



**Figure S2. Plate-based assay evaluated with HSA and OVA exhibits poor reproducibility.** (A) Evaluation of the plate-based ELISA assay with ovalbumin produced a modest correlation with the standard assay ( $r = 0.71$ ) and classification accuracy (88%) yet had high variation between repeats. (B) Variations between repeats were even more substantial for human serum albumin which produced a poor correlation ( $r = 0.17$ ) and poor classification accuracy (72%).