

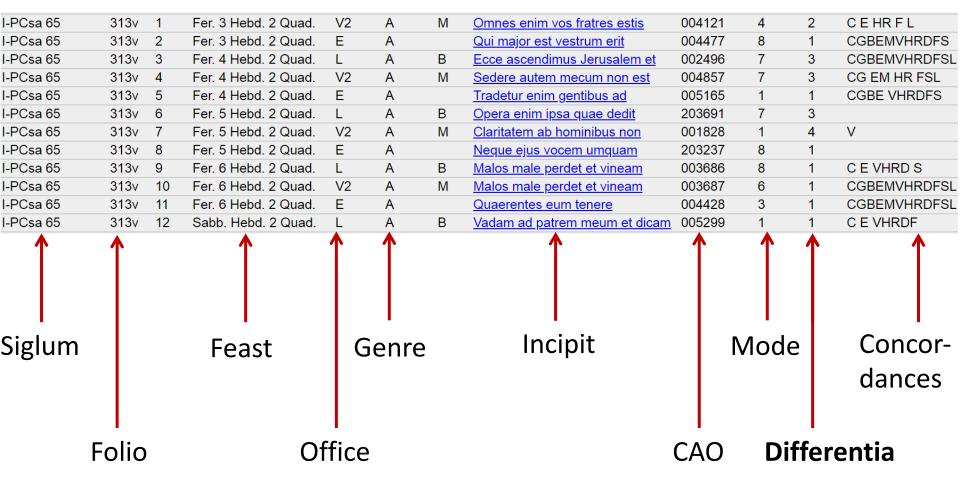
Differentiae Database

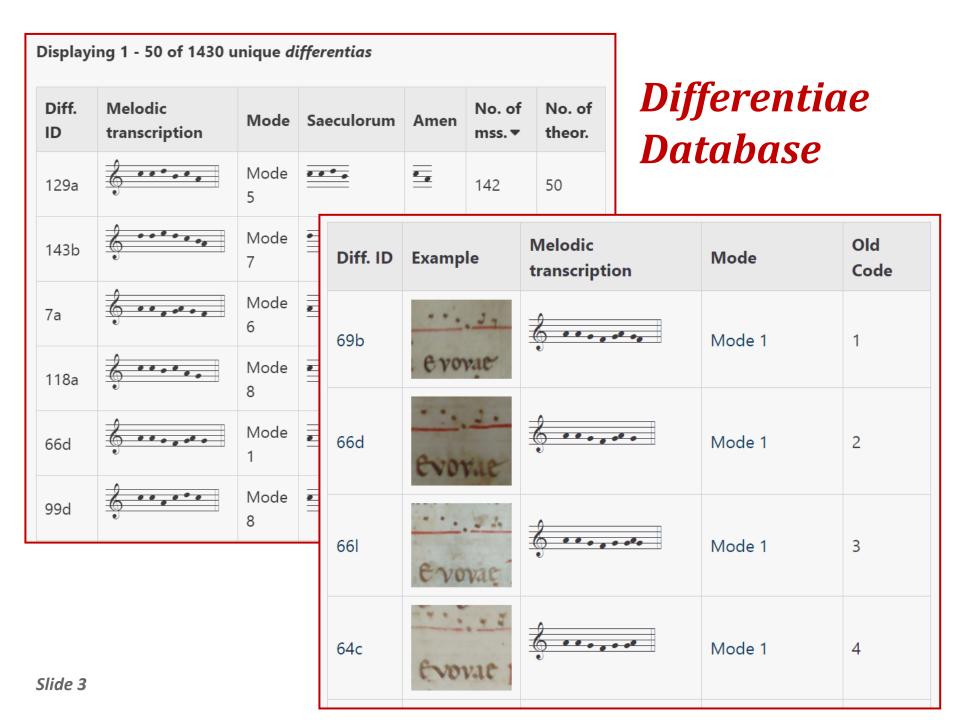
http://differentiaedatabase.com

Username: admin Password: Dalhousie2019

Rebecca Shaw SIMSSA XIX (September 21, 2019) r.shaw@utoronto.ca







Data Summary

- 159 manuscripts (1,258 unique *differentiae*)
- 61 theoretical treatises (435 unique *differentiae*)
- 1,457 unique *differentiae*
- 129,526 antiphons with standardized *differentiae*

Purpose and impact

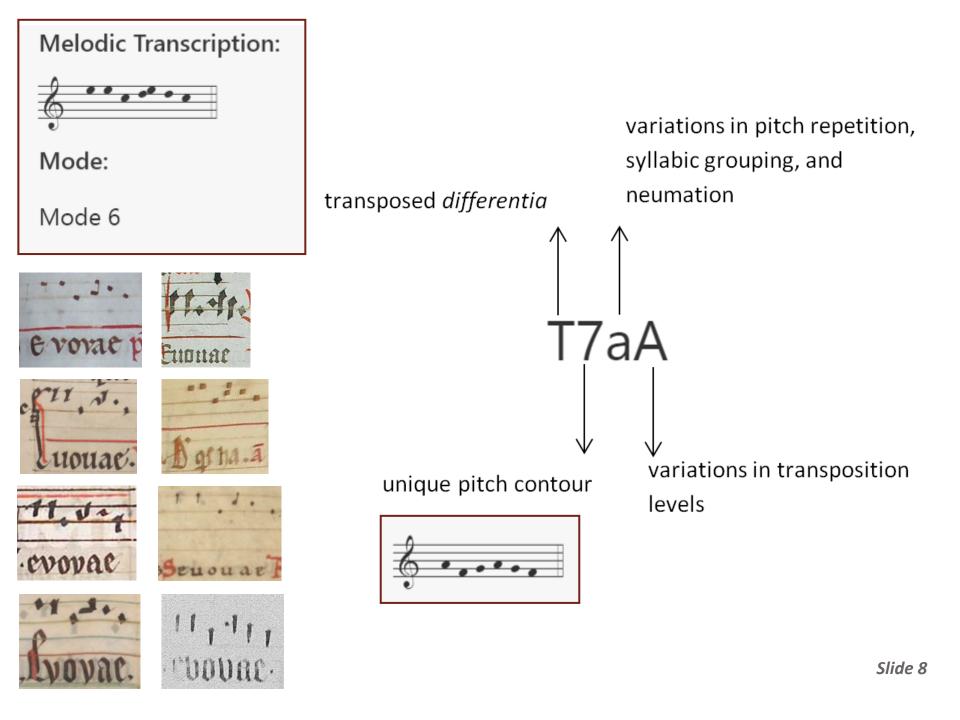
- provides a standardized means of indexing differentiae
- enables the cross-manuscript study of *differentiae*
 - clarify function of *differentiae* in antiphonal psalmody
 - improve understanding of modally-ambiguous antiphons
 - assist in identification of manuscript provenance
 - understand the 'medieval' memorization and categorization of antiphon melodies

1--h-h-g-f-gh-gfetd Da**4**5, 4, 7, D1, D2g, D4, D2e, D1a, D01, ab, D3...



1--h-h-g-f-gh-gred--4





Differentia ID: 129a

Melodic Transcription:

[......

Mode:

Mode 5

Saeculorum:



Amen:



Syllabic contour:

n-n-n-n-n

Pitch contour:



Overall direction:

Down

Overall movement:



Range:



Liquescents?:

No

Transposed?:

Found in 142 manuscript(s)

Paris, Bibliothèque nationale de France - Département des Manuscrits, latin 1085 Sankt Gallen, Stiftsbibliothek, 390 Sankt Gallen, Stiftsbibliothek, 391 Toledo, Catedral - Archivo y Biblioteca Capítulares, 44.1 Roma, Biblioteca Vallicelliana, C.5 Toledo, Catedral - Archivo y Biblioteca Capítulares, 44.2 Berlin, Staatsbibliothek zu Berlin Preußischer Kulturbesitz, Mus. 40047 Vercelli, Biblioteca Capitolare, LXIV Montecassino, Monumento Nazionale di Montecassino - Biblioteca, 542 Worcester, Cathedral - Music Library, F.160 (olim 1247) (with hymnal) Klosterneuburg, Augustiner-Chorherrenstift - Bibliothek, 1013 Vercelli, Biblioteca Capitolare, LXX Monza, Basilica di S. Giovanni Battista - Biblioteca Capitolare e Tesoro, 15/79 Gottschalk Antiphoner (fragments) Klosterneuburg, Augustiner-Chorherrenstift - Bibliothek, 1012

(Page 1)

Found in 50 theoretical source(s)

De modorum formulis et tonarius,11th century De musica cum tonario,11th century Commentum super tonos,11th century Tractatus,11th century Tonale Sancti Bernardi,12th century Regulae de arte musica,12th century Summa de Speculatione Musica,13th century Tractatus de tonis,13th century Tractatus de musica,13th century Ars musica,13th century Tractatus de intonatione tonorum,14th century Intonarium,14th century De origine musice artis,14th century Speculum musicae, Liber sextus,14th century

Saeculorum:



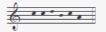
Contains 57 unique differentias

Diff. ID	Melodic transcription	Saeculorum	Amen	Mode	No. of mss. •	No. of tonaries
129a			Ξ	Mode 5	142	50
131a	[<u></u>	<u> </u>	Mode 5	42	21
129c		<u></u>	Ξ	Mode 5	25	0
130a	[<u></u>	Ŧ	Mode 5	18	13
T129aA	[<u></u>	Ξ	Mode 5	16	0
1290	{		5	Mode 5	16	3
131c	}		5	Mode 5	9	0
129t	{		5	Mode 5	9	0
T129aB		<u></u>	5	Mode 5	8	0
T131aA	}	<u></u>	<u> </u>	Mode 5	8	0

Slide 10

Differentia ID: 129a

Melodic Transcription:



Mode:

Mode 5

Saeculorum:



Amen:



Syllabic contour:

n-n-n-n-n

Pitch contour:



Overall direction:

Down

Overall movement:



Range:



Liquescents?:

No

No

Transposed?:

Found in 142 manuscript(s)

Paris, Bibliothèque nationale de France - Département des Manuscrits, latin 1085 Sankt Gallen, Stiftsbibliothek, 390 Sankt Gallen, Stiftsbibliothek, 391 Toledo, Catedral - Archivo y Biblioteca Capítulares, 44.1 Roma, Biblioteca Vallicelliana, C.5 Toledo, Catedral - Archivo y Biblioteca Capítulares, 44.2 Berlin, Staatsbibliothek zu Berlin Preußischer Kulturbesitz, Mus. 40047 Vercelli, Biblioteca Capitolare, LXIV Montecassino, Monumento Nazionale di Montecassino - Biblioteca, 542 Worcester, Cathedral - Music Library, F.160 (olim 1247) (with hymnal) Klosterneuburg, Augustiner-Chorherrenstift - Bibliothek, 1013 Vercelli, Biblioteca Capitolare, LXX Monza, Basilica di S. Giovanni Battista - Biblioteca Capitolare e Tesoro, 15/79 Gottschalk Antiphoner (fragments) Klosterneuburg, Augustiner-Chorherrenstift - Bibliothek, 1012

(Page 1)

Found in 50 theoretical source(s)

De modorum formulis et tonarius,11th century De musica cum tonario,11th century Commentum super tonos,11th century Tractatus,11th century Tonale Sancti Bernardi,12th century Regulae de arte musica,12th century Summa de Speculatione Musica,13th century Tractatus de tonis,13th century Tractatus de musica,13th century Ars musica,13th century Tractatus de intonatione tonorum,14th century Intonarium,14th century De origine musice artis,14th century Speculum musicae, Liber sextus,14th century

Vercelli, Biblioteca Capitolare, LXIV

Siglum I-VCd LXIV

Century 12th century

Date range 1173-1200

Provenance Vercelli

Monastic order or cathedral Cathedral

Male/Female Not applicable

Notation Messine

Differentiae type In-line

Information on differentias

In the original *Cantus* index for this manuscript, the *differentiae* were identified based on the second tonary included in the manuscript *I-VCd LXX* (ff. 213v-222r).

Bibliography

Brusa, Gionata. Inventory of "Vercelli, Biblioteca Capitolare, LXIV." In: *Cantus Manuscript Database for Latin Ecclesiastical Chant: Inventories of Chant Sources.* Directed by Debra Lacoste (2011-), Terence Bailey (1997-2010), and Ruth Steiner (1987-1996). Web developer, Jan Koláček

Contains 33 unique differentias

ModeTransposed- Any -+- Any -+

Apply

Diff. ID	Example	Melodic transcription	Mode	Old Code
69b	evovae	0 0	Mode 1	1
66d	evorae		Mode 1	2
661	Evovaç		Mode 1	3
64c	evovae j	<u> </u>	Mode 1	4
72b	evovae		Mode 1	5
304a	Evovae 2		Mode 1	6
T304a	··· 3.	1	Mode 1	6

Slide 12

Dominican

Contains 20 unique differentias

Diff. ID	Melodic transcription	Mode 🔺
66d	· · · · · · ·	Mode 1
72b	· · · · · · · · · · · · · · · · · · ·	Mode 1
64b		Mode 1
152b		Mode 2
152g		Mode 2
97a		Mode 3

- provenance
- century
- monastic order or cathedral
- male/female monastic order
- style of notation
- type of *differentia*

Consists of 5 manuscripts

Chicago, Art Institute of Chicago, Mrs. William E. Kelley Collection, 1911.142b

Provenance Bologna

Century 13th century

Monastic order or cathedral Dominican

Notation Square

Differentiae type In-line

• standardized differe	<i>ntia</i> ID
------------------------	----------------

- saeculorum
- amen
- mode
- pitch contour
- syllabic contour

- direction of movement
- interval of movement
- range
- inclusion of liquescents
- transposition

Saeculorum		Amen	Syllabic contour	Mode	Liquescents Transpo	osed? Century
e-e-d-c		c-cd	n-n-n-n-n	- Any - 🔶	- Any - 🗢 🛛 - Any -	♦ - Any -
e-e-d-e		c-d	n-n-n-n-nd			
f-d-f-e		c-da	n-n-n-n-ndd		D.	
f-f-d-e		c-dc	n-n-n-n-nddd	Contour code	DI	fferentia ID
f-f-d-fe		cd-c	n-n-n-n-ndddd			
f-f-e-c		cd-cd	n-n-n-n-ndddu	0 g 1 2 2 etc	[ter exact
f-f-e-cd		cd-d	n-n-n-n-ndddud	e.g., 1, 2, 3, etc.	EIII	
f-f-e-d		cd-dc	n-n-n-n-nddu	D'tale and an		
f-f-e-e	•	cd-def 🚽	n-n-n-n-ndu 👻	Pitch contour	IVI	elodic transcription
Select one or mo	ore	Select one or more	Select one or more			
				Enter with Volpiano, see "User	Tutorial" Ent	ter with Volpiano, see "User Tutorial"

- Any -

٠

Limit to manuscript or theorist sources

- provenance
- century
- monastic order or cathedral
- male/female monastic order
- style of notation
- type of *differentia* (in-line, margin, tonary letters)

Siglum	Century	Order/Cathedral	Notation	Male/Female
	- Any - 🔶	- Any - 🔶	- Any - 🔶	- Any - 🔶
Contains	Select one	Select one	Select one	Select one
Provenance				
Enter exact				
Apply				

Impact and Significance

- 1. Enables cross-manuscript comparisons of *differentiae*
- 2. Existing definitions of *differentiae* are predominantly reliant on medieval theoretical sources
- 3. Provides answers to questions and contestations over *differentia* function and the relationship between *differentiae*, mode, and the melodic incipits of antiphons
- 4. Allows *differentiae* to be used in assessments of manuscript similarity and provenance, and studies of chant transmission

Next steps

- 1. Finish editing manuscript *differentiae*
- 2. Launch public database
- **3**. Add images for *differentiae* from theoretical sources and edit
- 4. Integrate the standardized *differentiae* IDs into *Cantus Manuscript Database* indices
- 5. Use standardized ID in future indices and continue adding manuscripts to the database

Thank you!



Social Sciences and Humanities Research Council of Canada Conseil de recherches en sciences humaines du Canada





r.shaw@utoronto.ca