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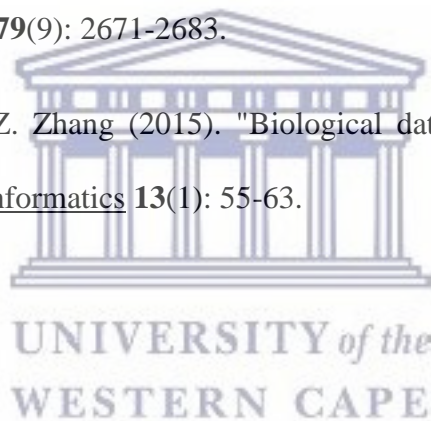
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APPENDICES

Appendix A

Supplementary Material for Chapter 2

Table A.1: HMMER scores and E-values for AMPs

Single domain name	All AMPs Scores	E-value
YYNN1	33.8	3.50E-06
YYNN2	23.2	0.0033
YYNN3	26	0.00085
YYNN4	24.1	0.0067
YYNN5	30.5	2.90E-05
YYNN6	32.6	2.00E-05
YYNN7	29.9	0.00013
	N.gon	
YYNN8	37.6	1.50E-07
	N.men	
YYNN9	29.1	2.40E-06

Appendix B

Supplementary Material for Chapter 3

Table B.1: NCBI result for NhhA

```
>NP_274028.1 adhesin - nhhA
MNKIYRIIWNSALNAWVVVSELTRNHTKRASATVKTAVLATLLFATVQASANNEEQEEDLYLDPVQRTVA
VLIIVNSDKEGTGEKEKVEENS DWAVYFNEKGVLTAREITLKAGDNLKIKQNGTNFTYSLKKDLTDLTSVG
TEKLSFSANGNKVNITS DTKGLNFAKETAGTNGD TT VHLNGIGSTLTD TLLNTGAT TNVTNDNVTDDEKK
RAASVKDVLNAGWNIKGVKPGTTASDNVDFVRTYDTVEFLSADTKTTTVNVESKDNKKTEVKIGAKTSV
IKEKDGKLVTKDKGENGSSTDEGEGLVTAKEVIDAVNKAGWRMKT T TANGQTGQADKFETVTSGTNVTF
ASGKGTTATVSKDDQGNITVMYDVNVGDALNVNQLQNSGWNLDKAVAGSSGKVISGNVSPSKGKMDETV
NINAGNIEITRNGKNIDIATSMT PQFSSVSLGAGADAP T LSVGDALNVGSKDNKPVRI TNVAPGVKE
GDVTNVAQLKGVAQNLNRRIDNV DGNARAGIAQAIATAGLVQAYLP GKSMMAIGGGTYRGEAGYAIGYSS
ISDGGNWI I KGTASGNSRGHFGASASVGYQW
```

Table B.2: UniProt result for NhhA

```
>sp|Q7DDJ2|NHHA_NEIMB Autotransporter adhesin NhhA
MNKIYRIIWNSALNAWVVVSELTRNHTKRASATVKTAVLATLLFATVQASANNEEQEEDLYLDPVQRTVA
VLIIVNSDKEGTGEKEKVEENS DWAVYFNEKGVLTAREITLKAGDNLKIKQNGTNFTYSLKKDLTDLTSVG
TEKLSFSANGNKVNITS DTKGLNFAKETAGTNGD TT VHLNGIGSTLTD TLLNTGAT TNVTNDNVTDDEKK
RAASVKDVLNAGWNIKGVKPGTTASDNVDFVRTYDTVEFLSADTKTTTVNVESKDNKKTEVKIGAKTSV
IKEKDGKLVTKDKGENGSSTDEGEGLVTAKEVIDAVNKAGWRMKT T TANGQTGQADKFETVTSGTNVTF
```

ASGKGTTATVSKDDQGNITVMYDVNVGDALNVNQLQNSGWNLDSKAVAGSSGKVISGNVSPSKGKMETV
NINAGNNIEITRNGKNIDIATSMTPQFSSVSLGAGADAPTLSDGDALNVGSKKDNKPVRI TNVAPGVKE
GDVTNVAQLKGVAQNLNRRIDNV DGNARAGIAQAIATAGLVQAYLP GKSMMAIGGGTYRGEAGYAIGYSS
ISDGGNWI I KGTASGNSRGHFGASASVGYQW

Table B.3: NCBI result for PorA

>NP_274441.1 outer membrane protein PorA
MRKKLTALVLSALPLAAVADVSLYGEIKAGVEGRNYQLQLTEAQAANGGASGQVKVTKVT
KAKSRIRTKISDFGSFIGFKGSEDLGDGLKAVWQLEQDVS VAGGGATQWGNRESFIGLAG
EFGTLRAGR VANQFDDASQAIDP WDSNNDVASQLGIFKRHDDMPVSVRYDSPEFSGFSGS
VQFVPIQNSKSAYTPAYYTKNTN NNLTLVPAVVGKPGSDVYYAGLNYKNGGFAGNYAFKY
ARHANVGRNAFELFLIGSGSDQAKGTDPLKNHQVHRLTGGYEEGGLNLALAAQLDLSENG
DKTKNSTTEIAATASYRFGNAVPRISYAHGFDFIERGKKGENTS YDQIIAGVDYDFSKRT
SAIVSGAWLKRNTGIGNYTQINAASVGLRHKF

Table B.4: UniProt result for PorA

>sp|P0DH58|OMPA_NEIMB Major outer membrane protein PorA
MRKKLTALVLSALPLAAVADVSLYGEIKAGVEGRNYQLQLTEAQAANGGASGQVKVTKVT
KAKSRIRTKISDFGSFIGFKGSEDLGDGLKAVWQLEQDVS VAGGGATQWGNRESFIGLAG
EFGTLRAGR VANQFDDASQAIDP WDSNNDVASQLGIFKRHDDMPVSVRYDSPEFSGFSGS
VQFVPIQNSKSAYTPAYYTKNTN NNLTLVPAVVGKPGSDVYYAGLNYKNGGFAGNYAFKY
ARHANVGRNAFELFLIGSGSDQAKGTDPLKNHQVHRLTGGYEEGGLNLALAAQLDLSENG
DKTKNSTTEIAATASYRFGNAVPRISYAHGFDFIERGKKGENTS YDQIIAGVDYDFSKRT
SAIVSGAWLKRNTGIGNYTQINAASVGLRHKF

Table B.5: NCBI result for Opc

>NP_274087.1 class 5 outer membrane protein - Opc
MKKTVFTCAMIALTGTA AAAQELQTAN EFTVHTDLSSISSTRAFLKEKHKAAKHISVRAD
IPFDANQGIRLEAGFGRSKKNI INLETDENKLGKTKNVKLPTGVPENRIDLYTG YTYTQT
LSDSLNFRV GAGLGFESSKDSIKTTKHTLHSSRQSWLAKVHADLLS QLGNGWYINPWSEV
KFDLNSRYKLNTGVTNLK KKDINQKTNGWGFGLGANIGKKLGESASIEAGPFYKQRTYKES
GEFSVTTKSGDVSLTIPKTSIREYGLRVGIKF

Table B.6: UniProt result for Opc

>tr|Q51227|Q51227_NEIME OpcA protein OS=Neisseria meningitidis
MKKTVFTCAMIALTGTA AAAQELQTAN EFTVHTDLSSISSTRAFLKEKHKAAKHIGVRAD
IPFDANQGIRLEAGFGRSKKNI INLETDENKLGKTKNVKLPTGVPENRIDLYTG YTYTQT
LSDSLNFRV GAGLGFESSKDSIKTTKHTLHSSRQSWLAKVHADLLS QLGNGWYINPWSEV
KFDLNSRYKLNTGVTNLK KKDINQKTNGWGFGLGANIGKKLGESASIEAGPFYKQRTYKES
GEFSVTTKSGDVSLTIPKTSIREYGLRVGIKF