(A) (B)

**Figure 3** Transmission electron microscopical images of negatively stained RGNNV VLPs (A) and RGNNV VLPs decorated VapA-SpyCatcher (B). To examine VLP shape and size, 5μl of VLPs diluted to 0.2mg/ ml was applied on 300-mesh cupper carbon film grids (AGS160-3, Agar scientific, England) followed by absorption of excessive buffer using filter paper (Whatman #1) after 2 min, and negative staining with 5μl of 2% uranyl acetate for 1 min following standard procedures. Imaging was done using a Tecnai T12 (BioTwin, Canada) microscope at 120kV. Images were recorded with a camera TemCam-XF416 (TVIPS, Gauting, Germany). The samples were subsequently examined by transmission electron microscopy (TEM) using FEI Tecnai T12 BioTwin. Image settings: Conventional/basic TEM, Accelerating voltage 120kV, Condenser aperture 150μm, Magnification 30000X. Exposure time for image acquisition: 3-5 seconds.