# **Phonetic Features and Genetic Position of Cosao**

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#### I. Cosao Ethnic People and Their Language

The Cosao ethnic people, with a population of 149 persons, live in a village in Mengla County, Xishuangbannan Dai Nationality Autonomous Prefecture, Yunnan Province, China, roughly at longitude 101°34' E and latitude 21°37'N. The local Government classified them into the Hani nationality in 2004 due to linguistic and cultural similarities. However Cosao language has not been well described previously. Thus the Cosao ethnic people, their language and culture is neither known by linguists, nor by the outside world.

The term Cosao tsho<sup>55</sup>so<sup>55</sup> or tsho<sup>55</sup>so<sup>55</sup>tsho<sup>55</sup>zo<sup>31</sup>, meaning "happy people on the rich land", used in this paper comes from their own proclamation. However the local government, the Chinese and the Dai people call them  $ph\epsilon^{31}ko^{31}z\epsilon n^{31}$ , literally meaning "horizontally horned people", due to the shapes of women's headdresses. Nowadays the Cosao people have also accepted this nickname. According to their oral stories, they constantly mention a historical place name la<sup>55</sup>sa<sup>33</sup>, where their ancestors migrated from. Later on, they moved back and forth in the jungles of the Mekong River region. In the long past they have had contact with Dai, Hani and Chinese people. Before the early 1940s they moved back and forth in the borders of China and Laos, and then they settled down in their current village in Mengla County of Xishuangbanna Dai Autonomous Prefecture. The first families who initiated the village are surnamed TAO, later on the families surnamed XIU, ZHAO, HU and LI moved into the village. In the last few decades, some Chinese Han from Hunan, Sichuan, Guangxi and also Hani, Yi, Yao, Dai and Khmu ethnic people have moved into the village due to inter-marriage. In Laos there are two Cosao hamlets, with around 400 people, who are their closest kin-clan, using the same language.

The Cosao village is a multi-lingual community with more and more non-Cosao speaking members joining the village. Therefore for some families, Cosao adults speak Cosao and Southwest Chinese Mandarin in the families' domain, while for some families they speak Cosao, Southwest Chinese Mandarin, Hani, Yao or Yi. But for others, they speak more Southwest Chinese Mandarin only in the families and in the village. Most Cosao adults use Southwest Chinese Mandarin, as the regional lingua franca, and some use Dai to communicate with the outside world. Currently the Cosao people still maintain their ethnic identity. Nevertheless, with more and more contact with Chinese and Dai in the outside world and due to their very small population, their culture and language have undergone great change, and are facing assimilation, shifting and endangerment.

### **II.** Phonology and Consonant Changes

Research data<sup>1</sup> find that there are some distinct differences between two generations, those under sixty years old (adult) and over sixty years old (elder). Linguistic data discussed in Tones, Consonants and Vowels in the following are recorded and reduced from an adult consultant, while the data indicated for Voiced to Voiceless Consonants, Voiced Consonant Clusters to Voiceless Palatalized are taken from an elder and an adult.

### 2.1 Tones, Consonants and Vowels

#### 2.1.1 Tones

Cosao is a tonal language. Five basic tones are found in Cosao adult speech, namely, low falling 31, mid level 33, high level 55, high falling 53, and mid rising 24, for example:

ma31/mə31	not	la31	hand	ta31	paint
ma33	dream	la33	stir	ta33	ride
ma55	night	la55	length of arm spread	ta55	little amount
ma53	tired	la53	massage	ta53	look
xaŋ24	weld	toŋ <sup>24</sup>	bamboo joint	ta24	big

#### **2.1.2 Consonants**

36 consonants are found in Cosao, including 8 palatalized pj, phj, mj, tj, thj, lj, kj, khj, ηj, as follows:

р	ph	m	W	pj	phj	mj	f	v
ts	tsh						S	Z
t	th	n	1	tj	thj	lj		
tç	tçh	ņ.					ç	Z
k	kh	ŋ	х	kj	khj	ŋj	Y	h
q	qh							

#### 2.1.3 Vowels

43 vowels or finals are founds in Cosao as follows:

i	a	e	ε	ə	ш	u	0	э	у
a	ē	õ							
ei	ai	aш	au	əi	əu	əi	ua	uai	ui

<sup>&</sup>lt;sup>1</sup> Our language consultants include an elder 82 years of age, Mr. TAO, an adult 50 years of age, Mr. ZHAO and Mrs. CHEN 45 years of age, who have been recommended by the community to collaborate with us for a long period of time.

am	an	aŋ	εn	ən	εŋ	ອກ	in	iŋ	աŋ
эm	on	oŋ	uan	uaŋ	un	ym			
ak	εt	ур							

### **2.2 Consonant Changes**

#### 2.2.1 Voiced to Voiceless consonants

There are some distinct differences between the elder generation of over eighty years of age, and younger generations under sixty years of age, which displays some consonant evolution in the Cosao language.

In the processes of studying the Cosao language, we found that there are some remarkable sound changes. One of the salient changes is that voiced consonants have changed to voiceless consonants. The elders speak with more voiced consonants: b-, d-, g-, dz-, dz- in some words, while the younger generations speak with p-, t-, k-, ts-, tç- in those words. This phenomenon is of particular interest to us therefore we have examined these data carefully. Examples are given as follows:

eld. voiced	>	adult	voiceless	eld. voiced	>	adultvoiceless	
la <sup>31</sup> bu <sup>53</sup>	>	la <sup>31</sup> pu <sup>53</sup>	hand	be <sup>33</sup> zo <sup>31</sup>	>	pe <sup>33</sup> zo <sup>31</sup>	dragon
bə <sup>31</sup> but <sup>55</sup>	>	pə <sup>31</sup> pm <sup>55</sup>	face	$n\epsilon^{31}do^{31}$	>	$n\epsilon^{31}to^{31}$	jaw
bo <sup>33</sup> mə <sup>33</sup>	>	po <sup>33</sup> mə <sup>33</sup>	stomach	ny <sup>31</sup> by <sup>31</sup>	>	ny <sup>31</sup> py <sup>31</sup>	nasal discharge
by <sup>31</sup> khut <sup>55</sup>	>	py <sup>31</sup> khut <sup>55</sup>	silk	$na^{31}ba^{31}ba^{31}$	>	$na^{31}pa^{31} pa^{31}$	deaf
go <sup>33</sup>	>	ko <sup>33</sup>	pick up	suu <sup>31</sup> dzuu <sup>55</sup> bo <sup>55</sup>	>	sm <sup>31</sup> tsm <sup>55</sup> po <sup>55</sup>	tree
ge <sup>31</sup>	>	ke <sup>31</sup>	leech	gw <sup>33</sup>	>	kui <sup>33</sup>	dry
dzo <sup>55</sup> 9 <sup>33</sup>	>	tç3 <sup>55</sup> 3 <sup>33</sup>	live	dza <sup>33</sup> zə <sup>31</sup>	>	tça <sup>33</sup> zə <sup>31</sup>	property/domestic
							animals

#### 2.2.2 Voiced Consonant Clusters and Voiceless Palatalized

The linguistic evidence shows that the elders have voiced consonant clusters bl, pl, phl, ml<sup>2</sup>. Nevertheless the younger generations have changed all those voiced consonant clusters into voiceless palatalized consonants pj, pj, phj, mj, simultaneously voiceless unaspirated clusters into voiceless unaspirated palatalized and aspirated clusters into voiceless aspirated palatalized ones. Examples are given as follows:

elder bl	>	adult pj	meaning
bla <sup>33</sup>	>	pja <sup>33</sup>	open eyes

<sup>&</sup>lt;sup>2</sup> During fieldwork, we have found that there are some interesting arguments among our language consultants. The younger informants sometimes disagree with the elder ones' pronunciation of some words. They argued and criticized that the elders are "neither correct, nor clear pronunciation", which arouse our attention more to the difference between generations in sound changes. The data was taken down in the Mangang village by BAI in July, 2015.

bla <sup>31</sup> u <sup>33</sup>	>	pja <sup>31</sup> u <sup>33</sup>	taro
bla <sup>53</sup> khy <sup>33</sup>	>	pja <sup>53</sup> khy <sup>33</sup>	stride over
bo <sup>33</sup> bla <sup>55</sup>	>	po <sup>33</sup> pja <sup>55</sup>	break
blə <sup>31</sup> tçhi <sup>55</sup>	>	pjə <sup>31</sup> t¢hi <sup>55</sup>	honey
blə <sup>31</sup> xəm <sup>31</sup>	>	pjə <sup>31</sup> xəm <sup>31</sup>	beeswax
blə <sup>31</sup> po <sup>31</sup>	>	pjə <sup>31</sup> po <sup>31</sup>	honeybeebox (man-made)
oŋ <sup>31</sup> blɛ <sup>31</sup> ut <sup>55</sup>	>	$\mathfrak{sh}^{31}\mathfrak{pj}\mathfrak{e}^{31}\mathfrak{w}^{55}$	rice-milk
ku <sup>55</sup> blə <sup>31</sup>	>	ku <sup>55</sup> pjə <sup>31</sup>	gooseflesh
$z a^{31} b l \epsilon^{33}$	>	zə <sup>31</sup> pje <sup>33</sup>	baby
blo <sup>31</sup>	>	a <sup>31</sup> pjo <sup>31</sup> mə <sup>31</sup> pjo <sup>31</sup>	leak not leak
blo <sup>33</sup> əŋ <sup>55</sup>	>	pjo <sup>33</sup> əŋ <sup>55</sup> ə <sup>33</sup>	help
li <sup>55</sup> li <sup>55</sup> blo <sup>33</sup>	>	li <sup>55</sup> li <sup>55</sup> pjo <sup>33</sup>	Wind blows.
khə <sup>31</sup> blo <sup>31</sup>	>	khy <sup>31</sup> pjo <sup>31</sup>	throat
blo <sup>55</sup> to <sup>53</sup>	>	pjo <sup>55</sup> to <sup>53</sup>	widower
no <sup>55</sup> blo <sup>55</sup>	>	no <sup>55</sup> pjo <sup>55</sup>	grasshopper
di <sup>55</sup> blo <sup>33</sup>	>	ti <sup>55</sup> pjo <sup>33</sup>	fan
blau <sup>55</sup>	>	pjau <sup>55</sup>	buffalo
t¢ho <sup>31</sup> blo <sup>53</sup>	>	t¢hɔ <sup>31</sup> pjɔ <sup>53</sup>	penis
$a^{31}blo^{53}son^{33}o^{33}$	>	$a^{31}pjo^{53} son^{33} o^{33}$	teacher
$a^{31}blo^{53} tu^{31} o^{33}$	>	$a^{31}pjo^{53} tu^{31} o^{33}$	pupil

elder pl	>	adult pj	meaning
xə <sup>33</sup> pla <sup>55</sup> a <sup>33</sup>	>	xə <sup>33</sup> pja <sup>55</sup> a <sup>33</sup>	break off with hands
plə <sup>55</sup> plə <sup>55</sup>	>	pjə <sup>55</sup> pjə <sup>55</sup>	to have pus
za <sup>33</sup> plau <sup>55</sup>	>	za <sup>33</sup> pjau <sup>55</sup>	broom

elder phl	>	adult phj	meaning
a <sup>31</sup> phlə <sup>31</sup>	>	ə <sup>31</sup> phjə <sup>31</sup>	thigh
no <sup>33</sup> phla <sup>33</sup>	>	no <sup>33</sup> phja <sup>33</sup>	soybean
khi <sup>55</sup> the <sup>33</sup> phla <sup>33</sup>	>	khi <sup>55</sup> the <sup>33</sup> phja <sup>33</sup>	broken crotch of trousers
tsha <sup>55</sup> phle <sup>53</sup>	>	tsha <sup>55</sup> phje <sup>53</sup>	braid

elderml	>	adultmj	meaning
mla <sup>33</sup> blə <sup>53</sup>	>	mja <sup>33</sup> pjə <sup>53</sup> mə <sup>31</sup> pjə <sup>53</sup>	blind not blind
mla <sup>33</sup> məŋ <sup>31</sup>	>	mja <sup>33</sup> məŋ <sup>31</sup>	eyebrow
mla <sup>33</sup> bi <sup>55</sup>	>	mja <sup>33</sup> pi <sup>55</sup>	tears
mlo <sup>53</sup>	>	mjo <sup>53</sup>	lick

mlom <sup>53</sup>	>	mjom <sup>53</sup>	swallow down
khə <sup>55</sup> mlə <sup>53</sup>	>	khə <sup>55</sup> mjə <sup>53</sup>	many
om <sup>31</sup> mlɛ <sup>33</sup> kha <sup>33</sup>	>	om <sup>31</sup> mje <sup>33</sup> kha <sup>33</sup>	thunder
suu <sup>31</sup> mla <sup>33</sup>	>	suu <sup>31</sup> mja <sup>33</sup>	tree wart

## **III. Words and Cognate Correspondence**

# **3.1 Parts of Speech**

About 3000 words that we have recorded in the last few years include some nouns, pronouns, numerals, classifiers, adjectives, verbs, adverbs, conjunctions, particles and interjections. Here are listed just a few examples for some parts of speech.

#### 3.1.1 Nouns

Nouns include various aspects of object names for concrete and abstract ideas.

tso <sup>55</sup>	house	min <sup>31</sup>	fire
i <sup>31</sup> tha <sup>31</sup>	rain	la <sup>31</sup> phau <sup>33</sup>	stone
ma <sup>55</sup> tan <sup>33</sup>	watermelon	ma <sup>55</sup> min <sup>55</sup>	cat
ma <sup>55</sup> lom <sup>53</sup>	ball	ma <sup>55</sup> kjo <sup>33</sup>	pumpkin

#### Names of concrete objects:

#### Names of abstract concepts:

nu <sup>33</sup> və <sup>33</sup>	conscientious	a <sup>31</sup> sa <sup>31</sup> lo <sup>55</sup>	soul
ne <sup>31</sup> khu <sup>31</sup> ma <sup>31</sup>	supernatural being	ne <sup>31</sup> kha <sup>33</sup>	devil
a <sup>31</sup> thu <sup>55</sup>	sound	su <sup>31</sup> tu <sup>31</sup>	language
a <sup>31</sup> thu <sup>55</sup>	sound	su <sup>31</sup> tu <sup>31</sup>	language

#### Names of Times:

i <sup>31</sup> ŋji <sup>33</sup>	yesterday	i <sup>31</sup> ma <sup>55</sup>	last night
a <sup>31</sup> mu <sup>55</sup> to <sup>33</sup>	recent	a <sup>31</sup> mw <sup>55</sup> thə <sup>31</sup> tho <sup>55</sup>	future
lə <sup>33</sup>	month	naŋ <sup>33</sup>	year

#### Names of Locations:

pm <sup>55</sup> to <sup>33</sup>	east	pm <sup>55</sup> qə <sup>33</sup>	west
a <sup>31</sup> u <sup>53</sup>	front	a <sup>31</sup> tha <sup>53</sup>	above
a <sup>31</sup> khe <sup>31</sup>	in side of a house	a <sup>31</sup> tsa <sup>33</sup> la <sup>33</sup>	out side of house
$la^{31}au^{31} la^{31}mo^{55}$	left and right	za <sup>55</sup> pha <sup>53</sup> na <sup>55</sup> pha <sup>53</sup>	here and there
a <sup>31</sup> 3 <sup>31</sup> pj3 <sup>55</sup>	beneath	tso <sup>33</sup> tho <sup>53</sup> tso <sup>55</sup> tsa <sup>55</sup>	front and back of house

#### Terms of Kinship

$\mathfrak{s}^{3^{1}}$ phy <sup>33</sup>   grandpa   $\mathfrak{s}^{3^{1}}$ phi <sup>33</sup>   grandma
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ə <sup>31</sup> pu <sup>33</sup>	father	ə <sup>31</sup> mə <sup>33</sup>	mother
zə <sup>31</sup> zo <sup>33</sup>	son	ə <sup>55</sup> mən <sup>33</sup>	wife of mother's brother
zə <sup>31</sup> mi <sup>31</sup>	daughter	a <sup>33</sup> tshai <sup>33</sup>	elder sister
lan <sup>33</sup>	grandchild	khəi <sup>33</sup>	daughter's husband
a <sup>33</sup> zą <sup>53</sup>	elder brother	ə <sup>55</sup> ky <sup>33</sup>	mother's brother
zo <sup>33</sup> tçi <sup>55</sup>	husband	khə <sup>31</sup> mə <sup>33</sup>	wife

### Names of New Utensils Loaned from Chinese

səu <sup>31</sup> tçi <sup>33</sup>	mobile phone	tho <sup>55</sup> la <sup>55</sup> tçi <sup>55</sup>	tractor
mo <sup>31</sup> tho <sup>31</sup> tshə <sup>33</sup>	motor	piŋ <sup>55</sup> ¢aŋ <sup>55</sup>	refrigerator
tjen <sup>24</sup> lu <sup>31</sup>	electricity stove	ve <sup>55</sup> ¢i <sup>55</sup> ti <sup>55</sup>	VCD

#### **3.1.2 Pronouns**

		Personal Pronouns:		
cas	psn	1 person	2 person	3 person
	NOM	ŋ0 <sup>55</sup> I	ne <sup>55</sup> you	a <sup>31</sup> nom <sup>31</sup> he/she
sl	ACC	ŋa <sup>31</sup> me	ne <sup>55</sup> you	a <sup>31</sup> nom <sup>31</sup> him/her/it
	GEN	<sub>ຶ</sub> ງອ <sup>31</sup> ອ <sup>33</sup> my	ne <sup>55</sup> ə <sup>33</sup> yours	a <sup>31</sup> nom <sup>31</sup> ə <sup>33</sup> his/her/its
	NOM	ŋa <sup>55</sup> ŋjε <sup>53</sup> we two	na <sup>33</sup> ŋjɛ <sup>53</sup> you two	a <sup>31</sup> nom <sup>31</sup> ŋjɛ <sup>53</sup> he/she two
1	ACC	ŋa <sup>55</sup> ŋjε <sup>53</sup> we two	na <sup>33</sup> ŋjɛ <sup>53</sup> you two	a <sup>31</sup> nom <sup>31</sup> ŋjɛ <sup>53</sup> he/she two
pl	GEN	ŋa <sup>55</sup> ŋjɛ <sup>31</sup> ə <sup>33</sup> we two's	na <sup>33</sup> ŋj $\epsilon^{53}$ ə <sup>33</sup> you two's	$a^{31}$ n.om <sup>31</sup> nje <sup>53</sup> o <sup>33</sup> he/she two's
	NOM	ηə <sup>33</sup> γu <sup>53</sup> we	ne <sup>55</sup> yu <sup>33</sup> you	a <sup>31</sup> nom <sup>31</sup> zəu <sup>33</sup> they
	ACC	ŋə <sup>33</sup> γu <sup>53</sup> us	ne <sup>55</sup> yu <sup>33</sup> you	a <sup>31</sup> nom <sup>31</sup> zəu <sup>33</sup> them
	GEN	$\eta \mathfrak{d}^{55} \mathfrak{r}^{33} \mathfrak{d}^{33} \mathfrak{our}$	$n\epsilon^{55}\gamma u^{33} a^{33}$ your	$a^{31}$ n sm <sup>31</sup> zəu <sup>33</sup> ə <sup>33</sup> their

#### **Demonstrative Pronoun**

 $i^{55}$  this,  $ni^{55}$  that,  $i^{55}l\epsilon^{33}$  this one,  $ni^{55}l\epsilon^{31}$  that one,  $i^{55}z \ni u^{33}$  these  $ni^{55}z \ni u^{33}$  those

Interrogative Fronoun				
thə <sup>31</sup> çi <sup>33</sup>	who	khə <sup>55</sup> lu <sup>31</sup> lai <sup>55</sup>	how many persons	
a <sup>55</sup> t¢hə <sup>31</sup>	what	khə <sup>55</sup> lu <sup>31</sup>	how many things	
khə <sup>31</sup> çi <sup>55</sup>	which	khə <sup>24</sup> lə <sup>33</sup> tho <sup>55</sup>	how many often	
khə <sup>31</sup> ə <sup>33</sup> lai <sup>55</sup>	which one	khə <sup>31</sup> məŋ <sup>33</sup> zəŋ <sup>31</sup>	when	
$a^{55}$ t¢h $a^{33}$ y $\epsilon^{53}$	which kind	a <sup>55</sup> t¢hə <sup>33</sup> lai <sup>24</sup>	why	
khə <sup>31</sup> ə <sup>24</sup> thə <sup>31</sup> ki <sup>55</sup>	which matter	a <sup>55</sup> t¢hə <sup>33</sup>	how	
khə <sup>31</sup> pa <sup>33</sup>	where	a <sup>55</sup> t¢hə <sup>33</sup> le <sup>53</sup>	how about	

#### **Interrogative Pronoun**

#### **3.1.3 Numerals**

Cardinal Numerals: th $3^{1}$  one,  $\eta j \epsilon^{53}$  two, sa<sup>33</sup> three,  $li^{53}$  four,  $\eta 3^{1}$  five, khjo<sup>31</sup> six, cei<sup>53</sup> seven,  $\epsilon^{31}$  eight, ky<sup>31</sup> nine, tsh $3^{55}$  ten.

Cosao have been using the local Chinese numbers:  $zi^{31}$  one,  $a^{24}$  two,  $san^{55}$  three,  $sur^{24}$  four,  $wu^{31}$  five,  $lu^{53}$  six, tchi<sup>31</sup> seven,  $pa^{31}$  eight, tca<sup>33</sup> nine,  $sur^{53}$  ten,  $lin^{31}$  zero (Chi).

Cosao have been using the local Dai numbers:  $nun^{33}$  one,  $son^{33}$  two,  $san^{33}$  three,  $ci^{24}$  four,  $ha^{213}$  five,  $hok^{24}$  six,  $cai^{53}$  seven,  $pjet^{24}$  eight,  $kau^{213}$  nine,  $cet^{24}$  ten,  $hoi^{33}$  hundred,  $pan^{31}$  thousand, mun<sup>55</sup> ten thousand.

#### **3.1.4 Classifiers**

Classifiers are numerous. They are likely constituent with own classifiers, Dai and Chinese loaned classifiers which could be divided into several subcategories according to its origins and functions. Classifiers always follow nouns and numerals to compose a pattern: NP + NUM + CLF.

Individual classifiers reduplicate noun or its constituents. They are consistently used with designated nouns, which is popular in Cosao:

pjen <sup>55</sup>	thə <sup>31</sup>	pjen <sup>55</sup>	a piece of board
board	one	CLF-board	
p3 <sup>33</sup>	thə <sup>31</sup>	po <sup>33</sup>	a book

Individual classifiers reduplicate stem of nouns instead of prefixes:

a <sup>31</sup> sa <sup>53</sup>	thə <sup>31</sup>	sā <sup>53</sup>	a life
life	one	CLF-life	
a <sup>31</sup> u <sup>55</sup>	thə <sup>31</sup>	u <sup>55</sup>	a piece of intestine
intestine	one	CLF-intestine	

Classifiers reduplicate key constituents of compound nouns:

kho <sup>31</sup> sə <sup>31</sup>	thə <sup>31</sup>	kho <sup>31</sup>	a rice bowl
bowl	one	CLF-bowl	
za <sup>33</sup> pjau <sup>55</sup>	thə <sup>31</sup>	za <sup>33</sup>	a broom
broom	one	CLF-broom	
sw <sup>31</sup> pha <sup>53</sup>	thə <sup>31</sup>	pha <sup>53</sup>	a leaf
tree-leaf	one	CLF-leaf	
su <sup>31</sup> tu <sup>31</sup>	thə <sup>31</sup>	tu <sup>31</sup>	a word
word	one	CLF-word	

Sharing classifier  $mom^{55}$  "body, stem" is originated from  $a^{31}mom^{55}$  meaning "body", which is used to account of whole body of animals, birds and insects.

mjom <sup>53</sup>	sa <sup>33</sup>	mom <sup>55</sup>	three horses
horse	three	CLF	
pu <sup>31</sup> na <sup>33</sup>	<b>ງ</b> ອ <sup>31</sup>	mom <sup>55</sup>	five buffaloes
buffalo	five	CLF	

- <sup>33</sup> - <b>b</b> - <sup>3</sup> ]- <b>b</b>	311	:55	41	1ə <sup>31</sup>			.55		a			]
a <sup>33</sup> phə <sup>31</sup> pha	∍- pn	5							a wn	nte ro	ooster	
<u>cock</u>		one			_			1				
ne <sup>31</sup> kha <sup>33</sup>		thə <sup>3</sup>							a dei	mon		
demon				ne		CLF						
Personal cla	assifi	1		1		huma	n b				used:	
zə <sup>31</sup> min <sup>31</sup>		ŋjɛ⁵	3		lai <sup>55</sup>			two	daught	ers		
daughter		two			CLF							
a <sup>55</sup> zau <sup>53</sup> a <sup>33</sup> pa <sup>53</sup>		sa <sup>33</sup>			lai <sup>55</sup>			three	e brothe	rs		
brother		thre	e		CLF							
tsho <sup>55</sup> zə <sup>31</sup>		sa <sup>33</sup>	i		lai <sup>55</sup>			three	e people	)		
people		thre	e		CLF							
Object class	ifier	le <sup>31</sup> f	or mea	asuri	ng arti	cles:						
tha <sup>53</sup> zə <sup>31</sup>		thə <sup>31</sup>			le <sup>31</sup>			chisel				
chisel		one			CLF							
min <sup>31</sup> tut <sup>53</sup>		t	hə <sup>31</sup>		le <sup>31</sup> a		a	a lighter				
lighter		0	ne		CLF							
Classifier u <sup>33</sup> ori	ginat	es fro	om "eg		for acc	ounti	ng '	'egg"	:			
a <sup>31</sup> au <sup>33</sup>	thə		u <sup>33</sup>			cken						
chicken-egg	one	;	CLF	7								
qhe <sup>31</sup> u <sup>33</sup>	thə	31	u <sup>33</sup>		a bir	d egg						
bird-egg	one		CLF									
Classifier u <sup>33</sup> als	so ac								rs:	1		
pja <sup>31</sup> u <sup>33</sup>		thə <sup>3</sup>	1	u <sup>33</sup>		a	tare	5				
taro 31		one	1				Cl	•				
muŋ <sup>31</sup>		thə <sup>3</sup>	<u> </u>	$u^{33}$		a	a Chinese yam		-			
Chinese-yam					CLF					-		
tso <sup>55</sup> lo <sup>33</sup> pa <sup>55</sup>				••			a cassava		-			
cassava		one			CLF					-		
$za^{31}zi^{55}$		thə <sup>3</sup>	1	u <sup>33</sup>		a	pot	ato				
potato		one		CI								
Classifier sə		rigina	ites fr	om	ə <sup>3</sup> \$ə <sup>31</sup>	"frui	ť"	for a	ccountii	ng fr	uit, fr	uit-sha
objects, or alike	:											

objects, of allke:			
$a^{31}sa^{31}$	thə <sup>31</sup>	sə <sup>31</sup>	a fruit
fruit	one	CLF	
sə <sup>31</sup> phy <sup>31</sup>	thə <sup>31</sup>	sə <sup>31</sup>	a wild apple
wild apple	one	CLS	
əŋ <sup>31</sup> ki <sup>55</sup>	thə <sup>31</sup>	sə <sup>31</sup>	a star
star	one	CLF	

phju <sup>55</sup> mɔ <sup>55</sup>	thə <sup>31</sup>	sə <sup>31</sup>	a silver coin
silver	one	CLF	

Classifier tse<sup>31</sup> for accounting pairs of articles:

khi <sup>55</sup> tshu <sup>53</sup>	thə <sup>31</sup>	tse <sup>31</sup>	a pair of shoes
shoes	one	CLF-pair	
tche <sup>33</sup> thu <sup>31</sup>	sa <sup>33</sup>	tse <sup>53</sup>	three pairs of chop sticks
chopstick	three	CLF-pair	

Classifier khon<sup>55</sup> a body part of pairs, or a single of pairs:

na <sup>31</sup> pha <sup>31</sup>	thə <sup>31</sup>	khəŋ <sup>55</sup>	one ear
ear	one	CLF	
la <sup>31</sup> pu <sup>53</sup>	thə <sup>31</sup>	khəŋ <sup>55</sup>	one hand
hand	one	CLF	
mja <sup>33</sup> sə <sup>31</sup>	ŋje <sup>53</sup>	khəŋ <sup>55</sup>	two eyes
eye	two	CLF	
a <sup>31</sup> khi <sup>55</sup>	thə <sup>31</sup>	khəŋ <sup>55</sup>	one foot
foot	one	CLF	

Classifier  $x\epsilon^{33}$  for measuring a sheet, piece or pair of clothing:

pha <sup>55</sup> tçen <sup>33</sup>	thə <sup>31</sup>	xe <sup>33</sup>	a piece towel
towel	one	CLF	
mau <sup>31</sup> than <sup>33</sup> i <sup>31</sup> kja <sup>55</sup>	thə <sup>31</sup>	xe <sup>33</sup>	a sheet of blanket
blanket	one	CLF	

Classifier po<sup>55</sup> originating from su<sup>31</sup>tsu<sup>55</sup>po<sup>55</sup> "stem of plant" counting for plants:

tho <sup>31</sup> xu <sup>31</sup> ə <sup>31</sup> po <sup>55</sup>	thə <sup>31</sup>	po <sup>55</sup>	a pine tree
pine-tree	one	CLF-tree	
sui <sup>31</sup> tchau <sup>31</sup> a <sup>31</sup> po <sup>55</sup>	thə <sup>31</sup>	po <sup>55</sup>	a plum tree
plum	one	CLF-tree	
səŋ <sup>31</sup> a <sup>31</sup> po <sup>55</sup>	thə <sup>31</sup>	po <sup>55</sup>	a peach tree
peach-tree	one	CLF-tree	

Classifier tsho<sup>5</sup> <sup>3</sup>for measuring cluster, tuft of plants:

pho <sup>31</sup> t¢hi <sup>55</sup>	thə <sup>31</sup>	tsho <sup>53</sup>	a tuft of sugar cane
sugarcane	one	CLF-cluster	
ŋa <sup>33</sup> t¢hə <sup>55</sup>	thə <sup>31</sup>	tsho <sup>53</sup>	a tuft of banana
banana	one	CLF-cluster	

Classifier xo<sup>31</sup> for counting rod, or log of plants:

pho <sup>31</sup> t¢hi <sup>55</sup>	thə <sup>31</sup>	xo <sup>31</sup>	a sugar cane
sugar can	one	CLF-rod	

və <sup>31</sup>	thə <sup>31</sup>	x0 <sup>31</sup>	a bamboo rod
bamboo	one	CLF-rod	
sm <sup>31</sup> tsm <sup>55</sup> po <sup>55</sup>	thə <sup>31</sup>	xo <sup>31</sup>	a log
tree-stem	one	CLF-rod	

Classifier lo <sup>33</sup>originating from "a longish piece of bamboo from joint to another joint" which measures objects with joints:

və <sup>31</sup>	thə <sup>31</sup>	lo <sup>33</sup>	a joint of bamboo
bamboo	one	CLF-joint	
la <sup>31</sup> lo <sup>33</sup>	thə <sup>31</sup>	lo <sup>33</sup>	a low part of arm
arm	one	CLF-joint	

Classifier lo <sup>33</sup>also extending to measuring for longish plots of land, and road:

ti <sup>33</sup> ko <sup>53</sup>	thə <sup>31</sup>	lo <sup>33</sup>	a long plot of paddy field
paddy	one	CLF-plot	
a <sup>55</sup> lo <sup>33</sup>	thə <sup>31</sup>	lo <sup>33</sup>	a pass in mountains with weeds covered
passage	one	CLF-field-pass	

Classifier toŋ<sup>24</sup> for counting piece of log:

x0 <sup>53</sup>	thə <sup>31</sup>	toŋ <sup>24</sup>	a piece of log
log	one	CLF	
pho <sup>31</sup> t¢hi <sup>55</sup>	thə <sup>31</sup>	toŋ <sup>24</sup>	a piece of sugar cane
sugar-cane	one	CLF	

Classifier tsu <sup>31</sup> for counting of bundles:

ku <sup>31</sup> tçi <sup>31</sup>	thə <sup>31</sup>	tsw <sup>31</sup>	a bundle of vegetables
vegetable	one	CLF-bundle	
i <sup>53</sup>	thə <sup>31</sup>	tsw <sup>31</sup>	a bundle of thatch grass
thatch-grass	one	CLF-bundle	

Classifier the<sup>33</sup> for counting wrapped matters:

a <sup>31</sup> kja <sup>31</sup>	thə <sup>31</sup>	the <sup>33</sup>	a package of thing
thing	one	CLF-package	
oŋ <sup>31</sup>	thə <sup>31</sup>	the <sup>33</sup>	a package of rice
rice	one	CLF-package	

Classifier han<sup>33</sup> for counting a set of farm tools:

phuu <sup>33</sup>	thə <sup>31</sup>	haŋ <sup>33</sup>	a hand harrow
hand-harrow	one	CLF-harrow	
phei <sup>33</sup>	thə <sup>31</sup>	haŋ <sup>33</sup>	a foot harrow
foot-harrow	one	CLF-harrow	

Classifier tso <sup>33</sup> for counting young seedling or plant:

ko <sup>33</sup> zə <sup>31</sup>	thə <sup>31</sup>	tso <sup>33</sup>	a young plant
			5 81

young-plants	one	CLF-seedling	
tsha <sup>55</sup> tsə <sup>53</sup>	thə <sup>31</sup>	tso <sup>33</sup>	a seedling of rapeseed
rapeseed	one	CLF-seedling	

Classifier tsho<sup>53</sup> for counting plants cluster:

za <sup>55</sup> kha <sup>33</sup> ty <sup>31</sup> py <sup>33</sup>	thə <sup>31</sup>	tsho <sup>53</sup>	a cluster of weeds
weed	one	CLF-cluster	
ku <sup>31</sup> po <sup>55</sup>	thə <sup>31</sup>	tsho <sup>53</sup>	a cluster of scallion
scallion	one	CLF-cluster	

#### 3.1.5 Adjectives

#### Adjectives are mainly monosyllable stems:

naŋ <sup>53</sup>	deep	pə <sup>31</sup>	shallow	ko <sup>33</sup>	curve	pi <sup>33</sup>	transverse
tshym <sup>33</sup>	tine	mə <sup>55</sup>	thin	mɯŋ <sup>31</sup>	good	səu <sup>31</sup>	bad
lo <sup>55</sup>	hot	w <sup>53</sup>	far	mom <sup>31</sup>	old	non <sup>31</sup>	tender
nə <sup>31</sup>	near	mjə <sup>53</sup>	more	pm <sup>55</sup>	gray	$\mathbf{a}^{31}$	correct

There are some bi-syllable adjectives:

zə <sup>31</sup> sut <sup>53</sup>	clever	la <sup>55</sup> ŋā <sup>53</sup>	stupid
pjo <sup>33</sup> tu <sup>53</sup>	lazy	tho <sup>31</sup> khə <sup>31</sup>	vertical
ηε <sup>31</sup> na <sup>55</sup>	fragrant	ta <sup>53</sup> muŋ <sup>31</sup>	beautiful

However more dissyllable adjectives are derived from mono-syllables with prefix  $a^{31}$ -,or  $zo^{33}$ - which function as nominatives:

a <sup>31</sup> pu <sup>55</sup>	grayness	a <sup>31</sup> mi <sup>31</sup>	purple color
a <sup>31</sup> laŋ <sup>55</sup>	blueness	a <sup>31</sup> me <sup>31</sup>	short height
a <sup>31</sup> pje <sup>31</sup>	thickness	a <sup>31</sup> ŋjɛ <sup>31</sup>	emptiness
zo <sup>33</sup> mə <sup>33</sup>	bigness	zo <sup>33</sup> mjəŋ <sup>55</sup>	height

Other adjectives are formed with the nominalizing prefix, and then with a suffix where the vowel is the vowel of the adjective stem, which form a vowel harmony pattern of [-lv]:

a <sup>31</sup> ko <sup>33</sup> lo <sup>33</sup>	curvedly	$a^{31}pa^{55}la^{55}$	deep red
a <sup>31</sup> pi <sup>33</sup> li <sup>33</sup>	transversely	a <sup>31</sup> hui <sup>55</sup> lui <sup>55</sup>	very yellow
a <sup>31</sup> pu <sup>55</sup> lu <sup>55</sup>	gray	tho <sup>31</sup> khə <sup>31</sup> lə <sup>31</sup>	vertically
$a^{31}m\epsilon^{31}l\epsilon^{31}$	very shortly	a <sup>33</sup> lo <sup>31</sup> lo <sup>31</sup>	brightly

A few adjectives are formed with negative  $may^{31}$  "not" to contrast with their partners:

ta <sup>53</sup> muŋ <sup>31</sup>	beauty	mə <sup>31</sup>	ta <sup>53</sup> muŋ <sup>31</sup>	ugly
look-good		NEG-not	look-good	
$a^{31}$	correct	mə <sup>31</sup>	$\partial^{31}$	error
correct		NEG-not	correct	

	degrees e	r aajeeu (es e	ie aimays i	iiaieatea	
çen <sup>31</sup>	tsəi <sup>55</sup>	very new	pə <sup>31</sup>	tsəi <sup>55</sup>	very shallow
new	very		shallow	very	
ny <sup>55</sup>	tsəi <sup>55</sup>	very short	t¢hə <sup>55</sup>	tsəi <sup>55</sup>	very sour
short	very		sour	very	

Different degrees of adjectives are always indicated by adverb tsəi<sup>55</sup> "very":

Some adjectives with tsəi "very" are reduplicated, which forms a pattern of ABB+ tsəi to describe their nuances and functions:

a <sup>31</sup> pə <sup>31</sup>	pə <sup>31</sup>	tsəi <sup>55</sup>	very shallow
PREF-shallow	REDUP	very	
a <sup>31</sup> khɛŋ <sup>31</sup>	kheŋ <sup>31</sup>	tsəi <sup>55</sup>	very narrow
PREF-narrow	REDUP	very	

Adjective for colors are consisted of prefix, and suffix with 1- plus a reduplicating preceding vowel to functioning adverbs:

$a^{31}pa^{55}la^{55}$	redly	a <sup>31</sup> phju <sup>55</sup> lu <sup>55</sup>	whitely
PREF-red-SUFF		PREF-white-SUFF	
a <sup>31</sup> na <sup>33</sup> la <sup>33</sup>	darkly	tçi <sup>31</sup> ny <sup>55</sup> ly <sup>55</sup>	greenly
PREF-black-SUFF		PREF-green-SUFF	

#### **3.1.6 Verbs**

Mono-syllable verbs are constantly followed by an  $\Im^{33}$ ,  $\varepsilon^{33}$  or a  $^{33}$ to compile a verb phrases:

ku <sup>55</sup>	ə <sup>33</sup>	to call	se <sup>53</sup>	$\mathbf{a}^{33}$	to splash	khe <sup>31</sup>	ε <sup>33</sup>	to bite
call	PRT		splash	PRT		bite	PRT	
the <sup>33</sup>	ε <sup>33</sup>	to pat	tsha <sup>53</sup>	a <sup>33</sup>	to teach	tsha <sup>31</sup>	a <sup>33</sup>	to tell
pat	PRT		teach	PRT		tell	PRT	

Dissyllable verbs:

no <sup>33</sup> ta <sup>53</sup>	listen to	thau <sup>33</sup> tha <sup>53</sup>	hold on
bla <sup>33</sup> khy <sup>33</sup>	cross over	i <sup>31</sup> thi <sup>53</sup>	sleep soundly
xə <sup>33</sup> kja <sup>53</sup>	tear break	le <sup>33</sup> kui <sup>55</sup>	throw off
ka <sup>31</sup> to <sup>33</sup>	extend to	pho <sup>55</sup> tha <sup>53</sup>	hold in

It is common for a verb to reduplicate, or to copy a noun stem:

a <sup>31</sup> po <sup>33</sup>	p3 <sup>33</sup>	A sprout sprouts.	a <sup>31</sup> ze <sup>33</sup>	ze <sup>33</sup>	Flowers
					flower.
PREF-bud	REDUP		PREF-flower	REDUP	
a <sup>31</sup> au <sup>33</sup>	au <sup>33</sup>	Hatch an egg.	a <sup>31</sup> min <sup>55</sup>	min <sup>55</sup>	Name a name.
PREF-egg	REDUP		PREF-name	REDUP	

It is common for a verb to reduplicate a compound constituent to form a clause :

ma <sup>31</sup> min <sup>55</sup>	ma <sup>33</sup>	Dream a dream.	lo <sup>33</sup> phau <sup>33</sup>	phau <sup>33</sup>	Break a stone.
dream	REDUP		stone	REDUP	
mi <sup>31</sup> tho <sup>31</sup>	tho <sup>31</sup>	Light is on.	u <sup>31</sup> pha <sup>31</sup>	pha <sup>31</sup>	Dress headdresses.
light	REDUP		dress	REDUP.	
u <sup>31</sup> tsho <sup>31</sup>	tsho <sup>31</sup>	Wear a hat.	i <sup>31</sup> tche <sup>31</sup>	tche <sup>31</sup>	Pee a pee.
hat	REDUP		pee	REDUP.	

#### 3.1.7 Adverbs

Adverbs might be defined as modifiers of verbs or adjectives for increasing their intensities. They might be categorized into adverbs of degree, time, manner, range, probability, negation, sequence, frequency and interrogation.

Adverbs of degrees always follow a verb or adjective, of them tsəi<sup>5</sup> <sup>5</sup> "very" is a very common one:

i <sup>55</sup>	khə <sup>31</sup>	mə <sup>33</sup> zə <sup>31</sup>	ta <sup>53</sup> n	ta <sup>53</sup> muŋ <sup>3</sup>		lə <sup>33</sup> .			
DEM-this	woma	an	look	-good	very	PRT			
This woman is very beautiful.									
i <sup>55</sup>	va <sup>31</sup>	$/a^{31}$ mə <sup>31</sup>		tsəi <sup>55</sup>	lə <sup>33</sup> .				
DEM-this	DEM-this pig NEG-not fat very PRT								
This pig is 1	This pig is not fat.								

Adverbs of sequence always proceed in a cause. Here are a couple of examples as follows:

$\partial^{31} u^{31}$	a <sup>33</sup> tshai <sup>31</sup>	a <sup>33</sup>		pi <sup>3</sup>	1		tsə <sup>31</sup> ,	a <sup>55</sup> nə <sup>33</sup>	ne <sup>33</sup>	tsə <sup>31</sup> .
first	first elder-sister		RT	CA	CAU.giving		eat	then	2SL-you	eat
First le	First let elder sister eats, then you eat.									
$\partial^{31}u^{31}$		zə <sup>31</sup> ku <sup>33</sup>	tu <sup>53</sup>	6	ə <sup>33</sup> ,	$\partial^{31}z$	zəu <sup>55</sup>	ku <sup>31</sup> nan <sup>33</sup>	¢ie <sup>53</sup>	ə <sup>33</sup> ,
first		field	dig	]	PRT	ther	ı	seeds	sow	PRT
a <sup>31</sup> no <sup>33</sup>	no <sup>33</sup> mo <sup>55</sup>	i <sup>55</sup> t¢hɔ <sup>53</sup>	xy <sup>55</sup>	6	ə <sup>33</sup> .					
finally water wat		wate	r l	PRT						
First di	First dig field up, then sow seeds in, finally water the field.									

#### 3.1.8 Conjunctions

Coordinating conjunctions always connect a series of phrases:

$\mathfrak{y}\mathfrak{d}^{31}$	$a^{31}$ no $\eta^{55}$	khjo <sup>31</sup>	tça <sup>33</sup> kau <sup>33</sup> phu <sup>55</sup>	ə <sup>55</sup>
five	CONJ	six	put-together	PRT
tshə <sup>55</sup> thə <sup>31</sup>	to <sup>33</sup>	lo <sup>55</sup> .		
ten-one	produce	come		
Put five and six	together makes	s eleven.		
khə <sup>31</sup> mə <sup>33</sup> zə <sup>31</sup>	$a^{31}$ no $\eta^{55}$	zə <sup>33</sup> ku <sup>31</sup> zo <sup>33</sup>		
woman	CONJ	children		

to <sup>33</sup> mom <sup>53</sup>	ŋə <sup>31</sup> tə <sup>55</sup>	tshau <sup>33</sup>	ə <sup>33</sup> .						
all	fish	catch	PRT						
Women and children are all fishing.									

#### **3.1.9** Particles

#### **Structure particles**

Structure particles make various structure phrases in Cosao,  $a^{33}$  and  $li^{33}$  are two of them. Structure particle  $a^{33}$  has many functions. One of the most salient uses of  $a^{33}$  is to attach to a verb forming a verb phrase:

nom <sup>31</sup>	ə <sup>33</sup>	stamp	tsə <sup>31</sup>	ə <sup>33</sup>	eat
stamp	STPT		eat	STPT	
tu <sup>53</sup>	$a^{33}$	dig	phje <sup>33</sup>	$a^{33}$	cut
dig	STPT		cut	STPT	

Structure particle li<sup>31</sup> is attached to frequent noun kho<sup>33</sup>mon<sup>33</sup> "often, any time":

time	•									
<b>ງ</b> ອ <sup>33</sup>		khə <sup>33</sup> n	1ə <sup>55</sup>	khə <sup>33</sup>	mon <sup>33</sup>	li <sup>31</sup>	a <sup>55</sup> khu <sup>33</sup>	ku <sup>31</sup>	zi <sup>55</sup>	zə <sup>33</sup> .
1SG.0	GEN-my	wife		ofen		STPT	vegetable	sell	go	PRT
My w	vife ofen se	lls vege	table	s.						
ŋɔ <sup>55</sup>	khə <sup>33</sup> mən <sup>3</sup>	33	i <sup>31</sup>		pi <sup>31</sup> t¢ha	a <sup>31</sup>	lə <sup>33</sup>	$e^{33}$ .		
Ι	often		STPT		Mengb	an	come	PRT		
T C										

I ofen come to Mengban.

#### **Topic particles**

There are a few topic particles. Particle  $a^{33}$  is one of the topic particles, which follows a noun:

i <sup>55</sup>	zə <sup>31</sup> ku <sup>33</sup>	$a^{33}$	ŋə³	1	a <sup>3</sup>	<sup>33</sup> zaw <sup>53</sup>		ə <sup>33</sup> .		
DEM-this	child	TOP GEN-my elder-brother GEN.PRT					PRT			
This child is	s my elder b	rother's.								
i <sup>55</sup>	ku <sup>33</sup> pha <sup>31</sup>	ə <sup>33</sup>		a <sup>55</sup> tça <sup>33</sup>		li <sup>31</sup>	tsə <sup>31</sup>		mə <sup>31</sup>	
DEM-this vegetable TOP cooked yet eat NEG-not										
$\mathfrak{y}\mathfrak{w}^{55}$ $\mathfrak{q}\mathfrak{h}\mathfrak{s}\mathfrak{u}^{33}$ $\mathfrak{a}^{55}\mathfrak{t}\mathfrak{c}\mathfrak{i}\mathfrak{n}^{31}$ $\mathfrak{l}\mathfrak{i}^{31}$ $\mathfrak{t}\mathfrak{s}\mathfrak{h}\mathfrak{d}\mathfrak{s}^{31}$ $\mathfrak{q}\mathfrak{h}\mathfrak{s}\mathfrak{u}^{33}$ .										
be	be AUX-can raw also eat AUX-can									
This kind of	vegetable c	an not onl	y be	eaten cool	ced	l but also	raw.			

Agent and Patient Particles

Agent particle  $a^{33}$  is placed after an agent and patient particle  $a^{33}$  is placed after a patient. However, when agent and patient are confused, the particles might not occur.

a <sup>33</sup> mə <sup>33</sup>	$a^{33}$	ŋa <sup>31</sup>	ŋa <sup>33</sup> sə <sup>31</sup>	pi <sup>31</sup>	tshə <sup>31</sup>	la <sup>33</sup> .
mother	AGT	1SG-me	banana	CAUS-giving	eat	PRT

Mother gave me	banana	as to eat.									
a <sup>33</sup> zau <sup>53</sup>	$a^{33}$	ŋa <sup>31</sup>			tça <sup>3</sup>	<sup>33</sup> kə <sup>31</sup>	pi <sup>31</sup>			tsə <sup>31</sup>	ə <sup>33</sup> .
elder-brother	AGT	1SL.AC	C-n	ne	me	dicine	CA	US-givi	ing	eat	PRT
Elder brother ga	ve me i	nedicine	to ta	ake.							
Locative pa	article a	<sup>33</sup> follows	s afi	ter a le	ocati	on:		,			
໗ə <sup>31</sup>	Z	9 <sup>31</sup> ku <sup>31</sup>	a <sup>33</sup>	non <sup>33</sup>	təu <sup>31</sup>	tso <sup>55</sup>	a <sup>3</sup>	33	tço <sup>5:</sup>	5	ə <sup>33</sup> .
1SG.GEN-r	ny cl	nild	alo	ne		home	L	OC	stay		PRT
My child is	at hom	e alone.									
lo <sup>55</sup> tshi <sup>53</sup>	a <sup>33</sup>	ŋə <sup>31</sup> tə	33	tço <sup>55</sup>	,	pi <sup>31</sup> t¢ha	<sup>31</sup> no	<sup>33</sup> pju <sup>55</sup>	li <sup>31</sup>	l	tço <sup>55</sup> .
river	LOC	fish		exist		Dai-gra	ssho	pper	als	0	exist
There are f	fish and	shrimp in	n th	e rive	r.						
Progressive	e Particl	es y <sup>55</sup> , y <sup>5</sup>	<sup>5</sup> ə <sup>33</sup>	<sup>3</sup> , ə <sup>33</sup> i	ndic	ate an ac	tion	is in pro	ogre	ss:	
<b>ŋ</b> ວ <sup>55</sup>		$\mathfrak{sg}^{31}$		tsə <sup>3</sup>	31	y <sup>55</sup> ə <sup>3</sup>	<sup>3</sup> .				
1SL		dinner		eat		PRT					
I am havi	ing dinr	ner.									
<b>ŋ</b> ə <sup>31</sup> ə <sup>33</sup>		khə <sup>31</sup> mə	33	oŋ³	1	mə <sup>31</sup>		tsə <sup>31</sup>		y <sup>55</sup> .	
1SL.GEN	V-my	wife		mea	al	NEG	-not	eat		PRT	
My wife	is not h	aving me	al.					T			
$a^{31}$ nom <sup>31</sup> z	$a^{31}$	kho <sup>31</sup> pha <sup>3</sup>	1	u <sup>55</sup>		ə <sup>33</sup> .					
3PL-they		vegetable		bu	у	DU.PI	RT				
They are b	ouying v	vegetables	5.								

## **3.2 Cognate Words**

Lexically, Cosao is an isolate language related to the languages of the Yi-Burmese language group<sup>3</sup> of Tibeto-Burman language family, such as Hani, Jinuo, Sadu,<sup>4</sup> Yi, Lisu, Lahu, Naxi, Nu<sup>5</sup>. Many cognate words are found in its vocabulary. Here are some cognate words as follows:

Cosao	Hani	Jinuo	Yi	Lisu	Lahu	Naxi	NU	Sadu	English
tçha <sup>53</sup>	t¢ <u>a</u> <sup>31</sup>	t∫ha <sup>55</sup>	tço <sup>55</sup>	tça <sup>55</sup>	tsa <sup>35</sup>	tço <sup>55</sup>	dza <sup>53</sup>	tsa <sup>42</sup>	cock
pa <sup>55</sup>	bjo <sup>55</sup>	ple <sup>31</sup>	dzi <sup>33</sup>	be <sup>33</sup>	po <sup>31</sup>	mbi <sup>31</sup>	bia <sup>33</sup>	$b\epsilon^{21}$	fly
tshai <sup>53</sup>	tshi <sup>31</sup>	tshj <sup>44</sup>	tshj <sup>33</sup>	tshj <sup>31</sup>	tshj <sup>53</sup>	tşhor <sup>33</sup>	tşhj <sup>55</sup>	tshj <sup>33</sup>	wash
tsa <sup>33</sup> la <sup>33</sup>	dza <sup>33</sup>	tsa <sup>31</sup>	ndzo <sup>33</sup>	dz <u>e</u> <sup>33</sup>	dza <sup>53</sup>	ndə <sup>33</sup>	dza <sup>53</sup>	dza <sup>55</sup>	drop

<sup>&</sup>lt;sup>3</sup> Yi, Hani, Lisu, Lahu, Naxi, Nu, Jinuo data have been cited from. Tibeto-Burman Language Phonology and Word List. Beijing.

China Social Sciences Press. Our sincere thanks to those authors who have contibuted to linguistics society. 4

<sup>&</sup>lt;sup>4</sup> Sadu words are quoted from Studies on the Sadu Language. Beijing. Nationalities Press.

<sup>&</sup>lt;sup>5</sup> Cognate World List has been cited from Sino-Tibetan Language Researches. Beijing. Beijing University Press.

tsə <sup>31</sup>	dza <sup>31</sup>	tso <sup>44</sup>	dzw <sup>33</sup>	dza <sup>31</sup>	tsa <sup>51</sup>	ndz <sub>1</sub> <sup>33</sup>	dza <sup>55</sup>	dzo <sup>33</sup>	eat
i <sup>31</sup> thi <sup>53</sup>	$z\underline{u}^{31}$	ji <sup>44</sup>	i <sup>55</sup>	e <sup>31</sup> ta <sup>55</sup>	ZJ <sup>21</sup>	zi <sup>55</sup>	i2 <sup>53</sup> 3 <sup>31</sup>	zð <sup>,42</sup>	sleep
mom <sup>31</sup>	mo <sup>31</sup>	kha <sup>42</sup>	mo <sup>31</sup>	mo <sup>31</sup>	mɔ <sup>53</sup>	mo <sup>55</sup>	mɯ <sup>55</sup>	mo <sup>313</sup>	old
nā <sup>33</sup>	na <sup>33</sup>	a <sup>33</sup> na <sup>42</sup>	a <sup>44</sup> no <sup>33</sup>	ne <sup>44</sup>	na <sup>54</sup>	na <sup>31</sup>	na <sup>35</sup> na <sup>53</sup>	na <sup>55</sup>	black
t¢ho <sup>31</sup>	ga <sup>33</sup>	t∫ho <sup>55</sup>	ngo <sup>33</sup>	dze <sup>33</sup>	k <u>a</u> <sup>53</sup>	tçhi <sup>55</sup>	gjā <sub>23</sub>	dza <sup>55</sup>	cold
t¢hi <sup>55</sup>	t¢hu <sup>55</sup>	a <sup>33</sup> t∫hi <sup>33</sup>	t¢hJ <sup>33</sup>	tʃhj <sup>33</sup>	tsho <sup>33</sup>	tçhi <sup>55</sup>	gjā <sub>23</sub>	tshy <sup>21</sup>	sweet
t¢hə <sup>55</sup>	t¢he <sup>55</sup>	a <sup>33</sup> tʃhɯ <sup>3</sup> 3	tçi <sup>33</sup>	t¢w <sup>33</sup>	tsi <sup>33</sup>	tçi <sup>31</sup>	tçr <sup>33</sup>	tsi <sup>33</sup>	sour
t¢ha <sup>53</sup>	t¢ <u>a</u> <sup>31</sup>	t∫ha⁵⁵	tço <sup>55</sup>	tça <sup>55</sup>	tsa <sup>35</sup>	tço <sup>55</sup>	dza <sup>53</sup>	tsa <sup>42</sup>	cock
me <sup>53</sup>	me <sup>31</sup>	me <sup>44</sup>	mi <sup>55</sup>	mɯ <sup>41</sup>	mə <sup>11</sup>	zju <sup>31</sup>	muə1 <sup>53</sup>	mi <sup>42</sup>	hung ry
phi <sup>31</sup> thu 55	thu <sup>55</sup>	a <sup>33</sup> thu <sup>55</sup>	a <sup>33</sup> tu <sup>33</sup>	thu <sup>33</sup>	thu <sup>33</sup>	la <sup>55</sup>	thu <sup>33</sup>	thu <sup>21</sup>	thick
pə <sup>31</sup>	ba <sup>31</sup>	a <sup>33</sup> po <sup>33</sup>	i <sup>33</sup> bo <sup>33</sup>	ba <sup>31</sup>	pa <sup>53</sup>	mbe <sup>33</sup>	ba <sup>53</sup>	bo <sup>33</sup>	thin
ŋje <sup>53</sup>	ҧi <sup>31</sup>	ni <sup>55</sup>	ҧi <sup>31</sup>	ņ.i <sup>31</sup>	ni <sup>53</sup>	ņ.i <sup>31</sup>	n.i <sup>31</sup>	ņ.i <sup>21</sup>	two
ŋə <sup>31</sup>	ŋa <sup>31</sup>	ŋɔ <sup>33</sup>	ŋɯ <sup>33</sup>	ŋua <sup>31</sup>	ŋa <sup>53</sup>	ua <sup>33</sup>	ŋa <sup>55</sup>	ŋ0 <sup>33</sup>	five
$\epsilon^{31}$	¢e <sup>31</sup>	$x\epsilon^{44}$	hi <sup>55</sup>	he <sup>41</sup>	xe <sup>35</sup>	x0 <sup>55</sup>	şa1 <sup>53</sup>	xe <sup>42</sup>	eight
ky <sup>31</sup>	γø <sup>31</sup>	t¢y <sup>33</sup>	gu <sup>33</sup>	ku <sup>44</sup>	q0 <sup>53</sup>	ŋgv <sup>33</sup>	gw <sup>35</sup>	guu <sup>33</sup>	nine
khu <sup>31</sup>	khu <sup>31</sup>	khu <sup>44</sup>	khi <sup>55</sup>	kho <sup>31</sup>	ko <sup>33</sup>	khuu <sup>55</sup>	khu <sup>55</sup>	khə <sup>42</sup>	fill
mo <sup>55</sup> kh w <sup>53</sup>	a <sup>31</sup> khɯ <sup>3</sup>	khɯ <sup>33</sup> jo <sup>33</sup>	khuu <sup>33</sup>	khuu <sup>31</sup>	phut <sup>53</sup>	khuu <sup>33</sup>	khui <sup>55</sup>	khui <sup>33</sup>	dog
tse <sup>31</sup>	dzo <sup>55</sup>	tsø <sup>55</sup>	dzi <sup>31</sup>	dze <sup>33</sup>	tse <sup>33</sup>	dz <sub>1</sub> <sup>33</sup>	dza <sup>31</sup>	dzə <sup>21</sup>	pair
tshə <sup>53</sup>	tsj <sup>31</sup>	to <sup>33</sup>	tsy <sup>55</sup>	tho <sup>33</sup>	tsj <sup>53</sup>	tşər <sup>55</sup>	ts <u>i</u> 53	tsj <sup>42</sup>	joint
ŋɔ <sup>55</sup>	ŋa <sup>55</sup>	ŋɔ <sup>31</sup>	ŋa <sup>33</sup>	ŋua <sup>33</sup>	ŋa <sup>31</sup>	<b>ŋ</b> ə <sup>31</sup>	ŋa <sup>33</sup>	ŋo <sup>21</sup>	Ι
ne <sup>55</sup>	no <sup>55</sup>	ne <sup>31</sup>	nw <sup>33</sup>	nu <sup>33</sup>	no <sup>31</sup>	nu <sup>31</sup>	n.u <sup>55</sup>	$n \mathfrak{r}^{21}$	you
mə <sup>31</sup>	ma <sup>31</sup>	mɔ <sup>33</sup>	a <sup>31</sup>	ma <sup>31</sup>	ma <sup>53</sup>	mə <sup>33</sup>	ma <sup>55</sup>	ma <sup>21</sup>	not
thə <sup>31</sup>	tha <sup>31</sup>	the <sup>33</sup>	tha <sup>31</sup>	tha <sup>31</sup>	tA <sup>53</sup>	tha <sup>31</sup>	tha <sup>55</sup>	ta <sup>42</sup>	don't
tu <sup>53</sup>	du <sup>31</sup>	tu <sup>33</sup>	ndu <sup>33</sup>	tçhu <sup>55</sup>	du <sup>53</sup>	ndv <sup>33</sup>	du <sup>55</sup>	kð <sup>42</sup>	dig
xi <sup>55</sup> phju 55	se <sup>55</sup>	şa1 <sub>22</sub>	şш <sup>33</sup>	xш <sup>33</sup>	se <sup>33</sup>	ş0 <sup>33</sup>	şð <sup>,55</sup>	se <sup>21</sup>	louse
pjə <sup>53</sup>	bja <sup>31</sup>	pjo <sup>33</sup>	dzi <sup>33</sup>	bie <sup>31</sup>	pε <sup>53</sup>	mba <sup>33</sup>	bia <sup>55</sup>	bjo <sup>55</sup>	bees
a <sup>33</sup>	a <sup>31</sup> xa <sup>33</sup>	ja <sup>42</sup>	va <sup>33</sup>	a <sup>55</sup> ya <sup>55</sup>	үа <sup>54</sup>	æ <sup>31</sup>	.12 <sup>53</sup>	ya <sup>55</sup>	chicken
ko <sup>31</sup> ke <sup>31</sup>	$a^{31}\gamma o^{31}$	a <sup>33</sup> t¢ø <sup>55</sup>	zi <sup>55</sup>	γo <sup>41</sup>	γo <sup>11</sup>	ko <sup>31</sup>	γa <sup>53</sup>	$\gamma a^{21}$	needle
min <sup>31</sup> tsə <sup>31</sup>	mi <sup>31</sup> kho <sup>31</sup>	mi <sup>33</sup> tso <sup>3</sup>	sJ <sup>33</sup>	s] <sup>35</sup>	s] <sup>53</sup>	sə1 <sub>33</sub>	si <sup>53</sup>	¢i <sup>55</sup>	fire wood
mjəm <sup>53</sup>	mo <sup>31</sup>	mjo <sup>33</sup>	mu <sup>33</sup>	a <sup>55</sup> mo <sup>53</sup>	i <sup>35</sup> mu <sup>53</sup>	zoa <sup>33</sup>	m.1uu <sup>31</sup> la	mu <sup>33</sup>	horse

çi <sup>31</sup>	sj <sup>31</sup>	a <sup>33</sup> ¢i <sup>44</sup>	sj <sup>33</sup>	sj <sup>31</sup>	sj <sup>31</sup>	sæ <sup>33</sup>	sui <sup>55</sup>	sj <sup>33</sup>	blood
a <sup>31</sup> u <sup>55</sup>	u <sup>55</sup>	a <sup>33</sup> vu <sup>33</sup>	vu <sup>33</sup>	vu <sup>33</sup>	3 <sup>1</sup> yu <sup>31</sup>	bv <sup>33</sup>	u <sup>35</sup> a <sup>55</sup>	u <sup>21</sup>	intestine s
zə <sup>31</sup> zo <sup>33</sup>	za <sup>31</sup> zo <sup>33</sup>	zə <sup>33</sup> ku <sup>33</sup>	zɯ <sup>33</sup>	za <sup>31</sup>	o <sup>31</sup> za <sup>53</sup> p a <sup>11</sup>	Z0 <sup>33</sup>	za <sup>55</sup>	zo <sup>33</sup>	son
va <sup>31</sup>	$a^{31}\gamma a^{31}$	va <sup>44</sup> ni <sup>44</sup>	vo <sup>55</sup>	$a^{55}v\epsilon^{41}$	VA <sup>21</sup>	bu <sup>31</sup>	vā <sup>53</sup>	va <sup>42</sup>	pig
phi <sup>31</sup> khi 55	phi <sup>31</sup> kh w <sup>55</sup>	a <sup>33</sup> phe <sup>33</sup>	t¢1 <sup>33</sup>	tf1 <sup>44</sup>	9 <sup>31</sup> kə <sup>55</sup>	kш <sup>33</sup>	kıə <sup>33</sup>	tçi <sup>33</sup>	gallblad der
$tshy^{31}m$ $\epsilon^{33}$	a <sup>31</sup> ts <u>i</u> <sup>31</sup>	t¢hi <sup>44</sup> pε <sup>4</sup> 3	tşhy <sup>55</sup>	a <sup>55</sup> t∫hj <sup>41</sup>	A <sup>35</sup> tshe <sup>2</sup>	tshw <sup>55</sup>	tşhə̃.1 <sup>55</sup>	tshə <sup>42</sup>	goat
khi <sup>55</sup> the 33	la <sup>31</sup> tshø <sup>3</sup> 1	la <sup>33</sup> tsho <sup>3</sup> 3	ła <sup>55</sup>	lw <sup>55</sup> the <sup>3</sup> 3	xA <sup>31</sup> tho <sup>3</sup> 3	le <sup>33</sup>	ła <sup>55</sup>	lo <sup>313</sup>	trousers
ne <sup>31</sup> khu <sup>5</sup> 3	o <sup>31</sup>	tshuu <sup>44</sup> n a <sup>42</sup>	mo <sup>33</sup> m <sup>33</sup>	mo <sup>31</sup> kua 44	mu <sup>53</sup> nɔ <sup>3</sup> <sup>3</sup> mA <sup>33</sup>	mա <sup>33</sup>	mɯ <sup>55</sup>	mw <sup>33</sup>	sky
mi <sup>55</sup> nə m <sup>53</sup>	nu <sup>31</sup> ni <sup>55</sup>	mε <sup>42</sup> no <sup>3</sup> 3	no <sup>33</sup> ni <sup>33</sup>	a <sup>55</sup> n.i <sup>33</sup>	nu <sup>53</sup>	na <sup>31</sup> yw <sup>3</sup> 3	no <sup>55</sup>	n.i <sup>33</sup>	caw
mja <sup>33</sup> su <sup>53</sup>	mjā <sup>33</sup>	mja <sup>42</sup> tsi <sup>4</sup> 4	n.o <sup>33</sup> dz <sub>1</sub> <sup>3</sup>	mie <sup>44</sup> su <sup>31</sup>	me <sup>54</sup> si <sup>11</sup>	miə <sup>31</sup> ly <sup>3</sup> 3	mia <sup>53</sup> dzi 31	mja <sup>55</sup>	eye
həu <sup>31</sup> zu <sup>5</sup> 5	xø <sup>31</sup>	t¢hø <sup>33</sup>	khu <sup>33</sup>	khu <sup>31</sup>	qho <sup>53</sup>	khu <sup>33</sup>	khw <sup>55</sup>	khtu <sup>33</sup>	steal

### **3.3 Sound Correspondences**

From the data, Cosao sound correspondences to the related languages is very obvious which demonstrates that Cosao is in the Yi-Burmese branch. It is likely that Cosao nasal consonants correspond to the other compared languages above, for example the word " $\eta p^{55}$  I" and " $\eta p^{31}$  five", its initial consonant corresponds to the rests :  $\eta \sim \eta$ , no exception. " $na^{33}$  black" and " $n\epsilon^{55}$  you ", its initial consonant corresponds to its counterparts:  $n \sim n$ . " $m\epsilon^{53}$  hungry" and " $mp^{31}$  not", its initial consonant corresponds to the comparisons:  $m \sim m$ . While " $mpm^{31}$  old ", its initial consonant corresponds all but only one exception of Jinuo:  $m \sim kh$ .

Two negative forms, "mə<sup>31</sup>/ma<sup>31</sup> not" and "thə<sup>31</sup>/ tha<sup>31</sup> don't" in Cosao agrees to:  $m \sim m$ , th~th.

Other stop consonants, such as "khu<sup>31</sup> fill " and "-khut<sup>53</sup> dog ", its consonant agrees the counterpart: kh ~ kh. "ky<sup>31</sup> nine " and "ko<sup>31</sup>- needle " corresponds: k ~  $\chi/tc/g/z/k/q/\eta g$ , points and manners of articulation are almost the same.

Affricate consonants show the most consistent evolution rules, such as " $ci^{31}$  blood " corresponds to:  $c \sim c/s$ , " $za^{31}$ - son" consistent to:  $z \sim z$ , "tsa<sup>31</sup> eat"

corresponds to: ts  $\sim$  ts/dz/ndz.

As for these palatalized consonants, they show more complicated patterns of sound changes. For instance, "mja<sup>33</sup>- eyes" : mj $\sim$ mj/n/mi, "pjə<sup>53</sup> bees": pj $\sim$ bj/pj/dz/mb/p/bi. However, they display more closely correpondences to some of the languages discussed in this paper. Here are some more cognate words and their palatalized consonants correspondences in Cosao and Hani.

Cosao	$\sim$	Hani	
pja <sup>33</sup>	$\sim$	bje <sup>33</sup>	to open eyes
open-eye		open-eye	
po <sup>33</sup> pja <sup>55</sup>	$\sim$	bja <sup>33</sup>	break
open-break		break	
pjə <sup>31</sup> t¢hi <sup>55</sup>	$\sim$	bja <sup>31</sup> t¢hu <sup>55</sup>	honey
bee-sweet		bee-sweet	
pjə <sup>31</sup> xəm <sup>31</sup>	$\sim$	bja <sup>31</sup> so <sup>31</sup>	beewax
honey-waste		honey-waste	
ŋa <sup>33</sup> pja <sup>31</sup>	$\sim$	a <sup>55</sup> bja <sup>31</sup>	banana flower petal
banana-petal		banana-petal	
pjə <sup>55</sup> pjə <sup>55</sup>	$\sim$	bjə <sup>55</sup> bjə <sup>55</sup>	To have pus.
pustopus		pustopus	
ə <sup>31</sup> phjə <sup>31</sup>	$\sim$	sa <sup>31</sup> phja <sup>31</sup>	thigh
PREF-thigh		flesh-thigh	
tsha <sup>55</sup> phje <sup>53</sup>	$\sim$	tsho <sup>55</sup> pj2 <sup>53</sup>	braid
hair-braid		hair-braid	
om <sup>31</sup> mje <sup>33</sup>	$\sim$	o <sup>31</sup> mjo <sup>31</sup>	thunder
sky-lighten		sky-lighten	
mja <sup>33</sup> pi <sup>55</sup>	$\sim$	mja <sup>33</sup> bi <sup>55</sup>	tears
eye-tear		eye-tear	
və <sup>31</sup> mja <sup>33</sup>	$\sim$	xa <sup>31</sup> mja <sup>33</sup>	bamboo joint
bamboo-eye		bamboo-eye	
sut <sup>31</sup> mja <sup>33</sup>	$\sim$	so <sup>31</sup> mja <sup>33</sup>	tree-wart
tree-eye		tree-eye	
mje <sup>31</sup> tshy <sup>33</sup>	$\sim$	ka <sup>33</sup> mja <sup>31</sup>	arrow
arrow-point		bow-arrow	
khə <sup>55</sup> mjə <sup>53</sup>	$\sim$	xa <sup>55</sup> mja <sup>31</sup>	many
how-many		how-many	
mjo <sup>53</sup>	$\sim$	mjə <sup>31</sup>	lick
lick		lick	

mjom <sup>53</sup>	$\sim$	mja <sup>31</sup> tho <sup>33</sup>	swallow down
swallow		swallow into	
a <sup>31</sup> mjə <sup>33</sup> mə <sup>31</sup> mjə <sup>33</sup>	2	o <sup>31</sup> mja <sup>33</sup> ma <sup>31</sup> mja <sup>33</sup>	not to be late
PREF-late not late		sky-late not lat	

## **IV.Syntax**

Syntactically Cosao is an SOV language. However in some cases, a verb is not present in a sentence, which might be an SN sentence, OV or an SV sentence. Syntax examples<sup>6</sup> are given in the following:

## **4.1 SN Sentences**

i <sup>31</sup>	khi <sup>31</sup> thuu <sup>33</sup> .	]						
DEM.SG-this	PRED-stool							
This is a stool.				_				
<b>ŋວ</b> <sup>55</sup>	tsho <sup>55</sup> so <sup>55</sup> tsho <sup>5</sup>	$^{55}$ zə <sup>31</sup> .						
1SG.NOM-I	Cosao~people-	-offspri	ng.					
I am a Cosao person.								
ŋə <sup>33</sup> γu <sup>53</sup>	phə <sup>31</sup> zə <sup>31</sup>		ŋje <sup>53</sup>					
1PL-we	M-father.M-s	on	DU-t	two				
We two are fathe	er and son relation	on.						

## 4.2 SV Sentences

ne <sup>55</sup>		tui <sup>31</sup> ,		ŋɔ <sup>55</sup>	mə <sup>31</sup>	tw <sup>31</sup> .
2SG.NOM	.AG	beat		1SG.NOM	NEG-not	beat
You beat, I	don't	t beat.				
a <sup>31</sup> n.5m <sup>31</sup>	kho <sup>2</sup>	31	ə <sup>33</sup>	$10^{31}$ .		
3SG	spea	k	PRT	PRT		
He has spo	ken a	lready.				

## 4.3 OV Sentences

a u a pi to c.	$a^{31}w^{53}$	a <sup>31</sup>	pi <sup>33</sup>	to <sup>53</sup>	ε <sup>33</sup> .
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Annotation of the syntax examples are referred to The Leipzig Glossing Rules formatted May 31, 2015.

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uncle	OBJ.PI	RT	ACC.AUX-gi				wait		ACC.PR	Т		]
Let uncle w	Let uncle wait.											
ə <sup>31</sup> phy <sup>53</sup>		a <sup>31</sup>		phe <sup>55</sup> khau <sup>53</sup>		pi <sup>33</sup>		tsə <sup>31</sup>	ta <sup>31</sup>	ε <sup>33</sup> .	_	
OBJ.AG-g	randpa	OBJ.PRT		OBJ-olive		ACC.AUX-		eat	try	ACC.P	RT	
giving   Let grandpa taste /eat olive.												
a <sup>31</sup> n.5m <sup>31</sup>	$a^{31}n^{31}$ $a^{31}$		i <sup>55</sup>				a <sup>31</sup> 2	ze <sup>33</sup>				
OBJ.AG-him OBJ			OBJ.PI	J.PRT D		DEM-this		OBJ-flower				
pi <sup>33</sup> ta <sup>53</sup>		ta <sup>31</sup>		1 8		ε <sup>33</sup> .						
ACC.AUX-giving look			ook	ok tr <u>:</u>		ry A		AC	C. PRT			
Let him look at this kind of flowers.												

# 4.4 VV/SVV Sentences

ko <sup>33</sup>		phje <sup>33</sup>		mə <sup>31</sup>	pl	nje <sup>33</sup> ?	
OBJ-rice		cut		NEG-not	сι	ıt	
Do you cut	rice	or not (cut)	?				
zu <sup>55</sup>	mə	31	zu <sup>55</sup>	?			
want	NE	G-not	wan	t			
Do you want	to	take it or not	?				
zu <sup>55</sup>	əŋ³	<sup>1</sup> .					
want	DE	Т					
Yes, I do.							
mə <sup>31</sup>	zι	1 <sup>55</sup> .					
NEG-not							
No, I don't.							

va <sup>31</sup>	po <sup>31</sup>	mə <sup>31</sup>	po <sup>31</sup> ?			
SUJ.TOP-pig	fat	NEG-not	fat			
Is the pig fat or r	Is the pig fat or not fat?					
po <sup>31</sup>	ŋ <sup>31</sup> .					
TOP-pig F						
Yes, it is fat.						

## **4.5 SOV Sentences**

a <sup>33</sup> tshai <sup>33</sup> i <sup>55</sup> t¢h	o <sup>53</sup> pa <sup>53</sup>	<b>z</b> i <sup>55</sup>	lə <sup>31</sup> .
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elder-sister	wa	ater		carı	ry	go		PR	Т						
The elder sister went to carry water.															
ŋə <sup>55</sup> γu <sup>33</sup>	a <sup>31</sup> kja	a <sup>31</sup>	zu <sup>55</sup>		ky <sup>31</sup>		lə <sup>33</sup> ,		tso <sup>55</sup>		a <sup>31</sup>	ko <sup>31</sup>		li <sup>33</sup>	ə <sup>33</sup> .
1PL-we	stuff		colle	ect	PRT	I	PRT		home	;	LOC	bacl	ζ	go	PRT
We collec	We collected the stuff and went back home.														
ti <sup>33</sup> ko <sup>53</sup>	<sup>3</sup> kɔ <sup>53</sup> a <sup>33</sup>			<b>ŋ</b> ə <sup>31</sup> tə <sup>55</sup>				tçu <sup>55</sup>				ə <sup>33</sup> .			
field	field LOC			fish				exist				DU.PRT			
In the fiel	ds, the	ere a	re fisl	h.					-						
ŋə <sup>55</sup> γu <sup>33</sup>	${}^{5}yu^{33}$ tsho ${}^{55}so^{55}ma^{53}$ m ${}^{31}$ n ${}^{31}$														
1PL-we	L-we Cosao-ethnic NEG-not be														
We are not	We are not Cosao ethnic people.														

## 4.6 SOOV Sentences

ə <sup>31</sup> mə <sup>33</sup>	i <sup>33</sup>		za <sup>3</sup>	<sup>31</sup> ku <sup>31</sup>		a <sup>31</sup>			
SUBJ.AG-mom	AGT			OBJ.NOM-baby			PTPT		
nom <sup>33</sup>	pi <sup>31</sup>			nəı	m <sup>33</sup>		ə <sup>33</sup> .		
OBJ-milk	ACC.AUX	-givi	ng	V-1	milk		DU.PR	Т	
Mom milks baby mill	к.								
a <sup>33</sup> pa <sup>53</sup>	i <sup>33</sup>	sw <sup>31</sup> la <sup>31</sup>							
SUBJ.AG-brother	AGT	tree-branch			ACC.AUX-making				
əŋ <sup>55</sup>	khy <sup>33</sup>		zi <sup>55</sup>			$10^{31}$ .			
break	go-down	go-down PR				PRT			
It is my brother who	made the tree	e-bra	nch b	orea	k.				
pu <sup>31</sup> na <sup>33</sup>	e <sup>33</sup>	31		a <sup>33</sup>	thu <sup>33</sup>	¢i <sup>53</sup>	lə <sup>33</sup> .		
SUBJ.AG-buffalo	AGT	OB	3J-tiger		PRT	butt	die	PRF	
It is buffalo who butted the tiger to death.									

## **V. Tentative Conclusion**

In conclusion, the Cosao language is previously not well described. The above reported phonology, lexicon and syntax characteristics of Cosao demonstrates that it shares many common aspects with related languages such as Hani, Akha, Jinou, Yi, Lisu, Lahu, Naxi, Nu and Sadu of the Yi branch languages. But it has more features, such as more diphthongs, nasal final endings, and palatalized features which are far different from Yi branch languages. In addition it has also taken in more morphology constituents from Dai language therefore it might be considered as a language of the Yi-Burmese branch languages, but not any lect of these mentioned languages even though they are affiliated with the Hani minority nationality identity.

An interesting linguistic phenomenon is found in Cosao where voiced consonant clusters bl-, pl-, phl-, ml- in the elders' speech developed into pj-, pj-, phj-, mj-. We wonder if it is a coincidence or due to similar processes that in the peripheral languages, like Hani, Yani, Jinuo and Sadu, there might have taken place such an evolution of their palatalized consonants. It surprises us that a phonological shift occurred so fast, in a few decades, if it is a definite rule. It remains to be verified.

It is of note that the Cosao language is facing serious endangerment for a couple of salient causes: very small population mixed with dominant language speaking people in the village and surrounded by dominant languages such as Chinese, Dai, and Hani. There is need of various efforts to help protect this venerable, but vulnerable language.

### Appendixes

### 1. Abbreviation

A 1 1 · ··	English	LNIZ	clause linker
Abbreviation	English	LNK	
1sg	1st person singular	LOC	location particle
2sg	2nd person singular	NMLZ	nominalizer
3sg	3rd person singular	OBJ	object
1dl	1st person dual	PRED	predicative
2dl	2nd person dual	PREF	prefix
3dl	3rd person dual	PRT	clause/sentence final particle
1pl	1st person plural	PTPT	patient Particle
2pl	2nd person plural	PRT	particle
3pl	3rd person plural	PT	Patient
ACCPT	accusative Particle	QUES	question marker
AG	agent	STPT	Structural Particle
AGT	agentive marker	SUF	suffix
ASP	aspect marker	SUJ	subject
BEN	benefactive marker	TEPT	Temporal Particle
CAUS	causative marker	TOP	topic marker
DEM	demonstrative	TTA	tentative Aspect
DET	determiner	TTV	tentative Verb
GEN	genentive	VEPT	verb Ending Particle
IMP	imperative marker	VPT	verb Particle
INST	instrumental marker		1

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