



**Supplementary Figure S4. Binding assay of phages 1, 2 and 3 to the VH1-69 U-CLL IgG of patient CLL#5.**

The purified VH1-69 U-CLL IgG (10ng/ $\mu$ l) of patient CLL#5 was immobilized on 96-well microplate and incubated with the phages p1, p2 or p3 at the indicated concentrations. The wild type (wt) M-13 phage was included as control. Phage binding was analysed by ELISA using the antibody anti-M13 HRP-conjugated and measured by absorbance (Ab) at 405 nm. Absorbance values are reported as the mean  $\pm$  SEMs of 3 independent experiments.