

nabc language for gregorio

AL
II

A

L- le- lú- ia. ¶. Ve- ni Sancte

Spí- ri- tus, replé tu- ó- rum corda fi- dé- li- um: et tu- i a- mór-

is in e- is ignem ac- cénde.




CO
II

O

M- nes * qui in Chris- to bap- ti- zá- ti es- tis, Chris- tum in-

du- í- stis, al- le- lú- ia.



The nabc language provides the ability to describe some adiastrumatic neumes, for now just the St. Gallen and Laon (Metz notation family) style. The language is partially based on Dom Eugène Cardine's Table of neumatic signs, but for more complex neumes doesn't always match how the neumes are called; instead attempts to make it easier to compose complex neumes from basic glyphs. To describe adiastrumatic neumes in gabc, the header should contain nabc-lines: 1; line, like:

```
nabc-lines: 1;
(f3) AL(ef~|ta>)le(fg/hggf|peclhgpil)lú(ef~|ta>)ia.(f.|ta-) (,)
(ii//|bv-|gh!ivHG//|vi-hhpu2su1sut1|fhg/|to|eef.|pt) (;)
```

The nabc snippets are then separated by | character from gabc snippets or other nabc snippets. Every gabc snippet may be followed by multiple nabc snippets. The maximum number of consecutive nabc snippets is the number declared in the header field nabc-lines: x;. After reaching that number of consecutive nabc snippets another gabc snippet followed by nabc snippets can follow. A single nabc snippet is not split into multiple lines, so for larger melismatic pieces it is desirable to synchronize the gabc snippets with corresponding nabc snippets. With nabc-lines: 1; the gabc and nabc snippets form an alternating pattern, like (gabc|nabc|gabc|nabc|gabc), in this case the last gabc snippet does not have any corresponding nabc neumes. With nabc-lines: 2; the snippets ordering could be e.g. (gabc|nabc1|nabc2|gabc|nabc1).

Each nabc snippet consists of a sequence of *complex neume descriptors*. Each *complex neume descriptor* consists of optional *horizontal spacing adjustment descriptor*, then *complex glyph descriptor*, optionally followed by a sequence of *subpunctis and prepunctis descriptors*, optionally followed by a sequence of *significant letter descriptors*.

The *horizontal spacing adjustment descriptor* consists of a sequence of horizontal spacing adjustment characters / and `.

- // move by nabclargerspace skip to the right
- / move by nabcinterelements space skip to the right
- `` move by nabclargerspace skip to the left
- ` move by nabcinterelements space skip to the left

The *complex glyph descriptor* consists of a *glyph descriptor*, optionally followed by a sequence of other *glyph descriptors*, all separated by the ! character. This is used to describe more complex glyphs, where certain basic glyphs are connected together.

Each *glyph descriptor* consists of a *basic glyph descriptor*, followed by optional *glyph modifiers*, followed by optional *pitch descriptor*.

The following description is for the St. Gall family of neumes, when using the gregall or gresgmodern fonts. For details on Laon (Metz notation family) neumes see 4.

The *basic glyph descriptor* is a two-letter string from the following table:

vi ✓ virga	po ✓ porrectus	tr ✓ torculus resupinus	tv /// trivirga	pq ✓ pes quassus
pu . punctum	to . torculus	st . stropa	pr ✓ pressus maior	ql ✓ quilisma (3 loops)
ta . tractulus	ci ✓ climacus	ds . distropa	pi . pressus minor	qi ✓ quilisma (2 loops)
gr . gravis	sc ✓ scandicus	ts . tristropa	vs ✓ virga strata	pt ✓ pes stratus
cl ✓ clivis	pf ✓ porrectus flexus	tg . trigonus	or . oriscus	
pe ✓ pes	sf . scandicus flexus	bv ✓ bivirga	sa ✓ scandicus	

The *glyph modifiers* is a possibly empty sequence of following characters optionally followed by a number:






- S modification of the mark
- G modification of the grouping (neumatic break)
- M melodic modification
- - addition of episema
- > augmentive liquescence
- ~ diminutive liquescence





If Dom Cardine's table contains multiple glyphs with the same modifiers, a positive number is added afterwards. E.g. for augmentive liquescent clivis the table shows two different glyphs, the ancus cl> ✓ and then another neume - cl>1 ✓, the first neume does not contain any number after it, while the 1 indicates first variant.

The *pitch descriptor* allows to specify the vertical position of the neume. There are no staves, so the vertical position is only rough. For pitches the same letters as in gabc are used, a through n and p. If the *pitch descriptor* is missing, the default is hf, otherwise it consists of the letter h followed by the pitch letter. Within the *complex glyph descriptor*, each *basic glyph descriptor* has its own pitch, but in the current fonts there are no glyphs with different relative pitches, so if you use a *pitch descriptor* on any of the *basic glyph descriptors* in the *complex glyph descriptor*, it is best to use the same one on all the other *basic glyph descriptors* in the same *complex glyph descriptor*.









The *subpunctis and prepunctis descriptor* consists of the letters su for subpunctis or pp for prepunctis, followed optionally by a modifier letter from the following table and finally a mandatory positive number of repetitions. If the modifier letter is missing, it is a punctum.

- t . tractulus
















































- u  tractulus with episema
- v  tractulus with double episema
- w  gravis
- x  liquescens strophæ
- y  gravis with episema

Only subpunctis are normally used in neume classification, the prepunctis is a nabc concept to describe the rising sequence of punctis, tractulis etc. in the left low corner of some neume. While e.g. vipp2  describes the same neume as sc , the former form allows better control on how many punctis or tractulis or tractulis with episema etc. there are. Some examples: ppt3  stands for 3 raising tractulis with episema, while su1sut1sux1  stands for a punctum, followed by tractulus, followed by liquescens strophæ.

The *significant letter descriptor* consists of the letters ls, followed by a shorthand of the significant letter or common group of them, followed by a number - a rough position relative to the *complex glyph descriptor* glyph with prepunctis and subpunctis attached to it. If more than one *significant letter descriptor* is used on the same *complex neume descriptors* for the same position, then they are ordered in the order they are written in the nabc snippet at that position. The position numbers are:

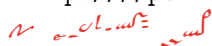
- | | | |
|--|---|---|
| 1  left upper corner | 2  above the neume | 3  right upper corner |
| 4  to the left of the neume | | 6  to the right of the neume |
| 7  left bottom corner | 8  below the neume | 9  right bottom corner |

The shorthands, including the ls prefix, which should be followed by the above mentioned position digit:


lsal  altius	lsiv  iusum valde	lss  sursum
lsam  altius mediocriter	lsk  klenche	lssb  sursum bene
lsb  bene	lsl  levare	lssc  sursum celeriter
lsc  celeriter	lslb  levare bene	lssimil  similiter
lscm  celeriter mediocriter	lslc  levare celeriter	lssimul  simul
lscw  coniunguntur	lslen  leniter	lssm  sursum mediocriter
lscw  celeriter (wide form)	lslm  levare mediocriter	lsst  sursum tenere
lsd  deprimatur	lslp  levare parvum	lssta  statim
lse  equaliter	lslt  levare tenere	lst  tenere
lseq  equaliter	lsm  mediocriter	lstb  tenere bene
lsew  equaliter (wide form)	lsmoll  molliter	lstm  tenere mediocriter
lsfid  fideliter	lsp  parvum	lstw  tenere (wide form)
lsfr  frendor	lspar  paratim	lsv  valde
lsg  gutture	lspfec  perfecte	lsvol  volubiliter
lsi  iusum	lspm  parvum mediocriter	lsx  expectare
lsim  iusum mediocriter	lspulcre  pulcre	

Finally a commented example of a nabc snippet:


```
``po///pe>2lse7ls13qlhh!vshhppt1sut2q1>ppu3
```





`` stands for a negative horizontal skip (move to the left) by nabcenterelements space and nabclargerspace.

po  is a basic porrectus, at the default pitch (height hf).


























/// stands for a horizontal skip (move to the right) by two times nabclargerspace.

pe>2lse7ls13  stands for the 3rd augmentive liquescent form of podatus (epiphonus with tractulus, see the following page) at the default pitch, with equaliter in the low left corner and levare in the upper right corner.





qlhh!vshhppt1sut2  stands for a 3 loop quilisma joined with virga strata, both at relative pitch 2 above the default one, with a single tractulus before it and two subpunctis - tractulis.

q1>ppu3  is a 3 loop liquescent quilisma with 3 tractulis with episema before it.

The *basic glyph descriptor* for Laon neumes is very similar to the one used for St. Gall neumes, but with uncinus and oriscus-clivis added and strophæ, 2 loops quilisma and gravis removed:























un 	pe 	tr 	pi 
vi 	po 	ds 	vs 
pu . punctum	to 	ts 	or 
ta 	ci . climacus	tg 	sa 
gr gravis	sc 	bv 	pq 
cl 	pf 	tv 	ql 
oc 	sf 	pr 	pt 

The *subpunctis and prepunctis descriptor* consists of the letters su for subpunctis or pp for prepunctis, followed optionally by a modifier letter from the following table and finally a mandatory positive number of repetitions. If the modifier letter is missing, it is a punctum.
















- n 
- q 
- z 
- x 

The *significant letter descriptor* for Laon neumes allows another position, 5, which stands for inside the neume. The exact position of the letter depends on the glyph, if there is no glyph with the neume inside of it, it can't be positioned inside the neume.

The shorthands, including the 1s prefix, which should be followed by the above mentioned position digit for Laon neumes are:

lsa 	lsnl 
lsc 	lsnt 
lseq 	lsm 
lseq- 	lsmd 
lsequ 	lss 
lsf 	lssimp 
lsh 	lssimpl 
lshn 	lssp 
lshp 	lsst 
lsl 	lst 
lsn 	lsth 

For the Tironian notes the form of the *significant letter descriptor* starts with the 1t prefix followed by letters from the following list, followed by above mentioned position digit (5 can't be used):

lti 	ltsj 
ltdo 	ltsl 
ltdr 	ltsn 
ltdx 	ltsp 
ltps 	ltsr 
ltqm 	ltst 
ltsb 	ltus 
ltse 	






























































































































































































Names of Symbols	Simple Symbols	Symbols differentiated by				Symbols indicating a special meaning		
		the addition		the modification		melodic	phonetic	
		of letters	of episemas	of the mark	of the grouping (neumatic break)		liquescence	
							augment.	diminut.
virga		 vilsc3  vilst1  vippt1lsc2	 vi-				 vi>	
tractulus		 talsc3  talst2					 ta>	
punctum							 st  visu1sux1	
gravis								
clivis		 cl1sc3  cl1st2  cl-1st2	 cl-  clS-	 clS  clS1		 clM	 cl>  cl>1	 cl-
pes			 pe-  pe-1	 peS	 peG	 peG	 pe>  pe>1  pe>2	 pe-
porrectus		 polsc2	 po-  po-1		 poG		 po>	 po-
torculus		 tolsc3  tolsc4lsc3  tolst2	 to-  to-1	 toS  toS1  toS2  toS3	 toG	 toM  toM1	 to>	 pe>
climacus		 cilsc3  cilst2	 ci-	 ciS  ciS1  visut1su2	 ciG  ciG1	 ciM	 ci>	 ci-
scandicus			 sc-	 scS	 scG  scG1	 scM1	 sc>	 sc-
	 sc1		 vi-hevi-hivi-hm			 vihevihivihm		
porrectus flexus		 pflsc2  pfl1sc2  pflst2	 pf-	 pfS	 sfM	 pfM	 pf>	 pf-
pes subbipunctis		 vippt1su2lsc3	 pe-su2  pe-1su2	 peSsu2  peSsut2	 vippt1su2	 vi-!ci  pesu1suw1	 pesu1sux1	 to>
			 pe-1sut2		 toS2sut1			
scandicus flexus		 sflsc3	 sf-	 sfS	 vi-tohk  peclhi	 sfM	 cl>ppt2	 sc>
torculus resupinus		 trlsc2  trlst2	 tr-1	 trS	 trG  trG1  trG2	 trM	 tr>	 tr-
apostropha			 st-	 stS			 st>	
distropha		 ds-lsx6	 ds-				 ds>	
tristropha		 ts-lsx6	 ts-			 tsM	 ts>	
trigonus	 tg tg1			 tgS  tgS1  tgS3		 tgM		 ds>
bigirga & trivirga	 bv  tv		 bv-  tv-				 bv>	
pressus	 pr  pi	 prlsc2  pr-lsc2  prlst2	 pr-			 prM	 pr>  pi>	 vs>
virga strata		 vslsc3  vslst2	 vs-				 vs>	 ta>
oriscus							 or>	
salicus	 sa  sa1	 salsfr1  saM1lscfr1	 sa-  sa-1		 saG	 saM  saM1  saM2	 sa>  sa->1	 pe>2
pes quassus		 pq1sfr1	 pq-				 pq>	
quilisma			 ql-  qi-				 ql>  qi>	
pes stratus								

Table from Cardine's Gregorian Semiology, pp. 12-13 with nabc strings and gregall glyphs.
























































































Name of Symbols	Simple Symbols	Symbols differentiated by			Symbols indicating a special meaning		
		the modification		the addition of letters	melodic	phonetic	
		of the mark	of the grouping (neumatic break)			Liquescence	
						augment.	diminut.
uncinus							
punctum							
virga		 viS  vihh				 vi>1	
tractulus		 ds  ts		 talst2  tslsc2lst2		 ta>2	
clivis			 clG	 cllsm9  cl1st9  clGlsa5	 clG1  clM	 cl>  cl>1	 vi>  ta>2
pes			 peG	 pelsn3  pelst2  pelsc2		 pe>1	 ta>
porrectus			 poG		 poM	 po>	
torculus		 toS1	 toG	 toGlsa5  toSlsa5  toSsun1lsa5  tolst9		 to>	
climacus		 pusu1sun1  visu2  unsun2		 visu2lst3			 cl>1
scandicus	 	 vippn1pp1  vippn2	 pevihl	 sclst2  pelst2vihl  pelsa2vihl		 vi>1pp2	 ta>ppn1  ta>pp2
porrectus flexus		 pfS	 unhg'to  po'un	 unhg1st2'to  po'unlsa2	 pfM	 pf>	
(pes subbipunctis)		 tosun1	 vippn1su2  unppn1sun2	 tosu1lsc5  tosun1lsa5			
			 visu1sun1	 un1st2'puhisu1sun1			
scandicus flexus			 unhd'to  sfG	 unhdlst2'to  pelst2clhh			
torculus resupinus		 trS	 poppn1  pe'peG	 trSlsc1  trlst3  trlst9		 tr>	 pe'ta>
			 tovihg  toGvihg				
clivis + pes or torculus	 cl!pe  cl!to	 toS!pe	 toS!to				
oriscus	 or  or1	isolated & at the syllabic articulation	 ql			 or>	
			 oc  oc!vi  pq  pq1				
		inside the neume	 tg				
			 cl1!or  cl1!pi  cl1!pi!vi  cl1!pi!cl  cl1!pi!to				
			 to!or				
			 sa  sa1				
			 vs  vsG				
quilisma	 ql  ql!cl  ql!po						
pes stratus		 pt1		 pe!or			

Table from Cardine's Gregorian Semiology, pp. 14-15 with nabc strings and grelaon glyphs.

Table with nabc strings and corresponding gregall and gresgmodern glyphs:

bv			cllsc3		missing	pe!vi		
bv-			cllst2		missing	pe-		
bv-sut2		missing	clpp2			pe-1		
bv>			clppt1			pe-1su1sut1		
ci			clppt2			pe-1su1sut2		
ci-			cl~			pe-1su1suu1		
ci-pp2			ds			pe-1su1suu2		
ci1			ds-			pe-1su1suw1		
ci>			ds>			pe-1su2		
ciG			ds!sx6		missing	pe-1sut1suw1		missing
ciG1			gr			pe-1sut1sux1		
ciM			gr-			pe-1sut2		
ciM-	missing		gr-lsc6		missing	pe-1sut3		
ciS			lsal			pe-1suu1su2		missing
ciS1			lsam			pe-1suw2		
ciSppt1			lsb			pe->		
cilsc3		missing	lsc			pe->1		
cippt1			lscm			pe-su1sut1		
cippt1lsc3		missing	lsc0			pe-su2		
cippu1			lscw		missing	pe-su2suy1		
cippu1lsc3		missing	lsd		missing	pe-su3sut1		
ci~			lse			pe-su4		
cl			lseq		missing	pe>		
cl!cl>1			lsew		missing	pe>1		
cl!clS			lsfid		missing	pe>2		
cl!clSsut2			lsfr			pe>ppt1	missing	
cl!pi			lsg			peG		
cl!pilsc1lst3		missing	lsi			peS		
cl!pilsc2		missing	lsim			peSsu1sux1		
cl!po			lsiv		missing	peSsu2		
cl!po-1			lsk			peSsut1su2		
cl!po>			lsl			peSsut2		
cl!po>ppt1			ls!b			peSsut3		
cl!pr			lslc			peppt1		
cl-			lslen		missing	pesu1sut1		
cl-!pi			lslm			pesu1sut2		missing
cl-1su2			lslp			pesu1sut3		
cl->			lslt			pesu1suu1		
cl->1			lsm			pesu1suw1		
cl-lst2		missing	lsmoll			pesu1sux1		
cl-ppt1	missing		lsp			pesu2		
cl-ppt2			lspar		missing	pesu2sut1		missing
cl>			lspfec		missing	pesu2suv1		
cl>1			lspm			pesu3		
cl>pp2	missing		lspulcre		missing	pesut2		
cl>ppt2			lss			pesuv1su1sut1		
clM			lssb			pe~		
clM-			lssc			pf		
clMpp2	missing		lssimil			pf!cl-		
clS			lssimul		missing	pf!clM-		
clS-			lssm			pf!clM-ppt1		
clS-1			lssst			pf!cl~		
clS-su2			lsssta		missing	pf!cl~ppt1		
clS1			lst			pf!pr		
clSsu1sut1								

pfS			pt			ql!vsppt1sut2		
pflsc2		missing	pu			ql!vssu2		
pfllst2		missing	qi			ql!vssu3		
pf~			qi!cl			ql!vssut2		
pi			qi!cl-			ql-		
pi>			qi!cl>			ql-ppt1		
piM	missing		qi!clppt1			ql-ppt1su1sut2		
pilsc2		missing	qi!po			ql-ppt1su1suu1		
pilst2		missing	qi!po>		missing	ql-ppt1su1sux1		
pisu1			qi!vs			ql-ppt1su2		
pisut1			qi!vsppt1			ql-ppt1su3		
po			qi!vsppt1su1sut2		missing	ql-ppt1sut2suu1		
po-			qi!vsppt1su2			ql-ppt1suu2		
po-1			qi!vssu1sut2		missing	ql-ppt2su1suv1su2		
po-1pp2su1sux1			qi!vssu2			ql-su1sut1		
po-1su1sux1			qi-			ql-su1sut2		
po-1su2			qi-ppt1su1sut2			ql-su1suu1		
po-2	missing		qi-ppt1suu1su1sut2		missing	ql-su1suu2		
po>			qi-su1sut2			ql-su1suv1su2		
poG			qi-su1sux1			ql-su1sux1		
poG-			qi-su2			ql-su2		
poG-1	missing		qi-sut2			ql-su3		
poG1	missing		qi-sut3			ql-sut1sux1		
polsc2		missing	qi-su1su1sut2		missing	ql-sut2		
posu1sut1		missing	qi>			ql-sut2suu1		
posu2			qi>ppt1			ql-suu2		
po~			qippt1			ql>		
pp1			qippt2sut2			ql>ppt1		
pp2			qisu2		missing	qlppt1		
pp3			qisut1sux1			qlppt1su2		missing
pp4			qisut2			qlppt1sut3		
pp5	missing		ql			qlsu2		missing
ppt1			ql!cl			qlsut2		
ppt2			ql!cl!cl>			qlsut3		
ppt3			ql!cl!cl>ppt1			sa		
ppt4			ql!cl!pi			sa!cl		
ppt5			ql!cl!pippt1			sa!cl-		
ppu1			ql!cl-			sa!cl>		
ppu2			ql!cl>			sa!clS-1		
ppu3			ql!cl>ppt1			sa!clS1		
ppu4			ql!cl-ppt1			sa!clS1lsc2		missing
ppu5			ql!cl>ppt1			sa-		
pq			ql!clM			sa-1		
pq!cl			ql!clMppt1			sa->1		
pq!cl-			ql!clS	missing		sa-lsfr1		missing
pq!cl>			ql!clS-2			sa-su2sut1		
pq-			ql!clS-2ppt1			sa1		
pq-su2			ql!clS-2ppt1sut1			sa1!cl->		
pq>			ql!clS-2sut1			sa1!cl>		
pqS			ql!clppt1			sa>		
pqS-	missing		ql!pf			sa>1	missing	
pqS>			ql!pf-			sa>2		
pqlsfr1		missing	ql!po			saG		
pr			ql!po-1			saM		
pr-			ql!po-1ppt1			saM-1		
pr-lsc3		missing	ql!po>			saM-4		
pr>			ql!poppt1			saM1		
prM			ql!po~			saM2		
prlsc2		missing	ql!po~ppt1			saM3		
prlst2		missing	ql!vs					

saM5		missing	sut1sux1			to>pp2		
saM5ppt1		missing	sut2			toG		
salsfr1		missing	sut2su2			toM		
sapp1			sut2suu1			toM-	missing	
sa~			sut2sux1	missing		toM1		
sc			sut2suy1			toM2	missing	
sc-			sut3			toM2-	missing	
sc-1	missing		sut3suw1			toM3		
sc1			sut3suy1			toS		
sc>			sut4			toS1		
scG			suu1			toS2		
scG-1			suu1su1sut2		missing	toS2su2		
scG1			suu1su2			toS2sut1		
scM	missing		suu2			toS2sut2		
scM1			suu2su2			toS2sux1		
scM2			suu3			toS3		
scS			suv1			toS3lst2		missing
sc~			suv1su1sut1			toS4	missing	
sf			suv1su2			toSsu2		
sf-			suw2			tolsc3		missing
sf>	missing		ta			tolsc4lst3		missing
sfG	missing		ta-			tolst2		missing
sfG1	missing		ta>			toppt1	missing	
sfM			ta>ppt1			toppu1		
sfM1	missing		talsc3		missing	tr		
sfS			talst2		missing	tr-	missing	
sflsc3		missing	tg			tr-1		
st			tg1			tr-1su2		
st-			tgM			tr-2	missing	
st>			tgS			tr-3		
stS			tgS-			tr~		
su1			tgS1			tr~-1		
su1sut1			tgS2	missing		tr>		
su1sut1su1sut1			tgS3			trG		
su1sut1su2			tgS4			trG1		
su1sut1sux1			tgSsuu1			trG2		
su1sut1suy1			tgsuu1			trM		
su1sut2			to			trS		
su1sut2su1			to!ciG			trS-		
su1sut3			to!ciGhh		missing	trS1		
su1suu1			to!cl			trSsut2		
su1suu1su1			to!cl!cl			trlst2		missing
su1suu1su2			to!cl!cl!cl			trsu3		missing
su1suu2			to!cl!pi			tr~		
su1suv1			to!cl!po			ts		
su1suv1su2			to!cl!po-1			ts-		
su1suw1			to!cl-			ts>		
su1sux1			to!cl!cl-			tsM		
su2			to!cl-1			tsM-		
su2sut1			to!clS			tslsx6		missing
su2suv1			to!pi			tv		
su2suw1			to!po			tv-		
su2sux1			to!posu2			vi		
su2suy1			to!pr			vi-		
su3			to-			vi-!ci		
su3sut1			to-1			vi-!vi!vi		
su4			to-1su1			vi-!vi-!vi		
su5			to-1su2			vi->		
sut1			to-1suu1		missing	vi-lst3		missing
sut1su1sux1	missing		to-1suu1su2			vi-pp2		
sut1su2			to->			vi-pp4		
sut1suu1			to>			vi-ppt2		
sut1suw1		missing	to>1			vi-ppt3		
			to>2		missing			

vi-su1sut1		vi>pp2		visu2	
vi-su1sut1su2		vi>ppt2		visu2lsc3	missing
vi-su1sut2		vi>ppt3		visu2sut1	missing
vi-su1sut2su1		vilsc3	missing	visu2suw1	
vi-su1suu1		vilst1	missing	visu2sux1	
vi-su1suu1su1		vipp2		visu3	
vi-su1suu1su2		vipp3		visu5	
vi-su1suu2		vipp4		visut1su2	
vi-su1suw1	missing	vippt1su1sut1		visut1sux1	
vi-su1sux1		vippt1su2		visut2	
vi-su2		vippt1su2lsc3	missing	visut2su2	
vi-su2sut1		vippt2		visut2sux1	missing
vi-su2suw1	missing	vippt3		visut2suy1	
vi-su2sux1		vippu1su2		visut3	
vi-su3		vippu1su2lsc3	missing	visut3suw1	
vi-su4		visu1sut1		visut3suy1	
vi-sut1su2		visu1sut1su1sut1		visut4	
vi-sut1suu1		visu1sut1su2		visuu1su2	
vi-sut1sux1	missing	visu1sut1sux1		visuu2su2	
vi-sut2		visu1sut1suy1		visuv1su2	
vi-sut2sux1	missing	visu1sut2		vs	
vi-sut3		visu1suu1		vs-	
vi-sut4		visu1suu1su2		vs->	
vi-suu1su2		visu1suv1		vs>	
vi-suu2		visu1suw1		vslsc3	missing
vi-suu2su2		visu1sux1		vslst2	missing
vi-suu3				vs~	
vi>					

Table with nabc strings and corresponding grelaon glyphs:

bv		cl1!pi!tosun1		lssimpl		pelsa2	
bvlsa2		cl1!pi!vi		lssp		pelsc2	
bvsun4		cl1!pi>		lsst		pelsl2	
ci		cl1!pilsn3lsa6		lst		pelsm2	
cilsf1		cl1!pilsn8		lsth		pelsn2	
cilsn8		cl1!pilsn9		ltdo		pelsn3	
cl		cl1!pilst9		ltdr			
cl!cl!cl		cl1!pilst9		ltdx		pelsst1lsm4	
cl!cl!clsn9		cl1!pipp2		lti		pelsst2	
cl!cl!clsun1lsa5		cl>		ltps		pelst2	
cl!cl!pi		cl>1		ltqm		pesu2	
cl!cl!pi!vi		cl>1pp2		ltsb		pesu2lst3	
cl!cl!po		cl>lsa5		ltse		pesu2sun1	
cl!cl!to		clG		ltsj		pesun3	
cl!or		clG1		ltsl		pesun3lss1lsa3	
cl!orpp2		clGlsa5		ltsn		pf	
cl!pe		clGlsnl2		ltsr		pf1	
cl!pelsc2		clM		ltst		pf2	
cl!pelsn7		clshn8		ltus		pf>	
cl!pelst2		cllsm2		oc		pf>1	
cl!pi!vi>		cllsn8		oc!cl		pf>2	
cl!po		cllsn9		oc!clM		pfM	
cl!popp3		cllsnt2		oc!pe		pfMlsm4	
cl!to		cllsst6		oc!pe!pu		pfS	
cl!to!cl!cl		cllsst8		oc!vi		pfppn1ppq1sun1lsa5	
cl!to!pi		cllst9		oc!visun1		pfsun1	
cl!to!pi!cl		clsu2sun1lst6		ocG		pfsun1lsn5	
		clsu3lst5		ocG1		pf~	
cl!to!pi!clpp2		clsun1lst5		ocGlsa5		pf~1	
cl!to!pi!clpp2lsn9		ds		oclst8		pi	
cl!to!pipp2		ds1		or		po	
cl!to>		ds1!clsu1sun1		or1		po>	
cl!tolst9		ds1!clsu1sun1lst5		or>		po>1	
cl!topp2		ds1!clsun2		or>lsa1		po>pp2	
cl!toppz1su1sun1		ds1!clsun2lst5		orlst3		po>ppn1	
cl!tosu1		ds1!ds1		orsu1sun1		po>ppn1ppz1	
cl!tosu1lsc6		ds1!ts		orsu1sun1lsc2		poG	
cl!tosu1lsc6lst8		ds1!ts1		orsu1sun1lsc3		poM	
cl!tosun1lsa5		ds1pp3		pe		poMsun1	
cl1!or		dslst2		pe!or		polsf2lst3	
cl1!orlsc3		dslst8		pe!pu		polst2	
cl1!orlss3		lsa		pe!ta		popp2	
cl1!orpp2		lsc		pe!ta>2		popp2su1sux1	
cl1!orsun1		lseq		pe!ta>2lsa2		poppn1	
cl1!orsun1lsa5		lseq-		pe!talsa2		posu1sun1	
cl1!pi		lsequ		pe!talsc1lst2		posun1lsa5	
cl1!pi!cl		lsf		pe!un		posux1	
cl1!pi!orsun1		lsh		pe!unlsc2		posux1lsa5	
		lshn		pe>		pp1	
cl1!pi!pesu2		lshp		pe>1		pp2	
cl1!pi!pi!vi		lsl		pe>1lsa6		pp2ppn1	
cl1!pi!pisun1lsa5		lsm		peG		pp3	
		lsmd		peG1			
		lsn		peGlsa6			
		lsnl		peGlsf1			
cl1!pi!to		lsnt					
cl1!pi!tosu1		lss					
		lssimp					

pp4	ql!cl!tr>ppz1	qlsux1	to
ppn1	ql!clppn1	sa	to!cl
ppn1pp1	ql!po	sa1	to!cl!cl
ppn1pp1ppz1	ql!po>	sa1lsc4	to!cl!cllst9
ppn1ppq1	ql!po>ppn1	sa1lsc6	to!cl!clsu1
ppn1ppz1	ql!pol!sa1lsa3lsa9	sa1sun1lsa5	to!cl!clsun2
ppn1ppz1ppq1	ql!pol!sm1	sa>	to!cl!clsun2lsa5
ppn2	ql!popppn1	salsc4	to!cl!orsun1
ppn2ppz1	ql!popppn1st2	salsc6	to!cl!pi
ppn2ppz1ppq1	ql!popppn1sun1	sc	to!cl>1
ppn3	ql!popppn1sux1	sc1	to!cl!M
ppn3ppz1	ql!popppz1	sc1lsc4	to!clsu1sun1
ppn4	ql!popppz1lsa3	sclst2	to!clsu1sun1lsm6
ppq1	ql!popppz1su1sun1	sf	to!clsu2
ppz1	ql!posu1sun1	sfG	to!clsu2lsn6
ppz1ppq1	ql!posun1	su1	to!clsun1
pq	ql!posux1	su1sun1	to!clsun1lsa5
pq1	ql>	su1sun1su1	to!clsun1lsa5
pr	ql>ppn1	su1sun1su2	to!or
pt1	ql>ppn1lsc3	su1sun2	to!orlsc6
pt1ppn1	ql!sst2	su1sux1	to!orlst3
pt2	ql!ppn1	su2	to!orsun1lsa5
pt3	ql!ppn1ppz1	su2sun1	to!pi!cl
pu	ql!ppn1ppz1st2	su3	to!pi!cl!pi!orsun1lsa5
pu1	ql!ppn1ppz1su1sun1	su4	to!pi!cl!pi!pi
pulsnt3	ql!ppn1ppz1sun1	sun1	to!po
pupp1su1sun1	ql!ppn1ppz1sun1lsa5	sun1su1	to!pohd
pupp1su2	ql!ppn1su1sun1	sun1su1sun1	to!to
pupp2su1sun1	ql!ppn1su1sun2	sun1su2	to!to!pi!cl
pupp2su2	ql!ppn1su2	sun2	to!to!pi!clpp2
puppn1su1sun2	ql!ppn1su2lsn1	sun2su1	to!toppn1sun1
puppz1su1sun2	ql!ppn1sun1	sun2su2	to!tosun1
puppz1su2	ql!ppn1sun1lsc5	sun3	to>
pusu1sun1	ql!ppn1sun1su2	sun4	to>2
pusu1sun1lsf1	ql!ppn1sun1su2	sux1	to>2lsa3
pusu1sun1st7	ql!ppn1sun1su2	ta	to>2lsc1lsa3
pusu1sun2	ql!ppn1sun1su2	ta>	to>lsa5
pusu1sun2lsa5	ql!ppn1sun1su2	ta>1	to>pp2
pusu2sun1	ql!ppn1sun1su2	ta>2	toG
pusu3	ql!ppn1sun1su2	ta>2lsc2	toGlsa1st8
pusu4	ql!ppn1sun1su2	ta>lsn12	toGlsa5
ql	ql!ppn1sun1su2	ta>pp2	toS
ql!cl	ql!ppn1sun1su2	ta>ppn1	toS!pe
ql!cl!or	ql!ppn1sun1su2	tasu2	toS!to
ql!cl!orppn1ppz1	ql!ppn1sun1su2	tg	toS!tolst9
ql!cl!to	ql!ppn1sun1su2	tg!cl	toS1
ql!cl!to!or	ql!ppn1sun1su2	tg!cl>1	toSlsa5
ql!cl!to!orsun1	ql!ppn1sun1su2	tg!cl!sn9	toSsun1lsa5
ql!cl!tolst6	ql!ppn1sun1su2	tg!or	tol!sf4
ql!cl!toppn1	ql!ppn1sun1su2	tg!sn8	tol!sn8
ql!cl!tosu3	ql!ppn1sun1su2	tg!st9	tol!snt2lst9
ql!cl!tosu3lst6	ql!ppn1sun1su2	tg!sun1lsa5	tolst9
ql!cl!tr>	ql!ppn1sun1su2	tg!sun2lsa5	tolsth8
			topp1su1
			topp1su1lsa6
			topp2
			topp2sun1

toppn3ppz1sun1	tssun1lsa5	unsun2su2	vippn1su1sun1lst2
tosu1	tv	unsun3	vippn1su2
tosu1lsc5	tvlsm2	unsun3lsa3	vippn1sux1
tosu1sun1	un	unsun3lsa6	vippn2
tosu1sun1lsc6lst7	un!	unsux1	vippn2lsa4
tosu1sun1lsn6	un1	vi	vippn2lsc4
tosu2	un1lst8	vi>	vippn2lst3lsa4
tosu2lst6	un1ppn1ppq1sun2	vi>1	vippn2ppz1ppq1
tosun1	un1ppn1sun1su2lsa5	vi>1sa2lsc8	vippn2ppz1ppq1lst2lsa8
tosun1lsa5	un1ppn1sun2	vi>1pp2	vippn2ppz1sun1lsa5
tosun1su1sun1	un1sun1su1sun1lsa1lsc4	vi>1ppn1ppz1ppq1	vippn2sun1
tosun1su2lsn3lst6	un1sun1su1sun1lsa3lsc6	vi>1ppz1ppq1	vippn2sun1lsa4
tosun2	un1sun1su2	vi>2	vippn3
tosun2lsa6	un1sun1su2lsa5	vi>lsa6	vippn3su4
to~	un1sun2	vi>lsc6	vippn3sun1lsa5
tr	un1sun2su2	viS	vippn4
tr>	un2	vilss1	vippq1
trS	un2lsm1	vilss2	vippz1ppq1
trSlsc1	unlsm1	vilsst1	visu1sun1
trlss1lss3	unlsm2lss3lst8	vilst1	visu1sun1su1
trlst3lshp7	unlst1	vilst2	visu1sun1su1lst6
trsu2	unlst2	vilst2lsa8	visu1sun1su2
trsu2lst3lsm8	unlst8	vilst9	visu1sun1su2lss1lst6
trsun1lsa3lsa5	unppn1ppz1sun1	vipp2ppn1	visu1sun2
trsun1lsa5	unppn1ppz1sun1lsa5	vipp2su2	visu1sun2
trsun1su2	unppn1sun1su2	vipp2sun1lsa5	visu1sun2lsa5
trsun1su2lsa3	unppn1sun2	vipp3	visu1sun2lsa6
trsun2	unppn1sun2lsa5	vipp3lsn3	visu2
trsun2lsa5	unppn1sux1	vipp4	visun1su1sun1
trsux1	unppn1sux1lsa5	vipp4lst2	visun1su1sun1lst6
trsux1lsa5	unppn3sun1lsa5	vippn1pp1	vs
trsux1lst8	unsun1su1	vippn1pp1ppz1	vsG
ts	unsun1su1lst2lsc6	vippn1pp1su1sun2	
ts1	unsun1su2	vippn1ppq1	
ts>	unsun2	vippn1ppz1ppq1	
ts>1	unsun2lsa5	vippn1su1	
ts>lsc2	unsun2su1	vippn1su1sun1	
ts>lsc6			
tslsa2			
tslsc2lst2			

manuscript sources of the gregall font

The list of glyphs uses following abbreviations for manuscript references; the page number is always for the start of some antiphon, responsory, mass propers, even when the actual neume is on a later page. At the end of lines, GT stands for Graduale Triplex, Solesmes, 1979, OT for Offertoriale Triplex, Solesmes, 1985, AM for Antiphonale Monasticum, Solesmes, 1934, ARII for Antiphonale Romanum II, Solesmes, 2009 and NR for Nocturnale Romanum, Hartker Verlag, 2002, followed by page number which also contains the corresponding propers, antiphons or responsories.

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Cantatorium codex 359

C1 = http://www.e-codices.unifr.ch/en/download/csg-0359_001/max

C25U Universi GT16
C26A Alleluia Ostende GT16
C26D Dilexisti iustitiam GT499
C27E Ex Sion GT18
C27Q Qui sedes GT22
C28A Alleluia. Excita Domine GT23
C28T Tollite portas GT25
C32B Benedictus es in firmamento GT664
C35Q Qui regis Israel intende
C37A Alleluia. Veni, Domine GT36
C38T Tecum principium GT42
C38A Alleluia Dominus dixit GT43
C39B Benedictus qui GT45
C40A Alleluia Dies sanctificatus GT49
C40V Viderunt omnes GT48
C42A Alleluia. Hic est discipulus GT636
C43A Anima nostra GT453
C43L Laus tibi Christe
C44E Ecce sacerdos GT486
C44D Diffusa est gratia GT408
C45S Speciosus forma GT54
C460 Omnes de Saba GT57
C46B Benedictus Dominus GT257
C46A Alleluia Vidimus stellam GT58
C47I Iuravit Dominus GT486
C49I Inveni David GT445
C50G Gloriosus Deus GT456
C52T Timebunt gentes GT265
C52P Posuisti Domine GT477
C53S Suscepimus Deus GT360
C53A Alleluia. Adorabo ad templum GT270
C54A Audi filia GT417
C56B Beatus vir GT475
C56D Desiderium animae GT432
C57B Beatus vir GT481
C58A Adiutor GT69
C59D De profundis GT673
C60S Sciant gentes GT88
C60C Commovisti Domine GT89
C61T Tu es Deus GT275
C61I Iubilare Domino GT185
C62M Miserere mei GT63
C64Q Qui habitat GT73
C67D Dirigatur GT340
C71L Laudate Dominum GT187
C73P Propitius esto GT288
C74B Bonum est GT327
C780 Oculi omnium GT343
C79L Laetatus sum GT336
C80Q Qui confidunt GT109
C81E Exsurge Domine GT114
C82B Beata gens GT333
C82R Respice Domine GT320
C82V Venite filii GT298
C84T Tibi Domine GT118
C87E Exaltabo te GT112
C88T Tollite hostias GT272
C89T Tenuisti manum GT133
C95D Domine exaudi GT172
C97D Domine audivi
C100C Crux fidelis GT182
C103C Cantemus Domino GT186
C104V Vinea facta GT188
C107A Alleluia Pascha nostrum GT197
C118C Clamaverunt iusti GT454
C122I In omnem terram GT427
C123C Constitues eos GT426

C132D Domine praevenisti GT509
C134B Benedicite Dominum GT608
C137A Audi filia GT406
C139A Alleluia Benedictus es GT375
C139B Benedictus es GT372
C145L Liberasti nos GT366
C148A Alleluia Domine refugium GT321
C148Q Alleluia Quoniam Deus GT327
C148V Alleluia Venite GT324
C149A Alleluia. Paratum cor meum GT344
C150L Alleluia Laetatus GT19
C153S Alleluia Sancti tui, Domine, benedicti GT463
C153B Alleluia Beatus vir qui suffert GT511
C154A Alleluia Gaudete iusti GT430

Einsiedeln codex 121

E1 = http://www.e-codices.unifr.ch/en/download/sbe-0121_001/max

E2R Respice in me OT5
E2D Dominus dabit GT17
E3D Deus tu convertens GT20
E10P Prope est Dominus GT35
E11C Confortamini OT9
E13P Prope es tu GT24
E16B Benedictus es
E20E Exsulta satis GT28
E23T Tollite portas OT14
E26L Lux fulgebit GT44
E29E Exsulta filia sion GT47
E31T Tui sunt caeli OT18
E33V Viderunt omnes GT50
E34I In virtute tua OT152
E35E Elegerunt apostoli OT161
E39E Exiit sermo inter GT636
E42A Anima nostra GT466
E51R Reges tharsis OT21
E64L Laetamini in Domino OT140
E69P Posuisti Domine GT477
E75G Gaudeamus omnes GT545
E82D De profundis GT673
E92I Immutemur GT65
E104S Sicut oculi GT77
E125P Precatus est Moyses GT317
E130I Illumina oculos GT290
E131O Oculi mei semper GT96
E133I Iustitiae Domini GT309
E147L Laetare Ierusalem GT108
E148L Laudate Dominum GT110
E155B Benedicite gentes Domino GT231
E158D Domine ad adiuvandum OT42
E161S Sitientes venite GT114
E162F Factus est Dominus GT119
E166C Confitebor tibi Domine OT44
E173E Eripe me GT129
E193D Domine, exaudi orationem OT53
E195D Dominus Iesus GT165
E205R Resurrexi GT196
E213C Alleluia Christus resurgens GT226
E248V Viri Galilaei GT235
E255S Spiritus Domini GT252
E256C Confirma hoc OT79
E262S Sapientiam sanctorum GT452
E272M Mihi autem nimis OT128
E293V Vindica Domine
E320I Inclina aurem GT300
E327O Oravi Deum meum OT107
E324R Respice, Domine GT320
E336I In voluntate tua GT346
E339S Si iniquitates GT350
E373B Benedictus es GT372
Hartker codex 390/391

H1 = http://www.e-codices.unifr.ch/en/download/csg-0390_001/max
H195 = http://www.e-codices.unifr.ch/en/download/csg-0391_001/max
H16A Aspiciebam in visu NR111
H16M Missus est Gabriel NR111
H16V Ave Maria NR113
H22S Sicut mater consolator NR127
H23E Egredietur Dominus de Samaria NR129
H25E Ecce mitto Angelum AM201
H26G Grata facta est NR25*
H28Q Qui venturus est NR134
H29E Ecce radix Jesse NR137
H32N Nascetur nobis NR149
H33I Iuravi dicit Dominus NR151
H34F Festina ne tardaveris NR130
H35G Germinaverunt campi NR144
H36A Adnuntiatum est
H48B Beata et venerabilis
H50Q Quem vidistis pastores AM240
H72V Venit lumen tuum AM290
H72H Hodie in Iordane NR229
H730 Omnes de Saba NR237
H73S Stella ista NR242
H74I Illuminare, illuminare NR236
H75I In columbae specie NR231
H75V Videntes stellam NR242
H77S Stella ista AM291
H77A Ab Oriente AM297
H87E Exaudi Deus
H103S Spes nostra salus NR512
H103M Magnus Dominus NR516
H104T Te Deum patrem
H112S Stans a dextris AM798
H114C Corde et animo AM1033
H114N Nativitas tua AM1035
H118G Gaude, Maria Virgo NR130*
H119C Cum inducerent
H173I Insurrexerunt in me NR364
H173C Contumelias et terrores NR365
H179L Liberavit Dominus ARII183
H179A Amicus meus osculi NR381
H179I Iudas mercator NR382
H179U Unus ex discipulis NR383
H180U Una hora non potuistis NR388
H219T Tradiderunt me NR408
H219I Iesum tradidit impius NR409
H225M Mulieres sedentes AM449
H266D Domino si in tempore
H269S Spiritus Sanctus
H269D Dum complerentur NR493
H269R Repleti sunt omnes NR494
H270S Spiritus Domini AM520
H271L Loquebantur variis AM521
H297B Beatam me dicent NR[172]
H305H Hodie nata est NR278*
H305G Gloriosae virginis Mariae NR279*
H306N Nativitas gloriosae NR280*
H307N Nativitas tua NR281*
H307F Felix namque NR[171]
H320R Regem confessorum
H322B Beatus Gallus zelo
H322C Columbanus itaque beato
H323B Beatus Gallus cum
H323D Domine Iesu Christe
H324P Pater sanctus
H324V Vir Deo plenus
H325I Iste sanctus digne
H367V Viri sancti NR[54]
H390C Credo quod Redemptor NR[186]
H392L Libera me Domine de viis NR[200]
H392I Libera me Domine de morte NR[201]

H424M Magnificat
H428A Ascendens Iesus AM593
H443V Venite exsultemus NRXXVIII
St. Gall codex 339
G1 = http://www.e-codices.unifr.ch/en/download/csg-0339_033/max
G56 = http://www.e-codices.unifr.ch/en/download/csg-0339_088/max
G57 = http://www.e-codices.unifr.ch/en/download/csg-0339_088a/max
G58 = http://www.e-codices.unifr.ch/en/download/csg-0339_089/max
G8E Exulta satis OT11
G9A Alleluia Veni Domine GT36
G11P Puer natus est GT47
G11V Viderunt omnes GT48
G12T Tui sunt caeli OT18
G20I Iubilare Deo universa terra GT227
G22D Domine quinque talenta GT515
G25P Posuisti Domine GT477
G30E Exsurge quare obdormis GT91
G35D Domine vivifica me OT31
G42D Domine Deus salutis OT112
G44P Precatus est Moyses GT317
G45D Domine in auxilium OT106
G51I Intende voci GT280
G51S Si ambulabem GT125
G57F Factus est Dominus GT119
G89D Domine Deus in simplicitate OT159
G113A Alleluia. Dilexit Andrean GT625
G116C Cantabo Domino GT283
G126D Alleluia. Domine Deus meus GT282
G128A Alleluia. Attendite popule
G132A Alleluia. Mirabilis Dominus GT462
G132V Alleluia. Vox exultationis
G139A Asperges me Domine
G140O Oremus dilectissimi nobis
G141O Omnipotens Deus
St. Gall codex 376
N1 = http://www.e-codices.unifr.ch/en/download/csg-0376_001/max
N39H Hodie cantandus est nobis
N53A Audite fratres dilecti
N59N Nativitatem venerandam
N65G Gloriatu laus tua Deus
N67G Gloria in excelsis Deo
N68G Gloria in excelsis Deo
N69G Gloria in excelsis Deo
N73G Kyrie eleison
N86D Dilexisti iustitiam GT498
N100T Tui sunt caeli OT18
N171D Deus exaudi orationem GT107
N221N Alleluia. Non vos relinquam GT242
N270A Alleluia. Benedictus es GT375
N293A Alleluia. Sancti tui, Domine, benedicent GT463
N296V Alleluia. Veni Sancte Spiritus GT263
N363C Carmen suo dilecto
N368L Letamente canamus Domino nostro
N372O O quam mira sunt Deus
St. Gall codex 374
A1 = http://www.e-codices.unifr.ch/en/download/csg-0374_001/max
A17T Tui sunt caeli OT18
A22V Vox in Rama GT638
A26F Fili quid fecisti GT51
A56C Custodi me Domine GT304
A127E Exultabunt sancti OT143
A167O Oravi Deum meum OT107
A174A Alleluia. Eripe me GT308
Bamberg, lit. 6, Gradual of St. Emmeram
B9v = <http://bsbsbb.bsb.lrz-muenchen.de/~db/0000/sbb00000128/images/index.html?id=00000128no=19&seite=22&signatur=Msc.Lit.6>
B9vA Anima nostra GT466













	virga			
✓	vi	C780	tu	
✓	vilsc3	C82R	testamentum	
✓	vilst1	E29E	rex	2.166x
✓	vi-	C80Q	montes	
✓	vi>	C27E	eius	
✓	vi-1st3	H50Q	Quem	
✓	vi->	E20E	sanctus	2.166x
	tractulus			
✓	ta	C26A	Domine	
✓	talsc3	E262S	saeculum	2.166x
✓	talst2	C56D	Desiderium	
✓	ta-	C81E	antiquis.	
✓	ta>	C25U	et	
✓	suv1 Cf. ✓	pesu2suv1		
	punctum			
✓	pu	C137A	Audi	
Cf. ✓	st			
Cf. ✓	ci>			
	gravis			
✓	gr	H271L	Loquebantur	
✓	gr-	H270S	Spiritus	
✓	gr-lsc6	H270S	replevit	
	clivis			
✓	cl	C780	sperant	
✓	cllsc3	C26A	nobis	
✓	cllst2	C25U	exspectant	
✓	cl-1st2	C52P	pretioso.	
✓	cl-	C780	omnium	
✓	clS-	C81E	opem	
✓	clS	C780	opportuno.	
✓	clS1	H424M	potentiam	
✓	clM	C148V	nostro	
Cf. ✓	cl>			
✓	cl>1	H36A	virginis	
Cf. ✓	vi>			
✓	cl->1	H50Q	natum	
✓	cl->	H50Q	angelorum	
✓	clM-	C27Q	super	
✓	clS-1	H428A	navem	
	pes			
✓	pe	C80Q	Domine	
✓	pe-	C80Q	aeternum	
✓	pe-1	C64Q	Scapulis	
✓	peS	C780	in	
✓	peG	B9vA	erepta	0.5x
Cf. ✓	peG			
✓	pe>	C100C	germine	
✓	pe>1	C27E	eius	
✓	pe>2	C71L	misericordia	
✓	pe->	N296V	tuorum	
Cf. ✓	ta>			
✓	pe->1	H35G	Germinaverunt	1.7x
	porrectus			
✓	po	C139B	super	
✓	polsc2	C82R	iudica	
✓	po-	G20I	anime	0.85x
✓	po-1	C26A	tuum	
✓	poG	C40V	salutare	
✓	po>	C80Q	commovebitur	
✓	po~	C58A	aeternum	
✓	poG-	A1670	meum	
✓	posu2	C460	gloria	
✓	po-1su2	H269R	alleluia	
✓	posu1sut1	C80Q	saeculum.	
	torculus			
✓	to	C780	Domine	
✓	tolsc3	C39B	nomine	
✓	tolsc41st3	E125P	Domine,	2.166x
✓	tolst2	C74B	misericordiam	
✓	to-	G44P	animae	
✓	to-1	C139A	nostrorum	
✓	toS	C38A	hodie	
✓	toS1	E205R	Resurrexi,	0.5x
✓	toS2	E161S	Sitientes	1.75x
✓	toS3	C104V	circumfodit	
✓	toG	G12T	eius	
✓	toM	C49I	servum	
✓	toM1	H22S	auxilium	1.71x
✓	toM3	C39B	mirabile	
✓	to>	C26A	misericordiam	

<i>Cf. 8</i>	pe>			
<i>5</i>	toS3lst2	C59D	tuae	
<i>57</i>	pq!cl-	C87E	sanasti	
<i>43</i>	to>1	E130I	obdormiam	2.166x
<i>3</i>	to>2	H219T	fortes:	1.63x
<i>34</i>	to->	E158D	respexit	2.166x
<i>4</i>	toS2sux1	C460	Surge	
	climacus			
<i>1</i>	ci	C26A	tuum	
<i>11</i>	ci1	G73P	gentes	
<i>11</i>	cilsc3	C74B	tuo	
<i>11</i>	ci-	C81E	nos	
<i>11</i>	ciS	C81E	Domine	
<i>11</i>	ciS1	C139A	Deus	
<i>11</i>	visut1su2	C53A	Adorabo	
<i>11</i>	ciG	C64Q	lapidem	
<i>11</i>	ciG1	C42A	ille	
<i>11</i>	ciM	C154A	Alleluia	
<i>11</i>	ci>	C460	orta	
<i>11</i>	cl>	C79L	domum	
<i>11</i>	visuv1su2	C35Q	nos	
<i>11</i>	visut3	C38T	meo	
<i>11</i>	visu1suu1	C26D	laetitia.	
<i>11</i>	visut4	C25U	me.	
<i>11</i>	cl-1su2	C40A	magna	
<i>11</i>	visu1sut2	C43L	Domine	
<i>11</i>	visu1suv1	C53S	terrae.	
<i>11</i>	visuu1su2	C56D	eius	
<i>11</i>	visuu2su2	H103S	salus	
<i>11</i>	vi-suu2su2	H103S	o	
<i>11</i>	visu2suw1	G113A	Alleluia	0.85x
<i>11</i>	visut2su2	G128A	Alleluia	0.85x
<i>11</i>	visut3suw1	C153S	dicent.	
<i>11</i>	visu1sut1sux1	G126D	salvum	0.85x
<i>11</i>	visu1sut1su2	N39H	puer	
<i>11</i>	visu1sut1su1sut1	N39H	generavit	
<i>11</i>	vi-su1sut1su2	N39H	enim	
<i>11</i>	visut1sux1	N59N	filium	
<i>11</i>	clSsu1sut1	N65G	tui	
<i>11</i>	vi-su4	N68G	Amen.	
<i>11</i>	vi-su1sut2su1	N73K	Christe	
<i>11</i>	visu1sut1suy1	N221N	Alleluia.	
<i>11</i>	visut3suy1	N293A	dicent.	
<i>11</i>	visut2suy1	N363C	sacro	1.25x
<i>11</i>	visu5	N368L	forncibus	1.25x
<i>11</i>	visu1suu1su2	N372O	erogatione	1.25x
<i>11</i>	vi-su1suu2	A174A	meus	
<i>11</i>	vi-su1suu1su1	A174A	Alleluia.	
<i>11</i>	vi-sut2	H74I	illuminare	
<i>11</i>	clS-su2	C46A	eius	
<i>11</i>	vi-suu1su2	H75I	sanctus	
<i>11</i>	clSsut2	E51R	suscipiant	2.0x
<i>11</i>	clSsuu1su2	H390C	surrecturus	1.5x
<i>11</i>	vi-sut3	H269D	dicentes	
<i>11</i>	vi-su1sut1 <i>Cf. 11</i>	vi-su1sut1su2	minus subpunctis	
<i>11</i>	vi-su2sut1	N296V	alleluia	
<i>11</i>	vi-su1sux1	E373B	Sanctum	2.133x
<i>11</i>	vi-su2sux1	C49I	eum	
<i>11</i>	vi-sut4	H16A	servient	1.7x
<i>11</i>	vi-suu2	H23E	ecce	1.7x
<i>11</i>	vi-suu3	H35G	veniet	1.7x
<i>11</i>	visu2sux1	H48B	mater	1.7x
<i>11</i>	vi-sut1su2	H22S	elegi	1.71x
<i>11</i>	vi-su1suu1	H114C	gloriam	1.71x
<i>11</i>	vi-su1suu1su2	H114N	nobis	1.71x
<i>11</i>	vi-su1sut2	H324P	aetatis	2.0x
<i>11</i>	vi-su3	H307F	natalem	2.0x
<i>11</i>	vi-sut1suu1	325I	peregrinatione	2.0x
	scandicus			
<i>11</i>	sc	G11P	imperium	0.85x
<i>11</i>	sc1 <i>Cf. 11</i>	vipp4	minus first punctum	
<i>11</i>	sc-	C123C	terram	
<i>11</i>	scS	C154A	Alleluia	
<i>11</i>	scG	H179I	Iudas	
<i>11</i>	scG1	C52P	Posuisti	
<i>11</i>	scM1	C67D	Domine	
<i>11</i>	sc>	C26A	Alleluia	

<i>11</i>	vi>ppt3	E2R	non	2.166x
<i>11</i>	cl>ppt2	H730	annuntiantes	
<i>11</i>	vi-!vi!vi	E155B	Benedicite	2.166x
<i>11</i>	vipp3	G1400	ae	0.85x
<i>11</i>	vi-pp4	C154A	rectos	
<i>11</i>	vi-!vi-!vi	H118G	erubescat	
<i>11</i>	vipp4	A127E	eum	
<i>11</i>	vi>ppt2	H75V	apertis	
<i>11</i>	scG-1	H225M	Mulieres	1.6x
	porrectus flexus			
<i>11</i>	pf	C27E	sacrificia	
<i>11</i>	pflsc2	C58D	intendentes	
<i>11</i>	pf1lsc2	C61I	Ipse	
<i>11</i>	pflst2	C122I	finis	
<i>11</i>	pf-	C81E	antiquis.	
<i>11</i>	pfS	G116C	tribuit	0.85x
<i>11</i>	sfM	E248V	alleluia,	2.166x
<i>11</i>	pfM	E39E	manere	2.166x
<i>11</i>	pf>	C95D	manducare	
<i>Cf. 11</i>	po>			
<i>11</i>	pfMsut1	E34I	eum	2.166x
	pes subbipunctis			
<i>11</i>	pesu2	C81E	antiquis.	
<i>11</i>	vipp1su2lsc3	C61T	solus:	
<i>11</i>	pe-su2	H73S	adoraverunt	
<i>11</i>	pe-1su2	C64Q	habitat	
<i>11</i>	pe-1sut2	H104T	confitemur	
<i>11</i>	pe-1sut1suw1	H219I	videret	1.63x
<i>11</i>	peSsu2	A17T	eius	
<i>11</i>	peSsut2	C27E	sanctos	
<i>11</i>	vipp1su2	C56B	benedicetur.	
<i>11</i>	toS2sut1	C139A	Alleluia	
<i>11</i>	vi-!ci	E272M	cognovisti	2.166x
<i>11</i>	pesu1suw1	G8E	plebem	
<i>11</i>	pe-su1sut1	N296V	alleluia	
<i>11</i>	pe-su2suy1	N296V	alleluia	
<i>11</i>	pe-1sut3	H179A	malum	
<i>Cf. 11</i>	to>			
<i>11</i>	pesu1suu1	C27E	Deus	
<i>11</i>	pesu3	C27Q	regis	
<i>11</i>	vipp1su1sut1	C40V	omnes	
<i>11</i>	vippu1su2	C74B	Altissime.	
<i>11</i>	pesu1sut3	C60S	venti.	
<i>11</i>	pesu2suv1	C60C	Sana	
<i>11</i>	pesu2sut1	E213C	Alleluia.	2.0x
<i>11</i>	pesu1sut2	E213C	Alleluia.	2.0x
<i>11</i>	vippu1su2lsc3	C32B	caeli	
<i>11</i>	pe-1su1suu1	C61I	pascuae	
<i>11</i>	peSsu1sux1	G89D	fili	0.85x
<i>11</i>	pe-su3sut1	N270A	saecula.	
<i>11</i>	pe-1sut1sux1	H72V	orta	
<i>11</i>	peSsut3	C460	Jerusalem	
<i>11</i>	pesut2	H77S	magi	
<i>11</i>	pe-1suw2	E255S	Domini	2.133x
<i>11</i>	peSsut1su2	E13P	Domine	2.133x
<i>11</i>	pesu1sux1	H25E	angelum	1.7x
<i>11</i>	pe-1su1suw1	H29E	deprecabuntur	1.7x
<i>11</i>	pesu1sut1 <i>Cf. 11</i>	pesu1sut3	minus 2 tractulis	
<i>11</i>	pe-1su1sut1	H306N	de	2.0x
<i>11</i>	pe-1su1sut2	H305G	Mariae	2.0x
<i>11</i>	pe-1su1suu2	H305G	vidente	2.0x
<i>11</i>	pe-1suu1su2	H180U	exhortabamini	1.75x
<i>11</i>	pe-su4	C139A	Alleluia	
<i>11</i>	pesuv1su1sut1	C139A	Alleluia	
	scandicus flexus			
<i>11</i>	sf	C64Q	habitat	
<i>11</i>	sflsc3	C27E	Deus	
<i>11</i>	sf-	C39B	est	
<i>11</i>	sfS	C97D	Deus	
<i>11</i>	toppu1	C103C	Cantemus	
<i>Cf. 11</i>	sfM			
<i>Cf. 11</i>	sc>			
<i>11</i>	to>pp2	E324R	testamentum	2.0x
	torculus resupinus			
<i>11</i>	tr	C25U	edoce	
<i>11</i>	tr1st2	E69P	eius	2.0x
<i>11</i>	tr1	C22T	tuus	

trM	E336I	resistere	2.166x
tr>	C82V	nonconfundentur	
tr~	C60S	Altissimus	
tr~~	C27Q	et	
tr~~1	C107A	Alleluia.	
trS-	C89T	pedes,	
trS1	E26L	eeiieiue	2.166x
tr-3	H323D	honore	2.0x
trsu3	C95D	eius.	
strophæ			
st	C80Q	commovebitur	
st-	C52P	Desiderium	
stS	E263V	est.	2.166x
st>	C49I	servum	
distrophæ			
ds	C460	super	
ds1sx6	C45S	forma	
ds-	C81E	Domine	
ds>	C38A	Alleluia	
tristrophæ			
ts	C80Q	Dominus	
ts1sx6	C44D	mansuetudinem	
ts-	C150L	ibimus	
tsM	C62M	anima	
ts>	C62M	conculcantes	
tsM-	A26F	ego	
trigonus			
tg	C80Q	aeternum	
tg1	C81E	antiquis.	
tgS	C139B	omnibus	
tgS1	N171D	mei	
tgS3	C61I	laetitia.	
tgM	C118C	Dominus	
tgS-	C118C	Dominus	
tgS4	C86D	mei	
bivirga			
bv	C26D	Propterea	
bv-	C82B	populus	
bv>	H33I	montes	
trivirga			
tv	C56D	pretioso	
tv-	C61I	eius.	
pressus			
pr	C26A	Alleluia	
pi	C82R	Domine,	
pr1sc2	E339S	Si	2.166x
pr-1sc3	C122I	Dei	
pr1st2	C145L	tuo	
pi1sc2	C122I	Dei	
pi1st2	C26A	Alleluia	
pr-	C59D	Si	
prM	E173E	insurgentibus	2.166x
pr>	H72H	in	
pi>	H103M	Magnus	
Cf. vs>			
Cf. or>			
virga strata			
vs	C148A	generatio	
vs1sc3	C39B	nomine	
vs1st2	E195D	suis,	2.166x
vs-	C82B	Domini	
vs>	C64Q	pennis	
ta>			
vs->	A22V	Rama	
oriscus			
or	H112S	candidior	
or>	C148V	salutari	
salicus			
sa	C27E	super	
sa1	C148A	Alleluia.	
salsfr1	E3D	Deus	2.166x
sa-	C25U	tuas	
sa-1	G30E	tribulationis	
saG	C107A	Alleluia.	
saM	H16V	venient	1.7x
saM1	H23E	homo	1.71x
saM2	C27Q	regis	
saM4	E10P	omnis	2.166x
saM5 Cf.	saM5ppt1	minus tractulus	

pe>2			
sa!clS1	C80Q	sicut	
sa!clS-1	C27Q	tuam	
sa!clS11sc2	C46B	Deus	
sa-lsfr1	C134B	nomen	
sa1!cl>	G45D	respexit	0.85x
sa!cl>	G22D	euge	0.85x
sa!cl	G1410	fortitudo	0.85x
saM-1	G139A	Domine	0.85x
sa!cl-	G132V	Alleluia.	0.85x
saM3	N53A	fratres	
saM-4	N296V	amoris	
sa>2	H73S	viderunt	
sa1!cl->	H32N	eius	1.7x
sapp1	H320R	venite	2.0x
saM5ppt1	H392I	de	1.5x
pes quassus			
pq	C27E	sacrificia.	
pqlsfr1	C150L	nostri	
pq-	C148V	nostro	
pq>	C84T	pupillo	
pqS	C52T	maiestate	
pqS>	H424M	potentiam	
pq!cl>	G57F	firmamentum	0.85x
pq!cl	E23T	Domini	2.166x
quilisma			
ql	C80Q	commovebitur	
qi	C103C	Hic	
ql-	C148A	generatio	
qi-	H28Q	veniet.	
ql>	C40V	gentium	
qi>	C28A	et	
pes stratus			
pt	G1400	ae	0.85x
subpunctis			
su2 Cf.		ci	
su3 Cf.		ci1	
su1sut1 Cf.		ciS	
sut2 Cf.		ciS1	
suu1su2 Cf.		visuu1su2	
su1suw1 Cf.		ciM	
su1sux1 Cf.		ci>	
su1sut2 Cf.		visu1sut2	
su1suu1 Cf.		visu1suu1	
su2suw1 Cf.		visu2suw1	
su2sux1 Cf.		vi-su2sux1	
sut1su2 Cf.		visut1su2	
sut1suw1 Cf.		pe-1sut1suw1	
sut3 Cf.		visut3	
suv1su2 Cf.		visuv1su2	
sut4 Cf.		visut4	
su1suv1 Cf.		visu1suv1	
suu2su2 Cf.		vi-su2su2	
suu1su1sut2 Cf.		qi-ppt1suu1su1sut2	
sut2su2 Cf.		visut2su2	
su1sut3 Cf.		pesu1sut3	
su2suv1 Cf.		pesu2suv1	
sut3suw1 Cf.		visut3suw1	
su1sut1sux1 Cf.		visu1sut1sux1	
su1sut1su2 Cf.		visu1sut1su2	
su1sut1su1sut1 Cf.		visu1sut1su1sut1	
sut1sux1 Cf.		visut1sux1	
su4 Cf.		vi-su4	
su1sut2su1 Cf.		vi-su1sut2su1	
su1sut1suy1 Cf.		visu1sut1suy1	
sut3suy1 Cf.		visut3suy1	
sut2suy1 Cf.		visut2suy1	
su5 Cf.		visu5	
su1suu1su2 Cf.		visu1suu1su2	
su1suu2 Cf.		vi-su1suu2	
su1suu1su1 Cf.		vi-su1suu1su1	
su3sut1 Cf.		pe-su3sut1	
suu2 Cf.		ql-ppt1suu2	
su2sut1 Cf.		vi-su2sut1	
su2suy1 Cf.		pe-su2suy1	
suw2 Cf.		pe-1suw2	
sut2suu1 Cf.		ql-ppt1sut2suu1	

	su1suv1su2 Cf. 	ql-ppt2su1suv1su2			ql!c1!c1>ppt1	E133I	corda	2.166x
	sut1suu1 Cf. 	vi-sut1suu1			ql!c1!pippt1	E31T	maris	2.166x
	suv1su1sut1 Cf. 	pesuv1su1sut1			ql!c1-ppt1	C40A	terram.	
	prepunctis				ql!c1Mppt1	E324R	tuum	2.166x
	pp2 Cf. 	vi-pp2			ql!c1->ppt1	G132A	Alleluia.	0.85x
	ppu2 Cf. 	scS			ql!c1S-2ppt1sut1	E3D	et.	2.0x
	ppt2 Cf. 	sfS			ql!c1S-2sut1 Cf. 	ql!c1S-2ppt1sut1 minus tractulus		
	ppu3	C47I	Sede		ql!c1S-2ppt1 Cf. 	ql!c1S-2ppt1sut1 minus tractulus		
	ppu4	C58A	Domine		ql!c1S-2 Cf. 	ql!c1S-2ppt1sut1 minus 2 tractulis		
	ppu5	C50G	confregit		ql!poppt1	C59D	Domine.	
	pp4	C780	escam		ql!po-1ppt1	C58A	homo.	
	pp3 Cf. 	pp4			ql!po~ Cf. 	ql!po- minus tractulus		
	ppt3 Cf. 	vi>ppt3			ql-ppt1su2	H72V	Jerusalem	
	ppt4	N69G	amin.		ql-ppt1su1sux1	H730	Reges	
	ppt5	A56C	videant		ql-ppt1su1sut2	H75I	patris	
	pp1 Cf. 	vi-pp2			ql-ppt1suu2	H72H	Hic	
	combined glyphs				ql-ppt1sut2suu1	H16M	altissimi	1.7x
	cl!pi	C82R	Domine		ql!vsppt1su2	H730	Domino	
	cl!pilsc11st3	C89T	manum		ql!vsppt1 Cf. 	ql!vsppt1su2 minus subbipunctis		
	cl!pilsc2	C149A	cantabo		ql!vsppt1sut2	H73S	gaudio	
	cl!pr	G51S	ipsa	0.85x	qi!vsppt1su2	H74I	Domini	
	cl!-!pi	E35E	illis	2.166x	qi!vsppt1su1sut2	H392L	viderent	1.5x
	ql!c1	C148A	Domine		qi-sut3	H322B	in	2.0x
	ql!c1!c1> Cf. 	ql!c1!c1>ppt1 minus tractulus			ql-ppt1su1suu1	H305H	David	2.0x
	ql!c1!pi Cf. 	ql!c1!pippt1 minus tractulus			ql-ppt1su3	H323D	subire	2.0x
	ql!pf-	G42D	mane	0.85x	qlppt1sut3	H305G	Redemptorem	2.0x
	ql!pf	G35D	Domine		qlppt1su2	E166C	secundum	2.0x
	ql!c1-	C26A	Alleluia		ql-ppt2su1suv1su2	H306N	illustrat	2.0x
	ql!c1M Cf. 	ql!c1Mppt1 minus tractulus			ql-su1sut1	H307F	iustitiae	2.0x
	ql!c1-> Cf. 	ql!c1->ppt1 minus tractulus			qippt2sut2	H297B	generationes	2.0x
	ql!c1>	H26L	salva	0.5x	ql!vssu3	H443V	ei	2.0x
	ql!po	C148V	nostro		to!ciG	E51R	eum	2.0x
	ql!po-1	C148A	Alleluia.		to!ciG	C28T	gloriae.	
	ql!po>	H33I	terram		to!c1	C84T	pupillo	
	ql!vs	C148A	refugium		to!c1!c1!c1	C64Q	sepavit,	
	ql!vssu2 Cf. 	ql!vsppt1su2 minus tractulus			to!c1!po	E31T	veritas	2.166x
	ql!vssut2 Cf. 	ql!vsppt1sut2 minus tractulus			to!c1!po-1	N100T	veritas	
	qi!vs Cf. 	qi!vssu2 minus subbipunctis			to!c1!pi	C45S	mea	
	qi!vssu2 Cf. 	qi!vsppt1su2 minus tractulus			to!c1-	N86D	propterea	
	qi!vssu1sut2 Cf. 	qi!vsppt1su1sut2 minus tractulus			to!c1-!c1-	C54A	Adducentur	
	ql-su1suu1 Cf. 	ql-ppt1su1suu1 minus tractulus			to!c1-1	C45S	filiis	
	ql-su1suv1su2 Cf. 	ql-ppt2su1suv1su2 minus tractulis			to!c1S	C43A	terram.	
	qisu2	E166C	sermones	2.0x	to!c1!c1	C43A	Domini,	
	qisut2 Cf. 	qippt2sut2 minus tractulis			to!po	C64Q	sagitta	
	ql-su3 Cf. 	ql-ppt1su3 minus tractulus			to!posu2	C49I	eo,	
	qlsut3 Cf. 	qlppt1sut3 minus tractulus			to!pr	G11V	Deo	0.85x
	qlsu2 Cf. 	qlppt1su2 minus tractulus			to!pi	C60C	tui.	
	ql-su2 Cf. 	ql-ppt1su2 minus tractulus			toSsu2	H72H	mihi	
	ql-sut2	H73S	cedebat		pf!c1-	G51I	meus	
	ql-su1sux1 Cf. 	ql-ppt1su1sux1 minus tractulus			pf!c1M- Cf. 	pf!c1M-ppt1 minus tractulus		
	ql-su1sut2 Cf. 	ql-ppt1su1sut2 minus tractulus			pf!pr	G9A	Alleluia	
	ql-sut1sux1	H72H	complacui		c1!po> Cf. 	c1!po>ppt1 minus tractulus		
	ql-su2 Cf. 	ql-ppt1suu2 minus tractulus			c1!c1>1	N67G	mundi	
	ql-sut2suu1 Cf. 	ql-ppt1sut2suu1 minus tractulus			c1!c1Ssut2	E256C	psallite	2.166x
	qi-su2	H73S	cedebat		c1!c1S Cf. 	c1!c1Ssut2 minus 2 tractulis		
	qi-su1sut2 Cf. 	qi-ppt1su1sut2 minus tractulus			c1!po	C26A	nobis.	
	qi-su1su1sut2 Cf. 	qi-ppt1suu1su1sut2 minus tractulus			c1!po-1	H119C	in	
	qi-su1sux1	H26G	certamine	1.7x	tr-1su2	H730	dona	
	ql-su1suu2	H34F	facinora	1.71x	trSsut2	H305H	devotissime	2.0x
	qi!c1	C82B	spiritu		ci-pp2	H73S	magno	
	qi!c1-	C148A	factus		toS2su2	H73S	eam	
	qi!c1>	H77S	Magi		to-1su2	C150L	dicta	
	qi!po	H87E	Deus		to-1su1	H322C	ostendere	2.0x
	qi!po>	H173C	adversum	1.9x	to-1suu1	H323B	Gallus	2.0x
	pf!c1M-ppt1	E3270	narante	2.166x	to-1suu1su2	H173I	me	1.8x
	c1!po>ppt1	E3270	narante	2.166x	po-1pp2su1sux1	H324V	cognovi	2.0x
	qlppt1	C38T	Sede		po-1su1sux1 Cf.	H323D	desiderium	2.0x
	qippt1	C37A	Domine		pisu1	H307N	annuntiavit	2.0x
	qi!clppt1	C88T	hostias		pisut1	C153B	Alleluia	
	ql-ppt1	C26D	laetitiae.		pq-su2	C132D	praetioso	
	ql>ppt1	C38T	virtutis		pe!vi	C57B	qui	
	qi>ppt1	C60S	terram.		tgsuu1	C49I	eum.	
	qisut1sux1	H269S	linguarum		tgSsuu1	C57B	nimis.	
	qlsut2	H269D	alleluia		bv-sut2	H179U	fuisset.	1.75x
	qi-sut2	H269D	alleluia		sa-su2sut1	C49I	eum	
	qi-ppt1su1sut2	H269R	maenalia					

significant letters

am	lsam	C87E	abstraxisti	altius	
al	lsal	E20E	Sion,	altius mediocriter	2.166x
t	lsb	C39B	Domino	bene	
c	lsc	C27E	eius	celeriter	
lscw	lscw	C148V	nostro.	celeriter (wide form)	
co	lsco	C134B	nomen	coniunguntur	
cm	lscm	C58A	oblivio	celeriter mediocriter	
ds	lsd	E11C	Virgo	deprimatur	1.85x
e	lse	C84T	adiutor	equaliter	
lscw	lsew	H266D	si	equaliter (wide form)	
eq	lseq	C64Q	viis	equaliter	
fsd'	lsfid	E16B	Domino	fideliter	2.166x
f	lsfr	C58A	non	frendor	
g	lsg	C27Q	ovem	guttare	
i	lsi	C87E	Domine	iusum	
ism	lsim	E336I	universa	iusum mediocriter	2.166x
iv	lsiv	E92I	misericors	iusum valde	2.166x
k	lsk	C62M	confidit	klenge	
l	lsl	C38T	Tecum	levare	
lb	lslb	C58A	non	levare bene	
lc	lslc	E151A	ab	levare celeriter	2.166x
len	lslen	C59D	servitui.	leniter	
lm	lslm	C38T	Tecum	levare mediocriter	
lp	lslp	E161S	dicit	levare parvum	2.166x
lt	lslt	E148L	Laudate	levare tenete	2.0x
m	lsm	C38T	principium	mediocriter	
moll'	lsmoll	E33V	finis	molliter	2.166x
p	lsp	C64Q	altissimi	parvum	
psar	lspar	E104S	miserere	paratim	2.166x
pfec'	lspfec	E2D	fructum	perfecte	2.166x
pm	lspm	C40V	suam.	parvum mediocriter	
pulcre	lspulcre	E64L	hac	pulcre	2.0x
r	lss	C27E	sanctos	sursum	
rb	lssb	C40V	iustitiam	sursum bene	
rc	lssc	C84T	Tibi	sursum celeriter	
simil'	lssimil	E193D	ne	similiter	2.166x
simul	lssimul	E42A	sumus.	simul	2.166x
sm	lssm	C59D	Si	sursum mediocriter	
st	lsst	C87E	Domine	sursum tenere	
st	lssta	C27E	Congregate	statim	
t	lst	C39B	Domino	tenete	
stw	lstw	C58A	non	tenete (wide form)	
tb	lstb	C39B	Domino	tenete bene	
stm	lstm	E3D	tu	tenete mediocriter	2.166x
v	lsv	E1310	semper	valde	2.0x
vol	lsvol	C58A	aeternum	volubiliter	
x	lsx	C87E	me:	expectare	

manuscript sources of the grelaon font

The list of glyphs uses following abbreviations for manuscript references; the page number is always for the start of some antiphon, responsory, mass propers, even when the actual neume is on a later page. At the end of lines, GT stands for Graduale Triplex, Solesmes, 1979, OT for Offertoriale Triplex, Solesmes, 1985, GN for Graduale Novum de Dominicis et Festis, Conbrio Verlag Regensburg, 2011, followed by page number which also contains the corresponding propers, antiphons or responsories.

All the grelaon font glyphs taken from the LAON_BM_ms239 codex with the permission from the Bibliothèque municipale de la ville de Laon <http://manuscrit.ville-laon.fr>, the picture fragments from there are only present in the font source file to help drawing the glyphs.

Graduale Laudunensis, codex 239

L1 = http://manuscrit.ville-laon.fr/_app/_visualisation.php?cote=Ms239&vue=9
L8U Universi qui te GT16
L8A Ad te Domine levavi OT5
L8D Dominus dabit GT17
L9E Ex Sion species GT18
L10I Ierusalem surge GT20
L11Q Qui sedes, Domine GT22
L13A Ave Maria GT36
L14P Prope es tu Domine GT24
L14O Ostende nobis GT31
L17H Hodie sciatis GT38
L18L Laetentur caeli GT44
L19B Benedictus qui venit GT45
L20P Puer natus est GT47
L24D Dexter a Domini GT194
L24T Timebunt gentes GT265
L25L Laetabitur iustus GT473
L25M Mirabantur omnes GN232
L28G Gaudeamus omnes GT545
L31D De profundis GT673
L33S Sciant gentes GT88
L33C Commovisti Domine GT89
L33P Perfice gressus OT90
L34E Esto mihi in Deum GT275
L35T Tu es Deus GT244
L37M Misereris omnium GT62
L37S Miserere mei Deus GT63
L38I lacta cogitatum GT285
L40Q Qui habitat GT73
L43L Levabo oculos meos GT78
L43S Scapulis suis GT77
L43I Sicut oculi servorum GT77
L44D Domine refugium GT79
L44I Dirigatur oratio GT340
L45R Reminiscere miserationum GT81
L53C Confitemini Domino GT158
L54A Adiutor meus GT86
L54B Benedicam Dominum OT88
L56D Deus in adiutorium GT315
L56S Salvum fac populum GT354
L56I Iustus Dominus GT93
L56P Propitius esto Domine GT288
L58A Ad Dominum dum tribularer GT282
L60E Exsurge Domine GT96
L60A Ad te levavi GT97
L61I Iustitiae Domini GT309
L64O Oculi omnium GT343
L64D Domine fac mecum OT37
L67Q Qui biberit aquam GT99
L67S Si ambulem GT125
L68N Nemo te condemnabit GT124
L68Q Qui confidunt GT109
L71D Dum sanctificatus fuero GT249
L72B Benedicite gentes GT231
L75V Videns Dominus GT124
L76E Eripe me Domine GT121
L77S Saepe expugnaverunt GT122
L77C Confitebor tibi Domine GT123

L78H Hoc corpus GT170
L80S Sperent in te omnes GT286
L81E Exaltabo te Domine GT112
L81R Eripe me de inimicis GT129
L82O Omnia quae fecisti GT342
L82T Tollite hostias GT272
L84B Benedictus es, Domine OT48
L90D Deus Deus meus GT144
L92E Exsurge Domine GT150
L93E Erubescant et reverentur GT152
L93G Ego autem dum mihi GT152
L94C Custodi me Domine GT154
L95D Domine, exaudi orationem GT172
L99P Popule meus quid GT176
L101V Vine a facta est GT188
L103R Resurrexi GT196
L103H Haec dies GT196
L103P Alleluia Pascha nostrum GT197
L103T Terra tremuit GT199
L104I Introduxit vos Dominus GT200
L105A Angelus Dominus GT217
L105N Angelus Dominus GT201
L106S Surrexit Dominus GT207
L107H Haec dies GT206
L109P Populus acquisitionis GT210
L112D Deus Deus meus GT224
L112O Omnes qui in Christo GT61
L113E Ego sum pastor GT224
L114C Cantate Domino GT225
L114V Vocem iucunditatis GT229
L117R Repleti sumus GT441
L118E Ego sum vitis vera GT228
L122N Non vos relinquam GT232
L122V Viri Galilaei OT172
L123A Ascendit Deus GT237
L123E Exaudi Domine vocem GT241
L125U Ultimo festivitatis GT251
L125S Spiritus Domini GT252
L126F Factus est repente GT256
L128S Spiritus ubi vult spirat GT218
L132E Ecce quam bonum GT351
L136A Amen dico vobis quod vos GT436
L138S Semel iuravi GT492
L144C Clamaverunt iusti GT454
L149E Ego dixi Domine GT279
L149C Cantabo Domino qui bona GT283
L152S Sicut in holocausto GT299
L152I Inclina aurem tuam GT300
L164D De profundis GT368
L168I Iubilare Deo GT258
L168S Specie tua GT416
L168L Laudate Deum GT262
L169A Adorabo ad templum GT270
L173D Deus iudes iustus GT286
L174D Domine in virtute tua GT292
L174I In te Domine speravi GT296
L174O Omnes gentes plaudite manibus GT298
L174T Te dece hymnus GT305

	uncinus		
✓	un	L78H	testamenti
✓	un1	L78H	calix
✓	un2 Cf. 𐌹𐌺	un21sm1	minus letter
𐌹𐌺	un21sm1	L820	fecisti
𐌹𐌺	un1sm1	L75V	qui
𐌹𐌺	un1st1	L103R	alleluia
𐌹𐌺	un1st2	L820	fac
𐌹𐌺	un1st8	L24D	opera
𐌹𐌺	un11st8	L1120	Christo
𐌹𐌺	un1sm21ss31st8	L43S	scuto
	punctum		
•	pu	L820	iudicio
✓	pu1	L56D	revereantur
𐌹𐌺	pulsnt3	L75V	flentes
	virga		
✓	vi	L820	Domine
✓	viS Cf. 𐌹𐌺	vipp2su2	minus punctis
9	vi>	L78H	in
9	vi>1 Cf. 𐌹𐌺	vi>11sa21sc8	minus letters
9	vi>2	L820	nobiscum
𐌹𐌺	vilst1	L78H	meam
𐌹𐌺	vilst2	L95D	meus
𐌹𐌺	vilst9	L105A	quaeritis,
𐌹𐌺	vilss1	L103P	Alleluia.
𐌹𐌺	vilss2	L95D	avertas
𐌹𐌺	vilsst1	L103P	Alleluia.
𐌹𐌺	vilst21sa8	L95D	eius.
𐌹𐌺	vi>1sa6	L78H	testamenti
𐌹𐌺	vi>1sc6	L56D	adiuvandum
𐌹𐌺	vi>11sa21sc8	L126F	loquentes
	tractulus		
✓	ta	L24T	tuam.
✓	ta>	L78H	dicit
✓	ta>1	L820	mandatis
✓	ta>2	L90D	sancto
𐌹𐌺	ta>1sn12	L45R	dominentur
𐌹𐌺	ta>21sc2	L90D	Libera
	pes		
✓	pe	L78H	commemorationem
✓	peG	L78H	vobis
✓	pe>	L95D	exaudi
✓	pe>1	L78H	sanguine
✓	peG1	L67S	tua,
✓	pelsa2	L820	peccavimus
✓	pelsc2	L67S	tuus,
✓	pels12	L43L	iustitiam
✓	pelsm2	L81E	meam,
✓	pelsn2	L149C	qui
✓	pelsn3	L125S	replevit
✓	pelsst1	L103P	immolatum
𐌹𐌺	pelsst11sm4	L44I	Elevatio
✓	pelst2	L103H	saeculum
𐌹𐌺	peG1sf1	L67S	non
𐌹𐌺	peG1sa6	L109P	vocavit
𐌹𐌺	pe>11sa6	L114V	alleluia
	porrectus		
✓	po	L78H	facite
✓	poG	L64D	mecum
✓	poM Cf. 𐌹𐌺	poMsn1	minus uncinus
✓	po> Cf. 𐌹𐌺	po>pp2	minus prepunctis
✓	po>1	L81E	descendentibus
✓	polsf21st3	L95D	meus
✓	polst2	L103H	saeculum
	clivis		
✓	cl Cf. 𐌹𐌺	cl1sn9	minus letter
✓	clG	L78H	hoc
✓	clG1	L105N	accedens
✓	clG1sa5	L820	obedivimus
𐌹𐌺	clG1sn12	L44I	Elevatio
𐌹𐌺	clM	L78H	quotiescumque
✓	cl>	L75V	monumentum
✓	cl>1	L34E	locum
✓	cl1shn8	L640	imples
✓	cl1sn8	L95D	velociter
✓	cl1sn9	L67S	tua,
✓	cl1sst8	L640	imples
✓	cl1st9	L95D	tempus

<i>cl>lsa5</i>	L71D	effundam
oriscus-clivis		
oc	L78H	sanguine
ocG	L56D	Deus
ocG1	L11Q	veniet
ocGlsa5	L103T	resurgeret
oclst8	L95D	Domine
torculus		
to	L78H	pro
toS	L56S	populum
toS1	L68N	Nemo
toG	L78H	tradetur
to>	L67S	mortis
to	L37M	et
tolsf4	L95D	tempus
tolsn8	L44I	vespertinum.
tolst9	L103P	Alleluia.
tolsth8	L56I	Dominus,
tolst21st9	L92E	me
toGlsa11st8	L109P	alleluia.
toGlsa5	L68N	condemnabo
toSlsa5	L77S	enim
to>lsa5	L118E	in
to>2lsa3	L67Q	salientis
to>2lsc1lsa3	L104I	terram
climacus		
ci	L95D	eius.
unsun2	L820	da
unsun3	L103P	immolatus
unsux1	L169A	sanctum
unsun1su2	L109P	tenebris
pusu1sun1	L78H	tradetur
pusu1sun2	L95D	Sion
pusu2sun1	L95D	eius.
visu1sun1	L95D	faciem
visu1sun2	L40Q	latere
visu1sun2lsa5	L174D	et
visu1sun2lsa6	L174D	et
visu1sun1su1 Cf.	visu1sun1su11st6 minus letter	
visu1sun1su11st6	L105N	descendit
visu1sun1su2 Cf.	visu1sun1su21ss11st6 minus letters	
visu1sun1su21ss11st6	L168I	Alleluia.
visu2	L95D	misereberis
visun1su1sun1	L60E	conspectu
visun1su1sun11st6	L35T	virtutem
cilsf1	L95D	Sion
cilsn8	L58A	iniquis,
pusu1sun1lsf1	L95D	mei
pusu1sun2lsa5	L67S	timebo
pusu1sun11st7	L60E	homo
pusu3	L640	escam
pusu4	L92E	persequuntur.
unsun2su1	L640	escam
unsun1su1 Cf.	unsun1su11st21sc6 minus letters	

unsun1su11st21sc6	L11Q	deducis
unsun2lsa5	L19B	mirabile
unsun3lsa3	L24T	gentes
unsun3lsa6	L24T	tuam.
unsun2su2	L169A	confitebor
un1sun2su2	L136A	aeternam
un1sun1su1sun1lsa11sc4	L60E	retrorsum
un1sun1su1sun1lsa31sc6	L60E	retrorsum
un1sun1su2 Cf.	un1sun1su21lsa5 minus letter	
un1sun1su21lsa5	L107H	Domini
scandicus		
sc Cf.	sc1st2 minus letter	
sc1	L820	quia
sc1st2	L78H	quotiescumque
sc11sc4	L109P	vocavit
porrectus flexus		
pf	L78H	corpus
pf1	L95D	exaudi
pf2	L101V	Sorec,
pfS	L56D	festina
pfM Cf.	pfM1smd3 minus letter	
pfM1smd3	L81E	meam,
pf>	L164D	ad
pf>1	L90D	miserunt
pf>2	L104I	alleluia,
pf	L95D	clamor
pf 1	L31D	ad
pes subbipunctis		
tosu1	L820	Domine
tosun1	L95D	fumus
tosun2	L105N	revolvit
vippn1su2	L820	misericordiae
topp1su1 Cf.	topp1su11lsa6 minus letter	
topp1su11lsa6	L95D	ad
pesu2 Cf.	pesu21st3 minus letter	
pesu21st3	L152I	eruas
pesun3 Cf.	pesun31ss11lsa3 minus letters	
pesun31ss11lsa3	L67S	medio
pesu2sun1	L24T	terrae
tosun1lsa5	L67S	tua,
tosu11sc5	L19B	venit
toSsun1lsa5	L138S	luna
tosun1su1sun1	L33S	venti.
tosun1su21sn31st6	L112D	nomine
tosun2lsa6	L123A	alleluia.
scandicus flexus		
sf	L78H	meo
sfG	L33C	eam.
torculus resupinus		
tr	L78H	sumitis
trS	L95D	Domine,
tr>	L64D	diligent
poppn1	L820	vero
po>ppn1	L820	secundum
po>ppn1ppz1	L18L	faciem
po>pp2	L28G	angeli,
tr1st31shp7	L109P	alleluia.
tr1ss11ss3	L103P	Christus.
trS1sc1	L103P	nostrum
distropha		
ds Cf.	ds1st2 minus letter	
ds1st2	L95D	meam
ds1st8	L71D	effundam
ds1 Cf.	ds1pp3 minus prepunctis	

	tristroph		
...	ts	L820	fac
...	ts1	L76E	Eripe
...	ts>	L56D	adiuvandum
...	ts>1	L103R	alleluia
...	tslsa2	L13A	tecum
...	tslsc2lst2	L58A	Domine,
...	ts>lsc2	L103R	alleluia
...	ts>lsc6	L103T	dum
	trigonus		
...	tg	L67S	tua,
...	tglsn8	L67S	mala
...	tg1st9	L103R	alleluia
	bivirga		
...	bv	L820	Domine
...	bvlsa2	L820	nobis
	trivirga		
...	tv	L103H	bonus
...	tv1sm2	L44I	Elevatio
	pressus		
...	pr	L95D	veniat
...	pi Cf.	c11!pi	minus clivis
	virga strata		
...	vs	L64D	Deus
...	vsG	L64D	suavis
	oriscus		
...	or Cf.	ocG	minus uncinus
...	or1st3	L103P	Alleluia.
...	or1 Cf.	ocG1	minus uncinus
...	or> Cf.	or>lsa1	minus letter
...	or>lsa1	L103R	alleluia,
	salicus		
...	sa	L820	nomini
...	sa1	L78H	novi
...	sa>1	L9E	sanctos
...	salsc4	L93G	exsurge
...	salsc6	L93G	autem,
...	sa1lsc4	L81E	salvasti
...	sa1lsc6	L113E	bonus,
	pes quassus		
...	pq	L103H	eius.
...	pq1	L169A	Alleluia. L174T
	quilisma		
...	q1 Cf.	q1lsst2	minus letter
...	q1lsst2	L53C	Domine,
...	q1> Cf.	q1>ppn1	minus uncinus
	pes stratus		
...	pt1	L13A	ventris
...	pt2	L8U	confundentur,
...	pt3	L94C	Domine.
	subpunctis		
...	su1 Cf.	c11!pi!tosu1	
...	su1sun1 Cf.	c1!toppz1su1sun1	
...	su1sun1su1 Cf.	visu1sun1su11st6	
...	su1sun1su2 Cf.	visu1sun1su21ss11st6	
...	su1sun2 Cf.	pusu1sun2	
...	su1sux1 Cf.	popp2su1sux1	
...	su2 Cf.	c11!pi!pesu2	
...	su2sun1 Cf.	clsu2sun11st6	
...	su3 Cf.	pusu3	
...	su4 Cf.	pusu4	
...	sun1 Cf.	c11!pi!orsun1	
...	sun1su1 Cf.	unsun1su11st2lsc6	
...	sun1su1sun1 Cf.	visun1su1sun1	
...	sun1su2 Cf.	qlppn1sun1su2	
...	sun2 Cf.	qlsun2	
...	sun2su1 Cf.	unsun2su1	
...	sun2su2 Cf.	unsun2su2	

...	sun3 Cf.	unsun3
...	sun4 Cf.	bvsun4
...	sux1 Cf.	posux1
	prepunctis	
...	pp1 Cf.	pupp1su2
...	pp2 Cf.	c11!pipp2
...	pp2ppn1 Cf.	vipp2ppn1
...	pp3 Cf.	vipp3lsn3
...	pp4 Cf.	vipp41st2
...	ppn1 Cf.	po>ppn1
...	ppn1pp1 Cf.	vippn1pp1
...	ppn1pp1ppz1 Cf.	vippn1pp1ppz11st8
...	ppn1ppq1 Cf.	vippn1ppq1
...	ppn1ppz1 Cf.	ql!cl!orppn1ppz1
...	ppn1ppz1ppq1 Cf.	vi>1ppn1ppz1ppq1
...	ppn2 Cf.	vippn21st3lsa4
...	ppn2ppz1 Cf.	vippn2ppz1sun11sa5
...	ppn2ppz1ppq1 Cf.	vippn2ppz1ppq11st2lsa8
...	ppn3 Cf.	unppn3sun11sa5
...	ppn3ppz1 Cf.	toppn3ppz1sun1
...	ppn4 Cf.	vippn4
...	ppq1 Cf.	vippq1
...	ppz1 Cf.	puppz1su2
...	ppz1ppq1 Cf.	vi>1ppz1ppq1
	combined glyphs	
...	pe!ta Cf.	pe!talsa2 minus letter
...	pe!talsa2	L820 iudicio
...	pe!talsc11st2	L114C revelavit
...	pe!un Cf.	pe!unlsc2 minus letter
...	pe!unlsc2	L95D meam
...	pe!pu	L95D eius.
...	pe!ta>2 Cf.	pe!ta>2lsa2 minus letter
...	pe!ta>2lsa2	L60E gentes
...	pe!or	L93G induebam
...	qlppn1sun1	L53C Domino,
...	qlppn1sun1su2	L820 tibi
...	qlppn1su1sun2	L95D frixorio
...	qlppn1su2 Cf.	qlppn1su21sn11 minus letters
...	qlppn1su21sn11	L75V mortuus.
...	qlppn1sun1lsc5	L54B quoniam
...	qlppn1su1sun1	L107H fecit
...	qlsu1sun1	L43L tua
...	qlsu1sux1	L71D aquam
...	qlsu2	L67S tua,
...	qlsux1	L53C quoniam
...	qlsun1su2	L44I mearum
...	qlsun1 Cf.	qlsun1lsa5 minus letter
...	qlsun1lsa5	L40Q millia
...	qlsun2	L122N alleluia.
...	qlsun2lsa5	L125U alleluia.
...	ql!po	L820 obedivimus
...	ql!poppz1 Cf.	ql!poppz1lsa3 minus letter
...	ql!poppz1lsa3	L95D Domine,
...	ql!poppn1	L43L Domine,
...	ql!posu1sun1 Cf.	ql!poppz1su1sun1 minus uncinus
...	ql!poppz1su1sun1	L43L mandata
...	ql!posun1 Cf.	ql!poppn1sun1 minus uncinus
...	ql!poppn1sun1	L61I Iustitiae
...	ql!poppn11st2	L103P Alleluia.
...	ql!posux1 Cf.	ql!poppn1sux1 minus uncinus
...	ql!poppn1sux1	L61I corda,

ql!polsm1	L103P	immolatus	vipp3lsn3	L152S	Sicut
ql!polsa1lsa3lsa9	L56P	nostris	vippn1pp1	L11Q	Israel,
ql!po> Cf.	ql!po>ppn1	minus uncinus	vippn1pp1su1sun2	L40Q	volante
ql!po>ppn1	L60A	ancillae	vippn3su4	L173D	Alleluia.
ql!cl	L43L	doceas	vipp4 Cf.	vipp41st2	minus letter
ql!cl!to Cf.	ql!cl!tolst6	minus letter	vipp41st2	L13A	Ave
ql!cl!tolst6	L95D	me.	vippz1ppq1	L40Q	lapidem
ql!cl!to!or Cf.	ql!cl!to!orsun1	minus uncinus	vippn1ppq1	L33S	venti.
ql!cl!to!orsun1	L19B	nobis.	vippn1ppz1ppq1	L101V	Israel
ql!cl!toppn1	L72B	vitam,	vippn1pp1ppz1 Cf.	vippn1pp1ppz11st8	minus letter
ql!cl!tosu3 Cf.	ql!cl!tosu31st6	minus letter	vippn1pp1ppz11st8	L25M	ore
ql!cl!tosu31st6	L82T	hostias,	vippn2ppz1ppq1 Cf.	vippn2ppz1ppq11st21sa8	minus letters
ql!cl!or Cf.	ql!cl!orppn1ppz1	minus uncinus & virga	vippn2ppz1ppq11st21sa8	L169A	confitebor
ql!cl!orppn1ppz1	L109P	Populus	vippn2ppz1sun11sa5	L173D	Alleluia.
ql!cl!tr> Cf.	ql!cl!tr>ppz1	minus virga	vippn3sun1lsa5	L173D	Alleluia.
ql!cl!tr>ppz1	L54B	vias	vippq1	L168S	regna.
ql!clppn1	L54B	a	cl1!or Cf.	cl1!or1ss3	minus letter
qlppn1	L820	nomini	cl1!or1ss3	L60E	iudicentur
qlppn1ppz1	L820	gloriam	cl1!or1sc3	L60E	conspectu
qlppn1ppz11st2	L820	da	cl1!pi	L95D	avertas
qlppn1ppz1sun1 Cf.	qlppn1ppz1sun11sa5	minus letter	cl1!pi>	L53C	misericordia
qlppn1ppz1sun11sa5	L54B	mihi	cl1!pi!to	L820	fecisti
qlppn1ppz1su1sun1	L43I	dominorum	cl1!pi!vi	L95D	Domine,
qlppn2sun1 Cf.	qlppn2sun11sa5	minus letter	cl!pi!vi>	L67S	Virga
qlppn2sun11sa5	L53C	Beati	cl1!pi!cl	L640	implebis
qlppn2sun2 Cf.	qlppn2sun21sa51sa5	minus letters	cl1!pi!pesu2	L61I	dulciora
qlppn2sun21sa51sa5	L122V	sic	cl1!pilsn3lsa6	L174I	me
qlppz1su2	L40Q	draconem.	cl1!pilsn8	L53C	iudicium,
qlppz1su1sun1	L53C	nos	cl1!pilsn9	L640	Aperis
ql>ppn1	L95D	confrixa	cl1!pilst9	L90D	Longe
ql>ppn1lsc3	L90D	speraverunt	cl1!pipp2	L60A	Deum
popp2	L820	multitudinem	cl1!pi!orsun1	L90D	Israel.
popp2su1sux1	L8U	confundentur,	cl!po	L67S	es,
posux1	L20P	eius	cl!popp3	L122V	ascendentem
posux1lsa5	L114V	alleluia,	cl!to	L17H	eius.
posun1lsa5	L123A	alleluia.	cl!tosu1	L17H	eius.
poMsun1	L81E	meos	cl!tosu1lsc6	L81E	me
posu1sun1	L123E	alleluia.	cl!tosu1lsc61st8	L81E	me
vippn1su1	L56D	Deus	cl!topp2	L64D	misericordia
vippn1sux1	L53C	Memento	cl!topp21su1sun1	L35T	Israel
vippn1su1sun1	L45R	tuae,	cl!tolst9	L56I	dilexit
vippn1su1sun11st2	L95D	Domine,	cl!to>	L56I	aequitatem
vippn2sun1 Cf.	vippn2sun11sa4	minus letter	cl!tosun1lsa5	L164D	meam.
vippn2sun11sa4	L44I	mea	cl!to!pi Cf.	cl!to!pipp2	minus prepunctis
vippn2 Cf.	vippn21sa4	minus letter	cl!to!pipp2	L33C	arcus,
vippn21sc4	L56D	quaerunt	cl!to!pi!cl	L77S	Israel
vippn21sa4	L44I	Elevatio	cl!to!pi!clpp2	L33C	eius,
vippn21st31sa4	L103P	Alleluia.	cl!to!pi!clpp2lsn9	L68Q	Sion
vippn3	L38I	Domino,	cl!to!cl!cl	L81R	meis,
vippn4	L60E	homo	to!cl	L95D	Domine,
vipp2ppn1	L13A	gratia	to!cl!cl Cf.	to!cl!cl1st9	minus letter
cl!pe Cf.	cl!pelsc2	minus letter	to!cl!clsun2 Cf.	to!cl!clsun21sa5	minus letter
cl!pelst2	L95D	sum	to!cl!clsun21sa5	L43L	tuam
cl!pelsc2	L105A	Domini	to!cl!cl1st9	L8A	invocavite.
cl!pelsn7	L103H	ea.	to!cl!clsu1	L33P	meam.
vipp2su2	L43L	mihi	to!cl!pi	L84B	iniqui
vipp2sun1lsa5	L168L	eum	to!cl!orsun1	L114V	terrae
vipp3 Cf.	vipp3lsn3	minus letter	to!clsun1	L54B	quoniam
			to!clsun1lsa5	L11Q	Ioseph.
			to!clsu2 Cf.	to!clsu21sn6	minus letter
			to!clsu21sn6	L8D	dabit
			to!clsu1sun1 Cf.	to!clsu1sun11sm6	minus letter
			to!clsu1sun11sm6	L24D	opera
			clsu2sun11st6	L35T	tuam.

to!clM	L77C	corde
to!cl>1	L77C	tuum,
to!po	L84B	Appropinquaverunt
to!pohd	L105A	quaeritis,
to!to Cf.	to!toppn1sun1	minus 2x uncinus
to!tosun1 Cf.	to!toppn1sun1	minus uncinus
to!toppn1sun1	L43L	discam
to!to!pi!cl Cf.	to!to!pi!clpp2	minus prepunctis
to!to!pi!clpp2	L60A	nostrum,
toS!to	L53C	Confitemini
toS!tolst9	L90D	Deus,
toS!pe	L123E	Exaudi,
to!or	L67S	Domine.
to!orsun1lsa5	L8U	Domine.
to!orlst3	L114V	audiatur,
to!orlsc6	L152S	taurorum,
to!pi!cl	L31D	est,
to!pi!cl!pi!pi	L40Q	millia
to!pi!cl!pi!orsun1lsa5	L40Q	speravit,
oc!vi Cf.	oc!visun1	minus uncinus
oc!visun1	L95D	Domine,
orsu1sun1	L94C	Domine.
orsu1sun1lsc2	L94C	Domine.
orsu1sun1lsc3	L94C	iniquis
un!clG	L95D	exaudi
topp2	L95D	meus
topp2sun1	L45R	tuarum,
toppn3ppz1sun1	L58A	me.
to>pp2	L90D	insipientiam
pupp2su1sun1	L95D	sunt.
pupp2su2	L93E	me.
pupp1su2	L640	opportuno.
pupp1su1sun1	L58A	clamavi,
puppn1su1sun2	L40Q	mille,
puppz1su1sun2	L40Q	mille,
puppz1su2	L168S	tua
ds1!ds1	L43L	meos,
ds1!ts	L67S	mecum
ds1!ts1	L60E	tuo.
cl1!orsun1	L43L	considerabo
cl1!orsun1lsa5	L8U	fac
cl!or Cf.	cl!orpp2	minus prepunctis
cl!orpp2	L93G	induebam
cl1!orpp2	L103R	mirabilis
ds1!clsun2 Cf.	ds1!clsun2lst5	minus letter
ds1!clsun2lst5	L43L	doceas
ds1!clsu1sun1 Cf.	ds1!clsu1sun1lst5	minus letter
ds1!clsu1sun1lst5	L56S	Salvum
ds1pp3	L149E	tibi.
vi>1pp2	L67S	umbrae
vi>1ppz1ppq1	L40Q	custodiant
vi>1ppn1ppz1ppq1	L106S	Alleluia.
pfsun1 Cf.	pfsun1lsn5	minus letter
pfsun1lsn5	L67S	tua,
pfppn1ppq1sun1lsa5	L123A	Deus
un1ppn1ppq1sun2	L1120	estis,
un1sun2 Cf.	un1ppn1ppq1sun2	minus uncinus
		& quilisma
un1ppn1sun2	L1120	Christum
un1ppn1sun1su2lsa5	L152I	accelera,
clsun1lst5	L44I	vespertinum.
clsu3lst5	L60E	tuo.
tosu1sun1 Cf.	tosu1sun1lsn6	minus letter
tosu1sun1lsc6lst7	L109P	vocavit

tosu1sun1lsn6	L19B	venit
tosu2 Cf.	tosu2lst6	minus letter
tosu2lst6	L37M	tu
tgsun1lsa5	L103H	quoniam
cl!cl!clsun1lsa5	L103P	Alleluia.
cl!cl!cl Cf.	cl!cl!clsun9	minus letter
cl!cl!clsun9	L31D	Domine
cl!cl!pi	L54B	commovear
cl!cl!pi!vi	L123A	Dominus
cl!cl!to	L149E	meam,
cl!cl!po	L81R	insurgentibus
cl1!pi!pi!vi	L54B	es
cl1!pi!pisun1lsa5	L1740	plaudite
cl1!pi!tosu1	L37S	mei
cl1!pi!tosun1	L1740	plaudite
sa1sun1lsa5	L11Q	tuam
trsun2 Cf.	trsun2lsa5	minus letter
trsun2lsa5	L13A	Ave
trsux1 Cf.	trsux1lsa5	minus letter
trsux1lst8	L20P	eius,
trsux1lsa5	L136A	aeternam
trsu2 Cf.	trsu2lst3lsn8	minus letters
trsu2lst3lsn8	L136A	vobis
trsun1su2 Cf.	trsun1su2lsa3	minus letter
trsun1su2lsa3	L149C	Domini
trsun1lsa3lsa5	L18L	terra
trsun1lsa5 Cf.	trsun1lsa3lsa5	minus letter
bvsun4	L8U	me.
oc!cl	L31D	Domine.
oc!clM	L77S	peccatorum.
oc!pe!pu	L53C	tuo.
tg!cl	L31D	est,
tg!cl>1	L33C	eius,
tg!clsun9	L68Q	Sion
tg!or	L77C	tibi
unppn1sun2	L40Q	Cadent
unppn1sun2lsa5	L123E	quaesivi
unppn1sux1	L72B	eius
unppn1sux1lsa5	L24D	exaltavit
unppn1sun1su2	L58A	Domine,
unppn1ppz1sun1 Cf.	unppn1ppz1sun1lsa5	minus letter
unppn1ppz1sun1lsa5	L80S	habitat
unppn3sun1lsa5	L24D	fecit
ta>ppn1	L95D	et
ta>pp2	L33C	ut
pt1ppn1	L99P	tuo.
tssun1lsa5	L24D	dextera
cl>1pp2	L114C	alleluia,
tasu2	L24T	tuam.

significant letters				
<i>l̥</i>	lsa	<i>Cf.</i> <i>l̥</i>	vi>lsa6	augete
<i>l̥</i>	lsc	<i>Cf.</i> <i>l̥</i>	pe!unlsc2	celeriter
<i>l̥</i>	lseq		L78H hic	equaliter
<i>l̥</i>	lseq-		L78H quotiescumque	equaliter
<i>l̥</i>	lsequ		L56D confundantur	equaliter
<i>f</i>	lsf	<i>Cf.</i> <i>f</i>	polsf2l1st3	fastigium
<i>h</i>	lsh		L44D a	humiliter
<i>h</i>	lshn	<i>Cf.</i> <i>h</i>	cllshn8	humiliter nectum
<i>h</i>	lshp	<i>Cf.</i> <i>h</i>	trl1st3lshp7	humiliter parum
<i>l</i>	lsl	<i>Cf.</i> <i>l</i>	pelsl2	levare
<i>n</i>	lsn	<i>Cf.</i> <i>n</i>	cllsn9	non (tenere), negare, nectum, naturaliter
<i>n</i>	lsn1	<i>Cf.</i> <i>n</i>	clGlsn12	non levare
<i>n</i>	lsnt	<i>Cf.</i> <i>n</i>	pulsnt3	non tenere
<i>n</i>	lsm		L67S Virga	mediocriter
<i>n</i>	lsmd		L820 da	mediocriter
<i>f</i>	lss		L95D tempus	sursum
<i>f</i>	lssimp		L8U Domine,	simpliciter
<i>f</i>	lssimpl		L81R insurgentibus	simpliciter
<i>f</i>	lssp		L54Ae Domine,	sursum parum
<i>f</i>	lsst	<i>Cf.</i> <i>f</i>	pelsst1lsm4	sursum tenere
<i>t</i>	lst	<i>Cf.</i> <i>t</i>	clsun1l1st5	tenere
<i>t</i>	lsth	<i>Cf.</i> <i>t</i>	tolsth8	tenere humiliter
tironian notes				
<i>l̥</i>	lti	L78H	pro	iusum
<i>l̥</i>	ltdo	L140	misericordiam	deorsum
<i>l̥</i>	ltdr	L132E	descendit	devertit
<i>l̥</i>	ltdx	L122V	intuerentus	devexum
<i>l̥</i>	ltps	L128S	veniat,	prode sub eam (trade subtus)
<i>l̥</i>	ltqm	L118E	sum	quam mox
<i>l̥</i>	ltsb	L11Q	et	sub
<i>l̥</i>	ltse	L144C	corde	seorsum
<i>l̥</i>	ltsj	L164D	meam	subjice
<i>l̥</i>	ltsl	L117R	delectati	saltim
<i>l̥</i>	ltsn	L17H	gloriam	sonare
<i>l̥</i>	ltsp	L10I	lerusalem	supra
<i>l̥</i>	ltsr	L14P	et	sursum
<i>l̥</i>	ltst	L25L	omnes	saltate (salte)
<i>l̥</i>	ltus	L17H	eius.	ut supra