

### NesiliKeys Code List

sign value      autocode      unicode      glyph      ETCL sign name      HZL      Hittite      Sumerian or Akkadian

sign-value	autocode NesiliKeys	uni- code	Ullikummi A	ETCL sign name	HZL	Hittite syllable	Sumerian, <i>Akkadian</i> sign values
1	1	12079	𐎶	DIŠ	356	diš, tiš, dás, táš	DIŠ, GÉŠ = GÍŠ = 60, 1
2	2	1222B	𐎶𐎶	MIN	361	2	MIN
3	3	12408	𐎶𐎶𐎶	THREE.DIŠ	368	3	EŠ <sub>5</sub> = 3
4	4	12409	𐎶𐎶𐎶𐎶	FOUR.DIŠ	370	4	LIMMU
5	5	1240A	𐎶𐎶𐎶𐎶𐎶	FIVE.DIŠ	371	5	IÁ
6	6	1240B	𐎶𐎶𐎶𐎶𐎶𐎶	AŠ <sub>3</sub>	372	6	ÀŠ
7	7	1240C	𐎶𐎶𐎶𐎶𐎶𐎶𐎶	IMIN	373	7	IMIN
8	8	1240D	𐎶𐎶𐎶𐎶𐎶𐎶𐎶𐎶	EIGHT.DIŠ	374	8	USSU
9	9	1240E	𐎶𐎶𐎶𐎶𐎶𐎶𐎶𐎶𐎶	ILIMMU	375	9	ILIMMU
11	shift-1	1230B+ 12079	𐎶𐎶	U.DIŠ	287	11	U.DIŠ
20	shift-2	1230B+ 1230B	𐎶𐎶𐎶	U.U	296	man, (20)	MÀN, MÌN, NEŠ = NIŠ
30	shift-3	1230D	𐎶𐎶𐎶𐎶	U.U.U	331	eš, (iš)	ÙŠU, ŠÎN
40	shift-4	1212D	𐎶𐎶𐎶𐎶𐎶	HI	335	ḫi	DU <sub>10</sub> , DÙG, ḪI, 40 = NIMIN = NIN <sub>5</sub> , ŠÁR, ḪÁ (= ḪI.A)
50	shift-5	12410	𐎶𐎶𐎶𐎶𐎶𐎶	FIVE.U	347	50	NINNU
60	shift-6	12079	𐎶	DIŠ	356	diš, tiš, dás, táš	DIŠ, GÉŠ = GÍŠ = 60, 1

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70	shift-7	12079+ 1230B	𐎗	DIŠ.U	359	70	70
A	a.	12000	𐎗	A	364	a, (aya, aye)	A, DUR <sub>5</sub> = DURU <sub>5</sub> , ÀM (= A.AN), ÉR (= A.IGI), EŠA (= A.TIR), ÍLDAG
Á	a2	12009	𐎗	A <sub>2</sub>	215	id, it, ed, et	Á, TI <sub>8</sub>
À	a3	1224C	𐎗	NI	72	ni, né, (lí)	À, IÀ = Ì, NI, ZAL, LÍ
ÁB	aB	12016	𐎗	AB <sub>2</sub>	277		ÁB
ab, AB	ab	1200A	𐎗	AB	97	ap, ab	AB
ÁB×A	a o-b *	100008	𐎗	AB <sub>2</sub> ×A	284		ÁB×A
ABUL (= KÁ.GAL)	→ ka2gal	1218D+ 120F2	𐎗	KA <sub>2</sub> .GAL	167		KÁ, ABUL
ÁD	aD	12313	𐎗	UD	316	ud, ut, pir	UD.KIB.NUN
ad, AD	ad	1201C	𐎗	AD	105	ad, at	AD, AṬ
ag, AG	ag	1201D	𐎗	AK	81	ag, ak, (aq)	AG, AK
ÁG, ÁGA	aG	12258	𐎗	NINDA <sub>2</sub> ×AN	121		ÁG, ÁGA
AGRIG	→ iGdub	12146+ 1207E	𐎗	IGI.DUB	291		AGRIG = GISKIM = ISKIM (IGI.DUB)
aḫ, Aḫ	ah	12134	𐎗	HI×NUN	332	aḫ, eḫ, iḫ, uḫ, (əḫ)	Aḫ, Uḫ
ak, AK	ak	1201D	𐎗	AK	81	ag, ak, (aq)	AG, AK

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ÀKA	a o-k	122C3		ŠID	231		SANGA, ÀKA, ŠID = ŠIT = ŠITA <sub>5</sub> = ŠITI = ŠED
al, AL	al	12020		AL	183	al	AL
ALAM	aL	12029		ALAN	226		ALAM = ALAN
ALIM	a o-l *	1210B		GIR <sub>3</sub> × A + IGI	303		ALIM (GÌR × A.IGI)
ÀM (= A.AN)	a o-m	12000+ 1202D		A.AN	364	a, (aya, aye)	A, DUR <sub>5</sub> = DURU <sub>5</sub> , ÀM (= A.AN), ÉR (= A.IGI), EŠA (= A.TIR), ÍLDAG
am, AM	am	12120		GUD × KUR	168	am	AM, EDIN (= AM.SÌLA.BUR)
AMA	aM	120BC		GA <sub>2</sub> × AN	57		AMA, DAGAL
AMAR	a os-m *	1202B		AMAR	155		AMAR
AMAR × KU <sub>6</sub>	aK *	100006		AMAR × KU6	276		AMAR × KU <sub>6</sub>
AMBAR	→ sug	121B9		LAGAB × A	182		AMBAR = SUG = BUGIN = BUNIN
an, AN	an	1202D		AN	8	an	AN, DINGIR
AN/AN	→ nab	1202E		AN/AN	100	nab, nap	AN/AN
ANŠE, ANŠU	aN	12032		ANŠE	302		ANŠE = ANŠU, DÙR (= ANŠE.ARAD), DÚSU (= ANŠE.Ù)
ap	ap	1200A		AB	97	ap, ab	AB
APIN	aP	12033		APIN	9		APIN, ENGAR

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aq	aq	1201D		AK	81	ag, ak, (aq)	AG, AK
ÀR	a o-r	1212F		HI × AŠ <sub>2</sub>	333	ḫar, ḫur, mur	ÀR = ḪAR = ḪUR = KÍN = MUR = UR <sub>5</sub> , ARA <sub>5</sub> (= ḪAR.ḪAR)
ar, AR	ar	12148		IGI.RI	289	ar	AR (IGI.RI)
ARA5	→ harhar	1212F+ 1212F		HI × AŠ <sub>2</sub> + HI × AŠ <sub>2</sub>	333	ḫar, ḫur, mur	ÀR = ḪAR = ḪUR = KÍN = MUR = UR <sub>5</sub> , ARA <sub>5</sub> (= ḪAR.ḪAR)
ARAD	aR	12034		ARAD	16		ÈR, ARAD = ERUM = ÌR, NÍTA(Ḫ)
ÀRAḪ	→ a os-r	120E5		GA <sub>2</sub> × ŠE	59		ÀRAḪ = ARAḪ <sub>4</sub> = ÉSAG
ARAḪ <sub>4</sub>	a os-r	120E5		GA <sub>2</sub> × ŠE	59		ÀRAḪ = ARAḪ <sub>4</sub> = ÉSAG
as	as	12038		AŠ	1	aš	AŠ, DIDLI, DILI, RUM, RÙ
ÁŠ	aC	1203E		AŠ <sub>2</sub>	241	tàš, (Ph. áš, Ph. áz)	ÁŠ, ZÍZ
ÀŠ	→ 6	1240B		AŠ <sub>3</sub>	372	6	ÀŠ
áš (Ph.)	→ aC	1203E		AŠ <sub>2</sub>	241	tàš, (Ph. áš, Ph. áz)	ÁŠ, ZÍZ
aš, AŠ	ac	12038		AŠ	1	aš	AŠ, DIDLI, DILI, RUM, RÙ
AŠGAB	a o-c *	1203F		AŠGAB	80		AŠGAB
at, AṬ	at	1201C		AD	105	ad, at	AD, AṬ
áz (Ph.)	→ aC	1203E		AŠ <sub>2</sub>	241	tàš, (Ph. áš, Ph. áz)	ÁŠ, ZÍZ

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az, AZ	az	1228D		PIRIG × ZA	92	az	AZ
AZAG (= KUG.AN)	→ kugan	121AC+ 1202D		KU <sub>3</sub> .AN	69		KÙ, KUG, AZAG (= KUG.AN), GUŠKIN (= KUG.GI)
ÁZLAG	a o-z *	12306		TUG <sub>2</sub>	212		TÚG = TU <sub>9</sub> , ÁZLAG, GI <sub>7</sub> = GIR <sub>15</sub> , ŠÈ, ZÍD = ZÌ
AZU	aZ	12259		UZU <sub>2</sub>	104		AZU = ÚZU (= NÍNDA × NUN)
ba, BA	ba.	12040		BA	205	ba, (pá)	BA
BABBAR	bb	12313		UD	316	ud, ut, pir	BABBAR, UD, U <sub>4</sub> , ÁD, TAM, TAM, UTU, ZALAG, BURANUN = ZIMBIR (= UD.KIB.NUN), È (= UD.DU), ZABAR (= UD.KA.BAR), ḪÁD
BÀD	ba o-d	120A6		EZEN × BAD	114		BÀD
BAD, BAD	bad	12041		BAD	13	pát, pád, píd, pít, pè, pì	BAD, BE, SUMUN = SUN, TIL, ÚŠ, BE, BAD, MIT
BÁḪAR	bH	12081		DUG	162		DUG, BÁḪAR (= DUG.SÌLA.BUR), BAḪARÌ = BAḪAR <sub>5</sub> (= DUG.SÌLA.BUR.NA)
BAḪAR <sub>5</sub>	b os-h	12081		DUG	162		DUG, BÁḪAR (= DUG.SÌLA.BUR), BAḪARÌ = BAḪAR <sub>5</sub> (= DUG.SÌLA.BUR.NA)
BAḪARÌ	b o-h	12081		DUG	162		DUG, BÁḪAR (= DUG.SÌLA.BUR), BAḪARÌ = BAḪAR <sub>5</sub> (= DUG.SÌLA.BUR.NA)
bal, BAL	bal	12044		BAL	4	bal, pal	BAL
BALAG	bl	12046		BALAG	225		BALAG
BÁN	baN	12047		BAR (MAŠ variant)	20	pár, bar	BÁN, BAR, MAŠ, MÁŠDA (= MAŠ.EN.GAG)

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BANŠUR (usu. = URU.URUDU)	bc	12337+ 1234F		URU.URUDA	229		URU, RÍ, U <sub>19</sub> , GÀL, BANŠUR (usu. = URU.URUDU, rarely E.URUDU)
BAPPIR	bp	122CB		ŠIM × GAR	163		BAPPIR (= ŠIM × NÍG)
BÁR	baR	12048		BARA <sub>2</sub>	235		BÁR
BÀR	ba o-r	12056		DAG	243	tág, ták, (táq), dag, dak (daq)	BÀR, DAG
bar, BAR	bar	12047		BAR (MAŠ variant)	20	pár, bar	BÁN, BAR, MAŠ, MÁŠDA (= MAŠ.EN.GAG)
BAR <sub>7</sub>	ba os-r	12248		NE	169	ne, (ni <sub>5</sub> ), bil	BAR <sub>7</sub> = BIL = BIR <sub>9</sub> , BÍ, IZI, LÁM, NE, ŠEG <sub>6</sub> , ÉRIM (=NE.RU), GIBIL <sub>6</sub> , = GÌRA (= NE.GI)
BAR <sub>8</sub>	→ bv1	12098		EN × GAN <sub>2</sub> tenu	274		BURU <sub>14</sub> (= EBUR), BAR <sub>8</sub> , SULLIM
be	→ bi.	12049		BI	153	pí, pé, bi, be, kaš, gaš	BI, KAŠ
BE, BE	be.	12041		BAD	13	pát, pád, píd, pít, pè, pì	BAD, BE, SUMUN = SUN, TIL, ÚŠ, BE, BAD, MIT
BÍ	bi2	12248		NE	169	ne, (ni <sub>5</sub> ), bil	BAR <sub>7</sub> = BIL = BIR <sub>9</sub> , BÍ, IZI, LÁM, NE, ŠEG <sub>6</sub> , ÉRIM (=NE.RU), GIBIL <sub>6</sub> , = GÌRA (= NE.GI)
bi, BI	bi.	12049		BI	153	pí, pé, bi, be, kaš, gaš	BI, KAŠ
BIL	bil	12248		NE	169	ne, (ni <sub>5</sub> ), bil	BAR <sub>7</sub> = BIL = BIR <sub>9</sub> , BÍ, IZI, LÁM, NE, ŠEG <sub>6</sub> , ÉRIM (=NE.RU), GIBIL <sub>6</sub> , = GÌRA (= NE.GI)
bíl	biL	1224B		NEšešig	172	píl, bíl, (pél), Hurr. li <sub>13</sub>	GIBIL

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bir	bir	12135		HI × ŠE	334		BIR = ÉLLAG (HI × ŠE)
BIR <sub>9</sub>	bi os-r	12248		NE	169	ne, (ni <sub>5</sub> ), bil	BAR <sub>7</sub> = BIL = BIR <sub>9</sub> , BÍ, IZI, LÁM, NE, ŠEG <sub>6</sub> , ÉRIM (= NE.RU), GIBIL <sub>6</sub> , = GÌRA (= NE.GI)
bis	bis	1212B		HAgunu	244	gir, kir, piš, (paš), pùš, biš	HA <sub>6</sub>
bu, BU	bu.	1204D		BU	339	pu, bu, gít	BU, GÍD
BUGIN	bg	121B9		LAGAB × A	182		AMBAR = SUG = BUGIN = BUNIN
BÚGIN	bG	121C5		LAGAB × GAR	55		BÚGIN = BÚNIN (LAGAB × NÍG)
BÙLUG	b o-l	1227D+ 1227D		PAP.PAP	257		BÙLUG = DIM <sub>4</sub> = MUNU8 (PAP.PAP): Use UllikummiC for this sign
BÚN	buN	1216E		KA × IM	144		BÚN (KA × IM)
BUNIN	bn	121B9		LAGAB × A	182		AMBAR = SUG = BUGIN = BUNIN
BÚNIN	bN	121C5		LAGAB × GAR	55		BÚGIN = BÚNIN (LAGAB × NÍG)
bur, BUR	bur	12053		BUR	245	bur, pur	BUR
bur, BUR	bv.	12053		BUR	245	bur, pur	BUR
BÙR, BURÙ	b o-v	1230B		U	261	u	U, BÙR = BURÙ, UH <sub>7</sub> (= U.GAG)
BÙR, BURÙ	bu o-r	1230B		U	261	u	U, BÙR = BURÙ, UH <sub>7</sub> (= U.GAG)
BÙR, BURÙ	bv3	1230B		U	261	u	U, BÙR = BURÙ, UH <sub>7</sub> (= U.GAG)

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BUR <sub>6</sub> , BURU <sub>6</sub>	<b>bv6</b>	12246		NAM	39	nam	NAM, SIM = SÍN, BURU <sub>5</sub> = BUR <sub>6</sub> = BURU <sub>6</sub>
BURANUN (= UD.KIB.BIN)	<b>br</b>	12313+ 12112+ 12263		UD.GIŠ%GIŠ. NUN	316	ud, ut, pir	BABBAR, UD, U <sub>4</sub> , ÁD, TAM, TAM, UTU, ZALAG, BURANUN = ZIMBIR (= UD.KIB.NUN), È (= UD.DU), ZABAR (= UD.KA.BAR), HÁD
BURU <sub>14</sub>	<b>bv1</b>	12098		EN × GAN <sub>2</sub> tenu	274		BURU <sub>14</sub> (= EBUR), BAR <sub>8</sub> , SULLIM
BURU <sub>5</sub>	<b>bv5</b>	12246		NAM	39	nam	NAM, SIM = SÍN, BURU <sub>5</sub> = BUR <sub>6</sub> = BURU <sub>6</sub>
BURU <sub>5</sub> , BUR(U) <sub>6</sub>	<b>b os-v</b>	12246		NAM	39	nam	NAM, SIM = SÍN, BURU <sub>5</sub> = BUR <sub>6</sub> = BURU <sub>6</sub>
BURU <sub>5</sub> , BUR(U) <sub>6</sub>	<b>bu os-r</b>	12246		NAM	39	nam	NAM, SIM = SÍN, BURU <sub>5</sub> = BUR <sub>6</sub> = BURU <sub>6</sub>
dá	<b>da2</b>	122EB		TA	160	ta, (dá)	TA
da, DA	<b>da.</b>	12055		DA	214	da, (tá)	DA = TÁ
DAB	<b>dab</b>	12073		LU (DIB)	210	lu; Hurr. dib	DAB = DIB, DUL <sub>8</sub> , LU, UDU
dag, DAG	<b>dag</b>	12056		DAG	243	tág, ták, (táq), dag, dak (daq)	BÀR, DAG
DAGAL	<b>daG *</b>	120BC		GA <sub>2</sub> × AN	57		AMA, DAGAL
daḥ	<b>dah</b>	1222D		MU/MU	171	taḥ, (daḥ), túḥ	TAḤ (= MU/MU)
DÀḤ	<b>da o-h</b>	1224F		NIM	74	nim (Hurr.)	DÀḤ, ELAM, NIM = DÌḤ
dak	<b>dak</b>	12056		DAG	243	tág, ták, (táq), dag, dak (daq)	BÀR, DAG

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dal	dal	12291	𐎠𐎡	RI	32	ri, re, tal, (dal)	RI
DALĤAMUN <sub>4</sub> (this glyph four times in the shape of a cross)	d os-h	12240	𐎠𐎡	NAGA	352		NAGA, NÍDABA = NÍSABA, DALĤAMUN <sub>4</sub>
dam, DAM	dam	1206E	𐎠𐎡	DAM	298	dam, (tám)	DAM
dan	dan	12197	𐎠𐎡	KAL	196	kal, (gal <sub>9</sub> ), dan, tan	ESI, GURUŠ, KAL = KALA = KALAG, LAMMA
DANNA	dn	1219C+ 1204D	𐎠𐎡	KASKAL.BU	259		KASKAL, RAŠ, DANNA (= KASKAL.BU), ILLAT (= KASKAL.KUR)
daq	daq	12056	𐎠𐎡	DAG	243	tág, ták, (táq), dag, dak (daq)	BÀR, DAG
DÀRA	daR	12070	𐎠𐎡	DARA <sub>3</sub>	71		DÀRA
dás	daS	12079	𐎠	DIŠ	356	diš, tiš, dás, táš	DIŠ, GÉŠ = GÍŠ = 60, 1
dáš	daC	12079	𐎠	DIŠ	356	diš, tiš, dás, táš	DIŠ, GÉŠ = GÍŠ = 60, 1
de	de.	12072	𐎠	DI	312	di, de, ti <sub>4</sub>	DI, SÁ, SALIM = SILIM
DÉ	de2	12324	𐎠𐎡	UMUM × KASKAL	102		DÉ
de <sub>4</sub>	de4	122FC	𐎠	TE	249	te, (ti <sub>7</sub> , de <sub>4</sub> )	TE
di	→ ti.	122FE	𐎠	TI	37	ti, (di)	TI, TÀL, TÌL

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di, DI	di.	12072		DI	312	di, de, ti <sub>4</sub>	DI, SÁ, SALIM = SILIM
dib, DIB	dib	12073		LU (DIB)	210	lu; Hurr. dib	DAB = DIB, DUL <sub>8</sub> , LU, UDU
DIDLI	dl	12038		AŠ	1	aš	AŠ, DIDLI, DILI, RUM, RÙ
DÌḪ	di o-h	1224F		NIM	74	nim (Hurr.)	DÀḪ, ELAM, NIM = DÌḪ
DILI	→ dl	12038		AŠ	1	aš	AŠ, DIDLI, DILI, RUM, RÙ
DÍLI	diL	121FA		LIŠ	286	liš, li <sub>12</sub>	DÍLI = DÍLIM, LIŠ
DÍLIM	dL	121FA		LIŠ	286	liš, li <sub>12</sub>	DÍLI = DÍLIM, LIŠ
DÍM	diM	12076		DIM <sub>2</sub>	165		DÍM, GIM
DÌM	di o-m	12290+ 120F5		RAB.GAM	116		DÌM (RAB.GAM)
dim, DIM	dim	12074		DIM	14	(dim), tim	DIM
DIM <sub>4</sub>	di os-m	1227D+ 1227D		PAP.PAP	257		BÙLUG = DIM <sub>4</sub> = MUNU8 (PAP.PAP): Use UllikummiC for this sign
DIN	din	12077		DIN	330	tin, (tén, tan <sub>x</sub> )	KÚRUN, TIN, GAMUN (= DIN.TIR)
DINGIR	d.	1202D		AN	8	an	AN, DINGIR
DIRI	diR	122DB+ 12000		SI.A	89		DIRI = SA <sub>5</sub> (= SI.A)
dis	dis	12079		DIŠ	356	diš, tiš, dáš, táš	DIŠ, GÉŠ = GÍŠ = 60, 1

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diš, DIŠ	dic	12079	𐎠	DIŠ	356	diš, tiš, dás, táš	DIŠ, GÉŠ = GÍŠ = 60, 1
DÙ	du3	12195	𐎠	KAK	75		DÙ = RÚ, GAG
du, DU	du.	1207A	𐎠	DU	128	du, (tù)	DU = GIN = RÁ = RI <sub>6</sub> , GUB, ŠA <sub>4</sub>
DU <sub>10</sub>	du0	1212D	𐎠	HI	335	ḫi	DU <sub>10</sub> , DÙG, ḫi, 40 = NIMIN = NIN <sub>5</sub> , ŠÁR, ḫÁ (= ḫI.A)
DU <sub>11</sub>	du1	12157	𐎠	KA	133	ka	DU <sub>11</sub> = DUG <sub>4</sub> , GÙ, INIM, KA, KIR <sub>4</sub> , ZÚ
du <sub>2</sub>	du2	12305	𐎠	TU	346	tu, du <sub>2</sub>	TU
DU <sub>6</sub>	du6	121EF	𐎠	LAGAR <sub>gunu</sub>	211		DU <sub>6</sub>
DU <sub>8</sub>	du8	120EE	𐎠	GABA	164		DU <sub>8</sub> = DUḫ, GAB = GABA
DÚB	duB	12080	𐎠	DUB <sub>2</sub>	130		DÚB
dub, DUB	dub	1207E	𐎠	DUB	99	tub, tup (dup, dub)	DUB, KIŠIB, ṬUP
DUG	dug	12081	𐎠	DUG	162		DUG, BÁḫAR (= DUG.SÌLA.BUR), BAḫARÌ = BAḫAR <sub>5</sub> (= DUG.SÌLA.BUR.NA)
DÙG	du o-g	1212D	𐎠	HI	335	ḫi	DU <sub>10</sub> , DÙG, ḫi, 40 = NIMIN = NIN <sub>5</sub> , ŠÁR, ḫÁ (= ḫI.A)
DUG <sub>4</sub>	du os-g	12157	𐎠	KA	133	ka	DU <sub>11</sub> = DUG <sub>4</sub> , GÙ, INIM, KA, KIR <sub>4</sub> , ZÚ
DUGUD	dg	12082	𐎠	DUGUD	268		DUGUD
DUḫ	duh	120EE	𐎠	GABA	164		DU <sub>8</sub> = DUḫ, GAB = GABA
DUL	dul	1230B+ 12306	𐎠	U.TUG <sub>2</sub>	262		DUL (U.TÚG)

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
DUL <sub>8</sub>	du os-l	12073	𒄠	LU (DIB)	210	lu; Hurr. dib	DAB = DIB, DUL <sub>8</sub> , LU, UDU
dum	dum	12308	𒄠	TUM	125	tum, (dum), tu <sub>4</sub>	ÍB, TU <sub>4</sub> , ṬU <sub>4</sub>
DUMU	duM	12309	𒄠	TUR	237		DUMU, TUR, KUN <sub>5</sub> (= TUR.TÚG)
DUN	dun	12084	𒄠	DUN	46	zul	ŠUL, SUL
dup	dup	1207E	𒄠	DUB	99	tub, tup (dup, dub)	DUB, KIŠIB, ṬUP
DÙR	du o-r	12032+ 12034	𒄠	ANŠE.ARAD	302		ANŠE = ANŠU, DÙR (= ANŠE.ARAD), DÚSU (= ANŠE.Ù)
DÙR	dv3	12032+ 12034	𒄠	ANŠE.ARAD	302		ANŠE = ANŠU, DÙR (= ANŠE.ARAD), DÚSU (= ANŠE.Ù)
dur, DUR	dur	12119	𒄠	GU <sub>2</sub> × KAK	202	dur, túr	DUR, ṬUR
DÚR, DÚRU	duR	121AA	𒄠	KU	206	ku, (gu <sub>5</sub> )	DÚR = DÚRU = DURUN = TUŠ, TUKUL
DÚR, DÚRU	dv	121AA	𒄠	KU	206	ku, (gu <sub>5</sub> )	DÚR = DÚRU = DURUN = TUŠ, TUKUL
DÚR, DÚRU	dv2	121AA	𒄠	KU	206	ku, (gu <sub>5</sub> )	DÚR = DÚRU = DURUN = TUŠ, TUKUL
DUR <sub>10</sub>	dv0	122BF	𒄠	ŠEN	230		PÀSAN = PÌSAN, DUR <sub>10</sub> = ŠEN, ALAL
DUR <sub>5</sub> , DURU <sub>5</sub>	du os-r	12000	𒄠	A	364	a, (aya, aye)	A, DUR <sub>5</sub> = DURU <sub>5</sub> , ÀM (= A.AN), ÉR (= A.IGI), EŠA (= A.TIR), ÍLDAG
DUR <sub>5</sub> , DURU <sub>5</sub>	dv5	12000	𒄠	A	364	a, (aya, aye)	A, DUR <sub>5</sub> = DURU <sub>5</sub> , ÀM (= A.AN), ÉR (= A.IGI), EŠA (= A.TIR), ÍLDAG
DURUN	dr	121AA	𒄠	KU	206	ku, (gu <sub>5</sub> )	DÚR = DÚRU = DURUN = TUŠ, TUKUL

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
DURUN	dv <sub>n</sub>	121AA		KU	206	ku, (gu <sub>5</sub> )	DÚR = DÚRU = DURUN = TUŠ, TUKUL
DÚSU	du <sub>S</sub>	12032+ 12147		ANŠE.IGI.EŠ <sub>2</sub>	302		ANŠE = ANŠU, DÙR (= ANŠE.ARAD), DÚSU (= ANŠE.Ù)
É	e <sub>2</sub>	1208D		E <sub>2</sub>	199		É
È (= UD.DU)	e <sub>3</sub>	12313+ 1207A		UD.DU	316	ud, ut, pir	BABBAR, UD, U <sub>4</sub> , ÁD, TAM, TAM, UTU, ZALAG, BURANUN = ZIMBIR (= UD.KIB.NUN), È (= UD.DU), ZABAR (= UD.KA.BAR), HÁD
E <sup>!</sup> .KISIM <sub>5</sub> × A.MAŠ	da os-g *	12057		DAG.KISIM <sub>5</sub> × SI	190		E!-KISIM <sub>5</sub> × A.MAŠ (= DAG.KISIM <sub>5</sub> × SI)
e, E	e.	1208A		E	187	e	E, GURU <sub>21</sub> (= E.TUM), SIMUG (E.DÉ)
eb	eb	12141		IB	44	ib, ip, eb, ep	IB, URAŠ, URTA
EBUR	eB	12098		EN × GAN <sub>2</sub> tenu	274		BURU <sub>14</sub> (= EBUR), BAR <sub>8</sub> , SULLIM
ed	ed	12009		A <sub>2</sub>	215	id, it, ed, et	Á, TI <sub>8</sub>
EDIN (= AM.SÌLA.BUR)	eD	12120+ 122E1+ 12053		GUD × KUR + SILA <sub>3</sub> .BUR	168	am	AM, EDIN (= AM.SÌLA.BUR)
eg	eg	12145		IG	67	ig, ik, iq, eg, ek, (eq)	GÁL, IG
EGIR	eG	12095		EGIR	126		EGIR
eḡ	eh	12134		HI × NUN	332	aḡ, eḡ, iḡ, uḡ, (əḡ)	Aḡ, Uḡ

→ = replacement code    \* = irregular code

NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
ek	ek	12145		IG	67	ig, ik, iq, eg, ek, (eq)	GÁL, IG
el	el	12096		EL	307	el, (il <sub>5</sub> ), šik	SIKIL
él	eL	1214B		IL	117	il, (él)	
ELAM	→ da o-h	1224F		NIM	74	nim (Hurr.)	DÀĤ, ELAM, NIM = DÌĤ
ÉLLAG	→ bir	12135		HI × ŠE	334		BIR = ÉLLAG (HI × ŠE)
em	em	1214E		IM	337	im, em	IM, NÍ, GUDU <sub>12</sub> (= IM.ME)
EME	eM	12174		KA × ME	147		EME (KA × ME)
ÈN	e o-n	121F7		LI	343	li, le	LE, LI, ÈN
ÉN (= ŠÚ.AN)	eN	122D9+ 1202D		ŠU <sub>2</sub> .AN	251	šú	ŠÚ, ÉN (= ŠÚ.AN)
en, EN	en	12097		EN	40	en, (in <sub>4</sub> )	EN, ENSI, IN <sub>4</sub>
en <sub>6</sub>	e os-n	12154		IN	354	in, (en <sub>6</sub> )	IN
ENGAR	→ aP	12033		APIN	9		APIN, ENGAR
ENGUR	eV *	121C9		LAGAB × HAL	216		ENGUR
ENSI	→ enme.li.	12097+ 12228+ 121FZ		EN.ME.LI	40	en, (in <sub>4</sub> )	EN, ENSI, IN <sub>4</sub>
ep	ep	12141		IB	44	ib, ip, eb, ep	IB, URAŠ, URТА

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
eq	eq	12145		IG	67	ig, ik, iq, eg, ek, (eq)	GÁL, IG
er	er	12155		IR	77	ir, er	IR
ÉR	→ a.iG	12000+ 12146		A.IGI	364	a, (aya, aye)	A, DUR <sub>5</sub> = DURU <sub>5</sub> , ÀM (= A.AN), ÉR (= A.IGI), EŠA (= A.TIR), ÍLDAG
ÈR	e o-r	12034		ARAD	16		ÈR, ARAD = ERUM = ÌR, NÍTA(Ḫ)
EREŠ (= MUNUS.TÚG)	→ nin	122A9+ 12306		SAL.TÚG	299		NIN <sub>9</sub> (MUNUS.KU), NIN = EREŠ (MUNUS.TÚG)
ERI11	→ uN	12014		AB×U+U+U	111		ERI <sub>11</sub> , UNU, UNUG
ERIM	eR	1209F		ERIN <sub>2</sub>	327		ÉRIN = ÉREN, NUNUS, RÍN, ZÁLAG, ERIM, ZAB
ÉRIM (= NE.RU)	→ ne.ru.	12248+ 12292		NE.RU	169	ne, (ni <sub>5</sub> ), bil	BAR <sub>7</sub> = BIL = BIR <sub>9</sub> , BÍ, IZI, LÁM, NE, ŠEG <sub>6</sub> , ÉRIM (= NE.RU), GIBIL <sub>6</sub> , = ĜÌRA (= NE.GI)
ERIN, EREN	rn *	1209E		EREN	62		ERIN = EREN (= SÍK.NUN)
ÉRIN, ÉREN	eR	1209F		ERIN <sub>2</sub>	327		ÉRIN = ÉREN, NUNUS, RÍN, ZÁLAG, ERIM, ZAB
ERUM	→ aR	12034		ARAD	16		ÈR, ARAD = ERUM = ÌR, NÍTA(Ḫ)
es	es	1230D		U.U.U	331	eš, (iš)	ÙŠU, SÎN
eš	ec	1230D		U.U.U	331	eš, (iš)	ÙŠU, SÎN
es <sub>15</sub>	e os-s	12156		IŠ	151	iš, (eš <sub>15</sub> , mil, mel)	KUŠ <sub>7</sub> , SAḪAR, IŠ

→ = replacement code    \* = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
eš <sub>15</sub>	e os-c	12156		IŠ	151	iš, (eš <sub>15</sub> , mil, mel)	KUŠ <sub>7</sub> , SAḪAR, IŠ
EŠ <sub>5</sub>	→ 3	12408		THREE.DIŠ	368	3	EŠ <sub>5</sub> = 3
EŠA (= A.TIR)	eC	12000+ 12301		A.TIR	364	a, (aya, aye)	A, DUR <sub>5</sub> = DURU <sub>5</sub> , ÀM (= A.AN), ÉR (= A.IGI), EŠA (= A.TIR), ÍLDAG
ÉSAG	eS	120E5		GA <sub>2</sub> × ŠE	59		ÀRAḪ = ARAḪ <sub>4</sub> = ÉSAG
ESI	e o-s *	12197		KAL	196	kal, (gal <sub>9</sub> ), dan, tan	ESI, GURUŠ, KAL = KALA = KALAG, LAMMA
et	et	12009		A <sub>2</sub>	215	id, it, ed, et	Á, TI <sub>8</sub>
et	it	12009		A <sub>2</sub>	215	id, it, ed, et	Á, TI <sub>8</sub>
ez	ez	12111		GIŠ	178	ez, iz, níš	GIŠ, GISSU (= GIŠ.MI), IŠ
EZEN	eZ	100009		EZEN × ŠE	107		EZEN <sub>4</sub> , (EZEN × ŠE), EZEN
EZEN <sub>4</sub>	e os-z	100009		EZEN × ŠE	107		EZEN <sub>4</sub> , (EZEN × ŠE), EZEN
GÁ	ga2	120B7		GA <sub>2</sub>	56		GÁ = PISAN, MAL
ga, GA	ga.	120B5		GA	159	ga	GA, KÀ
ga5	ga5	122E1		SILA <sub>3</sub>	21	qa, ga <sub>5</sub> , ka <sub>4</sub>	SÀL (SAL <sub>4</sub> ), SÀLA, SÌLA, SAGI, = SÌLA.ŠU.DUḪ
GAB	gab	120EE		GABA	164		DU <sub>8</sub> = DUḪ, GAB = GABA
gáb, GÁB	gaB	1218F		KAB	49	kab, kap, gáb, gáp	GÁB, GÙB, ḪÚB, KAB
GABA	→ gab	120EE		GABA	164		DU <sub>8</sub> = DUḪ, GAB = GABA

→ = replacement code    \* = irregular code

NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
gad, GAD	gad	120F0	𐎡	GAD	173	gad, gat, kad, kat	GAD = GADA
GADA	gaD	120F0	𐎡	GAD	173	gad, gat, kad, kat	GAD = GADA
GAG	gag	12195	𐎠	KAK	75		DÙ = RÚ, GAG
GÁL	gal	12145	𐎡𐎠	IG	67	ig, ik, iq, eg, ek, (eq)	GÁL, IG
GÀL	ga o-l	12337	𐎡𐎠	URU	229		URU, RÍ, U <sub>19</sub> , GÀL, BANŠUR (usu. = URU.URUDU, rarely E.URUDU)
gal, GAL	gal	120F2	𐎡	GAL	242	gal, (kál)	GAL
gal <sub>9</sub>	ga os-l	12197	𐎡𐎠	KAL	196	kal, (gal <sub>9</sub> ), dan, tan	ESI, GURUŠ, KAL = KALA = KALAG, LAMMA
GALA	→ ucku.	12351+ 121AA	𐎡𐎠𐎠	UŠ.KU	132	uš	NITA = NITAḪ, UŠ, ÚS, GALA (= UŠ.KU)
GALGA	gg	120CC	𐎡𐎠	GA <sub>2</sub> × AN	60		GALGA (GÁ × NÍG)
GAM	gam	120F5	𐎡	GAM	247		GAM
gám	gaM	12130	𐎡	HI × BAD	355	kam, (gám)	KAM, TU <sub>7</sub> , ÚTUL
GAMUN (= DIN.TIR)	gm	12077+ 12301	𐎡𐎠𐎠	DIN.TIR	330	tin, (tén, tan <sub>x</sub> )	KÚRUN, TIN, GAMUN (= DIN.TIR)
GAN	gan	120F6	𐎡	GAN	113	ḫé, (ḫí)	GAN, ḪÉ
GÀN	ga o-n	121B3	𐎡	KUR	329	kur	KUR, GÀN, GÌN, ŠAD
gán, GÁN	gaN	120F7	𐎡	GAN <sub>2</sub>	61	gán, kán	GÁN, IKU

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
gáp	gaP	1218F		KAB	49	kab, kap, gáb, gáp	GÁB, GÙB, HÚB, KAB
GAR	gar	120FB		GAR	369	šá	GAR, NÍG, NINDA, ŠÁ
gàr, GÀR	ga o-r	120FC		GAR <sub>3</sub>	240	gàr, kàr	GÀR
GAR <sub>5</sub>	ga os-r	12216		LU <sub>3</sub>	220		GÚG, GAR <sub>5</sub>
GARZA (= PA.AN)	gz	1227A+ 1202D		PA.AN	174	pa, ḥad, ḥat	GIDRU, PA, UGULA, GARZA (= PA.AN), NUSKA (= PA.TÚG)
gas	gas	12049		BI	153	pí, pé, bi, be, kaš, gaš	BI, KAŠ
gaš	gac	12049		BI	153	pí, pé, bi, be, kaš, gaš	BI, KAŠ
GAŠAN	gc	120FD		UGUNU <sub>2</sub>	336		GAŠAN
gat	gat	120F0		GAD	173	gad, gat, kad, kat	GAD = GADA
gaz, GAZ	gaz	12124		GUM × ŠE	122	gaz	GAZ (KUM × ŠE)
ge	ge.	12100		GI	30	gi, ge	GI, SI <sub>22</sub> , SIG <sub>17</sub> , QÈ
GÉ	ge2	121A4		KID	194	kid	LÍL, GÉ = KID, KE <sub>4</sub> , KID
GE <sub>4</sub>	ge4	12104		GI <sub>4</sub>	234		GI <sub>4</sub> = GE <sub>4</sub>
ge <sub>5</sub>	ge5	121A0		KI	313	ki, ke, gi <sub>5</sub> , (ge <sub>5</sub> )	GI <sub>5</sub> , KI, GUNNI = (KI.NE), KARAŠ (= GÁRAŠ = KI.KAL.BAD), KISLAḤ (= KI.UD), SUR <sub>7</sub> (= KI.GAG)
GE <sub>6</sub>	ge6	1222A		MI	267	mi	GE <sub>6</sub> = GI <sub>6</sub> , GÍG, MI

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## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
ge <sub>e</sub> (Hurr.)	gee	12101			31	ge <sub>e</sub> (Hurr.)	
GÉME	geM	122A9+ 121B3		SAL.KUR	305		GÉME (SAL.KUR)
GÉŠ	geC	12079		DIŠ	356	diš, tiš, dás, taš	DIŠ, GÉŠ = GÍŠ = 60, 1
GÉŠBU	gB	122D7		ŠU	68	šu	ŠU, GÉŠBU = GÉŠPU = GEŠPÚ, QĀTU
GEŠPÚ	gP	122D7		ŠU	68	šu	ŠU, GÉŠBU = GÉŠPU = GEŠPÚ, QĀTU
GÉŠPU	gP	122D7		ŠU	68	šu	ŠU, GÉŠBU = GÉŠPU = GEŠPÚ, QĀTU
GEŠTIN	gt	120FE		GEŠTIN	131	wi <sub>5</sub>	GEŠTIN
GEŠTU, GEŠTUG	→ wa.	1227F		PI	317	wa	GEŠTU, GEŠTUG, TÁL
gi, GI	gi.	12100		GI	30	gi, ge	GI, SI <sub>22</sub> , SIG <sub>17</sub> , QÈ
GI <sub>4</sub>	gi4	12104		GI <sub>4</sub>	234		GI <sub>4</sub> = GE <sub>4</sub>
gi <sub>5</sub>	gi5	121A0		KI	313	ki, ke, gi <sub>5</sub> , (ge <sub>5</sub> )	GI <sub>5</sub> , KI, GUNNI = (KI.NE), KARAŠ (= GÁRAŠ = KI.KAL.BAD), KISLAḪ (= KI.UD), SUR <sub>7</sub> (= KI.GAG)
GI <sub>6</sub>	gi6	1222A		MI	267	mi	GE <sub>6</sub> = GI <sub>6</sub> , GÍG, MI
GI <sub>7</sub>	gi7	12306		TUG <sub>2</sub>	212		TÚG = TU <sub>9</sub> , ÁZLAG, GI <sub>7</sub> = GIR <sub>15</sub> , ŠÈ, ZÍD = ZÌ
GIBIL	gb	1224B		NEšešig	172	píl, bíl, (pél), Hurr. li <sub>13</sub>	GIBIL
GIBIL <sub>6</sub> (= NE.GI)	g os-b	12248+ 12100		NE.GI	169	ne, (ni <sub>5</sub> ), bil	BAR <sub>7</sub> = BIL = BIR <sub>9</sub> , BÍ, IZI, LÁM, NE, ŠEG <sub>6</sub> , ÉRIM (= NE.RU), GIBIL <sub>6</sub> , = GÌRA (= NE.GI)

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
GÍD	giD	1204D		BU	339	pu, bu, gít	BU, GÍD
GIDIM	gd	12107		GIDIM	52		GIDIM (ŠUŠANA.IŠ)
GIDRU	→ pa.	1227A		PA	174	pa, ḥad, ḥat	GIDRU, PA, UGULA, GARZA (= PA.AN), NUSKA (= PA.TÚG)
GIG	gig	1222A+ 1226D		GIG	269		GIG (MI.NUNUZ)
GÍG	giG	1222A		MI	267	mi	GE <sub>6</sub> = GI <sub>6</sub> , GÍG, MI
GIGIR	gi o-g *	121C0		LAGAB×BAD	224		GIGIR (= LAGAB×BAD)
GÍGIR	gG	121E5		LAGAB×U	180	túl, pú	GÍGIR = PÚ = TÚL (= LAGAB×U)
GILIM	gl	12103		GI%GI	258		GILIM
GIM	gim	12076		DIM <sub>2</sub>	165		DÍM, GIM
GIN	gin	1207A		DU	128	du, (tù)	DU = GIN = RÁ = RI <sub>6</sub> , GUB, ŠA <sub>4</sub>
GÍN	du o-n *	12086		DUN <sub>3</sub> gunugunu	223		GÍN (DÙNgunu, TÙN)
GÌN	gi o-n	121B3		KUR	329	kur	KUR, GÀN, GÌN, ŠAD
GÍN (HZL 209B 'shekel')	giN	1236A		ZU	209	zu	ZU, GÍN (HZL 209B 'shekel'), ZU
gir	gir	1212B		HAgunu	244	gir, kir, piš, (paš), pùš, biš	ḪA <sub>6</sub>
GÍR	giR	12108		GIR <sub>2</sub>	6		GÍR, UL <sub>4</sub> = GIR <sub>2</sub> gunu

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
GÌR, GÌRI	gi o-r	1210A		GIR <sub>3</sub>	301		GÌR, GÌRI, NÈ
GIR <sub>15</sub>	→ tuG	12306		TUG <sub>2</sub>	212		TÚG = TU <sub>9</sub> , ÁZLAG, GI <sub>7</sub> = GIR <sub>15</sub> , ŠÈ, ZÍD = ZÌ
GIR <sub>4</sub>	gi os-r	1230B+ 1201C		U.AD	266	(mi), mé	GIR <sub>4</sub> (U.AD)
GÌRA (= NE.GI)	→ g os-b	12248+ 12100		NE.GI	169	ne, (ni <sub>5</sub> ), bil	BAR <sub>7</sub> = BIL = BIR <sub>9</sub> , BÍ, IZI, LÁM, NE, ŠEG <sub>6</sub> , ÉRIM (=NE.RU), GIBIL <sub>6</sub> , = GÌRA (= NE.GI)
GIŠ	gic	12111		GIŠ	178	ez, iz, níš	GIŠ, GISSU (= GIŠ.MI), IŠ
GÍŠ	giC	12079		DIŠ	356	diš, tiš, dáš, táš	DIŠ, GÉŠ = GÍŠ = 60, 1
GIŠIMMAR	gC	122B7		ŠA <sub>6</sub>	70		GIŠIMMAR, SA <sub>6</sub>
GISKIM	→ iGdub	12146+ 1207E		IGI.DUB	291		AGRIG = GISKIM = ISKIM (IGI.DUB)
GISSU (= GIŠ.MI)	gs	12111+ 1222A		GIŠ.MI	178	ez, iz, níš	GIŠ, GISSU (= GIŠ.MI), IŠ
git	giT	1204D		BU	339	pu, bu, gít	BU, GÍD
Glossenkeil	l.	12471			248		Glossenkeil(e)
GÚ	gu2	12118		GU <sub>2</sub>	201		GÚ, GUN (= GÚ.UN)
GÙ	gu3	12157		KA	133	ka	DU <sub>11</sub> = DUG <sub>4</sub> , GÙ, INIM, KA, KIR <sub>4</sub> , ZÚ
gu, GU	gu.	12116		GU	304	gu	GU
GU <sub>4</sub>	gu4	1211E		GUD	157	gu <sub>4</sub> (Hurr.)	GU <sub>4</sub> = GÚD [ox] = GUD(U)
gu <sub>5</sub>	gu5	121AA		KU	206	ku, (gu <sub>5</sub> )	DÚR = DÚRU = DURUN = TUŠ, TUKUL

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
GU <sub>7</sub>	gu7	12165		KA×GAR	149		GU <sub>7</sub> (KA×NÍG)
GUB	gub	1207A		DU	128	du, (tù)	DU = GIN = RÁ = RI <sub>6</sub> , GUB, ŠA <sub>4</sub>
GÙB	gu o-b	1218F		KAB	49	kab, kap, gáb, gáp	GÁB, GÙB, ƎÚB, KAB
GUD	gud	1211E		GUD	157	gu <sub>4</sub> (Hurr.)	GU <sub>4</sub> = GÚD [ox] = GUD(U)
GÚD, GUDU	guD	1211E		GUD	157		GU <sub>4</sub> = GÚD [ox] = GUD(U)
GUD <sub>8</sub>	→ hab	121B8		LAGAB	179	ḥab, ḥap	GUD <sub>8</sub> , GUR <sub>4</sub> , ƎAB, LAGAB, LÚGUD, NÍGIN, RIN
GUDU <sub>12</sub> (= IM.ME)	gu os-d	1214E+ 12228		IM.ME	337	im, em	IM, NÍ, GUDU <sub>12</sub> (= IM.ME)
GÚG	guG	12216		LU <sub>3</sub>	220		GÚG, GAR <sub>5</sub>
GUG (= ZA.GUL)	gug	1235D+ 12122		ZA.GUL	366	za	ZA, GUG (= ZA.GUL), NÍR (= ZA.GÍN)
GUKKAL + KUN	gk	121FB+ 1213E+ 121B2		LU.HUL <sub>2</sub> .KUN	252		GUKKAL + KUN (LU.ƎÚL.KUN)
gul, GUL	gul	12122		GUL	271	gul, (kúl)	GUL
gum	gum	12123		GUM	120	kum, gum	QU
GÙN	gu o-n	1206F		DAR	83		GÙN
GUN (= GÚ.UN)	gun	12118+ 12326		GU <sub>2</sub> .UN	201		GÚ, GUN (= GÚ.UN)

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
GUNNI (= KI.NE)	gn	121A0+ 12248		KI.NE	313	ki, ke, gi <sub>5</sub> , (ge <sub>5</sub> )	GI <sub>5</sub> , KI, GUNNI = (KI.NE), KARAŠ (= GÁRAŠ = KI.KAL.BAD), KISLAḪ (= KI.UD), SUR <sub>7</sub> (= KI.GAG)
gur, GUR	gur	12125		GUR	185	gur, kùr	GUR
gur, GUR	gv.	12125		GUR	185	gur, kùr	GUR
GUR <sub>10</sub>	gv0	121A5		KIN	47		GUR <sub>10</sub> , KIN
GUR <sub>4</sub>	g os-v	121B8		LAGAB	179	ḫab, ḫap	GUD <sub>8</sub> , GUR <sub>4</sub> , ḪAB, LAGAB, LÚGUD, NÍGIN, RIN
GUR <sub>4</sub>	gu os-r	121B8		LAGAB	179	ḫab, ḫap	GUD <sub>8</sub> , GUR <sub>4</sub> , ḪAB, LAGAB, LÚGUD, NÍGIN, RIN
GUR <sub>4</sub>	gv4	121B8		LAGAB	179	ḫab, ḫap	GUD <sub>8</sub> , GUR <sub>4</sub> , ḪAB, LAGAB, LÚGUD, NÍGIN, RIN
GURU <sub>21</sub> (= E.TUM)	gv1	1208A+ 12308		E.TUM	187	e	E, GURU <sub>21</sub> (= E.TUM), SIMUG (E.DÉ)
GURUN	gr	12127		GURUN	193		GURUN
GURUŠ	gvc	12197		KAL	196	kal, (gal <sub>9</sub> ), dan, tan	ESI, GURUŠ, KAL = KALA = KALAG, LAMMA
GUŠKIN (= KUG.GI)	guC *	121AC+ 12100		KU <sub>3</sub> .AN	69		KÙ, KUG, AZAG (= KUG.AN), GUŠKIN (= KUG.GI)
GUZ	guz	1221D		LUM	310	lum	GUZ, ḪUM, LUM
ḪÁ (= ḪI.A)	ha2	1212D+ 12000		HI.A	335	ḫi	DU <sub>10</sub> , DÙG, ḪI, 40 = NIMIN = NIN <sub>5</sub> , ŠÁR, ḪÁ (= ḪI.A)
ḫa, ḪA	ha.	12129		HA	367	ḫa	ḪA = KU <sub>6</sub> , ZÁḪ (= ḪA.A)

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
ḪA <sub>6</sub>	ha6	1212B	𒄀	HA <sub>gunu</sub>	244	gir, kir, piš, (paš), pùš, biš	ḪA <sub>6</sub>
ḫab, ḪAB	hab	121B8	𒄁	LAGAB	179	ḫab, ḫap	GUD <sub>8</sub> , GUR <sub>4</sub> , ḪAB, LAGAB, LÚGUD, NÍGIN, RIN
ḫad	had	1227A	𒄂	PA	174	pa, ḫad, ḫat	GIDRU, PA, UGULA, GARZA (= PA.AN), NUSKA (= PA.TÚG)
ḪÁD	haD	12313	𒄃	UD	316	ud, ut, pir	BABBAR, UD, U <sub>4</sub> , ÁD, TAM, TAM, UTU, ZALAG, BURANUN = ZIMBIR (= UD.KIB.NUN), È (= UD.DU), ZABAR (= UD.KA.BAR), ḪÁD
ḫal, ḪAL	hal	1212C	𒄄	HAL	2	ḫal	ḪAL
ḫap	hap	121B8	𒄁	LAGAB	179	ḫab, ḫap	GUD <sub>8</sub> , GUR <sub>4</sub> , ḪAB, LAGAB, LÚGUD, NÍGIN, RIN
ḫar, ḪAR	har	1212F	𒄅�	HI × AŠ <sub>2</sub>	333	ḫar, ḫur, mur	ÀR = ḪAR = ḪUR = KÍN = MUR = UR <sub>5</sub> , ARA <sub>5</sub> (= ḪAR.ḪAR)
ḫas	has	122FB	𒄄	TAR	7	tar, ḫaš	KU <sub>5</sub> = KUD, TAR
ḫaš	hac	122FB	𒄄	TAR	7	tar, ḫaš	KU <sub>5</sub> = KUD, TAR
ḪAŠḪUR	hh	12222	𒄅�	MA <sub>gunu</sub>	219		ḪAŠḪUR
ḫat	hat	1227A	𒄂	PA	174	pa, ḫad, ḫat	GIDRU, PA, UGULA, GARZA (= PA.AN), NUSKA (= PA.TÚG)
ḫé, ḪÉ	he2	120F6	𒄅�	GAN	113	ḫé, (ḫí)	GAN, ḪÉ
ḫí	hi2	120F6	𒄅�	GAN	113	ḫé, (ḫí)	GAN, ḪÉ
ḫi, ḪI	hi.	1212D	𒄃	HI	335	ḫi	DU <sub>10</sub> , DÙG, ḪI, 40 = NIMIN = NIN <sub>5</sub> , ŠÁR, ḪÁ (= ḪI.A)

→ = replacement code    ✱ = irregular code

NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
ḫu, 𐎶	hu.	12137	𐎶	HU	24	ḫu	MUŠEN
ḫÚB	huB	1218F	𐎶𐎵	KAB	49	kab, kap, gáb, gáp	GÁB, GÙB, ḫÚB, KAB
ḫub, 𐎶𐎵	hub	1213D	𐎶𐎵	HUB <sub>2</sub> × UD	50	ḫub, ḫup	ḫUB
ḫul, 𐎶𐎶	hul	12146+ 12328	𐎶𐎶	IGI.UR	290	ḫul	ḫUL (IGI.UR)
ḫum, 𐎶𐎶𐎶	hum	1221D	𐎶𐎶𐎶	LUM	310	lum	GUZ, ḫUM, LUM
ḫup	hup	1213D	𐎶𐎵	HUB <sub>2</sub> × UD	50	ḫub, ḫup	ḫUB
ḫur, 𐎶𐎶𐎵	hur	1212F	𐎶𐎶𐎵	HI × AŠ <sub>2</sub>	333	ḫar, ḫur, mur	ÀR = ḫAR = ḫUR = KÍN = MUR = UR <sub>5</sub> , ARA <sub>5</sub> (= ḫAR.ḫAR)
ḫur, 𐎶𐎶𐎵	hv.	1212F	𐎶𐎶𐎵	HI × AŠ <sub>2</sub>	333	ḫar, ḫur, mur	ÀR = ḫAR = ḫUR = KÍN = MUR = UR <sub>5</sub> , ARA <sub>5</sub> (= ḫAR.ḫAR)
ḫUŠ	huc	1212D+ 1210A	𐎶𐎶𐎶𐎶	HI.GIR <sub>3</sub>	348		ḫUŠ (ḫI.GÌR)
Ì	i3	1224C	𐎶	NI	72	ni, né, (lí)	À, IÀ = Ì, NI, ZAL, LÍ
i, I	i.	1213F	𐎶	I	217	i	I, KUN <sub>4</sub> (= I.LU)
I.A	→ ya.	12140	𐎶𐎶	I.A	218	ya	I.A
I <sub>7</sub>	i7	12000+ 121C9	𐎶𐎶𐎶	A.LAGAB × HAL	365		ÍD = I <sub>7</sub> (A.LAGAB × HAL; A.ENGUR)
IÁ	→ 5	1240A	𐎶	FIVE.DIŠ	371	5	IÁ
IÀ	→ i3	1224C	𐎶	NI	72	ni, né, (lí)	À, IÀ = Ì, NI, ZAL, LÍ
IA <sub>4</sub>	→ na4	1224C+ 12313	𐎶𐎶	NI.UD	73		IA <sub>4</sub> , NA <sub>4</sub> , ZÁ (NI.UD)

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
ÍB	iB	12308		TUM	125	tum, (dum), tu <sub>4</sub>	ÍB, TU <sub>4</sub> , ṬU <sub>4</sub>
ib, IB	ib	12141		IB	44	ib, ip, eb, ep	IB, URAŠ, URTA
id	id	12009		A <sub>2</sub>	215	id, it, ed, et	Á, TI <sub>8</sub>
ÍD	iD	12000+ 121C9		A.LAGAB×HAL	365		ÍD = I <sub>7</sub> (A.LAGAB×HAL; A.ENGUR)
IDIGNA	i o-d *	12226+ 12118+ 120FC		MAŠ.GU <sub>2</sub> .GAR <sub>3</sub>	253		IDIGNA (MAŠ.GÚ.GÀR) Note: Use UllikummiC font for this series of signs
ig	ig	12145		IG	67	ig, ik, iq, eg, ek, (eq)	GÁL, IG
IGI	iG	12146		IGI	288	ši, li, (še <sub>20</sub> )	IGI, LIM, LIM, ŠUKUR (= IGI.GAG)
IGI.DUB	iGdub	12146+ 1207E		IGI.DUB	291		AGRIG = GISKIM = ISKIM (IGI.DUB)
IGI.ÉRIN	iGeR	12146+ 1209F		IGI.ERIN <sub>2</sub>	293		SIG <sub>5</sub> (IGI.ÉRIN)
ih	ih	12134		HI×NUN	332	ah, eh, ih, uh, (əh)	AḪ, UḪ
ik	ik	12145		IG	67	ig, ik, iq, eg, ek, (eq)	GÁL, IG
IKU	iK	120F7		GAN <sub>2</sub>	61	gán, kán	GÁN, IKU
il	il	1214B		IL	117	il, (él)	
ÍL	iL	1214D		IL <sub>2</sub>	161		ÍL (= GA.GÍN)

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
il <sub>5</sub>	i os-l	12096		EL	307	el, (il <sub>5</sub> ), šik	SIKIL
ÍLDAG (= A.AM)	→ a.am	12000+ 12120		A.AM	364	a, (aya, aye)	A, DUR <sub>5</sub> = DURU <sub>5</sub> , ÀM (= A.AN), ÉR (= A.IGI), EŠA (= A.TIR), ÍLDAG
ILLAT	→ kkkur	1219C+ 121B3		KASKAL.KUR	259		KASKAL, RAŠ, DANNA (= KASKAL.BU), ILLAT (= KASKAL.KUR)
ILLIMMU	→ 9	1240E		ILIMMU	375	9	ILIMMU
im, IM	im	1214E		IM	337	im, em	IM, NÍ, GUDU <sub>12</sub> (= IM.ME)
IMIN	iM	1240C		IMIN	373	7	IMIN
in, IN	in	12154		IN	354	in, (en <sub>6</sub> )	IN
in <sub>4</sub>	i os-n	12097		EN	40	en, (in <sub>4</sub> )	EN, ENSI, IN <sub>4</sub>
INIM	iN	12157		KA	133	ka	DU <sub>11</sub> = DUG <sub>4</sub> , GÙ, INIM, KA, KIR <sub>4</sub> , ZÚ
INNANNA, INNIN	i o-n *	12239		MUŠ <sub>3</sub>	41		INANNA, INNIN
ip	ip	12141		IB	44	ib, ip, eb, ep	IB, URAŠ, URTA
iq, IQ	iq	12145		IG	67	ig, ik, iq, eg, ek, (eq)	GÁL, IG
ÌR	i o-r	12034		ARAD	16		ÈR, ARAD = ERUM = ÌR, NÍTA(H)
ir, IR	ir	12155		IR	77	ir, er	IR
is	is	12156		IŠ	151	iš, (eš <sub>15</sub> , mil, mel)	KUŠ <sub>7</sub> , SAĦAR, IŠ

→ = replacement code    \* = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
iš	→ es	1230D	𐎶	U.U.U	331	eš, (iš)	ÙŠU, <i>SÎN</i>
iš	→ ec	1230D	𐎶	U.U.U	331	eš, (iš)	ÙŠU, <i>SÎN</i>
<i>IŠ</i>	iS *	12111	𐎶	GIŠ	178	ez, iz, níš	GIŠ, GISSU (= GIŠ.MI), <i>IŠ</i>
iš, IŠ	ic	12156	𐎶	IŠ	151	iš, (eš <sub>15</sub> , mil, mel)	KUŠ <sub>7</sub> , SAḤAR, IŠ
IŠIB	i o-c *	12228	𐎶	ME	357	me, (mi)	ME, IŠIB, <i>MĒ</i>
ISKIM	→ iGdub	12146+ 1207E	𐎶𐎶	IGI.DUB	291		AGRIG = GISKIM = ISKIM (IGI.DUB)
IŠTAR	iC	1230B+ 1206F	𐎶𐎶	U.DAR	263		<i>IŠTAR</i> (U.DAR)
ITI, ITU	iT	12317	𐎶	UD×U+U+U	84		ITI, ITU (UD×EŠ)
iz	iz	12111	𐎶	GIŠ	178	ez, iz, níš	GIŠ, GISSU (= GIŠ.MI), <i>IŠ</i>
IZI	iZ	12248	𐎶	NE	169	ne, (ni <sub>5</sub> ), bil	BAR <sub>7</sub> = BIL = BIR <sub>9</sub> , BÍ, IZI, LÁM, NE, ŠEG <sub>6</sub> , ÉRIM (= NE.RU), <i>GIBIL</i> <sub>6</sub> , = <i>GÌRA</i> (= NE.GI)
KÁ	ka2	1218D	𐎶	KA <sub>2</sub>	167		KÁ, ABUL
KÀ	ka3	120B5	𐎶	GA	159	ga	GA, KÀ
ka, KA	ka.	12157	𐎶	KA	133	ka	DU <sub>11</sub> = DUG <sub>4</sub> , GÙ, INIM, KA, KIR <sub>4</sub> , ZÚ
KA×A	kxa	12158	𐎶	KA×A	148		NAG (KA×A)
KA×ÀŠ	kx o-a	100005	𐎶	KA×AŠ <sub>3</sub>	150		KA×ÀŠ
KA×BAR	kxb	1215E	𐎶	KA×BAR	134		UKKIN = UNKIN (KA×BAR)

→ = replacement code    \* = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
KA × GAR	→ kxN	12165		KA × GAR	149		GU <sub>7</sub> (KA × NÍG)
KA × GIŠ	kxg	100003		KA × GIŠ	139		KA × GIŠ
KA × IM	kxi	1216E		KA × IM	144		BÚN (KA × IM)
KA × KAK (= KA × GAG)	kxk	1216F		KA × KAK	140		KIR <sub>14</sub> (= KA × GAG)
KA × LI	→ tu6	12172		KA × LI	146		MU <sub>7</sub> = TU <sub>6</sub> (KA × LI)
KA × LUM	kxl	100004		KA × LUM	142		KA × LUM
KA × ME	kxm	12174		KA × ME	147		EME (KA × ME)
KA × NÍG	kxN	12165		KA × GAR	149		GU <sub>7</sub> (KA × NÍG)
KA × NÍR	kXN	12165		KA × GAR	149		GU <sub>7</sub> (KA × NÍG)
KA × NUN	kxn	1217B		KA × NUN	135		NUNDUM, NUNDUN (= KA × NUN)
KA × PA	kxp	100002		KA × PA	138		KA × PA
KA × SA	kxs	1217E		KA × SA	136		SU <sub>6</sub> (= KA × SA)
KA × ŠE	kxc	12181		KA × ŠE	145		TÚKUR (KA × ŠE)
KA × U	kxu	12187		KA × U	141		KA × U
KA × UD	→ zu9	12189		KA × UD	143		ZU <sub>9</sub> (KA × UD)
KA × ÚR	kxV	100001		KA × UR <sub>2</sub>	137		KA × ÚR
ka <sub>4</sub>	ka4	122E1		SILA <sub>3</sub>	21	qa, ga <sub>5</sub> , ka <sub>4</sub>	SÀL (SAL <sub>4</sub> ), SÀLA, SÌLA, SAGI, = SÌLA.ŠU.DUḪ

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
KA <sub>5</sub>	ka5	10000A		LUL (variant)	351		KA5 , LUL (cf. NAR 1221C, n.19)
kab, KAB	kab	1218F		KAB	49	kab, kap, gáb, gáp	GÁB, GÙB, ĤÚB, KAB
kad	kad	120F0		GAD	173	gad, gat, kad, kat	GAD = GADA
KAK	kak	12195		KAK	75		DÙ = RÚ, GAG
kál	kaL	120F2		GAL	242	gal, (kál)	GAL
kal, KAL	kal	12197		KAL	196	kal, (gal <sub>9</sub> ), dan, tan	ESI, GURUŠ, KAL = KALA = KALAG, LAMMA
KALA	→ kal	12197		KAL	196	kal, (gal <sub>9</sub> ), dan, tan	ESI, GURUŠ, KAL = KALA = KALAG, LAMMA
KALAG	→ kal	12197		KAL	196	kal, (gal <sub>9</sub> ), dan, tan	ESI, GURUŠ, KAL = KALA = KALAG, LAMMA
kam, KAM	kam	12130		HI × BAD	355	kam, (gám)	KAM, TU <sub>7</sub> , ÚTUL
kán	kaN	120F7		GAN <sub>2</sub>	61	gán, kán	GÁN, IKU
kap	kap	1218F		KAB	49	kab, kap, gáb, gáp	GÁB, GÙB, ĤÚB, KAB
kàr	ka o-r	120FC		GAR <sub>3</sub>	240	gàr, kàr	GÀR
kar, KAR	kar	122FC+ 12000		TE.A	250	kar, (kir <sub>8</sub> )	KAR (TE.A) Note: Use UllikummiC for TE in this sign
KARAŠ (= KI.KAL.BAD)	kr	121A0+ 12197+ 12041		KI.KAL.BAD	313	ki, ke, gi <sub>5</sub> , (ge <sub>5</sub> )	GI <sub>5</sub> , KI, GUNNI = (KI.NE), KARAŠ (= GÁRAŠ = KI.KAL.BAD), KISLAĤ (= KI.UD), SUR <sub>7</sub> (= KI.GAG)
kas	kas	12049		BI	153	pí, pé, bi, be, kaš, gaš	BI, KAŠ

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
kaš, KAŠ	<a href="#">kac</a>	12049	𐎠	BI	153	pí, pé, bi, be, kaš, gaš	BI, KAŠ
KAŠ <sub>4</sub>	<a href="#">ka os-c</a>	1207D	𐎠𐎠	DUšešig	129		KAŠ <sub>4</sub>
KASKAL	<a href="#">kk</a>	1219C	𐎠𐎠𐎠	KASKAL	259		KASKAL, RAŠ, DANNA (= KASKAL.BU), ILLAT (= KASKAL.KUR)
kat	<a href="#">kat</a>	120F0	𐎠𐎠	GAD	173	gad, gat, kad, kat	GAD = GADA
ke	<a href="#">ke.</a>	121A0	𐎠	KI	313	ki, ke, gi <sub>5</sub> , (ge <sub>5</sub> )	GI <sub>5</sub> , KI, GUNNI = (KI.NE), KARAŠ (= GÁRAŠ = KI.KAL.BAD), KISLAḪ (= KI.UD), SUR <sub>7</sub> (= KI.GAG)
KE <sub>4</sub>	<a href="#">ke4</a>	121A4	𐎠𐎠	KID	194	kid	LÍL, GÉ = KID, KE <sub>4</sub> , <i>KID</i>
KÉŠ	<a href="#">keC</a>	1219F	𐎠𐎠𐎠	KEŠ <sub>2</sub>	106		KÉŠ = KEŠDA, SÀR, ŠÈR, SÌR, ŠÌR, <i>SÌR</i> , <i>ŠÌR</i>
KEŠDA	<a href="#">kd</a>	1219F	𐎠𐎠𐎠	KEŠ <sub>2</sub>	106		KÉŠ = KEŠDA, SÀR, ŠÈR, SÌR, ŠÌR, <i>SÌR</i> , <i>ŠÌR</i>
ki, KI	<a href="#">ki.</a>	121A0	𐎠	KI	313	ki, ke, gi <sub>5</sub> , (ge <sub>5</sub> )	GI <sub>5</sub> , KI, GUNNI = (KI.NE), KARAŠ (= GÁRAŠ = KI.KAL.BAD), KISLAḪ (= KI.UD), SUR <sub>7</sub> (= KI.GAG)
kib, KIB	<a href="#">kib</a>	12112	𐎠𐎠𐎠	GIŠ%GIŠ	260	kib, kip	KIB, ŠENNUR
kid, KID, <i>KID</i>	<a href="#">kid</a>	121A4	𐎠𐎠	KID	194	kid	LÍL, GÉ = KID, KE <sub>4</sub> , <i>KID</i>
KIN	<a href="#">kin</a>	121A5	𐎠𐎠	KIN	47		GUR <sub>10</sub> , KIN
KÍN	<a href="#">kiN</a>	1212F	𐎠𐎠	HI × AŠ <sub>2</sub>	333	ḫar, ḫur, mur	ÀR = ḪAR = ḪUR = KÍN = MUR = UR <sub>5</sub> , ARA <sub>5</sub> (= ḪAR.ḪAR)
kip	<a href="#">kip</a>	12112	𐎠𐎠𐎠	GIŠ%GIŠ	260	kib, kip	KIB, ŠENNUR

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
kir	kir	1212B		HAgunu	244	gir, kir, piš, (paš), pùš, biš	HA <sub>6</sub>
KIR <sub>14</sub>	ki os-r	1216F		KA × KAK	140		KIR <sub>14</sub> (= KA × GAG)
KIR <sub>4</sub>	→ ka.	12157		KA	133	ka	DU <sub>11</sub> = DUG <sub>4</sub> , GÙ, INIM, KA, KIR <sub>4</sub> , ZÚ
kir <sub>8</sub>	→ kar	122FC+ 12000		TE.A	250	kar, (kir <sub>8</sub> )	KAR (TE.A) Note: Use UllikummiC for TE in this sign
KIRI <sub>6</sub>	→ sar	122AC		SAR	353	šar, (šir <sub>9</sub> )	KIRI <sub>6</sub> , MÚ, SAKAR, SAR, ŠAR
kis	kis	121A7		KIŠ	273	kiš	KIŠ
kiš, KIŠ	kic	121A7		KIŠ	273	kiš	KIŠ
KISAL	ks	121A6		KISAL	228		KISAL
KIŠI <sub>16</sub> (= Ú.GÍR)	ki os-c	12311+ 12108		U <sub>2</sub> .GIR <sub>2</sub>	195	ú, (šam)	KÙŠ, Ú, KIŠI <sub>16</sub> (= Ú.GÍR), UGA (= Ú. <sup>TE</sup> TÈ.GA), ŠAM
KIŠIB	kc	1207E		DUB	99	tub, tup (dup, dub)	DUB, KIŠIB, ṬUP
KISIM <sub>5</sub>	k os-s	121A8		KISIM <sub>5</sub>	278		KISIM <sub>5</sub>
KISIM <sub>5</sub> × Ú.MAŠ	k o-s *	100007		KISIM <sub>5</sub> × U <sub>2</sub> .MAŠ	283		KISIM <sub>5</sub> × Ú.MAŠ
KISLAḪ (= KI.UD)	kl	121A0+ 12313		KI.UD	313	ki, ke, gi <sub>5</sub> , (ge <sub>5</sub> )	GI <sub>5</sub> , KI, GUNNI = (KI.NE), KARAŠ (= GÁRAŠ = KI.KAL.BAD), KISLAḪ (= KI.UD), SUR <sub>7</sub> (= KI.GAG)
KÙ	ku3	121AC		KU <sub>3</sub>	69		KÙ, KUG, AZAG (= KUG.AN), GUŠKIN (= KUG.GI)
ku, KU	ku.	121AA		KU	206	ku, (gu <sub>5</sub> )	DÚR = DÚRU = DURUN = TUŠ, TUKUL

→ = replacement code    \* = irregular code

NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
KU <sub>5</sub>	ku5	122FB		TAR	7	tar, ḫaš	KU <sub>5</sub> = KUD, TAR
KU <sub>6</sub>	ku6	12129		HA	367	ḫa	ḪA = KU <sub>6</sub> , ZÁḪ (= ḪA.A)
KU <sub>7</sub>	ku7	121AF		KU <sub>7</sub>	184		KU <sub>7</sub> (= KURUŠ)
KUD	kud	122FB		TAR	7	tar, ḫaš	KU <sub>5</sub> = KUD, TAR
KUG	kug	121AC		KU <sub>3</sub>	69		KÙ, KUG, AZAG (= KUG.AN), GUŠKIN (= KUG.GI)
kúl	kuL	12122		GUL	271	gul, (kúl)	GUL
kuL, KUL	kuL	121B0		KUL	12	kuL	KUL, NUMUN
kum	kum	12123		GUM	120	kum, gum	QU
KUN	kun	121B2		KUN	35		KUN
KUN <sub>4</sub> (= I.LU)	ku os-n	1213F+ 12037		I.LU	217	i	I, KUN <sub>4</sub> (= I.LU)
KUN <sub>5</sub> (= TUR.TÚG)	→ turtuG	12309+ 12306		TUR.TUG <sub>2</sub>	237		DUMU, TUR, KUN <sub>5</sub> (= TUR.TÚG)
KÚR	kuR	1227D		PAP	256		KÚR, PAB, PA <sub>5</sub> (= PAB.E)
kùr	ku o-r	12125		GUR	185	gur, kùr	GUR
kur, KUR	kur	121B3		KUR	329	kur	KUR, GÀN, GÌN, ŠAD
KÚRUN	kR	12077		DIN	330	tin, (tén, tan <sub>x</sub> )	KÚRUN, TIN, GAMUN (= DIN.TIR)
KURUŠ	kvc	121AF		KU <sub>7</sub>	184		KU <sub>7</sub> (= KURUŠ)

→ = replacement code    ✱ = irregular code

NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
KUŠ	kuc	122E2		SU	213		KUŠ, SU, <i>SU</i>
KÙŠ	ku o-c	12311		U <sub>2</sub>	195	ú, (šam)	KÙŠ, Ú, KIŠI <sub>16</sub> (= Ú.GÍR), UGA (= Ú. <sup>TE</sup> TÈ.GA), ŠAM
KUŠ <sub>7</sub>	ku os-c	12156		IŠ	151	iš, (eš <sub>15</sub> , mil, mel)	KUŠ <sub>7</sub> , SAḪAR, IŠ
LÁ	la2	121F2		LAL	358	lal	LAL, LÁ
la, LA	la.	121B7		LA	95	la	LA
LA <sub>5</sub>	la5	121F3		LAL × LAL	362		LA <sub>5</sub>
LAGAB	lag *	121B8		LAGAB	179	ḫab, ḫap	GUD <sub>8</sub> , GUR <sub>4</sub> , ḪAB, LAGAB, LÚGUD, NÍGIN, RIN
LAGAB × SUM	→ zar	121E1		LAGAB × SUM	181		LAGAB × SUM = ZAR
LAGAR	lr *	121EC		LAGAR	186		LAGAR
LÀḪ	la o-h	1221B		LUH	198	luḫ	LÀḪ = LUḪ, SUKKAL
LAḪ <sub>4</sub>	la os-h	1207B		DU/DU	236		LAḪ <sub>4</sub> (= DU/DU)
LAḪTA	lt	12064		DAG.KISIM <sub>5</sub> × LA	232		LAḪTA (E <sup>1</sup> KISIM <sub>5</sub> × LA) = DAG.KISIM <sub>5</sub> × LA
LÀL	la o-l	122ED		TA × HI	170		LÀL
lal, LAL	lal	121F2		LAL	358	lal	LAL, LÁ
LAM	lam	121F4		LAM	306	lam	LAM
LÁM	laM	12248		NE	169	ne, (ni <sub>5</sub> ), bil	BAR <sub>7</sub> = BIL = BIR <sub>9</sub> , BÍ, IZI, LÁM, NE, ŠEG <sub>6</sub> , ÉRIM (= NE.RU), GIBIL <sub>6</sub> , = GÌRA (= NE.GI)

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
LAMMA	lm	12197		KAL	196	kal, (gal <sub>9</sub> ), dan, tan	ESI, GURUŠ, KAL = KALA = KALAG, LAMMA
le, LE	le.	121F7		LI	343	li, le	LE, LI, ÈN
LÍ	li2	1224C		NI	72	ni, né, (lí)	À, IÀ = Ì, NI, ZAL, LÍ
li	li3	12146		IGI	288	ši, li, (še <sub>20</sub> )	IGI, LIM, LIM, ŠUKUR (= IGI.GAG)
li, LI	li.	121F7		LI	343	li, le	LE, LI, ÈN
li <sub>12</sub>	li1	121FA		LIŠ	286	liš, li <sub>12</sub>	DÍLI = DÍLIM, LIŠ
li <sub>13</sub> (Hurr.)	→ gb	1224B		NEšešig	172	píl, bíl, (pél), Hurr. li <sub>13</sub>	GIBIL
LIBIR	lb	12147		IGI.EŠ <sub>2</sub>	265		Ù, LIBIR, Û
lig	lig	12328		UR	51	ur, lik, lig, (liq); Hurr. tíš	TÉŠ, UR, TAŠ
lik	lik	12328		UR	51	ur, lik, lig, (liq); Hurr. tíš	TÉŠ, UR, TAŠ
LIL	li1	121F8		LIL	127		LIL
LÍL	liL	121A4		KID	194	kid	LÍL, GÉ = KID, KE <sub>4</sub> , KID
LIM, LIM	lim	12146		IGI	288	ši, li, (še <sub>20</sub> )	IGI, LIM, LIM, ŠUKUR (= IGI.GAG)
LIMMU	→ 4	12409		FOUR.DIŠ	370	4	LIMMU

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
LÍMMU	lm	122F0	𐎠	TAB	90	tap, tab	TAB, LÍMMU
liq	liq	12328	𐎡	UR	51	ur, lik, lig, (liq); Hurr. tíš	TÉŠ, UR, TAŠ
lis	lis	121FA	𐎢	LIŠ	286	liš, li <sub>12</sub>	DÍLI = DÍLIM, LIŠ
liš, LIŠ	lic	121FA	𐎢	LIŠ	286	liš, li <sub>12</sub>	DÍLI = DÍLIM, LIŠ
LÚ	lu2	121FD	𐎣	LU <sub>2</sub>	78		LÚ
LÙ	lu3	12216	𐎤	LU <sub>3</sub>	221		LÙ
lu, LU	lu.	12073	𐎥	LU (DIB)	210	lu; Hurr. dib	DAB = DIB, DUL <sub>8</sub> , LU, UDU
LUGAL	lg	12217	𐎦	LUGAL	115		LUGAL, ŠAR
LÚGUD	lg	121B8	𐎧	LAGAB	179	ḡab, ḡap	GUD <sub>8</sub> , GUR <sub>4</sub> , ḤAB, LAGAB, LÚGUD, NÍGIN, RIN
luḡ, LUḡ	luh	1221B	𐎨	LUH	198	luḡ	LÀḤ = LUḤ, SUKKAL
LUL	lul	10000A	𐎩	LUL (variant)	351		KA5 , LUL (cf. NAR 1221C, n.19)
lum, LUM	lum	1221D	𐎪	LUM	310	lum	GUZ, ḤUM, LUM
LUNGA	lun *	122C6	𐎫	ŠIM	154		LUNGA, ŠEM = ŠIM
MÁ	ma2	12223	𐎬	MA <sub>2</sub>	87		MÁ
ma, MA	ma.	12220	𐎬	MA	208	ma	MA, PÈŠ
MAḤ, MAḤ	mah	12224	𐎭	MAH	10	maḡ	MAḤ, MAḤ

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
MAL	mal	120B7	𐎠	GA <sub>2</sub>	56		GÁ = PISAN, MAL
man	man	1230B+ 1230B	𐎡	U.U	296	man, (20)	MÀN, MÌN, NEŠ = NIŠ
MÀN	ma o-n	1230B+ 1230B	𐎡	U.U	296	man, (20)	MÀN, MÌN, NEŠ = NIŠ
mar, MAR	mar	12225	𐎢	MAR	191	mar	MAR
MAŠ	mac	12047	𐎣	BAR (MAŠ variant)	20	pár, bar	BÁN, BAR, MAŠ, MÁŠDA (= MAŠ.EN.GAG)
MÁŠ	maC	12227	𐎣*	MAŠ <sub>2</sub>	38		MÁŠ
MÁŠDA (=MAŠ.EN.GAG)	mD	12047+ 12097+ 12195	𐎣𐎠𐎡	MAŠ.EN.KAK	20	pár, bar	BÁN, BAR, MAŠ, MÁŠDA (= MAŠ.EN.GAG)
MAŠKIM	mk	1227A+ 1207D	𐎣𐎠	PA.DUšešig	176		MAŠKIM (= PA.KAŠ <sub>4</sub> )
mé	me2	1230B+ 1201C	𐎣	U.AD	266	(mi), mé	GIR <sub>4</sub> (U.AD)
MÈ	me3	1201E	𐎣𐎠	AK × ERIN <sub>2</sub>	82		MÈ
me, ME	me.	12228	𐎣	ME	357	me, (mi)	ME, IŠIB, MĒ
mel	mel	12156	𐎣	IŠ	151	iš, (eš <sub>15</sub> , mil, mel)	KUŠ <sub>7</sub> , SAḪAR, IŠ
mes	mes	12228+ 1230D	𐎣𐎠	ME.U.U.U	360	meš, (eš <sub>17</sub> )	MEŠ
meš, MEŠ	mec	12228+ 1230D	𐎣𐎠	ME.U.U.U	360	meš, (eš <sub>17</sub> )	MEŠ
MÍ	mi2	122A9	𐎣	SAL	297	šal	MUNUS = MÍ, SAL, NÀTA = NÌTA

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
mi (= mé)	→ me2	1230B+ 1201C		U.AD	266	(mi), mé	GIR <sub>4</sub> (U.AD)
mi, MI	mi.	1222A		MI	267	mi	GE <sub>6</sub> = GI <sub>6</sub> , GÍG, MI
mil	mil	12156		IŠ	151	iš, (eš <sub>15</sub> , mil, mel)	KUŠ <sub>7</sub> , SAḤAR, IŠ
MÌN	mi o-n	1230B+ 1230B		U.U	296	man, (20)	MÀN, MÌN, NEŠ = NIŠ
MIR	mir	12216		LU <sub>3</sub>	222		NIMGIR (MIR, DÙNgunugunu, cf. 96 UKU 12087)
mis, MIS	mic	12229		MES	112	miš	MES, MIS, MIŠ
mis, MIS	mis	12229		MES	112	miš	MES, MIS, MIŠ
MIT	mit	12041		BAD	13	pát, pád, píd, pít, pè, pì	BAD, BE, SUMUN = SUN, TIL, ÚŠ, BE, BAD, MIT
MÚ	mu2	122AC		SAR	353	šar, (šir <sub>9</sub> )	KIRI <sub>6</sub> , MÚ, SAKAR, SAR, ŠAR
mu, MU	mu.	1222C		MU	17	mu	MU, MUḤALDIM
MU <sub>7</sub>	mu7	12172		KA × LI	146		MU <sub>7</sub> = TU <sub>6</sub> (KA × LI)
MUD	mud	12137+ 1212D		HU.HI	26		MUD (ḤU.ḤI)
MUD <sub>4</sub>	mu os-d	121AA+ 1230B+ 12195		KUH.U.KAK	207		MUD4 (KUḤ.U.KAK)
MUG	mug	1222E		MUG	22		MUG
MUḤALDIM	mh	1222C		MU	17	mu	MU, MUḤALDIM

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
MUL	mul	1202F+ 1202D		AN/AN.AN	101		MUL (AN/AN.AN), <i>MUL</i>
MUN	mun	12075		DIM × ŠE	18		MUN
MUNU <sub>8</sub>	mu os-n	1227D+ 1227D		PAP.PAP	257		BÙLUG = DIM <sub>4</sub> = MUNU8 (PAP.PAP): Use UllikummiC for this sign
MUNUS	mn	122A9		SAL	297	šal	MUNUS = MÍ, SAL, NÀTA = NÌTA
mur, MUR	mur	1212F		HI × AŠ <sub>2</sub>	333	ḫar, ḫur, mur	ÀR = ḪAR = ḪUR = KÍN = MUR = UR <sub>5</sub> , ARA <sub>5</sub> (= ḪAR.ḪAR)
MUR <sub>7</sub>	mv7	122DE		SIG <sub>4</sub>	311		MUR <sub>7</sub> = MURGU, SIG <sub>4</sub>
MUR <sub>7</sub>	mu os-r	122DE		SIG <sub>4</sub>	311		MUR <sub>7</sub> = MURGU, SIG <sub>4</sub>
MURGU	mg	122DE		SIG <sub>4</sub>	311		MUR <sub>7</sub> = MURGU, SIG <sub>4</sub>
MÚRU	muR	12318		UD × U + U + Ugunu	110		MÚRU = MURUB <sub>4</sub>
MÚRU	mV	12318		UD × U + U + Ugunu	110		MÚRU = MURUB <sub>4</sub>
MURUB <sub>4</sub>	m os-r	12318		UD × U + U + Ugunu	110		MÚRU = MURUB <sub>4</sub>
MURUB <sub>4</sub>	m os-v	12318		UD × U + U + Ugunu	110		MÚRU = MURUB <sub>4</sub>
MUŠ	muc	12232		MUŠ	342		MUŠ
MUŠ <sub>3</sub>	mu o-c	12239		MUŠ <sub>3</sub>	41		INANNA, INNIN
MUŠEN	mc	12137		HU	24	ḫu	MUŠEN

→ = replacement code    ✱ = irregular code

NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
NÁ	na2	1223F		NA <sub>2</sub>	314		NÁ = NÚ = NUD
na, NA	na.	1223E		NA	15	na	NA
NA <sub>4</sub>	na4	1224C+ 12313		NI.UD	73		IA <sub>4</sub> , NA <sub>4</sub> , ZÁ (NI.UD)
nab	nab	1202E		AN/AN	100	nab, nap	AN/AN
NAG	nag	12158		KA × A	148		NAG (KA × A)
NAGA	naG	12240		NAGA	352		NAGA, NÍDABA = NÍSABA, DALĤAMUN <sub>4</sub>
NAGAR	nr *	12244		NAGAR	308		NAGAR
nam, NAM	nam	12246		NAM	39	nam	NAM, SIM = SÍN, BURU <sub>5</sub> = BUR <sub>6</sub> = BURU <sub>6</sub>
nap	nap	1202E		AN/AN	100	nab, nap	AN/AN
NAR	nar	1221C		LUL	19		NAR
nàr	na o-r	1226A		NUN/NUN	204	nir, (nàr)	NIR (= NUN/NUN)
NÀTA (= MUNUS.UŠ)	na o-t	122A9+ 12351		SAL.UŠ	297	šal	MUNUS = MÍ, SAL, NÀTA = NÌTA
né	ne2	1224C		NI	72	ni, né, (lí)	À, IÀ = Ì, NI, ZAL, LÍ
NÈ	ne3	1210A		GIR <sub>3</sub>	301		GÌR, GÌRI, NÈ
ne, NE	ne.	12248		NE	169	ne, (ni <sub>5</sub> ), bil	BAR <sub>7</sub> = BIL = BIR <sub>9</sub> , BÍ, IZI, LÁM, NE, ŠEG <sub>6</sub> , ÉRIM (= NE.RU), GIBIL <sub>6</sub> , = GÌRA (= NE.GI)
né <sub>e</sub> (Hurr.)	nee, neE	1224D			76	né <sub>e</sub> (Hurr.)	

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
NEŠ	nec	1230B+ 1230B	𒀭	U.U	296	man, (20)	MÀN, MÌN, NEŠ = NIŠ
NÍ	ni2	1214E	𒀭	IM	337	im, em	IM, NÍ, GUDU <sub>12</sub> (= IM.ME)
ni, NI	ni.	1224C	𒀭	NI	72	ni, né, (lí)	À, IÀ = Ì, NI, ZAL, LÍ
ni <sub>5</sub>	ni5	12248	𒀭	NE	169	ne, (ni <sub>5</sub> ), bil	BAR <sub>7</sub> = BIL = BIR <sub>9</sub> , BÍ, IZI, LÁM, NE, ŠEG <sub>6</sub> , ÉRIM (=NE.RU), GIBIL <sub>6</sub> , = GÌRA (= NE.GI)
NIB	nib	1228B	𒀭	PIRIG × KAL	94		NIB
NIDABA	niD	122BA+ 12240	𒀭	ŠE.NAGA	345	niš	NIDABA = NISABA = TÈ (ŠE.NAGA)
NÍDABA	→ naG	12240	𒀭	NAGA	352		NAGA, NÍDABA = NÍSABA, DALĤAMUN <sub>4</sub>
NÍG	niG	120FB	𒀭	GAR	369	šá	GAR, NÍG, NINDA, ŠÁ
NIGA	nig *	122BA	𒀭	ŠE	338	še	NIGA = NIGU, ŠE
NÍGIN	nG	121B8	𒀭	LAGAB	179	ḫab, ḫap	GUD <sub>8</sub> , GUR <sub>4</sub> , ḫAB, LAGAB, LÚGUD, NÍGIN, RIN
NIGU	nig	122BA	𒀭	ŠE	338	še	NIGA = NIGU, ŠE
NIM, <i>nim</i> (Hurr.)	nim	1224F	𒀭	NIM	74	nim (Hurr.)	DÀḫ, ELAM, NIM = DÌḫ
NIMGIR	ng	12216	𒀭	LU <sub>3</sub>	222		NIMGIR (MIR, DÙNgunugunu, cf. 96 UKU 12087)
NIMIN	niM *	1212D	𒀭	HI	335	ḫi	DU <sub>10</sub> , DÙG, ḫI, 40 = NIMIN = NIN <sub>5</sub> , ŠÁR, ḫÁ (= ḫI.A)
NIN (= MUNUS.TÚG)	nin	122A9+ 12306	𒀭	SAL.TÚG	299		NIN <sub>9</sub> (MUNUS.KU), NIN = EREŠ (MUNUS.TÚG)
NIN <sub>5</sub>	→ hi.	1212D	𒀭	HI	335	ḫi	DU <sub>10</sub> , DÙG, ḫI, 40 = NIMIN = NIN <sub>5</sub> , ŠÁR, ḫÁ (= ḫI.A)

→ = replacement code    \* = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
NIN <sub>9</sub> (= MUNUS.KU)	ni os-n	122A9+ 12306		SAL.KU	299		NIN <sub>9</sub> (MUNUS.KU), NIN = EREŠ (MUNUS.TÚG)
NINDA	nd	120FB		GAR	369	šá	GAR, NÍG, NINDA, ŠÁ
NÍNDA	nD	12252		NINDA <sub>2</sub>	119		NÍNDA
NINNU	→ shift-5	12410		FIVE.U	347	50	NINNU
NÍR (= ZA.GÍN)	niR	1235D+ 12086		ZA. DUN <sub>3</sub> gunugunu	366		ZA, GUG (= ZA.GUL), NÍR (= ZA.GÍN)
NIR, nir	nir	1226A		NUN/NUN	204	nir, (nàr)	NIR (= NUN/NUN)
nis	nis	122BA+ 12240		ŠE.NAGA	345	niš	NIDABA = NISABA = TÈ (ŠE.NAGA)
niš	→ nis	122BA+ 12240		ŠE.NAGA	345	niš	NIDABA = NISABA = TÈ (ŠE.NAGA)
nís	niS	12111		GIŠ	178	ez, iz, niš	GIŠ, GISSU (= GIŠ.MI), IŠ
níš	niC	12111		GIŠ	178	ez, iz, niš	GIŠ, GISSU (= GIŠ.MI), IŠ
NIŠ	nic	1230B+ 1230B		U.U	296	man, (20)	MÀN, MÌN, NEŠ = NIŠ
NISABA	ns	122BA+ 12240		ŠE.NAGA	345	niš	NIDABA = NISABA = TÈ (ŠE.NAGA)
NÍSABA	nS	12240		NAGA	352		NAGA, NÍDABA = NÍSABA, DALĤAMUN <sub>4</sub>
NITA	→ nt	12351		UŠ	132	uš	NITA = NITAĤ, UŠ, GALA
NÍTA	niT	12034		ARAD	16		ÈR, ARAD = ERUM = ÌR, NÍTA(Ĥ)
NÌTA (= MUNUS.UŠ)	ni o-t	122A9+ 12351		SAL.UŠ	297	šal	MUNUS = MÍ, SAL, NÀTA = NÌTA (= MUNUS.UŠ)

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
NITAḪ	nt	12351		UŠ	132	uš	NITA = NITAḪ, UŠ, ÚŠ, GALA
NÍTAḪ	nT	12034		ARAD	16		ÈR, ARAD = ERUM = ÌR, NÍTA(Ḫ)
NÚ	nu2	1223F		NA <sub>2</sub>	314		NÁ = NÚ = NUD
nu, NU	nu.	12261		NU	11	nu	NU, ŪL, UL
NU <sub>11</sub>	nu1	122D3		ŠIR	5	šir, šar <sub>x</sub>	NU <sub>11</sub> , SIR <sub>4</sub> , ŠIR
NUD	nud	1223F		NA <sub>2</sub>	314		NÁ = NÚ = NUD
NUMUN	nm	121B0		KUL	12	kul	KUL, NUMUN
NUN	nun	12263		NUN	36		NUN
NUNDUM, NUNDUN	nuD *	1217B		KA × NUN	135		NUNDUM, NUNDUN (= KA × NUN)
NUNUZ	nn	1226D		NUNUZ	328		NUNUZ ('ÉRIN' or 'RÍN')
NUSKA (= PA.TÚG)	nk	1227A+ 12306		PA.TÚG	174	pa, ḫad, ḫat	GIDRU, PA, UGULA, GARZA (= PA.AN), NUSKA (= PA.TÚG)
pá	pa2	12040		BA	205	ba, (pá)	BA
pà	pa3	12146+ 12292		IGI.RU	292	pà	IGI.RU
pa, PA	pa.	1227A		PA	174	pa, ḫad, ḫat	GIDRU, PA, UGULA, GARZA (= PA.AN), NUSKA (= PA.TÚG)
PA <sub>5</sub> (= PAB.E)	pa5	1227D+ 1208A		PAP.E	256		KÚR, PAB, PA <sub>5</sub> (= PAB.E)
PAB	pab	1227D		PAP	256		KÚR, PAB, PA <sub>5</sub> (= PAB.E)

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
PAB.ĤAL	pabhal	1227D + 1212C		PAP.HAL	257		PAB.ĤAL: Use UllikummiB for this sign
PAD	pad	1227B		PAD	295		PAD
pád	paD	12041		BAD	13	pát, pád, píd, pít, pè, pì	BAD, BE, SUMUN = SUN, TIL, ÚŠ, BE, BAD, MIT
pal	pal	12044		BAL	4	bal, pal	BAL
PAN	pan	1227C		PAN	118		PAN
PAP	pap	1227D		PAP	256		KÚR, PAB, PA <sub>5</sub> (= PAB.E)
PAP.ĤAL	paphal	1227D + 1212C		PAP.HAL	257		PAB.ĤAL: Use UllikummiB for this sign
pár	paR	12047		BAR (MAŠ variant)	20	pár, bar	BÁN, BAR, MAŠ, MÁŠDA (= MAŠ.EN.GAG)
PÀRIG = PÌRIG	p o - r	1228C		PIRIG × UD	93	ug, uk, uq	UG, PÀRIG, PÌRIG
pas	pas	1212B		HAgunu	244	gir, kir, piš, (paš), pùš, biš	ĤA <sub>6</sub>
paš	pac	1212B		HAgunu	244	gir, kir, piš, (paš), pùš, biš	ĤA <sub>6</sub>
paš	pac	1212B		HAgunu	244	gir, kir, piš, (paš), pùš, biš	ĤA <sub>6</sub>
PÀSAN = PÌSAN	p o - s	122BF		ŠEN	230		PÀSAN = PÌSAN, DUR <sub>10</sub> = ŠEN, ALAL

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
pát	paT	12041	𐎶	BAD	13	pát, pád, píd, pít, pè, pì	BAD, BE, SUMUN = SUN, TIL, ÚŠ, <i>BE, BAD, MIT</i>
pé	pe2	12049	𐎶	BI	153	pí, pé, bi, be, kaš, gaš	BI, KAŠ
pè	pe3	12041	𐎶	BAD	13	pát, pád, píd, pít, pè, pì	BAD, BE, SUMUN = SUN, TIL, ÚŠ, <i>BE, BAD, MIT</i>
pél	peL	1224B	𐎶	NEšešig	172	píl, bíl, (pél), Hurr. li <sub>13</sub>	GIBIL
PÉŠ	peC	1227E	𐎶	PEŠ <sub>2</sub>	3		PÉŠ, PÍŠ
PÉŠ	piC	1227E	𐎶	PEŠ <sub>2</sub>	3		PÉŠ, PÍŠ
PÈŠ	pe o-c	12220	𐎶	MA	208	ma	MA, PÈŠ
PI	pi.	1227F	𐎶	PI	317	wa	GEŠTU, GEŠTUG, TÁL
pí	pi2	12049	𐎶	BI	153	pí, pé, bi, be, kaš, gaš	BI, KAŠ
pì	pi3	12041	𐎶	BAD	13	pát, pád, píd, pít, pè, pì	BAD, BE, SUMUN = SUN, TIL, ÚŠ, <i>BE, BAD, MIT</i>
píd	piD	12041	𐎶	BAD	13	pát, pád, píd, pít, pè, pì	BAD, BE, SUMUN = SUN, TIL, ÚŠ, <i>BE, BAD, MIT</i>
píl	piL	1224B	𐎶	NEšešig	172	píl, bíl, (pél), Hurr. li <sub>13</sub>	GIBIL
pir	pir	12313	𐎶	UD	316	ud, ut, pir	BABBAR, UD, U <sub>4</sub> , ÁD, TAM, <i>TAM</i> , UTU, ZALAG, BURANUN = ZIMBIR (= UD.KIB.NUN), È (= UD.DU), ZABAR (= UD.KA.BAR), 𐎶

→ = replacement code    ✱ = irregular code

NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
pis	pis	1212B		HAgunu	244	gir, kir, piš, (paš), pùš, biš	ĜA <sub>6</sub>
piš	pic	1212B		HAgunu	244	gir, kir, piš, (paš), pùš, biš	ĜA <sub>6</sub>
piš	pic	1212B		HAgunu	244	gir, kir, piš, (paš), pùš, biš	ĜA <sub>6</sub>
PISAN	ps	120B7		GA <sub>2</sub>	56		GÁ = PISAN, MAL
pít	piT	12041		BAD	13	pát, pád, píđ, pít, pè, pì	BAD, BE, SUMUN = SUN, TIL, ÚŠ, <i>BE, BAD, MIT</i>
pu	pu.	1204D		BU	339	pu, bu, gít	BU, GÍD
pú, PÚ	pu2	121E5		LAGAB×U	180	túl, pú	GÍGIR = PÚ = TÚL (= LAGAB×U)
pur	pur	12053		BUR	245	bur, pur	BUR
pur	pv.	12053		BUR	245	bur, pur	BUR
pùs	pu o-s	1212B		HAgunu	244	gir, kir, piš, (paš), pùš, biš	ĜA <sub>6</sub>
pùš	pu o-c	1212B		HAgunu	244	gir, kir, piš, (paš), pùš, biš	ĜA <sub>6</sub>

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
pùš	pu o-c	1212B	𒍪	HAgunu	244	gir, kir, piš, (paš), pùš, biš	𒄩A <sub>6</sub>
qa	qa.	122E1	𒄩	SILA <sub>3</sub>	21	qa, ga <sub>5</sub> , ka <sub>4</sub>	SÀL (SAL <sub>4</sub> ), SÀLA, SÌLA, SAGI, = SÌLA.ŠU.DUĜ
QĀTU	qaT	122D7	𒄩	ŠU	68	šu	ŠU, GÉŠBU = GÉŠPU = GEŠPÚ, QĀTU
QÈ	qe3	12100	𒄩	GI	30	gi, ge	GI, SI <sub>22</sub> , SIG <sub>17</sub> , QÈ
QU	qu.	12123	𒄩	GUM	120	kum, gum	QU
RÁ	ra2	1207A	𒄩	DU	128	du, (tù)	DU = GIN = RÁ = RI <sub>6</sub> , GUB, ŠA <sub>4</sub>
ra, RA	ra.	1228F	𒄩	RA	233	ra	RA
rad	rad	122E5	𒄩	SUD <sub>2</sub>	29	rad, rat	ŠITAN, RĀṬU
RAŠ	rac	1219C	𒄩	KASKAL	259		KASKAL, RAŠ, DANNA (= KASKAL.BU), ILLAT (= KASKAL.KUR)
rat	rat	122E5	𒄩	SUD <sub>2</sub>	29	rad, rat	ŠITAN, RĀṬU
re	re.	12291	𒄩	RI	32	ri, re, tal, (dal)	RI
RÍ	ri2	12337	𒄩	URU	229		URU, RÍ, U <sub>19</sub> , GĀL, BANŠUR (usu. = URU.URUDU, rarely E.URUDU)
ri, RI	ri.	12291	𒄩	RI	32	ri, re, tal, (dal)	RI
RI6	ri6	1207A	𒄩	DU	128	du, (tù)	DU = GIN = RÁ = RI <sub>6</sub> , GUB, ŠA <sub>4</sub>
RIN	rin	121B8	𒄩	LAGAB	179	ḫab, ḫap	GUD <sub>8</sub> , GUR <sub>4</sub> , ḪAB, LAGAB, LÚGUD, NÍGIN, RIN

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
RÍN	riN	1209F	𐎠	ERIN <sub>2</sub>	327		ÉRIN = ÉREN, NUNUS, RÍN, ZÁLAG, ERIM, ZAB
ris	ris	12295	𐎠𐎢	SAG	192	šag, šak, šaq, riš	SAG, SUR <sub>14</sub> , ZARAḤ (= SAG.PA.LAGAB)
riš	ric	12295	𐎠𐎢	SAG	192	šag, šak, šaq, riš	SAG, SUR <sub>14</sub> , ZARAḤ (= SAG.PA.LAGAB)
RÚ	ru2	12195	𐎠𐎢	KAK	75		DÙ = RÚ, GAG
RÙ	ru3	12038	𐎠	AŠ	1	aš	AŠ, DIDLI, DILI, RUM, RÙ
ru, RU	ru.	12292	𐎠𐎢	RU	43	ru	RU, ŠUB
RUM	rum	12038	𐎠	AŠ	1	aš	AŠ, DIDLI, DILI, RUM, RÙ
SÁ	→ di.	12072	𐎠	DI	312	di, de, ti <sub>4</sub>	DI, SÁ, SALIM = SILIM
sá	sa2	120FB	𐎠	GAR	369	šá	GAR, NÍG, NINDA, ŠÁ
ŠÁ	ca2	120FB	𐎠	GAR	369	šá	GAR, NÍG, NINDA, ŠÁ
ŠÀ	ca3	122AE	𐎠𐎢	ŠA <sub>3</sub>	294		ŠÀ = ŠAG <sub>4</sub> , TIBULA (= ŠÀ.A.TAR)
SA, SA	sa.	12293	𐎠𐎢	SA	200	sa (Hurr.)	SA, SA
ša, ŠA, ŠA	ca.	122AD	𐎠𐎢	ŠA	158	ša	ŠA, ŠA
ŠA <sub>4</sub>	ca4	1207A	𐎠	DU	128	du, (tù)	DU = GIN = RÁ = RI <sub>6</sub> , GUB, ŠA <sub>4</sub>
SA <sub>5</sub>	sa5	122DB+ 12000	𐎠𐎢𐎠	SI.A	89		DIRI = SA <sub>5</sub> (= SI.A)
SA <sub>6</sub>	sa6	122B7	𐎠𐎢𐎠	ŠA <sub>6</sub>	70		GIŠIMMAR, SA <sub>6</sub>

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
ŠA <sub>6</sub>	ca6	122B7	𒊿𒀭	ŠA <sub>6</sub>	70		GIŠIMMAR, SA <sub>6</sub>
sab	sab	1227A+ 12141	𒊿𒀭	PA.IB	175	šap, šab, šip	ŠAB (PA.IB)
šab, ŠAB	cab	1227A+ 12141	𒊿𒀭	PA.IB	175	šap, šab, šip	ŠAB (PA.IB)
ŠAD	cad	121B3	𒊿	KUR	329	kur	KUR, GÀN, GÌN, ŠAD
šag	cag	12295	𒊿𒀭	SAG	192	šag, šak, šaq, riš	SAG, SUR <sub>14</sub> , ZARAḪ (= SAG.PA.LAGAB)
sag, SAG	sag	12295	𒊿𒀭	SAG	192	šag, šak, šaq, riš	SAG, SUR <sub>14</sub> , ZARAḪ (= SAG.PA.LAGAB)
ŠAG <sub>4</sub>	ca os-g	122AE	𒊿𒀭	ŠA <sub>3</sub>	294		ŠÀ = ŠAG <sub>4</sub> , TIBULA (= ŠÀ.A.TAR)
ŠAGAN	cg	1230B+ 120F6	𒊿𒀭	U.GAN	270		ŠAGAN, ŠÁMAN (U.GAN)
SAGI (= SÌLA.ŠU.DUḪ)	saG	122E1+ 122D7+ 120EE	𒊿𒀭𒊿𒀭	SILA <sub>3</sub> .ŠU.GABA	21	qa, ga <sub>5</sub> , ka <sub>4</sub>	SÀL (SAL <sub>4</sub> ), SÀLA, SÌLA, SAGI, = SÌLA.ŠU.DUḪ)
šaḫ	sah	122DA	𒊿𒀭	ŠUBUR	309	šaḫ	ŠAḪ
šaḫ, ŠAḪ	cah	122DA	𒊿𒀭	ŠUBUR	309	šaḫ	ŠAḪ
SAḪAR	saH *	12156	𒊿𒀭	IŠ	151	iš, (eš <sub>15</sub> , mil, mel)	KUŠ <sub>7</sub> , SAḪAR, IŠ
sak	sak	12295	𒊿𒀭	SAG	192	šag, šak, šaq, riš	SAG, SUR <sub>14</sub> , ZARAḪ (= SAG.PA.LAGAB)
šak	cak	12295	𒊿𒀭	SAG	192	šag, šak, šaq, riš	SAG, SUR <sub>14</sub> , ZARAḪ (= SAG.PA.LAGAB)
SAKAR	saK	122AC	𒊿𒀭	SAR	353	šar, (šir <sub>9</sub> )	KIRI <sub>6</sub> , MÚ, SAKAR, SAR, ŠAR

→ = replacement code    \* = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
SÀL	sa o-l	122E1	𒍪	SILA <sub>3</sub>	21	qa, ga <sub>5</sub> , ka <sub>4</sub>	SÀL (SAL <sub>4</sub> ), SÀLA, SÌLA, SAGI, = SÌLA.ŠU.DUḪ)
šal	cal	122A9	𒍪	SAL	297	šal	MUNUS = MÍ, SAL, NÀTA = NÌTA
sal, SAL	sal	122A9	𒍪	SAL	297	šal	MUNUS = MÍ, SAL, NÀTA = NÌTA
SAL.KUR	salkur	122A9+ 121B3	𒍪𒍪	SAL.KUR	305		GÉME (SAL.KUR)
SAL <sub>4</sub>	sa os-l	122E1	𒍪	SILA <sub>3</sub>	21	qa, ga <sub>5</sub> , ka <sub>4</sub>	SÀL (SAL <sub>4</sub> ), SÀLA, SÌLA, SAGI, = SÌLA.ŠU.DUḪ)
SÀLA	sal	122E1	𒍪	SILA <sub>3</sub>	21	qa, ga <sub>5</sub> , ka <sub>4</sub>	SÀL (SAL <sub>4</sub> ), SÀLA, SÌLA, SAGI, = SÌLA.ŠU.DUḪ)
SALIM, SILIM	sl	12072	𒍪	DI	312	di, de, ti <sub>4</sub>	DI, SÁ, SALIM = SILIM
sam	→ cam	12311	𒍪	U <sub>2</sub>	195	ú, (šam)	KÙŠ, Ú, KIŠI <sub>16</sub> (= Ú.GÍR), UGA (= Ú. <sup>TE</sup> TÈ.GA), ŠAM
sàm	sa o-m	12253	𒍪	NINDA <sub>2</sub> × AN	103	šàm	ŠÀM
ŠÁM	caM	1225A+ 12000+ 1202D	𒍪𒍪𒍪	NINDA <sub>2</sub> × ŠE + A.AN	123		ŠÁM (NÍNDA × ŠE + A.AN)
šam, ŠAM	cam	12311	𒍪	U <sub>2</sub>	195	ú, (šam)	KÙŠ, Ú, KIŠI <sub>16</sub> (= Ú.GÍR), UGA (= Ú. <sup>TE</sup> TÈ.GA), ŠAM
šàm, ŠÀM	ca o-m	12253	𒍪	NINDA <sub>2</sub> × AN	103	šàm	ŠÀM
ŠÁMAN	cM	1230B+ 120F6	𒍪	U.GAN	270		ŠAGAN, ŠÁMAN (U.GAN)
SANGA	sg	122C3	𒍪	ŠID	231		SANGA, ÀKA, ŠID = ŠIT = ŠITA <sub>5</sub> = ŠITI = ŠED
sap	sap	1227A+ 12141	𒍪	PA.IB	175	šap, šab, šip	ŠAB (PA.IB)
šap	cap	1227A+ 12141	𒍪	PA.IB	175	šap, šab, šip	ŠAB (PA.IB)

→ = replacement code    ✱ = irregular code

NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
saq	caq	12295	𒍪	SAG	192	šag, šak, šaq, riš	SAG, SUR <sub>14</sub> , ZARAḪ (= SAG.PA.LAGAB)
saq	saq	12295	𒍪	SAG	192	šag, šak, šaq, riš	SAG, SUR <sub>14</sub> , ZARAḪ (= SAG.PA.LAGAB)
SÀR	sa o-r	1219F	𒍪	KEŠ <sub>2</sub>	106		KÉŠ = KEŠDA, SÀR, ŠÈR, SÌR, ŠÌR, SÌR, ŠÌR
ŠAR	→ lg	12217	𒍪	LUGAL	115		LUGAL, ŠAR
ŠÁR	caR	1212D	𒍪	HI	335	ḫi	DU <sub>10</sub> , DÙG, ḪI, 40 = NIMIN = NIN <sub>5</sub> , ŠÁR, ḪÁ (= ḪI.A)
sar, SAR	sar	122AC	𒍪	SAR	353	šar, (šir <sub>9</sub> )	KIRI <sub>6</sub> , MÚ, SAKAR, SAR, ŠAR
šar, ŠAR	car	122AC	𒍪	SAR	353	šar, (šir <sub>9</sub> )	KIRI <sub>6</sub> , MÚ, SAKAR, SAR, ŠAR
sar <sub>x</sub>	sa os-r	122D3	𒍪	ŠIR	5	šir, šar <sub>x</sub>	NU <sub>11</sub> , SIR <sub>4</sub> , ŠIR
šar <sub>x</sub>	ca os-r	122D3	𒍪	ŠIR	5	šir, šar <sub>x</sub>	NU <sub>11</sub> , SIR <sub>4</sub> , ŠIR
se	se.	122BA	𒍪	ŠE	338	še	NIGA = NIGU, ŠE
sé	se2	122DB	𒍪	SI	86	ší, sé	SI, SI
šé	ce2	122DB	𒍪	SI	86	ší, sé	SI, SI
ŠÈ	ce3	12306	𒍪	TUG <sub>2</sub>	212		TÚG = TU <sub>9</sub> , ÁZLAG, GI <sub>7</sub> = GIR <sub>15</sub> , ŠÈ, ZÍD = ZÌ
še, ŠE	ce.	122BA	𒍪	ŠE	338	še	NIGA = NIGU, ŠE
ŠE <sub>12</sub>	ce1	1223A	𒍪	SED	27		SE <sub>24</sub> , SÈD, ŠE <sub>12</sub> , ŠED <sub>29</sub>
se <sub>20</sub> /še <sub>20</sub>	→ li3	12146	𒍪	IGI	288	ši, li, (še <sub>20</sub> )	IGI, LIM, LIM, ŠUKUR (= IGI.GAG)

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
SE <sub>24</sub>	se1	1223A		SED	27		SE <sub>24</sub> , SÈD, ŠE <sub>12</sub> , ŠED <sub>29</sub>
ŠED	ced	122C3		ŠID	231		SANGA, ÀKA, ŠID = ŠIT = ŠITA <sub>5</sub> = ŠITI = ŠED
ŠÈD	ce o-d	1223A		SED	27		SE <sub>24</sub> , SÈD, ŠE <sub>12</sub> , ŠED <sub>29</sub>
ŠED <sub>29</sub>	ce os-d	1223A		SED	27		SE <sub>24</sub> , SÈD, ŠE <sub>12</sub> , ŠED <sub>29</sub>
ŠEG <sub>6</sub>	ce os-g	12248		NE	169	ne, (ni <sub>5</sub> ), bil	BAR <sub>7</sub> = BIL = BIR <sub>9</sub> , BÍ, IZI, LÁM, NE, ŠEG <sub>6</sub> , ÉRIM (= NE.RU), GIBIL <sub>6</sub> , = GÌRA (= NE.GI)
ŠEM	cem	122C6		ŠIM	154		LUNGA, ŠEM = ŠIM
ŠEN	cen	122BF		ŠEN	230		PÀSAN = PÌSAN, DUR <sub>10</sub> = ŠEN, ALAL
ŠENNUR	ceN *	12112		GIŠ%GIŠ	260	kib, kip	KIB, ŠENNUR
ŠÈR	ce o-r	1219F		KEŠ <sub>2</sub>	106		KÉŠ = KEŠDA, SÀR, ŠÈR, SÌR, ŠÌR, SÌR, ŠÌR
SES	ses	122C0		ŠEŠ	79		SES, ŠEŠ
ŠEŠ	cec	122C0		ŠEŠ	79		SES, ŠEŠ
ŠÉŠ	ceC	122C1		ŠEŠ <sub>2</sub>	63		ŠÉŠ (= SÍK.LAM)
SÍ	si2	122E7		SUM	350		SUM = ŠÚM, SÍ, SUMU
ši	ci.	12146		IGI	288	ši, li, (še <sub>20</sub> )	IGI, LIM, LIM, ŠUKUR (= IGI.GAG)
ší	ci2	122DB		SI	86	ší, sé	SI, SI
si (= lì)	→ ci.	12146		IGI	288	ši, li, (še <sub>20</sub> )	IGI, LIM, LIM, ŠUKUR (= IGI.GAG)

→ = replacement code    \* = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
SI, <i>SI</i>	si.	122DB	𒊩	SI	86	ší, sé	SI, <i>SI</i>
SI × SÁ	siS	100000	𒊩𒊕	SI × SA <sub>2</sub>	28		SI × SÁ
SIBA	sb	1227A+ 121FB	𒊩𒊕	PA.LU	177		SIPA = SIPAD = SIBA = SIBAD (PA.LU)
SIBAD	siB	1227A+ 121FB	𒊩𒊕	PA.LU	177		SIPA = SIPAD = SIBA = SIBAD (PA.LU)
ŠID	cid	122C3	𒊩𒊕	ŠID	231		SANGA, ÀKA, ŠID = ŠIT = ŠITA <sub>5</sub> = ŠITI = ŠED
SIG	sig	122DD	𒊩	SIG	255		SIG
SÍG	siG	122E0	𒊩𒊕	SIK <sub>2</sub>	65		SÍG = SÍK = SIKI
SÍG.MUNUS	siGmn	122E0+ 122A9	𒊩𒊕𒊕	SIK <sub>2</sub> .SAL	66		SÍG.MUNUS
SIG <sub>4</sub>	si os-g	122DE	𒊩𒊕	SIG <sub>4</sub>	311		MUR <sub>7</sub> = MURGU, SIG <sub>4</sub>
SIG <sub>5</sub>	→ iGeR	12146+ 1209F	𒊩𒊕	IGI.ERIN <sub>2</sub>	293		SIG <sub>5</sub> (IGI.ÉRIN)
SIG <sub>7</sub>	si7 *	1214A	𒊩𒊕	IGIgunu	239		SIG <sub>7</sub> , SIG <sub>7</sub> .SIG <sub>7</sub>
sik	sik	12096	𒊩𒊕	EL	307	el, (il <sub>5</sub> ), šik	SIKIL
SÍK	siK	122E0	𒊩𒊕	SIK <sub>2</sub>	65		SÍG = SÍK = SIKI
šik	cik	12096	𒊩𒊕	EL	307	el, (il <sub>5</sub> ), šik	SIKIL
SÌLA	si o-l	122E1	𒊩	SILA <sub>3</sub>	21	qa, ga <sub>5</sub> , ka <sub>4</sub>	SÀL (SAL <sub>4</sub> ), SÀLA, SÌLA, SAGI, = SÌLA.ŠU.DUḪ)
SILA <sub>4</sub>	si os-l	12107	𒊩𒊕	SILA <sub>4</sub>	54		SILA <sub>4</sub>
SIM	sim	12246	𒊩𒊕	NAM	39	nam	NAM, SIM = SÍN, BURU <sub>5</sub> = BUR <sub>6</sub> = BURU <sub>6</sub>

→ = replacement code    \* = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
ŠIM	cim	122C6		ŠIM	154		LUNGA, ŠEM = ŠIM
SIMUG (= E.DÉ)	sm	1208A+ 12324		E.UMUM × KASKAL	187	e	E, GURU <sub>21</sub> (= E.TUM), SIMUG (E.DÉ)
SÍN	si o-n	12246		NAM	39	nam	NAM, SIM = SÍN, BURU <sub>5</sub> = BUR <sub>6</sub> = BURU <sub>6</sub>
ŠÎN	sin	1230D		U.U.U	331	eš, (iš)	ÛŠU, ŠÎN
ŠINIG	cn	122D2		ŠINIG	85		ŠINIG (= GAD.ŠE.NAGA)
šip	si o-p	1227A+ 12141		PA.IB	175	šap, šab, šip	ŠAB (PA.IB)
SIPA	siP	1227A+ 121FB		PA.LU	177		SIPA = SIPAD = SIBA = SIBAD (PA.LU)
SIPAD	sp	1227A+ 121FB		PA.LU	177		SIPA = SIPAD = SIBA = SIBAD (PA.LU)
sir	sir	122D3		ŠIR	5	šir, šar <sub>x</sub>	NU <sub>11</sub> , SIR <sub>4</sub> , ŠIR
SIR	→ sud	122E4		SUD	341		SUD, SIR
SÌR	si o-r	1219F		KEŠ <sub>2</sub>	106		KÉŠ = KEŠDA, SÀR, ŠÈR, SÌR, ŠÌR, SÌR, ŠÌR
šir	cir	122D3		ŠIR	5	šir, šar <sub>x</sub>	NU <sub>11</sub> , SIR <sub>4</sub> , ŠIR
ŠÌR	ci o-r	1219F		KEŠ <sub>2</sub>	106		KÉŠ = KEŠDA, SÀR, ŠÈR, SÌR, ŠÌR, SÌR, ŠÌR
SIR <sub>4</sub>	si os-r	122D3		ŠIR	5	šir, šar <sub>x</sub>	NU <sub>11</sub> , SIR <sub>4</sub> , ŠIR
sir <sub>9</sub>	→ sar	122AC		SAR	353	šar, (šir <sub>9</sub> )	KIRI <sub>6</sub> , MÚ, SAKAR, SAR, ŠAR
šir <sub>9</sub>	→ sar	122AC		SAR	353	šar, (šir <sub>9</sub> )	KIRI <sub>6</sub> , MÚ, SAKAR, SAR, ŠAR
SISKUR	sk	1202C		AMAR × ŠE	156		SISKUR, SÍSKUR (= SISKUR.SISKUR)

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
SÍSKUR (SISKUR. SISKUR)	sk	1202C+ 1202C		AMAR × ŠE + AMAR × ŠE	156		SISKUR, SÍSKUR (= SISKUR.SISKUR)
ŠIT	cit	122C3		ŠID	231		SANGA, ÀKA, ŠID = ŠIT = ŠITA <sub>5</sub> = ŠITI = ŠED
ŠITA <sub>5</sub>	ci os-t	122C3		ŠID	231		SANGA, ÀKA, ŠID = ŠIT = ŠITA <sub>5</sub> = ŠITI = ŠED
ŠITAN	ct	122E5		SUD <sub>2</sub>	29	rad, rat	ŠITAN, RĀTU
ŠITI	ciT	122C3		ŠID	231		SANGA, ÀKA, ŠID = ŠIT = ŠITA <sub>5</sub> = ŠITI = ŠED
su	su.	122D7		ŠU	68	šu	ŠU, GÉŠBU = GÉŠPU = GEŠPÚ, QĀTU
sú	su2	122D9		ŠU <sub>2</sub>	251	šú	ŠÚ, ÉN (= ŠÚ.AN)
SU, SU	→ kuc	122E2		SU	213		KUŠ, SU, SU
šu, ŠU	cu.	122D7		ŠU	68	šu	ŠU, GÉŠBU = GÉŠPU = GEŠPÚ, QĀTU
šú, ŠÚ	cu2	122D9		ŠU <sub>2</sub>	251	šú	ŠÚ, ÉN (= ŠÚ.AN)
ŠU.NÍGIN	cuN	122D7+ 121B8		ŠU.LAGAB	64		ŠU.NÍGIN
SU <sub>6</sub>	su6	1217E		KA × SA	136		SU <sub>6</sub> (= KA × SA)
ŠUB	cub	12292		RU	43	ru	RU, ŠUB
ŠUBUR	→ cah	122DA		ŠUBUR	309	šaḥ	ŠAḤ
SUD	sud	122E4		SUD	341		SUD, SIR
ŠÙDUL, ŠÙDUN	c opt-d	12088		DUN <sub>3</sub> gunugunu šešig	88		ŠÙDUL = ŠÙDUN

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
SUG	sug	121B9		LAGAB × A	182		AMBAR = SUG = BUGIN = BUNIN
SUḪUR	sh	122E6		SUHUR	349		SUḪUR
SUKKAL	suK *	1221B		LUH	198	luḫ	LÀḪ = LUḪ, SUK K A L
ŠUKUR (= IGI.GAG)	ck	12146+ 12195		IGI.KAK	288	ši, li, (še <sub>20</sub> )	IGI, LIM, LIM, ŠUKUR (= IGI.GAG)
SUL	sul	12084		DUN	46	zul	ŠUL, SUL
ŠUL	cul	12084		DUN	46	zul	ŠUL, SUL
SULLIM	suL *	12098		EN × GAN <sub>2</sub> tenu	274		BURU <sub>14</sub> (= EBUR), BAR <sub>8</sub> , SULLIM
sum	sum	122F3		TAG	91	šum, tag	TAG, ŠUM
SUM	→ cuM	122E7		SUM	350		SUM = ŠÚM, SÍ, SUMU
ŠÚM	cuM	122E7		SUM	350		SUM = ŠÚM, SÍ, SUMU
SÚM	suM	1236E		ZUM	300	zum	SÚM, ZUM
šum, ŠUM	cum	122F3		TAG	91	šum, tag	TAG, ŠUM
SUMU	→ cuM	122E7		SUM	350		SUM = ŠÚM, SÍ, SUMU
SUMUN	→ sun	12041		BAD	13	pát, pád, píd, pít, pè, pì	BAD, BE, SUMUN = SUN, TIL, ÚŠ, BE, BAD, MIT
SUN	sun	12041		BAD	13	pát, pád, píd, pít, pè, pì	BAD, BE, SUMUN = SUN, TIL, ÚŠ, BE, BAD, MIT
sur, SUR	sur	122E9		SUR	42	šur	SUR, ŠUR

→ = replacement code    \* = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
šur, ŠUR	cur	122E9	𐎶	SUR	42	šur	SUR, ŠUR
šur, ŠUR	cv.	122E9	𐎶	SUR	42	šur	SUR, ŠUR
SUR <sub>14</sub>	sv1	12295	𐎶𐎵	SAG	192	šag, šak, šaq, riš	SAG, SUR <sub>14</sub> , ZARAḪ (= SAG.PA.LAGAB)
ŠUR <sub>4</sub>	c os-v	121F3+ 122AC	𐎶𐎶𐎶	LAL × LAL.SAR	363		ŠUR <sub>4</sub> (LÁL.SAR)
ŠUR <sub>4</sub>	cu os-r	121F3+ 122AC	𐎶𐎶𐎶	LAL × LAL.SAR	363		ŠUR <sub>4</sub> (LÁL.SAR)
ŠUR <sub>4</sub>	cv4	121F3+ 122AC	𐎶𐎶𐎶	LAL × LAL.SAR	363		ŠUR <sub>4</sub> (LÁL.SAR)
SUR <sub>7</sub> (= KI.GAG)	s os-v	121A0+ 12195	𐎶𐎵	KI.KAK	313	ki, ke, gi <sub>5</sub> , (ge <sub>5</sub> )	GI <sub>5</sub> , KI, GUNNI = (KI.NE), KARAŠ (= GÁRAŠ = KI.KAL.BAD), KISLAḪ (= KI.UD), SUR <sub>7</sub> (= KI.GAG)
SUR <sub>7</sub> (= KI.GAG)	su os-r	121A0+ 12195	𐎶𐎵	KI.KAK	313	ki, ke, gi <sub>5</sub> , (ge <sub>5</sub> )	GI <sub>5</sub> , KI, GUNNI = (KI.NE), KARAŠ (= GÁRAŠ = KI.KAL.BAD), KISLAḪ (= KI.UD), SUR <sub>7</sub> (= KI.GAG)
SUR <sub>7</sub> (= KI.GAG)	sv7	121A0+ 12195	𐎶𐎵	KI.KAK	313	ki, ke, gi <sub>5</sub> , (ge <sub>5</sub> )	GI <sub>5</sub> , KI, GUNNI = (KI.NE), KARAŠ (= GÁRAŠ = KI.KAL.BAD), KISLAḪ (= KI.UD), SUR <sub>7</sub> (= KI.GAG)
ŠUŠANA	cc	1245A	𐎶𐎶	ŠUŠANA	48		ŠUŠANA
ta, TA	ta.	122EB	𐎶	TA	160	ta, (dá)	TA
tá, TÁ	ta2	12055	𐎶	DA	214	da, (tá)	DA = TÁ
tab, TAB	tab	122F0	𐎶	TAB	90	tap, tab	TAB, LÍMMU
TABIRA	tb	1234F+ 12244	𐎶𐎶𐎶	URUDA. NAGAR	109		URUDU, TABIRA = TIBIRA (= URUDU.NAGAR), ÛMMEDA (= URUDU.DA)

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
tág	taG	12056	𒄠	DAG	243	tág, ták, (táq), dag, dak (daq)	BÀR, DAG
tag, TAG	tag	122F3	𒄠→	TAG	91	šum, tag	TAG, ŠUM
TAG <sub>4</sub>	ta os-g	122FA	𒄠𒄠𒄠𒄠	TAK <sub>4</sub>	227		TAG <sub>4</sub> , TAK <sub>4</sub>
taḥ, TAḤ	tah	1222D	𒄠*	MU/MU	171	taḥ, (daḥ), túḥ	TAḤ (= MU/MU)
ták	taK	12056	𒄠	DAG	243	tág, ták, (táq), dag, dak (daq)	BÀR, DAG
TAK <sub>4</sub>	ta os-k	122FA	𒄠𒄠𒄠𒄠	TAK <sub>4</sub>	227		TAG <sub>4</sub> , TAK <sub>4</sub>
tal	tal	12291	𒄠𒄠	RI	32	ri, re, tal, (dal)	RI
TÀL	ta o-l	122FE	𒄠𒄠	TI	37	ti, (di)	TI, TÀL, TÌL
tám	taM	1206E	𒄠𒄠	DAM	298	dam, (tám)	DAM
TAM, TAM	tam	12313	𒄠	UD	316	ud, ut, pir	BABBAR, UD, U <sub>4</sub> , ÁD, TAM, TAM, UTU, ZALAG, BURANUN = ZIMBIR (= UD.KIB.NUN), È (= UD.DU), ZABAR (= UD.KA.BAR), ḤÁD
tan	tan	12197	𒄠𒄠	KAL	196	kal, (gal <sub>9</sub> ), dan, tan	ESI, GURUŠ, KAL = KALA = KALAG, LAMMA
tan <sub>x</sub>	ta os-n	12077	𒄠*	DIN	330	tin, (tén, tan <sub>x</sub> )	KÚRUN, TIN, GAMUN (= DIN.TIR)
tap	tap	122F0	𒄠	TAB	90	tap, tab	TAB, LÍMMU

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
táq	taQ	12056		DAG	243	tág, ták, (táq), dag, dak (daq)	BÀR, DAG
tar, TAR	tar	122FB		TAR	7	tar, ḫaš	KU <sub>5</sub> = KUD, TAR
TASŠ	tac	12328		UR	51	ur, lik, lig, (liq); Hurr. tíš	TÉŠ, UR, TASŠ
tás	taS	12079		DIŠ	356	diš, tiš, dáš, táš	DIŠ, GÉŠ = GÍŠ = 60, 1
táš	taC	12079		DIŠ	356	diš, tiš, dáš, táš	DIŠ, GÉŠ = GÍŠ = 60, 1
tàs	ta o-s	1203E		AŠ <sub>2</sub>	241	táš, (Ph. áš, Ph. áz)	ÁŠ, ZÍZ
táš	ta o-c	1203E		AŠ <sub>2</sub>	241	táš, (Ph. áš, Ph. áz)	ÁŠ, ZÍZ
TÈ	te3	122BA+ 12240		ŠE.NAGA	345	niš	NIDABA = NISABA = TÈ (ŠE.NAGA)
te, TE	te.	122FC		TE	249	te, (ti <sub>7</sub> , de <sub>4</sub> )	TE
tén	teN	12077		DIN	330	tin, (tén, tan <sub>x</sub> )	KÚRUN, TIN, GAMUN (= DIN.TIR)
ter	ter	12301		TIR	344	tir, (ter)	TIR
TÉŠ	teC	12328		UR	51	ur, lik, lig, (liq); Hurr. tíš	TÉŠ, UR, TASŠ
ti, TI	ti.	122FE		TI	37	ti, (di)	TI, TÀL, TÌL

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
ti <sub>4</sub>	ti4	12072		DI	312	di, de, ti <sub>4</sub>	DI, SÁ, SALIM = SILIM
ti <sub>7</sub>	ti7	122FC		TE	249	te, (ti <sub>7</sub> , de <sub>4</sub> )	TE
ti <sub>8</sub>	ti8	12009		A <sub>2</sub>	215	id, it, ed, et	Á, TI <sub>8</sub>
TIBIRA	tb	1234F+ 12244		URUDA. NAGAR	109		URUDU, TABIRA = TIBIRA (= URUDU.NAGAR), ÛMMEDA (= URUDU.DA)
TIBULA	tiB *	122AE+ 12000+ 122FB		ŠA <sub>3</sub> .A.TAR	294		ŠÀ = ŠAG <sub>4</sub> , TIBULA (= ŠÀ.A.TAR)
TIL	til	12041		BAD	13	pát, pád, píd, pít, pè, pì	BAD, BE, SUMUN = SUN, TIL, ÚŠ, BE, BAD, MIT
TÌL	ti o-l	122FE		TI	37	ti, (di)	TI, TÀL, TÌL
tim	tim	12074		DIM	14	(dim), tim	DIM
tin, TIN	tin	12077		DIN	330	tin, (tén, tan <sub>x</sub> )	KÚRUN, TIN, GAMUN (= DIN.TIR)
tir, TIR	tir	12301		TIR	344	tir, (ter)	TIR
tis	tis	12079		DIŠ	356	diš, tiš, dás, táš	DIŠ, GÉŠ = GÍŠ = 60, 1
tiš	tic	12079		DIŠ	356	diš, tiš, dás, táš	DIŠ, GÉŠ = GÍŠ = 60, 1
tíš (Hurr.)	tiC	12328		UR	51	ur, lik, lig, (liq); Hurr. tíš	TÉŠ, UR, TAŠ
tù	tu3	1207A		DU	128	du, (tù)	DU = GIN = RÁ = RI <sub>6</sub> , GUB, ŠA <sub>4</sub>

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
tu, TU	tu.	12305		TU	346	tu, du <sub>2</sub>	TU
tu <sub>4</sub> , TU <sub>4</sub>	tu4	12308		TUM	125	tum, (dum), tu <sub>4</sub>	ÍB, TU <sub>4</sub> , TU <sub>4</sub>
TU <sub>6</sub>	tu6	12172		KA × LI	146		MU <sub>7</sub> = TU <sub>6</sub> (KA × LI)
TU <sub>7</sub>	tu7	12130		HI × BAD	355	kam, (gám)	KAM, TU <sub>7</sub> , ÚTUL
TU <sub>9</sub>	tu9	12306		TUG <sub>2</sub>	212		TÚG = TU <sub>9</sub> , ÁZLAG, GI <sub>7</sub> = GIR <sub>15</sub> , ŠÈ, ZÍD = ZÌ
tub	tub	1207E		DUB	99	tub, tup (dup, dub)	DUB, KIŠIB, TUP
TÚG	tuG	12306		TUG <sub>2</sub>	212		TÚG = TU <sub>9</sub> , ÁZLAG, GI <sub>7</sub> = GIR <sub>15</sub> , ŠÈ, ZÍD = ZÌ
túh	tuH	1222D		MU/MU	171	taḥ, (daḥ), túḥ	TAḤ (= MU/MU)
TUK	tuk	12307		TUK	53		TUK, TUKU
TUKU	tuK	12307		TUK	53		TUK, TUKU
TUKUL	tk	121AA		KU	206	ku, (gu <sub>5</sub> )	DÚR = DÚRU = DURUN = TUŠ, TUKUL
TÚKUR	tK	12181		KA × ŠE	145		TÚKUR (KA × ŠE)
túl, TÚL	tuL	121E5		LAGAB × U	180	túl, pú	GÍGIR = PÚ = TÚL (= LAGAB × U)
tum	tum	12308		TUM	125	tum, (dum), tu <sub>4</sub>	ÍB, TU <sub>4</sub> , TU <sub>4</sub>
TÙM	tu o-m	12250		NIM × GAN <sub>2</sub> tenu	279		TÙM (NIM × KÁR)

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
TÙN	tu o-n	12086		DUN <sub>3</sub> gunugunu	223		GÍN (DÙNgunu, TÙN)
tup, ṬUP	tup	1207E		DUB	99	tub, tup (dup, dub)	DUB, KIŠIB, ṬUP
TUR	tur	12309		TUR	237		DUMU, TUR, KUN <sub>5</sub> (= TUR.TÚG)
TUR	tv.	12309		TUR	237		DUMU, TUR, KUN <sub>5</sub> (= TUR.TÚG)
TÙR	t opt-v	12263+ 121EC		NUN.LAGAR	34		TÙR (NUN.LAGAR)
TÙR	tu o-r	12263+ 121EC		NUN.LAGAR	34		TÙR (NUN.LAGAR)
TÙR	tv3	12263+ 121EC		NUN.LAGAR	34		TÙR (NUN.LAGAR)
túr, ṬUR	tuR	12119		GU <sub>2</sub> × KAK	202	dur, túr	DUR, ṬUR
TUŠ	tuc	121AA		KU	206	ku, (gu <sub>5</sub> )	DÚR = DÚRU = DURUN = TUŠ, TUKUL
u, U	u.	1230B		U	261	u	U, BÙR = BURÙ, UḪ <sub>7</sub> (= U.GAG)
ú, Ú	u2	12311		U <sub>2</sub>	195	ú, (šam)	KÙŠ, Ú, KIŠI <sub>16</sub> (= Ú.GÍR), UGA (= Ú. <sup>TE</sup> TÈ.GA), ŠAM
Ù, Ù	u3	12147		IGI.EŠ <sub>2</sub>	265		Ù, LIBIR, Ù
U <sub>19</sub>	u1	12337		URU	229		URU, RÍ, U <sub>19</sub> , GÀL, BANŠUR (usu. = URU.URUDU, rarely E.URUDU)
U <sub>4</sub>	u4	12313		UD	316	ud, ut, pir	BABBAR, UD, U <sub>4</sub> , ÁD, TAM, TAM, UTU, ZALAG, BURANUN = ZIMBIR (= UD.KIB.NUN), È (= UD.DU), ZABAR (= UD.KA.BAR), ḪÁD
U <sub>5</sub>	u5	12137+ 122DB		HU.SI	25		U <sub>5</sub> (ḪU.SI)

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
U <sub>8</sub>	u8	121C7		LAGAB × GUD + GUD	45		U <sub>8</sub> = US <sub>5</sub> , USDUḪA (= U <sub>8</sub> .UDU.ḪÁ)
ub	ub	12312		UB	152	up, ub	
UBUR	uB	1205B		DAG.KISIM <sub>5</sub> × GA	189		UBUR (E <sup>1</sup> .KISIM <sub>5</sub> × GA)
ud, UD	ud	12313		UD	316	ud, ut, pir	BABBAR, UD, U <sub>4</sub> , ÁD, TAM, TAM, UTU, ZALAG, BURANUN = ZIMBIR (= UD.KIB.NUN), È (= UD.DU), ZABAR (= UD.KA.BAR), ḪÁD
UDU	uD	12073		LU (DIB)	210	lu; Hurr. dib	DAB = DIB, DUL <sub>8</sub> , LU, UDU
UDUN	→ u.mu.	1230B+ 1222C		U.MU	264		UDUN (U.MU)
ÙG	u o-g	12326		UN	197	un	ÙG = ÙKU = UN
ug, UG	ug	1228C		PIRIG × UD	93	ug, uk, uq	UG, PÀRIG, PÌRIG
UGA (= Ú. <sup>TE</sup> TE.GA)	→ u2te.te3ga .	12311+ 122FC+ 122BA+ 12240		U <sub>2</sub> . <sup>TE</sup> ŠE.NAGA. GA	195	ú, (šam)	KÙŠ, Ú, KIŠI <sub>16</sub> (= Ú.GÍR), UGA (= Ú. <sup>TE</sup> TE.GA), ŠAM
UGU	uG	1230B+ 12157		U.KA	272		UGU (U.KA)
UGULA	→ pa.	1227A		PA	174	pa, ḫad, ḫat	GIDRU, PA, UGULA, GARZA (= PA.AN), NUSKA (= PA.TÚG)
uḫ, UḪ	uh	12134		HI × NUN	332	aḫ, eḫ, iḫ, uḫ, (əḫ)	AḪ, UḪ
UḪ <sub>7</sub> (= U.GAG)	u os-h	1230B+ 12195		U.KAK	261	u	U, BÙR = BURÙ, UḪ <sub>7</sub> (= U.GAG)
uk	uk	1228C		PIRIG × UD	93	ug, uk, uq	UG, PÀRIG, PÌRIG

→ = replacement code    ✱ = irregular code

NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
UKKIN	u os-k *	1215E		KA × BAR	134		UKKIN = UNKIN (KA × BAR)
UKU	uK	12087		DUN <sub>3</sub> gunu	96		UKU
ÛKU	→ un	12326		UN	197	un	ÛG = ÛKU = UN
ÚKUŠ	u o-k *	1213E		HUL <sub>2</sub>	254		ÚKUŠ
ul, UL	ul	1230C		U.GUD	275	ul	UL
UL <sub>4</sub>	u os-l	12108		GIR <sub>2</sub>	6		GÍR, UL <sub>4</sub> = GIR <sub>2</sub> gunu
um, UM	um	1231D		UM	98	um	UM
UMBIN	uM	12322		GAD.TAK <sub>4</sub> .UR <sub>2</sub>	166		UMBIN
ÛMMEDA	u o-m	1234F+ 12055		URUDA.DA	109		URUDU, TABIRA = TIBIRA (= URUDU.NAGAR), ÛMMEDA (= URUDU.DA)
U-MU	u.mu.	1230B+ 1222C		U.MU	264		UDUN (U.MU)
un, UN	un	12326		UN	197	un	ÛG = ÛKU = UN
UNU, UNUG	uN	12014		AB × U + U + U	111		ERI <sub>11</sub> , UNU, UNUG
up	up	12312		UB	152	up, ub	
uq	uq	1228C		PIRIG × UD	93	ug, uk, uq	UG, PÀRIG, PÌRIG
ÛR	u o-r	120E1		GA <sub>2</sub> × NUN/NUN	58		ÛR (GA × NIR)

→ = replacement code    \* = irregular code

NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
ur, UR	ur	12328		UR	51	ur, lik, lig, (liq); Hurr. tíš	TÉŠ, UR, TAŠ
ur, UR	v.	12328		UR	51	ur, lik, lig, (liq); Hurr. tíš	TÉŠ, UR, TAŠ
úr, ÚR	uR	1232B		UR <sub>2</sub>	124	úr	ÚR
úr, ÚR	v2	1232B		UR <sub>2</sub>	124	úr	ÚR
UR <sub>5</sub>	u os-r	1212F		HI × AŠ <sub>2</sub>	333	ḫar, ḫur, mur	ÀR = ḪAR = ḪUR = KÍN = MUR = UR <sub>5</sub> , ARA <sub>5</sub> (= ḪAR.ḪAR)
URASŠ	vc	12141		IB	44	ib, ip, eb, ep	IB, URAŠ, URTA
URI	vi.	12335		URI	246		URI (BUR/BUR)
URTA	vt	12141		IB	44	ib, ip, eb, ep	IB, URAŠ, URTA
URU	vu.	12337		URU	229		URU, RÍ, U <sub>19</sub> , GÀL, BANŠUR (usu. = URU.URUDU, rarely E.URUDU)
URU <sub>5</sub>	v5	122FD		TEgunu	315		URU <sub>5</sub>
URU <sub>5</sub>	vu5	122FD		TEgunu	315		URU <sub>5</sub>
URUDU	vd	1234F		URUDA	109		URUDU, TABIRA = TIBIRA (= URUDU.NAGAR), ÛMMEDA (= URUDU.DA)
URUDU	vud	1234F		URUDA	109		URUDU, TABIRA = TIBIRA (= URUDU.NAGAR), ÛMMEDA (= URUDU.DA)
us	us	12351		UŠ	132	uš	NITA = NITAḪ, UŠ, ÚS, GALA

→ = replacement code    ✱ = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
ÚŠ	uS	12351		UŠ	132	uš	NITA = NITAḪ, UŠ, ÚŠ, GALA
ÚŠ	uC	12041		BAD	13	pát, pád, píd, pít, pè, pì	BAD, BE, SUMUN = SUN, TIL, ÚŠ, <i>BE, BAD, MIT</i>
uš, UŠ	uc	12351		UŠ	132	uš	NITA = NITAḪ, UŠ, ÚŠ, GALA
US <sub>5</sub>	u os-s	121C7		LAGAB × GUD + GUD	45		U <sub>8</sub> = US <sub>5</sub> , USDUḪA (= U <sub>8</sub> .UDU.ḪÁ)
USDUḪA (= U <sub>8</sub> .UDU.ḪÁ)	→ u8uDha2	121C7+ 12073+ 1212D+ 12000		US <sub>5</sub> .LU.HI.A	45		U <sub>8</sub> = US <sub>5</sub> , USDUḪA (= U <sub>8</sub> .UDU.ḪÁ)
USSU	→ 8	1240D		EIGHT.DIŠ	374	8	USSU
ÛŠU	u o-c	1230D		U.U.U	331	eš, (iš)	ÛŠU, <i>SÎN</i>
ut	ut	12313		UD	316	ud, ut, pir	BABBAR, UD, U <sub>4</sub> , ÁD, TAM, <i>TAM</i> , UTU, ZALAG, BURANUN = ZIMBIR (= UD.KIB.NUN), È (= UD.DU), ZABAR (= UD.KA.BAR), ḪÁD
UTU	uT	12313		UD	316	ud, ut, pir	BABBAR, UD, U <sub>4</sub> , ÁD, TAM, <i>TAM</i> , UTU, ZALAG, BURANUN = ZIMBIR (= UD.KIB.NUN), È (= UD.DU), ZABAR (= UD.KA.BAR), ḪÁD
ÚTUL	u o-t *	12130		HI × BAD	355	kam, (gám)	KAM, TU <sub>7</sub> , ÚTUL
UTUL <sub>5</sub>	u os-t	1205F		DAG.KISIM <sub>5</sub> × GUD	188		UTUL <sub>5</sub> (E <sup>1</sup> .KISIM <sub>5</sub> × GUD)
uz	uz	122BB		ŠE.HU	340	uz	
UZ6	u os-z	1235A		UZ <sub>3</sub>	23		UZ <sub>6</sub>

→ = replacement code    \* = irregular code

NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
UZU	uZ	1235C		UZU	203		UZU
ÚZU	u o-z *	12259		UZU <sub>2</sub>	104		AZU = ÚZU
wa	wa.	1227F		PI	317	wa	GEŠTU, GEŠTUG, TÁL
wa <sub>a</sub> (Hurr., Ph.)	wa2	12280			326	wa <sub>a</sub> (Hurr., Ph.)	
wa <sub>ap</sub> (Hurr.)	wap	12281			318	wa <sub>ap</sub> (Hurr.)	
we <sub>e</sub> (Hurr., Ph.)	we	12284			322	we <sub>e</sub> (Hurr., Ph.)	
wi5	wi5	120FE		GEŠTIN	131	wi <sub>5</sub>	GEŠTIN
wi <sub>i</sub> (Hurr., Ph.)	wi2	12285			319	wi <sub>i</sub> (Hurr., Ph.)	
wi <sub>ip</sub> (Hurr.)	wip	12286			325	wi <sub>ip</sub> (Hurr.)	
wi <sub>pi</sub> (Ph.)	wiP	12282			320	wi <sub>pi</sub> (Ph.)	
wu <sub>pu</sub> (Hurr.)	wuP	12283			324	wu <sub>pu</sub> (Hurr.)	
wu <sub>u</sub> (Hurr., Ph.)	wuu	12287			323	wu <sub>u</sub> (Hurr., Ph.)	
wu <sub>ú</sub> (Hurr., Ph.)	wuU	12288			321	wu <sub>ú</sub> (Hurr., Ph.)	
ya	ya.	12140		I.A	218	ya	I.A
ZÁ	za2	1224C+ 12313		NI.LUD	73		IA <sub>4</sub> , NA <sub>4</sub> , ZÁ (NI.LUD)

→ = replacement code    \* = irregular code

## NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
ZÀ	za3	12360		ZAG	238		ZÀ, ZAG
za, ZA	za.	1235D		ZA	366	za	ZA, GUG (=ZA.GUL), NÍR (= ZA.GÍN)
ZAB	zab	1209F		ERIN <sub>2</sub>	327		ÉRIN = ÉREN, NUNUS, RÍN, ZÁLAG, ERIM, ZAB
ZABAR (= UD.KA.BAR)	zb	12313+ 12157+ 12047		UD.KA.BAR	316	ud, ut, pir	BABBAR, UD, U <sub>4</sub> , ÁD, TAM, TAM, UTU, ZALAG, BURANUN = ZIMBIR (= UD.KIB.NUN), È (= UD.DU), ZABAR (= UD.KA.BAR), ẂÁD
ZAG	zag	12360		ZAG	238		ZÀ, ZAG
ZÁḪ (= ḪA.A)	zah	12129+ 12000		HA.A	367	ḫa	ḪA = KU <sub>6</sub> , ZÁḪ (= ḪA.A)
ZAL	zal	1224C		NI	72	ni, né, (lí)	À, IÀ = Ì, NI, ZAL, LÍ
ZALAG	zl	12313		UD	316	ud, ut, pir	BABBAR, UD, U <sub>4</sub> , ÁD, TAM, TAM, UTU, ZALAG, BURANUN = ZIMBIR (= UD.KIB.NUN), È (= UD.DU), ZABAR (= UD.KA.BAR), ẂÁD
ZÁLAG	zl	1209F		ERIN <sub>2</sub>	327		ÉRIN = ÉREN, NUNUS, RÍN, ZÁLAG, ERIM, ZAB
ZAR	zar	121E1		LAGAB×SUM	181		LAGAB×SUM = ZAR
ZARAḪ	zr	12295+ 1227A+ 121B8		SAG.PA.LAGAB	192	šag, šak, šaq, riš	SAG, SUR <sub>14</sub> , ZARAḪ (= SAG.PA.LAGAB)
ze	ze.	12363		ZI	33	zi, ze	ZI
zé	ze2	12362		ZE <sub>2</sub>	108	zé, (zí)	ZÍ (= AB×PA)
ZÌ	zi3	12306		TUG <sub>2</sub>	212		TÚG = TU <sub>9</sub> , ÁZLAG, GI <sub>7</sub> = GIR <sub>15</sub> , ŠÈ, ZÍD = ZÌ
zi, ZI	zi.	12363		ZI	33	zi, ze	ZI

→ = replacement code    ✱ = irregular code

NesiliKeys Code List

sign value	autocode	unicode	glyph	ETCL sign name	HZL	Hittite	Sumerian or Akkadian
zí, ZÍ	zi2	12362	𒀵	ZE <sub>2</sub>	108	zé, (zí)	ZÍ (= AB × PA)
ZÍD	ziD	12306	𒀶	TUG <sub>2</sub>	212		TÚG = TU <sub>9</sub> , ÁZLAG, GI <sub>7</sub> = GIR <sub>15</sub> , ŠÈ, ZÍD = ZÌ
ZIMBIR (= UD.KIB.NUN)	→ br	12313+ 12112+ 12263	𒀶𒀵𒀶𒀵	UD.GIŠ%GIŠ. NUN	316	ud, ut, pir	BABBAR, UD, U <sub>4</sub> , ÁD, TAM, TAM, UTU, ZALAG, BURANUN = ZIMBIR (= UD.KIB.NUN), È (= UD.DU), ZABAR (= UD.KA.BAR), 𒀶ÁD
ZÍZ	ziZ	1203E	𒀶	AŠ <sub>2</sub>	241	tàš, (Ph. áš, Ph. áz)	ÁŠ, ZÍZ
ZÚ	zu2	12157	𒀶𒀵	KA	133	ka	DU <sub>11</sub> = DUG <sub>4</sub> , GÙ, INIM, KA, KIR <sub>4</sub> , ZÚ
zu, ZU, ZU	zu.	1236A	𒀶	ZU	209	zu	ZU, GÍN (HZL 209B ‘shekel’), ZU
ZU <sub>9</sub>	zu9	12189	𒀶𒀵	KA × UD	143		ZU <sub>9</sub> (KA × UD)
zul	zul	12084	𒀶𒀵𒀶	DUN	46	zul	ŠUL, SUL
zum, ZUM	zum	1236E	𒀶𒀵	ZUM	300	zum	SÚM, ZUM

→ = replacement code    ✱ = irregular code