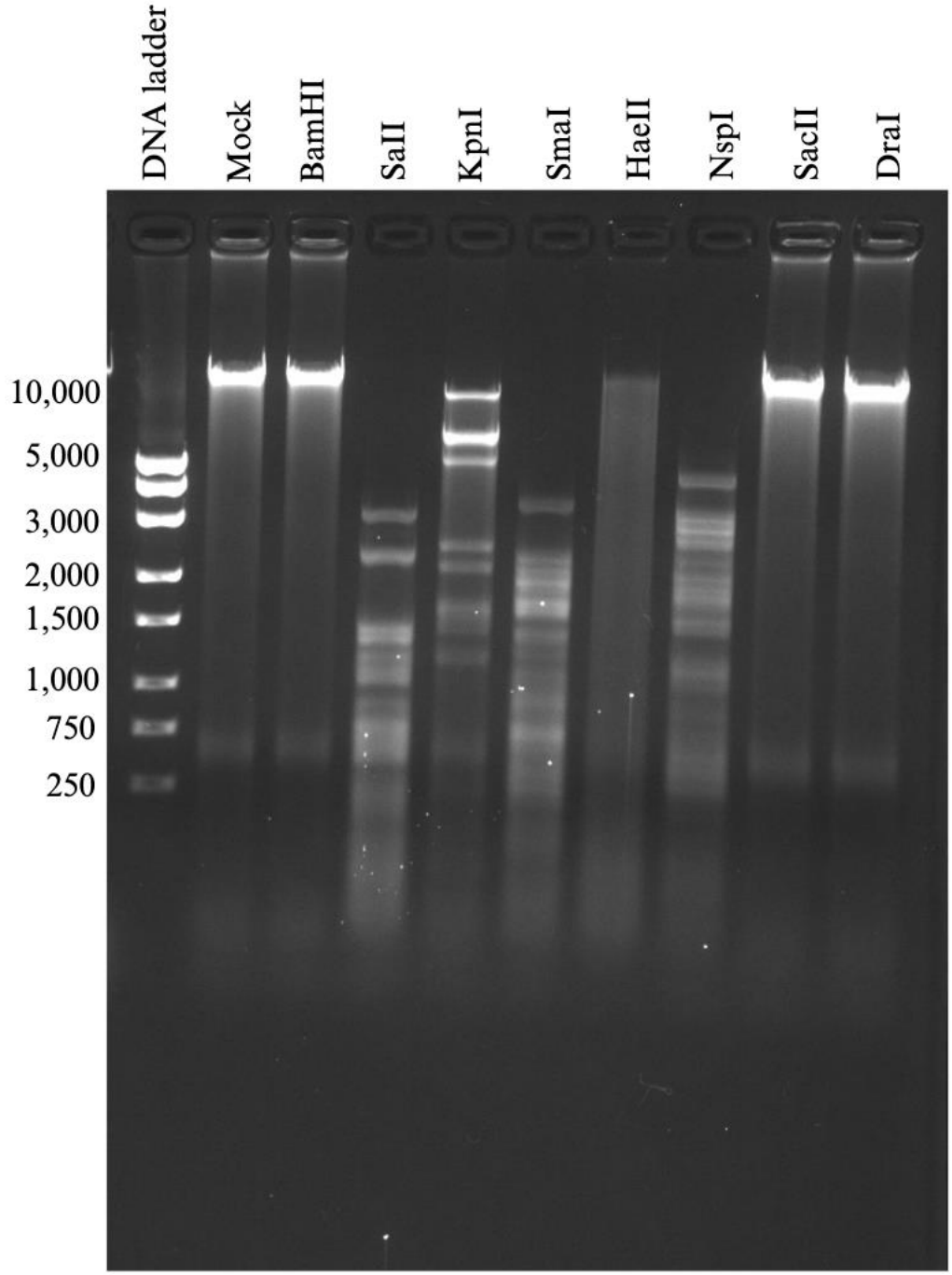

Agarose gel image of Meemers' restriction digest. Two master mixes were prepared using either FD buffer or CutSmart buffer. To each mixture, H2O, phage DNA, restriction enzyme buffer, and RNase was added. The mock (no enzyme), BamHII, SaII, KpnII, and SmaI restriction enzymes belonged to the FD buffer mixture. The HaeIII, NspI, SacII, DraI enzymes belonged to the CutSmart buffer. After heating the phage genomic DNA, loading dye was added to each tube. 5ul of DNA ladder was added to the 1st well of an agarose gel, followed by the mock, and the rest of the restriction enzymes labeled. The gel ran for 60 minutes at 110V and was imaged using the Biorad imager.