

A FprA

Pae MSNLYTERVLSVHHWNTLFSFKTTRNPLGRFKTGQFVMIGLEVD-GRPLMRAYSIASPN
Ppu MSNMNHERVLSVHHWNTLFSFKCTRDPGLRFENGQFVMIGLQQDNGRPLMRAYSIASPN
Avi MSNLNVERVLSVHHWNTLFSFKTTRNPSLRFENGQFVMIGLEVD-GRPLMRAYSIASPN
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Pae YEEHLEFFSIKVPDGPLTSRLQHLKEGDELMVSRKPTGTLVHDDLPGKHLVLLSTGTGM
Ppu WEEHLEFFSIKVPDGPLTSRLQHLKEGDEIIISKKPTGTLVDDLNPGLKHLVLLSTGTGL
Avi YEEHLEFFSIKVQNGPLTSRLQHLKEGDELMVSRKPTGTLVTSDLLPGKHLVLLSTGTGL
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Pae APFLSVIQDPETYERYEKVILVHGVRVWSELAYADFITKVLPEHEYFGDQVKEKLIYYPL
Ppu APFMSVIQDPETYERFEKVILVHGVRVYVNEVAYREFITEHLPQNEFFGESVRDKLIYYPT
Avi APFMSLIQDPEVYERFEKVILVHGVRVQVNELAYQQFITEHLPQSEYFGEAVKEKLIYYPT
:*.**.***:***:*.***** *.*:** :***: ** :*:*: *.:*****

Pae VTREPFNRQGRQTDLMRSGKLFEDIGLPPMNPQDDRAMICGSPSMLEETSAVLDSFGLKI
Ppu VTREPFENQGRQTDLMRSGKLFSDIGLPPINPQDDRAMICGSPSMLEDETSEVLDSFGLKI
Avi VTRESFHNQGRQTDLMRSGKLFEDIGLPPINPQDDRAMICGSPSMLEDESCEVLDFGLKI
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Pae SPRMGEPGDYLIERAFVEK
Ppu SPRMREPGDYLIERAFVEK
Avi SPRMGEPGDYLIERAFVEK
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B FinR

Pae MKFTLRQLEVFVAVAAQESVSRAAEGLSLSQSATSSTSLGELERQFDCKLFDKAGKRLTLN
Ppu MRFTLRQMVFVAVAQHQSVSRAASLLALSQSAASTSITELERQSSCQLFDRAGKRLALN
Avi MRFTLRQLEVFVAVARLESVTRAAESLSLSQSAASTSITELERQSDCQLFDRVGRKRLKLN
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Pae ALGRQLLPQAVALLDRGEEIENLLNGKTAFGSLDLGATLTIGNYLATLLIGAFMQRQPC
Ppu ALGHQLLPQAVALLDQAKEIEDLLNGKSGFGSLAVGATLTIGNYLATLLIGNYMQTHPES
Avi ALGRQLLPQAVALLNQAREIENLLDGKEGFGSLAVGATLTIGNYLATLLIGAFMQRHPES
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Pae RVRLHVHNTAQVVQVAHYELDGLIEGDCRHPDIEVQPWMEDELVVFCAPQHPLARRGG
Ppu QVKLHVQNTAHIVQVVAHYEIDLGLIEGDCNHPDLEVQPWVEDELVVFCAPQHPLAKLGR
Avi RVRLHVQNTAHIVQVNVNHELDGLIEGNCQHPDVELQPWVEDELVVFCAPQHPLARHGR
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Pae ADLERLTREAWILREQSGTRTLTFDQAMRHHPRPLNIRLELEHTEAIKRAVESGLGIGCI
Ppu ADIESLSQEAWILREQSGTRTLTFDQAMRHHANLNIRLELEHTEAIKRAVESGLGIGCI
Avi ATLDELAGEAWILREQSGTRTLTFDQAMRHRPMLNIRLELEHTEAIKRAVESGLGIGCI
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Pae SRLALRDAFRGSLVPVETPGLDLRRQFYFIWHKQKYQTATMREFLDLCRSETAGISRSD
Ppu SRLALRDAFRGSLVPVETPELDLLRQFYFIWHKQKYQTSAMREFLELCRNFTAGFTRSD
Avi SRLALRDAFRGSLVPVETPQLDLKRQFCFLWHKQKLHTAAMREFLEQCRALTAGVRRSD
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Pae EIVLPLIP
Ppu EIVLPPIA
Avi EIVLPPIA
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S1 Fig. Multiple amino acid sequence alignment of *P. aeruginosa* FprA and FinR.