

nabc language for gregorio

AL
II

A

L-le- lú-ia. V. Ve- ni

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

i amór- is in e- is ignem ac- cénde.

The nabc language provides the ability to describe some adiastrumatic neumes, for now just the St. Gallen 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|peclhgpi)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 nabc_largerspace skip to the right
- / move by nabc_interelements_space skip to the right
- `` move by nabc_largerspace skip to the left
- ` move by nabc_interelements_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 *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 m. 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 stropa
- 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 1s, 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 1s prefix, which should be followed by the above mentioned position digit:

lsal <i>ɹ</i> altius	lsiv <i>ɹv</i> iusum valde	lssb <i>ɹb</i> sursum bene
lsam <i>ɹm</i> altius mediocriter	lsk <i>k</i> klenche	lssc <i>ɹc</i> sursum celeriter
lsb <i>t</i> bene	lsl <i>l</i> levare	lssimil <i>fimil</i> similiter
lsc <i>c</i> celeriter	lslb <i>tb</i> levare bene	lssimul <i>femul</i> simul
lscm <i>cm</i> celeriter mediocriter	lslc <i>lc</i> levare celeriter	lssm <i>cm</i> sursum mediocriter
lscō <i>ō</i> coniunguntur	lslen <i>lēm</i> leniter	lsst <i>ɹɹ</i> sursum tenere
lscw <i>ew</i> celeriter (wide form)	lslm <i>lm</i> levare mediocriter	lssta <i>st</i> statim
lsd <i>d</i> deprimatur	lslp <i>lp</i> levare parvum	lst <i>ɹ</i> tenere
lse <i>e</i> equaliter	lslt <i>lt</i> levare tenere	lstb <i>tb</i> tenere bene
lseq <i>eq</i> equaliter	lsm <i>m</i> mediocriter	lstm <i>tm</i> tenere mediocriter
lsew <i>ew</i> equaliter (wide form)	lsmoll <i>moll</i> molliter	lstw <i>tw</i> tenere (wide form)
lsfid <i>fɹd</i> fideliter	lsp <i>p</i> parvum	lsv <i>v</i> valde
lsfr <i>f</i> frendor	lspar <i>pɹɹ</i> paratim	lsvol <i>vol</i> volubiliter
lsg <i>g</i> gutture	lspfec <i>pfec</i> perfecte	lsx <i>x</i> expectare
lsi <i>i</i> iusum	lspm <i>pm</i> parvum mediocriter	
lsim <i>im</i> iusum mediocriter	lss <i>ɹ</i> sursum	

Finally a commented example of a nabc snippet:


```
``po////pe>2lse7ls13qlhh!vshhppt1sut2ql>ppu3
```


$\alpha - \alpha - \alpha = \alpha$


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

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

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

pe>21se71s13  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!vshppt1sut2 -  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.
































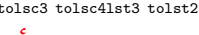







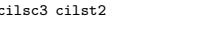

















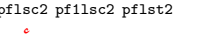







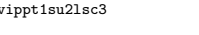

















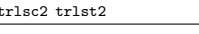




























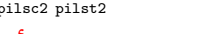
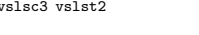






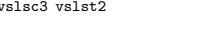






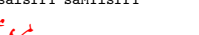













Names of Symbols	Simple Symbols	Symbols differentiated by				Symbols indicating a special meaning		
		the addition		the modification		melodic	phonetic	
		of letters	of episemas	of the mark	of the grouping (neumatic break)		liquescence	
							augment.	diminut.
virga		 vilsc3 vilst1 vippt1lsc2	 vi-				 vi>	
tractulus		 talsc3 talst2					 ta>	
punctum							 st visulsux1	
gravis								
clivis		 cllsc3 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 tolsc4lst3 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-
			 vi-hevi-hivi-hm			 vihevihivihm		
porrectus flexus		 pflsc2 pflsc2 pflst2	 pf-	 pfS	 sfM	 pfM	 pf>	 pf-
pes subbipunctis		 vippt1su2lsc3	 pe-su2 pe-1su2  pe-1sut2	 peSsu2 peSsut2	 vippt1su2  toS2sut1	 vi-!ci pesu1suw1	 pesu1sux1	 to>
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-
apostroph			 st-	 stS			 st>	
distroph		 ds-lsx6	 ds-				 ds>	
tristroph		 ts-lsx6	 ts-			 tsM	 ts>	
trigon		 tg tg1		 tgS tgS1 tgS3		 tgM		 ds>
bigirga & trivirga			 bv- tv-				 bv>	
pressus		 prlsc2 pr-lsc2 prlst2  pilsc2 pilst2	 pr-			 prM	 pr> pi>	 vs>  or>
virga strata		 vslsc3 vslst2	 vs-				 vs>	 ta>
oriscus							 or>	
salicus		 salsfr1 saM1lsfr1	 sa- sa-1		 saG	 saM saM1 saM2	 sa> sa->1	 pe>2
pes quassus		 pqlsfr1	 pq-				 pq>	
quilisma			 ql- qi-				 ql> qi>	
pes stratus								

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

Table with nabc strings and corresponding gregall and gresgmodern glyphs:

bv			clpp2			pe-1su1suu1		
bv-			clppt1			pe-1su1suw1		
bv>			clppt2			pe-1su2		
ci			cl ⁻			pe-1sut1sux1		
ci-			ds			pe-1sut2		
ci-pp2			ds-			pe-1sut3		
ci1			ds>			pe-1suw2		
ci>			ds1sx6		missing	pe->		
ciG			gr			pe->1		
ciG1			gr-			pe-su1sut1		
ciM			gr-lsc6		missing	pe-su2		
ciM-	missing		lsal			pe-su2suy1		
ciS			lsam			pe-su3sut1		
ciS1			lsb			pe>		
ciSppt1			lsc			pe>1		
cilsc3		missing	lscm			pe>2		
cippt1			lscō			pe>ppt1	missing	
cippt1lsc3		missing	lscw		missing	peG		
cippu1			lsd		missing	peS		
cippu1lsc3		missing	lse			peSsu1sux1		
ci ⁻			lseq		missing	peSsu2		
cl			lsew		missing	peSsut1su2		
cl!cl>1			lsfid		missing	peSsut2		
cl!clS			lsfr			peSsut3		
cl!clSsut2			lsg			peppt1		
cl!pi			lsi			pesu1sut1		
cl!pilsc1lst3		missing	lsim			pesu1sut3		
cl!pilsc2		missing	lsiv		missing	pesu1suu1		
cl!po			lsk			pesu1suw1		
cl!po-1			lsl			pesu1sux1		
cl!po>			ls1b			pesu2		
cl!po>ppt1			lslc			pesu2suv1		
cl!pr			lslen		missing	pesu3		
cl-			lslm			pesut2		
cl-!pi			lslp			pe ⁻		
cl-1su2			lslt			pf		
cl->			lsm			pf!cl-		
cl->1			lsmoll			pf!clM-		
cl-lst2		missing	lsp			pf!clM-ppt1		
cl-ppt1	missing		lspar		missing	pf!cl ⁻		
cl-ppt2			lspfec		missing	pf!cl ⁻ ppt1		
cl>			lspm			pf!pr		
cl>1			lss			pf-		
cl>pp2	missing		lssb			pf1lsc2		missing
cl>ppt2			lssc			pf>		
clM			lssimil			pfG		
clM-			lssimul		missing	pfM		
clMpp2	missing		lssm			pfM-	missing	
clS			lsst			pfMsut1		
clS-			lssta		missing	pfMsuu1	missing	
clS-1			lst			pfS		
clS-su2			lstb			pf1sc2		missing
clS1			lstm			pf1st2		missing
clSsu1sut1			lstw		missing	pf ⁻		
clSsu2			lsv		missing	pi		
clSsut1			lsvol		missing	pi>		
clSsut1sux1	missing		lsx			piM	missing	
clSsut2			or			pilsc2		missing
clSsux1	missing		or>			pilst2		missing
cllsc3		missing	pe			po		
cllst2		missing	pe!vi	missing		po-		
			pe-1			po-1		

po-1pp2su1sux1			qi-su1sux1			sa!cl>	
po-1su1sux1			qi-su2			sa!clS-1	
po-1su2			qi-sut2			sa!clS1	
po-2	missing		qi>			sa!clS1sc2	missing
po>			qi>ppt1			sa-	
poG			qippt1			sa-1	
poG-			qisut1sux1			sa->1	
poG-1	missing		ql			sa-lsfr1	missing
poG1	missing		ql!cl			sa1	
polsc2		missing	ql!cl!cl>			sa1!cl->	
posu2			ql!cl!cl>ppt1			sa1!cl>	
po~			ql!cl!pi			sa>	
pp1			ql!cl!pippt1			sa>1	missing
pp2			ql!cl-			sa>2	
pp3			ql!cl->			saG	
pp4			ql!cl->ppt1			saM	
pp5	missing		ql!cl-ppt1			saM-1	
ppt1			ql!cl>			saM-4	
ppt2			ql!cl>ppt1			saM1	
ppt3			ql!clM			saM2	
ppt4			ql!clMppt1			saM3	
ppt5			ql!clS	missing		saM4	
ppu1			ql!clS-2			salsfr1	missing
ppu2			ql!clS-2ppt1			sa~	
ppu3			ql!clS-2ppt1sut1			sc	
ppu4			ql!clS-2sut1			sc-	
ppu5			ql!clppt1			sc-1	missing
pq			ql!pf			sc1	
pq!cl			ql!pf-			sc>	
pq!cl-			ql!po			scG	
pq!cl>			ql!po-1			scG-1	missing
pq-			ql!po-1ppt1			scG1	
pq>			ql!po>			scM	missing
pqS			ql!poppt1			scM1	
pqS-	missing		ql!po~			scM2	
pqS>			ql!po~ppt1			scS	
pqlsfr1		missing	ql!vs			sc~	
pr			ql!vsppt1			sf	
pr-			ql!vsppt1su2			sf-	
pr-lsc3		missing	ql!vsppt1sut2			sf>	missing
pr>			ql!vssu2			sfG	missing
prM			ql!vssut2			sfG1	missing
prlsc2		missing	ql-			sfM	
prlst2		missing	ql-ppt1			sfM1	missing
pr~			ql-ppt1su1sut2			sfS	
pt			ql-ppt1su1sux1			sfslsc3	missing
pu			ql-ppt1su2			st	
qi			ql-ppt1sut2suu1			st-	
qi!cl			ql-ppt1suu2			st>	
qi!cl-			ql-su1sut2			stS	
qi!cl>			ql-su1suu2			su1	
qi!clppt1			ql-su1sux1			su1sut1	
qi!po			ql-su2			su1sut1su1sut1	
qi!vs			ql-sut1sux1			su1sut1su2	
qi!vsppt1			ql-sut2			su1sut1sux1	
qi!vsppt1su2			ql-sut2suu1			su1sut1suy1	
qi!vssu2			ql-suu2			su1sut2	
qi-			ql>			su1sut2su1	
qi-ppt1su1sut2			ql>ppt1			su1sut3	
qi-su1sut2			qlppt1			su1suu1	
			qlsut2			su1suu1su1	
			sa				
			sa!cl				
			sa!cl-				

su1suu1su2		to-		vi-ppt3	
su1suu2		to-1		vi-su1sut1	
su1suv1		to->		vi-su1sut1su2	
su1suw1		to>		vi-su1sut2su1	
su1sux1		to>1		vi-su1suu1	
su2		to>pp2		vi-su1suu1su1	
su2sut1		toG		vi-su1suu1su2	
su2suv1		toM		vi-su1suu2	
su2suw1		toM-	missing	vi-su1suw1	missing
su2sux1	missing	toM1		vi-su1sux1	
su2suy1		toM2	missing	vi-su2	
su3		toM2-	missing	vi-su2sut1	
su3sut1		toM3		vi-su2suw1	missing
su4		toS		vi-su2sux1	missing
su5		toS1		vi-su3	missing
sut1		toS2		vi-su4	
sut1su1sux1	missing	toS2su2		vi-sut1su2	
sut1su2		toS2sut1		vi-sut1sux1	missing
sut1sux1		toS2sut2		vi-sut2	
sut2		toS2sux1		vi-sut2sux1	missing
sut2su2		toS3		vi-sut3	
sut2suu1		toS3lst2		vi-sut4	
sut2sux1	missing	toS4	missing	vi-suu1su2	
sut2suy1		toSsu2		vi-suu2	
sut3		tolsc3		vi-suu2su2	
sut3suw1		tolsc4lst3		vi-suu3	
sut3suy1		tolst2		vi>	
sut4		toppt1	missing	vi>pp2	
suu1		toppu1		vi>ppt2	
suu1su2		tr		vi>ppt3	
suu2		tr-	missing	vilsc3	missing
suu2su2		tr-1		vilst1	missing
suu3		tr-1su2		vipp2	
suv1		tr-2	missing	vipp3	
suv1su2		tr~		vipp4	
suw2		tr~1		vipppt1su1sut1	
ta		tr>		vipppt1su2	
ta-		trG		vipppt1su2lsc3	missing
ta>		trG1		vipppt2	
talsc3	missing	trG2		vipppt3	
talst2	missing	trM		vippu1su2	
tg		trS		vippu1su2lsc3	missing
tg1		trS-		visu1sut1	
tgM		trS1		visu1sut1su1sut1	
tgS		trlst2		visu1sut1su2	
tgS-		tr~		visu1sut1sux1	
tgS1		ts		visu1sut1suy1	
tgS2	missing	ts-		visu1sut2	
tgS3		ts>		visu1suu1	
tgS4		tsM		visu1suu1su2	
to		tsM-		visu1suv1	
to!ciG		tslsx6	missing	visu1suw1	
to!cl		tv		visu1sux1	
to!cl!cl		tv-		visu2	
to!cl!cl!cl		vi		visu2lsc3	missing
to!cl!pi		vi-		visu2sut1	missing
to!cl!po		vi-!ci		visu2suw1	
to!cl!po-1		vi-!vi!vi		visu2sux1	
to!cl-		vi-!vi!vi		visu3	
to!cl-!cl-		vi->	missing	visu5	
to!cl-1		vi-lst3		visut1su2	
to!clS		vi-pp2			
to!pi		vi-pp4			
to!po		vi-ppt2			
to!pr					

visut1sux1
visut2
visut2su2
visut2sux1
visut2suy1
visut3
visut3suw1

missing

visut3suy1
visut4
visuu1su2
visuu2su2
visuv1su2
vs

vs-
vs->
vs>
vslsc3
vslst2
vs~

missing
missing

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
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
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, benedicient GT463
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
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 Adnuntiaturum 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
H179L Liberavit Dominus ARII183
H179A Amicus meus osculi NR381
H179I Iudas mercator NR382
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
H367V Viri sancti NR [54]
H424M Magnificat
H428A Ascendens Iesus AM593
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-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. <i>u</i>	pesu2suv1		
punctum			
pu	C137A	Audi	
st			
ci>			
gravis			
gr	H271L	Loquebantur	
gr-	H270S	Spiritus	
gr-lsc6	H270S	replevit	
clivis			
cl	C780	sperant	
cllsc3	C26A	nobis	
cllst2	C25U	exspectant	
cl-lst2	C52P	pretioso.	
cl-	C780	omnium	
clS-	C81E	opem	
clS	C780	opportuno.	
clS1	H424M	potentiam	
clM	C148V	nostro	
cl>			
cl>1	H36A	virginis	
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
peG			
pe>	C100C	germine	
pe>1	C27E	eius	
pe>2	C71L	miser cordia	
pe->	N296V	tuorum	
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	C460	gloria	
po-1su2	H269R	alleluia	
torculus			
to	C780	Domine	
tolsc3	C39B	nomine	
tolsc41st3	E125P	Domine,	2.166x
tolst2	C74B	miser cordiam	
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	miser cordiam	
pe>			
toS31st2	C59D	tuae	
pq!cl-	C87E	sanasti	
to>1	E130I	obdormiam	2.166x
to->	E158D	respexit	2.166x
toS2sux1	C460	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>	C460	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. <i>u</i>	vi-su1sut1su2 minus subpunctis		
vi-su2sut1	N296V	alleluia	
vi-su1sux1	E373B	Sanctum	2.133x
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
scandicus			
sc	G11P	imperium	0.85x
sc1 Cf. <i>u</i>	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	H730	annuntiantes	
✓	vi-!vi!vi	E155B	Benedicite	2.166x
✓	vipp3	G1400	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	
✓	pflsc2	C61I	Ipse	
✓	pflst2	C122I	finis	
✓	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.	
✓	vipp1su2lsc3	C61T	solus:	
✓	pe-su2	H73S	adoraverunt	
✓	pe-1su2	C64Q	habitat	
✓	pe-1sut2	H104T	confitemur	
✓	peSsu2	A17T	eius	
✓	peSsut2	C27E	sanctos	
✓	vipp1su2	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	
✓	vipp1su1sut1	C40V	omnes	
✓	vippu1su2	C74B	Altissime.	
✓	pesu1sut3	C60S	venti.	
✓	pesu2suv1	C60C	Sana	
✓	vippu1su2lsc3	C32B	caeli	
✓	pe-1su1suu1	C61I	pascuae	
✓	peSsu1sux1	G89D	fili	0.85x
✓	pe-su3sut1	N270A	saecula.	
✓	pe-1sut1sux1	H72V	orta	
✓	peSsut3	C460	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		
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	eeieieue	2.166x
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,	
✓	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	
✓	vs1sc3	C39B	nomine	
✓	vs1st2	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	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
pes quassus			
pq	C27E	sacrificia.	
pqlsfr1	C150L	nostris	
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		
sut1su2 Cf.	visut1su2		
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-suisuu2	
su1suu1su1 Cf.	vi-suisu1su1	
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	

prepunctis			
pp2 Cf.	vi-pp2		
ppu2 Cf.	scS		
ppt2 Cf.	sfS		
ppu3	C47I	Sede	
ppu4	C58A	Domine	
ppu5	C50G	confregit	
pp4	C780	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-1pi	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-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	
pf!clM-ppt1	E3270	narante	2.166x
cl!po>ppt1	E3270	narante	2.166x
qlppt1	C38T	Sede	
qippt1	C37A	Domine	
qi!clppt1	C88T	hostias,	

ql-ppt1	C26D	laetitiaē.	
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	H730	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. <i>ult</i>		ql!clS-2ppt1sut1 minus tractulus	
ql!clS-2ppt1 Cf. <i>ult</i>		ql!clS-2ppt1sut1 minus tractulus	
ql!clS-2 Cf. <i>ult</i>		ql!clS-2ppt1sut1 minus 2 tractulis	
ql!poppt1	C59D	Domine.	
ql!po-1ppt1	C58A	homo.	
ql!po-ppt1	H179L	pauperem	
ql!po- Cf. <i>ult</i>		ql!po- minus tractulus	
ql-ppt1su2	H72V	Jerusalem	
ql-ppt1su1sux1	H730	Reges	
ql-ppt1su1sut2	H75I	patris	
ql-ppt1suu2	H72H	Hic	
ql-ppt1sut2suu1	H16M	altissimi	1.7x
ql!vsppt1su2	H730	Domino	
ql!vsppt1 Cf. <i>ult</i>		ql!vsppt1su2 minus subbipunctis	
ql!vsppt1sut2	H73S	gaudio	
qi!vsppt1su2	H74I	Domini	
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!pr	G11V	Deo	0.85x
to!pi	C60C	tui.	
toSsu2	H72H	mihi	
pf!cl-	G51I	meus	
pf!clM- Cf. <i>ult</i>		pf!clM-ppt1 minus tractulus	
pf!pr	G9A	Alleluia	
cl!po> Cf. <i>ult</i>		cl!po>ppt1 minus tractulus	
cl!cl>1	N67G	mundi	
cl!clSsut2	E256C	psallite	2.166x
cl!clS Cf. <i>ult</i>		cl!clSsut2 minus 2 tractulis	
cl!po	C26A	nobis.	
cl!po-1	H119C	in	
tr-1su2	H730	dona	
ci-pp2	H73S	magno	
toS2su2	H73S	eam	
toS2sut2	C150L	dicta	
po-1pp2su1sux1	E75G	filium	2.2x
po-1su1sux1 Cf. <i>ult</i>		po-1pp2su1sux1 minus bipunctis	

significantive letters

lsam	C87E	abstraxisti	altius	
lsa1	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	guttare	
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	
ls1b	C58A	non	levare bene	
ls1c	E151A	ab	levare celeriter	2.166x
ls1en	C59D	servitui.	leniter	
ls1m	C38T	Tecum	levare mediocriter	
ls1p	E161S	dicat	levare parvum	2.166x
ls1t	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	
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	
lssst	C87E	Domine	sursum tenere	
lsssta	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	E1310	semper	valde	2.0x
lsvol	C58A	aeternum	volubiliter	
lsx	C87E	me:	expectare	