

Supplementary Table S1. Important residues described previously by Nekbyrasov *et al.* [19] and Mc Mahon *et al.* [6] for ArdA-H2 and their correspondents on ArdA-H1.

ArdA1	ArdA2	Motif	Domain
Phe92	Phe91		Central
Gln127	Ala126	anti-restriction	C-terminal
Leu128	Leu127 ⁺		
Gly129	Gly128		
Glu130	Glu129		
Val131	Val130		
Pro132	Pro131		
Ser133	Ala132		
Asn134	Ser133		
Leu135	Leu134 ⁺		
Gln136	Gln135		
Asn137	Asn136		
Tyr138	Tyr137* ⁺		
Ile139	Ile138* ⁺		
Asp140	Asp139 ⁺		
Tyr141	Tyr140		
Asp140	Asp139 ⁺		
Val161	Ile160	VF-motif	
Phe162	Phe161		
Tyr164	Ile163		

*Essential residues.

⁺ Residues located at the dimer interface.