w24 P1G03 w24 P1E11 FIG. S8 Heavy and light chain variable region sequences of antibody lineages isolated from SCIV-infected RMs. (A, B) Heavy (H, panel A) and light (lambda [L] and kappa [K], panel B) chain variable region sequences of mature lineage members isolated from RMs T927 and T925 (listed on the left) are aligned to the deduced amino acid sequences of their respective germline variable (V), diversity (D), and joining (J) genes (indicated on the top). Framework (FR) and complementary determining regions (CDR) are color coded, with HCDR1 and LCDR1, HCDR2 and LCDR2, and HCDR3 and LCDR3 highlighted in blue, pink and red, respectively. Predicted sulfated tyrosines in the HCDR3 region (using the GPS-TSP 1.0 software at a high threshold setting) are highlighted in yellow (98). Expanded lineages (listed on the left) were identified using SONAR's automated "unseeded" lineage assignment tool, followed by manual inspection of gene assignments, HCDR3 regions, and non-templated nucleotides to confirm membership (Genbank accession numbers are listed in Table S2E at https://doi.org/10.6084/m9.figshare.21644675).