

Supplementary figure S5. Multiple alignment of the putative DNA-dependent polymerase (pol) proteins of porcine adenovirus (PAdV) strains GES7 and Z11 with that of PAdV serotype 5 (PAdV-5) (species *Porcine mastadenovirus C*) reference strain HNF-70. Amino acid (aa) mismatches are highlighted with green. The two putative zinc finger motifs are shown with underline and red font, whilst the conserved region I has been highlighted with blue. The virus serotype (isolate)/GenBank accession number are shown for PAdV-5 isolate HNF-70, whilst the virus name/host/country/year have been mentioned for strains GES7 and Z11. A “*” denotes an identical aa residue. Numbers to the right indicate the positions of the aa for respective PAdV strains.

PAdV-5 (HNF-70) /AF289262	MSVVPSDGSGRLLGAEGHPKHQQKGRGHGDEAETGRQT	YAGTARGRPARSGPVRGNLVAK	60
GES7/Pig/DOM/2020	MSVVPSDGSGRLLGAEGHPKHQQKGRGHGDEAETGRQT	YAGTARGRPARSGPVRGNLVAK	60
Z11/Pig/DOM/2021	MSVVPSDGSGRLLGAEGHPKHQQKGRGHGDEAETGRQT	YAGTARGRPARSGPVRGNLVAK	60

PAdV-5 (HNF-70) /AF289262	RATLSASGTLEDGTHVDIKFHSKTLEALENLFHLHLLQLPPLPPISTSNVSDVLQLL	PR	120
GES7/Pig/DOM/2020	RATLSASGTLEDGTHVDIKFHSKTLEALENLFHLHLLQLPPLPPISTSNVSDVLQLL	PR	120
Z11/Pig/DOM/2021	RATLSASGTLEDGTHVDIKFHSKTLEALENLFHLHLLQLPPLPPISTSNVSDVLQLL	PR	120

PAdV-5 (HNF-70) /AF289262	EGSVVYNRGRVSVKQVEIREPK	HFHQFLKQGVYLIKEIQDTQKCEYCGDFFKTS	180
GES7/Pig/DOM/2020	EGSVVYNRGRVSVKQVEIREPK	HFHQFLKQGVYLIKEIQDTQKCEYCGDFFKTS	180
Z11/Pig/DOM/2021	EGSVVYNRGRVSVKQVEIREPK	HFHQFLKQGVYLIKEIQDTQKCEYCGDFFKTS	180

PAdV-5 (HNF-70) /AF289262	TCSVRRRDYFHHVHHKSSDWENIPFQPLGSYRETERLYITYDVETYTWHGKHGKQLVP		240
GES7/Pig/DOM/2020	TCSVRRRDYFHHVHHKSSDWENIPFQPLGSYRETERLYITYDVETYTWHGKHGKQLVP		240
Z11/Pig/DOM/2021	TCSVRRRDYFHHVHHKSSDWENIPFQPLGSYRETERLYITYDVETYTWHGKHGKQLVP		240

PAdV-5 (HNF-70) /AF289262	FLLVFHISGEPHLVKVAESVAQDLNWCWTEKHTFYILNPQKSAVGRMFKSFRDELQNRV		300
GES7/Pig/DOM/2020	FLLVFHISGEPHLVKVAESVAQDLNWCWTEKHTFYILNPQKSAVGRMFKSFRDELQNRV		300
Z11/Pig/DOM/2021	FLLVFHISGEPHLVKVAESVAQDLNWCWTEKHTFYILNPQKSAVGRMFKSFRDELQNRV		300

PAdV-5 (HNF-70) /AF289262	TQDLWKTFLSQNPFLVETAARLNLSVDDITPEVLKKEKICGEPREFIEVYVIGHNISGFD		360
GES7/Pig/DOM/2020	TQDLWKTFLSQNPFLVETAARLNLSVDDITPEVLKKEKICGEPREFIEVYVIGHNISGFD		360
Z11/Pig/DOM/2021	TQDLWKTFLSQNPFLVETAARLNLSVDDITPEVLKKEKICGEPREFIEVYVIGHNISGFD		360

PAdV-5 (HNF-70) /AF289262	EIVLAAQVICHQSKTIKAFKISRNFMPRNGKILFNDITFGLPNPLFEKRKEFQEWERGSM		420
GES7/Pig/DOM/2020	EIVLAAQVICHQSKTIKAFKISRNFMPRNGKILFNDITFGLPNPLFEKRKEFQEWERGSM		420
Z11/Pig/DOM/2021	EIVLAAQVICHQSKTIKAFKISRNFMPRNGKILFNDITFGLPNPLFEKRKEFQEWERGSM		420

PAdV-5 (HNF-70) /AF289262	VQDMKQQFVKLMVRDTLMLTHTSLRNAAKAYDLPEKGCCPYEAVNEFYRTGTQKDED		480
GES7/Pig/DOM/2020	VQDMKQQFVKLMVRDTLMLTHTSLRNAAKAYDLPEKGCCPYEAVNEFYRTGTQKDED		480
Z11/Pig/DOM/2021	VQDMKQQFVKLMVRDTLMLTHTSLRNAAKAYDLPEKGCCPYEAVNEFYRTGTQKDED		480

PAdV-5 (HNF-70) /AF289262	GFPSLRWYKQDEEYALNKLWREKKCGAYDLISSTLTCAQDVLVTSSLVRKLQESYQSF		540
GES7/Pig/DOM/2020	GFPSLRWYKQDEEYALNKLWREKKCGAYDLISSTLTCAQDVLVTSSLVRKLQESYQSF		540
Z11/Pig/DOM/2021	GFPSLRWYKQDEEYALNKLWREKKCGAYDLISSTLTCAQDVLVTSSLVRKLQESYQSF		540

PAdV-5 (HNF-70) /AF289262	IANEVNLPDSSFNIFQRPTISSNSHAIFKQILYRAEKPERQHLGEVLLAPSNEYDYVRQ		600
GES7/Pig/DOM/2020	IANEVNLPDSSFNIFQRPTISSNSHAIFKQILYRAEKPERQHLGEVLLAPSNEYDYVRQ		600
Z11/Pig/DOM/2021	IANEVNLPDSSFNIFQRPTISSNSHAIFKQILYRAEKPERQHLGEVLLAPSNEYDYVRQ		600

PAdV-5 (HNF-70) /AF289262	SIRGGRCYPTYIGILHEPIYVDICGMYASALTHPMPSGSPLNPFERALAVAVWEDQLKS		660
GES7/Pig/DOM/2020	SIRGGRCYPTYIGILHEPIYVDICGMYASALTHPMPSGSPLNPFERALAVAVWEDQLKS		660
Z11/Pig/DOM/2021	SIRGGRCYPTYIGILHEPIYVDICGMYASALTHPMPSGSPLNPFERALAVAVWEDQLKS		660

PAdV-5 (HNF-70) /AF289262	VGQKMDYFDEKLLPGIFTIDADPPDESFLDVLPPFCSRKGGRLCWTNEPLRGEVATSVDV		720
GES7/Pig/DOM/2020	VGQKMDYFDEKLLPGIFTIDADPPDESFLDVLPPFCSRKGGRLCWTNEPLRGEVATSVDV		720
Z11/Pig/DOM/2021	VGQKMDYFDEKLLPGIFTIDADPPDESFLDVLPPFCSRKGGRLCWTNEPLRGEVATSVDV		720

PadV-5_(HNF-70)/AF289262	ITLHNRGWRVRLVPDERTTIFPEWKCLAKEYVQLNIAAKEKADREKNQTMRSIAKLLSNA	780
GES7/Pig/DOM/2020	ITLHNRGWRVRLVPDERTTIFPEWKCLAKEYVQLNIAAKEKADREKNQTMRSIAKLLSNA	780
Z11/Pig/DOM/2021	ITLHNRGWRVRLVPDERTTIFPEWKCLAKEYVQLNIAAKEKADREKNQTMRSIAKLLSNA	780

PadV-5_(HNF-70)/AF289262	LYGSFATRLDNKKIVFSDQLEEESKNISRGKYSVKSSSFIEDNFSADIMPEFVVAYPP	840
GES7/Pig/DOM/2020	LYGSFATRLDNKKIVFSDQLEEESKNISRGKYSVKSSSFIEDNFSADIMPEFVVAYPP	840
Z11/Pig/DOM/2021	LYGSFATRLDNKKIVFSDQLEEESKNISRGKYSVKSSSFIEDNFSADIMPEFVVAYPP	840

PadV-5_(HNF-70)/AF289262	VADVSNEEDNEAAEEATPFIGKSDHVTYKYKPIITFLDVEDDDVCLHTLESSSSIVLNNRYA	900
GES7/Pig/DOM/2020	VADVSNEEDNEAAEEATPFIGKSDHVTYKYKPIITFLDVEDDDVCLHTLESSSSIVLNNRYA	900
Z11/Pig/DOM/2021	VADVSNEEDNEAAEEATPFIGKSDHVTYKYKPIITFLDVEDDDVCLHTLESSSSIVLNNRYA	900

PadV-5_(HNF-70)/AF289262	SHLASFVLAWARVVFVSEWSEFLYENDRGVPMEEERQIKSVYGD TDS SLFVTEEGHRLMKEKG	960
GES7/Pig/DOM/2020	SHLASFVLAWARVVFVSEWSEFLYENDRGVPMEEERQIKSVYGD TDS SLFVTEEGHRLMKEKG	960
Z11/Pig/DOM/2021	SHLASFVLAWARVVFVSEWSEFLYENDRGVPMEEERQIKSVYGD TDS SLFVTEEGHRLMKEKG	960

PadV-5_(HNF-70)/AF289262	KHRIKKNGGSLVFD PQHPQVTWLVE CET RC DKCGEDAYSPTS SVFLAPKLYALKSTVCS C	1020
GES7/Pig/DOM/2020	KHRIKKNGGSLVFD PQHPQVTWLVE CET RC DKCGEDAYSPTS SVFLAPKLYALKSTVCS C	1020
Z11/Pig/DOM/2021	KHRIKKNGGSLVFD PQHPQVTWLVE CET RC DKCGEDAYSPTS SVFLAPKLYALKSTVCS C	1020

PadV-5_(HNF-70)/AF289262	GYVGKGLRAKGHATSELSFDVLQRCYLEDLQLGSEKFKTSRLSLKRTLASCQSNAAPFT	1080
GES7/Pig/DOM/2020	GYVGKGLRAKGHATSELSFDVLQRCYLEDLQLGSEKFKTSRLSLKRTLASCQSNAAPFT	1080
Z11/Pig/DOM/2021	GYVGKGLRAKGHATSELSFDVLQRCYLEDLQLGSEKFKTSRLSLKRTLASCQSNAAPFT	1080

PadV-5_(HNF-70)/AF289262	VTEATL TRTLRPWKDKTLT QIDQNRLIPYSTSRPNPRNTDLCWMTLPWDS	1130
GES7/Pig/DOM/2020	VTEATL TRTLRPWKDKTLT QIDQNRLIPYSTSRPNPRNTDLCWMTLPWDS	1130
Z11/Pig/DOM/2021	VTEATL TRTLRPWKDKTLT QIDQNRLIPYSTSRPNPRNTDLCWMTLPWDS	1130
