

SUPPORTING INFORMATION

Impact of virus purification protocol on aggregation and electrokinetics

of MS2 phage and corresponding VLPs.

C. Dika^{1,2}, C. Gantzer^{1,2*}, A. Perrin^{1,2} and J. F. L. Duval^{3,4*}

¹Université de Lorraine, LCPME (Laboratoire de Chimie Physique et Microbiologie pour l'Environnement), UMR 7564, Nancy, F-54001, France.

²CNRS, LCPME, UMR 7564, Nancy, F-54001, France

³Université de Lorraine, LEM (Laboratoire Environnement et Minéralurgie), UMR 7569, Vandoeuvre-lès-Nancy F-54501, France.

⁴CNRS, LEM, UMR 7569, Vandoeuvre-lès-Nancy, F-54501, France

Corresponding authors:

* Jérôme F.L. Duval. E-mail address: jerome.duval@univ-lorraine.fr (J.F.L. Duval)

Tel: +33 3 83 59 62 63. Fax: +33 3 83 59 62 55.

* Christophe Gantzer. E-mail address: christophe.gantzer@univ-lorraine.fr (C. Gantzer)

Tel: +33 3 83 68 22 91. Fax: +33 3 83 68 23 78.

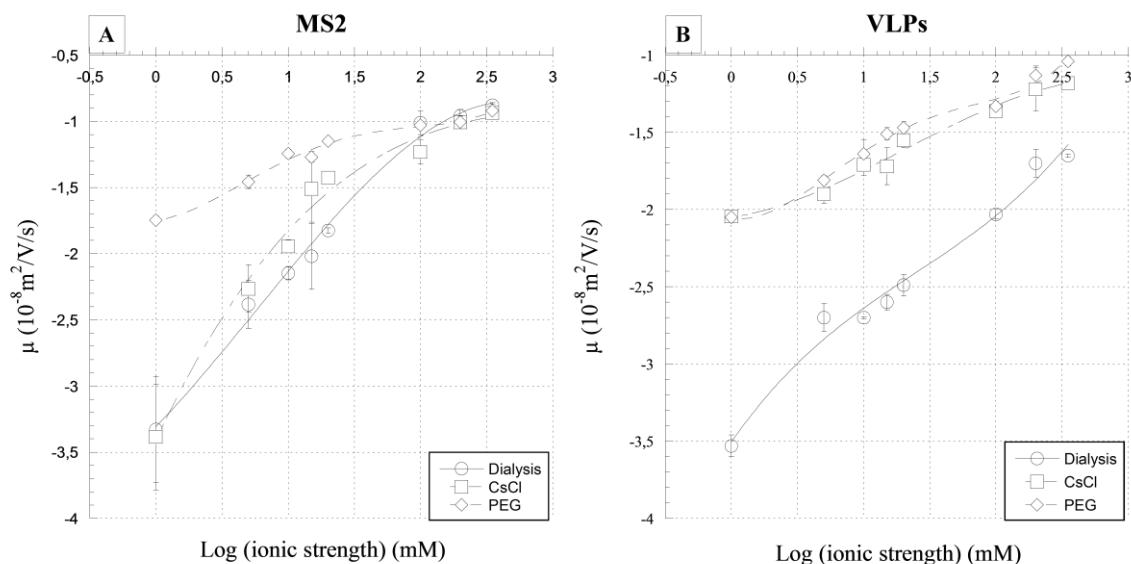


Fig S1: Electrophoretic mobilities of MS2 bacteriophages (A) and MS2-VLPs (B) as a function of log of ionic strength at pH 7 after three different purification protocols: dialysis, ultracentrifugation by cesium chloride gradient and polyethylene glycol (PEG) precipitation. The solid and dotted lines are only guides to the eye.