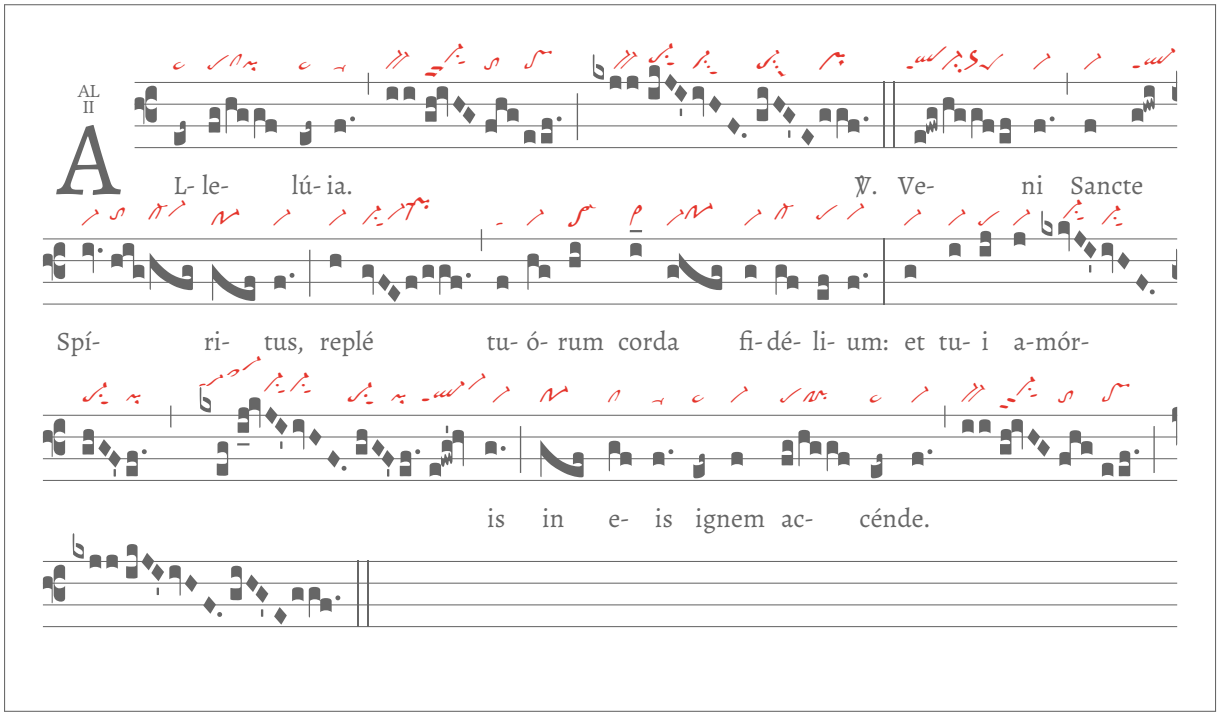
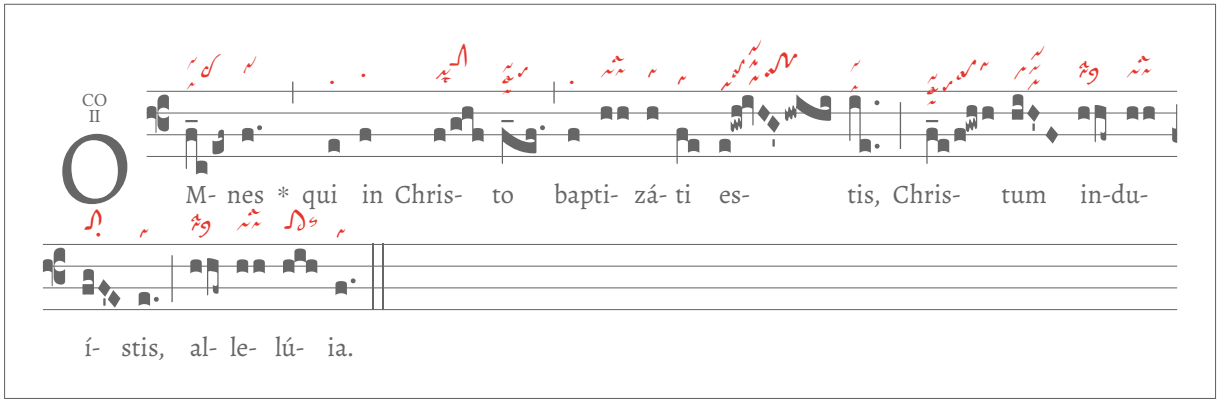
nabc language for gregorio





The nabc language provides the ability to describe some adiastematic 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 adiastematic neumes in gabc, the header should contain `nabc-lines: 1;` line, like:

```
nabc-lines: 1;
(f3) AL(ef~|ta>)le(fg/hggf|peclhgpi)lú(ef~|ta>)ia.(f.|ta-) (,)
(ii//|bv-|gh!ivHG//|vi-hhppu2su1sut1|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 descriptor*s, optionally followed by a sequence of *significant letter descriptor*s.
The *horizontal spacing adjustment descriptor* consists of a sequence of horizontal spacing adjustment characters `/` and `` ` ``.

- `//` move by `nabclargerspace` skip to the right
- `/` move by `nabcinterelementspace` skip to the right
- `` `` `` move by `nabclargerspace` skip to the left
- `` ` `` move by `nabcinterelementspace` skip to the left

The *complex glyph descriptor* consists of a *glyph descriptor*, optionally followed by a sequence of other *glyph descriptor*s, 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` stropha	`pr` pressus maior	`ql` quilisma (3 loops)
`ta` tractulus	`ci` climacus	`ds` distropha	`pi` pressus minor	`qi` quilisma (2 loops)
`gr` gravis	`sc` scandicus	`ts` tristropha	`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 descriptor*s in the *complex glyph descriptor*, it is best to use the same one on all the other *basic glyph descriptor*s 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 stropha
- `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 stropha.
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
`lsco` 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>2lse7lsl3qlhh!vshhppt1sut2ql>ppu3
```

``` stands for a negative horizontal skip (move to the left) by `nabcinterelementspace` 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>2lse7lsl3` 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.
`ql>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 stropha, 2 loops quilisma and gravis removed:

`un` uncinus
`vi` virga
`pu` punctum
`ta` tractulus
`gr` gravis
`cl` clivis
`oc` oriscus-clivis

`pe` pes
`po` porrectus
`to` torculus
`ci` climacus
`sc` scandicus
`pf` porrectus flexus
`sf` scandicus flexus

`tr` torculus resupinus
`ds` distropha
`ts` tristropha
`tg` trigonus
`bv` bivirga
`tv` trivirga
`pr` pressus maior

`pi` pressus minor
`vs` virga strata
`or` oriscus
`sa` scandicus
`pq` pes quassus
`ql` quilisma
`pt` pes stratus

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` uncinus
- `q` quilisma
- `z` virga
- `x` cephalicus

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 `ls` prefix, which should be followed by the above mentioned position digit for Laon neumes are:

`lsa` augete
`lsc` celeriter
`lseq` equaliter
`lseq-` equaliter
`lsequ` equaliter
`lsf` fastigium
`lsh` humiliter
`lshn` humiliter nectum
`lshp` humiliter parum
`lsl` levare
`lsn` non (tenere), negare, nectum, naturaliter

`lsnl` non levare
`lsnt` non tenere
`lsm` mediocriter
`lsmd` mediocriter
`lss` sursum
`lssimp` simpliciter
`lssimpl` simpliciter
`lssp` sursum parum
`lsst` sursum tenere
`lst` tenere
`lsth` tenere humiliter

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

`lti` iusum
`ltdo` deorsum
`ltdr` devertit
`ltdx` devexum
`ltps` prode sub eam (trade subtus)
`ltqm` quam mox
`ltsb` sub
`ltse` seorsum

`ltsj` subjice
`ltsl` saltim
`ltsn` sonare
`ltsp` supra
`ltsr` sursum
`ltst` saltate (salte)
`ltus` ut supra

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.	dimi nut.
virga	vi	vilsc3 vilst1 vippt1lsc2	vi-				vi>	
tractulus	ta	talsc3 talst2					ta>	
punctum	pu						st visu1sux1	
gravis	gr							
clivis	cl	cllsc3 cllst2 cl-lst2	cl- clS-	clS clS1		clM	cl> cl>1	cl~
pes	pe		pe- pe-1	peS	peG	peG	pe> pe>1 pe>2	pe~
porrectus	po	polsc2	po- po-1		poG		po>	po~
torculus	to	tolsc3 tolsc4lst3 tolst2	to- to-1	toS toS1 toS2 toS3	toG	toM toM1	to>	pe>
climacus	ci ci1	cilsc3 cilst2	ci-	ciS ciS1 visut1su2	ciG ciG1	ciM	ci>	ci~
scandicus	sc		sc-	scS	scG scG1	scM1	sc>	sc~
	sc1		vi-hevi-hivi-hm			vihevihivihm		
porrectus flexus	pf	pflsc2 pf1lsc2 pflst2	pf-	pfS	sfM	pfM	pf>	pf~
pes subbipunctis	pesu2	vippt1su2lsc3	pe-su2 pe-1su2	peSsu2 peSsut2	vippt1su2	vi-!ci pesu1suw1	pesu1sux1	to>
			pe-1sut2		toS2sut1			
scandicus flexus	sf	sflsc3	sf-	sfS	vi-tohk peclhi	sfM	cl>ppt2	sc>
torculus resupinus	tr	trlsc2 trlst2	tr-1	trS	trG trG1 trG2	trM	tr>	tr~
apostropha	st		st-	stS			st>	
distropha	ds	ds-lsx6	ds-				ds>	
tristropha	ts	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>
		pilsc2 pilst2						or>
virga strata	vs	vslsc3 vslst2	vs-				vs>	ta>
oriscus	or						or>	
salicus	sa sa1	salsfr1 saM1lsfr1	sa- sa-1		saG	saM saM1 saM2	sa> sa->1	pe>2
pes quassus	pq	pqlsfr1	pq-				pq>	
quilisma	ql qi		ql- qi-				ql> qi>	
pes stratus	pt							

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	un						
punctum	pu						
virga	vi	viS vipp2su2vihh				vi>1	
tractulus	ta	ds ts		talst2 tslsc2lst2		ta>2	
clivis	cl		clG	cllsn9 cllst9 clGlsa5	clG1 clM	cl> cl>1	vi> ta>2
pes	pe		peG	pelsn3 pelst2 pelsc2		pe>1	ta>
porrectus	po		poG		poM	po>	
torculus	to	toS1	toG	toGlsa5 toSlsa5 toSsun1lsa5 tolst9		to>	
climacus	ci	pusu1sun1 visu2 unsun2		visu2lst3			cl>1
scandicus	sc sc1	vippn1pp1 vippn2	pevihl	sclst2 pelst2vihl pelsa2vihl		vi>1pp2	ta>ppn1 ta>pp2
porrectus flexus	pf1	pfS	unhg`to po`un	unhglst2`to po`unlsa2	pfM	pf>	
(pes subbipunctis)	tosu1	tosun1	vippn1su2 unppn1sun2	tosu1lsc5 tosun1lsa5			
			visu1sun1	unlst2`puhisu1sun1			
scandicus flexus	sf		unhd`to sfG	unhdlst2`to pelst2clhh			
torculus resupinus	tr	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 &	ql			or>	
		at the syllabic articulation	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	pe!or			
quilisma	ql ql!cl ql!po						
pes stratus		pt1					

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		
bv-		
bv>		
ci		
ci-		
ci-pp2		
ci1		
ci>		
ciG		
ciG1		
ciM		
ciM-	missing	
ciS		
ciS1		
ciSppt1		
cilsc3		missing
cippt1		
cippt1lsc3		missing
cippu1		
cippu1lsc3		missing
ci~		
cl		
cl!cl>1		
cl!clS		
cl!clSsut2		
cl!pi		
cl!pilsc1lst3		missing
cl!pilsc2		missing
cl!po		
cl!po-1		
cl!po>		
cl!po>ppt1		
cl!pr		
cl-		
cl-!pi		
cl-1su2		
cl->		
cl->1		
cl-lst2		missing
cl-ppt1	missing	
cl-ppt2		
cl>		
cl>1		
cl>pp2	missing	
cl>ppt2		
clM		
clM-		
clMpp2	missing	
clS		
clS-		
clS-1		
clS-su2		
clS1		
clSsu1sut1		
clSsu2		
clSsut1		
clSsut1sux1	missing	
clSsut2		
clSsux1	missing	
cllsc3		missing
cllst2		missing

clpp2		
clppt1		
clppt2		
cl~		
ds		
ds-		
ds>		
dslsx6		missing
gr		
gr-		
gr-lsc6		missing
lsal		
lsam		
lsb		
lsc		
lscm		
lsco		
lscw		missing
lsd		missing
lse		
lseq		missing
lsew		missing
lsfid		missing
lsfr		
lsg		
lsi		
lsim		
lsiv		missing
lsk		
lsl		
lslb		
lslc		
lslen		missing
lslm		
lslp		
lslt		
lsm		
lsmoll		
lsp		
lspar		missing
lspfec		missing
lspm		
lspulcre		missing
lss		
lssb		
lssc		
lssimil		
lssimul		missing
lssm		
lsst		
lssta		missing
lst		
lstb		
lstm		
lstw		missing
lsv		missing
lsvol		missing
lsx		
or		
or>		
pe		
pe!vi		
pe-		

pe-1		
pe-1su1sut1		
pe-1su1sut2		
pe-1su1suu1		
pe-1su1suu2		
pe-1su1suw1		
pe-1su2		
pe-1sut1suw1		missing
pe-1sut1sux1		
pe-1sut2		
pe-1sut3		
pe-1suw2		
pe->		
pe->1		
pe-su1sut1		
pe-su2		
pe-su2suy1		
pe-su3sut1		
pe-su4		
pe>		
pe>1		
pe>2		
pe>ppt1	missing	
peG		
peS		
peSsu1sux1		
peSsu2		
peSsut1su2		
peSsut2		
peSsut3		
peppt1		
pesu1sut1		
pesu1sut3		
pesu1suu1		
pesu1suw1		
pesu1sux1		
pesu2		
pesu2suv1		
pesu3		
pesut2		
pesuv1su1sut1		
pe~		
pf		
pf!cl-		
pf!clM-		
pf!clM-ppt1		
pf!cl~		
pf!cl~ppt1		
pf!pr		
pf-		
pf1lsc2		missing
pf>		
pfG		
pfM		
pfM-	missing	
pfMsut1		
pfMsuu1	missing	
pfS		
pflsc2		missing
pflst2		missing
pf~		
pi		

pi>
piM missing
pilsc2 missing
pilst2 missing
pisu1
pisut1
po
po-
po-1
po-1pp2su1sux1
po-1su1sux1
po-1su2
po-2 missing
po>
poG
poG-
poG-1 missing
poG1 missing
polsc2 missing
posu2
po~
pp1
pp2
pp3
pp4
pp5 missing
ppt1
ppt2
ppt3
ppt4
ppt5
ppu1
ppu2
ppu3
ppu4
ppu5
pq
pq!cl
pq!cl-
pq!cl>
pq-
pq-su2
pq>
pqS
pqS- missing
pqS>
pqlsfr1 missing
pr
pr-
pr-lsc3 missing
pr>
prM
prlsc2 missing
prlst2 missing
pr~
pt
pu
qi
qi!cl
qi!cl-
qi!cl>
qi!clppt1
qi!po
qi!po> missing
qi!vs
qi!vsppt1
qi!vsppt1su2
qi!vssu2
qi-
qi-ppt1su1sut2
qi-su1sut2
qi-su1sux1
qi-su2
qi-sut2
qi-sut3
qi>
qi>ppt1
qippt1
qippt2sut2
qisut1sux1
qisut2
ql
ql!cl
ql!cl!cl>
ql!cl!cl>ppt1
ql!cl!pi
ql!cl!pippt1
ql!cl-
ql!cl->
ql!cl->ppt1
ql!cl-ppt1
ql!cl>
ql!cl>ppt1
ql!clM
ql!clMppt1
ql!clS missing
ql!clS-2
ql!clS-2ppt1
ql!clS-2ppt1sut1
ql!clS-2sut1
ql!clppt1
ql!pf
ql!pf-
ql!po
ql!po-1
ql!po-1ppt1
ql!po>
ql!poppt1
ql!po~
ql!po~ppt1
ql!vs
ql!vsppt1
ql!vsppt1su2
ql!vsppt1sut2
ql!vssu2
ql!vssu3
ql!vssut2
ql-
ql-ppt1
ql-ppt1su1sut2
ql-ppt1su1suu1
ql-ppt1su1sux1
ql-ppt1su2
ql-ppt1su3
ql-ppt1sut2suu1
ql-ppt1suu2
ql-ppt2su1suv1su2
ql-su1sut1
ql-su1sut2
ql-su1suu1
ql-su1suu2
ql-su1suv1su2
ql-su1sux1
ql-su2
ql-su3
ql-sut1sux1
ql-sut2
ql-sut2suu1
ql-suu2
ql>
ql>ppt1
qlppt1
qlppt1sut3
qlsut2
qlsut3
sa
sa!cl
sa!cl-
sa!cl>
sa!clS-1
sa!clS1
sa!clS1lsc2 missing
sa-
sa-1
sa->1
sa-lsfr1 missing
sa-su2sut1
sa1
sa1!cl->
sa1!cl>
sa>
sa>1 missing
sa>2
saG
saM
saM-1
saM-4
saM1
saM2
saM3
saM4
salsfr1 missing
sapp1
sa~
sc
sc-
sc-1 missing
sc1
sc>
scG
scG-1 missing
scG1
scM missing
scM1
scM2

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

vi-sut4

vi-suu1su2

vi-suu2

vi-suu2su2

vi-suu3

vi>

vi>pp2

vi>ppt2

vi>ppt3

vilsc3

vilst1

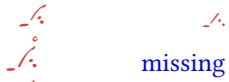
vipp2

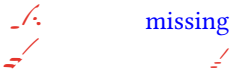
vipp3

vipp4

vippt1su1sut1

vippt1su2

vippt1su2lsc3 

vippt2 

vippt3

vippu1su2

vippu1su2lsc3

visu1sut1

visu1sut1su1sut1

visu1sut1su2

visu1sut1sux1

visu1sut1suy1

visu1sut2

visu1suu1

visu1suu1su2

visu1suv1

visu1suw1

visu1sux1

visu2

visu2lsc3

visu2sut1

visu2suw1

visu2sux1

visu3

visu5

visut1su2

visut1sux1

visut2

visut2su2

visut2sux1

visut2suy1

visut3

visut3suw1

visut3suy1

visut4

visuu1su2

visuu2su2

visuv1su2

vs

vs-

vs->

vs>

vslsc3

vslst2

vs~

vi-sut4		vippu1su2	
vi-suu1su2		vippu1su2lsc3	
vi-suu2		visu1sut1	
vi-suu2su2		visu1sut1su1sut1	
vi-suu3		visu1sut1su2	
vi>		visu1sut1sux1	
vi>pp2		visu1sut1suy1	
vi>ppt2		visu1sut2	
vi>ppt3		visu1suu1	
vilsc3	missing	visu1suu1su2	
vilst1	missing	visu1suv1	
vipp2		visu1suw1	
vipp3		visu1sux1	
vipp4		visu2	
vippt1su1sut1		visu2lsc3	missing
vippt1su2		visu2sut1	missing
vippt1su2lsc3	missing	visu2suw1	
vippt2		visu2sux1	
vippt3		visu3	
		visu5	
		visut1su2	
		visut1sux1	
		visut2	
		visut2su2	
		visut2sux1	missing
		visut2suy1	
		visut3	
		visut3suw1	
		visut3suy1	
		visut4	
		visuu1su2	
		visuu2su2	
		visuv1su2	
		vs	
		vs-	
		vs->	
		vs>	
		vslsc3	missing
		vslst2	missing
		vs~	

Table with nabc strings and corresponding grelaon glyphs:

bv
bvlsa2
bvsun4
ci
cilsf1
cilsn8
cl
cl!cl!cl
cl!cl!cllsn9
cl!cl!clsun1lsa5
cl!cl!pi
cl!cl!pi!vi
cl!cl!po
cl!cl!to
cl!or
cl!orpp2
cl!pe
cl!pelsc2
cl!pelsn7
cl!pelst2
cl!pi!vi>
cl!po
cl!popp3
cl!to
cl!to!cl!cl
cl!to!pi
cl!to!pi!cl
cl!to!pi!clpp2
cl!to!pi!clpp2lsn9
cl!to!pipp2
cl!to>
cl!tolst9
cl!topp2
cl!toppz1su1sun1
cl!tosu1
cl!tosu1lsc6
cl!tosu1lsc6lst8
cl!tosun1lsa5
cl1!or
cl1!orlsc3
cl1!orlss3
cl1!orpp2
cl1!orsun1
cl1!orsun1lsa5
cl1!pi
cl1!pi!cl
cl1!pi!orsun1
cl1!pi!pesu2
cl1!pi!pi!vi
cl1!pi!pisun1lsa5
cl1!pi!to
cl1!pi!tosu1
cl1!pi!tosun1
cl1!pi!vi
cl1!pi>
cl1!pilsm3lsa6
cl1!pilsn8
cl1!pilsn9
cl1!pilst9
cl1!pipp2
cl>
cl>1
cl>1pp2
cl>lsa5
clG
clG1
clGlsa5
clGlsnl2
clM
cllshn8
cllsm2
cllsn8
cllsn9
cllsnt2
cllsst6
cllsst8
cllst9
clsu2sun1lst6
clsu3lst5
clsun1lst5
ds
ds1
ds1!clsu1sun1
ds1!clsu1sun1lst5
ds1!clsun2
ds1!clsun2lst5
ds1!ds1
ds1!ts
ds1!ts1
ds1pp3
dslst2
dslst8
lsa
lsc
lseq
lseq-
lsequ
lsf
lsh
lshn
lshp
lsl
lsm
lsmd
lsn
lsnl
lsnt
lss
lssimp
lssimpl
lssp
lsst
lst
lsth
ltdo
ltdr
ltdx
lti
ltps
ltqm
ltsb
ltse
ltsj
ltsl
ltsn
ltsp
ltsr
ltst
ltus
oc
oc!cl
oc!clM
oc!pe
oc!pe!pu
oc!vi
oc!visun1
ocG
ocG1
ocGlsa5
oclst8
or
or1
or>
or>lsa1
orlst3
orsu1sun1
orsu1sun1lsc2
orsu1sun1lsc3
pe
pe!or
pe!pu
pe!ta
pe!ta>2
pe!ta>2lsa2
pe!talsa2
pe!talsc1lst2
pe!un
pe!unlsc2
pe>
pe>1
pe>1lsa6
peG
peG1
peGlsa6
peGlsf1
pelsa2
pelsc2
pelsl2
pelsm2
pelsn2
pelsn3
pelsst1lsm4
pelsst2
pelst2
pesu2
pesu2lst3
pesu2sun1
pesun3
pesun3lss1lsa3
pf
pf1
pf2
pf>
pf>1
pf>2
pfM
pfMlsmd3
pfS
pfppn1ppq1sun1lsa5
pfsun1
pfsun1lsn5
pf~
pf~1
pi
po
po>
po>1
po>pp2
po>ppn1
poG
poM
poMsun1
polsf2lst3
polst2
popp2
popp2su1sux1
poppn1
posu1sun1
posun1lsa5
posux1
posux1lsa5
pp1
pp2
pp2ppn1
pp3
pp4
ppn1
ppn1pp1
ppn1pp1ppz1
ppn1ppq1
ppn1ppz1

ppn1ppz1ppq1
ppn2
ppn2ppz1
ppn2ppz1ppq1
ppn3
ppn3ppz1
ppn4
ppq1
ppz1
ppz1ppq1
pq
pq1
pr
pt1
pt1ppn1
pt2
pt3
pu
pu1
pulsnt3
pupp1su1sun1
pupp1su2
pupp2su1sun1
pupp2su2
puppn1su1sun2
puppz1su1sun2
puppz1su2
pusu1sun1
pusu1sun1lsf1
pusu1sun1lst7
pusu1sun2
pusu1sun2lsa5
pusu2sun1
pusu3
pusu4

ql
ql!cl
ql!cl!or
ql!cl!orppn1ppz1
ql!cl!to
ql!cl!to!or
ql!cl!to!orsun1
ql!cl!tolst6
ql!cl!toppn1
ql!cl!tosu3
ql!cl!tosu3lst6
ql!cl!tr>
ql!cl!tr>ppz1
ql!clppn1
ql!po
ql!po>
ql!po>ppn1

ql!polsa1lsa3lsa9
ql!polsm1
ql!poppn1
ql!poppn1lst2
ql!poppn1sun1
ql!poppn1sux1
ql!poppz1
ql!poppz1lsa3
ql!poppz1su1sun1
ql!posu1sun1
ql!posun1
ql!posux1
ql>
ql>ppn1
ql>ppn1lsc3
qllsst2
qlppn1
qlppn1ppz1
qlppn1ppz1lst2
qlppn1ppz1su1sun1
qlppn1ppz1sun1
qlppn1ppz1sun1lsa5
qlppn1su1sun1
qlppn1su1sun2
qlppn1su2
qlppn1su2lsnl1
qlppn1sun1
qlppn1sun1lsc5
qlppn1sun1su2
qlppn2sun1
qlppn2sun1lsa5
qlppn2sun2
qlppn2sun2lsa5lsa5
qlppz1su1sun1
qlppz1su2
qlsu1sun1
qlsu2
qlsun1
qlsun1lsa5
qlsun1su2
qlsun2
qlsun2lsa5
qlsux1

sa
sa1
sa1lsc4
sa1lsc6
sa1sun1lsa5
sa>

salsc4
salsc6
sc
sc1
sc1lsc4
sclst2
sf
sfG
su1
su1sun1
su1sun1su1
su1sun1su2
su1sun2
su1sux1
su2
su2sun1
su3
su4
sun1
sun1su1
sun1su1sun1
sun1su2
sun2
sun2su1
sun2su2
sun3
sun4
sux1
ta
ta>
ta>1
ta>2
ta>2lsc2
ta>lsnl2
ta>pp2
ta>ppn1
tasu2
tg
tg!cl
tg!cl>1
tg!cllsn9
tg!or
tglsn8
tglst9
tgsun1lsa5
to
to!cl
to!cl!cl
to!cl!cllst9
to!cl!clsu1
to!cl!clsun2
to!cl!clsun2lsa5
to!cl!orsun1

to!cl!pi
to!cl>1
to!clM
to!clsu1sun1
to!clsu1sun1lsm6
to!clsu2
to!clsu2lsn6
to!clsun1
to!clsun1lsa5
to!or
to!orlsc6
to!orlst3
to!orsun1lsa5
to!pi!cl
to!pi!cl!pi!orsun1lsa5
to!pi!cl!pi!pi
to!po
to!pohd
to!to
to!to!pi!cl
to!to!pi!clpp2
to!toppn1sun1
to!tosun1
to>
to>2
to>2lsa3
to>2lsc1lsa3
to>lsa5
to>pp2
toG
toGlsa1lst8
toGlsa5
toS
toS!pe
toS!to
toS!tolst9
toS1
toSlsa5
toSsun1lsa5
tolsf4
tolsn8
tolsnt2lst9
tolst9
tolsth8
topp1su1
topp1su1lsa6
topp2
topp2sun1
toppn3ppz1sun1
tosu1
tosu1lsc5
tosu1sun1
tosu1sun1lsc6lst7
tosu1sun1lsn6
tosu2
tosu2lst6

tosun1
tosun1lsa5
tosun1su1sun1
tosun1su2lsn3lst6
tosun2
tosun2lsa6
to~
tr
tr>
trS
trSlsc1
trlss1lss3
trlst3lshp7
trsu2
trsu2lst3lsm8
trsun1su2
trsun1su2lsa3
trsun2
trsun2lsa5
trsux1
trsux1lsa5
trsux1lst8
ts
ts1
ts>
ts>1
ts>lsc2
ts>lsc6
tslsa2
tslsc2lst2
tssun1lsa5
tv
tvlsm2
un
un!clG
un1
un1lst8
un1ppn1ppq1sun2
un1ppn1sun1su2lsa5
un1ppn1sun2
un1sun1su1sun1lsa1lsc4
un1sun1su1sun1lsa3lsc6
un1sun1su2
un1sun1su2lsa5
un1sun2
un1sun2su2
un2
un2lsm1
unlsm1
unlsm2lss3lst8
unlst1
unlst2
unlst8
unppn1ppz1sun1
unppn1ppz1sun1lsa5
unppn1sun1su2
unppn1sun2
unppn1sun2lsa5
unppn1sux1
unppn1sux1lsa5
unppn3sun1lsa5
unsun1su1
unsun1su1lst2lsc6
unsun1su2
unsun2
unsun2lsa5
unsun2su1
unsun2su2
unsun3
unsun3lsa3
unsun3lsa6
unsux1
vi
vi>
vi>1
vi>1lsa2lsc8
vi>1pp2
vi>1ppn1ppz1ppq1
vi>1ppz1ppq1
vi>2
vi>lsa6
vi>lsc6
viS
vilss1
vilss2
vilsst1
vilst1
vilst2
vilst2lsa8
vilst9
vipp2ppn1
vipp2su2
vipp2sun1lsa5
vipp3
vipp3lsn3
vipp4
vipp4lst2
vippn1pp1
vippn1pp1ppz1
vippn1pp1ppz1lst8
vippn1pp1su1sun2
vippn1ppq1
vippn1ppz1ppq1
vippn1su1
vippn1su1sun1
vippn1su1sun1lst2
vippn1su2
vippn1sux1
vippn2
vippn2lsa4
vippn2lsc4
vippn2lst3lsa4
vippn2ppz1ppq1
vippn2ppz1ppq1lst2lsa8
vippn2ppz1sun1lsa5
vippn2sun1
vippn2sun1lsa4
vippn3
vippn3su4
vippn3sun1lsa5
vippn4
vippq1
vippz1ppq1
visu1sun1
visu1sun1su1
visu1sun1su1lst6
visu1sun1su2
visu1sun1su2lss1lst6
visu1sun2
visu1sun2lsa5
visu1sun2lsa6
visu2
visun1su1sun1
visun1su1sun1lst6
vs
vsG

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
C46O 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 Iubilate 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
C78O Oculi omnium GT343
C79L Leatatus 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, benedicent 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
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
H73O 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
H219T Tradiderunt me NR408
H219I Iesum tradidit impius NR409
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]
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 Iubilate 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 Andream GT625
G116C Cantabo Domino GT283
G126D Alleluia. Domine Deus meus GT282
G128A Alleluia. Attendite populе
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 Gloriatis 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	C78O	tu	
	vilsc3	C82R	testamentum	
	vilst1	E29E	rex	2.166x
	vi-	C80Q	montes	
	vi>	C27E	eius	
	vi-lst3	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	C78O	sperant	
	cllsc3	C26A	nobis	
	cllst2	C25U	exspectant	
	cl-lst2	C52P	pretioso.	
	cl-	C78O	omnium	
	clS-	C81E	opem	
	clS	C78O	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	C78O	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-	A167O	meum	
	posu2	C46O	gloria	
	po-1su2	H269R	alleluia	
	torculus			
	to	C78O	Domine	
	tolsc3	C39B	nomine	
	tolsc4lst3	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	
Cf.	pe>			
	toS3lst2	C59D	tuae	
	pq!cl-	C87E	sanasti	
	to>1	E130I	obdormiam	2.166x
	to>2	H219T	fortes:	1.63x
	to->	E158D	respexit	2.166x
	toS2sux1	C46O	Surge	
	climacus			
	ci	C26A	tuum	
	ci1	G73P	gentes	
	cilsc3	C74B	tuo	
	ci-	C81E	nos	
	ciS	C81E	Domine	
	ciS1	C139A	Deus	
	visut1su2	C53A	Adorabo	
	ciG	C64Q	lapidem	
	ciG1	C42A	ille	
	ciM	C154A	Alleluia	
	ci>	C46O	orta	
	cl>	C79L	domum	
	visuv1su2	C35Q	nos	
	visut3	C38T	meo	
	visu1suu1	C26D	laetitia.	
	visut4	C25U	me.	
	cl-1su2	C40A	magna	
	visu1sut2	C43L	Domine	
	visu1suv1	C53S	terrae.	
	visuu1su2	C56D	eius	
	visuu2su2	H103S	salus	
	vi-suu2su2	H103S	o	
	visu2suw1	G113A	Alleluia	0.85x
	visut2su2	G128A	Alleluia	0.85x
	visut3suw1	C153S	dicent.	
	visu1sut1sux1	G126D	salvum	0.85x
	visu1sut1su2	N39H	puer	
	visu1sut1su1sut1	N39H	generavit	
	vi-su1sut1su2	N39H	enim	
	visut1sux1	N59N	filium	
	clSsu1sut1	N65G	tui	
	vi-su4	N68G	Amen.	
	vi-su1sut2su1	N73K	Christe	
	visu1sut1suy1	N221N	Alleluia.	
	visut3suy1	N293A	dicent.	
	visut2suy1	N363C	sacro	1.25x
	visu5	N368L	fornacibus	1.25x
	visu1suu1su2	N372O	erogatione	1.25x
	vi-su1suu2	A174A	meus	
	vi-su1suu1su1	A174A	Alleluia.	
	vi-sut2	H74I	illuminare	
	clS-su2	C46A	eius	
	vi-suu1su2	H75I	sanctus	
	clSsut2	E51R	suscipiant	2.0x
	vi-sut3	H269D	dicentes	
	vi-su1sut1 *Cf.*	vi-su1sut1su2 minus subpunctis		
	vi-su2sut1	N296V	alleluia	
	vi-su1sux1	E373B	Sanctum	2.133x
	vi-su2sux1	C49I	eum	
	vi-sut4	H16A	servient	1.7x
	vi-suu2	H23E	ecce	1.7x
	vi-suu3	H35G	veniet	1.7x
	visu2sux1	H48B	mater	1.7x
	vi-sut1su2	H22S	elegi	1.71x
	vi-su1suu1	H114C	gloriam	1.71x
	vi-su1suu1su2	H114N	nobis	1.71x
	vi-su1sut2	H324P	aetatis	2.0x
	vi-su3	H307F	natalem	2.0x

	vi-sut1suu1	325I	peregrinatione	2.0x
	scandicus			
	sc	G11P	imperium	0.85x
	sc1 *Cf.*	vipp4 minus first punctum		
	sc-	C123C	terram	
	scS	C154A	Alleluia	
	scG	H179I	Iudas	
	scG1	C52P	Posuisti	
	scM1	C67D	Domine	
	sc>	C26A	Alleluia	
Cf.	pe>2			
	vi-pp2	C26A	Domine	
	vi-ppt3	C27E	veniet.	
	scM2	C44E	Ecce	
	vi>ppt3	E2R	non	2.166x
	cl>ppt2	H73O	annuntiantes	
	vi-!vi!vi	E155B	Benedicite	2.166x
	vippt3	G140O	ae	0.85x
	vi-pp4	C154A	rectos	
	vi-!vi-!vi	H118G	erubescat	
	vipp4	A127E	eum	
	vi>ppt2	H75V	apertis	
	porrectus flexus			
	pf	C27E	sacrificia	
	pflsc2	C58D	intendentes	
	pf1lsc2	C61I	Ipse	
	pflst2	C122I	fines	
	pf-	C81E	antiquis.	
	pfS	G116C	tribuit	0.85x
	sfM	E248V	alleluia,	2.166x
	pfM	E39E	manere	2.166x
	pf>	C95D	manducare	
Cf.	po>			
	pfMsut1	E34I	eum	2.166x
	pes subbipunctis			
	pesu2	C81E	antiquis.	
	vippt1su2lsc3	C61T	solus:	
	pe-su2	H73S	adoraverunt	
	pe-1su2	C64Q	habitat	
	pe-1sut2	H104T	confitemur	
	pe-1sut1suw1	H219I	videret	1.63x
	peSsu2	A17T	eius	
	peSsut2	C27E	sanctos	
	vippt1su2	C56B	benedicetur.	
	toS2sut1	C139A	Alleluia	
	vi-!ci	E272M	cognovisti	2.166x
	pesu1suw1	G8E	plebem	
	pe-su1sut1	N296V	alleluia	
	pe-su2suy1	N296V	alleluia	
	pe-1sut3	H179A	malum	
Cf.	to>			
	pesu1suu1	C27E	Deus	
	pesu3	C27Q	regis	
	vippt1su1sut1	C40V	omnes	
	vippu1su2	C74B	Altissime.	
	pesu1sut3	C60S	venti.	
	pesu2suv1	C60C	Sana	
	vippu1su2lsc3	C32B	caeli	
	pe-1su1suu1	C61I	pascuae	
	peSsu1sux1	G89D	filii	0.85x
	pe-su3sut1	N270A	saecula.	
	pe-1sut1sux1	H72V	orta	
	peSsut3	C46O	Jerusalem	
	pesut2	H77S	magi	
	pe-1suw2	E255S	Domini	2.133x
	peSsut1su2	E13P	Domine	2.133x
	pesu1sux1	H25E	angelum	1.7x
	pe-1su1suw1	H29E	deprecabuntur	1.7x
	pesu1sut1 *Cf.*	pesu1sut3 minus 2 tractulis		
	pe-1su1sut1	H306N	de	2.0x
	pe-1su1sut2	H305G	Mariae	2.0x
	pe-1su1suu2	H305G	vidente	2.0x
	pe-su4	C139A	Alleluia	

	pesuv1su1sut1	C139A	Alleluia	
	scandicus flexus			
	sf	C64Q	habitat	
	sflsc3	C27E	Deus	
	sf-	C39B	est	
	sfS	C97D	Deus	
	toppu1	C103C	Cantemus	
Cf.	sfM			
Cf.	sc>			
	to>pp2	E324R	testamentum	2.0x
	torculus resupinus			
	tr	C25U	edoce	
	trlst2	E69P	eius	2.0x
	tr-1	C38T	meo	
	trS	C58A	Domine	
	trG	E336I	fecisti	2.166x
	trG1	G25P	ei	
	trG2	E147L	Laetare	2.166x
	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
	stropha			
	st	C80Q	commovebitur	
	st-	C52P	Desiderium	
	stS	E263V	est.	2.166x
	st>	C49I	servum	
	distropha			
	ds	C46O	super	
	dslsx6	C45S	forma	
	ds-	C81E	Domine	
	ds>	C38A	Alleluia	
	tristropha			
	ts	C80Q	Dominus	
	tslsx6	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,	
	prlsc2	E339S	Si	2.166x
	pr-lsc3	C122I	Dei	
	prlst2	C145L	tuo	
	pilsc2	C122I	Dei	
	pilst2	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	
	vslsc3	C39B	nomine	
	vslst2	E195D	suis,	2.166x
	vs-	C82B	Domini	
	vs>	C64Q	pennis	
Cf.	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
	sa>	C27E	sanctos	
	sa->1	H77A	magi	
Cf.	pe>2			
	sa!clS1	C80Q	sicut	
	sa!clS-1	C27Q	tuam	
	sa!clS1lsc2	C46B	Deus	
	sa-lsfr1	C134B	nomen	
	sa1!cl>	G45D	respexit	0.85x
	sa!cl>	G22D	euge	0.85x
	sa!cl	G141O	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
	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	G140O	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-suu2su2
	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
	suu3 *Cf.*	vi-suu3
	su1 *Cf.*	ci
	sut1 *Cf.*	ciS1
	su1suv1su2 *Cf.*	ql-ppt2su1suv1su2
	sut1suu1 *Cf.*	vi-sut1suu1
	suv1su1sut1 *Cf.*	pesuv1su1sut1

	prepunctis		
	pp2 *Cf.*	vi-pp2	
	ppu2 *Cf.*	scS	
	ppt2 *Cf.*	sfS	
	ppu3	C47I	Sede
	ppu4	C58A	Domine
	ppu5	C50G	confregit
	pp4	C78O	escam
	pp3 *Cf.*	pp4	
	ppt3 *Cf.*	vi>ppt3	
	ppt4	N69G	amin.
	ppt5	A56C	videant
	pp1 *Cf.*	vi-pp2	

	combined glyphs			
	cl!pi	C82R	Domine	
	cl!pilsc1lst3	C89T	manum	
	cl!pilsc2	C149A	cantabo	
	cl!pr	G51S	ipsa	0.85x
	cl-!pi	E35E	illis	2.166x
	ql!cl	C148A	Domine	
	ql!cl!cl> *Cf.*	ql!cl!cl>ppt1 minus tractulus		
	ql!cl!pi *Cf.*	ql!cl!pippt1 minus tractulus		
	ql!pf-	G42D	mane	0.85x
	ql!pf	G35D	Domine	
	ql!cl-	C26A	Alleluia	
	ql!clM *Cf.*	ql!clMppt1 minus tractulus		
	ql!cl-> *Cf.*	ql!cl->ppt1 minus tractulus		
	ql!cl>	H26L	salva	0.5x
	ql!po	C148V	nostro	
	ql!po-1	C148A	Alleluia.	
	ql!po>	H33I	terram	
	ql!vs	C148A	refugium	
	ql!vssu2 *Cf.*	ql!vsppt1su2 minus tractulus		
	ql!vssut2 *Cf.*	ql!vsppt1sut2 minus tractulus		
	qi!vs *Cf.*	qi!vssu2 minus subbipunctis		
	qi!vssu2 *Cf.*	qi!vsppt1su2 minus tractulus		
	ql-su1suu1 *Cf.*	ql-ppt1su1suu1 minus tractulus		
	ql-su1suv1su2 *Cf.*	ql-ppt2su1suv1su2 minus tractulis		

qisut2 *Cf.*
qippt2sut2 minus tractulis

ql-su3 *Cf.*
ql-ppt1su3 minus tractulus

qlsut3 *Cf.*
qlppt1sut3 minus tractulus

ql-su2 *Cf.*
ql-ppt1su2 minus tractulus

ql-sut2 H73S cedebat

ql-su1sux1 *Cf.*
ql-ppt1su1sux1 minus tractulus

ql-su1sut2 *Cf.*
ql-ppt1su1sut2 minus tractulus

ql-sut1sux1 H72H complacui

ql-suu2 *Cf.*
ql-ppt1suu2 minus tractulus

ql-sut2suu1 *Cf.*
ql-ppt1sut2suu1 minus tractulus

qi-su2 H73S cedebat

qi-su1sut2 *Cf.*
qi-ppt1su1sut2 minus tractulus

qi-su1sux1 H26G certamine 1.7x

ql-su1suu2 H34F facinora 1.71x

qi!cl C82B spiritu

qi!cl- C148A factus

qi!cl> H77S Magi

qi!po H87E Deus

qi!po> H173C adversum 1.9x

pf!clM-ppt1 E327O narante 2.166x

cl!po>ppt1 E327O narante 2.166x

qlppt1 C38T Sede

qippt1 C37A Domine

qi!clppt1 C88T hostias,

ql-ppt1 C26D laetitiae.

ql>ppt1 C38T virtutis

qi>ppt1 C60S terram.

qisut1sux1 H269S linguarum

qlsut2 H269D alleluia

qi-sut2 H269D alleluia

qi-ppt1su1sut2 H269R magnalia

ql!cl>ppt1 H73O aurum

ql!clppt1 C39B Domini:

ql!cl!cl>ppt1 E133I corda 2.166x

ql!cl!pippt1 E31T maris 2.166x

ql!cl-ppt1 C40A terram.

ql!clMppt1 E324R tuum 2.166x

ql!cl->ppt1 G132A Alleluia. 0.85x

ql!clS-2ppt1sut1 E3D et. 2.0x

ql!clS-2sut1 *Cf.*
ql!clS-2ppt1sut1 minus tractulus

ql!clS-2ppt1 *Cf.*
ql!clS-2ppt1sut1 minus tractulus

ql!clS-2 *Cf.*
ql!clS-2ppt1sut1 minus 2 tractulis

ql!poppt1 C59D Domine.

ql!po-1ppt1 C58A homo.

ql!po~ppt1 H179L pauperem

ql!po~ *Cf.*
ql!po~ minus tractulus

ql-ppt1su2 H72V Jerusalem

ql-ppt1su1sux1 H73O Reges

ql-ppt1su1sut2 H75I patris

ql-ppt1suu2 H72H Hic

ql-ppt1sut2suu1 H16M altissimi 1.7x

ql!vsppt1su2 H73O Domino

ql!vsppt1 *Cf.*
ql!vsppt1su2 minus subbipunctis

ql!vsppt1sut2 H73S gaudio

qi!vsppt1su2 H74I Domini

qi-sut3 H322B in 2.0x

ql-ppt1su1suu1 H305H David 2.0x

ql-ppt1su3 H323D subire 2.0x

qlppt1sut3 H305G Redemptorem 2.0x

ql-ppt2su1suv1su2 H306N illustrat 2.0x

ql-su1sut1 H307F iustitiae 2.0x

qippt2sut2 H297B generationes 2.0x

ql!vssu3 H443V ei 2.0x

to!ciG E51R eum 2.0x

to!ciG C28T gloriae.

to!cl C84T pupillo

to!cl!cl!cl C64Q sepavit,

to!cl!po E31T veritas 2.166x

to!cl!po-1 N100T veritas

to!cl!pi C45S mea

to!cl- N86D propterea

to!cl-!cl- C54A Adducentur

to!cl-1 C45S filiis

to!clS C43A terram.

to!cl!cl C43A Domini,

to!po C64Q sagitta

to!posu2 C49I eo,

to!pr G11V Deo 0.85x

to!pi C60C tui.

toSsu2 H72H mihi

pf!cl- G51I meus

pf!clM- *Cf.*
pf!clM-ppt1 minus tractulus

pf!pr G9A Alleluia

cl!po> *Cf.*
cl!po>ppt1 minus tractulus

cl!cl>1 N67G mundi

cl!clSsut2 E256C psallite 2.166x

cl!clS *Cf.*
cl!clSsut2 minus 2 tractulis

cl!po C26A nobis.

cl!po-1 H119C in

tr-1su2 H73O dona

trSsut2 H305H devotissime 2.0x

ci-pp2 H73S magno

toS2su2 H73S eam

toS2sut2 C150L dicta

to-1su2 H322C ostendere 2.0x

to-1su1 H323B Gallus 2.0x

to-1suu1 H173I me 1.8x

to-1suu1su2 H324V cognovi 2.0x

po-1pp2su1sux1 H323D desiderium 2.0x

po-1su1sux1 *Cf.*
po-1pp2su1sux1 minus bipunctis

pisu1 H307N annuntiavit 2.0x

pisut1 C153B Alleluia

pq-su2 C132D praetioso

pe!vi C57B qui

tgsuu1 C49I eum.

tgSsuu1 C57B nimis.

sa-su2sut1 C49I eum

significative letters

lsam C87E abstraxisti altius

lsal E20E Sion, altius mediocriter 2.166x

lsb C39B Domino bene

lsc C27E eius celeriter

lscw C148V nostro. celeriter (wide form)

lsco C134B nomen coniunguntur

lscm C58A oblivio celeriter mediocriter

lsd E11C Virgo deprimatur 1.85x

lse C84T adiutor equaliter

lsew H266D si equaliter (wide form)

lseq C64Q viis equaliter

lsfid E16B Domino fideliter 2.166x

lsfr C58A non frendor

lsg C27Q ovem gutture

lsi C87E Domine iusum

lsim E336I universa iusum mediocriter 2.166x

lsiv E92I misericors iusum valde 2.166x

lsk C62M confidit klenge

lsl C38T Tecum levare

lslb C58A non levare bene

lslc E151A ab levare celeriter 2.166x

lslen C59D servitui. leniter

lslm C38T Tecum levare mediocriter

lslp E161S dicit levare parvum 2.166x

lslt E148L Laudate levare tenete 2.0x

lsm C38T principium mediocriter

lsmoll E33V fines molliter 2.166x

lsp C64Q altissimi parvum

lspar E104S miserere paratim 2.166x

lspfec E2D fructum perfecte 2.166x

lspm C40V suam. parvum mediocriter

lspulcre E64L hac pulcre 2.0x

lss C27E sanctos sursum

lssb C40V iustitiam sursum bene

lssc C84T Tibi sursum celeriter

lssimil E193D ne similiter 2.166x

lssimul E42A sumus. simul 2.166x

lssm C59D Si sursum mediocriter

lsst C87E Domine sursum tenere

lssta C27E Congregate statim

	`lst`	`C39B`	Domino	tenete	
	`lstw`	`C58A`	non	tenete (wide form)	
	`lstb`	`C39B`	Domino	tenete bene	
	`lstm`	`E3D`	tu	tenete mediocriter	2.166x
	`lsv`	`E131O`	semper	valde	2.0x
	`lsvol`	`C58A`	aeternum	volubiliter	
	`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 scietis GT38
L19B Benedictus qui venit GT45
L20P Puer natus est GT47
L24D Dextera Domini GT194
L24T Timebunt gentes GT265
L25L Laetabitur iustus GT473
L25M Mirabantus 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 Iacta 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 condemnavit GT124
L68Q Qui confidunt GT109
L71D Dum santificatus 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 revereantur GT152
L93G Ego autem dum mihi GT152
L94C Custodi me Domine GT154
L95D Domine, exaudi orationem GT172
L99P Populе meus quid GT176
L101V Vinea 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 Iubilate 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.*	un2lsm1	minus letter
un2lsm1	L82O	fecisti
unlsm1	L75V	qui
unlst1	L103R	alleluia
unlst2	L82O	fac
unlst8	L24D	opera
un1lst8	L112O	Christo
unlsm2lss3lst8	L43S	scuto

punctum

pu	L82O	iudicio
pu1	L56D	revereantur
pulsnt3	L75V	flentes

virga

vi	L82O	Domine
viS *Cf.*	vipp2su2	minus punctis
vi>	L78H	in
vi>1 *Cf.*	vi>1lsa2lsc8	minus letters
vi>2	L82O	nobiscum
vilst1	L78H	meam
vilst2	L95D	meus
vilst9	L105A	quaeritis,
vilss1	L103P	Alleluia.
vilss2	L95D	avertas
vilsst1	L103P	Alleluia.
vilst2lsa8	L95D	eius.
vi>lsa6	L78H	testamenti
vi>lsc6	L56D	adiuvandum
vi>1lsa2lsc8	L126F	loquentes

tractulus

ta	L24T	tuam.
ta>	L78H	dicit
ta>1	L82O	mandatis
ta>2	L90D	sancto
ta>lsnl2	L45R	dominentur
ta>2lsc2	L90D	Libera

pes

pe	L78H	commemorationem
peG	L78H	vobis
pe>	L95D	exaudi
pe>1	L78H	sanguine
peG1	L67S	tua,
pelsa2	L82O	peccavimus
pelsc2	L67S	tuus,
pelsl2	L43L	iustitiam
pelsm2	L81E	meam,
pelsn2	L149C	qui
pelsn3	L125S	replevit
pelsst1	L103P	immolatum
pelsst1lsm4	L44I	Elevatio
pelst2	L103H	saeculum
peGlsf1	L67S	non
peGlsa6	L109P	vocavit
pe>1lsa6	L114V	alleluia

porrectus

po	L78H	facite
poG	L64D	mecum
poM *Cf.*	poMsun1	minus uncinus
po> *Cf.*	po>pp2	minus prepunctis
po>1	L81E	descendentibus
polsf2lst3	L95D	meus
polst2	L103H	saeculum

clivis

cl *Cf.*	cllsn9	minus letter
clG	L78H	hoc
clG1	L105N	accedens
clGlsa5	L82O	obedivimus
clGlsnl2	L44I	Elevatio
clM	L78H	quotiescumque
cl>	L75V	monumentum
cl>1	L34E	locum
cllshn8	L64O	imples
cllsn8	L95D	velociter
cllsn9	L67S	tua,
cllsst8	L64O	imples
cllst9	L95D	tempus
cllsst6	L43L	mirabilia
cllsm2	L45R	nobis
cllsnt2	L92E	me
cl>lsa5	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,
tolsnt2lst9	L92E	me
toGlsa1lst8	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	L82O	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.*	visu1sun1su1lst6	minus letter
visu1sun1su1lst6	L105N	descendit
visu1sun1su2 *Cf.*	visu1sun1su2lss1lst6	minus letters
visu1sun1su2lss1lst6	L168I	Alleluia.
visu2	L95D	misereberis
visun1su1sun1	L60E	conspectu
visun1su1sun1lst6	L35T	virtutem
cilsf1	L95D	Sion
cilsn8	L58A	iniquis,
pusu1sun1lsf1	L95D	mei
pusu1sun2lsa5	L67S	timebo
pusu1sun1lst7	L60E	homo
pusu3	L64O	escam
pusu4	L92E	persequntur.
unsun2su1	L64O	escam
unsun1su1 *Cf.*	unsun1su1lst2lsc6	minus letters

unsun1su1lst2lsc6	L11Q	deducis
unsun2lsa5	L19B	mirabile
unsun3lsa3	L24T	gentes
unsun3lsa6	L24T	tuam.
unsun2su2	L169A	confitebor
un1sun2su2	L136A	aeternam
un1sun1su1sun1lsa1lsc4	L60E	retrorsum
un1sun1su1sun1lsa3lsc6	L60E	retrorsum
un1sun1su2 *Cf.*	un1sun1su2lsa5 minus letter	
un1sun1su2lsa5	L107H	Domini

scandicus

sc *Cf.*	sclst2 minus letter	
sc1	L82O	quia
sclst2	L78H	quotiescumque
sc1lsc4	L109P	vocavit

porrectus flexus

pf	L78H	corpus
pf1	L95D	exaudi
pf2	L101V	Sorec,
pfS	L56D	festina
pfM *Cf.*	pfMlsmd3 minus letter	
pfMlsmd3	L81E	meam,
pf>	L164D	ad
pf>1	L90D	miserunt
pf>2	L104I	alleluia,
pf	L95D	clamor
pf 1	L31D	ad

pes subbipunctis

tosu1	L82O	Domine
tosun1	L95D	fumus
tosun2	L105N	revolvit
vippn1su2	L82O	misericordiae
topp1su1 *Cf.*	topp1su1lsa6 minus letter	
topp1su1lsa6	L95D	ad
pesu2 *Cf.*	pesu2lst3 minus letter	
pesu2lst3	L152I	eruas
pesun3 *Cf.*	pesun3lss1lsa3 minus letters	
pesun3lss1lsa3	L67S	medio
pesu2sun1	L24T	terrae
tosun1lsa5	L67S	tua,
tosu1lsc5	L19B	venit
toSsun1lsa5	L138S	luna
tosun1su1sun1	L33S	venti.
tosun1su2lsn3lst6	L112D	nomine
tosun2lsa6	L123A	alleluia.

scandicus flexus

sf	L78H	meo
sfG	L33C	eam.

torculus resupinus

tr	L78H	sumitis
trS	L95D	Domine,
tr>	L64D	diligerent
poppn1	L82O	vero
po>ppn1	L82O	secundum
po>pp2	L28G	angeli,
trlst3lshp7	L109P	alleluia.
trlss1lss3	L103P	Christus.
trSlsc1	L103P	nostrum

distropha

ds *Cf.*	dslst2 minus letter	
dslst2	L95D	meam
dslst8	L71D	effundam
ds1 *Cf.*	ds1pp3 minus prepunctis	

tristropha

ts	L82O	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
tglst9	L103R	alleluia

bivirga

bv	L82O	Domine
bvlsa2	L82O	nobis

trivirga

tv	L103H	bonus
tvlsm2	L44I	Elevatio

pressus

pr	L95D	veniat
pi *Cf.*	cl1!pi minus clivis	

virga strata

vs	L64D	Deus
vsG	L64D	suavis

oriscus

or *Cf.*	ocG minus uncinus	
orlst3	L103P	Alleluia.
or1 *Cf.*	ocG1 minus uncinus	
or> *Cf.*	or>lsa1 minus letter	
or>lsa1	L103R	alleluia,

salicus

sa	L82O	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

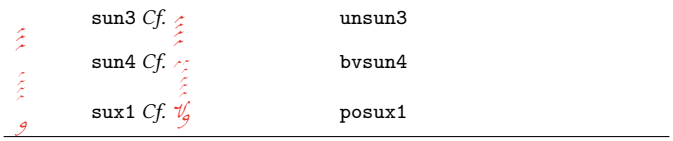
ql *Cf.*	qllsst2 minus letter	
qllsst2	L53C	Domine,
ql> *Cf.*	ql>ppn1 minus uncinus	

pes stratus

pt1	L13A	ventris
pt2	L8U	confundentur,
pt3	L94C	Domine.

subpunctis

su1 *Cf.*	cl1!pi!tosu1
su1sun1 *Cf.*	cl!toppz1su1sun1
su1sun1su1 *Cf.*	visu1sun1su1lst6
su1sun1su2 *Cf.*	visu1sun1su2lss1lst6
su1sun2 *Cf.*	pusu1sun2
su1sux1 *Cf.*	popp2su1sux1
su2 *Cf.*	cl1!pi!pesu2
su2sun1 *Cf.*	clsu2sun1lst6
su3 *Cf.*	pusu3
su4 *Cf.*	pusu4
sun1 *Cf.*	cl1!pi!orsun1
sun1su1 *Cf.*	unsun1su1lst2lsc6
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.* cl1!pipp2

pp2ppn1 *Cf.* vipp2ppn1

pp3 *Cf.* vipp3lsn3

pp4 *Cf.* vipp4lst2

ppn1 *Cf.* po>ppn1

ppn1pp1 *Cf.* vippn1pp1

ppn1pp1ppz1 *Cf.* vippn1pp1ppz1lst8

ppn1ppq1 *Cf.* vippn1ppq1

ppn1ppz1 *Cf.* ql!cl!orppn1ppz1

ppn1ppz1ppq1 *Cf.* vi>1ppn1ppz1ppq1

ppn2 *Cf.* vippn2lst3lsa4

ppn2ppz1 *Cf.* vippn2ppz1sun1lsa5

ppn2ppz1ppq1 *Cf.* vippn2ppz1ppq1lst2lsa8

ppn3 *Cf.* unppn3sun1lsa5

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 L82O iudicio

pe!talsc1lst2 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 L82O tibi

qlppn1su1sun2 L95D frixorio

qlppn1su2 *Cf.* qlppn1su2lsnl1 minus letters

qlppn1su2lsnl1 L75V mortuus.

qlppn1sun1lsc5 L54B quoniam

qlppn1su1sun1 L107H fecit

qlsu1sun1 L43L tua

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 L82O 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!poppn1lst2 L103P Alleluia.

ql!posux1 *Cf.* ql!poppn1sux1 minus uncinus

ql!poppn1sux1 L61I corda,

ql!polsm1 L103P immolatus

ql!polsa1lsa3lsa9 L56P nostris

ql!po> *Cf.* ql!po>ppn1 minus uncinus

ql!po>ppn1 L60A ancillae

ql!cl L43L doceas

ql!cl!to *Cf.* ql!cl!tolst6 minus letter

ql!cl!tolst6 L95D me.

ql!cl!to!or *Cf.* ql!cl!to!orsun1 minus uncinus

ql!cl!to!orsun1 L19B nobis.

ql!cl!toppn1 L72B vitam,

ql!cl!tosu3 *Cf.* ql!cl!tosu3lst6 minus letter

ql!cl!tosu3lst6 L82T hostias,

ql!cl!or *Cf.* ql!cl!orppn1ppz1 minus uncinus & virga

ql!cl!orppn1ppz1 L109P Populus

ql!cl!tr> *Cf.* ql!cl!tr>ppz1 minus virga

ql!cl!tr>ppz1 L54B vias

ql!clppn1 L54B a

qlppn1 L82O nomini

qlppn1ppz1 L82O gloriam

qlppn1ppz1lst2 L82O da

qlppn1ppz1sun1 *Cf.* qlppn1ppz1sun1lsa5 minus letter

qlppn1ppz1sun1lsa5 L54B mihi

qlppn1ppz1su1sun1 L43I dominorum

qlppn2sun1 *Cf.* qlppn2sun1lsa5 minus letter

qlppn2sun1lsa5 L53C Beati

qlppn2sun2 *Cf.* qlppn2sun2lsa5lsa5 minus letters

qlppn2sun2lsa5lsa5 L122V sic

qlppz1su2 L40Q draconem.

qlppz1su1sun1 L53C nos

ql>ppn1 L95D confrixa

ql>ppn1lsc3 L90D speraverunt

popp2 L82O multitudinem

popp2su1sux1 L8U confundentur,

posux1 L20P eius

posux1lsa5 L114V alleluia,

posun1lsa5 L123A alleluia.

poMsun1 L81E meos

posu1sun1 L123E alleluia.

vippn1su1 L56D Deus

vippn1sux1 L53C Memento

vippn1su1sun1 L45R tuae,

vippn1su1sun1lst2 L95D Domine,

vippn2sun1 *Cf.* vippn2sun1lsa4 minus letter

vippn2sun1lsa4 L44I mea

vippn2 *Cf.* vippn2lsa4 minus letter

vippn2lsc4 L56D quaerunt

vippn2lsa4 L44I Elevatio

vippn2lst3lsa4 L103P Alleluia.

vippn3 L38I Domino,

vippn4 L60E homo

vipp2ppn1 L13A gratia

cl!pe *Cf.* cl!pelsc2 minus letter

cl!pelst2 L95D sum

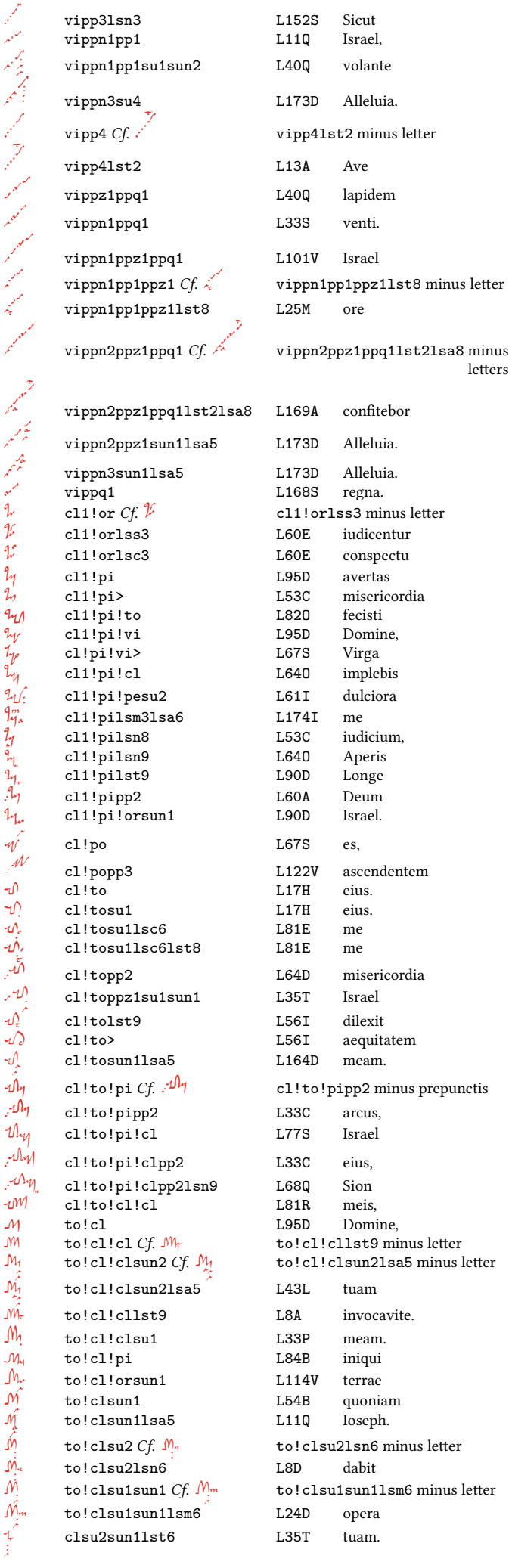
cl!pelsc2 L105A Domini

cl!pelsn7 L103H ea.

vipp2su2 L43L mihi

vipp2sun1lsa5 L168L eum

vipp3 *Cf.* vipp3lsn3 minus letter



vipp3lsn3 L152S Sicut
vippn1pp1 L11Q Israel,
vippn1pp1su1sun2 L40Q volante
vippn3su4 L173D Alleluia.
vipp4 *Cf.* vipp4lst2 minus letter
vipp4lst2 L13A Ave
vippz1ppq1 L40Q lapidem
vippn1ppq1 L33S venti.
vippn1ppz1ppq1 L101V Israel
vippn1pp1ppz1 *Cf.* vippn1pp1ppz1lst8 minus letter
vippn1pp1ppz1lst8 L25M ore
vippn2ppz1ppq1 *Cf.* vippn2ppz1ppq1lst2lsa8 minus letters
vippn2ppz1ppq1lst2lsa8 L169A confitebor
vippn2ppz1sun1lsa5 L173D Alleluia.
vippn3sun1lsa5 L173D Alleluia.
vippq1 L168S regna.
cl1!or *Cf.* cl1!orlss3 minus letter
cl1!orlss3 L60E iudicentur
cl1!orlsc3 L60E conspectu
cl1!pi L95D avertas
cl1!pi> L53C misericordia
cl1!pi!to L82O fecisti
cl1!pi!vi L95D Domine,
cl!pi!vi> L67S Virga
cl1!pi!cl L64O implebis
cl1!pi!pesu2 L61I dulciora
cl1!pilsm3lsa6 L174I me
cl1!pilsn8 L53C iudicium,
cl1!pilsn9 L64O Aperis
cl1!pilst9 L90D Longe
cl1!pipp2 L60A Deum
cl1!pi!orsun1 L90D Israel.
cl!po L67S es,
cl!popp3 L122V ascendentem
cl!to L17H eius.
cl!tosu1 L17H eius.
cl!tosu1lsc6 L81E me
cl!tosu1lsc6lst8 L81E me
cl!topp2 L64D misericordia
cl!toppz1su1sun1 L35T Israel
cl!tolst9 L56I dilexit
cl!to> L56I aequitatem
cl!tosun1lsa5 L164D meam.
cl!to!pi *Cf.* cl!to!pipp2 minus prepunctis
cl!to!pipp2 L33C arcus,
cl!to!pi!cl L77S Israel
cl!to!pi!clpp2 L33C eius,
cl!to!pi!clpp2lsn9 L68Q Sion
cl!to!cl!cl L81R meis,
to!cl L95D Domine,
to!cl!cl *Cf.* to!cl!cllst9 minus letter
to!cl!clsun2 *Cf.* to!cl!clsun2lsa5 minus letter
to!cl!clsun2lsa5 L43L tuam
to!cl!cllst9 L8A invocavite.
to!cl!clsu1 L33P meam.
to!cl!pi L84B iniqui
to!cl!orsun1 L114V terrae
to!clsun1 L54B quoniam
to!clsun1lsa5 L11Q Ioseph.
to!clsu2 *Cf.* to!clsu2lsn6 minus letter
to!clsu2lsn6 L8D dabit
to!clsu1sun1 *Cf.* to!clsu1sun1lsm6 minus letter
to!clsu1sun1lsm6 L24D opera
clsu2sun1lst6 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 L64O 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 L112O estis,
un1sun2 *Cf.* un1ppn1ppq1sun2 minus uncinus & quilisma
un1ppn1sun2 L112O 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!cllsn9 minus letter	
	cl!cl!cllsn9	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	L174O	plaudite
	cl1!pi!tosu1	L37S	mei
	cl1!pi!tosun1	L174O	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.*	trsu2lst3lsm8 minus letters	
	trsu2lst3lsm8	L136A	vobis
	trsun1su2 *Cf.*	trsun1su2lsa3 minus letter	
	trsun1su2lsa3	L149C	Domini
	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!cllsn9	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.

significative letters

	lsa *Cf.*	vi>lsa6		augete
	lsc *Cf.*	pe!unlsc2		celeriter
	lseq	L78H	hic	equaliter
	lseq-	L78H	quotiescumque	equaliter
	lsequ	L56D	confundantur	equaliter
	lsf *Cf.*	polsf2lst3		fastigium
	lsh	L44D	a	humiliter
	lshn *Cf.*	cllshn8		humiliter nectum
	lshp *Cf.*	trlst3lshp7		humiliter parum
	lsl *Cf.*	pelsl2		levare
	lsn *Cf.*	cllsn9		non (tenere), negare, nectum, naturaliter
	lsnl *Cf.*	clGlsnl2		non levare
	lsnt *Cf.*	pulsnt3		non tenere
	lsm	L67S	Virga	mediocriter
	lsmd	L82O	da	mediocriter
	lss	L95D	tempus	sursum
	lssimp	L8U	Domine,	simpliciter
	lssimpl	L81R	insurgentibus	simpliciter
	lssp	L54Ae	Domine,	sursum parum
	lsst *Cf.*	pelsst1lsm4		sursum tenere
	lst *Cf.*	clsun1lst5		tenere
	lsth *Cf.*	tolsth8		tenere humiliter

tironian notes

	lti	L78H	pro	iusum
	ltdo	L14O	misericordiam	deorsum
	ltdr	L132E	descendit	devertit
	ltdx	L122V	intuerentus	devexum
	ltps	L128S	veniat,	prode sub eam (trade subtus)
	ltqm	L118E	sum	quam mox
	ltsb	L11Q	et	sub
	ltse	L144C	corde	seorsum
	ltsj	L164D	meam	subjice
	ltsl	L117R	delectati	saltim
	ltsn	L17H	gloriam	sonare
	ltsp	L10I	Ierusalem	supra
	ltsr	L14P	et	sursum
	ltst	L25L	omnes	saltate (salte)
	ltus	L17H	eius.	ut supra