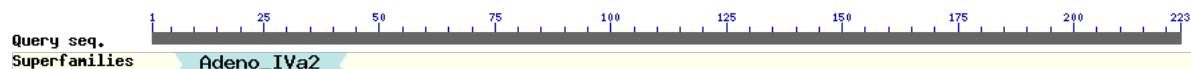


Supplementary information S2 (figure)**A: CD-Search**

Description	PssmId	E-value
Adeno IVa2 [pfam02456], Adenovirus IVa2 protein	145542	3.23e-05

B: BLASTP

Maturation protein IVa2 [Human adenovirus 4] Sequence ID: [gb|AAS16289.1|](#)

Score	Expect	Method	Identities	Positives	Gaps
36.2 bits(82)	0.003	Compositional matrix adjust.	29/121(24%)	52/121(42%)	15/121(12%)
P2-AMi 8		PFSVILAGPSNCGKSYFIKNLNDNADSLLSPMPENIMWCYSCWQPL-----YKELLCKY			61
Sbjct 64		P + + GP+ CGKS ++NLL + L+SP PE + + + + +C+			
P2-AMi 62		PVI GVI YGPTGCGKSQLRNLL--SAQLIS PAPETVFFIAPQVDMIPPS ELKA WEM QICEG			122
Sbjct 123		PF IKF VEG -- VPQSL NDD CLF PPN KVNM VVV DD LMDS ACES GEIE KAFT KYV HHRN LS IM + + EG VPQS P + M D D + + F + H ++ I +			119
		NYAPGIE GTF VPQS --- GTLRPKFI KMAYE DL TQDH NYD VSD PRNVFAQ AAA HGPI AII			178

Relationship between the ATPases of the Polintovirus 2 from *Alligator mississippiensis* (P2_AMi) and human adenovirus 4. A. Results of the search against the conserved domains database at <http://www.ncbi.nlm.nih.gov/Structure/cdd/wrpsb.cgi>. B. Results of the Blastp analysis.