

Supplementary information

Title: Improvement of a rapid diagnostic application of monoclonal antibodies against avian influenza H7 subtype virus using Europium nanoparticles

Authors

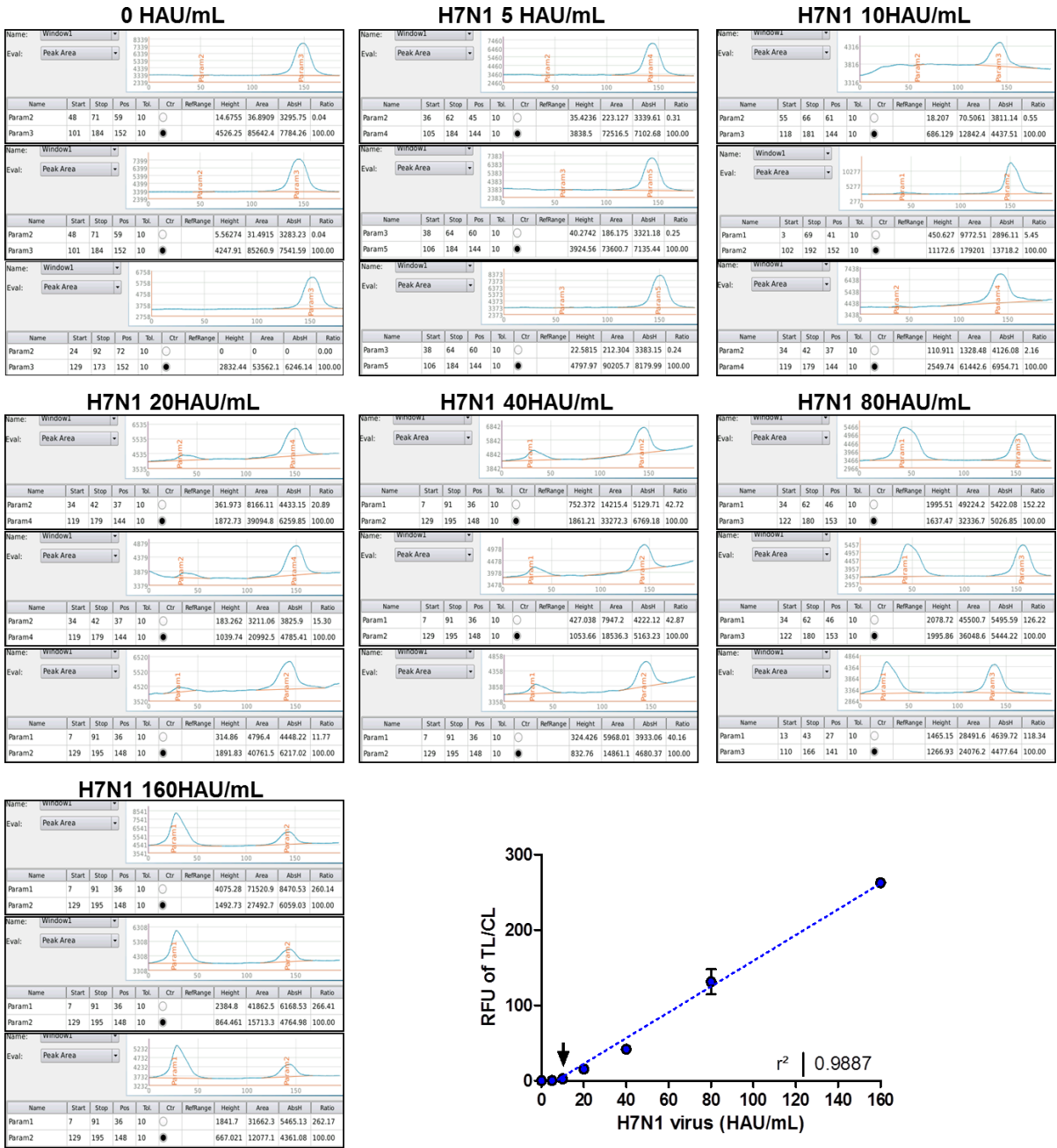
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Figures

Figure S1. Effect of Europium nanoparticle on FICT targeting influenza A NP

Figure S2. Performance of FICT to detect influenza A virus in clinical specimen.

A



B

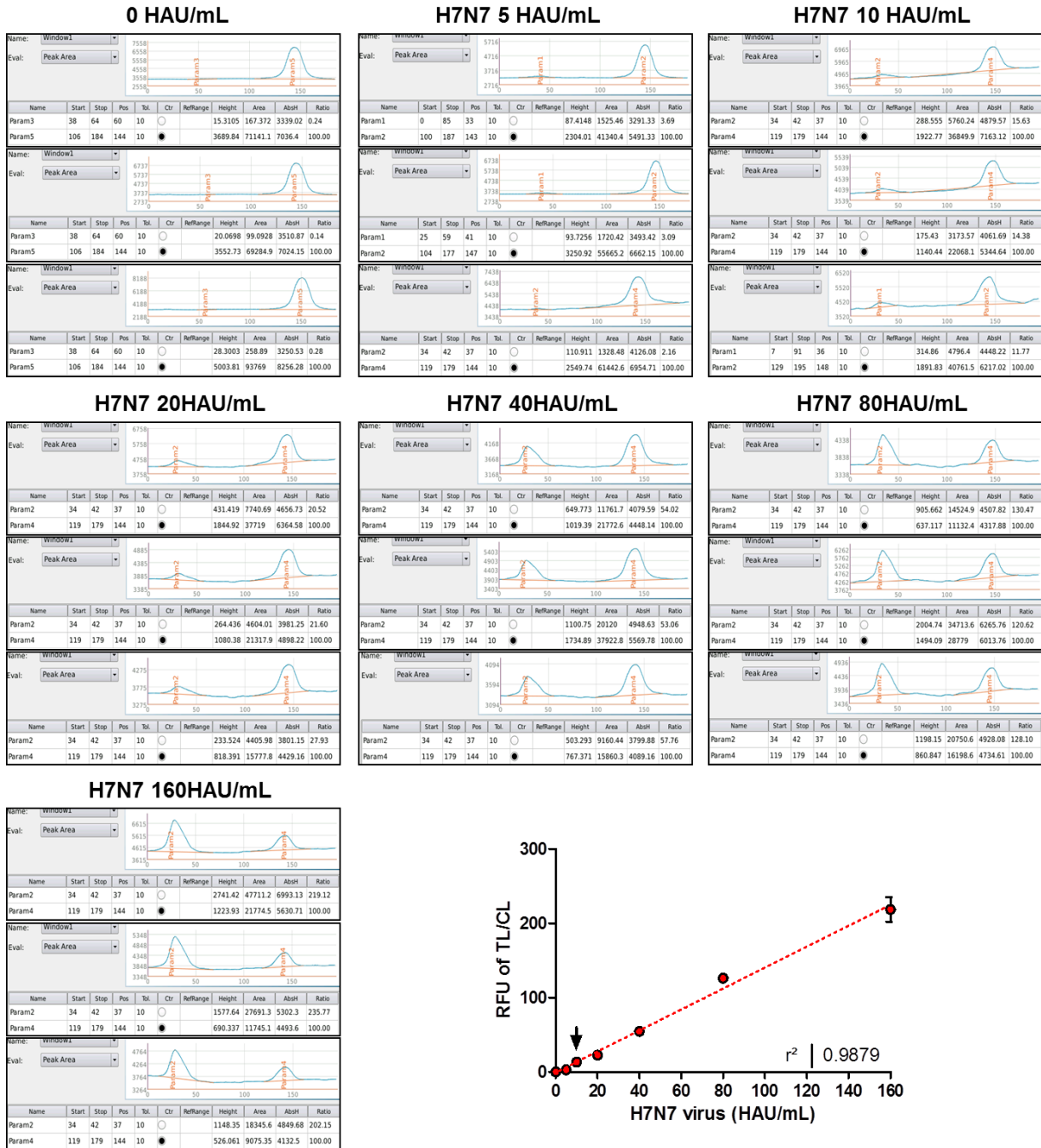
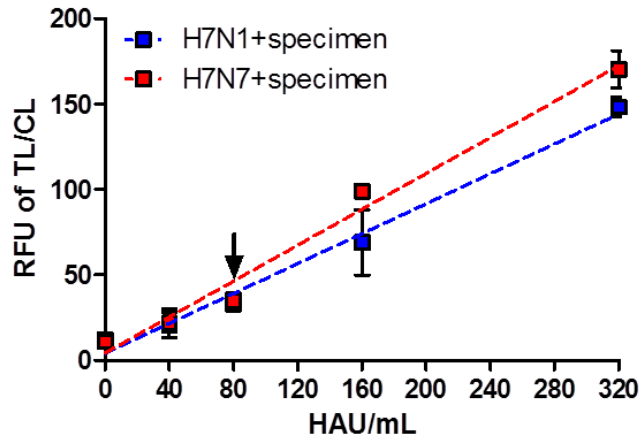
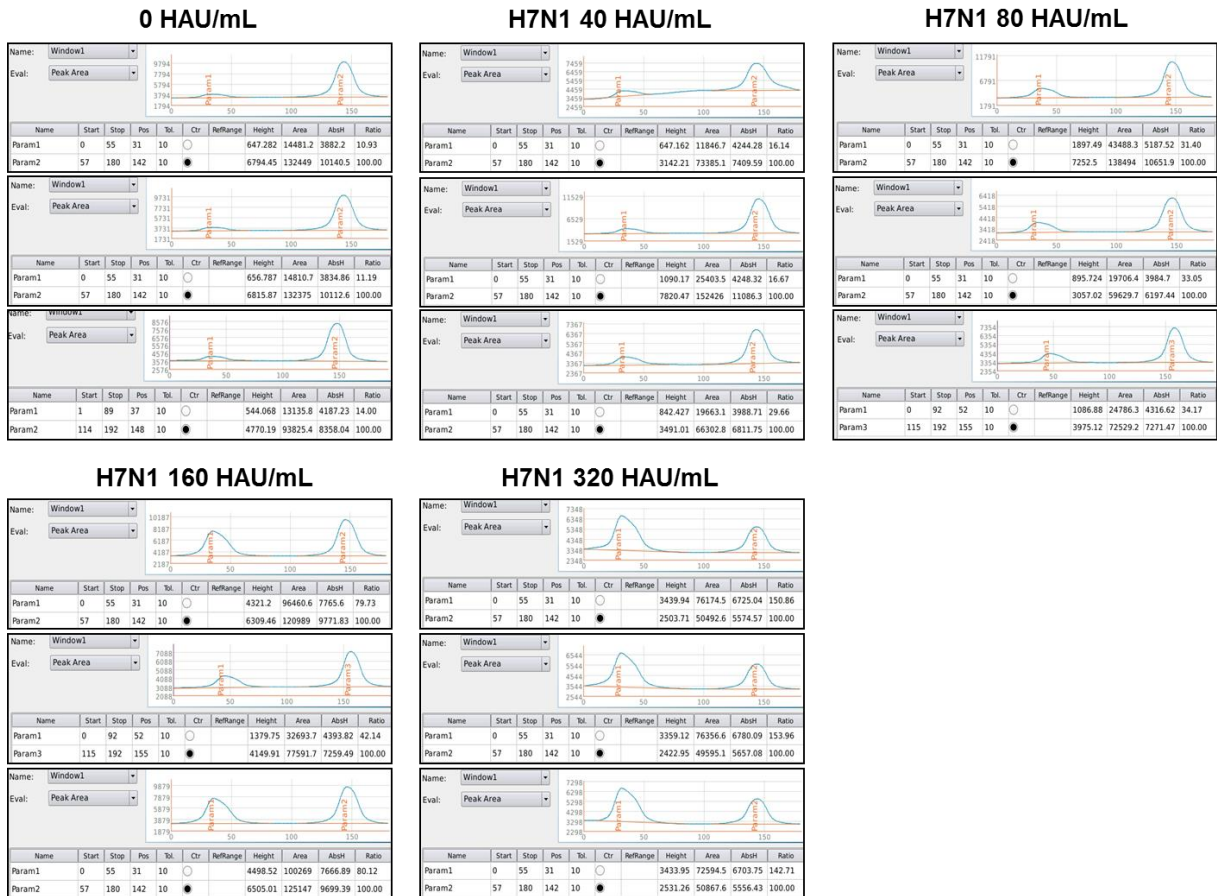


Figure S1. Effect of Europium nanoparticle on FICT targeting influenza A NP. Anti-influenza NP (3G6) was conjugated with Eu NP and tested in the strip which was coated with anti-influenza NP (Medix Biochemica Inc., Espoo, Finland). Serial dilutions of a virus stock in DW were tested in the FICT assay for H7N1 (A) and H7N7 (B). Arrow indicates the LOD.

A



B



C



Figure S2. Performance of FICT to detect H7 subtype virus in clinical specimen. Virus was mixed in 1:100 ratio with human nasopharyngeal specimen instead of DW and tested in FICT (A). Raw FICT data showed the serial dilutions were tested in the FICT assay employing H7 subtype-specific antibodies (6D7/2F4) for H7N1 (B) and H7N7 (C). Arrow indicates the LOD.