

Appendix 2
Phoneme, onset, cluster, nucleus and diphthong type frequencies;
and source word list

Below is a list of 335 lexical items. As a representative sample of words this list forms the basis of a calculation of phoneme and syllable type frequencies.

Appendix 2 Table 1: Phoneme frequencies found in list.

Obstruents		Sonorants		Vowels	
/p/	28	/m̥/	12	/a/	282
/b/	30	/m/	33	/e/	106
/t/	74	/n̥/	5	/i/	122
/d/	21	/n/	68	/o/	148
/k/	92	/ŋ/	4	/u/	139
/g/	37	/ŋ/	7		
/f/	44	/l̥/	1		
/v/	14	/l/	60		
/s/	44	/ɹ̥/	7		
/z/	14	/r/	65		
/h/	50				
/ʏ/	38				

Appendix 2 Table 2: Onset types.

No onset	C	CC	total
45 (6.0%)	657 (88.1%)	44 (5.9%)	746 (100%)

Appendix 2 Table 3: Distribution of onset types across syllables.

	syllable 1	syllable 2	syllable 3	syllable 4	syllable 5
no onset	23 (6.9%)	16 (5.1%)	6 (7.2%)	0	0
C	294 (87.8%)	274 (87.6%)	74 (89.2%)	14 (100%)	1 (100%)
CC	18 (5.4%)	23 (7.3%)	3 (3.6%)	0	0
total	335 ¹	313	83	14	1

¹ The discrepancy in the totals for this column is the result of rounding.

Appendix 2 Table 4: Breakdown of possible underlying onset clusters present in list.

	Word initial	Word medial	Total
/pr/	0	3	3
/pl/	2	0	2
/br/	0	2	2
/bl/	0	2	2
/bn/	1	0	1
/kr/	1	1	2
/kl/	1	2	3
/kn/	2	0	2
/gr/	3	5	8
/gl/	2	3	5
/fr/	2	7	9
/fl/	1	1	2
/fn/	2	0	2
/vr/	1	0	1
/sn/	0	0	0
/zr/	0	0	0
/zn/	0	0	0

Appendix 2 Table 5: Nucleus types:

Monophthong	Diphthong	total
697 (93.4%)	49 (6.6%)	746 (100%)

Appendix 2 Table 6: Breakdown of possible diphthongs found in the list:

ae	9
ai	16
ao	6
au	14
ei	3
ou	1
Total	49

The word list

<i>ade</i>	here	<i>foforu</i>	be new
<i>ago</i>	you (singular)	<i>foḡra</i>	be sick
<i>aḡe</i>	proceed	<i>frin̄he</i>	work
<i>alha</i>	split	<i>fro</i>	squeeze
<i>ana</i>	that (nearby)	<i>fufugo</i>	tomorrow
<i>ao</i>	this (holding)	<i>fufugonare</i>	morning
<i>ara</i>	I/me	<i>fufunu</i>	start
<i>are</i>	those (nearby)	<i>gai</i>	we (plural exclusive)
<i>aro</i>	these (holding)	<i>gaili</i>	fishhook
<i>au</i>	exist, be, reside	<i>garho</i>	scratch
<i>babao</i>	be tired	<i>gase</i>	woman
<i>baesu</i>	shark	<i>gato</i>	think
<i>bagi</i>	wing, fin of fish	<i>gau</i>	you (plural)
<i>bahai</i>	<i>alstonia scholaris</i>	<i>ge</i>	and then
<i>banhi</i>	cave	<i>gita</i>	we (plural inclusive)
<i>belelu</i>	be smooth	<i>gizuna</i>	island
<i>bigo</i>	sore	<i>gogosulu</i>	dolphin
<i>birho</i>	lie down, sleep	<i>goinode</i>	today
<i>bnakua</i>	be slow	<i>gorha</i>	paddle
<i>boboṅa</i>	bow	<i>gu-</i>	because
<i>boe</i>	be rotten	<i>gura</i>	boil
<i>bokla</i>	be fat (of person)	<i>ḡafu</i>	dust
<i>buklo</i>	navel	<i>ḡaha</i>	five
<i>burusu</i>	flame	<i>ḡahipa</i>	stone
<i>busa</i>	beard, moustache	<i>ḡahu</i>	bake
<i>dadara</i>	blood	<i>ḡauai</i>	be far
<i>datau</i>	chief	<i>ḡausa</i>	betel nut
<i>dia</i>	be bad	<i>ḡazu</i>	tree, wood, stick
<i>do</i>	mosquito	<i>ḡefu</i>	wind
<i>dodoli</i>	blue/green	<i>ḡilu</i>	inside
<i>dogoho</i>	be lazy	<i>ḡlaba</i>	moon
<i>doli</i>	be alive/life	<i>ḡloḡu</i>	bay
<i>dou</i>	be big	<i>ḡobi</i>	hundred
<i>dupa</i>	hit (punch)	<i>ḡoḡorofu</i>	mist
<i>ehe</i>	yes	<i>ḡonu</i>	make a mistake
<i>elo</i>	drift	<i>ḡromo</i>	cloud
<i>fafra</i>	be fast, hurry	<i>ḡrugu</i>	night
<i>fagalo</i>	<i>hibiscus tiliaceus</i>	<i>ḡrui</i>	garden
<i>fakae</i>	look, see	<i>ḡufu</i>	smoke
<i>fala</i>	cutnut	<i>ḡuku</i>	road
<i>falehe</i>	kill	<i>ḡuli</i>	skin, bark
<i>fate</i>	above	<i>ḡutu</i>	louse, flea
<i>fika</i>	turn	<i>hae</i>	where?
<i>fila</i>	thunderbolt	<i>hage</i>	go up
<i>fitu</i>	seven	<i>hana</i>	eight
<i>flalo</i>	fly	<i>hei</i>	who?
<i>fnahi</i>	meat/flesh	<i>heta</i>	be strong/powerful
<i>fnoto</i>	four	<i>heve</i>	what
<i>fodu</i>	be full	<i>hiba</i>	eye

<i>hinage</i>	boat	<i>kukuti</i>	eel
<i>hobo</i>	branch	<i>kumai</i>	drink
<i>hotai</i>	between	<i>kumai</i>	river, fresh water
<i>huḡru</i>	every	<i>kunu</i>	knee
<i>huzu</i>	push	<i>kuo</i>	break (as stick)
<i>ide</i>	these (nearby)	<i>laga</i>	be thin (of object)
<i>ido</i>	mother	<i>lao</i>	go to
<i>ifra</i>	pandanus sp.	<i>lapi</i>	tongue
<i>ika</i>	bathe	<i>lase</i>	know
<i>ikoa</i>	be small	<i>legu</i>	behind, after
<i>ine</i>	this (nearby)	<i>legohai</i>	be thin (of person)
<i>ka</i>	at, to, from, with	<i>lehe</i>	die, be dead
<i>kafli</i>	lightning	<i>lehenhau</i>	be hungry
<i>kaike</i>	one	<i>liha</i>	louse egg
<i>kaka</i>	grandmother, elder sibling	<i>loḡe</i>	vagina
<i>kakade</i>	eagle	<i>lulua</i>	vomit
<i>kakafre</i>	spider	<i>madara</i>	red
<i>kakau</i>	crab	<i>maḡra</i>	fight
<i>kaku</i>	banana	<i>mai</i>	come
<i>kala</i>	hair, feather, leaf	<i>mairi</i>	left
<i>kalae</i>	reef	<i>maku</i>	be strong/firm
<i>kame</i>	arm	<i>maliri</i>	fat, grease
<i>karatahi</i>	sandfly	<i>mama</i>	father
<i>kati-</i>	bite	<i>manahagi</i>	want
<i>kava</i>	ground	<i>mane</i>	man
<i>kave</i>	go down	<i>manei</i>	he, him, she, her, it
<i>keha</i>	some	<i>maneko</i>	pawpaw
<i>kei</i>	tooth	<i>maneri</i>	they, them
<i>kekredi</i>	egg	<i>maña</i>	mouth, beak
<i>keli</i>	be good	<i>mañava</i>	be hot
<i>kenu</i>	in front	<i>matirihi</i>	spirit
<i>kini</i>	hold	<i>mau</i>	taro
<i>klahe</i>	be bald	<i>mautu</i>	right
<i>knaso</i>	be empty	<i>memeha</i>	bird
<i>knisu</i>	spit	<i>meruku</i>	flying fox
<i>koblo</i>	laugh	<i>mhagu</i>	be afraid/fear
<i>kofe</i>	be light (in weight)	<i>mhata</i>	bush
<i>kofru</i>	ash	<i>mheke</i>	dog
<i>koilo</i>	coconut	<i>mhoko</i>	sit
<i>kokolo</i>	type, clan	<i>mhoto</i>	sweat (v)
<i>kokorako</i>	chicken	<i>mhumhui</i>	be wet
<i>kolae</i>	spear	<i>mimido</i>	penis
<i>kolaña</i>	sky	<i>mitu</i>	seed
<i>kolu</i>	snake	<i>nablo</i>	six
<i>komhu</i>	fruit, season, year	<i>naboto</i>	ten
<i>korho</i>	pull	<i>naesa</i>	bamboo sp.
<i>korosa</i>	hole	<i>nafu-</i>	base
<i>kota</i>	outside	<i>nahani</i>	rain
<i>koze</i>	sing	<i>nai</i>	put
<i>kraño</i>	be dry	<i>naitu</i>	devil
<i>kubiliki</i>	rat	<i>nakoni</i>	person
<i>kue</i>	grandfather	<i>nakoño</i>	hornbill
<i>kuhu</i>	rub	<i>namha</i>	love
<i>kuku</i>	defecate, faeces	<i>namhari</i>	fish

<i>namo</i>	be near	<i>sane</i>	breadfruit
<i>nanafa</i>	heart	<i>sara</i>	there (distant)
<i>nan̄ha</i>	name	<i>sare</i>	there (nearby)
<i>naprai</i>	sun	<i>sasaeko</i>	liver
<i>nare</i>	day	<i>seku</i>	tail
<i>narho</i>	rope	<i>seserhu</i>	grass
<i>nasona</i>	headland	<i>siakale</i>	rainbow
<i>nasuga</i>	lobster	<i>siko</i>	steal
<i>nau</i>	village	<i>siri</i>	smell (active verb)
<i>navula</i>	whale	<i>sisi</i>	flower
<i>nehu</i>	nose	<i>sisito</i>	be hot to the touch
<i>nene</i>	leg	<i>sodu</i>	be long
<i>neu</i>	and	<i>soso</i>	urinate, urine
<i>nhae</i>	be clean	<i>su</i>	breast
<i>nheva</i>	nine	<i>subro</i>	suck
<i>nhorao</i>	yesterday	<i>suḡa</i>	house
<i>niba</i>	possum	<i>suli</i>	child
<i>nihao</i>	when?	<i>susuki</i>	sew
<i>nihau</i>	how many?	<i>taba</i>	board, timber
<i>nomhi</i>	hear	<i>tabo</i>	creep
<i>nonolo</i>	be straight	<i>taḡla</i>	ear
<i>nubra</i>	burn	<i>taḡra</i>	back
<i>nufi</i>	yam	<i>tahe</i>	tell
<i>numha</i>	bone	<i>tahi</i>	sea
<i>nunuge</i>	earthquake	<i>taho</i>	count
<i>n̄hau</i>	eat	<i>tamo</i>	grandchild, younger sibling
<i>ohai</i>	be tame	<i>tana</i>	neck
<i>ome</i>	copulate	<i>tanhi</i>	time
<i>ooe</i>	say	<i>tao</i>	swim
<i>palu</i>	two	<i>tarame-</i>	with
<i>papañā</i>	breathe	<i>tarihi</i>	be heavy
<i>papase</i>	turmeric/ginger	<i>tatala</i>	butterfly, moth
<i>parakatu</i>	be rough	<i>tavihi</i>	hunt
<i>pari</i>	below	<i>teḡe</i>	turtle
<i>pau</i>	head	<i>tehi</i>	many
<i>pepreku</i>	lip	<i>teo</i>	no, be not
<i>pihu</i>	sugar cane	<i>tere</i>	be sharp
<i>piri-</i>	tie	<i>tetena</i>	sago palm
<i>plasu</i>	be soft	<i>tetu</i>	stand
<i>pleku</i>	be bent	<i>tia</i>	belly
<i>poḡla</i>	float	<i>tihi</i>	wash
<i>pohe</i>	clothes	<i>tilo</i>	three
<i>poporopau</i>	brain	<i>tini</i>	body
<i>puka</i>	fly	<i>toga</i>	thousand
<i>puka</i>	be blunt (of edge)	<i>togu</i>	stab
<i>puku</i>	be short	<i>toikame</i>	centipede
<i>raḡi</i>	dance	<i>toka</i>	chop
<i>rarata</i>	sand/beach	<i>tolipogo</i>	roof
<i>ravata</i>	afternoon	<i>tona</i>	be dirty
<i>rhue</i>	cry	<i>tore</i>	ask
<i>rifu</i>	be cold	<i>totofra</i>	star
<i>saeko</i>	mango	<i>totoi</i>	fire
<i>safra</i>	do something wrong	<i>totoli</i>	lizard
<i>saga</i>	yellow	<i>tove</i>	be old
<i>saigona</i>	evening	<i>tue</i>	cut

<i>tufa</i>	affect (also give)	<i>vuhuku</i>	hill
<i>tug̃le</i>	mountain	<i>zag̃ra</i>	root
<i>tupri</i>	be blunt (of point)	<i>zaho</i>	go away
<i>tuta</i>	be thick	<i>zazaho</i>	walk
<i>ufu</i>	blow	<i>zogu</i>	drop (itr)
<i>uka</i>	fall	<i>zoho</i>	dig
<i>vega</i>	white	<i>zora</i>	pig
<i>virī</i>	tobacco	<i>zote</i>	crocodile
<i>visi</i>	play, game	<i>zuzufra</i>	black
<i>vraha</i>	<i>vitex cofassus</i>		