

1 **DNA vaccination partially protects against African swine fever virus lethal challenge**
2 **in the absence of antibodies**

3

4 **Running title: ASFV DNA vaccine**

5 J.M. Argilaguet^{1,6}, E. Pérez-Martín^{1,7}, M. Nofrarías¹, C. Gallardo², F. Accensi^{1,5}, A.
6 Lacasta¹, M. Mora¹, M. Ballester¹, I. Galindo¹, S. López¹, J.M. Escribano³, P. Reche⁴, F.
7 Rodríguez^{1*}

8

9 ¹*Centre de Recerca en Sanitat Animal (CReSA), UAB-IRTA, Campus de la UAB, 08193
10 Bellaterra, Barcelona, Spain.*

11 ²*CISA-INIA, Valdeolmos, 28130 Madrid, Spain.*

12 ³*Departamento de Biotecnología, INIA. Autovía A6 Km. 7.5, Madrid (28040) Spain.*

13 ⁴*Departamento de Microbiología I-Inmunología, Facultad de Medicina, Universidad
14 Computense de Madrid, 28040 Madrid, Spain*

15 ⁵*Departament de Sanitat I Anatomia Animals, Universitat Autònoma de Barcelona, 08193
16 Bellaterra, Barcelona, Spain*

17 ^{6actual address}*Department of Experimental and Health Sciences; Universitat Pompeu Fabra;
18 08003 Barcelona, Spain*

19 ^{7actual address}*Plum Island Animal Disease Center, Agricultural Research Service, U.S.
20 Department of Agriculture, Greenport, New York*

21

22 *Corresponding author: Tel: +34 93 581 45 62; Fax: +34 93 581 44 90

23 E-mail: fernando.rodriguez@cresa.uab.es

24 Abstract: 263 words (max 250); Text: XXX wo