFII code: D565</p>
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DIACRITICS



 Name: MORE ROUNDED
 IPA name: Subscript right half-ring
 IPA number: 411
 Unicode name: COMBINING RIGHT HALF RING BELOW
 Unicode range: Combining Diacritical Marks
 Hex value: 0339
 TIPA code: \}v
 AFII code: E23C



 Name: ADVANCED
 IPA name: Subscript plus
 IPA number: 413
 Unicode name: COMBINING PLUS SIGN BELOW
 Unicode range: Combining Diacritical Marks
 Hex value: 031F
 TIPA code: \}+v
 AFII code: E233

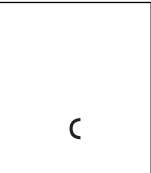

 Name: CENTRALIZED
 IPA name: Umlaut
 IPA number: 415
 Unicode name: COMBINING DIAERESIS
 Unicode range: Combining Diacritical Marks
 Hex value: 0308
 TIPA code: \}v
 AFII code: E221

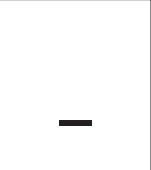

 Name: SYLLABIC
 IPA name: Syllabicity mark
 IPA number: 431
 Unicode name: COMBINING VERTICAL LINE BELOW
 Unicode range: Combining Diacritical Marks
 Hex value: 0329
 TIPA code: \s{c}
 AFII code: E22E

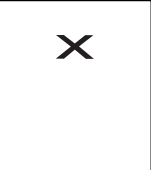

 Name: RHOTICITY
 IPA name: Right hook
 IPA number: 419
 Unicode name: MODIFIER LETTER RHOTIC HOOK
 Unicode range: Spacing Modifier Letters
 Hex value: 02DE
 TIPA code: v\text{rhoticity}
 AFII code: E28A

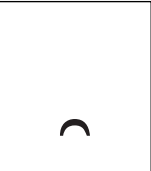

 Name: CREAKY VOICED
 IPA name: Subscript tilde
 IPA number: 406
 Unicode name: COMBINING TILDE BELOW
 Unicode range: Combining Diacritical Marks
 Hex value: 0330
 TIPA code: \~*c
 AFII code: 23D8

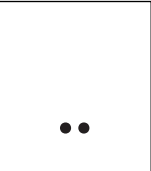

 Name: LABIALIZED
 IPA name: Superscript W
 IPA number: 420
 Unicode name: MODIFIER LETTER SMALL W
 Unicode range: Spacing Modifier Letters
 Hex value: 02B7
 TIPA code: c\super w
 AFII code: D56E



 Name: LESS ROUNDED
 IPA name: Subscript left half-ring
 IPA number: 412
 Unicode name: COMBINING LEFT HALF RING BELOW
 Unicode range: Combining Diacritical Marks
 Hex value: 031C
 TIPA code: \{(v
 AFII code: E232



 Name: RETRACTED
 IPA name: Under-bar
 IPA number: 414
 Unicode name: COMBINING MINUS SIGN BELOW
 Unicode range: Combining Diacritical Marks
 Hex value: 0320
 TIPA code: \=*v
 AFII code: E234


 Name: MID-CENTRALIZED
 IPA name: Over-cross
 IPA number: 416
 Unicode name: COMBINING X ABOVE
 Unicode range: Combining Diacritical Marks
 Hex value: 033D
 TIPA code: \x{v}
 AFII code: 2311

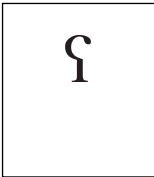
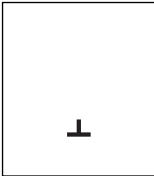
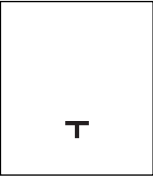
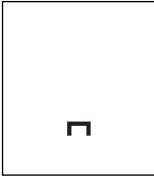
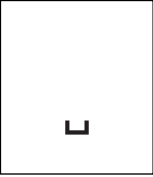
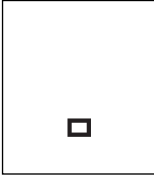
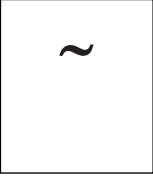
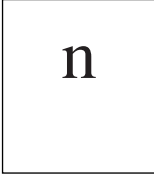
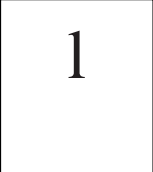

 Name: NON-SYLLABIC
 IPA name: Subscript arch
 IPA number: 432
 Unicode name: COMBINING INVERTED BREVE BELOW
 Unicode range: Combining Diacritical Marks
 Hex value: 032F
 TIPA code: \textsubarch{v}
 AFII code: 23FA


 Name: BREATHY VOICED
 IPA name: Subscript umlaut
 IPA number: 405
 Unicode name: COMBINING DIAERESIS BELOW
 Unicode range: Combining Diacritical Marks
 Hex value: 0324
 TIPA code: \}*c
 AFII code: E22B


 Name: LINGUOLABIAL
 IPA name: Subscript seagull
 IPA number: 407
 Unicode name: COMBINING SEAGULL BELOW
 Unicode range: Combining Diacritical Marks
 Hex value: 033C
 TIPA code: \m{c}
 AFII code: 22E8


 Name: PALATALIZED
 IPA name: Superscript J
 IPA number: 421
 Unicode name: MODIFIER LETTER SMALL J
 Unicode range: Spacing Modifier Letters
 Hex value: 02B2
 TIPA code: c\super j
 AFII code: D567

DIACRITICS

	<p>Name: VELARIZED IPA name: Superscript gamma IPA number: 422 Unicode name: MODIFIER LETTER SMALL GAMMA Unicode range: Spacing Modifier Letters Hex value: 02E0 TIPA code: c\super G AFII code: E28B</p>		<p>Name: PHARYNGEALIZED IPA name: Superscript reversed glottal stop IPA number: 423 Unicode name: MODIFIER LETTER SMALL REVERSED GLOTTAL STOP Unicode range: Spacing Modifier Letters Hex value: 02E4 TIPA code: c\super Q AFII code: E28C</p>
	<p>Name: VELARIZED OR PHARYNGEALIZED IPA name: Superimposed tilde IPA number: 428 Unicode name: COMBINING TILDE OVERLAY Unicode range: Combining Diacritical Marks Hex value: 0334 TIPA code: \textsuperimposedtilde{c} AFII code: E226</p>		<p>Name: RAISED IPA name: Raising sign IPA number: 429 Unicode name: COMBINING UP TACK BELOW Unicode range: Combining Diacritical Marks Hex value: 031D TIPA code: \ ^v AFII code: E22F</p>
	<p>Name: LOWERED IPA name: Lowering sign IPA number: 430 Unicode name: COMBINING DOWN TACK BELOW Unicode range: Combining Diacritical Marks Hex value: 031E TIPA code: \ ^v AFII code: E231</p>		<p>Name: ADVANCED TONGUE ROOT IPA name: Advancing sign IPA number: 417 Unicode name: COMBINING LEFT TACK BELOW Unicode range: Combining Diacritical Marks Hex value: 0318 TIPA code: \ ^<v AFII code: 23F7</p>
	<p>Name: RETRACTED TONGUE ROOT IPA name: Retracting sign IPA number: 418 Unicode name: COMBINING RIGHT TACK BELOW Unicode range: Combining Diacritical Marks Hex value: 0319 TIPA code: \ ^>v AFII code: 23F8</p>		<p>Name: DENTAL IPA name: Subscript bridge IPA number: 408 Unicode name: COMBINING BRIDGE BELOW Unicode range: Combining Diacritical Marks Hex value: 032A TIPA code: \ ^c AFII code: E22C</p>
	<p>Name: APICAL IPA name: Inverted subscript bridge IPA number: 409 Unicode name: COMBINING INVERTED BRIDGE BELOW Unicode range: Combining Diacritical Marks Hex value: 033A TIPA code: \ ^c AFII code: 23FD</p>		<p>Name: LAMINAL IPA name: Subscript square IPA number: 410 Unicode name: COMBINING SQUARE BELOW Unicode range: Combining Diacritical Marks Hex value: 033B TIPA code: \textsubsquare{c} AFII code: 23FE</p>
	<p>Name: NASALIZED IPA name: Superscript tilde IPA number: 424 Unicode name: COMBINING TILDE Unicode range: Combining Diacritical Marks Hex value: 0303 TIPA code: \~v AFII code: E222</p>		<p>Name: NASAL RELEASE IPA name: Superscript N IPA number: 425 Unicode name: SUPERSCRIPT LATIN SMALL LETTER N Unicode range: Superscripts and Subscripts Hex value: 207F TIPA code: c\super n AFII code: FDA8</p>
	<p>Name: LATERAL RELEASE IPA name: Superscript L IPA number: 426 Unicode name: MODIFIER LETTER SMALL L Unicode range: Spacing Modifier Letters Hex value: 02E1 TIPA code: c\super l AFII code: FDA3</p>		<p>Name: NO AUDIBLE RELEASE IPA name: Corner IPA number: 427 Unicode name: COMBINING LEFT ANGLE ABOVE Unicode range: Combining Diacritical Marks Hex value: 031A TIPA code: c\textcorner AFII code: 23F9</p>

VOWELS

i Name: CLOSE FRONT UNROUNDED VOWEL
 IPA name: Lower-case I
 IPA number: 301
 Unicode name: LATIN SMALL LETTER I
 Unicode range: Basic Latin
 Hex value: 0069
 TIPA code: i
 AFII code: E251

I Name: NEAR-CLOSE NEAR-FRONT UNROUNDED VOWEL
 IPA name: Small capital I
 IPA number: 319
 Unicode name: LATIN LETTER SMALL CAPITAL I
 Unicode range: IPA Extensions
 Hex value: 026A
 TIPA code: I
 AFII code: E254

e Name: CLOSE-MID FRONT UNROUNDED VOWEL
 IPA name: Lower-case E
 IPA number: 302
 Unicode name: LATIN SMALL LETTER E
 Unicode range: Basic Latin
 Hex value: 0065
 TIPA code: e
 AFII code: E256

ɛ Name: OPEN-MID FRONT UNROUNDED VOWEL
 IPA name: Epsilon
 IPA number: 303
 Unicode name: LATIN SMALL LETTER OPEN E
 Unicode range: IPA Extensions
 Hex value: 025B
 TIPA code: E
 AFII code: E258

æ Name: NEAR-OPEN FRONT UNROUNDED VOWEL
 IPA name: Ash; Lower-case A-E ligature
 IPA number: 325
 Unicode name: LATIN SMALL LETTER AE
 Unicode range: Latin-1 Supplement
 Hex value: 00E6
 TIPA code: \ae
 AFII code: E25A

Œ Name: OPEN FRONT ROUNDED VOWEL
 IPA name: Small capital O-E ligature
 IPA number: 312
 Unicode name: LATIN LETTER SMALL CAPITAL OE
 Unicode range: IPA Extensions
 Hex value: 0276
 TIPA code: \OE
 AFII code: E25C

ʉ Name: CLOSE CENTRAL ROUNDED VOWEL
 IPA name: Barred U
 IPA number: 318
 Unicode name: LATIN SMALL LETTER U BAR
 Unicode range: IPA Extensions
 Hex value: 0289
 TIPA code: 0
 AFII code: E25E

y Name: CLOSE FRONT ROUNDED VOWEL
 IPA name: Lower-case Y
 IPA number: 309
 Unicode name: LATIN SMALL LETTER Y
 Unicode range: Basic Latin
 Hex value: 0079
 TIPA code: y
 AFII code: E252

Y Name: NEAR-CLOSE NEAR-FRONT ROUNDED VOWEL
 IPA name: Small capital Y
 IPA number: 320
 Unicode name: LATIN LETTER SMALL CAPITAL Y
 Unicode range: IPA Extensions
 Hex value: 028F
 TIPA code: Y
 AFII code: E255

ø Name: CLOSE-MID FRONT ROUNDED VOWEL
 IPA name: Slashed O
 IPA number: 310
 Unicode name: LATIN SMALL LETTER O W/ STROKE
 Unicode range: Latin-1 Supplement
 Hex value: 00F8
 TIPA code: \o
 AFII code: E257


œ Name: OPEN-MID FRONT ROUNDED VOWEL
 IPA name: Lower-case O-E ligature
 IPA number: 311
 Unicode name: LATIN SMALL LIGATURE OE
 Unicode range: Latin Extended-A
 Hex value: 0153
 TIPA code: \oe
 AFII code: E259


a Name: OPEN FRONT UNROUNDED VOWEL
 IPA name: Lower-case A
 IPA number: 304
 Unicode name: LATIN SMALL LETTER A
 Unicode range: Basic Latin
 Hex value: 0061
 TIPA code: a
 AFII code: E25B


İ Name: CLOSE CENTRAL UNROUNDED VOWEL
 IPA name: Barred I
 IPA number: 317
 Unicode name: LATIN SMALL LETTER I W/ STROKE
 Unicode range: IPA Extensions
 Hex value: 0268
 TIPA code: 1
 AFII code: E25D


ɘ Name: CLOSE-MID CENTRAL UNROUNDED VOWEL
 IPA name: Reversed E
 IPA number: 397
 Unicode name: LATIN SMALL LETTER REVERSED E
 Unicode range: IPA Extensions
 Hex value: 0258
 TIPA code: 9
 AFII code: E26E


VOWELS



 Name: CLOSE-MID CENTRAL ROUNDED VOWEL
 IPA name: Barred O
 IPA number: 323
 Unicode name: LATIN SMALL LETTER BARRED O
 Unicode range: IPA Extensions
 Hex value: 0275
 TIPA code: 8
 AFII code: E261



 Name: OPEN-MID CENTRAL UNROUNDED VOWEL
 IPA name: Reversed epsilon
 IPA number: 326
 Unicode name: LATIN SMALL LETTER REVERSED OPEN E
 Unicode range: IPA Extensions
 Hex value: 025C
 TIPA code: 3
 AFII code: E262



 Name: NEAR-OPEN CENTRAL VOWEL
 IPA name: Turned A
 IPA number: 324
 Unicode name: LATIN SMALL LETTER TURNED A
 Unicode range: IPA Extensions
 Hex value: 0250
 TIPA code: 5
 AFII code: E263



 Name: CLOSE BACK ROUNDED VOWEL
 IPA name: Lower-case U
 IPA number: 308
 Unicode name: LATIN SMALL LETTER U
 Unicode range: Basic Latin
 Hex value: 0075
 TIPA code: u
 AFII code: E265



 Name: CLOSE-MID BACK UNROUNDED VOWEL
 IPA name: Ram's horns
 IPA number: 315
 Unicode name: LATIN SMALL LETTER RAMS HORN
 Unicode range: IPA Extensions
 Hex value: 0264
 TIPA code: 7
 AFII code: E268



 Name: OPEN-MID BACK UNROUNDED VOWEL
 IPA name: Turned V
 IPA number: 314
 Unicode name: LATIN SMALL LETTER TURNED V
 Unicode range: IPA Extensions
 Hex value: 028C
 TIPA code: 2
 AFII code: E26A



 Name: OPEN BACK UNROUNDED VOWEL
 IPA name: Script A
 IPA number: 305
 Unicode name: LATIN SMALL LETTER ALPHA
 Unicode range: IPA Extensions
 Hex value: 0251
 TIPA code: A
 AFII code: E26C



 Name: MID CENTRAL VOWEL
 IPA name: Schwa
 IPA number: 322
 Unicode name: LATIN SMALL LETTER SCHWA
 Unicode range: IPA Extensions
 Hex value: 0259
 TIPA code: @
 AFII code: E25F



 Name: OPEN-MID CENTRAL ROUNDED VOWEL
 IPA name: Closed reversed epsilon
 IPA number: 395
 Unicode name: LATIN SMALL LETTER CLOSED REVERSED OPEN E
 Unicode range: IPA Extensions
 Hex value: 025E
 TIPA code: \textcloseepsilon
 AFII code: E270


 Name: CLOSE BACK UNROUNDED VOWEL
 IPA name: Turned M
 IPA number: 316
 Unicode name: LATIN SMALL LETTER TURNED M
 Unicode range: IPA Extensions
 Hex value: 026F
 TIPA code: W
 AFII code: E264


 Name: NEAR-CLOSE NEAR-BACK ROUNDED VOWEL
 IPA name: Upsilon
 IPA number: 321
 Unicode name: LATIN SMALL LETTER UPSILON
 Unicode range: IPA Extensions
 Hex value: 028A
 TIPA code: U
 AFII code: E267


 Name: CLOSE-MID BACK ROUNDED VOWEL
 IPA name: Lower-case O
 IPA number: 307
 Unicode name: LATIN SMALL LETTER O
 Unicode range: Basic Latin
 Hex value: 006F
 TIPA code: o
 AFII code: E269


 Name: OPEN-MID BACK ROUNDED VOWEL
 IPA name: Open O
 IPA number: 306
 Unicode name: LATIN SMALL LETTER OPEN O
 Unicode range: IPA Extensions
 Hex value: 0254
 TIPA code: O
 AFII code: E26B

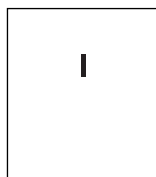

 Name: OPEN BACK ROUNDED VOWEL
 IPA name: Turned script A
 IPA number: 313
 Unicode name: LATIN SMALL LETTER TURNED ALPHA
 Unicode range: IPA Extensions
 Hex value: 0252
 TIPA code: 6
 AFII code: E26D

VOWELS

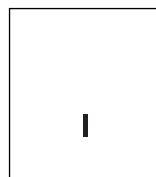


Name: R-COLOURED MID CENTRAL VOWEL
IPA name: Right-hook schwa
IPA number: 327
Unicode name: LATIN SMALL LETTER SCHWA W/ HOOK
Unicode range: IPA Extensions
Hex value: 025A
TIPA code: N/A
AFII code: E260

SUPRASEGMENTALS



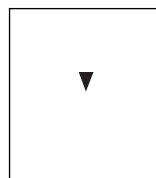
Name: PRIMARY STRESS
IPA name: Vertical stroke (superior)
IPA number: 501
Unicode name: MODIFIER LETTER VERTICAL LINE
Unicode range: Spacing Modifier Letters
Hex value: 02C8
TIPA code: "
AFII code: E23E



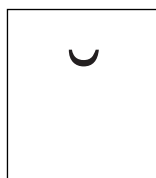
Name: SECONDARY STRESS
IPA name: Vertical stroke (inferior)
IPA number: 502
Unicode name: MODIFIER LETTER LOW VERTICAL LINE
Unicode range: Spacing Modifier Letters
Hex value: 02CC
TIPA code: ""
AFII code: E23F



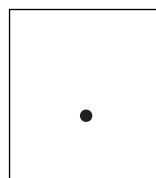
Name: LONG
IPA name: Length mark
IPA number: 503
Unicode name: MODIFIER LETTER TRIANGULAR COLON
Unicode range: Spacing Modifier Letters
Hex value: 02D0
TIPA code: v;
AFII code: E23A



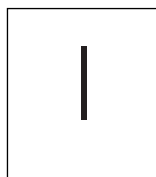
Name: HALF-LONG
IPA name: Half-length mark
IPA number: 504
Unicode name: MODIFIER LETTER HALF TRIANGULAR COLON
Unicode range: Spacing Modifier Letters
Hex value: 02D1
TIPA code: v;
AFII code: E23B



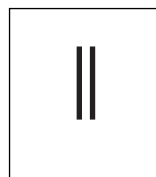
Name: EXTRA-SHORT
IPA name: Breve
IPA number: 505
Unicode name: COMBINING BREVE
Unicode range: Combining Diacritical Marks
Hex value: 0306
TIPA code: \u{v}
AFII code: E223



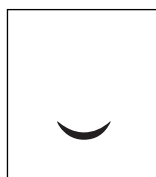
Name: SYLLABLE BREAK
IPA name: Period
IPA number: 506
Unicode name: FULL STOP
Unicode range: Basic Latin
Hex value: 002E
TIPA code: .
AFII code: 002E



Name: MINOR (FOOT) GROUP
IPA name: Vertical line (thick)
IPA number: 507
Unicode name: VERTICAL LINE
Unicode range: Basic Latin
Hex value: 007C
TIPA code: \textvertline
AFII code: 007C





Name: MAJOR (INTONATION) GROUP
IPA name: Double vertical line (thick)
IPA number: 508
Unicode name: DOUBLE VERTICAL LINE
Unicode range: General Punctuation
Hex value: 2016
TIPA code: \textdoublevertline
AFII code: 2142

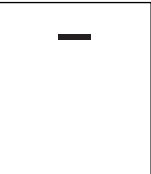



Name: LINKING (ABSENCE OF A BREAK)
IPA name: Bottom tie bar
IPA number: 509
Unicode name: UNDERTIE
Unicode range: General Punctuation
Hex value: 203F
TIPA code: \t*{vv}
AFII code: 230F

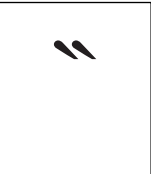
TONES AND WORD ACCENTS

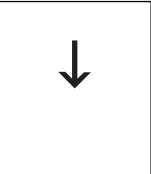
 Name: EXTRA HIGH LEVEL TONE (ACCENT MARK)
 IPA name: Double acute accent (over)
 IPA number: 512
 Unicode name: COMBINING DOUBLE ACUTE ACCENT
 Unicode range: Combining Diacritical Marks
 Hex value: 030B
 TIPA code: \H{v}
 AFII code: 00CD

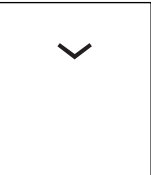
 Name: HIGH LEVEL TONE (ACCENT MARK)
 IPA name: Acute accent (over)
 IPA number: 513
 Unicode name: COMBINING ACUTE ACCENT
 Unicode range: Combining Diacritical Marks
 Hex value: 0301
 TIPA code: \v
 AFII code: 00C2


 Name: MID LEVEL TONE (ACCENT MARK)
 IPA name: Macron
 IPA number: 514
 Unicode name: COMBINING MACRON
 Unicode range: Combining Diacritical Marks
 Hex value: 0304
 TIPA code: \=v
 AFII code: 00C5


 Name: LOW LEVEL TONE (ACCENT MARK)
 IPA name: Grave accent (over)
 IPA number: 515
 Unicode name: COMBINING GRAVE ACCENT
 Unicode range: Combining Diacritical Marks
 Hex value: 0300
 TIPA code: \v
 AFII code: 00C1

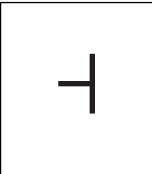
 Name: EXTRA LOW LEVEL TONE (ACCENT MARK)
 IPA name: Double grave accent (over)
 IPA number: 516
 Unicode name: COMBINING DOUBLE GRAVE ACCENT
 Unicode range: Combining Diacritical Marks
 Hex value: 030F
 TIPA code: \H*v
 AFII code: 23E2


 Name: DOWNSTEP
 IPA name: Down arrow
 IPA number: 517
 Unicode name: MODIFIER LETTER RAISED DOWN ARROW
 Unicode range: Modifier Tone Letters
 Hex value: A71C
 TIPA code: \textdownstep
 AFII code: EEAF


 Name: RISING CONTOUR TONE (ACCENT MARK)
 IPA name: Wedge; háček
 IPA number: 524
 Unicode name: COMBINING CARON
 Unicode range: Combining Diacritical Marks
 Hex value: 030C
 TIPA code: \v{v}
 AFII code: 00CF


 Name: EXTRA HIGH LEVEL TONE (CHAO LETTER)
 IPA name: Extra-high tone letter
 IPA number: 519
 Unicode name: MODIFIER LETTER EXTRA-HIGH TONE BAR
 Unicode range: Spacing Modifier Letters
 Hex value: 02E5
 TIPA code: \tone{55}v
 AFII code: E28D


 Name: HIGH LEVEL TONE (CHAO LETTER)
 IPA name: High tone letter
 IPA number: 520
 Unicode name: MODIFIER LETTER HIGH TONE BAR
 Unicode range: Spacing Modifier Letters
 Hex value: 02E6
 TIPA code: \tone{44}v
 AFII code: E28E

 Name: MID LEVEL TONE (CHAO LETTER)
 IPA name: Mid tone letter
 IPA number: 521
 Unicode name: MODIFIER LETTER MID TONE BAR
 Unicode range: Spacing Modifier Letters
 Hex value: 02E7
 TIPA code: \tone{33}v
 AFII code: E28F

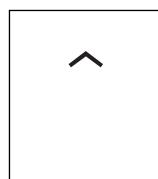
 Name: LOW LEVEL TONE (CHAO LETTER)
 IPA name: Low tone letter
 IPA number: 522
 Unicode name: MODIFIER LETTER LOW TONE BAR
 Unicode range: Spacing Modifier Letters
 Hex value: 02E8
 TIPA code: \tone{22}v
 AFII code: E29F

 Name: EXTRA LOW LEVEL TONE (CHAO LETTER)
 IPA name: Extra-low tone letter
 IPA number: 523
 Unicode name: MODIFIER LETTER EXTRA-LOW TONE BAR
 Unicode range: Spacing Modifier Letters
 Hex value: 02E9
 TIPA code: \tone{11}v
 AFII code: E29E

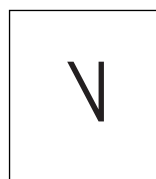
 Name: UPSTEP
 IPA name: Up arrow
 IPA number: 518
 Unicode name: MODIFIER LETTER RAISED UP ARROW
 Unicode range: Modifier Tone Letters
 Hex value: A71B
 TIPA code: \textupstep
 AFII code: EEAD

 Name: RISING CONTOUR TONE (CHAO LETTER)
 IPA name: Rising tone letter
 IPA number: 529
 Unicode name: N/A
 Unicode range: Spacing Modifier Letters
 Hex value: 02E9 + 02E5
 TIPA code: \tone{15}v
 AFII code: E299

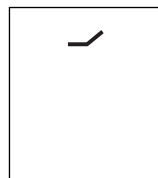
TONES AND WORD ACCENTS



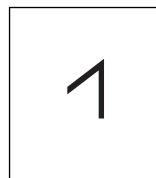
Name: FALLING CONTOUR TONE (ACCENT MARK)
 IPA name: Circumflex
 IPA number: 525
 Unicode name: COMBINING CIRCUMFLEX ACCENT
 Unicode range: Combining Diacritical Marks
 Hex value: 0302
 TIPA code: \v
 AFII code: 00C3



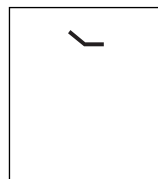
Name: FALLING CONTOUR TONE (CHAO LETTER)
 IPA name: Falling tone letter
 IPA number: 530
 Unicode name: N/A
 Unicode range: Spacing Modifier Letters
 Hex value: 02E5 + 02E9
 TIPA code: \tone{51}v
 AFII code: E29A



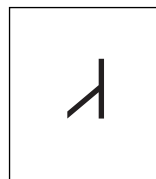
Name: HIGH RISING CONTOUR TONE (ACCENT MARK)
 IPA name: Macron + acute accent
 IPA number: 526
 Unicode name: COMBINING MACRON-ACUTE
 Unicode range: Combining Diacritical Marks Supplement
 Hex value: 1DC4
 TIPA code: N/A
 AFII code: E296



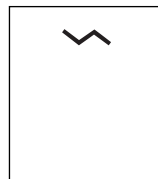
Name: HIGH RISING CONTOUR TONE (CHAO LETTER)
 IPA name: High-rising tone letter
 IPA number: 531
 Unicode name: N/A
 Unicode range: Spacing Modifier Letters
 Hex value: 02E7 + 02E5
 TIPA code: \tone{45}v
 AFII code: E29B



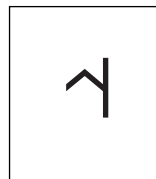
Name: LOW RISING CONTOUR TONE (ACCENT MARK)
 IPA name: Grave accent + macron
 IPA number: 527
 Unicode name: COMBINING GRAVE-MACRON
 Unicode range: Combining Diacritical Marks Supplement
 Hex value: 1DC5
 TIPA code: N/A
 AFII code: E297



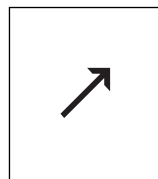
Name: LOW RISING CONTOUR TONE (CHAO LETTER)
 IPA name: Low-rising tone letter
 IPA number: 532
 Unicode name: N/A
 Unicode range: Spacing Modifier Letters
 Hex value: 02E9 + 02E7
 TIPA code: \tone{12}v
 AFII code: E29C



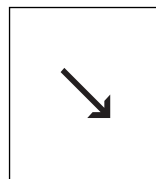
Name: RISING-FALLING CONTOUR TONE (ACCENT MARK)
 IPA name: Grave + acute + grave accent
 IPA number: 528
 Unicode name: COMBINING GRAVE-ACUTE-GRAVE
 Unicode range: Combining Diacritical Marks Supplement
 Hex value: 1DC8
 TIPA code: N/A
 AFII code: E298



Name: RISING-FALLING CONTOUR TONE (CHAO LETTER)
 IPA name: Rising-falling tone letter
 IPA number: 533
 Unicode name: N/A
 Unicode range: Spacing Modifier Letters
 Hex value: 02E7 + 02E6 + 02E8
 TIPA code: \tone{454}v
 AFII code: E29D

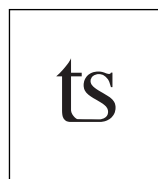


Name: GLOBAL RISE
 IPA name: Upward diagonal arrow
 IPA number: 510
 Unicode name: NORTH EAST ARROW
 Unicode range: Arrows
 Hex value: 2197
 TIPA code: \textglobrise
 AFII code: EF3E



Name: GLOBAL FALL
 IPA name: Downward diagonal arrow
 IPA number: 511
 Unicode name: SOUTH EAST ARROW
 Unicode range: Arrows
 Hex value: 2198
 TIPA code: \textglobfall
 AFII code: EF3D

ADDITIONAL SYMBOLS










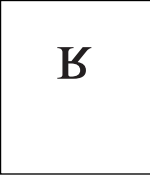






Name: VOICELESS DENTAL/ALVEOLAR AFFRICATE
 IPA name: T-S ligature (superseded by 103 + 132)
 IPA number: 211
 Unicode name: LATIN SMALL LETTER TS DIGRAPH
 Unicode range: IPA Extensions
 Hex value: 02A6
 TIPA code: N/A
 AFII code: E2FC

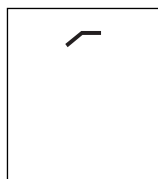


Name: VOICED ALVEOLAR AFFRICATE
 IPA name: D-Z ligature (superseded by 104 + 133)
 IPA number: 212
 Unicode name: LATIN SMALL LETTER DZ DIGRAPH
 Unicode range: IPA Extensions
 Hex value: 02A3
 TIPA code: N/A
 AFII code: E2F9

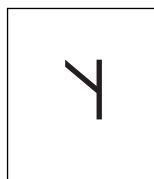
ADDITIONAL SYMBOLS

	<p>Name: VOICELESS POSTALVEOLAR AFFRICATE IPA name: T-Esh ligature (superseded by 103 + 134) IPA number: 213 Unicode name: LATIN SMALL LETTER TESH DIGRAPH Unicode range: IPA Extensions Hex value: 02A7 TIP A code: N/A AFII code: E2FD</p>		<p>Name: VOICED POSTALVEOLAR AFFRICATE IPA name: D-Ezh ligature (superseded by 104 + 135) IPA number: 214 Unicode name: LATIN SMALL LETTER DEZH DIGRAPH Unicode range: IPA Extensions Hex value: 02A4 TIP A code: N/A AFII code: E2FA</p>
	<p>Name: VOICELESS ALVEOLO-PALATAL AFFRICATE IPA name: T-Curly-tail-C ligature (superseded by 103 + 182) IPA number: 215 Unicode name: LATIN SMALL LETTER TC DIGRAPH W/ CURL Unicode range: IPA Extensions Hex value: 02A8 TIP A code: N/A AFII code: E2FE</p>		<p>Name: VOICED ALVEOLO-PALATAL AFFRICATE IPA name: D-Curly-tail-Z ligature (superseded by 104 + 183) IPA number: 216 Unicode name: LATIN SMALL LETTER DZ DIGRAPH W/ CURL Unicode range: IPA Extensions Hex value: 02A5 TIP A code: N/A AFII code: E2FB</p>
	<p>Name: R-COLOURED OPEN-MID CENTRAL VOWEL IPA name: N/A IPA number: N/A Unicode name: LATIN SMALL LETTER REVERSED OPEN E W/ HOOK Unicode range: IPA Extensions Hex value: 025D TIP A code: N/A AFII code: N/A</p>		<p>Name: DIACRITIC VOICED GLOTTAL FRICATIVE IPA name: N/A IPA number: N/A Unicode name: MODIFIER LETTER SMALL H W/ HOOK Unicode range: Spacing Modifier Letters Hex value: 02B1 TIP A code: N/A AFII code: N/A</p>
	<p>Name: DIACRITIC ALVEOLAR TRILL IPA name: N/A IPA number: N/A Unicode name: MODIFIER LETTER SMALL R Unicode range: Spacing Modifier Letters Hex value: 02B3 TIP A code: N/A AFII code: N/A</p>		<p>Name: DIACRITIC ALVEOLAR APPROXIMANT IPA name: N/A IPA number: N/A Unicode name: MODIFIER LETTER SMALL TURNED R Unicode range: Spacing Modifier Letters Hex value: 02B4 TIP A code: N/A AFII code: N/A</p>
	<p>Name: DIACRITIC RETROFLEX APPROXIMANT IPA name: N/A IPA number: N/A Unicode name: MODIFIER LETTER SMALL TURNED R W/ HOOK Unicode range: Spacing Modifier Letters Hex value: 02B5 TIP A code: N/A AFII code: N/A</p>		<p>Name: DIACRITIC UVULAR APPROXIMANT IPA name: Superscript inverted small capital R IPA number: 676 Unicode name: MODIFIER LETTER SMALL CAPITAL INVERTED R Unicode range: Spacing Modifier Letters Hex value: 02B6 TIP A code: N/A AFII code: N/A</p>
	<p>Name: DIACRITIC GLOTTAL STOP IPA name: N/A IPA number: N/A Unicode name: MODIFIER LETTER GLOTTAL STOP Unicode range: Spacing Modifier Letters Hex value: 02C0 TIP A code: N/A AFII code: N/A</p>		<p>Name: DIACRITIC RETROFLEXION IPA name: N/A IPA number: N/A Unicode name: COMBINING RETROFLEX HOOK BELOW Unicode range: Combining Diacritical Marks Hex value: 0322 TIP A code: N/A AFII code: E228</p>
	<p>Name: MID-LOW FALLING CONTOUR TONE (ACCENT MARK) IPA name: N/A IPA number: N/A Unicode name: COMBINING MACRON-GRAVE Unicode range: Combining Diacritical Marks Supplement Hex value: 1DC6 TIP A code: N/A AFII code: N/A</p>		<p>Name: MID-LOW FALLING CONTOUR TONE (CHAO LETTER) IPA name: N/A IPA number: N/A Unicode name: N/A Unicode range: Spacing Modifier Letters Hex value: 02E7 + 02E9 TIP A code: N/A AFII code: N/A</p>

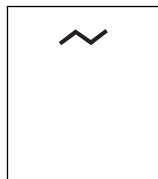
ADDITIONAL SYMBOLS



Name: HIGH-MID FALLING CONTOUR TONE (ACCENT MARK)
IPA name: N/A
IPA number: N/A
Unicode name: COMBINING ACUTE-MACRON
Unicode range: Combining Diacritical Marks Supplement
Hex value: 1DC7
TIPA code: N/A
AFII code: N/A



Name: HIGH-MID FALLING CONTOUR TONE (CHAO LETTER)
IPA name: N/A
IPA number: N/A
Unicode name: N/A
Unicode range: Spacing Modifier Letters
Hex value: 02E5 + 02E7
TIPA code: N/A
AFII code: N/A



Name: FALLING-RISING CONTOUR TONE (ACCENT MARK)
IPA name: N/A
IPA number: N/A
Unicode name: COMBINING ACUTE-GRAVE-ACUTE
Unicode range: Combining Diacritical Marks Supplement
Hex value: 1DC9
TIPA code: N/A
AFII code: N/A



Name: FALLING-RISING CONTOUR TONE (CHAO LETTER)
IPA name: N/A
IPA number: N/A
Unicode name: N/A
Unicode range: Spacing Modifier Letters
Hex value: 02E7 + 02E8 + 02E6
TIPA code: N/A
AFII code: N/A