Font Features for Doulos SIL

When Doulos SIL is used in applications that support Graphite, and that provide an appropriate user interface, various user-controllable font features are available that allow access to alternatively-designed glyphs that might be preferable for use in some contexts. In the Graphite version of OpenOffice 3.0[1] the font features can be turned on by choosing the font (ie Doulos SIL), followed by a colon, followed by the feature ID, and then followed by the feature setting. So, for example, if the Uppercase eng alternate "Capital N with tail" is desired, the font selection would be "Doulos SIL:1024=2". If you wish to apply two (or more) features, you can separate them with an "&". Thus, "Doulos SIL:1024=2&1058=1" would apply "Capital N with tail" plus the "Small capitals" feature.

Some of these font features are also available in AAT applications on Mac OS X. A glyph palette is available for accessing the alternate glyphs in some applications such as Adobe InDesign.

Ideally the selection of these font features is done in application programs, but many applications do not yet support this functionality. In response to this lack of support for features, a program called TypeTuner[2] allows users to create derivative fonts with their own feature settings based on the needs of a local project or region.

In the table below, upper and lowercase pairs are shown (if they exist), even if the feature only affects one or the other. This is in order to see how the whole pair looks when a feature is applied. The following font features are available in Doulos SIL:

Feature Name	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes[3]
Language specific					
Vietnamese-style diacritics (U+1EA4 U+1EA5 U+1EA6 U+1EA7 U+1EA8 U+1EA9 U+1EAA U+1EAB U+1EAE U+1EAF U+1EB0 U+1EB1 U+1EB2 U+1EB3 U+1EB4 U+1EB5 U+1EBE U+1EBF U+1EC0 U+1EC1 U+1EC2 U+1EC3 U+1EC4 U+1EC5 U+1ED0 U+1ED1 U+1ED2 U+1ED3 U+1ED4 U+1ED5 U+1ED6 U+1ED7)	1029	0=False	Ấấ Ầầ Ẩẩ Ẫẫ Ắắ Ằằ Ẳẳ Ẵẵ Ếế Ềề Ểể Ễễ Ốố Ồồ Ổổ Ỗỗ	ẤẤ ẦẦ ẨẨ ẪẪ ẮẮ ẰẰ ẲẲ ẴẴ ẾẾ ỀỀ ỂỂ ỄỄ ỐỐ ỒỒ ỔỔ ỖỖ	R, O
		1=True	Ấấ Ầầ Ẩẩ Ẫẫ Ắắ Ằằ Ẳẳ Ẵẵ Ếế Ềề Ểể Ễễ Ốố Ồồ Ổổ Ỗỗ	ẤẤ ẦẦ ẨẨ ẪẪ ẮẮ ẰẰ ẲẲ ẴẴ ẾẾ ỀỀ ỂỂ ỄỄ ỐỐ ỒỒ ỔỔ ỖỖ	
Romanian-style diacritics (U+015E U+015F U+0162 U+0163)	1041	0=False	Șș Țț	Șș Țț	R, O
		1=True	Șș Țț	Șș Țț	

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[1] http://scripts.sil.org/OOo_20_graphite

[2] http://scripts.sil.org/TypeTuner

[3] **TypeTuner legend: R**=glyphs are Reencoded (will work with dumb rendering); **O**=OpenType rules are activated; **G**=Graphite-only feature (All features are available for Graphite applications.)

Feature Name	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes
Chinantec tones (U+02CB U+**02C8** U+02C9 U+02CA)	1057	0=False	ˋ ˈ ˉ ˊ	Small capitals are not available as there is no uppercase equivalent	R
		1=True	ˋ ˈ ˉ ˊ		
Bridging diacritics (U+0308 – used with "L" and "l", U+0311, U+0361 and U+035F – used with "O", "o", "U" and "u".)	1052	0=False	Naso: L̈L Ïl L̈l Konai: ÔU Ôu ôu O͟U O͟u o͟u O͡U O͡u o͡u O͟U O͟u o͟u	Small capitals do not work properly	G
		1=True	Naso: L̈L Ïl L̈l Konai: ÔU Ôu óu O͟U O͟u o͟u O͡U O͡u o͡u O͟U O͟u o͟u		
Cyrillic[4]					
Mongolian-style Cyrillic E (U+042D U+044D)	1027	0=False	Ээ	Ээ	R
		1=True	Ээ	Ээ	
Combining breve Cyrillic form (U+0306)	1028	0=False	anything with ̆ (Ӗӗ)	anything with ̆ (Ӗӗ)	R (no effect if data is NFC)
		1=True	anything with ̆ (Ӗӗ)	anything with ̆ (Ӗӗ)	
Cyrillic shha alternate (U+04BB)	1056	0=False	hh	hh	R
		1=True	hh	hh	

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[4] There are also Cyrillic characters affected by the "Slant italic specials", "Capital Ezh alternates", "Small capitals" and "Show deprecated PUA" features. Some languages may also use the "Modifier apostrophe alternates."

Feature Name	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes
Tone-related					
Tone numbers (U+02E5 U+02E6 U+02E7 U+02E8 U+02E9 U+712 U+A713 U+A714 U+A715 U+A716)	1026	0=False	˥ ˦ ˧ ˨ ˩ ˥ ˦ ˧ ˨ ˩	Small capitals are not available as there is no uppercase equivalent	G
		1=True	5 4 3 2 1 5 4 3 2 1		
Hide tone contour staves (U+02E5 U+02E6 U+02E7 U+02E8 U+02E9 U+A712 U+A713 U+A714 U+A715 U+A716)	1050	0=False	˥ ˦ ˧ ˨ ˩ ˥ ˦ ˧ ˨ ˩ ()	Small capitals are not available as there is no uppercase equivalent	G
		1=True	˥ ˦ ˧ ˨ ˩ ˥ ˦ ˧ ˨ ˩ ()		
9-level pitches (U+F1F1 U+F1F2 U+F1F3 U+F1F4 U+F1F5 U+F1F6 U+F1F7 U+F1F8 U+F1F9)	1062	0=Ligated	()	Small capitals are not available as there is no uppercase equivalent	G
		1=Show tramlines	()		
		2=Non-ligated	()		
		3=Show tramlines, non-ligated	()		
Miscellaneous					
Literacy alternates (U+0061 U+00E0 U+00E1 U+00E2 U+00E3 U+00E4 U+00E5 U+0101 U+0103 U+0105 U+01CE U+01DF U+01E1 U+01FB U+0201 U+0203 U+0227 U+1E01 U+1E9A U+1EA1 U+1EA3 U+1EA5 U+1EA7 U+1EA9 U+1EAB U+1EAD U+1EAF U+1EB1 U+1EB3 U+1EB5 U+1EB7 U+2C65 U+0067 U+011D U+011F U+0121 U+0123 U+01E7 U+01F5 U+01E5 U+1E21)	1032	0=False	Aa Àà Áá Ââ Ãã Ää Åå Āā Ăă Ąą Ǎǎ Ǟǟ Ǡǡ Ǻǻ Ȁȁ Ȃȃ Ȧȧ ẚ Ạạ Ảả Ấấ Ầầ Ẩẩ Ẫẫ Ậậ Ắắ Ằằ Ẳẳ Ẵẵ Ặặ Ⱥⱥ Gg Ĝĝ Ğğ Ġġ Ģģ Ǧǧ Ǵǵ Ᵹᵹ Ḡḡ	AA ÀÀ ÁÁ ÂÂ ÃÃ ÄÄ ÅÅ ĀĀ ĂĂ ĄĄ ǍǍ ǞǞ ǠǠ ǺǺ ȀȀ ȂȂ ȦȦ ẚ ẠẠ ẢẢ ẤẤ ẦẦ ẨẨ ẪẪ ẬẬ ẮẮ ẰẰ ẲẲ ẴẴ ẶẶ ȺȺ GG ĜĜ ĞĞ ĠĠ ĢĢ ǦǦ ǴǴ ᵹᵹ ḠḠ	R
		1=True	Aɑ Àà Áá Ââ Ãã Ää Åå Āā Ăă Ąą Ǎǎ Ǟǟ Ǡǡ Ǻǻ Ȁȁ Ȃȃ Ȧȧ ẚ Ạạ Ảả Ấấ Ầầ Ẩẩ Ẫẫ Ậậ Ắắ Ằằ Ẳẳ Ẵẵ Ặặ Ⱥⱥ Gg Ĝĝ Ğğ Ġġ Ģģ Ǧǧ Ǵǵ Ᵹᵹ Ḡḡ	AA ÀÀ ÁÁ ÂÂ ÃÃ ÄÄ ÅÅ ĀĀ ĂĂ ĄĄ ǍǍ ǞǞ ǠǠ ǺǺ ȀȀ ȂȂ ȦȦ ẚ ẠẠ ẢẢ ẤẤ ẦẦ ẨẨ ẪẪ ẬẬ ẮẮ ẰẰ ẲẲ ẴẴ ẶẶ ȺȺ GG ĜĜ ĞĞ ĠĠ ĢĢ ǦǦ ǴǴ ᵹᵹ ḠḠ	

Feature Name	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes
Barred-bowl forms (U+0111 U+0180 U+01E5)	1031	0=False	Đđ Ƀƀ Ǥǥ	Đ Ð Ƀ ʙ Ǥ ɢ	R
		1=True	Đđ Ƀƀ Ǥǥ	Đ Ð Ƀ ʙ Ǥ ɢ	
Non-European caron alternates (U+0165 U+010F U+013D U+013E)	1063	0=False	Ťť Ďď Ľľ	Ťť Ďď Ľ ʟ	R
		1=True	Ťť Ďď Ľľ	Ťť Ďď Ľ ʟ	
Ogonek alternate (U+0328 U+0104 U+0105 U+0118 U+0119 U+012E U+012F U+0172 U+0173 U+01EA U+01EB U+01EC U+01ED)	1043	0=Curved	anything with ̨ (Aą Eę Iį Uų Oǫ Ōǭ)	anything with ̨ (Aą Eę Iį Uų Oǫ Ōǭ)	R
		1=Straight	anything with ̨ (Aą Eę Iį Uų Oǫ Ōǭ)	anything with ̨ (Aą Eę Iį Uų Oǫ Ōǭ)	
Capital B-hook alternate (U+0181)	1064	0=False	Ɓɓ	Ɓ ʙ	R
		1=True	Ɓɓ	Ɓ ʙ	
Rams horn alternates (U+0264)	1025	0=Small bowl	ɤ	Small capitals are not available as there is no uppercase equivalent	R
		1=Large bowl	ɤ		
		2=Small gamma	ɣ		
Capital H-stroke alternate (U+0126)	1038	0=Horizontal stroke	Ħħ	Ħ ħ	R
		1=Vertical stroke	Ħħ	Ħ ħ	
J stroke hook alternate (U+0284)	1049	0=No serif	ʄ	Small capitals are not available as there is no uppercase equivalent	R
		1=Top serif	ʄ		

Feature Name	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes
Uppercase Eng alternates (U+014A)	1024	0= Large eng with descender	Ŋŋ	Ŋŋ	R
		1=Large eng on baseline	Ŋŋ	Ŋŋ	
		2=Capital N with tail	Ŋŋ	Ŋŋ	
		3=Large eng with short stem	Ŋŋ	Ŋŋ	
Capital N-left-hook alternate (U+019D)	1035	0=Uppercase style	Ɲɲ	Ɲɲ	R
		1=Lowercase style	Ɲɲ	Ɲɲ	
Open o alternate (U+0186 U+0254 U+1D10 U+1D53 U+1D97)	1059	0=Bottom serif	Ɔɔ ɔ ᵓ ᶗ	Ɔɔ ɔ ᵓ ᶗ	R
		1=Top serif	Ɔɔ ɔ ᵓ ᶗ	Ɔɔ ɔ ᵓ ᶗ	
Small p-hook alternate (U+01A5)	1040	0=Left hook	Ƥƥ	Ƥƥ	R
		1=Right hook	Ƥƥ	Ƥƥ	
Capital R-tail alternate (U+2C64)	1039	0=Uppercase style	Ɽɽ	Ɽɽ	R
		1=Lowercase style	Ɽɽ	Ɽɽ	
Capital T-hook alternate (U+01AC)	1037	0=Left hook	Ƭƭ	Ƭƭ	R
		1=Right hook	Ƭƭ	Ƭƭ	
V-hook alternates (U+01B2 U+028B)	1033	0=Curved	Ʋʋ	Ʋʋ	R
		1=Straight left	Ʋʋ	Ʋʋ	
		2=Straight left high hook	Ʋʋ	Ʋʋ	

Feature Name	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes
Capital Y-hook alternate (U+01B3)	1034	1=Right hook	Yy	Yy	R
		0=Left hook	Yy	YY	
Small ezh-curl alternate (U+0293)	1036	0=Small bowl	ʓ	Small capitals are not available as there is no uppercase equivalent	
		1=Large bowl	ʓ		
Capital Ezh alternates (U+01B7 U+04E0)	1042	0=Normal	Ʒʒ Ӡӡ	Ʒʒ Ӡӡ	R
		1=Reversed sigma	Ʒʒ Ӡӡ	Ʒʒ Ӡӡ	
OU alternates (U+0222 U+0223)	1045	0=Closed	Ȣȣ	Ȣȣ	R
		1=Open	Ȣȣ	Ȣȣ	
Modifier apostrophe alternates (U+02BC U+A78B U=A78C)	1044	0=Small	ʼ Ꞌꞌ	Small capitals are not available	R
		1=Large	ʼ Ꞌꞌ		
Modifier colon alternate (U+A789)	1047	0=Tight	꞉	Small capitals are not available as there is no uppercase equivalent	R
		1=Wide	꞉		
Empty set alternates (U+2205)	1046	0=Circle	∅	Small capitals are not available as there is no uppercase equivalent	R
		1=Zero	∅		
Show invisible characters (U+00AD U+034F U+200B U+200C U+200D U+200E U+200F U+202A U+202B U+202C U+202D U+202E U+2060 U+2061 U+2062 U+2063 U+FE00 U+FE01 U+FE02 U+FE03 U+FE04 U+FE05 U+FE06 U+FE07 U+FE08 U+FE09 U+FE0A U+FE0B U+FE0C U+FE0D U+FE0E U+FE0F U+FEFF)	1030	0=False		Small capitals are not available as there is no uppercase equivalent	R
		1=True	CGJ ZWNJ ZWJ LRM RLM LRE RLE PDF LRO RLO VS8 VS7 VS6 VS5 VS4 VS3 VS2 VS1 ، X F() VS16 VS15 VS14 VS13 VS12 VS11 VS10 VS9 ZWNBSP		

Feature Name	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes
Diacritic selection	1051	0=False 1=True	Allows independent selection of diacritics (rather than the base **plus** diacritic).		G
Small capitals	1058	0=False 1=True	a b c d e f g h i j k l m n o p q r s t u v w x y z à á â ã ä å æ ç è é ê ë ì í î ï ð ñ ò ó ô õ ö ø ù ú û ü ý þ ÿ ā ă ą ć ĉ ċ č ď đ ē ĕ ė ę ě ĝ ğ ġ ĥ ħ ĩ ī ĭ į ı ij ĵ ķ ĺ ļ ľ l· ł ń ņ ň ŋ ō ŏ ő œ ŕ ŗ ř ś ŝ ş š ţ ť ŧ ũ ū ŭ ů ű ų ŵ ŷ ź ż ž ƀ Ɓ ƅ ƈ ɑ ƒ ƕ ƙ ł ŋ ơ ɋ β ʂ ƒ ư ʏ ʑ ʐ ƽ ƥ Dž dž Lj lj Nj nj ǎ ǐ ǒ ǔ ǖ ǘ ǚ ǜ ǝ ā̆ ǣ æ̆ ǥ ǧ ǩ ǫ ǭ ǯ Dz dz ǵ ǹ ǻ ǽ ǿ ȁ ȃ ȅ ȇ ȉ ȋ ȍ ȏ ȑ ȓ ȕ ȗ ș ț ȝ ȟ 8 z ȧ ȩ ȫ ȭ ȯ ȱ ȳ ȼ ɂ ɇ ɉ ɋ ɍ ɏ ɐ ɓ ɔ ɖ ə ɛ ɠ ɣ ɨ ɩ ɫ ɯ ɱ ɲ ɵ ɽ ʀ ʃ ʈ ʉ ʊ ʋ ʌ ʒ ᶏ ạ ḃ ḅ ḇ ḉ ḋ ḍ ḏ ḑ ḓ ḕ ḗ ḙ ḛ ḝ ḟ ḡ ḣ ḥ ḧ ḩ ḫ ḭ ḯ ḱ ḳ ḵ ḷ ḹ ḻ ḽ ḿ ṁ ṃ ṅ ṇ ṉ ṋ ṍ ṏ ṑ ṓ ṕ ṗ ṙ ṛ ṝ ṟ ṡ ṣ ṥ ṧ ṩ ṫ ṭ ṯ ṱ ṳ ṵ ṷ ṹ ṻ ṽ ṿ ẁ ẃ ẅ ẇ ẉ ẋ ẍ ẏ ẑ ẓ ẕ ạ ấ ầ ẩ ẫ ậ ắ ằ ẳ ẵ ặ ẹ ẻ ẽ ế ề ể ễ ệ ỉ ị ọ ỏ ố ồ ổ ỗ ộ ớ ờ ở ỡ ợ ụ ủ ứ ừ ử ữ ự ỳ ỵ ỷ ỹ ꜧ ƅ ʏ ł ɑ ʎ ɦ ᴋ ᴢ ᴡ ꜰ ɦ ƫ ɛ ɟ ɟ ᴀᴀ ᴀᴏ ꝁ ᴔ ' а б в г д е ж з и й к л м н о п р с т у ф х ц ч ш щ ъ ы ь э ю я è ë ħ ѓ є s і ї ј љ њ ћ ḱ ѝ ў џ ҍ ҩ ç т ʏ ұ х ц ч ҷ ħ є ҿ ӂ қ л н ц	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z À Á Â Ã Ä Å Æ Ç È É Ê Ë Ì Í Î Ï Đ Ñ Ò Ó Ô Õ Ö Ø Ù Ú Û Ü Ý Þ Ÿ Ā Ă Ą Ć Ĉ Ċ Č Ď Đ Ē Ĕ Ė Ę Ě Ĝ Ğ Ġ Ĥ Ħ Ĩ Ī Ĭ Į IJ IJ Ĵ Ķ Ĺ Ļ Ľ L· Ł Ń Ņ Ň Ŋ Ō Ŏ Ő Œ Ŕ Ŗ Ř Ś Ŝ Ş Š Ţ Ť Ŧ Ũ Ū Ŭ Ů Ű Ų Ŵ Ŷ Ź Ż Ž Ƀ Ɓ ʙ Ƈ ɑ Ƒ Ƕ Ƙ Ł Ŋ Ơ Ɋ ᴘ ʀ Ʈ Ư ʏ Ʒ Ɛ ʄ ᴘ DŽ DŽ LJ LJ NJ NJ Ǎ Ǐ Ǒ Ǔ Ǖ Ǘ Ǚ Ǜ ∃ Ā̆ Ā̆ Æ Ǥ Ǧ Ǩ Ǫ Ǭ Ǯ DZ DZ Ǵ Ǹ Ǻ Ǽ Ǿ Ȁ Ȃ Ȅ Ȇ Ȉ Ȋ Ȍ Ȏ Ȑ Ȓ Ȕ Ȗ Ș Ț Ȝ Ȟ 8 Z Ȧ Ȩ Ȫ Ȭ Ȯ Ȱ Ȳ Ȼ Ɂ Ɇ Ɉ Ɋ Ɍ Ɏ Ɐ Ɓ Ɔ Ɖ Ə Ɛ Ɠ Ɣ Ɩ ɪ Ł ᴡ ᴍ ɴ Ɵ ʀ ʀ Ɛ Ʈ ᴜ ᴜ ᴠ ᴧ Ʒ ᴘ Ꞃ Ꞃ Ꞃ Ꞓ Ꝺ Ꝺ Ꝺ Ꝺ Ꝺ Ȅ Ȅ Ȇ Ȇ Ḟ Ḡ Ḣ Ḥ Ḧ Ḩ Ḫ ɪ ɪ Ḱ Ḳ Ḵ Ḷ Ḹ Ḻ Ḽ Ḿ Ṁ Ṅ Ṇ Ṉ Ṋ Ṍ Ṏ Ṑ Ṓ Ṕ Ṗ Ṙ Ṛ Ṝ Ṟ Ṡ Ṣ Ṥ Ṧ Ṫ Ṭ Ṯ Ṱ Ṳ Ṵ Ṷ Ṹ Ṻ Ṽ Ṿ Ẁ Ẃ Ẅ Ẇ Ẉ Ẋ Ẍ Ẏ Ẑ Ẓ Ẕ Ạ Ả Ấ Ầ Ẩ Ẫ Ậ Ắ Ằ Ẳ Ẵ Ặ Ẹ Ẻ Ẽ Ế Ề Ể Ễ Ệ Ỉ Ị Ọ Ỏ Ố Ồ Ổ Ỗ Ộ Ớ Ờ Ở Ỡ Ợ Ụ Ủ Ứ Ừ Ử Ữ Ự Ỳ Ỵ Ỷ Ỹ Ꜧ 6 ʏ Ł ᴧ ʈ ᴛ ʜ ᴋ ᴢ ᴡ ꜰ ɦ Ꞇ Ɛ ꞙ ꞙ ᴀᴀ ᴀᴏ ꝁ ᴔ ' А Б В Г Д Е Ж З И Й К Л М Н О П Р С Т У Ф Х Ц Ч Ш Щ Ъ Ы Ь Э Ю Я È Ë Ђ Ѓ Є S І Ї Ј Љ Њ Ћ Ḱ Ѝ Ў Џ Ҍ Ҩ Ç Т ʏ Ұ Х Ц Ч Ҷ Ħ Є Ҿ Ӂ Қ Л Н Ц Ҷ Ӎ I	R

Feature Name	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes
			ɥ ʮ l ă ä æ ĕ ə ӭ ӝ ӟ ӡ ӈ ӣ ӥ ö ө ӧ ӭ ӯ ӱ ӳ ӵ ҫ ӹ ғ қ ӄ x d ԁ ӂ ӡ љ њ ԍ ԏ ε ԓ x ҏ ӕ q w ҟ ђ ҥ	Ӑ Ä Ӕ Ĕ Ə Ӭ Ӝ Ӟ Ӡ Ӈ Ӣ Ӥ Ö Ө Ӧ Ӭ Ӯ Ӱ Ӳ Ӵ Ҫ Ӹ Ғ Қ Ӄ Х Х Ԁ Ԁ Ӂ Ӡ Љ Њ Ԍ Ԏ Ε Ԓ Ӿ Ҟ Ӕ Q W Ҟ Љ Ҥ	
Show deprecated PUA	1077	0=None	(phonetic/PUA glyph sample)	Small capitals are available for a limited set: Ȼ Ⱡ ₽ Ɋ Ɋ ʀ R ᴡ W ' ʔ ᴂ ʜ ʜ ʏ ʏ ε ꞃ ʜ ᴊ ᴊ ᴋ ᴋ ᴢ ᴢ Ꞁ Ꞁ ᴊ ᴊ Ӿ Ӿ Ӽ Ӽ Ɛ ɛ	R
		1=Through Unicode 4.0	(phonetic/PUA glyph sample)	Small capitals do not work properly with this feature	
		2=Through Unicode 4.1	(phonetic/PUA glyph sample with boxed/missing glyphs)		

Feature Name	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes
			ʂ ʐ ɦ Ɱ Ᵽ ⱱ ⱴ ɉ Ɉ ʞ Ʞ ᴢ Ᶎ ꞌ ꞁ ᴎ Ʝ ɟ Ӿ ҳ Ҳ x Ɛ ɛ		
		3=Through Unicode 5.0	*(glyph example — characters not rendered)*		
		4=Through Unicode 5.1	*(glyph example — characters not rendered)*		

Other feature interactions

Feature Name	Feature ID	Feature Setting	Example	Example with Small Capitals	TypeTuner Notes
Vietnamese-style diacritics + Literacy alternates	1029 + 1032	True	Ấấ Ầầ Ẩẩ Ẫẫ Ắắ Ằằ Ẳẳ Ẵẵ Ếế Ềè Ểể Ễễ Ốố Ồồ Ổổ Ỗỗ	Ấấ Ầầ Ẩẩ Ẫẫ Ắắ Ằằ Ẳẳ Ẵẵ Ếế Ềè Ểể Ễễ Ốố Ồồ Ổổ Ỗỗ	R