



Supplementary figure1. Reiber diagram showing $Q_{\text{trep IgG}}$ (white circle) and $Q_{\text{total IgG}}$ (black circle) from NS1 (A, B) and NS2 (C) patients with (B) or without Blood Brain Barrier disruption (A,C).

The thick hyperbolic lines represent $Q_{\text{Low}}(\text{IgG})$ and $Q_{\text{Lim}}(\text{IgG})$ calculated according to $Q_{\text{Lim}} \text{IgG} = 0.93 \times \sqrt{(Q_{\text{alb}}^2 + 6 \times 10^{-6})} - 1.7 \times 10^{-3}$ and thin hyperbolic lines represent IgG fraction produced in CSF. The vertical line represents the **limits** of the albumin-quotient calculated for age >4 years according to $Q_{\text{Lim}} \text{Alb} = (4 + \text{age}/15) \times 10^{-3}$