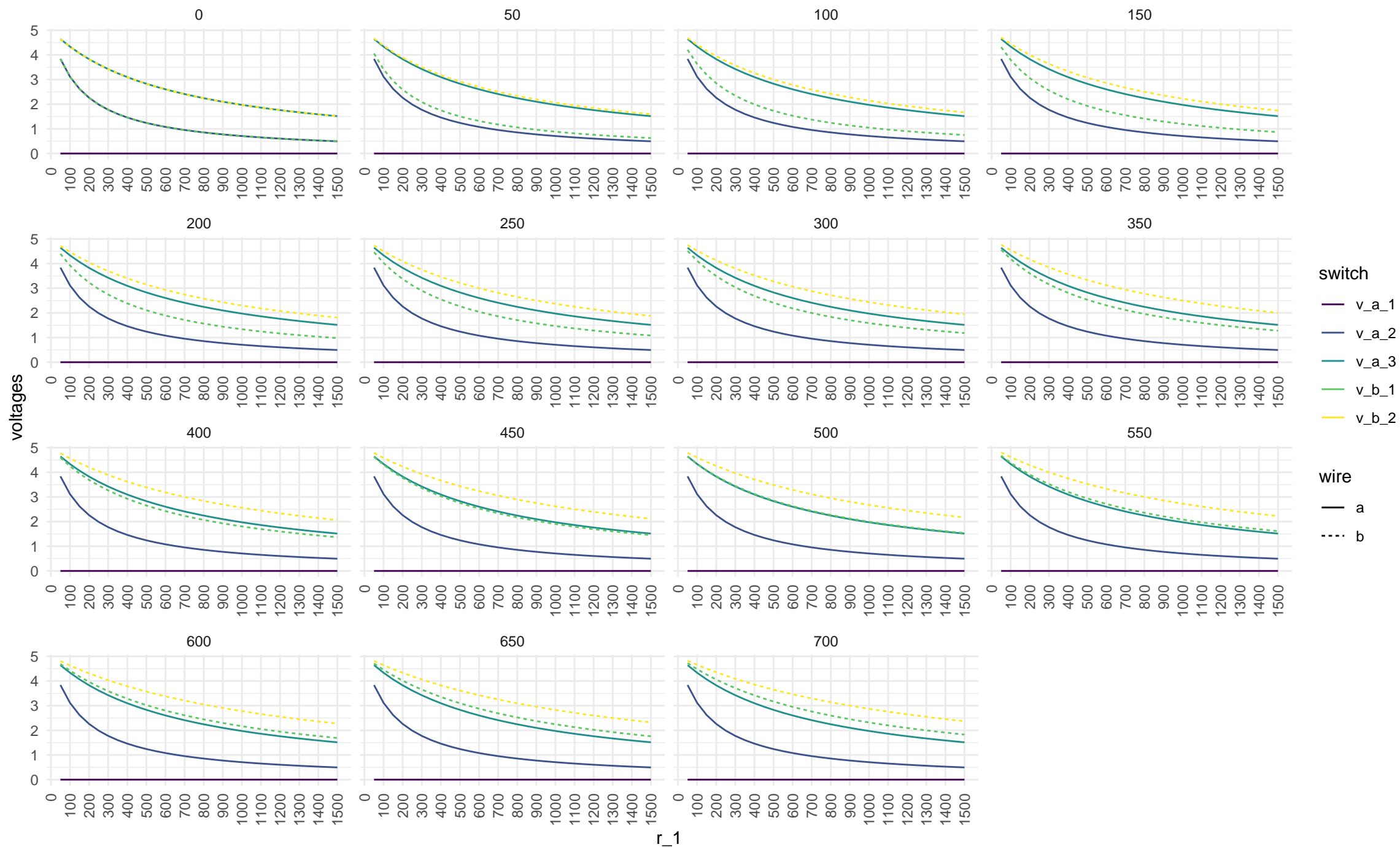


Voltages produced by switches relative to R1 and R extra on wire B.
Separate panels show values of R extra, which is added in series with wire B.



The best values to choose are ones that produce the most spread-apart voltage on the 5 switch states, in my case I'm going for R1=600ohm and Rextra=300ohm