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The acquisition of Hebrew Plurals:
A Morpho-Phonological account

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1. Introduction

1.1. Aims and goals

This thesis studies the effect of phonological factors on the acquisition of plural inflection of Hebrew nouns. Thus far the phenomenon of plural acquisition in Hebrew has been thoroughly analyzed from both semantically, morphologically and pragmatically oriented theories (Karmiloff-Smith 1979; Kaplan 1983). Such theoretically driven accounts were put forth in order to explain the observation that certain plural forms are acquired by the child earlier than others. The role which phonology may play in the process of this phenomenon has received but little particular attention (Levy 1980, 1983; Grinwald 1973, Ravid & Levin 2006 in preparation, Ravid & Schiff In Press). Nevertheless, the plural form undoubtedly bears several inherent phonological parameters that may govern the proceedings of its acquisition, as it involves interaction between morphological and phonological properties (Demuth 2001).

In a previous cross-sectional elicitation experiment of children's plural productions (Levinger 2006), some interesting tendencies were observed. One such tendency suggested that nouns exhibiting vowel alternations in their plural paradigm caused higher error-rates in children's plural productions, in comparison to cases in which no such alternations were required. This finding lends support to the main purpose of the current thesis, namely, to empirically account for the acquisition of the morpho-phonological alternation involved in singular-plural paradigm, and the correlation between the acquisition of different types of the morpho-phonological alternation and the plural suffixes. This will be carried out in the form of a developmental-longitudinal study of one child's spontaneous productions of plural nouns and her productions in a plural-naming elicitation task.

1.2. Language Background

1.2.1. The morphology of plural forms in Hebrew

Nouns in Hebrew are either feminine or masculine. Noun forms ending with the final segments *-a*, *-et*, *-it* and *-ut* are almost always feminine (Kaplan 1983), while the others are either masculine or feminine. The gender of animate nouns, agrees with that of their referents in the world, but the gender of inanimate nouns is grammatical, arbitrarily determined without any semantic or phonological consideration. Semantically related words can be marked for different genders (e.g. *ʔir* 'city fm.' vs. *mošáv* 'village ms.');

and so do phonologically similar words (e.g. *xérev* 'sword fm.' verses *dégel* 'flag ms.') as observed in Scharzwald (1982).

The plural marker is usually determined by the gender of the singular form by means of suffixation. Generally speaking, the plural suffix for the feminine is *-ot*, and for the masculine form *-im*. As Scharzwald (1991) notices, there are, however, quite a few exceptions, where a feminine noun takes *-im* (e.g. *nemalá–nemalím* 'ant(s)') and a masculine noun takes *-ot* (e.g. *xalón–xalonót* 'window(s)').

It is often the case that the base of the plural suffix is not phonologically identical to that of the singular form, from which we can infer that the plural formation involves some phonological processes. There are several types of morph-phonological alternations in the singular-plural paradigm of Hebrew nouns, some of which are exemplified below:

(1) Morph-phonological alternations in the singular-plural noun paradigm

Stress shift from the stem to the suffix		xatúl	xatulím	‘cat(s)’
Stress shift and V-Ø alternation	Final syllable:	maftéax	maftexót	‘key(s)’
	Penultimate syllable:	gamál	gmalím	‘camel(s)’
Stress shift, V-Ø alternation, and vowel alternation		kélev	klavím	‘dog(s)’
Cf. no alternation (the minority in terms of frequency)		tíras	tírasim	‘corn(s)’

In addition, some feminine singular suffixes are only partially maintained in the plural form, if at all (Bat-El 1989, 2007). This is exemplified below:

(2) The fate of the feminine singular suffixes in the plural forms (stress is on the suffix)

-it / -ut (suffixes with a high vowel): the vowel is retained and the <i>t</i> is substitute with <i>y</i>	sakít	sakiyót	‘bag(s)’
-et: the entire suffix disappears, and the stem final <i>e</i> alternates with <i>a</i>	rakévet	rakavót	‘train(s)’
-a: the suffix disappears	bubá	bubót	‘doll(s)’

Two main issues obviously arise:

- The acquisition of the morpho-phonological alternation involved in singular - plural paradigm.
- The correlation between the acquisition of the morpho-phonological alternation and the plural suffixes.

1.2.2. The range of ages in the acquisition of Hebrew plurals

The acquisition of the morphological system begins around the age of two between the two-word stage and three-word stage, (Slobin 1973, Brown 1973, Crystal *et al.* 1977), or more specifically what can be referred to as the first combinations stage. Both Levy (1980) and Kaplan (1983) have found that by the time they are about three years old, Hebrew-speaking children already master most basic elements of the inflection system and in particular the number inflection of nouns.

1.3. Literature review

1.3.1. The acquisition of inflectional morphology – previous findings

Acquiring inflectional morphology is not a quick or short process according to Clark (1998). In her opinion, the process begins with the analysis children must carry out of the structure of words in the input. They must also identify the stems from the affixes and map consistent meanings onto them. Most researchers agree that the acquisition of inflectional morphemes cannot be attained solely by rote-learning and must therefore include the learning of certain rules (Levy 1980, 1983, Miller and Ervin 1973). Even when nonce-words are presented, children manage to apply the correct rules and consequently produce the expected inflections (Berko, 1971; Derwing, 1979; Anisfeld & Tucker, 1973). MacWhinney (1975, 1978) claims that at the beginning of the acquisition, a process of rote learning must exist followed by the acquisition of rules that appear in two stages: first the child refers to the rules that determine the segments within the word (such as vowel deletion, vowel shortening etc.). Only then does the child acquire the phonological rules of affixation.

In Hebrew we find evidence for MacWhinney's claim about rote-learned words, but in this language such words are produced only in the minority of cases. However, when it comes to the order of rule acquisition, the situation in Hebrew seems to be reversed: first children learn to identify the base form from the suffix morpheme (Adam and Bat-El 2007) and only then do they begin to make the necessary alternations to the segments of the base.

As for the emergence of the first inflected forms, Brown (1973) remarks that following the stage of acquiring the phonological rules of affixation, there is a period in which the morphemes are being used by the child in an "unstable" way – sometimes being produced faithfully and sometimes unfaithfully in relation to the target forms. In his opinion, only after this intermediate period does the acquisition stabilize. Another attempt to break down the process of the acquisition is offered by Cazden (1973), who introduces fixed stages in the acquisition of the English morphological system. In stage I the morpheme fails to occur at all. Later, only few sporadic faithful productions of the morpheme are uttered by the child. In stage III there is a massive use of the morpheme, accompanied by both many errors and by over generalizations. Finally, the child masters the use of the appropriate morpheme in the proper linguistic context. Miller & Ervin (1973) add a fifth and final stage in which the child also masters the use of the irregular morphological forms.

1.3.2. The acquisition of Hebrew plurals – previous findings

Levy (1980) provides findings of both a longitudinal study and a cross-linguistic study of the acquisition of the Hebrew inflection for number. The two studies yielded the same results: four rather distinct stages could be observed and identified in the process of acquisition, as can be seen in table 3 below:

(3) Stages in the acquisition of Hebrew noun plural (based on Levy 1980)

Stage	Ages	Description
I	1;10.0-2;0.0	Morphological Appearance of plural forms. The children use the unmarked masculine plural suffix <i>-im</i> exclusively (overgeneralization). Phonological There is no attempt to shift stress or make necessary alternations in the singular's syllables (paradigm uniformity).
II	2;0.0-2;2.0	Morphological Nouns whose last segment is <i>a</i> receive the plural suffix <i>-ot</i>; all other nouns constantly receive <i>-im</i> (phonologically-based recognition of gender). Phonological Still there is no attempt to shift stress or make necessary alternations in the singular form.
III	2;2.0-2;4.2	Morphological Beginning of working out the pluralization patterns for feminine nouns ending in <i>t</i>. Phonological Still there is no attempt to shift stress or make the necessary alternations in the singular's syllables.
IV	2;5.0-2;10.0	Morphological & Phonological Appreciation of the full domain of the plural system including stress shifts and internal-vowel alternations.

Levy (1980), Grinwald (1973) Kaplan (1983) and Ravid & Schiff (In press) all report an observed tendency to acquire the masculine plural suffix earlier than the feminine one (see stage I). According to Levy, the role of phonology is in providing the cues for determining the plural suffix in later stages (see stages II and III). More specifically, Levy claims that the plural suffix is determined by the last segment of the stem, which is a phonological factor. Consequently nouns whose last segment is *a* receive the plural suffix *-ot*; and all other nouns constantly receive *-im* (i.e. phonologically-based recognition of gender). Similar findings regarding the role of phonology in the acquisition of morphology are reported for the acquisition of gender in Russian (Popova 1973), German (Böhme and Levelt 1979) and French (Karmiloff-Smith 1979).

As for the morpho-phonological alternation, there are no reports up to date that stress shifts from the stem to the suffix determine the order of the acquisition of the plural forms. However, as reported in Levy (1980) and Grinwald (1973), Hebrew-speaking children do not shift stress while inflecting nouns for number (see stages I-III). Nevertheless, as reported in Grinwald (1973) and Ravid & Schiff (In press), the presence of other morpho-phonological alternations affect the rate of errors, such that nouns which do not require major alternations in their stems while being inflected, are produced with significantly fewer errors.

Lending support to Grinwald's and Ravid & Schiff's findings is a more recent study of the same phenomenon. In Levinger (2006), the results of a cross-sectional experiment show that under the segmental alternations condition (i.e. V-Ø alternation or vowel alternation), the children's error percentage was highest, in comparison to nouns which did not require such alternations. Therefore, it seems that words which require a vowel change (e.g. *faár-feari'm* 'gate(s)', *dli-dlai'm* 'bucket(s)'), or deletion (e.g. *péca-pcai'm* 'wound(s)', *gviná-gvinót* 'cheese(s)') have the greatest effect on errors in production because alternations in a form's vocalic pattern can change it dramatically. The reason lays in the fact that prosodic structure is more prominent than the segmental structure. In addition, within

the segmental structure, changes in vowels are more momentous than consonantal alternations.

Consequently, such words were difficult for the children and they erred while inflecting them.

However, this prior experiment did not take into account the inherent differences between the two types of vowel alternations: vowel change – the segmental aspect of vowel alternation, and vowel deletion – the prosodic aspect. This thesis attempts to study the separate effects of these two aspects on the acquisition of plural noun forms, and distinguish the ways in which they influence the children's productions and error-rates.

2. Research method

2.1. General

The data presented in this paper were collected during a one-subject longitudinal developmental study. It comprised mostly of spontaneous plural productions but also of nouns uttered under the conditions of a visual elicitation design (the same elicitation design described in Levinger 2006 and discussed in §2.4 below). This latter technique included visual stimuli which were devised in order to encourage the child to perform a picture naming task that may reveal her knowledge of Hebrew plurals inflection. All of the child's plural utterances till the age of 2;10.03 were recorded, transcribed and encoded (CHILDES), and later analyzed.

2.2. The parameters

Several distinct phonological and morphological parameters were included in the analysis of this study. To begin with, a preliminary division of the child's productions to number of syllables was conducted. Only in the elicitation task, singular forms which had more than three syllables were excluded from this study. The reason for that was trying to prevent the noun's length from functioning as a confounding variable, which might deteriorate the children's performance in the task of inflecting nouns for number.

Next, the nouns were divided into two more groups on the basis of their final segment (vowel or consonant). Nouns ending with a consonant were further divided into two groups: nouns ending with *t* and nouns ending with all other consonants. The last division was devised in order to assess the influence of *t*-ending words of a feminine gender that receive the regular feminine suffix *-ot*. Such plural noun forms normally exhibit a morpho-phonological deletion of the stem's final *t* consonant. Nouns which have a final consonant other than *t* obviously do not exhibit such a prosodic deletion. Notice that the phonological parameter of the stem's final consonant is the one emphasized by Levi (1980, 1983) as being the sole clue which leads the child to the correct choice of plural inflection.

The third parameter was stress in the stem, i.e. in the singular form. Therefore, the nouns were also divided into stress pattern groups (whether ultimate, penultimate or antepenultimate stress). Then, the plural forms were added to the table and in each case a comparison was carried out between the stress pattern or behavior of the singular noun and its plural form. This was devised in order to examine the fourth phonological parameter - the occurrence of a stress shift or stress alternation between the singular and the plural form. A stress shift (i.e. mobile stress) was defined as a situation in which the stress in the plural form did not remain on the same syllable it was on in the singular form. An example for a stress shift may be that of *kadúr* 'a ball' which turns into *kadurím* 'ball(s)' in its plural form. In cases in which the stress did not switch syllables in the paradigm (e.g. fixed stress) no stress shift occurred as in *ti'ras-ti'rasim* 'corn'.

The following parameter to be accounted for was whether there were any segmental alternation (i.e. vowel alternations or consonant deletions) between the singular and the plural form. Another distinct parameter was prosodic alternations that referred to cases in which there was vowel deletion or vowel epenthesis (as in *maftéax-maftexót* 'key'). Finally, the last two parameters employed were regularity of the plural suffix and the existence of a dual suffix. The former referred to cases of regular

suffixation that was defined as one in which the suffix *–im* is attached to a masculine noun (e.g. *dág* – ms. 'fish' becomes *dagím* 'fish', pl. ms., and the suffix in this case would be regular), and the suffix *–ot* to a feminine noun (*xulcá* – fm. 'shirt' becomes *xulcót* 'shirts', pl. fm., and the suffix would be regular).

In contrast, an irregular suffix is one that is incompatible with the noun's gender (for example, the feminine suffix *–ot* may join the masculine noun *xalón* 'window' and create *xalonót* 'windows'). It is important to note that this mismatch between the noun's gender and the plural suffix can go both ways. The dual suffix parameter was added in order to account for nouns whose plural form was that of the *–aim* suffix (e.g. *régel-ragláim* 'foot'). In these cases the suffix could not be defined as either regular or irregular and therefore was treated separately.

The summary of all of the above parameters, which were examined in this study, is given in (4) below:

(4) The parameters of the analysis

a. Phonological properties of the singular form.

- I Number of syllables
- II Type of final segment (C or V)
- III Type of final consonant (t or other)
- IV Stress pattern (final, penultimate or antepenultimate)

b. Phonological alternations in the singular-plural paradigm

- I Stress alternation – stress shift (fixed or mobile)
- II Vocalic alternation (vowel quality)
- III Prosodic alternations (syllable structure)

c. Plural suffixes

I Form-gender relations (-*im* for ms. and -*ot* for fm.) – regular or irregular

II Dual suffix (-*aim*)

2.3. Subject(s)

The developmental data reported in this thesis was collected, as a part of a larger Hebrew-Arabic language acquisition project in the Linguistics Department of Tel-Aviv University. The child, a monolingual native speaker of Hebrew, was regularly recorded on a weekly basis, from the age of five months old till the age of 2;10.03, and all her productions were meticulously transcribed. Also, prior to the study, it was established that she had no known pathology in her linguistic, motoric or mental development. The parents were of a medial socioeconomic status with an academic education.

2.4. Instrument – elicitation task

2.4.1. *The construction of test-words and the configuration of the phonological parameters*

As mentioned earlier, several phonological parameters are involved in the process of inflecting nouns for number in Hebrew. In addition to the regular spontaneous data collection, the child was presented with a plural elicitation task. In this task, an attempt was made to include nouns with every possible configuration of phonological parameters.

Other than the parameters, there were several important factors that were taken into consideration while devising the test words. First of all, no nonce words were introduced into the noun list, and words that are probably acquired in their plural form were not included in the elicitation task (e.g. *kubiót* 'building-blocks', *koxavi'm* 'stars', *praxi'm* 'flowers').

In addition, words that exhibited stop-fricative alternation between the singular and the plural form were excluded as well. Finally, in the Segholates noun group,¹ efforts were made in order to make sure that these nouns will have alternations with regard to the inventory of their internal vowels (and not all will be of the form CáCaC). In each of the cases described above, a substitutional noun was provided if possible (if it existed in the language and could be represented visually). Eventually 50 target words were chosen for the experiment.

2.4.2. *The construction of the visual stimuli*

The decision to use visual stimuli was based on previous findings suggesting this to be the preferable procedure. In this task, every test word was matched to a compatible picture that visually described it. Each of these pictures portrayed a single occurrence of that test word (representing the singular form of the test word). Appealing, colorful pictures or photographs were chosen for each test-word. Then, each chosen picture was matched to another one presenting several items of the same object (representing the plural test word). Eventually, the experimental stimuli comprised of a set of 100 pictures; 50 of these pictures contained a single object (intended to elicit naming of singular form), and the other corresponding pictures contained a larger number of items of the same object (intended to elicit naming of plural forms).

2.5. Procedure

An elicitation task was chosen since such tasks are as similar as possible to natural situations of conversations or play-time, to which the child is accustomed, based on Levi's (1980) studies. The experimenter presented the child each item separately. First a picture of a singular object was presented

¹ Hebrew Segholates are characterized by penultimate stress and a specific template for the base of the plural suffix (CCaC-), as in *dégel* – *dgalim* 'flag(s)'.

and the child was asked to identify it. Once the child has named the item as requested, the experimenter proceeded to present the child with a picture of a few items of the same object. Then, the child was asked: "how do you call a few of these?" or "these two are...". This procedure was also used by Miller and Ervin (1964), Anisfeld and Tucker (1967), and MacWhinney (1975), among others.

The data analysis in this study referred to both faithfulness of production and production errors. The calculation of the child's performance regarding both targets and productions was carried out in the form of a production-type per-session count. Production errors were defined as such that deviated from the adult's target language, whether by altering the plural form when the target did not require such alternation, or by un-altering a stem the language required to be changed. Any segmental changes that the child performed, that had no relevance to the singular-plural paradigm, were disregarded in the analysis since they bore no significance to the purpose of this study. An example for such changes can be that of cluster simplifications or an irrelevant change in the quality of a vowel.

3. Thesis objectives and predictions

As mentioned earlier, both Grinwald (1973), Ravid & Schiff and Levinger (2006) suggest that words which require morpho-phonological alternations would be produced by children with significantly more errors than words that do not require such alternations. In Levinger (2006) for instance, changes in the vocalic pattern (vowel deletions or vowel alternations) resulted in the highest error-rates (13.28%) as opposed to words that required no segmental alternations while being conjugated into the plural (8.58%). These findings demand further investigation.

To begin with, the type of segmental alternations and its specific affect on production needs to be explored in detail. In this paper, a preliminary division into the properties of the phonological alternation in the singular-plural paradigm was conducted. Namely, nouns that required a change(s) in their vowel quality were analyzed as inducing a segmental vocalic alternation. On the other hand, nouns that required a change(s) in their syllable structure were referred to as such that demand a

prosodic alternation. One of the questions that arise when following these definitions is to which extent do these two types of alternations affect children's acquisition of such plural forms? Is one more significant than the other?

Generally speaking, it seems viable to assume that prosodic alternations in the single-plural paradigm will have a greater affect on children's productions. The rational behind this prediction is that this type of alternations may change the form of the noun dramatically, rendering it non-transparent and therefore difficult for children to grasp the relation between the singular and the plural. Also, as mentioned earlier, the prosodic structure is perceptually more salient than the segmental structure, and within the segmental structure, vowels are more salient than consonants. .However, this paper attempts to examine this prediction empirically by comparing the error-rates in the productions of nouns that require only segmental alternation verses nouns that require only prosodic alternations.

The second question in the scope of this paper is the correlation between the acquisition of the morpho-phonological alternation and the plural suffixes². This question refers to the existence of a conjoined effect of the two distinct parameters: that of the plural suffix and that of the possible alternations. I shall try to prove that such a correlation is indeed apparent in children's acquisition, so that nouns which have irregular suffixes in addition to significant alternations will be produced with higher error-rates than nouns which have only one of these separate parameters.

The analysis of the child's productions will be carried out from two perspectives (as shown in (5) below):

² In addressing the correlation assumption, I refer to either segmental or prosodic alternations as phonological alternations.

(5) Further analysis

- a. Target – Were there any parameters in the target language that could have affected the child's attempts, or selection of nouns for production. And if so, what were these parameter(s)?
- b. Production – Which parameters had the greatest influence on the faithfulness of the child's productions?

Regarding the first perspective I shall try to examine whether the child has a "tendency" towards nouns which bear a specific parameter(s) and therefore prefers to attempt to produce such forms in contrast to all other forms. The second perspective refers to the child's actual productions and the extent to which they are faithful to the adult's language. In other words, in the light of the parameters hypothesized to govern the acquisition, I shall try to account for both the child's preliminary choice of nouns for production; and once the choice is made, the degree to which her productions are in accordance to the target language.

4. Results

The developmental data accumulated in this study is presented in appendix 1 (general results) and appendix 2 (results by type of noun). After examining the results of the target words chosen for production together with the child's actual productions, I distinguished (as Levi 1980) four rather distinct stages in the acquisition of Rotem's plural paradigm:

(6) The stages of development of the plural nouns in Rotem's data

- a. Stage I: ages 1;05.29-2;00.02
- b. Stage II: ages 2;00.09-2;01.19
- c. Stage III: ages 2;01.27-2;04.19
- d. Stage IV: ages 2;04.25-2;10.03

The preliminary division into 4 distinct stages was conducted on the basis of observations emerging from the results of the data analysis. The first stage is characterized by a strong preference for dual and feminine suffixes that adjoin disyllabic stems mostly, or sometimes monosyllabic singular forms. This stage presents almost no production errors whatsoever, which leads to the assumption that all the utterances of plural forms may be a result of rote-learning. This indicates a lack of singular-plural paradigm within the child's grammar and therefore a lack of productive morphology.

The second stage is marked by the emergence of nouns whose targets are trisyllabic in their singular form. Another feature of this stage is the increasing use of the masculine suffix *-im*. The third stage demonstrates for the first time the materialization of productive morphology. This is evident from the presence of phonological alternations that the child is beginning to utilize, such as stress shifts, and prosodic or segmental alternations. The child at this point is beginning to work out the domain of the singular-plural paradigm as she tries to grasp the implication of conjugating a plural utterance from the stem.

Finally, at the last stage of acquisition (according to the present data), the child exhibits for the most part faithful productions and adherence to the necessary alternations required by the target language. She has at this stage a fairly good appreciation of the singular-plural paradigm as well as the strategies and sources to deal with new and unfamiliar nouns. The specific characteristics of each of the four stages mentioned above will be discussed in detail in the following sections.

4.1. Results by target

I shall begin by describing and exploring the data analysis of the target words, with regard to the experimental parameters. These target words were selected by the child for production, and as mentioned earlier, refer to the attempts the child made at production and not to her actual production, which will be discussed later on (§4.2). A detailed presentation of the target analysis is given in appendix 3 (qualitative analysis), and appendix 4 (quantitative data).

4.1.1. Number of syllables

The following table displays the child's results regarding the number of syllables in the singular form of attempted target plural nouns.

(7) Number of syllables in the singular forms of the attempted plurals

Stage	Parameter Frequency Data	Number of 6 in the sg.			
		16	26	36	46
I	N	1	27	6	0
	%	2.94	79.41	17.65	0.00
II	N	6	28	9	0
	%	13.95	65.12	20.93	0.00
III	N	11	57	12	0
	%	13.75	71.25	15.00	0.00
IV	N	34	194	59	1
	%	11.81	67.36	20.49	0.35

As can be seen, at stage I of the acquisition, the child prefers target words that consist of two syllables in their stems, and only few words whose stems are three syllables long are selected. Also, there are almost no stems that are mono-syllabic (only one noun in the data - *ʃen* 'tooth') or have four syllables

(no such nouns are selected by the child). This can imply that at this point in the acquisition, the child is in the Minimal-Word stage (Demuth & Fee, 1995). At this stage, children's productions are limited to one foot, which in Hebrew it is fulfilled by two syllables (Ben-David 2001, Adam 2002). This is also apparent in the child's target attempts, which are mostly disyllabic. Note that the trisyllabic nouns in the data (6 all in all) end with the feminine suffix *-a*, and do not require stress shift. An example for these nouns is: *kubiyá* 'block', *seará* 'hair', and *madbeká* 'sticker'.

In my previous cross-sectional study, words of this pattern were less prone to production errors by the children, in comparison to all other noun patterns. This suggests an early preference to di- or trisyllabic words but only if they have a final non-marked *a* vowel and do not require neither a stress shift nor a prosodic alternation while being inflected into the plural form (i.e. of the pattern CVCVCá → CVCVCót). At stage II the state of affair remains mostly alike. The difference lays in the fact that now, both mono and trisyllabic nouns become more widespread in the child's data. The most prevalent three-syllable stems have the same characteristics as in stage I, i.e. do not require stress shift and have the feminine suffix *-a* (e.g. *sukaryá* 'candy', *nemalá* 'ant'). At this stage, the most frequent stems are still the disyllabic ones.

At stage III the number of one and three syllables stems increases. At this stage, finally trisyllabic stems with different phonological patterns appear (i.e. different patterns than CVCVCá), as *dʒíráfa* 'giraffe', *maftéax* 'key', and *tabáat* 'ring'. However, four syllables stems are yet to appear.

Only at stage IV does one such stem appear (*avati'ax* 'watermelon'). Again, it appears that the most frequent stems in the child's selected targets are those with two syllables, followed by three syllables stems and finally, a fair amount of monosyllabic nouns. These results are not surprising, as the most common stems of Hebrew nouns are disyllabic, and hereby affecting children acquiring the language to display a preference exactly to such nouns.

4.1.2. Stress pattern – singular

The next parameters to be discussed under the target analysis are the stress pattern in the singular form and the type of final segment. The table below presents the child's selected target in each stage of acquisition.

(8) Stress in the singular form (by type of the final segment)

Stage	Parameter Frequency Data	Stress in the sg.								
		Ante-Penult.			Penult.			Final		
		Final segment			Final segment			Final segment		
		C		V	C		V	C		V
		t	a.o		t	a.o		t	a.o	
I	N	0	0	0	0	18	0	0	6	10
	%	0	0	0	0	52.94	0	0	17.64	29.41
	Total %	0			52.94			47.05		
II	N	0	1	0	2	11	2	0	10	17
	%	0	2.32	0	4.65	25.58	4.65	0	23.25	39.53
	Total %	2.32			34.88			62.78		
III	N	0	0	0	1	19	5	0	33	22
	%	0	0	0	1.25	23.75	6.25	0	41.25	27.5
	Total %	0			31.25			68.75		
IV	N	2	4	0	6	75	19	6	106	70
	%	0.69	1.38	0	2.08	26.04	6.59	2.08	36.80	24.30
	Total %	3.07			34.71			63.18		

At stage I, the child exhibits a clear preference for stems with penult stress that end with a consonant other than *t*. The second most frequent stress pattern is final stress with vowel-ending nouns; followed by consonant-ending stems (also with consonants other than *t*). At this point there are no antepenult words, as the child does not select nouns longer than disyllabic ones. At stage II, the child displays a

reverse preference in the stress pattern of the singular form, such that nouns with final stress become more frequent than with penultimate stress. Also, there is one noun in the data that has an antepenult stress (e.g. *ótobus* 'bus'). Note that at this stage a greater diversity in the type of final segment in the stem appears, and the child begins to choose some *t*-ending nouns as targets (for example *báit* 'house').

Stage III has similar characteristics apart from the fact that the preferred stem pattern is final stress with a consonant (other than *t*) ending stem, followed by vowel ending stems with the same stress. The frequency of penult stems ending with consonant (other than *t*) follows only then, and the least frequent penult pattern is that of stems with a final vowel. At this stage, none of the three syllable nouns chosen for productions have an antepenult stress pattern, which is apparently the most marked one in the child's grammar at this point (and also in the language).

However, at stage IV, the child's grammar seems to have overcome this past difficulty and she attempts to produce words whose stems comprise of an antepenult stress pattern (*kórkinet* 'scooter', *hámberger* 'hamburger', *télefon* 'telephone'). It should be noted that almost all of these six words were loan words which were part of the visual elicitation task in which the experimenter tried to engage the child in a naming task. Therefore it is possible that this child would not have attempted such nouns in a spontaneous manner. The remaining data is very similar to the observations made for stage III.

Consequently, it appears that at the beginning of the acquisition the child has a preference for singular forms with a penult stress, but as the acquisition progresses, she is shifting towards a strong and consistent preference for a final stress pattern. This coincides with the claim made in Adam and Bat-El (2007) that the most prominent factor in the early acquisition of stress is the universal trochaic foot (non final stress), which leads children towards a penult stress pattern. However as they move on in the process of the acquisition it seems that the most prominent factor becomes frequency (in the absence of a regular stress system as is the case in Hebrew). As the most frequent stress pattern in Hebrew is a final one, we would expect final stress to be the most prevalent one in the child's grammar

and we would also expect overgeneralization with regard to the actual productions made by the child and not only her attempts at production.

4.1.3. Stress pattern – plural

The next parameter to be discussed is the stress pattern in the plural form of the target nouns.

(9) Stress in the Plural forms

Stage	Parameter Frequency Data	Stress in the pl.		
		Ante-Penult. / Pre-Ante Penult.	Penult.	Final
I	N	0	20	14
	%	0	58.82	41.17
II	N	1	16	26
	%	2.32	37.20	60.46
III	N	1	19	60
	%	1.25	23.75	75
IV	N	19	63	213
	%	6.44	21.35	72.20

Following our line of analysis, we see that the child's preference towards the penultimate stress pattern at the earliest stage is maintained under this parameter as well. Again, we find that from stage II on, a final stress pattern in the plural form prevails in Rotem's selections. Here, only at the forth stage of the acquisition do we see a rather fair amount of antepenult stressed noun plurals.

4.1.4. Stress alternation – stress shift

The mobility of stress was the next parameter to be analyzed in the target nouns selected by the child.

The following table presents the results of this analysis.

(10) Stress Shift

Stage	Parameter	Stress Shift	No Stress Shift
	Frequency Data		
I	N	24	10
	%	70.59	29.41
II	N	25	18
	%	58.14	41.86
III	N	56	24
	%	70.00	30.00
IV	N	194	94
	%	67.36	32.64

Throughout the stages of the acquisition the child shows a clear and consistent preference for target forms that require a stress shift (e.g. *báit-batí'm* 'house(s)') in comparison to forms that do not require a stress shift while being inflected into the plural (e.g. *madregá-madregót* 'stair (s)'). This falls in line with Hebrew's tendency to require a stress shift in the plural form of most nouns. Based on the Hebrew dictionary compiled by Shmuel Bolozky and coded by Michael Becker, 23.26% (2773/11,920) of Hebrew nouns do not exhibit stress shift (immobile). This percentage reduces to 14.36% (814/5667) in

disyllabic nouns, characterizing most native nouns and most stems of Rotem's attempted plural forms (see (8)). Thus, while nouns without stress shift are in the minority in the child's attempts, their frequency is higher than in the language.

4.1.5. Vocalic alternation

We now turn to the analysis of segmental alternations in the stem of the plural form, demonstrated in table (11) below.

(11) Segmental alternations

Stage	Parameter Frequency Data	Segmental Alternation	No Segmental Alternation
I	N	12	22
	%	35.29	64.71
II	N	10	33
	%	23.26	76.74
III	N	19	61
	%	23.75	76.25
IV	N	57	231
	%	19.79	80.21

Here we also see an across the board tendency for a certain value of the phonological parameter. Rotem's data show that for the most part she selects target nouns that do not require any segmental alternations (*tmuná-tmunót* 'picture(s)'), in comparison to nouns that do require such changes (*áin-*

eináim 'eye(s)'). This observation refers to all stages of the acquisition. It seems that the more advanced the child becomes in her development, the greater the tendency to choose targets with no segmental alternations. Based on our current data, I have no ready explanation for the above results, and further research is necessary in order to determine the source of this observed tendency towards nouns without segmental alternations.

4.1.6. Prosodic alternation

Now we turn to the analysis of the other type of phonological alternations – prosodic alternations. The results of the analysis for this parameter are given in the table bellow.

(12) Prosodic alternations

Stage	Parameter Frequency Data	Prosodic Alternation	No Prosodic Alternation
I	N	20	14
	%	58.82	41.18
II	N	22	21
	%	51.16	48.84
III	N	40	40
	%	50.00	50.00
IV	N	148	140
	%	51.39	48.61

At stage I of the acquisition we can detect a tendency for the selection of targets that require a prosodic alternation (e.g. *siká- sikót* 'pin(s)'), in comparison to targets that do not require such an alternation (e.g. *náal-naaláim* 'shoe(s)'). Beginning from stage II on, the child exhibits an almost identical preference for both types of target nouns, such that she does not rely on the target's "need" for prosodic alternation

in her selection of words for production. Both kinds of target are equally acceptable and treated alike by Rotem. It therefore seems that the existence or lack of a prosodic alternation does not have an effect on her selections. This finding remains unexplained under the current data, and requires further exploration.

4.1.7. The plural suffix

The last parameter regarding the target nouns was the type of plural suffix. The results for the regular, irregular and dual suffixes are given in the table bellow.

(13) Plural suffixes

Stage	Parameter Frequency Data	Regular		Irregular		-aim
		<i>-im</i>	<i>-ot</i>	<i>-im</i>	<i>-ot</i>	
I	N	2	10	1	0	20
	%	16.67	83.33	100.00	0.00	100.00
	Total %	36.36		3.03		60.6
II	N	11	11	3	3	15
	%	50.00	50.00	50.00	50.00	100.00
	Total %	51.16		13.95		34.88
III	N	36	22	2	2	18
	%	62.07	37.93	50.00	50.00	100.00
	Total %	72.5		5.00		22.5
IV	N	132	83	7	23	42
	%	61.40	38.60	23.33	76.67	100.00
	Total %	74.91		10.45		14.63

Stage I is characterized by a major use of both the *-ot* and the *-aim* suffixes, with a very strong tendency towards the use of the dual suffix *-aim* (60.6%). Only three nouns with the plural suffix *-im* are selected, and only one with an irregular suffix (e.g. *cipór- cipori'm* 'bird(s)' fm.). At stage II the frequency of *-aim* decreases (34.88%) and that of *-im* and *-ot* raises. This results in similar distribution of all three suffixes, where that of *-im* and *-ot* is identical. We can also observe a rise in the frequency of nouns with irregular suffixes, though it is still, as expected, lower than that of the regular nouns. Also, at this point the selection of regular suffixed nouns becomes more frequent than that of nouns with the dual suffix.

In the third and fourth stages, the same tendencies as in stage II can be observed, with the addition of a further rise in the inclination towards a regular suffix, mostly the masculine one alongside with a decrease in the amount of target forms with a dual suffix. Also, according to this child's data, quantitative-wise, the masculine suffix is more widespread than the feminine one. To sum matters up, from stage II on, the most frequent suffix is the regular one, followed by the dual suffix and nouns that require an irregular suffix are the least prone for selection.

Previous studies (Levy, 1980; Grinwald, 1973; Kaplan 1983 and Ravid & Schiff's, In press) have shown that the masculine suffix *-im* is acquired earlier on in the process of acquisition than the feminine suffix *-ot* and that the children seemed to use the masculine form as the default plural suffix. This suffix was also found to be highly more frequent in their language but also in their input. A recent study made use of a corpus of 136 famous children's books in order to examine the sort of input the children are exposed to during their early years (Ravid & Levin 2006, in preparation). This study showed that the most common input by far (with regard to plural nominal forms) was that of regular plural nouns ending with *-im*.

The significance of this finding is that in Hebrew the masculine suffix is not only the default but also the more frequent one. However, in Rotem's data as mentioned earlier, it seems that the feminine suffix together with the dual suffix prevails over the selection of masculine forms at the very beginning

of the acquisition. I suspect that at the onset of the acquisition most of the feminine-ending and dual-suffixed nouns are actually rote-learned forms. As mentioned earlier, stage I mostly lacks productive morphology and therefore my findings regarding this stage do not necessarily differ from previous studies that probably disregarded unproductive utterances. In any case, in later stages our findings clearly fall in line with the above mentioned studies; hence the masculine form becomes the more frequent one.

Nevertheless, the ratio between the suffixes in the irregular category is reversed from that found in the regular one. At the last stage of Rotem's acquisition we find that there are more irregular forms bearing the feminine suffix than the masculine one. This finding is problematic if we examine it in the light of Schwarzwald's report from 1991. She has found that in the Modern Hebrew dictionary there are over 200 masculine nouns with the irregular *-ot* suffix but only about 50 feminine nouns with the irregular *-im* suffix. Hence the feminine plural form is more regular than the masculine plural form in the sense that *-ot* has less sub-categorization violations (i.e. if we see an *-ot* suffix on a noun, it is more likely to be of a feminine gender). In Rotem's data however, it seems that under the regular suffix category, she prefers the *-im* ending targets, but when it comes to the irregular suffix category, she selects more targets that require a feminine suffix. This finding requires further research to determine whether other children's developmental data coincides with that reported in my study or that observed in Schwarzwald's work.

After analyzing the results of the target frequencies in Rotem's selected words for production, we must turn to the analysis of her actual productions. The following section give a detailed account on the data collected throughout the developmental study of the child's utterances.

4.2. Results by production

The results of the production analysis are given in appendixes 5 and 6 (qualitative and quantitative respectively). As can be seen in the table (14) bellow, for the most part of the data the child attempts to produce a plural form (431 faithful attempts), and only in the minor of cases (81 utterances) does she result to the production of the singular form or no form whatsoever while trying to work out the singular-plural paradigm. This issue will be elaborately discussed in the post-analysis section (§4.3). In those cases in which the child actually produces a plural form, across all experimental parameters, the frequency of the child's errors is much lower than that of her faithful productions. We can therefore assume that this particular child prefers to master the use of a form to some extent before attempting to produce it, a fact whose consequences are rather low error-rates.

I shall now turn to a more detailed and elaborate report based on the data in the following table, and the generalizations emerging from the results of our analysis. This will be carried out in much the same fashion as the presentation of the target analysis above, under the same division into four developmental stages.

(14) General results – over stages

Parameters Productions	Plural production vs. No Plural Production/ Sg. Production ³	Stress in the sg.									Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
		Ante-Penult.			Penult.			Final			Ante-Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim
		Final segment			Final segment			Final segment											
		C		V	C		V	C		V									
		t	a.o		t	a.o		t	a.o										
Number of production "errors" (No pl. produc. / sg. produc.)	81	0	0	0	0	1	1	1	1	6	2	5	8	13	19	41	12	13	1
Percentage of production "errors" (No pl. produc. / sg. produc.)	15.82	0	0	0	0	2.38	4.55	14.29	1.59	11.54	25.00	4.27	2.61	3.04	4.42	9.57	4	31	0.98
Number of faithful productions	431	2	4	0	8	41	21	6	62	46	6	112	298	415	411	387	274	29	101
Percentage of faithful productions	84.18	100	100	0	100	97.62	95.45	85.71	98.41	88.46	75.00	95.73	97.39	96.96	95.58	90.42	96	69	99.02

³ Faithful productions in this category refer to plural productions whereas a production "error" refers to producing the singular form for a plural production or failing to utter any form.

4.2.1. Stress pattern – singular

We must now turn to the experimental parameter regarding the child's results for the plural productions. First we need look into the stress behavior in the singular form and the type of final segment of the stem. The next table presents the results of this analysis.

(15) Stress in the singular (by the type of the final segment)

Stage	Parameter Production	Stress in the sg.								
		Ante-Penult.			Penult.			Final		
		Final segment			Final segment			Final segment		
		C		V	C		V	C		V
		t	a.o		t	a.o		t	a.o	
I	Number of production "errors"	0	0	0	0	0	1	1	1	4
	% of production "errors"	0	0	0	0	0	14.28	14.28	14.28	57.14
	Total % of production "errors"	0			14.28			85.71		
	Number of faithful productions	0	0	0	0	1	0	0	1	4
	% of faithful productions	0	0	0	0	16.66	0	0	16.66	66.66
	Total % of faithful productions	0			16.66			83.32		
II	Number of production "errors"	0	0	0	0	0	0	0	0	0
	% of production "errors"	0	0	0	0	0	0	0	0	0
	Total % of production "errors"	0			0			0		
	Number of faithful productions	0	0	0	1	3	2	0	2	3
	% of faithful productions	0	0	0	9.09	27.27	18.18	0	18.18	27.27
	Total % of faithful productions	0			54.54			45.45		
III	Number of production "errors"	0	0	0	0	0	0	0	0	0
	% of production "errors"	0	0	0	0	0	0	0	0	0
	Total % of production "errors"	0			0			0		
	Number of faithful productions	0	0	0	0	3	4	0	7	7
	% of faithful productions	0	0	0	0	14.28	19.04	0	33.33	33.33
	Total % of faithful productions	0			33.32			66.66		

Stage	Parameter Production	Stress in the sg.								
		Ante-Penult.			Penult.			Final		
		Final segment			Final segment			Final segment		
		C		V	C		V	C		V
		t	a.o		t	a.o		t	a.o	
IV	Number of production "errors"	0	0	0	0	1	0	0	0	2
	% of production "errors"	0	0	0	0	33.33	0	0	0	66.66
	Total % of production "errors"	0			33.33			66.66		
	Number of faithful productions	2	4	0	7	34	16	6	52	32
	% of faithful productions	1.30	2.61	0	4.57	22.22	10.45	3.92	33.98	20.91
	Total % of faithful productions	3.91			37.24			58.81		

Based on the faithfulness frequency data in table (15) we can say that at the first stage of acquisition this child has a preference for a final stress pattern with a vowel-ending stem. This is followed by a final stress with a final consonant other than *-t* and only then by a penult stress. This finding differs from the previous findings of the target analysis. This is to say that here, for the first time we encounter a preference in the earliest stage of the acquisition for a final stress pattern rather than a penult one. However, since the first stage is characterized by a somewhat small amount of plural productions to begin with, this last observation can be a case of mere coincidence. This assumption assumes more validity when we turn to look at the second stage of the acquisition. Here, we can clearly see the familiar pattern of preference towards a penult stress pattern (with a final consonant other than *-t*) and the lower frequency belongs to the ultimate stress pattern. In addition, at this stage we find a greater versatility in the types of final segments under nouns with a penult stress pattern (e.g. *léxi* 'cheek', *régel* 'foot', *báit* 'house').

At the third stage again we can detect a shift from the universal trochaic bias towards the language specific higher frequency stress pattern – final stress. The last stage bears the same characteristics as its precedent with the addition of the nouns with antepenult stress appearing (e.g. *téléfon* 'telephone',

řágukeř for the target *hámburger* 'hamburger'). But even then these latter are only a mere few (2 nouns out of a total 153 productions in the fourth stage).

4.2.2. Stress pattern – plural

The results regarding the stress pattern in the plural form parameter are presented in the following table. A stress error was referred to as a failure to produce the stress on the same syllable it falls on in the adult's plural target in Hebrew.

(16) Stress in the Plural form

Stage	Parameter Production	Stress in the plural productions		
		Ante-Penult. / Pre-Ante Penult.	Penult.	Final
I	Number of production "errors"	0	1	1
	% of production "errors"	0	50	50
	Number of faithful productions	0	24	13
	% of faithful productions	0	64.86	35.13
II	Number of production "errors"	1	0	1
	% of production "errors"	50	0	50
	Number of faithful productions	1	17	37
	% of faithful productions	1.81	30.90	67.27
III	Number of production "errors"	0	2	3
	% of production "errors"	0	40	60
	Number of faithful productions	1	20	64
	% of faithful productions	1.17	23.52	75.29
IV	Number of production "errors"	1	2	3
	% of production "errors"	16.66	33.33	50
	Number of faithful productions	4	51	184
	% of faithful productions	1.67	21.33	76.98

At stage I, the frequency of production errors is identical to both final and penultimate stress, whereas the faithfulness frequency is twice as high in the penult stress pattern as in the final stress pattern. This finding coincides with that of stage I in the target selection in Rotem's data. Once again we find a tendency towards the universal trochaic foot at stage I of plural acquisition. From stage II on, the frequency of both the production errors and the faithful productions under the final stress pattern are higher than those in the penultimate stress pattern. This again can be considered as evidence that the child is producing more nouns of this type and approaching the adult's more frequent language-specific stress pattern – final stress.

Plural forms that display an antepenult stress pattern demonstrate the lowest frequencies for both productions errors and faithful productions. This indicates that the child is not inclined to produce such nouns at all and when she does, they will always be uttered less faithfully than other forms with more prevalent stress patterns in the language.

4.2.3. Stress shift

After reviewing the results for the stress pattern of the singular and the plural form we turn to examine the child's productions under the stress shift parameter (as presented in the following table). A stress error was referred to as a failure to produce the stress on the same syllable it falls on in the adult's plural target in Hebrew (i.e. whether or not there was a stress shift in the plural target form).

(17) Stress Shift

Stage	Parameter	Stress Shift	No Stress Shift
	Production		
I	Number of production "errors"	0	1
	% of production "errors"	0	100
	Number of faithful productions	28	10
	% of faithful productions	73.68	26.31
II	Number of production "errors"	1	0
	% of production "errors"	100	0
	Number of faithful productions	31	24
	% of faithful productions	56.36	43.63
III	Number of production "errors"	5	0
	% of production "errors"	100	0
	Number of faithful productions	57	28
	% of faithful productions	60.05	32.94
IV	Number of production "errors"	5	1
	% of production "errors"	83.33	16.66
	Number of faithful productions	161	76
	% of faithful productions	67.93	32.06

From looking at the above table we can see that except for stage I, the child tends to err more while producing plural forms that require a stress shift (e.g. *ótobusi* for the target *ótobus-otobúsím* 'buses'), in comparison to forms that do not require such an action (e.g. *naláim* for the target *náal-naaláim* 'shoes'). This finding appears to stand in contrast to the previous reports such as Levy's (1980) and Grinwald's

(1973) which claimed that Hebrew-speaking children do not shift stress while inflecting nouns for number. Our data however, show that the child did produce a fair amount of plural productions that required a stress shift, even if her actual utterances resulted in some production errors. Table 17 also reveals that Rotem has a very distinct tendency to produce nouns with stress shift more faithfully, in comparison to words that do not require any stress alternation. The explanation for this phenomenon probably lays in the fact that most Hebrew nouns do require a stress shift while being inflected for the plural. Therefore the child will naturally exhibit many faithful utterances for such words, together with a higher amount of production errors merely because such words are more frequent in the target language, and since she encounters the need to attempt those more often.

4.2.4. Vocalic alternation

Next, we turn to the results of the segmental alternation parameter, presented in the table bellow.

(18) Segmental Alternations

Stage	Parameter Production	Segmental Altern.	No Segmental Altern.
I	Number of production "errors"	3	0
	% of production "errors"	100	0
	Number of faithful productions	14	22
	% of faithful productions	38.88	61.11
II	Number of production "errors"	2	0
	% of production "errors"	100	0
	Number of faithful productions	11	43
	% of faithful productions	20.37	79.62

Stage	Parameter	Segmental Altern.	No Segmental Altern.
	Production		
III	Number of production "errors"	4	1
	% of production "errors"	80	20
	Number of faithful productions	19	66
	% of faithful productions	22.35	77.64
IV	Number of production "errors"	2	7
	% of production "errors"	22.22	77.77
	Number of faithful productions	40	196
	% of faithful productions	16.94	83.05

The above table allows us to determine that throughout all stages, words that do not require any segmental alternations (e.g. *mixnás-mixnasáim* 'pants') are produced much more faithfully than words that do require such changes to their stems (e.g. *yéled-yeladi'm* 'child(ren)'). Also, in the first three stages of the acquisition, the child's error-rate is higher for stems that need to be segmentally-altered in their plural forms, in comparison to stems that do not need such alternations. In the last stage the situation seems to be reversed as the higher error-rate is found in words that do not require any segmental alternations. This can be a mere coincidence, and in any case does not deter from the fact that this child obviously prefers and succeeds to produce nouns without segmental alternations to a greater extent than nouns that require such changes. Thus far, our data cannot provide a ready explanation for these observations, and the issue clearly requires further investigation.

4.2.5. Prosodic alternation

We now move on to the analysis of the other type of phonological alternation parameter – prosodic alternation in the plural form. See table (19) below for the production results of this parameter.

(19) Prosodic Alternations

Stage	Parameter	Prosodic Altern.	No Prosodic Altern.
	Production		
I	Number of production "errors"	0	0
	% of production "errors"	0	0
	Number of faithful productions	22	17
	% of faithful productions	54.41	43.58
II	Number of production "errors"	1	7
	% of production "errors"	12.5	87.5
	Number of faithful productions	28	19
	% of faithful productions	59.57	40.42
III	Number of production "errors"	5	3
	% of production "errors"	62.5	37.5
	Number of faithful productions	38	43
	% of faithful productions	46.91	53.08
IV	Number of production "errors"	19	6
	% of production "errors"	76	24
	Number of faithful productions	110	109
	% of faithful productions	50.22	49.77

As can be seen in the above table, generally speaking, the amount of faithful productions is higher when the stem of the plural form does require a prosodic alternation (e.g. *sukaryá-sukaryót* 'candy').

This may be due to the fact that most forms in the children's input (i.e. in Hebrew) require prosodic alternation rather than no prosodic change. We can therefore claim that since the prosodic alternation noun category is the more frequent one in the target language, it comes as no surprise that the child has more faithful plural productions of this type.

As for the error rates tendencies, they are not as clear as the faithful production-rates. In stage I, there are no errors whatsoever, but in the successive stage there is an inclination in errors towards nouns that do not require a prosodic alternation (i.e. the percentage of production errors is much higher for plurals without any prosodic alternation). This falls in line with our results regarding the frequency of the faithful productions. However, the situation with the error-rates seems to be the opposite under the two last stages, as the child errs more while producing plurals that do require an alternation. Hence, this specific finding remains unclear and requires further research.

Even though we cannot completely account for the tendencies found for the error analysis, it is imperative that we further examine the nature of phonological errors that the child exhibits. By looking closely at the data we can distinguish several types of production errors (examples of the error types are given in the following table). The first type is that of inserting syllables while producing the plural form. This alternation is the least frequent one in the child's data (only one occurrence throughout the stages). The extremely low frequency shows that the child tries to avoid this strategy or that this single utterance is a mere coincidence.

The second type of production errors is a required alternation that the child fails to perform. This is due to an attempt to preserve paradigm uniformity and maximal maintenance of transparency between the singular and the plural form. Hence the child adds the plural suffix but avoids any necessary prosodic alternations (mostly a required vowel deletion). This type is more common (1 such error

productions in stage II, 4 in stage III and 13 in stage IV) and happens both to Segholates and other word patterns. This frequent error can be seen in cases in which the target language requires the plural form to display a consonant cluster by means of vowel deletion. I prepose that aside for the obvious transparency argument; it is conceivable that the child in these cases maintains the vowel in order to avoid a violation of NOCOMPLEX (a constraint that disallows the occurrence of adjacent consonants). By not complying with the deletion demand, the child produces simple un-clustered plural forms.

Finally, we find that the child also tends to omit some syllables from the stem when the form consists of a rather large number of syllables. In the fourth stage it appears that most of the "truncated nouns" were new and infrequent words that were presented to the child during the elicitation task, and probably would not have been produced spontaneously by her. In any case, the truncation strategy looks more than reasonable when we examine the entire data accumulated in this study.

First, the target data has shown that across the stages the child strongly avoids selecting nouns whose singular form consists of four syllables (only one such word is attempted). Moving on to the production data we can see that from a total of 431 plural productions only 18 were four syllables long token-wise, and only 9 type-wise (e.g. *maze:sáim* for the target *mixnasáim* 'pants', *pahofáim* for *magafáim* 'boots', *aniláim* for *naaláim* 'shoes', *ótobusi* for *otobúsím* 'buses', *enaadí'm* for *yeladí'm* 'children', *agaláim* for *ragláim* 'feet', *livatáim* for *livyatani'm* 'whales', *sevovani'm* for *svivoni'm* 'spinning-tops' and *maxoniyót* for *mexoniót* 'cars'). We can therefore conclude that this child does not only exhibit a strong preference for disyllabic nouns (Minimal Word constraint) but also may have a constraint against nouns longer than three syllables. In other words I assume that Rotem also has a maximal syllable constraint in her grammar that reduces her to attempt and produce words that are shorter than four syllables. A simpler assumption may be that the strong tendencies that Rotem displays are actually a reflection of the state of affairs in the language, which mostly consists of disyllabic noun forms.

(20) Types of Prosodic errors

Stage	Syllable insertion	A failure to perform necessary prosodic alternation)	Syllable deletion (Shortening of plural forms)	Miscellaneous
I	-	-	-	-
II	-	<i>báit-batí'm</i> → <i>baiti:</i> 'house'	<i>iguli'm</i> → <i>kuli'm</i> 'circle' <i>yeladi'm</i> → <i>yagti'm</i> / <i>yati'm</i> / <i>yoti'm</i> 'child' <i>koxavi'm</i> → <i>kovi'm</i> 'star' <i>mixnasáim</i> → <i>xisáim</i> 'pants' <i>naaláim</i> → <i>nái</i> 'shoe'	
III	<i>yeladi'm</i> → <i>ena.adi'm</i> 'child'	<i>maftéax-maftexót</i> → <i>pafatxót</i> 'key' <i>yaldá-yeladót</i> → <i>yaldót</i> 'girl' <i>régel-ragláim</i> → <i>agaláim</i> 'foot' <i>céva-cvai'm</i> → <i>cevai'm</i> 'color' (Segolate)	<i>kovai'm</i> → <i>koyi'm</i> 'hat' <i>maxofi'm</i> → <i>xufi'm</i> 'tenticles'	<i>cipori'm</i> → <i>parexi'm</i> 'bird'
IV	-	<i>fafán-ffani'm</i> → <i>fafani'm</i> 'rabbit' <i>gamál-gmali'm</i> → <i>gamali'm</i> 'camel' <i>céva-cvai'm</i> → <i>cevai'm</i> 'color' (Segolate) <i>zanáv-znavót</i> → <i>zanavi'm</i> 'tail' <i>yaldá-yeladót</i> → <i>yaldót</i> 'girl' <i>makél-maklót</i> → <i>makelót</i> / <i>takalót</i> 'stick' <i>sevivón-svivoni'm</i> → <i>sevivoni'm</i> / <i>sevovani'm</i> 'spinning top' <i>barák-braki'm</i> → <i>baraki'm</i> 'lightning' <i>cami'd-cmidi'm</i> → <i>camidi'm</i> 'bracelet' <i>simlá-smalót</i> → <i>simlót</i> 'dress' <i>ugá-ugót</i> → <i>uguyot</i> 'cake'	<i>livyatani'm</i> → <i>livantót</i> 'whale' <i>svederi'm</i> → <i>sa:vdi'm</i> 'sweater' <i>yadáim</i> → <i>dáim</i> 'hand' <i>avironi'm</i> → <i>avoi'n</i> 'airplane' <i>nemafi'm</i> → <i>dyfi'm</i> 'freckle' <i>farferaót</i> → <i>futi'm</i> / <i>fii'm</i> / <i>faxserót</i> 'necklace'	<i>livyatani'm</i> → <i>livatáim</i> 'whale' <i>ana fi'm</i> → <i>ifim</i> 'person'

4.2.6. The plural suffix

The next phonological parameter to be discussed is that of the plural suffix. The following table summarizes the relevant results.

(21) Plural suffix

Stage	Parameter Production	Reg.		Irreg.		-aim
		<i>-im</i>	<i>-ot</i>	<i>-im</i>	<i>-ot</i>	
I	Number of production "errors"	0	0	1	0	0
	% of production "errors"	0	0	100	0	0
	Total % of production "errors"	0		100		0
	Number of faithful productions	2	11	1	0	24
	% of faithful productions	5.26	28.94	2.63	0	63.15
	% of faithful productions	34.2		2.63		63.15
II	Number of production "errors"	0	0	0	1	0
	% of production "errors"	0	0	0	100	0
	Total % of production "errors"	0		100		0
	Number of faithful productions	15	13	4	6	18
	% of faithful productions	26.78	23.21	7.14	10.71	32.14
	% of faithful productions	49.99		17.85		32.14
III	Number of production "errors"	0	1	2	0	0
	% of production "errors"	0	33.33	66.66	0	0
	Total % of production "errors"	33.33		66.66		0
	Number of faithful productions	39	26	3	0	19
	% of faithful productions	44.82	29.88	3.44	0	21.83
	% of faithful productions	74.7		3.44		21.83
IV	Number of production "errors"	1	10	2	7	1
	% of production "errors"	4.76	47.61	9.52	33.33	4.76
	Total % of production "errors"	52.37		42.85		4.76
	Number of faithful productions	94	74	6	9	40
	% of faithful productions	42.15	33.18	2.69	4.03	17.93
	% of faithful productions	75.33		6.72		17.93

A preliminary observation is that an irregular suffix resulted in the highest amount of production errors, throughout the stages of the acquisition. Naturally, it caused the lowest rate of faithful productions in all stages as well. Similar findings were reported in Ravid & Schiff (In press). Their data show that the type of suffix was found to have an impact on children's development, so that nouns with irregular suffixes were produced less faithfully than nouns with regular suffixes. Aside from stage I, in general, the more frequent regular suffix to be produced faithfully was the masculine one, and the more frequently faithfully-produced suffix under the irregular category was the feminine one.

This finding is not a trivial finding and requires further exploration. The explanation for this matter may be found in Pinker & Prince's work from 1988. In their article, it is suggested that there exist two distinct but parallel models for language processing. More specifically, they put forth the claim that irregularity of a form is a property that is listed in the lexicon and must be memorized, since such forms are unpredictable. Regular forms, on the other hand, are ruled-driven and generated, as their occurrence can be predicted. Returning to the current results, Pinker and Prince's argument may suggest that the higher faithfulness frequency of the *-ot* suffix under the irregular suffix category, is the result of these forms being rote-learned (i.e. stored in the lexicon). Once a memorized noun of this type is drawn upon and extracted for production, it is expected to be produced faithfully, as it is not a result of a rule. The irregular feminine-suffixed nouns in our data are therefore stored in the child's lexicon and are consequently predicted to be produced rather faithfully, and our data confirms this prediction.

Finally, a finding from our target analysis that was replicated in the plural results was that at stage I of the acquisition, the child preferred plural forms ending with either the dual suffix or the feminine one. Hence we find a higher amount of faithful productions with *-ot* or *-aim* in comparison to faithful productions with a *-im* suffix. Later on, the masculine form seems to prevail over the remaining two suffix types in addition to the feminine suffix being more frequent than the dual suffix.

4.3. Post-analysis

The first data discussed below regards the results for the forms that were conjugated into the plural form, in comparison to production “errors”. The latter refer to nouns that had no plural counterparts in the child’s data or were uttered in their singular form (while referring to the plural form). The complete data analysis is given in appendix 7.

(22) Plural production vs. No Pl. production / Sg. Production

Stage	Parameter	Pl. Produc. vs. No Pl. Produc./ Sg. Produc.
	Production	
I	Number of production "errors" (No pl. produc. / sg. produc.)	10
	% of production "errors"	20.41
	Number of plural productions	39
	% of plural productions	79.59
II	Number of production "errors" (No pl. produc. / sg. produc.)	4
	% of production "errors"	6.67
	Number of plural productions	56
	% of plural productions	93.33
III	Number of production "errors" (No pl. produc. / sg. produc.)	2
	% of production "errors"	2.17
	Number of plural productions	90
	% of plural productions	97.83
IV	Number of production "errors" (No pl. produc. / sg. produc.)	65
	% of production "errors"	20.90
	Number of plural productions	246
	% of plural productions	79.10

In the first three stages it is obvious that in most cases the child succeeds in producing a faithful attempt at a plural production (without regarding the actual error rate in the production of the plural forms themselves). This is to say that only in a minor amount of cases does she utter a singular form for multiple objects or does not utter any plural form (only 81 out of a total 431 utterances). The production errors (no response or singular form) decreases from 20.41% in stage I to 6.67% and 2.17% in stages II and III respectively. This decrease in errors is expected in the course of development, but the increase in stage IV back to 20.90% (as in stage I) might be surprising. This can be the result of the child's encountering longer, more complex or even less familiar nouns (including the elicitation task nouns) that leads to a mounting difficulty with the conjugation of the stem to its plural counterpart. Another suggestion may be that at by this last stage the child produces much more forms than in the previous stages. Hence, it is also more likely and conceivable that a larger amount of production errors will occur as she attempts to utter a greater amount of forms.

As for the general characteristics of the no-utterance/singular form utterance nouns, there are some generalizations worth noting (see appendix 7 for the specific data analysis). This is important since these words obviously posed some difficulties to the child while she attempted to produce them. Therefore, understanding their specific characteristics may allow us to conclude what values of the phonological properties affect the acquisition process the most and require a real "effort" from the child producing such nouns.

To begin with, most of these nouns had disyllabic stems and penult stress in the singular with mostly a final consonant other than t. A smaller yet substantial amount of these nouns had a final stress pattern in the singular, again, with a final consonant other than t. In the plural forms most of the no production/singular production words had a final stress. Most of these nouns did not require a segmental alternation, but there was no effect of the prosodic alternation parameter (i.e. the prosodic alternation did not play a role). Lastly, most of these nouns had a regular *-im* suffix, followed by a

smaller group with a regular *-ot* suffix, then an irregular *-ot* suffix; and finally nouns with the dual suffix *-aim* formed the smallest, least frequent group. Further research is obviously required to assess the significance of the properties of these nouns and the reason for the difficulty they pose to production when they are combined together in this specific configuration.

The final post-analysis refers to the stipulation regarding the existence of an interaction between the parameters of segmental alternations, prosodic alternations and the type of plural suffix. The detailed analysis is given in appendix 8 and the following table presents a summary of the relevant results.

(23) Interaction between segmental/prosodic alternations & plural suffix

Pl. Suffix	Error / Faithfulness of production frequency	Segmental Altern.	Prosodic Altern.	Segmental + Prosodic Altern.
Reg.	Error frequency	0	1	51
	Percentage of Error frequency	0	50	5.98
	Faithful production frequency	0	1	801
	Percentage of Faithful production frequency	0	50	94.01
Irreg.	Error frequency	0	0	24
	Percentage of Error frequency	0	0	19.04
	Faithful production frequency	0	0	102
	Percentage of Faithful production frequency	0	0	80.95
<i>-aim</i>	Error frequency	2	0	10
	Percentage of Error frequency	50	0	3.31
	Faithful production frequency	2	0	292
	Percentage of Faithful production frequency	50	0	96.68

As can be seen in the above table, the first hypothesis presented earlier - regarding the existence of a significant difference between segmental and prosodic alternations could not be confirmed conclusively in our data. The problem seemed to be that there were only few nouns in the child's productions that bore a requirement for only one type of phonological alternation (either segmental or prosodic). Therefore it is difficult if not impossible to draw upon these specimens a conclusive and meaningful generalization. Hence, on the basis of this data it is not clear whether a prosodic alternation in itself can affect to process of the acquisition to a greater extent than a segmental alternation.

One reason for the lack of words that only require one type of alternation can be that they are found in a low frequency in the target language - Hebrew. In any case, further research is required to assess the prevalence of such words. A possible way to examine the real influence of such nouns is to devise an elicitation task, which will consist of a designated list of words that only require either a segmental or a prosodic alternation separately. These words will then need to be crossed with all three experimental conditions of suffix types (regular / irregular / dual suffix). Perhaps an experiment of that sort will succeed in refuting or else confirming our first hypothesis.

Turning to the second experimental hypothesis of the existence of an interaction between the alternations and the suffix types some interesting results emerged. First, as can be observed by the above table, there were no productions in the child's data that required both a segmental alternation and an irregular suffix, and hence no faithful or erroneous utterances can be detected. There were also no cases of a combination between a necessary segmental alternation and a regular suffix. However, there were four cases of a combination between productions that required a segmental alternation and the dual suffix –*aim*.

The most important results under this hypothesis were under the prosodic plus segmental alternation condition combined with the three types of suffixes. More specifically, it turned out that those nouns which required both a segmental and prosodic alternations plus an irregular suffix produced the highest frequency percentage (19.04%), in comparison to the same alternations with a

regular suffix (5.98%) or with the dual suffix (only 3.31%). Moreover, the first group also exhibited the lowest amount of faithful productions (80.95%) in comparison to the two other ones mentioned above (94.01% and 96.68% respectively). Over all as can be seen in the above table, the combination of all three parameters does result in the highest frequency of error-rates (number of errors) across the data.

Thus, our prior hypothesis was confirmed – there is indeed an interaction between prosodic and segmental alternations (when they're adjoined together) and the existence of an irregular suffix. This interaction seems to affect the course of plural acquisition in children more than the impact of each separate parameter. Moreover, this interaction obviously renders nouns of this type more prone for production errors and less likely to be produced faithfully. The significance of this finding lays in the fact that it clearly suggests an observable influence of a phonological property on the process of the morpho-phonological acquisition in Hebrew speaking children. It also confirms the existence of an interaction between phonological parameters that affects the child's grammar.

4.4. Marginal phenomenon

An unexpected phenomenon of the previous cross-sectional study was that children sometime added an incorrect and inappropriate suffix, without any apparent reason. Examining this phenomenon revealed that it may have had something to do with liquids consonants such as *r* or *l*. It seemed that in some cases of such "ungrounded" errors, the rightmost segment in the word was a liquid. This phenomenon was most prevalent in the data of one child named Oria: *dliót* 'buckets' ms. (3;00.11 and 3;00.25), *gamalót* 'camels' ms. (3;00.11 and 3;00.25), *pilpelót* 'peppers' ms. (3;00.11), *sévorot* 'sweaters' ms.(3;00.11) *fualót* / *sulaót* / *fulaót* 'foxes' ms.(3;00.11 and 3;00.25). We may conclude that for this child, the presence of a liquid at the right edge of a word marks the noun as feminine and requires a feminine plural suffix, even if the true gender of the noun is masculine. Other children's data also displayed few examples of this same phenomenon, as in Mia's utterance (2;03.28) *migdál gdolót* 'big

tower' ms., Amit (2;02.25) *migayót* 'towers' ms., *pilpelót* 'pepper', ms. *ḥualót* 'fox' ms., Gil (3;02.00)

psanterót 'pianos' ms.. In this present research Rotem also exhibited this same behavior as can be

observed from her productions at the age of 2;06.12: *miḡdalót* 'towers' ms., *ḥualót* 'foxes' ms. and

gamadót 'camels' ms.. These findings are most interesting and require further researches on a large

number of subjects in order to determine the extent of this phenomenon in children acquiring Hebrew.

5. Summary

I shall begin by briefly reviewing the incorporated findings of this study both for the target and for the production analysis, for all the experimental parameters.

5.1. phonological properties of the singular form

5.1.1. Number of syllables in the singular form

Our findings show that at stage I of the acquisition the child exhibited a very strong preference for disyllabic targets. This is in accordance with the state of affairs in the language – disyllabic stems being the most frequent forms. We can also observe that at this initial stage she only selects few trisyllabic targets, as monosyllabic targets are least attempted by Rotem and her data show only one such form. At this point the child's avoidance of monosyllabic stems reflects the situation in Hebrew, in which there are only few monosyllabic singular nouns. This tendency also carries-on to stage II.

The sole difference within the first two stages is that at the later one, trisyllabic stems ending with a stressed *a* vowel become more prevalent targets (e.g. *sukaryá* 'candy', *nemalá* 'ant', *madregá* 'stair' etc.)

and so do monosyllabic nouns (e.g. *yad* 'hand', *pri* 'fruit', *ḥen* 'tooth', *kli* 'dishware' etc.). Stage III is

marked by the selection of an increased variety of trisyllabic stems, in addition to the frequent form ending with a stressed *a* (e.g. *maftéax* 'key', *džiráfa* 'giraffe', *tabá.at* 'ring'). Only at stage IV does the child begin to choose four syllables long targets (*avati'ax* 'watermelon'), and her data show a rise in number of monosyllabic nouns.

5.1.2. *Type of final segment and the stress pattern of the singular form*

According to our data, at stage I the child clearly exhibits an inclination towards a trochaic bias. It seems that universal grammar is leading her to select targets that have a penultimate stress pattern over forms with a final stress. Her favorite forms being penult nouns with a final consonant other than *t*, followed by final stress nouns which end with a vowel. These combinations of ultimate stress nouns ending with *a*, or penult stems ending in a consonant, correlate with the state of affairs in the language, and are therefore expected and predictable in Hebrew.

From stage II on, frequency takes the lead and final stressed nouns become more prevalent targets than penultimate ones. At this stage the final consonant of the singular form becomes more diverse and can even include *t*-ending nouns (e.g. *báit* 'house'). Only at stage IV do we find forms with an antepenult stress, mostly in loan-nouns (e.g. *télefon* 'telephone', *hámburger* 'hamburger', *kórkinet* 'scooter'). But even at this last stage the hierarchy between the stress patterns remains the same, as final stress is the most frequently chosen one for production, followed by penult stress and finally the antepenult stress pattern. According to the target analysis it does not appear to be the case that the type of final segment has a strong influence on the selection of attempted forms. However, the most frequent segments to appear word-finally are vowels or consonants other than *t* (combined with final stress), or consonants other than *t* (combined with a penult stress pattern). The reason for the situation reported in

this last finding, is that Rotem rarely selects target stems ending with *-et* (e.g. *rakévet* 'train', *ganénet* 'kindergarten teacher') or *-it* (e.g. *mexoni't* 'car').

Most of the production results for these parameters replicate the ones found in the target analysis. The penult stress pattern (with a final consonant other than *-t*) prevails in stage I over the final stress pattern (with a final vowel), but as we progress through the stages, the situation is reversed. In other words, in later stages of the acquisition, ultimate stress forms with a final vowel followed by penult forms with a final consonant other than *t*, result in the highest rate of faithful productions. Here as well, forms bearing an antepenult stress only appear at stage IV in Rotem's productions, and even then they are outnumbered by the other stress patterns (only 2 out of 153 productions).

5.1.3. *Stress pattern in the plural form*

The results of both the target and the production analysis of the singular form's stress pattern are replicated in the stress pattern of the plural nouns. Namely, at stage I the child selects and produces more faithfully (twice the frequency of faithful productions) nouns whose plural form bears a penult stress, in comparison to a final stress. Nevertheless, later on she selects and produces more faithfully nouns with a final stress pattern. This observation is in accordance with the findings reported in previous studies by Adam and Bat-El (2007) and Ben-David (2001). Returning to the current data, once more we find that only by the fourth stage does a substantial amount of antepenult stressed nouns appear and produced more faithfully. Yet, the latter are still less frequent both in attempts and in actual productions than nouns with final (most frequent) or penult stress.

5.2. Phonological alternations in the singular-plural paradigm

5.2.1. *Stress alternation – stress shift*

The results of the target analysis show that across the board and beyond the stages of the acquisition, the child has a clear preference for target nouns that require stress shifts (mobile stress), over nouns that do not require such an operation (fixed stress). This finding falls in line with the language's inclination towards nouns with a stress shift. This is due to the fact that number affixation in Hebrew adds another morpheme to the stem (a plural suffix) thereby attracting the stress to the last syllable. Only in a minor of cases does the stress in the language remain on its original syllable while being inflected for the plural (e.g. *ti'ras-tirasi'm* 'corn').

Moving on to the production analysis, we find that aside for the first stage of the acquisition, Rotem errs more upon producing nouns with a stress shift, but produces these nouns more frequently (a higher amount of productions) than nouns without a stress shift. It appears that due to the language's preference for a mobile stress the child utters more nouns of this form by and large, and by doing so encounters "more opportunities" to err while producing them. The importance of our findings in the production analysis of stress shift is that children acquiring number infection in Hebrew do produce plural noun forms that require a mobile stress. We can thereby refute the results of previous studies such as Levy's (1980) and Grinwald's (1973) which reported that Hebrew-speaking children do not shift stress while inflecting nouns for number.

5.2.2. *Vocalic alternations (segmental)*

In both the target and the production analysis we have found an across the board tendency to select and produce more faithfully nouns that do not require a segmental alternation in the singular-plural paradigm. This observation increases in magnitude for the target analysis as we proceed forward in the

course of acquisition. Also, in the first three stages, the error frequency for nouns that necessitate a segmental alternation is much higher in comparison to nouns that do not require such a change to the vowel's quality. However, stage IV in the production analysis yielded some controversial results (a higher error-rate for nouns without segmental alternations in their paradigm). This may be a case of coincidence and the cause for this result remains unclear, but by no means does it subtract from the strong tendencies we've found in the rest of the data.

5.2.3. *Prosodic alternations (syllable structure)*

The results of the target analysis for the prosodic alternations demonstrate that at stage I the child has a preference for target words which require an alternation in their singular-plural paradigm. Conversely, from stage II on, she exhibits no such preference, and indeed it seems that whether a form requires such alternations or not, does not bear any significance on the child's selection. When it comes to the production results however, it seems that this parameter does influence Rotem's productions. Generally speaking the faithfulness rate of nouns that require a prosodic alternation is higher than that of nouns without such a change. In addition, in stage I and II there are less production errors in nouns that require a structural syllable change.

It is plausible that the child's productions merely reflect the state of affairs in the language, in which a prosodic alternation is a frequent feature of the singular-plural paradigm. Hence, the findings of the production analysis do not coincide with those of the target analysis, and it seems that regarding the child's productions, there is an influence of the value of this parameter on the child's performances. However, we cannot ignore the production results for stage III and IV. In these stages the situation seems to be reversed, as the error rate is actually higher for nouns with a prosodic alternation. This finding remains unclear under the data of this current study, and needs to be accounted for in further researches to come.

Upon further exploration of the types of prosodic errors that the child made, we can observe some interesting tendencies. One type of production error has been the insertion of a syllable, thereby lengthening the plural form. This type was the least frequent one (only one example in the data) and the reason for its use is unclear. On the other hand, a substantial amount of errors stemmed from a syllable truncation (shortening of forms). This tactic was probably so commonly chosen by the child since it allowed her to maintain shorter plural forms (i.e. minimal syllable number), whenever it was possible. The last and most interesting form of production errors consisted of the maintaining of paradigm uniformity by preserving the stem as much as possible while producing the plural form. In these cases the child essentially failed to perform the necessary phonological alternations to the stem of the noun. This strategy obviously enabled the child to hold on to the transparency of the singular-plural paradigm and facilitate the connection between the two morphological forms.

5.3. Plural suffixes

In stage I both the child's selections and number of faithful productions show a clear preference for the dual suffix *-aim*, followed by the feminine suffix *-ot* and only then by the masculine suffix *-im*. In addition, both analysis yielded the same hierarchy when it came to the types of suffixes, so that in the first stage the dual suffix is most frequently selected as target and produced more faithfully than the regular suffix; the irregular suffix coming last in this ranking. This comes as a contradiction to previous findings in this area, as other researchers have reported that the most frequent suffix in children acquiring Hebrew is the masculine rather than the feminine or the dual one. However, we have settled this matter by assuming that these researches differed from my one by not taking into account rote-learned and unproductive plurals, as we've seen in the first stage in Rotem's data. In any case, as from Stage II on, the hierarchy changes in two manners, which fall in line with the recent literature reports. First the regular suffix becomes the most frequent one (as a target and also produced more faithfully), followed by the dual suffix and the irregular one. Second, the frequency of the masculine suffix rises

for both the regular and the irregular categories. By the last two stages, the most frequently selected and faithfully produced nouns are the ones taking a masculine suffix, followed by the feminine and finally the dual suffix.

The last finding of this study in relation to the type of suffix was most interesting. The data show that for both the target and the production analysis, the masculine suffix appeared to be more abundant under the regular suffix in comparison to the irregular suffix category, but the feminine suffix exhibited exactly the reverse behavior. In other words, the feminine suffix *-ot* in its irregular function (e.g.

xalonót 'windows' ms., *arayót* 'lions' ms.) was more phonologically faithful than in its regular function (e.g. *ftim/fútim* for the target *farferaót* 'necklaces' fm., *rakavi'm* for the target *rakavót* 'trains' fm.).

As I have argued before, a plausible explanation for this finding can be derived from Pinker & Prince's article (1988). According to their suggestion, the irregular forms are stored and extracted for production from our mental lexicon. Since they are not rule-generated (as are regular forms), they are predictably more faithful once they are uttered. In the case of the current finding, it may be that the irregular *-ot* suffixed-nouns are memorized as well, and therefore produced more faithfully by the child.

5.4. Post analysis

5.4.1. No production/singular production vs. plural production

In the majority of cases the child in this study produces plural noun forms, and only in relatively few occasions does she result to a singular production (while referring to a plural object) or no production whatsoever. At stage IV of the acquisition, the use of this strategy is enhanced probably due to the child's encounter with new and longer forms (in part invoked by the elicitation task). If we attempt to characterize the nouns that were not produced in their plural forms we will end up with mainly the

following attributes: the latter were mostly disyllabic forms with a penult stress in their stem and a final consonant other than *-t*, or bore a final stress in their stem and combined with a final vowel.

In their plural forms, they had mostly a final stress pattern and did not require a segmental alternation. On the other hand, there was no significance to whether there was/was not a required prosodic alternation in the singular-plural paradigm. Finally, these nouns had either a regular masculine or a regular feminine suffix. Further research is necessary in order to determine the significance of the configuration of these specific parameter values. Perhaps such a research will lead us to a better understanding of the "difficulty" posed by such forms to the process of noun plural acquisition.

5.4.2. The experimental hypothesis

Our first hypothesis regarding the difference between the frequency of nouns with a prosodic alternation and nouns with a segmental alternation could not be refuted or confirmed. Unfortunately this was due to the lack of indicative examples in Rotem's data. In order to propose an answer to this still open question, further research will be required. Such research will need to assemble a proper amount of nouns from both types (with a prosodic or a segmental alternation) and then explore the effects of each category on children's performance.

Nevertheless, the second hypothesis regarding the existence of an interaction between the properties of phonological alternations and the type of plural suffix was confirmed. It seems that the combination of an irregular suffix with the requirement to perform a phonological alternation gave birth to the highest error-rate and the least faithful productions, in comparison to all the other experimental conditions. Note that this finding holds for cases in which both types of alternations (i.e. prosodic and segmental) were brought together with an irregular suffix. The importance of this finding lays in the fact that it establishes a real attested-for evidence of the combined influence of distinct phonological properties on the child's grammar and her plural acquisition process.

6. Discussion

Previous findings reported by Levy (1980), Grinwald (1973) and Kaplan (1983) have discussed the role of phonology only briefly and lacked a complete and comprehensive account on its specific affects on the process of acquisition. These studies roughly described the involvement of several phonological factors in the acquisition of Hebrew plurals. For instance, the type of final segment or the nature of the plural suffix was discussed as bearing importance and influencing the child's use of a plural suffix.

Hence, the findings of previous accounts were based on only few of the possible arrays of phonological parameters. Also, most prior researches have focused mainly on the general affect of phonological process without considering how it may fluctuate and change throughout the course of acquisition. Finally, former findings have only referred to actual productions uttered by children acquiring the language, and disregarded their attempts at production (i.e. the targets selected by them).

My study was designed to approach these issues mentioned above. It attempted to present a complete and detailed report on the impact of all major phonological parameters on the process of plural acquisition. Practically speaking, I have tried to break down the "building blocks" of phonology and study which may govern the morpho-phonological process of inflecting nouns into plurals. This current paper therefore presents a comprehensive account of the intricacy of phonological parameters as well as their interactions with one another, which aspire to allow children to attempt and produce plural forms.

The second area in which my study differs from its predecessors is that it exhibits the dynamics of the influence of phonological factors in each separate stage in the acquisition. The nature of the morpho-phonological system in my study is one of flexibility and plasticity and it seems to evolve as the acquisition progresses. Therefore, qualitative changes in the affect of a phonological parameter on the grammar were considered as reflecting a transition between developmental stages. These stages outlined by the phonology were shown to be rather clear and well defined, and once a stage was more or less set, its characteristics appeared to be consistent all through its duration. In my study four rather

distinct stages could be identified. Each of these stages had its specific characteristics and differed significantly from its preceding, as we saw earlier.

Thus, it seems that the phonology determines the type of nouns which the child prefers and also the error-rate in her productions as well as the frequency of her faithful productions. In most cases the child's grammar reflected the state of affairs in the target language, so that phonologically frequent forms were attempted more often as targets and were usually uttered more faithfully once they were produced. A related and important finding was the existence of a trochaic bias in the onset of the acquisition. As we saw above, during the first stages of the acquisition, Rotem attempted and produced more faithfully nouns whose singular as well as plural forms bore a penultimate stress. This tendency however was reversed in later stages (as she displayed a tendency towards a final stress pattern). This initial trochaic bias falls in line with the findings reported in Adam and Bat-El (2007) as well as in Ben-David's (2001). It seems that early on in the acquisition the most prominent factor of stress is the universal trochaic foot (non final stress).

Nevertheless, the ultimate stress pattern is more frequent in Hebrew and therefore as the acquisition proceeds, frequency begins to play a roll. Children at these later stages exhibit an inclination towards the language-specific stress pattern and show a clear tendency towards nouns with final stress. The results reported in previous findings refer mostly to early speech, which naturally consists mostly of singular forms. Hence, our present results, in the domain of plural noun forms, replicate the findings of earlier studies and lend support to the trochaic bias hypothesis.

As we have seen in the results of the data analysis above, the phonology, or more specifically our experimental phonological parameters proved to have an affect on the acquisition of noun plurals, across all stages. We have also found that the effect of phonology was equally evident in the child's productions as well as her attempts. The dual analysis of actual productions combined with the analysis of attempted targets and the comparison between the two, allows us to make meaningful claims about

the nature of the acquisition. Consequently, once we find a strong tendency replicated in the results of both analyses, we can establish with more certainty its role and significance in the process.

An additional finding was the existence of an interaction between several phonological parameters. The significance of this finding is that not only do phonological properties affect and govern the course of acquisition; they can also interact amongst themselves to create a combined impact on the child's grammar. Therefore, we can account for the higher error-rates (and obviously lower amount of faithful productions) in noun plurals that require more than one alternation to their stem in addition to the use of an irregular suffix. Nevertheless, further researches should attempt to study the feasibility of further interactions between other types of parameters. If other such interactions do exist, future studies will need to reveal all their possible permutations and combinations. Once all these relations and combinations are mapped, theoretically speaking, we will have obtained a complete phonological model of the child's grammar for the acquisition of plurals.

Finally, future researches need to study the singular-plural paradigm as a whole. It is therefore essential to examine all the characteristics of singular forms in addition to the plural data presented in this current study. A comparison between the two types of results should yield interesting observations not only on the acquisition of plural forms, but also on the relation between singular-plural entities in the child's grammar. Such a comprehensive study will enable us to propose an account for the nature of the acquired paradigm or even detect the lack of it in certain stages along the process.

References

- Adam, G. 2002. From Variable to Optimal Grammar: *Evidence from Language Acquisition and Language Change*. Ph.D. dissertation, Tel-Aviv University.
- Adam, G. & Bat-El, O. 2007. In S. Armon-Lotem, G. Danon, and S. Rothstein (eds) *Generative Approaches to Hebrew Linguistics*.
- Adam, G. & Bat-El, O. 2007. *The trochaic bias is universal: evidence from Hebrew*. In *Generative Approaches to Language Acquisition*. Barcelona.
- Anisfeld, M. & Tucker, G.R. 1967. English pluralization rules of six-year-old children. *Child development*. 38: 1201-1217.
- Anisfeld, M. & Tucker, G.R. 1973. English pluralization rules of six-year-old children. In C.A. Ferguson & D.I., Slobin (eds.), *Studies of child language development*. New York: Holt, Rinehart and Winston, 211-226.
- Ben-David, A. 2001. Language Acquisition and Phonological Theory: *Universal and Variable Processes Across Children and Across Languages*. Ph.D. dissertation, Tel-Aviv University (in Hebrew).
- Bat-El, O. 1989. *Phonology and Word Structure in Modern Hebrew*. Ph.D Dissertation, UCLA.
- Bat-El, O. 2007. A gap in the feminine paradigm of Hebrew: a consequence of identity avoidance in the suffix domain. In Curt Rice (ed.) *When Nothing Wins: Modeling Ungrammaticality in OT*. London: Equinox.
- Berko, J.G. 1971. The child's learning of English morphology. In A. Bar-Adon & W. Leopold (eds.), *Child language: a book of reading*. Englewood-Cliffs, N.J. Prentic-Hall, 197, 153-168.

- Böhme, K. & Levelt, W. J. M. 1979. Children's use and awareness of natural and syntactic gender in possessive pronouns. Paper presented to the Conference on Linguistic awareness and learning to read, Victoria, British Columbia.
- Brown, R. 1973. *A first language*. London: George Allen & Unwin.
- Cazden, C.B. 1973. The acquisition of noun and verb inflection. In C.A. Ferguson & D.I., Slobin (eds.), *Studies of child language development*. New York: Holt, Rinehart and Winston, 226-240.
- Clark, E.V. 1998. Morphology in language acquisition. In A. Spencer and A.M. Zwicky (eds.), *The handbook of morphology*. Oxford : Blackwell.
- Crystal, D., Fletcher, P. & Garman, M.1977. *The grammatical analysis of language disorders – a procedure for assessment and remediation*. London: Billing & Sons.
- Demuth, K. 2001. Prosodic constraints on morphological development. In J. Weissenborn & B. Höhle (eds.), *Approaches to Bootstrapping: Phonological, Syntactic and Neurophysiological Aspects of Early Language Acquisition*. Amsterdam: John Benjamins. *Language Acquisition and Language Disorders Series*, vol. 24, 3-21.
- Demuth, K. & Fee, J. 1995. Minimal words in early phonological development. Ms. Brown University and Dalhousie University.
- Derwing, B. & Baker, J.W. 1979. Recent research on the acquisition of English morphology. In P. Fletcher and M. Garman. *Language acquisition*. Cambridge University Press, 209-225.
- Grinwald, R. 1973. *the acquisition of the rules of pluralization in child language*. A seminary paper. Tel-Aviv: School of communication disorders, Tel-Aviv University (in Hebrew).

- Kaplan, D. 1983. *The order of acquisition of morpho-syntactic elements among Hebrew speaking children at infancy*. Tel Aviv (in Hebrew).
- Karmilof-Smith, A. 1979. *A functional approach to child language: a study of determiner and reference*. London: Cambridge University Press.
- Levinger, M. 2006. *The acquisition of Hebrew Plurals: A Morpho-Phonological account*. Unpublished M.A. seminar paper. Tel-Aviv: Tel-Aviv University.
- Levy, Y. 1980. *Gender in children's language – a study in first language acquisition*. Unpublished dissertation, Jerusalem: The Hebrew University (in Hebrew).
- Levy, Y. 1983. The acquisition of Hebrew plurals: the case of the missing gender category. *Journal of child language*. 10: 107-121.
- MacWhinney, B. 1975. Rules, rote and analogy in morphological formation by Hungarian children. *Journal of child language*. 2: 65-77.
- MacWhinney, B. 1978. The acquisition of morphology. *Monographs of the Society for Research in Child Development*. 43: 7-84.
- Miller, W. & Ervin, S. 1964. The development of grammar in child language. In U. Bellugi & R. Brown (eds.), *The acquisition of language*. Chicago: The University of Chicago Press, 9-34.
- Miller, W. & Ervin, S. 1973. The development of grammar in child language. In C.A. Ferguson & D.I., Slobin (eds.), *Studies of child language development*. New York: Holt, Rinehart and Winston, 355-380.
- Popova, M.I. 1973. Grammatical elements of language in the speech of preschool children. In C.A. Ferguson & D.I., Slobin (eds.), *Studies of child language development*. New York: Holt, Rinehart and Winston, 269-281.

Pinker, S. & Prince, A. (1988) On language and connectionism: Analysis of a parallel distributed processing model of language acquisition. *Cognition*, 28, 73-193. Reprinted in S. Pinker & J. Mehler (Eds.) (1988) *Connections and symbols*. Cambridge, MA: MIT Press.

Ravid, D. & Levin, I. 2006. In preparation.

Ravid, D. & R. Schiff. Morpho-phonological categories of noun plurals in Hebrew: A developmental study. *Linguistics*. In Press.

Slobin, D.I. 1973. Cognitive prerequisites for the development of grammar. In C.A. Ferguson & D.I., Slobin (eds.), *Studies of child language development*. New York: Holt, Rinehart and Winston, 175-208.

Schwarzwald, R.O. 1991. Grammatical vs. Lexical Plural Formation in Hebrew. *Folia Linguistica*. XXV(3/4): 577-608.

Appendix 1 - Developmental data

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of 6 in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix					
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim			
								Final segment		Final segment		Final segment													
								C	V	C	V	C	V												
			t	a.o	t	a.o	t	a.o	t	a.o	t	a.o													
	1;10.27	foot	O		ale:báim		✓								✓		✓	X	✓			-aim			
			T	régel	abáim		✓								✓		✓	✓	✓			-aim			
		pin	O		ragláim	2σ	✓				✓					✓		✓	✓	✓			-aim		
			T	siká	hayáim	2σ	✓								✓		✓		✓	✓	✓			-aim	
		drop	O		sikót		✓								✓		✓		✓	✓	✓	-ot			
			T		θitót		✓										✓			✓	✓	-ot			
			O		tót		✓										✓			✓	✓	-ot			
			T	tipá	tipót	2σ	✓								✓		✓			✓	✓	-ot			
			O		ítipót (repetition)		✓											✓			✓	✓	-ot		
			block	T	kubiyá	kubiyót	3σ	✓								✓		✓			✓	-ot			
		O			hàbiót		✓											✓			✓	-ot			
		hair	T	seará	searót	3σ	✓									✓		✓			✓	-ot			
	O			feót		✓											✓			✓	-ot				
	ear	T	ózen	oznáim	2σ	✓					✓					✓		✓		✓			-aim		
		O		ózen		X					✓														
	foot	T	régel	ragláim	2σ	✓					✓					✓		✓	✓	✓			-aim		
		O		agáim		✓										✓		✓	✓	✓			-aim		
	shoe	T	ná.al	na.aláim	2σ	✓					✓					✓		✓					-aim		
		O		yáim		✓										✓		✓					-aim		
	eye	T	áin	eináim	2σ	✓					✓					✓		✓	✓				-aim		
		O		anáim		✓										✓		✓	X				-aim		
		O		aynáim		✓										✓		✓	X				-aim		
		circle	T	igúl	igulí m	2σ	✓							✓			✓					-im			
	O			ugaí m		✓											✓		✓			-im			
	sticker	T	madbeká	madbekót	3σ	✓								✓		✓				✓	-ot				
		O		abeká		✓								✓		✓				✓	-ot				
			O	aboseká			X								✓										
			O		abaká		X								✓										
	1;11.18	candy	T	sukaryá	sukaryót	3σ	✓							✓			✓			✓	-ot				
			O		sùkayót		✓											✓		✓	-ot				
		tooth	T	fen	fináim	1σ	✓							✓			✓		✓	✓			-aim		
			O		fináim		✓										✓		✓	✓			-aim		
		foot	T	régel	ragláim	2σ	✓					✓					✓		✓	✓	✓			-aim	
			O		gláim		✓										✓		✓	✓	✓			-aim	
		picture	T	tmuná	tmunót	2σ	✓								✓			✓			✓	-ot			
			O		tumót		✓											✓			✓	-ot			
1;11.25	bird	T	cipór	ciporí m	2σ	✓							✓			✓		✓			-im				
		O		fipór	cèporí m	✓							✓			✓		✓			-im				
	eye	T	áin	eináim	2σ	✓					✓					✓		✓	✓			-aim			
		O		enaií:m		✓											X		✓	✓		-aim			
		T	xayá	xayót	2σ	✓								✓			✓			✓	-ot				
		O																							

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of 6 in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix				
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim		
								Final segment		Final segment		Final segment												
								C t	V a.o	C t	V a.o	C t	V a.o											
	2;00.02	ammar	O		xayót		✓	t	a.o		t	a.o		t	a.o			✓			-ot			
		foot	T	régel	ragláim	2σ	✓				✓					✓	✓	✓	✓	✓			-aim	
			O		maxgláim		✓									✓	✓	✓	✓	✓			-aim	
		shoe	T	ná.al	na.aláim	2σ					✓					✓	✓	✓	✓	✓			-aim	
			O		nayái		✓									✓		✓	✓				-aim	
					nayáim		✓								✓		✓	✓				-aim		
		pants	T	mixnás	mixnasáim	2σ								✓		✓		✓	✓				-aim	
			O		maze:sáim		✓									✓		✓	✓				-aim	
II	2;00.09	eye	T	áin	eináim	2σ				✓					✓		✓	✓				-aim		
			O		enáim		✓								✓		✓	✓				-aim		
		circle	T	ígúl	ígulí m	2σ								✓			✓	✓				-im		
					glukulí m		✓										✓	✓				-im		
					ʔigkuzí m		✓										✓	✓				-im		
			O		ukulí m		✓										✓	✓				-im		
					kui:m		✓										✓	✓				-im		
					hikxolí m		✓										✓	✓				-im		
		butterfly	T	parpár	parparí m	2σ								✓			✓	✓				-im		
			O		paxpár		X							✓										
		bear	T	dov	dubí m	1σ								✓			✓	✓	✓			-im		
			O		dubí m		✓										✓	✓	✓			-im		
		candy	T	sukaryá	sukaryót	3σ									✓			✓			✓	-ot		
			O		cuká	cukəyót (repetition)		✓							✓			✓			X	-ot		
		2;00.16	cheek	T	léxi	lexayáim	2σ						✓					✓		✓	✓	✓		-aim
				O		xayái:		✓										✓		✓	✓	✓		-aim
					xayái		✓									✓		✓	✓	✓		-aim		
	eye		T	áin	eináim	2σ						✓					✓		✓	✓			-aim	
			O		eináim		✓										✓		✓	✓			-aim	
	child		T	yéled	yeladi m	2σ						✓						✓	✓	✓		-im		
					ya:gtí m		✓											✓	✓	✓		-im		
			O		ya:tí m		✓											✓	✓	✓		-im		
					yotí m (repetition)		✓												✓	✓	X		-im	
	star		T	koxáv	koxaví m	2σ								✓				✓	✓			-im		
O				xoví m		✓											✓	✓			-im			
picture	T		tmuná	tmunót	2σ									✓			✓			✓	-ot			
	O			pudnót		✓											✓			✓	-ot			
				əmnót		✓											✓			✓	-ot			
boot	T		magáf	magaíim	2σ								✓				✓		✓			-aim		
	O			pahofai' m (repetition)		✓											X	✓				-aim		
pants	T		mixnás	mixnasáim	2σ								✓				✓		✓			-aim		
	O			xisáim		✓											✓		✓			-aim		

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix			
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim	
								Final segment		Final segment		Final segment											
								C	V	C	V	C	V										
			t	a.o	t	a.o	t	a.o	t	a.o													
	2;00.26	tooth	T	fen	fináim	1σ							✓		✓		✓	✓			-aim		
			O		finaí m (repetition)		✓							✓		✓	✓				-aim		
		foot	T	régl	ragláim	2σ				✓					✓		✓	✓	✓			-aim	
			O		tixláim		✓								✓		✓	X	✓			-aim	
		hand	T	yad	yadáim	1σ							✓		✓		✓					-aim	
			O		idáim		✓								✓		✓					-aim	
		candy	T	sukaryá	sukaryót	3σ							✓			✓				✓	-ot		
			O		cúkayót		✓									✓				✓	-ot		
					súkayót		✓									✓				✓	-ot		
		house	T	báit	bati m	2σ				✓						✓	✓		✓	-im			
			O		baiti?		✓									✓	✓		X	-im			
	2;00.29	picture	T	tmuná	tmunót	2σ							✓			✓			✓	-ot			
			O		tunlót		✓									✓			✓	-ot			
		ant	T	nemalá	nemali m	3σ							✓			✓			✓		-im		
			O	malá	imalí		✓						✓			✓			✓		-im		
				malí		✓									✓			✓		-im			
		bus	T	ótobus	otobúsím	3σ		✓							✓		✓			-im			
			O		ótobusi		✓							X			X			-im			
		car	T	óto	ótoim	2σ						✓		✓						-im			
			O	óto	óto		X				✓									-im			
		stair	T	madregá	madregót	3σ							✓			✓			✓	-ot			
			O		madgót		✓									✓			✓	-ot			
		shoe	T	ná.al	na.aláim	2σ					✓					✓		✓				-aim	
			O		naláim		✓									✓		✓				-aim	
		2;01.06	eye	T	áin	eináim	2σ				✓					✓		✓	✓			-aim	
				O		enái		✓								✓		✓	✓			-aim	
			fruit	T	pri	perót	1σ							✓			✓			✓	-ot		
						pexót		✓									✓			✓	-ot		
				O		perót (repetition)		✓									✓			✓	-ot		
					parót		✓									✓			✓	-ot			
	foot		T	régl	ragláim	2σ				✓					✓		✓	✓	✓			-aim	
			O		régel akáim		X			✓					✓		✓	✓	✓			-aim	
	sticker		T	madbeká	madbekót	3σ							✓			✓			✓	-ot			
			O		balakót		✓									✓			✓	-ot			
					dabekót		✓									✓			✓	-ot			
	2;01.12		shoe	T	ná.al	na.aláim	2σ				✓					✓		✓					-aim
				O		naláim		✓								✓		✓					-aim
		house	T	báit	bati m	2σ				✓						✓	✓		✓	-im			
			O	báit	báit		X			✓													
		T	ózen	oznáim	2σ				✓					✓		✓		✓			-aim		

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of 6 in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix			
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim	
								Final segment		Final segment		Final segment											
								C	V	C	V	C	V										
			t	a.o	t	a.o	t	a.o	t	a.o	t	a.o											
		ear	O		odzáim		✓							✓		✓		✓			-aim		
					ozláim		✓								✓		✓		✓			-aim	
		eye	T	áin	eináim	2σ				✓					✓		✓	✓				-aim	
			O		enáim		✓								✓		✓	✓				-aim	
		candy	T	sukaryá	sukaryót	3σ							✓				✓			✓	-ot		
			O		sakoyót		✓										✓			✓	-ot		
		dishware	T	kli	keli m	1σ							✓				✓			✓	-im		
			O		kalí m		✓										✓			✓	-im		
		rubber band	T	gumiyá	gumiyót	3σ							✓				✓			✓	-ot		
			O		ugiyí m		✓										✓			X	-im		
		hair	T	seará	searót	3σ							✓				✓			✓	-ot		
			O		saarót		✓										✓			✓	-ot		
		2;01.19	shoe	T	ná.al	na.aláim	2σ				✓					✓		✓					-aim
				O	nál (repetition)	naláim		✓			✓					✓		✓					-aim
					náal (repetition)	nái		✓			✓					✓		✓					-aim
	doll		T	bubá	bubót	2σ							✓				✓			✓	-ot		
			O		bubót		✓										✓			✓	-ot		
	cloud		T	anán	anani m	2σ							✓				✓	✓			-im		
			O	anán	anani m		✓						✓				✓	✓			-im		
	animal		T	xayá	xayót	2σ							✓				✓				-ot		
			O		xayót (repetition)		✓										✓				-ot		
	bee		T	dvorá	dvorí m	2σ							✓				✓			✓	-im		
			O		cibori m		✓										✓			✓	-im		
	lion		T	aryé	arayót	2σ							✓				✓			✓	-ot		
			O	aryé	axayót		✓						✓				✓			✓	-ot		
						arayót (repetition)		✓									✓			✓	-ot		
			bird	T	cipór	cipori m	2σ							✓				✓	✓			-im	
	O			cipori m		✓										✓	✓			-im			
	fruit	T	pri	perót	1σ							✓				✓			✓	-ot			
		O		perót (repetition)		✓										✓			✓	-ot			
III	2;01.27	glitter	T	nácnac	nácnacim	2σ				✓				✓						-im			
			O		dacací :		✓									X	X			-im			
					nacací :		✓								X	X			-im				
						ácacim (repetition)		✓							✓						-im		
		butterfly	T	parpár	parpari m	2σ							✓				✓	✓			-im		
			O		parpari m		✓										✓	✓			-im		
		story	T	sipúr	sipuri m	2σ							✓				✓	✓			-im		
			O	sipúr	sipúrim		✓						✓		X		X				-im		

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of 6 in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix			
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim	
								Final segment		Final segment		Final segment											
								C	V	C	V	C	V										
			t	a.o	t	a.o	t	a.o	t	a.o	t	a.o											
	2;02.04	bracelet	T	camí d	cmidí m	2σ							✓			✓	✓		✓	-im			
			O		camí d		X						✓										
		rubber band	T	gumiyá	gumiyót	3σ							✓			✓			✓	-ot			
			O		gumiyót		✓									✓			✓	-ot			
		eye	T	áin	eináim	2σ				✓						✓		✓	✓			-aim	
			O		eináim		✓									✓		✓	✓			-aim	
	2;02.11	animal	T	xayá	xayót	2σ							✓			✓			✓	-ot			
			O		xayót		✓									✓			✓	-ot			
		mouse	T	axbár	axbarí m	2σ							✓			✓	✓			-im			
			O		àxbár	àxbarí m		✓								✓	✓			-im			
	2;02.18	bear	T	dov	dubí m	1σ							✓			✓	✓	✓		-im			
			O		dubí m		✓									✓	✓	✓		-im			
		flower	T	pérax	praxí m	2σ					✓						✓	✓		✓	-im		
			O		péax	péax		X			✓												
		cat	T	xatúl	xatulí m	2σ							✓			✓	✓			-im			
			O		xatúl	xatulí m		✓					✓			✓	✓			-im			
		sock	T	gérev	garbáim	2σ					✓					✓		✓	✓			-aim	
			O		tabarí m		✓										X	X	✓	✓	-im		
		bird			gabáim		✓									✓	✓	✓	✓			-aim	
			T	cipór	ciporí m	2σ							✓			✓	✓			-im			
		painting	O		parexí m		✓						✓			✓	✓	X	X	-im			
			T	ciyúr	ciyurí m	2σ							✓			✓	✓			-im			
				O		siyurí m (repetition)		✓									✓	✓		-im			
	2;02.24	key	T	maftéax	maftexót	3σ					✓					✓	✓		✓	-ot			
			O		pafatxót		✓									✓	✓		X	-ot			
		fish	T	dag	dagí m	1σ							✓			✓	✓			-im			
			O		dagí m		✓									✓	✓			-im			
		story	T	sipúr	sipurí m	2σ							✓			✓	✓			-im			
			O	sipúr	sapurí m		✓						✓			✓	✓			-im			
					siburí m		✓									✓	✓			-im			
					sipurí m		✓									✓	✓			-im			
		book	T	séfer	sfarí m	2σ					✓					✓	✓	✓	✓	-im			
			O		sfarí m (repetition)		✓									✓	✓	✓	✓	-im			
		child	T	yéled	yeladi m	2σ					✓					✓	✓	✓		-im			
			O	yéled	ena.adí m		✓				✓					✓	✓	✓		-im			
		color	T	céva	cvai m	2σ						✓					✓	✓		✓	-im		
			O	céva	cvaí m		✓				✓						✓	✓		✓	-im		
		hand	T	yad	yadáim	1σ							✓				✓					-aim	
O			yadáim		✓										✓					-aim			
		T	maxóf	mexofí m	2σ							✓			✓	✓	✓		-im				

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of 6 in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix				
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim		
								Final segment		Final segment		Final segment												
								C t	V a.o	C t	V a.o	C t	V a.o											
2;03.01		tentacle	O		meʃoʃʔ m (repetition)		✓							✓	✓	✓		-im						
					mexoʃʃʔ m		✓						✓	✓	✓		-im							
					xuʃʔ m		✓						✓	✓	X		-im							
		tooth	T	fɛn	ʃinaím	1σ					✓		✓		✓	✓			-aim					
			O		ʃinaím		✓						✓		✓	✓			-aim					
		dishware	T	kli	keli m	1σ						✓						✓	-im					
			O		kalí m		✓								✓			✓	-im					
		foot	T	rɛʒɛl	ragláim	2σ				✓					✓		✓	✓	✓		-aim			
			O		haglái m		✓								✓		✓	✓	✓		-aim			
		ponytail holder	T	kukiyá	kukiyót	3σ							✓			✓			✓	-ot				
			O		sukoyót		✓									✓			✓	-ot				
					kukayót		✓									✓			✓	-ot				
						kukiyót		✓									✓			✓	-ot			
		butterfly	T	parpár	parparí m	2σ							✓			✓	✓			-im				
			O		parperí m		✓									✓	✓			-im				
		doll	T	bubá	bubót	2σ								✓			✓			✓	-ot			
			O		bubá	bubót		✓						✓			✓			✓	-ot			
		fish	T	dag	dagi m	1σ								✓			✓	✓			-im			
			O		dagi m		✓										✓	✓			-im			
		dishware	T	kli	keli m	1σ									✓		✓			✓	-im			
			O		kalí m		✓										✓			✓	-im			
		person	T	iʃ	anaʃi m	1σ								✓			✓	✓	✓	✓	-im			
			O		anaʃi m		✓										✓	✓	✓	✓	-im			
		shoe	T	na.al	na.aláim	2σ					✓					✓		✓				-aim		
			O		na.aláim		✓									✓		✓				-aim		
		girl	T	yaldá	yeladót	2σ								✓			✓		✓	✓	-ot			
			O		yaldá	yaldót		✓						✓			✓		X	X	-ot			
		eye	T	áin	eináim	2σ					✓						✓		✓	✓		-aim		
			O		eináim		✓										✓		✓	✓		-aim		
		part	T	xɛlek	xalaki m	2σ					✓						✓	✓	✓		-im			
			O		xalakí m (repetition)		✓										✓	✓	✓		-im			
	2;03.14	color	T	céva	cvaí m	2σ						✓					✓	✓		✓	-im			
			O		cvaí m		✓										✓	✓		✓	-im			
		mouse	T	axbár	axbarí m	2σ								✓			✓	✓			-im			
			O		axmarí m		✓										✓	✓			-im			
		flower	T	pérax	praxi m	2σ					✓						✓	✓		✓	-im			
			O		prexi m		✓										✓	✓		✓	-im			
		cloud	T	anán	anani m	2σ								✓			✓	✓			-im			
			O		anani m		✓										✓	✓			-im			
		eye	T	áin	eináim	2σ					✓						✓		✓	✓		-aim		
			O		eináim		✓										✓		✓	✓		-aim		

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of 6 in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim
								Final segment		Final segment		Final segment										
								C	V	C	V	C	V									
			t	a.o		t	a.o		t	a.o												
	2;03.22	hand	T	yad	yadáim	1σ							✓		✓		✓				-aim	
			O		yadáim		✓								✓		✓				-aim	
		foot	T	régel	ragláim	2σ				✓					✓		✓	✓	✓		-aim	
			O		ra:gláim		✓								✓		✓	✓			-aim	
		animal	T	xayá	xayót	2σ							✓			✓			✓	-ot		
			O		xayót		✓									✓			✓	-ot		
		sticker	T	madbeká	madbekót	3σ							✓			✓			✓	-ot		
			O		babekót		✓									✓			✓	-ot		
					mabekót		✓									✓			✓	-ot		
		2;03.22	block	T	kubiyá	kubiyót	3σ							✓			✓			✓	-ot	
				O		kubiyót		✓									✓			✓	-ot	
			picture	T	tmuná	tmunót	2σ							✓			✓			✓	-ot	
				O	tmuná	tmunót		✓						✓			✓			✓	-ot	
			shoe	T	ná.al	na.aláim	2σ				✓					✓		✓				-aim
				O		àniláim		✓								✓		✓				-aim
			hat	T	kóva	kovai m	2σ					✓					✓	✓			-im	
				O	kóva	koyí m		✓				✓					✓	✓			-im	
			cat	T	xatúl	xatulí m	2σ							✓			✓	✓			-im	
	O			xatúl	katfúlot		✓						✓			X		X			-ot	
	2;03.28	foot	T	régel	ragláim	2σ				✓					✓		✓	✓	✓		-aim	
			O		agaláim		✓								✓		✓	✓	X		-aim	
		doll	T	bubá	bubót	2σ							✓			✓			✓	-ot		
			O		bubót		✓									✓			✓	-ot		
		pin	T	siká	sikót	2σ							✓			✓			✓	-ot		
			O		sikót		✓									✓			✓	-ot		
		rubber band	T	gumiyá	gumiyót	3σ							✓			✓			✓	-ot		
			O	gumiyá	gumiyót		✓						✓			✓			✓	-ot		
		2;03.28	eye	T	áin	eináim	2σ				✓					✓		✓	✓			-aim
				O		eináim		✓								✓		✓	✓			-aim
			color	T	céva	cvaí m	2σ					✓					✓	✓		✓	-im	
				O	céva	cevaí m (repetition)		✓				✓					✓	✓		X	-im	
			snake	T	naxáf	nexaí m	2σ							✓			✓	✓	✓		-im	
				O	naxáf	nexaí m		✓						✓			✓	✓	✓		-im	
			tentacle	T	maxóf	mexoí m	2σ							✓			✓	✓	✓	✓		-im
				O		maxoí m (repetition)		✓									✓	✓	X		-im	
		wing	T	kanáf	knaíim	2σ							✓			✓		✓		✓	-aim	
O				kansáim		✓									✓		✓	X		-aim		
bubble	T	buá	buót	2σ								✓			✓			✓	-ot			
	O		buót		✓									✓			✓	-ot				
2;04.05	hand	T	yad	yadáim	1σ							✓			✓		✓			-aim		
		O		yadáim		✓									✓		✓			-aim		

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of 6 in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix			
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim	
								Final segment		Final segment		Final segment											
								C t	V a.o	C t	V a.o	C t	V a.o										
		stuff	T	davár	dvarí m	2σ							✓			✓	✓		✓	-im			
			O		dvarí m		✓									✓	✓		✓	-im			
		candy	T	sukaryá	sukaryót	3σ							✓				✓			✓	-ot		
			O	sukaryá	sùkaryót		✓						✓				✓			✓	-ot		
						sukaryót		✓								✓			✓	-ot			
		circle	T	ígúl	igulí m	2σ							✓				✓	✓			-im		
			O		egulí m		✓										✓	✓			-im		
		doll	T	bubá	bubót	2σ							✓				✓			✓	-ot		
			O		bubót		✓										✓			✓	-ot		
		animal	T	xayá	xayót	2σ							✓				✓			✓	-ot		
			O		xayót		✓										✓			✓	-ot		
		giraffe	T	džiráfa	džiráfot	3σ						✓				✓				✓	-ot		
			O	džiráfa	žiráfot		✓				✓					✓				✓	-ot		
		bird	T	cipór	ciporí m	2σ							✓				✓	✓				-im	
	O			siporí m		✓										✓				-im			
	2;04.12	eye	T	áin	eináim	2σ					✓					✓		✓	✓			-aim	
			O	áin	eynáim		✓				✓					✓		✓	✓			-aim	
		baby	T	tinók	tinokót	2σ							✓				✓	✓				-ot	
			O		tinokí m		✓										✓	✓			-im		
		wet wipes	T	magvón	magvoni' m	2σ							✓				✓	✓			-im		
			O		magvoni' m (repetition)		✓										✓	✓			-im		
		doll	T	bubá	bubót	2σ							✓				✓			✓	-ot		
			O		bubót		✓						✓				✓			✓	-ot		
		hand	T	yad	yadáim	1σ							✓		✓		✓		✓			-aim	
			O		daydáim		✓									✓		✓			-aim		
						yadáim		✓								✓		✓			-aim		
		ring	T	tabáat	tabaót	3σ					✓						✓	✓		✓	-ot		
			O		tabaót (repetition)		✓										✓	✓		✓	-ot		
		ponytail holder	T	kukiyá	kukiyót	3σ							✓				✓			✓	-ot		
	O			kokiyót		✓										✓			✓	-ot			
	2;04.19	star	T	koxáv	koxavi m	2σ							✓				✓	✓		-im			
			O		kaxoví m		✓										✓	✓		-im			
		shoe	T	ná.al	na.aláim	2σ					✓					✓		✓				-aim	
			O		naaláim		✓									✓		✓			-aim		
		sweet	T	mamták	mamtakí m	2σ							✓				✓	✓			-im		
			O		mamtakí m		✓										✓	✓		-im			
		candy	T	sukaryá	sukaryót	3σ							✓				✓			✓	-ot		
			O	sukaryá	sukaryót		✓						✓				✓			✓	-ot		
		stuff	T	davár	dvarí m	2σ							✓				✓	✓		✓	-im		
O				dvarí m		✓										✓	✓		✓	-im			
block		T	kubiyá	kubiyót	3σ							✓				✓			✓	-ot			

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of 6 in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix				
								Ante- Penult.	Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final	Reg.				Irreg.	-aim			
C	V	C	V	C	V																			
t	a.o	t	a.o	t	a.o																			
		brock	O		kubiyót		✓						✓			✓		✓	-ot					
IV	2;04.25	friend	T	xavér	xaverí m	2σ							✓			✓	✓			-im				
			O		xaverí m		✓									✓	✓			-im				
		zebra	T	zébra	zébrot	2σ					✓					✓			✓	-ot				
			O	zébra	zébrot		✓				✓					✓			✓	-ot				
		cat	T	xatúl	xatulí m	2σ							✓			✓	✓			-im				
			O	xatúl	xatolí m		✓						✓			✓	✓			-im				
		doll	T	bubá	bubót	2σ								✓			✓			✓	-ot			
			O		bubót		✓										✓			✓	-ot			
		eye	T	áin	eináim	2σ					✓					✓		✓	✓				-aim	
			O	áin	áin		X				✓													
		number	T	mispár	misparí m	2σ								✓			✓	✓			-im			
			O		saparí m (repetition)		✓										✓	✓			-im			
		animal	T	xayá	xayót	2σ									✓			✓			✓	-ot		
			O		xayót		✓											✓			✓	-ot		
	2;05.09	tree	T	ec	ecí m	1σ								✓			✓	✓			-im			
			O		ecí m		✓										✓	✓			-im			
		sock	T	gërev	garbáim	2σ						✓					✓		✓	✓			-aim	
			O	gërev garbá			X X				✓													
		mouse	T	axbár	axbarí m	2σ								✓			✓	✓			-im			
			O		axberí m		✓										✓	✓			-im			
		color	T	céva	cvaí m	2σ							✓				✓	✓		✓	-im			
			O		cvaí m		✓										✓	✓		✓	-im			
		bird	T	cipór	ciporí m	2σ								✓			✓	✓				-im		
			O		ciporí m cipór		✓ X							✓				✓	✓			-im		
		bee	T	dvorá	dvorí m	2σ									✓			✓			✓	-im		
O				dborí m		✓											✓			✓	-im			
cloud		T	anán	anani m	2σ									✓			✓	✓			-im			
		O		anani m		✓											✓	✓			-im			
flower		T	pérax	praxi m	2σ							✓					✓	✓		✓	-im			
		O		praxí m		✓											✓	✓		✓	-im			
eye		T	áin	eináim	2σ							✓				✓		✓	✓			-aim		
		O		einót		✓											X	X	✓		-ot			
lion		T	aryé	arayót	2σ									✓			✓			✓	-ot			
		O	aryé	aryé		X								✓										
sound		T	kol	kolót	1σ									✓			✓	✓				-ot		
		O		kolót		✓											✓	✓			-ot			
branch		T	anáf	anafi m	2σ									✓			✓	✓			-im			
		O		anafi m		✓											✓	✓			-im			
foot		T	régel	ragláim	2σ						✓					✓		✓	✓			-aim		

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of 6 in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix			
								Ante- Penult. Final segment	Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final	Reg.				Irreg.	-aim		
									C	V	C	V										C	V
		root	O		ragzgláim		✓							✓		✓	✓	✓			-aim		
		dog	T	kélev	klaví m	2σ				✓					✓	✓	✓	✓	-im				
			O	kélev	klaví m		✓			✓						✓	✓	✓	✓	-im			
		cat	T	xatúl	xatulí m	2σ				✓			✓			✓	✓			-im			
			O	xatúl	xatulí m		✓					✓					✓	✓			-im		
		popsicle	T	flúk	flúkim	1σ							✓		✓					-im			
			O		flúkim		✓									✓					-im		
		carrot	T	gézer	gzari m	2σ				✓						✓	✓	✓	✓	-im			
			O	gézer	gézer		X				✓										-im		
		turtle	T	cav	cavi m	1σ							✓			✓	✓			-im			
			O	cav	cavi m (repetition)		✓						✓				✓	✓			-im		
		child	T	yéled	yeladi m	2σ				✓						✓	✓	✓		-im			
			O		yeladi m		✓										✓	✓	✓		-im		
		cookie	T	ugiyá	ugiyót	3σ							✓			✓			✓	-ot			
			O		ugiyót		✓										✓			✓	-ot		
		shirt	T	xulcá	xulcót	2σ								✓			✓			✓	-ot		
			O		xulcót		✓										✓			✓	-ot		
		wound	T	péca	peai m	2σ					✓					✓	✓		✓	-im			
			O	péca	péca		X					✓											
		book	T	séfer	sfari m	2σ				✓						✓	✓	✓	✓	-im			
			O	séfer	sfari m		✓				✓						✓	✓	✓	✓	-im		
		baby	T	tinók	tinokót	2σ							✓			✓	✓			-ot			
			O		tinoki m		✓										✓	✓		-im			
	2;05.15	shoe	T	ná.al	na.aláim	2σ				✓					✓		✓				-aim		
			O		na.aláim		✓									✓		✓				-aim	
		light	T	or	orót	1σ								✓			✓	✓			-ot		
			O	or	orót		✓							✓			✓	✓				-ot	
		sock	T	gérev	garbáim	2σ				✓					✓		✓	✓	✓		-aim		
			O		garbáim		✓									✓		✓	✓		-aim		
	2;05.26	book	T	séfer	sfari m	2σ				✓						✓	✓	✓	✓	-im			
			O		sfari m		✓										✓	✓	✓	✓	-im		
		sock	T	gérev	garbáim	2σ				✓						✓		✓	✓		-aim		
			O		garbáim		✓										✓		✓	✓		-aim	
		part	T	xélek	xalaki m	2σ				✓							✓	✓	✓		-im		
			O	xélek	xalaki m		✓			✓							✓	✓	✓		-im		
		bucket	T	dli	dli m	1σ								✓			✓		✓		-im		
			O	dli	dli (repetition)		X							✓									
		eye	T	áin	eináim	2σ				✓						✓		✓	✓		-aim		
			O	áin	eynáim		✓			✓						✓		✓	✓		-aim		
			T	agvaniyá	agvaniyót	3σ							✓				✓			✓	-ot		

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix						
								Ante- Penult. Final segment	Penult. Final segment	Final Final segment	Ante- Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.	-aim										
																				C	V	C	V	C	V	
																										t
		tomato	O	gvanyá (repetition)	agvaniyót		✓							✓			✓			✓	-ot					
		ham-burger	T	hamburger	hamburgerim	3σ		✓							✓						-im					
			O	ʔáguker (repetition)	agúber		X		✓		X															
		whale	T	livyatán	livyatani m	3σ									✓			✓	✓		-im					
			O	livyatán (repetition)	livatáim		✓									✓		X		X			-aim			
		gate	T	fáar	feari m	2σ												✓	✓	✓		-im				
			O	fa: (repetition)	fáar		X																			
		tower	T	migdál	migdali m	2σ													✓	✓		-im				
			O	migdál (repetition)	migdál		X																			
		glass	T	zxuxi t	zxuxiót	2σ														✓	✓		✓	-ot		
			O	túsit			X																			
		airplane	T	avirón	avironi m	3σ														✓	✓		-im			
			O	avirón	avirón		X																			
		balloon	T	balón	baloni m / balónim	2σ														✓	✓	✓	-im			
			O	balón	baloni m		✓														✓	✓	-im			
		wound	T	péca	peai m	2σ															✓	✓	-im			
			O	péca			X																			
		fox	T	fuál	fuali m	2σ																	-im			
			O	fuál	fuál		X																			
		bed	T	mitá	mitót	2σ																	-ot			
			O	mitá	mitá		X																			
		dwarf	T	gamád	gamadi m	2σ																	-im			
			O	gamád	gamád		X																			
		car	T	óto	otoim	2σ															✓		-im			
			O		óto		X																			
		dog	T	kélev	klavi m	2σ																✓	✓	-im		
			O	kélev	kélev		X																			
		scooter	T	kórkinet	kórkinetim / korkinétim	3σ															✓	✓	-im			
			O	kórkinet (repetition)	kórkinet		X																			
		tractor	T	tráktor	tráktorim	2σ																	-im			
			O	kráktor	katekó kákto		X X																			
		mouth	T	pe	piót	1σ																		-ot		
O	pe		pe		X																					
telephone			T	télefon	télefonim / telefonim	3σ			✓											✓	✓	-im				

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of 6 in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix					
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim			
								Final segment		Final segment		Final segment													
								C	V	C	V	C	V												
			t	a.o	t	a.o	t	a.o	t	a.o															
	2;05.28		O	télefon	télefon		X		✓					✓			✓	✓			-im				
		ball	T	kadúr	kadurí m	2σ								✓			✓	✓							
			O	kadúr	kaurí m		X							✓				✓	✓			-im			
		cloud	T	anán	anani m	2σ								✓			✓	✓				-im			
			O		anani m		✓										✓	✓				-im			
		ice cream	T	glí da	glí dot	2σ						✓					✓				✓	-ot			
			O	glí da	glí da		X				✓														
		road	T	kvíj	kvífi m	1σ								✓			✓	✓				-im			
			O		kvíj		X							✓											
		piece	T	xatixá	xatixót	3σ									✓			✓				✓	-ot		
			O		xatixót		✓											✓				✓	-ot		
		foot	T	régel	ragláim	2σ						✓					✓		✓	✓	✓	✓			-aim
			O		ragláim		✓										✓		✓	✓	✓			-aim	
		dress	T	simlá	smalót	2σ									✓			✓				✓	-ot		
			O	simlá	simlót		✓								✓			✓			X	-ot			
		person	T	íj	anafi m	1σ									✓			✓	✓	✓	✓	✓	-im		
			O	íj	íj		X								✓										
		mouse	T	axbár	axbarí m	2σ									✓			✓	✓				-im		
			O		axbarí m		✓											✓	✓				-im		
		picture	T	tmuná	tmunót	2σ									✓			✓				✓	-ot		
	O			tmunót		✓											✓				✓	-ot			
		ice cream	T	glí da	glí dot	2σ						✓				✓					✓	-ot			
			O	glí da	glí da		X					✓													
		game	T	misxák	misxaki m	2σ								✓			✓	✓				-im			
			O		masxaki m		✓											✓	✓			-im			
		sock	T	gêrev	garbáim	2σ						✓					✓		✓	✓	✓			-aim	
			O		garbáim		✓										✓		✓	✓	✓			-aim	
		pepper	T	pí lpel	pí lpelim	2σ						✓				✓			✓			-im			
			O	pí lpel (repetition)	pí lpel		X					✓													
		cheese	T	gviná	gvinót	2σ								✓			✓					✓	-ot		
			O	gviná (repetition)	gvinót		✓							✓			✓					✓	-ot		
		lion	T	aryé	arayót	2σ								✓			✓					✓		-ot	
			O	aryé	aryé		X							✓											
		bunny	T	fafán	fafani m	2σ								✓			✓	✓				✓	-im		
			O		fafani m		✓											✓	✓		X	-im			
		carrot	T	gézer	gzari m	2σ							✓					✓	✓	✓	✓		-im		
			O	gézer	gézer		X					✓										✓			
		cake	T	ugá	ugót	2σ									✓			✓				✓	-ot		
			O	ugá	uguyót		✓								✓			✓			X	-ot			
					T	ner	nerót	1σ							✓			✓	✓					-ot	

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix			
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim	
								Final segment		Final segment		Final segment											
								C	V	C	V	C	V										
			t	a.o	t	a.o	t	a.o	t	a.o	t	a.o											
		canine	O		nerót		✓								✓	✓	✓					-ot	
		zebra	T	zébra	zébrot	2σ				✓					✓				✓	-ot			
			O	zébra	zébrot		✓								✓				✓	-ot			
		window	T	xalón	xalonót	2σ					✓					✓	✓				-ot		
			O		xaloní m		✓								✓	✓				-im			
		baby	T	tinók	tinokót	2σ					✓					✓	✓				-ot		
			O	tinók (repetition)	tinokí m		✓				✓					✓	✓				-im		
		spinning-top			tinóket		X			✓													
			T	sevivón	svivoní m	3σ						✓					✓	✓		✓	-im		
		key	O		sevovanií m		✓										✓	✓		X	-im		
			T	maftéax	maftexót	3σ					✓						✓	✓		✓	-ot		
		bathtub	O	maftéyax	maftexót		✓				✓						✓	✓		✓	-ot		
			T	ambátya	ambátyot	3σ						✓					✓			✓	-ot		
		piano	O	abátya	abátyot		✓					✓					✓			✓	-ot		
			T	psantér	psanterí m	2σ							✓					✓	✓		-im		
		fish	O	psarətén	psartení m		✓						✓					✓	✓		-im		
			T	dag	dagí m	1σ							✓					✓	✓		-im		
		grapefruit	O	dag	dagí m		✓						✓					✓	✓		-im		
			T	efkoli t	efkoliót	3σ							✓					✓	✓		✓	-ot	
		train	O	koli t (repetition)	ko:lí t		X						✓										
			T	rakévet	rakavót	3σ					✓							✓	✓	✓	✓	-ot	
		mouse	O	rakévet	rakeví m		✓				✓							✓	✓	X	✓	-im	
			T	axbár	axbarí m	2σ							✓					✓	✓		-im		
		swing	O	axbár (repetition)	axbarí m		✓						✓					✓	✓		-im		
			T	nadnedá	nadnedót	3σ								✓				✓			✓	-ot	
		picture	O	nadnedá (repetition)	nadedót		✓								✓			✓			✓	-ot	
			T	tmuná	tmunót	2σ									✓				✓		✓	-ot	
		plastic bag	O		tmunót		✓											✓			✓	-ot	
			T	saki t	sakiót	2σ							✓					✓	✓		✓	-ot	
		candy	O	saki t (repetition)	sakiót		✓						✓					✓	✓		✓	-ot	
			T	sukaryá	sukaryót	3σ								✓				✓			✓	-ot	
		shirt	O	sukaryá	sukaryót		✓							✓				✓			✓	-ot	
T	xulcá		xulcót	2σ									✓				✓		✓	-ot			
camel	O	xulcá (repetition)	xulcót		✓								✓				✓		✓	-ot			
	T	gamál	gmalií m	2σ									✓				✓		✓	-im			
	O	gamál	gamalií m		✓							✓					✓		X	-im			
	T	éven	avani m	2σ					✓							✓	✓	✓		-im			

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of 6 in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim
								Final segment		Final segment		Final segment										
								C	V	C	V	C	V									
			t	a.o	t	a.o	t	a.o	t	a.o	t	a.o										
	2;06.06	stone	O	éven (repetition)	avaní m		✓				✓				✓	✓	✓			-im		
		stroller	T	agalá	agalót	3σ		✓					✓			✓			✓	-ot		
			O	agalá	agalót		✓						✓			✓			✓	-ot		
		lamp	T	menorá	menorót	3σ		✓					✓			✓			✓	-ot		
			O	menorá (repetition)	menorót		✓						✓			✓			✓	-ot		
		sweater	T	svéder	svéderim	2σ		✓					✓							-im		
			O		sa:vdí m		✓								X	X				-im		
		chewing gum	T	mástik	mástikim	2σ		✓					✓							-im		
			O	mástik	mástikim		✓						✓							-im		
		cat	T	xatúl	xatulí m	2σ		✓					✓			✓	✓			-im		
			O		xatulí m		✓									✓	✓			-im		
		bracelet	T	camí d	cmidí m	2σ		✓					✓			✓	✓		✓	-im		
			O	camí d	camidí m		✓						✓			✓	✓		X	-im		
		2;06.12	2;06.06	candy	T	sukaryá	sukaryót	3σ		✓				✓			✓			✓	-ot	
					O		sukaryót		✓							✓			✓	-ot		
	sock			T	gërev	garbáim	2σ		✓						✓		✓	✓	✓		-aim	
				O		garbáim		✓							✓		✓	✓	✓		-aim	
	shoe			T	ná.al	na.aláim	2σ		✓						✓		✓				-aim	
				O		naaláim		✓							✓		✓				-aim	
	light			T	or	orót	1σ		✓					✓			✓	✓			-ot	
				O		orót		✓									✓	✓			-ot	
	block			T	kubiyá	kubiyót	3σ		✓						✓			✓		✓	-ot	
				O		kubiyót		✓									✓			✓	-ot	
	hand		T	yad	yadáim	1σ		✓					✓		✓		✓				-aim	
			O		dáim		✓								✓		✓				-aim	
	painting		T	ciyúr	ciyurí m	2σ		✓					✓			✓	✓			-im		
			O	ciyúr	ciyurí m		✓						✓			✓	✓			-im		
	snail		T	xilazón	xelzonót	3σ		X					✓			✓	✓	✓	✓		-ot	
			O	xilazón	xilazón		✓						✓									
	pants		T	mixnás	mixnasáim	2σ		✓					✓		✓		✓				-aim	
			O		mixnasáim		✓								✓		✓				-aim	
	stroller	T	agalá	agalót	3σ		✓						✓			✓			✓	-ot		
		O		agalót		✓										✓			✓	-ot		
2;06.12	bucket	T	dli	dli m	1σ		X					✓			✓		✓		-im			
		O	dli	dli		X						✓										
	eye	T	áin	eináim	2σ		✓				✓			✓		✓	✓			-aim		
		O	áin	eináim		✓						✓		✓		✓	✓			-aim		
	tomato	T	agvaniyá	agvaniyót	3σ		✓					✓			✓			✓	-ot			
		O	agvanyá	agvanyót		✓						✓			✓			✓	-ot			
	ham-burger	T	hámburger	hámburgerim	3σ		X	✓						✓					-im			
		O		hábunker		X	✓															

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix						
								Ante- Penult. Final segment	Penult. Final segment	Final Final segment	Ante- Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.	-aim										
t	a.o	V	t	a.o	V	t	a.o	V																		
		whale	T	livyatán	livyatani' m	3σ							✓			✓	✓			-im						
			O		livantót		✓									✓	✓				-ot					
		gate	T	fáar	feari' m	2σ					✓						✓	✓	✓		-im					
			O		fára		X				✓															
					fá.ar		X				✓															
		tower	T	migdál	migdali' m	2σ								✓				✓	✓			-im				
			O	migdál (repetition)	mí' gdalót		✓							✓				✓					-ot			
		glass	T	zxuxi' t	zxuxiót	2σ								✓				✓	✓			✓	-ot			
			O		suxi' m		✓											✓	✓			✓		-im		
		airplane	T	avirón	avironi' m	3σ									✓				✓	✓			-im			
			O	avirón	avori' n		✓								✓				✓	✓			-im			
		balloon	T	balón	baloni' m / balónim	2σ									✓			✓	✓	✓			-im			
			O	balón	baloni' m		✓								✓				✓	✓			-im			
		wound	T	péca	pcai' m	2σ								✓					✓	✓			✓	-im		
			O	pésa	pésa		X							✓												
		fox	T	fual	fuali' m	2σ									✓				✓	✓			-im			
			O	fual (repetition)	fualót		✓								✓				✓	✓				-ot		
		bed	T	mitá	mitót	2σ										✓			✓				✓	-ot		
			O	mitá	mitót		✓									✓			✓				✓	-ot		
		dwarf	T	gamád	gamadi' m	2σ									✓				✓	✓			-im			
			O	gamál gamád (repetition)	gamadót		✓								✓				✓	✓				-ot		
		car	T	óto	ótoim	2σ									✓			✓					-im			
			O	óto	áto		X								✓											
					óto		X								✓											
		dog	T	kélev	klavi' m	2σ									✓				✓	✓	✓	✓	-im			
			O	kélev	kélev		X								✓											
		scooter	T	kórkinet	kórkinetim / korkinétim	3σ			✓							✓	✓		✓				-im			
			O	kórkinet (repetition)	kórkinet		X		✓																	
		tractor	T	tráktor	tráktorim	2σ									✓			✓					-im			
			O	tráktor (repetition)	7áctor		X								✓											
		mouth	T	pe	piót	1σ										✓			✓	✓	✓			-ot		
			O	pe	pe		X																			
		telephone	T	télefon	télefonim / telefónim	3σ			✓							✓	✓		✓				-im			
			O	télefon	télefon		X		✓																	
		ball			T	kadúr	kaduri' m	2σ								✓			✓	✓			-im			

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of 6 in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix				
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim		
								Final segment		Final segment		Final segment												
								C	V	C	V	C	V											
			t	a.o	t	a.o	t	a.o	t	a.o														
		van	O	kadúr	kadu:rí m		✓						✓			✓	✓			-im				
		cloud	T	anán	anani' m	2σ							✓				✓	✓			-im			
			O	anán	anani' m		✓						✓				✓	✓			-im			
		drop	T	tipá	tipót	2σ								✓				✓			✓	-ot		
			O		tipót		✓										✓			✓	-ot			
		ice cream	T	glí da	glí dot	2σ					✓						✓			✓	-ot			
			O	glidá	glí dot		✓				✓						✓			✓	-ot			
		road	T	kvíj	kvíj m	1σ							✓					✓	✓		-im			
			O	kvíj (repetition)	kvíj		X						✓											
		pepper	T	pí lpel	pí lpelim	2σ						✓				✓						-im		
			O		pí lpel		X					✓												
		cheese	T	gviná	gvinót	2σ									✓			✓			✓	-ot		
			O	gviná (repetition)			X								✓									
		lion	T	aryé	arayót	2σ									✓			✓			✓	-ot		
			O	arayé	arayót		✓								✓			✓			✓	-ot		
		rabbit	T	ʔarnáv	ʔarnavót / ʔarnavi m	2σ									✓			✓	✓			-im /- ot		
			O	ʔarnáv	ʔarnavót		✓								✓			✓	✓			-ot		
		carrot	T	gézer	gzari' m	2σ							✓					✓	✓	✓	✓	-im		
			O	gézer	gézer		X						✓											
		bunny	T	ʃafán	ʃfani' m	2σ									✓			✓	✓		✓	-im		
			O		ʃafani' m		✓											✓	✓		X	-im		
		cake	T	ugá	ugót	2σ									✓			✓			✓	-ot		
			O	ugá	ugót		✓								✓			✓			✓	-ot		
		zebra	T	zébra	zébrot	2σ							✓					✓			✓	-ot		
			O	zébra	zébrot		✓					✓						✓			✓	-ot		
		window	T	xalón	xalonót	2σ									✓			✓	✓			-ot		
			O	xalón (repetition)	xaloní' m		✓								✓			✓	✓			-im		
		baby	T	tinók	tinokót	2σ									✓			✓	✓			-ot		
			O	tinók	tinoki' m		✓								✓			✓	✓			-im		
		spinning-top	T	sevivón	svivoni' m	3σ									✓			✓	✓		✓	-im		
O	sevivón (repetition)		sevivoni' m		✓								✓			✓	✓		X	-im				
key	T	maftéax	maftéxót	3σ							✓					✓	✓		✓	-ot				
	O	maftéyax	maftéax		X						✓													
					maftexí' m		✓									✓	✓		✓	-im				
bathtub	T	ambátya	ambátyot	3σ							✓					✓			✓	-ot				
	O	ambátya	abátyot		✓						✓					✓			✓	-ot				
piano	T	psantér	psanteri' m	2σ									✓			✓	✓			-im				
	O	pastér (repetition)	psant ^b ér		X								✓											

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix					
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim			
								Final segment		Final segment		Final segment													
								C t	V a.o	C t	V a.o	C t	V a.o												
	2;06.19	fish	T	dag	dagí m	1σ							✓			✓	✓			-im					
			O	dag	dagí m		✓						✓			✓	✓			-im					
		grapefruit	T	efkoli t	efkoliót	3σ							✓				✓	✓		✓	-ot				
			O	koli t (repetition) eskoli t (repetition)			X						✓												
		train	T	rakévet	rakavót	3σ				✓							✓	✓		✓	✓	-ot			
			O	rakévet	rakaví m		✓			✓								✓	✓		✓	✓	-im		
		mouse	T	axbár	axbarí m	2σ								✓				✓	✓			-im			
			O	axbár (repetition)	axbarí m		✓							✓				✓	✓			-im			
		swing	T	nadnedá	nadnedót	3σ									✓				✓			✓	-ot		
			O	nadnedá (repetition)	nadedót		✓								✓				✓			✓	-ot		
		plastic bag	T	saki t	sakiót	2σ								✓					✓	✓		✓	-ot		
			O	saki t (repetition)	sakiót		✓							✓					✓	✓		✓	-ot		
		candy	T	sukaryá	sukaryót	3σ									✓				✓			✓	-ot		
			O	sukaryá	sukaryót		✓								✓				✓			✓	-ot		
		shirt	T	xulcá	xulcót	2σ									✓				✓			✓	-ot		
			O	xulcá	xulcá		X								✓										
		camel	T	gamál	gmali m	2σ									✓				✓	✓		✓	-im		
			O	gamál	gamali m		✓								✓				✓	✓		X	-im		
		stone	T	éven	avani m	2σ					✓								✓	✓		✓		-im	
			O	éven (repetition)	avani m		✓				✓								✓	✓		✓		-im	
		stroller	T	agalá	agalót	3σ									✓				✓			✓	-ot		
			O	agalá	agalót		✓								✓				✓			✓	-ot		
		lamp	T	menorá	menorót	3σ									✓				✓			✓	-ot		
			O	menorá (repetition)	manorót		✓								✓				✓			✓	-ot		
		sweater	T	svéder	svéderim	2σ					✓					✓							-im		
			O	svéder (repetition)	svéder		X				✓														
		stair	T	madregá	madregót	3σ									✓				✓			✓	-ot		
			O		magredót madregót		✓ ✓												✓ ✓			✓ ✓	-ot -ot		
		house	T	báit	bati m	2σ					✓								✓	✓		✓	-im		
			O		báit		X				✓														
		person	T	if	anafi m	1σ									✓				✓	✓		✓	-im		
			O		anasi m (repetition)		✓								✓				✓	✓		✓	-im		
	2;06.19		T	bakbúk	bakbuki m	2σ							✓				✓	✓			-im				

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of 6 in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim
								Final segment		Final segment		Final segment										
								C	V	C	V	C	V									
			t	a.o		t	a.o		t	a.o												
	2;06.29	bottle	O		bakbukí m		✓								✓	✓			-im			
		surprise	T	hafta.á	haftaót	3σ							✓			✓			✓	-ot		
			O		haftaót		✓									✓			✓	-ot		
		eye	T	áin	eináim	2σ				✓					✓		✓	✓			-aim	
			O		eináim		✓								✓		✓	✓			-aim	
		ear	T	ózen	oznáim	2σ				✓					✓		✓		✓		-aim	
			O		oznáim		✓								✓		✓				-aim	
		sock	T	gérev	garbáim	2σ				✓					✓		✓	✓	✓		-aim	
			O	gérev	garbáim		✓			✓					✓		✓	✓	✓			
		picture	T	tmuná	tmunót	2σ								✓			✓		✓	-ot		
			O	tmuná	tmunót		✓							✓			✓		✓	-ot		
		hand	T	yad	yadáim	1σ							✓			✓		✓			-aim	
			O		yadáim		✓									✓		✓			-aim	
		drinking glass	T	kos	kosót	1σ							✓				✓	✓		-ot		
			O		kosót		✓										✓	✓		-ot		
		duck	T	barváz	barvazi m	2σ							✓				✓	✓		-im		
			O		barvazí m (repetition)		✓										✓	✓		-im		
		cat	T	xatúl	xatulí m	2σ								✓			✓	✓		-im		
			O	xatúl	xatulí m		✓							✓			✓	✓		-im		
		block	T	kubiyá	kubiyót	3σ									✓			✓		✓	-ot	
			O		kubiyót		✓											✓		✓	-ot	
		tower	T	migdál	migdali m	2σ								✓			✓	✓		-im		
			O	migdál	migdali m		✓							✓			✓	✓		-im		
		bird	T	cipór	ciporí m	2σ								✓			✓	✓			-im	
			O		ciporí m		✓										✓	✓		-im		
		stair	T	madregá	madregót	3σ									✓		✓			✓	-ot	
			O		mabegót		✓										✓			✓	-ot	
	2;07.19	glitter	T	nácnac	nácnacim	2σ					✓				✓					-im		
			O		nácnasim		✓								✓					-im		
		foot	T	réigel	ragláim	2σ					✓					✓		✓	✓		-aim	
			O		ragláim (repetition)		✓									✓		✓	✓		-aim	
		color	T	céva	cvai m	2σ						✓					✓	✓		✓	-im	
			O		cvai m		✓										✓	✓		✓	-im	
		stair	T	madregá	madregót	3σ								✓			✓			✓	-ot	
			O		mavregót		✓										✓			✓	-ot	
				O		madregót (repetition)		✓										✓			✓	-ot
		shape	T	curá	curót	2σ									✓			✓		✓	-ot	
			O		curót		✓											✓		✓	-ot	
	2;08.02	shoe	T	ná.al	na.aláim	2σ					✓					✓		✓			-aim	
			O		na.aláim		✓										✓		✓		-aim	

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of 6 in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix				
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim		
								Final segment		Final segment		Final segment												
								C t	V a.o	C t	V a.o	C t	V a.o											
	2;08.19	flower	T	pérax	praxí m	2σ									✓	✓		✓	-im					
			O		praxí m		✓								✓	✓		✓	-im					
		rubber band	T	gumiyá	gumiyót	3σ								✓			✓		✓	-ot				
			O		gumiyót (repetition)		✓									✓			✓	-ot				
		block	T	kubiyá	kubiyót	3σ								✓			✓		✓	-ot				
			O		kubiyót		✓									✓			✓	-ot				
		foot	T	régel	ragláim	2σ										✓		✓				-aim		
			O		régel gagláim		X ✓									✓		✓				-aim		
		ear	T	ózen	oznáim	2σ											✓		✓			-aim		
			O		oznáim		✓										✓		✓			-aim		
		stick	T	makél	maklót	2σ									✓			✓		✓		-ot		
			O		makél makelót		✓ ✓								✓			✓		✓		-ot		
		picture	T	tmuná	tmunót	2σ									✓			✓		✓	-ot			
			O		tmu:nót (repetition)		✓										✓			✓	-ot			
		foot	T	régel	ragláim	2σ											✓		✓			-aim		
			O		ragláim		✓										✓		✓			-aim		
		hand	T	yad	yadáim	1σ									✓			✓		✓		-aim		
			O		yadáim (repetition)		✓ ✓										✓		✓			-aim		
		circle	T	ígúl	igulí m	2σ									✓			✓			-im			
			O		igulí m		✓										✓		✓		-im			
		eye	T	áin	eináim	2σ											✓		✓			-aim		
			O		eináim		✓										✓		✓			-aim		
			cow	T	pará	parót	2σ									✓			✓		✓	-ot		
				O		parót		✓										✓			✓	-ot		
			animal	T	xayá	xayót	2σ											✓			✓	-ot		
				O		xayót		✓											✓			✓	-ot	
	under-wear		T	taxtón	taxtoní m	2σ									✓			✓		✓	-im			
			O		taxtoní m		✓											✓			-im			
	pants		T	mixnás	mixnasáim	2σ									✓			✓		✓			-aim	
			O		mixnasáim		✓										✓		✓			-aim		
	hand		T	yad	yadáim	1σ									✓			✓		✓			-aim	
			O		yadáim		✓										✓		✓			-aim		
	block		T	kubiyá	kubiyót	3σ										✓			✓		✓	-ot		
			O		kubiyót		✓											✓			✓	-ot		
	line		T	kav	kaví m	1σ										✓			✓		✓	-im		
			O		kaví m		✓								✓				✓		✓	-im		
	umbrella			T	mitriyá	mitriyót	3σ									✓			✓		✓	-ot		

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix						
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim				
								Final segment		Final segment		Final segment														
								C	V	C	V	C	V													
			t	a.o	t	a.o	t	a.o	t	a.o	t	a.o														
		umorena	O	mitriyá	mitriyót		✓							✓			✓			✓	-ot					
		flower	T	pérax	praxí m	2σ					✓							✓	✓		✓	-im				
			O		praxí m		✓											✓	✓		✓	-im				
		apple	T	tapúax	tapuxí m	2σ					✓								✓	✓		✓	-im			
			O		tapuxí m		✓												✓	✓		✓	-im			
		cat	T	xatúl	xatulí m	2σ								✓					✓	✓			-im			
			O		xatulí m		✓												✓	✓			-im			
		tail	T	zanáv	znavót	2σ								✓					✓	✓		✓		-ot		
			O		zanáv		X							✓												
		part	T	xélek	xalaki m	2σ						✓								✓	✓	✓		-im		
			O		xélek	xalakí m		✓				✓								✓	✓	✓		-im		
		eye	T	áin	eináim	2σ						✓						✓		✓	✓	✓			-aim	
			O		eináim		✓											✓		✓	✓			-aim		
		card	T	klaf	klafi m	1σ									✓					✓	✓			-im		
			O		klafi m		✓													✓	✓			-im		
		auto-mobile	T	mexoni t	mexoniót	3σ								✓						✓	✓		✓	-ot		
			O		maxoniyót		✓													✓	✓		✓	-ot		
		ear			toxniót		✓													✓			✓	-ot		
			T	ózen	oznáim	2σ						✓							✓		✓		✓		-aim	
		ice cream	O		oznáim		✓												✓		✓		✓		-aim	
			T	glí da	glí dot	2σ							✓							✓			✓	-ot		
		drinking glass	O		glí dot		✓													✓			✓	-ot		
			T	kos	kosót	1σ									✓					✓	✓			-ot		
		fish	O		kosót		✓													✓	✓			-ot		
			T	dag	dagi m	1σ									✓					✓	✓			-im		
		ball	O		dagi m		✓													✓	✓			-im		
			T	kadúr	kaduri m	2σ									✓					✓	✓			-im		
		banana	O		kadurí m		✓													✓	✓			-im		
			T	banána	banánót	3σ							✓						✓				✓	-ot		
		corn	O		banánót		✓												✓				✓	-ot		
			T	tí ras	tí rasim	2σ						✓					✓							-im		
		water-melon	O		tí ras		X					✓														
			T	avati ax	avatixi m	4σ						✓								✓	✓		✓	-im		
		friend	O		təvovati ax		X					✓														
			T	xavér	xaverí m	2σ									✓					✓	✓			-im		
		doll	O		xaverí m		✓													✓	✓			-im		
T	bubá		bubót	2σ									✓					✓			✓	-ot				
game	O		bubót (repetition)		✓													✓			✓	-ot				
	T	misxák	misxaki m	2σ									✓					✓	✓			-im				
baby	O		misxák	mitxakí m		✓						✓						✓	✓			-im				
	T	tinók	tinokót	2σ									✓					✓	✓			-ot				
			O		tinokót		✓											✓	✓			-ot				

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of 6 in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim
								Final segment		Final segment		Final segment										
								C	V	C	V	C	V									
			t	a.o	t	a.o	t	a.o	t	a.o												
	2;9.06	hand	T	yad	yadáim	1σ							✓		✓		✓				-aim	
			O		yadáim		✓							✓		✓					-aim	
		flower	T	pérax	praxi m	2σ				✓						✓	✓		✓	-im		
			O		praxí m		✓									✓	✓			-im		
		sticker	T	madbeká	madbekót	3σ							✓			✓			✓	-ot		
			O		madbekót		✓									✓			✓	-ot		
		friend	T	xavér	xaverí m	2σ							✓			✓	✓			-im		
			O		xaverí m		✓									✓	✓			-im		
		thunder	T	barák	brakí m	2σ							✓			✓	✓		✓	-im		
			O		barakí m		✓									✓	✓		X	-im		
		shoe	T	ná.al	na.aláim	2σ					✓					✓		✓				-aim
			O		naaláim		✓									✓		✓				-aim
		train	T	rakévet	rakavót	3σ					✓						✓	✓		✓	-ot	
			O		rakévet		✓			✓												
		drop	T	tipá	tipót	2σ								✓			✓			✓	-ot	
			O		tipót		✓										✓			✓	-ot	
		present	T	mataná	matanót	3σ								✓			✓			✓	-ot	
			O		matanót		✓										✓			✓	-ot	
		part	T	xélek	xalakí m	2σ					✓						✓	✓		✓	-im	
			O		xélek	xalakí m		✓			✓						✓	✓		✓	-im	
		dwarf	T	gamád	gamadí m	2σ								✓			✓	✓			-im	
			O		gamadí m		✓										✓	✓			-im	
		song	T	fir	firi m	1σ								✓			✓	✓			-im	
			O		serí m		✓										✓	✓			-im	
	2;9.13	eye	T	áin	eináim	2σ					✓					✓		✓	✓			-aim
			O		eináim		✓									✓		✓	✓			-aim
		puzzle	T	pázel	pázelim	2σ					✓				✓						-im	
			O		pázelim		✓								✓						-im	
	2;09.17	stair	T	madregá	madregót	3σ								✓			✓			✓	-ot	
			O		mavregót		✓										✓			✓	-ot	
		sweet	T	mamták	mamtakí m	2σ								✓			✓	✓			-im	
			O		mamtakí m		✓										✓	✓			-im	
		tooth	T	fén	fináim	1σ								✓		✓		✓	✓			-aim
			O		sináim		✓							✓		✓		✓	✓			-aim
		glitter			fináim (repetition)		✓									✓		✓	✓			-aim
			T	nácnac	nácnacim	2σ					✓				✓						-im	
		pants	O		nátnasim		✓								✓						-im	
			T	mixnás	mixnasáim	2σ								✓		✓		✓				-aim
		child	O		mixnasáim		✓									✓		✓				-aim
			T	yéled	yeladí m	2σ					✓						✓	✓	✓		-im	
			O		yeladí m		✓										✓	✓	✓		-im	
			T	gamád	gamadí m	2σ								✓			✓	✓	✓		-im	

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of 6 in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix			
								Ante- Penult.	Penult.		Final segment		Ante- Penult. / Pre-Ante Penult.	Penult.	Final	Reg.				Irreg.	-aim		
C	V	C	V	C	V																		
t	a.o	t	a.o	t	a.o																		
	2;09.28	dwarf	O		gámadim		✓							X			X			-im			
					gamadí m		✓								✓	✓			-im				
		part	T	xélek	xalaki m	2σ				✓					✓	✓	✓			-im			
				O	xélek	xalakí m		✓						✓	✓	✓			-im				
		hand	T	yad	yadáim	1σ						✓			✓	✓	✓					-aim	
				O	yadáim		✓							✓		✓					-aim		
		game	T	misxák	misxaki m	2σ						✓				✓	✓				-im		
				O	misxák	misxakí m		✓					✓			✓	✓				-im		
		feather	T	nocá	nocót	2σ							✓				✓			✓	-ot		
				O	nosót		✓									✓				✓	-ot		
		sticker	T	madbeká	madbekót	3σ							✓				✓			✓	-ot		
				O	madbekót		✓									✓				✓	-ot		
		card	T	klaf	klafi m	1σ							✓				✓	✓			-im		
				O	klaff m		✓									✓	✓			-im			
		shoe	T	ná.al	na.aláim	2σ						✓				✓		✓					-aim
				O	naaláim		✓								✓		✓					-aim	
		sock	T	gérev	garbáim	2σ						✓				✓		✓	✓	✓			-aim
				O	garbáim		✓								✓		✓	✓	✓			-aim	
		dot	T	nekudá	nekudót	3σ							✓				✓			✓	-ot		
				O	nekudót		✓									✓				✓	-ot		
		sticker	T	madbeká	madbekót	3σ							✓				✓			✓	-ot		
				O	madbeká	malbekót		✓					✓				✓			✓	-ot		
		color	T	céva	cvai m	2σ						✓					✓	✓		✓	-im		
				O	céva	cevai m		✓				✓					✓	✓		X	-im		
		ear	T	ózen	oznáim	2σ						✓					✓		✓		✓		-aim
				O	oznáim		✓									✓		✓		✓		-aim	
		cloud	T	anán	anani m	2σ							✓				✓	✓			-im		
				O	anán	ánani m		✓					✓				✓	✓			-im		
		tail	T	zanáv	znavót	2σ							✓				✓	✓		✓		-ot	
				O	zanáv	zanavi m		✓					✓				✓	✓		X	-im		
		foot	T	régel	ragláim	2σ						✓					✓		✓	✓			-aim
				O	ragláim		✓									✓		✓	✓	✓		-aim	
		straw-berry	T	tut	tútím	1σ							✓				✓				-im		
				O	tut	tuti m		✓					✓					X			-im		
		necklace	T	farfêret	farfêraót	3σ					✓						✓	✓		✓	-ot		
					fêret	ftim		✓			✓						✓	✓		X		-im	
				O	farfêret (repetition)	fútím		✓			✓					X		X		X		-im	
					faxserót		✓										✓	✓		X	-ot		
		pin	T	siká	sikót	2σ							✓				✓			✓	-ot		
				O	kiká	tikót		✓						✓				✓			✓	-ot	
					sikót		✓										✓			✓	-ot		
		box	T	xalón	xalonót	2σ							✓				✓	✓				-ot	

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of 6 in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix				
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim		
								Final segment		Final segment		Final segment												
								C t	V a.o	C t	V a.o	C t	V a.o											
	2;10.03	wmduw	O		xaloní m		✓	t	a.o		t	a.o		t	a.o			✓	✓			-im		
		flower	T	pérax	praxi m	2σ	✓				✓						✓	✓		✓	-im			
			O		praxi :m praxi m		✓										✓	✓		✓	-im			
		ant	T	nemalá	nemali m	3σ	✓								✓		✓			✓	-im			
			O		nemalót		✓										✓			✓	-ot			
		stone	T	éven	avani m	2σ	✓				✓						✓	✓		✓	-im			
			O		avani m		✓										✓	✓		✓	-im			
		child	T	yéled	yeladi m	2σ	✓				✓						✓	✓		✓	-im			
			O		yeladi m		✓										✓	✓		✓	-im			
		kinder garden teacher	T	ganénet	gananót	3σ	✓				✓						✓	✓		✓	-ot			
			O		gananót		✓										✓	✓		✓	-ot			
		stair	T	madregá	madregót	3σ	✓									✓		✓			✓	-ot		
			O		mavregót		✓										✓			✓	-ot			
		shoe	T	ná.al	na.aláim	2σ	✓				✓						✓		✓			-aim		
			O		na.aláim		✓										✓		✓			-aim		
		sock	T	gérev	garbáim	2σ	✓				✓						✓		✓		✓	-aim		
			O		garbáim		✓										✓		✓		✓	-aim		
		freckle	T	némej	nemaí m	2σ	✓				✓						✓	✓		✓	-im			
			O		dayí m		✓										✓	✓		✓	-im			
		tear	T	dimá	dmaót	2σ	✓									✓		✓	✓		✓	-ot		
			O		dmaót		✓										✓	✓		✓	-ot			
		drop	T	tipá	tipót	2σ	✓									✓		✓			✓	-ot		
			O		tipót		✓										✓			✓	-ot			
		sticker	T	madbeká	madbekót	3σ	✓									✓		✓			✓	-ot		
			O		madbekót		✓										✓			✓	-ot			
		tentacle	T	maxóf	mexofi m	2σ	✓									✓		✓	✓		✓	-im		
			O		mexofi m		✓										✓	✓		✓	-im			
		bunny	T	fafán	fíani m	2σ	✓									✓		✓	✓		✓	-im		
			O		fafani m		✓									✓		✓		X	-im			
		mouse	T	axbár	axbari m	2σ	✓									✓		✓	✓			-im		
			O		axbari m		✓										✓	✓			-im			
		balloon	T	balón	baloni m / balónim	2σ									✓		✓	✓				-im		
			O		baloni t		✓										✓	✓			-im			
		flower	T	pérax	praxi m	2σ	✓				✓						✓	✓			✓	-im		
			O		praxi m		✓										✓	✓			✓	-im		
		ice cream	T	glí da	glí dot	2σ						✓					✓				✓	-ot		
			O		gli da		X					✓												
		person	T	íj	anaí m	1σ										✓		✓	✓		✓	-im		
O			íj m		✓										✓	✓		X	X	-im				

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.				-aim		
								Final segment		Final segment		Final segment												
								C		C		C												
								t	a.o	t	a.o	t	a.o											
		wafer	T	váfel	váflim	2σ					✓					✓			✓	-im				
			O		báflim		✓									✓			✓	-im				
		dishware	T	kli	keli m	1σ									✓			✓		✓	-im			
			O		kalí		✓											✓		X	-im			
		lion	T	aryé	arayót	2σ									✓			✓		✓		-ot		
			O		aryé		X								✓									
						arayí m		✓									✓		✓	-im				
		under-wear	T	taxtón	taxtoní m	2σ									✓				✓	✓		-im		
			O		taxtoní m		✓												✓	✓		-im		

Appendix 2 -Developmental data by type

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	number of 6 in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix				
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim		
								Final segment		Final segment		Final segment												
								C t	a.o	C t	a.o	C t	a.o											
IV	2;05.26	airplane	T	avirón	avironí m	3σ							✓			✓				-im				
IV	2;05.26		O	avirón	avirón		X						✓											
IV	2;06.12		T	avirón	avironí m	3σ							✓			✓	✓			-im				
IV	2;06.12		O	avirón	avorí n		✓						✓			✓	✓			-im				
I	1;11.25	animal	T	xayá	xayót	2σ								✓			✓			✓	-ot			
I	1;11.25		O		xayót		✓										✓			✓	-ot			
II	2;01.19		T	xayá	xayót	2σ								✓			✓				-ot			
II	2;01.19		O		xayót (repetition)		✓										✓				-ot			
III	2;02.11		T	xayá	xayót	2σ								✓			✓			✓	-ot			
III	2;02.11		O		xayót		✓										✓			✓	-ot			
III	2;03.14		T	xayá	xayót	2σ								✓			✓			✓	-ot			
III	2;03.14		O		xayót		✓										✓			✓	-ot			
III	2;04.05		T	xayá	xayót	2σ								✓			✓			✓	-ot			
III	2;04.05		O		xayót		✓										✓			✓	-ot			
IV	2;04.25		T	xayá	xayót	2σ								✓			✓			✓	-ot			
IV	2;04.25		O		xayót		✓										✓			✓	-ot			
IV	2;08.19		T	xayá	xayót	2σ								✓			✓			✓	-ot			
IV	2;08.19		O		xayót		✓										✓			✓	-ot			
II	2;00.29	ant	T	nemalá	nemali m	3σ							✓			✓			✓		-im			
II	2;00.29		O	malá	imalí		✓							✓			✓			✓		-im		
II	2;00.29		O		malí		✓										✓			✓		-im		
IV	2;10.03		T	nemalá	nemali m	3σ								✓			✓			✓		-im		
IV	2;10.03		O		nemalót		✓									✓			✓	-ot				
IV	2;08.19	apple	T	tapúax	tapuxí m	2σ					✓					✓	✓		✓	-im				
IV	2;08.19		O		tapuxí m		✓										✓	✓		✓	-im			
IV	2;08.19	auto-mobile	T	mexoni t	mexoniót	3σ						✓				✓	✓		✓	-ot				
IV	2;08.19		O		maxoniyót		✓										✓	✓		✓	-ot			
IV	2;08.19		O		toxniót		✓										✓			✓	-ot			
III	2;04.12	baby	T	tinók	tinokót	2σ							✓			✓	✓				-ot			
III	2;04.12		O		tinokí m		✓										✓	✓			-im			
IV	2;05.09		T	tinók	tinokót	2σ							✓				✓	✓				-ot		
IV	2;05.09		O		tinokí m		✓										✓	✓			-im			
IV	2;05.28		T	tinók	tinokót	2σ							✓				✓	✓				-ot		
IV	2;05.28		O	tinók (repetition)	tinokí m		✓						✓				✓	✓			-im			
IV	2;05.28		O		tinóket		X			✓												-ot		
IV	2;06.12		T	tinók	tinokót	2σ							✓				✓	✓				-ot		
IV	2;06.12		O	tinók	tinokí m		✓						✓				✓	✓			-im			
IV	2;08.19	T	tinók	tinokót	2σ							✓				✓	✓				-ot			

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	number of 6 in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.				-aim		
								Final segment		Final segment		Final segment												
								C	V	C	V	C	V											
								t	a.o	t	a.o	t	a.o											
IV	2;08.19		O		tinokót		✓							✓	✓					-ot				
IV	2;05.26	ball	T	kadúr	kadurí m	2σ							✓		✓	✓				-im				
IV	2;05.26		O	kadúr	kadúr		X						✓											
IV	2;05.26		O		kaurí m		✓									✓	✓			-im				
IV	2;06.12		T	kadúr	kadurí m	2σ							✓		✓	✓				-im				
IV	2;06.12		O	kadúr	kadu:rí m		✓						✓			✓	✓			-im				
IV	2;08.19		T	kadúr	kadurí m	2σ							✓			✓	✓			-im				
IV	2;08.19		O		kadurí m		✓									✓	✓			-im				
IV	2;05.26	balloon	T	balón	baloní m / balónim	2σ							✓		✓	✓	✓			-im				
IV	2;05.26		O	balón	baloní m		✓						✓			✓	✓			-im				
IV	2;06.12		T	balón	baloní m / balónim	2σ							✓		✓	✓	✓			-im				
IV	2;06.12		O	balón	baloní m		✓						✓			✓	✓			-im				
IV	2;10.03		T	balón	baloní m / balónim	2σ							✓		✓	✓	✓			-im				
IV	2;10.03		O		baloní t		✓									✓	✓			-im				
IV	2;08.19	banana	T	banána	banánót	3σ						✓			✓				✓	-ot				
IV	2;08.19		O		banánót		✓									✓			✓	-ot				
IV	2;05.28	bathtub	T	ambátya	ambátyot	3σ						✓			✓				✓	-ot				
IV	2;05.28		O	abátya	abátyot		✓					✓				✓			✓	-ot				
IV	2;06.12		T	ambátya	ambátyot	3σ							✓			✓			✓	-ot				
IV	2;06.12		O	ambátya	abátyot		✓					✓				✓			✓	-ot				
II	2;00.09	bear	T	dov	dubí m	1σ							✓			✓	✓	✓		-im				
II	2;00.09		O		dubí m		✓									✓	✓	✓		-im				
III	2;02.18		T	dov	dubí m	1σ							✓			✓	✓	✓		-im				
III	2;02.18		O		dubí m		✓									✓	✓	✓		-im				
IV	2;05.26	bed	T	mitá	mitót	2σ							✓			✓			✓	-ot				
IV	2;05.26		O	mitá	mitá		X						✓											
IV	2;06.12		T	mitá	mitót	2σ							✓			✓			✓	-ot				
IV	2;06.12		O	mitá	mitót		✓						✓			✓			✓	-ot				
II	2;01.19	bee	T	dvorá	dvorí m	2σ							✓			✓			✓	-im				
II	2;01.19		O		ciborí m		✓									✓			✓	-im				
IV	2;05.09		T	dvorá	dvorí m	2σ							✓			✓			✓	-im				
IV	2;05.09		O		dborí m		✓									✓			✓	-im				
I	1;11.25	cup	T	cipór	ciporí m	2σ							✓			✓	✓			-im				
I	1;11.25		O	fípór	cèporí m		✓						✓			✓	✓			-im				
II	2;01.19		T	cipór	ciporí m	2σ							✓			✓	✓			-im				
II	2;01.19		O		ciporí m		✓									✓	✓			-im				
III	2;02.18		T	cipór	ciporí m	2σ							✓			✓	✓			-im				
III	2;02.18		O	cipór	parexí m		✓						✓			✓	✓	X	X	-im				

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim
								Final segment		Final segment		Final segment										
								C t	V a.o	C t	V a.o	C t	V a.o									
III	2;04.05	bird	T	cipór	ciporí m	2σ							✓			✓	✓			-im		
III	2;04.05		O		siporí m		✓									✓	✓			-im		
IV	2;05.09		T	cipór	ciporí m	2σ							✓				✓	✓		-im		
IV	2;05.09		O		ciporí m		✓									✓	✓			-im		
IV	2;05.09		O		cipór		X						✓									
IV	2;06.29		T	cipór	ciporí m	2σ							✓				✓	✓		-im		
IV	2;06.29		O		ciporí m		✓									✓	✓		-im			
I	1;07.10	block	T	kubiyá	kubiyót	3σ							✓			✓		✓	-ot			
I	1;07.10		O	əyá:	bo:t		✓						✓			✓		✓	-ot			
I	1;09.19		T	kubiyá	kubiyót	3σ							✓				✓		-ot			
I	1;09.19		O		bí ot ^h		✓								X		X		-ot			
I	1;10.27		T	kubiyá	kubiyót	3σ							✓				✓		-ot			
I	1;10.27		O		hábiót		✓										✓		-ot			
III	2;03.22		T	kubiyá	kubiyót	3σ							✓				✓		-ot			
III	2;03.22		O		kubiyót		✓										✓		-ot			
III	2;04.19		T	kubiyá	kubiyót	3σ							✓				✓		-ot			
III	2;04.19		O		kubiyót		✓										✓		-ot			
IV	2;06.06		T	kubiyá	kubiyót	3σ							✓				✓		-ot			
IV	2;06.06		O		kubiyót		✓										✓		-ot			
IV	2;06.29		T	kubiyá	kubiyót	3σ							✓				✓		-ot			
IV	2;06.29		O		kubiyót		✓										✓		-ot			
IV	2;08.02		T	kubiyá	kubiyót	3σ							✓				✓		-ot			
IV	2;08.02		O		kubiyót		✓										✓		-ot			
IV	2;08.19		T	kubiyá	kubiyót	3σ							✓				✓		-ot			
IV	2;08.19		O		kubiyót		✓										✓		-ot			
III	2;02.24	book	T	séfer	sfarí m	2σ				✓						✓	✓	✓	-im			
III	2;02.24		O		sfarí m (repetition)		✓										✓	✓	-im			
IV	2;05.09		T	séfer	sfarí m	2σ				✓							✓	✓	✓	-im		
IV	2;05.09		O	séfer	sfarí m		✓			✓							✓	✓	✓	-im		
IV	2;05.26		T	séfer	sfarí m	2σ				✓							✓	✓	✓	-im		
IV	2;05.26		O		sfarí m		✓										✓	✓	✓	-im		
II	2;00.16	boot	T	magáf	magafáim	2σ							✓		✓		✓		-aim			
II	2;00.16		O		pahofaí m (repetition)		✓										X	✓	-aim			
IV	2;06.19	bottle	T	bakbúk	bakbukí m	2σ							✓			✓	✓		-im			
IV	2;06.19		O		bakbukí m		✓										✓	✓	-im			
III	2;02.04	bracelet	T	camí d	cmidí m	2σ							✓			✓	✓		-im			
III	2;02.04		O		camí d		X						✓									
IV	2;05.28		T	camí d	cmidí m	2σ							✓				✓	✓	✓	-im		
IV	2;05.28		O	camí d	camidí m		✓						✓				✓	✓	X	-im		
IV	2;05.09	branch	T	anáf	anafí m	2σ							✓			✓	✓		-im			

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	number of 6 in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix			
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim	
								Final segment		Final segment		Final segment											
								C t	a.o	V	C t	a.o	V										C t
IV	2;05.09	branch	O		anaff m		✓								✓	✓			-im				
III	2;03.28	bubble	T	buá	buót	2σ								✓			✓		✓	-ot			
III	2;03.28		O		buót		✓										✓		✓	-ot			
IV	2;05.26	bucket	T	dli	dlai m	1σ								✓			✓		✓	-im			
IV	2;05.26		O	dli	dli (repetition)		X							✓									
IV	2;06.12		T	dli	dlai m	1σ								✓			✓			✓	-im		
IV	2;06.12		O	dli	dli		X							✓									
IV	2;05.28		T	faǵán	ffani m	2σ								✓			✓	✓		✓	-im		
IV	2;05.28	bunny	O		fafani m		✓										✓	✓		X	-im		
IV	2;06.12		T	faǵán	ffani m	2σ								✓			✓	✓		✓	-im		
IV	2;06.12		O		fafani m		✓										✓	✓		X	-im		
IV	2;10.03		T	faǵán	ffani m	2σ								✓			✓	✓		✓	-im		
IV	2;10.03		O	faǵán	fafani m		✓							✓			✓	✓		X	-im		
II	2;00.29		bus	T	ótobus	otobúsím	3σ		✓								✓		✓		-im		
II	2;00.29	O			ótobusi		✓							X			X			-im			
I	1;08.27	butterfly	T	parpár	parpari m	2σ								✓			✓	✓		-im			
I	1;08.27		O		papari :m		✓										✓	✓		-im			
II	2;00.09		T	parpa	parpari m	2σ								✓			✓	✓		-im			
II	2;00.09		O		paxpár		X							✓									
III	2;01.27		T	parpár	parpari m	2σ								✓			✓	✓		-im			
III	2;01.27		O		parpari m		✓										✓	✓		-im			
III	2;03.01		T	parpár	parpari m	2σ								✓			✓	✓		-im			
III	2;03.01		O		parperi m		✓										✓	✓		-im			
IV	2;05.28	cake	T	ugá	ugót	2σ								✓			✓		✓	-ot			
IV	2;05.28		O	ugá	uguyót		✓							✓			✓		X	-ot			
IV	2;06.12		T	ugá	ugót	2σ								✓			✓		✓	-ot			
IV	2;06.12		O	ugá	ugót		✓							✓			✓		✓	-ot			
IV	2;05.28	camel	T	gamál	gmali m	2σ								✓			✓	✓		✓	-im		
IV	2;05.28		O	gamál	gamali m		✓							✓			✓	✓		X	-im		
IV	2;06.12		T	gamál	gmali m	2σ								✓			✓	✓		✓	-im		
IV	2;06.12		O	gamál	gamali m		✓							✓			✓	✓		X	-im		
IV	2;05.28	candle	T	ner	nerót	1σ								✓			✓	✓			-ot		
IV	2;05.28		O		nerót		✓										✓	✓			-ot		
I	1;11.18		T	sukaryá	sukaryót	3σ								✓			✓		✓	-ot			
I	1;11.18		O		súkayót		✓										✓		✓	-ot			
II	2;00.09		T	sukaryá	sukaryót	3σ									✓			✓		✓	-ot		
II	2;00.09		O	cuká	cukøyót (repetition)		✓								✓			✓		X	-ot		
II	2;00.16		T	sukaryá	sukaryót	3σ									✓			✓		✓	-ot		
II	2;00.16		O		cúkayót		✓										✓		✓	-ot			
II	2;00.16		O		súkayót		✓										✓		✓	-ot			

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	number of s in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.				-aim		
								Final segment		Final segment		Final segment												
								C	V	C	V	C	V											
			t	a.o	t	a.o	t	a.o	t	a.o	t	a.o												
II	2;01.12	candy	T	sukaryá	sukaryót	3σ								✓			✓			✓	-ot			
II	2;01.12		O		sakoyót		✓										✓			✓	-ot			
III	2;04.05		T	sukaryá	sukaryót	3σ								✓			✓			✓	-ot			
III	2;04.05		O	sukaryá	sũkaryót		✓							✓			✓			✓	-ot			
III	2;04.05		O		sukaryót		✓										✓			✓	-ot			
III	2;04.19		T	sukaryá	sukaryót	3σ								✓			✓			✓	-ot			
III	2;04.19		O	sukaryá	sukaryót		✓							✓			✓			✓	-ot			
IV	2;05.28		T	sukaryá	sukaryót	3σ								✓			✓			✓	-ot			
IV	2;05.28		O	sukaryá	sukaryót		✓							✓			✓			✓	-ot			
IV	2;06.06		T	sukaryá	sukaryót	3σ								✓			✓			✓	-ot			
IV	2;06.06		O		sukaryót		✓										✓			✓	-ot			
IV	2;06.12		T	sukaryá	sukaryót	3σ								✓			✓			✓	-ot			
IV	2;06.12	O	sukaryá	sukaryót		✓							✓			✓			✓	-ot				
II	2;00.29	car	T	óto	ótoim	2σ					2				2						-im			
II	2;00.29		O	óto	óto		X				✓													
IV	2;05.26		T	óto	ótoim	2σ					✓			✓							-im			
IV	2;05.26		O		óto		X				✓													
IV	2;06.12		T	óto	ótoim	2σ					✓			✓							-im			
IV	2;06.12		O	óto	áto		X				✓													
IV	2;06.12		O		óto		X				✓													
IV	2;08.19	card	T	klaf	klafi m	1σ							✓				✓	✓		-im				
IV	2;08.19		O		klafi m		✓										✓	✓		-im				
IV	2;09.28		T	klaf	klafi m	1σ							✓				✓	✓		-im				
IV	2;09.28		O		klafi m		✓										✓	✓		-im				
IV	2;05.09	carrot	T	gézer	gzari m	2σ					✓						✓	✓	✓	-im				
IV	2;05.09		O	gézer	gézer		X				✓													
IV	2;05.28		T	gézer	gzari m	2σ					✓						✓	✓	✓	-im				
IV	2;05.28		O	gézer	gézer		X				✓													
IV	2;06.12		T	gézer	gzari m	2σ					✓						✓	✓	✓	-im				
IV	2;06.12		O	gézer	gézer		X				✓													
III	2;02.18	cat	T	xatúl	xatulí m	2σ							✓				✓	✓		-im				
III	2;02.18		O	xatúl	xatulí m		✓						✓				✓	✓		-im				
III	2;03.22		T	xatúl	xatulí m	2σ							✓				✓	✓		-im				
III	2;03.22		O	xatúl	katfúlot		✓						✓								-ot			
IV	2;04.25		T	xatúl	xatulí m	2σ							✓					✓	✓		-im			
IV	2;04.25		O	xatúl	xatolí m		✓						✓					✓	✓		-im			
IV	2;05.09		T	xatúl	xatulí m	2σ							✓					✓	✓		-im			
IV	2;05.09		O	xatúl	xatulí m		✓						✓					✓	✓		-im			
IV	2;05.28		T	xatúl	xatulí m	2σ							✓					✓	✓		-im			
IV	2;05.28		O		xatulí m		✓						✓					✓	✓		-im			
IV	2;06.29		T	xatúl	xatulí m	2σ							✓					✓	✓		-im			
IV	2;06.29		O	xatúl	xatulí m		✓						✓					✓	✓		-im			

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	number of 6 in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim
								Final segment		Final segment		Final segment										
								C t	V a.o	C t	V a.o	C t	V a.o									
IV	2;08.19	cheek	T	xatúl	xatulí m	2σ							✓			✓	✓			-im		
IV	2;08.19		O		xatulí m		✓									✓	✓			-im		
II	2;00.16		T	léxi	lexayáim	2σ					✓					✓		✓	✓	✓		-aim
II	2;00.16		O		xayái:		✓									✓		✓	✓	✓		-aim
II	2;00.16		O		xayái		✓									✓		✓	✓	✓		-aim
IV	2;05.28	cheese	T	gviná	gvinót	2σ							✓			✓			✓	-ot		
IV	2;05.28		O	gviná (repetition)	gvinót		✓						✓			✓			✓	-ot		
IV	2;06.12		T	gviná	gvinót	2σ							✓			✓			✓	-ot		
IV	2;06.12		O	gviná (repetition)			X							✓								
IV	2;05.28	chewing gum	T	mástik	mástikim	2σ					✓				✓					-im		
IV	2;05.28		O	mástik	mástikim		✓				✓					✓				-im		
II	2;00.16	child	T	yéled	yeladi m	2σ					✓					✓	✓	✓		-im		
II	2;00.16		O		ya:gtí m		✓									✓	✓	✓		-im		
II	2;00.16		O		ya:tí m		✓									✓	✓	✓		-im		
II	2;00.16		O		yotí m (repetition)		✓									✓	✓	X		-im		
III	2;02.24		T	yéled	yeladi m	2σ					✓					✓	✓	✓		-im		
III	2;02.24		O	yéled	ena.adí m		✓				✓					✓	✓	✓		-im		
IV	2;05.09		T	yéled	yeladi m	2σ					✓					✓	✓	✓		-im		
IV	2;05.09		O		yeladí m		✓									✓	✓	✓		-im		
IV	2;09.17		T	yéled	yeladi m	2σ					✓					✓	✓	✓		-im		
IV	2;09.17		O		yeladí m		✓									✓	✓	✓		-im		
IV	2;10.03		T	yéled	yeladi m	2σ					✓					✓	✓	✓		-im		
IV	2;10.03		O		yeladí m		✓									✓	✓	✓		-im		
I	1;10.27	circle	T	ígul	iguli m	2σ							✓			✓	✓			-im		
I	1;10.27		O		ugai m		✓									✓	✓			-im		
II	2;00.09		T	ígul	iguli m	2σ							✓			✓	✓			-im		
II	2;00.09		O		glukulí m		✓									✓	✓			-im		
II	2;00.09		O		ʔigkuzí m		✓									✓	✓			-im		
II	2;00.09		O		ukufim		✓									✓	✓			-im		
II	2;00.09		O		kućm		✓									✓	✓			-im		
II	2;00.09		O		hikxolí m		✓									✓	✓			-im		
III	2;04.05		T	ígul	iguli m	2σ								✓			✓	✓		-im		
III	2;04.05		O		egulí m		✓									✓	✓			-im		
IV	2;08.02		T	ígul	iguli m	2σ								✓			✓	✓		-im		
IV	2;08.02		O		igulí m		✓									✓	✓			-im		
II	2;01.19		T	anán	anani m	2σ								✓			✓	✓		-im		
II	2;01.19		O	anán	anani m		✓							✓			✓	✓		-im		
III	2;03.14		T	anán	anani m	2σ								✓			✓	✓		-im		
III	2;03.14		O		anani m		✓									✓	✓			-im		

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix									
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final					Reg.	Irreg.	-aim						
								Final segment		Final segment		Final segment																	
								C t	a.o	V	C t	a.o	V	C t	a.o	V													
IV	2;05.09	cloud	T	anán	anani m	2σ										✓		✓	✓		-im								
IV	2;05.09		O		anani m		✓										✓	✓			-im								
IV	2;05.26		T	anán	anani m	2σ										✓		✓	✓		-im								
IV	2;05.26		O		anani m		✓										✓	✓			-im								
IV	2;06.12		T	anán	anani m	2σ										✓		✓	✓		-im								
IV	2;06.12		O	anán	anani m		✓										✓	✓			-im								
IV	2;09.28		T	anán	anani m	2σ										✓		✓	✓		-im								
IV	2;09.28	color	O	anán	anani m		✓									✓		✓	✓		-im								
III	2;02.24		T	céva	cvaí m	2σ						✓					✓	✓		✓	-im								
III	2;02.24		O	céva	cvaí m		✓					✓						✓	✓		✓	-im							
III	2;03.14		T	céva	cvaí m	2σ						✓						✓	✓		✓	-im							
III	2;03.14		O		cvaí m		✓										✓	✓			✓	-im							
III	2;03.28		T	céva	cvaí m	2σ						✓						✓	✓		✓	-im							
III	2;03.28		O	céva	cevaí m (repetition)		✓					✓						✓	✓		X	-im							
IV	2;05.09		T	céva	cvaí m	2σ						✓						✓	✓		✓	-im							
IV	2;05.09		O		cvaí m		✓											✓	✓		✓	-im							
IV	2;07.19		T	céva	cvaí m	2σ						✓						✓	✓		✓	-im							
IV	2;07.19		O		cvaí m		✓											✓	✓		✓	-im							
IV	2;09.28		T	céva	cvaí m	2σ						✓						✓	✓		✓	-im							
IV	2;09.28		O	céva	cevaí m		✓					✓						✓	✓		X	-im							
IV	2;05.09	cookie	T	ugiyá	ugiyót	3σ								✓				✓			✓	-ot							
IV	2;05.09		O		ugiyót		✓											✓			✓	-ot							
IV	2;08.19	corn	T	tí ras	tí rasim	2σ					✓				✓						-im								
IV	2;08.19		O		tí ras		X				✓																		
IV	2;08.19	cow	T	pará	parót	2σ								✓				✓			✓	-ot							
IV	2;08.19		O		parót		✓											✓			✓	-ot							
II	2;01.12	dishware	T	kli	keli m	1σ								✓				✓			✓	-im							
II	2;01.12		O		kali m		✓											✓			✓	-im							
III	2;02.24		T	kli	keli m	1σ								✓				✓			✓	-im							
III	2;02.24		O		kali m		✓											✓			✓	-im							
III	2;03.01		T	kli	keli m	1σ								✓				✓			✓	-im							
III	2;03.01		O		kali m		✓											✓			✓	-im							
IV	2;10.03		T	kli	keli m	1σ								✓				✓			✓	-im							
IV	2;10.03		O		kali		✓											✓			X	-im							
IV	2;05.09	dog	T	kélev	klavi m	2σ					✓							✓	✓		✓	-im							
IV	2;05.09		O	kélev	klavi m		✓				✓							✓	✓		✓	-im							
IV	2;05.09		O		kélev		X				✓																		
IV	2;05.26		T	kélev	klavi m	2σ					✓							✓	✓		✓	-im							
IV	2;05.26		O	kélev	kélev		X				✓																		
IV	2;06.12		T	kélev	klavi m	2σ					✓							✓	✓		✓	-im							
IV	2;06.12		O	kélev	kélev		X				✓																		

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	number of s in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix																		
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final							Reg.	Irreg.	-aim															
								Final segment		Final segment		Final segment																												
								C	V	C	V	C	V																											
				t	a.o	t	a.o	t	a.o	t	a.o	t	a.o																											
II	2;01.19	doll	T	bubá	bubót	2σ								✓			✓					✓	-ot																	
II	2;01.19		O		bubót		✓										✓					✓	-ot																	
III	2;03.01		T	bubá	bubót	2σ								✓			✓					✓	-ot																	
III	2;03.01		O	bubá	bubót		✓							✓			✓					✓	-ot																	
III	2;03.22		T	bubá	bubót	2σ								✓			✓					✓	-ot																	
III	2;03.22		O		bubót		✓										✓					✓	-ot																	
III	2;04.05		T	bubá	bubót	2σ								✓			✓					✓	-ot																	
III	2;04.05		O		bubót		✓										✓					✓	-ot																	
III	2;04.12		T	bubá	bubót	2σ								✓			✓					✓	-ot																	
III	2;04.12		O	bubá	bubót		✓							✓			✓					✓	-ot																	
IV	2;04.25		T	bubá	bubót	2σ								✓			✓					✓	-ot																	
IV	2;04.25		O		bubót		✓										✓					✓	-ot																	
IV	2;08.19		T	bubá	bubót	2σ								✓			✓					✓	-ot																	
IV	2;08.19		O		bubót (repetition)		✓										✓					✓	-ot																	
IV	2;09.28	dot	T	nekudá	nekudót	3σ								✓			✓					✓	-ot																	
IV	2;09.28		O		nekudót		✓										✓					✓	-ot																	
IV	2;05.26	dress	T	simlá	smalót	2σ								✓			✓					✓	-ot																	
IV	2;05.26		O	simlá	simlót		✓							✓			✓					X	-ot																	
IV	2;06.29	drinking glass	T	kos	kosót	1σ							✓				✓	✓					-ot																	
IV	2;06.29		O		kosót		✓										✓	✓					-ot																	
IV	2;08.19		T	kos	kosót	1σ							✓				✓	✓					-ot																	
IV	2;08.19		O		kosót		✓										✓	✓					-ot																	
I	1;10.00	drop	T	tipá	tipót	2σ								✓			✓					✓	-ot																	
I	1;10.00		O		tipót (repetition)		✓										✓					✓	-ot																	
IV	2;06.12		T	tipá	tipót	2σ								✓			✓					✓	-ot																	
IV	2;06.12		O		tipót		✓										✓					✓	-ot																	
IV	2;10.03		T	tipá	tipót	2σ								✓			✓					✓	-ot																	
IV	2;10.03		O		tipót		✓										✓					✓	-ot																	
IV	2;9.06		T	tipá	tipót	2σ								✓			✓					✓	-ot																	
IV	2;9.06		O		tipót		✓										✓					✓	-ot																	
IV	2;06.29	duck	T	barváz	barvazi' m	2σ							✓				✓	✓					-im																	
IV	2;06.29		O		barvazi' m (repetition)		✓										✓	✓					-im																	
IV	2;05.26	dwarf	T	gamád	gamadi' m	2σ							✓				✓	✓					-im																	
IV	2;05.26		O	gamád	gamád		X						✓																											
IV	2;06.12		T	gamád	gamadi' m	2σ							✓				✓	✓					-im																	
IV	2;06.12		O	gamál									✓																											
IV	2;06.12		O	gamád (repetition)	gamadót		✓						✓				✓	✓					-ot																	
IV	2;09.17		T	gamád	gamadi' m	2σ							✓				✓	✓					-im																	
IV	2;09.17		O		gámadim		✓							X				X					-im																	

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	number of s in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix									
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final					Reg.	Irreg.	-aim						
								Final segment		Final segment		Final segment																	
								C t	a.o	V	C t	a.o	V	C t	a.o	V													
IV	2;09.17		O		gamad' m		✓									✓	✓				-im								
IV	2;9.06		T	gamád	gamadi' m	2σ							✓			✓	✓				-im								
IV	2;9.06		O		gamad' m		✓									✓	✓				-im								
I	1;10.27		T	ózen	oznáim	2σ				✓					✓		✓		✓				-aim						
I	1;10.27		O		ózen		X			✓																			
II	2;01.12		T	ózen	oznáim	2σ				✓					✓		✓		✓				-aim						
II	2;01.12		O		odzáim		✓								✓		✓		✓				-aim						
II	2;01.12		O		ozláim		✓								✓		✓		✓				-aim						
IV	2;06.19		T	ózen	oznáim	2σ				✓					✓		✓		✓				-aim						
IV	2;06.19		O		oznáim		✓								✓		✓						-aim						
IV	2;08.02		T	ózen	oznáim	2σ				✓					✓		✓		✓				-aim						
IV	2;08.02		O		oznáim		✓								✓		✓		✓				-aim						
IV	2;08.19		T	ózen	oznáim	2σ				✓					✓		✓		✓				-aim						
IV	2;08.19		O		oznáim		✓								✓		✓		✓				-aim						
IV	2;09.28		T	ózen	oznáim	2σ				✓					✓		✓		✓				-aim						
IV	2;09.28		O		oznáim		✓								✓		✓		✓				-aim						
I	1;10.00		T	áin	eináim	2σ				✓					✓		✓	✓					-aim						
I	1;10.00		O		e.áa.θi		✓								✓		✓	✓					-aim						
I	1;10.00		O		en' m		✓								✓		✓	✓			-im								
I	1;10.27		T	áin	eináim	2σ				✓					✓		✓	✓					-aim						
I	1;10.27		O		anáim		✓								✓		✓	X					-aim						
I	1;10.27		O		aynáim		✓								✓		✓	X					-aim						
I	1;11.25		T	áin	eináim	2σ				✓					✓		✓	✓					-aim						
I	1;11.25		O		enai'm		✓									X	✓	✓					-aim						
II	2;00.09		T	áin	eináim	2σ				✓					✓		✓	✓					-aim						
II	2;00.09		O		enáim		✓								✓		✓	✓					-aim						
II	2;00.16		T	áin	eináim	2σ				✓					✓		✓	✓					-aim						
II	2;00.16		O		eináim		✓								✓		✓	✓					-aim						
II	2;01.06		T	áin	eináim	2σ				✓					✓		✓	✓					-aim						
II	2;01.06		O		enái		✓								✓		✓	✓					-aim						
II	2;01.12		T	áin	eináim	2σ				✓					✓		✓	✓					-aim						
II	2;01.12		O		enáim		✓								✓		✓	✓					-aim						
III	2;02.04		T	áin	eináim	2σ				✓					✓		✓	✓					-aim						
III	2;02.04		O		eináim		✓								✓		✓	✓					-aim						
III	2;03.01		T	áin	eináim	2σ				✓					✓		✓	✓					-aim						
III	2;03.01		O		eináim		✓								✓		✓	✓					-aim						
III	2;03.14		T	áin	eináim	2σ				✓					✓		✓	✓					-aim						
III	2;03.14		O		eináim		✓								✓		✓	✓					-aim						
III	2;03.28		T	áin	eináim	2σ				✓					✓		✓	✓					-aim						
III	2;03.28		O		eináim		✓								✓		✓	✓					-aim						
III	2;04.12		T	áin	eináim	2σ				✓					✓		✓	✓					-aim						
III	2;04.12		O	áin	eynáim		✓			✓					✓		✓	✓					-aim						

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix																
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final					Reg.	Irreg.	-aim													
								Final segment		Final segment		Final segment																								
								C	V	C	V	C	V																							
				t	a.o	t	a.o	t	a.o	t	a.o	t	a.o																							
IV	2;04.25		T	áin	eináim	2σ				✓					✓		✓	✓					-aim													
IV	2;04.25		O	áin	áin		X			✓																										
IV	2;05.09		T	áin	eináim	2σ				✓					✓		✓	✓					-aim													
IV	2;05.09		O		einót		✓									X	X	✓		-ot																
IV	2;05.26		T	áin	eináim	2σ				✓					✓		✓	✓					-aim													
IV	2;05.26		O	áin	eynáim		✓			✓					✓		✓	✓					-aim													
IV	2;06.12		T	áin	eináim	2σ				✓					✓		✓	✓					-aim													
IV	2;06.12		O	áin	eináim		✓			✓					✓		✓	✓					-aim													
IV	2;06.19		T	áin	eináim	2σ				✓					✓		✓	✓					-aim													
IV	2;06.19		O		eináim		✓								✓		✓	✓					-aim													
IV	2;08.02		T	áin	eináim	2σ				✓					✓		✓	✓					-aim													
IV	2;08.02		O		eináim		✓								✓		✓	✓					-aim													
IV	2;08.19		T	áin	eináim	2σ				✓					✓		✓	✓					-aim													
IV	2;08.19		O		eináim		✓								✓		✓	✓					-aim													
IV	2;08.19		T	áin	eináim	2σ				✓					✓		✓	✓					-aim													
IV	2;08.19		O		eináim		✓								✓		✓	✓					-aim													
IV	2;09.17	feather	T	nocá	nocót	2σ							✓			✓			✓	-ot																
IV	2;09.17		O		nosót		✓									✓			✓	-ot																
III	2;02.24		T	dag	dagí m	1σ						✓				✓	✓			-im																
III	2;02.24		O		dagí m		✓					✓				✓	✓			-im																
III	2;03.01		T	dag	dagí m	1σ						✓				✓	✓			-im																
III	2;03.01		O		dagí m		✓									✓	✓			-im																
IV	2;05.28	fish	T	dag	dagí m	1σ						✓				✓	✓			-im																
IV	2;05.28		O	dag	dagí m		✓					✓				✓	✓			-im																
IV	2;06.12		T	dag	dagí m	1σ						✓				✓	✓			-im																
IV	2;06.12		O	dag	dagí m		✓					✓				✓	✓			-im																
IV	2;08.19		T	dag	dagí m	1σ						✓				✓	✓			-im																
IV	2;08.19		O		dagí m		✓									✓	✓			-im																
I	1;07.10		T	péax	praxí m	2σ				✓						✓	✓		✓	-im																
I	1;07.10		O		paxá		X						X																							
III	2;02.18		T	péax	praxí m	2σ				✓						✓	✓		✓	-im																
III	2;02.18		O	péax	péax		X			✓																										
III	2;03.14		T	péax	praxí m	2σ				✓						✓	✓		✓	-im																
III	2;03.14		O		prexí m		✓									✓	✓		✓	-im																
IV	2;05.09		T	péax	praxí m	2σ				✓						✓	✓		✓	-im																
IV	2;05.09		O		praxí m		✓									✓	✓		✓	-im																
IV	2;08.02	flower	T	péax	praxí m	2σ				✓						✓	✓		✓	-im																
IV	2;08.02		O		praxí m		✓									✓	✓		✓	-im																
IV	2;08.19		T	péax	praxí m	2σ				✓						✓	✓		✓	-im																
IV	2;08.19		O		praxí m		✓									✓	✓		✓	-im																
IV	2;08.19		T	péax	praxí m	2σ				✓						✓	✓		✓	-im																
IV	2;08.19		O		praxí m		✓									✓	✓		✓	-im																

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	number of s in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix			
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim	
								Final segment		Final segment		Final segment											
								C	V	C	V	C	V										
								t	a.o	t	a.o	t	a.o										
IV	2;10.03	foot	T	pérax	praxi m	2σ					✓				✓	✓	✓	✓	-im				
IV	2;10.03		O		praxi :m		✓									✓	✓	✓	✓	-im			
IV	2;10.03		O		praxi' m		✓									✓	✓		✓	-im			
IV	2;10.03		T	pérax	praxi m	2σ					✓					✓	✓	✓	✓	-im			
IV	2;10.03		O		praxi' m		✓										✓	✓		✓	-im		
I	1;10.00		T	régel	ragláim	2σ					✓					✓		✓	✓	✓			-aim
I	1;10.00		O		hayáim		✓									✓		✓	✓	✓			-aim
I	1;10.27		T	régel	ragláim	2σ					✓					✓		✓	✓	✓			-aim
I	1;10.27		O		agáim		✓									✓		✓	✓	✓			-aim
I	1;11.18		T	régel	ragláim	2σ					✓					✓		✓	✓	✓			-aim
I	1;11.18		O		gláim		✓									✓		✓	✓	✓			-aim
I	2;00.02		T	régel	ragláim	2σ					✓					✓		✓	✓	✓			-aim
I	2;00.02		O		maxgláim		✓									✓		✓	✓	✓			-aim
II	2;00.16		T	régel	ragláim	2σ					✓					✓		✓	✓	✓			-aim
II	2;00.16		O		tixláim		✓									✓		✓	X	✓			-aim
II	2;01.06		T	régel	ragláim	2σ					✓					✓		✓	✓	✓			-aim
II	2;01.06		O		régel		X				✓												
II	2;01.06		O		akáim		✓									✓		✓	✓	✓			-aim
III	2;02.24		T	régel	ragláim	2σ					✓					✓		✓	✓	✓			-aim
III	2;02.24		O		hagláim		✓									✓		✓	✓	✓			-aim
III	2;03.14	T	régel	ragláim	2σ					✓					✓		✓	✓	✓			-aim	
III	2;03.14	O		ra:gláim		✓									✓		✓	✓	✓			-aim	
III	2;03.22	T	régel	ragláim	2σ					✓					✓		✓	✓	✓			-aim	
III	2;03.22	O		agaláim		✓									✓		✓	✓	X			-aim	
IV	2;05.09	T	régel	ragláim	2σ					✓					✓		✓	✓	✓			-aim	
IV	2;05.09	O		ragzgláim		✓									✓		✓	✓	✓			-aim	
IV	2;05.26	T	régel	ragláim	2σ					✓					✓		✓	✓	✓			-aim	
IV	2;05.26	O		ragláim		✓									✓		✓	✓	✓			-aim	
IV	2;07.19	T	régel	ragláim	2σ					✓					✓		✓	✓	✓			-aim	
IV	2;07.19	O		ragláim (repetition)		✓									✓		✓	✓	✓			-aim	
IV	2;08.02	T	régel	ragláim	2σ					✓					✓		✓	✓	✓			-aim	
IV	2;08.02	O		régel		X				✓													
IV	2;08.02	O		gagláim		✓									✓		✓	✓	✓			-aim	
IV	2;08.02	T	régel	ragláim	2σ					✓					✓		✓	✓	✓			-aim	
IV	2;08.02	O		ragláim		✓									✓		✓	✓	✓			-aim	
IV	2;09.28	T	régel	ragláim	2σ					✓					✓		✓	✓	✓			-aim	
IV	2;09.28	O		ragláim		✓									✓		✓	✓	✓			-aim	
IV	2;05.26	fox	T	fuál	fuali m	2σ						✓				✓	✓			-im			
IV	2;05.26		O	fuál	fuál		X						✓										
IV	2;06.12		T	fuál	fuali m	2σ							✓				✓	✓			-im		
IV	2;06.12		O	fuál (repetition)	fualót		✓						✓				✓	✓				-ot	

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.				-aim		
								Final segment		Final segment		Final segment												
								C	V	C	V	C	V											
			t	a.o	t	a.o	t	a.o	t	a.o														
IV	2;10.03	freckle	T	némef	nemaɸ m	2σ				✓					✓	✓	✓		-im					
IV	2;10.03		O		dayɸ m		✓								✓	✓	✓		-im					
IV	2;04.25	friend	T	xavér	xaverɪ m	2σ					✓				✓	✓		-im						
IV	2;04.25		O		xaverɪ m		✓								✓	✓		-im						
IV	2;08.19		T	xavér	xaverɪ m	2σ					✓				✓	✓		-im						
IV	2;08.19		O		xaverɪ m		✓								✓	✓		-im						
IV	2;9.06		T	xavér	xaverɪ m	2σ					✓				✓	✓		-im						
IV	2;9.06		O		xaverɪ m		✓								✓	✓		-im						
II	2;01.06	fruit	T	pri	perót	1σ						✓			✓		✓	-ot						
II	2;01.06		O		pexót		✓								✓		✓	-ot						
II	2;01.06		O		perót (repetition)		✓								✓		✓	-ot						
II	2;01.06		O		parót		✓								✓		✓	-ot						
II	2;01.19		T	pri	perót	1σ						✓			✓		✓	-ot						
II	2;01.19		O		perót (repetition)		✓								✓		✓	-ot						
IV	2;05.28	game	T	mixák	mixaki m	2σ					✓				✓	✓		-im						
IV	2;05.28		O		masxakɪ m		✓								✓	✓		-im						
IV	2;08.19		T	mixák	mixaki m	2σ					✓				✓	✓		-im						
IV	2;08.19		O	mixák	mitxakɪ m		✓				✓				✓	✓		-im						
IV	2;09.17		T	mixák	mixaki m	2σ					✓				✓	✓		-im						
IV	2;09.17		O	mixák	mixakɪ m		✓				✓				✓	✓		-im						
IV	2;05.26	gate	T	fáar	fearɪ m	2σ				✓					✓	✓	✓	-im						
IV	2;05.26		O	fa: (repetition)	fáar		X			✓			X											
IV	2;06.12		T	fáar	fearɪ m	2σ				✓					✓	✓	✓	-im						
IV	2;06.12		O		fára		X			✓														
IV	2;06.12		O		fá.ar		X			✓														
III	2;04.05	giraffe	T	dʒiráfá	dʒiráfot	3σ					✓				✓		✓	-ot						
III	2;04.05		O	dʒiráfá	ʒiráfot		✓				✓				✓		✓	-ot						
III	2;03.01	girl	T	yaldá	yeladót	2σ							✓		✓		✓	✓	-ot					
III	2;03.01		O	yaldá	yaldót		✓						✓		✓		X	X	-ot					
IV	2;05.26	glass	T	zxuxɪ́t	zxuxiót	2σ						✓			✓	✓		✓	-ot					
IV	2;05.26		O	túsit			X					✓												
IV	2;06.12		T	zxuxɪ́t	zxuxiót	2σ							✓			✓	✓		✓	-ot				
IV	2;06.12		O		suxɪ́m		✓									✓	✓		✓	-im				
III	2;01.27	glitter	T	nácnac	nácnacim	2σ				✓				✓				-im						
III	2;01.27		O		dacací :		✓									X	X		-im					
III	2;01.27		O		nacací :		✓									X	X		-im					
III	2;01.27		O		ácacim (repetition)		✓								✓				-im					
IV	2;07.19		T	nácnac	nácnacim	2σ				✓				✓					-im					
IV	2;07.19		O		nácnasim		✓							✓					-im					

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix			
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim	
								Final segment		Final segment		Final segment											
								C	V	C	V	C	V										
			t	a.o	t	a.o	t	a.o	t	a.o	t	a.o											
IV	2;09.17		T	nácnac	nácnacim	2σ					✓			✓						-im			
IV	2;09.17		O		nátnasim		✓							✓						-im			
IV	2;05.28		T	ɛʃkoliˈt	ɛʃkoliót	3σ						✓				✓	✓		✓	-ot			
IV	2;05.28		O	koliˈt (repetition)	ko:lɪˈt		X					✓											
IV	2;06.12		T	ɛʃkoliˈt	ɛʃkoliót	3σ						✓					✓	✓		✓	-ot		
IV	2;06.12		O	koliˈt (repetition)			X					✓											
IV	2;06.12		O	eskoliˈt (repetition)			X					✓											
I	1;10.27		T	seará	searót	3σ							✓				✓			✓	-ot		
I	1;10.27		O		ʃeót		✓										✓			✓	-ot		
II	2;01.12		T	seará	searót	3σ								✓				✓		✓	-ot		
II	2;01.12		O		saarót		✓										✓			✓	-ot		
IV	2;05.26		T	hámburger	hámburgerim	3σ		✓						✓							-im		
IV	2;05.26		O	ʔáguker (repetition)	agúber		X	✓		X													
IV	2;06.12		T	hámburger	hámburgerim	3σ		✓						✓							-im		
IV	2;06.12		O		hábunker		X	✓															
II	2;00.16		T	yad	yadáim	1σ							✓				✓		✓				-aim
II	2;00.16		O		iðáim		✓										✓		✓				-aim
III	2;02.24		T	yad	yadáim	1σ							✓				✓		✓				-aim
III	2;02.24		O		yadáim		✓										✓		✓				-aim
III	2;03.14		T	yad	yadáim	1σ							✓				✓		✓				-aim
III	2;03.14		O		yadáim		✓										✓		✓				-aim
III	2;04.05		T	yad	yadáim	1σ							✓				✓		✓				-aim
III	2;04.05		O		yadáim		✓										✓		✓				-aim
III	2;04.12		T	yad	yadáim	1σ							✓				✓		✓				-aim
III	2;04.12		O		daydáim		✓										✓		✓				-aim
III	2;04.12		O		yadáim		✓										✓		✓				-aim
IV	2;06.06		T	yad	yadáim	1σ							✓				✓		✓				-aim
IV	2;06.06		O		dáim		✓										✓		✓				-aim
IV	2;06.29		T	yad	yadáim	1σ							✓				✓		✓				-aim
IV	2;06.29		O		yadáim		✓										✓		✓				-aim
IV	2;08.02		T	yad	yadáim	1σ							✓				✓		✓				-aim
IV	2;08.02		O		yadáim (repetition)		✓										✓		✓				-aim
IV	2;08.02		O		yadáim		✓										✓		✓				-aim
IV	2;08.19		T	yad	yadáim	1σ							✓				✓		✓				-aim
IV	2;08.19		O		yadáim		✓										✓		✓				-aim
IV	2;08.19		T	yad	yadáim	1σ							✓				✓		✓				-aim
IV	2;08.19		O		yadáim		✓										✓		✓				-aim
IV	2;09.17		T	yad	yadáim	1σ							✓				✓		✓				-aim

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	number of s in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim
								Final segment		Final segment		Final segment										
								C t	a.o	V	C t	a.o	V									
IV	2;09.17		O		yadáim		✓							✓		✓						-aim
III	2;03.22	hat	T	kóva	kovaí m	2σ					✓				✓	✓				-im		
III	2;03.22		O	kóva	koyí m		✓				✓					✓	✓			-im		
II	2;00.26	house	T	báit	bati' m	2σ				✓					✓	✓		✓	-im			
II	2;00.26		O		baiti?		✓									✓	✓		X	-im		
II	2;01.12		T	báit	bati' m	2σ				✓						✓	✓		✓	-im		
II	2;01.12		O	báit	báit		X			✓												
IV	2;06.12		T	báit	bati' m	2σ				✓						✓	✓		✓	-im		
IV	2;06.12		O		báit		X			✓												
IV	2;05.26	ice cream	T	glí da	glí dot	2σ					✓				✓			✓	-ot			
IV	2;05.26		O	glí da	glí da		X				✓											
IV	2;05.28		T	glí da	glí dot	2σ					✓				✓				✓	-ot		
IV	2;05.28		O	glí da	glí da		X				✓											
IV	2;06.12		T	glí da	glí dot	2σ					✓				✓				✓	-ot		
IV	2;06.12		O	glidá	glí dot		✓				✓				✓				✓	-ot		
IV	2;08.19		T	glí da	glí dot	2σ					✓				✓				✓	-ot		
IV	2;08.19		O		glí dot		✓								✓				✓	-ot		
IV	2;10.03		T	glí da	glí dot	2σ					✓				✓				✓	-ot		
IV	2;10.03		O		glí da		X				✓											
III	2;02.24	key	T	maftéax	maftexót	3σ					✓					✓	✓		✓	-ot		
III	2;02.24		O		pafatxót		✓									✓	✓		X	-ot		
IV	2;05.28		T	maftéax	maftexót	3σ					✓					✓	✓		✓	-ot		
IV	2;05.28		O	maftéyax	maftexót		✓				✓					✓	✓		✓	-ot		
IV	2;06.12		T	maftéax	maftexót	3σ					✓					✓	✓		✓	-ot		
IV	2;06.12		O	maftéyax	maftéax		X				✓											
IV	2;06.12		O		maftexí m		✓									✓	✓		✓	-im		
IV	2;10.03	kinder garden teacher	T	ganénet	gananót	3σ				✓						✓	✓	✓	✓	-ot		
IV	2;10.03		O		gananót		✓									✓	✓	✓	✓	-ot		
IV	2;05.28	lamp	T	menorá	menorót	3σ							✓			✓			✓	-ot		
IV	2;05.28		O	menorá (repetition)	menorót		✓						✓			✓			✓	-ot		
IV	2;06.12		T	menorá	menorót	3σ							✓			✓			✓	-ot		
IV	2;06.12		O	menorá (repetition)	manorót		✓						✓			✓			✓	-ot		
IV	2;05.15	light	T	or	orót	1σ							✓			✓	✓			-ot		
IV	2;05.15		O	or	orót		✓						✓			✓	✓			-ot		
IV	2;06.06		T	or	orót	1σ							✓			✓	✓			-ot		
IV	2;06.06		O		orót		✓									✓	✓			-ot		
IV	2;08.19	line	T	kav	kaví m	1σ							✓			✓	✓			-im		
IV	2;08.19		O	kav	kaví m		✓						✓			✓	✓			-im		

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim
								Final segment		Final segment		Final segment										
								C	V	C	V	C	V									
			t	a.o	t	a.o	t	a.o	t	a.o												
II	2;01.19	lion	T	aryé	arayót	2σ							✓			✓			✓		-ot	
II	2;01.19		O	aryé	axayót		✓						✓			✓			✓		-ot	
II	2;01.19		O		arayót (repetition)		✓									✓			✓		-ot	
IV	2;05.09		T	aryé	arayót	2σ							✓			✓			✓		-ot	
IV	2;05.09		O	aryé	aryé		X						✓									
IV	2;05.28		T	aryé	arayót	2σ							✓			✓			✓		-ot	
IV	2;05.28		O	aryé	aryé		X						✓									
IV	2;06.12		T	aryé	arayót	2σ							✓			✓			✓		-ot	
IV	2;06.12		O	arayé	arayót		✓						✓			✓			✓		-ot	
IV	2;10.03		T	aryé	arayót	2σ							✓			✓			✓		-ot	
IV	2;10.03		O	aryé	aryé		X						✓									
IV	2;10.03		O		arayí m		✓									✓			✓	-im		
III	2;02.11	mouse	T	axbár	axbarí m	2σ							✓			✓	✓			-im		
III	2;02.11		O	axbár	àxbarí m		✓									✓	✓			-im		
III	2;03.14		T	axbár	axbarí m	2σ							✓			✓	✓			-im		
III	2;03.14		O		axmarí m		✓									✓	✓			-im		
IV	2;05.09		T	axbár	axbarí m	2σ							✓			✓	✓			-im		
IV	2;05.09		O		axberí m		✓									✓	✓			-im		
IV	2;05.26		T	axbár	axbarí m	2σ							✓			✓	✓			-im		
IV	2;05.26		O		axbarí m		✓									✓	✓			-im		
IV	2;05.28		T	axbár	axbarí m	2σ							✓			✓	✓			-im		
IV	2;05.28		O	axbár (repetition)	axbarí m		✓						✓			✓	✓			-im		
IV	2;06.12		T	axbár	axbarí m	2σ							✓			✓	✓			-im		
IV	2;06.12		O	axbár (repetition)	axbarí m		✓						✓			✓	✓			-im		
IV	2;10.03		T	axbár	axbarí m	2σ							✓			✓	✓			-im		
IV	2;10.03		O		axbarí m		✓									✓	✓			-im		
IV	2;05.26		mouth	T	pe	piót	1σ							✓			✓	✓	✓		-ot	
IV	2;05.26			O	pe	pe		X						✓								
IV	2;06.12			T	pe	piót	1σ							✓			✓	✓	✓		-ot	
IV	2;06.12			O	pe	pe		X						✓								
IV	2;09.28	necklace	T	farféret	farjeraót	3σ			✓							✓	✓		✓	-ot		
IV	2;09.28		O	féret	fítim		✓		✓							✓	✓		X	-im		
IV	2;09.28		O	farféret (repetition)	fútim		✓		✓						X		X		X	-im		
IV	2;09.28		O		faxserót		✓									✓	✓		X	-ot		
IV	2;04.25	number	T	mispár	misparí m	2σ							✓			✓	✓			-im		
IV	2;04.25		O		saparí m (repetition)		✓									✓	✓			-im		
III	2;02.18		T	ciyúr	ciyuri m	2σ							✓			✓	✓			-im		

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	number of 6 in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix			
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim	
								Final segment		Final segment		Final segment											
								C t	a.o	C t	a.o	C t	a.o										
III	2;02.18	painting	O		siyurí m (repetition)		✓							✓	✓			-im					
IV	2;06.06		T	ciyúr	ciyurí m	2σ							✓		✓	✓			-im				
IV	2;06.06		O	ciyúr	ciyurí m		✓						✓		✓	✓			-im				
I	1;10.00	pants	T	mixnás	mixnasáim	2σ							✓		✓	✓					-aim		
I	1;10.00		O		a"táim		✓								✓	✓					-aim		
I	2;00.02		T	mixnás	mixnasáim	2σ							✓		✓	✓					-aim		
I	2;00.02		O		maze:sáim		✓								✓	✓					-aim		
II	2;00.16		T	mixnás	mixnasáim	2σ							✓		✓	✓					-aim		
II	2;00.16		O		xisáim		✓								✓	✓					-aim		
IV	2;06.06		T	mixnás	mixnasáim	2σ							✓		✓	✓					-aim		
IV	2;06.06		O		mixnasáim		✓								✓	✓					-aim		
IV	2;08.19		T	mixnás	mixnasáim	2σ							✓		✓	✓					-aim		
IV	2;08.19		O		mixnasáim		✓								✓	✓					-aim		
IV	2;09.17		T	mixnás	mixnasáim	2σ							✓		✓	✓					-aim		
IV	2;09.17		O		mixnasáim		✓								✓	✓					-aim		
III	2;03.01	part	T	xélek	xalaki m	2σ				✓					✓	✓	✓		-im				
III	2;03.01		O		xalakí m (repetition)		✓									✓	✓	✓		-im			
IV	2;05.26		T	xélek	xalaki m	2σ				✓						✓	✓	✓		-im			
IV	2;05.26		O	xélek	xalakí m		✓			✓						✓	✓	✓		-im			
IV	2;08.19		T	xélek	xalaki m	2σ				✓						✓	✓	✓		-im			
IV	2;08.19		O	xélek	xalakí m		✓			✓						✓	✓	✓		-im			
IV	2;09.17		T	xélek	xalaki m	2σ				✓						✓	✓	✓		-im			
IV	2;09.17		O	xélek	xalakí m		✓			✓						✓	✓	✓		-im			
IV	2;9.06		T	xélek	xalaki m	2σ				✓						✓	✓	✓		-im			
IV	2;9.06		O	xélek	xalakí m		✓			✓						✓	✓	✓		-im			
IV	2;05.28	pepper	T	pí lpel	pí lpelim	2σ				✓				✓		✓			-im				
IV	2;05.28		O	pí lpel (repetition)	pí lpel		X			✓													
IV	2;06.12		T	pí lpel	pí lpelim	2σ				✓				✓						-im			
IV	2;06.12		O		pí lpel		X			✓													
III	2;03.01	person	T	ifj	anaʃi m	1σ							✓			✓	✓	✓	✓	-im			
III	2;03.01		O	ifj	anaʃi m		✓									✓	✓	✓	✓	-im			
IV	2;05.26		T	ifj	anaʃi m	1σ								✓			✓	✓	✓	✓	-im		
IV	2;05.26		O	ifj	ifj		X							✓									
IV	2;06.12		T	ifj	anaʃi m	1σ								✓			✓	✓	✓	✓	-im		
IV	2;06.12		O		anasí m (repetition)		✓							✓			✓	✓	✓	✓	-im		
IV	2;10.03		T	ifj	anaʃi m	1σ								✓			✓	✓	✓	✓	-im		
IV	2;10.03		O		ifj m		✓										✓	✓	X	X	-im		
IV	2;05.28		T	psantér	psanteri m	2σ							✓			✓	✓			-im			
IV	2;05.28		O	psarətén	psartení m		✓							✓			✓	✓			-im		

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim
								Final segment		Final segment		Final segment										
								C t	a.o	V	C t	a.o	V									
IV	2;06.12	piano	T	psantér	psanteri m	2σ								✓		✓			-im			
IV	2;06.12		O	pastér (repetition)	psant ^h ér		X							✓								
I	1;11.18	picture	T	tmuná	tmunót	2σ								✓		✓		✓	-ot			
I	1;11.18		O		tumót		✓									✓			✓	-ot		
II	2;00.16		T	tmuná	tmunót	2σ								✓		✓			✓	-ot		
II	2;00.16		O		pudnót		✓									✓			✓	-ot		
II	2;00.16		O		θmnót		✓									✓			✓	-ot		
II	2;00.29		T	tmuná	tmunót	2σ								✓		✓			✓	-ot		
II	2;00.29		O		tunlót		✓									✓			✓	-ot		
III	2;03.22		T	tmuná	tmunót	2σ								✓		✓			✓	-ot		
III	2;03.22		O	tmuná	tmunót		✓							✓		✓			✓	-ot		
IV	2;05.26		T	tmuná	tmunót	2σ								✓		✓			✓	-ot		
IV	2;05.26		O		tmunót		✓									✓			✓	-ot		
IV	2;05.28		T	tmuná	tmunót	2σ								✓		✓			✓	-ot		
IV	2;05.28		O		tmunót		✓									✓			✓	-ot		
IV	2;06.29		T	tmuná	tmunót	2σ								✓		✓			✓	-ot		
IV	2;06.29		O	tmuná	tmunót		✓							✓		✓			✓	-ot		
IV	2;08.02		T	tmuná	tmunót	2σ								✓		✓			✓	-ot		
IV	2;08.02		O		tmu:nót (repetition)		✓									✓			✓	-ot		
IV	2;05.26	piece	T	xatixá	xatixót	3σ								✓		✓			✓	-ot		
IV	2;05.26		O		xatixót		✓									✓			✓	-ot		
I	1;10.00	pin	T	siká	sikót	2σ								✓		✓			✓	-ot		
I	1;10.00		O		θitót		✓									✓			✓	-ot		
I	1;10.00		O		tót		✓									✓			✓	-ot		
III	2;03.22		T	siká	sikót	2σ								✓		✓			✓	-ot		
III	2;03.22		O		sikót		✓									✓			✓	-ot		
IV	2;09.28		T	siká	sikót	2σ								✓		✓			✓	-ot		
IV	2;09.28		O	kiká	tikót		✓							✓		✓			✓	-ot		
IV	2;09.28		O		sikót		✓									✓			✓	-ot		
IV	2;05.28	plastic bag	T	sakí t	sakiót	2σ							✓			✓	✓		✓	-ot		
IV	2;05.28		O	sakí t (repetition)	sakiót		✓							✓		✓	✓		✓	-ot		
IV	2;06.12		T	sakí t	sakiót	2σ								✓		✓	✓		✓	-ot		
IV	2;06.12		O	sakí t (repetition)	sakiót		✓							✓		✓	✓		✓	-ot		
III	2;03.01	ponytail holder	T	kukiyá	kukiyót	3σ								✓		✓			✓	-ot		
III	2;03.01		O		sukoyót		✓									✓			✓	-ot		
III	2;03.01		O		kukayót		✓									✓			✓	-ot		
III	2;03.01		O		kukiyót		✓									✓			✓	-ot		
III	2;04.12		T	kukiyá	kukiyót	3σ								✓		✓			✓	-ot		
III	2;04.12		O		kokiyót		✓									✓			✓	-ot		

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix				
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim		
								Final segment		Final segment		Final segment												
								C t	a.o	V	C t	a.o	V										C t	a.o
IV	2;05.09	popsicle	T	flúk	flúkim	1σ								✓		✓				-im				
IV	2;05.09		O		flúkim		✓									✓				-im				
IV	2;9.06	present	T	mataná	matanót	3σ								✓			✓			✓	-ot			
IV	2;9.06		O		matanót		✓										✓			✓	-ot			
IV	2;9.13	puzzle	T	pázel	pázelim	2σ					✓				✓						-im			
IV	2;9.13		O		pázelim		✓								✓						-im			
IV	2;06.12	rabbit	T	ʔarnáv	ʔarnavót / ʔarnavi m	2σ								✓			✓	✓			-im /- ot			
IV	2;06.12		O	ʔarnáv	ʔarnavót		✓								✓		✓	✓			-ot			
III	2;04.12	ring	T	tabáat	tabaót	3σ					✓						✓	✓		✓	-ot			
III	2;04.12		O		tabaót (repetition)		✓										✓	✓		✓	-ot			
IV	2;05.26	road	T	kvíj	kvíji m	1σ								✓			✓	✓			-im			
IV	2;05.26		O		kvíj		X							✓										
IV	2;06.12		T	kvíj	kvíji m	1σ									✓			✓	✓			-im		
IV	2;06.12		O	kvíj (repetition)	kvíj		X								✓									
II	2;01.12	rubber band	T	gumiyá	gumiyót	3σ								✓			✓			✓	-ot			
II	2;01.12		O		ugiyí m		✓										✓			X		-im		
III	2;02.04		T	gumiyá	gumiyót	3σ									✓			✓		✓	-ot			
III	2;02.04		O		gumiyót		✓											✓		✓	-ot			
III	2;03.22		T	gumiyá	gumiyót	3σ									✓			✓		✓	-ot			
III	2;03.22		O	gumiyá	gumiyót		✓								✓			✓		✓	-ot			
IV	2;08.02		T	gumiyá	gumiyót	3σ									✓			✓		✓	-ot			
IV	2;08.02		O		gumiyót (repetition)		✓											✓		✓	-ot			
IV	2;05.26	scooter	T	kórkinet	kórkinetim / korkinétim	3σ		✓							✓	✓		✓			-im			
IV	2;05.26		O	kórkinet (repetition)	kórkinet		X	✓																
IV	2;06.12		T	kórkinet	kórkinetim / korkinétim	3σ		✓							✓	✓		✓			-im			
IV	2;06.12		O	kórkinet (repetition)	kórkinet		X	✓																
IV	2;07.19	shape	T	curá	curót	2σ								✓			✓			✓	-ot			
IV	2;07.19		O		curót		✓										✓			✓	-ot			
IV	2;05.09		T	xulcá	xulcót	2σ								✓			✓			✓	-ot			
IV	2;05.09		O		xulcót		✓										✓			✓	-ot			
IV	2;05.28		T	xulcá	xulcót	2σ								✓			✓			✓	-ot			

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	number of 6 in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix																
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final					Reg.	Irreg.	-aim													
								Final segment		Final segment		Final segment																								
								C	V	C	V	C	V																							
				t	a.o	t	a.o	t	a.o	t	a.o	t	a.o																							
IV	2;05.28	shirt	O	xulcá (repetition)	xulcót		✓							✓			✓			✓	-ot															
IV	2;06.12		T	xulcá	xulcót	2σ								✓			✓			✓	-ot															
IV	2;06.12		O	xulcá	xulcá		X							✓																						
I	1;05.29	shoe	T	ná.al	na.aláim	2σ				✓					✓		✓						-aim													
I	1;05.29		O		óná		X							X																						
I	1;05.29		O		na		X							X																						
I	1;05.29		O		nay		X						X																							
I	1;05.29		O		lalá		X						X																							
I	1;05.29		O		dáda		X				X																									
I	1;09.11		T	ná.al	na.aláim	2σ				✓					✓		✓						-aim													
I	1;09.11		O		aláim		✓								✓		✓						-aim													
I	1;09.19		T	ná.al	na.aláim	2σ				✓					✓		✓						-aim													
I	1;09.19		O		nalái		✓								✓		✓						-aim													
I	1;09.19		O		naláim		✓								✓		✓						-aim													
I	1;10.27		T	ná.al	na.aláim	2σ				✓					✓		✓						-aim													
I	1;10.27		O		yáim		✓								✓		✓						-aim													
I	2;00.02		T	ná.al	na.aláim	2σ				✓					✓		✓						-aim													
I	2;00.02		O		nayái		✓								✓		✓						-aim													
I	2;00.02		O		nayáim		✓								✓		✓						-aim													
II	2;00.29		T	ná.al	na.aláim	2σ				✓					✓		✓						-aim													
II	2;00.29		O		naláim		✓								✓		✓						-aim													
II	2;01.12		T	ná.al	na.aláim	2σ				✓					✓		✓						-aim													
II	2;01.12		O		naláim		✓								✓		✓						-aim													
II	2;01.19		T	ná.al	na.aláim	2σ				✓					✓		✓						-aim													
II	2;01.19		O	nál (repetition)	naláim		✓			✓					✓		✓						-aim													
II	2;01.19		O	náal (repetition)	nái		✓			✓					✓		✓						-aim													
III	2;03.01		T	ná.al	na.aláim	2σ				✓					✓		✓						-aim													
III	2;03.01		O		naaláim		✓								✓		✓						-aim													
III	2;03.22		T	ná.al	na.aláim	2σ				✓					✓		✓						-aim													
III	2;03.22		O		àniláim		✓								✓		✓						-aim													
III	2;04.19		T	ná.al	na.aláim	2σ				✓					✓		✓						-aim													
III	2;04.19		O		naaláim		✓								✓		✓						-aim													
IV	2;05.15		T	ná.al	na.aláim	2σ				✓					✓		✓						-aim													
IV	2;05.15		O		naaláim		✓								✓		✓						-aim													
IV	2;06.06		T	ná.al	na.aláim	2σ				✓					✓		✓						-aim													
IV	2;06.06		O		naaláim		✓								✓		✓						-aim													
IV	2;08.02		T	ná.al	na.aláim	2σ				✓					✓		✓						-aim													
IV	2;08.02		O		naaláim		✓								✓		✓						-aim													
IV	2;09.28		T	ná.al	na.aláim	2σ				✓					✓		✓						-aim													
IV	2;09.28		O		naaláim		✓								✓		✓						-aim													

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix																
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final					Reg.	Irreg.	-aim													
								Final segment		Final segment		Final segment																								
								C	V	C	V	C	V																							
								t	a.o	t	a.o	t	a.o																							
IV	2;10.03		T	ná.al	na.aláim	2σ				✓					✓		✓						-aim													
IV	2;10.03		O		na.aláim		✓								✓		✓						-aim													
IV	2;9.06		T	ná.al	na.aláim	2σ				✓					✓		✓						-aim													
IV	2;9.06		O		na.aláim		✓								✓		✓						-aim													
IV	2;06.06	snail	T	xilazón	xelzonót	3σ							✓			✓	✓	✓	✓		-ot															
IV	2;06.06		O	xilazón	xilazón		X						✓																							
III	2;03.28	snake	T	naxáf	nexafí m	2σ							✓			✓	✓	✓		-im																
III	2;03.28		O	naxáf	nexafí m		✓						✓			✓	✓	✓		-im																
I	1;08.27		T	gérev	garbáim	2σ				✓					✓		✓	✓	✓				-aim													
I	1;08.27		O		əbáim		✓								✓		✓	✓	✓				-aim													
I	1;09.11		T	gérev	garbáim	2σ				✓					✓		✓	✓	✓				-aim													
I	1;09.11		O		baí m		✓								✓		✓	✓	✓				-aim													
I	1;09.19		T	gérev	garbáim	2σ				✓					✓		✓	✓	✓				-aim													
I	1;09.19		O		a ^m bái		✓								✓		✓	✓	✓				-aim													
I	1;09.19		O		abáim		✓								✓		✓	✓	✓				-aim													
I	1;10.00		T	gérev	garbáim	2σ				✓					✓		✓	✓	✓				-aim													
I	1;10.00		O		ubát		X						X																							
I	1;10.00		O		padái		✓								✓		✓	✓	✓				-aim													
I	1;10.00		O		ale:báim		✓								✓		✓	X	✓				-aim													
I	1;10.00		O		abáim		✓								✓		✓	✓	✓				-aim													
III	2;02.18		T	gérev	garbáim	2σ				✓					✓		✓	✓	✓				-aim													
III	2;02.18		O		tabarí m		✓									X	X	✓	✓	-im																
III	2;02.18	sock	O		gabáim		✓								✓		✓	✓	✓				-aim													
IV	2;05.09		T	gérev	garbáim	2σ				✓					✓		✓	✓	✓				-aim													
IV	2;05.09		O	gérev			X			✓																										
IV	2;05.09		O	garbá			X						✓																							
IV	2;05.15		T	gérev	garbáim	2σ				✓					✓		✓	✓	✓				-aim													
IV	2;05.15		O		garbáim		✓								✓		✓	✓	✓				-aim													
IV	2;05.26		T	gérev	garbáim	2σ				✓					✓		✓	✓	✓				-aim													
IV	2;05.26		O		garbáim		✓								✓		✓	✓	✓				-aim													
IV	2;05.28		T	gérev	garbáim	2σ				✓					✓		✓	✓	✓				-aim													
IV	2;05.28		O		garbáim		✓								✓		✓	✓	✓				-aim													
IV	2;06.06		T	gérev	garbáim	2σ				✓					✓		✓	✓	✓				-aim													
IV	2;06.06		O		garbáim		✓								✓		✓	✓	✓				-aim													
IV	2;06.29		T	gérev	garbáim	2σ				✓					✓		✓	✓	✓				-aim													
IV	2;06.29		O	gérev	garbáim		✓			✓					✓		✓	✓	✓				-aim													
IV	2;09.28		T	gérev	garbáim	2σ				✓					✓		✓	✓	✓				-aim													
IV	2;09.28		O		garbáim		✓								✓		✓	✓	✓				-aim													
IV	2;10.03		T	gérev	garbáim	2σ				✓					✓		✓	✓	✓				-aim													

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	number of 6 in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix									
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final					Reg.	Irreg.	-aim						
								Final segment		Final segment		Final segment																	
								C	a.o	V	C	a.o	V	C	a.o	V													
IV	2;10.03		O		garbáim		✓								✓		✓	✓	✓			-aim							
IV	2;9.06	song	T	fír	fíri m	1σ							✓			✓	✓	✓		-im									
IV	2;9.06		O		serí m		✓									✓	✓	✓		-im									
IV	2;05.09	sound	T	kol	kolót	1σ							✓			✓	✓	✓			-ot								
IV	2;05.09		O		kolót		✓									✓	✓	✓			-ot								
IV	2;05.28	spinning-top	T	sevivón	svivoni m	3σ							✓			✓	✓		✓	-im									
IV	2;05.28		O		sevovaní m		✓									✓	✓		X	-im									
IV	2;06.12		T	sevivón	svivoni m	3σ							✓			✓	✓		✓	-im									
IV	2;06.12		O	sevivón (repetition)	sevivoní m		✓						✓			✓	✓		X	-im									
II	2;00.29	stair	T	madregá	madregót	3σ							✓			✓			✓	-ot									
II	2;00.29		O		madgót		✓									✓			✓	-ot									
IV	2;06.12		T	madregá	madregót	3σ							✓			✓			✓	-ot									
IV	2;06.12		O		magredót		✓									✓			✓	-ot									
IV	2;06.12		O		madregót		✓									✓			✓	-ot									
IV	2;06.29		T	madregá	madregót	3σ							✓			✓			✓	-ot									
IV	2;06.29		O		mabegót		✓									✓			✓	-ot									
IV	2;07.19		T	madregá	madregót	3σ							✓			✓			✓	-ot									
IV	2;07.19		O		mavregót		✓									✓			✓	-ot									
IV	2;07.19		O		madregót (repetition)		✓									✓			✓	-ot									
IV	2;09.17		T	madregá	madregót	3σ							✓			✓			✓	-ot									
IV	2;09.17		O		mavregót		✓									✓			✓	-ot									
IV	2;10.03		T	madregá	madregót	3σ							✓			✓			✓	-ot									
IV	2;10.03		O		mavregót		✓									✓			✓	-ot									
II	2;00.16	star	T	koxáv	koxavi m	2σ							✓			✓	✓			-im									
II	2;00.16		O		xoví m		✓									✓	✓			-im									
III	2;04.19		T	koxáv	koxavi m	2σ							✓			✓	✓			-im									
III	2;04.19		O		kaxoví m		✓									✓	✓			-im									
IV	2;08.02	stick	T	makél	maklót	2σ							✓			✓	✓		✓		-ot								
IV	2;08.02		O	makél	takalót		✓						✓			✓	✓		X		-ot								
IV	2;08.02		O		makelót		✓									✓	✓		X		-ot								
I	1;10.27	sticker	T	madbeká	madbekót	3σ							✓			✓			✓	-ot									
I	1;10.27		O	abeká	mafekót		✓						✓			✓			✓	-ot									
I	1;10.27		O	aboseká			X						✓																
I	1;10.27		O	abaká			X						✓																
II	2;01.06		T	madbeká	madbekót	3σ							✓			✓			✓	-ot									
II	2;01.06		O		balakót		✓									✓			✓	-ot									
II	2;01.06		O		dabekót		✓									✓			✓	-ot									
III	2;03.14		T	madbeká	madbekót	3σ							✓			✓			✓	-ot									
III	2;03.14		O		babekót		✓									✓			✓	-ot									
III	2;03.14		O		mabekót		✓									✓			✓	-ot									

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	number of 6 in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix																
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final					Reg.	Irreg.	-aim													
								Final segment		Final segment		Final segment																								
								C	V	C	V	C	V																							
								t	a.o	t	a.o	t	a.o																							
IV	2:09.28		T	madbeká	madbekót	3σ							✓			✓			✓	-ot																
IV	2:09.28		O		madbekót		✓									✓			✓	-ot																
IV	2:09.28		T	madbeká	madbekót	3σ							✓			✓			✓	-ot																
IV	2:09.28		O	madbeká	malbekót		✓						✓			✓			✓	-ot																
IV	2:10.03		T	madbeká	madbekót	3σ							✓			✓			✓	-ot																
IV	2:10.03		O		madbekót		✓									✓			✓	-ot																
IV	2:9.06		T	madbeká	madbekót	3σ							✓			✓			✓	-ot																
IV	2:9.06		O		madbekót		✓									✓			✓	-ot																
IV	2:05.28		T	éven	avani m	2σ				✓						✓	✓	✓		-im																
IV	2:05.28		O	éven (repetition)	avani m		✓			✓						✓	✓	✓		-im																
IV	2:06.12		T	éven	avani m	2σ				✓						✓	✓	✓		-im																
IV	2:06.12		O	éven (repetition)	avani m		✓			✓						✓	✓	✓		-im																
IV	2:10.03		T	éven	avani m	2σ				✓						✓	✓	✓		-im																
IV	2:10.03		O		avani m		✓									✓	✓	✓		-im																
III	2:01.27		T	sipúr	sipuri m	2σ							✓			✓	✓			-im																
III	2:01.27		O	sipúr	sipurim		✓						✓		X		X			-im																
III	2:02.24		T	sipúr	sipuri m	2σ							✓			✓	✓			-im																
III	2:02.24		O	sipúr	sapuri m		✓						✓			✓	✓			-im																
III	2:02.24		O		siburí m		✓									✓	✓			-im																
III	2:02.24		O		sipurí m		✓									✓	✓			-im																
IV	2:09.28		T	tut	tútím	1σ							✓		✓					-im																
IV	2:09.28		O	tut	tutí m		✓						✓			X				-im																
IV	2:05.28		T	agalá	agalót	3σ							✓			✓			✓	-ot																
IV	2:05.28		O	agalá	agalót		✓						✓			✓			✓	-ot																
IV	2:06.06		T	agalá	agalót	3σ							✓			✓			✓	-ot																
IV	2:06.06		O		agalót		✓									✓			✓	-ot																
IV	2:06.12		T	agalá	agalót	3σ							✓			✓			✓	-ot																
IV	2:06.12		O	agalá	agalót		✓						✓			✓			✓	-ot																
III	2:04.05		T	davár	dvari m	2σ							✓			✓	✓		✓	-im																
III	2:04.05		O		dvari m		✓									✓	✓		✓	-im																
III	2:04.19		T	davár	dvari m	2σ							✓			✓	✓		✓	-im																
III	2:04.19		O		dvari m		✓									✓	✓		✓	-im																
IV	2:06.19		T	hafta.á	haftaót	3σ							✓			✓			✓	-ot																
IV	2:06.19		O		haftaót		✓									✓			✓	-ot																
IV	2:05.28		T	svéder	svéderim	2σ				✓				✓						-im																
IV	2:05.28		O		sa:vdi m		✓									X	X			-im																
IV	2:06.12		T	svéder	svéderim	2σ				✓				✓						-im																
IV	2:06.12		O	svéder (repetition)	svéder		X			✓																										
III	2:04.19		T	mamták	mamtakí m	2σ							✓			✓	✓			-im																
III	2:04.19		O		mamtakí m		✓									✓	✓			-im																

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix									
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final							Reg.	Irreg.	-aim						
								Final segment		Final segment		Final segment																			
								C t	a.o	V	C t	a.o	V	C t	a.o	V															
IV	2;09.17	sweet	T	mamták	mamtakí m	2σ								✓			✓	✓					-im								
IV	2;09.17		O		mamtakí m		✓										✓	✓					-im								
IV	2;05.28	swing	T	nadnedá	nadnedót	3σ								✓			✓					✓	-ot								
IV	2;05.28		O	nadnedá (repetition)	nadedót		✓							✓			✓					✓	-ot								
IV	2;06.12		T	nadnedá	nadnedót	3σ								✓			✓					✓	-ot								
IV	2;06.12		O	nadnedá (repetition)	nadedót		✓							✓			✓					✓	-ot								
IV	2;08.19	tail	T	zanáv	znavót	2σ								✓			✓	✓				✓	-ot								
IV	2;08.19		O		zanáv		X							✓																	
IV	2;09.28		T	zanáv	znavót	2σ								✓			✓	✓				✓	-ot								
IV	2;09.28		O	zanáv	zanaví m		✓							✓			✓	✓				X	-im								
IV	2;10.03	tear	T	dimá	dmaót	2σ								✓			✓	✓				✓	-ot								
IV	2;10.03		O		dmaót		✓										✓	✓				✓	-ot								
IV	2;05.26	telephone	T	télefon	télefonim / telefónim	3σ		✓						✓	✓		✓						-im								
IV	2;05.26		O	télefon	télefon		X	✓																							
IV	2;06.12		T	télefon	télefonim / telefónim	3σ		✓						✓	✓		✓						-im								
IV	2;06.12		O	télefon	télefon		X	✓																							
III	2;02.24	tentacle	T	mexóf	mexofí m	2σ								✓			✓	✓		✓			-im								
III	2;02.24		O		mexofí m (repetition)		✓										✓	✓		✓			-im								
III	2;02.24		O		mexofí m		✓										✓	✓		✓			-im								
III	2;02.24		O		xufí m		✓										✓	✓		X			-im								
III	2;03.28		T	maxóf	mexofí m	2σ								✓			✓	✓		✓			-im								
III	2;03.28		O		maxofí m (repetition)		✓										✓	✓		X			-im								
IV	2;10.03		T	maxóf	mexofí m	2σ								✓			✓	✓		✓			-im								
IV	2;10.03		O		mexofí m		✓										✓	✓		✓			-im								
IV	2;9.06	thunder	T	barák	brakí m	2σ								✓			✓	✓				✓	-im								
IV	2;9.06		O		barakí m		✓										✓	✓				X	-im								
IV	2;05.26	tomato	T	agvaniyá	agvaniyót	3σ								✓			✓					✓	-ot								
IV	2;05.26		O	gvanyá (repetition)	agvaniyót		✓							✓			✓					✓	-ot								
IV	2;06.12		T	agvaniyá	agvaniyót	3σ								✓			✓					✓	-ot								
IV	2;06.12		O	agvanyá	agvanyót		✓							✓			✓					✓	-ot								
I	1;11.18	tooth	T	fén	fináim	1σ								✓			✓		✓	✓				-aim							
I	1;11.18		O		fináim		✓										✓		✓	✓				-aim							
II	2;00.16		T	fén	fináim	1σ								✓			✓		✓	✓				-aim							
II	2;00.16		O		finái m (repetition)		✓										✓		✓	✓				-aim							
III	2;02.24		T	fén	fináim	1σ								✓			✓		✓	✓				-aim							
III	2;02.24		O		fináim		✓										✓		✓	✓				-aim							
III	2;02.24		O		fináim		✓										✓		✓	✓				-aim							

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix			
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim	
								Final segment		Final segment		Final segment											
								C t	a.o	V	C t	a.o	V										C t
IV	2;09.17		T	fen	fináim	1σ							✓		✓		✓	✓				-aim	
IV	2;09.17		O	fen	sináim		✓							✓		✓		✓	✓				-aim
IV	2;09.17		O		fináim (repetition)		✓								✓		✓		✓	✓			
IV	2;05.26	tower	T	migdál	migdali m	2σ							✓			✓	✓				-im		
IV	2;05.26		O	migdál (repetition)	migdál		X						✓										
IV	2;06.12		T	migdál	migdali m	2σ							✓			✓	✓				-im		
IV	2;06.12		O	migdál (repetition)	mígdalót		✓						✓			✓						-ot	
IV	2;06.29		T	migdál	migdali m	2σ							✓			✓	✓				-im		
IV	2;06.29		O	migdál	migdali m		✓						✓			✓	✓				-im		
IV	2;05.26		T	tráktor	tráktorim	2σ					✓				✓						-im		
IV	2;05.26	tractor	O	kráktor	katekó		X			✓				X									
IV	2;05.26		O		káкто		X			✓													
IV	2;06.12		T	tráktor	tráktorim	2σ					✓				✓						-im		
IV	2;06.12		O	tráktor (repetition)	ṛáktor		X				✓												
IV	2;05.28	train	T	rakévet	rakavót	3σ				✓						✓	✓	✓	✓	✓	-ot		
IV	2;05.28		O	rakévet	rakeví m		✓			✓						✓	✓	X	✓	✓	-im		
IV	2;06.12		T	rakévet	rakavót	3σ					✓					✓	✓	✓	✓	✓	-ot		
IV	2;06.12		O	rakévet	rakaví m		✓			✓						✓	✓	✓	✓	✓	-im		
IV	2;9.06		T	rakévet	rakavót	3σ					✓					✓	✓	✓	✓	✓	-ot		
IV	2;9.06		O	rakévet	rakévet		✓			✓													
IV	2;05.09	tree	T	ec	eci m	1σ							✓			✓	✓			-im			
IV	2;05.09		O		eci m		✓									✓	✓			-im			
IV	2;05.09	turtle	T	cav	cavi m	1σ							✓			✓	✓			-im			
IV	2;05.09		O	cav	cavi m (repetition)		✓						✓			✓	✓			-im			
IV	2;08.19	umbrella	T	mitriyá	mitriyót	3σ							✓			✓			✓	-ot			
IV	2;08.19		O	mitriyá	mitriyót		✓							✓			✓			✓	-ot		
IV	2;08.19	under-wear	T	taxtón	taxtoní m	2σ							✓			✓	✓			-im			
IV	2;08.19		O		taxtoní m		✓									✓	✓			-im			
IV	2;10.03		T	taxtón	taxtoní m	2σ								✓			✓	✓			-im		
IV	2;10.03		O		taxtoní m		✓									✓	✓			-im			
IV	2;10.03	wafer	T	váfel	váflim	2σ				✓					✓				✓	-im			
IV	2;10.03		O		báflim		✓								✓				✓	-im			
IV	2;08.19	water-melon	T	avati ax	avatixi m	4σ				✓						✓	✓		✓	-im			
IV	2;08.19		O		teovati ax		X				✓												
III	2;04.12	wet wipes	T	magvón	magvoni m	2σ							✓			✓	✓			-im			
III	2;04.12		O		magvoni m (repetition)		✓									✓	✓			-im			

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.				-aim		
								Final segment		Final segment		Final segment												
								C t	a.o	V	C t	a.o	V										C t	a.o
IV	2;05.26	whale	T	livyatán	livyatani m	3σ							✓			✓	✓			-im				
IV	2;05.26		O	livyatán (repetition)	livatáim		✓						✓		X		X					-aim		
IV	2;06.12		T	livyatán	livyatani m	3σ							✓				✓	✓			-im			
IV	2;06.12		O		livantót		✓										✓	✓				-ot		
IV	2;05.28	window	T	xalón	xalonót	2σ							✓				✓	✓				-ot		
IV	2;05.28		O		xaloní m		✓										✓	✓			-im			
IV	2;06.12		T	xalón	xalonót	2σ							✓				✓	✓				-ot		
IV	2;06.12		O	xalón (repetition)	xaloní m		✓						✓				✓	✓			-im			
IV	2;09.28		T	xalón	xalonót	2σ							✓				✓	✓				-ot		
IV	2;09.28		O		xaloní m		✓										✓	✓			-im			
III	2;03.28	wing	T	kanáf	knafáim	2σ							✓			✓		✓		✓			-aim	
III	2;03.28		O		kansáim		✓										✓		✓	X			-aim	
IV	2;05.09	wound	T	péca	pcai m	2σ						✓					✓	✓		✓	-im			
IV	2;05.09		O	péca	péca		X					✓												
IV	2;05.26		T	péca	pcai m	2σ							✓					✓	✓		✓	-im		
IV	2;05.26		O	péca			X						✓											
IV	2;06.12		T	péca	pcai m	2σ							✓					✓	✓		✓	-im		
IV	2;06.12		O	pésa	pésa		X						✓											
IV	2;04.25	zebra	T	zébra	zébroť	2σ							✓			✓				✓	-ot			
IV	2;04.25		O	zébra	zébroť		✓						✓				✓				✓	-ot		
IV	2;05.28		T	zébra	zébroť	2σ							✓				✓				✓	-ot		
IV	2;05.28		O	zébra	zébroť		✓						✓				✓				✓	-ot		
IV	2;06.12		T	zébra	zébroť	2σ							✓				✓				✓	-ot		
IV	2;06.12		O	zébra	zébroť		✓						✓				✓				✓	-ot		

Appendix 3 - Qualitative Target analysis

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of 6 in the sg.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix										
							Ante-Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final					Reg.	Irreg.	-aim							
							Final segment		Final segment		Final segment																		
							C		V	C		V	C		V														
							t	a.o		t	a.o		t	a.o															
I	1;11.18	tooth	T	fen	fináim	1σ							✓			✓		✓				-aim							
	1;05.29	shoe	T	ná.al	na.aláim	2σ				✓					✓		✓					-aim							
	1;07.10	flower	T	pérax	praxi'm	2σ				✓					✓		✓		✓	-im									
	1;08.27	butterfly	T	parpár	parpari'm	2σ							✓		✓		✓			-im									
	1;08.27	sock	T	gérev	garbáim	2σ				✓					✓		✓	✓	✓			-aim							
	1;09.11	shoe	T	ná.al	na.aláim	2σ				✓					✓		✓					-aim							
	1;09.11	sock	T	gérev	garbáim	2σ				✓					✓		✓	✓	✓			-aim							
	1;09.19	sock	T	gérev	garbáim	2σ				✓					✓		✓	✓	✓			-aim							
	1;09.19	shoe	T	ná.al	na.aláim	2σ				✓					✓		✓					-aim							
	1;10.00	eye	T	áin	eináim	2σ				✓					✓		✓	✓				-aim							
	1;10.00	pants	T	mixnás	mixnasáim	2σ							✓		✓		✓					-aim							
	1;10.00	sock	T	gérev	garbáim	2σ				✓					✓		✓	✓	✓			-aim							
	1;10.00	foot	T	régel	ragláim	2σ				✓					✓		✓	✓	✓			-aim							
	1;10.00	pin	T	siká	sikót	2σ								✓					✓	-ot									
	1;10.00	drop	T	tipá	tipót	2σ								✓		✓			✓	-ot									
	1;10.27	ear	T	ózen	oznáim	2σ				✓					✓		✓		✓			-aim							
	1;10.27	foot	T	régel	ragláim	2σ				✓					✓		✓	✓	✓			-aim							
	1;10.27	shoe	T	ná.al	na.aláim	2σ				✓					✓		✓					-aim							
	1;10.27	eye	T	áin	eináim	2σ				✓					✓		✓	✓				-aim							
	1;10.27	circle	T	igúl	iguli'm	2σ							✓		✓		✓			-im									
	1;11.18	foot	T	régel	ragláim	2σ				✓					✓		✓	✓	✓			-aim							
	1;11.18	picture	T	tmuná	tmunót	2σ							✓		✓				✓	-ot									
	1;11.25	bird	T	cipór	cipori'm	2σ							✓		✓		✓			-im									
	1;11.25	eye	T	áin	eináim	2σ				✓					✓		✓	✓				-aim							
	1;11.25	animal	T	xayá	xayót	2σ								✓		✓			✓	-ot									
	2;00.02	foot	T	régel	ragláim	2σ				✓					✓		✓	✓	✓			-aim							
	2;00.02	shoe	T	ná.al	na.aláim	2σ				✓					✓		✓					-aim							
	2;00.02	pants	T	mixnás	mixnasáim	2σ							✓		✓		✓					-aim							
	1;07.10	block	T	kubiyá	kubiyót	3σ								✓		✓			✓	-ot									
	1;09.19	block	T	kubiyá	kubiyót	3σ								✓		✓			✓	-ot									
	1;10.27	block	T	kubiyá	kubiyót	3σ								✓		✓			✓	-ot									
	1;10.27	hair	T	seará	searót	3σ								✓		✓			✓	-ot									
	1;10.27	sticker	T	madbeká	madbekót	3σ								✓		✓			✓	-ot									
	1;11.18	candy	T	sukaryá	sukaryót	3σ								✓		✓			✓	-ot									
II	2;00.09	bear	T	dov	dubi'm	1σ							✓		✓		✓	✓		-im									
	2;00.16	tooth	T	fen	fináim	1σ							✓		✓		✓	✓				-aim							
	2;00.16	hand	T	yad	yadáim	1σ							✓		✓		✓					-aim							
	2;01.06	fruit	T	pri	perót	1σ								✓		✓			✓		-ot								
	2;01.12	dishware	T	kli	keli'm	1σ								✓		✓			✓	-im									

	2;01.19	fruit	T	pri	perót	1σ								✓			✓			✓			-ot	
	2;00.09	eye	T	ain	eináim	2σ				✓						✓		✓		✓			-im	-aim
	2;00.09	circle	T	igúl	igulí m	2σ							✓				✓		✓			-im		
	2;00.09	butterfly	T	parpár	parparí m	2σ							✓				✓		✓			-im		
	2;00.16	cheek	T	léxi	lexayáim	2σ				✓						✓		✓		✓			-aim	
	2;00.16	eye	T	ain	eináim	2σ				✓						✓		✓		✓			-aim	
	2;00.16	child	T	yéled	yeladí m	2σ				✓							✓		✓		✓	-im		
	2;00.16	star	T	koxáv	koxavi m	2σ							✓				✓		✓			-im		
	2;00.16	picture	T	tmuná	tmunót	2σ							✓				✓				✓	-ot		
	2;00.16	boot	T	magáf	magafáim	2σ							✓			✓		✓					-aim	
	2;00.16	pants	T	mixnás	mixnasáim	2σ							✓			✓		✓					-aim	
	2;00.16	foot	T	régel	ragláim	2σ				✓						✓		✓		✓			-aim	
	2;00.26	house	T	báit	bati m	2σ				✓							✓		✓		✓	-im		
	2;00.29	picture	T	tmuná	tmunót	2σ								✓			✓				✓	-ot		
	2;00.29	car	T	óto	otoim	2σ					✓				✓							-im		
	2;00.29	shoe	T	ná.al	na.aláim	2σ				✓						✓		✓					-aim	
	2;01.06	eye	T	ain	eináim	2σ				✓						✓		✓		✓			-aim	
	2;01.06	foot	T	régel	ragláim	2σ				✓						✓		✓		✓			-aim	
	2;01.12	shoe	T	ná.al	na.aláim	2σ				✓						✓		✓					-aim	
	2;01.12	house	T	báit	bati m	2σ				✓							✓		✓		✓	-im		
	2;01.12	ear	T	ózen	oznáim	2σ				✓						✓		✓			✓		-aim	
	2;01.12	eye	T	ain	eináim	2σ				✓						✓		✓		✓			-aim	
	2;01.19	shoe	T	ná.al	na.aláim	2σ				✓						✓		✓					-aim	
	2;01.19	doll	T	bubá	bubót	2σ								✓			✓				✓	-ot		
	2;01.19	cloud	T	anán	anani m	2σ							✓				✓		✓			-im		
	2;01.19	animal	T	xayá	xayót	2σ								✓			✓					-ot		
	2;01.19	bee	T	dvorá	dvorí m	2σ								✓			✓				✓	-im		
	2;01.19	lion	T	aryé	arayót	2σ								✓			✓				✓	-ot		
	2;01.19	bird	T	cipór	ciporí m	2σ							✓				✓		✓			-im		
	2;00.09	candy	T	sukaryá	sukaryót	3σ								✓			✓				✓	-ot		
	2;00.16	candy	T	sukaryá	sukaryót	3σ									✓		✓				✓	-ot		
	2;00.29	ant	T	nemalá	nemali m	3σ									✓		✓				✓	-im		
	2;00.29	bus	T	ótobus	otobúsım	3σ			✓							✓		✓				-im		
	2;00.29	stair	T	madregá	madregót	3σ								✓			✓				✓	-ot		
	2;01.06	sticker	T	madbeká	madbekót	3σ								✓			✓				✓	-ot		
	2;01.12	candy	T	sukaryá	sukaryót	3σ								✓			✓				✓	-ot		
	2;01.12	rubber band	T	gumiyá	gumiyót	3σ								✓			✓				✓	-ot		
	2;01.12	hair	T	seará	searót	3σ								✓			✓				✓	-ot		
III	2;02.18	bear	T	dov	dubí m	1σ							✓				✓		✓		✓	-im		
	2;02.24	fish	T	dag	dagi m	1σ							✓				✓		✓			-im		
	2;02.24	hand	T	yad	yadáim	1σ							✓			✓		✓				-aim		
	2;02.24	tooth	T	fen	fináim	1σ							✓			✓		✓		✓			-aim	
	2;02.24	dishware	T	kli	keli m	1σ							✓				✓				✓	-im		
	2;03.01	fish	T	dag	dagi m	1σ							✓				✓		✓			-im		
	2;03.01	dishware	T	kli	keli m	1σ							✓				✓				✓	-im		
	2;03.01	person	T	if	anafi m	1σ							✓				✓		✓		✓	-im		
	2;03.14	hand	T	yad	yadáim	1σ							✓			✓		✓					-aim	
	2;04.05	hand	T	yad	yadáim	1σ							✓			✓		✓					-aim	
	2;04.12	hand	T	yad	yadáim	1σ							✓			✓		✓					-aim	

2;01.27	glitter	T	nácnac	nácnacim	2σ				✓				✓						-im	
2;01.27	butterfly	T	parpár	parpari m	2σ						✓				✓	✓			-im	
2;01.27	story	T	sipúr	sipuri m	2σ						✓				✓	✓			-im	
2;02.04	bracelet	T	camí d	cmidi m	2σ						✓				✓	✓		✓	-im	
2;02.04	eye	T	áin	eináim	2σ				✓					✓		✓	✓			-aim
2;02.11	animal	T	xayá	xayót	2σ							✓			✓			✓	-ot	
2;02.11	mouse	T	axbár	axbari m	2σ						✓				✓	✓			-im	
2;02.18	flower	T	pérax	praxi m	2σ				✓						✓	✓		✓	-im	
2;02.18	cat	T	xatúl	xatulí m	2σ						✓				✓	✓			-im	
2;02.18	sock	T	gérev	garbáim	2σ				✓					✓		✓	✓	✓		-aim
2;02.18	bird	T	cipór	cipori m	2σ						✓				✓	✓				-im
2;02.18	painting	T	ciyúr	ciyuri m	2σ						✓				✓	✓			-im	
2;02.24	story	T	sipúr	sipuri m	2σ						✓				✓	✓			-im	
2;02.24	book	T	séfer	sfari m	2σ				✓						✓	✓	✓	✓	-im	
2;02.24	child	T	yéled	yeladi m	2σ				✓						✓	✓	✓		-im	
2;02.24	color	T	céva	cvai m	2σ					✓					✓	✓		✓	-im	
2;02.24	tentacle	T	maxóf	mexofi m	2σ						✓				✓	✓	✓		-im	
2;02.24	foot	T	régel	ragláim	2σ				✓					✓		✓	✓	✓		-aim
2;03.01	butterfly	T	parpár	parpari m	2σ						✓				✓	✓			-im	
2;03.01	doll	T	bubá	bubót	2σ							✓			✓			✓	-ot	
2;03.01	shoe	T	ná.al	na.aláim	2σ				✓					✓		✓				-aim
2;03.01	girl	T	yaldá	yeladót	2σ							✓			✓		✓	✓	-ot	
2;03.01	eye	T	áin	eináim	2σ				✓					✓		✓	✓			-aim
2;03.01	part	T	xélek	xalaki m	2σ				✓						✓	✓	✓		-im	
2;03.14	color	T	céva	cvai m	2σ					✓					✓	✓		✓	-im	
2;03.14	mouse	T	axbár	axbari m	2σ						✓				✓	✓			-im	
2;03.14	flower	T	pérax	praxi m	2σ				✓						✓	✓		✓	-im	
2;03.14	cloud	T	anán	anani m	2σ						✓				✓	✓			-im	
2;03.14	eye	T	áin	eináim	2σ				✓					✓		✓	✓			-aim
2;03.14	foot	T	régel	ragláim	2σ				✓					✓		✓	✓	✓		-aim
2;03.14	animal	T	xayá	xayót	2σ							✓			✓			✓	-ot	
2;03.22	picture	T	tmuná	tmunót	2σ							✓			✓			✓	-ot	
2;03.22	shoe	T	ná.al	na.aláim	2σ				✓					✓		✓				-aim
2;03.22	hat	T	kóva	kovai m	2σ					✓					✓	✓			-im	
2;03.22	cat	T	xatúl	xatulí m	2σ						✓				✓	✓			-im	
2;03.22	foot	T	régel	ragláim	2σ				✓					✓		✓	✓	✓		-aim
2;03.22	doll	T	bubá	bubót	2σ							✓			✓			✓	-ot	
2;03.22	pin	T	siká	sikót	2σ							✓			✓			✓	-ot	
2;03.28	eye	T	áin	eináim	2σ				✓						✓		✓	✓		-aim
2;03.28	color	T	céva	cvai m	2σ					✓					✓	✓		✓	-im	
2;03.28	snake	T	naxáf	nexafi m	2σ						✓				✓	✓	✓		-im	
2;03.28	tentacle	T	maxóf	mexofi m	2σ						✓				✓	✓	✓		-im	
2;03.28	wing	T	kanáf	knafaim	2σ						✓			✓		✓		✓		-aim
2;03.28	bubble	T	buá	buót	2σ							✓			✓			✓	-ot	
2;04.05	stuff	T	davár	dvari m	2σ						✓				✓	✓		✓	-im	
2;04.05	circle	T	igúl	iguli m	2σ						✓				✓	✓			-im	
2;04.05	doll	T	bubá	bubót	2σ							✓			✓			✓	-ot	
2;04.05	animal	T	xayá	xayót	2σ								✓		✓			✓	-ot	
2;04.05	bird	T	cipór	cipori m	2σ						✓				✓	✓			-im	

	2;04.12	eye	T	áin	eináim	2σ					✓				✓		✓	✓				-aim
	2;04.12	baby	T	tinók	tinokót	2σ							✓			✓	✓	✓			-ot	
	2;04.12	wet wipes	T	magvón	magvoni m	2σ							✓				✓	✓			-im	
	2;04.12	doll	T	bubá	bubót	2σ						✓					✓			✓	-ot	
	2;04.19	star	T	koxáv	koxavi m	2σ							✓				✓	✓			-im	
	2;04.19	shoe	T	ná.al	na.aláim	2σ					✓					✓		✓				-aim
	2;04.19	sweet	T	mamták	mamtaki m	2σ							✓				✓	✓			-im	
	2;04.19	stuff	T	davár	dvari m	2σ							✓				✓	✓		✓	-im	
	2;02.04	rubber band	T	gumiyá	gumiyót	3σ							✓				✓			✓	-ot	
	2;02.24	key	T	mafiéax	mafiexót	3σ					✓						✓	✓		✓		-ot
	2;03.01	ponytail holder	T	kukiyá	kukiyót	3σ								✓			✓			✓	-ot	
	2;03.14	sticker	T	madbeká	madbekót	3σ								✓			✓			✓	-ot	
	2;03.22	block	T	kubiyá	kubiyót	3σ								✓			✓			✓	-ot	
	2;03.22	rubber band	T	gumiyá	gumiyót	3σ								✓			✓			✓	-ot	
	2;04.05	candy	T	sukaryá	sukaryót	3σ								✓			✓			✓	-ot	
	2;04.05	giraffe	T	džiráfa	džiráfot	3σ										✓				✓	-ot	
	2;04.12	ring	T	tabáat	tabaót	3σ				✓							✓	✓		✓	-ot	
	2;04.12	ponytail holder	T	kukiyá	kukiyót	3σ									✓		✓			✓	-ot	
	2;04.19	candy	T	sukaryá	sukaryót	3σ									✓		✓			✓	-ot	
	2;04.19	block	T	kubiyá	kubiyót	3σ										✓	✓			✓	-ot	
IV	2;05.09	tree	T	ec	eci m	1σ							✓				✓	✓			-im	
	2;05.09	sound	T	kol	kolót	1σ								✓			✓	✓			-ot	
	2;05.09	popsicle	T	flúk	flúkim	1σ								✓		✓					-im	
	2;05.09	turtle	T	cav	cavi m	1σ								✓			✓	✓			-im	
	2;05.15	light	T	or	orót	1σ								✓			✓	✓			-ot	
	2;05.26	bucket	T	dli	dlaí m	1σ								✓			✓		✓		-im	
	2;05.26	mouth	T	pe	piót	1σ								✓			✓	✓	✓		-ot	
	2;05.26	road	T	kvíj	kvífi m	1σ								✓			✓	✓			-im	
	2;05.26	person	T	íj	anaí m	1σ								✓			✓	✓	✓	✓	-im	
	2;05.28	candle	T	ner	nerót	1σ								✓			✓	✓			-ot	
	2;05.28	fish	T	dag	dagi m	1σ								✓			✓	✓			-im	
	2;06.06	light	T	or	orót	1σ								✓			✓	✓			-ot	
	2;06.06	hand	T	yad	yadáim	1σ								✓		✓		✓				-aim
	2;06.12	bucket	T	dli	dlaí m	1σ								✓			✓		✓		-im	
	2;06.12	mouth	T	pe	piót	1σ								✓			✓	✓	✓		-ot	
	2;06.12	road	T	kvíj	kvífi m	1σ								✓			✓	✓			-im	
	2;06.12	fish	T	dag	dagi m	1σ								✓			✓	✓			-im	
	2;06.12	person	T	íj	anaí m	1σ								✓			✓	✓	✓	✓	-im	
	2;06.29	hand	T	yad	yadáim	1σ								✓		✓		✓				-aim
	2;06.29	drinking glass	T	kos	kosót	1σ								✓			✓	✓			-ot	
	2;08.02	hand	T	yad	yadáim	1σ								✓		✓		✓				-aim
	2;08.19	hand	T	yad	yadáim	1σ								✓		✓		✓				-aim
	2;08.19	line	T	kav	kavi m	1σ								✓			✓	✓			-im	
	2;08.19	card	T	klaf	klafi m	1σ								✓			✓	✓			-im	
	2;08.19	drinking glass	T	kos	kosót	1σ								✓			✓	✓			-ot	
	2;08.19	fish	T	dag	dagi m	1σ								✓			✓	✓			-im	

2;08.19	hand	T	yad	yadáim	1σ							✓			✓		✓					-aim
2;9.06	song	T	fir	firi m	1σ							✓				✓	✓				-im	
2;09.17	tooth	T	fen	fináim	1σ							✓			✓		✓	✓				-aim
2;09.17	hand	T	yad	yadáim	1σ							✓			✓		✓					-aim
2;09.28	card	T	klaf	klafi m	1σ							✓				✓	✓				-im	
2;09.28	straw-berry	T	tut	tútím	1σ					✓					✓						-im	
2;10.03	person	T	if	anafi m	1σ							✓				✓	✓		✓	✓	-im	
2;10.03	dishware	T	kli	keli m	1σ								✓				✓			✓	-im	
2;04.25	friend	T	xavér	xaveri m	2σ							✓				✓	✓				-im	
2;04.25	zebra	T	zébra	zébroť	2σ				✓						✓					✓	-ot	
2;04.25	cat	T	xatúl	xatulí m	2σ							✓				✓	✓				-im	
2;04.25	doll	T	bubá	bubót	2σ								✓				✓			✓	-ot	
2;04.25	eye	T	áin	eináim	2σ				✓						✓		✓	✓				-aim
2;04.25	number	T	mispár	mispari m	2σ							✓				✓	✓				-im	
2;04.25	animal	T	xayá	xayót	2σ								✓			✓				✓	-ot	
2;05.09	sock	T	gérev	garbáim	2σ				✓						✓		✓	✓		✓		-aim
2;05.09	mouse	T	axbár	axbari m	2σ							✓				✓	✓				-im	
2;05.09	color	T	céva	cvai m	2σ				✓							✓	✓			✓	-im	
2;05.09	bird	T	cipór	cipori m	2σ							✓				✓	✓				-im	
2;05.09	bee	T	dvorá	dvori m	2σ								✓				✓			✓	-im	
2;05.09	cloud	T	anán	anani m	2σ							✓				✓	✓				-im	
2;05.09	flower	T	pérax	praxi m	2σ				✓							✓	✓			✓	-im	
2;05.09	eye	T	áin	eináim	2σ				✓						✓		✓	✓				-aim
2;05.09	lion	T	aryé	arayót	2σ								✓				✓			✓	-ot	
2;05.09	branch	T	anáf	anafi m	2σ							✓					✓	✓			-im	
2;05.09	foot	T	régel	ragláim	2σ				✓						✓		✓	✓	✓	✓		-aim
2;05.09	dog	T	kélev	klavi m	2σ				✓							✓	✓	✓	✓	✓	-im	
2;05.09	cat	T	xatúl	xatulí m	2σ							✓				✓	✓				-im	
2;05.09	carrot	T	gézér	gzari m	2σ				✓							✓	✓	✓	✓	✓	-im	
2;05.09	child	T	yéled	yeladi m	2σ				✓							✓	✓	✓	✓		-im	
2;05.09	shirt	T	xulcá	xulcót	2σ								✓			✓				✓	-ot	
2;05.09	wound	T	péca	pcai m	2σ				✓							✓	✓			✓	-im	
2;05.09	book	T	séfer	sfari m	2σ				✓							✓	✓	✓	✓	✓	-im	
2;05.09	baby	T	tinók	tinokót	2σ							✓				✓	✓				-ot	
2;05.15	shoe	T	ná.al	na.aláim	2σ				✓						✓		✓				-aim	
2;05.15	sock	T	gérev	garbáim	2σ				✓						✓		✓	✓	✓	✓	-aim	
2;05.26	eye	T	áin	eináim	2σ				✓						✓		✓	✓			-aim	
2;05.26	book	T	séfer	sfari m	2σ				✓							✓	✓	✓	✓	✓	-im	
2;05.26	sock	T	gérev	garbáim	2σ				✓						✓		✓	✓	✓	✓	-aim	
2;05.26	part	T	xélek	xalaki m	2σ				✓							✓	✓	✓			-im	
2;05.26	gate	T	fáar	feari m	2σ				✓							✓	✓	✓			-im	
2;05.26	tower	T	migdál	migdali m	2σ							✓				✓	✓				-im	
2;05.26	glass	T	zxuxi t	zxuxiót	2σ							✓				✓	✓			✓	-ot	
2;05.26	balloon	T	balón	baloni m / balónim	2σ							✓			✓		✓	✓			-im	
2;05.26	wound	T	péca	pcai m	2σ				✓							✓	✓			✓	-im	
2;05.26	fox	T	fuál	fuali m	2σ							✓				✓	✓				-im	
2;05.26	bed	T	mitá	mitót	2σ								✓				✓			✓	-ot	
2;05.26	dwarf	T	gamád	gamadi m	2σ							✓					✓	✓			-im	

2;05.26	car	T	óto	ótoim	2σ						✓				✓						-im	
2;05.26	dog	T	kélev	klavi m	2σ					✓						✓	✓	✓	✓		-im	
2;05.26	tractor	T	tráktor	tráktorim	2σ					✓					✓						-im	
2;05.26	ball	T	kadúr	kaduri m	2σ								✓			✓	✓				-im	
2;05.26	cloud	T	anán	anani m	2σ								✓			✓	✓				-im	
2;05.26	ice cream	T	glí da	glí dot	2σ						✓				✓				✓		-ot	
2;05.26	foot	T	régl	ragláim	2σ					✓					✓		✓	✓	✓	✓		-aim
2;05.26	dress	T	simlá	smalót	2σ								✓			✓			✓	✓	-ot	
2;05.26	mouse	T	axbár	axbari m	2σ								✓			✓	✓				-im	
2;05.26	picture	T	tmuná	tmunót	2σ								✓			✓			✓		-ot	
2;05.28	ice cream	T	glí da	glí dot	2σ						✓				✓				✓		-ot	
2;05.28	game	T	mixxák	mixxaki m	2σ								✓			✓	✓				-im	
2;05.28	sock	T	gérev	garbáim	2σ					✓					✓		✓	✓	✓	✓		-aim
2;05.28	pepper	T	pí lpel	pí lpelim	2σ					✓					✓		✓				-im	
2;05.28	cheese	T	gvíná	gvinót	2σ								✓			✓			✓		-ot	
2;05.28	lion	T	aryé	arayót	2σ									✓			✓		✓		-ot	
2;05.28	bunny	T	fafán	ffani m	2σ								✓			✓	✓		✓		-im	
2;05.28	carrot	T	gézer	gzari m	2σ					✓						✓	✓	✓	✓		-im	
2;05.28	cake	T	ugá	ugót	2σ								✓			✓			✓		-ot	
2;05.28	zebra	T	zébra	zébrot	2σ						✓				✓				✓		-ot	
2;05.28	window	T	xalón	xalonót	2σ								✓			✓	✓				-ot	
2;05.28	baby	T	tinók	tinokót	2σ								✓			✓	✓				-ot	
2;05.28	piano	T	psantér	psanteri m	2σ								✓			✓	✓				-im	
2;05.28	mouse	T	axbár	axbari m	2σ								✓			✓	✓				-im	
2;05.28	picture	T	tmuná	tmunót	2σ									✓		✓			✓		-ot	
2;05.28	plastic bag	T	saki t	sakiót	2σ						✓					✓	✓		✓		-ot	
2;05.28	shirt	T	xulcá	xulcót	2σ								✓			✓			✓		-ot	
2;05.28	camel	T	gamál	gmali m	2σ								✓			✓	✓		✓		-im	
2;05.28	stone	T	éven	avani m	2σ					✓						✓	✓	✓			-im	
2;05.28	sweater	T	svéder	svéderim	2σ					✓				✓							-im	
2;05.28	chewing gum	T	mástik	mástikim	2σ					✓				✓							-im	
2;05.28	cat	T	xatúl	xatuli m	2σ								✓			✓	✓				-im	
2;05.28	bracelet	T	camí d	cmidi m	2σ								✓			✓	✓		✓		-im	
2;06.06	sock	T	gérev	garbáim	2σ					✓					✓		✓	✓	✓		-aim	
2;06.06	shoe	T	ná.al	na.aláim	2σ					✓					✓		✓				-aim	
2;06.06	painting	T	ciyúr	ciyuri m	2σ								✓			✓	✓				-im	
2;06.06	pants	T	mixnás	mixnasáim	2σ								✓			✓	✓				-aim	
2;06.12	eye	T	áin	eináim	2σ					✓					✓		✓	✓			-aim	
2;06.12	gate	T	fáar	feari m	2σ					✓						✓	✓	✓			-im	
2;06.12	tower	T	migdál	migdali m	2σ								✓			✓	✓				-im	
2;06.12	glass	T	zxuxi t	zxuxiót	2σ								✓			✓	✓		✓		-ot	
2;06.12	balloon	T	balón	baloni m / balónim	2σ								✓			✓	✓	✓			-im	
2;06.12	wound	T	péca	pcai m	2σ						✓					✓	✓		✓		-im	
2;06.12	fox	T	fuál	fuali m	2σ								✓			✓	✓				-im	
2;06.12	bed	T	mitá	mitót	2σ									✓		✓			✓		-ot	
2;06.12	dwarf	T	gamád	gamadi m	2σ								✓			✓	✓				-im	
2;06.12	car	T	óto	ótoim	2σ						✓				✓						-im	
2;06.12	dog	T	kélev	klavi m	2σ					✓						✓	✓	✓	✓		-im	

2;06.12	tractor	T	tráktor	tráktorim	2σ					✓				✓						-im		
2;06.12	ball	T	kadúr	kaduri m	2σ							✓		✓		✓	✓			-im		
2;06.12	cloud	T	anán	anani m	2σ							✓				✓	✓			-im		
2;06.12	drop	T	tipá	tipót	2σ								✓			✓			✓	-ot		
2;06.12	ice cream	T	glí da	glí dot	2σ					✓					✓				✓	-ot		
2;06.12	pepper	T	pí lpel	pí lpelim	2σ					✓				✓						-im		
2;06.12	cheese	T	gvíná	gvínót	2σ								✓			✓			✓	-ot		
2;06.12	lion	T	aryé	arayót	2σ								✓			✓			✓		-ot	
2;06.12	rabbit	T	ʔarnáv	ʔarnavót / ʔarnavi m	2σ							✓				✓	✓			-im /- ot		
2;06.12	carrot	T	gézer	gzari m	2σ					✓						✓	✓		✓	-im		
2;06.12	bunny	T	ʃafán	ʃfani m	2σ							✓				✓	✓		✓	-im		
2;06.12	cake	T	ugá	ugót	2σ								✓			✓			✓	-ot		
2;06.12	zebra	T	zèbra	zébrot	2σ					✓					✓				✓	-ot		
2;06.12	window	T	xalón	xalonót	2σ								✓			✓	✓				-ot	
2;06.12	baby	T	tinók	tinokót	2σ								✓			✓	✓				-ot	
2;06.12	piano	T	psantér	psanteri m	2σ								✓			✓	✓			-im		
2;06.12	mouse	T	axbár	axbari m	2σ								✓			✓	✓			-im		
2;06.12	plastic bag	T	saki t	sakiót	2σ						✓					✓	✓		✓	-ot		
2;06.12	shirt	T	xulcá	xulcót	2σ									✓		✓			✓	-ot		
2;06.12	camel	T	gamál	gmali m	2σ								✓			✓	✓		✓	-im		
2;06.12	stone	T	éven	avani m	2σ					✓						✓	✓		✓		-im	
2;06.12	sweater	T	svéder	svéderim	2σ					✓				✓						-im		
2;06.12	house	T	báit	bati m	2σ					✓						✓	✓		✓	-im		
2;06.19	bottle	T	bakbúk	bakbuki m	2σ								✓			✓	✓			-im		
2;06.19	eye	T	áin	eináim	2σ					✓					✓		✓		✓			-aim
2;06.19	ear	T	ózen	oznáim	2σ					✓					✓		✓		✓			-aim
2;06.29	sock	T	gérev	garbáim	2σ					✓					✓		✓		✓			-aim
2;06.29	picture	T	tmuná	tmunót	2σ								✓			✓			✓	-ot		
2;06.29	duck	T	barváz	barvazi m	2σ								✓			✓	✓			-im		
2;06.29	cat	T	xatul	xatuli m	2σ								✓			✓	✓			-im		
2;06.29	tower	T	migdál	migdali m	2σ								✓			✓	✓			-im		
2;06.29	bird	T	cipór	cipori m	2σ								✓			✓	✓				-im	
2;07.19	glitter	T	nácnac	nácnacim	2σ					✓				✓						-im		
2;07.19	foot	T	régel	ragláim	2σ					✓					✓		✓		✓			-aim
2;07.19	color	T	céva	cvai m	2σ						✓					✓	✓		✓	-im		
2;07.19	shape	T	curá	curót	2σ								✓				✓		✓	-ot		
2;08.02	shoe	T	ná.al	na.aláim	2σ					✓					✓		✓					-aim
2;08.02	flower	T	pérax	praxi m	2σ					✓						✓	✓		✓	-im		
2;08.02	foot	T	régel	ragláim	2σ					✓					✓		✓		✓			-aim
2;08.02	ear	T	ózen	oznáim	2σ					✓					✓		✓		✓			-aim
2;08.02	stick	T	makél	maklót	2σ								✓			✓	✓		✓		-ot	
2;08.02	picture	T	tmuná	tmunót	2σ								✓			✓			✓	-ot		
2;08.02	foot	T	régel	ragláim	2σ					✓					✓		✓		✓			-aim
2;08.02	circle	T	ígul	iguli m	2σ								✓			✓	✓			-im		
2;08.02	eye	T	áin	eináim	2σ					✓					✓		✓		✓			-aim
2;08.19	cow	T	pará	parót	2σ									✓		✓			✓	-ot		
2;08.19	animal	T	xayá	xayót	2σ									✓		✓			✓	-ot		

2;08.19	under-wear	T	taxtón	taxtoní m	2σ							✓				✓	✓			-im		
2;08.19	pants	T	mixnás	mixnasáim	2σ							✓			✓		✓					-aim
2;08.19	flower	T	pérax	praxí m	2σ					✓						✓	✓		✓	-im		
2;08.19	apple	T	tapúax	tapuxí m	2σ					✓						✓	✓		✓	-im		
2;08.19	cat	T	xatúl	xatulí m	2σ							✓				✓	✓			-im		
2;08.19	tail	T	zanáv	znavót	2σ							✓				✓	✓		✓		-ot	
2;08.19	part	T	xélek	xalaki m	2σ					✓						✓	✓	✓		-im		
2;08.19	eye	T	áin	eináim	2σ					✓					✓		✓	✓				-aim
2;08.19	ear	T	ózen	oznáim	2σ					✓					✓		✓		✓			-aim
2;08.19	ice cream	T	glí da	glí dot	2σ				✓						✓				✓	-ot		
2;08.19	ball	T	kadúr	kadurí m	2σ							✓				✓	✓			-im		
2;08.19	corn	T	tí ras	tí rasim	2σ				✓					✓						-im		
2;08.19	friend	T	xavér	xaverí m	2σ							✓				✓	✓			-im		
2;08.19	doll	T	bubá	bubót	2σ								✓				✓		✓	-ot		
2;08.19	game	T	mixxák	mixxaki m	2σ							✓				✓	✓			-im		
2;08.19	baby	T	tinók	tinokót	2σ							✓				✓	✓				-ot	
2;08.19	flower	T	pérax	praxí m	2σ				✓							✓	✓		✓	-im		
2;9.06	friend	T	xavér	xaverí m	2σ							✓				✓	✓			-im		
2;9.06	thunder	T	barák	braki m	2σ							✓				✓	✓		✓	-im		
2;9.06	shoe	T	ná.al	na.aláim	2σ				✓						✓		✓					-aim
2;9.06	drop	T	tipá	tipót	2σ								✓			✓			✓	-ot		
2;9.06	part	T	xélek	xalaki m	2σ				✓							✓	✓	✓		-im		
2;9.06	dwarf	T	gamád	gamadi m	2σ							✓				✓	✓			-im		
2;9.13	eye	T	áin	eináim	2σ				✓						✓		✓	✓				-aim
2;9.13	puzzle	T	pázel	pázelim	2σ				✓					✓						-im		
2;09.17	sweet	T	mamták	mamtaki m	2σ							✓				✓	✓			-im		
2;09.17	glitter	T	nácnac	nácnacim	2σ				✓					✓						-im		
2;09.17	pants	T	mixnás	mixnasáim	2σ							✓			✓		✓					-aim
2;09.17	child	T	yéled	yeladi m	2σ				✓							✓	✓	✓		-im		
2;09.17	dwarf	T	gamád	gamadi m	2σ							✓				✓	✓			-im		
2;09.17	part	T	xélek	xalaki m	2σ				✓							✓	✓	✓		-im		
2;09.17	game	T	mixxák	mixxaki m	2σ							✓				✓	✓			-im		
2;09.17	feather	T	nocá	nocót	2σ								✓			✓			✓	-ot		
2;09.28	shoe	T	ná.al	na.aláim	2σ				✓						✓		✓					-aim
2;09.28	sock	T	gérev	garbáim	2σ				✓						✓		✓	✓	✓			-aim
2;09.28	color	T	céva	cvai m	2σ					✓						✓	✓		✓	-im		
2;09.28	ear	T	ózen	oznáim	2σ				✓						✓		✓		✓			-aim
2;09.28	cloud	T	anán	anani m	2σ							✓				✓	✓			-im		
2;09.28	tail	T	zanáv	znavót	2σ							✓				✓	✓		✓		-ot	
2;09.28	foot	T	régel	ragláim	2σ				✓						✓		✓	✓	✓			-aim
2;09.28	pin	T	siká	sikót	2σ								✓			✓			✓	-ot		
2;09.28	window	T	xalón	xalonót	2σ							✓				✓	✓				-ot	
2;10.03	flower	T	pérax	praxí m	2σ				✓							✓	✓		✓	-im		
2;10.03	stone	T	éven	avani m	2σ				✓							✓	✓	✓		-im		
2;10.03	child	T	yéled	yeladi m	2σ				✓							✓	✓	✓		-im		
2;10.03	shoe	T	ná.al	na.aláim	2σ				✓						✓		✓					-aim
2;10.03	sock	T	gérev	garbáim	2σ				✓						✓		✓	✓	✓			-aim
2;10.03	freckle	T	némeġ	nemaġi m	2σ				✓							✓	✓	✓		-im		
2;10.03	tear	T	dímá	dmaót	2σ								✓			✓	✓		✓	-ot		

2;10.03	drop	T	tipá	tipót	2σ								✓			✓			✓		-ot		
2;10.03	tentacle	T	maxóf	mexofí m	2σ							✓	✓			✓	✓	✓			-im		
2;10.03	bunny	T	fafán	fíani m	2σ							✓				✓	✓			✓	-im		
2;10.03	mouse	T	axbár	axbarí m	2σ							✓				✓	✓				-im		
2;10.03	balloon	T	balón	baloní m / balónim	2σ							✓			✓	✓	✓				-im		
2;10.03	flower	T	pérax	praxí m	2σ				✓							✓	✓			✓	-im		
2;10.03	ice cream	T	glí da	glí dot	2σ				✓		✓					✓				✓	-ot		
2;10.03	wafer	T	váfel	váfílim	2σ				✓							✓				✓	-im		
2;10.03	lion	T	aryé	arayót	2σ								✓			✓				✓		-ot	
2;10.03	under-wear	T	taxtón	taxtoní m	2σ							✓				✓	✓				-im		
2;05.26	scooter	T	kórkinet	kórkinetím / korkinétim	3σ	✓								✓	✓		✓				-im		
2;06.12	scooter	T	kórkinet	kórkinetím / korkinétim	3σ	✓								✓	✓		✓				-im		
2;05.09	cookie	T	ugiyá	ugiyót	3σ								✓			✓				✓	-ot		
2;05.26	tomato	T	agvaniyá	agvaniyót	3σ								✓			✓				✓	-ot		
2;05.26	ham-burger	T	hámburger	hámburgerim	3σ		✓							✓							-im		
2;05.26	whale	T	livyatán	livyatani m	3σ							✓				✓	✓				-im		
2;05.26	airplane	T	avirón	avironi m	3σ							✓				✓	✓				-im		
2;05.26	telephone	T	télefon	télefonim / telefonim	3σ		✓							✓	✓		✓				-im		
2;05.26	piece	T	xatixá	xatixót	3σ								✓			✓				✓	-ot		
2;05.28	spinning-top	T	sevivón	svivoni m	3σ							✓				✓	✓			✓	-im		
2;05.28	key	T	maftéax	maftexót	3σ				✓							✓	✓			✓		-ot	
2;05.28	bathtub	T	ambátya	ambátot	3σ					✓					✓					✓	-ot		
2;05.28	grapefruit	T	efkoli t	efkoliót	3σ					✓						✓	✓			✓	-ot		
2;05.28	train	T	rakévet	rakavót	3σ			✓								✓	✓		✓	✓	-ot		
2;05.28	swing	T	nadnedá	nadnedót	3σ								✓			✓				✓	-ot		
2;05.28	candy	T	sukaryá	sukaryót	3σ								✓			✓				✓	-ot		
2;05.28	stroller	T	agalá	agalót	3σ								✓			✓				✓	-ot		
2;05.28	lamp	T	menorá	menorót	3σ								✓			✓				✓	-ot		
2;06.06	candy	T	sukaryá	sukaryót	3σ								✓			✓				✓	-ot		
2;06.06	block	T	kubiyá	kubiyó t	3σ								✓			✓				✓	-ot		
2;06.06	snail	T	xilazón	xelzonót	3σ							✓				✓	✓	✓		✓		-ot	
2;06.06	stroller	T	agalá	agalót	3σ								✓			✓				✓	-ot		
2;06.12	tomato	T	agvaniyá	agvaniyót	3σ								✓			✓				✓	-ot		
2;06.12	ham-burger	T	hámburger	hámburgerim	3σ		✓							✓							-im		
2;06.12	whale	T	livyatán	livyatani m	3σ							✓				✓	✓				-im		
2;06.12	airplane	T	avirón	avironi m	3σ							✓				✓	✓				-im		
2;06.12	telephone	T	télefon	télefonim / telefonim	3σ		✓							✓	✓		✓				-im		
2;06.12	spinning-top	T	sevivón	svivoni m	3σ							✓				✓	✓			✓	-im		
2;06.12	key	T	maftéax	maftexót	3σ				✓							✓	✓			✓		-ot	
2;06.12	bathtub	T	ambátya	ambátot	3σ					✓					✓					✓	-ot		
2;06.12	grapefruit	T	efkoli t	efkoliót	3σ					✓						✓	✓			✓	-ot		
2;06.12	train	T	rakévet	rakavót	3σ			✓								✓	✓		✓	✓	-ot		
2;06.12	swing	T	nadnedá	nadnedót	3σ								✓			✓				✓	-ot		
2;06.12	candy	T	sukaryá	sukaryót	3σ								✓			✓				✓	-ot		

2;06.12	stroller	T	agalá	agalót	3σ								✓			✓			✓	-ot		
2;06.12	lamp	T	menorá	menorót	3σ								✓			✓			✓	-ot		
2;06.12	stair	T	madregá	madregót	3σ								✓			✓			✓	-ot		
2;06.19	surprise	T	hafta.á	haftaót	3σ								✓			✓			✓	-ot		
2;06.29	block	T	kubiyá	kubiyót	3σ								✓			✓			✓	-ot		
2;06.29	stair	T	madregá	madregót	3σ								✓			✓			✓	-ot		
2;07.19	stair	T	madregá	madregót	3σ								✓			✓			✓	-ot		
2;08.02	rubber band	T	gumiyá	gumiyót	3σ								✓			✓			✓	-ot		
2;08.02	block	T	kubiyá	kubiyót	3σ								✓			✓			✓	-ot		
2;08.19	block	T	kubiyá	kubiyót	3σ								✓			✓			✓	-ot		
2;08.19	umbrella	T	mitriyá	mitriyót	3σ								✓			✓			✓	-ot		
2;08.19	auto-mobile	T	mexoni't	mexoniót	3σ					✓	✓					✓	✓		✓	-ot		
2;08.19	banana	T	banána	banánot	3σ					✓					✓				✓	-ot		
2;9.06	sticker	T	madbeká	madbekót	3σ								✓			✓			✓	-ot		
2;9.06	train	T	rakévet	rakavót	3σ				✓							✓	✓	✓	✓	-ot		
2;9.06	present	T	mataná	matanót	3σ								✓			✓			✓	-ot		
2;09.17	stair	T	madregá	madregót	3σ								✓			✓			✓	-ot		
2;09.28	sticker	T	madbeká	madbekót	3σ								✓			✓			✓	-ot		
2;09.28	dot	T	nekudá	nekudót	3σ								✓			✓			✓	-ot		
2;09.28	sticker	T	madbeká	madbekót	3σ								✓			✓			✓	-ot		
2;09.28	necklace	T	farféret	farferaót	3σ				✓							✓	✓		✓	-ot		
2;10.03	ant	T	nemalá	nemali'm	3σ								✓			✓			✓		-im	
2;10.03	kinder garden teacher	T	ganénet	gananót	3σ				✓							✓	✓	✓	✓	-ot		
2;10.03	stair	T	madregá	madregót	3σ								✓			✓			✓	-ot		
2;10.03	sticker	T	madbeká	madbekót	3σ								✓			✓			✓	-ot		
2;08.19	water-melon	T	avati'ax	avati'xi'm	4σ				✓							✓	✓		✓	-im		

Appendix 4 - Quantitative Target analysis

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of 6 in the sg.	Stress in the sg.										Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
							Ante-Penult.			Penult.			Final				Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim
							Final segment			Final segment			Final segment												
							C		V	C		V	C		V										
							t	a.o		t	a.o		t	a.o		V									
I	1:11.18	tooth	T	fen	finám	1											1			1	1	2			3
	1:05.29	shoe	T	ná.al	na alám	2				1							1			1	2	2			3
	1:07.10	flower	T	pérax	praxi m	2				1									1	2	1	1			
	1:08.27	butterfly	T	parpár	parpari m	2							1					1	1	2	2	1	1		
	1:08.27	sock	T	gére	garbám	2				1							1		1	1	1	1		3	
	1:09.11	shoe	T	ná.al	na alám	2				1							1		1	2	2			3	
	1:09.11	sock	T	gére	garbám	2				1							1		1	1	1	1		3	
	1:09.19	sock	T	gére	garbám	2				1							1		1	1	1	1		3	
	1:09.19	shoe	T	ná.al	na alám	2				1							1		1	2	2			3	
	1:10.00	eye	T	ám	einám	2				1							1		1	1	2			3	
	1:10.00	pants	T	mixnás	mixnasám	2							1				1		1	2	2			3	
	1:10.00	sock	T	gére	garbám	2				1							1		1	1	1			3	
	1:10.00	foot	T	régl	raglám	2				1							1		1	1	1			3	
	1:10.00	pin	T	siká	sikót	2									1			1		2	2	1	2		
	1:10.00	drop	T	típá	típót	2									1			1		2	2	1	2		
	1:10.27	ear	T	ózen	oznám	2				1							1		1	2	1			3	
	1:10.27	foot	T	régl	raglám	2				1							1		1	1	1	1		3	
	1:10.27	shoe	T	ná.al	na alám	2				1							1		1	2	2			3	
	1:10.27	eye	T	ám	einám	2				1							1		1	1	2			3	
	1:10.27	circle	T	ígul	iguli m	2							1					1		2	2	1	1		
	1:11.18	foot	T	régl	raglám	2				1							1		1	1	1	1		3	
	1:11.18	picture	T	tmuná	tmunót	2									1			1		2	2	1	2		
	1:11.25	bird	T	cipór	cipori m	2							1				1		1	2	2		1		
	1:11.25	eye	T	ám	einám	2				1							1		1	1	2			3	
	1:11.25	animal	T	xayá	xayót	2								1				1		2	2	1	2		
	2:00.02	foot	T	régl	raglám	2				1							1		1	1	1			3	
	2:00.02	shoe	T	ná.al	na alám	2				1							1		1	2	2			3	
	2:00.02	pants	T	mixnás	mixnasám	2							1				1		1	2	2			3	
	1:07.10	block	T	kubiyá	kubiyót	3								1				1		2	2	1	2		
	1:09.19	block	T	kubiyá	kubiyót	3							1					1		2	2	1	2		
	1:10.27	block	T	kubiyá	kubiyót	3							1					1		2	2	1	2		
	1:10.27	hair	T	searót	searót	3							1					1		2	2	1	2		
	1:10.27	sticker	T	madbeká	madbekót	3							1					1		2	2	1	2		
	1:11.18	candy	T	sukaryá	sukaryót	3									1			1		2	2	1	2		
	Frequency						1	0	0	0	0	18	0	0	6	10	0	20	14	24	12	20	2	1	0
	Frequency percentage						2.94	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	100.00	#DIV/0!	#DIV/0!	100.00	100.00	#DIV/0!	100.00	100.00	70.59	35.29	58.82	16.67	100.00	0.00
	Frequency						27	0	0	0	0	0	0	0	0	0	0	0	10	22	14	10	0	0	
	Frequency percentage						79.41	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	0.00	0.00	29.41	64.71	41.18	83.33	0.00	0.00
	Frequency						6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
	Frequency percentage						17.65	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
Frequency						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Frequency percentage						0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
II	2:00.09	bear	T	dov	dubi m	1								1				1	1	1	2	1			
	2:00.16	tooth	T	fen	finám	1								1				1		1	1	2	1		
	2:00.16	hand	T	yad	yadám	1								1				1		1	2	2			
	2:01.06	fruit	T	pri	perót	1										1			1	2	2	1			
	2:01.12	dishware	T	kli	keli m	1										1			1	2	2	1			
	2:01.19	fruit	T	pri	perót	1										1			1	2	2	1			
	2:00.09	eye	T	ám	einám	2				1							1		1	1	2				
	2:00.09	circle	T	ígul	iguli m	2								1				1		1	2	2			
	2:00.09	butterfly	T	parpár	parpari m	2								1				1		1	2	2			
	2:00.16	cheek	T	lexi	lexayám	2						1					1		1	1	1				
	2:00.16	eye	T	ám	einám	2				1							1		1	1	2				
	2:00.16	child	T	yéled	yeladi m	2				1								1		1	1	2			
	2:00.16	star	T	koxáv	koxavi m	2								1				1		1	2	2			
	2:00.16	picture	T	tmuná	tmunót	2									1			1		2	2	1			
	2:00.16	boot	T	magáf	magafám	2								1				1		1	2	2			
	2:00.16	pants	T	mixnás	mixnasám	2								1				1		1	2	2			
	2:00.16	foot	T	régl	raglám	2						1					1		1	1	1				
	2:00.26	house	T	báit	bati m	2						1						1		1	2	1			
	2:00.29	picture	T	tmuná	tmunót	2									1				1	2	2	1			
	2:00.29	car	T	óto	ótoim	2						1					1		2	2	2	1			
	2:00.29	shoe	T	ná.al	na alám	2				1							1		1	2	2				
	2:01.06	eye	T	ám	einám	2				1							1		1	1	2				

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of 6 in the sg.	Stress in the sg.										Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix			
							Ante-Penult.			Penult.			Final				Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim	
							Final segment			Final segment			Final segment													
							C	a.o	V	C	a.o	V	C	a.o	V											
							t			t			t													
	2:01.06	foot	T	régel	raglám	2						1					1			1	1	1			3	
	2:01.12	shoe	T	ná al	na alám	2							1				1			1	2	2			3	
	2:01.12	house	T	báit	bait m	2												1		1	2	1	1			
	2:01.12	ear	T	ózen	oznám	2												1		1	2	1			3	
	2:01.12	eye	T	áin	einám	2											1		1	1	1	2			3	
	2:01.19	shoe	T	ná al	na alám	2											1		1	1	2	2			3	
	2:01.19	doll	T	bubá	bubót	2									1			1		2	2	1	2			
	2:01.19	cloud	T	anán	anani m	2								1				1		1	2	2	1			
	2:01.19	animal	T	xavá	xavót	2									1			1		2	2	2	2			
	2:01.19	bee	T	dvorá	dvorí m	2									1			1		2	2	1		1		
	2:01.19	lion	T	arayé	arayót	2									1			1		2	2	1		2		
	2:01.19	bird	T	cipór	ciporí m	2										1			1		1	2	2		1	
	2:00.09	candy	T	sukaryá	sukaryót	3									1			1		2	2	1	2			
	2:00.16	candy	T	sukaryá	sukaryót	3									1			1		2	2	1	2			
	2:00.29	ant	T	nemalí	nemali m	3									1			1		2	2	1		1		
	2:00.29	bus	T	otobus	otobúsím	3		1										1		1	2	2	1			
	2:00.29	stair	T	madregá	madregót	3									1			1		2	2	1	2			
	2:01.06	sticker	T	madbeká	madbekót	3									1			1		2	2	1	2			
	2:01.12	candy	T	sukaryá	sukaryót	3									1			1		2	2	1	2			
	2:01.12	rubber band	T	gumiyá	gumiyót	3										1			1		2	2	1	2		
	2:01.12	hair	T	seará	searót	3										1			1		2	2	1	2		
Frequency						6	0	1	0	2	11	2	0	10	17	1	16	26	25	10	22	11	3	0		
Frequency percentage						13.95	#DIV/0!	100.00	#DIV/0!	100.00	100.00	100.00	#DIV/0!	100.00	100.00	100.00	100.00	58.14	23.26	51.16	50.00	50.00	50.00	0.00		
Frequency						26	0	0	0	0	0	0	0	0	0	0	0	0	16	33	21	11	3	0		
Frequency percentage						65.12	#DIV/0!	0.00	#DIV/0!	0.00	0.00	0.00	#DIV/0!	0.00	0.00	0.00	0.00	0.00	41.86	76.74	46.84	50.00	50.00	0.00		
Frequency						9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	
Frequency percentage						20.93	#DIV/0!	0.00	#DIV/0!	0.00	0.00	0.00	#DIV/0!	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00		
Frequency						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Frequency percentage						0.00	#DIV/0!	0.00	#DIV/0!	0.00	0.00	0.00	#DIV/0!	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
III	2:02.18	bear	T	dov	dubi m	1								1				1	1	1	2	1				
	2:02.24	fish	T	dag	dagi m	1								1				1	1	1	2	2	1			
	2:02.24	hand	T	yad	yadám	1								1			1		1	2	2			3		
	2:02.24	tooth	T	fen	finám	1								1			1		1	1	2			3		
	2:02.24	dishware	T	kli	keli m	1									1			1	2	2	1	1				
	2:03.01	fish	T	dag	dagi m	1								1				1	1	2	2	2	1			
	2:03.01	dishware	T	kli	keli m	1									1			1	2	2	1	1				
	2:03.01	person	T	if	anafi m	1								1				1	1	1	1	1	1			
	2:03.14	hand	T	yad	yadám	1								1			1		1	2	2			3		
	2:04.05	hand	T	yad	yadám	1								1			1		1	2	2			3		
	2:04.12	hand	T	yad	yadám	1								1			1		1	2	2			3		
	2:01.27	glitter	T	nácnac	nácnacim	2				1						1			2	2	2	1				
	2:01.27	butterfly	T	parpár	parparí m	2								1				1	1	2	2	2	1			
	2:01.27	story	T	sipúr	sipurí m	2								1				1	1	2	2	2	1			
	2:02.04	bracelet	T	camí d	cmidi m	2								1				1	1	2	1	1				
	2:02.04	eye	T	áin	einám	2				1							1		1	1	2			3		
	2:02.11	animal	T	xavá	xavót	2									1			1	2	2	1	2				
	2:02.11	mouse	T	axbár	axbarí m	2								1				1	1	2	2	2	1			
	2:02.18	flower	T	pérax	praxi m	2				1								1	1	2	1	1				
	2:02.18	cat	T	xatul	xatulí m	2								1				1	1	2	2	1				
	2:02.18	sock	T	gêrev	garbám	2				1							1		1	1	1			1	3	
	2:02.18	bird	T	cipór	ciporí m	2									1				1	1	2	2			1	
	2:02.18	painting	T	ciyúr	ciyurí m	2									1				1	1	2	2	2	1		
	2:02.24	story	T	sipúr	sipurí m	2									1				1	1	2	2	2	1		
	2:02.24	book	T	séfer	séferi m	2					1							1	1	1	1	1	1	1		
	2:02.24	child	T	yéled	yeladi m	2					1							1	1	1	2	1	2	1		
	2:02.24	color	T	céva	cvai m	2						1						1	1	2	1	1	1			
	2:02.24	tentacle	T	moxó f	mexofi m	2								1				1	1	1	2	2	1			
	2:02.24	foot	T	régel	raglám	2				1								1		1	1	1	1		3	
	2:03.01	butterfly	T	parpár	parparí m	2									1				1	1	2	2	2	1		
	2:03.01	doll	T	bubá	bubót	2									1	1			1	2	2	1	2			
	2:03.01	shoe	T	ná al	na alám	2				1								1		1	2	2			3	
	2:03.01	girl	T	yaidí	yeladót	2									1			1	2	1	1	1	2			
	2:03.01	eye	T	áin	einám	2				1								1		1	1	2			3	
	2:03.01	part	T	xélek	xalaki m	2				1									1	1	1	2	1			
	2:03.14	color	T	céva	cvai m	2						1						1	1	2	1	1	1			
	2:03.14	mouse	T	axbár	axbarí m	2									1			1	1	2	2	2	1			

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of 6 in the sg.	Stress in the sg.							Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix					
							Ante-Penult.			Penult.			Final							Ante- Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.	-aim
							Final segment			Final segment			Final segment												
							C	a.o	V	C	a.o	V	C	a.o	V										
							t	a.o	V	t	a.o	V	t	a.o	V										
	2:03.14	flower	T	pérax	praxi m	2					1						1	1	2	1	1				
	2:03.14	cloud	T	anán	anani m	2								1			1	1	2	2	1	1			
	2:03.14	eye	T	áin	eináim	2					1						1	1	1	2	1		3		
	2:03.14	foot	T	régl	ragláim	2					1						1	1	1	1	1		3		
	2:03.14	animal	T	xavá	xayót	2									1		1	2	2	1	2				
	2:03.22	picture	T	imuná	imunót	2									1		1	2	2	1	2				
	2:03.22	shoe	T	ná al	na aláim	2					1						1	1	2	2	1	2		3	
	2:03.22	hat	T	kóva	kovai m	2						1					1	1	2	2	1				
	2:03.22	cat	T	xatúl	xatuli m	2								1			1	1	2	2	1				
	2:03.22	foot	T	régl	ragláim	2					1						1	1	1	1	1		3		
	2:03.22	doll	T	bubá	bubót	2									1		1	2	2	1	2				
	2:03.22	pin	T	siká	sikót	2									1		1	2	2	1	2				
	2:03.28	eye	T	áin	eináim	2					1						1	1	1	2	1		3		
	2:03.28	color	T	céva	cvai m	2						1					1	1	2	1	1				
	2:03.28	snake	T	naxáf	nexafi m	2								1			1	1	1	2	1				
	2:03.28	tentacle	T	maxóf	mexofi m	2								1			1	1	1	2	1				
	2:03.28	wing	T	kanáf	knaíam	2								1			1	2	1	1	1		3		
	2:03.28	bubble	T	buá	buót	2									1		1	2	2	1	2				
	2:04.05	stuff	T	davár	dvari m	2								1			1	1	2	1	1				
	2:04.05	circle	T	igúl	iguli m	2								1			1	1	2	2	1				
	2:04.05	doll	T	bubá	bubót	2									1		1	2	2	1	2				
	2:04.05	animal	T	xavá	xayót	2									1		1	2	2	1	2				
	2:04.05	bird	T	cipór	cipori m	2								1			1	1	2	2	1		1		
	2:04.12	eye	T	áin	eináim	2					1						1	1	1	2			3		
	2:04.12	baby	T	tinók	tinokót	2								1			1	1	2	2			2		
	2:04.12	wet wipes	T	magvón	magvoni m	2								1			1	1	2	2	1				
	2:04.12	doll	T	bubá	bubót	2									1		1	2	2	1	2				
	2:04.19	star	T	koxáv	koxavi m	2								1			1	1	2	2	1				
	2:04.19	shoe	T	ná al	na aláim	2					1						1	1	2	2	1		3		
	2:04.19	sweet	T	mamták	mamtaí m	2								1			1	1	2	2	1				
	2:04.19	stuff	T	davár	dvari m	2								1			1	1	2	1	1				
	2:02.04	rubber band	T	gumiyá	gumiyót	3										1		1	2	2	1	2			
	2:02.24	key	T	maífax	maíflexót	3					1						1	1	2	1	1		2		
	2:03.01	ponytail holder	T	kukiyá	kukiyót	3									1		1	2	2	1	2				
	2:03.14	sticker	T	madbeká	madbekót	3									1		1	2	2	1	2				
	2:03.22	block	T	kubiyá	kubiyót	3									1		1	2	2	1	2				
	2:03.22	rubber band	T	gumiyá	gumiyót	3									1		1	2	2	1	2				
	2:04.05	candy	T	sukaryá	sukaryót	3									1		1	2	2	1	2				
	2:04.05	giraffe	T	djiráfá	djiráfót	3						1					1	2	2	1	2				
	2:04.12	ring	T	tabaát	tabaót	3					1						1	1	2	1	2				
	2:04.12	ponytail holder	T	kukiyá	kukiyót	3									1		1	2	2	1	2				
	2:04.19	candy	T	sukaryá	sukaryót	3									1		1	2	2	1	2				
	2:04.19	block	T	kubiyá	kubiyót	3									1		1	2	2	1	2				
Frequency						11	0	0	0	1	19	5	0	33	22	1	19	60	56	19	40	36	2	0	
Frequency percentage						13.75	#DIV/0!	#DIV/0!	#DIV/0!	100.00	100.00	100.00	#DIV/0!	100.00	100.00	100.00	50.00	100.00	70.00	23.75	50.00	62.07	50.00	0.00	
Frequency						67	0	0	0	0	0	0	0	0	0	0	0	24	61	40	22	2	0		
Frequency percentage						71.25	#DIV/0!	#DIV/0!	#DIV/0!	0.00	0.00	0.00	#DIV/0!	0.00	0.00	0.00	0.00	30.00	76.25	50.00	37.93	50.00	0.00		
Frequency						12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16		
Frequency percentage						15.00	#DIV/0!	#DIV/0!	#DIV/0!	0.00	0.00	0.00	#DIV/0!	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00		
Frequency						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Frequency percentage						0.00	#DIV/0!	#DIV/0!	#DIV/0!	0.00	0.00	0.00	#DIV/0!	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
IV	2:05.09	tree	T	ec	eci m	1								1			1	1	2	2	1				
	2:05.09	sound	T	kol	kolót	1								1			1	1	2	2	1		2		
	2:05.09	popsicle	T	flák	fláim	1									1		1	2	2	2	1				
	2:05.09	turtle	T	cav	cavi m	1									1		1	1	2	2	1				
	2:05.15	light	T	or	orót	1								1			1	1	2	2	1		2		
	2:05.26	bucket	T	dli	dli m	1									1		1	2	1	2	1				
	2:05.26	mouth	T	nc	naót	1									1		1	1	1	2	1		2		
	2:05.26	road	T	kvíj	kvíji m	1									1		1	1	2	2	1				
	2:05.26	person	T	íj	anafi m	1									1		1	1	1	1	1				
	2:05.28	candle	T	ner	nerót	1									1		1	1	2	2	1		2		
	2:05.28	fish	T	dag	dagi m	1									1		1	1	2	2	1				
	2:06.06	light	T	or	orót	1									1			1	1	2	2	1		2	
	2:06.06	hand	T	yad	yadám	1									1			1	2	2				3	
2:06.12	bucket	T	dli	dli m	1										1		1	2	1	2	1				

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of 6 in the sg.	Stress in the sg.									Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
							Ante-Penult.			Penult.			Final			Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim
							Final segment		V	Final segment		V	Final segment		V									
							C	a.o		C	a.o		C	a.o										
	2:06.12	mouth	T	pe	piót	1	t	a.o	V	t	a.o	V	t	a.o	V	1		1	1	1	2	1	2	
	2:06.12	road	T	kvj	kvjfi m	1							1			1	1	1	2	2	1			
	2:06.12	fish	T	dag	dagi m	1							1			1	1	2	2	2	1			
	2:06.12	person	T	if	anafi m	1							1			1	1	1	1	1	1			
	2:06.29	hand	T	yad	yadaim	1							1			1	1	2	2	2		3		
	2:06.29	drinking glass	T	kos	kosót	1							1			1	1	2	2	2	2			
	2:08.02	hand	T	yad	yadaim	1							1			1	1	2	2	2		3		
	2:08.19	hand	T	yad	yadaim	1							1			1	1	2	2	2		3		
	2:08.19	line	T	kav	kavi m	1							1			1	1	2	2	2	1			
	2:08.19	card	T	klaf	klafi m	1							1			1	1	2	2	2	1			
	2:08.19	drinking glass	T	kos	kosót	1							1			1	1	2	2	2	2			
	2:08.19	fish	T	dag	dagi m	1							1			1	1	2	2	2	1			
	2:08.19	hand	T	yad	yadaim	1							1			1	1	2	2	2		3		
	2:9.06	song	T	fir	firi m	1							1			1	1	2	2	2	1			
	2:09.17	tooth	T	fen	finaim	1							1			1	1	1	2	2		3		
	2:09.17	hand	T	yad	yadaim	1							1			1	1	2	2	2		3		
	2:09.28	card	T	klaf	klafi m	1							1			1	1	2	2	2	1			
	2:09.28	straw-berry	T	tut	tútím	1							1			1	1	2	2	2	1			
	2:10.03	person	T	if	anafi m	1							1			1	1	1	1	1	1			
	2:10.03	dishware	T	kli	keli m	1							1			1	2	2	1	1	1			
	2:04.25	friend	T	xavér	xaveri m	2							1			1	1	2	2	2	1			
	2:04.25	zebra	T	zebra	zébrot	2				1						1	2	2	1	2				
	2:04.25	cat	T	xatúl	xatuli m	2							1			1	1	2	2	2	1			
	2:04.25	doll	T	bubá	bubót	2							1			1	2	2	1	2				
	2:04.25	eye	T	áin	einaim	2				1						1	1	1	2	2		3		
	2:04.25	number	T	mispár	mispári m	2							1			1	1	2	2	2	1			
	2:04.25	animal	T	xayá	xayót	2							1			1	2	2	1	2				
	2:05.09	sock	T	gêrev	garbaim	2				1						1	1	1	1	1		3		
	2:05.09	mouse	T	axbár	axbari m	2							1			1	1	2	2	2	1			
	2:05.09	color	T	çeva	çvai m	2				1						1	1	2	1	1				
	2:05.09	bird	T	çipór	çipori m	2							1			1	1	2	2	2		1		
	2:05.09	bee	T	dvorá	dvori m	2							1			1	2	2	1			1		
	2:05.09	cloud	T	anán	anani m	2							1			1	1	2	2	2	1			
	2:05.09	flower	T	pérax	praxi m	2				1						1	1	2	1	1				
	2:05.09	eye	T	áin	einaim	2				1						1	1	1	2			3		
	2:05.09	lion	T	aryé	arayót	2							1			1	2	2	1		2			
	2:05.09	branch	T	anáť	anafi m	2							1			1	1	2	2	2	1			
	2:05.09	foot	T	régel	raglaim	2				1						1	1	1	1			3		
	2:05.09	dog	T	kelev	klavi m	2				1						1	1	1	1	1	1			
	2:05.09	cat	T	xatúl	xatuli m	2							1			1	1	2	2	2	1			
	2:05.09	carrot	T	gêzer	gzari m	2				1						1	1	1	1	1	1			
	2:05.09	child	T	yeled	yeladi m	2				1						1	1	1	1	2	1			
	2:05.09	shirt	T	sulcá	sulcót	2							1			1	2	2	1	2				
	2:05.09	wound	T	péca	pcai m	2							1			1	1	2	1	1				
	2:05.09	book	T	séfer	sfari m	2				1						1	1	1	1	1	1			
	2:05.09	baby	T	tinók	tinokót	2							1			1	1	2	2			2		
	2:05.15	shoe	T	ná al	na alim	2				1						1	1	2	2			3		
	2:05.15	sock	T	gêrev	garbaim	2				1						1	1	1	1					
	2:05.26	eye	T	áin	einaim	2				1						1	1	1	2			3		
	2:05.26	book	T	séfer	sfari m	2				1						1	1	1	1	1	1			
	2:05.26	sock	T	gêrev	garbaim	2				1						1	1	1	1	1		3		
	2:05.26	part	T	šelek	salaki m	2				1						1	1	1	2	2	1			
	2:05.26	gate	T	šaar	šeari m	2				1						1	1	1	2	2	1			
	2:05.26	tower	T	migdál	migdali m	2							1			1	1	2	2	2	1			
	2:05.26	glass	T	zxuxi t	zxuxiót	2							1			1	1	2	1	2				
	2:05.26	balloon	T	balón	baloni m / balonim	2							1			1	1	2	2	2	1			
	2:05.26	wound	T	péca	pcai m	2				1						1	1	2	1	1	1			
	2:05.26	fox	T	fuál	fuali m	2							1			1	1	2	2	2	1			
	2:05.26	bed	T	mitá	mitót	2							1			1	2	2	1	2				
	2:05.26	dwarf	T	gamád	gamadi m	2							1			1	1	2	2	2	1			
	2:05.26	car	T	óto	otoim	2										1	2	2	2	2	1			
	2:05.26	dog	T	kelev	klavi m	2				1						1	1	1	1	1	1			
	2:05.26	tractor	T	tráktor	tráktorim	2				1						1	2	2	2	2	1			
	2:05.26	ball	T	kadúr	kaduri m	2							1			1	1	2	2	2	1			

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of 6 in the sg.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
							Ante-Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim
							Final segment		Final segment		Final segment										
							C	V	C	V	C	V									
t	a.o	t	a.o	V	t	a.o	V														
2:05.26	cloud	T	anán	anani m	2					1				1	1	2	2	1			
2:05.26	ice cream	T	gli da	gli dot	2									1		2	2	1	2		
2:05.26	foot	T	régel	raglám	2			1		1				1		1	1	1		3	
2:05.26	dress	T	simlá	smalót	2										1	2	2	1	2		
2:05.26	mouse	T	axbár	axbari m	2						1				1	1	2	2	1		
2:05.26	picture	T	tmuná	tmunót	2							1			1	2	2	1	2		
2:05.28	ice cream	T	gli da	gli dot	2				1					1		2	2	1	2		
2:05.28	game	T	missák	missaki m	2					1				1	1	2	2	1			
2:05.28	sock	T	gére																		

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of 6 in the sg.	Stress in the sg.							Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix				
							Ante-Penult.			Penult.			Final			Ante- Penult. / Pre-Ante Penult.				Penult.	Final	Reg.	Irreg.	-aim
							Final segment			Final segment			Final segment											
							C	a.o	V	C	a.o	V	C	a.o	V									
	2:06.12	stone	T	éven	avani m	2	t	a.o	V	t	a.o	V			1	1	1	2	1					
	2:06.12	sweater	T	svéder	svéderim	2				1				1		2	2	2	1					
	2:06.12	house	T	báit	baiti m	2	1								1	1	2	1	1					
	2:06.19	bottle	T	bakbúk	bakbúkí m	2					1				1	1	2	2	1					
	2:06.19	eye	T	áin	eináim	2					1				1	1	1	2		3				
	2:06.19	ear	T	ózen	oznáim	2					1				1	1	2	1		3				
	2:06.29	sock	T	géreç	garbáim	2					1				1	1	1	1		3				
	2:06.29	picture	T	tmuná	tmunót	2						1			1	2	2	1	2					
	2:06.29	duck	T	barváz	barvasi m	2						1			1	1	2	2	1					
	2:06.29	cat	T	xatúl	xatulí m	2						1			1	1	2	2	1					
	2:06.29	tower	T	migdál	migdali m	2						1			1	1	2	2	1					
	2:06.29	bird	T	cipór	ciporí m	2						1			1	1	2	2		1				
	2:07.19	glitter	T	nácnac	nácnacim	2					1			1		2	2	2	1					
	2:07.19	foot	T	régel	ragláim	2					1				1	1	1	1		3				
	2:07.19	color	T	céva	cvai m	2				1					1	1	2	1	1					
	2:07.19	shape	T	curá	curót	2							1		1	2	2	1	2					
	2:08.02	shoe	T	ná.al	na aláim	2					1				1	1	2	2		3				
	2:08.02	flower	T	pérax	praxi m	2					1					1	2	1	1					
	2:08.02	foot	T	régel	ragláim	2					1				1	1	1	1		3				
	2:08.02	ear	T	ózen	oznáim	2					1				1	1	2	1		3				
	2:08.02	stick	T	makél	maklot	2							1			1	1	2	1	2				
	2:08.02	picture	T	tmuná	tmunót	2							1		1	2	2	1	2					
	2:08.02	foot	T	régel	ragláim	2					1				1	1	1	1		3				
	2:08.02	circle	T	igúl	iguli m	2							1		1	1	2	2	1					
	2:08.02	eye	T	áin	eináim	2					1				1	1	1	2		3				
	2:08.19	cow	T	pará	parót	2							1		1	2	2	1	2					
	2:08.19	animal	T	xayá	xayót	2							1		1	2	2	1	2					
	2:08.19	under-wear	T	taxtón	taxtoní m	2							1		1	1	2	2	1					
	2:08.19	pants	T	mixnás	mixnasám	2							1		1	1	2	2		3				
	2:08.19	flower	T	pérax	praxi m	2					1				1	1	2	1	1					
	2:08.19	apple	T	tapúax	tapuxi m	2					1				1	1	2	1	1					
	2:08.19	cat	T	xatúl	xatulí m	2							1		1	1	2	2	1					
	2:08.19	tail	T	zanáv	znavót	2							1		1	1	2	1		2				
	2:08.19	part	T	xélek	xalaki m	2					1				1	1	1	2	1					
	2:08.19	eye	T	áin	eináim	2					1				1	1	1	2		3				
	2:08.19	ear	T	ózen	oznáim	2					1				1	1	2	1		3				
	2:08.19	ice cream	T	gli da	gli dot	2				1					1	2	2	1	2					
	2:08.19	ball	T	kadúr	kaduri m	2							1			1	2	2	1					
	2:08.19	corn	T	tí ras	tí rasim	2					1			1		2	2	2	1					
	2:08.19	friend	T	xavér	xaverí m	2							1			1	1	2	2	1				
	2:08.19	doll	T	bubá	bubót	2								1		1	2	2	1	2				
	2:08.19	game	T	mixsák	mixsaki m	2							1		1	1	2	2	1					
	2:08.19	baby	T	tinók	tinokót	2							1		1	1	2	2		2				
	2:08.19	flower	T	pérax	praxi m	2					1				1	1	2	1	1					
	2:9.06	friend	T	xavér	xaverí m	2							1		1	1	2	2	1					
	2:9.06	thunder	T	barák	braki m	2							1		1	1	2	1	1					
	2:9.06	shoe	T	ná.al	na aláim	2					1				1	1	2	2		3				
	2:9.06	drop	T	tipá	tipót	2							1			1	2	2	1	2				
	2:9.06	part	T	xélek	xalaki m	2					1				1	1	1	2	1					
	2:9.06	dwarf	T	gamád	gamadi m	2							1		1	1	2	2	1					
	2:9.13	eye	T	áin	eináim	2					1				1	1	1	2		3				
	2:9.13	puzzle	T	pázel	pázelim	2					1			1		2	2	2	1					
	2:09.17	sweet	T	mamták	mamtaki m	2							1		1	1	2	2	1					
	2:09.17	glitter	T	nácnac	nácnacim	2					1			1		2	2	2	1					
	2:09.17	pants	T	mixnás	mixnasám	2							1		1	1	2	2		3				
	2:09.17	child	T	yéled	yeladi m	2					1				1	1	1	2	1					
	2:09.17	dwarf	T	gamád	gamadi m	2							1		1	1	2	2	1					
	2:09.17	part	T	xélek	xalaki m	2					1				1	1	1	2	1					
	2:09.17	game	T	mixsák	mixsaki m	2							1		1	1	2	2	1					
	2:09.17	feather	T	nocá	nocót	2							1		1	2	2	1	2					
	2:09.28	shoe	T	ná.al	na aláim	2					1				1	1	2	2		3				
	2:09.28	sock	T	géreç	garbáim	2					1				1	1	1	1		3				
	2:09.28	color	T	céva	cvai m	2				1					1	1	2	1	1					
	2:09.28	ear	T	ózen	oznáim	2					1				1	1	2	1		3				

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of 6 in the sg.	Stress in the sg.										Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
							Ante-Penult.			Penult.			Final				Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim
							Final segment			Final segment			Final segment												
							C		V	C		V	C		V										
							t	a.o		t	a.o		t	a.o											
	2:09.28	cloud	T	anán	anani m	2								1				1	1	2	2	1			
	2:09.28	tail	T	zanáv	znávót	2								1				1	1	2	1		2		
	2:09.28	foot	T	régel	raglám	2				1							1	1	1	1				3	
	2:09.28	pin	T	siká	sikót	2										1		1	2	2	1	2			
	2:09.28	window	T	sakón	sakonót	2							1					1	1	2	2		2		
	2:10.03	flower	T	pérax	praxi m	2				1								1	1	2	1	1			
	2:10.03	stone	T	éven	avani m	2				1								1	1	1	2		1		
	2:10.03	child	T	yeléd	yeladi m	2				1								1	1	1	2	1			
	2:10.03	shoe	T	ná al	na alám	2				1							1	1	2	2				3	
	2:10.03	sock	T	gšrev	garbám	2				1							1	1	1	1					3
	2:10.03	freckle	T	némef	nemafi m	2				1								1	1	1	2	1			
	2:10.03	tear	T	dma	dmaót	2										1		1	1	2	1	2			
	2:10.03	drop	T	tipá	tipót	2											1	1	2	2	1	2			
	2:10.03	tentacle	T	mexóf	mexofi m	2							1					1	1	1	2	1			
	2:10.03	bunny	T	fáfan	ffani m	2							1					1	1	2	1	1			
	2:10.03	mouse	T	axbár	axbári m	2							1					1	1	2	2	1			
	2:10.03	balloon	T	balón	baloni m / balónim	2							1				1	1	1	2	2	1			
	2:10.03	flower	T	pérax	praxi m	2				1								1	1	2	1	1			
	2:10.03	ice cream	T	gli da	gli dot	2					1							1		2	2	1	2		
	2:10.03	wafer	T	váfel	váfim	2				1							1		2	2	1	1			
	2:10.03	lion	T	arayé	arayót	2										1		1	2	2	1		2		
	2:10.03	under-wear	T	tuxón	tuxoni m	2							1					1	1	2	2	1			
	2:05.26	scooter	T	körkinet	körkinetim / körkinétim	3	1									1	1		1	2	2	1			
	2:06.12	scooter	T	körkinet	körkinetim / körkinétim	3	1									1	1		1	2	2	1			
	2:05.09	cookie	T	ugyá	ugyót	3									1			1	2	2	1	2			
	2:05.26	tomato	T	agvaniyá	agvaniyót	3									1			1	2	2	1	2			
	2:05.26	ham-burger	T	hámburger	hámburgerim	3				1						1		2	2	2	1				
	2:05.26	whale	T	livyatán	livyatani m	3								1				1	1	2	2	1			
	2:05.26	airplane	T	avirón	avironi m	3								1				1	1	2	2	1			
	2:05.26	telephone	T	télefon	télefonim / telefonim	3				1						1	1		1	2	2	1			
	2:05.26	piece	T	saxiá	saxiót	3									1			1	2	2	1	2			
	2:05.28	spinning-top	T	sevivón	sevivoni m	3							1					1	1	2	1	1			
	2:05.28	key	T	maffex	maffexót	3				1								1	1	2	1		2		
	2:05.28	bathrub	T	ambátya	ambátyót	3						1					1	2	2	1	2				
	2:05.28	grapefruit	T	efkoli t	efkoliót	3							1					1	1	2	1	2			
	2:05.28	train	T	rakevet	rakavót	3				1								1	1	1	1	2			
	2:05.28	swing	T	nadnedá	nadnedót	3									1			1	2	2	1	2			
	2:05.28	candy	T	sukaryá	sukaryót	3								1				1	2	2	1	2			
	2:05.28	stroller	T	agalá	agalót	3								1				1	2	2	1	2			
	2:05.28	lamp	T	menorá	menorót	3								1				1	2	2	1	2			
	2:06.06	candy	T	sukaryá	sukaryót	3								1				1	2	2	1	2			
	2:06.06	block	T	kubiyá	kubiyó	3										1		1	2	2	1	2			
	2:06.06	snail	T	szelzón	szelzonót	3								1				1	1	1	1		2		
	2:06.06	stroller	T	agalá	agalót	3									1			1	2	2	1	2			
	2:06.12	tomato	T	agvaniyá	agvaniyót	3									1			1	2	2	1	2			
	2:06.12	ham-burger	T	hámburger	hámburgerim	3				1						1		2	2	2	1				
	2:06.12	whale	T	livyatán	livyatani m	3								1				1	1	2	2	1			
	2:06.12	airplane	T	avirón	avironi m	3								1				1	1	2	2	1			
	2:06.12	telephone	T	télefon	télefonim / telefonim	3				1						1	1		1	2	2	1			
	2:06.12	spinning-top	T	sevivón	sevivoni m	3								1				1	1	2	1	1			
	2:06.12	key	T	maffex	maffexót	3				1								1	1	2	1		2		
	2:06.12	bathrub	T	ambátya	ambátyót	3						1						1	2	2	1	2			
	2:06.12	grapefruit	T	efkoli t	efkoliót	3							1					1	1	2	1	2			
	2:06.12	train	T	rakevet	rakavót	3				1								1	1	1	1	2			
	2:06.12	swing	T	nadnedá	nadnedót	3									1			1	2	2	1	2			
	2:06.12	candy	T	sukaryá	sukaryót	3								1				1	2	2	1	2			
	2:06.12	stroller	T	agalá	agalót	3								1				1	2	2	1	2			
	2:06.12	lamp	T	menorá	menorót	3								1				1	2	2	1	2			
	2:06.12	stair	T	madregá	madregót	3									1			1	2	2	1	2			
	2:06.19	surprise	T	hafta á	haftaót	3									1			1	2	2	1	2			
	2:06.29	block	T	kubiyá	kubiyót	3									1			1	2	2	1	2			

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of # in the sg.	Stress in the sg.										Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
							Ante-Penult.			Penult.			Final				Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim
							Final segment			Final segment			Final segment												
							C		V	C		V	C		V										
							t	a.o		t	a.o		t	a.o											
	2:06.29	stair	T	madregá	madregót	3									1			1	2	2	1	2			
	2:07.19	stair	T	madregá	madregót	3									1			1	2	2	1	2			
	2:08.02	rubber band	T	gumiyá	gumiyót	3									1			1	2	2	1	2			
	2:08.02	block	T	kubiyá	kubiyót	3									1			1	2	2	1	2			
	2:08.19	block	T	kubiyá	kubiyót	3									1			1	2	2	1	2			
	2:08.19	umbrella	T	mitriyá	mitriyót	3									1			1	2	2	1	2			
	2:08.19	auto-mobile	T	mexoni t	mexoniót	3							1		1			1	1	2	1	2			
	2:08.19	banana	T	banána	banánót	3							1					1	2	2	1	2			
	2:9.06	sticker	T	madbeká	madbekót	3									1			1	2	2	1	2			
	2:9.06	train	T	rakévet	rakavót	3				1					1			1	1	1	1	2			
	2:9.06	present	T	mataná	matanót	3									1			1	2	2	1	2			
	2:09.17	stair	T	madregá	madregót	3									1			1	2	2	1	2			
	2:09.28	sticker	T	madbeká	madbekót	3									1			1	2	2	1	2			
	2:09.28	dot	T	nekudá	nekudót	3									1			1	2	2	1	2			
	2:09.28	sticker	T	madbeká	madbekót	3									1			1	2	2	1	2			
	2:09.28	necklace	T	farferet	farferót	3				1					1			1	1	2	1	2			
	2:10.03	ant	T	nemalá	nemalót	3									1			1	2	2	1		1		
	2:10.03	kinder garden teacher	T	ganénet	gananót	3				1								1	1	1	1	1	2		
	2:10.03	stair	T	madregá	madregót	3									1			1	2	2	1	2			
	2:10.03	sticker	T	madbeká	madbekót	3									1			1	2	2	1	2			
	2:08.19	water-melon	T	avati ax	avatiót	4					1							1	1	2	1				
Frequency							34	2	4	0	8	75	19	8	108	70	19	83	213	194	67	148	132	7	0
Frequency percentage							11.81	100.00	100.00	#DIV/0!	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	67.38	19.79	51.39	61.40	23.33	0.00	
Frequency							184	0	0	0	0	0	0	0	0	0	0	0	0	94	231	140	83	23	0
Frequency percentage							67.38	0.00	0.00	#DIV/0!	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.64	60.21	48.61	38.80	76.67	0.00	
Frequency							59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42
Frequency percentage							20.49	0.00	0.00	#DIV/0!	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	
Frequency							1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Frequency percentage							0.35	0.00	0.00	#DIV/0!	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Appendix 5 -Qualitative Productions analysis

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
								Ante- Penult. Final segment	Penult. Final segment		Final Final segment		Ante- Penult. / Pre-Ante Penult.	Penult.	Final	Reg.				Irreg.	-aim																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
t	a.o	t	a.o	t	a.o	t	a.o																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
I	1;05.29	shoe	T	ná.al	na.aláim	2σ					✓					✓		✓																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of 6 in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim
								Final segment		Final segment		Final segment										
								C t	V a.o	C t	V a.o	C t	V a.o									
	1;10.00	drop	O		tót		✓								✓			✓	-ot			
			T	tipá	tipót	2σ							✓			✓		✓	-ot			
	1;10.27	block	O		t'ipót (repetition)		✓								✓			✓	-ot			
			T	kubiyá	kubiyót	3σ							✓			✓		✓	-ot			
	1;10.27	hair	O		hábiót		✓								✓			✓	-ot			
			T	seará	searót	3σ							✓			✓		✓	-ot			
	1;10.27	ear	O		feót		✓								✓			✓	-ot			
			T	ózen	oznáim	2σ				✓					✓		✓		✓		-aim	
	1;10.27	foot	O		ózen		X				✓											-aim
			T	régel	ragláim	2σ					✓				✓		✓		✓		✓	-aim
	1;10.27	shoe	O		agáim		✓								✓		✓		✓			-aim
			T	ná.al	na.aláim	2σ					✓				✓		✓		✓			-aim
	1;10.27	eye	O		yáim		✓								✓		✓					-aim
			T	áin	eináim	2σ					✓				✓		✓		✓			-aim
	1;10.27	circle	O		anáim		✓								✓		✓		X			-aim
			T	ígúl	ígulí m	2σ							✓			✓		✓		X		-aim
	1;10.27	sticker	O		aynáim		✓								✓		✓		✓			-aim
			T	madbeká	madbekót	3σ										✓					-im	
			O		ugaí m		✓									✓		✓			-im	
			T	abeká	majekót		✓									✓				✓		-ot
	1;11.18	candy	O		aboseká		X								✓							-ot
			T	abaká			X								✓							-ot
	1;11.18	tooth	O		sukaryá		✓								✓		✓		✓			-aim
			T	súkayót		✓									✓		✓		✓			-aim
	1;11.18	foot	O		fen		✓								✓		✓		✓			-aim
			T	fináim		✓									✓		✓		✓			-aim
	1;11.18	picture	O		régel		✓				✓				✓		✓		✓			-aim
			T	ragláim		✓									✓		✓		✓			-aim
	1;11.25	bird	O		gláim		✓								✓		✓		✓			-aim
			T	tmuná	tmunót	2σ							✓			✓		✓		✓		-aim
	1;11.25	eye	O		tumót		✓								✓		✓		✓			-aim
			T	cipór	ciporí m	2σ							✓			✓		✓				-im
	1;11.25	animal	O		çèporí m		✓								✓		✓					-im
			T	áin	eináim	2σ					✓				✓		✓		✓			-aim
	2;00.02	shoe	O		enai' m		✓								X		✓		✓			-aim
			T	xayá	xayót	2σ							✓			✓		✓		✓		
	2;00.02	pants	O		xayót		✓								✓		✓		✓			-aim
			T	régel	ragláim	2σ				✓					✓		✓		✓			-aim
	2;00.02	shoe	O		maxgláim		✓								✓		✓		✓			-aim
			T	na.aláim		✓					✓				✓		✓		✓			-aim
2;00.02	pants	O		nayái		✓								✓		✓		✓			-aim	
		T	nayáim		✓									✓		✓		✓			-aim	

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.				-aim		
								Final segment		Final segment		Final segment												
								C	V	C	V	C	V											
			t	a.o	t	a.o	t	a.o	t	a.o														
II	2;00.09	eye	T	áin	eináim	2σ					✓					✓		✓	✓				-aim	
			O		enáim		✓								✓		✓	✓				-aim		
	2;00.09	circle	T	igúl	igulí m	2σ						✓				✓	✓	✓			-im			
			O		glukulí m		✓									✓	✓	✓			-im			
					ʔigkuzí m		✓									✓	✓	✓			-im			
					ukuŋim		✓									✓	✓	✓			-im			
					kuɛm		✓									✓	✓	✓			-im			
					hikxolí m		✓									✓	✓	✓			-im			
	2;00.09	butterfly	T	parpár	parparí m	2σ						✓				✓	✓	✓			-im			
			O		paxpár		X					✓												
	2;00.09	bear	T	dov	dubí m	1σ						✓				✓	✓	✓			-im			
			O		dubí m		✓									✓	✓	✓			-im			
	2;00.09	candy	T	sukaryá	sukaryót	3σ							✓			✓				✓		-ot		
			O	cuká	cukəyót (repetition)		✓						✓			✓				X		-ot		
	2;00.16	cheek	T	léxi	lexayáim	2σ					✓					✓		✓	✓	✓			-aim	
			O		xayái:		✓									✓		✓	✓	✓			-aim	
					xayái		✓									✓		✓	✓	✓			-aim	
	2;00.16	eye	T	áin	eináim	2σ					✓					✓		✓	✓				-aim	
			O		eináim		✓									✓		✓	✓				-aim	
	2;00.16	child	T	yéled	yeladi m	2σ					✓						✓	✓	✓			-im		
			O		ya:ɡíʔ m		✓										✓	✓	✓			-im		
					ya:tíʔ m		✓										✓	✓	✓			-im		
					yotíʔ m (repetition)		✓											✓	✓	X			-im	
	2;00.16	star	T	koxáv	koxaví m	2σ							✓				✓	✓			-im			
			O		xoví m		✓										✓	✓			-im			
	2;00.16	picture	T	tmuná	tmunót	2σ								✓			✓				✓	-ot		
			O		puɖnót		✓										✓				✓	-ot		
					θmnót		✓											✓				✓	-ot	
	2;00.16	boot	T	magáf	magaíaim	2σ							✓			✓		✓					-aim	
			O		pahofaíʔ m (repetition)		✓										X	✓					-aim	
	2;00.16	pants	T	mixnás	mixnasáim	2σ							✓			✓		✓					-aim	
			O		xisáim		✓									✓		✓					-aim	
	2;00.16	tooth	T	ʃen	ʃináim	1σ							✓			✓		✓	✓				-aim	
			O		ʃinaíʔ m (repetition)		✓									✓		✓	✓				-aim	
	2;00.16	foot	T	régel	ragláim	2σ					✓					✓		✓	✓	✓			-aim	
			O		tíxláim		✓									✓		✓	X	✓			-aim	
	2;00.16	hand	T	yad	yadáim	1σ							✓			✓		✓					-aim	
			O		iðáim		✓									✓		✓					-aim	

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix				
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.				-aim				
								Final segment		Final segment		Final segment														
								C t	V a.o	C t	V a.o	C t	V a.o													
	2;00.16	candy	T	sukaryá	sukaryót	3σ											✓			✓		✓	-ot			
			O		cùkayót		✓											✓			✓		✓	-ot		
					sùkayót		✓												✓			✓	-ot			
	2;00.26	house	T	báit	bati m	2σ				✓								✓	✓		✓		✓	-im		
			O		baití:		✓											✓	✓		X		✓	-im		
	2;00.29	picture	T	tmuná	tmunót	2σ								✓				✓			✓		✓	-ot		
			O		tunlót		✓											✓			✓		✓	-ot		
	2;00.29	ant	T	nemalá	nemali m	3σ									✓			✓			✓		✓		-im	
			O	malá	imalí		✓								✓			✓			✓		✓		-im	
					malí		✓											✓			✓		✓		-im	
	2;00.29	bus	T	ótobus	otobúsím	3σ			✓								✓		✓		✓			-im		
			O		ótobusi		✓								X				X				-im			
	2;00.29	car	T	óto	ótoim	2σ						2			2									-im		
			O	óto	óto		X				✓															
	2;00.29	stair	T	madregá	madregót	3σ									✓			✓			✓		✓	-ot		
			O		madgót		✓											✓			✓		✓	-ot		
	2;00.29	shoe	T	ná.al	na.aláim	2σ					✓						✓		✓		✓				-aim	
			O		na láim		✓										✓		✓		✓				-aim	
	2;01.06	eye	T	áin	eináim	2σ					✓						✓		✓		✓	✓			-aim	
			O		enái		✓										✓		✓	✓	✓				-aim	
	2;01.06	fruit	T	pri	perót	1σ									✓			✓				✓			-ot	
					pexót		✓											✓				✓			-ot	
			O		perót (repetition)		✓											✓				✓			-ot	
					parót		✓											✓				✓			-ot	
	2;01.06	foot	T	régel	ragláim	2σ					✓						✓		✓		✓	✓			-aim	
			O		régel		X				✓															
					akáim		✓										✓		✓		✓	✓			-aim	
	2;01.06	sticker	T	madbeká	madbekót	3σ									✓			✓			✓		✓	-ot		
			O		balakót		✓											✓				✓		-ot		
					dabekót		✓											✓			✓		-ot			
	2;01.12	shoe	T	ná.al	na.aláim	2σ					✓						✓		✓		✓				-aim	
			O		na láim		✓										✓		✓		✓				-aim	
2;01.12	house	T	báit	bati m	2σ					✓							✓		✓		✓		-im			
		O	báit	báit		X				✓																
2;01.12	ear	T	ózen	oznáim	2σ					✓						✓		✓		✓		✓		-aim		
		O		odzáim		✓										✓		✓		✓		✓		-aim		
				ozláim		✓										✓		✓		✓		✓		-aim		
2;01.12	eye	T	áin	eináim	2σ					✓						✓		✓		✓	✓			-aim		
		O		enáim		✓										✓		✓	✓	✓				-aim		
2;01.12	candy	T	sukaryá	sukaryót	3σ									✓			✓			✓		✓	-ot			
		O		sakoyót		✓											✓				✓		-ot			
2;01.12	dishware	T	kli	keli m	1σ									✓			✓				✓		-im			
		O		kali m		✓											✓				✓		-im			

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.				-aim		
								Final segment		Final segment		Final segment												
								C t	V a.o	C t	V a.o	C t	V a.o											
	2;01.12	rubber band	T	gumiyá	gumiyót	3σ									✓			✓			✓	-ot		
			O		ugiyí m		✓										✓			X		-im		
	2;01.12	hair	T	seará	searót	3σ								✓			✓			✓	-ot			
			O		saarót		✓									✓			✓	-ot				
	2;01.19	shoe	T	ná.al	na.aláim	2σ					✓					✓		✓					-aim	
			O	nál (repetition)	naláim		✓			✓						✓		✓					-aim	
				náal (repetition)	nái		✓			✓						✓		✓				-aim		
	2;01.19	doll	T	bubá	bubót	2σ								✓			✓				✓	-ot		
			O		bubót		✓										✓			✓	-ot			
	2;01.19	cloud	T	anán	anani m	2σ								✓			✓	✓				-im		
			O	anán	ananí m		✓								✓		✓	✓			-im			
	2;01.19	animal	T	xayá	xayót	2σ								✓			✓					-ot		
			O		xayót (repetition)		✓									✓					-ot			
	2;01.19	bee	T	dvorá	dvori m	2σ								✓			✓				✓	-im		
			O		ciborí m		✓									✓		✓			✓	-im		
	2;01.19	lion	T	aryé	arayót	2σ								✓			✓				✓	-ot		
			O	aryé	axayót		✓								✓		✓			✓	-ot			
				arayót (repetition)		✓										✓		✓	-ot					
	2;01.19	bird	T	cipór	ciporí m	2σ								✓			✓	✓				-im		
			O		ciporí m		✓										✓	✓			-im			
2;01.19	fruit	T	pri	perót	1σ								✓			✓				✓	-ot			
		O		perót (repetition)		✓										✓			✓	-ot				
III	2;01.27	glitter	T	nácnac	nácnacim	2σ					✓				✓						-im			
			O		dacací :		✓									X	X			-im				
					nacací :		✓								X	X			-im					
					ácacim (repetition)		✓								✓					-im				
	2;01.27	butterfly	T	parpár	parparí m	2σ							✓			✓	✓				-im			
			O		parparí m		✓									✓	✓			-im				
	2;01.27	story	T	sipúr	sipurí m	2σ							✓			✓	✓				-im			
			O	sipúr	sipúrim		✓							✓		X		X		-im				
	2;02.04	bracelet	T	camí d	cmidi m	2σ							✓			✓	✓			✓	-im			
			O		camí d		X						✓											
	2;02.04	rubber band	T	gumiyá	gumiyót	3σ								✓			✓				✓	-ot		
			O		gumiyót		✓										✓			✓	-ot			
	2;02.04	eye	T	áin	eináim	2σ					✓					✓		✓		✓			-aim	
			O		eináim		✓									✓		✓		✓		-aim		
	2;02.11	animal	T	xayá	xayót	2σ								✓			✓				✓	-ot		
O				xayót		✓										✓			✓	-ot				
2;02.11	mouse	T	axbár	axbarí m	2σ								✓			✓	✓				-im			
		O	axbár	áxbarí m		✓										✓	✓			-im				

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.				-aim		
								Final segment		Final segment		Final segment												
								C	V	C	V	C	V											
			t	a.o	t	a.o	t	a.o	t	a.o														
	2;02.18	bear	T	dov	dubí m	1σ							✓			✓	✓	✓		-im				
			O		dubí m		✓								✓	✓	✓		-im					
	2;02.18	flower	T	péax	praxi m	2σ				✓						✓	✓		✓	-im				
			O	péax	péax		X			✓														
	2;02.18	cat	T	xatúl	xatulí m	2σ							✓				✓	✓			-im			
			O	xatúl	xatulí m		✓						✓			✓	✓			-im				
	2;02.18	sock	T	gérev	garbáim	2σ				✓					✓		✓	✓	✓	✓		-aim		
			O		tabarí m		✓									X	X	✓	✓		-im			
	2;02.18	bird			gabáim		✓								✓		✓	✓	✓	✓		-aim		
			T	cipór	ciporí m	2σ							✓				✓	✓				-im		
	2;02.18	painting	O	cipór	parexí m		✓						✓				✓	✓	X	X		-im		
			T	ciyúr	ciyurí m	2σ							✓				✓	✓				-im		
	2;02.24	key	O		siyurí m (repetition)		✓									✓	✓				-im			
			T	maftéax	maftexót	3σ				✓						✓	✓			✓	-ot			
	2;02.24	fish	O		pafatxót		✓									✓	✓		X	X	-ot			
			T	dag	dagí m	1σ							✓				✓	✓			-im			
	2;02.24	story	O		dagí m		✓									✓	✓				-im			
			T	sipúr	sipurí m	2σ							✓				✓	✓			-im			
	2;02.24	book			sipurí m		✓						✓				✓	✓			-im			
			O		siburí m		✓									✓	✓			-im				
					sipurí m		✓									✓	✓			-im				
			T	séfer	sfari m	2σ				✓							✓	✓	✓	✓	-im			
	2;02.24	child	O		sfarí m (repetition)		✓									✓	✓	✓	✓		-im			
			T	yéled	yeladi m	2σ				✓							✓	✓	✓		-im			
	2;02.24	color	O		ena.adí m		✓				✓						✓	✓	✓		-im			
			T	céva	cvaí m	2σ					✓						✓	✓		✓	-im			
	2;02.24	hand	O		evai m		✓				✓						✓	✓	✓	✓	-im			
			T	yad	yadáim	1σ							✓		✓		✓	✓			-aim			
	2;02.24	tentacle	O		yadáim		✓								✓		✓	✓			-aim			
			T	maxóf	mexoí m	2σ							✓				✓	✓	✓		-im			
					mexoíí m (repetition)		✓										✓	✓	✓		-im			
			O		mexoíí m		✓										✓	✓	✓		-im			
2;02.24	tooth			xufí m		✓									✓	✓	X		-im					
		T	fen	fináim	1σ							✓			✓	✓	✓			-aim				
2;02.24	dishware	O		fináim		✓									✓	✓	✓	✓		-aim				
		T	kli	keli m	1σ								✓			✓	✓		✓	-im				
2;02.24	foot	O		kalí m		✓										✓	✓		✓	-im				
		T	règel	ragláim	2σ				✓						✓	✓	✓	✓		-aim				
2;02.24		O		haglái m		✓								✓	✓	✓	✓	✓	-aim					
		T	kukivá	kukivót	3σ							✓			✓	✓		✓	-ot					

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim
								Final segment		Final segment		Final segment										
								C t	V a.o	C t	V a.o	C t	V a.o									
	2;03.01	ponytail holder	O		sukoyót		✓								✓		✓	-ot				
					kukayót		✓							✓		✓	-ot					
					kukiyót		✓							✓		✓	-ot					
2;03.01	butterfly	T	parpár	parpari m	2σ						✓			✓	✓			-im				
		O		parperí m		✓								✓	✓			-im				
2;03.01	doll	T	bubá	bubót	2σ							✓			✓		✓	-ot				
		O	bubá	bubót		✓							✓		✓		✓	-ot				
2;03.01	fish	T	dag	dagí m	1σ							✓			✓	✓			-im			
		O		dagí m		✓									✓	✓			-im			
2;03.01	dishware	T	kli	keli m	1σ								✓			✓		✓	-im			
		O		kalí m		✓									✓		✓	-im				
2;03.01	person	T	if	anaí m	1σ								✓			✓	✓	✓	-im			
		O	if	anaí m		✓									✓	✓	✓	-im				
2;03.01	shoe	T	ná.al	na.aláim	2σ						✓				✓	✓				-aim		
		O		naaláim		✓									✓	✓				-aim		
2;03.01	girl	T	yaldá	yeladót	2σ								✓			✓		✓	-ot			
		O	yaldá	yaldót		✓									✓		X	X	-ot			
2;03.01	eye	T	áin	eináim	2σ						✓				✓	✓				-aim		
		O		eináim		✓									✓	✓				-aim		
2;03.01	part	T	xélek	xalakí m	2σ						✓					✓	✓	✓	-im			
		O		xalakí m (repetition)		✓										✓	✓		-im			
2;03.14	color	T	céva	cvaí m	2σ							✓				✓	✓		✓	-im		
		O		cvaí m		✓										✓	✓		✓	-im		
2;03.14	mouse	T	axbár	axbarí m	2σ								✓			✓	✓			-im		
		O		axmarí m		✓										✓	✓			-im		
2;03.14	flower	T	pérax	praxi m	2σ							✓				✓	✓		✓	-im		
		O		prexí m		✓										✓	✓		✓	-im		
2;03.14	cloud	T	anán	anani m	2σ								✓			✓	✓			-im		
		O		ananí m		✓										✓	✓			-im		
2;03.14	eye	T	áin	eináim	2σ							✓				✓		✓			-aim	
		O		eináim		✓										✓		✓			-aim	
2;03.14	hand	T	yad	yadáim	1σ								✓			✓					-aim	
		O		yadáim		✓										✓					-aim	
2;03.14	foot	T	régel	ragláim	2σ								✓			✓		✓		✓		-aim
		O		ra:gláim		✓										✓		✓		✓		-aim
2;03.14	animal	T	xayá	xayót	2σ									✓			✓			✓	-ot	
		O		xayót		✓											✓			✓	-ot	
2;03.14	sticker	T	madbeká	madbekót	3σ									✓			✓			✓	-ot	
		O		babekót mabekót		✓											✓			✓	-ot	
2;03.22	block	T	kubiyá	kubiyót	3σ									✓			✓			✓	-ot	
		O		kubiyót		✓											✓			✓	-ot	

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of 6 in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim
								Final segment		Final segment		Final segment										
								C	V	C	V	C	V									
			t	a.o		t	a.o		t	a.o												
	2;03.22	picture	T	tmuná	tmunót	2σ							✓			✓			✓	-ot		
			O	tmuná	tmunót		✓						✓			✓			✓	-ot		
	2;03.22	shoe	T	ná.al	na.aláim	2σ				✓					✓		✓					-aim
			O		ániláim		✓								✓		✓					-aim
	2;03.22	hat	T	kóva	kovaí m	2σ					✓					✓		✓			-im	
			O	kóva	koví m		✓			✓						✓		✓			-im	
	2;03.22	cat	T	xatúl	xatulí m	2σ							✓			✓				-im		
			O	xatúl	kaťúlot		✓				✓			X		X					-ot	
	2;03.22	foot	T	régel	ragláim	2σ				✓						✓		✓		✓		-aim
			O		agaláim		✓								✓		✓		✓	X		-aim
	2;03.22	doll	T	bubá	bubót	2σ								✓			✓			✓	-ot	
			O		bubót		✓										✓			✓	-ot	
	2;03.22	pin	T	siká	sikót	2σ										✓			✓	-ot		
			O		sikót		✓										✓			✓	-ot	
	2;03.22	rubber band	T	gumiyá	gumiyót	3σ								✓			✓			✓	-ot	
			O	gumiyá	gumiyót		✓										✓			✓	-ot	
	2;03.28	eye	T	áin	eináim	2σ					✓						✓		✓			-aim
			O		eináim		✓									✓		✓				-aim
	2;03.28	color	T	céva	cevaí m	2σ						✓					✓		✓		-im	
			O	céva	cevaí m (repetition)		✓					✓						✓		X	-im	
	2;03.28	snake	T	naxáf	nexaí m	2σ								✓			✓		✓		-im	
			O	naxáf	nexaí m		✓										✓		✓		-im	
	2;03.28	tentacle	T	maxóf	mexoí m	2σ								✓			✓		✓		-im	
			O		maxoí m (repetition)		✓											✓		X	-im	
	2;03.28	wing	T	kanáf	knaíaim	2σ								✓			✓		✓		-aim	
			O		kansáim		✓										✓		✓	X	-aim	
	2;03.28	bubble	T	buá	buót	2σ									✓			✓		✓	-ot	
			O		buót		✓											✓		✓	-ot	
	2;04.05	hand	T	yad	yadáim	1σ								✓			✓					-aim
			O		yadáim		✓										✓					-aim
	2;04.05	stuff	T	davár	dvarí m	2σ								✓				✓		✓	-im	
			O		dvarí m		✓											✓		✓	-im	
	2;04.05	candy	T	sukaryá	sukaryót	3σ									✓			✓			✓	-ot
			O	sukaryá	sùkaryót		✓											✓			✓	-ot
	2;04.05	circle	T	ígúl	ígulí m	2σ								✓				✓			-im	
			O		egulí m		✓											✓			-im	
	2;04.05	doll	T	bubá	bubót	2σ									✓				✓		-ot	
			O		bubót		✓												✓		-ot	
	2;04.05	animal	T	xayá	xayót	2σ									✓				✓		-ot	
			O		xavót		✓												✓		-ot	

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.				-aim		
								Final segment		Final segment		Final segment												
								C t	V a.o	C t	V a.o	C t	V a.o											
	2;04.05	giraffe	T	dʒiráfa	dʒiráfot	3σ						✓			✓			✓	-ot					
			O	dʒiráfa	ʒiráfot		✓				✓				✓			✓	-ot					
	2;04.05	bird	T	cipór	ciporí m	2σ							✓			✓	✓			-im				
			O		siporí m		✓								✓	✓				-im				
	2;04.12	eye	T	áin	eináim	2σ				✓					✓		✓	✓			-aim			
			O	áin	eynáim		✓			✓					✓		✓	✓			-aim			
	2;04.12	baby	T	tinók	tinokót	2σ							✓			✓	✓				-ot			
			O		tinokí m		✓									✓	✓			-im				
	2;04.12	wet wipes	T	magvón	magvoni m	2σ							✓			✓	✓			-im				
			O		magvoni m (repetition)		✓									✓	✓			-im				
	2;04.12	doll	T	bubá	bubót	2σ								✓			✓			✓	-ot			
			O	bubá	bubót		✓										✓			✓	-ot			
	2;04.12	hand	T	yad	yadáim	1σ							✓			✓		✓				-aim		
			O		daydáim yadáim		✓									✓		✓				-aim		
	2;04.12	ring	T	tabáat	tabaót	3σ				✓							✓	✓		✓	-ot			
			O		tabaót (repetition)		✓											✓	✓		✓	-ot		
	2;04.12	ponytail holder	T	kukiyá	kukiyót	3σ								✓				✓			✓	-ot		
			O		kokiyót		✓											✓			✓	-ot		
	2;04.19	star	T	koxáv	koxavi m	2σ								✓				✓	✓			-im		
			O		kaxoví m		✓											✓	✓			-im		
	2;04.19	shoe	T	ná.al	na.aláim	2σ					✓					✓		✓					-aim	
			O		naaláim		✓										✓		✓				-aim	
	2;04.19	sweet	T	mamták	mamtaki m	2σ							✓				✓	✓				-im		
			O		mamtakí m		✓											✓	✓			-im		
	2;04.19	candy	T	sukaryá	sukaryót	3σ								✓				✓			✓	-ot		
			O	sukaryá	sukaryót		✓											✓			✓	-ot		
	2;04.19	stuff	T	davár	dvari m	2σ								✓				✓	✓		✓	-im		
			O		dvarí m		✓											✓	✓		✓	-im		
2;04.19	block	T	kubiyá	kubiyót	3σ								✓				✓			✓	-ot			
		O		kubiyót		✓											✓			✓	-ot			
IV	2;04.25	friend	T	xavér	xaverí m	2σ							✓				✓	✓			-im			
			O		xaverí m		✓										✓	✓			-im			
	2;04.25	zebra	T	zébra	zébrot	2σ					✓				✓				✓		-ot			
			O	zébra	zébrot		✓				✓					✓				✓		-ot		
	2;04.25	cat	T	xatúl	xatuli m	2σ							✓				✓	✓			-im			
			O	xatúl	xatolí m		✓										✓	✓			-im			
	2;04.25	doll	T	bubá	bubót	2σ							✓				✓			✓	-ot			
			O		bubót		✓										✓			✓	-ot			
	2;04.25	eye	T	áin	eináim	2σ					✓					✓		✓	✓				-aim	
			O																					

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix							
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim					
								Final segment		Final segment		Final segment															
								C t	V a.o	C t	V a.o	C t	V a.o														
	2;04.25	number	O	áin	áin		X																				
			T	mispár	mispari m	2σ										✓	✓			-im							
			O		saparí m (repetition)		✓									✓	✓			-im							
	2;04.25	animal	T	xayá	xayót	2σ									✓				✓			✓	-ot				
			O		xayót		✓									✓				✓			-ot				
	2;05.09	tree	T	ec	ecí m	1σ									✓				✓	✓				-im			
			O		ecí m		✓									✓	✓						-im				
	2;05.09	sock	T	gérev	garbáim	2σ					✓						✓			✓	✓		✓			-aim	
			O	gérev			X					✓															
				garbá			X								✓												
	2;05.09	mouse	T	axbár	axbarí m	2σ									✓				✓	✓					-im		
			O		axberí m		✓												✓	✓					-im		
	2;05.09	color	T	céva	cvai m	2σ						✓								✓	✓			✓	-im		
			O		cvaí m		✓													✓	✓			✓	-im		
	2;05.09	bird	T	cipór	ciporí m	2σ									✓					✓	✓					-im	
			O		ciporí m		✓													✓	✓					-im	
					cipór		X									✓											
	2;05.09	bee	T	dvorá	dvori m	2σ										✓				✓				✓		-im	
			O		dborí m		✓													✓				✓		-im	
	2;05.09	cloud	T	anán	anani m	2σ									✓					✓	✓				-im		
			O		anani m		✓													✓	✓				-im		
	2;05.09	flower	T	pérax	praxi m	2σ						✓								✓	✓			✓	-im		
			O		praxi m		✓													✓	✓			✓	-im		
	2;05.09	eye	T	áin	eináim	2σ						✓						✓			✓	✓				-aim	
			O		einót		✓												X	X		✓			-ot		
	2;05.09	lion	T	aryé	arayót	2σ									✓				✓					✓		-ot	
			O	aryé	aryé		X									✓											
	2;05.09	sound	T	kol	kolót	1σ									✓					✓	✓					-ot	
			O		kolót		✓													✓	✓					-ot	
	2;05.09	branch	T	anáí	anafi m	2σ									✓					✓	✓				-im		
			O		anafi m		✓													✓	✓				-im		
	2;05.09	foot	T	régel	ragláim	2σ						✓						✓			✓	✓		✓		-aim	
O				ragzgláim		✓												✓		✓	✓		✓		-aim		
2;05.09	dog	T	kélev	klavi m	2σ						✓								✓	✓		✓		✓	-im		
		O	kélev	klavi m		✓					✓								✓	✓		✓		✓	-im		
			kélev			X						✓															
2;05.09	cat	T	xatúl	xatulí m	2σ								✓						✓	✓				-im			
		O	xatúl	xatulí m		✓								✓					✓	✓				-im			
2;05.09	popsicle	T	flúk	flúkim	1σ												✓							-im			
		O		flúkim		✓												✓						-im			
2;05.09	carrot		T	gézer	gzari m	2σ					✓								✓	✓		✓		✓	-im		

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix					
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim			
								Final segment		Final segment		Final segment													
								C t	V a.o	C t	V a.o	C t	V a.o												
	2:05.09	carrot	O	gézer	gézer		X				✓														
	2:05.09	turtle	T	cav	caví m	1σ						✓			✓	✓			-im						
			O	cav	caví m (repetition)		✓				✓			✓	✓			-im							
	2:05.09	child	T	yéled	yeladí m	2σ				✓					✓	✓	✓		-im						
			O		yeladí m		✓								✓	✓	✓		-im						
			2:05.09	cookie	T	ugiyá	ugiyót	3σ						✓			✓			✓	-ot				
			O		ugiyót		✓									✓			✓	-ot					
			2:05.09	shirt	T	xulcá	xulcót	2σ							✓			✓			✓	-ot			
			O		xulcót		✓										✓			✓	-ot				
			2:05.09	wound	T	péca	pecaí m	2σ					✓					✓	✓		✓	-im			
			O	péca	péca		X				✓														
			2:05.09	book	T	séfer	sfarí m	2σ					✓					✓	✓	✓	✓	-im			
			O	séfer	sfarí m		✓				✓							✓	✓	✓	✓	-im			
			2:05.09	baby	T	tinók	tinokót	2σ							✓			✓	✓			-ot			
			O		tinokí m		✓											✓	✓			-im			
			2:05.15	shoe	T	ná.al	na.aláim	2σ					✓				✓		✓				-aim		
			O		na.aláim		✓										✓		✓				-aim		
			2:05.15	light	T	or	orót	1σ							✓			✓	✓				-ot		
			O	or	orót		✓							✓				✓	✓				-ot		
			2:05.15	sock	T	gérev	garbáim	2σ					✓					✓		✓	✓	✓		-aim	
			O		garbáim		✓										✓		✓	✓	✓		-aim		
			2:05.26	book	T	séfer	sfarí m	2σ					✓						✓	✓	✓	✓	-im		
			O		sfarí m		✓											✓	✓	✓	✓	-im			
			2:05.26	sock	T	gérev	garbáim	2σ					✓					✓		✓	✓	✓		-aim	
			O		garbáim		✓										✓		✓	✓	✓		-aim		
			2:05.26	part	T	xélek	xalakí m	2σ					✓						✓	✓	✓		-im		
			O	xélek	xalakí m		✓				✓								✓	✓	✓		-im		
			2:05.26	bucket	T	dli	dlai m	1σ								✓			✓			-im			
			O	dli	dli (repetition)		X							✓											
			2:05.26	eye	T	áin	eináim	2σ					✓					✓		✓	✓			-aim	
			O	áin	eynáim		✓				✓						✓		✓	✓				-aim	
			2:05.26	tomato	T	agvaniyá	agvaniyót	3σ							✓			✓				✓	-ot		
			O	gvanyá (repetition)	agvaniyót		✓								✓						✓	-ot			
			2:05.26	ham-burger	T	hamburger	hamburgerim	3σ		✓						✓							-im		
			O	háguker (repetition)	agúber		X		✓		X														
			2:05.26	whale	T	livyatán	livyatani m	3σ							✓			✓	✓				-im		
			O	livyatán (repetition)	livatáim		✓							✓		X		X						-aim	
2:05.26			goat	T	fáar	fearí m	2σ					✓						✓	✓	✓		-im			

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix					
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim			
								Final segment		Final segment		Final segment													
								C t	V a.o	C t	V a.o	C t	V a.o												
	2;05.26	road	O		kvif		X						✓												
	2;05.26	piece	T	xatixá	xatixót	3σ							✓			✓			✓	-ot					
			O		xatixót		✓						✓			✓		-ot							
	2;05.26	foot	T	régel	ragláim	2σ				✓					✓		✓	✓	✓			-aim			
			O		ragláim		✓						✓		✓	✓	✓	✓			-aim				
	2;05.26	dress	T	simlá	smalót	2σ							✓			✓			✓	-ot					
			O	simlá	simlót		✓						✓			✓		X	-ot						
	2;05.26	person	T	ijf	anafrí m	1σ							✓			✓	✓		✓	-ot					
			O	ijf	ijf		X						✓					✓	-im						
	2;05.26	mouse	T	axbár	axbarí m	2σ							✓				✓	✓			-im				
			O		axbarí m		✓										✓	✓		-im					
	2;05.26	picture	T	tmuná	tmunót	2σ								✓			✓			✓	-ot				
			O		tmunót		✓										✓		✓	-ot					
	2;05.28	ice cream	T	glí da	glí dot	2σ							✓			✓				✓	-ot				
			O	glí da	glí da		X				✓										-ot				
	2;05.28	game	T	mixák	mixxaki m	2σ								✓			✓	✓			-im				
			O		masxakí m		✓										✓	✓		-im					
	2;05.28	sock	T	gêrev	garbáim	2σ					✓					✓		✓	✓	✓			-aim		
			O		garbáim		✓										✓	✓	✓			-aim			
	2;05.28	pepper	T	pí lpel	pí lpelim	2σ					✓				✓			✓			-im				
			O	pí lpel (repetition)	pí lpel		X				✓														
	2;05.28	cheese	T	gviná	gvinót	2σ								✓			✓			✓	-ot				
			O	gviná (repetition)	gvinót		✓							✓			✓		✓	-ot					
	2;05.28	lion	T	aryé	arayót	2σ								✓			✓			✓		-ot			
			O	aryé	aryé		X							✓								-ot			
	2;05.28	bunny	T	fafán	ffaní m	2σ								✓			✓	✓		✓	-im				
			O		fafaní m		✓										✓	✓		X	-im				
	2;05.28	carrot	T	gêzer	gzarí m	2σ					✓						✓	✓	✓	✓	-im				
			O	gêzer	gêzer		X				✓											-im			
	2;05.28	cake	T	ugá	ugót	2σ								✓			✓			✓	-ot				
			O	ugá	uguyót		✓							✓			✓			X	-ot				
	2;05.28	candle	T	ner	nerót	1σ								✓			✓	✓				-ot			
			O		nerót		✓										✓	✓				-ot			
	2;05.28	zebra	T	zébra	zébroť	2σ						✓				✓				✓	-ot				
			O	zébra	zébroť		✓					✓				✓				✓	-ot				
	2;05.28	window	T	xalón	xalonót	2σ								✓			✓	✓				-ot			
O				xaloní m		✓										✓	✓			-im					
2;05.28	baby	T	tinók	tinokót	2σ								✓			✓	✓				-ot				
		O	tinók (repetition)	tinokí m		✓						✓			✓	✓				-im					
				tinóket		X			✓																
2;05.28	spinning-top	T	sevivón	svivoní m	3σ								✓			✓	✓		✓	-im					
		O		sevovaní m		✓										✓	✓		X	-im					

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix			
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim	
								Final segment		Final segment		Final segment											
								C t	V a.o	C t	V a.o	C t	V a.o										
	2;05.28	key	T	maftéax	maftexót	3σ									✓	✓	✓			-ot			
			O	maftéyax	maftexót		✓				✓				✓	✓	✓	✓		-ot			
	2;05.28	bathtub	T	ambátya	ambátyot	3σ									✓			✓		-ot			
			O	abátya	abátyot		✓				✓				✓			✓		-ot			
	2;05.28	piano	T	psantér	psanterí m	2σ										✓	✓			-im			
			O	psarótén	psartení m		✓					✓				✓	✓			-im			
	2;05.28	fish	T	dag	dagí m	1σ										✓	✓			-im			
			O	dag	dagí m		✓					✓				✓	✓			-im			
	2;05.28	grapefruit	T	efkoli t	efkoliót	3σ											✓	✓		✓	-ot		
			O	koli t (repetition)	ko:lí t		X					✓											
	2;05.28	train	T	rakévet	rakavót	3σ				✓							✓	✓		✓	-ot		
			O	rakévet	rakeví m		✓			✓							✓	✓	X	✓		-im	
	2;05.28	mouse	T	axbár	axbarí m	2σ							✓				✓	✓			-im		
			O	axbár (repetition)	axbarí m		✓					✓					✓	✓			-im		
	2;05.28	swing	T	nadnedá	nadnedót	3σ								✓			✓			✓	-ot		
			O	nadnedá (repetition)	nadedót		✓						✓				✓			✓	-ot		
	2;05.28	picture	T	tmuná	tmunót	2σ								✓				✓			✓	-ot	
			O		tmunót		✓										✓			✓	-ot		
	2;05.28	plastic bag	T	saki t	sakiót	2σ							✓					✓	✓		✓	-ot	
			O	saki t (repetition)	sakiót		✓						✓					✓	✓		✓	-ot	
	2;05.28	candy	T	sukaryá	sukaryót	3σ								✓				✓			✓	-ot	
			O	sukaryá	sukaryót		✓						✓					✓			✓	-ot	
	2;05.28	shirt	T	xulcá	xulcót	2σ								✓				✓			✓	-ot	
			O	xulcá (repetition)	xulcót		✓						✓					✓			✓	-ot	
	2;05.28	camel	T	gamál	gmali m	2σ								✓				✓	✓		✓	-im	
			O	gamál	gamali m		✓						✓					✓	✓		X	-im	
	2;05.28	stone	T	éven	avani m	2σ				✓							✓	✓		✓		-im	
			O	éven (repetition)	avani m		✓			✓							✓	✓		✓		-im	
	2;05.28	stroller	T	agalá	agalót	3σ								✓				✓			✓	-ot	
			O	agalá	agalót		✓						✓					✓			✓	-ot	
	2;05.28	lamp	T	menorá	menorót	3σ									✓			✓			✓	-ot	
			O	menorá (repetition)	menorót		✓						✓					✓			✓	-ot	
2;05.28	sweater	T	svéder	svéderim	2σ				✓					✓							-im		
		O		sa:vdí m		✓										X	X				-im		
2;05.28	chewing gum	T	mástik	mástikim	2σ				✓					✓							-im		
		O	mástik	mástikim		✓			✓					✓							-im		
2;05.28	cat	T	xatul	xatulí m	2σ							✓					✓	✓			-im		
		O		xatulí m		✓											✓	✓			-im		
2;05.28	bracelet	T	camí d	cmidi m	2σ							✓					✓	✓		✓	-im		
		O	camí d	camidí m		✓						✓					✓	✓		X	-im		
2;06.06	candy	T	sukaryá	sukaryót	3σ								✓							✓	-ot		
		O		sukaryót		✓											✓			✓	-ot		

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of 6 in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix			
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim	
								Final segment		Final segment		Final segment											
								C t	V a.o	C t	V a.o	C t	V a.o										
	2:06.06	sock	T	géreiv	garbáim	2σ						✓				✓		✓	✓	✓			-aim
			O		garbáim		✓								✓		✓	✓	✓			-aim	
	2:06.06	shoe	T	ná.al	na.aláim	2σ						✓				✓		✓	✓	✓			-aim
			O		naaláim		✓								✓		✓	✓	✓			-aim	
	2:06.06	light	T	or	orót	1σ								✓			✓	✓	✓			-ot	
			O		orót		✓									✓	✓	✓			-ot		
	2:06.06	block	T	kubiyá	kubiyót	3σ								✓			✓		✓	✓	-ot		
			O		kubiyót		✓										✓		✓	✓	-ot		
	2:06.06	hand	T	yad	yadáim	1σ								✓		✓		✓	✓	✓			-aim
			O		dáim		✓									✓		✓	✓	✓			-aim
	2:06.06	painting	T	ciyúr	ciyurí m	2σ								✓				✓	✓	✓		-im	
			O		ciyurí m		✓											✓	✓	✓		-im	
	2:06.06	snail	T	xilazón	xelzonót	3σ								✓				✓	✓	✓	✓		-ot
			O		xilazón		X								✓								
	2:06.06	pants	T	mixnás	mixnasáim	2σ								✓		✓		✓	✓	✓			-aim
			O		mixnasáim		✓									✓		✓	✓	✓			-aim
	2:06.06	stroller	T	agalá	agalót	3σ								✓				✓		✓	✓	-ot	
			O		agalót		✓												✓	✓	✓	-ot	
	2:06.12	bucket	T	dli	dlai m	1σ								✓				✓		✓		-im	
			O		dli		X								✓								
	2:06.12	eye	T	áin	eináim	2σ								✓			✓		✓	✓			-aim
			O		áin	eináim	✓								✓		✓	✓	✓			-aim	
	2:06.12	tomato	T	agvaniyá	agvaniyót	3σ								✓				✓		✓	✓	-ot	
			O		agvanyá	agvanyót	✓												✓	✓	✓	-ot	
	2:06.12	ham-burger	T	hámburger	hámburgerim	3σ		✓							✓							-im	
			O		hábunker		X	✓															
	2:06.12	whale	T	livyatán	livyatani m	3σ								✓				✓	✓	✓		-im	
			O		livantót		✓												✓	✓		-ot	
2:06.12	gate	T	fáar	fearí m	2σ								✓				✓	✓	✓		-im		
		O		fára		X																	
2:06.12	tower			fá.ar		X																	
		T	migdál	migdali m	2σ								✓				✓	✓	✓		-im		
2:06.12	glass	O	migdál (repetition)	mí gdalót		✓							✓				✓				-ot		
		T	zxuxi t	zxuxiót	2σ								✓				✓	✓	✓	✓	-ot		
2:06.12	airplane	O		suxí m		✓											✓	✓	✓	✓	-im	-im	
		T	avirón	avironi m	3σ								✓				✓	✓	✓		-im		
2:06.12	balloon	O		avirón	avorí n	✓											✓	✓	✓		-im		
		T	balón	baloní m / balónim	2σ								✓		✓	✓	✓	✓	✓		-im		
2:06.12	balloon	O	balón	baloní m		✓							✓				✓	✓	✓		-im		

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.				-aim		
								Final segment		Final segment		Final segment												
								C	V	C	V	C	V											
	2;06.12	wound	T	péca	pcaí m	2σ							✓				✓	✓		✓	-im			
			O	pésa	pésa		X					✓												
	2;06.12	fox	T	fuál	fualí m	2σ								✓			✓	✓			-im			
			O	fuál (repetition)	fualót		✓						✓			✓	✓					-ot		
	2;06.12	bed	T	mitá	mitót	2σ								✓			✓			✓	-ot			
			O	mitá	mitót		✓							✓			✓			✓	-ot			
	2;06.12	dwarf	T	gamád	gamadí m	2σ								✓			✓	✓			-im			
			O	gamál									✓											
	2;06.12	dwarf	O	gamád (repetition)	gamadót		✓							✓			✓	✓				-ot		
	2;06.12	car	T	óto	ótoim	2σ								✓			✓				-im			
			O	óto	áto		X						✓											
	2;06.12	dog	O	óto	óto		X							✓										
			T	kélev	klaví m	2σ											✓	✓	✓	✓	-im			
	2;06.12	dog	O	kélev	kélev		X							✓										
	2;06.12	scooter	T	körkinet	körkinetim / korkinétim	3σ		✓								✓	✓		✓		-im			
			O	körkinet (repetition)	körkinet		X	✓																
	2;06.12	tractor	T	tráktor	tráktorim	2σ										✓					-im			
			O	tráktor (repetition)	tráctor		X							✓										
	2;06.12	mouth	T	pe	piót	1σ									✓			✓	✓			-ot		
			O	pe	pe		X								✓									
	2;06.12	telephone	T	télefon	télefonim / telefonim	3σ			✓							✓	✓		✓		-im			
			O	télefon	télefon		X	✓																
	2;06.12	ball	T	kadúr	kaduri m	2σ												✓	✓		-im			
			O	kadúr	kadu:rí m		✓												✓	✓		-im		
	2;06.12	cloud	T	anán	anani m	2σ												✓	✓		-im			
			O	anán	ananí m		✓												✓	✓		-im		
	2;06.12	drop	T	tipá	tipót	2σ												✓			✓	-ot		
			O		tipót		✓													✓		✓	-ot	
	2;06.12	ice cream	T	glí da	glí dot	2σ												✓			✓	-ot		
			O	glidá	glí dot		✓													✓		✓	-ot	
	2;06.12	road	T	kvíř	kvíří m	1σ												✓			✓	-ot		
			O	kvíř (repetition)	kvíř		X																-im	
	2;06.12	pepper	T	pířpel	pířpelim	2σ												✓				-im		
			O		pířpel		X																	
	2;06.12	cheese	T	gviná	gvinót	2σ														✓		-ot		
			O	gviná (repetition)			X																	
2;06.12		lion	T	aryé	arayót	2σ													✓		✓	-ot		

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.				-aim		
								Final segment		Final segment		Final segment												
								C t	V a.o	C t	V a.o	C t	V a.o											
	2:06.12	non	O	arayé	arayót		✓							✓			✓			✓			-ot	
	2:06.12	rabbit	T	ʔarnáv	ʔarnavót / ʔarnavi m	2σ							✓			✓	✓			-im /- ot				
			O	ʔarnáv	ʔarnavót		✓			✓		✓	✓			-ot								
	2:06.12	carrot	T	gézer	gzari m	2σ				✓					✓	✓	✓		✓	-im				
			O	gézer	gézer		X			✓														
	2:06.12	bunny	T	ʃafán	ʃfáni m	2σ						✓			✓	✓		✓	-im					
			O		ʃafaní m		✓						✓	✓		X	-im							
	2:06.12	cake	T	ugá	ugót	2σ						✓			✓		✓	-ot						
			O	ugá	ugót		✓				✓		✓		✓	-ot								
	2:06.12	zebra	T	zébra	zébroť	2σ					✓				✓		✓	✓	-ot					
			O	zébra	zébroť		✓			✓			✓		✓	-ot								
	2:06.12	window	T	xalón	xalonót	2σ						✓			✓	✓				-ot				
			O	xalón (repetition)	xaloní m		✓				✓		✓	✓			-im							
	2:06.12	baby	T	tinók	tinokót	2σ						✓			✓	✓				-ot				
			O	tinók	tinokí m		✓				✓		✓	✓			-im							
	2:06.12	spinning-top	T	sevivón	svivoní m	3σ						✓			✓	✓		✓	-im					
			O	sevivón (repetition)	sevivoní m		✓				✓		✓	✓		X	-im							
	2:06.12	key	T	maftéax	maftexót	3σ					✓				✓	✓		✓	-ot					
			O	maftéyax	maftéax maftexí m		X			✓				✓	✓		✓	-im						
	2:06.12	bathtub	T	ambátya	ambátyot	3σ					✓				✓			✓	-ot					
			O	ambátya	abátyot		✓			✓			✓		✓	-ot								
	2:06.12	piano	T	psantér	psanterí m	2σ						✓			✓	✓			-im					
			O	pastér (repetition)	psant ^h ér		X					✓												
	2:06.12	fish	T	dag	dagí m	1σ						✓			✓	✓			-im					
			O	dag	dagí m		✓					✓		✓	✓		-im							
	2:06.12	grapefruit	T	efkoli t	efkoliót	3σ						✓			✓	✓		✓	-ot					
			O	koli t (repetition)			X					✓												
				eskoli t (repetition)			X				✓													
	2:06.12	train	T	rakévet	rakavót	3σ					✓				✓	✓	✓	✓	-ot					
			O	rakévet	rakaví m		✓			✓				✓	✓	✓		✓	-im					
	2:06.12	mouse	T	axbár	axbarí m	2σ						✓			✓	✓			-im					
			O	axbár (repetition)	axbarí m		✓				✓		✓	✓			-im							
	2:06.12	swing	T	nadnedá	nadnedót	3σ							✓		✓		✓	-ot						
			O	nadnedá (repetition)	nadedót		✓					✓		✓		✓	-ot							
	2:06.12	plastic bag	T	saki t	sakiót	2σ						✓			✓	✓		✓	-ot					
			O	saki t (repetition)	sakiót		✓				✓		✓	✓		✓	-ot							
	2:06.12	candy	T	sukaryá	sukaryót	3σ							✓		✓		✓	-ot						

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of 6 in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.				-aim		
								Final segment		Final segment		Final segment												
								C t	V a.o	C t	V a.o	C t	V a.o											
	2;06.12	canoy	O	sukaryá	sukaryót		✓							✓			✓			✓	-ot			
	2;06.12	shirt	T	xulcá	xulcót	2σ								✓			✓			✓	-ot			
			O	xulcá	xulcá		X							✓										
	2;06.12	camel	T	gamál	gmali' m	2σ		✓					✓			✓	✓		✓	-im				
	2;06.12	stone	O	gamál	gamali' m		✓						✓			✓	✓		X	-im				
			T	éven	avani' m	2σ			✓					✓	✓	✓					-im			
	2;06.12	stroller	O	éven (repetition)	avani' m		✓			✓					✓	✓	✓					-im		
			T	agalá	agalót	3σ		✓						✓			✓			✓	-ot			
	2;06.12	lamp	O	agalá	agalót		✓							✓			✓				✓	-ot		
			T	menorá	menorót	3σ								✓			✓				✓	-ot		
	2;06.12	sweater	O	menorá (repetition)	manorót		✓							✓			✓				✓	-ot		
			T	svéder	svéderim	2σ			✓					✓								-im		
	2;06.12	stair	O	svéder (repetition)	svéder		X			✓														
			T	madregá	madregót	3σ								✓			✓				✓	-ot		
	2;06.12	house	O		magredót madregót		✓ ✓									✓ ✓				✓ ✓	-ot -ot			
			T	báit	bati' m	2σ			✓							✓	✓			✓	-im			
	2;06.12	person	O	báit		X			✓															
			T	if	anafi' m	1σ								✓			✓	✓	✓		✓	-im		
	2;06.12	bottle	O		anasi' m (repetition)		✓							✓			✓	✓	✓		✓	-im		
			T	bakbúk	bakbuki' m	2σ		✓						✓			✓	✓				-im -im		
	2;06.19	surprise	O	bakbuki' m		✓										✓	✓					-im -im		
			T	hafta.á	haftaót	3σ		✓						✓			✓				✓	-ot -ot		
	2;06.19	eye	O	haftaót		✓										✓					✓	-ot -ot		
			T	áin	eináim	2σ		✓			✓					✓		✓	✓				-aim -aim	
	2;06.19	ear	O	eináim		✓										✓		✓	✓				-aim -aim	
			T	ózen	oznáim	2σ		✓			✓					✓		✓			✓		-aim -aim	
	2;06.19	sock	O	oznáim		✓										✓		✓					-aim -aim	
			T	gérev	garbáim	2σ		✓			✓					✓		✓	✓		✓			-aim
2;06.29	picture	O	garbáim		✓			✓						✓		✓	✓		✓				-aim	
		T	tmuná	tmunót	2σ		✓						✓			✓				✓	-ot -ot			
2;06.29	hand	O	tmunót		✓								✓			✓				✓	-ot -ot			
		T	yad	yadáim	1σ		✓						✓			✓						-aim -aim		
2;06.29	drinking glass	O	yadáim		✓									✓		✓						-aim -aim		
		T	kos	kosót	1σ		✓						✓			✓	✓				-ot -ot			
2;06.29	duck	O	kosót		✓										✓	✓					-ot -ot			
		T	barváz	barvazi' m	2σ		✓						✓			✓	✓				-im -im			
2;06.29		O	barvazi' m (repetition)		✓										✓	✓					-im -im			

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.				-aim		
								Final segment		Final segment		Final segment												
								C t	V a.o	C t	V a.o	C t	V a.o											
	2;06.29	cat	T	xatúl	xatulí m	2σ							✓			✓	✓			-im				
			O	xatúl	xátulí m		✓					✓			✓	✓			-im					
	2;06.29	block	T	kubiyá	kubiyót	3σ							✓			✓			✓	-ot				
			O		kubiyót		✓								✓				✓	-ot				
	2;06.29	tower	T	migdál	migdali' m	2σ							✓			✓	✓			-im				
			O	migdál	migdali' m		✓						✓			✓	✓			-im				
	2;06.29	bird	T	cipór	ciporí' m	2σ							✓			✓	✓				-im			
			O		ciporí' m		✓									✓	✓				-im			
	2;06.29	stair	T	madregá	madregót	3σ							✓			✓				✓	-ot			
			O		mabegót		✓									✓				✓	-ot			
	2;07.19	glitter	T	nácnac	nácnacim	2σ				✓					✓						-im			
			O		nácnasim		✓								✓						-im			
	2;07.19	foot	T	régel	ragláim	2σ				✓						✓	✓	✓	✓	✓			-aim	
			O		ragláim (repetition)		✓									✓		✓	✓	✓			-aim	
	2;07.19	color	T	céva	cvaí' m	2σ					✓						✓	✓		✓	-im			
			O		cvaí' m		✓										✓	✓		✓	-im			
	2;07.19	stair	T	madregá	madregót	3σ							✓				✓			✓	-ot			
			O		mavregót madregót (repetition)		✓										✓			✓	-ot			
	2;07.19	shape	T	curá	curót	2σ							✓				✓			✓	-ot			
			O		curót		✓										✓			✓	-ot			
	2;08.02	shoe	T	ná.al	na.aláim	2σ				✓						✓	✓						-aim	
			O		naaláim		✓									✓	✓						-aim	
	2;08.02	flower	T	pérax	praxi' m	2σ				✓							✓	✓		✓	-im			
			O		praxí' m		✓										✓	✓		✓	-im			
	2;08.02	rubber band	T	gumiyá	gumiyót	3σ							✓				✓			✓	-ot			
			O		gumiyót (repetition)		✓										✓			✓	-ot			
	2;08.02	block	T	kubiyá	kubiyót	3σ							✓				✓			✓	-ot			
			O		kubiyót		✓										✓			✓	-ot			
	2;08.02	foot	T	régel	ragláim	2σ				✓						✓	✓	✓	✓				-aim	
			O		régel gagláim		X			✓							✓						-aim	
	2;08.02	ear	T	ózen	oznám	2σ				✓						✓	✓		✓	✓			-aim	
			O		oznám		✓									✓	✓		✓	✓			-aim	
	2;08.02	stick	T	makél	maklót	2σ							✓				✓	✓		✓			-ot	
			O	makél	takalót makelót		✓							✓				✓	✓		X		-ot	
	2;08.02	picture	T	tmuná	tmunót	2σ							✓				✓			✓	-ot			
			O		tmu:nót (repetition)		✓										✓			✓	-ot			
2;08.02	foot		T	régel	ragláim	2σ				✓					✓		✓	✓	✓			-aim		

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix			
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.				-aim			
								Final segment		Final segment		Final segment													
								C	V	C	V	C	V												
	2;08.02	root	O		ragláim		✓	t	a.o	V	t	a.o	V	t	a.o		✓		✓		✓				-aim
	2;08.02	hand	T	yad	yadáim	1σ								✓			✓		✓						-aim
			O		yadáim (repetition) yadáim		✓										✓		✓						-aim
	2;08.02	circle	T	ígúl	igulí m	2σ								✓				✓		✓				-im	
			O		ígulí m		✓											✓		✓				-im	
	2;08.02	eye	T	áin	eináim	2σ					✓						✓		✓		✓			-aim	
			O		eináim		✓										✓		✓		✓			-aim	
	2;08.19	cow	T	pará	parót	2σ								✓				✓				✓	-ot		
			O		parót		✓												✓			✓	-ot		
	2;08.19	animal	T	xayá	xayót	2σ								✓				✓			✓	-ot			
			O		xayót		✓												✓			✓	-ot		
	2;08.19	under-wear	T	taxtón	taxtoní m	2σ								✓				✓	✓				-im		
			O		taxtoní m		✓												✓	✓			-im		
	2;08.19	pants	T	mixnás	mixnasáim	2σ								✓			✓		✓				-aim		
			O		mixnasáim		✓												✓				-aim		
	2;08.19	hand	T	yad	yadáim	1σ								✓			✓		✓				-aim		
			O		yadáim		✓											✓		✓			-aim		
	2;08.19	block	T	kubiyá	kubiyót	3σ									✓			✓			✓	-ot			
			O		kubiyót		✓												✓			✓	-ot		
	2;08.19	line	T	kav	kaví m	1σ								✓				✓	✓			-im			
			O		kav	kaví m		✓							✓				✓	✓			-im		
	2;08.19	umbrella	T	mitriyá	mitriyót	3σ									✓			✓			✓	-ot			
			O		mitriyá	mitriyót		✓								✓			✓			✓	-ot		
	2;08.19	flower	T	pérax	praxí m	2σ					✓							✓	✓		✓	-im			
			O		praxí m		✓												✓	✓		✓	-im		
	2;08.19	apple	T	tapúax	tapuxí m	2σ					✓							✓	✓		✓	-im			
			O		tapuxí m		✓												✓	✓		✓	-im		
	2;08.19	cat	T	xatúl	xatulí m	2σ								✓				✓	✓			-im			
			O		xatulí m		✓												✓	✓			-im		
	2;08.19	tail	T	zanáv	znavót	2σ								✓				✓	✓		✓		-ot		
			O		zanáv		X								✓										
	2;08.19	part	T	xélek	xalakí m	2σ					✓							✓		✓		-im			
			O		xélek	xalakí m		✓				✓							✓	✓		✓	-im		
	2;08.19	eye	T	áin	eináim	2σ					✓						✓		✓		✓		-aim		
			O		eináim		✓											✓		✓		✓	-aim		
	2;08.19	card	T	klaf	klafí m	1σ								✓				✓				-im			
			O		klafí m		✓												✓				-im		
	2;08.19	auto-mobile	T	mexoni t	mexoniót	3σ							✓					✓	✓		✓	-ot			
			O		maxoniyót toxniót		✓ ✓												✓	✓		✓	-ot -ot		

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix					
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim			
								Final segment		Final segment		Final segment													
								C	V	C	V	C	V												
			t	a.o		t	a.o		t	a.o															
	2;08.19	ear	T	ózen	oznáim	2σ					✓					✓		✓		✓				-aim	
			O		oznáim		✓										✓		✓		✓			-aim	
	2;08.19	ice cream	T	glí da	glí dot	2σ					✓					✓				✓	-ot				
			O		glí dot		✓									✓				✓	-ot				
	2;08.19	drinking glass	T	kos	kosót	1σ						✓						✓	✓		-ot				
			O		kosót		✓											✓	✓		-ot				
	2;08.19	fish	T	dag	dagí m	1σ						✓						✓	✓		-im				
			O		dagí m		✓											✓	✓		-im				
	2;08.19	ball	T	kadúr	kadurí m	2σ						✓							✓	✓		-im			
			O		kadurí m		✓												✓	✓		-im			
	2;08.19	banana	T	banána	banánót	3σ					✓								✓			-ot			
			O		banánót		✓												✓			-ot			
	2;08.19	corn	T	tí ras	tí rasim	2σ					✓				✓							-im			
			O		tí ras		X				✓														
	2;08.19	water-melon	T	avati' ax	avatixi' m	4σ					✓								✓	✓		✓	-im		
			O		teovati' ax		X				✓														
	2;08.19	friend	T	xavér	xaverí m	2σ							✓						✓	✓		-im			
			O		xaverí m		✓												✓	✓		-im			
	2;08.19	doll	T	bubá	bubót	2σ								✓					✓			✓	-ot		
			O		bubót (repetition)		✓													✓			✓	-ot	
	2;08.19	game	T	mixák	mixaki' m	2σ							✓						✓	✓		-im			
			O	mixák	mitxaki' m		✓					✓								✓	✓		-im		
	2;08.19	baby	T	tinók	tinokót	2σ							✓							✓	✓			-ot	
			O		tinokót		✓													✓	✓			-ot	
	2;08.19	hand	T	yad	yadáim	1σ							✓						✓					-aim	
			O		yadáim		✓												✓					-aim	
	2;08.19	flower	T	pérax	praxí m	2σ					✓									✓	✓		✓	-im	
			O		praxí m		✓														✓	✓		-im	
	2;9.06	sticker	T	madbeká	madbekót	3σ								✓						✓			✓	-ot	
			O		madbekót		✓														✓			✓	-ot
	2;9.06	friend	T	xavér	xaverí m	2σ							✓							✓	✓		-im		
			O		xaverí m		✓														✓	✓		-im	
2;9.06	thunder	T	barák	braki' m	2σ							✓							✓	✓		✓	-im		
		O		baraki' m		✓														✓	✓		X	-im	
2;9.06	shoe	T	ná.al	na.aláim	2σ					✓									✓				-aim		
		O		na.aláim		✓													✓				-aim		
2;9.06	train	T	rakévet	rakavót	3σ					✓									✓	✓		✓	-ot		
		O	rakévet	rakévet		✓				✓															
2;9.06	drop	T	tipá	tipót	2σ								✓							✓			✓	-ot	
		O		tipót		✓															✓			✓	-ot
2;9.06	present	T	mataná	matanót	3σ								✓							✓			✓	-ot	
		O		matanót		✓															✓			✓	-ot

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix				
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim		
								Final segment		Final segment		Final segment												
								C t	V a.o	C t	V a.o	C t	V a.o											
	2;9.06	part	T	xélek	xalaki' m	2σ					✓					✓	✓	✓			-im			
			O	xélek	xalaki' m		✓								✓	✓	✓			-im				
	2;9.06	dwarf	T	gamád	gamadi' m	2σ						✓				✓	✓	✓			-im			
			O		gamadi' m		✓								✓	✓	✓			-im				
	2;9.06	song	T	fír	firi' m	1σ							✓			✓	✓	✓			-im			
			O		seri' m		✓									✓	✓	✓			-im			
	2;9.13	eye	T	áin	eináim	2σ					✓				✓		✓	✓				-aim		
			O		eináim		✓								✓		✓	✓				-aim		
	2;9.13	puzzle	T	pázel	pázelim	2σ					✓				✓						-im			
			O		pázelim		✓								✓						-im			
	2;09.17	stair	T	madregá	madregót	3σ							✓				✓			✓	-ot			
			O		mavregót		✓										✓			✓	-ot			
	2;09.17	sweet	T	mamták	mamtaki' m	2σ							✓				✓	✓			-im			
			O		mamtaki' m		✓										✓	✓			-im			
	2;09.17	tooth	T	fen	fináim	1σ							✓			✓		✓	✓				-aim	
				fen	sináim		✓						✓			✓		✓	✓				-aim	
			O		fináim (repetition)		✓									✓		✓	✓				-aim	
	2;09.17	glitter	T	nácnac	nácnacim	2σ					✓				✓						-im			
			O		nátnasim		✓								✓						-im			
	2;09.17	pants	T	mixnás	mixnasáim	2σ							✓			✓		✓				-aim		
			O		mixnasáim		✓									✓		✓				-aim		
	2;09.17	child	T	yéled	yeladi' m	2σ					✓						✓	✓	✓		-im			
			O		yeladi' m		✓										✓	✓	✓		-im			
	2;09.17	dwarf	T	gamád	gamadi' m	2σ							✓				✓	✓			-im			
			O		gámadim		✓								X			X			-im			
					gamadi' m		✓										✓	✓			-im			
	2;09.17	part	T	xélek	xalaki' m	2σ					✓						✓	✓	✓		-im			
			O	xélek	xalaki' m		✓				✓						✓	✓	✓		-im			
	2;09.17	hand	T	yad	yadáim	1σ							✓			✓		✓				-aim		
			O		yadáim		✓									✓		✓				-aim		
	2;09.17	game	T	misxák	misxaki' m	2σ							✓				✓	✓			-im			
			O	misxák	misxaki' m		✓						✓				✓	✓			-im			
	2;09.17	feather	T	nocá	nocót	2σ								✓			✓			✓	-ot			
			O		nosót		✓										✓			✓	-ot			
	2;09.28	sticker	T	madbeká	madbekót	3σ							✓				✓			✓	-ot			
			O		madbekót		✓										✓			✓	-ot			
2;09.28	card	T	klaf	klafi' m	1σ							✓				✓	✓			-im				
		O		klaf' m		✓										✓	✓			-im				
2;09.28	shoe	T	ná.al	na.aláim	2σ					✓						✓					-aim			
		O		naaláim		✓										✓					-aim			
2;09.28	sock	T	gérev	garbáim	2σ					✓						✓	✓	✓			-aim			
		O		garbáim		✓										✓	✓	✓			-aim			

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.				-aim		
								Final segment		Final segment		Final segment												
								C	V	C	V	C	V											
			t	a.o		t	a.o		t	a.o														
	2;09.28	dot	T	nekudá	nekudót	3σ								✓			✓			✓	-ot			
			O		nekudót		✓										✓			✓	-ot			
	2;09.28	sticker	T	madbeká	madbekót	3σ								✓			✓			✓	-ot			
			O	madbeká	malbekót		✓									✓			✓	-ot				
	2;09.28	color	T	céva	cvaí m	2σ					✓						✓	✓		✓	-im			
			O	céva	cevaí m		✓				✓						✓	✓		X	-im			
	2;09.28	ear	T	ózen	oznám	2σ					✓						✓	✓		✓			-aim	
			O		oznámim		✓									✓		✓	✓		✓		-aim	
	2;09.28	cloud	T	anán	anani m	2σ								✓			✓	✓				-im		
			O	anán	anani m		✓							✓			✓	✓				-im		
	2;09.28	tail	T	zanáv	znavót	2σ								✓			✓	✓		✓			-ot	
			O	zanáv	zanavi m		✓							✓			✓	✓		X	-im			
	2;09.28	foot	T	régel	raglám	2σ					✓						✓	✓	✓	✓			-aim	
			O		raglámim		✓									✓		✓	✓	✓			-aim	
	2;09.28	straw-berry	T	tut	tútím	1σ								✓			✓					-im		
			O	tut	tuti m		✓											X				-im		
	2;09.28	necklace	T	farféret	farferaót	3σ					✓							✓	✓		✓	-ot		
				féret	fím		✓				✓							✓	✓		X		-im	
			O	farféret (repetition)	fútím		✓				✓					X			X		X		-im	
					faxserót		✓											✓	✓		X	-ot		
	2;09.28	pin	T	siká	sikót	2σ								✓			✓			✓	-ot			
				kiká	tikót		✓										✓			✓	-ot			
			O		sikót		✓											✓			✓	-ot		
	2;09.28	window	T	xalón	xalonót	2σ								✓			✓	✓				-ot		
			O		xaloni m		✓										✓	✓				-im		
	2;10.03	flower	T	pérax	praxi m	2σ					✓						✓	✓		✓	-im			
			O		praxi m		✓										✓	✓		✓	-im			
	2;10.03	ant	T	nemalá	nemali m	3σ								✓			✓			✓		-im		
			O		nemalót		✓										✓			✓	-ot			
	2;10.03	stone	T	éven	avani m	2σ					✓						✓	✓	✓			-im		
			O		avani m		✓										✓	✓	✓			-im		
	2;10.03	child	T	yéled	yeladi m	2σ					✓						✓	✓	✓			-im		
			O		yeladi m		✓										✓	✓	✓			-im		
	2;10.03	kinder garden teacher	T	ganénet	gananót	3σ					✓						✓	✓	✓	✓	-ot			
			O		gananót		✓										✓	✓	✓	✓	-ot			
	2;10.03	stair	T	madregá	madregót	3σ								✓			✓			✓	-ot			
			O		mavregót		✓										✓			✓	-ot			
	2;10.03	shoe	T	na.al	na.alám	2σ					✓						✓						-aim	
			O		naalám		✓										✓						-aim	
2;10.03		sock	T	gérev	garbám	2σ					✓					✓		✓	✓					

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Number of σ in the sg.	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
								Ante- Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.				-aim		
								Final segment		Final segment		Final segment												
								C t	V a.o	C t	V a.o	C t	V a.o											
	2;10.03	sock	O		garbáim		✓								✓		✓	✓	✓				-aim	
	2;10.03	freckle	T	nêmeʃ	nemaʃí m	2σ				✓						✓	✓	✓		-im				
			O		dayʃí m		✓								✓	✓	✓		-im					
	2;10.03	tear	T	dimá	dmaót	2σ							✓			✓	✓		✓		-ot			
			O		dmaót		✓								✓	✓		✓		-ot				
	2;10.03	drop	T	tipá	tipót	2σ							✓			✓			✓		-ot			
			O		tipót		✓								✓			✓		-ot				
	2;10.03	sticker	T	madbeká	madbekót	3σ							✓			✓			✓		-ot			
			O		madbekót		✓								✓			✓		-ot				
	2;10.03	tentacle	T	maxôʃ	mexoʃí m	2σ							✓				✓	✓	✓		-im			
			O		mexoʃí m		✓									✓	✓	✓		-im				
	2;10.03	bunny	T	faíán	fíani m	2σ							✓				✓	✓		✓		-im		
			O	faíán	fafaní m		✓						✓			✓	✓		X		-im			
	2;10.03	mouse	T	axbár	axbarí m	2σ							✓				✓	✓			-im			
			O		axbarí m		✓									✓	✓			-im				
	2;10.03	balloon	T	balón	baloní m / balónim	2σ							✓			✓	✓	✓			-im			
			O		baloní t		✓									✓	✓			-im				
	2;10.03	flower	T	pérax	praxí m	2σ					✓						✓	✓		✓		-im		
			O		praxí m		✓										✓	✓		✓		-im		
	2;10.03	ice cream	T	glí da	glí dot	2σ						✓				✓				✓		-ot		
			O		glí da		X					✓												
	2;10.03	person	T	íʃ	anaʃí m	1σ							✓				✓	✓	✓	✓	-im			
			O		íʃí m		✓										✓	✓		X	X	-im		
	2;10.03	wafer	T	váfel	váfíim	2σ						✓					✓			✓		-im		
			O		báfíim		✓									✓				✓		-im		
	2;10.03	dishware	T	kli	keli m	1σ								✓				✓		✓		-im		
			O		kalí		✓										✓			X		-im		
	2;10.03	lion	T	aryé	arayót	2σ								✓				✓			✓		-ot	
O			aryé	arayí m		X						✓					✓			✓		-im		
2;10.03	under-wear	T	taxtón	taxtoní m	2σ							✓				✓	✓			-im				
		O		taxtoní m		✓										✓	✓			-im				

Appendix 6 -Quantitative Productions analysis

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix					
							Ante-Penult.			Penult.			Final						Ante-Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.	-aim
							Final segment		V	Final segment		V	Final segment		V									
							C	t		C	t		C	t										
I	1;05.29	shoe	T	ná.al	na.aláim						✓					✓								-aim
			O		óná	1								1										
					na	1								1										
					nay	1									1									
	1;07.10	flower	T	pérax	praxi m						✓					✓	✓		✓				-im	
			O		paxá	1								1										
			T	kubiyá	kubiyót									✓		✓		✓	-ot					
			O	ayá:	bo:t	2								2		2	4	4	2	4				
	1;08.27	butterfly	T	parpár	parpari m								✓			✓	✓		✓	-im				
			O		papari :m	2									2	2	4	4	2					
	1;08.27	sock	T	gérev	garbáim						✓					✓	✓	✓	✓	-aim				
			O		əbáim	2									2		2	2	2			2		
	1;09.11	shoe	T	ná.al	na.aláim						✓					✓		✓		-aim				
			O		aláim	2									2		2	4	4			2		
	1;09.11	sock	T	gérev	garbáim						✓					✓		✓	✓	-aim				
			O		baí m	2									2		2	2	2			2		
	1;09.19	block	T	kubiyá	kubiyót									✓		✓		✓	-ot					
			O		bí ot ^b	2									1		3	4	2	4				
	1;09.19	sock	T	gérev	garbáim						✓					✓		✓	✓	-aim				
			O		a ^h bái	2									2		2	2	2			2		
	1;09.19	shoe	T	ná.al	na.aláim						✓					✓		✓		-aim				
			O		nalái	2									2		2	4	4			2		
	1;10.00	eye	T	áin	eínáim						✓					✓		✓	✓	-aim				
			O		e.na.əi	2									2		2	2	4			2		
	1;10.00	pants	T	mixnás	mixnasáim								✓			✓		✓		-aim				
			O		a ^h táim	2									2		2	4	4			2		
	1;10.00	sock	T	gérev	garbáim						✓					✓		✓	✓	-aim				
			O		ubát	1						1												
					padái	2									2		2	2	2			2		
					ale:báim	2										2		2	1	2			2	
	1;10.00	foot	T	régel	ragláim						✓					✓		✓	✓	-aim				
			O		hayáim	2									2		2	2	2			2		
1;10.00	pin	T	siká	sikót									✓		✓		✓	-ot						
		O		θitót	2										2	4	4	2	4					
1;10.00	drop	T	tipá	tipót									✓		✓		✓	-ot						
		O		t'ipót (repetition)	2										2	4	4	2	4					
1;10.27	block	T	kubiyá	kubiyót									✓		✓		✓	-ot						
		O		hàbiót	2										2	4	4	2	4					
1;10.27	hair	T	seará	searót									✓		✓		✓	-ot						
		O		feót	2										2	4	4	2	4					

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix			
							Ante-Penult.			Penult.			Final		Ante-Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim	
							Final segment		Final segment		Final segment													
							C	V	C	V	C	V												
							t	a.o	V	t	a.o	V												
	1;10.27	ear	T	ózen	oznáim						✓				✓		✓		✓			-aim		
			O	ózen	1						2													
	1;10.27	foot	T	régl	ragláim						✓				✓		✓	✓	✓			-aim		
			O	agáim	2										2		2	2	2			2		
	1;10.27	shoe	T	ná.al	na.aláim						✓				✓		✓					-aim		
			O	yáim	2										2		2	4	4			2		
	1;10.27	eye	T	áin	eináim						✓				✓		✓	✓				-aim		
			O	anáim	2										2		2	1	4			2		
			O	aynáim	2										2		2	1	4			2		
	1;10.27	circle	T	igúl	iguli m								✓			✓	✓	✓		-im				
			O	ugaí m	2											2	2	4	4	2				
	1;10.27	sticker	T	madbeká	madbekót								✓			✓			✓	-ot				
				abeká	mafekót	2						2			2	4	4	2	4					
			O	aboseká	1							2												
				abaká	1								2											
	1;11.18	candy	T	sukaryá	sukaryót								✓			✓			✓	-ot				
			O	súkayót	2											2	4	4	2	4				
	1;11.18	tooth	T	fen	fináim								✓		✓		✓	✓				-aim		
			O	fináim	2										2		2	2	4			2		
	1;11.18	foot	T	régl	ragláim						✓				✓		✓	✓	✓			-aim		
			O	gláim	2										2		2	2	2			2		
	1;11.18	picture	T	tmuná	tmunót									✓		✓			✓	-ot				
			O	tumót	2											2	4	4	2	4				
	1;11.25	bird	T	cipór	ciporí m								✓			✓	✓			-im				
			O	fipór	cēporí m	2							2			2	2	4	4		2			
	1;11.25	eye	T	áin	eináim						✓				✓		✓	✓				-aim		
			O	enai:m	2											1	2	2	4			2		
	1;11.25	animal	T	xayá	xayót									✓		✓			✓	-ot				
			O	xayót	2											2	4	4	2	4				
	2;00.02	foot	T	régl	ragláim						✓				✓		✓	✓	✓			-aim		
			O	maxgláim	2										2		2	2	2			2		
	2;00.02	shoe	T	ná.al	na.aláim						✓				✓		✓					-aim		
			O	nayái	2										2		2	4	4			2		
			O	nayáim	2										2		2	4	4			2		
	2;00.02	pants	T	mixnás	mixnasáim								✓		✓		✓					-aim		
			O	maze:sáim	2										2		2	4	4			2		
Nubmer of production "errors"						10	0	0	0	0	0	1	1	1	4	0	1	1	0	3	0	0	1	0
% of production "errors"						20.41	0.00	0.00	0.00	0.00	0.00	100.00	100.00	50.00	50.00	0.00	4.00	7.14	0.00	7.69	0.00	0	50	0.00
Number of faithful productions						39	0	0	0	0	1	0	0	1	4	0	24	13	28	14	22	2	1	24
% of faithful productions						79.59	0.00	0.00	0.00	0.00	100.00	0.00	0.00	50.00	50.00	0.00	96.00	92.86	71.79	35.90	56.41	15	50	100.00
																		1	0	0	0	0	0	
																		2.56	0.00	0.00	0	0	0.00	
																		10	22	17	11	0	0	
																		25.64	56.41	43.59	85	0	0.00	
total "error" productions																		1	3	0	0	1	0	
total % of "error" productions																		2.5641	7.6923077	0	0	50	0	
total faithful productions																		38	36	39	13	1	24	
total % of faithful productions																		97.44	92.31	100.00	100	50	100.00	
II	2;00.09	eye	T	áin	eináim						✓				✓		✓	✓				-aim		

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix					
							Ante-Penult.			Penult.			Final						Ante-Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.	-aim
							Final segment		V	Final segment		V	Final segment		V									
							C	t		a.o	C		t	a.o										
			O		enáim	2								2		2	2	4			2			
2;00.09	circle	O	T	igúl	igulí m							✓			✓	✓	✓	4	4	-im				
					glukulí m	2								2	2	4	4	2						
					ʔigkuzí m	2								2	2	4	4	2						
					ukufim	2								2	2	4	4	2						
					kui:m	2								2	2	4	3	2						
2;00.09	butterfly	O			hikxolí m	2								2	2	4	4	2						
			T	parpár	parpari m						✓			✓	✓			-im						
					paxpár	1						2												
			T	dov	dubí m						✓			✓	✓	✓		-im						
			O		đubí m	2								2	2	2	4	2						
2;00.09	candy	O	T	sukaryá	sukaryót						✓			✓			✓	-ot						
					cuká	(repetition)	2					2		2	4	4	4	4						
2;00.16	cheek	O	T	léxi	lexayáim					✓				✓	✓	✓	✓			-aim				
					xayái:	2							2		2	2	2		2					
					xayái	2							2		2	2	2		2					
2;00.16	eye	O	T	áin	eináim					✓				✓	✓	✓			-aim					
					eináim	2								2		2	2	4		2				
2;00.16	child	O	T	yéled	yeladí m					✓					✓	✓	✓		-im					
					ya:gtí m	2								2	2	2	3	2						
					ya:tf m	2								2	2	2	3	2						
					yotí m (repetition)	2								2	2	1	3	2						
2;00.16	star	O	T	koxáv	koxavi m						✓			✓	✓			-im						
					xoví m	2							2	2	4	3	2							
2;00.16	picture	O	T	tmuná	tmunót							✓		✓			✓	-ot						
					pudnót	2								2	4	4	2	4						
2;00.16	boot	O			əmnót	2								2	4	4	2	4						
			T	magáf	magafáim						✓			✓	✓			-aim						
2;00.16	pants	O			pahofaí m (repetition)	2								1	2	4	4		2					
			T	mixnás	mixnasáim						✓			✓	✓			-aim						
2;00.16	tooth	O			xisáim	2								2		4	3		2					
			T	fen	fináim							✓			✓	✓		-aim						
2;00.16	foot	O			finaí m (repetition)	2								2		2	4		2					
			T	régl	ragláim					✓				✓		✓	✓		-aim					
2;00.16	hand	O			tixláim	2								2		1	2		2					
			T	yad	yadáim						✓			✓	✓		-aim							
2;00.16	candy	O			iðáim	2								2		4	4		2					
			T	sukaryá	sukaryót						✓			✓			✓	-ot						
2;00.26	house	O			cúkayót	2								2	4	4	2	4						
					súkayót	2							2	4	4	2	4							
2;00.29	picture	O	T	báit	bati m					✓				✓	✓		✓	-im						
					baití:	2								2	2	4	1	2						
2;00.29	ant	O	T	tmuná	tmunót							✓		✓			✓	-ot						
					tunlót	2								2	4	4	2	4						
2;00.29	ant	O	T	nemalá	nemali m							✓		✓			✓	-im						
					malá	2						2			2	4	4	2	2					
				malí	2									2	4	4	2		2					

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix					
							Ante-Penult.			Penult.			Final						Ante-Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.	-aim
							Final segment		V	Final segment		V	Final segment		V									
							C	a.o		C	a.o		C	a.o										
	2;00.29	bus	T O	ótobus ótobusi	otobúsím ótobusi	 2		✓						1	✓		✓	4	4	-im 2				
	2;00.29	car	T O	óto óto	ótoim óto	1				✓	2			2						2				
	2;00.29	stair	T O	madregá madgót	madregót madgót	2							✓		2	✓	4	4	2	4				
	2;00.29	shoe	T O	ná.al naláim	na.aláim naláim	2			✓						✓	2	✓	4	4			-aim 2		
	2;01.06	eye	T O	áin enái	eináim enái	2			✓						✓	2	✓	2	4			-aim 2		
	2;01.06	fruit	T	pri	perót							✓			✓	2	4	4	2			-ot 4		
O				perót (repetition)	2								2	4	4	2		4						
				parót	2									2	4	4	2		4					
	2;01.06	foot	T O	régel régel akáim	ragláim régel akáim	 1 2			✓ 2						✓ 2		✓ 2	✓ 2	✓ 2			-aim 2		
	2;01.06	sticker	T O	madbeká balakót ðabekót	madbekót balakót ðabekót	2 2						✓			✓ 2	4 4	4 4	2 2	4 4					
	2;01.12	shoe	T O	ná.al naláim	na.aláim naláim	2			✓						✓ 2	✓ 2	✓ 2	4 4	4 4			-aim 2		
	2;01.12	house	T O	báit báit	bati m báit	 1			✓ 2						✓ 2	✓ 2		✓ 2		-im 4				
	2;01.12	ear	T O	ózen odzáim ozláim	oznáim odzáim ozláim	2 2			✓						✓ 2	✓ 2	✓ 2	4 4	2 2			-aim 2		
	2;01.12	eye	T O	áin enáim	eináim enáim	2			✓						✓ 2	✓ 2	✓ 2	4 4				-aim 2		
	2;01.12	candy	T O	sukaryá sakoyót	sukaryót sakoyót	2						✓			✓ 2	4	4	2	4	-ot 4				
	2;01.12	dishware	T O	kli kalí m	keli m kalí m	2							✓		✓ 2	4	4	2	2	-im -ot				
	2;01.12	rubber band	T O	gumiyá ugiyí m	gumiyót ugiyí m	2						✓			✓ 2	4	4	2			3			
	2;01.12	hair	T O	seará saarót	searót saarót	2						✓			✓ 2	4	4	2	4	-ot 4				
	2;01.19	shoe	T	ná.al	na.aláim			✓							✓		✓					-aim		
O			nál (repetition)	naláim	2			2					2		2	4	4			2				
			náal (repetition)	nái	2			2						2		2	4	3			2			
	2;01.19	doll	T O	bubá bubót	bubót bubót	2						✓			✓ 2	4	4	2	4	-ot 4				
	2;01.19	cloud	T O	anán anáni m	anani m anani m	2						✓			✓ 2	✓ 2	✓ 4		2	-im 4				
	2;01.19	animal	T O	xayá xayót	xayót xayót (repetition)	2							✓		✓ 2	4	4	4	4	-ot 4				
	2;01.19		T	ðvorá	ðvori m							✓			✓			✓			-im			

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							Ante-Penult.			Penult.			Final		Ante-Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim	
							Final segment		Final segment		Final segment													
							C	V	C	V	C	V												
							t	a.o		t	a.o	V	t	a.o	V									
	2;01.19	bee	O		ciborí m	2										2	4	4	2		2			
	2;01.19	lion	T	aryé	arayót								✓			✓	4	4	2		-ot			
			O	aryé	axayót	2					2		2	4	4	2		4						
					arayót (repetition)	2						2	4	4	2		4							
	2;01.19	bird	T	cipór	ciporí m								✓			✓	✓		2		-im			
	2;01.19	fruit	O		ciporí m	2									2	2	4	4		2				
			T	pri	perót								✓		✓		✓		-ot					
			O		perót (repetition)	2										2	4	4	2		4			
Nubmer of production "errors"						4	0	0	0	0	0	0	0	0	1	0	1	1	2	1	0	0	0	
% of production "errors"						6.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	2.63	1.79	3.57	1.79	0	0	0.00		
Number of faithful productions						56	0	0	0	1	3	1	0	2	3	1	17	37	31	11	28	15	4	18
% of faithful productions						93.33	0.00	0.00	0.00	100.00	100.00	100.00	0.00	100.00	100.00	50.00	100.00	97.37	55.36	19.64	50.00	54	36	100.00
																	0	0	7	0	1	0		
																	0.00	0.00	12.50	0	9	0.00		
																	24	43	20	13	6	0		
																	42.86	76.79	35.71	46	55	0.00		
total "error" productions																	1	2	8	0	1	0		
total % of "error" productions																	1.7857	3.5714286	14.28571	0	9.0909	0		
total faithful productions																	55	54	48	28	10	18		
total % of faithful productions																	98.21	96.43	85.71	100.00	90.91	100.00		
III	2;01.27	glitter	T	nácnac	nácnacim					✓				✓							-im			
			O		dacací :	2										1	1	4	4	2				
						nacací :	2									1	1	4	4	2				
					ácacim (repetition)	2								2			4	4	4	2				
	2;01.27	butterfly	T	parpár	parparí m							✓			✓	✓					-im			
			O		parparí m	2								2	2	4	4	2						
	2;01.27	story	T	sipúr	sipurí m							✓			✓	✓					-im			
			O	sipúr	sipúrim	2							2			1	1	4	4	2				
	2;02.04	bracelet	T	camí d	cmidí m							✓			✓	✓			✓		-im			
			O		camí d	1							2											
	2;02.04	rubber band	T	gumiyá	gumiyót								✓			✓				✓		-ot		
			O		gumiyót	2										2	4	4	2	4				
	2;02.04	eye	T	áin	eináim					✓						✓	✓	✓				-aim		
			O		eináim	2										2	2	2	4			2		
	2;02.11	animal	T	xayá	xayót								✓			✓		✓		✓		-ot		
			O		xayót	2										2	4	4	2	4				
	2;02.11	mouse	T	axbár	axbarí m								✓			✓	✓					-im		
			O	axbár	axbarí m	2										2	2	4	4	2				
	2;02.18	bear	T	đov	đubí m								✓			✓	✓	✓		✓		-im		
			O		đubí m	2										2	2	2	4	2				
2;02.18	flower	T	pérax	praxi m					✓						✓	✓			✓		-im			
		O	péax	péax	1					2														
2;02.18	cat	T	xatúl	xatulí m								✓			✓	✓					-im			
		O	xatúl	xatulí m	2								2			2	2	4	4	2				
2;02.18	sock	T	gérev	garbáim					✓						✓		✓	✓	✓		-aim			
		O		tabarí m	2										1	1	2	2			1			
					gabáim	2									2	2	2	2				2		

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							Ante-Penult.			Penult.			Final						Ante-Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.	-aim
							Final segment		V	Final segment		V	Final segment		V									
							C	t		C	t		C	t										
	2;02.18	bird	T O	cipór cipór	ciporí m parexí m								✓ 2		✓ 2	✓ 2		3 1		-im 2				
	2;02.18	painting	T O	ciyúr (repetition)	ciyurí m (repetition)								✓ 2		✓ 2	✓ 2				-im 2				
	2;02.24	key	T O	mañéax pafatxót	mañexót pafatxót				✓						✓ 2	✓ 2		✓ 4	✓ 1		-ot 2			
	2;02.24	fish	T O	dag dagí m	dagi m dagí m							✓ 2			✓ 2	✓ 2				-im 4				
	2;02.24	story	T O	sipúr sipúr	sipuri m sapurí m							✓ 2			✓ 2	✓ 2		✓ 4	✓ 4		-im 2			
					siburí m sipurí m	2 2									2 2	2 2		4 4	4 4	2 2				
	2;02.24	book	T O	séfer sfarí m	sfari m (repetition)				✓						✓ 2	✓ 2		✓ 2	✓ 2		-im 2			
	2;02.24	child	T O	yéled ena.adí m	yeladi m ena.adí m				✓ 2						✓ 2	✓ 2		✓ 2		-im 3				
	2;02.24	color	T O	céva cvaí m	evai m cvaí m					✓ 2					✓ 2	✓ 2		✓ 4	✓ 2		-im 2			
	2;02.24	hand	T O	yad yadám	yadaim yadám							✓ 2			✓ 2	✓ 2				-aim 4				
	2;02.24	tentacle	T O	maxóf mexofí m	mexofi m (repetition) mexotfí m xufi m							✓ 2			✓ 2	✓ 2		✓ 2		-im 4				
	2;02.24	tooth	T O	fén fnám	finaim fnám							✓ 2			✓ 2	✓ 2		✓ 2		-aim 4				
	2;02.24	dishware	T O	kli kalí m	keli m kalí m							✓ 2			✓ 2			✓ 4	✓ 2		-im 2			
	2;02.24	foot	T O	régel haglám	raglaim haglám				✓ 2						✓ 2	✓ 2		✓ 2	✓ 2		-aim 2			
	2;03.01	ponytail holder	T O	kukiyá sukoyót kukayót kukiyót	kukiyót sukoyót kukayót kukiyót							✓ 2			✓ 2			✓ 4	✓ 2		-ot 4			
	2;03.01	butterfly	T O	parpár parperí m	parparí m parperí m							✓ 2			✓ 2	✓ 2			✓ 4	✓ 4		-im 2		
	2;03.01	doll	T O	bubá bubót	bubót bubót							✓ 2			✓ 2			✓ 4	✓ 2		-ot 4			
	2;03.01	fish	T O	dag dagí m	dagi m dagí m							✓ 2			✓ 2	✓ 2			✓ 4	✓ 4		-im 2		
	2;03.01	dishware	T O	kli kalí m	keli m kalí m							✓ 2			✓ 2			✓ 4	✓ 2		-im 2			
	2;03.01	person	T O	íj anafí m	anafí m anafí m							✓ 2			✓ 2	✓ 2		✓ 2	✓ 2		-im 2			

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
							Ante-Penult.			Penult.			Final		Ante-Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim
							Final segment		Final segment		Final segment												
							C	V	C	V	C	V											
			t	a.o	V	t	a.o	V	t	a.o	V												
	2;03.01	shoe	T	ná.al	na.aláim						✓				✓		✓				-aim		
			O		na.aláim	2								2		2	4	4			2		
	2;03.01	girl	T	yaldá	yeladót							✓			✓		✓	✓	-ot				
			O	yaldá	valdót	2						2		2	4	1	1	4					
	2;03.01	eye	T	áin	eináim						✓				✓		✓	✓			-aim		
			O		eináim	2								2		2	2	4			2		
	2;03.01	part	T	xélek	xalaki m						✓				✓	✓	✓		-im				
			O		xalakí m (repetition)	2								2	2	2	4	2					
	2;03.14	color	T	céva	evai m						✓				✓	✓		✓	-im				
			O		evai m	2								2	2	4	2	2					
	2;03.14	mouse	T	axbár	axbarí m								✓		✓	✓		-im					
			O		axmarí m	2								2	2	4	4	2					
	2;03.14	flower	T	pérax	praxi m						✓				✓	✓		✓	-im				
			O		prexí m	2								2	2	4	2	2					
	2;03.14	cloud	T	anán	anani m								✓		✓	✓		-im					
			O		anani m	2								2	2	4	4	2					
	2;03.14	eye	T	áin	eináim						✓				✓	✓	✓				-aim		
			O		eináim	2								2		2	2	4			2		
	2;03.14	hand	T	yad	yadáim							✓			✓		✓				-aim		
			O		yadáim	2								2		2	4	4			2		
	2;03.14	foot	T	régl	ragláim						✓				✓	✓	✓	✓			-aim		
			O		ragláim	2								2		2	2	2			2		
	2;03.14	animal	T	xayá	xayót								✓			✓		✓	-ot				
			O		xayót	2									2	4	4	2	4				
	2;03.14	sticker	T	madbeká	madbekót									✓		✓		✓	-ot				
			O		babekót mabekót	2								2	4	4	2	4					
	2;03.22	block	T	kubiyá	kubiyót								✓		✓		✓		-ot				
			O		kubiyót	2								2	4	4	2	4					
	2;03.22	picture	T	tmuná	tmunót								✓		✓		✓		-ot				
			O		tmunót	2							2		2	4	4	2	4				
	2;03.22	shoe	T	ná.al	na.aláim						✓				✓		✓				-aim		
			O		ániláim	2								2		2	4	4			2		
	2;03.22	hat	T	kóva	kovai m						✓				✓	✓		-im					
			O	kóva	koví m	2				2					2	2	4	3	2				
	2;03.22	cat	T	xatúl	xatulí m								✓		✓	✓		-im					
			O	xatúl	katfúlot	2					2			1		1	4	4		1			
	2;03.22	foot	T	régl	ragláim						✓				✓		✓	✓			-aim		
			O		agaláim	2								2		2	2	1			2		
	2;03.22	doll	T	bubá	bubót								✓		✓		✓		-ot				
			O		bubót	2									2	4	4	2	4				
	2;03.22	pin	T	siká	sikót									✓		✓		✓		-ot			
			O		sikót	2								2	4	4	2	4					
	2;03.22	rubber band	T	gumiyá	gumiyót								✓		✓		✓		-ot				
			O	gumiyá	gumiyót	2							2		2	4	4	2	4				
	2;03.28	eye	T	áin	eináim						✓				✓		✓	✓			-aim		
			O		eináim	2								2		2	2	4			2		
	2;03.28	color	T	céva	evai m						✓				✓	✓		✓	-im				
			O	céva	evai m (repetition)	2					2				2	2	4	1	2				

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							Ante-Penult.		Penult.		Final		Ante-Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim
							Final segment		Final segment		Final segment										
							C	V	C	V	C	V									
			t	a.o		t	a.o		t	a.o											
	2;03.28	snake	T	naxáf	nexáfí m							✓			✓	✓	✓		-im		
			O	naxáf	nexáfí m	2						2			2	2	2	4	2		
	2;03.28	tentacle	T	maxóf	mexófí m							✓			✓	✓	✓		-im		
			O		maxófí m (repetition)	2								2	2	1	4	2			
	2;03.28	wing	T	kanáf	knafáim							✓				✓	✓				-aim
			O		kansáim	2								2		2	1				2
	2;03.28	bubble	T	buá	buót								✓			✓	✓		-ot		
			O		buót	2									2	4	4	2	4		
	2;04.05	hand	T	yad	yadáim							✓				✓	✓				-aim
			O		yadáim	2								2		2	4	4			2
	2;04.05	stuff	T	davár	dvarí m							✓				✓	✓		-im		
			O		dvarí m	2									2	2	4	2	2		
	2;04.05	candy	T	sukaryá	sukaryót							✓				✓	✓		-ot		
			O	sukaryá	sukaryót	2						2		2	4	4	2	4			
					sukaryót	2								2	4	4	2	4			
	2;04.05	circle	T	igúl	igulí m							✓				✓	✓		-im		
			O		egulí m	2								2	2	4	4	2			
	2;04.05	doll	T	bubá	bubót								✓			✓	✓		-ot		
			O		bubót	2									2	4	4	2	4		
	2;04.05	animal	T	xayá	xayót								✓			✓	✓		-ot		
			O		xayót	2									2	4	4	2	4		
	2;04.05	giraffe	T	džiráfa	džiráfot					✓						✓	✓		-ot		
			O	džiráfa	žiráfot	2			2					2		4	4	2	4		
	2;04.05	bird	T	cipör	ciporí m								✓			✓	✓			-im	
			O		siporí m	2										2	2	4	4	2	
	2;04.12	eye	T	áin	eináim					✓						✓	✓				-aim
			O		eynáim	2			2						2		2	2	4		
	2;04.12	baby	T	tinók	tinokót								✓			✓	✓		-ot		
			O		tinokí m	2										2	2	4	4	3	
	2;04.12	wet wipes	T	magvón	magvoni m								✓			✓	✓		-im		
			O		magvoni m (repetition)	2										2	2	4	4	2	
	2;04.12	doll	T	bubá	bubót								✓			✓	✓		-ot		
			O		bubót	2										2	4	4	2	4	
	2;04.12	hand	T	yad	yadáim								✓			✓	✓				-aim
			O		daydáim	2									2		2	4	4		
	2;04.12	ring	T	tabáat	tabaót					✓						✓	✓		-ot		
			O		tabaót (repetition)	2										2	2	4	2	4	
	2;04.12	ponytail holder	T	kukiyá	kukiyót								✓			✓	✓		-ot		
			O		kokiyót	2											2	4	4	2	4
	2;04.19	star	T	koxáv	koxavi m								✓			✓	✓		-im		
			O		kaxoví m	2										2	2	4	4	2	
	2;04.19	shoe	T	na.al	na.aláim					✓						✓	✓				-aim
			O		na.aláim	2										2		2	4	4	
	2;04.19	sweet	T	mamták	mamtakí m								✓			✓	✓		-im		
			O		mamtakí m	2										2	2	4	4	2	

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix			
							Ante-Penult.			Penult.			Final		Ante-Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim	
							Final segment		Final segment		Final segment													
							C	V	C	V	C	V												
							t	a.o	V	t	a.o	V	t	a.o	V									
	2;04.19	candy	T	sukaryá	sukaryót									✓			✓			✓	-ot			
			O	sukaryá	sukaryót	2								2			2	4	4	2	4			
	2;04.19	stuff	T	davár	dvarí m								✓				✓	✓	✓	-im				
			O	dvarí m		2										2	2	4	2	2				
	2;04.19	block	T	kubiyá	kubiyót									✓			✓		✓	-ot				
O			kubiyá	kubiyót	2											2	4	4	2	4				
Nubmer of production "errors"						2	0	0	0	0	0	0	0	0	0	2	3	5	4	5	0	2	0	
% of production "errors"						2.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.09	4.48	5.56	4.44	5.62	0	40	0.00	
Number of faithful productions						90	0	0	0	0	3	4	0	7	7	1	20	64	57	19	38	39	3	19
% of faithful productions						97.83	0.00	0.00	0.00	0.00	100.00	100.00	0.00	100.00	100.00	100.00	90.91	95.52	63.33	21.11	42.70	59	60	100.00
																		0	1	3	1	0	0	
																		0.00	1.11	3.37	2	0	0.00	
																		28	66	43	26	0	0	
																		31.11	73.33	48.31	39	0	0.00	
total "error" productions																		5	5	8	1	2	0	
total % of "error" productions																		5.5556	5.555556	8.988764	2	40	0	
total faithful productions																		85	85	81	65	3	19	
total % of faithful productions																		94.44	94.44	91.01	98	60	100.00	
IV	2;04.25	friend	T	xavér	xaverí m								✓			✓	✓			-im				
			O		xaverí m	2										2	2	4	4	2				
	2;04.25	zebra	T	zébrea	zébrot					✓						✓		4	4	2	4			
			O	zébrea	zébrot	2			2						2		4	4	2	4				
	2;04.25	cat	T	xatúl	xatulí m							✓				✓	✓			-im				
			O	xatúl	xatulí m	2						2				2	2	4	4	2				
	2;04.25	doll	T	bubá	bubót								✓			✓			✓	-ot				
			O		bubót	2										2	4	4	2	4				
	2;04.25	eye	T	áin	eináim					✓						✓		✓	✓			-aim		
			O	áin	áin	1			2															
	2;04.25	number	T	mispár	mispári m								✓			✓	✓			-im				
			O		sapari m (repetition)	2										2	2	4	4	2				
	2;04.25	animal	T	xayá	xayót									✓			✓			✓	-ot			
			O		xayót	2											2	4	4	2	4			
	2;05.09	tree	T	ec	eci m									✓			✓	✓			-im			
			O		eci m	2											2	2	4	4	2			
	2;05.09	sock	T	gérev	garbáim					✓						✓		✓	✓	✓			-aim	
			O	gérev		1			2															
	2;05.09	mouse	T	axbár	axbarí m								✓				✓	✓			-im			
			O		axberí m	2											2	2	4	4	2			
2;05.09	color	T	céva	cvaí m					✓							✓	✓			✓	-im			
		O		cvaí m	2											2	2	4	2	2				
2;05.09	bird	T	cipór	ciporí m								✓				✓	✓				-im			
		O		ciporí m	2											2	2	4	4		2			
2;05.09	bee	T	dvorá	dvori m									✓			✓			✓	-im				
		O		dborí m	2											2	4	4	2		2			
2;05.09	cloud	T	anán	anani m									✓			✓	✓			-im				
		O		anani m	2											2	2	4	4					
2;05.09	flower	T	pérax	praxi m					✓							✓	✓		✓	-im				

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							Ante-Penult.			Penult.			Final						Ante-Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.	-aim
							Final segment		V	Final segment		V	Final segment		V									
							C	a.o		C	a.o		C	a.o										
	2;05.09	nower	O		praxí m	2	t	a.o	V	t	a.o	V	t	a.o	V			2	2	4	2	2		
	2;05.09	eye	T	áin	eináim						✓					✓	✓	✓	✓					-aim
			O		einót	2										1	1	2	4	3				
	2;05.09	lion	T	aryé	arayót									✓			✓			✓			-ot	
			O	aryé	aryé	1								2										
	2;05.09	sound	T	kol	kolót								✓				✓	✓					-ot	
			O		kolót	2										2	2	4	4			4		
	2;05.09	branch	T	anáif	anáif m									✓			✓	✓		-im				
			O		anáif m	2										2	2	4	4	2				
	2;05.09	foot	T	régel	ragláim						✓					✓	✓	✓	✓				-aim	
			O		ragzgláim	2										2	2	2	2			2		
	2;05.09	dog	T	kélev	klaví m						✓						✓	✓	✓	✓	-im			
			O	kélev	klaví m	2					2						2	2	2	2	2			
					kélev	1					2													
	2;05.09	cat	T	xatúl	xatuli m								✓				✓	✓				-im		
			O	xatúl	xatulí m	2							2				2	2	4	4	2			
	2;05.09	popsicle	T	flúk	flúkim									✓		✓				-im				
			O		flúkim	2										2		4	4	4	2			
	2;05.09	carrot	T	gézer	gzari m						✓						✓	✓	✓	✓	-im			
			O	gézer	gézer	1					2													
	2;05.09	turtle	T	cav	cavi m								✓				✓	✓			-im			
			O	cav	caví m (repetition)	2							2				2	2	4	4	2			
	2;05.09	child	T	yéled	yeladi m						✓						✓	✓	✓		-im			
			O		yeladí m	2											2	2	2	4	2			
	2;05.09	cookie	T	ugiyá	ugiyót									✓			✓			✓	-ot			
			O		ugiyót	2											2	4	4	2	4			
	2;05.09	shirt	T	xulcá	xulcót									✓			✓			✓	-ot			
			O		xulcót	2											2	4	4	2	4			
	2;05.09	wound	T	péca	peai m						✓						✓	✓		✓	-im			
			O	péca	péca	1					2													
	2;05.09	book	T	séfer	sfari m						✓						✓	✓	✓	✓	-im			
			O	séfer	sfarí m	2					2						2	2	2	2	2			
	2;05.09	baby	T	tinók	tinokót									✓			✓	✓				-ot		
			O		tinokí m	2											2	2	4	4	3			
	2;05.15	shoe	T	na.al	na.aláim						✓					✓		✓				-aim		
			O		na.aláim	2										2		2	4	4			2	
	2;05.15	light	T	or	orót									✓			✓	✓				-ot		
			O	or	orót	2							2				2	2	4	4			4	
	2;05.15	sock	T	gérev	garbáim						✓					✓		✓	✓	✓		-aim		
			O		garbáim	2										2		2	2	2			2	
	2;05.26	book	T	séfer	sfari m						✓						✓	✓	✓	✓	-im			
			O		sfarí m	2											2	2	2	2	2			
	2;05.26	sock	T	gérev	garbáim						✓					✓		✓	✓	✓		-aim		
			O		garbáim	2										2		2	2	2			2	
	2;05.26	part	T	xélek	xalaki m						✓						✓	✓	✓		-im			
			O	xélek	xalakí m	2					2						2	2	2	4	2			
	2;05.26	bucket	T	dli	dlai m									✓			✓		✓		-im			
			O	dli	dli (repetition)	1								2										
	2;05.26	even	T	áin	eináim						✓					✓		✓	✓					-aim

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							Ante-Penult.			Penult.			Final						Ante-Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.	-aim
							Final segment		V	Final segment		V	Final segment		V									
							C	a.o		C	a.o		C	a.o										
	2;05.26	eye	O	áin	eynáim	2					2				2	2	4			2				
			T	agvaniyá	agvaniyót						2			✓		2	✓		-ot					
	2;05.26	tomato	O	gvanyá (repetition)	agvaniyót	2								2		2	4	4	2	4				
			T	hámburger	hámburgerim			✓						✓					-im					
	2;05.26	ham-burger	O	ʔáguker (repetition)	agúber	1		2			1													
			T	livyatán	livyatani m								✓		✓	✓			-im					
	2;05.26	whale	O	livyatán (repetition)	livatáim	2							2		1	1	4	3		1				
			T	fáar	feari m					✓					✓	✓	✓		-im					
	2;05.26	gate	O	fa: (repetition)	fáar	1					2			1										
			T	migdál	migdali m								✓			✓	✓		-im					
	2;05.26	tower	O	migdál (repetition)	migdál	1							2											
			T	zxuxi t	zxuxiót								✓			✓	✓		✓	-ot				
	2;05.26	glass	O	túsit		1							2											
			T	avirón	avironi m								✓			✓	✓		-im					
	2;05.26	airplane	O	avirón	avirón	1							2											
			T	balón	baloni m / balónim								✓		✓	✓	✓		-im					
	2;05.26	balloon	O	balón	baloní m	2							2			2	2	4	4	2				
			T	péca	peai m					✓						✓	✓		✓	-im				
	2;05.26	wound	O	péca		1					2													
			T	fuál	fuali m								✓			✓	✓		-im					
	2;05.26	fox	O	fuál	fuál	1							2											
			T	mitá	mitót									✓		✓			✓	-ot				
	2;05.26	bed	O	mitá	mitá	1								2										
			T	gamád	gamadi m								✓			✓	✓		-im					
	2;05.26	dwarf	O	gamád	gamád	1							2											
			T	óto	otoim						✓				✓				-im					
	2;05.26	car	O	óto		1					2													
			T	kélev	klavi m						✓					✓	✓	✓	✓	-im				
	2;05.26	dog	O	kélev	kélev	1					2													
			T	kórkinet	kórkinetim / korkinétim		✓							✓	✓		✓		-im					
	2;05.26	scooter	O	kórkinet (repetition)	kórkinet	1	2																	
			T	tráktor	tráktorim						✓			✓					-im					
	2;05.26	tractor	O	kráktor	katekó	1					2			1										
					kákto	1					2													
			T	pe	piót									✓		✓	✓	✓		-ot				
	2;05.26	mouth	O	pe		1								2										
			T	télefon	télefonim / telefónim			✓						✓	✓		✓		-im					
	2;05.26	telephone	O	télefon	télefon	1		2																
			T	kadúr	kaduri m								✓			✓	✓		-im					
	2;05.26	ball	O	kadúr	kadúr	1							2											
					kaurí m	2									2	2	3	4	2					
			T	anán	anani m								✓			✓	✓		-im					
	2;05.26	cloud	O	anani	anani m	2									2	2	4	4	2					
			T	glí da	glí dot					✓					✓			✓	-ot					

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							Ante-Penult.			Penult.			Final						Ante-Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.	-aim
							Final segment		V	Final segment		V	Final segment		V									
							C	t		C	t		C	t										
	2;05.26	ice cream	O	glí da	glí da	1																		
	2;05.26	road	T	kvíj	kvíjɪ m							✓			✓	✓			-im					
			O		kvíj	1						2												
	2;05.26	piece	T	xatixá	xatixót								✓			✓		✓	-ot					
			O		xatixót	2									2	4	4	2	4					
	2;05.26	foot	T	régl	ragláim				✓						✓		✓	✓	✓		-aim			
			O		ragláim	2									2		2	2	2		2			
	2;05.26	dress	T	simlá	smalót								✓			✓			✓	-ot				
			O	simlá	simlót	2							2			2	4	4	1	4				
	2;05.26	person	T	íj	anajɪ m							✓				✓	✓	✓	✓	-im				
			O	íj	íj	1							2											
	2;05.26	mouse	T	axbár	axbarɪ m								✓			✓	✓			-im				
			O		axbarɪ m	2										2	2	4	4	2				
	2;05.26	picture	T	tmuná	tmunót									✓			✓		✓	-ot				
			O		tmunót	2										2	4	4	2	2				
	2;05.28	ice cream	T	glí da	glí dot				✓							✓			✓	-ot				
			O	glí da	glí da	1				2														
	2;05.28	game	T	misxák	misxakɪ m							✓				✓	✓			-im				
			O		masxakɪ m	2										2	2	4	4	2				
	2;05.28	sock	T	géreɐ	garbáim				✓						✓		✓	✓	✓		-aim			
			O		garbáim	2										2	2	2	2		2			
	2;05.28	pepper	T	pí lpel	pí lpelim				✓					✓			✓			-im				
			O	pí lpel (repetition)	pí lpel	1				2														
	2;05.28	cheese	T	gvíná	gvínót								✓			✓			✓	-ot				
			O	gvíná (repetition)	gvínót	2							2			2	4	4	2	4				
	2;05.28	lion	T	aryé	arayót								✓			✓			✓	-ot				
			O	aryé	aryé	1							2											
	2;05.28	bunny	T	fafán	ffani m							✓				✓	✓		✓	-im				
			O		fafanɪ m	2										2	2	4	1	2				
	2;05.28	carrot	T	gézer	gzari m				✓							✓	✓	✓	✓	-im				
			O	gézer	gézer	1				2														
	2;05.28	cake	T	ugá	ugót								✓			✓			✓	-ot				
			O	ugá	uguyót	2							2			2	4	3	1	4				
	2;05.28	candle	T	ner	nerót							✓				✓	✓			-ot				
			O		nerót	2										2	2	4	4		4			
	2;05.28	zebra	T	zébza	zébrot				✓							✓			✓	-ot				
			O	zébza	zébrot	2				2						2		4	2	4				
	2;05.28	window	T	xalón	xalonót							✓				✓	✓			-ot				
	2;05.28	window	O		xalonɪ m	2										2	2	4	4	3				
	2;05.28	baby	T	tinók	tinokót								✓			✓	✓			-ot				
			O	tinók (repetition)	tinokɪ m	2							2			2	2	4	4	3				
				tinóket		1				2														
	2;05.28	spinning-top	T	sevivón	svivoni m							✓				✓	✓		✓	-im				
			O		sevovanɪ m	2										2	2	3	1	2				
	2;05.28	key	T	maftéax	maftexót				✓							✓	✓		✓	-ot				
			O	maftéyax	maftexót	2				2						2	2	4	2		4			
	2;05.28	bathtub	T	ambátya	ambátyot				✓							✓			✓	-ot				
			O	abátya	abátvot	2				2						2		4	4	2	4			

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix					
							Ante-Penult.			Penult.			Final						Ante-Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.	-aim
							Final segment		V	Final segment		V	Final segment		V									
							C			C			C											
							t	a.o	V	t	a.o	V	t	a.o	V									
	2;05.28	piano	T	psan ^{tiér}	psan ^{teri} m								✓			✓	✓				-im			
			O	psar ^ə tén	psar ^{tení} m	2								2			2	2	4	4	2			
	2;05.28	fish	T	dag	dag ⁱ m								✓			✓	✓				-im			
			O	dag	dag ⁱ m	2							2			2	2	4	4	2				
	2;05.28	grapefruit	T	efk ^{oli} t	efk ^{oliót}							✓				✓	✓			✓	-ot			
			O	k ^{oli} t (repetition)	ko:lí t	1						2												
	2;05.28	train	T	rakévet	rakavót				✓							✓	✓	✓	✓		-ot			
			O	rakévet	rakeví m	2				2							2	2	1	2		3		
	2;05.28	mouse	T	axbár	axbarí m								✓			✓	✓				-im			
			O	axbár (repetition)	axbarí m	2							2				2	2	4	4	2			
	2;05.28	swing	T	nadnedá	nadnedót									✓		✓				✓	-ot			
			O	nadnedá (repetition)	nadedót	2								2			2	4	4	2	4			
	2;05.28	picture	T	tmuná	tmunót									✓		✓				✓	-ot			
			O		tmunót	2										2	4	4	2	4				
	2;05.28	plastic bag	T	sak ⁱ t	sakiót							✓				✓	✓			✓	-ot			
			O	sak ⁱ t (repetition)	sakiót	2						2				2	2	4	2	4				
	2;05.28	candy	T	sukaryá	sukaryót								✓			✓				✓	-ot			
			O	sukaryá	sukaryót	2							2			2	4	4	2	4				
	2;05.28	shirt	T	xulcá	xulcót								✓			✓				✓	-ot			
			O	xulcá (repetition)	xulcót	2								2			2	4	4	2	4			
	2;05.28	camel	T	gamál	gmali m							✓				✓	✓			✓	-im			
			O	gamál	gamali m	2							2				2	2		1	2			
	2;05.28	stone	T	éven	avani m					✓						✓	✓	✓			-im			
			O	éven (repetition)	avani m	2				2							2	2	2	4		2		
	2;05.28	stroller	T	agalá	agalót								✓			✓				✓	-ot			
			O	agalá	agalót	2								2			2	4	4	2	4			
	2;05.28	lamp	T	menorá	menorót								✓			✓				✓	-ot			
			O	menorá (repetition)	menorót	2								2			2	4	4	2	4			
	2;05.28	sweater	T	svéder	svéderim					✓					✓						-im			
			O		sa:vdí m	2										1	1	3	3	2				
	2;05.28	chewing gum	T	mástik	mástikim					✓					✓						-im			
			O	mástik	mástikim	2				2					2									
	2;05.28	cat	T	xatulí	xatulí m							✓				✓	✓				-im			
			O		xatulí m	2										2	2	4	4	2				
	2;05.28	bracelet	T	camí d	cmidi m								✓			✓	✓			✓	-im			
			O	camí d	camidi m	2							2				2	2	4	1	2			
	2;06.06	candy	T	sukaryá	sukaryót								✓			✓				✓	-ot			
			O		sukaryót	2										2	4	4	2	4				
	2;06.06	sock	T	gére'v	garbáim					✓						✓	✓	✓	✓			-aim		
			O		garbáim	2										2		2	2	2			2	
	2;06.06	shoe	T	na'al	na'aláim					✓						✓				✓	-aim			
			O		na'aláim	2										2		2	4	4			2	
	2;06.06	light	T	or	orót								✓			✓	✓				-ot			
			O		orót	2										2	2	4	4			4		
	2;06.06	light	T	kubiyá	kubiyót								✓			✓				✓	-ot			

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
							Ante-Penult.			Penult.			Final						Ante-Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.	-aim																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
							Final segment		V	Final segment		V	Final segment		V																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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	2;06.06	block	O		kubiyót	2	t	a.o		V	t	a.o		V	t	a.o		V																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														</

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix			
							Ante-Penult.			Penult.			Final			Ante-Penult. / Pre-Ante Penult.	Penult.				Final	Reg.	Irreg.	-aim
							Final segment			Final segment			Final segment											
							C		V	C		V	C		V									
							t	a.o	V	t	a.o	V	t	a.o	V									
	2;06.12	scooter	T	kórkínet	kórkínetim / kórkínétim		✓								✓	✓		✓				-im		
			O	kórkínet (repetition)	kórkínet	1	2																	
	2;06.12	tractor	T	tráktor	tráktorim						✓				✓							-im		
			O	tráktor (repetition)	tráktor	1					2													
	2;06.12	mouth	T	pe	piót											✓	✓	✓	✓			-ot		
			O	pe	pe	1								2										
	2;06.12	telephone	T	télefon	télefonim / téléfónim			✓							✓	✓		✓				-im		
			O	télefon	télefon	1		2																
	2;06.12	ball	T	kadúr	kadurí m									✓			✓	✓			-im			
			O	kadúr	kadu:rí m	2								2				2	2	4	4	2		
	2;06.12	cloud	T	anán	anani m									✓			✓	✓			-im			
			O	anán	anani m	2								2				2	2	4	4	2		
	2;06.12	drop	T	tipá	tipót										✓			✓			✓	-ot		
			O	tipá	tipót	2												2	4	4	2	4		
	2;06.12	ice cream	T	glí da	glí dot						✓						✓				✓	-ot		
			O	glidá	glí dot	2					2							2		4	4	2	4	
	2;06.12	road	T	kví f	kví f m									✓				✓	✓		-im			
			O	kví f (repetition)	kví f	1								2										
	2;06.12	pepper	T	pí lpel	pí lpelim						✓					✓					-im			
			O	pí lpel	pí lpel	1					2													
	2;06.12	cheese	T	gviná	gvinót									✓			✓				✓	-ot		
			O	gviná (repetition)	gviná	1									2					4				
	2;06.12	lion	T	arayé	arayót									✓			✓				✓	-ot		
			O	arayé	arayót	2									2				2	4	4	2	4	
	2;06.12	rabbit	T	ʔarnáv	ʔarnavót / ʔarnavi m									✓			✓	✓			-im /-ot			
			O	ʔarnáv	ʔarnavót	2									2				2	2	4	4	4	
	2;06.12	carrot	T	gézer	gzari m						✓						✓	✓	✓	✓	✓	-im		
			O	gézer	gézer	1					2													
	2;06.12	bunny	T	ʃafán	ʃfani m									✓			✓	✓			✓	-im		
			O	ʃafán	ʃafani m	2												2	2	4	1	2		
	2;06.12	cake	T	ugá	ugót									✓			✓	✓			✓	-ot		
			O	ugá	ugót	2									2				2	4	4	2	4	
	2;06.12	zebra	T	zébra	zébrot						✓						✓				✓	-ot		
			O	zébra	zébrot	2					2							2		4	4	2	4	
	2;06.12	window	T	xalón	xalonót									✓			✓	✓			-ot			
			O	xalón (repetition)	xaloní m	2								2					2	2	4	4	3	
	2;06.12	baby	T	tínók	tínokót									✓			✓	✓			✓	-ot		
			O	tínók	tínokí m	2								2					2	2	4	4	3	
	2;06.12	spinning-top	T	sevivón	svivoni m									✓			✓	✓			✓	-im		
			O	sevivón (repetition)	sevivoní m	2								2					2	2	4	1	2	
	2;06.12	key	T	maftéax	maftéxót						✓						✓	✓			✓	-ot		
			O	maftéyax	maftéax maftexí m	1 2					2								2	2	4	2	3	

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
							Ante-Penult.			Penult.			Final		Ante-Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim
							Final segment		Final segment		Final segment												
							C	V	C	V	C	V											
			t	a.o		t	a.o		t	a.o													
	2;06.12	bathtub	T	ambátya	ambátyot							✓			✓			✓	-ot				
			O	ambátya	abátyot	2				2				2		4	4	2	4				
	2;06.12	piano	T	psanér	psanéri m						✓			✓	✓			-im					
			O	pastér (repetition)	psant ^é ér	1					2												
	2;06.12	fish	T	dag	dagí m						✓			✓	✓			-im					
			O	dag	dagí m	2					2			2	2	4	4	2					
	2;06.12	grapefruit	T	efkoli t	efkohót						✓			✓	✓			✓	-ot				
			O	koli t (repetition)		1					2												
				eskoli t (repetition)		1					2												
	2;06.12	train	T	rakévet	rakavót				✓						✓	✓	✓	✓	-ot				
			O	rakévet	rakaví m	2			2					2	2	2	2	2		3			
	2;06.12	mouse	T	axbár	axbarí m							✓			✓	✓			-im				
			O	axbár (repetition)	axbarí m	2					2			2	2	4	4	2					
	2;06.12	swing	T	nadnedá	nadnedót							✓			✓			✓	-ot				
			O	nadnedá (repetition)	nadedót	2						2			2	4	4	2	4				
	2;06.12	plastic bag	T	saki t	sakiót							✓			✓	✓		✓	-ot				
			O	saki t (repetition)	sakiót	2					2				2	2	4	2	4				
	2;06.12	candy	T	sukaryá	sukaryót							✓			✓			✓	-ot				
			O	sukaryá	sukaryót	2						2			2	4	4	2	4				
	2;06.12	shirt	T	xulcá	xulcót							✓			✓			✓	-ot				
			O	xulcá	xulcá	1						2											
	2;06.12	camel	T	gamál	gmali m							✓			✓	✓		✓	-im				
			O	gamál	gamali m	2					2			2	2	4	1	2					
	2;06.12	stone	T	éven	avaní m				✓						✓	✓	✓		-im				
			O	éven (repetition)	avaní m	2			2					2	2	2	4		2				
	2;06.12	stroller	T	agalá	agalót							✓			✓			✓	-ot				
			O	agalá	agalót	2						2			2	4	4	2	4				
	2;06.12	lamp	T	menorá	menorót							✓			✓			✓	-ot				
			O	menorá (repetition)	manorót	2						2			2	4	4	2	4				
	2;06.12	sweater	T	svéder	svéderim				✓					✓					-im				
			O	svéder (repetition)	svéder	1			2														
	2;06.12	stair	T	madregá	madregót							✓			✓			✓	-ot				
			O		magredót	2								2	4	4	2	4					
						madregót	2								2	4	4	2	4				
	2;06.12	house	T	báit	bati m				✓						✓	✓		✓	-im				
			O		báit	1			2														
	2;06.12	person	T	íj	anafi m							✓			✓	✓	✓	✓	-im				
			O		anasí m (repetition)	2						2			2	2	2	2	2				
	2;06.19	bottle	T	bakbük	bakbuki m							✓			✓	✓			-im				
			O		bakbukí m	2								2	2	4	4	4	2				

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							Ante-Penult.			Penult.			Final						Ante-Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.	-aim
							Final segment			Final segment			Final segment											
							C		V	C		V	C		V									
			t	a.o	V	t	a.o	V	t	a.o	V													
	2;06.19	surprise	T	hafla.á	haflaót								✓			✓			✓	-ot				
			O		haflaót	2									2	4	4	2	4					
	2;06.19	eye	T	áin	eináim				✓					✓		✓	✓			-aim				
			O		eináim	2								2		2	2	4			2			
	2;06.19	ear	T	ózen	oznáim				✓					✓		✓	✓	✓		-aim				
			O		oznáim	2								2		2	4			2				
	2;06.29	sock	T	gérev	garbáim				✓					✓		✓	✓	✓		-aim				
			O	gérev	garbáim	2			2					2		2	2	2						
	2;06.29	picture	T	tmuná	tmunót							✓			✓		✓	✓	-ot					
			O	tmuná	tmunót	2						2			2	4	4	2	4					
	2;06.29	hand	T	yad	yadáim							✓			✓		✓			-aim				
			O		yadáim	2								2		2	4	4			2			
	2;06.29	drinking glass	T	kos	kosót							✓			✓	✓			-ot					
			O		kosót	2									2	2	4	4	4					
	2;06.29	duck	T	barváz	barvazi m							✓			✓	✓			-im					
			O		barvazi m (repetition)	2									2	2	4	4	2					
	2;06.29	cat	T	xatúl	xatuli m							✓			✓	✓			-im					
			O	xatúl	xatuli m	2						2			2	2	4	4	2					
	2;06.29	block	T	kubiyá	kubiyót							✓			✓		✓	✓	-ot					
			O		kubiyót	2								2	4	4	2	4						
	2;06.29	tower	T	migdál	migdali m							✓			✓	✓			-im					
			O	migdál	migdali m	2						2			2	2	4	4	2					
	2;06.29	bird	T	cipór	cipori m							✓			✓	✓			-im					
			O		cipori m	2								2	2	4	4			2				
	2;06.29	stair	T	madregá	madregót							✓			✓		✓	✓	-ot					
			O		mabegót	2								2	4	4	2	4						
	2;07.19	glitter	T	nácnac	nácnacim				✓				✓						-im					
			O		nácnasim	2							2			4	4	4	2					
	2;07.19	foot	T	régel	ragláim				✓					✓		✓	✓	✓		-aim				
			O		ragláim (repetition)	2								2		2	2	2			2			
	2;07.19	color	T	céva	cvai m					✓					✓	✓		✓	-im					
			O		cvai m	2									2	2	4	2	2					
	2;07.19	stair	T	madregá	madregót							✓			✓		✓	✓	-ot					
			O		mavregót madregót (repetition)	2 2								2	4	4	2	4						
	2;07.19	shape	T	curá	curót							✓			✓		✓	✓	-ot					
			O		curót	2									2	4	4	2	4					
	2;08.02	shoe	T	na.al	na.aláim				✓					✓		✓				-aim				
			O		na.aláim	2								2		2	4	4			2			
	2;08.02	flower	T	pérax	praxi m				✓						✓	✓		✓	-im					
			O		praxi m	2								2	2	4	2	2						
	2;08.02	rubber band	T	gumiyá	gumiyót							✓			✓		✓	✓	-ot					
			O		gumiyót (repetition)	2								2	4	4	2	4						
	2;08.02	block	T	kubiyá	kubiyót							✓			✓		✓	✓	-ot					
			O		kubiyót	2								2	4	4	2	4						
	2;08.02	foot	T	régel	ragláim				✓					✓		✓	✓	✓		-aim				
			O		régel	1				2														

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix					
							Ante-Penult.			Penult.			Final						Ante-Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.	-aim
							Final segment		V	Final segment		V	Final segment		V									
							C	a.o		C	a.o		C	a.o										
			O		gaglái	2	t	a.o	V	t	a.o	V	t	a.o	V		2		2	2	2			2
	2;08.02	ear	T	ózen	oznáim						✓					✓		✓		✓				-aim
			O		oznáim	2										2		2	4	2				2
	2;08.02	stick	T	makél	maklót								✓				✓	✓	✓	✓		-ot		
			O	makél	takalót	2							2				2	2	4	1		4		
					makelót	2											2	2	4	1		4		
	2;08.02	picture	T	tmuná	tmunót									✓			✓			✓	-ot			
			O		tmu:nót (repetition)	2											2	4	4	2	4			
	2;08.02	foot	T	régel	ragláim						✓					✓		✓	✓	✓				-aim
			O		ragláim	2										2		2	2	2				2
	2;08.02	hand	T	yad	yadáim								✓			✓		✓						-aim
			O		yadáim (repetition)	2										2		2	4	4				2
					yadáim	2										2		2	4	4				2
	2;08.02	circle	T	igúl	iguli m								✓				✓	✓			-im			
			O		igulí m	2											2	2	4	4	2			
	2;08.02	eye	T	áin	eináim						✓					✓		✓	✓					-aim
			O		eináim	2										2		2	2	4				2
	2;08.19	cow	T	pará	parót									✓			✓		✓	✓	-ot			
			O		parót	2											2	4	4	2	4			
	2;08.19	animal	T	xayá	xayót									✓			✓		✓	✓	-ot			
			O		xayót	2											2	4	4	2	4			
	2;08.19	under-wear	T	taxtón	taxtoní m									✓			✓	✓			-im			
			O		taxtoní m	2											2	2	4	4	2			
	2;08.19	pants	T	mixnás	mixnasáim									✓			✓		✓					-aim
			O		mixnasáim	2											2		2	4	4			2
	2;08.19	hand	T	yad	yadáim									✓			✓		✓					-aim
			O		yadáim	2										2		2	4	4				2
	2;08.19	block	T	kubiyá	kubiyót									✓				✓		✓	-ot			
			O		kubiyót	2											2	4	4	2	4			
	2;08.19	line	T	kav	kaví m									✓			✓	✓			-im			
			O	kav	kaví m	2							2				2	2	4	4	2			
	2;08.19	umbrella	T	mitriyá	mitriyót									✓			✓		✓	✓	-ot			
			O	mitriyá	mitriyót	2											2	4	4	2	4			
	2;08.19	flower	T	pérax	praxi m						✓						✓	✓	✓	✓	-im			
			O		praxí m	2											2	2	4	2	2			
	2;08.19	apple	T	tapúax	tapuxí m						✓						✓	✓		✓	-im			
			O		tapuxí m	2											2	2	4	2	2			
	2;08.19	cat	T	xatúl	xatulí m									✓			✓	✓			-im			
			O		xatulí m	2											2	2	4	4	2			
	2;08.19	tail	T	zanáv	znavót									✓			✓	✓		✓		-ot		
			O		zanáv	1								2										
	2;08.19	part	T	xélek	xalaki m						✓						✓	✓	✓		-im			
			O	xélek	xalakí m	2					2						2	2	2	4	2			
	2;08.19	eye	T	áin	eináim						✓					✓		✓	✓					-aim
			O		eináim	2										2		2	2	4				2
	2;08.19	card	T	klaf	klafí m									✓				✓	✓		-im			
			O		klafí m	2											2	2	4	4	2			
	2;08.19	auto-mobile	T	mexoni t	mexoniót									✓			✓	✓	✓	✓	-ot			
			O		maxoniyót	2											2	2	4	2	4			

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix					
							Ante-Penult.			Penult.			Final						Ante-Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.	-aim
							Final segment		V	Final segment		V	Final segment		V									
							C			C			C											
							t	a.o		t	a.o		t	a.o										
			O		toxiót	2									2			3	2	4				
	2;08.19	ear	T	ózen	oznáim						✓				✓		✓		✓			-aim		
			O		oznáim	2									2		2	4	2			2		
	2;08.19	ice cream	T	glí da	glí dot						✓				✓				✓		-ot			
			O		glí dot	2									2		4	4	2		4			
	2;08.19	drinking glass	T	kos	kosót								✓			✓	✓				-ot			
			O		kosót	2										2	2	4	4		4			
	2;08.19	fish	T	dag	dagi m								✓			✓	✓				-im			
			O		dagi m	2										2	2	4	4		2			
	2;08.19	ball	T	kadúr	kaduri m								✓			✓	✓				-im			
			O		kaduri m	2										2	2	4	4		2			
	2;08.19	banana	T	banána	banánót						✓					✓			✓		-ot			
			O		banánót	2										2		4	4	2	4			
	2;08.19	corn	T	tí ras	tí rasim						✓				✓						-im			
			O		tí ras	1					2													
	2;08.19	water-melon	T	avati ax	avatixi m						✓					✓	✓			✓	-im			
			O		toovotí ax	1					2													
	2;08.19	friend	T	xavér	xaverí m								✓			✓	✓				-im			
			O		xaverí m	2										2	2	4	4		2			
	2;08.19	doll	T	bubá	bubót											✓			✓		-ot			
			O		bubót (repetition)	2											2	4	4	2	4			
	2;08.19	game	T	mixák	mixaki m								✓			✓	✓				-im			
			O		mixák	mitxaki m	2						2				2	2	4	4	2			
	2;08.19	baby	T	tinók	tinokót								✓				✓	✓			-ot			
			O		tinokót	2										2	2	4	4		4			
	2;08.19	hand	T	yad	yadáim								✓			✓	✓				-aim			
			O		yadáim	2										2		2	4	4		2		
	2;08.19	flower	T	pérax	praxi m						✓					✓	✓		✓		-im			
			O		praxi m	2											2	2	4	2	2			
	2;9.06	sticker	T	madbeká	madbekót									✓			✓			✓	-ot			
			O		madbekót	2										2	4	4	2		4			
	2;9.06	friend	T	xavér	xaverí m								✓			✓	✓				-im			
			O		xaverí m	2										2	2	4	4		2			
	2;9.06	lightning	T	barák	braki m								✓				✓	✓		✓	-im			
			O		baraki m	2											2	2	4	1	2			
	2;9.06	shoe	T	na al	na aláim						✓					✓	✓				-aim			
			O		naaláim	2										2		2	4	4		2		
	2;9.06	train	T	rakévet	rakavót						✓						✓	✓	✓	✓	-ot			
			O		rakévet	2					2													
	2;9.06	drop	T	tipá	tipót												✓			✓	-ot			
			O		tipót	2											2	4	4	2	4			
	2;9.06	present	T	mataná	matanót									✓			✓			✓	-ot			
			O		matanót	2											2	4	4	2	4			
	2;9.06	part	T	xélek	xalaki m						✓						✓	✓	✓		-im			
			O		xélek	xalaki m	2				2						2	2	2	4	2			
	2;9.06	dwarf	T	gamád	gamadi m								✓				✓	✓			-im			
			O		gamadi m	2											2	2	4	4	2			
	2;9.06	song	T	fír	firi m								✓				✓	✓			-im			
			O		serí m	2											2	2	4	4	2			
	2;9.13	egg	T	áin	eináim						✓					✓		✓	✓			-aim		

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix					
							Ante-Penult.			Penult.			Final						Ante-Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.	-aim
							Final segment		V	Final segment		V	Final segment		V									
							C	t		C	t		C	t										
	2;9.13	eye	O		eináim	2									2		2	2	4			2		
	2;9.13	puzzle	T	pázel	pázelim					✓					✓					-im				
			O		pázelim	2								2			4	4	4	2				
	2;09.17	stair	T	madregá	madregót								✓				✓		✓	-ot				
			O		mavregót	2										2	4	4	2	4				
	2;09.17	sweet	T	mamták	mamtakí m							✓				✓	✓			-im				
			O		mamtakí m	2										2	2	4	4	2				
	2;09.17	tooth	T	fen	fináim							✓				✓	✓	✓		-aim				
			O	fen	sináim	2						2			2		2	2	4			2		
					fináim (repetition)	2									2		2	2	4			2		
	2;09.17	glitter	T	nácnac	nácnacim					✓					✓					-im				
			O		nátnasim	2								2			4	4	4	2				
	2;09.17	pants	T	mixnás	mixnasáim							✓				✓	✓			-aim				
			O		mixnasáim	2									2		2	4	4			2		
	2;09.17	child	T	yéled	yeladi m					✓						✓	✓	✓		-im				
			O		yeladí m	2										2	2	2	4	2				
	2;09.17	dwarf	T	gamád	gamadi m							✓				✓	✓			-im				
			O		gámadim	2								1			1	4	4	2				
					gamadí m	2										2	2	4	4	2				
	2;09.17	part	T	xélek	xalaki m					✓						✓	✓	✓		-im				
			O	xélek	xalakí m	2				2						2	2	2	4	2				
	2;09.17	hand	T	yad	yadáim							✓				✓	✓			-aim				
			O		yadáim	2									2		2	4	4			2		
	2;09.17	game	T	misxák	misxakí m							✓				✓	✓			-im				
			O	misxák	misxakí m	2						2				2	2	4	4	2				
	2;09.17	feather	T	nocá	nocót								✓			✓			✓	-ot				
			O		nosót	2										2	4	4	2	4				
	2;09.28	sticker	T	madbeká	madbekót								✓			✓			✓	-ot				
			O		madbekót	2										2	4	4	2	4				
	2;09.28	card	T	klaf	klafi m							✓				✓	✓			-im				
			O		klafí m	2										2	2	4	4	2				
	2;09.28	shoe	T	na.al	na.aláim					✓						✓	✓			-aim				
			O		naaláim	2									2		2	4	4			2		
	2;09.28	sock	T	gérev	garbáim					✓						✓	✓	✓	✓	-aim				
			O		garbáim	2									2		2	2	2			2		
	2;09.28	dot	T	nekudá	nekudót								✓				✓		✓	-ot				
			O		nekudót	2										2	4	4	2	4				
	2;09.28	sticker	T	madbeká	madbekót								✓			✓			✓	-ot				
			O	madbeká	malbekót	2						2				2	4	4	2	4				
	2;09.28	color	T	céva	cvai m					✓						✓	✓		✓	-im				
			O	céva	cevaí m	2					2					2	2	4	1	2				
	2;09.28	ear	T	ózen	oznáim					✓						✓	✓		✓	-aim				
			O		oznáim	2									2		2	4	2			2		
	2;09.28	cloud	T	anán	anani m							✓				✓	✓			-im				
			O	anán	ánaní m	2						2				2	2	4	4	2				
	2;09.28	tail	T	zanáv	znavót							✓				✓	✓		✓	-ot				
			O	zanáv	zanaví m	2						2				2	2	4	1	3				
	2;09.28	foot	T	régel	ragláim					✓						✓	✓	✓	✓	-aim				
			O		ragláim	2									2		2	2	2			2		

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix					
							Ante-Penult.			Penult.			Final						Ante-Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.	-aim
							Final segment			Final segment			Final segment											
							C		V	C		V	C		V									
				t	a.o		t	a.o		t	a.o													
	2;09.28	straw-berry	T	tut	tútím								✓							-im				
			O	tut	tutí m	2							2				✓	3	4	4	2			
	2;09.28	necklace	T	farfëret	farfëraót					✓						✓	✓	✓	-ot					
			O	fëret	fítim	2				2							2	2	3	1		3		
	2;09.28	pin		farfëret (repetition)	fútím	2				2						1		3	1		3			
				faxserót		2										2	2	4	1	4				
	2;09.28	window	T	siká	sikót								✓			✓	✓	✓	-ot					
			O	kiká	tikót	2							2				2	4	4	2	4			
	2;09.28	flower			sikót	2										2	4	4	2	4				
				xalón	xalonót							✓				✓	✓				-ot			
	2;10.03	ant	O		xaloni m	2										2	2	4	4	3				
				pérax	praxi m					✓						✓	✓	✓	-im					
	2;10.03	stone	O		praxi :m	2										2	2	4	2	2				
					praxi m	2										2	2	4	2	2				
	2;10.03	child	T	nemalá	nemali m								✓			✓	✓	✓	-im					
			O		nemalót	2										2	4	4	2	1				
	2;10.03	kinder garden teacher	T	éven	avani m					✓						✓	✓	✓	-im					
			O		avani m	2										2	2	2	4		2			
	2;10.03	shoe	T	yéled	yeladi m					✓						✓	✓	✓	-im					
			O		yeladi m	2										2	2	2	4	2				
	2;10.03	sticker	T	ganénet	gananót					✓						✓	✓	✓	-ot					
			O		gananót	2										2	2	2	2	4				
	2;10.03	sock	T	madregá	madregót								✓			✓	✓	✓	-ot					
			O		mavregót	2										2	4	4	2	4				
	2;10.03	freckle	T	na.al	na.aláim					✓						✓	✓	✓	-aim					
			O		naaláim	2										2	2	4	4		2			
	2;10.03	tear	T	gérev	garbáim					✓						✓	✓	✓	-aim					
			O		garbáim	2										2	2	2	2		2			
	2;10.03	balloon	T	nêmeʃ	nemafi m					✓						✓	✓	✓	-im					
			O		dayfi m	2										2	2	2	3	2				
	2;10.03	mouse	T	dimá	dmaót								✓			✓	✓	✓	-ot					
			O		dmaót	2										2	2	4	2	4				
	2;10.03	tentacle	T	tipá	tipót								✓			✓	✓	✓	-ot					
			O		tipót	2										2	4	4	2	4				
	2;10.03	bunny	T	madbeká	madbekót								✓			✓	✓	✓	-ot					
			O		madbekót	2										2	4	4	2	4				
	2;10.03	flower	T	maxóf	mexofi m							✓				✓	✓	✓	-im					
			O		mexofi m	2										2	2	2	4	2				
	2;10.03	flower	T	fafán	fiani m								✓			✓	✓	✓	-im					
			O		fafani m	2										2	2	4	1	2				
	2;10.03	flower	T	axbár	axbari m								✓			✓	✓	✓	-im					
			O		axbari m	2										2	2	4	4	2				
	2;10.03	flower	T	balón	baloni m / balónim								✓			✓	✓	✓	-im					
			O		baloni t	2										2	2	4	4	2				
	2;10.03	flower	T	pérax	praxi m					✓						✓	✓	✓	-im					
			O		praxi m	2										2	2	4	2	2				

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix						
							Ante-Penult.			Penult.			Final						Ante-Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.	-aim	
							Final segment		Final segment		Final segment														
							C	V	C	V	C	V													
			T O	glí da glí da	glí dot glí da	1 1				t t	a.o a.o	 ✓	2 2			✓ ✓			-ot -im						
	2;10.03	ice cream	T O	if if	anafi m if m	2 2							✓ ✓			✓ 2	✓ 2	✓ 2	✓ 2	2 2					
			T O	váfel váfim	váfim báfim	2 2			✓ ✓				✓ 2		2 4	4 4	✓ 2	2 2							
	2;10.03	dishware	T O	kli kalí	keli m kalí	2 2						✓ ✓			✓ 2	✓ 4	✓ 4	✓ 2	2 2						
			T O	aryé aryé	arayót aryé	1 1					✓ 2			✓ 2			✓ 2			-ot -im					
	2;10.03	lion	T O	aryé aryé	arayót arayí m	1 2						✓ ✓			✓ 2	4 4	4 4	2 2	3 2						
			T O	taxtón taxtoní m	taxtoní m taxtoní m	2 2					✓ ✓			✓ 2	✓ 2	✓ 4	4 4	4 4	2 2						
	Nubmer of production "errors"						65	0	0	0	0	1	0	0	2	1	2	3	5	2	19	1	2	1	
	% of production "errors"						20.90	0.00	0.00	0.00	0.00	2.86	0.00	0.00	5.88	20.00	3.77	1.60	2.06	0.82	7.79	0.56	8.33	2.44	
	Number of faithful productions						246	2	4	0	7	34	16	6	52	32	4	51	184	161	40	110	94	6	40
	% of faithful productions						79.10	100.00	100.00	0.00	100.00	97.14	100.00	100.00	94.12	80.00	96.23	98.40	66.26	16.33	45.08	52.51	25.00	97.56	
																			1	7	6	10	7	0	
																			0.41	2.86	2.46	5.59	29.17	0.00	
																			76	196	109	74	9	0	
																		31.28	80.00	44.67	41.34	37.50	0.00		
																		6	9	25	11	9	1		
																		2.4691	3.6734694	10.2459	6	38	2.43902439		
																		237	236	219	168	15	40		
																		97.53	96.33	89.75	94	63	97.56		
																		13	19	41	12	13	1		
																		3.04	4.42	9.58	4.20	30.95	0.98		
																		415	411	387	274	29	101		
																		96.96	95.58	90.42	95.80	69.05	99.02		
total "error" productions																		13	19	41	12	13	1		
total % of "error" productions																		3.04	4.42	9.58	4.20	30.95	0.98		
total faithful productions																		415	411	387	274	29	101		
total % of faithful productions																		96.96	95.58	90.42	95.80	69.05	99.02		

total "error" productions
total % of "error" productions
total faithful productions
total % of faithful productions

total error

total faithul

Appendix 7 - PL production Vs. No PL Production / Sg. Production

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Number of 6 in the sg.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix					
								Ante-Penult.			Penult.			Final			Ante- Penult. / Pre-Ante Penult.	Penult.				Final	Reg.	Irreg.	-aim		
								Final segment		V	Final segment		V	Final segment		V											
								C	a.o		C	a.o		C	a.o												
I	1;05.29	shoe	T	ná.al	na.aláim	1	2	t	a.o		V	t	a.o		V	t	a.o		V	1	1	1	2	2	1		3
I	1;07.10	flower	T	pérax	praxi m	1	2					1							1	1	1	2	1	1			
I	1;10.27	ear	T	ózen	oznáim	1	2					1						1	1	1	2	1	1			3	
II	2;00.09	butterfly	T	parpár	parpari m	1	2							1				1	1	1	2	2	2	1			
II	2;00.29	car	T	óto	ótoim	1	2					1				1			2	2	2	1	1				
II	2;01.12	house	T	báit	bati m	1	2			1								1	1	1	2	1	1	1			
III	2;02.04	bracelet	T	camí d	cmidi m	1	2							1				1	1	1	2	1	1	1			
III	2;02.18	flower	T	pérax	praxi m	1	2					1						1	1	2	1	1	1	1			
IV	2;04.25	eye	T	áin	eináim	1	2					1						1		1	1	2	1			3	
IV	2;05.09	sock	T	gérev	garbáim	1	2					1						1		1	1	1	1			3	
IV	2;05.09	lion	T	aryé	arayót	1	2							1				1		1	2	1	1		2		
IV	2;05.09	carrot	T	gézer	gzari m	1	2					1						1	1	1	1	1	1	1			
IV	2;05.09	wound	T	péca	pcai m	1	2					1						1	1	1	2	1	1	1			
IV	2;05.26	bucket	T	dli	dlai m	1	1								1			1	2	1	1	2	1				
IV	2;05.26	mouth	T	pe	piót	1	1							1				1	1	1	1	2			2		
IV	2;05.26	road	T	kvíj	kvíji m	1	1							1				1	1	2	2	2	1				
IV	2;05.26	person	T	íj	anají m	1	1							1				1	1	1	1	1	1	1			
IV	2;05.26	gate	T	fáar	feari m	1	2					1						1	1	1	1	2	1				
IV	2;05.26	tower	T	mígdál	mígdali m	1	2							1				1	1	2	2	2	1				
IV	2;05.26	glass	T	zxuxi t	zxuxiót	1	2							1				1	1	2	1	2					
IV	2;05.26	wound	T	péca	pcai m	1	2					1						1	1	2	1	1	1	1			
IV	2;05.26	fox	T	fuál	fuali m	1	2							1				1	1	2	2	2	1				
IV	2;05.26	bed	T	mitá	mitót	1	2								1			1	2	2	1	2		2			
IV	2;05.26	dwarf	T	gamád	gamadi m	1	2							1				1	1	2	2	2	1				
IV	2;05.26	car	T	óto	ótoim	1	2					1							2	2	2	2	1				
IV	2;05.26	dog	T	kélev	klaví m	1	2					1						1		1	1	1	1	1			
IV	2;05.26	tractor	T	tráktor	tráktorim	1	2					1						1		2	2	2	1				
IV	2;05.26	ice cream	T	glí da	glí dot	1	2					1							1	2	2	1	2				
IV	2;05.26	scooter	T	kórkinet	kórkinetim / korkinétim	1	3	1										1	1		1	2	2	1			
IV	2;05.26	ham-burger	T	hámburger	hámburgerim	1	3		1									1		2	2	2	2	1			
IV	2;05.26	airplane	T	avirón	avironi m	1	3							1					1	1	2	2	2	1			
IV	2;05.26	telephone	T	télefon	télefonim / telefonim	1	3		1									1	1		1	2	2	1			
IV	2;05.28	ice cream	T	glí da	glí dot	1	2					1							1		2	2	1	2			
IV	2;05.28	pepper	T	pí lpel	pí lpelim	1	2					1						1		1	2	2	2	1			
IV	2;05.28	lion	T	aryé	arayót	1	2							1					1	2	2	1			2		
IV	2;05.28	carrot	T	gézer	gzari m	1	2					1						1	1	1	1	1	1	1			
IV	2;05.28	grapefruit	T	efkoli t	efkoliót	1	3							1				1	1	2	1	1	2				
IV	2;06.06	snail	T	xilazón	xelzonót	1	3							1				1	1	1	1	1			2		
IV	2;06.12	bucket	T	dli	dlai m	1	1								1			1	2	1	1	2	1				
IV	2;06.12	mouth	T	pe	piót	1	1								1			1	1	1	1	2			2		
IV	2;06.12	road	T	kvíj	kvíji m	1	1							1				1	1	1	2	2	1				
IV	2;06.12	gate	T	fáar	feari m	1	2					1						1	1	1	1	2	1				
IV	2;06.12	wound	T	péca	pcai m	1	2					1						1	1	2	1	1	1				
IV	2;06.12	car	T	óto	ótoim	1	2					1						1		2	2	2	2	1			
IV	2;06.12	dog	T	kélev	klaví m	1	2					1						1	1	1	1	1	1	1			
IV	2;06.12	tractor	T	tráktor	tráktorim	1	2					1						1		2	2	2	2	1			
IV	2;06.12	pepper	T	pí lpel	pí lpelim	1	2					1							2	2	2	2	2	1			
IV	2;06.12	cheese	T	gviná	gvinót	1	2							1				1	2	2	1	2	1	2			
IV	2;06.12	carrot	T	gézer	gzari m	1	2					1						1	1	1	1	1	1	1			
IV	2;06.12	piano	T	psanter	psanteri m	1	2							1				1	1	2	2	2	1				

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Number of 6 in the sg.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix			
								Ante-Penult.			Penult.			Final			Ante- Penult. / Pre-Ante Penult.	Penult.				Final	Reg.	Irreg.	-aim
								Final segment		V	Final segment		V	Final segment		V									
								C	a.o		C	a.o		C	a.o										
IV	2;06.12	shirt	T	xulcà	xulcót	1	2								1			1	2	2	1	2			
IV	2;06.12	sweater	T	svéder	svéderim	1	2					1				1			2	2	2	1			
IV	2;06.12	house	T	báit	bati m	1	2				1						1	1	2	1	1				
IV	2;06.12	scooter	T	kórkinet	kórkinetim / korkinétim	1	3	1								1	1		1	2	2	1			
IV	2;06.12	telephone	T	télefon	télefonim / telefónim	1	3		1							1	1		1	2	2	1			
IV	2;06.12	grapefruit	T	efkoli't	efkoliót	1	3						1				1	1	2	1	2				
IV	2;08.19	tail	T	zanáv	znavót	1	2							1			1	1	2	1			2		
IV	2;08.19	corn	T	tí ras	tí rasim	1	2					1				1			2	2	2	1			
IV	2;08.19	water-melon	T	avati'ax	avatixi'm	1	4					1					1	1	2	1	1				
IV	2;10.03	ice cream	T	glí da	glí dot	1	2										1	2	2	1	2				
Total frequency no produc/sg. produc.						60	7	2	3	0	2	20	9	2	13	9	14	11	39	41	15	30	41	0	0
Total %frequency no produc/sg. produc.						100.00	11.67	100.00	100.00	0.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	68.33	25.00	50.00	82.00	0.00	0.00
Total frequency Pl. produc/sg. produc.						0	43												19	45	30	9	6	0	
Total %frequency Pl. produc/sg. produc.						0.00	71.67												31.67	75.00	50.00	18.00	100.00	0.00	
							9																0	4	
							15.00																0.00	100.00	
							1																		
							1.67																		
I	1;07.10	block	T	kubiyá	kubiyót	2	3							1				1	2	2	1	2			
I	1;08.27	butterfly	T	parpár	parpari'm	2	2							1				1	1	2	2	1			
I	1;08.27	sock	T	gërev	garbáim	2	2					1					1	1	1	1	1		3		
I	1;09.11	shoe	T	ná.al	na.aláim	2	2					1					1	1	2	2			3		
I	1;09.11	sock	T	gërev	garbáim	2	2					1					1	1	1	1	1		3		
I	1;09.19	sock	T	gërev	garbáim	2	2					1					1		1	1	1		3		
I	1;09.19	shoe	T	ná.al	na.aláim	2	2					1					1		1	2	2		3		
I	1;09.19	block	T	kubiyá	kubiyót	2	3							1			1	2	2	1	2				
I	1;10.00	eye	T	áin	eináim	2	2					1					1	1	1	1	2		3		
I	1;10.00	pants	T	mixnás	mixnasáim	2	2							1				1	2	2			3		
I	1;10.00	sock	T	gërev	garbáim	2	2					1					1		1	1	1		3		
I	1;10.00	foot	T	règel	ragláim	2	2					1					1		1	1	1		3		
I	1;10.00	pin	T	siká	sikót	2	2							1				1	2	2	1	2			
I	1;10.00	drop	T	tipá	tipót	2	2							1				1	2	2	1	2			
I	1;10.27	foot	T	règel	ragláim	2	2					1					1		1	1	1		3		
I	1;10.27	shoe	T	ná.al	na.aláim	2	2					1					1		1	2	2		3		
I	1;10.27	eye	T	áin	eináim	2	2					1					1		1	1	2		3		
I	1;10.27	circle	T	igúl	igulí'm	2	2							1				1	1	2	2	1			
I	1;10.27	block	T	kubiyá	kubiyót	2	3							1				1	2	2	1	2			
I	1;10.27	hair	T	seará	searót	2	3							1				1	2	2	1	2			
I	1;10.27	sticker	T	madbeká	madbekót	2	3							1				1	2	2	1	2			
I	1;11.18	tooth	T	fén	fináim	2	1							1			1		1	1	2		3		
I	1;11.18	foot	T	règel	ragláim	2	2					1					1		1	1	1		3		
I	1;11.18	picture	T	tmuná	tmunót	2	2							1				1	2	2	1	2			
I	1;11.18	candy	T	sukaryá	sukaryót	2	3							1				1	2	2	1	2			
I	1;11.25	bird	T	cipór	ciporí'm	2	2							1				1	1	2	2		1		
I	1;11.25	eye	T	áin	eináim	2	2					1					1		1	1	2		3		
I	1;11.25	animal	T	xayá	xayót	2	2							1				1	2	2	1	2			
I	2;00.02	foot	T	règel	ragláim	2	2					1					1		1	1	1		3		

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Number of 6 in the sg.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix						
								Ante-Penult.				Penult.				Final						Ante- Penult. / Pre-Ante Penult.	Penult.	Final	Reg.	Irreg.	-aim	
								Final segment				Final segment				Final segment												
								C		V	C		V	C		V												
t	a.o	t	a.o	t	a.o																							
I	2;00.02	shoe	T	ná.al	na.aláim	2	2				1				1		1	2	2			3						
I	2;00.02	pants	T	mixnás	mixnasáim	2	2						1		1		1	2	2			3						
II	2;00.09	bear	T	dov	dubí m	2	1						1			1	1	1	2	1								
II	2;00.09	eye	T	áin	eináim	2	2			1					1		1	1	2			3						
II	2;00.09	circle	T	igúl	igulí m	2	2						1			1	1	2	2	1								
II	2;00.09	candy	T	sukaryá	sukaryót	2	3							1			1	2	2	1	2							
II	2;00.16	tooth	T	fen	fináim	2	1						1			1		1	1	2		3						
II	2;00.16	hand	T	yad	yadáim	2	1						1			1		1	2	2		3						
II	2;00.16	cheek	T	léxi	lexayáim	2	2				1				1		1	1	1	1		3						
II	2;00.16	eye	T	áin	eináim	2	2			1					1		1	1	1	2		3						
II	2;00.16	child	T	yéled	yeladi m	2	2			1						1	1	1	2	1								
II	2;00.16	star	T	koxáv	koxavi m	2	2						1			1	1	2	2	1								
II	2;00.16	picture	T	tmuná	tmunót	2	2							1			1	2	2	1	2							
II	2;00.16	boot	T	magáf	magafáim	2	2						1			1	1	2	2	2		3						
II	2;00.16	pants	T	mixnás	mixnasáim	2	2						1			1		1	2	2		3						
II	2;00.16	foot	T	règel	ragláim	2	2				1					1	1	1	1			3						
II	2;00.16	candy	T	sukaryá	sukaryót	2	3							1			1	2	2	1	2							
II	2;00.26	house	T	báit	bati m	2	2			1						1	1	2	1		1							
II	2;00.29	picture	T	tmuná	tmunót	2	2							1			1	2	2	1	2							
II	2;00.29	shoe	T	ná.al	na.aláim	2	2				1					1		1	2	2		3						
II	2;00.29	ant	T	nemalá	nemali m	2	3							1			1	2	2	1		1						
II	2;00.29	bus	T	ótobus	otobúsím	2	3		1							1		1	2	2	1							
II	2;00.29	stair	T	madregá	madregót	2	3							1			1	2	2	1	2							
II	2;01.06	fruit	T	pri	perót	2	1							1			1	2	2	1		2						
II	2;01.06	eye	T	áin	eináim	2	2				1					1		1	1	2		3						
II	2;01.06	foot	T	règel	ragláim	2	2				1					1		1	1	1		3						
II	2;01.06	sticker	T	madbeká	madbekót	2	3							1			1	2	2	1	2							
II	2;01.12	dishware	T	kli	keli m	2	1							1			1	2	2	1	1							
II	2;01.12	shoe	T	ná.al	na.aláim	2	2				1					1		1	2	2		3						
II	2;01.12	ear	T	ózen	oznáim	2	2				1					1		1	2	1		3						
II	2;01.12	eye	T	áin	eináim	2	2				1					1		1	1	2		3						
II	2;01.12	candy	T	sukaryá	sukaryót	2	3							1			1	2	2	1	2							
II	2;01.12	rubber band	T	gumiyá	gumiyót	2	3							1			1	2	2	1	2							
II	2;01.12	hair	T	seará	scarót	2	3							1			1	2	2	1	2							
II	2;01.19	fruit	T	pri	perót	2	1							1			1	2	2	1		2						
II	2;01.19	shoe	T	ná.al	na.aláim	2	2				1					1		1	2	2		3						
II	2;01.19	doll	T	bubá	bubót	2	2							1			1	2	2	1	2							
II	2;01.19	cloud	T	anán	anani m	2	2						1			1	1	2	2	2	1							
II	2;01.19	animal	T	xayá	xayót	2	2							1			1	2	2	2	2							
II	2;01.19	bee	T	dvorá	dvori m	2	2							1			1	2	2	1		1						
II	2;01.19	lion	T	aryé	arayót	2	2							1			1	2	2	1		2						
II	2;01.19	bird	T	cipór	cipori m	2	2						1				1	1	2	2		1						
III	2;01.27	glitter	T	nácnac	nácnacím	2	2				1				1			2	2	2	1							
III	2;01.27	butterfly	T	parpár	parpari m	2	2						1				1	1	2	2	1							
III	2;01.27	story	T	sipúr	sipuri m	2	2						1				1	1	2	2	1							
III	2;02.04	eye	T	áin	eináim	2	2				1					1		1	1	2		3						
III	2;02.04	rubber band	T	gumiyá	gumiyót	2	3							1			1	2	2	1	2							
III	2;02.11	animal	T	xayá	xayót	2	2							1			1	2	2	1	2							
III	2;02.11	mouse	T	axbár	axbari m	2	2							1			1	1	2	2	1							
III	2;02.18	bear	T	dov	dubí m	2	1						1				1	1	1	2	1							
III	2;02.18	cat	T	xatúl	xatulí m	2	2							1			1	1	2	2	1							
III	2;02.18	sock	T	gèrev	garbáim	2	2					1					1	1	1	1		3						
III	2;02.18	bird	T	cipór	cipori m	2	2						1				1	1	2	2		1						

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Number of 6 in the sg.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix			
								Ante-Penult.			Penult.			Final			Ante- Penult. / Pre-Ante Penult.	Penult.				Final	Reg.	Irreg.	-aim
								Final segment		V	Final segment		V	Final segment		V									
								C	a.o		C	a.o		C	a.o										
III	2;02.18	painting	T	ciyúr	ciyuri m	2	2	t	a.o		t	a.o		t	a.o			1	1	2	2	1			
III	2;02.24	fish	T	dag	dagi m	2	1							1			1	1	2	2	1				
III	2;02.24	hand	T	yad	yadám	2	1							1		1	1	2	2	2		3			
III	2;02.24	tooth	T	fen	finám	2	1							1		1	1	1	2			3			
III	2;02.24	dishware	T	kli	keli m	2	1								1		1	2	2	1	1				
III	2;02.24	story	T	sipúr	sipuri m	2	2						1				1	1	2	2	1				
III	2;02.24	book	T	séfer	sfari m	2	2			1						1	1	1	1	1	1				
III	2;02.24	child	T	yéled	yeladi m	2	2			1						1	1	1	1	2	1				
III	2;02.24	color	T	céva	evai m	2	2				1						1	1	2	1	1				
III	2;02.24	tentacle	T	maxóf	mexofi m	2	2							1			1	1	1	2	1				
III	2;02.24	foot	T	régel	raglám	2	2				1					1	1	1	1	1	1		3		
III	2;02.24	key	T	mafléax	mafléxót	2	3				1						1	1	2	1		2			
III	2;03.01	fish	T	dag	dagi m	2	1							1			1	1	2	2	1				
III	2;03.01	dishware	T	kli	keli m	2	1								1		1	2	2	1	1				
III	2;03.01	person	T	if	anafi m	2	1							1			1	1	1	1	1				
III	2;03.01	butterfly	T	parpár	parpari m	2	2							1			1	1	2	2	1				
III	2;03.01	doll	T	bubá	bubót	2	2								1		1	2	2	1	2				
III	2;03.01	shoe	T	ná.al	na.alám	2	2			1						1	1	2	2	1	2		3		
III	2;03.01	girl	T	yaldá	yeladót	2	2								1		1	2	1	1	2				
III	2;03.01	eye	T	áin	einám	2	2				1					1	1	1	1	2	1		3		
III	2;03.01	part	T	xélek	xalaki m	2	2				1						1	1	1	2	1				
III	2;03.01	ponytail holder	T	kukiyá	kukiyót	2	3								1		1	2	2	1	2				
III	2;03.14	hand	T	yad	yadám	2	1							1			1	1	2	2	2		3		
III	2;03.14	color	T	céva	evai m	2	2					1					1	1	2	1	1				
III	2;03.14	mouse	T	axbár	axbari m	2	2							1			1	1	2	2	1				
III	2;03.14	flower	T	pérax	praxi m	2	2			1							1	1	2	1	1				
III	2;03.14	cloud	T	anán	anani m	2	2							1			1	1	2	2	1				
III	2;03.14	eye	T	áin	einám	2	2				1					1	1	1	1	2	1		3		
III	2;03.14	foot	T	régel	raglám	2	2				1						1	1	1	1			3		
III	2;03.14	animal	T	xayá	xayót	2	2								1			1	2	2	1	2			
III	2;03.14	sticker	T	madbeká	madbekót	2	3							1			1	2	2	1	2				
III	2;03.22	picture	T	tmuná	tmunót	2	2								1		1	2	2	1	2				
III	2;03.22	shoe	T	ná.al	na.alám	2	2				1						1	1	2	2	1		3		
III	2;03.22	hat	T	kóva	kovai m	2	2					1					1	1	2	2	1				
III	2;03.22	cat	T	xatul	xatulí m	2	2							1			1	1	2	2	1				
III	2;03.22	foot	T	régel	raglám	2	2				1						1	1	1	1	1		3		
III	2;03.22	doll	T	bubá	bubót	2	2								1		1	2	2	1	2				
III	2;03.22	pin	T	siká	sikót	2	2								1		1	2	2	1	2				
III	2;03.22	block	T	kubiyá	kubiyót	2	3								1		1	2	2	1	2				
III	2;03.22	rubber band	T	gumiyá	gumiyót	2	3								1		1	2	2	1	2				
III	2;03.28	eye	T	áin	einám	2	2				1					1	1	1	1	2	1		3		
III	2;03.28	color	T	céva	evai m	2	2					1					1	1	2	1	1				
III	2;03.28	snake	T	naxáf	nexafi m	2	2							1			1	1	1	2	1				
III	2;03.28	tentacle	T	maxóf	mexofi m	2	2							1			1	1	1	2	1				
III	2;03.28	wing	T	kanáf	knaifám	2	2							1		1	1	1	2	1	1		3		
III	2;03.28	bubble	T	buá	buót	2	2								1		1	2	2	1	2				
III	2;04.05	hand	T	yad	yadám	2	1							1			1	1	2	2	2		3		
III	2;04.05	stuff	T	davár	dvari m	2	2								1		1	1	2	1	1				
III	2;04.05	circle	T	igúl	iguli m	2	2							1			1	1	2	2	1				
III	2;04.05	doll	T	bubá	bubót	2	2								1		1	2	2	1	2				
III	2;04.05	animal	T	xayá	xayót	2	2								1		1	2	2	1	2				
III	2;04.05	bird	T	cipór	cipori m	2	2							1			1	1	2	2	2		1		
III	2;04.05	candy	T	sukaryá	sukaryót	2	3								1		1	2	2	1	2				

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Number of 6 in the sg.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix			
								Ante-Penult.				Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim	
								Final segment				Final segment		Final segment											
								C		V	C		V	C											V
								t	a.o		t	a.o		t	a.o										
III	2;04.05	giraffe	T	dʒiráfa	dʒiráfot	2	3									1		2	2	1	2				
III	2;04.12	hand	T	yad	yadáim	2	1							1		1		1	2	2			3		
III	2;04.12	eye	T	áin	eináim	2	2				1					1		1	1	2			3		
III	2;04.12	baby	T	tinók	tinokót	2	2						1				1	1	2	2		2			
III	2;04.12	wet wipes	T	magvón	magvoni m	2	2						1				1	1	2	2	1				
III	2;04.12	doll	T	bubá	bubót	2	2								1		1	2	2	1	2				
III	2;04.12	ring	T	tabáat	tabaót	2	3			1							1	1	2	1	2				
III	2;04.12	ponytail holder	T	kukiyá	kukiyót	2	3							1			1	2	2	2	1	2			
III	2;04.19	star	T	koxáv	koxavi m	2	2						1				1	1	2	2	2	1			
III	2;04.19	shoe	T	ná.al	na.aláim	2	2			1						1		1	2	2	2		3		
III	2;04.19	sweet	T	mamták	mamtakí m	2	2						1				1	1	2	2	2	1			
III	2;04.19	stuff	T	davár	dvarí m	2	2						1				1	1	2	2	1	1			
III	2;04.19	candy	T	sukaryá	sukaryót	2	3							1			1	2	2	2	1	2			
III	2;04.19	block	T	kubiyá	kubiyót	2	3							1			1	2	2	2	1	2			
IV	2;04.25	friend	T	xavér	xaverí m	2	2						1				1	1	2	2	2	1			
IV	2;04.25	zebra	T	zébra	zébrot	2	2				1					1		2	2	2	1	2			
IV	2;04.25	cat	T	xatúl	xatulí m	2	2						1				1	1	2	2	2	1			
IV	2;04.25	doll	T	bubá	bubót	2	2								1		1	2	2	2	1	2			
IV	2;04.25	number	T	mispár	mispari m	2	2						1				1	1	2	2	2	1			
IV	2;04.25	animal	T	xayá	xayót	2	2								1		1	2	2	2	1	2			
IV	2;05.09	tree	T	ec	ecí m	2	1							1			1	1	2	2	2	1			
IV	2;05.09	sound	T	kol	kolót	2	1							1			1	1	2	2	2		2		
IV	2;05.09	popsicle	T	flúk	flúkim	2	1								1			2	2	2	2	1			
IV	2;05.09	turtle	T	cav	cavi m	2	1						1				1	1	2	2	2	1			
IV	2;05.09	mouse	T	axbár	axbarí m	2	2							1				1	1	2	2	2	1		
IV	2;05.09	color	T	céva	cvai m	2	2				1						1	1	2	2	1	1			
IV	2;05.09	bird	T	cipór	ciporí m	2	2							1			1	1	2	2	2		1		
IV	2;05.09	bee	T	dvorá	dvorí m	2	2								1		1	2	2	2	1		1		
IV	2;05.09	cloud	T	anán	anani m	2	2							1			1	1	2	2	2	1			
IV	2;05.09	flower	T	pérax	praxi m	2	2			1							1	1	2	2	1	1			
IV	2;05.09	eye	T	áin	eináim	2	2			1						1		1	1	2	2		3		
IV	2;05.09	branch	T	anáf	anafí m	2	2							1			1	1	2	2	2	1			
IV	2;05.09	foot	T	règel	ragláim	2	2			1						1		1	1	1	1		3		
IV	2;05.09	dog	T	kélev	klaví m	2	2			1							1	1	1	1	1	1			
IV	2;05.09	cat	T	xatúl	xatulí m	2	2						1				1	1	2	2	2	1			
IV	2;05.09	child	T	yèled	yeladi m	2	2			1							1	1	1	1	2	1			
IV	2;05.09	shirt	T	xulcá	xulcót	2	2								1		1	2	2	2	1	2			
IV	2;05.09	book	T	séfer	sfari m	2	2			1							1	1	1	1	1	1			
IV	2;05.09	baby	T	tinók	tinokót	2	2						1				1	1	2	2	2		2		
IV	2;05.09	cookie	T	ugiyá	ugiyót	2	3							1			1	2	2	2	1	2			
IV	2;05.15	light	T	or	orót	2	1						1				1	1	2	2	2		2		
IV	2;05.15	shoe	T	ná.al	na.aláim	2	2			1						1		1	2	2	2		3		
IV	2;05.15	sock	T	gèrev	garbáim	2	2			1						1		1	1	1	1		3		
IV	2;05.26	eye	T	áin	eináim	2	2			1						1		1	1	2	2		3		
IV	2;05.26	book	T	séfer	sfari m	2	2				1						1	1	1	1	1	1			
IV	2;05.26	sock	T	gèrev	garbáim	2	2			1						1		1	1	1	1		3		
IV	2;05.26	part	T	xélek	xalaki m	2	2			1							1	1	1	1	2	1			
IV	2;05.26	balloon	T	balón	baloní m / balónim	2	2							1			1	1	1	2	2	1			
IV	2;05.26	ball	T	kadúr	kaduri m	2	2							1			1	1	2	2	2	1			
IV	2;05.26	cloud	T	anán	anani m	2	2							1			1	1	2	2	2	1			
IV	2;05.26	foot	T	règel	ragláim	2	2			1							1	1	1	1	1		3		
IV	2;05.26	dress	T	simlá	smalót	2	2								1		1	2	2	2	1	2			

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Number of 6 in the sg.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix			
								Ante-Penult.			Penult.			Final			Ante- Penult. / Pre-Ante Penult.	Penult.				Final	Reg.	Irreg.	-aim
								Final segment			Final segment			Final segment											
								C	a.o	V	C	a.o	V	C	a.o	V									
								t	a.o		t	a.o		t	a.o										
IV	2;05.26	mouse	T	axbár	axbarí m	2	2							1			1	1	2	2	1				
IV	2;05.26	picture	T	tmuná	tmunót	2	2							1			1	2	2	1	2				
IV	2;05.26	tomato	T	agvaniyá	agvaniyót	2	3							1			1	2	2	1	2				
IV	2;05.26	whale	T	livyatán	livyatani m	2	3							1			1	1	2	2	1				
IV	2;05.26	piece	T	xatixá	xatixót	2	3							1			1	2	2	1	2				
IV	2;05.28	candle	T	ner	nerót	2	1							1			1	1	2	2		2			
IV	2;05.28	fish	T	dag	dagí m	2	1							1			1	1	2	2	1				
IV	2;05.28	game	T	misxák	misxaki m	2	2							1			1	1	2	2	1				
IV	2;05.28	sock	T	gérev	garbáim	2	2			1							1	1	1	1	1			3	
IV	2;05.28	cheese	T	gviná	gvinót	2	2							1			1	2	2	1	2				
IV	2;05.28	bunny	T	fáfan	fáni m	2	2							1			1	1	2	1	1				
IV	2;05.28	cake	T	ugá	ugót	2	2							1			1	2	2	1	2				
IV	2;05.28	zebra	T	zébra	zébrot	2	2					1					1	2	2	1	2				
IV	2;05.28	window	T	xalón	xalonót	2	2							1			1	1	2	2	2		2		
IV	2;05.28	baby	T	tinók	tinokót	2	2							1			1	1	2	2		2			
IV	2;05.28	piano	T	psanér	psanteri m	2	2							1			1	1	2	2	1				
IV	2;05.28	mouse	T	axbár	axbarí m	2	2							1			1	1	2	2	1				
IV	2;05.28	picture	T	tmuná	tmunót	2	2							1			1	2	2	1	2				
IV	2;05.28	plastic bag	T	saki t	sakiót	2	2						1				1	1	2	1	2				
IV	2;05.28	shirt	T	xulcá	xulcót	2	2							1			1	2	2	1	2				
IV	2;05.28	camel	T	gamál	gmali m	2	2							1			1	1	2	1	1				
IV	2;05.28	stone	T	éven	avani m	2	2			1							1	1	1	2		1			
IV	2;05.28	sweater	T	svéder	svéderim	2	2			1						1		2	2	2	1				
IV	2;05.28	chewing gum	T	mástik	mástikim	2	2			1						1		2	2	2	2	1			
IV	2;05.28	cat	T	xatulí	xatulí m	2	2							1			1	1	2	2	1				
IV	2;05.28	bracelet	T	camí d	cmidi m	2	2							1			1	1	2	1	1				
IV	2;05.28	spinning-top	T	sevivón	svivoni m	2	3							1			1	1	2	1	1				
IV	2;05.28	key	T	mafléxót	mafléxót	2	3			1							1	1	2	1			2		
IV	2;05.28	bathtub	T	ambátyot	ambátyot	2	3				1						1	2	2	1	2				
IV	2;05.28	train	T	rakévet	rakavót	2	3			1							1	1	1	1	2				
IV	2;05.28	swing	T	nadnedá	nadnedót	2	3							1			1	2	2	1	2				
IV	2;05.28	candy	T	sukaryá	sukaryót	2	3							1			1	2	2	1	2				
IV	2;05.28	stroller	T	agalá	agalót	2	3							1			1	2	2	1	2				
IV	2;05.28	lamp	T	menorá	menorót	2	3							1			1	2	2	1	2				
IV	2;06.06	light	T	or	orót	2	1							1			1	1	2	2		2			
IV	2;06.06	hand	T	yad	yadáim	2	1							1			1	1	2	2			3		
IV	2;06.06	sock	T	gérev	garbáim	2	2			1						1	1	1	1	1			3		
IV	2;06.06	shoe	T	ná.al	na.aláim	2	2			1						1	1	2	2	2			3		
IV	2;06.06	painting	T	ciyúr	ciyuri m	2	2							1			1	1	2	2	1				
IV	2;06.06	pants	T	mixnás	mixnasáim	2	2							1			1	1	2	2	2		3		
IV	2;06.06	candy	T	sukaryá	sukaryót	2	3							1			1	2	2	1	2				
IV	2;06.06	block	T	kubiyót	kubiyót	2	3							1			1	2	2	1	2				
IV	2;06.06	stroller	T	agalá	agalót	2	3							1			1	2	2	1	2				
IV	2;06.12	fish	T	dag	dagí m	2	1							1			1	1	2	2	1				
IV	2;06.12	person	T	if	anafi m	2	1							1			1	1	1	1	1				
IV	2;06.12	eye	T	áin	eináim	2	2			1						1	1	1	1	2			3		
IV	2;06.12	tower	T	migdál	migdali m	2	2							1			1	1	2	2	1				
IV	2;06.12	glass	T	zxuxi t	zxuxiót	2	2							1			1	1	2	1	2				
IV	2;06.12	balloon	T	balón	baloni m / balónim	2	2							1			1	1	2	2	1				
IV	2;06.12	fox	T	fuál	fuali m	2	2							1			1	1	2	2	1				
IV	2;06.12	bed	T	mitá	mitót	2	2							1			1	2	2	1	2				
IV	2;06.12	dwarf	T	gamád	gamadi m	2	2							1			1	1	2	2	1				

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								Ante-Penult.			Penult.			Final			Ante- Penult. / Pre-Ante Penult.	Penult.				Final	Reg.	Irreg.	-aim
								Final segment		V	Final segment		V	Final segment		V									
								C	a.o		C	a.o		C	a.o										
IV	2;06.12	ball	T	kadúr	kaduri m	2	2	t	a.o		V	t	a.o		V	t		1	1	2	2	1			
IV	2;06.12	cloud	T	anán	anani m	2	2										1	1	2	2	1				
IV	2;06.12	drop	T	tipá	tipót	2	2								1		1	2	2	1	2				
IV	2;06.12	ice cream	T	glí da	glí dot	2	2				1					1		2	2	1	2				
IV	2;06.12	lion	T	aryé	arayót	2	2								1		1	2	2	1		2			
IV	2;06.12	rabbit	T	ʔarnáv	ʔarnavót / ʔarnavi m	2	2						1				1	1	2	2	-im /-ot				
IV	2;06.12	bunny	T	fáfán	fáfani m	2	2						1				1	1	2	1	1				
IV	2;06.12	cake	T	ugá	ugót	2	2								1		1	2	2	1	2				
IV	2;06.12	zebra	T	zébza	zébrot	2	2				1					1		2	2	1	2				
IV	2;06.12	window	T	xalón	xalonót	2	2						1				1	1	2	2		2			
IV	2;06.12	baby	T	tinók	tinokót	2	2						1				1	1	2	2		2			
IV	2;06.12	mouse	T	axbár	axbari m	2	2						1				1	1	2	2	1				
IV	2;06.12	plastic bag	T	saki t	sakiót	2	2					1					1	1	2	1	2				
IV	2;06.12	camel	T	gamál	gmali m	2	2						1				1	1	2	1	1				
IV	2;06.12	stone	T	éven	avani m	2	2			1							1	1	1	2		1			
IV	2;06.12	tomato	T	agvaniyá	agvaniyót	2	3								1		1	2	2	1	2				
IV	2;06.12	ham-burger	T	hámburger	hámburgerim	2	3		1							1		2	2	2	1				
IV	2;06.12	whale	T	livyatán	livyatani m	2	3						1				1	1	2	2	1				
IV	2;06.12	airplane	T	avirón	avironi m	2	3						1				1	1	2	2	1				
IV	2;06.12	spinning-top	T	sevivón	svivoni m	2	3						1				1	1	2	1	1				
IV	2;06.12	key	T	mafleax	maflexót	2	3			1							1	1	2	1		2			
IV	2;06.12	bath-tub	T	ambátya	ambátyot	2	3				1						1		2	2	1	2			
IV	2;06.12	train	T	rakévet	rakavót	2	3			1							1	1	1	1	1	2			
IV	2;06.12	swing	T	nadnedá	nadnedót	2	3								1		1	2	2	1	2				
IV	2;06.12	candy	T	sukaryá	sukaryót	2	3								1		1	2	2	1	2				
IV	2;06.12	stroller	T	agalá	agalót	2	3								1		1	2	2	1	2				
IV	2;06.12	lamp	T	menorá	menorót	2	3								1		1	2	2	1	2				
IV	2;06.12	stair	T	madregá	madregót	2	3								1		1	2	2	1	2				
IV	2;06.19	bottle	T	bakbúk	bakbuki m	2	2						1				1	1	2	2	1				
IV	2;06.19	eye	T	áin	eináim	2	2			1							1		1	1	2		3		
IV	2;06.19	ear	T	ózen	oznáim	2	2			1							1		1	2	1		3		
IV	2;06.19	surprise	T	hafta.á	haftaót	2	3							1			1	2	2	1	2				
IV	2;06.29	hand	T	yad	yadáim	2	1						1				1	1	2	2			3		
IV	2;06.29	drinking glass	T	kos	kosót	2	1						1				1	1	2	2	2				
IV	2;06.29	sock	T	gérev	garbáim	2	2			1							1		1	1			3		
IV	2;06.29	picture	T	tmuná	tmunót	2	2							1			1	2	2	1	2				
IV	2;06.29	duck	T	barváz	barvazi m	2	2							1			1	1	2	2	1				
IV	2;06.29	cat	T	xatúl	xatulí m	2	2						1				1	1	2	2	1				
IV	2;06.29	tower	T	migdál	migdali m	2	2						1				1	1	2	2	1				
IV	2;06.29	bird	T	cipór	cipori m	2	2							1			1	1	2	2		1			
IV	2;06.29	block	T	kubiyá	kubiyót	2	3							1			1	2	2	1	2				
IV	2;06.29	stair	T	madregá	madregót	2	3							1			1	2	2	1	2				
IV	2;07.19	glitter	T	nácnac	nácnacim	2	2			1						1		2	2	2	1				
IV	2;07.19	foot	T	régel	ragláim	2	2			1							1		1	1			3		
IV	2;07.19	color	T	céva	evai m	2	2				1						1	1	2	1	1				
IV	2;07.19	shape	T	curá	curót	2	2							1			1	2	2	1	2				
IV	2;07.19	stair	T	madregá	madregót	2	3							1			1	2	2	1	2				
IV	2;08.02	hand	T	yad	yadai m	2	1						1				1	1	2	2			3		
IV	2;08.02	shoe	T	ná.al	na.aláim	2	2			1							1		1	2	2		3		
IV	2;08.02	flower	T	pérax	praxi m	2	2			1							1	1	2	1	1				
IV	2;08.02	foot	T	régel	ragláim	2	2			1							1		1	1	1		3		
IV	2;08.02	ear	T	ózen	oznáim	2	2			1							1	1	2	1			3		

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Number of 6 in the sg.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix			
								Ante-Penult.			Penult.			Final			Ante- Penult. / Pre-Ante Penult.	Penult.				Final	Reg.	Irreg.	-aim
								Final segment			Final segment			Final segment											
								C	a.o	V	C	a.o	V	C	a.o	V									
								t	a.o		t	a.o		t	a.o										
IV	2;08.02	stick	T	makél	maklót	2	2							1			1	1	2	1	2			2	
IV	2;08.02	picture	T	tmuná	tmunót	2	2								1		1	2	2	1	2		2		
IV	2;08.02	foot	T	régel	ragláim	2	2				1						1	1	1	1	1			3	
IV	2;08.02	circle	T	ígúl	ígulí m	2	2							1				1	1	2	2	1			
IV	2;08.02	eye	T	áin	eináim	2	2				1						1	1	1	2	2			3	
IV	2;08.02	rubber band	T	gumiyá	gumiyót	2	3								1			1	2	2	1	2			
IV	2;08.02	block	T	kubiyá	kubiyót	2	3								1		1	2	2	1	2		2		
IV	2;08.19	hand	T	yad	yadáim	2	1							1			1	1	2	2	2			3	
IV	2;08.19	line	T	kav	kaví m	2	1							1				1	1	2	2	1			
IV	2;08.19	card	T	klaf	klafí m	2	1							1				1	1	2	2	1			
IV	2;08.19	drinking glass	T	kos	kosót	2	1							1			1	1	2	2	2	2			
IV	2;08.19	fish	T	dag	dagí m	2	1							1				1	1	2	2	2	1		
IV	2;08.19	hand	T	yad	yadáim	2	1							1			1	1	2	2	2			3	
IV	2;08.19	cow	T	pará	parót	2	2									1		1	2	2	1	2			
IV	2;08.19	animal	T	xayá	xayót	2	2								1		1	2	2	1	2		2		
IV	2;08.19	under-wear	T	taxtón	taxtoní m	2	2							1				1	1	2	2	2	1		
IV	2;08.19	pants	T	mixnás	mixnasáim	2	2							1				1	1	2	2			3	
IV	2;08.19	flower	T	pérax	praxí m	2	2				1							1	1	2	1	1			
IV	2;08.19	apple	T	tapúax	tapuxí m	2	2				1							1	1	2	1	1			
IV	2;08.19	cat	T	xatúl	xatulí m	2	2							1				1	1	2	2	2	1		
IV	2;08.19	part	T	xélek	xalaki m	2	2				1							1	1	1	2	2	1		
IV	2;08.19	eye	T	áin	eináim	2	2				1						1		1	1	2			3	
IV	2;08.19	ear	T	ózen	oznáim	2	2				1						1		1	2	1			3	
IV	2;08.19	ice cream	T	glí da	glí dot	2	2					1					1		2	2	1	2			
IV	2;08.19	ball	T	kadúr	kadurí m	2	2							1				1	1	2	2	1			
IV	2;08.19	friend	T	xavér	xaverí m	2	2							1				1	1	2	2	1			
IV	2;08.19	doll	T	bubá	bubót	2	2									1		1	2	2	1	2			
IV	2;08.19	game	T	mixxák	mixxaki m	2	2							1				1	1	2	2	2	1		
IV	2;08.19	baby	T	tinók	tinokót	2	2							1				1	1	2	2	2		2	
IV	2;08.19	flower	T	pérax	praxi m	2	2				1							1	1	2	1	1			
IV	2;08.19	block	T	kubiyá	kubiyót	2	3									1		1	2	2	1	2			
IV	2;08.19	umbrella	T	mitriyá	mitriyót	2	3								1			1	2	2	1	2			
IV	2;08.19	auto-mobile	T	mexoni t	mexoniót	2	3							1				1	1	2	1	2			
IV	2;08.19	banana	T	banána	banánót	2	3					1					1		2	2	1	2			
IV	2;09.17	tooth	T	fen	fináim	2	1							1			1	1	1	2	1			3	
IV	2;09.17	hand	T	yad	yadáim	2	1							1			1		1	2	2			3	
IV	2;09.17	sweet	T	mamták	mamtakí m	2	2									1		1	1	2	2	2	1		
IV	2;09.17	glitter	T	nácnac	nácnacim	2	2				1					1			2	2	2	2	1		
IV	2;09.17	pants	T	mixnás	mixnasáim	2	2							1				1	1	2	2			3	
IV	2;09.17	child	T	yéled	yeladi m	2	2				1						1	1	1	2	2	1			
IV	2;09.17	dwarf	T	gamád	gamadi m	2	2							1				1	1	2	2	2	1		
IV	2;09.17	part	T	xélek	xalaki m	2	2				1							1	1	1	2	2	1		
IV	2;09.17	game	T	mixxák	mixxaki m	2	2							1				1	1	2	2	2	1		
IV	2;09.17	feather	T	nocá	nocót	2	2								1			1	2	2	1	2			
IV	2;09.17	stair	T	madregá	madregót	2	3								1			1	2	2	1	2			
IV	2;09.28	card	T	klaf	klafí m	2	1							1				1	1	2	2	2	1		
IV	2;09.28	straw-berry	T	tut	tútím	2	1							1					2	2	2	2	1		
IV	2;09.28	shoe	T	ná.al	na.aláim	2	2				1						1		1	2	2	2		3	
IV	2;09.28	sock	T	gérev	garbáim	2	2				1						1		1	1	1	1			3
IV	2;09.28	color	T	céva	evai m	2	2					1						1	1	2	1	1			
IV	2;09.28	ear	T	ózen	oznáim	2	2				1						1		1	1	2	1			3
IV	2;09.28	cloud	T	anán	anani m	2	2								1			1	1	2	2	2	1		
IV	2;09.28	tail	T	zanáv	znavót	2	2							1				1	1	2	1			2	

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Number of 6 in the sg.	Stress in the sg.								Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix			
								Ante-Penult.			Penult.			Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim	
								Final segment		Final segment		Final segment													
								C		V	C		V	C											V
t	a.o	t	a.o	t	a.o																				
IV	2;09.28	foot	T	régel	ragláim	2	2					1					1		1	1	1			3	
IV	2;09.28	pin	T	siká	sikót	2	2									1	2	2	1	2					
IV	2;09.28	window	T	xalón	xalonót	2	2							1			1	1	2	2	2		2		
IV	2;09.28	sticker	T	madbeká	madbekót	2	3									1	2	2	1	2		2			
IV	2;09.28	dot	T	nekudá	nekudót	2	3									1	2	2	1	2		2			
IV	2;09.28	sticker	T	madbeká	madbekót	2	3									1	2	2	1	2		2			
IV	2;09.28	necklace	T	farferet	farferaót	2	3				1						1	1	2	1	2				
IV	2;10.03	person	T	if	anafi m	2	1							1			1	1	1	1	1		1		
IV	2;10.03	dishware	T	kli	keli m	2	1									1	2	2	1	1		1			
IV	2;10.03	flower	T	pérax	praxi m	2	2				1						1	1	2	1	1		1		
IV	2;10.03	stone	T	éven	avani m	2	2				1						1	1	1	2			1		
IV	2;10.03	child	T	yeled	yeladi m	2	2				1						1	1	1	1	2		1		
IV	2;10.03	shoe	T	ná.al	na.aláim	2	2				1						1	1	2	2				3	
IV	2;10.03	sock	T	gérev	garbáim	2	2				1						1		1	1	1			3	
IV	2;10.03	freckle	T	némef	nemafi m	2	2				1						1	1	1	2		1			
IV	2;10.03	tear	T	dimá	dmaót	2	2									1		1	2	1	2				
IV	2;10.03	drop	T	tipá	tipót	2	2									1	2	2	1	2					
IV	2;10.03	tentacle	T	maxóf	mexofi m	2	2							1			1	1	1	2		1			
IV	2;10.03	bunny	T	fáfan	fáni m	2	2							1			1	1	2	1	1				
IV	2;10.03	mouse	T	axbár	axbari m	2	2							1			1	1	2	2	1				
IV	2;10.03	balloon	T	balón	baloni m / balónim	2	2							1			1	1	2	2		1			
IV	2;10.03	flower	T	pérax	praxi m	2	2				1						1	1	2	1	1				
IV	2;10.03	wafer	T	váfel	váflim	2	2				1						1	2	2	1	1				
IV	2;10.03	lion	T	aryé	arayót	2	2							1			1	2	2	1			2		
IV	2;10.03	under-wear	T	taxtón	taxtoni m	2	2							1			1	1	2	2		1			
IV	2;10.03	ant	T	nemalá	nemali m	2	3							1			1	2	2	1		1			
IV	2;10.03	kinder garden teacher	T	gančnet	gananót	2	3				1						1	1	1	1	2				
IV	2;10.03	stair	T	madregá	madregót	2	3									1		2	2	1	2				
IV	2;10.03	sticker	T	madbeká	madbekót	2	3									1	2	2	1	2					
IV	2;9.06	song	T	fír	firi m	2	1							1			1	1	2	2	1				
IV	2;9.06	friend	T	xavér	xaveri m	2	2							1			1	1	2	2	1				
IV	2;9.06	thunder	T	barák	braki m	2	2							1			1	1	2	1	1				
IV	2;9.06	shoe	T	ná.al	na.aláim	2	2				1						1	1	2	2			3		
IV	2;9.06	drop	T	tipá	tipót	2	2									1	2	2	1	2					
IV	2;9.06	part	T	xélek	xalaki m	2	2				1						1	1	1	2	1				
IV	2;9.06	dwarf	T	gamád	gamadi m	2	2							1			1	1	2	2	1				
IV	2;9.06	sticker	T	madbeká	madbekót	2	3									1	2	2	1	2					
IV	2;9.06	train	T	rakévet	rakavót	2	3				1						1	1	1	1	2				
IV	2;9.06	present	T	mataná	matanót	2	3									1		2	2	1	2				
IV	2;9.13	eye	T	áin	eináim	2	2				1						1	1	1	2				3	
IV	2;9.13	puzzle	T	pázel	pázelim	2	2				1						1	2	2	2					
Total frequency Pl. produc/sg. produc.						385	45	0	2	0	7	103	17	4	142	110	7	107	274	258	83	200	140	13	0
Total %frequency Pl. produc/sg. produc.						100.00	11.69	0.00	100.00	0.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	67.01	21.56	51.95	54.47	37.14	0.00
Total frequency no produc/sg. produc.						0	263													127	302	185	117	22	0
Total %frequency no produc/sg. produc.						0.00	68.31													32.99	78.44	48.05	45.53	62.86	0.00
							77															0	0	91	
							20.00															0.00	0.00	100.00	
							0																		
							0.00																		

Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Pl. Produc. Vs. No Pl. Produc./ Sg. Produc.	Number of 6 in the sg.	Stress in the sg.						Stress in the pl.			Stress Shift	Segmental Altern.	Prosodic Altern.	Pl. Suffix					
								Ante-Penult.		Penult.		Final		Ante- Penult. / Pre-Ante Penult.	Penult.	Final				Reg.	Irreg.	-aim			
								Final segment		Final segment		Final segment													
								C		V	C		V										C		V
								t	a.o		t	a.o											t	a.o	

Total frequency no produc/sg. produc.	62	53	2	5	2	9	123	26	6	155	119	21	118	313	299	98	230	181	17	4
Total %frequency no produc/sg. produc.	13.87	11.86	66.67	100.00	100.00	90.00	100.00	100.00	85.71	100.00	100.00	100.00	100.00	100.00	67.19	22.02	51.69	58.96	37.78	100.00
Total frequency Pl. produc/sg. produc.	385	307	1	0	0	1	0	0	1	0	0	0	0	0	146	347	215	126	28	0
Total %frequency Pl. produc/sg. produc.	86.13	68.83	33.33	0.00	0.00	10.00	0.00	0.00	14.29	0.00	0.00	0.00	0.00	0.00	32.81	77.98	48.31	41.04	62.22	0.00
		86																		
		19.24																		
		1																		
		0.22																		

Appendix 8 - Interaction - Segmental altern., Prosodic altern. & Plural suffix

Type of suffix	Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
									Reg.	Irreg.	-aim
-aim	IV	2;06.19	ear	O		oznáim	4				2
	III	2;03.28	wing	O		kansáim	1				2
	freq.1						1	0	0	0	0
	freq.2						0	0	0	0	2
	freq.3						1	0	0	0	0
	freq.4						0	0	0	0	0
	total error						2	0	0	0	0
	total faithful						0	0	0	0	2
	I	1;10.00	sock	O		ale:báim	1	2			2
	II	2;00.16	foot	O		tixláim	1	2			2
	I	1;10.27	eye	O		anáim	1	4			2
	I	1;10.27	eye	O		aynáim	1	4			2
	III	2;03.22	foot	O		agaláim	2	1			2

error sum	2
faithful sum	2

Type of suffix	Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
									Reg.	Irreg.	-aim
	I	1;10.00	foot	O		hayáim	2	2			2
	I	1;10.27	foot	O		agáim	2	2			2
	I	1;11.18	foot	O		gláim	2	2			2
	I	2;00.02	foot	O		maxgláim	2	2			2
	II	2;00.16	cheek	O		xayái:	2	2			2
	II	2;00.16	cheek	O		xayái	2	2			2
	II	2;01.06	foot	O		akáim	2	2			2
	III	2;02.18	sock	O		gabáim	2	2			2
	III	2;02.24	foot	O		hagláim	2	2			2
	III	2;03.14	foot	O		ra:gláim	2	2			2
	IV	2;05.09	foot	O		ragzgláim	2	2			2
	IV	2;05.15	sock	O		garbáim	2	2			2
	IV	2;05.26	sock	O		garbáim	2	2			2
	IV	2;05.26	foot	O		ragláim	2	2			2
	IV	2;05.28	sock	O		garbáim	2	2			2
	IV	2;06.06	sock	O		garbáim	2	2			2
	IV	2;06.29	sock	O	gérev	garbáim	2	2			2
	IV	2;07.19	foot	O		ragláim (repetition)	2	2			2
	IV	2;08.02	foot	O		gagláim	2	2			2
	IV	2;08.02	foot	O		ragláim	2	2			2
	IV	2;09.28	sock	O		garbáim	2	2			2
	IV	2;09.28	foot	O		ragláim	2	2			2
	IV	2;10.03	sock	O		garbáim	2	2			2

Type of suffix	Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
									Reg.	Irreg.	-aim
	I	1;10.00	eye	O		e.́a.əi	2	4			2
	I	1;11.18	tooth	O		ʃináim	2	4			2
	I	1;11.25	eye	O		enaiːm	2	4			2
	II	2;00.09	eye	O		enáim	2	4			2
	II	2;00.16	eye	O		eináim	2	4			2
	II	2;00.16	tooth	O		ʃinaĩ m (repetition)	2	4			2
	II	2;01.06	eye	O		enái	2	4			2
	II	2;01.12	eye	O		enáim	2	4			2
	III	2;02.04	eye	O		eináim	2	4			2
	III	2;02.24	tooth	O		ʃináim	2	4			2
	III	2;03.01	eye	O		eináim	2	4			2
	III	2;03.14	eye	O		eináim	2	4			2
	III	2;03.28	eye	O		eináim	2	4			2
	III	2;04.12	eye	O		eynáim	2	4			2
	IV	2;05.26	eye	O	áin	eynáim	2	4			2
	IV	2;06.12	eye	O	áin	eináim	2	4			2
	IV	2;06.19	eye	O		eináim	2	4			2
	IV	2;08.02	eye	O		eináim	2	4			2
	IV	2;08.19	eye	O		eináim	2	4			2
	IV	2;9.13	eye	O		eináim	2	4			2
	IV	2;09.17	tooth	O	ʃen	sináim	2	4			2

Type of suffix	Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
									Reg.	Irreg.	-aim
	IV	2;09.17	tooth	O		fináim (repetition)	2	4			2
	II	2;01.12	ear	O		odzáim	4	2			2
	II	2;01.12	ear	O		ozláim	4	2			2
	IV	2;08.02	ear	O		oznáim	4	2			2
	IV	2;08.19	ear	O		oznáim	4	2			2
	IV	2;09.28	ear	O		oznáim	4	2			2
	II	2;00.16	pants	O		xisáim	4	3			2
	II	2;01.19	shoe	O	náal (repetition)	nái	4	3			2
	IV	2;05.26	whale	O	livyatán (repetition)	livatáim	4	3			1
	IV	2;06.06	hand	O		dáim	4	3			2
	I	1;09.11	shoe	O		aláim	4	4			2
	I	1;09.19	shoe	O		nalái	4	4			2
	I	1;09.19	shoe	O		naláim	4	4			2
	I	1;10.00	pants	O		a ⁿ táim	4	4			2
	I	1;10.27	shoe	O		yáim	4	4			2
	I	2;00.02	shoe	O		nayái	4	4			2
	I	2;00.02	shoe	O		nayáim	4	4			2
	I	2;00.02	pants	O		maze:sáim	4	4			2
	II	2;00.16	boot	O		pahofaí m (repetition)	4	4			2
	II	2;00.16	hand	O		iðáim	4	4			2

Type of suffix	Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
									Reg.	Irreg.	-aim
	II	2;00.29	shoe	O		naláim	4	4			2
	II	2;01.12	shoe	O		naláim	4	4			2
	II	2;01.19	shoe	O	nál (repetition)	naláim	4	4			2
	III	2;02.24	hand	O		yadáim	4	4			2
	III	2;03.01	shoe	O		naaláim	4	4			2
	III	2;03.14	hand	O		yadáim	4	4			2
	III	2;03.22	shoe	O		àniláim	4	4			2
	III	2;04.05	hand	O		yadáim	4	4			2
	III	2;04.12	hand	O		daydáim	4	4			2
	III	2;04.12	hand	O		yadáim	4	4			2
	III	2;04.19	shoe	O		naaláim	4	4			2
	IV	2;05.15	shoe	O		naaláim	4	4			2
	IV	2;06.06	shoe	O		naaláim	4	4			2
	IV	2;06.06	pants	O		mixnasáim	4	4			2
	IV	2;06.29	hand	O		yadáim	4	4			2
	IV	2;08.02	shoe	O		naaláim	4	4			2
	IV	2;08.02	hand	O		yadáim (repetition)	4	4			2
	IV	2;08.02	hand	O		yadáim	4	4			2
	IV	2;08.19	pants	O		mixnasáim	4	4			2
	IV	2;08.19	hand	O		yadáim	4	4			2
	IV	2;08.19	hand	O		yadáim	4	4			2
	IV	2;9.06	shoe	O		naaláim	4	4			2

Type of suffix	Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
									Reg.	Irreg.	-aim
	IV	2;09.17	pants	O		mixnasáim	4	4			2
	IV	2;09.17	hand	O		yadáim	4	4			2
	IV	2;09.28	shoe	O		naaláim	4	4			2
	IV	2;10.03	shoe	O		naaláim	4	4			2

freq.1	4	1	0	0	1
freq.2	52	36	0	0	99
freq.3	0	4	0	0	0
freq.4	45	60	0	0	0
total error	4	5	0	0	1
total faithful	97	96	0	0	99

error sum	10
faithful sum	292

Reg.	IV	2;05.28	camel	O	gamál	gamalí m		1	2		
freq.1							0	1	0	0	0
freq.2							0	0	1	0	0
freq.3							0	0	0	0	0
freq.4							0	0	0	0	0
total error							0	1	0	0	0
total faithful							0	0	1	0	0

error sum	1
faithful sum	1

Reg.	IV	2;10.03	person	O		ifí m	1	1	2		
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Type of suffix	Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
									Reg.	Irreg.	-aim
	III	2;03.01	girl	O	yaldá	yaldót	1	1	4		
	II	2;00.16	child	O		yotí m (repetition)	1	3	2		
	III	2;02.24	tentacle	O		xuří m	1	3	2		
	III	2;03.28	tentacle	O		maxoří m (repetition)	1	4	2		
	III	2;02.24	book	O		sfarí m (repetition)	2	2	2		
	III	2;03.01	person	O	iř	anaří m	2	2	2		
	IV	2;05.09	dog	O	kélev	klaví m	2	2	2		
	IV	2;05.09	book	O	séfer	sfarí m	2	2	2		
	IV	2;05.26	book	O		sfarí m	2	2	2		
	IV	2;06.12	person	O		anasí m (repetition)	2	2	2		
	IV	2;10.03	kinder garden teacher	O		gananót	2	2	4		
	II	2;00.16	child	O		ya:gtí m	2	3	2		
	II	2;00.16	child	O		ya:tí m	2	3	2		
	III	2;02.24	child	O	yéled	ena.adí m	2	3	2		
	IV	2;10.03	freckle	O		dayří m	2	3	2		
	II	2;00.09	bear	O		dubí m	2	4	2		
	III	2;02.18	bear	O		dubí m	2	4	2		
	III	2;02.24	tentacle	O		mefoří m (repetition)	2	4	2		

Type of suffix	Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
									Reg.	Irreg.	-aim
	III	2;02.24	tentacle	O		mexotʃí m	2	4	2		
	III	2;03.01	part	O		xalakí m (repetition)	2	4	2		
	III	2;03.28	snake	O	naxáf	nexafí m	2	4	2		
	IV	2;05.09	child	O		yeladí m	2	4	2		
	IV	2;05.26	part	O	xélek	xalakí m	2	4	2		
	IV	2;08.19	part	O	xélek	xalakí m	2	4	2		
	IV	2;9.06	part	O	xélek	xalakí m	2	4	2		
	IV	2;09.17	child	O		yeladí m	2	4	2		
	IV	2;09.17	part	O	xélek	xalakí m	2	4	2		
	IV	2;10.03	child	O		yeladí m	2	4	2		
	IV	2;10.03	tentacle	O		mexofí m	2	4	2		
	IV	2;05.09	eye	O		einót	2	4	3		
	IV	2;05.28	spinning-top	O		sevovaní m	3	1	2		
	IV	2;05.28	cake	O	ugá	uguyót	3	1	4		
	IV	2;08.19	auto-mobile	O		toxniót	3	2	4		
	IV	2;05.28	sweater	O		sa:vdí m	3	3	2		
	IV	2;05.26	ball	O		kaurí m	3	4	2		
	II	2;00.26	house	O		baití:	4	1	2		
	III	2;03.28	color	O	céva	cevaí m (repetition)	4	1	2		
	IV	2;05.28	bunny	O		fafaní m	4	1	2		
	IV	2;05.28	bracelet	O	camí d	camidí m	4	1	2		
	IV	2;06.12	bunny	O		fafaní m	4	1	2		

Type of suffix	Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
									Reg.	Irreg.	-aim
	IV	2;06.12	spinning-top	O	sevivón (repetition)	sevivoní m	4	1	2		
	IV	2;06.12	camel	O	gamál	gamalí m	4	1	2		
	IV	2;9.06	thunder	O		barakí m	4	1	2		
	IV	2;09.28	color	O	céva	cevaí m	4	1	2		
	IV	2;10.03	bunny	O	jafán	jafaní m	4	1	2		
	IV	2;09.28	tail	O	zanáv	zanaví m	4	1	3		
	II	2;00.09	candy	O	cuká (repetition)	cukəyót	4	1	4		
	IV	2;05.26	dress	O	simlá	simlót	4	1	4		
	IV	2;09.28	necklace	O		faxserót	4	1	4		
	IV	2;10.03	ant	O		nemalót	4	2	1		
	II	2;01.12	dishware	O		kalí m	4	2	2		
	III	2;02.24	color	O	céva	cvaí m	4	2	2		
	III	2;02.24	dishware	O		kalí m	4	2	2		
	III	2;03.01	dishware	O		kalí m	4	2	2		
	III	2;03.14	color	O		cvaí m	4	2	2		
	III	2;03.14	flower	O		prexí m	4	2	2		
	III	2;04.05	stuff	O		dvarí m	4	2	2		
	III	2;04.19	stuff	O		dvarí m	4	2	2		
	IV	2;05.09	color	O		cvaí m	4	2	2		
	IV	2;05.09	flower	O		praxí m	4	2	2		
	IV	2;05.26	picture	O		tmunót	4	2	2		
	IV	2;07.19	color	O		cvaí m	4	2	2		
	IV	2;08.02	flower	O		praxí m	4	2	2		

Type of suffix	Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
									Reg.	Irreg.	-aim
	IV	2;08.19	flower	O		praxí m	4	2	2		
	IV	2;08.19	apple	O		tapuxí m	4	2	2		
	IV	2;08.19	flower	O		praxí m	4	2	2		
	IV	2;10.03	flower	O		praxi :m	4	2	2		
	IV	2;10.03	flower	O		praxi' m	4	2	2		
	IV	2;10.03	flower	O		praxí m	4	2	2		
	IV	2;10.03	wafer	O		báflim	4	2	2		
	IV	2;10.03	dishware	O		kalí	4	2	2		
	IV	2;06.12	key	O		maftexí m	4	2	3		
	IV	2;10.03	lion	O		arayí m	4	2	3		
	I	1;07.10	block	O	əyá:	bo:t	4	2	4		
	I	1;09.19	block	O		bí ot ^h	4	2	4		
	I	1;10.00	pin	O		θitót	4	2	4		
	I	1;10.00	pin	O		tót	4	2	4		
	I	1;10.00	drop	O		t ^h ipót (repetition)	4	2	4		
	I	1;10.27	block	O		hàbiót	4	2	4		
	I	1;10.27	hair	O		jeót	4	2	4		
	I	1;10.27	sticker	O	abeká	mafekót	4	2	4		
	I	1;11.18	candy	O		sùkayót	4	2	4		
	I	1;11.18	picture	O		tumót	4	2	4		
	I	1;11.25	animal	O		xayót	4	2	4		
	II	2;00.16	picture	O		pudnót	4	2	4		
	II	2;00.16	picture	O		əmnót	4	2	4		

Type of suffix	Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
									Reg.	Irreg.	-aim
	II	2;00.16	candy	O		cùkayót	4	2	4		
	II	2;00.16	candy	O		sùkayót	4	2	4		
	II	2;00.29	picture	O		tunlót	4	2	4		
	II	2;00.29	stair	O		madgót	4	2	4		
	II	2;01.06	sticker	O		balakót	4	2	4		
	II	2;01.06	sticker	O		dabekót	4	2	4		
	II	2;01.12	candy	O		sakoyót	4	2	4		
	II	2;01.12	hair	O		saarót	4	2	4		
	II	2;01.19	doll	O		bubót	4	2	4		
	III	2;02.04	rubber band	O		gumiyót	4	2	4		
	III	2;02.11	animal	O		xayót	4	2	4		
	III	2;03.01	ponytail holder	O		sukoyót	4	2	4		
	III	2;03.01	ponytail holder	O		kukayót	4	2	4		
	III	2;03.01	ponytail holder	O		kukiyót	4	2	4		
	III	2;03.01	doll	O	bubá	bubót	4	2	4		
	III	2;03.14	animal	O		xayót	4	2	4		
	III	2;03.14	sticker	O		babekót	4	2	4		
	III	2;03.14	sticker	O		mabekót	4	2	4		
	III	2;03.22	block	O		kubiyót	4	2	4		
	III	2;03.22	picture	O	tmuná	tmunót	4	2	4		
	III	2;03.22	doll	O		bubót	4	2	4		
	III	2;03.22	pin	O		sikót	4	2	4		
	III	2;03.22	rubber band	O	gumiyá	gumiyót	4	2	4		

Type of suffix	Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
									Reg.	Irreg.	-aim
	III	2;03.28	bubble	O		buót	4	2	4		
	III	2;04.05	candy	O	sukaryá	sùkaryót	4	2	4		
	III	2;04.05	candy	O		sukaryót	4	2	4		
	III	2;04.05	doll	O		bubót	4	2	4		
	III	2;04.05	animal	O		xayót	4	2	4		
	III	2;04.05	giraffe	O	džiráfa	žiráfot	4	2	4		
	III	2;04.12	doll	O	bubá	bubót	4	2	4		
	III	2;04.12	ring	O		tabaót (repetition)	4	2	4		
	III	2;04.12	ponytail holder	O		kokiyót	4	2	4		
	III	2;04.19	candy	O	sukaryá	sukaryót	4	2	4		
	III	2;04.19	block	O		kubiyót	4	2	4		
	IV	2;04.25	zebra	O	zébra	zébroť	4	2	4		
	IV	2;04.25	doll	O		bubót	4	2	4		
	IV	2;04.25	animal	O		xayót	4	2	4		
	IV	2;05.09	cookie	O		ugiyót	4	2	4		
	IV	2;05.09	shirt	O		xulcót	4	2	4		
	IV	2;05.26	tomato	O	gvanyá (repetition)	agvaniyót	4	2	4		
	IV	2;05.26	piece	O		xatixót	4	2	4		
	IV	2;05.28	cheese	O	gviná (repetition)	gvinót	4	2	4		
	IV	2;05.28	zebra	O	zébra	zébroť	4	2	4		

Type of suffix	Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
									Reg.	Irreg.	-aim
	IV	2;05.28	bathhtub	O	abátya	abátyot	4	2	4		
	IV	2;05.28	swing	O	nadnedá (repetition)	nadedót	4	2	4		
	IV	2;05.28	picture	O		tmunót	4	2	4		
	IV	2;05.28	plastic bag	O	saki't (repetition)	sakiót	4	2	4		
	IV	2;05.28	candy	O	sukaryá	sukaryót	4	2	4		
	IV	2;05.28	shirt	O	xulcá (repetition)	xulcót	4	2	4		
	IV	2;05.28	stroller	O	agalá	agalót	4	2	4		
	IV	2;05.28	lamp	O	menorá (repetition)	menorót	4	2	4		
	IV	2;06.06	candy	O		sukaryót	4	2	4		
	IV	2;06.06	block	O		kubiyót	4	2	4		
	IV	2;06.06	stroller	O		agalót	4	2	4		
	IV	2;06.12	tomato	O	agvanyá	agvanyót	4	2	4		
	IV	2;06.12	bed	O	mitá	mitót	4	2	4		
	IV	2;06.12	drop	O		tipót	4	2	4		
	IV	2;06.12	ice cream	O	glidá	glí dot	4	2	4		
	IV	2;06.12	cake	O	ugá	ugót	4	2	4		
	IV	2;06.12	zebra	O	zébra	zébro	4	2	4		
	IV	2;06.12	bathhtub	O	ambátya	abátyot	4	2	4		
	IV	2;06.12	swing	O	nadnedá (repetition)	nadedót	4	2	4		

Type of suffix	Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
									Reg.	Irreg.	-aim
	IV	2;06.12	plastic bag	O	saki't (repetition)	sakiót	4	2	4		
	IV	2;06.12	candy	O	sukaryá	sukaryót	4	2	4		
	IV	2;06.12	stroller	O	agalá	agalót	4	2	4		
	IV	2;06.12	lamp	O	menorá (repetition)	manorót	4	2	4		
	IV	2;06.12	stair	O		magredót	4	2	4		
	IV	2;06.12	stair	O		madregót	4	2	4		
	IV	2;06.19	surprise	O		haftaót	4	2	4		
	IV	2;06.29	picture	O	tmuná	tmunót	4	2	4		
	IV	2;06.29	block	O		kubiyót	4	2	4		
	IV	2;06.29	stair	O		mabegót	4	2	4		
	IV	2;07.19	stair	O		mavregót	4	2	4		
	IV	2;07.19	stair	O		madregót (repetition)	4	2	4		
	IV	2;07.19	shape	O		curót	4	2	4		
	IV	2;08.02	rubber band	O		gumiyót (repetition)	4	2	4		
	IV	2;08.02	block	O		kubiyót	4	2	4		
	IV	2;08.02	picture	O		tmu:nót (repetition)	4	2	4		
	IV	2;08.19	cow	O		parót	4	2	4		
	IV	2;08.19	animal	O		xayót	4	2	4		

Type of suffix	Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
									Reg.	Irreg.	-aim
	IV	2;08.19	block	O		kubiyót	4	2	4		
	IV	2;08.19	umbrella	O	mitriyá	mitriyót	4	2	4		
	IV	2;08.19	auto-mobile	O		maxoniyót	4	2	4		
	IV	2;08.19	ice cream	O		glí dot	4	2	4		
	IV	2;08.19	banana	O		banánot	4	2	4		
	IV	2;08.19	doll	O		bubót (repetition)	4	2	4		
	IV	2;9.06	sticker	O		madbekót	4	2	4		
	IV	2;9.06	drop	O		tipót	4	2	4		
	IV	2;9.06	present	O		matanót	4	2	4		
	IV	2;09.17	stair	O		mavregót	4	2	4		
	IV	2;09.17	feather	O		nosót	4	2	4		
	IV	2;09.28	sticker	O		madbekót	4	2	4		
	IV	2;09.28	dot	O		nekudót	4	2	4		
	IV	2;09.28	sticker	O	madbeká	malbekót	4	2	4		
	IV	2;09.28	pin	O	kiká	tikót	4	2	4		
	IV	2;09.28	pin	O		sikót	4	2	4		
	IV	2;10.03	stair	O		mavregót	4	2	4		
	IV	2;10.03	tear	O		dmaót	4	2	4		
	IV	2;10.03	drop	O		tipót	4	2	4		
	IV	2;10.03	sticker	O		madbekót	4	2	4		
	II	2;00.09	circle	O		kui'm	4	3	2		
	II	2;00.16	star	O		xoví m	4	3	2		
	III	2;03.22	hat	O	kóva	koyí m	4	3	2		

Type of suffix	Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
									Reg.	Irreg.	-aim
	IV	2;06.12	airplane	O	avirón	avorí n	4	3	2		
	I	1;08.27	butterfly	O		papari' m	4	4	2		
	I	1;10.27	circle	O		ugaí m	4	4	2		
	II	2;00.09	circle	O		glukulí m	4	4	2		
	II	2;00.09	circle	O		ʔigkuzí m	4	4	2		
	II	2;00.09	circle	O		ukulim	4	4	2		
	II	2;00.09	circle	O		hikxolí m	4	4	2		
	II	2;00.29	bus	O		ótobusi	4	4	2		
	II	2;01.19	cloud	O	anán	ananí m	4	4	2		
	III	2;01.27	glitter	O		dacací :	4	4	2		
	III	2;01.27	glitter	O		nacací :	4	4	2		
	III	2;01.27	glitter	O		ácacim (repetition)	4	4	2		
	III	2;01.27	butterfly	O		parparí m	4	4	2		
	III	2;01.27	story	O	sipúr	sipurim	4	4	2		
	III	2;02.11	mouse	O	axbár	àxbarí m	4	4	2		
	III	2;02.18	cat	O	xatúl	xatulí m	4	4	2		
	III	2;02.18	painting	O		siyurí m (repetition)	4	4	2		
	III	2;02.24	fish	O		dagí m	4	4	2		
	III	2;02.24	story	O	sipúr	sapurí m	4	4	2		
	III	2;02.24	story	O		siburí m	4	4	2		
	III	2;02.24	story	O		sipurí m	4	4	2		

Type of suffix	Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
									Reg.	Irreg.	-aim
	III	2;03.01	butterfly	O		parperí m	4	4	2		
	III	2;03.01	fish	O		dagí m	4	4	2		
	III	2;03.14	mouse	O		axmarí m	4	4	2		
	III	2;03.14	cloud	O		ananí m	4	4	2		
	III	2;04.05	circle	O		egulí m	4	4	2		
	III	2;04.12	wet wipes	O		magvoní m (repetition)	4	4	2		
	III	2;04.19	star	O		kaxoví m	4	4	2		
	III	2;04.19	sweet	O		mantakí m	4	4	2		
	IV	2;04.25	friend	O		xaverí m	4	4	2		
	IV	2;04.25	cat	O	xatúl	xatolí m	4	4	2		
	IV	2;04.25	number	O		saparí m (repetition)	4	4	2		
	IV	2;05.09	tree	O		ecí m	4	4	2		
	IV	2;05.09	mouse	O		axberí m	4	4	2		
	IV	2;05.09	cloud	O		ananí m	4	4	2		
	IV	2;05.09	branch	O		anaří m	4	4	2		
	IV	2;05.09	cat	O	xatúl	xatulí m	4	4	2		
	IV	2;05.09	popsicle	O		flúkim	4	4	2		
	IV	2;05.09	turtle	O	cav	caví m (repetition)	4	4	2		
	IV	2;05.26	balloon	O	balón	baloní m	4	4	2		

Type of suffix	Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
									Reg.	Irreg.	-aim
	IV	2;05.26	cloud	O		ananí m	4	4	2		
	IV	2;05.26	mouse	O		axbarí m	4	4	2		
	IV	2;05.28	game	O		masxakí m	4	4	2		
	IV	2;05.28	piano	O	psarətén	psartení m	4	4	2		
	IV	2;05.28	fish	O	dag	dagí m	4	4	2		
	IV	2;05.28	mouse	O	axbár (repetition)	axbarí m	4	4	2		
	IV	2;05.28	chewing gum	O	mástik	mástikim	4	4	2		
	IV	2;05.28	cat	O		xatulí m	4	4	2		
	IV	2;06.06	painting	O	ciyúr	ciyurí m	4	4	2		
	IV	2;06.12	balloon	O	balón	baloní m	4	4	2		
	IV	2;06.12	ball	O	kadúr	kadu:rí m	4	4	2		
	IV	2;06.12	cloud	O	anán	ananí m	4	4	2		
	IV	2;06.12	fish	O	dag	dagí m	4	4	2		
	IV	2;06.12	mouse	O	axbár (repetition)	axbarí m	4	4	2		
	IV	2;06.19	bottle	O		bakbukí m	4	4	2		
	IV	2;06.29	duck	O		barvazí m (repetition)	4	4	2		
	IV	2;06.29	cat	O	xatúl	xatulí m	4	4	2		
	IV	2;06.29	tower	O	migdál	migdalí m	4	4	2		
	IV	2;07.19	glitter	O		nácnasim	4	4	2		
	IV	2;08.02	circle	O		igulí m	4	4	2		

Type of suffix	Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
									Reg.	Irreg.	-aim
	IV	2;08.19	under-wear	O		taxtoní m	4	4	2		
	IV	2;08.19	line	O	kav	kaví m	4	4	2		
	IV	2;08.19	cat	O		xatulí m	4	4	2		
	IV	2;08.19	card	O		klaří m	4	4	2		
	IV	2;08.19	fish	O		dagí m	4	4	2		
	IV	2;08.19	ball	O		kadurí m	4	4	2		
	IV	2;08.19	friend	O		xaverí m	4	4	2		
	IV	2;08.19	game	O	misxák	mitxakí m	4	4	2		
	IV	2;9.06	friend	O		xaverí m	4	4	2		
	IV	2;9.06	dwarf	O		gamadí m	4	4	2		
	IV	2;9.06	song	O		serí m	4	4	2		
	IV	2;9.13	puzzle	O		pázelim	4	4	2		
	IV	2;09.17	sweet	O		mamtakí m	4	4	2		
	IV	2;09.17	glitter	O		nátnasim	4	4	2		
	IV	2;09.17	dwarf	O		gámadim	4	4	2		
	IV	2;09.17	dwarf	O		gamadí m	4	4	2		
	IV	2;09.17	game	O	misxák	misxakí m	4	4	2		
	IV	2;09.28	card	O		klaří m	4	4	2		
	IV	2;09.28	cloud	O	anán	ànaní m	4	4	2		
	IV	2;09.28	straw-berry	O	tut	tutí m	4	4	2		
	IV	2;10.03	mouse	O		axbarí m	4	4	2		
	IV	2;10.03	balloon	O		baloní t	4	4	2		

Type of suffix	Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
									Reg.	Irreg.	-aim
	IV	2;10.03	under-wear	O		taxtoní m	4	4	2		
	III	2;04.12	baby	O		tinokí m	4	4	3		
	IV	2;05.09	baby	O		tinokí m	4	4	3		
	IV	2;05.28	window	O		xaloní m	4	4	3		
	IV	2;05.28	baby	O	tinók (repetition)	tinokí m	4	4	3		
	IV	2;06.12	window	O	xalón (repetition)	xaloní m	4	4	3		
	IV	2;06.12	baby	O	tinók	tinokí m	4	4	3		
	IV	2;09.28	window	O		xaloní m	4	4	3		
	II	2;01.19	animal	O		xayót (repetition)	4	4	4		
	IV	2;06.12	rabbit	O	?arnáv	?arnavót	4	4	4		
	IV	2;06.29	drinking glass	O		kosót	4	4	4		
	IV	2;08.19	drinking glass	O		kosót	4	4	4		
freq.1							5	18	1	0	0
freq.2							26	145	148	0	0
freq.3							5	11	11	0	0
freq.4							248	110	124	0	0
total error							10	29	12	0	0
total faithul							274	255	272	0	0

error sum	51
faithful sum	801

Type of suffix	Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
									Reg.	Irreg.	-aim
Irreg.	IV	2;05.28	train	O	rakévet	rakeví m	1	2		3	
	III	2;02.18	sock	O		tabarí m	2	2		1	
	IV	2;06.12	train	O	rakévet	rakaví m	2	2		3	
	I	1;10.00	eye	O		ení m	2	4		1	
	IV	2;05.28	stone	O	éven (repetition)	avaní m	2	4		2	
	IV	2;06.12	stone	O	éven (repetition)	avaní m	2	4		2	
	IV	2;10.03	stone	O		avani' m	2	4		2	
	III	2;02.18	bird	O	cipór	parexí m	3	1		2	
	IV	2;09.28	necklace	O	féret	f'tim	3	1		3	
	IV	2;09.28	necklace	O	farféret (repetition)	fútím	3	1		3	
	III	2;02.24	key	O		pafatxót	4	1		2	
	IV	2;08.02	stick	O	makél	takalót	4	1		4	
	IV	2;08.02	stick	O		makelót	4	1		4	
	II	2;00.29	ant	O	malá	imalí	4	2		2	
	II	2;00.29	ant	O		malí	4	2		2	
	II	2;01.06	fruit	O		pexót	4	2		4	
	II	2;01.06	fruit	O		perót (repetition)	4	2		4	
	II	2;01.06	fruit	O		parót	4	2		4	
	II	2;01.12	rubber band	O		ugiyí m	4	2		3	

Type of suffix	Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
									Reg.	Irreg.	-aim
	II	2;01.19	bee	O		ciborí m	4	2		2	
	II	2;01.19	lion	O	aryé	axayót	4	2		4	
	II	2;01.19	lion	O		arayót (repetition)	4	2		4	
	II	2;01.19	fruit	O		perót (repetition)	4	2		4	
	IV	2;05.09	bee	O		dborí m	4	2		2	
	IV	2;05.28	key	O	maftéyax	maftexót	4	2		4	
	IV	2;06.12	glass	O		suxí m	4	2		3	
	IV	2;06.12	lion	O	arayé	arayót	4	2		4	
	IV	2;06.12	whale	O		livantót	4	3		3	
	I	1;11.25	bird	O	ʃipór	cèporí m	4	4		2	
	II	2;01.19	bird	O		ciporí m	4	4		2	
	III	2;03.22	cat	O	xatúl	katfúlot	4	4		1	
	III	2;04.05	bird	O		siporí m	4	4		2	
	IV	2;05.09	bird	O		ciporí m	4	4		2	
	IV	2;05.09	sound	O		kolót	4	4		4	
	IV	2;05.15	light	O	or	orót	4	4		4	
	IV	2;05.28	candle	O		nerót	4	4		4	
	IV	2;06.06	light	O		orót	4	4		4	
	IV	2;06.12	tower	O	migdál (repetition)	mí gdalót	4	4		3	
	IV	2;06.12	fox	O	ʃuál (repetition)	ʃualót	4	4		1	

Type of suffix	Stage	Age	Gls.	Target/ Output	sg. productions	pl. productions	Segmental Altern.	Prosodic Altern.	Pl. Suffix		
									Reg.	Irreg.	-aim
	IV	2;06.12	dwarf	O	gamád (repetition)	gamadót	4	4		1	
	IV	2;06.29	bird	O		ciporí m	4	4		2	
	IV	2;08.19	baby	O		tinokót	4	4		4	

freq.1

freq.2

freq.3

freq.4

total error

total

faithul

1	6	0	5	0
6	17	0	14	0
3	1	0	8	0
32	18	0	15	0
4	7	0	13	0
38	35	0	29	0

error sum 24

faithful sum 102