

**Jju phonology****Phonology**

	p		t		k	kp	
	b		d		g	gb	
		f	s	ʃ			h
( <u>  </u> = fortis)		<u>f</u>	<u>s</u>	<u>ʃ</u>			
			z				
			<u>z</u>				
	pɸ		ts	tʃ	kx		
	<u>pɸ</u>		<u>ts</u>	<u>tʃ</u>			
	bβ			dʒ	gɣ		
	<u>bβ</u>			<u>dʒ</u>			
	m		n	ɲ	ŋ		
			l				
			r				
				ç		ʌ	
				<u>ç</u>		<u>ʌ</u>	
				y		w	
				<u>y</u>		<u>w</u>	

**Orthography**

	p		t		k	kp	
	b		d		g	gb	
		f	s	sh			h
		ff	ss	ssh			
			z				
			zz				
	pf		ts	c	kk		
	pfw		tss	cc			
	bv			j	gg		
	bvw			jj			
	m		n	ny	ng		
			l				
			r				
			rr				
				hy		hw	
				hyy		hww	
				y		w	
				yy		ww	

NB 1 Fortis articulation is particularly a feature of fricatives and affricates

2 /ç, ʌ, ç, ʌ/ <hy, hw, hyy, hww> could all equally be regarded as cases of palatalization or labialization of /h/. This would make the above statement true for them too, being voiceless and fricative.

**Labialization  
Phonology**

t <sup>w</sup>		k <sup>w</sup>
d <sup>w</sup>		g <sup>w</sup>
s <sup>w</sup>	ʃ <sup>w</sup>	
ʂ <sup>w</sup>	ʃ̣ <sup>w</sup>	
z <sup>w</sup>		
ʐ <sup>w</sup>		
ts <sup>w</sup>	tʃ <sup>w</sup>	kx <sup>w</sup>
ʈs <sup>w</sup>	tʃ̣ <sup>w</sup>	
	dʒ <sup>w</sup>	gɣ <sup>w</sup>
	dʒ̣ <sup>w</sup>	
	ɲ <sup>w</sup>	
ɾ <sup>w</sup>		
r <sup>w</sup>		
	◌ɥ	
	◌ɥ̣	
	ɥ	
	ɥ̣	

**Orthography**

tw		kw
dw		gw
sw	shw	
ssw	sshw	
zw		
zzw		
tsw	cw	kkw
tssw	ccw	
	jw	ggw
	jjw	
	nyw	
rw		
rrw		
	hyw	
	hyyw	
	yw	
	yyw	

NB 1 No labial consonants take labialization

2 /◌ɥ, ◌ɥ̣, ɥ, ɥ̣/ <hyw, hyyw, yw, yyw> could all equally be regarded as cases of labial-palatalization

***Palatalization*****Phonology**

p <sup>y</sup>	t <sup>y</sup>	k <sup>y</sup>	kp <sup>y</sup>
<u>p<sup>y</sup></u>	<u>t<sup>y</sup></u>	<u>k<sup>y</sup></u>	
b <sup>y</sup>	d <sup>y</sup>	g <sup>y</sup>	gb <sup>y</sup>
<u>b<sup>y</sup></u>	<u>d<sup>y</sup></u>	<u>g<sup>y</sup></u>	<u>gb<sup>y</sup></u>
m <sup>y</sup>			
<u>m<sup>y</sup></u>		<u>n<sup>y</sup></u>	
	r <sup>y</sup>		
	<u>r<sup>y</sup></u>		
	r <sup>y</sup>		

**Orthography**

py	ty	ky	kpy
pyy	tyy	kyy	
by	dy	gy	gby
byy	dyy	gyy	gbyy
my			
myy		nyy	
	r <sup>y</sup>		
	ryy		
	rry		

NB Labial consonants freely take palatalization.

***Labial-palatalization*****Phonology**

	t <sup>ɥ</sup>	k <sup>ɥ</sup>
		<u>k<sup>ɥ</sup></u>
	d <sup>ɥ</sup>	
	r <sup>ɥ</sup>	
	<u>r<sup>ɥ</sup></u>	

**Orthography**

	tyw	kyw
		kyyw
	dyw	
	ryw	
	ryyw	

NB No labial consonants take labial-palatalization

**Vowels****Phonology**

i	i	u
e	ə	o
	a	

**Orthography**

i	<u>i</u>	u
e	<u>a</u>	o
	a	

**Tones****Phonology**

high	´
mid	-
low	`

**Orthography**

high	´
mid	(unmarked)
low	`

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