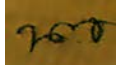
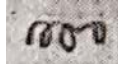
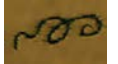
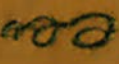
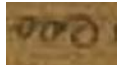
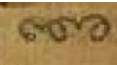
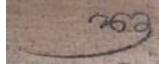
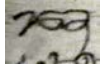
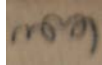
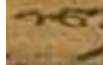
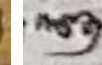
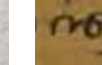
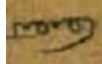
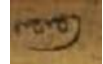
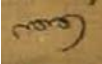
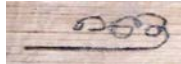
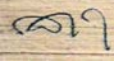
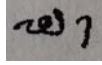
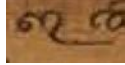
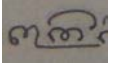
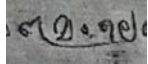
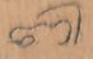


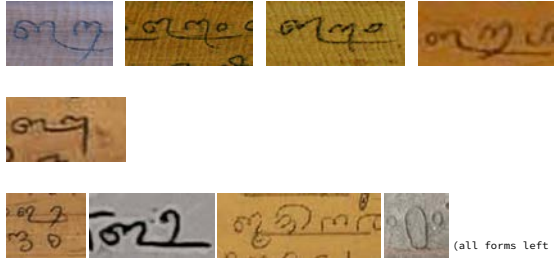
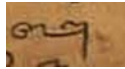
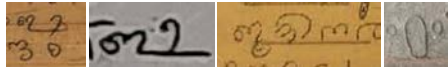
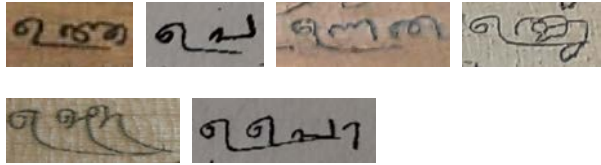
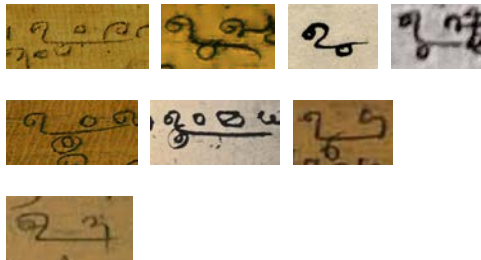
A list of common Tulu-Tigalari conjuncts

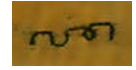
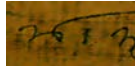
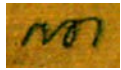
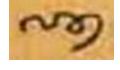
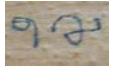
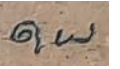
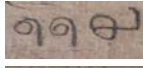
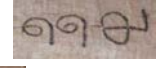
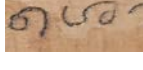
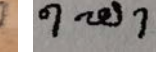
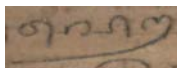
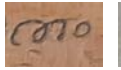
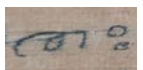
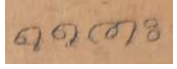
8/Aug/2021 | Listed below are conjunct forms found in Tulu-Tigalari script manuscripts

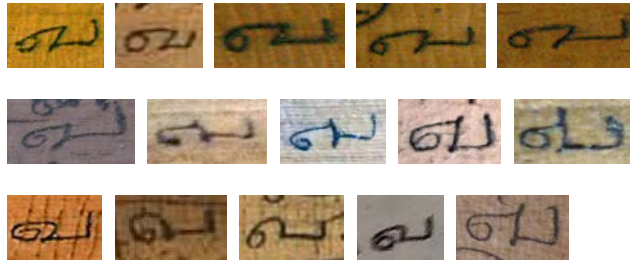
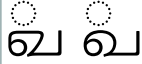
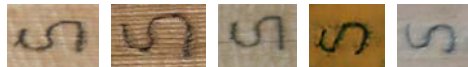
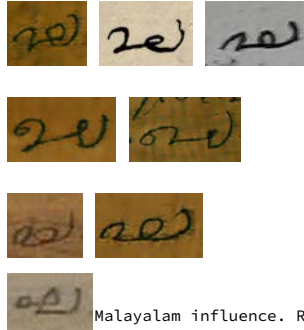
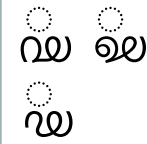
Author : Vaishnavi Murthy (vaishnavimurthy@gmail.com)

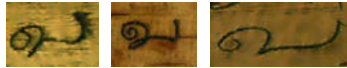
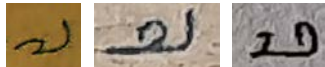
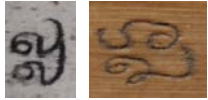
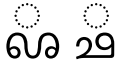
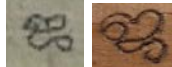
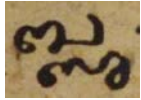
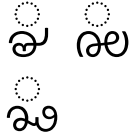
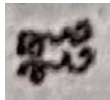
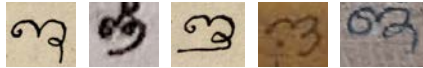
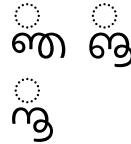
Rare forms = Pink

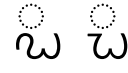
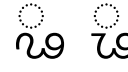
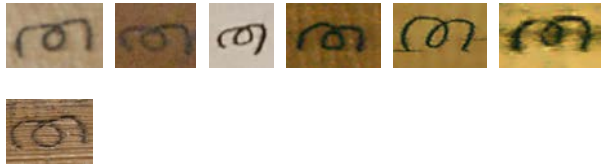
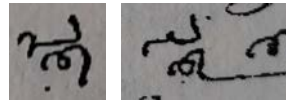
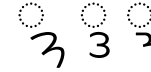
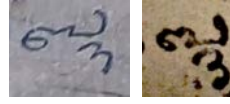
	Vowel Common Form	Alternate Forms	Manuscript Samples	Vowel Sign	Manuscript Samples
VOWEL A	ಅ	ಞಾ ಞಾ	           	(inherent)	(inherent)
VOWEL AA	ಆ	ಞಾ ಞಾ ಞಾ ಞಾ ಞಾ	             	ಿ	   
VOWEL I	ಁ		    	ಿ	     

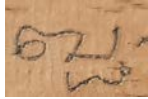
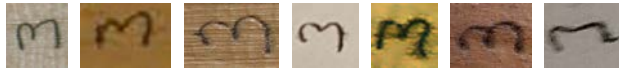
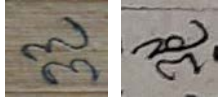
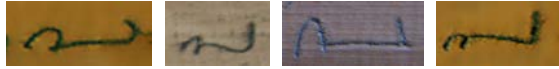
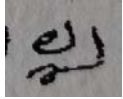
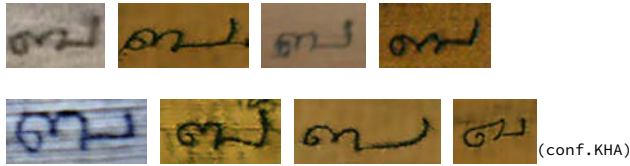
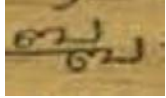
VOWEL II	ಀ	ಀಃ ಀಃ	   (all forms left are rare)	ಀ	
VOWEL U	ಁ			ಁ ಁ ಁ ಁ	(SAMPLES IN THE NEXT SECTION)
VOWEL UU	ಃ	ಃಃ		ಃ ಃ ಃ ಃ	(SAMPLES IN THE NEXT SECTION)
VOWEL VOCALIC R	ಌ			ಌ	(SAMPLES IN THE NEXT SECTION)
VOWEL VOCALIC RR	಍	಍ಃ ಍ಃ (Repha+Voc.R is used)	 (alt. spelling with Voc.R+Reph)	಍ ಍ ಍ ಍ ಍ ಍	(SAMPLES IN THE NEXT SECTION)
VOWEL VOCALIC L	ಏ			ಏ	

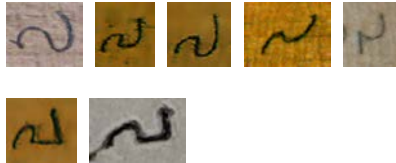
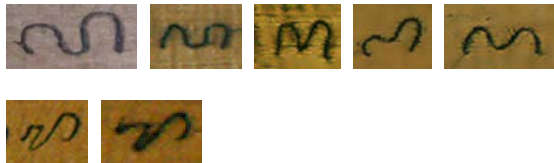
VOWEL VOCALIC LL	ಱ	ಱ (Repha+Voc.L is used)	  (alt. spelling with Voc.R+Reph)	ಱ	
VOWEL EE	ಱ	ಱ	         (confusable : NA+TA)     	ಱ	  
VOWEL AI	ಱ	ಱ		ಱ	  
VOWEL OO	ಱ	ಱ ಱ	      	ಱ	   
VOWEL AU	ಱ	ಱ ಱ	    	ಱ	
ANUSWARA			 anuswara can appear with other vowel marks	ಱ	 
VISARGA			 visarga can appear with other vowel marks	ಱ	 

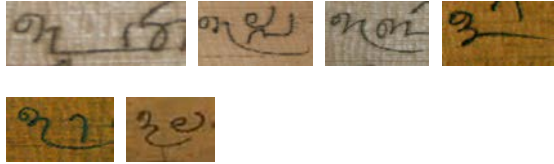
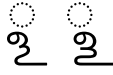
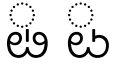
	Letter Common Form	Alternate Forms	Manuscript Samples	Vattu forms that attach below	Manuscript Samples
LETTER KA	ක				
LETTER KHA	ഖ	ഖ			
LETTER GA	ഗ				
LETTER GHA	ഘ	ഘ ഘ	 Malayalam influence. Rare.		
LETTER NGA	ങ				

LETTER CA	ച		   Conf. with KHA   Rare CA form. Conf. with PA/VA	ച	
LETTER CHA	ശ	ച	  Rare conf. with PHA		
LETTER JA	ജ		   Malayalam influence. Rare.		
LETTER JHA	ഛ	ജ ഛ			
LETTER NYA	ഞ	ഒ ഴ	 		

LETTER TTA	ಽ				
LETTER TTHA	ಠ				
LETTER DDA	ಢ	ಢ			
LETTER DDHA	ಢೃ	ಢೃ			
LETTER NNA	ಢ				
LETTER TA	ಠ				
LETTER THA	ಠ				
LETTER DA	ಢ	ಢ ಢ			

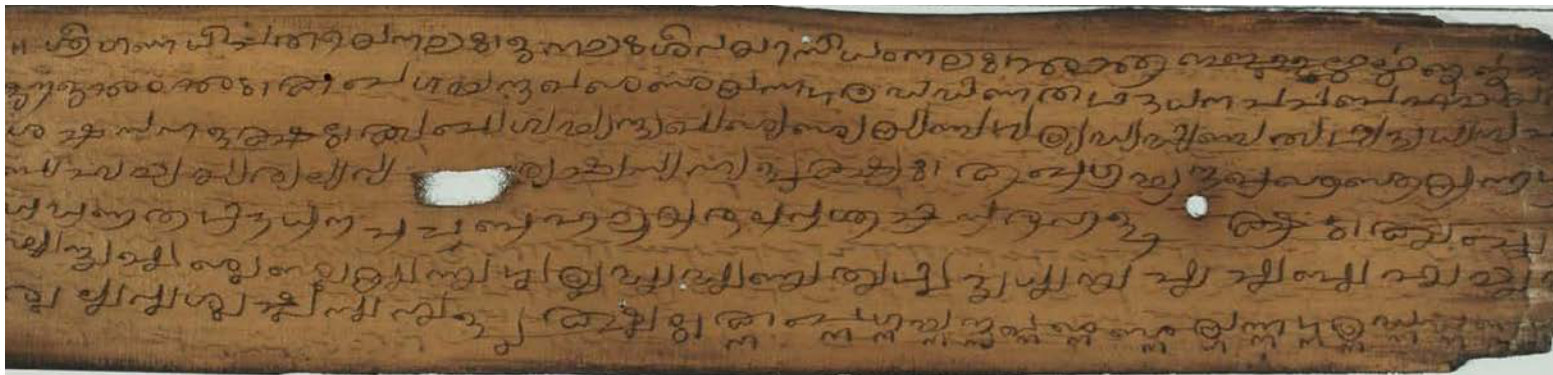
LETTER DHA	ಢ			ಢ̇	
LETTER NA	ಢ			ಢ̇	
LETTER PA	ಢ			ಢ̇	
LETTER PHA	ಢ			ಢ̇	
LETTER BA	ಢ			ಢ̇	
LETTER BHA	ಢ	ಙ	  (found more often with Malayalam style)	ಢ̇ ಙ̇	
LETTER MA	ಢ	ಞ ಞ	   (rare, found in stone inscription)	ಢ̇ ಞ̇ ಞ̇ ಞ̇	

LETTER YA	ೞ			ೞ	
LETTER RA	ರ			ರ	
LETTER LA	ಲ			ಲ	
LETTER VA	ಁ	ವ		ಁ ವ	
LETTER SHA	ಶ			ಶ	
LETTER SSA	ಷ			ಷ	
LETTER SA	ಸ			ಸ	
LETTER HA	ಹ			ಹ	

LETTER LLA	ಲಿ	ಲಿ			
LETTER RRA	ರ್ರ	ರ್ರ			
LETTER LLLA	ಲ್ಲ	ಲ್ಲ			



Source : Dodmane, Udupi



Source : Srinidhi (2AKz7vml_tigalari alphabet)

Common forms — Black

Alternate forms — Green

Highlighted cells — Mark the common U/UU Vowel liagture fomrs

Highlighted cells — Are undecided conjuncts (that need further study/attestations)

Latin	Consonant Variations	Vowel Mark U Variations				Vowel Mark UU Variations	
		ಁ	ಂ	ಃ	಄	ಏ	ಆ
LETTER KA	ಕ		ಕ		ಕ		ಕ
LETTER KHA	ಖ	ಖ				ಖ	
	ಖ	ಖ				ಖ	
LETTER GA	ಗ		ಗ		ಗ		ಗ
LETTER GHA	ಘ	ಘ				ಘ	
	ಘ	ಘ				ಘ	
	ಘ	ಘ				ಘ	
LETTER NGA	ಙ	ಙ			ಙ	ಙ	
	ಙ	ಙ			ಙ	ಙ	

LETTER CA	ച	ചു				ചു	
	ച	ചു				ചു	
LETTER CHA	ശ			ശു	ശു		ശു
	ച	ചു				ചു	
LETTER JA	ജ			ജു	ജു		ജു
LETTER JHA	ഛ	ഛ				ഛ	
	ജ	ജ				ജ	
	ഛ	ഛ				ഛ	
	ഛ	ഛ				ഛ	
LETTER NYA	ഞ			ഞ	ഞ		ഞ
	ഞ	ഞ		ഞ		ഞ	
	ഞ	ഞ		ഞ		ഞ	
LETTER TTA	ട	ട	ട			ട	ട
LETTER TTHA	ത	ത				ത	

LETTER DDA	ದ	ಢ				ಢ್	
	ದ	ಢ				ಢ	
LETTER DDHA	ಢ	ಢ್				ಢ್	
	ಢ	ಢ್				ಢ್	
LETTER NNA	ಢ	ಢ್	ಢ್		ಢ್	ಢ್	ಢ್
LETTER TA	ತ		ತ		ತ		ತ
LETTER THA	ಠ	ಠ				ಠ	
LETTER DA	ಢ	ಢ	ಢ			ಢ	ಢ
	ಢ	ಢ	ಢ			ಢ	ಢ
	ಢ	ಢ	ಢ			ಢ	ಢ
LETTER DHA	ಢ	ಢ				ಢ	
LETTER NA	ಢ	ಢ			ಢ	ಢ	ಢ
LETTER PA	ಢ	ಢ				ಢ	
LETTER PHA	ಢ	ಢ				ಢ	

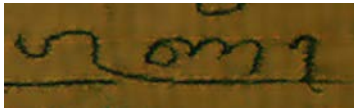
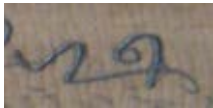
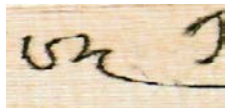
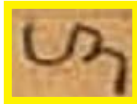
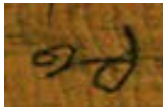
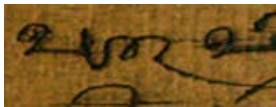
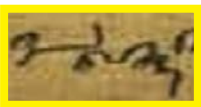
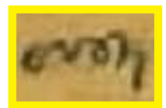
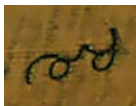
LETTER BA	ಬ	ಬ್					ಬ್
LETTER BHA	ಬ		ಬ್		ಬ್		ಬ್
	ಬ್	ಬ್				ಬ್	
LETTER MA	ಮ	ಮ್				ಮ್	
	ಮ್	ಮ್				ಮ್	
	ಮ್	ಮ್				ಮ್	
LETTER YA	ಯ	ಯ್				ಯ್	
LETTER RA	ರ	ರ್		ರ	ರ	ರ	ರ
LETTER RRA	ರ	ರ			ರ	ರ	
	ರ	ರ				ರ	
LETTER LA	ಲ	ಲ್				ಲ್	
LETTER LLA	ಲ್	ಲ್				ಲ್	
	ಲ್	ಲ್				ಲ್	
LETTER LLLA	ಲ್	ಲ್				ಲ್	

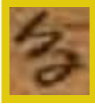
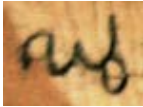
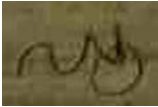
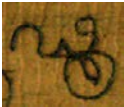
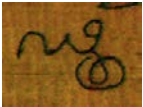
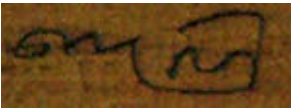
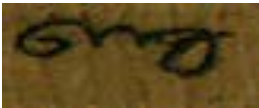
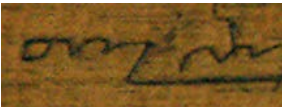
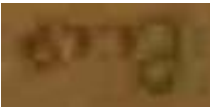
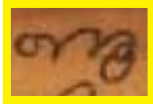
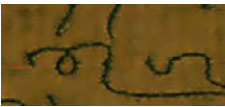
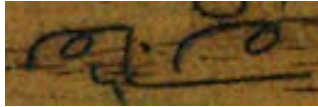
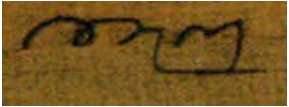
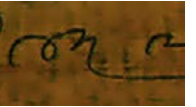
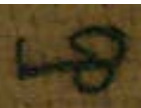
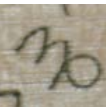
LETTER VA	ೠ	ೡ				ೣ	
	೤	೥				೦	
LETTER SSA	೧	೨	೩		೪		೫
LETTER SSHA	೬	೭	೮			೯	೺
LETTER SA	೻	೼				೽	
LETTER HA	೾		೿		೿		೿

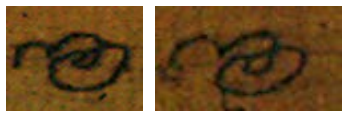
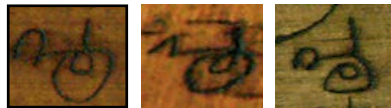
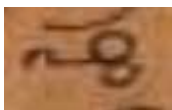
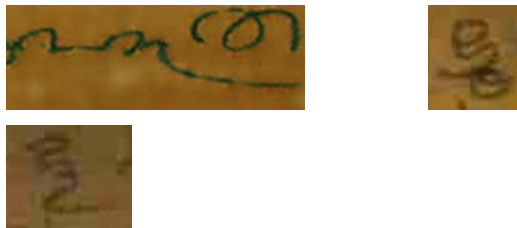
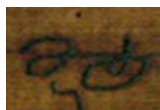


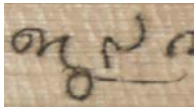
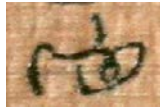
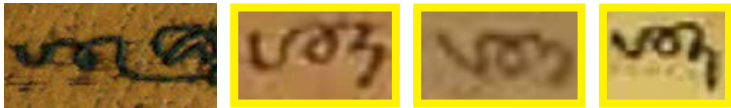
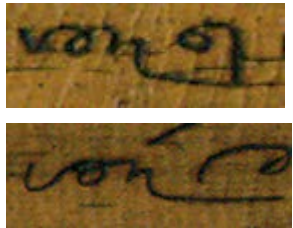
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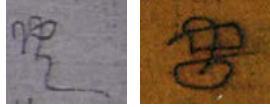
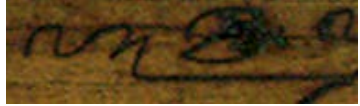
VOWEL-MARK LIGATURES	BASE	U-vs				UU-vs
LETTER KA	೧					

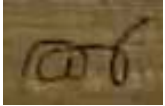
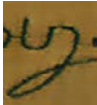
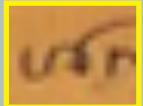
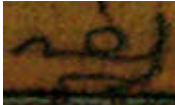
LETTER KHA	ಖ		
LETTER GA	ಗ	     	
LETTER GHA	ಘ		
LETTER NGA	ಙ		
LETTER CA	ಚ		
LETTER CHA	ಛ	  	
LETTER JA	ಜ	 	 
LETTER JHA	ಝ		
LETTER NYA	ಞ		

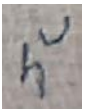
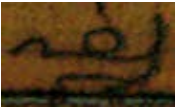
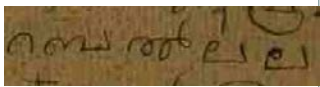
LETTER TTA	ㄣ	 TTA+TTA+U	
LETTER TTHA	◎		
LETTER DDA	೨	 	 
LETTER DDHA	೨೨		 
LETTER NNA	ೞ	   	
LETTER TA	ᳵ	   	 
LETTER THA	ᳶ	 	
LETTER DA	೩	 	

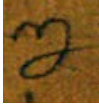
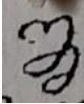
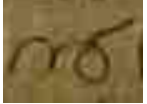
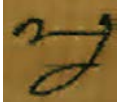
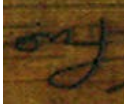
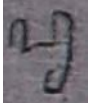
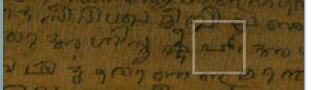
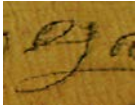
LETTER DHA	ಢ		
LETTER NA	ಢ		
LETTER PA	ಢ		
LETTER PHA	ಢ		
LETTER BA	ಢ		
LETTER BHA	ಢ		
LETTER MA	ಢ		
LETTER YA	ಢ		

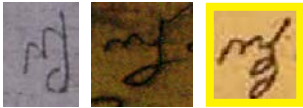
LETTER RA	ರ		
LETTER RRA	ರ್ರ		
LETTER LA	ಲ		
LETTER LLA	ಲ್ಲ		
LETTER LLLA	ಲ್ಲ್ಲ		
LETTER VA	ವ		
LETTER SHA	ಶ		

LETTER SSA	ಸ್		
LETTER SA	ಸ		
LETTER HA	ಹ		

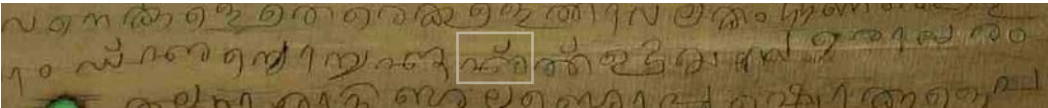
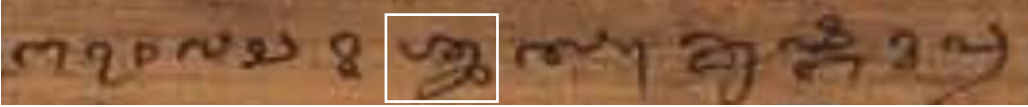
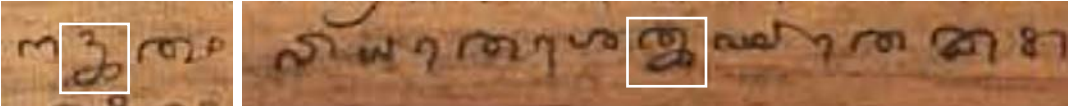
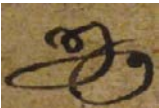
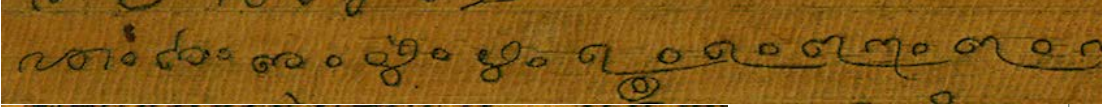
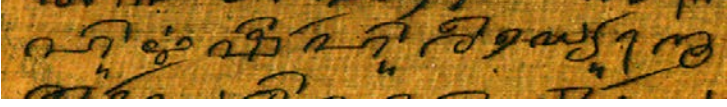
	BASE	FONT RENDERING	R-vs	RR-vs	+ VIRĀMA
LETTER KA	ක	ක / ක් conf. ka+ta+v.r		ක	
LETTER KHA	ഖ	ഖ / ഖ്			
LETTER GA	ഗ	ഗ / ഗ്		ഗ	 More info. + Images at the end of this PDF.
LETTER GHA	ഘ	ഘ / ഘ്			
LETTER NGA	ങ	ങ / ങ്			
LETTER CA	ച	ച / ച്			
LETTER CHA	ഛ	ഛ / ഛ്			
LETTER JA	ജ	ജ / ജ്			

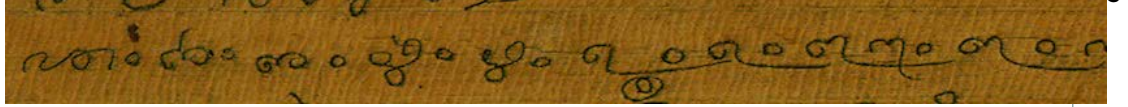
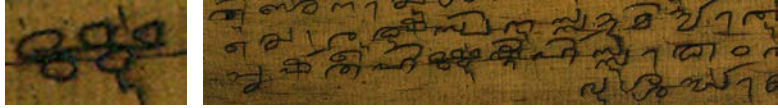
LETTER JHA	ಜ	ಜ / ಜ್ಞ			
LETTER NYA	ಣ	ಣ / ಣ್ಣ			
LETTER TTA	ಽ	ಽ / ಽ್ಞ		ಽ / ಽ್ಞ	  
LETTER TTHA	ಠ	ಠ / ಠ್ಞ			
LETTER DDA	ಢ	ಢ / ಢ್ಞ			
LETTER DDHA	ಣ	ಣ / ಣ್ಞ			
LETTER NNA	ಢ	ಢ / ಢ್ಞ			
LETTER TA	ತ	ತ / ತ್ಞ	   	ತ / ತ್ಞ	  Tulu : BeTTuLALA
LETTER THA	ಠ	ಠ / ಠ್ಞ			

LETTER DA	ಡ	ಡ / ಡ			
LETTER DHA	ಢ	ಢ / ಡ್ಹ			
LETTER NA	ಢ	ಢ / ಢ್ಹ	 	ಢ	
LETTER PA	ಪ	ಪ / ಪ್ಹ			
LETTER PHA	ಫ	ಫ / ಫ್ಹ			
LETTER BA	ಬ	ಬ / ಬ್ಹ			
LETTER BHA	ಛ	ಛ / ಛ್ಹ		ಛ	 More info. + Images at the end of this PDF.
LETTER MA	ಮ	ಮ / ಮ್ಹ			
LETTER YA	ಯ	ಯ / ಯ್ಹ			

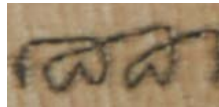
LETTER RA	ರ	ರ / ರ್			
LETTER RRA	ರ್ರ	ರ್ರ / ರ್ರ್			
LETTER LA	ಲ	ಲ / ಲ್			
LETTER LLA	ಲ್ಲ	ಲ್ಲ / ಲ್ಲ್			
LETTER LLLA	ಲ್ಲ್	ಲ್ಲ್ / ಲ್ಲ್ಲ್			
LETTER VA	ವ	ವ / ವ್			
LETTER SHA	ശ	ശ / ശ്			
LETTER SSA	ഷ	ഷ / ഷ്			
LETTER SA	സ	സ / സ്			
LETTER HA	ഹ	ഹ / ഹ്			

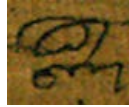
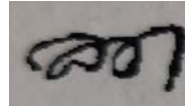
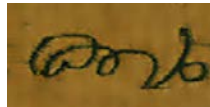
SPECIAL CHARACTERS // VOWEL-MARK LIGATURES

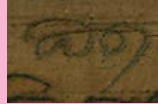
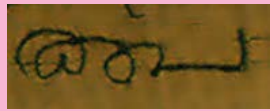
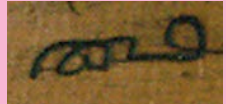
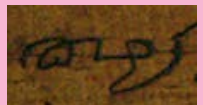
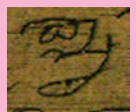
A+Virama TULU VOWEL /ə/	ಅಱ್	 <i>Tulu language manuscript (Anantavruta Kathe)</i>  Tulu Bhagavato (GPRS,Udupi)
vs.vocalic R+vs.U	ಱ	  
vs.vocalic R+vs.UU	ಱ್	 TA+vs.vocalic R+vs.UU 
Reph+vs.voc.R (Represents : vs.voc.RR)	ಱಱ	  

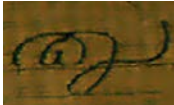
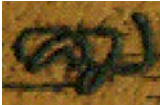
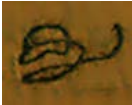
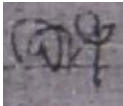
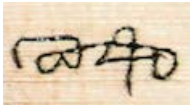
Reph+vs.voc.L (Represents : vs.voc.LL)		
Reph+voc.RR		  नैर्ऋत्यां
Reph+vs.I		 Reph+PA+vs.I

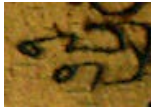
CONSONANT CONJUNCTS

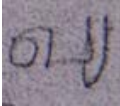
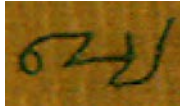
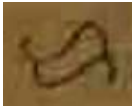
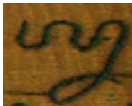
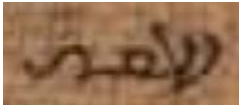
CHARACTER COMBINATIONS (Ref., conj. list from Grantha = gra, Malayalam = mal, Tulu-Tigalari = tig)	FONT RENDERING	
LETTER KA	𑌕	
KA+KA	𑌕𑌕	
KA+KA+vs.U -gra	𑌕𑌕	
KA+KA+vs.UU -gra	𑌕𑌕𑌕	
KA+KA+vs.voc.R -gra	𑌕𑌕𑌕	
KA+KA+vs.voc.RR -gra	𑌕𑌕𑌕𑌕	
KA+KA+RA -gra	𑌕𑌕𑌕	
KA+KHA -gra	𑌕𑌕𑌕	

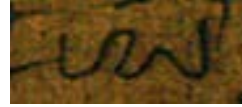
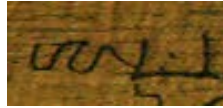
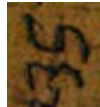
KA+CA -gra	കു	
KA+TTA	കു	
KA+NNA -tig	കു	
KA+TA	കു	 
KA+TA+vs.U -gra	കു	
KA+TA+vs.UU -gra	കു	
KA+TA+vs.voc.R -gra	കു	
KA+TA+THA	കു	
KA+TA+YA -gra	കു	
KA+TA+YA+vs.U -tig	കു	

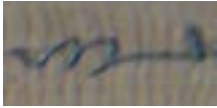
KA+TA+RA -gra	താ	
KA+TA+RA+YA -gra	താ	
KA+TA+VA -gra,tig	താ	
KA+THA -tig	താ	
KA+THA+YA -tig	താ	
KA+NA -gra	താ	
KA+NA+vs.U -gra	താ	
KA+NA+vs.UU -gra	താ	
KA+NA+YA -gra	താ	
KA+PA+vs.voc.R	താ	

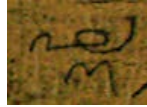
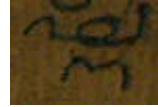
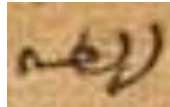
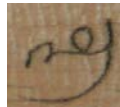
KA+MA -gra	മ	
KA+YA -gra	യ	
KA+RA -gra	ര	
KA+LA -gra	ല	  
KA+VA	വ	
KA+SSA -gra,tig,mal	ക്ഷ	 
KA+SSA+vs.U -tig	ക്ഷു	
KA+SSA+NNA -gra	ക്ഷ്ഞ	
KA+SSA+NNA+YA	ക്ഷ്ഞ	
KA+SSA+MA -gra	ക്ഷ്മ	

KA+SSA+MA+YA -gra	ക്ഷ	
KA+SSA+YA -gra	ക്ഷ	
KA+SSA+RA -gra	ക്ഷ	
KA+SSA+LA -gra	ക്ഷ	
KA+SSA+VA -tig	ക്ഷ	
KA+SA -gra	സ	
KA+SA+SA -tig	സ	
LETTER KHA	ഖ	
KHA+KA -tig	ഖ	
KHA+KHA -tig	ഖ	 

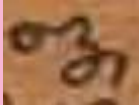
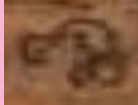
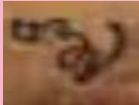
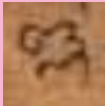
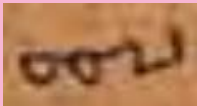
KHA+NA -gra	ಗ್ರಾ	
KH+MA -gra	ಗ್ರಾ	
KHA+YA -gra	ಗ್ರಾ	 
KHA+RA -gra	ಗ್ರಾ	
KHA+LA -gra	ಗ್ರಾ	
KHA+VA -gra	ಗ್ರಾ	
LETTER GA	ಗ	
GA+GA -gra	ಗ್ರ / ಗಾ	
GA+GA+vs.voc.R -tig	ಗ್ರ	
GA+GHA -gra	ಗ್ರಾ	 (Reph+GA+GHA+YA)

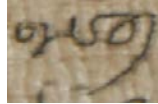
GA+GHA+vs.voc.R -tig	ഗു	
GA+JA -gra	ഗുറ	
GA+DA -gra	ഗ	
GA+DA+DHA -maḷ	ഗു	
GA+DA+DHA+RA -maḷ	ഗു	
GA+DA+DHA+VA -maḷ	ಗುವ	
GA+DHA -gra	ಗ	 
GA+DHA+RA -gra	ಗು	
GA+DHA+VA -tig	ಗುವ	
GA+NA -tig,maḷ,gra	ಗ / ಗ ಮ	

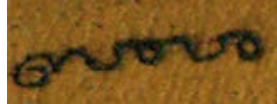
GA+NA+YA -gra	ಗ್ರ	
GA+NA+VA -tig	ಗ್ರ	
GA+BA -tig	ಗ್ರ	
GA+BHA -gra	ಗ್ರ	
GA+BHA+YA -gra	ಗ್ರ	
GA+MA -gra,mal	ಗ್ರ	
GA+YA -gra	ಗ್ರ	
GA+RA -gra	ಗ್ರ	
GA+RA+YA -gra	ಗ್ರ	
GA+LA -gra	ಗ್ರ	

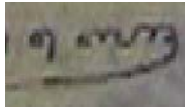
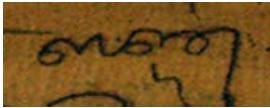
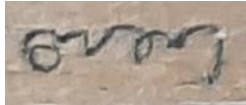
GA+VA -gra	ಗ್ರ	
LETTER GHA	ಗ	
GHA+NA -gra	ಗಂ	 
GHA+NA+vs.U -maḷ	ಗು	
GHA+NA+YA -tig	ಗು	
GHA+MA -gra	ಗ್ರ	
GHA+YA -gra	ಗ್ರ	
GHA+RA -gra	ಗ್ರ	 
GHA+RA+YA -gra	ಗ್ರ	
GHA+LA -gra	ಗ್ಲ	

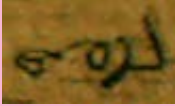
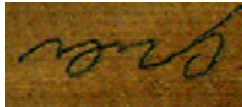
GHA+VA -gra	റഗ	
LETTER NGA	ങ	
NGA+KA -tig,gra,mal	ടെ	
NGA+KA+vs.U -mal	ടെ	
NGA+KA+vs.UU -mal	ടെ	
NGA+KA+KA -tig	ടെ	
NGA+KA+TA -gra	ടെ	
NGA+KA+TA+VA -gra	ടെ	
NGA+KA+YA -gra	ടെ	
NGA+KA+RA -gra	ടെ	

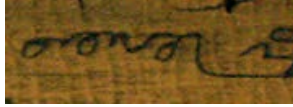
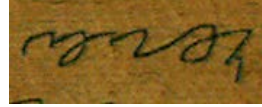
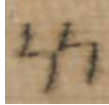
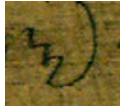
NGA+KA+SSA -gra	ಗ್ರಾ	
NGA+KA+SSA+YA -gra	ಗ್ರಾ	
NGA+KHA -tig	ಪ / ಪ	
NGA+GA -gra	ಗ	
NGA+GHA -mal	ಗ	
NGA+NGA -mal	ಗ	
ಜ್ಜ NGA+TA -tig	ಗ	  +VS.I
ಜ್ಜ NGA+TA+VA -tig	ಗ	
ಜ್ಜ NGA+NA -mal	ಗ / ಗ	
ಜ್ಜ NGA+BA -tig	ಪ / ಪ	  +VS.U

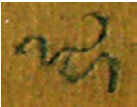
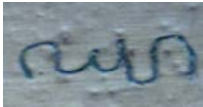
CA+CHA+RA -gra	ചു	
CA+CHA+RA+vs.U -tig	ചു	
CA+CHA+VA -tig	ചുവ	
CA+NYA -gra	ച സ	
CA+MA -gra	ചു	
CA+YA -gra	ചു	
CA+YA+vs.U -tig	ചു	
CA+RA -gra	ച	
LETTER CHA	ശ	
CHA+NYA -gra	ശ	

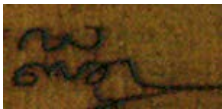
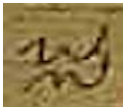
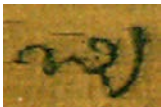
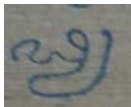
CHA+MA -gra	ശൂ	
CHA+YA -gra	ശൃ	
CHA+RA -gra	ശ്ര	
CHA+RA+vs.U -tig	ശ്രൂ	
CHA+RA+YA -gra	ശൃ	
CHA+LA -gra	ശ്ല	
LETTER JA	ജ	
JA+CHA -gra,tig	ജശ	
JA+JA -gra,tig,mal	ജശ	
JA+JA+NYA -gra,tig,mal	ജശന്ത	

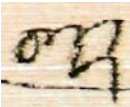
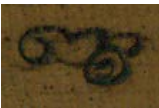
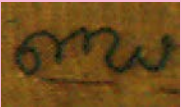
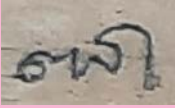
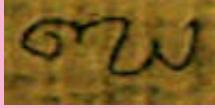
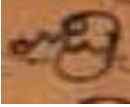
JA+JA+YA -mal	ಉಉ	
JA+NYA -gra,tig,mal	ಉಠ	 +vs.E  
JA+NYA+YA -gra	ಉಠು	
JA+NA -tig	rare	
JA+MA -tig	ಉಠ	
JA+YA -tig	ಉಠ	
JA+RA -tig	ಉಠ	
JA+LA -gra	ಉಠ	
JA+VA -gra	ಉಠ	
JA+HA+YA -mal (ref img.)	ಉಠು	

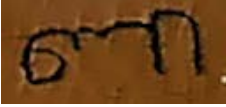
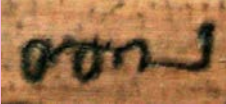
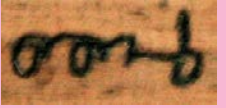
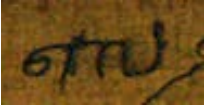
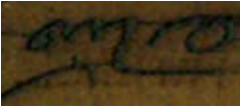
JA+HA+RA -mal (ref img.)	ಸೂ ರ	
Letter JHA		
JHA+JHA -tig	ಜ್ಜ	
Letter NYA		
ಜ್ಜ ಜ್ಜ NYA+CA -gra,tig	ಞ (ಞ) ಪ	 Confusable : Can be read as : NYA+VA All CA & PA Vattu placed below. Not ligating except NYA+CA?
ಜ್ಜ ಜ್ಜ NYA+CA+YA -gra	ಞ (ಞ) ಪ್ಯ	Confusable : Can be read as : NYA+VA+YA
NYA+CA+SHA -mal	ಞೂ	
NYA+CHA -gra	ಞೂ	
NYA+JA -gra	ಞೂ/ಞೂ	 

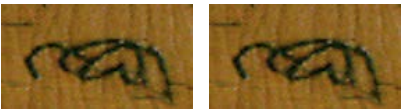
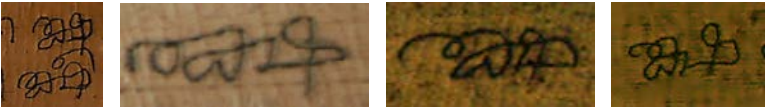
NYA+JA+vs.U -maḷ	ಣ್ಣು	 
NYA+JA+vs.UU -maḷ	ಣ್ಣು	
NYA+JA+YA -gra	ಣ್ಣು	
NYA+NYA -maḷ	ಣ್ಣು	
ಜ್ಯ ಜ್ಯ NYA+YA -maḷ	ಣ್ಣು	
LETTER TTA		
TTA+TTA -gra	ಱ / ಱ	
TTA+TTA+vs.I -maḷ	ಱ	
TTA+TTA+YA -tig	ಱ	
TTA+TTA -gra	ಱ	

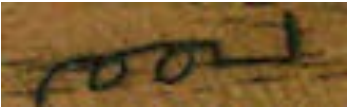
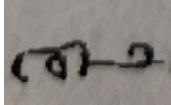
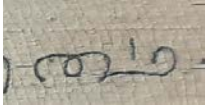
TTA+YA -gra	೧	
TTA+RA -gra	೨	
TTA+SA+Umatra -gra	೩ ಮ	
LETTER TTHA		
TTHA+YA -gra	೪	
TTHA+RA -gra	೫	
TTHA+VA -gra	೬	
LETTER DDA		
DDA+GA -gra	೭ ಗ	 
DDA+JA -gra	೮ ಜ	

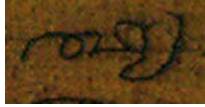
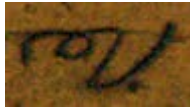
DDA+JA+vs.U -tig	ಜ ಸ್ತ	
DDA+DDA -gra	ಜ ಜ	
DDA+DDHA -gra	ಜ ಜ	
DDA+BHA -gra	ಜ ಬ	
DDA+MA -gra	ಜ ಮ	
DDA+YA -gra	ಜ ಯ	
DDA+RA -gra	ಜ ರ	
DDA+VA -gra	ಜ ವ	 +vs.I
LETTER DDHA		
DDHA+YA -gra	ಜ ಯ	 

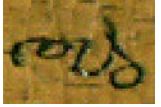
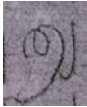
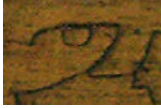
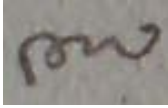
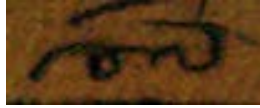
DDHA+RA -maḷ	ಝ	
DDHA+VA -gra	ಞ	
LETTER NNA		
NNA+TTA -gra, tig	ಢ / ಣ	  +Virama
NNA+TTA+RA -maḷ	ಢ	
NNA+TTHA -gra	ಣ	
NNA+DDA -gra, tig	ಢ/ಣ	    +Imatra Confusable : NNA+DA.The DA. Appears below.
NNA+DDA+YA -gra	ಢ್ಯ	
NNA+DDA+RA -gra	ಢ್ರ	 VS.I

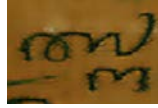
NNA+DDHA -gra	ಗ್ರಾ	
NNA+NNA -gra	ಗ್ರಾ ಗ್ರಾ	
NNA+NNA+YA -gra	ಗ್ರಾ ಗ್ರಾ	
NNA+NA -tig(tulu)	This combination is not supported to avoid confusion with NNA	 (is followed by vs.AA)
NNA+BA -tig	NGA + BHA ?	 (kan)
NNA+BA+vs.U -tig	NGA + BHA + U ?	 (kan)
NNA+MA+vs.U -tig	ಗ್ರಾ	
NNA+YA -gra	ಗ್ರಾ	
NNA+RA -gra	ಗ್ರಾ	

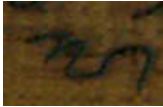
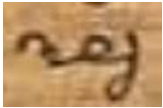
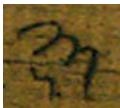
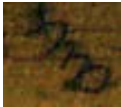
NNA+VA -gra	ಗ್ರಾ	
NNA+HA -gra	ಗ್ರಾ	
NNA+HA+YA -gra	ಗ್ರಾ	
NNA+HA+VA -gra	ಗ್ರಾ	
LETTER TA		
TA+KA -gra,tig	ರಾ	
TA+KA+vs.voc.R -tig	ರಾ	
TA+KA+RA -gra	ರಾ	
TA+KA+SSA -gra,tig	ರಾ	
TA+KA+SSA+MA -gra,tig	ರಾ	

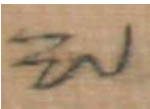
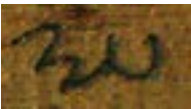
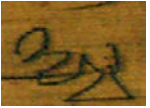
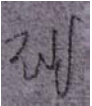
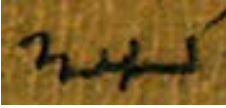
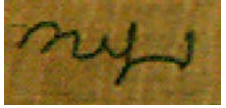
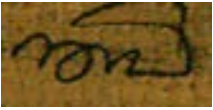
TA+KHA -gra	ത 621	
TA+TA -gra	ത്ത	
TA+TA+vs.U -maḷ	തു	
TA+TA+vs.UU -maḷ	തു	
TA+TA+vs.voc.R -maḷ	തു	
TA+TA+vs.voc.RR -tig	തു	
TA+TA+YA -gra	തു	
TA+TA+RA -gra,tig	ത	
TA+TA+VA -gra,tig	ത	
TA+THA -gra	ത	   +reph

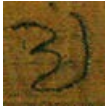
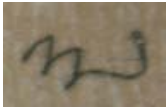
TA+THA+YA -tig	ത്രി	
TA+NA -gra,tig	ത്രി	
TA+NA+YA -gra	ത്രി	
TA+PA -gra	ത്രി	
TA+PA+RA -gra	ത്രി	
TA+PHA -gra	ത്രി	
TA+MA -gra,tig	ത്രി / ത്രി	
TA+MA+YA -gra,tig	ത്രി	
TA+MA+RA -tig	ത്രി	
TA+YA -gra	ത്രി	

TA+YA+vs.U -tig	ತು	 
TA+RA -gra	ಠ	
TA+RA+vs.UU -tig	ಠು	
TA+RA+YA -gra	ಠ್ರ	
TA+RA+RA -mal	ಠ್	
TA+RA+VA -tig	ಠ್ರ	
TA+LA -gra	ಠು	
TA+VA -gra	ಠ್ರ	
TA+SA -gra,tig	ಠ್ರ	 
TA+SA+TA -tig	ಠ್ರ	

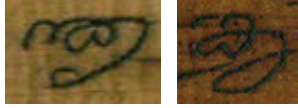
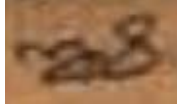
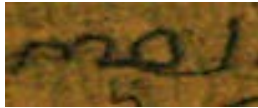
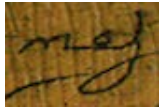
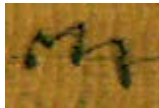
TA+SA+THA -gra	ത്ഥ	
TA+SA+NA -gra,tig	ത്ഥ ന	
TA+SA+NA+YA -gra	ത്ഥ യ	
TA+SA+YA -gra	ത്ഥ	
TA+SA+VA -gra	ത്ഥ	
LETTER THA		
THA+MA -gra	ഥ	
THA+YA -gra	ഥ	
THA+RA -gra	ഥ	
THA+LA -gra	ഥ	

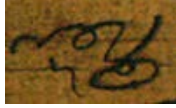
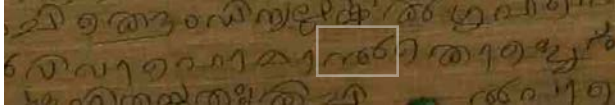
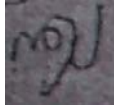
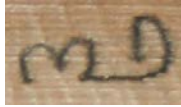
THA+VA -gra	ಲ್ರ	
LETTER DA		
DA+GA -gra	ೃ	
DA+GA+RA -gra	ೃ	
DA+GHA -gra	ೃ	 +voc.R
DA+DA -gra	ೃ	 +vs.I 
DA+DA+vs.U -tig	ೃ	
DA+DA+YA -gra	ೃ	
DA+DA+YA+vs.U -tig	ೃ	
DA+DA+RA -gra	ೃ	

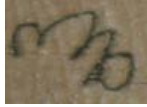
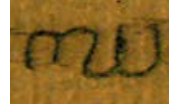
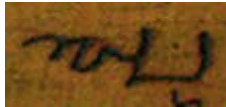
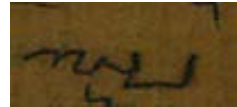
DA+DHA -gra	೧	 
DA+DHA+NA -gra	೧ ೩	
DA+DHA+MA -tig	೧	
DA+DHA+YA -gra	೧	
DA+DHA+RA -gra	೧	
DA+DHA+RA+vs.U	೧	
DA+DHA+VA -gra	೧	 
DA+NA -gra	೩	
DA+BA -gra	೧ / ೧	 
DA+BA+RA -gra	೧	

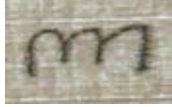
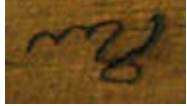
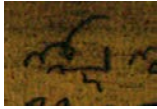
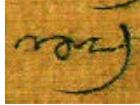
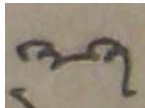
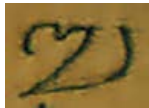
DA+BHA -gra	೩೦	 
DA+BHA+YA -gra	೩೧	
DA+BHA+RA -gra	೩೨	
DA+MA -gra,tig	೩೩	
DA+YA -gra	೩೪	
DA+YA+vs.U -tig	೩೫	
DA+RA -gra	೩೬	
DA+LA -tig	೩೭	
DA+VA -gra	೩೮	
DA+VA+YA -gra	೩೯	

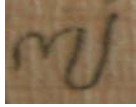
LETTER DHA		
DHA+NA -gra	ಢ	
DHA+MA -gra	ಢ್	
DHA+YA -gra	ಢ್ಯ	
DHA+RA -gra	ಢ್ರ	
DHA+LA -gra	ಢ್ಲ	
DHA+VA -gra	ಢೞ	
LETTER NA		
NA+KA -tig	ಢೆ	 
NA+KA+Virama -tig	ಢೆಃ	

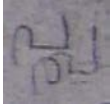
NA+KA+vs.U -tig	ವೈ	
NA+KA+vs.voc.R -tig	ವೈ	
NA+KA+TA	ಣ್ಣ / ದಿಣ್ಣ	
NA+KA+SSA	ವಿಕ್ಕಿ	
NA+GA -tig	ಢ	
NA+GHA -tig	ಢು	
NA+GHA+vs.voc.R	ಢು	
NA+TTA -tig	ಢ್	
NA+TA -gra	ಢ್ಣ	

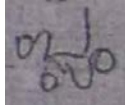
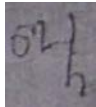
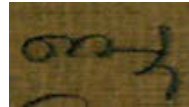
NA+TA+YA -gra	൬	
NA+TA+YA+vs.UU -tig	൬	
NA+TA+Virama -tig	൬	 Tulu language manuscript (Anantavruta Kathe)
NA+TA+RA -gra	൬	
NA+TA+RA+YA -tig	൬	
NA+TA+VA -gra	൬	
NA+TA+SA -gra	൬ / ඌ	
NA+THA -gra,tig	൬	
NA+DA -gra	൬	

NA+DA+vs.U -tig	ೢ	
NA+DA+NA -tig	ೣ	
NA+DA+YA -gra	೤	
NA+DA+RA+VS.I -gra	೥	
NA+DA+VA -gra	೦	
NA+DHA -gra	೧	 
NA+DHA+NA -tig	ೡ	
NA+DHA+YA -gra	ೢ	
NA+DHA+RA -gra	ೣ	
NA+DHA+VA -tig	೤	 

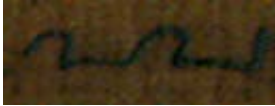
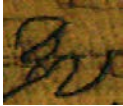
NA+NA -gra	ᳵ	  +Virama
NA+NA+YA	ᳶ	
NA+NA+YA+vs.U -tig	᳷	
NA+PA+virama -tig	᳸	 (rigveda)
NA+BA -tig	᳹	
NA+BA+RA -gra	ᳺ	
NA+BHA -tig	᳻	  
NA+BHA+vs.UU -tig	᳼	
NA+MA -gra,tig	᳽	 
NA+MA+vs.UU -tig	᳾	

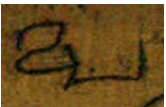
NA+YA -gra	೨	
NA+RA -gra	೨	
NA+LA -gra	೨	
NA+VA -gra	೨	
NA+SHA -gra	೨	
NA+SA -gra	೨	
NA+HA -gra	೨	
LETTER PA		
PA+CHA -tig	೨	
PA+TA -gra,tig	೨	

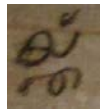
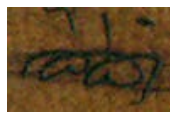
PA+TA+vs.U -gra	ಪ್ತ	
PA+TA+VA -gra	ಪ್ತ	
PA+NA -gra	ಪ್ತ	
PA+NA+vs.U -gra	ಪ್ತ	
PA+PA -gra	ಪ್ತ	
PA+PHA -gra	ಪ್ತ	
PA+MA -gra	ಪ್ತ	
PA+YA -gra	ಪ್ತ	
PA+YA+vs.U -tig	ಪ್ತ	
PA+RA -gra	ಪ್ತ	

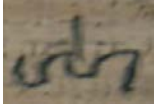
PHA+MA -gra	ಫ್ರ	
PHA+YA -gra	ಫ್ರ	
PHA+RA -gra	ಫ್ರ	
PHA+LA -gra	ಫ್ರ	
PHA+VA -gra	ಫ್ರ	
LETTER BA		
BA+JA -gra	ಫ್ರ ಫ್ರ	
BA+DA -gra	ಫ್ರ	 
BA+DHA -gra,tig	ಫ್ರ ಫ್ರ	
BA+DHA+VA -gra	ಫ್ರ ಫ್ರ	

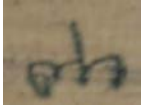
BA+BA -gra	ಬೈ	
BA+BHA -gra	ಬೈ	
BA+MA -gra	ಮೈ	
BA+YA -gra	ಫೈ	
BA+RA -gra	ಫೈ	
BA+RA+vs.UU -tig	ಫೈ	
BA+LA -gra	ಫೈ	
BA+VA -gra	ಫೈ	
LETTER BHA		
BHA+NA -gra	ಢ	

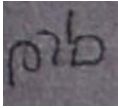
BHA+MA -gra	ಮ	
BHA+YA -gra	ಯ	
BHA+YA+vs.U -tig	ಯ್	
BHA+RA -gra	ರ / ರ	
BHA+LA -gra	ಲು	
BHA+VA -gra	ವ	
LETTER MA		
MA+NA -gra	ಮ	 
MA+NA+YA -tig	ಮಯ	
MA+NNA -tig	ಮಂ	

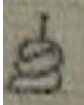
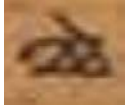
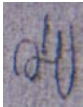
MA+PA -gra	೨೭	
MA+PHA -gra	೨೮	
MA+BA -gra	೨೯	
MA+BHA -gra	೩೦	
MA+MA -gra	೩೧	
MA+MA+YA -gra	೩೨	
MA+YA -gra	೩೩	
MA+RA -gra	೩೪	
MA+LA -gra	೩೫	
MA+VA -gra	೩೬	

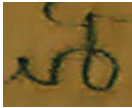
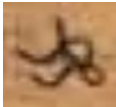
MA+HA -gra	ಮ	
LETTER YA		
YA+SHA -tig	ಯ	
YA+TA -tig	ತಯ	 +virama
YA+YA -gra	ಯ್ಯ / ಯ್	
YA+VA -tig	ವಯ	
LETTER RA		
Reph+KA -gra	ರ	
Reph+KA+KA -tig	ರರ	

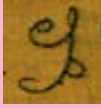
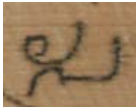
Reph+GA -gra	ಗ	
Reph+GA+GA -tig	ಗಗ	
Reph+GA+YA -gra	ಗ್ರ	
Reph+GHA -gra	ಁ	
Reph+GHA+GHA -gra	ಁಁ	
Reph+GHA+YA -gra	ಁಗ್ರ	
Reph+NGA+GA -tig	ಁಗ	
Reph+CA -gra	ಚ	
Reph+CA+CA -gra	ಚಚ / ಚ್ಚ	
Reph+CA+YA -gra	ಚ್ಚ	

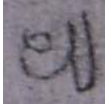
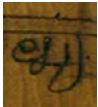
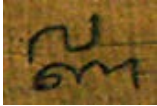
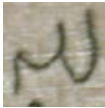
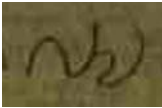
Reph+JA -gra	ಗ್ರಾ	
Reph+JA+vs.U -gra	ಗ್ರಾ	
Reph+TTA -gra	ಗ್ರಾ	
Reph+TTA+TTA -gra	ಗ್ರಾ	
Reph+TTA+TTHA -gra	ಗ್ರಾ	
Reph+TTHA -gra	ಗ್ರಾ	
Reph+NNA -tig	ಗ್ರಾ	
Reph+NNA+NNA -gra	ಗ್ರಾ	
Reph+TA -gra	ಗ್ರಾ	
Reph+TA+vs.voc.R	ಗ್ರಾ	

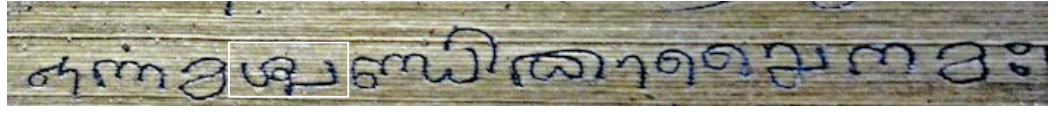
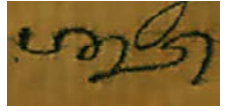
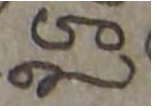
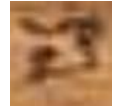
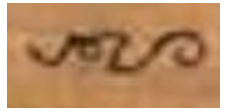
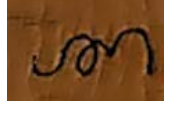
Reph+TA+TA+vs.voc.R -tig	ತ್ತ್	
Reph+TA+THA -gra	ತ್ಠ	
Reph+TA+YA -gra	ತ್ಯ	
Reph+TA+RA -gra	ತ್ಠ	
Reph+THA+YA -gra	ತ್ಠ್ಯ	
Reph+DA -gra	ತ್ಠ	
Reph+DA+DHA -gra	ತ್ಠ್	
Reph+DHA -gra	ತ್ಠ	
Reph+DHA+NA -gra	ತ್ಠ್	
Reph+DA+VA -gra	ತ್ಠ್ಯ	

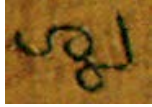
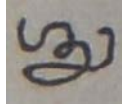
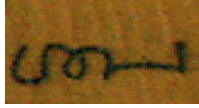
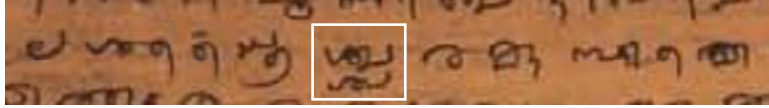
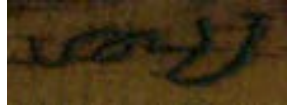
Reph+PA -gra	ರ	
Reph+PA+PA -gra	ರ	
Reph+BA -gra	ಬ	
Reph+BA+BA -tig	ಬ	
Reph+BHA -gra	ಬ	
Reph+MA -gra,tig	ಢ / ಡ	 
Reph+MA+MA -gra,tig	ಢ / ಡ	 (common)   
Reph+YA -gra	ಱ	
Reph+YA+YA -gra	ಱ / ಱ	
RA+RA -tig	ರ	

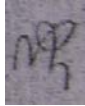
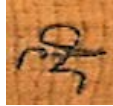
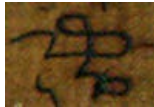
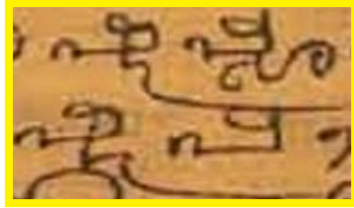
Reph+LA -gra	ಲ'	
Reph+LA+LA -gra	ಲ್ಮ	
Reph+VA -gra	ನ್ಹ / ನ್ಹ	
Reph+VA+VA -gra	ನ್ಪ	
Reph+SHA -gra	ಸ್ಹ	
Reph+SHA+VA -gra	ಸ್ಪ	
Reph+SHA+SHA -tig	ಸ್ಶ	
Reph+SSA -gra	ನ್ಶ	
Reph+SSA+NNA -gra	ನ್ಶ್ಚ	
Reph+HA	ನ್	

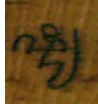
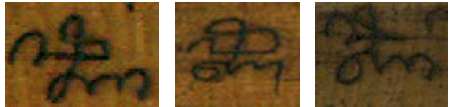
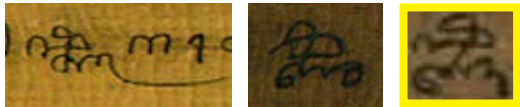
Letter LA		
LA+Vocalic R+U Matra	ಲ್ಯ	 (Can also be used to denote Voc. LL / LRUU)
LA+KA -gra	ಲ್ಯ (ಲ್ಯ)	  +vs.U
LA+GA -gra	ಲ್	
LA+GA+vs.U -gra	ಲ್	
LA+PA -gra	ಲ್	
LA+PA+vs.I -gra	ಲ್	
LA+PA+YA -gra	ಲ್	
LA+BA -gra	ಲ್	
LA+MA -gra	ಲ್	

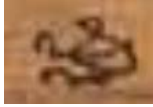
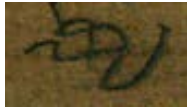
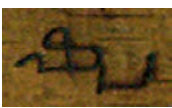
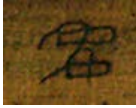
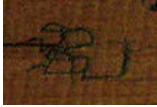
LA+YA -gra	ೞ	
LA+RA -gra	ಠ	
LA+LA -gra	ಘ	
LA+LA+YA -tig	ಘ್ಯ	
LA+VA -gra	ಘ	
Letter VA		
VA+NNA -tig	ಞ ಞ	
VA+YA -gra	ಞ	 
VA+RA -gra	ಞ	

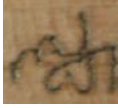
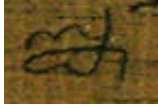
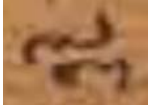
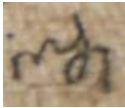
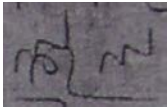
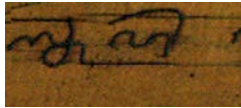
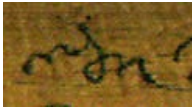
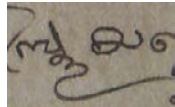
Letter SHA		
SHA+CA -gra	ശ (ശ്ച)	  (SHA+CA+vs.I)   Confusable with SHA+VA
SHA+CHA -gra	ശ്ശ	
SHA+TTHA	ശ്ത	
SHA+NA -gra	ശ്ന	
SHA+PA -tig		
SHA+MA -gra	ശ്മ	 
SHA+YA -gra	ശ്യ	

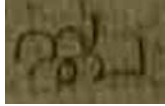
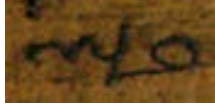
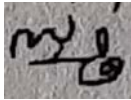
SHA+RA -gra	ശ	
SA+RA+vs.U -tig	ശി / ശി	
SHA+RA+vs.U -tig	ശ	
SHA+LA -gra	ശ്ശ	 
SHA+VA -gra	ശ്വ	 (confusion with SHA+CA/PA)
SHA+VA+SHA+PA -tig		
SHA+VA+YA -tig	ശ്വ	 
SHA+SHA -gra	ശ്ശ	
SHA+SHA+YA -tig	ശ്ശ	

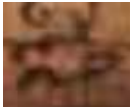
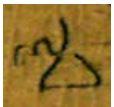
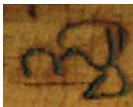
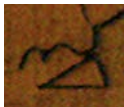
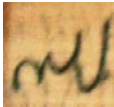
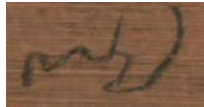
Letter SSA		
SSA+KA -gra	𑌕𑌃	
SSA+KA+vs.UU	𑌕𑌃𑌔	
SSA+KA+vs.voc.R -tig	𑌕𑌃𑌔	
SSA+KA+RA -gra	𑌕𑌃𑌔	
SSA+HA -gra	𑌕𑌃𑌔	
SSA+TTA -gra	𑌕𑌃𑌔	   +vs.I
SSA+TTA+vs.U	𑌕𑌃𑌔	  
SSA+TTA+vs.voc.R	𑌕𑌃𑌔	

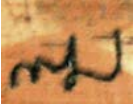
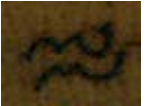
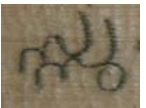
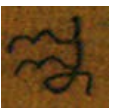
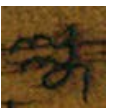
SSA+TTA+YA -gra	ಚ್ಚಿ	
SSA+TTA+RA -gra	ಕ್ಚಿ	
SSA+TTA+VA -gra	ವ್ಚಿ	
SSA+TTTHA -gra	ಞ್ಚಿ / ಞ್ಚಿ / ಞ್ಚಿ	
SSA+TTTHA+vs.UU -tig	ಞ್ಚಿ	
SSA+TTTHA+YA -tig	ಞ್ಚಿ	
SSA+NNA -gra,tig	ಞ್ಚಿ	
SSA+NNA+vs.U -tig	ಞ್ಚಿ / ಞ್ಚಿ / ಞ್ಚಿ	
SSA+NNA+vs.UU -tig	ಞ್ಚಿ	

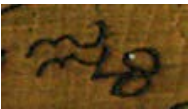
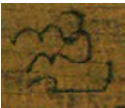
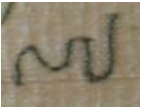
SSA+PA -gra	ಕ್ರ(ಪ್ರ)	 
SSA+PA+YA -gra,tig	ಕ್ರೈ	
SSA+PA+RA -gra,tig	ಕ್ರೈ	
SSA+PHA -tig	ಕ್ರೈ	
SSA+MA -gra	ಕ್ರೈ	
SSA+YA -gra	ಕ್ರೈ	  
SSA+LA -gra	ಕ್ರೈ	
SSA+VA -gra	ಕ್ರೈ	
SSA+SSA -tig	ಕ್ರೈ / ಕ್ರೈ	
SSA+SSA+VA -tig	ಕ್ರೈ	

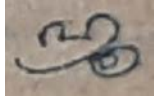
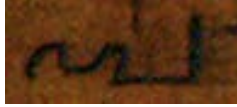
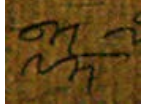
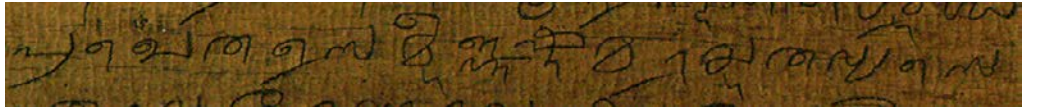
Letter SA		
SA+KA -gra	ಗ್ರೆ	 
SA+KA+vs.voc.R -tig	ಗ್ರೆ	 
SA+KHA -tig	ಖ್ರೆ	
SA+CA -tig	ಕ್ರೆ	
SA+TTA+Virama -tig	ಕ್ರ	
SA+NNA - tig	ನ್ರ	
SA+TA -gra	ಗ್ರ	
SA+TA+vs.U -gra	ಗ್ರ	    
SA+TA+vs.UU -tig	ಗ್ರ	 

SA+TA+RA -tig	ಗ್ರೆ	
SA+TA+VA -tig	ಗ್ರೈ	
SA+TA+THA -tig	ಗ್ರೈ	 +vs.I
SA+TA+TA -tig	ಗ್ರೈ	
SA+TA+YA -gra	ಗ್ರೈ	
SA+TA+RA -gra	ಗ್ರೆ	
SA+TA+VA -gra	ಗ್ರೈ	
SA+THA -gra	ಗ್ರೈ / ಗ್ರೈ	  +UUmatra
SA+NA -gra	ಗ್ರೈ	
SA+NA+YA -gra	ಗ್ರೈ	

SA+PA -gra	ಗ್ರಾ	
SA+PA+vs.UU -tig	ಗ್ರಾ	
SA+PA+vs.voc.R -tig	ಗ್ರಾ	 
SA+PA+YA -gra	ಗ್ರಾ	
SA+PHA -gra	ಗ್ರಾ	
SA+PHA+vs.U -tig	ಗ್ರಾ	
SA+MA -gra,tig	ಗ್ರಾ	  +vs.I  
SA+MA+vs.I -gra	ಗ್ರಾ	
SA+MA+YA -gra	ಗ್ರಾ	
SA+YA -gra	ಗ್ರಾ	  

SA+RA -gra	ಗ್ರ	
SA+LA -gra	ಗ್ಲ	
SA+VA -tig	ಗ್ರ / ಗ್ಲ	
SA+SA -gra	ಗ್ಗ	
SA+SA+vs.voc.R -tig	ಗ್ಗ	
SA+SA+vs.U -tig	ಗ್ಗ	
SA+SA+KA	ಗ್ಗ	
SA+SA+TA -tig	ಗ್ಗ	 
SA+SA+TA+vs.U -tig	ಗ್ಗ	
SA+SA+THA+vs.U -tig	ಗ್ಗ	

SA+SA+THA+vs.U -tig	ಪ್ಪು	
SA+SA+PA -tig	ಪ್ಪ	
SA+SA+VA -tig	ಪ್ಪು	
Letter HA		
HA+NNA -gra		
HA+NA -gra	ಱ	
HA+NA+YA -gra	ಱು	
HA+MA -gra,tig	ಱು	  +vs.I  +vs.I
HA+YA -gra	ಱು	
HA+RA -gra	ಱು	

HA+RA+vs.U -tig	ಝ	
HA+RA+vs.UU -tig	ಞ	
HA+LA -gra	ಞ	
HA+VA -gra	ಞ	
LETTER LLA		
LLA+GA -tig	ಞ	 +VS.I
LLA+PA -tig	ಞ	
LLA+BHA+vs.U -tig	ಞ	 
LLA+YA -tig	ಞ	