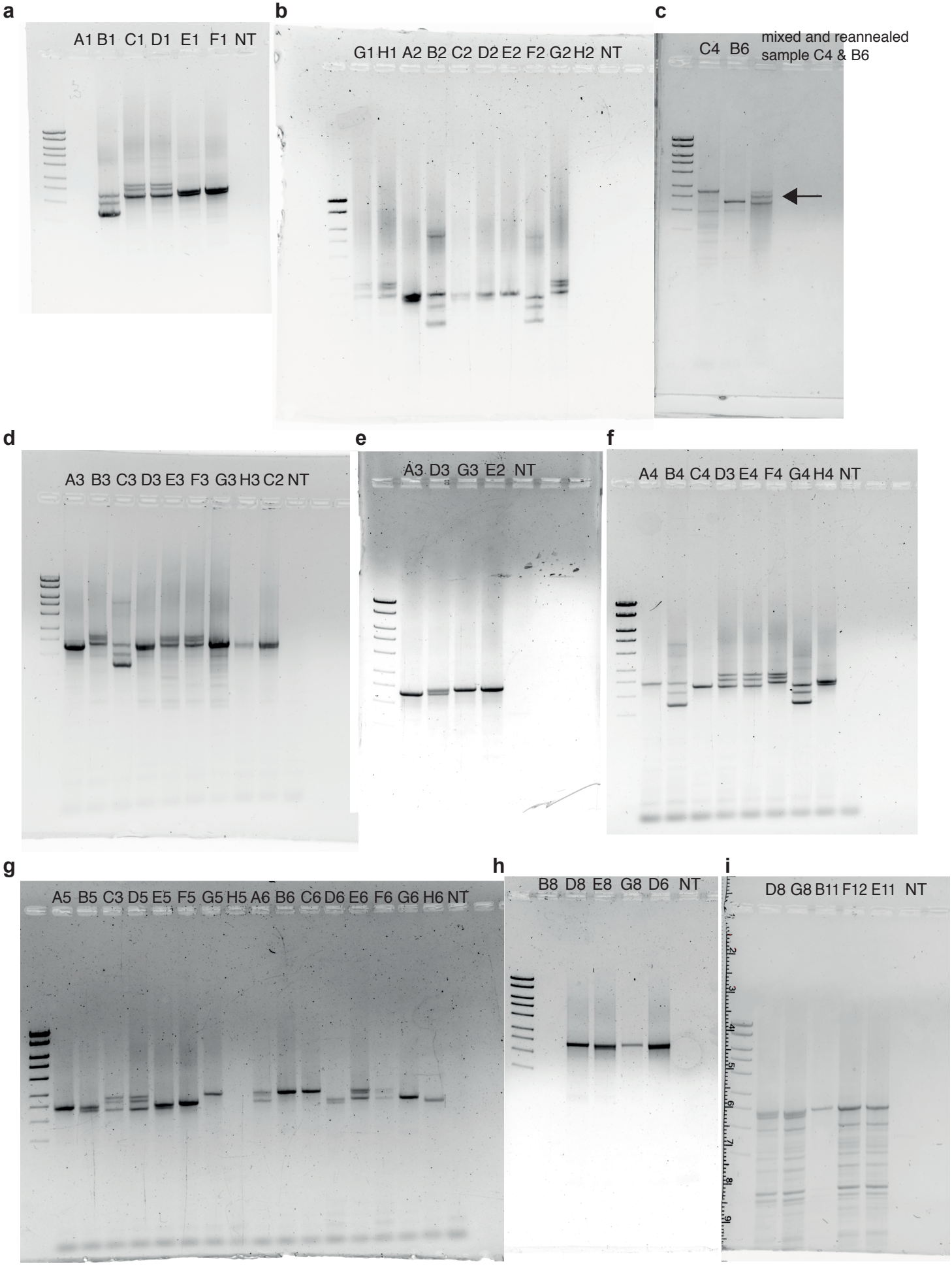
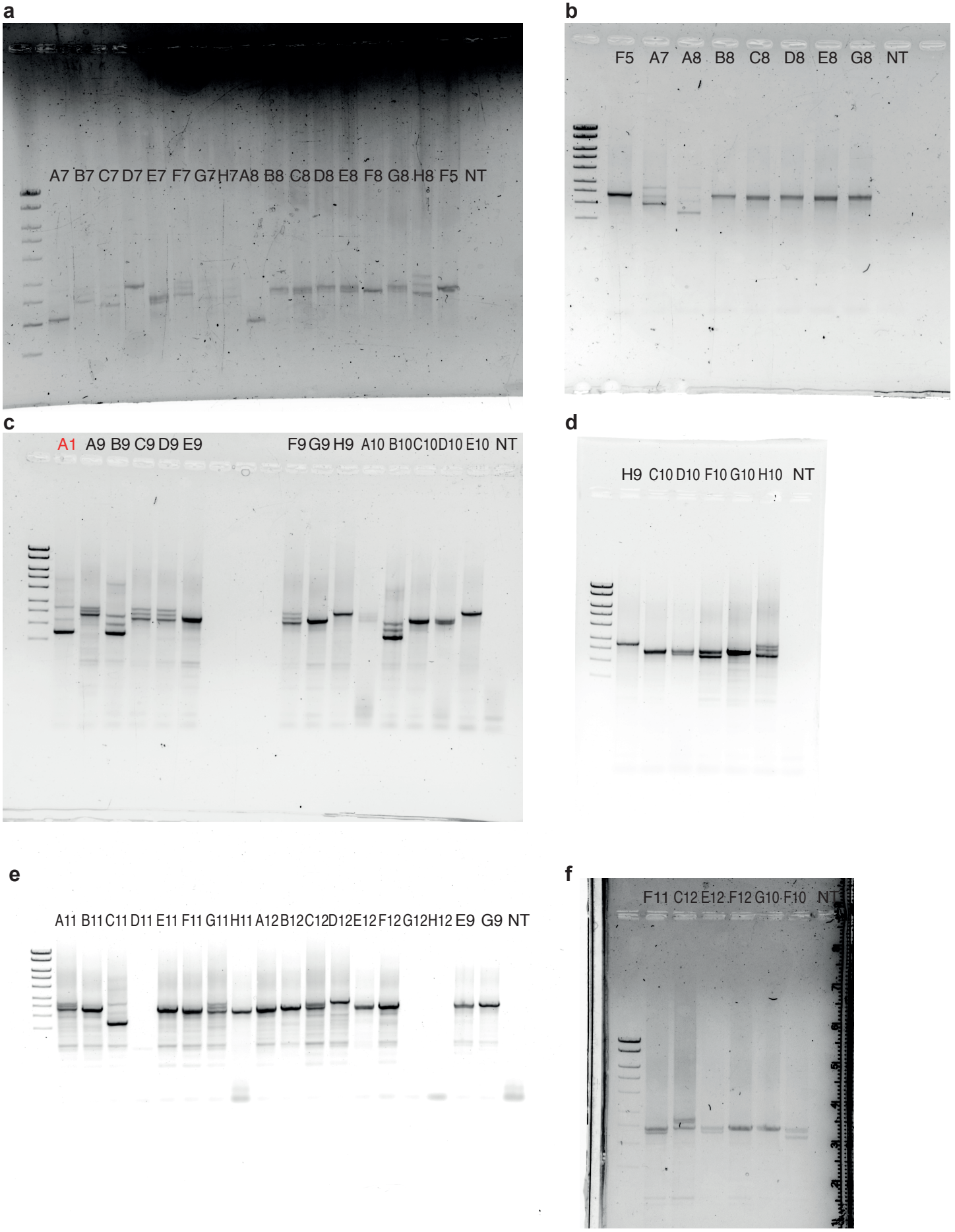
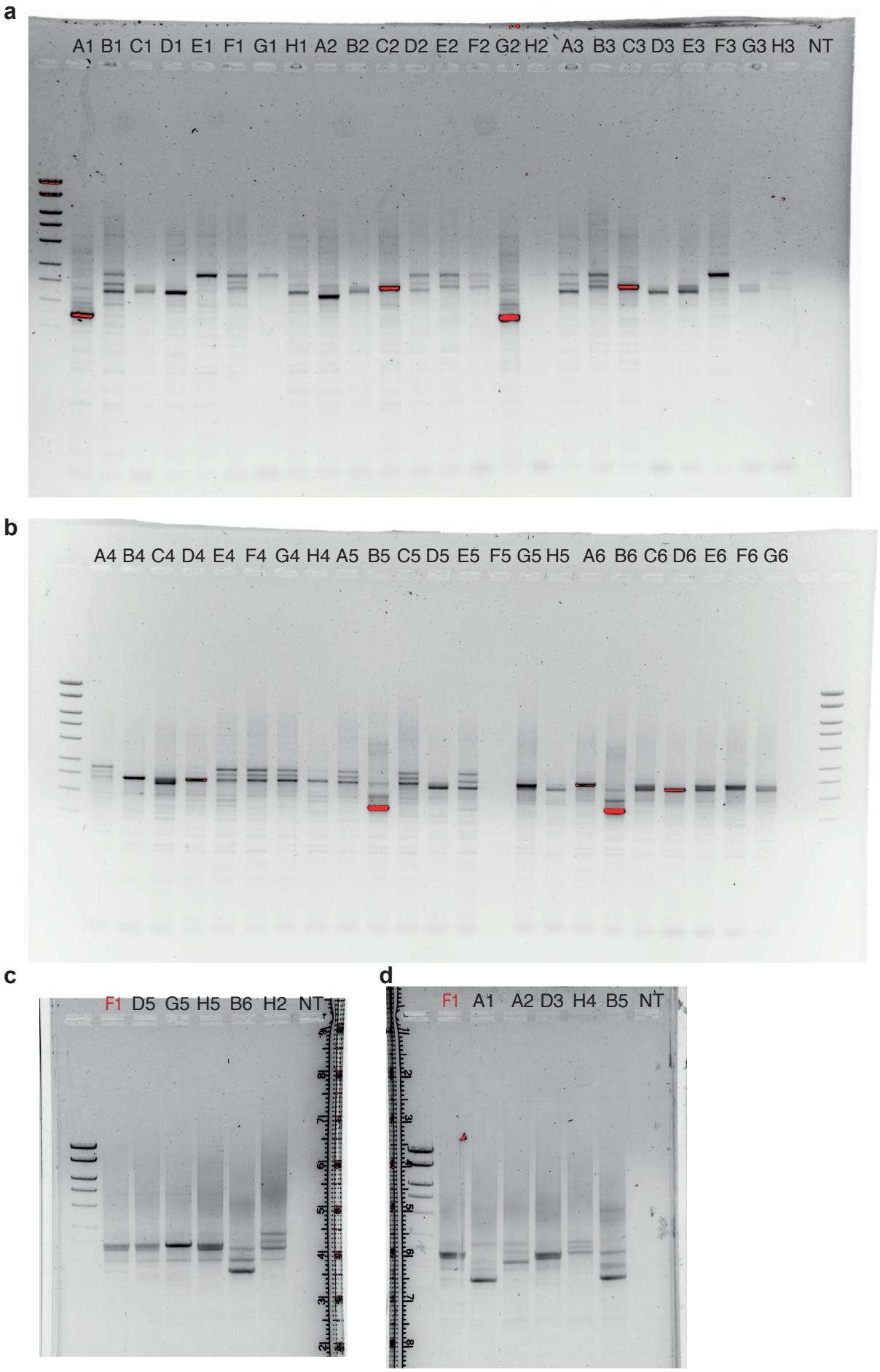


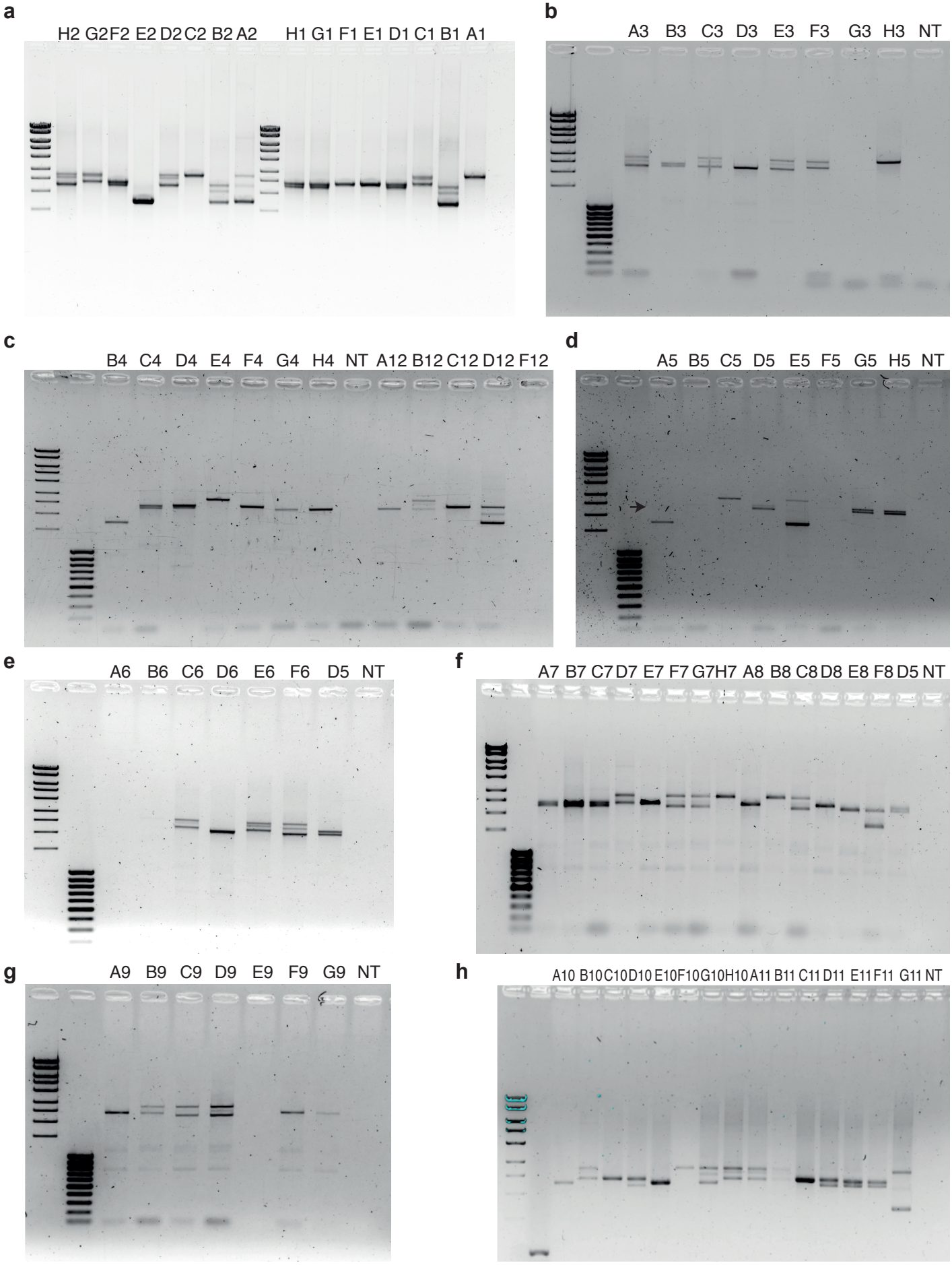
Supplemental File S1.1: Electrophoresis gels with amplicons for BCKDK-SVA. a-i, gels shown for PCR amplification of region chr16:31,103,547-31,105,803 (GRCh38 assembly) with DNA samples from plate NDPT083 (Coriell Biorepository). Location on 96-well plate shown on top. **c** shows that when the small and large SVA variant are combined, a third intermediate-sized product appears (arrow). MassRuler high range DNA ladder (Thermo Scientific) in leftmost lane. NT = no template.



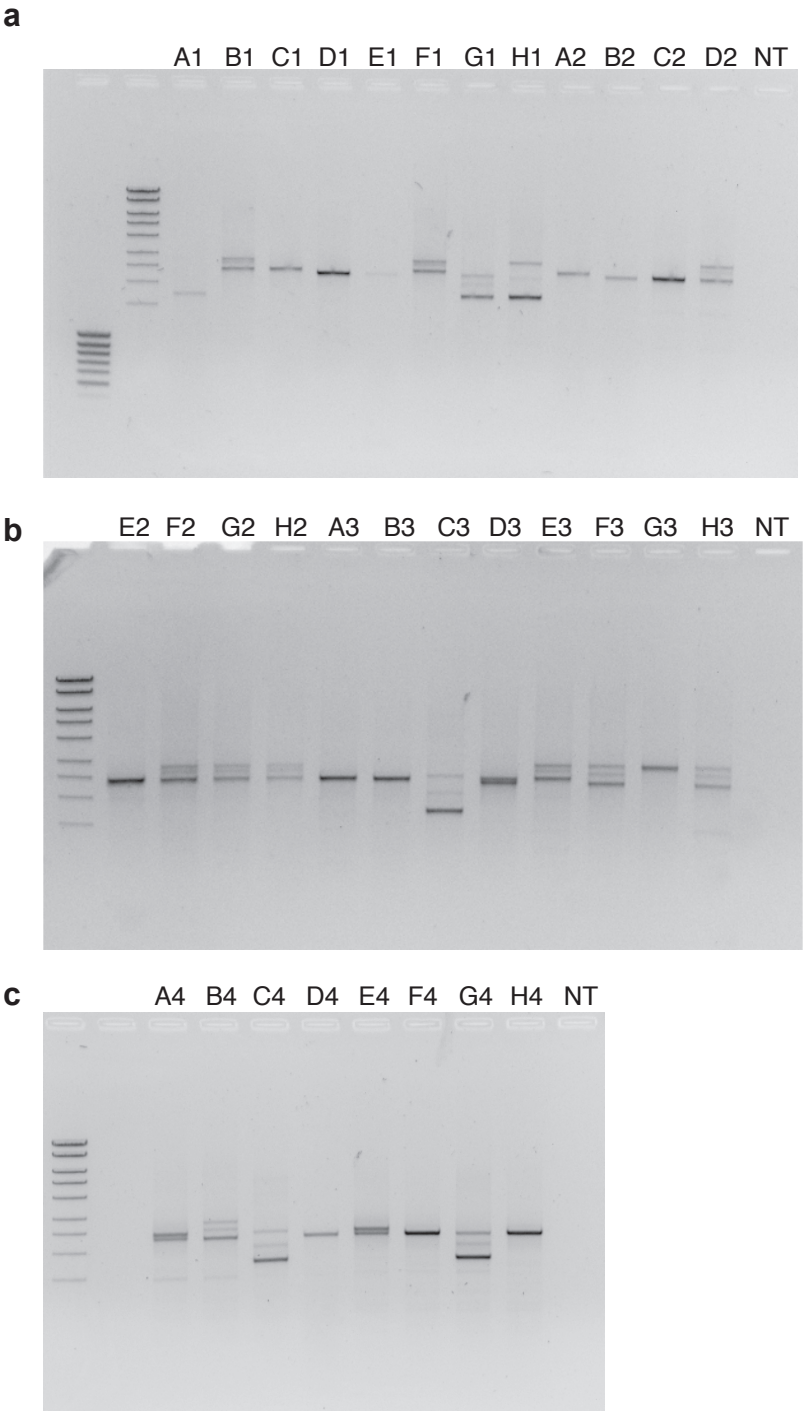
Supplemental File S1.2: Electrophoresis gels with amplicons for BCKDK-SVA. a-f, gels shown for PCR amplification of region chr16:31,103,547-31,105,803 (GRCh38 assembly) with DNA samples from plate NDPT083 (Coriell Biorepository). Location on 96-well plate shown on top. In red, sample from centenarian DNA set is highlighted and used as control. MassRuler high range DNA ladder (Thermo Scientific) in leftmost lane.



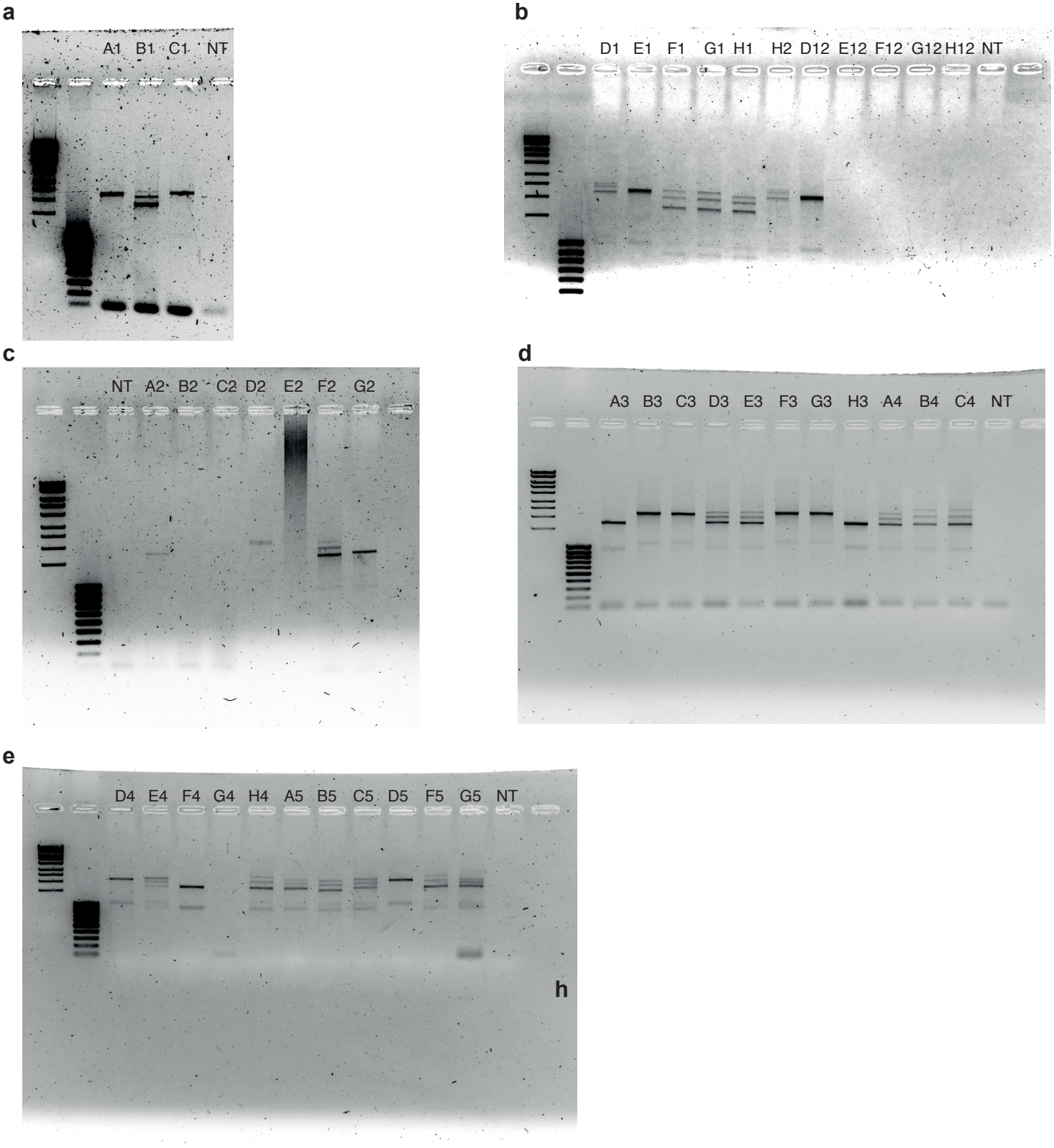
Supplemental File S1.3: Electrophoresis gels with amplicons for BCKDK-SVA. a-d, gels shown for PCR amplification of region chr16:31,103,547-31,105,803 (GRCh38 assembly) with DNA samples from plate NDPT087 (Coriell Biorepository). Location on 96-well plate shown on top. In red, sample from plate NDPT083 is highlighted and used as control. MassRuler high range DNA ladder (Thermo Scientific) in leftmost (**a**-**d**) and rightmost (**b**) lane(s).



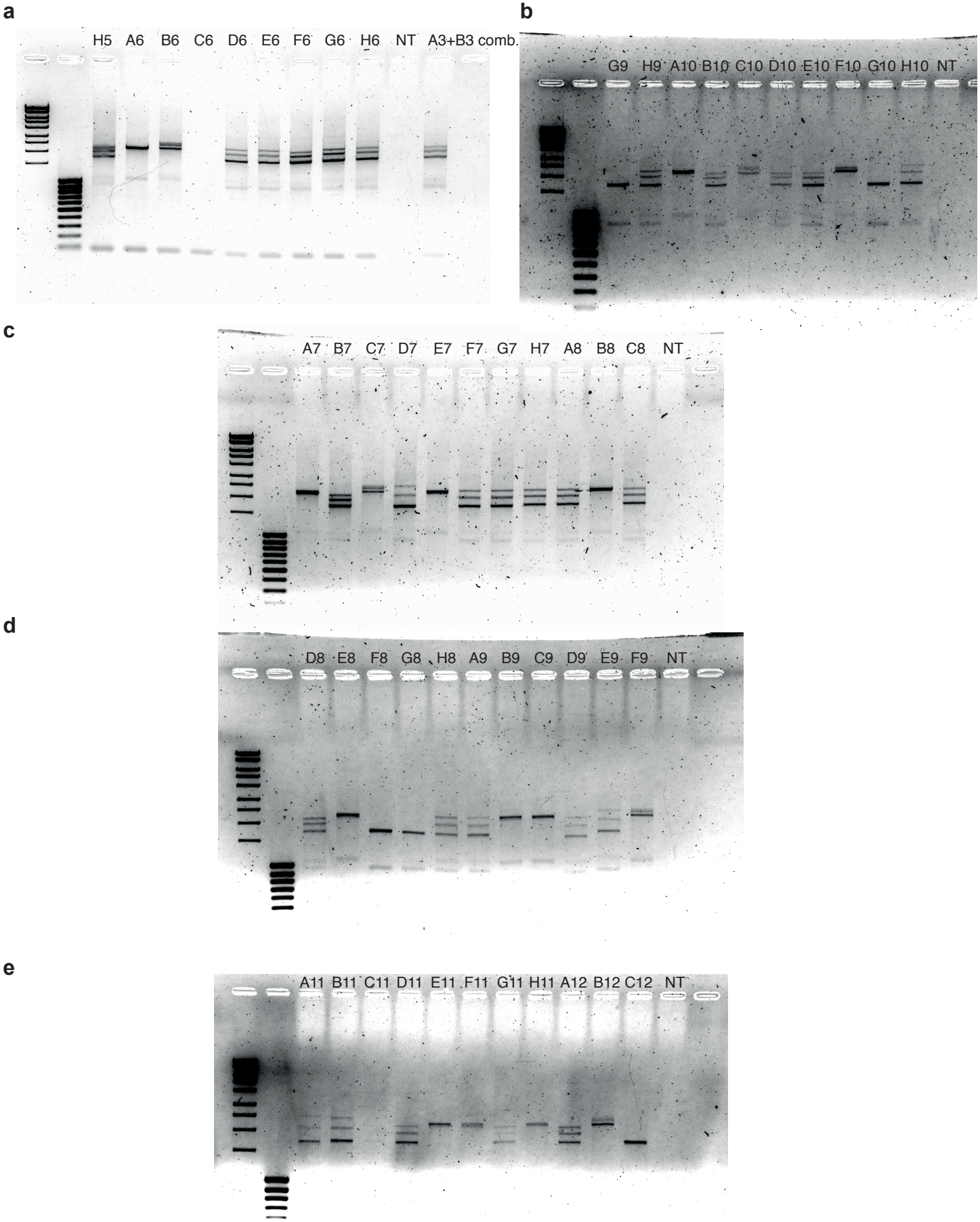
Supplemental File S1.4: Electrophoresis gels with amplicons for BCKDK-SVA. a-h, gels shown for PCR amplification of region chr16:31,103,547-31,105,803 (GRCh38 assembly) with DNA samples from plate NDPT088 (Coriell Biorepository). Location on 96-well plate shown on top. MassRuler high (and low (**b-h**)) range DNA ladder (Thermo Scientific) in leftmost lane(s).



Supplemental File S1.5: Electrophoresis gels with amplicons for BCKDK-SVA. a-c, gels shown for PCR amplification of region chr16:31,103,547-31,105,803 (GRCh38 assembly) with DNA samples from centenarians (100-plus study). Location on 96-well plate shown on top. MassRuler high (and low (**a**)) range DNA ladder (Thermo Scientific) in leftmost lane(s).



Supplemental File S1.6: Electrophoresis gels with amplicons for BIN1-SVA. a-e, gels shown for PCR amplification of region chr2:127,118,846-127,120,589 (GRCh38 assembly) with DNA samples from plate NDPT088 (Coriell Biorepository). Location on 96-well plate shown on top. MassRuler high and low range DNA ladder (Thermo Scientific) in leftmost lanes.



Supplemental File S1.7: Electrophoresis gels with amplicons for BIN1-SVA. a-e, gels shown for PCR amplification of region chr2:127,118,846-127,120,589 (GRCh38 assembly) with DNA samples from plate NDPT088 (Coriell Biorepository). Location on 96-well plate shown on top. MassRuler high and low range DNA ladder (Thermo Scientific) in leftmost lanes.