



MASTER OF SCIENCE
IN ENGINEERING

UNIVERSITY OF APPLIED SCIENCES WESTERN SWITZERLAND
MSE - SOFTWARE ENGINEERING

Projet d'approfondissement Inphinity

Authors:
Déruaz Vincent

Supervisors:
Prof. Carlos Peña

Hes·SO

Haute Ecole Spécialisée
de Suisse occidentale

Fachhochschule Westschweiz

University of Applied Sciences and Arts
Western Switzerland

Lausanne, May 18, 2016

Contents

1	Introduction	2
2	State of the art	3
2.1	Biology	3
2.2	Bio-informatic	3
3	Methods	4
3.1	Phamerator	4
3.2	PhamDB	4
3.3	Phamily	4
3.4	Database	4
4	Results & Analyse	5
4.1	First result with Phamerator	5
4.2	Database	5
5	Conclusion	6
5.1	Problems encountered	6
5.2	Perspectives	6
6	References	7
7	Annexes	8

1 Introduction

TODO: phages Vs bacteria

TODO: genome

TODO: sequence alignment

2 State of the art

2.1 Biology

2.2 Bio-informatic

3 Methods

3.1 Phamerator

3.2 PhamDB

3.3 Phamily

3.4 Database

4 Results & Analyse

4.1 First result with Phamerator

4.2 Database

5 Conclusion

5.1 Problems encountered

5.2 Perspectives

6 References

7 Annexes