

Appendix 3a: Inflectional Morphology: Inter-dialectal comparison of inflectional verbal morphology and verbal object clitics

Note: As Nubi has lost all verbal inflectional morphology as well as pronominal clitics, the identity score for Nubi and each of the other dialects (except possibly Cypriot, which has also lost the pronominal object clitics, see below) is 0. I saw no need to represent this fact in detail. Hence comparison of all dialects, other than Cypriot, with Nubi is simply omitted in the comparative evaluation tables.

data

Table1

| | | CA | Proto-diaAr | Mor | Mlt | Cai | Dms | Skh | Irq | AqArb | Glfc | Ymn | Nig | Cyp | Bux | Nub |
|----------|-----|-----------|-------------|------|------|--------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| pref.con | 1s | ʔa- | (ʔ)a-ʔ | n- | ni- | ʔa- | 0 | a- | a- | a- | a- | ʔa- | ba- | 0 | ma- | ‘ana |
| | 2ms | ta- | tV- | t- | ti- | ti- | tʌ- | ti- | te- | tʌ- | ta- | tu- | tV- | t/tt- | tʌ- | ‘ita |
| | 2fs | ta-ii(na) | tV-i | t-i | ti- | ti-i | tʌ-i | ti-in | te-iin | tʌ-iin | ta-iin | tu-i | tV—i | t/tt—i | tʌ-iin | ‘ita |
| | 3ms | ya- | yV- | y- | yi- | yi- | yʌ- | yi- | ye- | yʌ- | ya- | yu- | bi- | y- | mʌ- | ‘uo |
| | 3fs | ta- | tV- | t- | ti- | ti- | tʌ- | ti- | te- | tʌ- | ta- | tu- | tV- | t/tt- | tʌ- | ‘uo |
| | 1p | na- | nV-ʔ | n-u | ni-u | ne- | nʌ- | ni- | ne | nʌ- | na- | nu- | nV- | n- | nʌ | ‘ina |
| | 2mp | ta-uu(na) | tV-u | t-u | ti-u | ti-u | tʌ-u | ti-uun | te-uun | tʌ-uun | ta-uun | ta-u | tV-u/o | t/tt—u | tʌ-uun | ‘itokum |
| | 2fp | ta-na | tV-an | t-u | ti-u | ti-u | tʌ-u | ti-uun | te-uun | tʌ-uun | ta-an | tu-ayn | tV-an | t/tt—u | tʌ-in | ‘itokum |
| | 3mp | ya-uu(na) | yV-u | y-u | yi-u | yi-u | yʌ-u | yi-uun | ye-uun | yʌ-uun | ya-uun | yu-u | bi-u/o | y--u | mʌ-uun | ‘umon |
| | 3fp | ya-na | yV-an | y-u | yi-u | yi-u | yʌ-u | yi-uun | ye-uun | yʌ-uun | ya-an | yu-ayn | bi—an | y--u | mʌ-in | ‘umon |
| suf.con | 1s | -tu | -t | -t | -t | -t | -t | -t | -t | -tu | -t | -k | -t | -t | -t | ‘ana |
| | 2ms | -ta | -t | -ti | -t | -t | -t | -t | -t | -t | -t | -k | -t | -t | -t | ‘ita |
| | 2fs | -ti | -ti | -ti | -t | -ti | -ti | -ti | -ti | -ti | -ti | -ʃ | -ti | -ti | -tii | ‘ita |
| | 3ms | -a | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -0 | 0 | ‘uo |
| | 3fs | -at | -Vt | -it | -et | -it | -et | -at | -at | -ʌt | -at | -at | -at | -it | -it | ‘uo |
| | 1p | -naa | -na | -na | -na | -na | -na | -na | -na | -na | -na | -na | -na | -na | -naa | ‘ina |
| | 2mp | -tum | -tu | -tu | -tu | -tu | -tu | -tu | -tu | -tʌm | -tu | -kum | -tu | -tu | -tum | ‘itokum |
| | 2fp | -tunna | -tu | -tu | -tu | -tu | -tu | -tu | -tu | -tʌm | -tin | -kun | -tan | -tu | -tin | ‘itokum |
| | 3mp | -uu | -u | -u | -u | -u | -u | -u | -aw | -u | -aw | -u | -o | -u | -un | ‘umon |
| | 3fp | -na | -u | -u | -u | -u | -u | -u | -aw | -u | -an | -an | -an | -u | -in | ‘umon |
| vb.obj. | 1s | -nii | -ni | -ni | -ni | -ni | -ni | -ni | -ni | -ni | -ni | -niy | -ni | ana | -nii | ‘ana |
| | 2ms | -ka | -ak | -k | -ek | -ak | -ak | -ʃ | -ak | -k | -ak | -ak | -ak | int | -ak | ‘ita |
| | 2fs | -ki | -ik | -k | -ek | -ik | -ik | -ʃi | -k | -ki | -iʃ | -iʃ | -ki | inti | -kii | ‘ita |
| | 3ms | -hu | -hu | -h | -h | -u | -h | -u | -u | -hu | -a | -ih | -a | uo | -h | ‘uo |
| | 3fs | -haa | -ha | -ha | -ha | -ha | -ha | -ha | -ha | -ha | -ha | -ha | -ha | ie | -aa | ‘uo |
| | 1p | -naa | -na | -na | -na | -na | -na | -na | -na | -na | -ana | -na | -na | naxni | -naa | ‘ina |
| | 2mp | -kum | -kVm | -kom | -kom | -ku(m) | -kon | -ʃu | -kem | -kʌm | -kum | -kum | -ku | intu | -kum | ‘itokum |
| | 2fp | -kunna | -kVm | -kom | -kom | -ku(m) | -kon | -ʃu | -kem | -kʌm | -kin | -kin | -kan | intu | -kin | ‘itokum |
| | 3mp | -hum | -hVm | -hom | -hom | -hum | -hon | -ham | - | -hʌm | -hum | -hum | -hum | innen | -hum | ‘umon |

| | | | | | | | | | | | | | | | | |
|--|-----|-----------------|-----------------|------|------|------|------|------|------------|-------|------|------|------|-------|------|-------|
| | | | | | | | | | (h)em | | | | | | | |
| | 3fp | -hunna | -hVm | -hom | -hom | -hum | -hon | -ham | - (h)em | -hæm | hin | -hin | -hin | innen | -hin | ‘umon |
| | | Proto- diaAr | CA PDA -2 | Mor | Mlt | Cai | Dms | Skh | Irq | AqArb | Gulf | Ymn | Nig | Cyp | Bux | nubi |

Table 2, inter-dialectal comparison

| | | CA | Proto- diaAr | Mor Mlt | Mor Cai | Mor Dms | Mor Skh- | Mor Irq | Mor AqArb | Mor Glf- | Mor Ymn | Mor Nig. | Mor Cyp | Mor Bux |
|----------|-----|-----------------|-----------------|------------|------------|------------|-------------|------------|--------------|-------------|------------|-------------|---------|------------|
| pref.con | 1s | ?a- | (?)a-? | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2ms | ta- | tV- | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 2fs | ta-ii(na) | tV-i | 0 | 1 | 1 | .75 | 0 | .75 | .75 | 1 | 1 | 1 | .75 |
| | 3ms | ya- | yV- | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 |
| | 3fs | ta- | tV- | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 1p | na- | nV-? | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2mp | ta-uu(na) | tV-u | 1 | 1 | 1 | .75 | .75 | .75 | .75 | 1 | 1 | 1 | .75 |
| | 2fp | ta-na | tV-an | 1 | 1 | 1 | .75 | .75 | .75 | 0 | 0 | 0 | 1 | 0 |
| | 3mp | ya- uu(na) | yV-u | 1 | 1 | 1 | .75 | .75 | .75 | .75 | 1 | .5 | 1 | 0 |
| | 3fp | ya-na | yV-an | 1 | 1 | 1 | .75 | .75 | .75 | 0 | 0 | 0 | 1 | 0 |
| suf.con | 1s | -tu | -t | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 |
| | 2ms | -ta | -t | 0 | 0 | 0 | .5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | 2fs | -ti | -ti | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 |
| | 3ms | -a | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 3fs | -at | -Vt | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 1p | -naa | -na | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 2mp | -tum | -tu | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | .5 |
| | 2fp | -tunna | -tu | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| | 3mp | -uu | -u | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | .5 |
| | 3fp | -na | -u | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| vb.obj. | 1s | -nii | -ni | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| | 2ms | -ka | -ak | 1 | 1 | 1 | 1 | 1 | 1 | 1 | .5 | .5 | 0 | 1 |
| | 2fs | -ki | -ik | 1 | 0 | 0 | 0 | 0 | 0 | 0 | .5 | .5 | 0 | 0 |
| | 3ms | -hu | -hu | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1 |
| | 3fs | -haa | -ha | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| | 1p | -naa | -na | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| | 2mp | -kum | -kVm | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | .5 |
| | 2fp | -kunna | -kVm | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| | 3mp | -hum | -hVm | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 |
| | 3fp | -hunna | -hVm | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Proto- diaAr | CA PDA | 0.9 | 0.87 | 0.73 | 0.81 | 0.8 | 0.68 | 0.64 | 0.57 | 0.58 | 0.57 | 0.53 |

| | | | | | | | | | | | | | | |
|--|--|----|-----------------|------------|------------|------------|-------------|------------|--------------|-------------|------------|-------------|---------|------------|
| | | CA | Proto- diaAr | Mor Mlt | Mor Cai | Mor Dms | Mor Skh- | Mor Irq | Mor AqArb | Mor GlF- | Mor Ymn | Mor Nig. | Mor Cyp | Mor Bux |
|--|--|----|-----------------|------------|------------|------------|-------------|------------|--------------|-------------|------------|-------------|---------|------------|

| | | CA | Proto- diaAr | Mlt Cai | Mlt Dms | Mlt Skh | Mlt Irq | Mlt AqArb | Mlt GlF | Mlt Ymn | Mlt Nig. | Mlt Cyp | Mlt Bux |
|----------|-----|-----------------|-----------------|---------|------------|---------|---------|-----------|------------|------------|-------------|------------|---------|
| pref.con | 1s | ʔa- | (?)a-? | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2ms | ta- | tV- | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 2fs | ta-ii(na) | tV-i | 0 | 0 | 0 | 0 | 0 | .75 | 0 | 0 | 1 | .75 |
| | 3ms | ya- | yV- | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 |
| | 3fs | ta- | tV- | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 1p | na- | nV-? | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 2mp | ta- uu(na) | tV-u | 1 | 1 | .75 | .75 | .75 | .75 | 1 | 1 | 1 | .75 |
| | 2fp | ta-na | tV-an | 1 | 1 | .75 | .75 | .75 | 0 | 0 | 0 | 1 | 0 |
| | 3mp | ya- uu(na) | yV-u | 1 | 1 | .75 | .75 | .75 | .75 | 1 | .5 | 1 | 0 |
| | 3fp | ya-na | yV-an | 1 | 1 | .75 | .75 | .75 | 0 | 0 | 0 | 1 | 0 |
| suf.con | 1s | -tu | -t | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 |
| | 2ms | -ta | -t | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 |
| | 2fs | -ti | -ti | 0 | 0 | .5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3ms | -a | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 3fs | -at | -Vt | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 1p | -naa | -na | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 2mp | -tum | -tu | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | .5 |
| | 2fp | -tunna | -tu | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| | 3mp | -uu | -u | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | .5 |
| | 3fp | -na | -u | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| vb.obj. | 1s | -nii | -ni | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| | 2ms | -ka | -ak | 1 | 1 | 1 | 1 | 1 | 1 | 1 | .5 | 0 | 1 |
| | 2fs | -ki | -ik | 0 | 0 | 0 | 0 | 0 | 0 | 1 | .5 | 0 | 0 |
| | 3ms | -hu | -hu | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1 |
| | 3fs | -haa | -ha | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| | 1p | -naa | -na | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| | 2mp | -kum | -kVm | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | .5 |
| | 2fp | -kunna | -kVm | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| | 3mp | -hum | -hVm | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| | 3fp | -hunna | -hVm | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| | | | | 0.83 | 0.67 | 0.72 | 0.83 | 0.72 | 0.58 | 0.57 | 0.55 | 0.57 | 0.53 |
| | | Proto- diaAr | CA PDA -2 | Mlt Cai | Mlt Dms | Mlt Skh | Mlt Irq | Mlt AqArb | Mlt GlF | Mlt Ymn | Mlt Nig. | Mlt Cyp | Mlt Bux |

| | | | | | | | | | | | | |
|--|--|----|--------|-----|---------|---------|-----------|---------|-----|-----|---------|---------|
| | | CA | Proto- | Cai | Cai Skh | Cai Irq | Cai AqArb | Cai Glf | Cai | Cai | Cai Cyp | Cai Bux |
|--|--|----|--------|-----|---------|---------|-----------|---------|-----|-----|---------|---------|

| | | | diaAr | Dms | | | | | Ymn | Nig. | | |
|----------|-----|-------------|-----------|---------|---------|---------|-----------|---------|---------|----------|---------|---------|
| pref.con | 1s | ?a- | (?)a-? | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| | 2ms | ta- | tV- | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 2fs | ta-ii(na) | tV-i | 1 | .75 | .75 | .75 | .75 | 1 | 1 | 1 | .75 |
| | 3ms | ya- | yV- | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 |
| | 3fs | ta- | tV- | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 1p | na- | nV-? | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 2mp | ta-uu(na) | tV-u | 1 | .75 | .75 | .75 | .75 | 1 | 1 | 1 | .75 |
| | 2fp | ta-na | tV-an | 1 | .75 | .75 | .75 | 0 | 0 | 0 | 1 | 0 |
| | 3mp | ya-uu(na) | yV-u | 1 | .75 | .75 | .75 | .75 | 1 | .5 | 1 | 0 |
| | 3fp | ya-na | yV-an | 1 | .75 | .75 | .75 | 0 | 0 | 0 | 1 | 0 |
| suf.con | 1s | -tu | -t | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 |
| | 2ms | -ta | -t | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 |
| | 2fs | -ti | -ti | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 |
| | 3ms | -a | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 3fs | -at | -Vt | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 1p | -naa | -na | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 2mp | -tum | -tu | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | .5 |
| | 2fp | -tunna | -tu | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 |
| | 3mp | -uu | -u | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | .5 |
| | 3fp | -na | -u | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| vb.obj. | 1s | -nii | -ni | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| | 2ms | -ka | -ak | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| | 2fs | -ki | -ik | 1 | .5 | 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| | 3ms | -hu | -hu | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 |
| | 3fs | -haa | -ha | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| | 1p | -naa | -na | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| | 2mp | -kum | -kVm | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| | 2fp | -kunna | -kVm | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| | 3mp | -hum | -hVm | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| | 3fp | -hunna | -hVm | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| | | | | 0.83 | 0.88 | 0.96 | 0.89 | 0.74 | 0.67 | 0.68 | 0.63 | 0.68 |
| | | Proto-diaAr | CA PDA -2 | Cai Dms | Cai Skh | Cai Irq | Cai AqArb | Cai Glf | Cai Ymn | Cai Nig. | Cai Cyp | Cai Bux |

| | | CA | Proto-diaAr | Dms Skh | Dms Irq | Dms AqArb | Dms Glf | Dms Ymn | Dms Nig | Dms Cyp | Dms Bux |
|----------|-----|-----------|-------------|---------|---------|-----------|---------|---------|---------|---------|---------|
| pref.con | 1s | ?a- | (?)a-? | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | 2ms | ta- | tV- | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 2fs | ta-ii(na) | tV-i | .75 | .75 | .75 | .75 | 1 | 1 | 1 | .75 |

| | | | | | | | | | | | |
|---------|-----|-----------------|-----------|---------|---------|--------------|------------|------------|------------|------------|------------|
| | 3ms | ya- | yV- | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 |
| | 3fs | ta- | tV- | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 1p | na- | nV-? | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 2mp | ta- uu(na) | tV-u | .75 | .75 | .75 | .75 | 1 | 1 | 1 | .75 |
| | 2fp | ta-na | tV-an | .75 | .75 | .75 | 0 | 0 | 0 | 1 | 0 |
| | 3mp | ya- uu(na) | yV-u | .75 | .75 | .75 | .75 | 1 | .5 | 1 | 0 |
| | 3fp | ya-na | yV-an | .75 | .75 | .75 | 0 | 0 | 0 | 1 | 0 |
| suf.con | 1s | -tu | -t | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 |
| | 2ms | -ta | -t | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 |
| | 2fs | -ti | -ti | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 |
| | 3ms | -a | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 3fs | -at | -Vt | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 1p | -naa | -na | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 2mp | -tum | -tu | 1 | 1 | 0 | 1 | 0 | 1 | 1 | .5 |
| | 2fp | -tunna | -tu | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 |
| | 3mp | -uu | -u | 1 | 1 | 1 | 1 | 1 | 1 | 1 | .5 |
| | 3fp | -na | -u | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| vb.obj. | 1s | -nii | -ni | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| | 2ms | -ka | -ak | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| | 2fs | -ki | -ik | .5 | 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| | 3ms | -hu | -hu | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1 |
| | 3fs | -haa | -ha | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| | 1p | -naa | -na | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| | 2mp | -kum | -kVm | 0 | 0 | 1 | 0 | 1 | 1 | 0 | .5 |
| | 2fp | -kunna | -kVm | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| | 3mp | -hum | -hVm | 0 | 0 | 1 | 0 | 1 | 1 | 0 | .5 |
| | 3fp | -hunna | -hVm | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| | | | | 0.74 | 0.79 | 0.85 | 0.71 | 0.63 | 0.68 | 0.67 | 0.65 |
| | | Proto- diaAr | CA PDA | Dms Skh | Dms Irq | Dms AqArb | Dms GlF | Dms Ymn | Dms Nig | Dms Cyp | Dms Bux |

| | | CA | Proto- diaAr | Skh- Irq | Skh- AqAr | Skh- GlF | Skh- Ymn | Skh- Nig | Skh- Cyp | Skh Bux |
|----------|-----|---------------|-----------------|-------------|--------------|-------------|-------------|-------------|-------------|------------|
| pref.con | 1s | ʔa- | (ʔ)a-? | 1 | 1 | 1 | 1 | .5 | 0 | 0 |
| | 2ms | ta- | tV- | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 2fs | ta-ii(na) | tV-i | 1 | 1 | 1 | .75 | .75 | .75 | 1 |
| | 3ms | ya- | yV- | 1 | 1 | 1 | 1 | .5 | 1 | 0 |
| | 3fs | ta- | tV- | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 1p | na- | nV-? | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 2mp | ta- uu(na) | tV-u | 1 | 1 | 1 | .75 | .75 | .75 | 1 |
| | 2fp | ta-na | tV-an | 1 | 1 | 0 | 0 | 0 | .75 | 0 |

| | | | | | | | | | | |
|---------|-----|-----------------|-----------------|-------------|--------------|---------|-------------|---------|-------------|------------|
| | 3mp | ya- uu(na) | yV-u | 1 | 1 | 1 | .75 | .5 | .75 | .5 |
| | 3fp | ya-na | yV-an | 1 | 1 | 0 | 0 | 0 | .75 | 0 |
| suf.con | 1s | -tu | -t | 1 | 0 | 1 | 0 | 1 | 1 | 1 |
| | 2ms | -ta | -t | 1 | 1 | 1 | 0 | 1 | 1 | 1 |
| | 2fs | -ti | -ti | 1 | 1 | 1 | 0 | 1 | 1 | 1 |
| | 3ms | -a | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 3fs | -at | -Vt | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 1p | -naa | -na | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 2mp | -tum | -tu | 1 | 0 | 1 | 0 | 1 | 1 | .5 |
| | 2fp | -tunna | -tu | 1 | 0 | 0 | 0 | 0 | 1 | 1 |
| | 3mp | -uu | -u | 1 | 1 | 1 | 1 | 1 | 1 | .5 |
| | 3fp | -na | -u | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| vb.obj. | 1s | -nii | -ni | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 2ms | -ka | -ak | 1 | 1 | .5 | .5 | .5 | .5 | 1 |
| | 2fs | -ki | -ik | .5 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 3ms | -hu | -hu | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| | 3fs | -haa | -ha | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 1p | -naa | -na | 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| | 2mp | -kum | -kVm | 0 | 0 | 0 | 0 | 1 | 0 | .5 |
| | 2fp | -kunna | -kVm | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3mp | -hum | -hVm | 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| | 3fp | -hunna | -hVm | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| | | | | 0.88 | 0.83 | 0.72 | 0.56 | 0.68 | 0.71 | 0.7 |
| | | Proto- diaAr | CA PDA -2 | Skh- Irq | Skh- AqAr | Skh-Glf | Skh- Ymn | Skh-Nig | Skh- Cyp | Skh Bux |

| | | | | | | | | | |
|----------|-----|---------------|-----------------|-----------|---------|------------|---------|---------|---------|
| | | CA | Proto- diaAr | Irq AqArb | Irq Glf | Irq Ymn | Irq Nig | Irq Cyp | Irq Bux |
| pref.con | 1s | ?a- | (?)a-? | | 1 | 1 | 0 | 1 | 0 |
| | 2ms | ta- | tV- | 1 | 1 | 1 | 1 | 1 | 1 |
| | 2fs | ta-ii(na) | tV-i | 1 | 1 | .75 | .75 | 1 | 1 |
| | 3ms | ya- | yV- | 1 | 1 | 1 | 0 | 1 | 0 |
| | 3fs | ta- | tV- | 1 | 1 | 1 | 1 | 1 | 1 |
| | 1p | na- | nV-? | 1 | 1 | 1 | 1 | 1 | 1 |
| | 2mp | ta- uu(na) | tV-u | 1 | 1 | .75 | .75 | .75 | 1 |
| | 2fp | ta-na | tV-an | 1 | 0 | 0 | 0 | .75 | 0 |
| | 3mp | ya- uu(na) | yV-u | 1 | 1 | .75 | .25 | .75 | .5 |
| | 3fp | ya-na | yV-an | 1 | 0 | 0 | 0 | .75 | 0 |
| suf.con | 1s | -tu | -t | 1 | 1 | 0 | 1 | 1 | 1 |
| | 2ms | -ta | -t | 0 | 1 | 0 | 1 | 1 | 1 |
| | 2fs | -ti | -ti | 1 | 1 | 0 | 1 | 1 | 1 |

| | | | | | | | | | |
|---------|-----|-------------|------|-----------|---------|---------|---------|---------|---------|
| | 3ms | -a | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 3fs | -at | -Vt | 1 | 1 | 1 | 1 | 1 | 1 |
| | 1p | -naa | -na | 1 | 1 | 1 | 1 | 1 | 1 |
| | 2mp | -tum | -tu | 1 | 1 | 0 | 1 | 1 | .5 |
| | 2fp | -tunna | -tu | 0 | 0 | 0 | 0 | 1 | 1 |
| | 3mp | -uu | -u | 0 | 1 | 1 | 1 | 1 | .5 |
| | 3fp | -na | -u | 1 | 0 | 0 | 0 | 1 | 0 |
| vb.obj. | 1s | -nii | -ni | 1 | 1 | 1 | 1 | 0 | 1 |
| | 2ms | -ka | -ak | 1 | 1 | 1 | 1 | 0 | 1 |
| | 2fs | -ki | -ik | 1 | 1 | 1 | 1 | 0 | 1 |
| | 3ms | -hu | -hu | 1 | 0 | 1 | 0 | 0 | 1 |
| | 3fs | -haa | -ha | 1 | 1 | 1 | 1 | 0 | 1 |
| | 1p | -naa | -na | 1 | 1 | 1 | 1 | 0 | 1 |
| | 2mp | -kum | -kVm | 1 | 1 | 1 | 1 | 0 | 1 |
| | 2fp | -kunna | -kVm | 1 | 0 | 0 | 0 | 0 | 0 |
| | 3mp | -hum | -hVm | 1 | 1 | 1 | 1 | 0 | 1 |
| | 3fp | -hunna | -hVm | 1 | 0 | 0 | 0 | 0 | 0 |
| | | | | 0.87 | 0.77 | 0.64 | 0.66 | 0.63 | 0.72 |
| | | Proto-diaAr | CA | Irq AqArb | Irq Glf | Irq Ymn | Irq Nig | Irq Cyp | Irq Bux |

| | | CA | Proto-diaAr | AqArb Glf | AqArb Ymn | AqArb Nig | AqArb Cyp | AqArb Bux |
|----------|-----|-----------|-------------|-----------|-----------|-----------|-----------|-----------|
| pref.con | 1s | ?a- | (?)a-? | | | | | 0 |
| | 2ms | ta- | tV- | 1 | 1 | 0 | 0 | 1 |
| | 2fs | ta-ii(na) | tV-i | 1 | 1 | 1 | 1 | 1 |
| | 3ms | ya- | yV- | 1 | .75 | .75 | .75 | 0 |
| | 3fs | ta- | tV- | 1 | 1 | 0 | 1 | 1 |
| | 1p | na- | nV-? | 1 | 1 | 1 | 1 | 1 |
| | 2mp | ta-uu(na) | tV-u | 1 | 1 | 1 | 1 | 1 |
| | 2fp | ta-na | tV-an | 1 | .75 | .75 | .75 | 0 |
| | 3mp | ya-uu(na) | yV-u | 0 | 0 | 0 | .75 | .5 |
| | 3fp | ya-na | yV-an | 1 | .75 | 0 | .75 | 0 |
| suf.con | 1s | -tu | -t | 0 | 0 | 0 | .75 | 0 |
| | 2ms | -ta | -t | 0 | 0 | 0 | 0 | 1 |
| | 2fs | -ti | -ti | 1 | 0 | 1 | 1 | 1 |
| | 3ms | -a | 0 | 1 | 1 | 1 | 1 | 1 |
| | 3fs | -at | -Vt | 1 | 1 | 1 | 1 | 1 |
| | 1p | -naa | -na | 1 | 1 | 1 | 1 | 1 |
| | 2mp | -tum | -tu | 1 | 1 | 1 | 1 | 1 |
| | 2fp | -tunna | -tu | 0 | 0 | 0 | 0 | 0 |
| | 3mp | -uu | -u | 0 | 0 | 0 | 0 | .5 |
| | 3fp | -na | -u | 1 | 1 | 1 | 1 | 0 |
| vb.obj. | 1s | -nii | -ni | 0 | 0 | 0 | 1 | 1 |
| | 2ms | -ka | -ak | 1 | 1 | 1 | 0 | 1 |

| | | | | | | | | |
|--|-----|-------------|------|-----------|-----------|-----------|-----------|-----------|
| | 2fs | -ki | -ik | 1 | 1 | 1 | 0 | 1 |
| | 3ms | -hu | -hu | 1 | 1 | 1 | 0 | 1 |
| | 3fs | -haa | -ha | 0 | 1 | 0 | 0 | 1 |
| | 1p | -naa | -na | 1 | 1 | 1 | 0 | 1 |
| | 2mp | -kum | -kVm | 1 | 1 | 1 | 0 | 1 |
| | 2fp | -kunna | -kVm | 1 | 1 | 1 | 0 | 0 |
| | 3mp | -hum | -hVm | 0 | 0 | 0 | 0 | 1 |
| | 3fp | -hunna | -hVm | 0 | 1 | 1 | 0 | 0 |
| | | | | 0 | 0 | 0 | 0 | 0.67 |
| | | Proto-diaAr | CA | 0.69 | 0.7 | 0.6 | 0.49 | 0 |
| | | | | AqArb Glf | AqArb Ymn | AqArb Nig | AqArb Cyp | Bux AqArb |

| | | CA | ProtodiaAr | Glf Ymn | Glf Nig | Glf Cyp | Glf Bux | Ymn Nig | Ymn Bux | YmnCyp |
|----------|-----|-----------|------------|---------|---------|---------|---------|---------|---------|--------|
| pref.con | 1s | ?a- | (?)a-? | 1 | 0 | 0 | 0 | 0 | 0 | |
| | 2ms | ta- | tV- | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 2fs | ta-ii(na) | tV-i | .75 | .75 | 1 | 1 | 1 | .75 | |
| | 3ms | ya- | yV- | 1 | 0 | 1 | 0 | 0 | 0 | |
| | 3fs | ta- | tV- | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 1p | na- | nV-? | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 2mp | ta-uu(na) | tV-u | .75 | .75 | .75 | 1 | 1 | .75 | |
| | 2fp | ta-na | tV-an | 1 | 1 | 0 | 1 | 1 | 1 | |
| | 3mp | ya-uu(na) | yV-u | .75 | 0 | .75 | .5 | .5 | 0 | |
| | 3fp | ya-na | yV-an | 1 | .5 | 0 | .5 | .5 | .5 | |
| suf.con | 1s | -tu | -t | 0 | 1 | 1 | 1 | 0 | 0 | |
| | 2ms | -ta | -t | 0 | 1 | 1 | 1 | 0 | 0 | |
| | 2fs | -ti | -ti | 0 | 1 | 1 | 1 | 0 | 0 | |
| | 3ms | -a | 0 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 3fs | -at | -Vt | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 1p | -naa | -na | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 2mp | -tum | -tu | 0 | 1 | 1 | .5 | 0 | .5 | |
| | 2fp | -tunna | -tu | 0 | 1 | 0 | 1 | 0 | .5 | |
| | 3mp | -uu | -u | 1 | 1 | 1 | .5 | 1 | .5 | |
| | 3fp | -na | -u | 1 | 1 | 0 | 1 | 1 | 1 | |
| vb.obj. | 1s | -nii | -ni | 1 | 1 | 0 | 1 | 1 | 1 | |
| | 2ms | -ka | -ak | 1 | 1 | 0 | 1 | 1 | 1 | |
| | 2fs | -ki | -ik | 1 | .5 | 0 | 1 | 1 | 1 | |
| | 3ms | -hu | -hu | 0 | 1 | 0 | 1 | 0 | 1 | |
| | 3fs | -haa | -ha | 1 | 1 | 0 | 1 | 1 | 1 | |
| | 1p | -naa | -na | 1 | 1 | 0 | 1 | 1 | 1 | |

| | | | | | | | | | | |
|--|-----|-------------|------|---------|---------|----------|---------|---------|---------|---------|
| | 2mp | -kum | -kVm | 1 | 1 | 0 | 1 | 1 | 1 | |
| | 2fp | -kunna | -kVm | 1 | .5 | 0 | 1 | 1 | 1 | |
| | 3mp | -hum | -hVm | 1 | 1 | 0 | 1 | 1 | 1 | |
| | 3fp | -hunna | -hVm | 1 | 1 | 0 | 1 | 1 | 1 | |
| | | | | 0.78 | 0.83 | 0.48 | 0.87 | 0.7 | 0.72 | |
| | | Proto-diaAr | CA | 1.2 | 1.29 | Cyp Gulf | Bux Glf | | Bux Ymn | |
| | | | | Glf Ymn | Glf Nig | Gulf Cyp | Glf Bux | Ymn Nig | Ymn Bux | Ymn Cyp |

| | | CA | Proto diaAr | Nig Cyp | Nig Bux | Cyp Bux | Cyp Nubi |
|----------|-----|-------------|-------------|---------|---------|---------|----------|
| pref.con | 1s | ?a- | (?)a-? | 0 | 0 | 0 | 0 |
| | 2ms | ta- | tV- | 1 | 1 | 1 | 0 |
| | 2fs | ta-ii(na) | tV-i | 1 | .75 | .75 | 0 |
| | 3ms | ya- | yV- | 1 | 0 | 0 | 0 |
| | 3fs | ta- | tV- | 1 | 1 | 1 | 0 |
| | 1p | na- | nV-? | 1 | 1 | 1 | 0 |
| | 2mp | ta-uu(na) | tV-u | 1 | .75 | .75 | 0 |
| | 2fp | ta-na | tV-an | 1 | 1 | 0 | 0 |
| | 3mp | ya-uu(na) | yV-u | .5 | 0 | 0 | 0 |
| | 3fp | ya-na | yV-an | 0 | 0 | 0 | 0 |
| suf.con | 1s | -tu | -t | 1 | 1 | 1 | 0 |
| | 2ms | -ta | -t | 1 | 1 | 1 | 0 |
| | 2fs | -ti | -ti | 1 | 1 | 1 | 0 |
| | 3ms | -a | 0 | 1 | 1 | 1 | 0 |
| | 3fs | -at | -Vt | 1 | 1 | 1 | 0 |
| | 1p | -naa | -na | 1 | 1 | 1 | 0 |
| | 2mp | -tum | -tu | 1 | .5 | .5 | 0 |
| | 2fp | -tunna | -tu | 0 | 1 | 0 | 0 |
| | 3mp | -uu | -u | 1 | .5 | .5 | 0 |
| | 3fp | -na | -u | 0 | 1 | 0 | 0 |
| vb.obj. | 1s | -nii | -ni | 0 | 1 | 0 | 1 |
| | 2ms | -ka | -ak | 0 | 1 | 0 | 1 |
| | 2fs | -ki | -ik | 0 | 1 | 0 | 0 |
| | 3ms | -hu | -hu | 0 | 0 | 0 | 1 |
| | 3fs | -haa | -ha | 0 | 1 | 0 | 0 |
| | 1p | -naa | -na | 0 | 1 | 0 | 0 |
| | 2mp | -kum | -kVm | 0 | .5 | 0 | 0 |
| | 2fp | -kunna | -kVm | 0 | 1 | 0 | 0 |
| | 3mp | -hum | -hVm | 0 | 1 | 0 | 0 |
| | 3fp | -hunna | -hVm | 0 | 1 | 0 | 0 |
| | | | | 0.52 | 0.77 | 0.38 | 0.1 |
| | | Proto-diaAr | CA | Nig Cyp | Nig Bux | Cyp Bux | Cyp Nubi |

Note on Cyp-Nubi: While Cypriot has retained the verb-subject markers, like Nubi it has lost the verbal object clitics, replacing them with free standing pronouns. The form of these pronouns are not identical in the two varieties, having been shaped by different analogical processes. Nonetheless where the forms are similar this has been marked as an identity (score 1). As there are three such identities, the shared rate for Cyp-Nub is 10% (0.1).