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A potential robust antiviral defense state in the common vampire bat: Expression, induction and molecular characterization of the three interferon-stimulated genes - OAS1, ADAR1 and PKR

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A potential robust antiviral defense state in the common vampire bat: expression, 1 induction and molecular characterization of the three interferon-stimulated genes -2 OAS1, ADAR1 and PKR 3 4 Sarkis Sarkis^{a,*}, Stéphanie Dabo^b, Marie-Claude Lise^a, Christine Neuveut^b, Eliane F. 5 Meurs^b, Vincent Lacoste^a and Anne Lavergne^{a,*} 6 7 ^a Laboratoire des Interactions Virus-Hôtes, Institut Pasteur de la Guyane, Cayenne, French 8 9 Guiana 10 ^b Hepacivirus and Innate Immunity, Institut Pasteur, 75015 Paris, France 11 12 * Corresponding authors. 13 Laboratoire des Interactions Virus-Hôtes, Institut Pasteur de la Guyane, 23 avenue Pasteur, 14 97300 Cayenne, French Guiana. 15 E-mail adresses: sarkis.sarkis@hotmail.com (S. Sarkis); alavergne@pasteur-cayenne.fr (A. 16 Lavergne) 17 18 Keywords: Desmodus rotundus, Innate immunity, ISGs, OAS1a, OAS1b, ADAR1, PKR 19

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