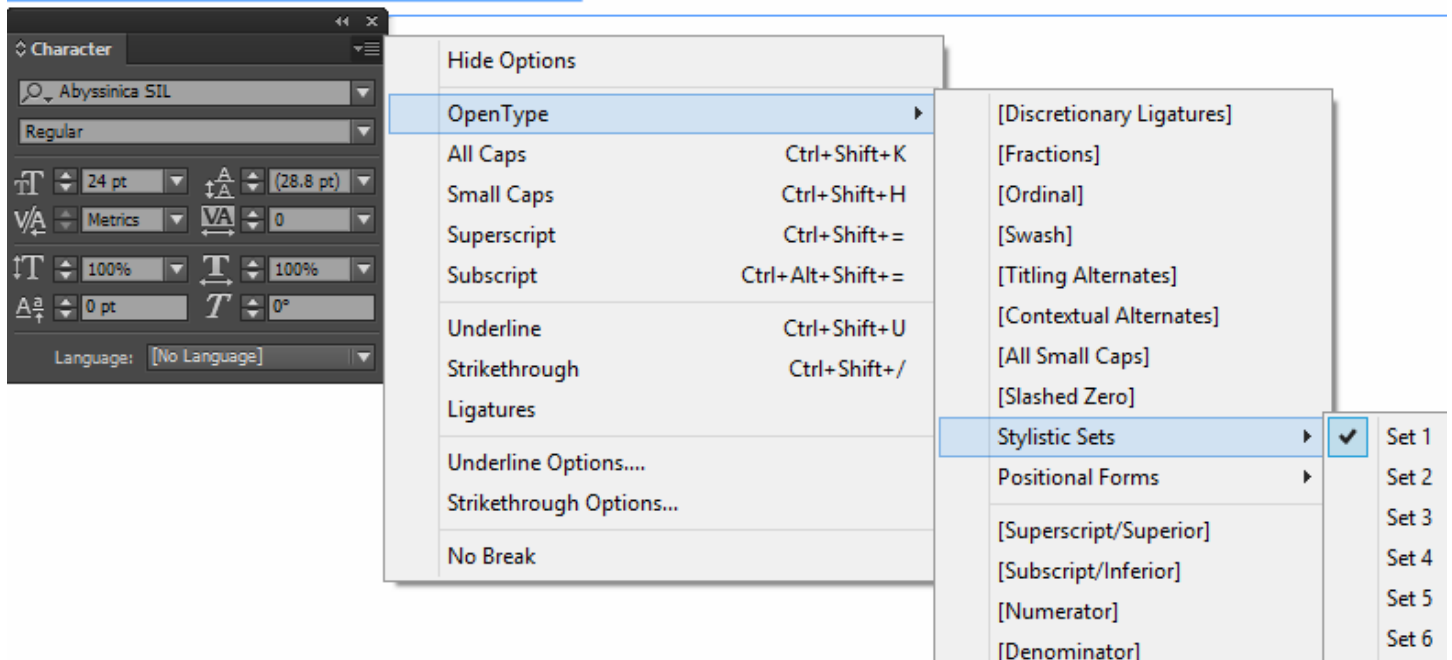# Abyssinica SIL Features

The Ethiopic script does not require much rendering except for some combining marks for gemination and vowel length. Abyssinica SIL provides both OpenType and Graphite rendering solutions for rendering the combining marks and for kerning as well as for the special glyph variations that can occur for the Ethiopic script. The tables below give lists of the OpenType Stylistic Sets and OpenType Character Variants available in Abyssinica SIL.
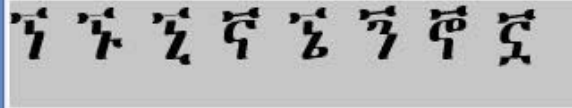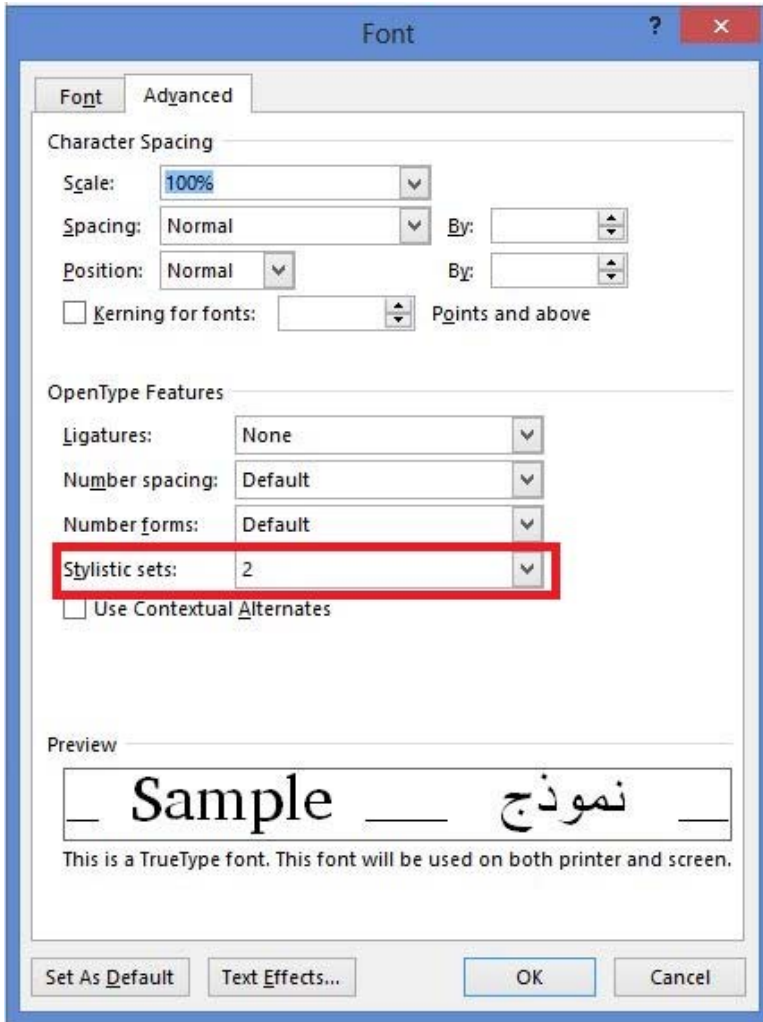
Abyssinica SIL OpenType Features

New (version 1.500): Character Variants were added to Abyssinica SIL. If an application supports Character Variants, those are preferred. The Stylistic Sets do not offer as many options as are available in the Character Variants. However, the OpenType Stylistic Sets are still in the font in order to provide support for applications (such as InDesign CS4+ and Microsoft Office 2007+) that only support Stylistic Sets and not Character Variants.

Stylistic Sets

In InDesign, from the "Character" palette select "**OpenType / Stylistic Sets**" and then choose the Set you want to apply to the text you have selected. The default character should change to the variant character. You can also set your Stylistic Set preference in paragraph and character styles. It is recommended to have "**[No language]**" selected if there is no Ethiopic-based language available.

In Microsoft Word, select the text, then select "**Font / Advanced**" and then choose the Stylistic Set you want to apply to the text you have selected.

Stylistic Sets Table

OpenType Feature Name	Feature setting	Feature IDs	Character shapes
Archaic Oromo dda forms (U+12F8..U+12FE)	Standard		ዸ ዹ ዺ ዻ ዼ ዽ ዾ
	Alternate	ss01	ዸ ዹ ዺ ዻ ዼ ዽ ዾ[1]
Gumuz nya forms (U+1298..U+129F)	Standard		ኘ ኙ ኚ ኛ ኜ ኝ ኞ ኟ
	Disconnected	ss02	ኘ ኙ ኚ ኛ ኜ ኝ ኞ ኟ[2]
Old Style forms (U+1297 U+12C3 U+12E5 U+1313 U+133F U+134F)	Standard		ኗ ዃ ዥ ጓ ጿ ፏ
	Disconnected	ss03	ኗ[3] ዃ[4] ዥ[5] ጓ[6] ጿ ፏ[3]
Disconnected gga forms (U+1318..U+131E)	Standard		ጘ ጙ ጚ ጛ ጜ ጝ ጞ
	Disconnected	ss04	ጘ ጙ ጚ ጛ ጜ ጝ ጞ[7]
Sebat Bet gwaa form (U+1313)	Standard		ጓ
	Sebat Bet	ss05	ጓ[8]
Leslau's Sebat Bet alternates (U+1381 U+1383 U+1387 U+138B U+138F)	Standard		ᎈ ᎍ ᎆ ᎇ ᎌ
		ss06	ᎈ ᎍ ᎆ ᎇ ᎌ[9]
Sebat Bet xwa forms (U+1288..U+128D)	Standard		ኈ ኍ ኈ ኍ ኍ
	Handwriting	ss07	ሁ ሂ ሆ ሁ ሁ
Sebat Bet 3rd form alternates (U+124A U+12B2 U+12C2 U+1312 U+1381 U+1385 U+138D)	Standard		ቊ ኲ ዄ ጒ ᎊ ቧ ᎌ
	Alternate	ss08	ቊ ኲ ዄ ጒ ᎊ ቧ ᎌ[8]
Sebat Bet 6th form alternates (U+124D U+12B5 U+12C5 U+1315)	Standard		ቍ ኵ ዅ ጕ
	Alternate	ss09	ቍ ኵ ዅ ጕ[8]
Sebat Bet mwe alternate (U+1383)	Standard		ᎍ
	Sebat Bet	ss10	ᎍ[8]
Traditional fwee alternate (U+138A)	Standard		ᎊ
	Alternate	ss11	ᎊ[9]
Typewriter ggwaa alternate (U+131F)	Standard		ጟ
	Disconnected	ss12	ጟ[7]
xoa alternate (U+1287)	Standard		ዧ
	Alternate	ss13	ዧ
Latin punctuation	Ethiopic-style		! $ % * + / 0 1 2 3 4 5 6 7 8 9 = ? ¡ © « ² ³ ¹ » × ' ' " " ‹ › ⁰ ⁴ ⁵ ⁶ ⁷ ⁸ ⁹ €
	Latin-style	ss14	! $ % * + / 0 1 2 3 4 5 6 7 8 9 = ? ¡ © « ² ³ ¹ » × ' ' " " ‹ › ⁰ ⁴ ⁵ ⁶ ⁷ ⁸ ⁹ €

Character Variants

For applications which support OpenType Character Variants, such as in CSS, the Character Variant ID and setting is chosen. For example, in CSS, if cv32, is desired, you might have this code in your .css:

```
...
@font-face {
  font-family: AbyssinicaSIL;
  src: url(AbyssinicaSIL-R.woff);
}
.cv320 {
  font-family: AbyssinicaSIL;
  -moz-font-feature-settings: "cv32" 0; font-size: 200%;
}
.cv321 {
  font-family: AbyssinicaSIL;
  -moz-font-feature-settings: "cv32" 1; font-size: 200%;
}
...
```

and this in your .html:

```
<p class=cv320> ዪ ዪ ዪ ዪ ዪ ዪ ዪ</cv320> [cv32=0]</p>

<p class=cv321> ዪ ዪ ዪ ዪ ዪ ዪ ዪ</cv321> [cv32=1]</p>
```

Which would produce this:

ዪ ዪ ዪ ዪ ዪ ዪ ዪ [cv32=0]

ዪ ዪ ዪ ዪ ዪ ዪ ዪ [cv32=1]

Character Variants Table

OpenType Feature Name	Feature setting	Feature IDs	Character shapes
Punctuation	Ethiopic-style		! $ % * + / 0 1 2 3 4 5 6 7 8 9 = ? ¡ © « ^{2} ^{3} ^{1} » × ' ' " " ‹ › $_{0}$ $_{4}$ $_{5}$ $_{6}$ $_{7}$ $_{8}$ $_{9}$ €
	Latin-style	cv01=1	! $ % * + / 0 1 2 3 4 5 6 7 8 9 = ? ¡ © « ^{2} ^{3} ^{1} » × ' ' " " ‹ › $_{0}$ $_{4}$ $_{5}$ $_{6}$ $_{7}$ $_{8}$ $_{9}$ €
mwa alternates (U+121F)	Standard		ሟ
	Alternate-1	cv04=1	ሟ [10]
	Alternate-2	cv04=2	ሟ [4]
rwa alternate (U+122F)	Standard		ሯ
	Alternate	cv05=1	ሯ [4]
xoa alternate (U+1287)	Standard		ሷ
	Alternate	cv17=1	ሷ
xwa alternates (U+1288..U+128D)	Standard		ኈ ኊ ኋ ኌ ኍ
	Handwriting	cv18=1	ኈ ኊ ኋ ኌ ኍ
nwa alternate (U+1297)	Standard		ኗ
	Alternate	cv19=1	ኗ [10]
nya alternates (U+1298..U+129E)	Standard		ኘ ኙ ኚ ኛ ኜ ኝ ኞ
	Disconnected	cv20=1	ኘ ኙ ኚ ኛ ኜ ኝ ኞ [2]
nywa alternates (U+129F)	Standard		ኟ
	Disconnected	cv21=1	ኟ [2]
	Cohen	cv21=2	ኟ [4]
kxwaa alternate (U+12C3)	Standard		ዃ
	Alternate	cv26=1	ዃ [4]
zha alternates (U+12E0..U+12E6)	Standard		ዠ ዡ ዢ ዣ ዤ ዥ ዦ
	Cohen	cv31=1	ዠ ዡ ዢ ዣ ዤ ዥ ዦ [5]
	Chaine	cv31=2	ዠ ዡ ዢ ዣ ዤ ዥ ዦ [11]
dda alternates (U+12F8..U+12FE)	Standard		ደ ዱ ዲ ዳ ዴ ድ ዶ
	Alternate	cv32=1	ደ ዱ ዲ ዳ ዴ ድ ዶ [1]
gwaa alternates (U+1313)	Standard		ጓ
	Sebat Bet	cv40=1	ጓ [8]
	Alone Stokes	cv40=2	ጓ [4]
gga alternates (U+1318..U+131E)	Standard		ጘ ጙ ጚ ጛ ጜ ጝ ጞ
	Disconnected	cv41=1	ጘ ጙ ጚ ጛ ጜ ጝ ጞ [7]
ggwaa alternate (U+131F)	Standard		ጟ
	Disconnected	cv42=1	ጟ [7]
phe alternate (U+1335)	Standard		ጵ
	Alternate	cv45=1	ጵ [12]
tswa alternate (U+133F)	Standard		ጿ
	Alternate	cv46=1	ጿ

OpenType Feature Name	Feature setting	Feature IDs	Character shapes
fwa alternates (U+134F)	Standard		ፏ
	Cohen-1	cv48=1	ፏ[10]
	Cohen-2	cv48=2	ፏ[10]
rya alternate (U+1358)	Standard		ሬ
	Alternate	cv49=1	ሬ[4]
mya alternate (U+1359)	Standard		ፙ
	Alternate	cv50=1	ፙ [4]
mwi alternates (U+1381)	Standard		ሟ
	Sebat Bet	cv60=1	ሟ[8]
	Leslau	cv60=2	ሟ[9]
mwe alternates (U+1383)	Standard		ሟ
	Sebat Bet	cv61=1	ሟ[8]
	Leslau	cv61=2	ሟ[9]
bwe alternate (U+1387)	Standard		ቧ
	Alternate	cv62=1	ቧ[9]
fwee alternate (U+138A)	Standard		ፏ
	Alternate	cv63=1	ፏ[9]
fwe alternate (U+138B)	Standard		ፏ
	Alternate	cv64=1	ፏ[9]
pwe alternate (U+138F)	Standard		፟
	Alternate	cv65=1	፟[9]
ggwa alternates (U+2D93..U+2D96)	Standard		፟ ፟ ፟ ፟
	Disconnected	cv70=1	፟ ፟ ፟ ፟[7]
3rd form alternates	Standard		ቈ ኰ ኈ ጐ ቈ ፟
(U+124A U+12B2 U+12C2 U+1312 U+1385 U+138D)	Alternate	cv80=1	ቈ ኰ ኈ ጐ ቈ ፟[8]
6th form alternates	Standard		ቈ ኰ ኈ ጐ
(U+124D U+12B5 U+12C5 U+1315)	Alternate	cv85=1	ቈ ኰ ኈ ፟[8]

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[1] Archaic Oromo language preference
[2] Gumuz language preference
[3] Chaîne (p 3), Cohen (table 2)
[4] Cohen (table 2)
[5] Alone-Stokes, Chaîne (p 3), Cohen (table 1)

[6] Alone-Stokes (inside back cover)
[7] Bilen language preference
[8] Sebat Bet language preference
[9] Leslau
[10] Chaîne (p 3), Cohen (table 2)
[11] Chaîne (p 3)
[12] Praetorius (p 6)