NoSoundChange

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```
[1] "No Sound Change, TokFreqT"

[1] "Trial 1"
$NomSg
    f  m  n
-  82 84 50
a  86  2  0
e   7  1  0
o   1 54 89
os  2 40  2

$AccSg
   f  m  n
-  0  0 35
a 86  2  0
e 89 85 15
o  3 94 91

$GenSg
    f   m   n
as 86   2   0
es 90 139 139
os  2  40   2

$DatSg
    f   m   n
-   0  25   2
as 86   0   0
e  18 136 139
es 74   6   0
s   0  12   0

$AblSg
    f  m  n
a  86  0  0
e  89 84 50
o   2 54 89
os  0 40  2

$NomPl
    f  m  n
as 86  2  0
es 89 85 50
os  3 94 91

$AccPl
    f  m  n
```

```
as 86  2  0
es 90 85 50
os  2 40  2
s   0 54 89

$GenPl
    f   m   n
as 86   2   0
es 92 179 141

$DatPl
    f   m   n
as 86   2   0
es 92 179 141

$AblPl
    f   m   n
as 86   2   0
es 92 139 139
s   0  40   2

[1] "Trial 2"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$GenSg
    f   m   n
es 86   1   0
is 92 180 141

$DatSg
   f   m   n
- 92 179 141
a 86   2   0

$AblSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$NomPl
    f   m   n
```

```
as 86   2   0
s  92 179 141

$AccPl
    f  m   n
as 86  2   0
es 89 85   0
s   3 94 141

$GenPl
    f   m   n
s 178 181 141

$DatPl
    f   m   n
as 86   2   0
s  92 179 141

$AblPl
    f  m   n
as 86  2   0
es 89 85   0
s   3 94 141

[1] "Trial 3"
$NomSg
    f  m  n
-  82 84 50
a  86  2  0
es  7  1  0
o   3 94 91

$AccSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$GenSg
    f  m  n
as 86  2  0
es 89 85 50
s   3 94 91

$DatSg
    f  m  n
a  86  2  0
e  82 84 50
es  7  1  0
s   3 94 91

$AblSg
    f  m  n
a  86  2  0
```

```
e  82 84 50
es  7  1  0
os  3 94 91

$NomPl
     f   m   n
es 178 181 141

$AccPl
     f   m   n
es 178 181 141

$GenPl
    f   m   n
as 86   2   0
es 92 179 141

$DatPl
    f   m   n
as 86   2   0
es 92 179 141

$AblPl
    f   m   n
as 86   2   0
es 92 179 141

[1] "Trial 4"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$GenSg
    f   m   n
as 86   2   0
is 90 139 139
o   0  38   2

$DatSg
    f   m   n
as 86   2   0
is 90 139 139
o   2  40   2

$AblSg
```

```
   f  m  n
-  0  0 30
a 86  2  0
e 89 85 20
o  3 94 91

$NomPl
    f  m  n
-   2 40  2
as 86  2 68
is 89 85  0
s   1 54 71

$AccPl
    f  m   n
-   2 40   2
as 86  2 139
es 89 85   0
s   1 54   0

$GenPl
     f   m   n
aso 86   2   0
eo  92 179   2
o    0   0 139

$DatPl
     f   m   n
aso 86   2   0
eo  92 179   2
o    0   0 139

$AblPl
    f  m  n
-   2 41 47
a  34  1  0
as 52  1  0
e   1 53  0
eo 83 84  0
io  5  1  0
o   0  0 94

[1] "Trial 5"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
```

```
o  3 94 91

$GenSg
    f   m   n
as 86   2   0
s  92 179 141

$DatSg
   f  m   n
a 86  2   0
e 89 85   0
s  3 94 141

$AblSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$NomPl
    f   m   n
as 86   2   0
s  92 179 141

$AccPl
    f   m   n
as 86   2   0
s  92 179 141

$GenPl
    f   m   n
as 86   2   0
s  92 179 141

$DatPl
    f   m   n
as 86   2   0
s  92 179 141

$AblPl
    f   m   n
as 86   2   0
s  92 179 141

[1] "Trial 6"
$NomSg
    f  m  n
-   0  0 50
a  86  2  0
es 89 85  0
o   3 94 91

$AccSg
```

```
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$GenSg
    f  m  n
a  86  2  0
e   9  1 50
es 82 84  0
i   1 94 91

$DatSg
   f  m  n
a 86  2  0
e 90 85 50
i  2 94 91

$AblSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$NomPl
    f  m   n
-   3 94 141
a  86  2   0
es 89 85   0

$AccPl
    f  m   n
-   3 94 141
a  86  2   0
es 87 85   0

$GenPl
   f   m   n
a 86   2   0
e 91 179 141

$DatPl
   f   m   n
a 86   2   0
e 92 179 141

$AblPl
    f  m   n
-   3 94 141
a  86  2   0
e  26  3   0
es 63 82   0
```

```
[1] "Trial 7"
$NomSg
    f  m  n
-  82 84 50
a  86  2  0
e   7  1  0
o   1 54 89
os  2 40  2

$AccSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$GenSg
    f   m   n
as 86   2   0
e  90 139 139
os  2  40   2

$DatSg
    f   m   n
as 86   2   0
e  90 139 139
os  2  40   2

$AblSg
    f  m  n
a  86  2  0
e  89 85 50
o   1 54 89
os  2 40  2

$NomPl
    f  m  n
as 86  2 50
e   0 85  0
es 90 54  0
os  2 40  2
s   0  0 89

$AccPl
    f   m   n
as 86   2 139
e   1 139   0
es 89   0   0
os  2  40   2

$GenPl
    f   m   n
as 86   2   0
e  92 179 141
```

```
$DatPl
    f   m   n
as 86   2   0
e  92 179 141

$AblPl
    f   m   n
as 86   2   0
e  90 139   0
es  0   0 139
os  2  40   2

[1] "Trial 8"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$GenSg
    f  m  n
a  86  2  0
e   1 54 89
es 89 85 50
o   2 40  2

$DatSg
    f  m  n
a  86  2  0
es 89 85 49
o   3 94 91

$AblSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$NomPl
    f   m   n
a  86   2   0
e   2  40   2
es 90 139 139

$AccPl
    f  m  n
a  86  2  0
```

```
e   1 54 89
es 89 85 50
o   2 40  2

$GenPl
    f   m   n
ao 86   2   0
o  92 179 141

$DatPl
    f   m   n
ao 86   2   0
o  92 179 141

$AblPl
    f   m   n
a  86   2   0
e   0  40   2
es 92 139 139

[1] "Trial 9"
$NomSg
   f  m  n
- 83 85 50
a 86  2  0
e  6  0  0
o  3 94 91

$AccSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$GenSg
   f   m   n
a 86   2   0
e 92 179 141

$DatSg
   f   m   n
a 86   2   0
e 92 179 141

$AblSg
   f  m  n
-  0  0 22
a 86  2  0
e 89 85 28
o  3 94 91

$NomPl
    f   m   n
```

```
a 176 141 139
e   2  40   2

$AccPl
   f   m   n
-  0  33   0
a 87   2 139
e 91 146   2

$GenPl
   f   m   n
- 90 124 139
a 86   2   0
e  2  55   2

$DatPl
   f   m   n
-  0   0 105
a 86   2   0
e 92 179  36

$AblPl
   f   m   n
a 86   2   0
e 92 179 141

[1] "Trial 10"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$GenSg
   f   m   n
a 86   2   0
e 92 179 141

$DatSg
   f   m   n
a 86   2   0
e 92 179 141

$AblSg
   f  m  n
-  3  0 50
a 86  2  0
```

```
e 89 85  0
o  0 94 91

$NomPl
   f   m   n
- 92 179 141
a 86   2   0

$AccPl
   f  m   n
-  3 94 141
a 86  2   0
e 89 85   0

$GenPl
   f   m   n
a 86   2   0
e 92 179 141

$DatPl
   f   m   n
a 86   2   0
e 92 179 141

$AblPl
   f  m   n
-  3 94 141
a 86  2   0
e 89 85   0

[1] "Trial 11"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$GenSg
   f  m  n
- 33 22 50
a 86  2  0
e 56 63  0
o  3 94 91

$DatSg
   f  m  n
-  0  0 50
```

```
a 86  2  0
e 89 85  0
o  3 94 91

$AblSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$NomPl
    f  m  n
-   3 94 91
a  86  2 50
es 89 85  0

$AccPl
    f  m  n
-   3 94 91
a  86  2 50
es 89 85  0

$GenPl
    f  m   n
-   3 94 141
a  86  2   0
es 89 85   0

$DatPl
    f  m   n
-   3 94 141
a  86  2   0
es 89 85   0

$AblPl
    f  m   n
-   3 94 141
a  86  2   0
es 89 85   0

[1] "Trial 12"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91
```

```
$GenSg
   f   m   n
a 86   2   0
e 92 179 141

$DatSg
   f   m   n
a 86   2   0
e 92 179 141

$AblSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$NomPl
    f   m   n
as 86   2   0
s  92 179 141

$AccPl
    f  m  n
-   3 94 91
as 86  2  0
es 89 85  0
s   0  0 50

$GenPl
   f   m   n
- 86   2   0
e 92 179 141

$DatPl
   f   m   n
- 86   2   0
e 92 179 141

$AblPl
   f   m   n
- 86   2   0
e 92 179 141

[1] "Trial 13"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
-  0  0 50
```

```
a 86  2  0
e 89 85  0
o  3 94 91

$GenSg
   f   m   n
a 86   2   0
e 92 179 141

$DatSg
   f   m   n
a 86   2   0
e 92 179 141

$AblSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$NomPl
   f   m   n
- 92 179   2
a 86   2 139

$AccPl
   f  m   n
-  1 94   2
a 86  2 139
e 91 85   0

$GenPl
   f   m   n
e 86   2   0
i 92 179 141

$DatPl
   f   m   n
e 86   2   0
i 92 179 141

$AblPl
   f   m   n
e 86   2   0
i 92 179 141

[1] "Trial 14"
$NomSg
   f  m  n
a 86  2  0
e 89 82 49
o  3 94 91

$AccSg
```

```
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$GenSg
    f   m   n
a  86   2   0
e   0  38   2
es 92 141 139

$DatSg
    f  m  n
a  86  2  0
e   3 94 91
es 89 85 50

$AblSg
   f  m  n
a 86  2  0
e 89 85 50
o  1 94 91

$NomPl
    f  m  n
-   2 69 73
a  86  2  0
es 89 85 50
o   0  5  0
s   1 20 18

$AccPl
   f  m  n
-  3 92 91
a 86  2  0
e 89 85 50

$GenPl
    f   m   n
a  86   2   0
es 92 179 141

$DatPl
    f   m   n
a  86   2   0
e   0   6   0
es 92 173 141

$AblPl
    f  m  n
-   2 40  2
a  86  2  0
es 89 85 50
s   1 54 89
```

```
[1] "Trial 15"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$GenSg
    f  m  n
-   3  0 27
a  86  2  0
e   0 94 90
es 84 85 11
s   5  0 13

$DatSg
   f   m   n
-  3  52   2
a 86   2   0
e 89 127 139

$AblSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$NomPl
    f  m  n
-   3 94 91
a  86  2  0
es 86 76  0
s   3  9 50

$AccPl
   f  m  n
-  0 94 53
a 89  2 82
e 89 85  6

$GenPl
    f   m  n
-   1  54 89
a  86   2  0
es 91 125 51

$DatPl
```

```
   f  m   n
-  3 94 141
a 86  2   0
e 88 85   0

$AblPl
    f  m   n
-   3 91 139
a  86  2   0
es 89 85   0

[1] "Trial 16"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$GenSg
   f   m   n
a 86   2   0
i 92 179 141

$DatSg
   f   m   n
a 86   2   0
i 92 179 141

$AblSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$NomPl
    f   m   n
as 86   2   0
s  92 179 141

$AccPl
    f  m  n
-   3 94 91
as 86  2  0
es 89 85  0
s   0  0 50
```

```
$GenPl
   f   m   n
a 86   0   0
i 92 179 141

$DatPl
   f   m   n
a 86   2   0
i 92 179 141

$AblPl
    f   m   n
i 178 181 141

[1] "Trial 17"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$GenSg
    f  m  n
-   0 39  2
i   0 54 89
s 177 88 50

$DatSg
    f  m  n
as 86  2  0
e   0 45 67
es 89 85  0
i   0  9 22
s   3 40 52

$AblSg
   f  m  n
-  2  0 50
a 86  2  0
e 89 85  0
o  1 94 91

$NomPl
    f   m   n
s 178 181 141

$AccPl
```

```
    f  m   n
as 86  2   0
es 89 85   0
s   3 94 141

$GenPl
    f   m  n
eo 91 125 52
es  0   0  7
s  87  56 82

$DatPl
    f   m  n
eo 91 125 52
s  87  56 89

$AblPl
    f   m  n
eo 91 125 52
s  87  56 89

[1] "Trial 18"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$GenSg
   f   m   n
-  7   0   0
a 86   2   0
e 83 139 141
o  2  40   0

$DatSg
   f   m   n
a 86   2   0
e 90 139 141
o  2  40   0

$AblSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$NomPl
```

```
   f  m   n
-  7 83 139
a 86  2   0
o  2 40   2
s 83 56   0

$AccPl
   f   m   n
- 43 127 139
a 86   2   0
o  2  40   2
s 47  12   0

$GenPl
   f   m   n
- 92 179 141
a 86   2   0

$DatPl
   f   m   n
- 92 179 141
a 86   2   0

$AblPl
    f   m   n
a  32   1   0
as 54   1   0
es 90 136 109
os  2  40   2
s   0   3  30

[1] "Trial 19"
$NomSg
   f  m  n
- 82 84 50
a 86  2  0
e  7  1  0
o  3 94 91

$AccSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$GenSg
   f  m  n
-  1 54 89
a 86  2  0
e 89 85 50
o  2 40  2

$DatSg
   f  m   n
```

```
-  7 55 137
a 86  2   0
e 83 84   2
o  2 40   2

$AblSg
   f  m  n
a 86  2  0
e 89 85 50
o  2 94 91

$NomPl
   f  m   n
-  6 64 106
a 90  3  35
e 82 84   0
o  0 30   0

$AccPl
   f   m   n
-  1 105   0
a 93   3 139
e 82  33   0
o  2  40   2

$GenPl
   f   m  n
-  0   0 81
a 93   3 58
e 85 178  2

$DatPl
   f   m   n
- 76 110   0
a 93   3 139
e  9  68   2

$AblPl
   f  m   n
-  2 84 107
a 93  3  34
e 83 94   0

[1] "Trial 20"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
a 86  2  0
e 89 85 50
```

```
o  3 94 91

$GenSg
    f   m   n
a  86   2   0
e  83 119 133
es  9  60   4

$DatSg
   f   m   n
a 86   2   0
e 92 179 141

$AblSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$NomPl
    f   m   n
-  84 127 138
a  86   2   0
es  3  40   2
s   5  12   1

$AccPl
   f   m  n
-  1  54 89
a 86   2  0
e 89 122 52

$GenPl
    f   m   n
-  86 132 139
a  86   2   0
es  2  40   2
s   4   7   0

$DatPl
    f   m   n
-  85 116 139
a  86   2   0
e   0  11   0
es  2  42   2
s   5  10   0

$AblPl
    f   m   n
a  86   2   0
e  53  53 120
es 39 126  21

[1] "Trial 21"
```

```
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$GenSg
    f  m  n
a  86  2  0
e   9 95 91
es 83 84 50

$DatSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$AblSg
   f  m  n
a 86  2  0
e 89 85 50
o  2 94 91

$NomPl
    f  m  n
a  86  2  0
e   3 94 91
es 89 85 50

$AccPl
     f  m  n
-    1 54 89
es 175 87 50
o    2 40  2

$GenPl
    f  m  n
a  86  2  0
e   3 94 91
es 89 85 50

$DatPl
    f  m  n
as 86  2  0
e   3 94 91
es 89 85 50
```

```
$AblPl
    f  m  n
a  86  2  0
e   3 94 91
es 89 85 50

[1] "Trial 22"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$GenSg
    f  m  n
-   3 94 91
as 86  2  0
s  89 85 50

$DatSg
   f  m  n
-  1 33  0
a 86  2  0
e 89 85  0
o  2 61 91
s  0  0 50

$AblSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$NomPl
    f   m   n
as 86   2   0
s  92 179 141

$AccPl
    f  m  n
-   0 15 88
as 86  2  0
es 89 85  0
s   3 79 53

$GenPl
```

```
    f   m   n
as 86   2   0
s  92 179 141

$DatPl
    f  m   n
as 86  2   0
es 89 85   0
s   3 94 141

$AblPl
    f  m   n
as 86  2   0
es 89 85   0
s   3 94 141

[1] "Trial 23"
$NomSg
   f  m  n
- 82 84 50
a 86  2  0
e  7  1  0
o  3 94 91

$AccSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$GenSg
   f  m  n
-  1 54 89
a 86  2  0
e 89 85 50
o  2 40  2

$DatSg
   f   m   n
a 86   2   0
e 90 139 139
o  2  40   2

$AblSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$NomPl
     f  m  n
-    1 54 89
a    0  0 50
es 175 87  0
```

```
o    2 40  2

$AccPl
     f  m  n
-    0  0 89
a    0  0 50
e    1 54  0
es 175 87  0
o    2 40  2

$GenPl
   f   m  n
-  2  39  2
a 86   2 50
e 90 139 89

$DatPl
   f   m  n
a 86   2 50
e 92 179 91

$AblPl
   f   m  n
a 86   2 50
e 90 139 89
o  2  40  2

[1] "Trial 24"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$GenSg
   f   m   n
- 92 179 141
a 86   2   0

$DatSg
   f  m   n
-  3 94 141
a 86  2   0
e 89 85   0

$AblSg
   f  m  n
```

```
-  2  0 50
a 86  2  0
e 89 85  0
o  1 94 91

$NomPl
   f   m   n
- 92 179 141
a 86   2   0

$AccPl
     f  m   n
-    3 94 141
es 175 87   0

$GenPl
   f   m   n
- 92 179 141
a 86   2   0

$DatPl
   f  m   n
-  3 94 141
a 86  2   0
e 89 85   0

$AblPl
   f  m   n
-  3 94 141
a 86  2   0
e 89 85   0

[1] "Trial 25"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
-  1  0 50
a 86  2  0
e 89 85  0
o  2 94 91

$GenSg
    f   m   n
a  86   2   0
es 92 179 141

$DatSg
    f   m   n
a  86   2   0
```

```
es 92 179 141

$AblSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$NomPl
    f   m  n
-   0   0 89
a  86   2 50
es 91 125  2
s   1  54  0

$AccPl
    f   m   n
-   1  54   2
a  86   2 137
es 91 125   2

$GenPl
    f   m   n
a  86   2   0
es 92 179 141

$DatPl
    f   m   n
a  86   2   0
es 92 179 141

$AblPl
    f   m   n
a  86   2   0
es 92 179 141

[1] "Trial 26"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$GenSg
    f   m   n
a  86   2   0
es 86 179 141
s   6   0   0
```

```
$DatSg
    f   m   n
a  86   2   0
es 92 179 141

$AblSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$NomPl
   f  m  n
-  9 40  2
a 87 56 89
s 82 85 50

$AccPl
   f  m  n
-  2 40  2
a 87 56 89
e 89 85 50

$GenPl
     f  m  n
eo  91 86 51
eso  0 39  1
o   87 56 89

$DatPl
    f   m  n
eo 91 125 52
o  87  56 89

$AblPl
    f   m  n
eo 91 125 52
o  87  56 89

[1] "Trial 27"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$GenSg
```

```
   f   m   n
a 86   2   0
e 92 179 141

$DatSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AblSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$NomPl
   f   m   n
- 92 179 141
a 86   2   0

$AccPl
   f  m  n
-  3 94 91
a 86  2  0
e 89 85 50

$GenPl
   f   m   n
- 92 179 141
a 86   2   0

$DatPl
   f   m   n
- 92 179 141
a 86   2   0

$AblPl
   f   m   n
- 92 179 141
a 86   2   0

[1] "Trial 28"
$NomSg
   f  m  n
- 89 86 50
a 86  1  0
o  3 94 91

$AccSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
```

```
o  3 94 91

$GenSg
   f   m   n
- 92 180 141
a 86   1   0

$DatSg
   f  m   n
-  3 94 141
a 86  2   0
e 89 85   0

$AblSg
   f  m  n
-  0  0 50
a 86  0  0
e 89 84  0
o  3 94 91

$NomPl
   f   m   n
- 92 181 141
a 86   0   0

$AccPl
   f  m   n
-  3 95 141
a 86  1   0
e 89 85   0

$GenPl
   f   m   n
- 92 181 141
a 86   0   0

$DatPl
   f  m   n
-  3 95 141
a 86  1   0
e 89 85   0

$AblPl
     f   m   n
eo 178 181 141

[1] "Trial 29"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
```

```
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$GenSg
    f   m  n
a  86   0  0
i   2  54 89
is 90 125 52

$DatSg
    f   m  n
a  86   2  0
i  92 109 91
is  0  70 50

$AblSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$NomPl
   f   m  n
-  0   0 89
a 86   2  0
e 92 179 52

$AccPl
   f   m  n
-  0  54  0
a 86   2 89
e 92 125 52

$GenPl
   f   m  n
-  0   0 89
a 86   2  0
e 92 179 52

$DatPl
   f   m  n
-  0  54  0
a 86   2 89
e 92 125 52

$AblPl
   f   m   n
a 86   2   0
e 92 179 141

[1] "Trial 30"
$NomSg
```

```
   f  m  n
- 82 84 50
a 86  2  0
o  3 94 91
s  7  1  0

$AccSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$GenSg
   f   m   n
a 86   2   0
s 92 179 141

$DatSg
    f  m   n
-   2 49 138
a  86  2   0
e  82 84   0
es  7  1   0
s   1 41   1

$AblSg
    f  m  n
-   0  0 50
a  86  2  0
e  82 84  0
es  7  1  0
o   3 94 91

$NomPl
   f   m   n
a 86   2   0
s 92 179 141

$AccPl
    f  m   n
a  86  2   0
es 89 85   0
s   3 94 141

$GenPl
   f   m   n
a 84   1   0
s 92 179 141

$DatPl
    f  m   n
a  86  2   0
es 89 85   0
```

```
s   3 94 141

$AblPl
    f  m   n
a  86  2   0
es 89 85   0
s   3 94 141

[1] "Trial 31"
$NomSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$AccSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$GenSg
   f   m   n
a 86   2   0
e 92 179 141

$DatSg
   f   m   n
a 86   2   0
e 92 179 141

$AblSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$NomPl
    f  m   n
a  86  1   0
es 89 85   0
s   3 94 141

$AccPl
    f  m   n
a  86  2   0
es 89 85   0
s   3 94 141

$GenPl
   f   m   n
```

```
a 86   2   0
e 92 179 141

$DatPl
   f   m   n
a 86   2   0
e 92 179 141

$AblPl
   f   m   n
a 86   2   0
e 92 179 141

[1] "Trial 32"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$GenSg
   f   m   n
- 82   2   0
e 86 179 141
s 10   0   0

$DatSg
   f   m   n
- 90   2   0
e 86 179 141

$AblSg
   f  m  n
a 85  2  0
e 89 85 50
o  3 94 91

$NomPl
    f  m   n
-   3 94   2
a   0  0 139
as 86  2   0
s  89 85   0

$AccPl
    f  m   n
-   3 94   2
```

```
a   0  0 139
as 86  2   0
es 89 85   0

$GenPl
    f   m   n
a  82   2   0
e  71 179 141
es 15   0   0
s   6   0   0

$DatPl
    f   m   n
a  55   2   0
as 31   0   0
e  10 179 141
es 76   0   0
s   6   0   0

$AblPl
     f  m   n
e    0 94 141
es 104 87   0
s   74  0   0

[1] "Trial 33"
$NomSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$AccSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$GenSg
    f  m  n
-   0  8  0
as 86  2  0
e   1 59 91
es 89 88 50
s   2 24  0

$DatSg
   f   m   n
a 86   2   0
e 90 158 141
o  2  21   0
```

```
$AblSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$NomPl
    f  m   n
as 86  2   0
es 89 85   0
s   3 94 141

$AccPl
    f  m   n
as 86  2   0
es 89 85   0
s   3 94 141

$GenPl
    f   m   n
as 86   2   0
es 90 174 141
s   2   5   0

$DatPl
    f   m   n
as 86   2   0
es 90 179 141

$AblPl
    f  m   n
as 86  2   0
es 89 85   0
s   3 94 141

[1] "Trial 34"
$NomSg
    f  m  n
a  86  2  0
o   1 54 89
os  2 40  2
s  89 85 50

$AccSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$GenSg
    f   m  n
as 40   0  0
```

```
es 92 179 67
s  46   2 74

$DatSg
    f   m  n
as 86   2  0
es 92 179 53
s   0   0 88

$AblSg
    f  m  n
a  86  2  0
e  89 85  0
o   1 54 89
os  2 40  2
s   0  0 50

$NomPl
    f   m   n
as 86   2   0
s  92 179 141

$AccPl
    f  m   n
as 86  2   4
es 90 85   0
s   2 94 137

$GenPl
    f   m   n
as 86   2   4
es 88 138  33
s   4  41 104

$DatPl
    f   m  n
as 86   2 31
es 85 127 12
s   7  52 98

$AblPl
    f  m   n
as 86  2   0
es 90 85   0
s   2 94 141

[1] "Trial 35"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
```

```
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$GenSg
    f  m  n
as 83  0  0
es 89 84 50
i   0 54 89
s   3 40  2

$DatSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$AblSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$NomPl
    f   m   n
as 86   2   0
s  92 179 141

$AccPl
    f  m  n
as 86  2  0
es 89 85 50
s   3 94 91

$GenPl
      f  m  n
bos  86  2  0
ebos 89 85 50
s     3 94 91

$DatPl
    f  m  n
as 86  2  0
es 89 85 50
s   3 94 91

$AblPl
      f  m  n
bos  86  2  0
ebos 89 85 50
s     3 94 91

[1] "Trial 36"
```

```
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$GenSg
    f   m   n
as 86   2   0
s  92 179 141

$DatSg
    f   m   n
as 86   2   0
s  92 179 141

$AblSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$NomPl
    f   m   n
as 86   2   0
s  92 179 141

$AccPl
    f  m   n
as 86  2   0
es 89 85   0
s   3 94 141

$GenPl
    f   m   n
as 86   2   0
s  92 179 141

$DatPl
    f   m   n
as 86   2   0
s  92 179 141

$AblPl
    f  m   n
as 86  2   0
```

```
es 89 85   0
s   3 94 141

[1] "Trial 37"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$GenSg
   f   m   n
a 86   2   0
e 92 179 141

$DatSg
   f   m   n
a 86   2   0
e 92 179 141

$AblSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$NomPl
    f  m  n
-   3 94 91
a  86  1  0
es 89 85 50

$AccPl
    f  m  n
-   3 94 91
a  86  2  0
es 89 85 50

$GenPl
   f   m   n
a 86   2   0
e 92 179 141

$DatPl
   f   m   n
a 86   2   0
e 92 179 141
```

```
$AblPl
   f   m   n
a 86   2   0
e 92 179 141

[1] "Trial 38"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$GenSg
    f  m  n
-   3 94 91
a  11  0  0
as 75  2  0
s  89 85 50

$DatSg
   f  m  n
-  3 94 91
a 86  2  0
s 89 85 50

$AblSg
   f  m  n
-  3 40  2
a 86  0  0
e 89 85  0
o  0 54 89
s  0  0 50

$NomPl
    f  m  n
-   3 93 91
as 86  1  0
s  89 87 50

$AccPl
   f  m  n
-  3 94 91
a 86  2  0
e 89 85  0
s  0  0 50

$GenPl
```

```
    f   m   n
s 178 181 141

$DatPl
    f   m   n
as 86   1   0
s  92 180 141

$AblPl
       f  m  n
bos   49  1  0
ebos 126 86 50
s      3 94 91

[1] "Trial 39"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$GenSg
   f   m   n
a 86   2   0
e 92 179 141

$DatSg
   f   m   n
a 86   2   0
e 92 179 141

$AblSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$NomPl
    f   m   n
-  87 131   0
a  86   2 139
es  2  40   0
s   3   8   2

$AccPl
    f  m   n
```

```
-   1 54   0
a  86  2 139
e  89 85   0
es  2 40   0

$GenPl
   f   m   n
-  6   0 139
a 86   2   0
e 85 179   2

$DatPl
   f   m   n
-  2   0 139
a 86   2   0
e 90 179   2

$AblPl
    f   m   n
-   0   0 137
a  86   2   0
es 91 125   0
s   1  54   4

[1] "Trial 40"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$GenSg
   f  m  n
-  3 94 91
a 86  2  0
s 89 85 50

$DatSg
   f  m  n
-  3 94 91
a 86  2  0
e 89 85  0
s  0  0 50

$AblSg
   f  m  n
a 86  2  0
```

```
e 89 85  0
o  3 94 91
s  0  0 50

$NomPl
   f   m   n
a 86   2   0
s 92 179 141

$AccPl
   f  m   n
a 86  2   0
e 89 85   0
s  3 94 141

$GenPl
   f   m   n
a 86   2   0
s 92 179 141

$DatPl
   f  m   n
a 86  2   0
e 89 85   0
s  3 94 141

$AblPl
   f  m   n
a 86  2   0
e 89 85   0
s  3 94 141

[1] "Trial 41"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$GenSg
   f   m   n
- 70 117 134
a 84   0   0
e 24  64   7

$DatSg
   f   m  n
-  1  54 89
```

```
a 86   2  0
e 91 125 52

$AblSg
   f  m  n
a 86  1  0
e 89 85 50
o  3 94 91

$NomPl
   f   m  n
- 91 125 52
a 87  56 89

$AccPl
   f   m  n
- 88 105 49
a 87  57 89
e  3  19  3

$GenPl
   f   m   n
- 76 117 129
a 85   9   8
e 17  55   4

$DatPl
   f   m  n
- 70 104 96
a 87  31 41
e 21  46  4

$AblPl
   f   m   n
- 80  13   6
e 98 168 135

[1] "Trial 42"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$GenSg
   f   m   n
- 90 139 139
```

```
a 86   2   0
o  2  40   2

$DatSg
   f  m   n
-  1 54 139
a 86  2   0
e 89 85   0
o  2 40   2

$AblSg
   f  m  n
-  2  0 50
a 86  2  0
e 88 85  0
o  2 94 91

$NomPl
   f  m   n
-  7 54 139
a 86  2   0
o  2 40   2
s 83 85   0

$AccPl
    f  m   n
-   8 55 139
a  86  2   0
e  57 68   0
es 25 16   0
o   2 40   2

$GenPl
   f   m   n
-  7  32 141
a 86   2   0
s 85 147   0

$DatPl
   f   m   n
- 92 170 141
a 86   2   0
s  0   5   0

$AblPl
   f   m  n
-  6   0 48
a 86   2  0
s 86 179 93

[1] "Trial 43"
$NomSg
   f  m  n
- 90 85 50
```

```
a 86  2  0
o  0 54 89
u  2 40  2

$AccSg
   f  m  n
- 90 85 50
a 86  2  0
o  0 54 89
u  2 40  2

$GenSg
   f   m   n
a 86   2   0
e 89 139 139
u  2  40   2

$DatSg
   f   m   n
a 86   2   0
e 89 139 139
u  2  40   2

$AblSg
   f  m  n
a 86  2  0
e 89 85 50
o  0 54 89
u  2 40  2

$NomPl
    f  m  n
-   1 54 89
a  86  2  0
e   0  0 50
es 89 85  0
u   2 40  2

$AccPl
    f  m  n
-   1 54 89
a  86  2  0
e   0  0 50
es 89 85  0
u   2 40  2

$GenPl
   f   m   n
a 86   2   0
e 89 139 139
u  2  40   2

$DatPl
   f   m   n
```

```
a 86   2   0
e 89 139 139
u  2  40   2

$AblPl
   f   m   n
a 86   2   0
e 89 139 139
u  2  40   2

[1] "Trial 44"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$GenSg
   f  m   n
-  3 94 141
a 86  2   0
e 89 85   0

$DatSg
   f  m   n
-  3 94 141
a 86  2   0
e 89 85   0

$AblSg
   f  m  n
-  3  0 50
a 86  2  0
e 89 85  0
o  0 94 91

$NomPl
   f   m   n
- 92 179 141
a 86   2   0

$AccPl
   f  m   n
-  3 94   2
a 86  2 139
e 89 85   0
```

```
$GenPl
   f  m   n
-  3 94 141
a 86  2   0
e 89 85   0

$DatPl
   f  m   n
-  3 94 141
a 86  2   0
e 89 85   0

$AblPl
   f  m   n
-  3 94 141
a 86  2   0
e 89 85   0

[1] "Trial 45"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$GenSg
   f   m   n
a 86   2   0
e 92 179 141

$DatSg
   f   m   n
a 86   2   0
e 92 179 141

$AblSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$NomPl
    f  m   n
a  86 55 139
e   3 40   0
es 89 84   0

$AccPl
```

```
    f  m   n
-   0  6   2
a  86 51 139
e   3 40   0
es 89 84   0

$GenPl
   f   m   n
a 86   2   0
e 92 179 141

$DatPl
   f   m   n
a 86   2   0
e 92 179 141

$AblPl
   f   m   n
a 86   2   0
e 92 179 141

[1] "Trial 46"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$GenSg
   f   m   n
- 90   0   0
a 86   2   0
e  2 179 141

$DatSg
   f   m   n
- 90   0   0
a 86   2   0
e  2 179 141

$AblSg
   f  m  n
a 86  2  0
e 89 85 50
o  3 94 91

$NomPl
   f   m   n
```

```
- 92 179 141
a 86   2   0

$AccPl
   f   m   n
- 92 179 141
a 86   2   0

$GenPl
   f   m   n
- 92 179 141
a 86   2   0

$DatPl
   f   m   n
- 92 179 141
a 86   2   0

$AblPl
   f   m   n
- 92 179 141
a 86   2   0

[1] "Trial 47"
$NomSg
   f  m  n
- 89 85 50
a 86  2  0
o  3 94 91

$AccSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$GenSg
    f   m   n
as 86   2   0
es 92 179 141

$DatSg
   f   m  n
-  3   9 56
a 86   2  0
e 89 170 85

$AblSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91
```

```
$NomPl
   f   m   n
- 92 179   2
a 86   2 139

$AccPl
   f  m   n
-  3 94   2
a 86  2 139
e 89 85   0

$GenPl
    f  m   n
-  89 85 139
a  86  2   0
es  0 63   0
s   3 31   0

$DatPl
   f  m   n
-  3 94 141
a 86  2   0
e 89 85   0

$AblPl
   f  m   n
-  3 94 141
a 86  2   0
e 89 85   0

[1] "Trial 48"
$NomSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$AccSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$GenSg
    f  m   n
-   1 54 139
a  86  2   0
es 89 85   0
o   2 40   2

$DatSg
```

```
   f  m  n
-  1 44 56
a 86  2  0
e 89 85  0
o  2 50 85

$AblSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91

$NomPl
    f   m   n
a  86   2 139
es 92 179   2

$AccPl
    f  m   n
a  86  2 139
e  89 85   0
es  3 94   2

$GenPl
    f   m   n
a  86   2 139
es 92 179   2

$DatPl
    f   m   n
a  86   2 139
es 92 179   2

$AblPl
    f   m   n
a  86   2 139
es 92 179   2

[1] "Trial 49"
$NomSg
   f  m  n
- 82 84 50
a 86  2  0
e  7  1  0
o  3 94 91

$AccSg
   f  m  n
-  0  0 50
a 86  2  0
e 89 85  0
o  3 94 91
```

```
$GenSg
   f   m   n
a 86   2   0
e 90 139 139
o  2  40   2

$DatSg
   f   m   n
a 86   2   0
e 90 139 139
o  2  40   2

$AblSg
   f  m  n
a 86  0  0
e 89 84 50
o  3 94 91

$NomPl
    f  m   n
-   1 54 138
a  86  2   1
es 89 85   0
o   2 40   2

$AccPl
    f  m  n
-   1 54 90
a  86  2 49
es 89 85  0
o   2 40  2

$GenPl
   f   m   n
a 86   2   0
e 92 179 141

$DatPl
   f   m   n
a 86   2   0
e 92 179 141

$AblPl
   f   m   n
a 86   2   0
e 90 139 139
o  2  40   2

[1] "Trial 50"
$NomSg
   f  m  n
- 82 84 50
a 86  2  0
e  7  1  0
```

```
o  3 94 91

$AccSg
   f  m  n
-  0 54 50
a 86  2  0
e 89 31  0
o  3 94 91

$GenSg
   f   m   n
a 86   2   0
e 90 139 139
o  2  40   2

$DatSg
   f   m   n
a 86   2   0
e 90 139 139
o  2  40   2

$AblSg
   f  m  n
a 86  0  0
e 89 85 50
o  3 94 91

$NomPl
   f   m   n
- 83 138   0
a 93   3 139
o  2  40   2

$AccPl
   f  m   n
-  1 54   0
a 93  3 139
e 82 84   0
o  2 40   2

$GenPl
   f   m   n
-  7   0 131
a 86   2   0
e 85 179  10

$DatPl
   f   m   n
-  7   0 124
a 86   2   0
e 85 179  17

$AblPl
   f   m   n
```

```
-  5   0 118
a 86   2   0
e 85 139  21
o  2  40   2

[1] "Percentage of trials where all plurals end in /s/ 16 %"

[1] "Percentage of trials where Nom and Acc plurals end in /s/ 18 %"

[1] "Percentage of trials where all masculine/feminine plurals end in /s/ 16 %"

[1] "Percentage of trials where masculine/feminine Nom and Acc plurals end in /s/ 18 %"

[1] "Percentage of trials where Nom.Sg and Acc.Sg end up the same 16 %"

[1] "Percentage of trials where Abl.Sg and Acc.Sg end up the same 72 %"

[1] "Percentage of trials where Nom.Sg, Acc.Sg, and Abl.Sg end up the same 10 %"

[1] "Percentage of trials where Nom.Pl and Acc.Pl end up the same 26 %"

[1] "Percentage of trials where Abl.Pl and Acc.Pl end up the same 28 %"

[1] "Percentage of trials where Nom.Pl, Acc.Pl, and Abl.Pl end up the same 8 %"

[1] "Percentage of trials where Gen.Sg and Dat.Sg end up the same 48 %"

[1] "Percentage of trials where Gen.Pl and Dat.Pl end up the same 64 %"

[1] "Percentage of trials where all singulars end up the same 0 %"

[1] "Percentage of trials where all plurals end up the same 0 %"

[1] "Percentage of trials where all forms end up the same 0 %"

[1] "I.SG Systems"

I_sg_systems
     a   a,as a,as,s    -,a   a,es
  0.70   0.22   0.04   0.02   0.02

[1] "II.SG Systems"

II_sg_systems
     e,o      -,o      i,o   e,es,o    -,e,o     es,o      o,s -,e,es,o
    0.38     0.20     0.08     0.06     0.04     0.04     0.04     0.02
  -,is,o    -,o,s    e,i,o   es,o,s     is,o        o   o,os,s
    0.02     0.02     0.02     0.02     0.02     0.02     0.02
```

```
[1] "III.SG Systems"

III_sg_systems
     -,e   -,e,es    -,e,s -,e,es,s   -,e,is    -,e,i -,e,i,is     e,es
    0.46     0.22     0.14     0.08     0.04     0.02     0.02     0.02

[1] "IV.SG Systems"

IV_sg_systems
     e,o        o      -,o      o,s    -,o,s   e,es,o     es,o      i,o
    0.28     0.20     0.12     0.06     0.04     0.04     0.04     0.04
   -,e,o  -,e,o,s   -,is,o -,o,os,s  es,o,os   i,is,o     o,os   o,os,s
    0.02     0.02     0.02     0.02     0.02     0.02     0.02     0.02
       u
    0.02

[1] "V.SG Systems"

V_sg_systems
     -,e   -,e,es        e     e,es    -,e,s   -,e,is   e,es,s -,e,es,s
    0.40     0.12     0.12     0.12     0.10     0.04     0.04     0.02
   -,e,i -,e,i,is
    0.02     0.02

[1] "I.PL Systems"

I_pl_systems
              a              as           a,es            as,s
           0.50            0.14            0.04            0.04
          -,a,e            -,as            a,ao            a,as
           0.02            0.02            0.02            0.02
       a,as,aso a,as,bos,ebos,s         a,as,es       a,as,es,s
           0.02            0.02            0.02            0.02
         a,as,i             a,e            a,eo             a,o
           0.02            0.02            0.02            0.02
         as,bos           as,es
           0.02            0.02

[1] "II.PL Systems"

II_pl_systems
        -,a,e           -,e             s             -          -,s
         0.14          0.14          0.12          0.08         0.06
          -,a      -,a,es,s       -,es,s          es,s       -,a,e,s
         0.04          0.04          0.04          0.04         0.02
        -,a,i -,as,e,eo,o,s       -,e,es        -,e,s         -,eo
         0.02          0.02          0.02          0.02         0.02
        -,i,s          a,es           a,o     as,e,es,s       as,es,s
         0.02          0.02          0.02          0.02         0.02
       e,es,o           e,s            es       es,os,s
         0.02          0.02          0.02          0.02
```

```
[1] "III.PL Systems"

III_pl_systems
          es,s          -,a,e            -,e       -,e,es,s
          0.12           0.10           0.06           0.06
         a,e,es           e,es             es         -,e,es
          0.06           0.06           0.06           0.04
         e,es,s              -      -,a,e,es     -,a,e,es,s
          0.04           0.02           0.02           0.02
        -,a,e,i         -,a,es         -,e,eo         -,es,s
          0.02           0.02           0.02           0.02
       a,e,es,s           a,es       as,e,es as,eo,es,is,o,s
          0.02           0.02           0.02           0.02
             e       e,ebos,s         e,eo,s            e,s
          0.02           0.02           0.02           0.02
      ebos,es,s        eo,es,s         es,i,s           es,o
          0.02           0.02           0.02           0.02
             s
          0.02

[1] "IV.PL Systems"

IV_pl_systems
      s       -     -,e     e,o       e      es    -,e,o     -,eo
   0.12    0.10    0.10    0.08    0.06    0.06     0.04     0.04
   -,es     -,s    e,es    es,s -,e,es,o    -,e,s -,eo,eso      -,i
   0.04    0.04    0.04    0.04    0.02    0.02     0.02     0.02
  -,i,s  -,o,os   -,o,s    e,os     e,s    eo,s  es,os,s        u
   0.02    0.02    0.02    0.02    0.02    0.02     0.02     0.02

[1] "V.PL Systems"

V_pl_systems
      e,es        -,e         es       es,s          -      -,e,eo
      0.22        0.12       0.12       0.10       0.04       0.04
    -,e,es      e,es,s        -,a      -,a,e      -,e,i       -,es
      0.04        0.04       0.02       0.02       0.02       0.02
         a           e   e,ebos,s        e,s  ebos,es,s eo,es,io,is
      0.02        0.02       0.02       0.02       0.02       0.02
   eo,es,s     es,i,s       es,o          s
      0.02        0.02       0.02       0.02

[1] "N.PL Systems"

N_pl_systems
     -,a,e       -,a         s       -,e    -,e,es         -
      0.12       0.10      0.10      0.08      0.06      0.04
       -,s        a,e -,a,e,es,s    -,a,es  -,as,o,s  -,e,es,s
      0.04       0.04      0.02      0.02      0.02      0.02
     -,e,s  -,ebos,s      -,eo    -,es,s     -,i,s         a
      0.02       0.02      0.02      0.02      0.02      0.02
a,e,eo,o,s        a,i as,e,es,s   as,es,s    e,es,o       e,s
      0.02       0.02      0.02      0.02      0.02      0.02
 ebos,es,s   eo,es,s        es   es,os,s      es,s
      0.02       0.02      0.02      0.02      0.02
```