

Supplementary material:

Table I: List of the potential MHC-I and MHC-II FAdV immunogenic peptides for the chicken immune system, predicted by the immunoinformatics approach described in this study

Nº	Peptide Sequences	Bind Level	MHC	Nº	Peptide Sequences	Bind Level	MHC
1	TELSYQYML	SB	I	1	SEAAKAAAA	WB	I
2	KESLSRFVV	SB	I	2	IEMTYEEAT	WB	I
3	IEYHLTLAI	SB	I	3	SESPDAFPA	WB	I
4	TEYLGAVAV	SB	I	4	QESLFKYLM	WB	I
5	SELELMAEL	SB	I	5	MEAPLLPPI	WB	I
6	MEWCMDTAL	SB	I	6	QEFVFPYPRF	WB	I
7	REHLASVPI	SB	I	7	TELGWIVKL	WB	I
8	FEFQHEDSI	SB	I	8	SETAPGQNV	WB	I
9	RELNLCLPA	SB	I	9	AEREASDTA	WB	I
10	LEFINGRAL	SB	I	10	GENSLTSGL	WB	I
11	RENWFYQLL	SB	I	11	TEISLKMVL	WB	I
12	AEISPITPL	SB	I	12	SELEYGGPS	WB	I
13	SELAFHLQL	SB	I	13	LELMLRNAT	WB	I
14	HEREYVLSV	SB	I	14	AELADSDVL	WB	I
				15	KEYCEVLYL	WB	I

Table 2: Antibody titers estimated as optical density (OD) elicited in the control and vaccinated groups.

		MHC-II multi epitopic protein		P-value
		Control		
OD Mean (OD SD)	2nd Week	0.252 (0.124)	0.324 (0.222)	0.381
	3rd Week	0.237 (0.118)	0.404 (0.271)	0.050
	4th Week	0.258 (0.141)	1.728 (1.569)	0.024

A greater difference in the optical density (proportional to antibody titer) is observed at the third and fourth week in comparison with the control group.