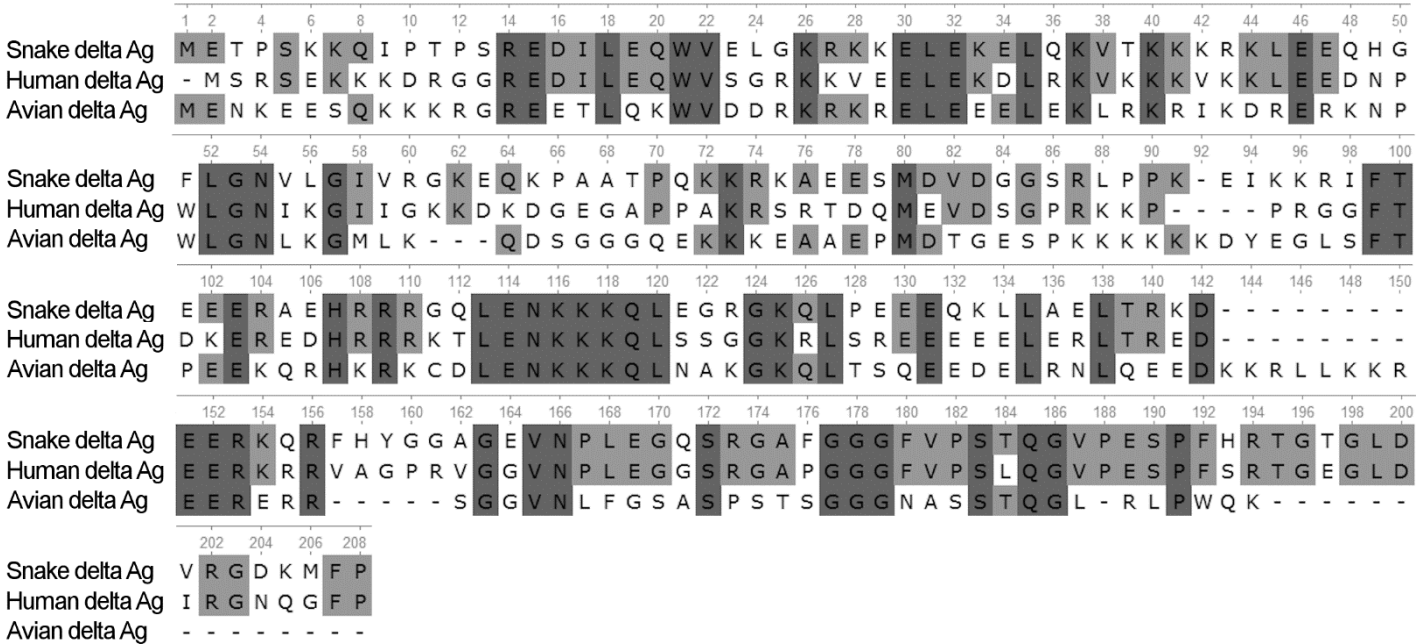


# Amino acid alignment of snake, human and avian HDAG



## Amino acid identities between snake, human and avian HDAG

	AYF55701.1 Snake HDAG	AWI66689.1 Human small HDAG	AYC81245.1 Avian HDAG
AYF55701.1 Snake HDAG	100 %		
AWI66689.1 Human small HDAG	55 %	100 %	
AYC81245.1 Avian HDAG	37 %	39 %	100 %

## Amino acid sequence of putative L-sHDAG

METPSKQIPTPSREDILEQWVELGKRKKELEKELQKVTKKKRKLEEQHGFLGNVLGIVRGKEQKPAATPQKKRKAEEESMDVDGGSRLPPKEIKKRIFTEEERAHRRRGQLENKKKQLEGRGKQLPEEEQKLLAEELTRKDRKDEERKQRFHYGGAGEVNPLEGQSRGAFGGGFVFPSTQGVPESPFHRRTGTGLDVRGDKMFPWKRNEERRSERGEEERSREKPE

### S-sHDAG

Number of amino acids: 199  
Molecular weight: 22728.8  
Theoretical pI: 9.74

### L-sHDAG

Number of amino acids: 221  
Molecular weight: 25583.9  
Theoretical pI: 9.69

## WoLF PSORT prediction of human and snake S-HDAG

>AAQ09794.1 small delta antigen [Hepatitis delta virus]  
MSRSESKRNRDREGILEQWVNGRKKLEDLEREARKIKKKIKKLEDENPWLGNIGKILGKDKDGE GAPPAKRARTDQMEIDSGPGKRPLRGGFSDKERQDHRRRKALENKRKQLAAGGKHLKKEEEELKRLTEEDERRETAGPSVGGVNPLEGGSRGAPGGGFVNPMLSPVPESPFSRTGEGLDVRGNQGF

WoLFPSORT prediction: nucl: 27, extr: 2, cyto: 2, mito: 1

>AYF55701.1 delta antigen [Snake deltavirus F18-5]  
METPSKQIPTPSREDILEQWVELGKRKKELEKELQKVTKKKRKLEEQHGFLGNVLGIVRGKEQKPAATPQKKRKAEEESMDVDGGSRLPPKEIKKRIFTEEERAHRRRGQLENKKKQLEGRGKQLPEEEQKLLAEELTRKDRKDEERKQRFHYGGAGEVNPLEGQSRGAFGGGFVFPSTQGVPESPFHRRTGTGLDVRGDKMFP

WoLFPSORT prediction: nucl: 25.5, cyto\_nucl: 16.5, cyto: 6.5