

Supplementary information

In Vitro Evaluation of Aryl Hydrocarbon Receptor Involvement in Feline Coronavirus Infection

Luca Del Sorbo¹, **Rosa Giugliano**^{1,2}, **Claudia Cerracchio**¹, **Valentina Iovane**³, **Maria Michela Salvatore**^{4,*}, **Francesco Serra**⁵, **Maria Grazia Amoroso**⁵, **Francesco Pellegrini**⁶, **Martina Levante**⁵, **Paolo Capozza**⁶, **Georgia Diakoudi**⁶, **Massimiliano Galdiero**², **Giovanna Fusco**⁵, **Annamaria Pratelli**^{6,*}, **Anna Andolfi**^{3,7} and **Filomena Fiorito**^{1,7,*}

¹Department of Veterinary Medicine and Animal Production, University of Naples Federico II, Naples, Italy

² Department of Experimental Medicine, University of Campania Luigi Vanvitelli, Naples, Italy

³ Department of Agricultural Sciences, University of Naples Federico II, Portici, Naples, Italy

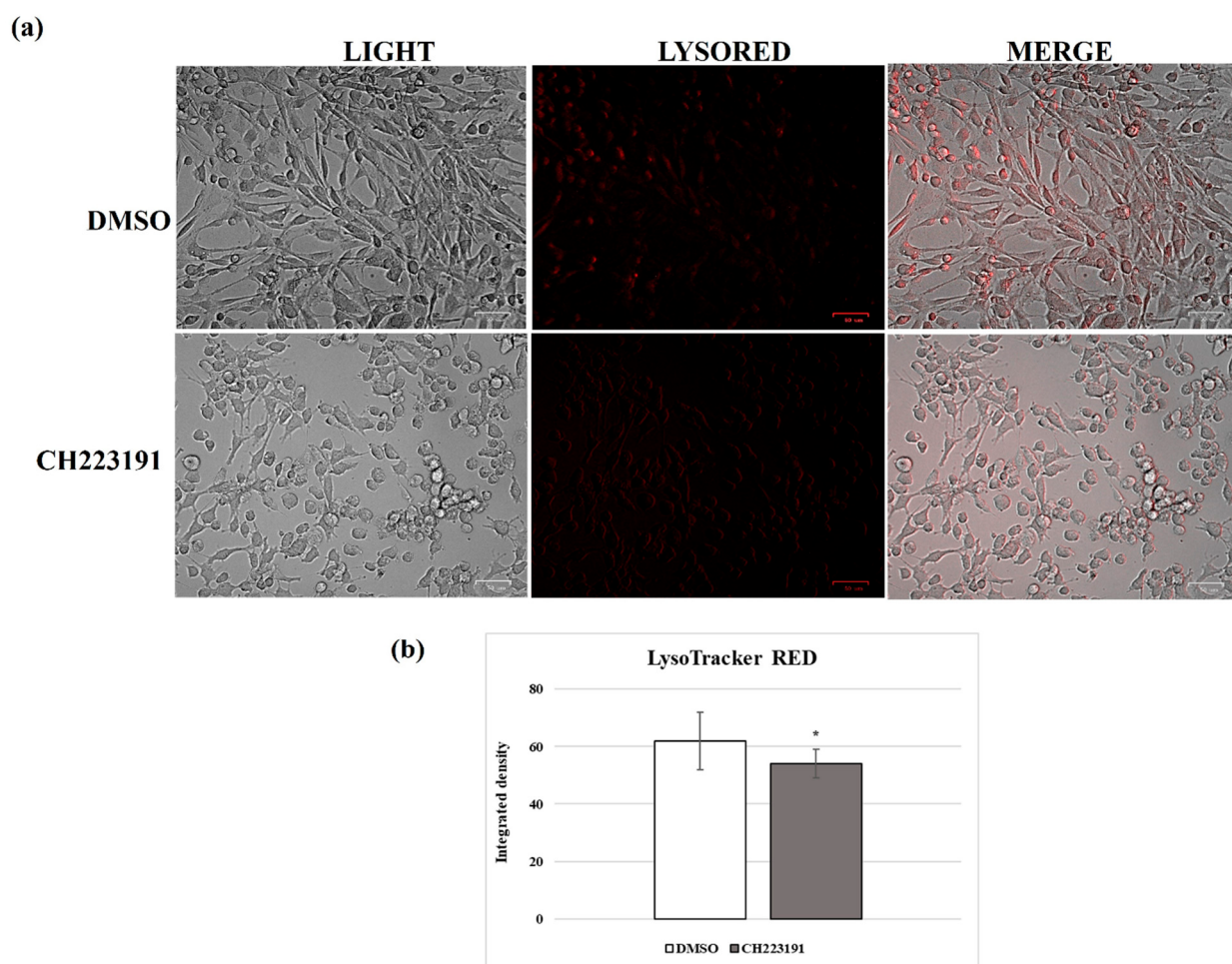
⁴ Department of Chemical Sciences, University of Naples Federico II, Naples, Italy

⁵ Istituto Zooprofilattico del Mezzogiorno, Portici, Naples, Italy

⁶ Department of Veterinary Medicine, University of Bari, Valenzano (Bari), Italy

⁷ BAT Center-Interuniversity Center for Studies on Bioinspired Agro-Environmental Technology, University of Naples Federico II, Portici, Italy

* Correspondence: filomena.fiorito@unina.it (F.F.); mariamichela.salvatore@unina.it (M.M.S.); annamaria.pratelli@uniba.it (A.P.)



Supplementary Figure S1. The AhR inhibitor CH223191 deacidifies lysosomes in CRFK cells. (a) LysoRed staining of DMSO control group compared to cells pretreated with CH223191. Scale bar 50 μ m. (b) Bars indicate the mean ratio obtained by the integrated density of LysoTracker calculated by ImageJ. Error bars represent standard deviation quantification and significant differences are indicated by probability p . * $p < 0.05$. The results of one experiment representative of three independent experiments were reported.