

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 a-mór- 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-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 descriptors*, optionally followed by a sequence of *significant letter descriptors*.

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

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

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

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

The *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 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 stropa.

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

Finally a commented example of a nabc snippet:

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

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

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

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

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

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

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
































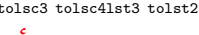







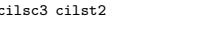

















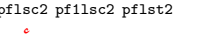







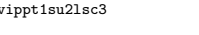

















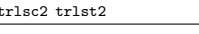




























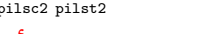
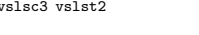






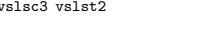






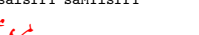













| Names of Symbols | Simple Symbols | Symbols differentiated by | | | | Symbols indicating a special meaning | | |
|--------------------|---|--|---|--|--|---|---|--|
| | | the addition | | the modification | | melodic | phonetic | |
| | | of letters | of episemas | of the mark | of the grouping (neumatic 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- |
| apostropha |  | |  st- |  stS | | |  st> | |
| distropha |  |  ds-lsx6 |  ds- | | | |  ds> | |
| tristropha |  |  ts-lsx6 |  ts- | | |  tsM |  ts> | |
| trigonus |  |  tg tg1 | |  tgS tgS1 tgS3 | |  tgM | |  ds> |
| bigirga & trivirga |  | |  bv- tv- | | | |  bv> | |
| 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 ^ˉ | | | 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 ^ˉ | | | 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 ^ˉ | | |
| 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 ^ˉ | | |
| cl-ppt2 | | | lspfec | | missing | pf!cl ^ˉ 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 ^ˉ | | |
| 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- | | | ql!po~ | | | scM2 | |
| pqS> | missing | | 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!pr | | vi-ppt2 | |
| su1suu2 | | to- | | vi-ppt3 | |
| su1suv1 | | to-1 | | vi-su1sut1 | |
| su1suw1 | | to-> | | vi-su1sut1su2 | |
| su1sux1 | | to> | | vi-su1sut2su1 | |
| su2 | | to>1 | | vi-su1suu1 | |
| su2sut1 | | to>pp2 | | vi-su1suu1su1 | |
| su2suv1 | | toG | | vi-su1suu1su2 | |
| su2suw1 | | toM | | vi-su1suu2 | |
| su2sux1 | missing | toM- | missing | vi-su1suw1 | missing |
| su2suy1 | | toM1 | | vi-su1sux1 | |
| su3 | | toM2 | missing | vi-su2 | |
| su3sut1 | | toM2- | missing | vi-su2sut1 | |
| su4 | | toM3 | | vi-su2suw1 | missing |
| su5 | | toS | | vi-su2sux1 | missing |
| sut1 | | toS1 | | vi-su3 | missing |
| sut1su1sux1 | missing | toS2 | | vi-su4 | |
| sut1su2 | | toS2su2 | | vi-sut1su2 | |
| sut1sux1 | | toS2sut1 | | vi-sut1sux1 | missing |
| sut2 | | toS2sut2 | | vi-sut2 | |
| sut2su2 | | toS2sux1 | | vi-sut2sux1 | missing |
| sut2suu1 | | toS3 | | vi-sut3 | |
| sut2sux1 | missing | toS3lst2 | | vi-sut4 | |
| sut2suy1 | | toS4 | missing | vi-suu1su2 | |
| sut3 | | toSsu2 | | vi-suu2 | |
| sut3suw1 | | tolsc3 | | vi-suu2su2 | |
| sut3suy1 | | tolsc4lst3 | | vi-suu3 | |
| sut4 | | tolst2 | | vi> | |
| suu1 | | toppt1 | missing | vi>pp2 | |
| suu1su2 | | toppu1 | | vi>ppt2 | |
| suu2 | | tr | | vi>ppt3 | |
| suu2su2 | | tr- | missing | vilsc3 | missing |
| suu3 | | tr-1 | | vilst1 | missing |
| suv1 | | tr-1su2 | | vipp2 | |
| suv1su2 | | tr-2 | missing | vipp3 | |
| suw2 | | tr~ | | vipp4 | |
| ta | | tr~1 | | vipppt1su1sut1 | |
| ta- | | tr> | | vipppt1su2 | |
| ta> | | trG | | vipppt1su2lsc3 | missing |
| ta>ppt1 | | 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 | | | |
| to!clS | | vi-pp2 | | | |
| to!pi | | vi-pp4 | | | |
| to!po | | | | | |

visut1su2
visut1sux1
visut2
visut2su2
visut2sux1
visut2suy1
visut3

missing

visut3suw1
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.

Most of the glyphs taken from the e-codices Virtual Manuscript Library of Switzerland, <http://www.e-codices.unifr.ch/en>, with permission from Stiftsbibliothek, St. Gallen <http://www.stibi.ch/> and Stiftsbibliothek, Einsiedeln <http://kloster-einsiedeln.ch/>, the picture fragments from there are only present in the font source file to help drawing the glyphs.

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 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
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 | | | | |

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| 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 | | |

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| 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 |
| cl-!pi | E35E | illis |
| 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 |
| 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 |
| 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!vs ppt1su2 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 |
| ql-su1suu2 | H34F | facinora |
| qi!cl | C82B | spiritu |
| qi!cl- | C148A | factus |
| qi!cl> | H77S | Magi |
| qi!po | H87E | Deus |
| pf!clM-ppt1 | E3270 | narante |
| cl!po>ppt1 | E3270 | narante |
| qlppt1 | C38T | Sede |
| qippt1 | C37A | Domine |
| qi!clppt1 | C88T | hostias, |

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|-----------------------------|-------|------------------------------------|--------|
| 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

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|-------|-------|-------------|-----------------------|--------|
| 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 | |

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|---------|-------|------------|--------------------|--------|
| 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 | |
| lslc | E151A | ab | levare celeriter | 2.166x |
| lslen | C59D | servitui. | leniter | |
| lslm | C38T | Tecum | levare mediocriter | |
| lslp | E161S | dicat | 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 | |
| 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 | |