

	Hausa	Gwandara	Angas	Sura	Cip	Goemai	Fyer	Bokos	Daffo	Sha	Kulere	Karekare	Gera	Bole	Ngamo	Pero	Tangale	Dera	Miya	Wangday	Kir	Geji	Buli	Zul	Guruntum	Jimi	Tala	Boghum	Mangas	Sayanci	Zaar	Dwot	Palci	Ngizim	Bade		
<b>FISH</b>	EE	FF	GG	GG	EE	EE	GG	HH	HH	HH	EE	EE	EE	EE	EE	EE	II	EE	JJ	HH	EE	HH	HH	HH	KK	LL	HH	MM	NN	HH	HH	HH	HH	OO	OO		
<b>FOOT/LEG</b>	HH <sub>1</sub>	HH <sub>1</sub>	II	II	JJ	II	KK	II	II	II	II	II	II	II	II	II	II	II	LL	LL	LL	LL	LL	LL	LL	LL	LL	MM	LL	LL	LL	LL	LL	NN	NN		
<b>GIVE</b>	AA	AA	BB	CC	CC	BB	AA	AA	AA	DD	EE	AA	AA	EE	EE	FF	EE	GG	HH	AA	AA	AA	AA	AA	II	AA	JJ	KK	AA	AA	LL	AA	AA	AA	AA		
<b>GO</b>	ZZ	LL <sub>2</sub>	AB	W	AD	AE	U <sub>3</sub>	U <sub>3</sub>	AG	AF/ U <sub>3</sub>	U <sub>3</sub>	AG	AE	AF	AE	AH	AG	LL <sub>2</sub>	AI	AE	AJ	AF	AL	AM	AN	AM	AJ	AO	AJ	AL	AL	AM	AP	AF	AF		
<b>GOOD</b>	AL	AL	AM	AM	AM	AN	AO		AP			AQ	AR	AS	AT	AU	AV	AV	AS	AS	AW	AS	AS	AS	AX	AW	AS	AS	AY	AZ	AZ	BA	BC	AQ	AQ		
<b>HAIR (head)</b>	ZZ	ZZ	AB	AC	AC	AD	AE	AE	AE	AF	AD	AE	AG	AC	FF <sub>2</sub>	AE	AG	AG	AH	AI	AJ	AK	AI	AI	AL	AM	AI	AJ		AN	AN	AO	AP	AQ	AR		
<b>HAND/ARM</b>	F	F	X	X	X	X	Y	Y	Y	Z	Y	X	X	X	AA		Y	Y	BB	CC	BB	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	Y	
<b>HEAD</b>	GG	GG	GG	GG	GG	GG	GG	GG	GG	GG	GG	GG	GG	GG	GG	GG	GG	GG	GG	HH	HH	HH	GG	GG	HH	GG	GG	GG	HH		HH	HH	HH	II	JJ	JJ	
<b>HEAR</b>	AA	AA	BB	CC	CC	CC	CC	CC		W	W	CC	CC	DD	CC	EE	EE	EE	AA	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	AA	
<b>HEART</b>	Z	Z	AA	BB	CC	DD	EE	FF	GG	EE	EE	HH	II	DD	DD	JJ	LL	KK	MM	HH	NN	OO	PP	HH	QQ	QQ	QQ	PP	RR	SS	PP	NN	NN	TT	YY		
<b>HORN</b>	QQ	QQ	P	P	P	Q	R	P	P	S	S	T	U	V	V	W	V	U	X	Y	Y	Y	Y	Y	Y	R	Z	Y	Y	Y		AA	AA	BB	CC		
<b>HOT</b>	UU	VV	WW	XX	YY	YY						ZZ	U <sub>1</sub>	AB	UU	AC	AC	AD		AE	AF	AG	AH	AI	AJ	AK	AL	AM	UU	AN	AN	YY	AF	ZZ	AG		
<b>I</b>	A	A	A	A	A	B <sub>2</sub>	B <sub>2</sub>	B <sub>2</sub>	B <sub>2</sub>	B <sub>2</sub>	B <sub>2</sub>	B <sub>2</sub>	B <sub>2</sub>	A	A	A	A	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	B <sub>3</sub>	B <sub>3</sub>	
<b>KILL</b>	Z	Z	AA	AA	AA	BB	CC	DD	CC	EE	FF	EE	GG	EE	EE	EE	HH	EE	II	Z	EE	JJ	M <sub>2</sub>	JJ	KK	EE	LL	EE	EE	EE	EE	EE	MM	MM	EE	EE	
<b>KNEE</b>	J <sub>4</sub>	J <sub>4</sub>	N	O	N	N	N	N		P	Q	J <sub>4</sub>	N	N	N	N	N	N	N	N	N	N	N	R	N	N	N	S	N	N	N	N	N	N	T	U	V
<b>KNOW</b>	HH	HH	LL	LL	LL	LL	HH	HH	HH	HH	HH	LL	MM	LL	MM	MM	MM	MM	NN	LL	LL	OO	LL	LL	MM	MM	LL	LL	LL	HH	OO	MM	LL	PP	PP		
<b>LEAF</b>	UU	UU	VV WW	WW	WW	VV					XX	WW	YY	ZZ	AB	AC	AD	WW	AE	AF	AG	AH	AF	AF	AI	AJ	AK	AG	AG	AL	AM	AN	AF	AB	AO		
<b>LIVER</b>	X	X	Y	Z	AA	AA		BB				CC	DD	CC	EE	CC	CC	CC	FF	GG	HH	GG	GG	GG				HH	HH	GG	II	JJ	GG	KK	LL		
<b>LONG (adj.)</b>	MM	NN	OO	PP	QQ	RR	SS		TT			UU	VV	L	L	WW	XX	YY	L	O	ZZ	O	O	O	YY	YY	AB	ZZ	AC	AD	AD	AE	AF	AG	AG		
<b>LOUSE</b>	X	X	Y	Z	AA	Z						BB	CC	BB	BB	DD	BB	BB				X	X	X	EE	CC	FF	X	X	GG	GG		X	BB	BB		
<b>MAN</b>	JJ	JJ	JJ	JJ	JJ	JJ	KK	KK	KK	LL		JJ	JJ	MM	JJ	MM	OO	OO	PP	O	NN	QQ	O	O	O	RR	O	NN	SS	O	TT	O	O	MM	MM		
<b>MANY</b>	AP	AP	AQ	AQ	AQ	AR		AS				KK <sub>2</sub>	AT	N <sub>1</sub>	AU	AQ	AS	AQ	AV	KK <sub>2</sub>	O <sub>2</sub>	AW	AX	AY	AZ		BA	BC	O <sub>2</sub>	BD	BD	N <sub>s</sub>	BE	BF	BF		

	Tera-Pidh.	Hwona	Ga'anda	Boka	Bura	Cibak	Kilba	Margi	Higi Nkafa	Higi Baza	Kapsiki	Fali Kiria	Fali Gili	Fali Jilbu	Fali Muc.	Fali Bwag.	Gude	Njanye	B-Mwul.	Bacama	Gudu	Lamang	Wandala	Glavda	Dghwede	Guduf 2	Sukur	Mafa	Gisiga	Daba	Gidar	Kotoko	Musgum		
FISH	EE	PP	EE	PP	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	OO	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	
FOOT/LEG	OO	OO	OO	OO	OO	OO	OO	OO	OO	OO	OO	OO	OO	OO	OO	OO	OO	OO	OO	PP	OO	OO	OO	II	II	II	QQ	II	OO	RR	SS	TT	II		
GIVE	MM	AA	AA	AA	NN	OO	JJ	JJ	QQ	QQ	RR	AA	TT	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	UU	AA	AA	AA	VV	WW	XX		
GO	AR	AS	AR	AT	AU	LL <sub>2</sub>	LL <sub>2</sub>	AU	AF/AV	AV	AF/AV	AX	AF	AF	AF/AY	AW	AY	AO	AO	AZ	AZ	AV/AF	BA	BA	BA	BA	AF	BC	U <sub>3</sub>	U <sub>3</sub>	U <sub>3</sub>	AV	U <sub>3</sub>		
GOOD	BD	AT	BD	BD	BE	BE	BF	BF	BG	BH	BH	BH	BI	BJ	BI	BK	BK	BK	BL	BM	BN	AX	BM	BM	BD	BM		BO	BP	BQ	BR	BS	BT		
HAIR (head)	AS	AS	AS	AS	LL <sub>2</sub>	LL <sub>2</sub>	LL <sub>2</sub>	LL <sub>2</sub>	EE <sub>2</sub>	EE <sub>2</sub>	EE <sub>2</sub>	EE <sub>2</sub>	EE <sub>2</sub>	EE <sub>2</sub>	EE <sub>2</sub>	EE <sub>2</sub>	EE <sub>2</sub>	AG	AT	AT	AT	AU	AV	AV	AV	AV	EE <sub>2</sub>	AV	AV	AW	AX	AY	AZ		
HAND/ARM	Y	Y	Y	Y	EE	EE	EE	GG	FF	FF	HH	FF	HH	HH	FF	FF	FF	HH	II	FF	GG	HH	HH	HH	HH	HH	Y	Y	KK	W	GG	X	—		
HEAD	KK	LL	MM	MM	NN	NN	NN	NN	GG	GG	GG	II	II	II	II	II	II	NN	II	II	II	II	NN	II	II	II	HH	OO	NN	PP	GG	GG	GG		
HEAR	GG	GG	GG	A	HH	HH	HH	HH	II	II	II	II	II	II	II	—	II	II	II	CC	KK	W	W	W	W	W	A	W	W	A	LL	W	W		
HEART	M	VV	WW	YY	ZZ	ZZ	ZZ	ZZ	M	M	M	ZZ	ZZ	M	ZZ	ZZ	ZZ	ZZ	ZZ	ZZ	AB	ZZ	AC	AD	AD	AD	ZZ	AE	XX	XX	DD	XX	AF		
HORN	CC	DD	DD	DD	EE	EE	EE	EE	EE	EE	EE	EE	EE	EE	FF	FF	GG	HH	HH	HH	II	EE	EE	EE	EE	EE	JJ	EE	EE	GG	JJ	KK	JJ		
HOT	AE	AI	AO	AN	AE	AP	AQ	AR	AS	AS	AS	AQ	AT	AU	AQ	AV	AW	AW	AO	ZZ	AX	AY	AZ	BA	AW	BC		BD	U <sub>3</sub>	BE		BF	UU		
I	A <sub>2</sub>	A <sub>2</sub>	A <sub>2</sub>	A <sub>2</sub>	B <sub>4</sub>	B <sub>4</sub>	B <sub>4</sub>	B <sub>4</sub>	B <sub>5</sub>	B <sub>5</sub>	B <sub>5</sub>	B <sub>5</sub>	B <sub>5</sub>	B <sub>5</sub>	A <sub>2</sub>	A <sub>2</sub>	A <sub>2</sub>	A <sub>2</sub>	A <sub>2</sub>	A <sub>2</sub>	A <sub>2</sub>	B <sub>4</sub>	B <sub>4</sub>	A/B <sub>4</sub>	A/B <sub>4</sub>	A/B <sub>4</sub>		A/B <sub>4</sub>	B <sub>4</sub>	A <sub>3</sub>	A	A <sub>3</sub>	A <sub>4</sub>		
KILL	NN	NN	NN	NN	OO	OO	OO	OO	NN	OO	NN	OO	NN	PP	NN	NN	NN	NN	NN	NN	NN	OO	QQ	RR	RR	SS	OO	TT	UU	VV	WW	XX	YY		
KNEE	W	X	X	X	Y	Y	BB	BB	CC	CC	CC	CC	CC	DD	DD	DD	DD	EE	FF	FF	EE	GG	HH	HH	HH	HH	GG	II	JJ	KK	LL	MM	GG		
KNOW	HH	HH	HH	HH	HH	HH	HH	HH	HH	RR	SS	HH	HH	HH	TT	HH	HH	UU	VV	WW	WW		XX	YY	UU	UU	HH	HH	HH	HH	HH	HH	HH	HH	
LEAF	AP	AQ	AQ	AQ	AR	AR	AR	AR	AS	AS	AT	AU	AU	AV	AV	AW	AV	AM	AX	AX	AY	AV	WW	AZ	BA	MM	BC	BC	BD	BE	BF	BG			
LIVER	MM	MM	MM	MM	O	O	HH	HH	MM	MM	MM		MM	NN	OO	PP	PP	PP	PP	PP	PP		QQ	CC	RR	CC	MM	MM	TT	UU	VV	WW			
LONG (adj.)	L	AH	AH	AH	AG	AI	AI	AI	AK	AK	AK	AL	AM	AN	AJ	AO	AO	L	AP	L	AO	AK	O	O	AQ	AR	AG	AI	AG	AS	AI	AH	AT		
LOUSE	BB	BB	BB	BB	BB	BB	BB	BB	HH	BB	II	II	KK	II	BB	BB	BB	BB	BB	X	BB	LL	LL	LL	LL	LL	BB	—	MM	NN	OO	PP	QQ		
MAN	UU	VV	WW	WW	XX	XX	XX	XX	YY	YY	YY	XX	XX	AB	AB	AB	AC	AB	AB	AB	AB	XX	XX	AD	AE	AD	AF	AG	XX	AH	XX	O	AI		
MANY	VV <sub>2</sub>	VV <sub>2</sub>	BG		VV <sub>2</sub>	VV <sub>2</sub>	BH	BI	BJ	BK	BJ	BJ	BH	BL	N <sub>2</sub>	BM	VV <sub>2</sub>	BN	BO	BP	BQ	BR	BK	BT	BR	BT	VV <sub>2</sub>	BU	BV	BW	BX	BY	BY		

	Masa	Banana	Lame	Peve	Zime-D		Kera	Kabalay	Lele	Tumak	Sokoro	Ubi	Mokilko	Bidiya	Dangla	Birigt	Migama	Mabire	Zirenkel	Mubi	Kajakse	
FISH	EE	EE	EE	EE	EE		QQ	HH	HH	RR	SS	SS	—	SS	SS	SS	SS	SS	SS	SS	SS	SS
FOOT/LEG	UU	II	LL	LL	LL		HH <sub>2</sub>	VV	UU	WW	XX	UU	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL
GIVE	AA	YY	WW	ZZ	WW		H <sub>2</sub>	AB	AB	KK	AC	AB	AC	AA	AA	AA	AA	AA	AA	AA	AA	AA
GO	BD	BD	BE	AF	BF		AF	BG	KK	KK	U <sub>3</sub>	BH	BI	BJ	AF	BK	BG	BG	BL	U <sub>3</sub>	AF	
GOOD	BI	BU	BS	BS	BS		BV	BF	BF	BU	AX		AW		BV	BW	AW	BX	BY	BV	BZ	
HAIR (head)	AV	BA	AT	AT	AV		BC	BD	Z <sub>2</sub>	BE	BF	BF	BG	BF	BF	BH	BF	BI	BJ	BJ	BJ	
HAND/ARM	L <sub>2</sub>	T <sub>2</sub>	LL	GG	GG		LL	I <sub>2</sub>	I <sub>2</sub>	T <sub>2</sub>	MM	NN	GG	V	V	MM	V	MM	V	V	V	
HEAD	II	II	QQ	QQ	QQ		GG	GG	GG	RR	SS	SS	TT	GG	GG	GG	GG	GG	GG	GG	GG	GG
HEAR	DD	DD	MM	MM	DD		GG	GG	NN	OO	PP	PP	QQ	RR	RR	PP	SS	AA	AA	AA	AA	
HEART	FF	FF	M	AG	FF		AH		FF	AI	AJ		ZZ		AJ	AK	—	—	AJ	AJ	AJ	
HORN	JJ	JJ	JJ	JJ	JJ		LL	MM	LL	O	LL	LL	NN	LL	LL	OO	LL	LL	LL	LL	LL	
HOT	BG	BH	BI	BF	BF		BJ	BK	BL	AD	BM	BN	BO	BP	BQ	BR	BS	BT	P	P	P	
I	A	A	A	A	A		A <sub>4</sub>	A <sub>2</sub>	A <sub>2</sub>	A	A		A	A <sub>3</sub>	A	A <sub>3</sub>	A/A <sub>3</sub>	A	A <sub>3</sub>	A <sub>3</sub>	A <sub>3</sub>	
KILL	AB	AB	NN	NN	NN		AC	AD	AD	AE	EE	AD	AF	EE	EE	AD	EE	EE	EE	EE	EE	AD
KNEE	NN	OO	PP	PP	QQ		RR		QQ	QQ	SS	TT	UU	QQ	QQ	QQ	QQ	VV	QQ	QQ	QQ	
KNOW	ZZ	WW	WW	WW	WW		AB	HH	HH	HH	MM	AB	HH	MM	MM	MM	MM	MM	MM	AC	AC	AC
LEAF	YY	BB	BB	BB	BB		BH	YY		YY	BB	BI	BJ	BK	BK	BK	BK	BK	BL	BL	BM	
LIVER	XX	XX	XX	XX	XX		YY		YY	ZZ	AC		AB		XX		YY					
LONG (adj.)	AK	AK	AU	AV	AI		AW	QQ		AX	QQ	AI	NN	AY	AY	AZ	AY	BA	AH	AH	AH	
LOUSE	—	RR	II	II	SS		SS	TT	TT	TT	TT	UU	TT	F	F	VV	F	F	WW	F	F	
MAN	AJ	AK	AL	AM	AM		AN	AO	AO	AP	AQ	AQ	AR	AQ	AS	AQ	AQ	AQ	KK	AT	AU	
MANY	AQ	VV <sub>2</sub>	BQ	AQ	BZ		AZ	CA	CB	VV <sub>2</sub>		CD	KK <sub>2</sub>	AS	CE	CF	AS	AS	CF	AT	AS	