## No Sound Change Tok Freq T

Tyler Lau
July 18, 2016

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[1] "Trial 1 : Nom Sg"
   Gender
X10 f m n
 - 82 84 50
 a 86 2 0
 e 7 1 0
 u 1 54 89
 us 2 40 2
[1] "Trial 1 : Acc Sg"
   Gender
X10 f m n
 am 7 2 0
 em 89 85 15
 m 0 0 35
 u 2 40 2
 um 1 54 89
[1] "Trial 1 : Gen Sg"
   Gender
X10 f m
            n
 as 86 2
 is 90 139 139
 us 2 40 2
[1] "Trial 1 : Dat Sg"
   Gender
X10
     f
     0 25
    0
       2
            0
 a
     0 3
 i 18 133 139
 is 74 6 0
 s 0 12 0
[1] "Trial 1 : Abl Sg"
   Gender
X10 f m n
 ao 0 2 0
 e 2 84 50
 eo 0 1 0
 ō 0 54 89
 us 0 40 2
[1] "Trial 1 : Nom Pl"
   Gender
X10
    f m n
 as 86 2 0
 es 0 0 17
 is 89 85 33
 us 3 94 91
[1] "Trial 1 : Acc Pl"
   Gender
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\tt X10 f m n
 as 86 2 0
 es 0 84 50
 is 90 1 0
 s 0 54 89
 us 2 40 2
[1] "Trial 1 : Gen Pl"
   Gender
{\tt X10} \quad {\tt f} \quad {\tt m} \quad {\tt n}
 as 86 2 0
 is 92 179 141
[1] "Trial 1 : Dat Pl"
   Gender
X10 f m n
 as 86 2 0
 is 92 179 141
[1] "Trial 1 : Abl Pl"
  Gender
X10 f m n
 as 86 2 0
 is 92 139 139
 s 0 40 2
[1] "Trial 2 : Nom Sg"
   Gender
X10 f m n
 - 89 85 50
 a 86 2 0
 u 3 94 2
 um 0 0 89
[1] "Trial 2 : Acc Sg"
   Gender
X10 f m n
 - 0 0 50
 a 86 2 0
 e 89 85 0
 u 3 94 2
 um 0 0 89
[1] "Trial 2 : Gen Sg"
  Gender
X10 f m n
 a 86 2 0
 i 92 179 141
[1] "Trial 2 : Dat Sg"
  Gender
X10 f m n
 a 86 2 0
 i 92 179 141
[1] "Trial 2 : Abl Sg"
  Gender
X10 f m n
 - 3 0 50
 a 86 2 0
 e 89 85 0
 ō 0 94 91
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[1] "Trial 2 : Nom Pl"
  Gender
X10 f m n
 - 92 179 141
 a 86 2 0
[1] "Trial 2 : Acc Pl"
  Gender
X10 f m n
- 3 94 141
 a 86 2 0
 e 89 85 0
[1] "Trial 2 : Gen Pl"
  Gender
X10 f m n
 a 86 2 0
 i 92 179 141
[1] "Trial 2 : Dat Pl"
  Gender
X10 f m n
 a 86 2 0
 i 92 179 141
[1] "Trial 2 : Abl Pl"
  Gender
X10 f m n
- 3 94 141
 a 86 2 0
 e 89 85 0
[1] "Trial 3 : Nom Sg"
  Gender
X10 f m n
 - 89 85 50
 a 86 2 0
 um 3 94 91
[1] "Trial 3 : Acc Sg"
  Gender
X10 f m n
 am 86 2 0
 em 89 85 0
 m 0 0 50
 um 3 94 91
[1] "Trial 3 : Gen Sg"
  Gender
\tt X10 f m n
 is 86 1 0
 īs 92 180 141
[1] "Trial 3 : Dat Sg"
  Gender
X10 f m n
 - 92 179 141
 a 86 2 0
[1] "Trial 3 : Abl Sg"
  Gender
X10 f m n
```

- 0 0 50

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a 86 2 0
 e 89 85 0
 ō 3 94 91
[1] "Trial 3 : Nom Pl"
  Gender
X10 f m n
 as 86 2 0
 s 92 179 141
[1] "Trial 3 : Acc Pl"
  Gender
X10 f m n
 as 86 2 0
 es 89 85 0
 s 3 94 141
[1] "Trial 3 : Gen Pl"
 f m n
178 181 141
[1] "Trial 3 : Dat Pl"
  Gender
X10 f m n
 as 86 2 0
s 92 179 141
[1] "Trial 3 : Abl Pl"
  Gender
X10 f m n
 as 86 2 0
 es 89 85 0
 s 3 94 141
[1] "Trial 4 : Nom Sg"
   Gender
X10 f m n
 - 82 84 50
 a 86 2 0
 es 7 1 0
 um 3 94 91
[1] "Trial 4 : Acc Sg"
  Gender
X10 f m n
 am 86 2 0
 ē 7 1 0
 em 82 84 50
 um 3 94 91
[1] "Trial 4 : Gen Sg"
   Gender
X10 f m n
 as 86 2 0
 is 89 85 50
 s 3 94 91
[1] "Trial 4 : Dat Sg"
  Gender
X10 f m n
 a 86 2 0
 e 82 84 50
```

is  $7 \ 1 \ 0$ 

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s 3 94 91
[1] "Trial 4 : Abl Sg"
  Gender
X10 f m n
 a 86 2 0
 e 82 84 50
 is 7 1 0
 ōs 3 94 91
[1] "Trial 4 : Nom Pl"
    Gender
X10 f m n
 aes 86 2 0
 es 92 179 141
[1] "Trial 4 : Acc Pl"
    Gender
X10 f m n
 aes 86 2 0
 es 10 95 92
 ēs 82 84 49
[1] "Trial 4 : Gen Pl"
  Gender
X10 f m n
 as 86 2 0
 is 92 179 141
[1] "Trial 4 : Dat Pl"
  Gender
X10 f m n
 as 86 2 0
 is 92 179 141
[1] "Trial 4 : Abl Pl"
   Gender
X10 f m n
 as 86 2 0
 is 92 179 141
[1] "Trial 5 : Nom Sg"
  Gender
X10 f m n
 - 89 85 50
 a 86 2 0
 u 3 79 2
 um 0 15 89
[1] "Trial 5 : Acc Sg"
  Gender
X10 f m n
 am 86 2 0
 em 89 85 0
 m 0 0 50
 u 2 40 0
 um 1 54 91
[1] "Trial 5 : Gen Sg"
  Gender
X10 f m n
 - 2 2 0
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as 86 2 0

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īs 90 139 139
 u 0 38 2
[1] "Trial 5 : Dat Sg"
  Gender
X10 f m n
as 86 2 0
īs 90 139 139
 u 2 40 2
[1] "Trial 5 : Abl Sg"
  Gender
X10 f m n
 - 0 0 30
 a 86 2 0
 e 89 85 20
ō 3 94 91
[1] "Trial 5 : Nom Pl"
  Gender
X10 f m n
 - 2402
 as 86 2 68
 īs 89 85 0
 s 1 54 71
[1] "Trial 5 : Acc Pl"
   Gender
X10 f m n
 - 2402
as 86 2 139
 eis 89 85 0
 s 1 54 0
[1] "Trial 5 : Gen Pl"
   Gender
X10 f m n
 asu 86 2 0
 iu 92 179 2
 u 0 0 139
[1] "Trial 5 : Dat Pl"
  Gender
X10 f m n
 asu 86 2 0
 iu 92 179 2
u 0 0 139
[1] "Trial 5 : Abl Pl"
  Gender
X10 f m n
 - 2 41 47
 a 34 1 0
 as 52 1 0
 i 153 0
 iu 83 84 0
 īu 5 1 0
 u 0 0 94
[1] "Trial 6 : Nom Sg"
  Gender
X10 f m n
```

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- 89 85 50
 a 86 2 0
 u 3 94 91
[1] "Trial 6 : Acc Sg"
  Gender
X10 f m n
 am 86 2 0
 em 89 85 0
 m \quad 0 \quad 0 \quad 50
 um 3 94 91
[1] "Trial 6 : Gen Sg"
  Gender
X10 f m n
 as 86 2 0
 s 92 179 141
[1] "Trial 6 : Dat Sg"
  Gender
X10 f m
         n
 a 86 2 0
 e 89 85 0
 s 3 94 141
[1] "Trial 6 : Abl Sg"
  Gender
X10 f m n
 - 0 0 50
 a 86 2 0
 e 89 85 0
 ō 3 94 91
[1] "Trial 6 : Nom Pl"
   Gender
X10 f m n
 as 86 2 0
 s 92 179 141
[1] "Trial 6 : Acc Pl"
  Gender
X10 f m n
 as 86 2
s 92 179 141
[1] "Trial 6 : Gen Pl"
  Gender
X10 f m n
 as 86 2 0
 s 92 179 141
[1] "Trial 6 : Dat Pl"
   Gender
X10 f m n
 as 86 2 0
 s 92 179 141
[1] "Trial 6 : Abl Pl"
  Gender
X10 f m n
as 86 2 0
 s 92 179 141
[1] "Trial 7 : Nom Sg"
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Gender
X10 f m n
 - 0 0 50
 a 86 2 0
 is 89 85 0
 u 3 94 91
[1] "Trial 7 : Acc Sg"
   Gender
X10 f m n
 am 86 2 0
 em 89 85 0
 m 0 0 50
 u 1 54 91
 um 2 40 0
[1] "Trial 7 : Gen Sg"
   Gender
X10 f m n
 a 86 2 0
 i 9 1 50
 ī 1 94 91
 is 82 84 0
[1] "Trial 7 : Dat Sg"
  Gender
X10 f m n
 a 86 2 0
 i 90 85 50
 ī 2 94 91
[1] "Trial 7 : Abl Sg"
  Gender
X10 f m n
 - 0 0 50
 a 86 2 0
 e 89 85 0
 ō 3 94 91
[1] "Trial 7 : Nom Pl"
  Gender
X10 f m n
 - 3 94 141
 a 86 2 0
 is 89 85 0
[1] "Trial 7 : Acc Pl"
  Gender
{\tt X10} \qquad {\tt f} \quad {\tt m} \qquad {\tt n}
 - 3 94 141
 a 86 2 0
 es 5 1 0
 ēs 82 84 0
[1] "Trial 7 : Gen Pl"
  Gender
X10 f m n
 a 86 2 0
 i 91 179 141
[1] "Trial 7 : Dat Pl"
  Gender
```

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{\tt X10} \quad {\tt f} \quad {\tt m} \quad {\tt n}
 a 86 2 0
 i 92 179 141
[1] "Trial 7 : Abl Pl"
   Gender
X10 f m
 - 3 94 141
 a 86 2 0
 e 20 2 0
 es 63 82 0
 i 6 1 0
[1] "Trial 8 : Nom Sg"
   Gender
X10 f m n
 - 82 84 50
 a 86 2 0
 e 7 1 0
 u 1 54 89
 us 2 40 2
[1] "Trial 8 : Acc Sg"
   Gender
X10 f m n
 am 86 2 0
 em 89 85 50
 u 2 40 2
 um 1 54 89
[1] "Trial 8 : Gen Sg"
   Gender
X10 f m
 as 86 2 0
 i 90 139 139
 us 2 40 2
[1] "Trial 8 : Dat Sg"
   Gender
X10 f m n
 as 86 2 0
 i 90 139 139
 us 2 40 2
[1] "Trial 8 : Abl Sg"
   Gender
X10 f m n
 a 86 2 0
 e 89 85 50
 o 1 54 89
 us 2 40 2
[1] "Trial 8 : Nom Pl"
   Gender
X10 f m n
 as 86 2 50
 e 0 85 0
 es 90 54 0
 s 0 0 89
 us 2 40 2
[1] "Trial 8 : Acc Pl"
```

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Gender
X10 f m n
 as 86 2 139
 e 1 139 0
 us 2 40 2
[1] "Trial 8 : Gen Pl"
  Gender
X10 f m n
 as 86 2 0
 i 92 179 141
[1] "Trial 8 : Dat Pl"
  Gender
X10 f m n
 as 86 2 0
 i 86 179 141
[1] "Trial 8 : Abl Pl"
   Gender
X10 f m n
 as 86 2 0
 e 90 139 0
 es 0 0 139
 us 2 40 2
[1] "Trial 9 : Nom Sg"
   Gender
X10 f m n
 - 89 85 50
a 86 2 0
 um 3 94 91
[1] "Trial 9 : Acc Sg"
   Gender
X10 f m n
 am 86 2 0
 em 89 85 50
 um 3 94 91
[1] "Trial 9 : Gen Sg"
  Gender
X10 f m n
 a 86 2 0
 i 1 54 89
 is 89 85 50
 um 2 40 2
[1] "Trial 9 : Dat Sg"
  Gender
X10 f m n
 a 86 2 0
 i 0 0 1
 is 89 85 49
 um 3 94 91
[1] "Trial 9 : Abl Sg"
  Gender
X10 f m n
 a 86 2 0
 e 89 85 50
```

ō 3 94 91

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[1] "Trial 9 : Nom Pl"
   Gender
X10 f m n
 a 86 2 0
 i 2 40 2
 is 90 139 139
[1] "Trial 9 : Acc Pl"
   Gender
X10 f m n
 a 86 2 0
 i 1 54 89
 is 89 85 50
 um 2 40 2
[1] "Trial 9 : Gen Pl"
    Gender
X10 f m n
 amu 86 2 0
 mu 92 179 141
[1] "Trial 9 : Dat Pl"
   Gender
X10 f m n
 amu 86 2 0
 mu 92 179 141
[1] "Trial 9 : Abl Pl"
   Gender
X10 f m n
 a 86 2 0
 i 0 40 2
 is 92 139 139
[1] "Trial 10 : Nom Sg"
   Gender
{\tt X10} \quad {\tt f} \quad {\tt m} \quad {\tt n}
 - 83 85 50
 am 86 2 0
 u 2 40 2
 um 1 54 89
[1] "Trial 10 : Acc Sg"
   Gender
X10 f m n
 - 0 0 50
 am 86 2 0
 e 89 85 0
 u 2 1 2
 um 1 93 89
[1] "Trial 10 : Gen Sg"
  Gender
X10 f m n
 a 86 2 0
 i 92 179 141
[1] "Trial 10 : Dat Sg"
  Gender
X10 f m n
 a 86 2 0
 i 88 179 141
```

```
[1] "Trial 10 : Abl Sg"
  Gender
X10 f m n
 - 0 0 22
 a 86 2 0
 e 82 84 28
i 7 1 0
 ō 3 94 91
[1] "Trial 10 : Nom Pl"
  Gender
X10 f m n
 a 176 141 139
i 2 40 2
[1] "Trial 10 : Acc Pl"
  Gender
X10 f m n
- 0 33 0
a 87 2 139
e 89 106 0
 i 2 40 2
[1] "Trial 10 : Gen Pl"
  Gender
\tt X10 f m n
- 90 124 139
 a 86 2 0
i 2 55 2
[1] "Trial 10 : Dat Pl"
 Gender
X10 f m n
 - 0 0 105
 a 86 2 0
 e 90 47 12
i 2 132 24
[1] "Trial 10 : Abl Pl"
 Gender
X10 f m n
 a 86 2 0
 i 92 179 141
```