

MONGOLIAN BASE FORMS, POSITIONAL FORMS, & VARIANT FORMS

(With great appreciation to Dr. Quejingzhabu for his many years of research and counsel
and Microsoft staff Aaron Bell / Andrew Glass for our many man-years of collaboration)

September 15, 2016 (Greg Eck - greyson@postone.net)

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ISO/IEC JTC1/SC2/WG2 N4752

TARGET AUDIENCE: Font developers

OBJECTIVE: Full specification of Mongolian/Todo/Sibe/Manchu/AliGali script base forms, positional forms, and variant forms. It should be noted that full specification of implementation logic is beyond the scope of this paper. It should be noted that the emphasis of this paper is stand-alone text rather than running text. However, all running text forms, aside from ligatures should be found here. This paper is not meant to be a replacement for the Chinese Standard nor the Ulaanbaatar Mongolian Standard. It is derived from these two standards. Suggestions such as in the yellow/violet highlighting is derived from external discussions such as the Unicode Forum.

LEGEND

The first line of a given character section will always give the Unicode form. If the Unicode form matches the main isolate form, then there will be no line for the isolate and it will be understood that the first line of a section also gives the main isolate form. Given this situation along with there being another isolate, the second line will define the second isolate. Given the rare case where the Unicode presentation form is not the isolate (1824, 1826, 184A, 184B, 184F, 1859, 185D, 185E, 1861, 1862, 1863, 1873, 1874, 1875, 1876), the first line will define the Unicode form as already stated, the second line will define the main isolate (termed the first isolate), the second line and following will define additional potential isolates.

* – Ligatures formed using this consonantal isolate appear in the initial-medial, initial-final, medial-medial, medial-final positions

\$ – Ligatures formed at this code-point appear in the initial-medial, initial-final, medial-medial, medial-final positions. These code-points should actually include an isolate loop to signify the initial/medial feminine forms which are found in the ligatures but never show up independently

& – Variants used with the FVS only for reasons of stylistics, archaic anomalies as well as some few contemporary spelling anomalies, compound spellings, and foreign spellings

% – Unicode code-point forms are not specified as an isolate therefore the only way of viewing these glyphs is by positional simulation using ZWJ. FVS specification should be a future consideration for ease of usage in stand-alone environments. There are 13 such cases.

(X₁X₂X₃X₄) – denotes script usage (X₁=Mongolian, X₂=Todo, X₃=Sibe, X₄=Manchu); positional glyphs which show no “X” at all are to be understood as undefined (such glyphs at this position are only the recommended form, not a required form).

Yellow highlighting denotes a difference from the Chinese Standard GB/T 26226-2010

Purple highlighting indicates the proposal for a new FVS assignment

Blue highlighting notes a need for refinement or just additional information

NOTE: There is an appendix to this paper which discusses the MVS model (DS00-MVS) as well as the NNBSP model (DS00-NNBSP). Assumptions inherent to these models will impact certain notations in this paper.

Punctuation	
1800 (xx_)	？ MONGOLIAN BIRGA
11660 (xx_)	？ MONGOLIAN BIRGA WITH ORNAMENT
11664 (xx_)	？ MONGOLIAN BIRGA WITH DOUBLE ORNAMENT
11662 (xx_)	？ MONGOLIAN DOUBLE BIRGA WITH ORNAMENT
11663 (xx_)	？ MONGOLIAN TRIPLE BIRGA WITH ORNAMENT
11661 (xx_)	∽ MONGOLIAN ROTATED BIRGA
11665 (xx_)	∽ MONGOLIAN ROTATED BIRGA WITH ORNAMENT
11666 (xx_)	∽ MONGOLIAN ROTATED BIRGA WITH DOUBLE ORNAMENT
11667 (xx_)	♪ MONGOLIAN INVERTED BIRGA
11668 (xx_)	♪ MONGOLIAN INVERTED BIRGA WITH DOUBLE ORNAMENT
11669 (xx_)	₪ MONGOLIAN SWIRL BIRGA
1166A (xx_)	₪ MONGOLIAN SWIRL BIRGA WITH ORNAMENT
1166B (xx_)	₪ MONGOLIAN SWIRL BIRGA WITH DOUBLE ORNAMENT
1166C (xx_)	₪ MONGOLIAN TURNED SWIRL BIRGA WITH DOUBLE ORNAMENT
1801 (xxxx) MONGOLIAN ELLIPSIS
1802 (xx_)	‘ MONGOLIAN COMMA
1803 (xx_)	‘‘ MONGOLIAN FULL STOP
1804 (xxxx)	： MONGOLIAN COLON
1805 (xx_)	❖ MONGOLIAN FOUR DOTS

Marks	
1806 (x_)	- MONGOLIAN TODO SOFT HYPHEN
1808 (_x)	› MONGOLIAN MANCHU COMMA
1809 (_x)	» MONGOLIAN MANCHU FULL STOP
Control Characters	
1885 (xx_x)	⌚ MONGOLIAN LETTER ALI GALI BALUDA (this is not a letter – it is a diacritic mark)
1886 (xx_x)	⌚ MONGOLIAN LETTER ALI GALI THREE BALUDA (this is not a letter – it is a diacritic mark)
18A9 (x_)	⌚ MONGOLIAN LETTER ALI GALI DAGALGA (this is not a letter – it is a diacritic mark)
Control Characters	
180B (xxxx)	⌚ MONGOLIAN FREE VARIATION SELECTOR ONE
180C (xxxx)	⌚ MONGOLIAN FREE VARIATION SELECTOR TWO
180D (xxxx)	⌚ MONGOLIAN FREE VARIATION SELECTOR THREE
180E (xx_)	⌚ MONGOLIAN VOWEL SEPARATOR
180F (xxxx)	⌚ MONGOLIAN FREE VARIATION SELECTOR FOUR

STATUS: Proposal #1 (graphic will show a "4")

NOTE: A Mongolian vertical font should also include the control characters NNBSP (202F), ZWJ (200D) and ZNWJ (200C))

Numbers

(rotated 90 degrees clockwise in vertical display)

1810	(xx_)	0	MONGOLIAN DIGIT ZERO
1811	(xx_)	9	MONGOLIAN DIGIT ONE
1812	(xx_)	2	MONGOLIAN DIGIT TWO
1813	(xx_)	3	MONGOLIAN DIGIT THREE
1814	(xx_)	0	MONGOLIAN DIGIT FOUR
1815	(xx_)	5	MONGOLIAN DIGIT FIVE
1816	(xx_)	6	MONGOLIAN DIGIT SIX
1817	(xx_)	7	MONGOLIAN DIGIT SEVEN
1818	(xx_)	8	MONGOLIAN DIGIT EIGHT
1819	(xx_)	9	MONGOLIAN DIGIT NINE

NOTE: These digits should also be rotate-able 270 degrees clockwise from current display (either by the font or by upper-level layout)

NOTE: A Mongolian vertical font should also have Latin digits which will rotate 270 degrees clockwise from current display also (either by the font or by upper-level layout)

181A	<reserved>
181B	<reserved>
181C	<reserved>
181D	<reserved>
181E	<reserved>
181F	<reserved>

Mongolian Letters

1807	(__xx)	ተ	MONGOLIAN SIBE SYLLABLE BOUNDARY MARKER
1807+ZWJ	(__)	ተ	Initial Form
ZWJ+1807+ZWJ	(__xx)	ተ	Medial Form
ZWJ+1807	(__)	ተ	Final Form
180A	(xxxx)	-	MONGOLIAN NIRUGU
180A+ZWJ	(xxxx)	-	Initial Form
ZWJ+180A+ZWJ	(xxxx)	-	Medial Form
ZWJ+180A	(xxxx)	-	First Final Form
ZWJ+180A+FVS1	(xxxx)	-	Second Final Form

STATUS: Proposal #2

1820	(xxxx)	ᠸ	MONGOLIAN LETTER A
1820+FVS1		ᠸ (xx_)	Second Isolate Form
1820+ZWJ		ᠸ (xxxx)	First Initial Form
ZWJ+1820+ZWJ		ᠸ (xxxx)	First Medial Form
ZWJ+1820+FVS1+ZWJ		ᠸ (xx_)	Second Medial Form ^g
ZWJ+1820+FVS2+ZWJ		ᠸ (xx_)	Third Medial Form
(only implemented with NNBSP - actually - processed as initial in ACA suffix)			
ZWJ+1820		ᠸ (xxxx)	First Final Form
ZWJ+1820+FVS1		ᠸ (xx_)	Second Final Form
(only implemented with NNBSP - actually - processed as initial in ACA suffix)			
ZWJ+1820+FVS2		ᠸ (xx_)	Third Final Form
(orkhitz with leading space)			

1821	(x__)	Ӗ	MONGOLIAN LETTER E
1821+ZWJ		Ӗ (x__)	First Initial Form

1821+FVS1+ZWJ		Ӗ	Second Initial Form ^g
ZWJ+1821+ZWJ		Ӗ	Medial Form
ZWJ+1821		Ӗ	First Final Form
ZWJ+1821+FVS1		Ӗ	Second Final Form
(only implemented with NNBSP - actually - processed as initial in ACA suffix)			
ZWJ+1821+FVS2		Ӗ	Third Final Form
(orkhitz with leading space)			
1822	(x__)	Ӗ	MONGOLIAN LETTER I
1822+ZWJ		Ӗ (x__)	Initial Form
ZWJ+1822+ZWJ		Ӗ (x__)	First Medial Form
(also implemented with NNBSP - actually processed as initial with instrumental suffix)			
ZWJ+1822+FVS1+ZWJ		Ӗ (x__)	Second Medial Form ^g
ZWJ+1822+FVS2+ZWJ		Ӗ (x__)	Third Medial Form
STATUS: Proposal #3			(context-driven)
ZWJ+1822+FVS3+ZWJ		Ӗ (x__)	Fourth Medial Form
STATUS: Proposal #4			(needed to over-ride default context) (NAI+FVS2+MA)
ZWJ+1822		Ӗ (x__)	First Final Form
(also implemented with NNBSP - actually processed as isolate in accusative suffix)			
ZWJ+1822+FVS1		Ӗ (x__)	Second Final Form
STATUS: Proposal #5			
1823	(x_xx)	Ӗ	MONGOLIAN LETTER O
1823+ZWJ		Ӗ (x_xx)	Initial Form
ZWJ+1823+ZWJ		Ӗ (x_xx)	First Medial Form
ZWJ+1823+FVS1+ZWJ		Ӗ (x__)	Second Medial Form ^g
ZWJ+1823		Ӗ (x_xx)	First Final Form
ZWJ+1823+FVS1		Ӗ (x_xx)	Second Final Form ^g
1824	(x__)	Ӗ	MONGOLIAN LETTER U
1824		Ӗ (x__)	First Isolate Form
1824+FVS1		Ӗ (x__)	Second Isolate Form
STATUS: Proposal #22			(NOTE: this is also the Unicode presentation form)
1824+ZWJ		Ӗ (x__)	Initial Form ^g
ZWJ+1824+ZWJ		Ӗ (x__)	First Medial Form
(also implemented with NNBSP - actually processed as initial in genitive suffix)			
ZWJ+1824+FVS1+ZWJ		Ӗ (x__)	Second Medial Form ^g
ZWJ+1824		Ӗ (x__)	First Final Form
(also implemented with NNBSP - actually processed as isolate in genitive suffix)			
ZWJ+1824+FVS1		Ӗ (x__)	Second Final Form ^g
STATUS: Proposal #6			
ZWJ+1824+FVS2		Ӗ (x__)	Third Final Form
STATUS: Proposal #7			(dotted - only implemented with NNBSP - actually processed as isolate in genitive suffix)
1825	(x__)	Ӗ	MONGOLIAN LETTER OE
1825+ZWJ		Ӗ (x__)	Initial Form
ZWJ+1825+ZWJ		Ӗ (x__)	First Medial Form
ZWJ+1825+FVS1+ZWJ		Ӗ (x__)	Second Medial Form
(context-driven)			
ZWJ+1825+FVS2+ZWJ		Ӗ (x__)	Third Medial Form ^g
ZWJ+1825		Ӗ (x__)	First Final Form
ZWJ+1825+FVS1		Ӗ (x__)	Second Final Form ^g

1826	(x____)	ᠮ	MONGOLIAN LETTER UE		182B	(x____)	ᠥ	MONGOLIAN LETTER PA ^s																																																																																																																																																																																																																																																																																		
1826		ᠮ	(x____) First Isolate Form		182B+ZWJ		ᠥ	(x____) Initial Form																																																																																																																																																																																																																																																																																		
1826+FVS1		ᠮ	(x____) Second Isolate Form		ZWJ+182B+ZWJ		ᠥ	(x____) Medial Form																																																																																																																																																																																																																																																																																		
1826+FVS2		ᠮ	(x____) Third Isolate Form		ZWJ+182B		ᠥ	(x____) Final Form																																																																																																																																																																																																																																																																																		
STATUS: Proposal #23																																																																																																																																																																																																																																																																																										
1826+ZWJ		ᠮ	(x____) Initial Form [%]		182C	(x____)	ᠦ	MONGOLIAN LETTER QA																																																																																																																																																																																																																																																																																		
ZWJ+1826+ZWJ		ᠮ	(x____) First Medial Form (also implemented with NNBSP - actually processed as initial in genetive suffix)		182C+FVS1		ᠦ	(x____) Second Isolate Form [*]																																																																																																																																																																																																																																																																																		
ZWJ+1826+FVS1+ZWJ		ᠮ	(x____) Second Medial Form (context-driven)		182C+FVS2		ᠦ	(x____) Third Isolate Form [*]																																																																																																																																																																																																																																																																																		
ZWJ+1826+FVS2+ZWJ		ᠮ	(x____) Third Medial Form ^{&}		182C+ZWJ		ᠦ	(x____) First Initial Form																																																																																																																																																																																																																																																																																		
ZWJ+1826+FVS3+ZWJ		ᠮ	(x____) Fourth Medial Form		182C+FVS1+ZWJ		ᠦ	(x____) Second Initial Form ^{&}																																																																																																																																																																																																																																																																																		
STATUS: Proposal #8																																																																																																																																																																																																																																																																																										
ZWJ+1826		ᠥ	(needed to handle DUEGER without NNBSP - actually processed as isolate in genetive suffix)		182C+FVS2+ZWJ		ᠦ	(x____) Third Initial Form																																																																																																																																																																																																																																																																																		
ZWJ+1826+FVS1		ᠥ	(x____) First Final Form (also implemented with NNBSP - actually processed as isolate in genetive suffix)		STATUS: Called for by Ulaanbaatar, Mongolia as needed in QOIR																																																																																																																																																																																																																																																																																					
ZWJ+1826+FVS2		ᠥ	(x____) Second Final Form		ZWJ+182C+ZWJ		ᠦ	(x____) First Medial Form		ZWJ+182C	(x____)	ᠦ	(x____) Second Medial Form ^{&}	STATUS: Proposal #9									ZWJ+182C+FVS1+ZWJ		ᠦ	(x____) Third Medial Form		ZWJ+182C+FVS2+ZWJ		ᠦ	(x____) Third Medial Form (actually - processed as final when pre-MVS) (Chinese Standard has dotted variant first - however all fonts show non-dotted variant first)	ZWJ+182C+FVS2+ZWJ		ᠦ	(x____) Fourth Medial Form ^{&}		ZWJ+182C+FVS3+ZWJ		ᠦ	(x____) Fourth Medial Form ^{&} (actually - processed as final when pre-MVS) (Chinese Standard has dotted variant first - however all fonts show non-dotted variant first)										1827	(x____)	ᠮ	MONGOLIAN LETTER EE		182D	(x____)	ᠦ	MONGOLIAN LETTER GA	1827+ZWJ		ᠮ	(x____) Initial Form		182D+FVS1		ᠦ	(x____) Second Isolate Form [*] (Chinese Standard uses ZWJ instead of FVS)	ZWJ+1827+ZWJ		ᠮ	(x____) Medial Form		182D+FVS2		ᠦ	(x____) Third Isolate Form [*]	ZWJ+1827		ᠮ	(x____) Final Form		182D+ZWJ		ᠦ	(x____) First Initial Form	1828	(xxxx)	ᠤ	MONGOLIAN LETTER NA		182D+FVS1+ZWJ		ᠦ	(x____) Second Initial Form ^{&}	1828+ZWJ		ᠤ	(x____) First Initial Form (also context-driven in Todo)		182D+FVS2+ZWJ		ᠦ	(x____) Third Initial Form (context-driven)	1828+FVS1+ZWJ		ᠤ	(x____) Second Initial Form ^{&}		STATUS: Proposal #12									ZWJ+1828+ZWJ		ᠤ	(x____) First Medial Form (context-driven) (may be implemented as a toggle)		ZWJ+1828+FVS1+ZWJ		ᠤ	(x____) Second Medial Form (context-driven as a toggle, so in actuality could be dotted or undotted)		ZWJ+182D+ZWJ		ᠦ	(x____) First Medial Form		ZWJ+1828+FVS2+ZWJ		ᠤ	(x____) Third Medial Form (only implemented with MVS - actually - processed as final when pre-MVS)		ZWJ+182D+FVS1+ZWJ		ᠦ	(x____) Second Medial Form (context-driven)	ZWJ+1828+FVS3+ZWJ		ᠤ	(x____) Fourth Medial Form (context-driven, Todo only)		ZWJ+182D+FVS2+ZWJ		ᠦ	(x____) Third Medial Form (only implemented with MVS) (actually - processed as final when pre-MVS)	ZWJ+1828+FVS4+ZWJ		ᠤ	(x____) Fifth Medial Form <small>(AN+FVS4+AR must remove the dot)</small>		ZWJ+182D+FVS3+ZWJ		ᠦ	(x____) Fourth Medial Form (context-driven)	STATUS: Proposal #10									ZWJ+1828		ᠤ	(xxxx) Final Form		ZWJ+182D+FVS4+ZWJ		ᠦ	(x____) Fifth Medial Form (needed to over-ride default context) (COG+FVS4+A+FVS1+GULA)	1829	(x_xx)	ᠮ	MONGOLIAN LETTER ANG		STATUS: Proposal #13									1829+ZWJ		ᠮ	(x_xx) Initial Form		ZWJ+1829+ZWJ		ᠮ	(x_xx) Medial Form		ZWJ+182D		ᠦ	(x____) First Final Form (NOTE: error in Chinese Standard - missing)	ZWJ+1829		ᠮ	(x_xx) Final Form		ZWJ+182D+FVS1		ᠦ	(x____) Second Final Form (needed to over-ride default context) (SIG+FVS1)	182A	(x_xx)	ᠥ	MONGOLIAN LETTER BA ^s		ZWJ+182D+FVS2		ᠦ	(x____) Third Final Form (context-driven) (ABSIG+FVS2)	182A+ZWJ		ᠥ	(x_xx) Initial Form		182E	(x_xx)	ᠦ	MONGOLIAN LETTER MA	ZWJ+182A+ZWJ		ᠥ	(x_xx) Medial Form		182E+ZWJ		ᠦ	(x_xx) Initial Form	ZWJ+182A		ᠥ	(x_xx) First Final Form		ZWJ+182E+ZWJ		ᠦ	(x_xx) Medial Form	ZWJ+182A+FVS1		ᠥ	(x____) Second Final Form ^{&}		ZWJ+182E		ᠦ	(x_xx) Final Form (also implemented with MVS)										182F	(xxxx)	ᠦ	MONGOLIAN LETTER LA		182F	(xxxx)	ᠦ	MONGOLIAN LETTER LA	ZWJ+182F+ZWJ		ᠦ	(x____) Initial Form	
ZWJ+182C+ZWJ		ᠦ	(x____) First Medial Form		ZWJ+182C	(x____)	ᠦ	(x____) Second Medial Form ^{&}																																																																																																																																																																																																																																																																																		
STATUS: Proposal #9																																																																																																																																																																																																																																																																																										
ZWJ+182C+FVS1+ZWJ		ᠦ	(x____) Third Medial Form		ZWJ+182C+FVS2+ZWJ		ᠦ	(x____) Third Medial Form (actually - processed as final when pre-MVS) (Chinese Standard has dotted variant first - however all fonts show non-dotted variant first)																																																																																																																																																																																																																																																																																		
ZWJ+182C+FVS2+ZWJ		ᠦ	(x____) Fourth Medial Form ^{&}		ZWJ+182C+FVS3+ZWJ		ᠦ	(x____) Fourth Medial Form ^{&} (actually - processed as final when pre-MVS) (Chinese Standard has dotted variant first - however all fonts show non-dotted variant first)																																																																																																																																																																																																																																																																																		
1827	(x____)	ᠮ	MONGOLIAN LETTER EE		182D	(x____)	ᠦ	MONGOLIAN LETTER GA																																																																																																																																																																																																																																																																																		
1827+ZWJ		ᠮ	(x____) Initial Form		182D+FVS1		ᠦ	(x____) Second Isolate Form [*] (Chinese Standard uses ZWJ instead of FVS)																																																																																																																																																																																																																																																																																		
ZWJ+1827+ZWJ		ᠮ	(x____) Medial Form		182D+FVS2		ᠦ	(x____) Third Isolate Form [*]																																																																																																																																																																																																																																																																																		
ZWJ+1827		ᠮ	(x____) Final Form		182D+ZWJ		ᠦ	(x____) First Initial Form																																																																																																																																																																																																																																																																																		
1828	(xxxx)	ᠤ	MONGOLIAN LETTER NA		182D+FVS1+ZWJ		ᠦ	(x____) Second Initial Form ^{&}																																																																																																																																																																																																																																																																																		
1828+ZWJ		ᠤ	(x____) First Initial Form (also context-driven in Todo)		182D+FVS2+ZWJ		ᠦ	(x____) Third Initial Form (context-driven)																																																																																																																																																																																																																																																																																		
1828+FVS1+ZWJ		ᠤ	(x____) Second Initial Form ^{&}		STATUS: Proposal #12																																																																																																																																																																																																																																																																																					
ZWJ+1828+ZWJ		ᠤ	(x____) First Medial Form (context-driven) (may be implemented as a toggle)		ZWJ+1828+FVS1+ZWJ		ᠤ	(x____) Second Medial Form (context-driven as a toggle, so in actuality could be dotted or undotted)		ZWJ+182D+ZWJ		ᠦ	(x____) First Medial Form		ZWJ+1828+FVS2+ZWJ		ᠤ	(x____) Third Medial Form (only implemented with MVS - actually - processed as final when pre-MVS)		ZWJ+182D+FVS1+ZWJ		ᠦ	(x____) Second Medial Form (context-driven)	ZWJ+1828+FVS3+ZWJ		ᠤ	(x____) Fourth Medial Form (context-driven, Todo only)		ZWJ+182D+FVS2+ZWJ		ᠦ	(x____) Third Medial Form (only implemented with MVS) (actually - processed as final when pre-MVS)	ZWJ+1828+FVS4+ZWJ		ᠤ	(x____) Fifth Medial Form <small>(AN+FVS4+AR must remove the dot)</small>		ZWJ+182D+FVS3+ZWJ		ᠦ	(x____) Fourth Medial Form (context-driven)	STATUS: Proposal #10									ZWJ+1828		ᠤ	(xxxx) Final Form		ZWJ+182D+FVS4+ZWJ		ᠦ	(x____) Fifth Medial Form (needed to over-ride default context) (COG+FVS4+A+FVS1+GULA)	1829	(x_xx)	ᠮ	MONGOLIAN LETTER ANG		STATUS: Proposal #13									1829+ZWJ		ᠮ	(x_xx) Initial Form		ZWJ+1829+ZWJ		ᠮ	(x_xx) Medial Form		ZWJ+182D		ᠦ	(x____) First Final Form (NOTE: error in Chinese Standard - missing)	ZWJ+1829		ᠮ	(x_xx) Final Form		ZWJ+182D+FVS1		ᠦ	(x____) Second Final Form (needed to over-ride default context) (SIG+FVS1)	182A	(x_xx)	ᠥ	MONGOLIAN LETTER BA ^s		ZWJ+182D+FVS2		ᠦ	(x____) Third Final Form (context-driven) (ABSIG+FVS2)	182A+ZWJ		ᠥ	(x_xx) Initial Form		182E	(x_xx)	ᠦ	MONGOLIAN LETTER MA	ZWJ+182A+ZWJ		ᠥ	(x_xx) Medial Form		182E+ZWJ		ᠦ	(x_xx) Initial Form	ZWJ+182A		ᠥ	(x_xx) First Final Form		ZWJ+182E+ZWJ		ᠦ	(x_xx) Medial Form	ZWJ+182A+FVS1		ᠥ	(x____) Second Final Form ^{&}		ZWJ+182E		ᠦ	(x_xx) Final Form (also implemented with MVS)										182F	(xxxx)	ᠦ	MONGOLIAN LETTER LA		182F	(xxxx)	ᠦ	MONGOLIAN LETTER LA	ZWJ+182F+ZWJ		ᠦ	(x____) Initial Form																																																																																																																							
ZWJ+1828+FVS1+ZWJ		ᠤ	(x____) Second Medial Form (context-driven as a toggle, so in actuality could be dotted or undotted)		ZWJ+182D+ZWJ		ᠦ	(x____) First Medial Form																																																																																																																																																																																																																																																																																		
ZWJ+1828+FVS2+ZWJ		ᠤ	(x____) Third Medial Form (only implemented with MVS - actually - processed as final when pre-MVS)		ZWJ+182D+FVS1+ZWJ		ᠦ	(x____) Second Medial Form (context-driven)																																																																																																																																																																																																																																																																																		
ZWJ+1828+FVS3+ZWJ		ᠤ	(x____) Fourth Medial Form (context-driven, Todo only)		ZWJ+182D+FVS2+ZWJ		ᠦ	(x____) Third Medial Form (only implemented with MVS) (actually - processed as final when pre-MVS)																																																																																																																																																																																																																																																																																		
ZWJ+1828+FVS4+ZWJ		ᠤ	(x____) Fifth Medial Form <small>(AN+FVS4+AR must remove the dot)</small>		ZWJ+182D+FVS3+ZWJ		ᠦ	(x____) Fourth Medial Form (context-driven)																																																																																																																																																																																																																																																																																		
STATUS: Proposal #10																																																																																																																																																																																																																																																																																										
ZWJ+1828		ᠤ	(xxxx) Final Form		ZWJ+182D+FVS4+ZWJ		ᠦ	(x____) Fifth Medial Form (needed to over-ride default context) (COG+FVS4+A+FVS1+GULA)																																																																																																																																																																																																																																																																																		
1829	(x_xx)	ᠮ	MONGOLIAN LETTER ANG		STATUS: Proposal #13																																																																																																																																																																																																																																																																																					
1829+ZWJ		ᠮ	(x_xx) Initial Form		ZWJ+1829+ZWJ		ᠮ	(x_xx) Medial Form		ZWJ+182D		ᠦ	(x____) First Final Form (NOTE: error in Chinese Standard - missing)	ZWJ+1829		ᠮ	(x_xx) Final Form		ZWJ+182D+FVS1		ᠦ	(x____) Second Final Form (needed to over-ride default context) (SIG+FVS1)	182A	(x_xx)	ᠥ	MONGOLIAN LETTER BA ^s		ZWJ+182D+FVS2		ᠦ	(x____) Third Final Form (context-driven) (ABSIG+FVS2)	182A+ZWJ		ᠥ	(x_xx) Initial Form		182E	(x_xx)	ᠦ	MONGOLIAN LETTER MA	ZWJ+182A+ZWJ		ᠥ	(x_xx) Medial Form		182E+ZWJ		ᠦ	(x_xx) Initial Form	ZWJ+182A		ᠥ	(x_xx) First Final Form		ZWJ+182E+ZWJ		ᠦ	(x_xx) Medial Form	ZWJ+182A+FVS1		ᠥ	(x____) Second Final Form ^{&}		ZWJ+182E		ᠦ	(x_xx) Final Form (also implemented with MVS)										182F	(xxxx)	ᠦ	MONGOLIAN LETTER LA		182F	(xxxx)	ᠦ	MONGOLIAN LETTER LA	ZWJ+182F+ZWJ		ᠦ	(x____) Initial Form																																																																																																																																																																																																	
ZWJ+1829+ZWJ		ᠮ	(x_xx) Medial Form		ZWJ+182D		ᠦ	(x____) First Final Form (NOTE: error in Chinese Standard - missing)																																																																																																																																																																																																																																																																																		
ZWJ+1829		ᠮ	(x_xx) Final Form		ZWJ+182D+FVS1		ᠦ	(x____) Second Final Form (needed to over-ride default context) (SIG+FVS1)																																																																																																																																																																																																																																																																																		
182A	(x_xx)	ᠥ	MONGOLIAN LETTER BA ^s		ZWJ+182D+FVS2		ᠦ	(x____) Third Final Form (context-driven) (ABSIG+FVS2)																																																																																																																																																																																																																																																																																		
182A+ZWJ		ᠥ	(x_xx) Initial Form		182E	(x_xx)	ᠦ	MONGOLIAN LETTER MA																																																																																																																																																																																																																																																																																		
ZWJ+182A+ZWJ		ᠥ	(x_xx) Medial Form		182E+ZWJ		ᠦ	(x_xx) Initial Form																																																																																																																																																																																																																																																																																		
ZWJ+182A		ᠥ	(x_xx) First Final Form		ZWJ+182E+ZWJ		ᠦ	(x_xx) Medial Form																																																																																																																																																																																																																																																																																		
ZWJ+182A+FVS1		ᠥ	(x____) Second Final Form ^{&}		ZWJ+182E		ᠦ	(x_xx) Final Form (also implemented with MVS)																																																																																																																																																																																																																																																																																		
182F	(xxxx)	ᠦ	MONGOLIAN LETTER LA		182F	(xxxx)	ᠦ	MONGOLIAN LETTER LA																																																																																																																																																																																																																																																																																		
ZWJ+182F+ZWJ		ᠦ	(x____) Initial Form																																																																																																																																																																																																																																																																																							

ZWJ+182F+ZWJ	ᠤ <small>(xxxx)</small>	<i>Medial Form</i>	ZWJ+1836	ᠥ <small>(__)</small>	<i>Final Form</i>
ZWJ+182F	ᠦ <small>(xxxx)</small>	<i>Final Form</i> <small>(also implemented with MVS)</small>	1837 (xxx_)	ᠧ	MONGOLIAN LETTER RA
1830 (xxxx) ᠨ	MONGOLIAN LETTER SA	1837+ZWJ	ᠨ <small>(xxx)</small>	<i>Initial Form</i>	
1830+ZWJ	ᠨ <small>(xxxx)</small>	ZWJ+1837+ZWJ	ᠨ <small>(xxx_)</small>	<i>Medial Form</i>	
ZWJ+1830+ZWJ	ᠨ <small>(xxx)</small>	ZWJ+1837	ᠨ <small>(xxx_)</small>	<i>Final Form</i> <small>(also implemented with MVS)</small>	
ZWJ+1830	᠊ <small>(xxxx)</small>	1838 (xxxx) ᠩ	MONGOLIAN LETTER WA		
ZWJ+1830+FVS1	᠊ <small>(x_)</small>	1838+ZWJ	ᠩ <small>(xxxx)</small>	<i>Initial Form</i>	
ZWJ+1830+FVS2	᠊ <small>(__x)</small>	ZWJ+1838+ZWJ	ᠩ <small>(xxxx)</small>	<i>First Medial Form</i>	
1831 (xx_) ᠪ	MONGOLIAN LETTER SHA	ZWJ+1838+FVS1+ZWJ	ᠩ <small>(x_)</small>	<i>Second Medial Form</i> <small>(context-driven)</small>	
1831+ZWJ	ᠪ <small>(xx_)</small>	ZWJ+1838	ᠩ <small>(x_)</small>	<i>First Final Form</i>	
ZWJ+1831+ZWJ	ᠪ <small>(xx_)</small>	ZWJ+1838+FVS1	ᠩ <small>(x_)</small>	<i>Second Final Form</i> <small>(only implemented with MVS)</small>	
ZWJ+1831	ᠪ <small>(xx_)</small>	1839 (x_) ᠫ	MONGOLIAN LETTER FA ^{\$}		
1832 (x_) ᠬ	MONGOLIAN LETTER TA	1839+ZWJ	ᠫ <small>(x_)</small>	<i>Initial Form</i>	
1832+ZWJ	ᠬ <small>(x_)</small>	ZWJ+1839+ZWJ	ᠫ <small>(x_)</small>	<i>Medial Form</i>	
ZWJ+1832+ZWJ	ᠬ <small>(x_)</small>	ZWJ+1839	ᠫ <small>(x_)</small>	<i>Final Form</i>	
ZWJ+1832+FVS1+ZWJ	ᠬ <small>(x_)</small>	183A (xxxx) ᠳ	MONGOLIAN LETTER KA ^{\$}		
ZWJ+1832	ᠬ <small>(x_)</small>	183A+ZWJ	ᠳ <small>(xxxx)</small>	<i>Initial Form</i>	
1833 (x_) ᠶ	MONGOLIAN LETTER DA	ZWJ+183A+ZWJ	ᠳ <small>(xxxx)</small>	<i>Medial Form</i>	
1833+ZWJ	ᠶ <small>(x_)</small>	ZWJ+183A	ᠳ <small>(x_)</small>	<i>Final Form</i>	
1833+FVS1+ZWJ	ᠶ <small>(x_)</small>	183B (xx_) ᠸ	MONGOLIAN LETTER KHA ^{\$}		
ZWJ+1833+ZWJ	ᠶ <small>(x_)</small>	183B+ZWJ	ᠸ <small>(xx_)</small>	<i>Initial Form</i>	
ZWJ+1833+FVS1+ZWJ	ᠶ <small>(x_)</small>	ZWJ+183B+ZWJ	ᠸ <small>(xx_)</small>	<i>Medial Form</i>	
ZWJ+1833	ᠶ <small>(x_)</small>	ZWJ+183B	ᠸ <small>(xx_)</small>	<i>Final Form</i>	
ZWJ+1833+FVS1	ᠶ <small>(x_)</small>	183C (x_) ᠱ	MONGOLIAN LETTER TSA		
1834 (xxxx) ᠱ	MONGOLIAN LETTER CHA	183C+ZWJ	ᠱ <small>(x_)</small>	<i>Initial Form</i>	
1834+ZWJ	ᠱ <small>(xxxx)</small>	ZWJ+183C+ZWJ	ᠱ <small>(x_)</small>	<i>Medial Form</i>	
ZWJ+1834+ZWJ	ᠱ <small>(xxxx)</small>	ZWJ+183C	ᠱ <small>(x_)</small>	<i>Final Form</i>	
ZWJ+1834	ᠱ <small>(x_)</small>	183D (x_) ᠳ	MONGOLIAN LETTER ZA		
1835 (x_x) ᠳ	MONGOLIAN LETTER JA	183D+ZWJ	ᠳ <small>(x_)</small>	<i>Initial Form</i>	
1835+ZWJ	ᠳ <small>(x_x)</small>	ZWJ+183D+ZWJ	ᠳ <small>(x_)</small>	<i>Medial Form</i>	
ZWJ+1835+ZWJ	ᠳ <small>(x_x)</small>	ZWJ+183D	ᠳ <small>(x_)</small>	<i>Final Form</i>	
ZWJ+1835	ᠳ <small>(x_x)</small>	183E (x_) ᠹ	MONGOLIAN LETTER HAA		
1835+ZWJ	ᠹ <small>(x_x)</small>	183E+ZWJ	ᠹ <small>(x_)</small>	<i>Initial Form</i>	
ZWJ+1835+ZWJ	ᠹ <small>(x_x)</small>	ZWJ+183E+ZWJ	ᠹ <small>(x_)</small>	<i>Medial Form</i>	
ZWJ+1835+FVS1+ZWJ	ᠹ <small>(x_x)</small>	ZWJ+183E	ᠹ <small>(x_)</small>	<i>Final Form</i>	
ZWJ+1835	ᠹ <small>(x_x)</small>	183F (x_) ᠳ	MONGOLIAN LETTER ZRA		
1836 (x_xx) ᠳ	MONGOLIAN LETTER YA	183F+ZWJ	ᠳ <small>(x_)</small>	<i>Initial Form</i>	
1836+ZWJ	ᠳ <small>(x_xx)</small>	ZWJ+183F+ZWJ	ᠳ <small>(x_)</small>	<i>Medial Form</i>	
1836+FVS1+ZWJ	ᠳ <small>(x_xx)</small>	ZWJ+183F	ᠳ <small>(x_)</small>	<i>Final Form</i>	
ZWJ+1836+ZWJ	ᠳ <small>(x_xx)</small>	1837 (xxx_) ᠧ	MONGOLIAN LETTER RA		
ZWJ+1836+FVS1+ZWJ	ᠳ <small>(x_xx)</small>	1837+ZWJ	ᠧ <small>(xxx)</small>	<i>Initial Form</i>	
ZWJ+1836+FVS1+ZWJ <small>(context-driven AND also needed to over-ride default context)</small>	ᠳ <small>(x_xx)</small>	ZWJ+1837+ZWJ	ᠧ <small>(xxx_)</small>	<i>Medial Form</i>	
ZWJ+1836+FVS2+ZWJ	ᠳ <small>(x_xx)</small>	ZWJ+1837	ᠧ <small>(xxx_)</small>	<i>Final Form</i> <small>(also implemented with MVS)</small>	

			(context-driven)
1840	(xx_)	ᠮ	MONGOLIAN LETTER LHA
1840+ZWJ		ᠮ (xx_)	<i>Initial Form</i>
ZWJ+1840+ZWJ		ᠮ (xx_)	<i>Medial Form</i>
ZWJ+1840		ᠮ ()	<i>Final Form</i>
1841	(x_)	ᠮ	MONGOLIAN LETTER ZHI
1841+ZWJ		ᠮ (x_)	<i>Initial Form</i>
ZWJ+1841+ZWJ		ᠮ (x_)	<i>Medial Form</i>
ZWJ+1841		ᠮ ()	<i>Final Form</i>
1842	(x_)	ᠮ	MONGOLIAN LETTER CHI
1842+ZWJ		ᠮ (x_)	<i>Initial Form</i>
ZWJ+1842+ZWJ		ᠮ (x_)	<i>Medial Form</i>
ZWJ+1842		ᠮ ()	<i>Final Form</i>
Todo Letters			
1843	(x_)	ᠮ	MONGOLIAN LETTER TODO LONG VOWEL SIGN
1843+ZWJ		ᠮ (x_)	<i>Initial Form</i>
ZWJ+1843+ZWJ		ᠮ (x_)	<i>Medial Form</i>
ZWJ+1843		ᠮ (x_)	<i>First Final Form</i>
ZWJ+1843+FVS1		ᠮ (x_)	<i>Second Final Form</i>
STATUS: Proposal #14			
1844	(x_)	ᠮ	MONGOLIAN LETTER TODO E
1844+ZWJ		ᠮ (x_)	<i>Initial Form</i>
ZWJ+1844+ZWJ		ᠮ (x_)	<i>First Medial Form</i>
ZWJ+1844+FVS1+ZWJ		ᠮ (x_)	<i>Second Medial Form</i> ^g
ZWJ+1844		ᠮ ()	<i>Final Form</i>
1845	(x_)	ᠮ	MONGOLIAN LETTER TODO I
1845+ZWJ		ᠮ (x_)	<i>Initial Form</i>
ZWJ+1845+ZWJ		ᠮ (x_)	<i>First Medial Form</i>
ZWJ+1845+FVS1+ZWJ		ᠮ (x_)	<i>Second Medial Form</i>
ZWJ+1845		ᠮ (x_)	<i>Final Form</i>
1846	(x_)	ᠮ	MONGOLIAN LETTER TODO O
1846+ZWJ		ᠮ (x_)	<i>Initial Form</i>
ZWJ+1846+ZWJ		ᠮ (x_)	<i>First Medial Form</i>
ZWJ+1846+FVS1+ZWJ		ᠮ (x_)	<i>Second Medial Form</i> ^g
ZWJ+1846		ᠮ ()	<i>Final Form</i>
1847	(x_)	ᠮ	MONGOLIAN LETTER TODO U
1847+FVS1		ᠮ (x_)	<i>Second Isolate Form</i>
1847+ZWJ		ᠮ (x_)	<i>Initial Form</i>
ZWJ+1847+ZWJ		ᠮ (x_)	<i>First Medial Form</i>
ZWJ+1847+FVS1+ZWJ		ᠮ (x_)	<i>Second Medial Form</i> ^g
ZWJ+1847+FVS2+ZWJ		ᠮ (x_)	<i>Third Medial Form</i>
			(context-driven)
1848	(x_)	ᠮ	MONGOLIAN LETTER TODO OE
ZWJ+1847		ᠮ (x_)	<i>First Final Form</i>
ZWJ+1847+FVS1		ᠮ (x_)	<i>Second Final Form</i>
(context-driven)			
1849	(x_)	ᠮ	MONGOLIAN LETTER TODO UE
1849+FVS1		ᠮ (x_)	<i>Second Isolate Form</i>
1849+ZWJ		ᠮ (x_)	<i>Initial Form</i>
ZWJ+1849+ZWJ		ᠮ (x_)	<i>First Medial Form</i>
ZWJ+1849+FVS1+ZWJ		ᠮ (x_)	<i>Second Medial Form</i> ^g
ZWJ+1849		ᠮ (x_)	<i>Final Form</i>
184A	(x_)	ᠮ	MONGOLIAN LETTER TODO ANG
184A		ᠮ (x_)	<i>Isolate Form</i>
184A+ZWJ		ᠮ ()	<i>Initial Form</i>
ZWJ+184A+ZWJ		ᠮ (x_)	<i>Medial Form</i>
ZWJ+184A		ᠮ (x_)	<i>Final Form</i> ^g
184B	(x_)	ᠮ	MONGOLIAN LETTER TODO BA
184B		ᠮ (x_)	<i>Isolate Form</i>
184B+ZWJ		ᠮ (x_)	<i>Initial Form</i>
ZWJ+184B+ZWJ		ᠮ (x_)	<i>Medial Form</i>
ZWJ+184B		ᠮ (x_)	<i>Final Form</i> ^g
184C	(x_)	ᠮ	MONGOLIAN LETTER TODO PA ^s
184C+ZWJ		ᠮ (x_)	<i>Initial Form</i>
ZWJ+184C+ZWJ		ᠮ (x_)	<i>Medial Form</i>
ZWJ+184C		ᠮ (x_)	<i>Final Form</i>
184D	(x_)	ᠮ	MONGOLIAN LETTER TODO QA
184D+FVS1		ᠮ (x_)	<i>Second Isolate Form</i> ^g
STATUS: Proposal #24			
184D+ZWJ		ᠮ (x_)	<i>Initial Form</i>
ZWJ+184D+ZWJ		ᠮ (x_)	<i>Medial Form</i>
ZWJ+184D		ᠮ (x_)	<i>Final Form</i>
184E	(x_)	ᠮ	MONGOLIAN LETTER TODO GA
184E+FVS1		ᠮ (x_)	<i>Second Isolate Form</i> ^g
STATUS: Proposal #25			
184E+ZWJ		ᠮ (x_)	<i>Initial Form</i>
ZWJ+184E+ZWJ		ᠮ (x_)	<i>First Medial Form</i>
ZWJ+184E+FVS1+ZWJ		ᠮ (x_)	<i>Second Medial Form</i>
ZWJ+184E		ᠮ (x_)	<i>Final Form</i>
184F	(x_)	ᠮ	MONGOLIAN LETTER TODO MA
184F		ᠮ (x_)	<i>Isolate Form</i>

184F+ZWJ	ᡩ (x_)	<i>Initial Form</i>	1859+ZWJ	ᡱ (x_)	<i>Initial Form</i>
ZWJ+184F+ZWJ	ᡫ (x_)	<i>Medial Form</i>	ZWJ+1859+ZWJ	ᡱ (x_)	<i>Medial Form</i>
ZWJ+184F	ᡮ (x_)	<i>Final Form</i> [%]	ZWJ+1859	ᡱ (x_)	<i>Final Form</i> [%]
1850 (x_)	ᡲ	MONGOLIAN LETTER TODO TA	185A (x_)	ᡲ	MONGOLIAN LETTER TODO JIA
1850+ZWJ	ᡲ (x_)	<i>Initial Form</i>	185A+ZWJ	ᡲ (x_)	<i>Initial Form</i>
ZWJ+1850+ZWJ	ᡲ (x_)	<i>Medial Form</i>	ZWJ+185A+ZWJ	ᡲ (x_)	<i>Medial Form</i>
ZWJ+1850	ᡲ (x_)	<i>Final Form</i>	ZWJ+185A	ᡲ (x_)	<i>Final Form</i>
1851 (x_)	ᡳ	MONGOLIAN LETTER TODO DA	185B (xx_)	ᡳ	MONGOLIAN LETTER TODO NIA
1851+ZWJ	ᡳ (x_)	<i>Initial Form</i>	185B+ZWJ	ᡳ (xx_)	<i>Initial Form</i> ²
ZWJ+1851+ZWJ	ᡳ (x_)	<i>Medial Form</i>	ZWJ+185B+ZWJ	ᡳ (xx_)	<i>Medial Form</i>
ZWJ+1851	ᡳ (x_)	<i>Final Form</i>	ZWJ+185B	ᡳ (x_)	<i>Final Form</i>
1852 (x_)	ᡴ	MONGOLIAN LETTER TODO CHA	185C (xx_)	ᡴ	MONGOLIAN LETTER TODO DZA
1852+ZWJ	ᡴ (x_)	<i>Initial Form</i>	185C+ZWJ	ᡴ (xx_)	<i>Initial Form</i>
ZWJ+1852+ZWJ	ᡴ (x_)	<i>Medial Form</i>	ZWJ+185C+ZWJ	ᡴ (xx_)	<i>Medial Form</i>
ZWJ+1852	ᡴ (x_)	<i>Final Form</i>	ZWJ+185C	ᡴ (x_)	<i>Final Form</i>
1853 (xx_)	ᡵ	MONGOLIAN LETTER TODO JA			Sibe Letters
1853+ZWJ	ᡵ (xx_)	<i>Initial Form</i>	185D (xx_)	ᡶ	MONGOLIAN LETTER SIBE E
ZWJ+1853+ZWJ	ᡵ (xx_)	<i>Medial Form</i>	185D	ᡷ (xx_)	<i>Isolate Form</i>
ZWJ+1853	ᡵ (x_)	<i>Final Form</i>	185D+ZWJ	ᡷ (xx_)	<i>Initial Form</i>
1854 (x_)	ᡷ	MONGOLIAN LETTER TODO TSA	ZWJ+185D+ZWJ	ᡷ (xx_)	<i>First Medial Form</i>
1854+ZWJ	ᡷ (x_)	<i>Initial Form</i>	ZWJ+185D+FVS1+ZWJ	ᡷ (xx_)	<i>Second Medial Form</i>
ZWJ+1854+ZWJ	ᡷ (x_)	<i>Medial Form</i>	ZWJ+185D	ᡷ (xx_)	<i>First Final Form</i> [%]
ZWJ+1854	ᡷ (x_)	<i>Final Form</i>	ZWJ+185D+FVS1	ᡷ (xx_)	<i>Second Final Form</i>
1855 (x_)	ᡸ	MONGOLIAN LETTER TODO YA			
1855+ZWJ	ᡸ (x_)	<i>Initial Form</i>	185E (x_)	᡹	MONGOLIAN LETTER SIBE I
ZWJ+1855+ZWJ	ᡸ (x_)	<i>Medial Form</i>	185E	᡹ (x_)	<i>Isolate Form</i>
ZWJ+1855	ᡸ (x_)	<i>Final Form</i>	185E+ZWJ	᡹ (x_)	<i>Initial Form</i>
1856 (x_)	᡺	MONGOLIAN LETTER TODO WA	ZWJ+185E+ZWJ	᡹ (x_)	<i>First Medial Form</i>
1856+ZWJ	᡺ (x_)	<i>Initial Form</i>	ZWJ+185E+FVS1+ZWJ	᡹ (x_)	<i>Second Medial Form</i> [%]
ZWJ+1856+ZWJ	᡺ (x_)	<i>Medial Form</i>	ZWJ+185E+FVS2+ZWJ	᡹ (x_)	<i>Third Medial Form</i>
ZWJ+1856	᡺ (x_)	<i>Final Form</i>	ZWJ+185E	᡹ (x_)	<i>First Final Form</i>
1857 (x_)	᡻	MONGOLIAN LETTER TODO KA ^s	ZWJ+185E+FVS1	᡹ (x_)	<i>(also implemented with NNBSP, actually processed as isolate in accusative suffix)</i>
1857+ZWJ	᡻ (x_)	<i>Initial Form</i>	ZWJ+185E+FVS2	᡹ (x_)	<i>Second Final Form</i>
ZWJ+1857+ZWJ	᡻ (x_)	<i>Medial Form</i>		᡹ (x_)	<i>Third Final Form</i>
ZWJ+1857	᡻ (x_)	<i>Final Form</i>			
1858 (xx_)	᡼	MONGOLIAN LETTER TODO GAA ^s	185F (xx_)	᡽	MONGOLIAN LETTER SIBE IY
1858+ZWJ	᡼ (xx_)	<i>Initial Form</i>	185F+ZWJ	᡽ (x_)	<i>Initial Form</i>
ZWJ+1858+ZWJ	᡼ (xx_)	<i>Medial Form</i>	ZWJ+185F+ZWJ	᡽ (xx_)	<i>Medial Form</i>
ZWJ+1858	᡼ (x_)	<i>Final Form</i>	ZWJ+185F	᡽ (xx_)	<i>Final Form</i>
1859 (x_)	᡽	MONGOLIAN LETTER TODO HAA	1860 (xx_)	᡽	MONGOLIAN LETTER SIBE UE
1859	᡽ (x_)	<i>Isolate Form</i>	1860+ZWJ	᡽ (xx_)	<i>Initial Form</i>
			ZWJ+1860+ZWJ	᡽ (xx_)	<i>First Medial Form</i>

ZWJ+1860+FVS1+ZWJ	ሮ (＿xx) <i>Second Medial Form</i> <small>(context-driven)</small>	1868 (＿xx) ቻ MONGOLIAN LETTER SIBE TA 1868+ZWJ 1868+FVS1+ZWJ ZWJ+1868+ZWJ ZWJ+1868+FVS1+ZWJ ZWJ+1868+FVS2+ZWJ <small>STATUS: Proposal #20</small> <small>(context-driven)</small>
ZWJ+1860	ሱ (＿xx) <i>First Final Form</i>	ቻ (＿xx) <i>First Initial Form</i>
ZWJ+1860+FVS1	ሲ (＿xx) <i>Second Final Form</i> <small>(context-driven)</small>	ቻ (＿xx) <i>Second Initial Form</i> <small>(context-driven)</small>
ZWJ+1860+FVS2	ሳ (＿xx) <i>Third Final Form</i> <small>(context-driven)</small>	ቻ (＿xx) <i>First Medial Form</i>
<small>STATUS: Proposal #20</small>		ቻ (＿xx) <i>Second Medial Form</i> <small>(context-driven)</small>
1861 (＿xx) ሸ MONGOLIAN LETTER SIBE U	ሸ (＿x) <i>Isolate Form</i>	ቻ (＿xx) <i>Third Medial Form</i> <small>(no context currently - more research needed here)</small>
1861	ሸ (＿x) <i>Initial Form</i>	ቻ (＿xx) <i>Final Form</i>
1861+ZWJ	ሸ (＿xx) <i>Medial Form</i> [%]	
ZWJ+1861+ZWJ	ሸ (＿xx) <i>Final Form</i>	
ZWJ+1861		
1862 (＿x) ሹ MONGOLIAN LETTER SIBE ANG	ሹ (＿x) <i>Isolate Form</i>	1869 (＿xx) ቻ MONGOLIAN LETTER SIBE DA
1862	ሹ (＿x) <i>Initial Form</i>	1869+ZWJ ቻ (＿xx) <i>First Initial Form</i>
1862+ZWJ	ሹ (＿x) <i>Medial Form</i>	1869+FVS1+ZWJ ቻ (＿xx) <i>Second Initial Form</i> <small>(context-driven and also NNBSF)</small>
ZWJ+1862+ZWJ	ሹ (＿x) <i>Final Form</i> [%]	ZWJ+1869+ZWJ ቻ (＿xx) <i>First Medial Form</i>
ZWJ+1862		ZWJ+1869+FVS1+ZWJ ቻ (＿xx) <i>Second Medial Form</i> <small>(context-driven)</small>
1863 (＿x) ሺ MONGOLIAN LETTER SIBE KA	ሺ (＿x) <i>Final Form</i> [%]	ZWJ+1869 ቻ (＿x) <i>Final Form</i>
1863	ሺ (＿x) <i>First Isolate Form</i>	186A (＿x) ሻ MONGOLIAN LETTER SIBE JA
1863+FVS1	ሺ (＿x) <i>Second Isolate Form</i>	186A+ZWJ ሻ (＿x) <i>Initial Form</i>
<small>STATUS: Proposal #15</small>		ZWJ+186A+ZWJ ሻ (＿x) <i>Medial Form</i>
1863+ZWJ	ሺ (＿x) <i>Initial Form</i>	ZWJ+186A ሻ (＿x) <i>Final Form</i>
ZWJ+1863+ZWJ	ሺ (＿x) <i>First Medial Form</i>	
ZWJ+1863+FVS1+ZWJ	ሺ (＿x) <i>Second Medial Form</i> <small>(context-driven)</small>	186B (＿x) ሻ MONGOLIAN LETTER SIBE FA
ZWJ+1863	ሺ (＿x) <i>Final Form</i> [%]	186B+ZWJ ሻ (＿x) <i>Initial Form</i>
1864 (＿xx) ሻ MONGOLIAN LETTER SIBE GA	ሻ (＿xx) <i>Second Isolate Form</i>	ZWJ+186B+ZWJ ሻ (＿x) <i>Medial Form</i>
1864+FVS1	ሻ (＿xx) <i>Initial Form</i>	ZWJ+186B ሻ (＿x) <i>Final Form</i>
<small>STATUS: Proposal #16</small>	ሻ (＿xx) <i>Medial Form</i>	
1864+ZWJ	ሻ (＿xx) <i>Final Form</i>	186C (＿xx) ሻ MONGOLIAN LETTER SIBE GAA ^s
ZWJ+1864+ZWJ	ሻ (＿xx) <i>First Isolate Form</i>	186C+ZWJ ሻ (＿xx) <i>Initial Form</i>
ZWJ+1864	ሻ (＿xx) <i>Second Isolate Form</i>	ZWJ+186C+ZWJ ሻ (＿xx) <i>Medial Form</i>
	ሻ (＿x) <i>Medial Form</i>	ZWJ+186C ሻ (＿x) <i>Final Form</i>
1865 (＿xx) ሻ MONGOLIAN LETTER SIBE HA	ሻ (＿xx) <i>Final Form</i>	186D (＿xx) ሻ MONGOLIAN LETTER SIBE HAA ^s
1865+FVS1	ሻ (＿xx) <i>First Isolate Form</i>	186D+ZWJ ሻ (＿xx) <i>Initial Form</i>
<small>STATUS: Proposal #17</small>	ሻ (＿xx) <i>Second Isolate Form</i>	ZWJ+186D+ZWJ ሻ (＿xx) <i>Medial Form</i>
1865+ZWJ	ሻ (＿xx) <i>Initial Form</i>	ZWJ+186D ሻ (＿x) <i>Final Form</i>
ZWJ+1865+ZWJ	ሻ (＿xx) <i>Medial Form</i>	
ZWJ+1865	ሻ (＿x) <i>Final Form</i>	186E (＿xx) ሻ MONGOLIAN LETTER SIBE TSA
1866 (＿xx) ሻ MONGOLIAN LETTER SIBE PA ^s	ሻ (＿xx) <i>Initial Form</i>	186E+ZWJ ሻ (＿xx) <i>Initial Form</i>
1866+ZWJ	ሻ (＿xx) <i>Medial Form</i>	ZWJ+186E+ZWJ ሻ (＿xx) <i>Medial Form</i>
ZWJ+1866+ZWJ	ሻ (＿x) <i>Final Form</i>	ZWJ+186E ሻ (＿xx) <i>Final Form</i>
ZWJ+1866		
1867 (＿xx) ሻ MONGOLIAN LETTER SIBE SHA	ሻ (＿xx) <i>Initial Form</i>	186F (＿xx) ሻ MONGOLIAN LETTER SIBE ZA
1867+ZWJ	ሻ (＿xx) <i>Medial Form</i>	186F+ZWJ ሻ (＿xx) <i>First Initial Form</i>
ZWJ+1867+ZWJ	ሻ (＿x) <i>Final Form</i>	186F+FVS1+ZWJ ሻ (＿xx) <i>Second Initial Form</i> <small>(context-driven)</small>
ZWJ+1867		ZWJ+186F+ZWJ ሻ (＿xx) <i>First Medial Form</i>
		ZWJ+186F+FVS1+ZWJ ሻ (＿xx) <i>Second Medial Form</i> <small>(context-driven)</small>
		ZWJ+186F ሻ (＿xx) <i>Final Form</i>

1870	(__xx)	ᠮ	MONGOLIAN LETTER SIBE RAA	ZWJ+1875	ᠵ	ᠮ	<i>Final Form</i> [%]
1870+ZWJ		ᠮ	<i>Initial Form</i>	1876	(__x)	ᠵ	MONGOLIAN LETTER MANCHU FA
ZWJ+1870+ZWJ		ᠮ	<i>Medial Form</i>	1876		ᠵ	<i>Isolate Form</i>
ZWJ+1870		ᠮ	<i>Final Form</i>	1876+ZWJ		ᠵ	<i>First Initial Form</i>
1871	(__xx)	ᡩ	MONGOLIAN LETTER SIBE CHA	1876+FVS1+ZWJ		ᠵ	<i>Second Initial Form</i>
1871+ZWJ		ᡩ	<i>Initial Form</i>	ZWJ+1876+ZWJ		ᠵ	<i>(context-driven) First Medial Form</i> [%]
ZWJ+1871+ZWJ		ᡩ	<i>Medial Form</i>	ZWJ+1876+FVS1+ZWJ		ᠵ	<i>(context-driven) Second Medial Form</i>
ZWJ+1871		ᡩ	<i>Final Form</i>	ZWJ+1876		ᠵ	<i>Final Form</i>
1872	(__x)	ᡩ	MONGOLIAN LETTER SIBE ZHA	1877	(__x)	ᡩ	MONGOLIAN LETTER MANCHU ZHA
1872+ZWJ		ᡩ	<i>Initial Form</i>	1877+ZWJ		ᡩ	<i>Initial Form</i>
ZWJ+1872+ZWJ		ᡩ	<i>Medial Form</i>	ZWJ+1877+ZWJ		ᡩ	<i>Medial Form</i>
ZWJ+1872		ᡩ	<i>Final Form</i>	ZWJ+1877		ᡩ	<i>Final Form</i>
Manchu Letters							
1873	(__x)	ᡮ	MONGOLIAN LETTER MANCHU I	1878	<reserved>		
1873		ᡮ	<i>Isolate Form</i>	1879	<reserved>		
1873+ZWJ		ᡮ	<i>Initial Form</i>	187A	<reserved>		
ZWJ+1873+ZWJ		ᡮ	<i>First Medial Form</i>	187B	<reserved>		
ZWJ+1873+FVS1+ZWJ		ᡮ	<i>Second Medial Form</i>	187C	<reserved>		
ZWJ+1873+FVS2+ZWJ		ᡮ	<i>(context-driven) Third Medial Form</i> [%]	187D	<reserved>		
ZWJ+1873+FVS3+ZWJ		ᡮ	<i>Fourth Medial Form</i>	187E	<reserved>		
ZWJ+1873		ᡮ	<i>First Final Form</i>	187F	<reserved>		
ZWJ+1873+FVS1		ᡮ	<i>(also implemented with NNBSP - actually processed as isolate in accusative suffix)</i>				
ZWJ+1873+FVS2		ᡮ	<i>Second Final Form</i>				
ZWJ+1873+FVS3		ᡮ	<i>Third Final Form</i>				
		ᡮ	<i>Fourth Final Form</i>				
			<i>(context-driven) [not in current USVL]</i>				
1874	(__x)	ᡮ	MONGOLIAN LETTER MANCHU KA				
1874		ᡮ	<i>First Isolate Form</i>				
1874+FVS1		ᡮ	<i>Second Isolate Form</i>				
STATUS: Proposal #18							
1874+ZWJ		ᡮ	<i>Initial Form</i>	1880	(xx_x)	○	MONGOLIAN LETTER ALI GALI ANUSVARA
ZWJ+1874+ZWJ		ᡮ	<i>First Medial Form</i>	1880+FVS1		○	<i>(xx_x) Second Form</i>
ZWJ+1874+FVS1+ZWJ		ᡮ	<i>Second Medial Form</i>	1881	(xx_x)	∞	MONGOLIAN LETTER ALI GALI VISARGA
ZWJ+1874+FVS2+ZWJ		ᡮ	<i>(context-driven) Third Medial Form</i>	1881+FVS1		∞	<i>(xx_x) Second Form</i>
ZWJ+1874+FVS3+ZWJ		ᡮ	<i>(context-driven) Fourth Medial Form</i>	1882	(xx_x)	ᬁ	MONGOLIAN LETTER ALI GALI DAMARU
ZWJ+1874		ᡮ	<i>First Final Form</i> [%]	1883	(xx_x)	ᜃ	MONGOLIAN LETTER ALI GALI UBADAMA
ZWJ+1874+FVS1		ᡮ	<i>Second Final Form</i>	1884	(xx_x)	ᜄ	MONGOLIAN LETTER ALI GALI INVERTED UBADAMA
ZWJ+1874+FVS2		ᡮ	<i>Third Final Form</i>	1887	(xx_x)	ᜅ	MONGOLIAN LETTER ALI GALI A
		ᡮ	<i>(context-driven) Fourth Final Form</i>	1887+ZWJ		ᜅ	<i>Initial Form</i>
				ZWJ+1887+ZWJ		ᜅ	<i>Medial Form</i>
				ZWJ+1887		ᜅ	<i>(xx_x) First Final Form</i>
				ZWJ+1887+FVS1		ᜆ	<i>(xx_x) Second Final Form</i>
				ZWJ+1887+FVS2		ᜇ	<i>(xx_x) Third Final Form</i>
				ZWJ+1887+FVS3		ᜈ	<i>(xx_x) Fourth Final Form</i>
				ZWJ+1887+FVS4		ᜉ	<i>(xx_x) Fifth Final Form</i>
STATUS: Proposal #19							
1875	(__x)	ᡮ	MONGOLIAN LETTER MANCHU RA	1888	(x_x)	ᜊ	MONGOLIAN LETTER ALI GALI I
1875		ᡮ	<i>Isolate Form</i>	1888+ZWJ		ᜊ	<i>Initial Form</i>
1875+ZWJ		ᡮ	<i>Initial Form</i>	ZWJ+1888+ZWJ		ᜊ	<i>(xx_x) First Medial Form</i>
ZWJ+1875+ZWJ		ᡮ	<i>Medial Form</i>	ZWJ+1888+ZWJ+FVS1		ᜊ	<i>(xx_x) Second Medial Form</i>

ZWJ+1888	⌚ (xx_)	<i>First Final Form</i>	ZWJ+1891	⌚ (xx)	<i>Final Form</i>
ZWJ+1888+FVS1	⌚ (xx_)	<i>Second Final Form</i>	1892	⌚ (x_xx)	⌚
1889 (xx_)	⌚	MONGOLIAN LETTER ALI GALI KA ^s	1892+ZWJ	⌚ (x_xx)	MONGOLIAN LETTER ALI GALI PA ^s
1889+ZWJ	⌚ (xx_)	<i>Initial Form</i>	ZWJ+1892+ZWJ	⌚ (x_xx)	<i>Initial Form</i>
ZWJ+1889+ZWJ	⌚ (xx_)	<i>Medial Form</i> ³	ZWJ+1892	⌚ (xx)	<i>Medial Form</i>
ZWJ+1889	⌚ (xx_)	<i>Final Form</i>	1893	⌚ (x_xx)	<i>Final Form</i>
188A (xx_)	⌚	MONGOLIAN LETTER ALI GALI NGA	1893+ZWJ	⌚ (x_xx)	MONGOLIAN LETTER ALI GALI PHA ^s
188A+ZWJ	⌚ (xx_)	<i>First Initial Form</i>	ZWJ+1893+ZWJ	⌚ (x_xx)	<i>Initial Form</i>
188A+FVS1+ZWJ	⌚ (xx_)	<i>Second Initial Form</i>	ZWJ+1893	⌚ (xx)	<i>Medial Form</i>
ZWJ+188A+ZWJ	⌚ (xx_)	<i>First Medial Form</i>	1894	⌚ (xx_)	<i>Final Form</i>
ZWJ+188A+FVS1+ZWJ	⌚ (xx_)	<i>Second Medial Form</i>	1894+ZWJ	⌚ (xx_)	MONGOLIAN LETTER ALI GALI SSA
ZWJ+188A	⌚ (xx_)	<i>Final Form</i>	ZWJ+1894+ZWJ	⌚ (xx_)	<i>Initial Form</i>
188B (xx_)	⌚	MONGOLIAN LETTER ALI GALI CA	ZWJ+1894	⌚ (xx_)	<i>Medial Form</i>
188B+ZWJ	⌚ (xx_)	<i>Initial Form</i>	1895	⌚ (x_xx)	<i>Final Form</i>
ZWJ+188B+ZWJ	⌚ (xx_)	<i>Medial Form</i>	1895+ZWJ	⌚ (x_xx)	MONGOLIAN LETTER ALI GALI ZHA
ZWJ+188B	⌚ (xx_)	<i>Final Form</i>	ZWJ+1895+ZWJ	⌚ (x_xx)	<i>Initial Form</i>
188C (x_xx)	⌚	MONGOLIAN LETTER ALI GALI TTA	ZWJ+1895	⌚ (xx)	<i>Medial Form</i>
188C+ZWJ	⌚ (x_xx)	<i>Initial Form</i>	1896	⌚ (xx_)	<i>Final Form</i>
ZWJ+188C+ZWJ	⌚ (x_xx)	<i>Medial Form</i>	1896+ZWJ	⌚ (xx_)	MONGOLIAN LETTER ALI GALI ZA
ZWJ+188C	⌚ (x_xx)	<i>Final Form</i>	ZWJ+1896+ZWJ	⌚ (xx_)	<i>Initial Form</i>
188D (x_xx)	⌚	MONGOLIAN LETTER ALI GALI TTHA	ZWJ+1896	⌚ (xx)	<i>Medial Form</i>
188D+ZWJ	⌚ (x_xx)	<i>Initial Form</i>	1897	⌚ (x_xx)	<i>Final Form</i>
ZWJ+188D+ZWJ	⌚ (x_xx)	<i>Medial Form</i>	1897+ZWJ	⌚ (x_xx)	MONGOLIAN LETTER ALI GALI AH
ZWJ+188D	⌚ (x_xx)	<i>Final Form</i>	ZWJ+1897+ZWJ	⌚ (x_xx)	<i>Initial Form</i>
188E (x_xx)	⌚	MONGOLIAN LETTER ALI GALI DDA	ZWJ+1897	⌚ (xx)	<i>Medial Form</i> ⁵
188E+ZWJ	⌚ (x_xx)	<i>Initial Form</i>	1898	⌚ (x_xx)	<i>Final Form</i>
ZWJ+188E+ZWJ	⌚ (x_xx)	<i>Medial Form</i>	1898+ZWJ	⌚ (x_xx)	MONGOLIAN LETTER TODO ALI GALI TA
ZWJ+188E	⌚ (x_xx)	<i>Final Form</i>	ZWJ+1898+ZWJ	⌚ (x_xx)	<i>Initial Form</i>
188F (x_xx)	⌚	MONGOLIAN LETTER ALI GALI NNA	ZWJ+1898	⌚ (xx)	<i>Medial Form</i>
188F+ZWJ	⌚ (x_xx)	<i>Initial Form</i>	1899	⌚ (x_xx)	<i>Final Form</i>
ZWJ+188F+ZWJ	⌚ (x_xx)	<i>Medial Form</i>	1899+ZWJ	⌚ (x_xx)	MONGOLIAN LETTER TODO ALI GALI ZHA
ZWJ+188F	⌚ (x_xx)	<i>Final Form</i>	ZWJ+1899+ZWJ	⌚ (x_xx)	<i>Initial Form</i>
1890 (x_xx)	⌚	MONGOLIAN LETTER ALI GALI TA	ZWJ+1899	⌚ (xx)	<i>Medial Form</i>
1890+ZWJ	⌚ (x_xx)	<i>Initial Form</i>	189A (xx_x)	⌚ (xx_x)	<i>Final Form</i>
ZWJ+1890+ZWJ	⌚ (x_xx)	<i>Medial Form</i>	189A+ZWJ	⌚ (xx_x)	MONGOLIAN LETTER MANCHU ALI GALI GHA
ZWJ+1890	⌚ (x_xx)	<i>Final Form</i>	ZWJ+189A+ZWJ	⌚ (xx_x)	<i>Initial Form</i>
1891 (x_xx)	⌚	MONGOLIAN LETTER ALI GALI DA	ZWJ+189A	⌚ (xx)	<i>Medial Form</i>
1891+ZWJ	⌚ (x_xx)	<i>Initial Form</i>	189B (xx_x)	⌚ (xx_x)	<i>Final Form</i>
ZWJ+1891+ZWJ	⌚ (x_xx)	<i>Medial Form</i>	189B+ZWJ	⌚ (xx_x)	MONGOLIAN LETTER MANCHU ALI GALI NGA

189C		MONGOLIAN LETTER MANCHU ALI GALI CA	18A2+ZWJ		<i>Initial Form</i>
189C+ZWJ		<i>Initial Form</i>	ZWJ+18A2+ZWJ		<i>Medial Form</i>
ZWJ+189C+ZWJ		<i>Medial Form</i>	ZWJ+18A2		<i>Final Form</i>
ZWJ+189C		<i>Final Form</i>	18A3		MONGOLIAN LETTER MANCHU ALI GALI CYA
189D		MONGOLIAN LETTER MANCHU ALI GALI JHA	18A3+ZWJ		<i>Initial Form</i>
189D+ZWJ		<i>Initial Form</i>	ZWJ+18A3+ZWJ		<i>Medial Form</i>
ZWJ+189D+ZWJ		<i>Medial Form</i>	ZWJ+18A3		<i>Final Form</i>
ZWJ+189D		<i>Final Form</i>	18A4		MONGOLIAN LETTER MANCHU ALI GALI ZHA
189E		MONGOLIAN LETTER MANCHU ALI GALI TTA	18A4+ZWJ		<i>Initial Form</i>
189E+ZWJ		<i>Initial Form</i>	ZWJ+18A4+ZWJ		<i>Medial Form</i>
ZWJ+189E+ZWJ		<i>Medial Form</i>	ZWJ+18A4		<i>Final Form</i>
ZWJ+189E		<i>Final Form</i>	18A5		MONGOLIAN LETTER MANCHU ALI GALI ZA
189F		MONGOLIAN LETTER MANCHU ALI GALI DDHA	18A5+ZWJ		<i>Initial Form</i>
189F+ZWJ		<i>Initial Form</i>	ZWJ+18A5+ZWJ		<i>Medial Form</i>
ZWJ+189F+ZWJ		<i>Medial Form</i>	ZWJ+18A5		<i>Final Form</i>
ZWJ+189F		<i>Final Form</i>	18A6		MONGOLIAN LETTER ALI GALI HALF U
18A0		MONGOLIAN LETTER MANCHU ALI GALI TA	18A6+ZWJ		<i>Initial Form</i>
18A0+ZWJ		<i>First Initial Form</i>	ZWJ+18A6+ZWJ		<i>Medial Form</i>
18A0+FVS1+ZWJ		<i>Second Initial Form</i> <small>(context-driven) (not in current USVL)</small>	ZWJ+18A6		<i>Final Form</i>
ZWJ+18A0+ZWJ		<i>First Medial Form</i>	18A7		MONGOLIAN LETTER ALI GALI HALF YA
ZWJ+18A0+FVS1+ZWJ		<i>Second Medial Form</i> <small>(context-driven) (not in current USVL)</small>	18A7+ZWJ		<i>Initial Form</i>
ZWJ+18A0		<i>Final Form</i>	ZWJ+18A7+ZWJ		<i>Medial Form</i>
18A1		MONGOLIAN LETTER MANCHU ALI GALI DHA	ZWJ+18A7		<i>Final Form</i>
18A1+ZWJ		<i>First Initial Form</i>	18A8		MONGOLIAN LETTER MANCHU ALI GALI BHA ⁸
18A1+FVS1+ZWJ		<i>Second Initial Form</i> ⁴ <small>(context-driven) (not in current USVL)</small>	18A8+ZWJ		<i>Initial Form</i>
ZWJ+18A1+ZWJ		<i>First Medial Form</i>	ZWJ+18A8+ZWJ		<i>Medial Form</i>
ZWJ+18A1+FVS1+ZWJ		<i>Second Medial Form</i> ⁷ <small>(context-driven) (not in current USVL)</small>	ZWJ+18A8		<i>Final Form</i>
ZWJ+18A1		<i>Final Form</i>	18AA		MONGOLIAN LETTER MANCHU ALI GALI LHA
18A2		MONGOLIAN LETTER MANCHU ALI GALI SSA	18AA+ZWJ		<i>Initial Form</i>
			ZWJ+18AA+ZWJ		<i>Medial Form</i>
			ZWJ+18AA		<i>Final Form</i>

¹ Weizhe Zheng: “U+1807 (Sibe syllable boundary marker) is also used in Manchu. For example, the name Ming’iliha (G. R. Li, Manchu - A textbook for reading documents, p. 51, l. 5, first word), is written with an additional tooth separating the two syllables.”

² Weizhe Zheng: “Also used in Ali Gali (U+185B as well as U+1853, U+1858, U+185C).”

³ Weizhe Zheng: “Attested to in TWYT and DZQZ.”

⁴ Weizhe Zheng: “The Mongolian Ali Gali letters U+188C through U+1893 and U+1895 also appear in medial position. See TWYT_110, TWYT_214.”

⁵ Weizhe Zheng: “Attested to in DZQZ.”

⁶ Weizhe Zheng: “Attested to in TWYT and DZQZ.”

⁷ Weizhe Zheng: “Attested to in DZQZ.”

⁸ U+18A8: “(Ali Gali Manchu BHA) also appears in medial position. See TWYT_110.”