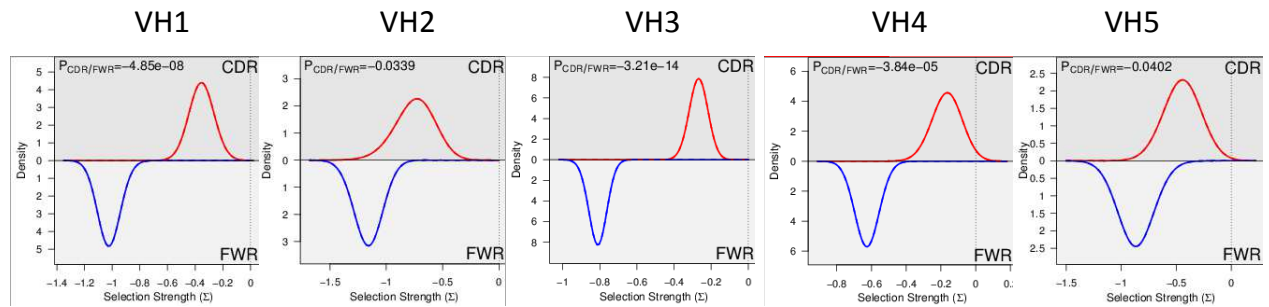


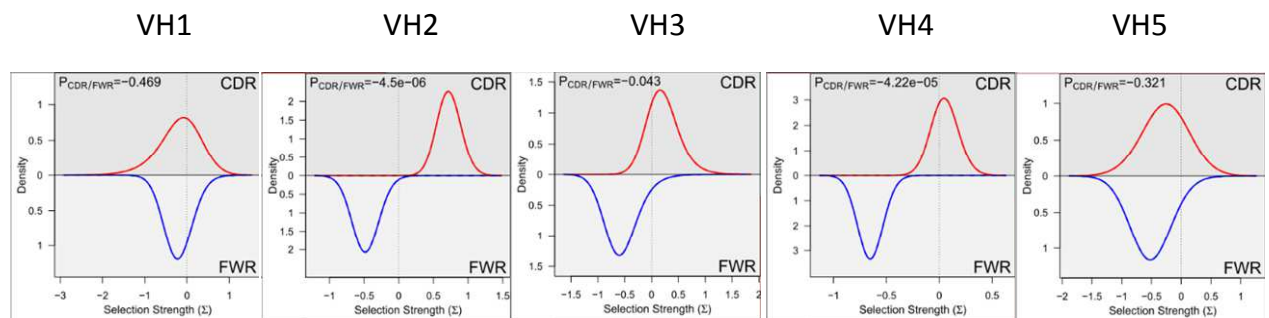
Supplemental Figure 1: Quantitative PCR of IgM transcripts shows strong correlation between the cycle threshold of V_H forward primers and the germline frequency of the corresponding V_H family

The x-axis shows the naturally occurring frequency due to germline configuration. On the y-axis, the cycle threshold value (Ct) in the quantitative IgM PCR is shown. Overall, we observed a high correlation between germline frequency and order of appearance in the qPCR.

Allergic asthma



Atopic dermatitis



Supplemental Figure 2: Antigen-selection strength of IgE-transcripts (assessed by BASELINE) differs between allergic asthma and atopic dermatitis

IgE transcripts from children with allergic asthma showed significant negative selection strength for framework regions (FWR) and for complementarity determining regions (CDR). In the atopic dermatitis group, no positive CDR selection strength was detected for any V_H family but IGHV2.