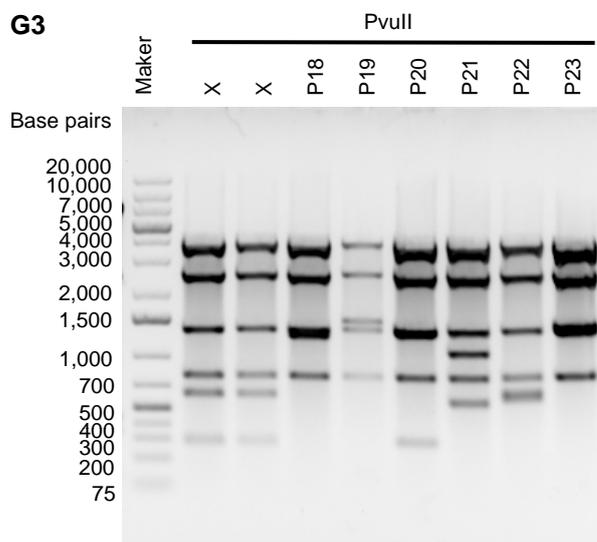
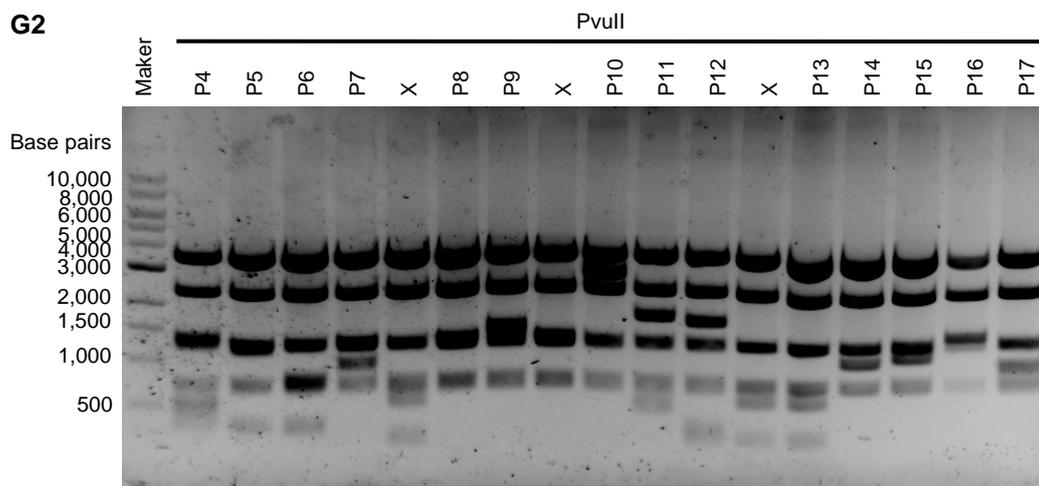
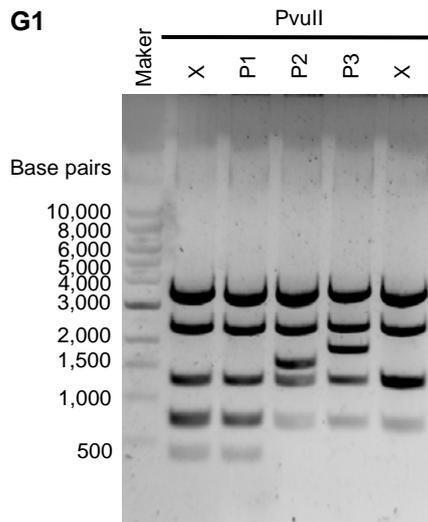
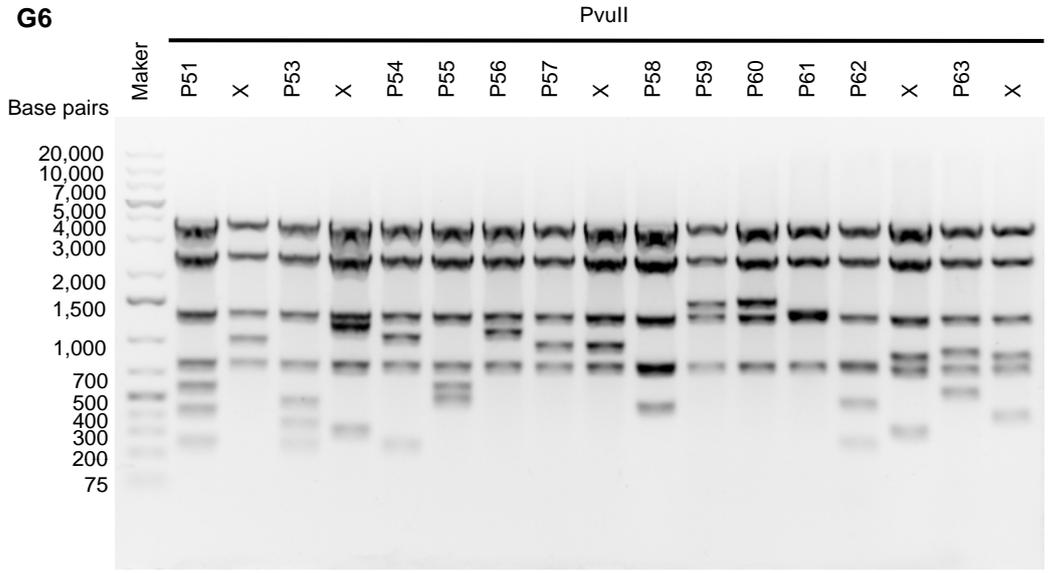
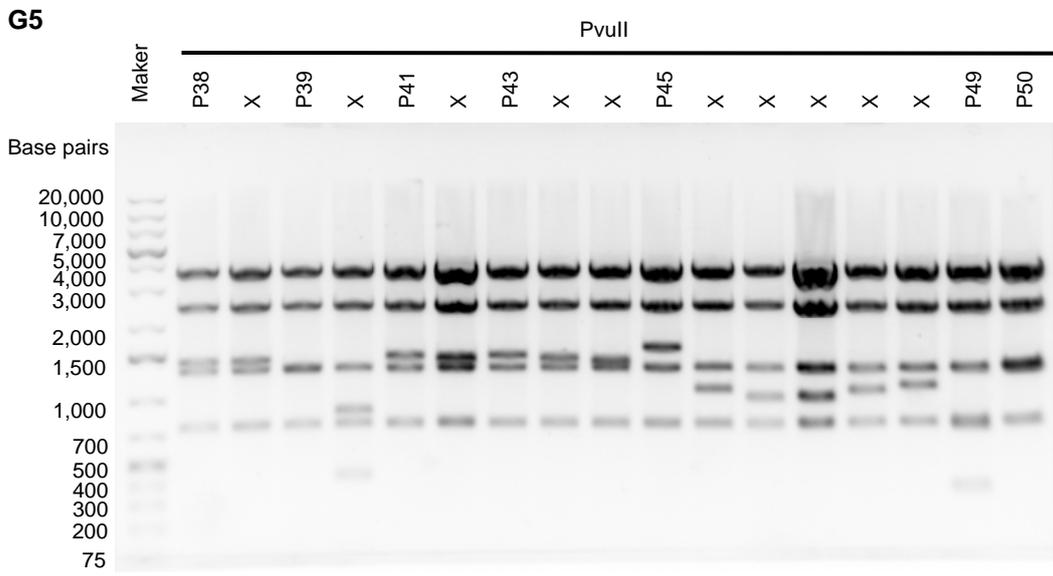
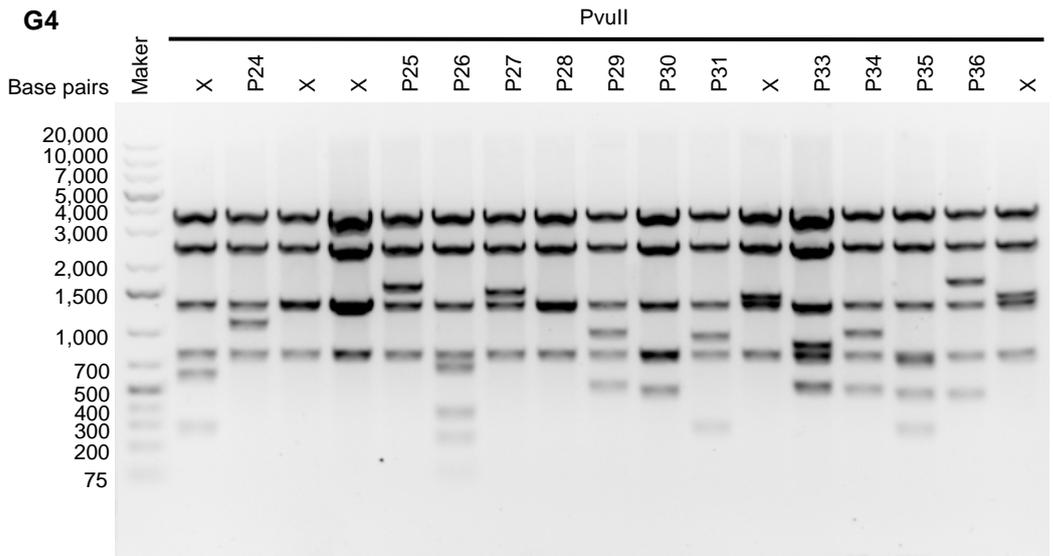
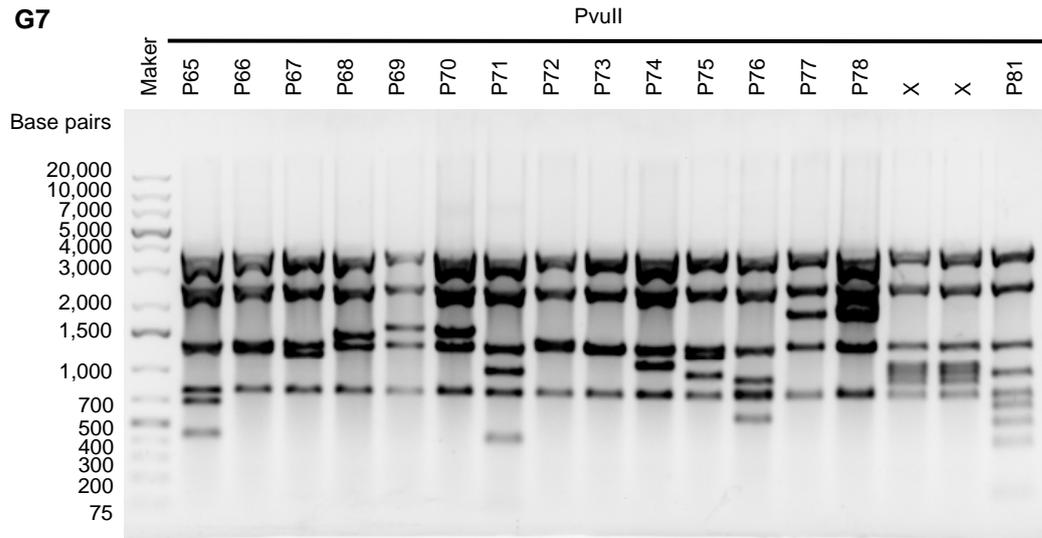


Supplemental Figure S4

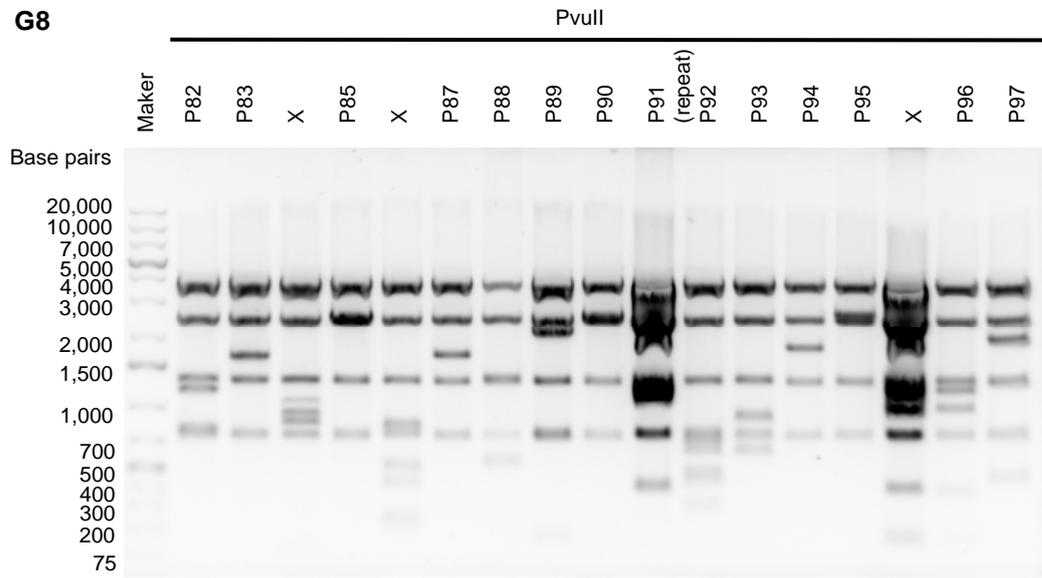




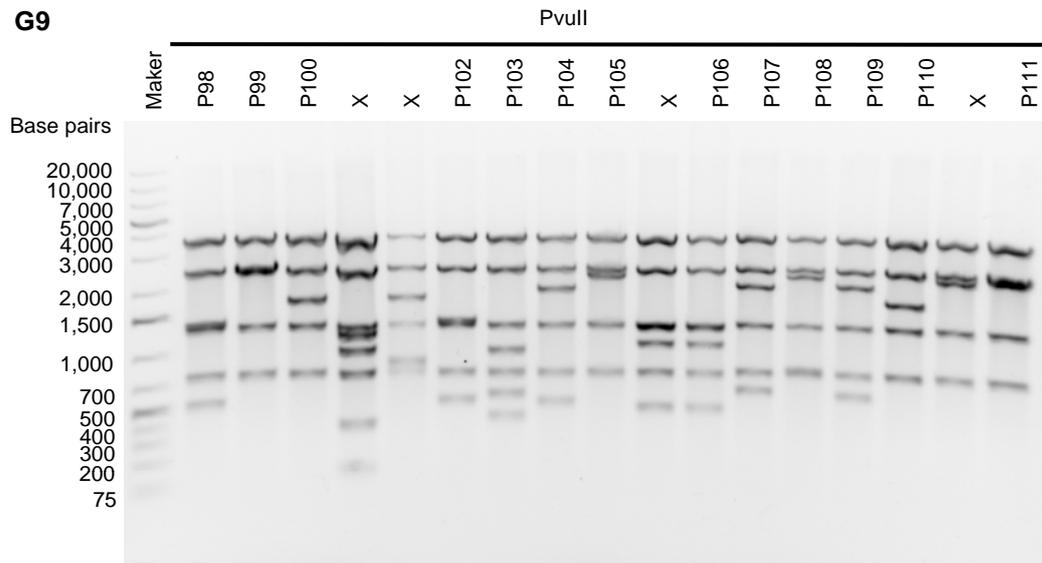
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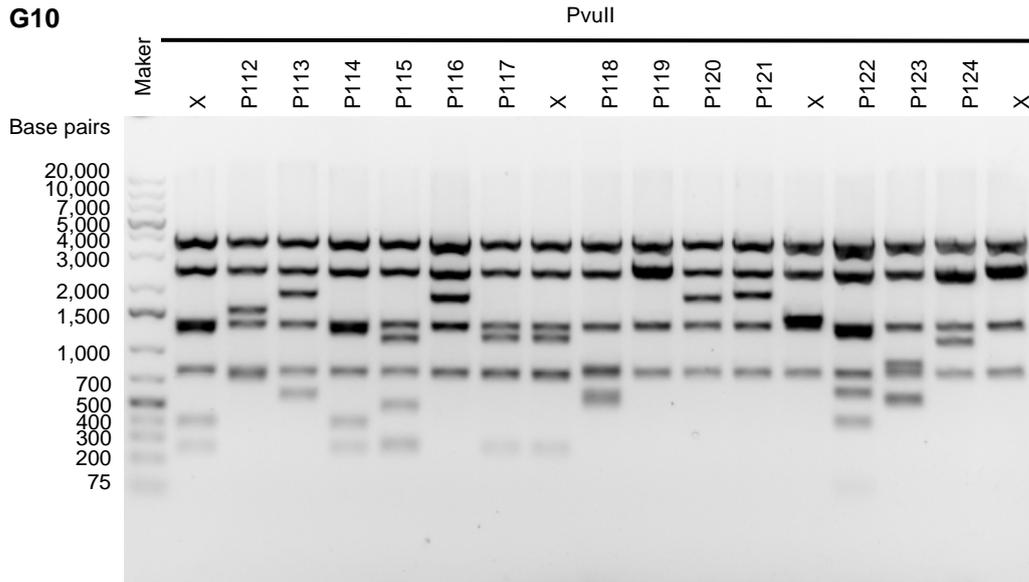
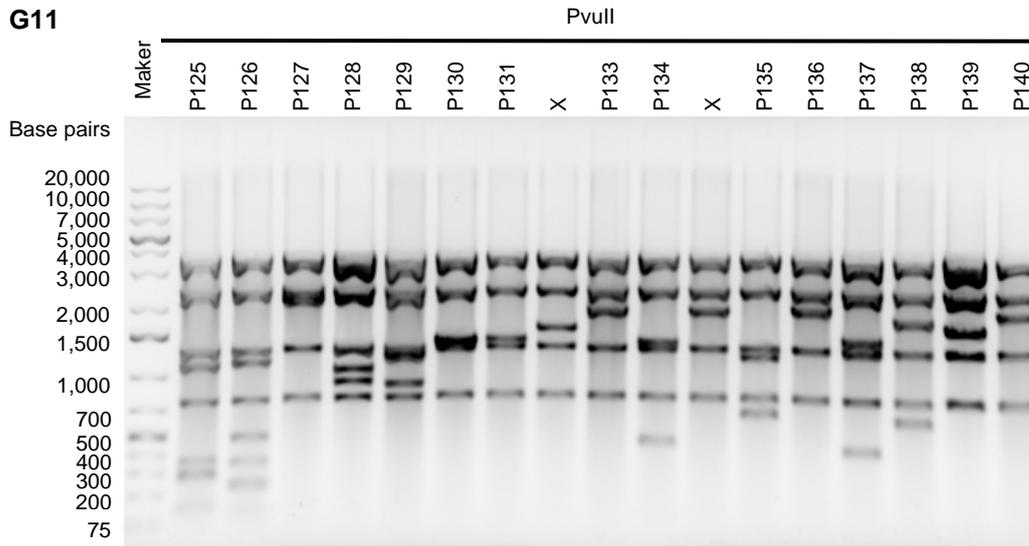
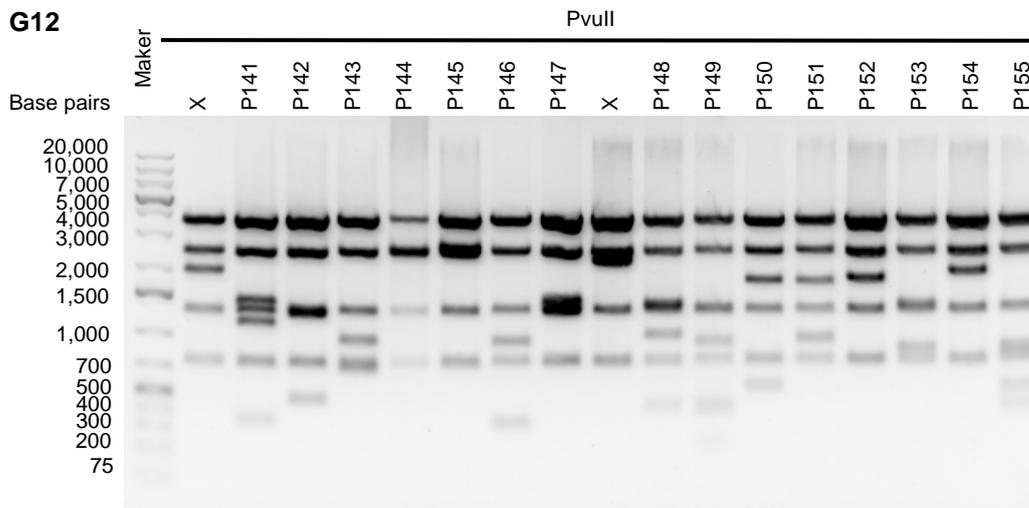


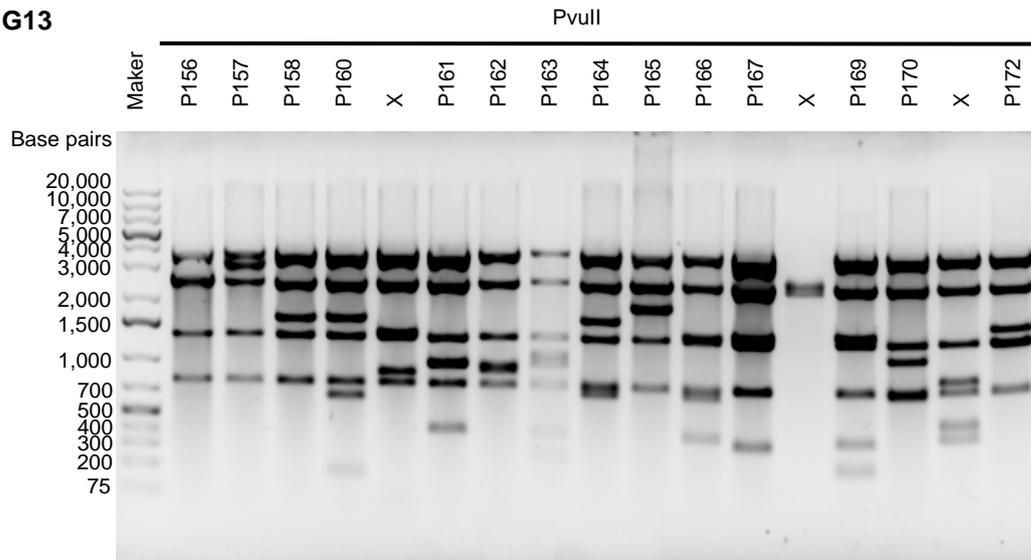
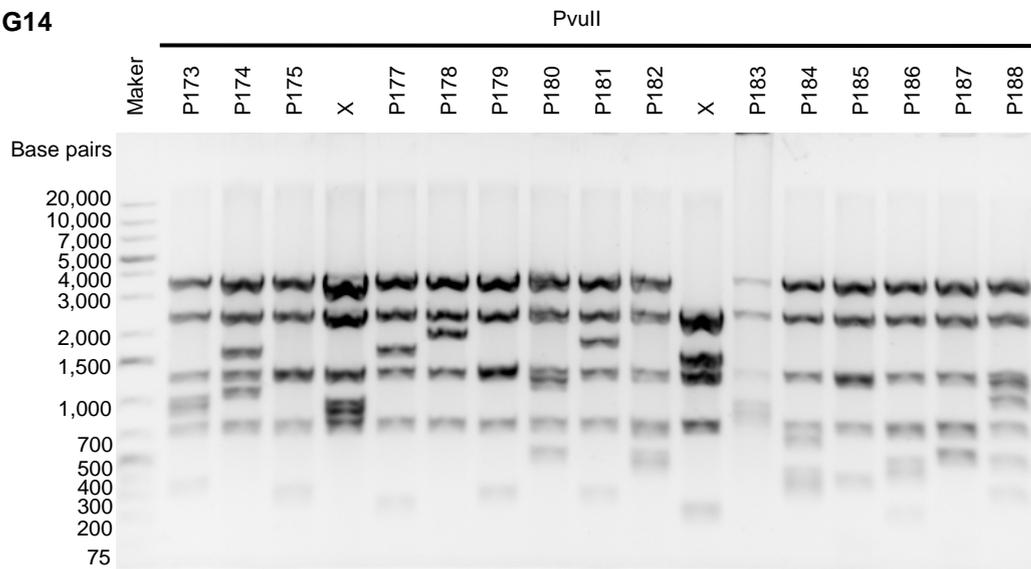
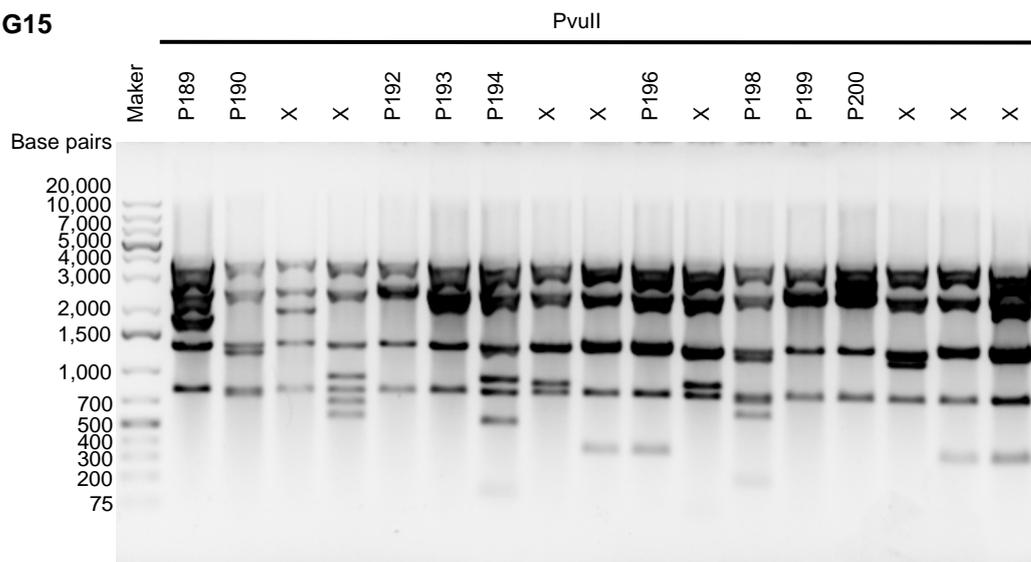
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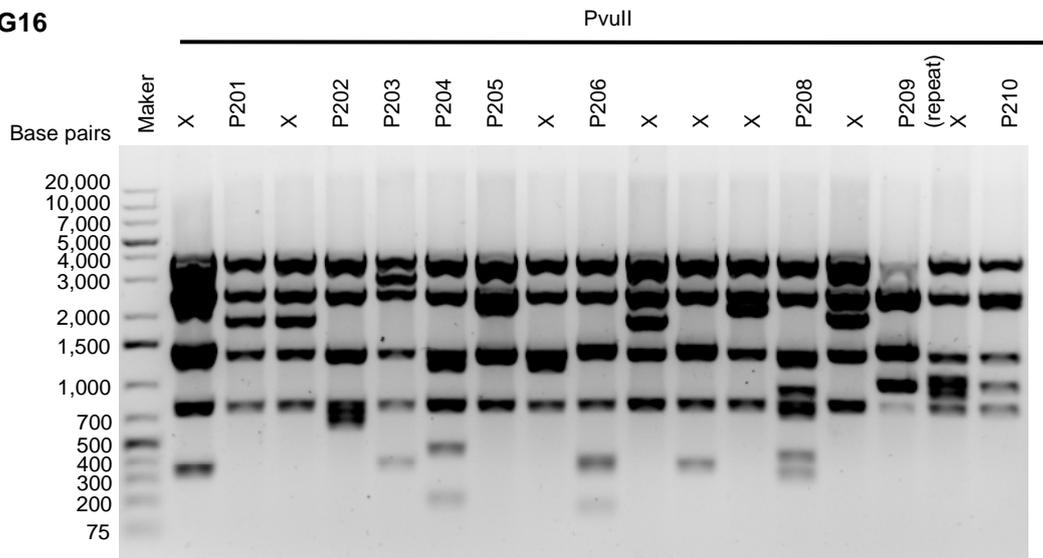
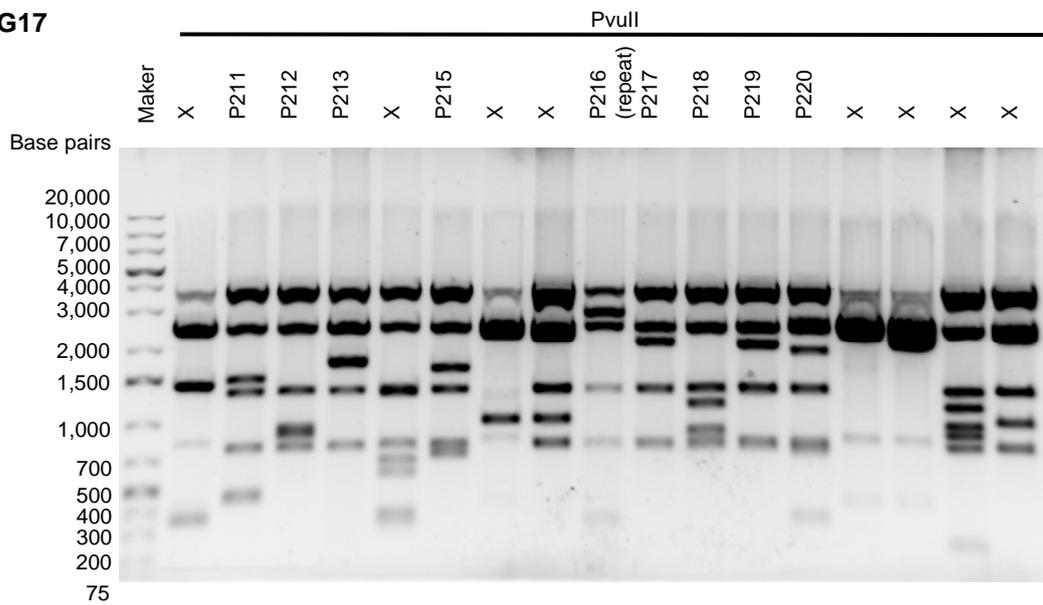
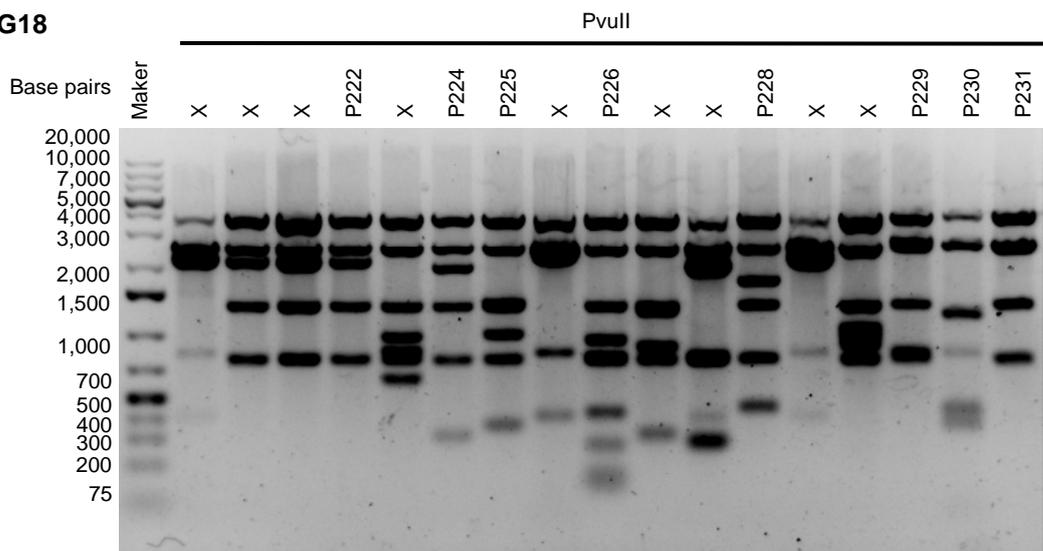


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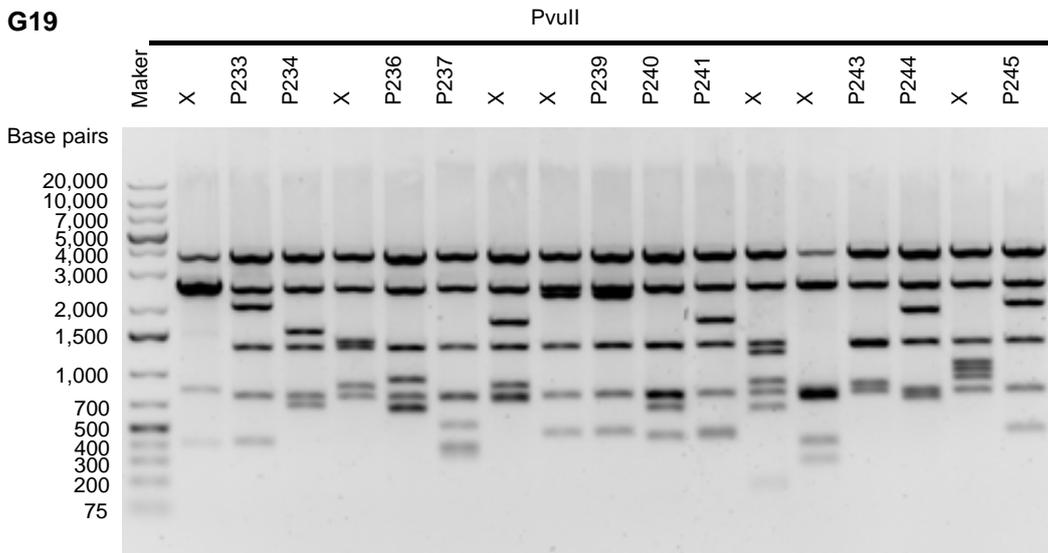


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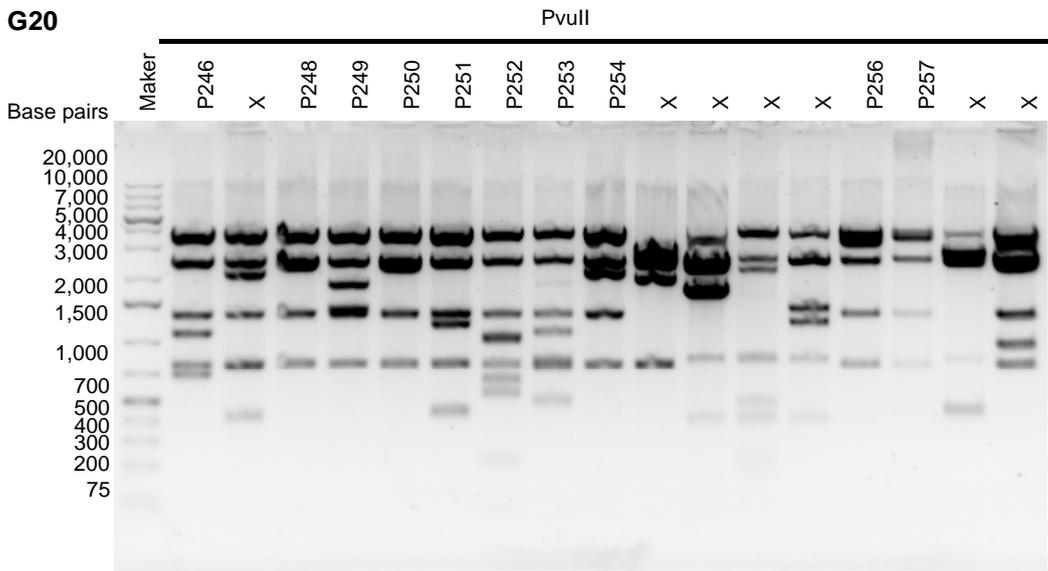
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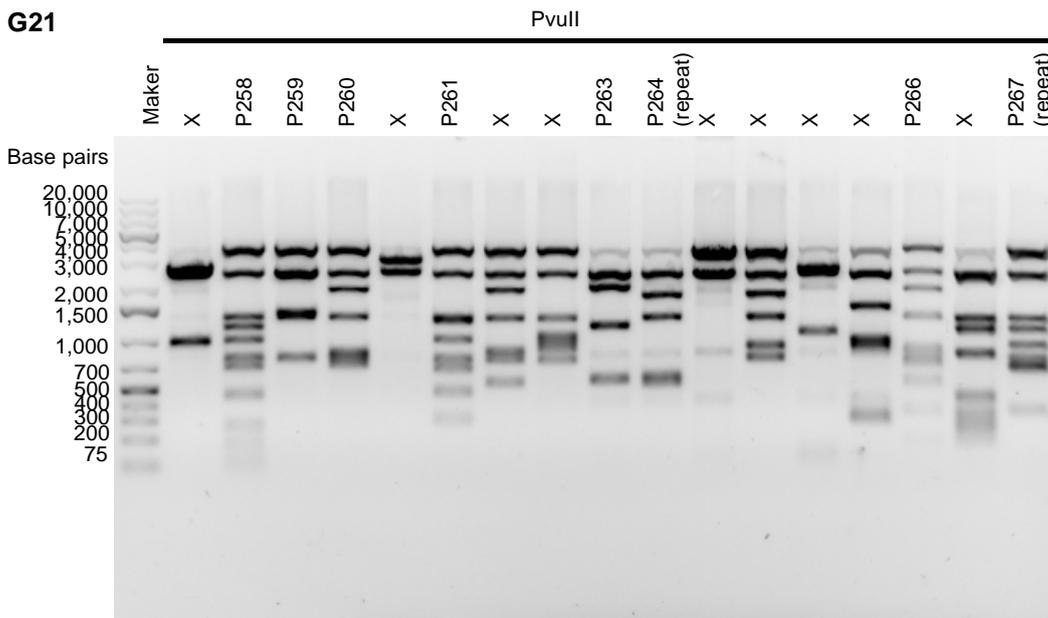
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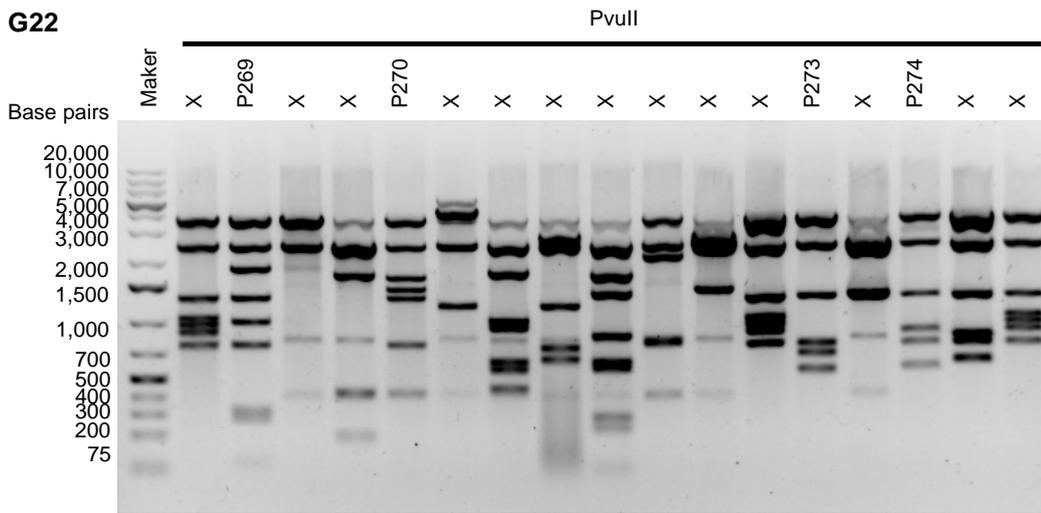
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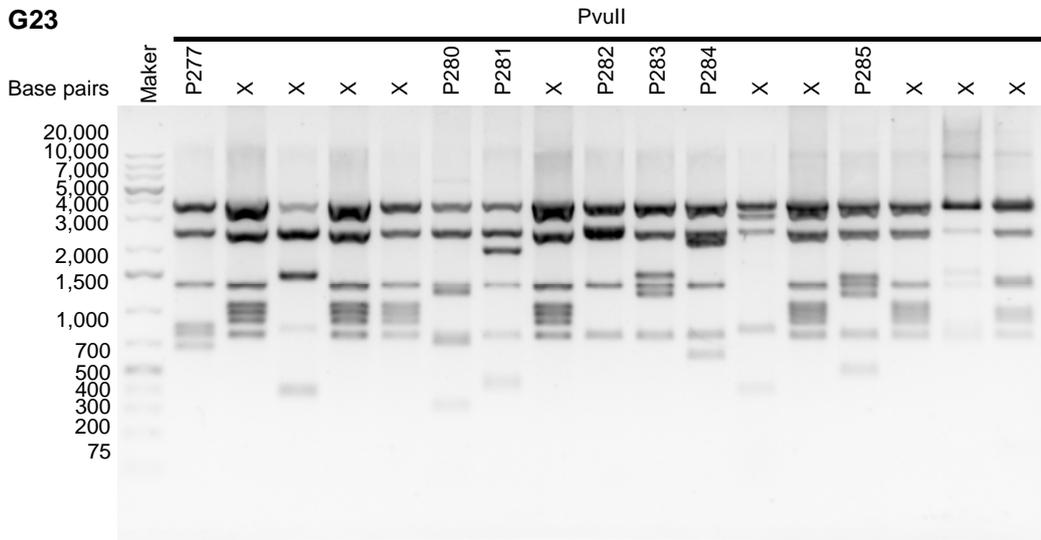
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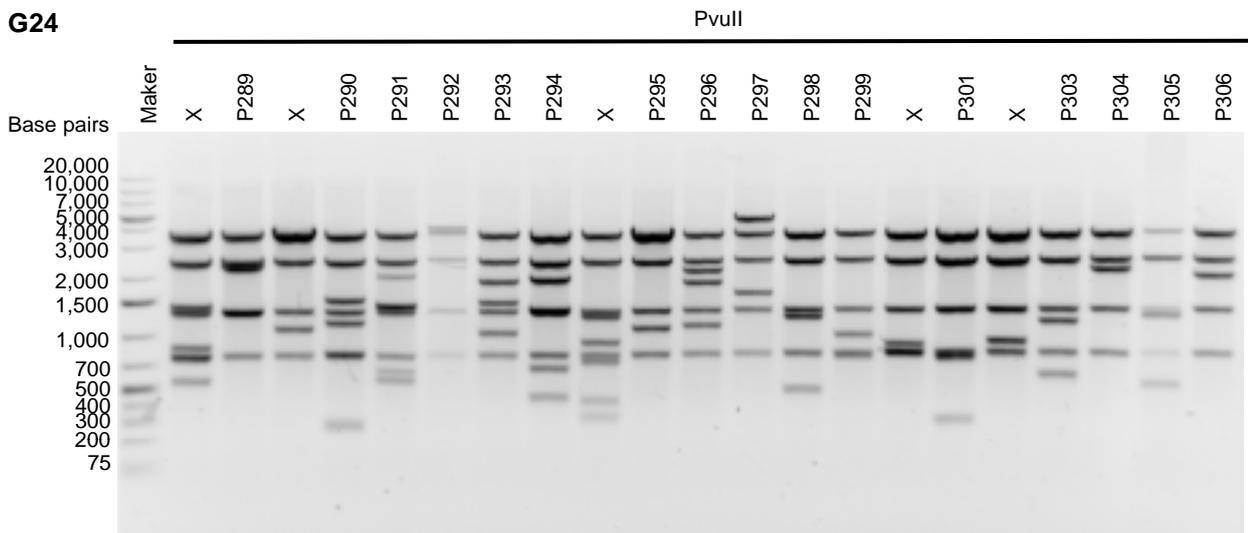
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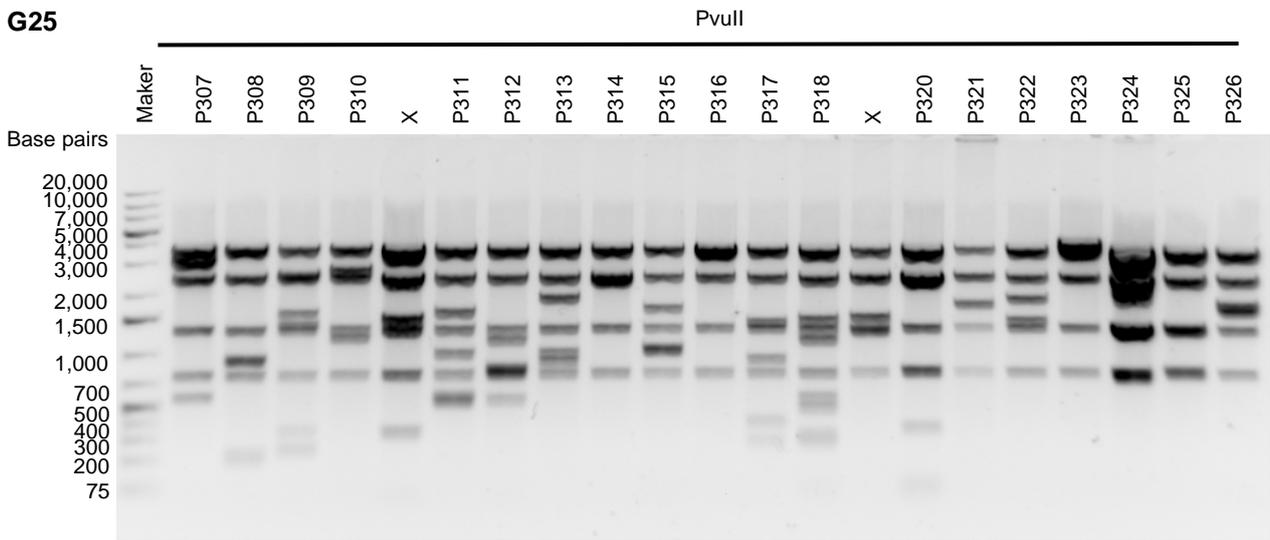
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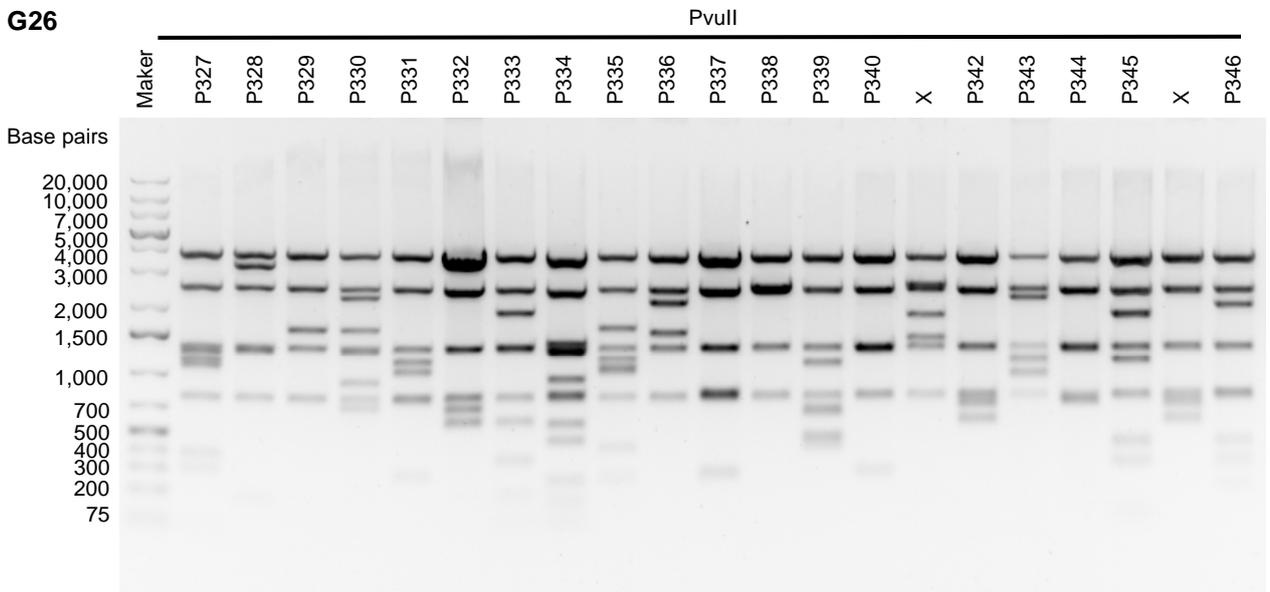
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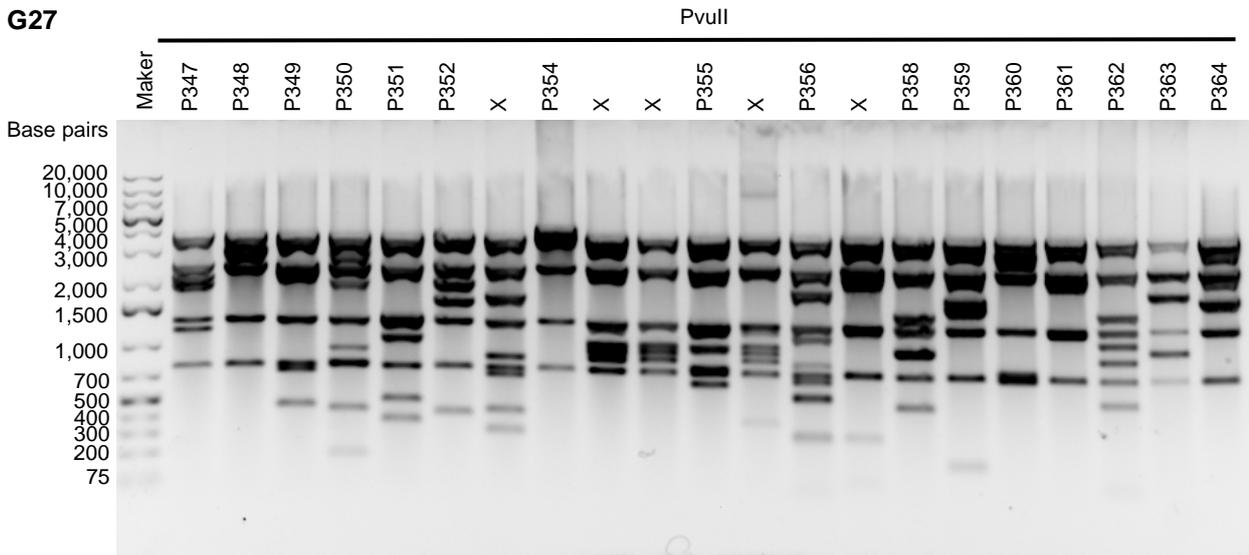
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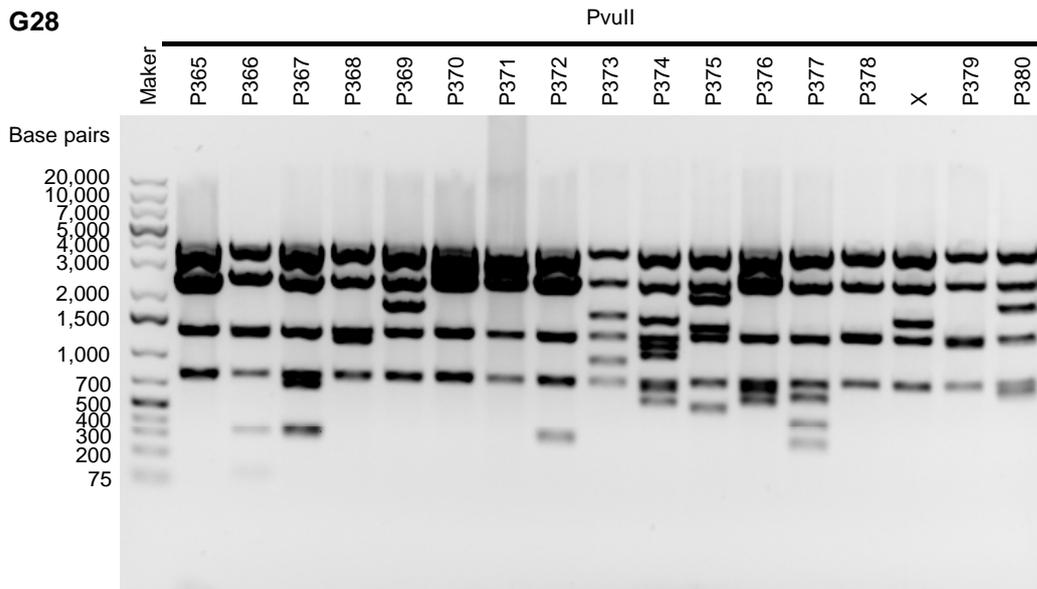
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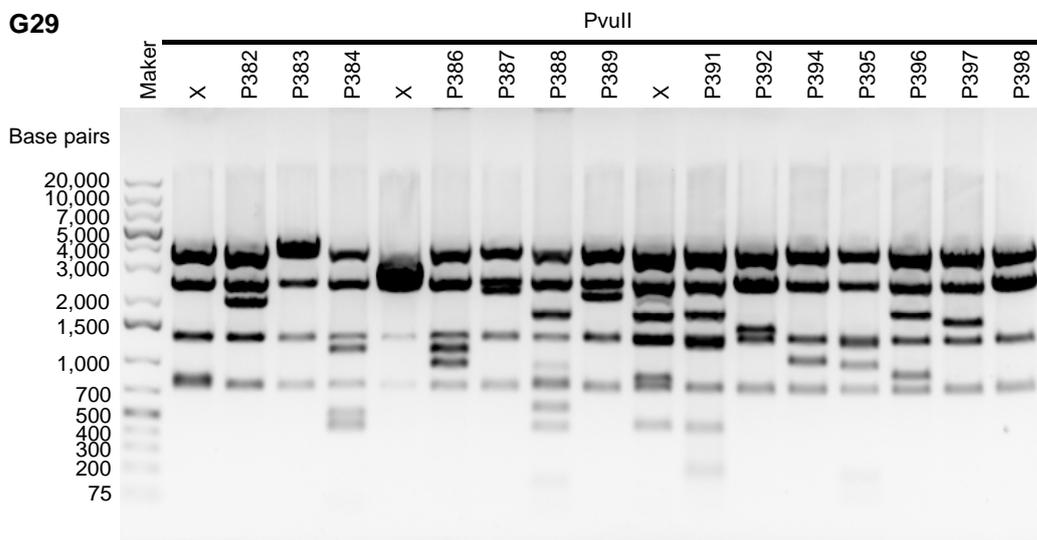
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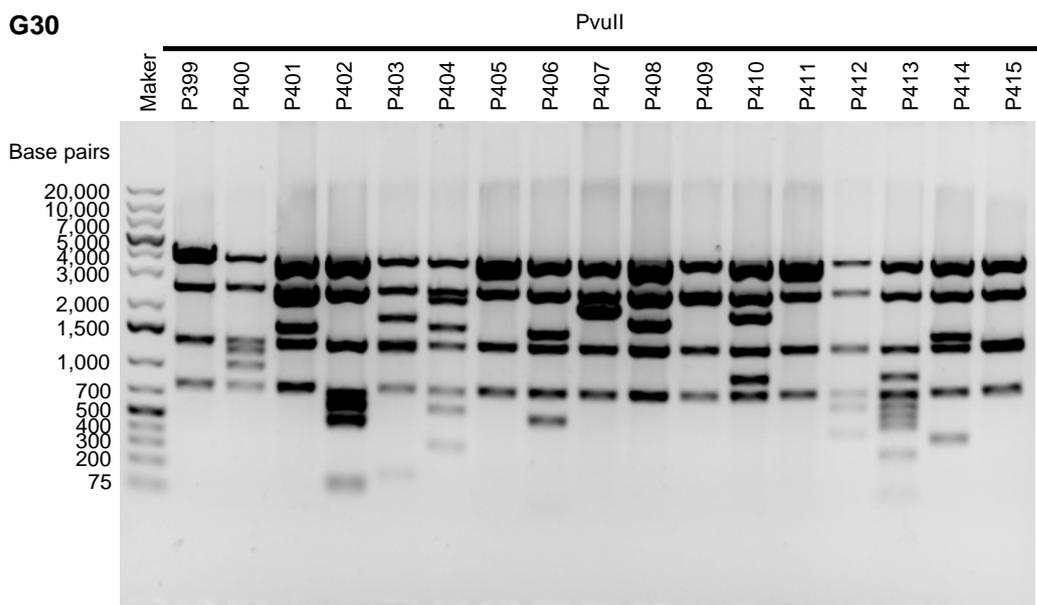
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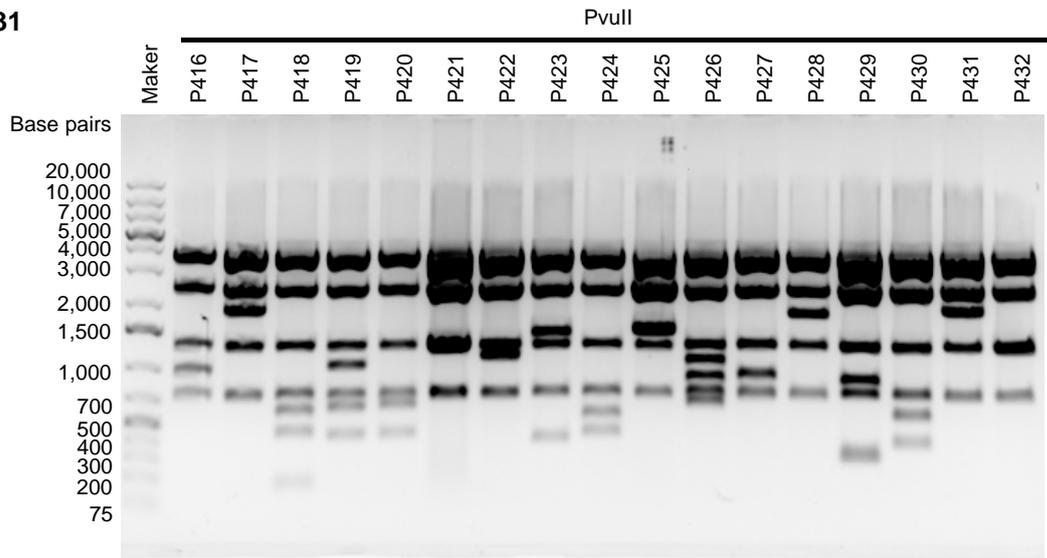
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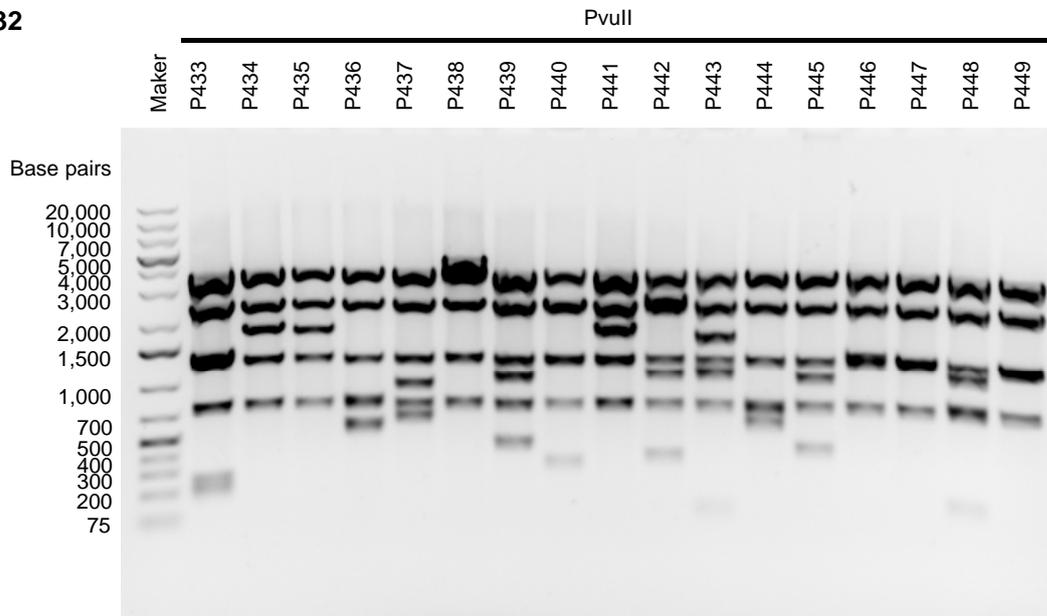
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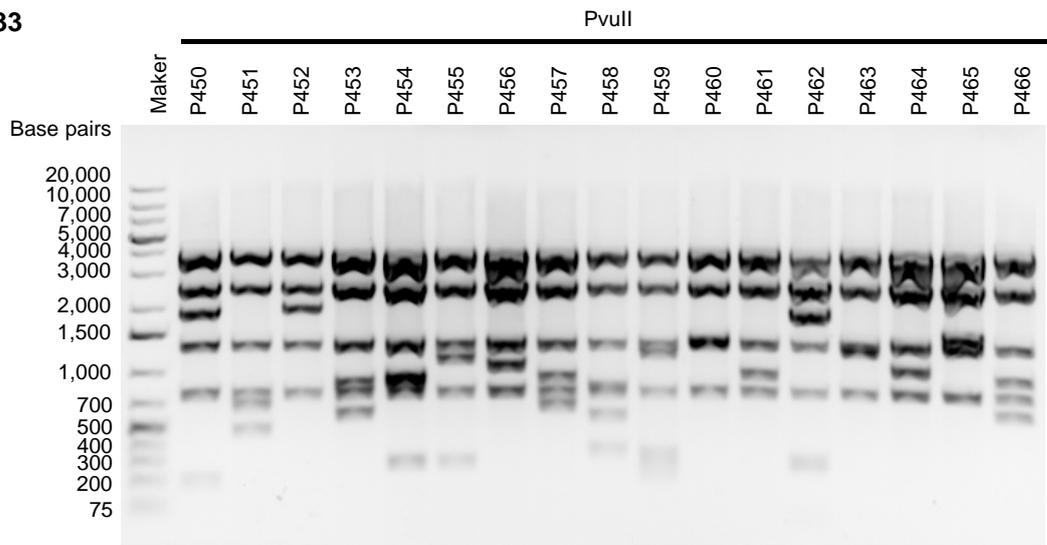
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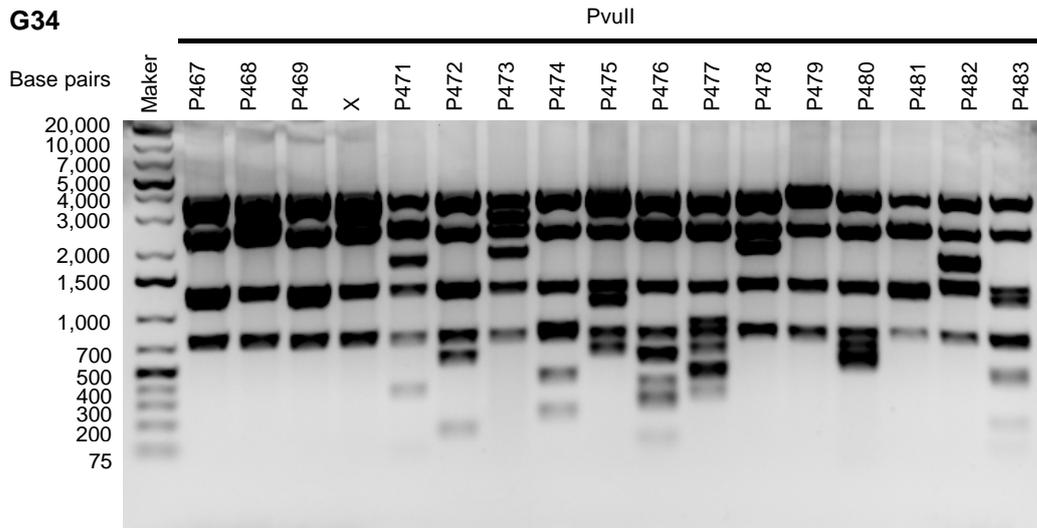
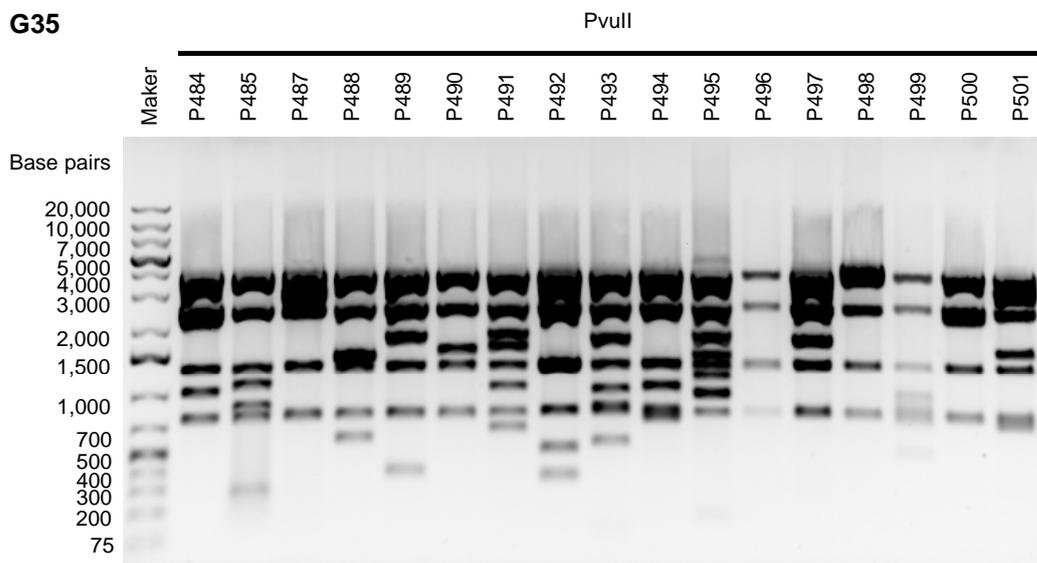
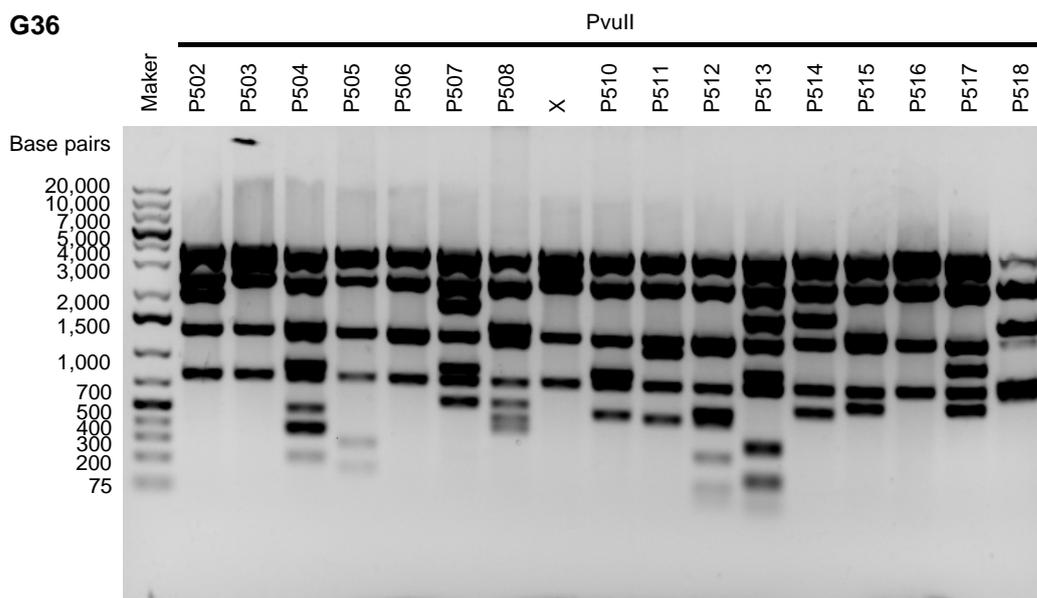


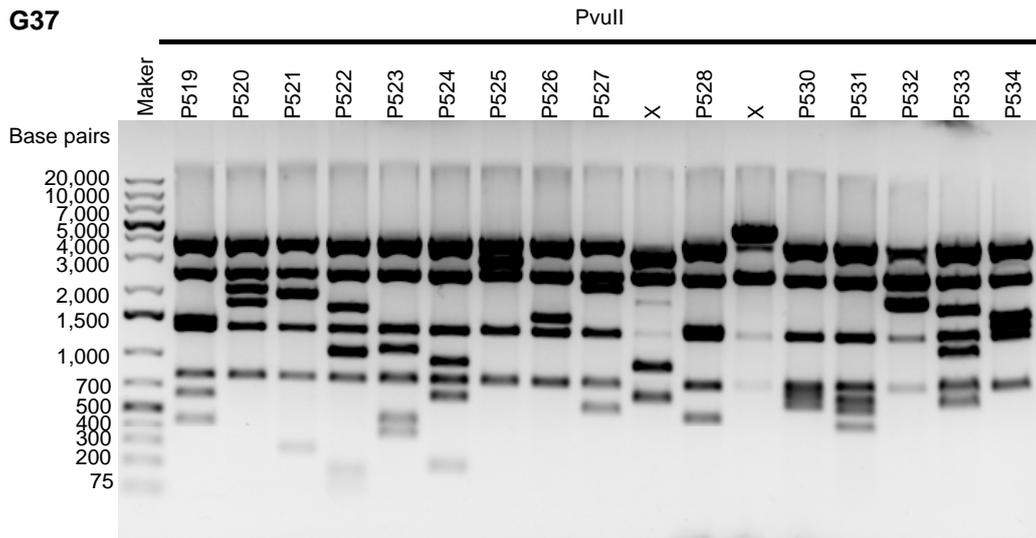
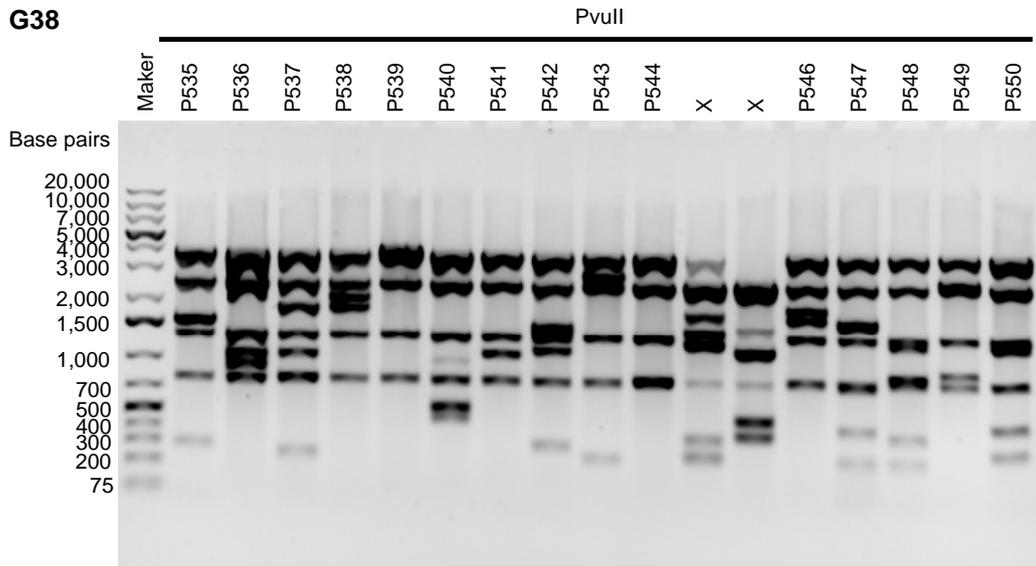
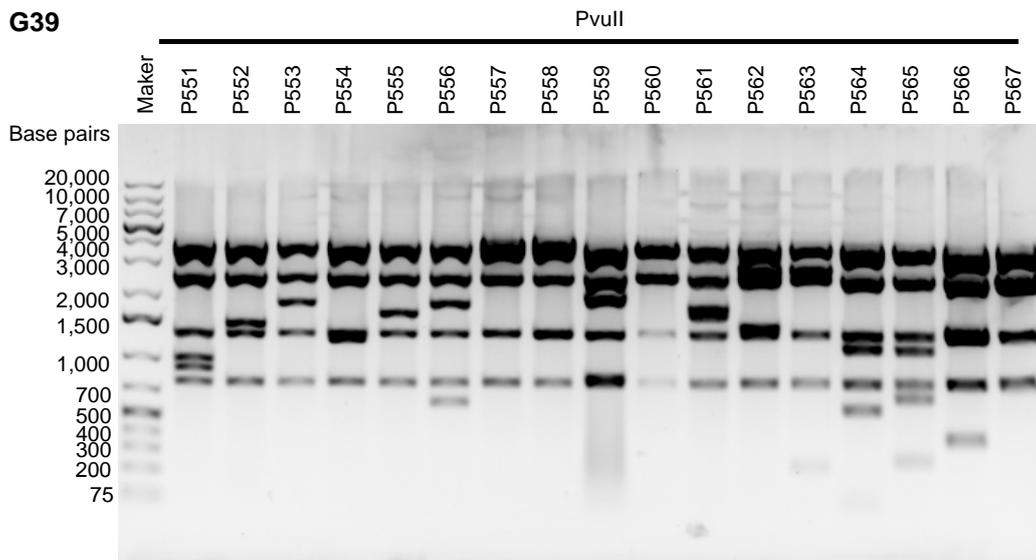
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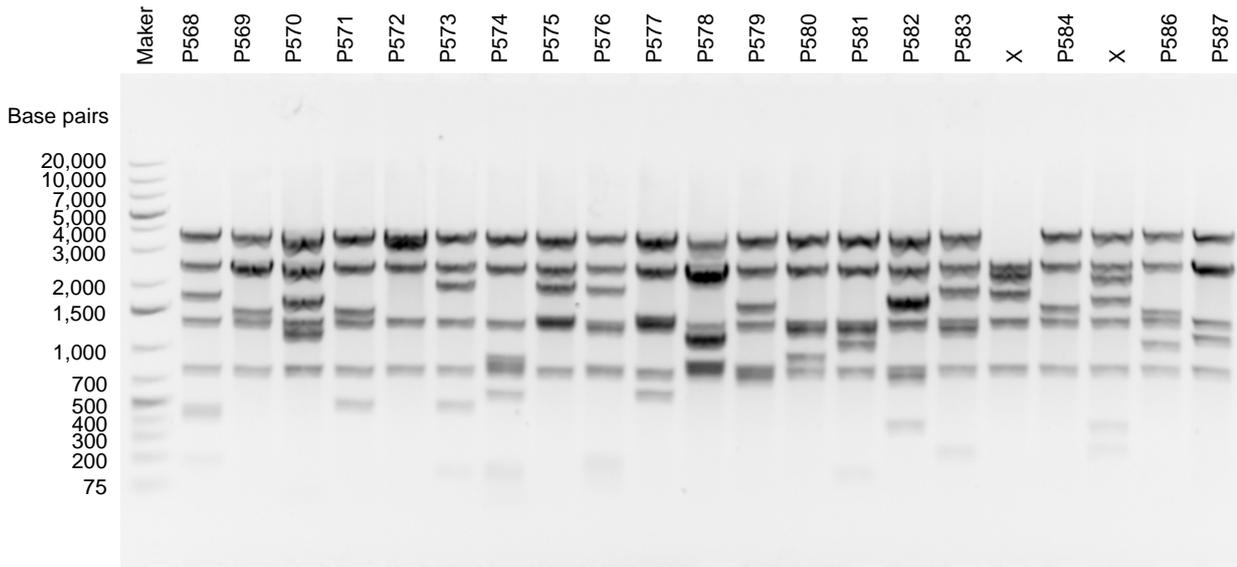


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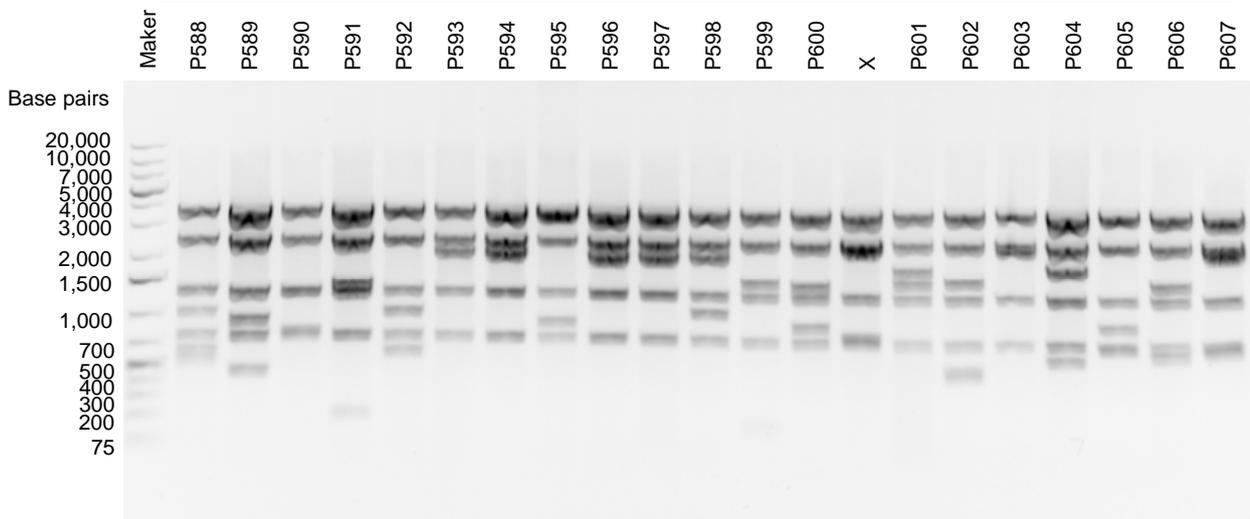
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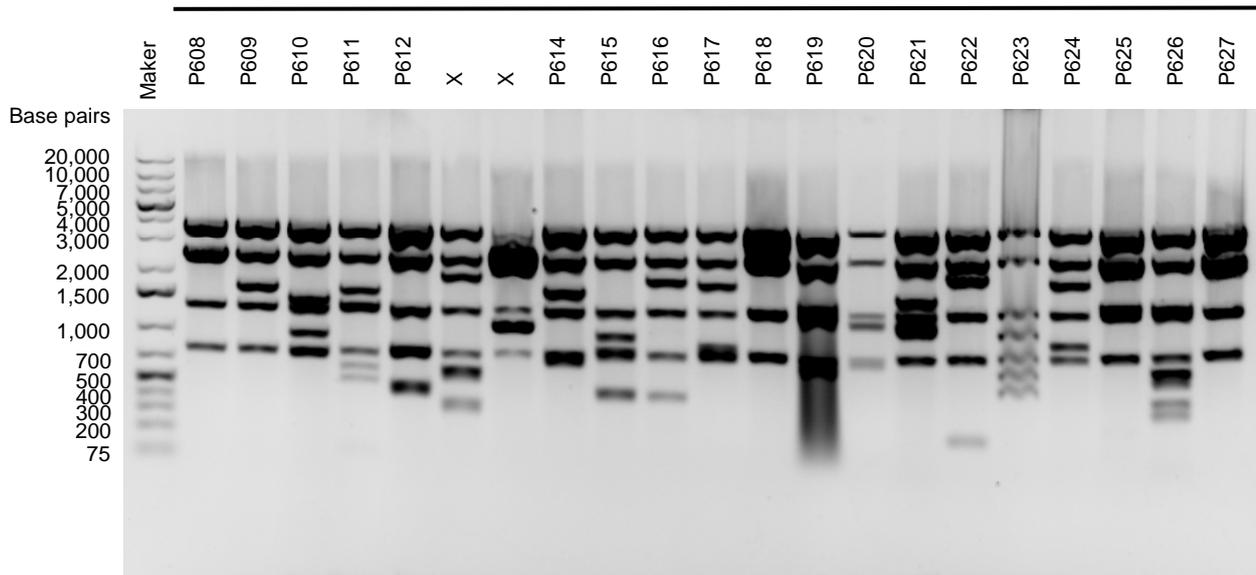
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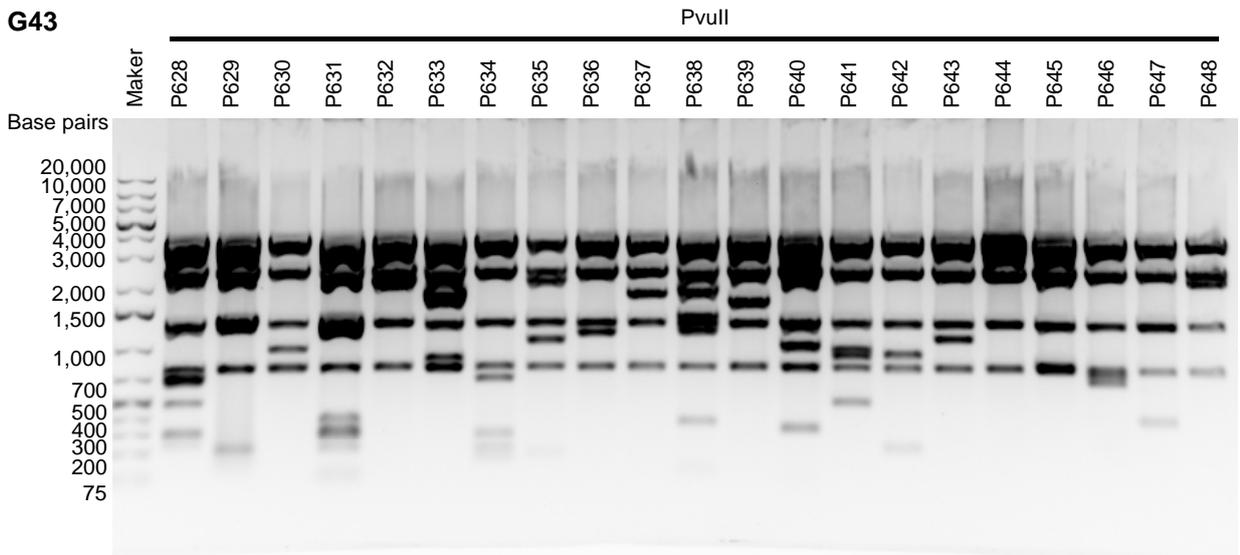


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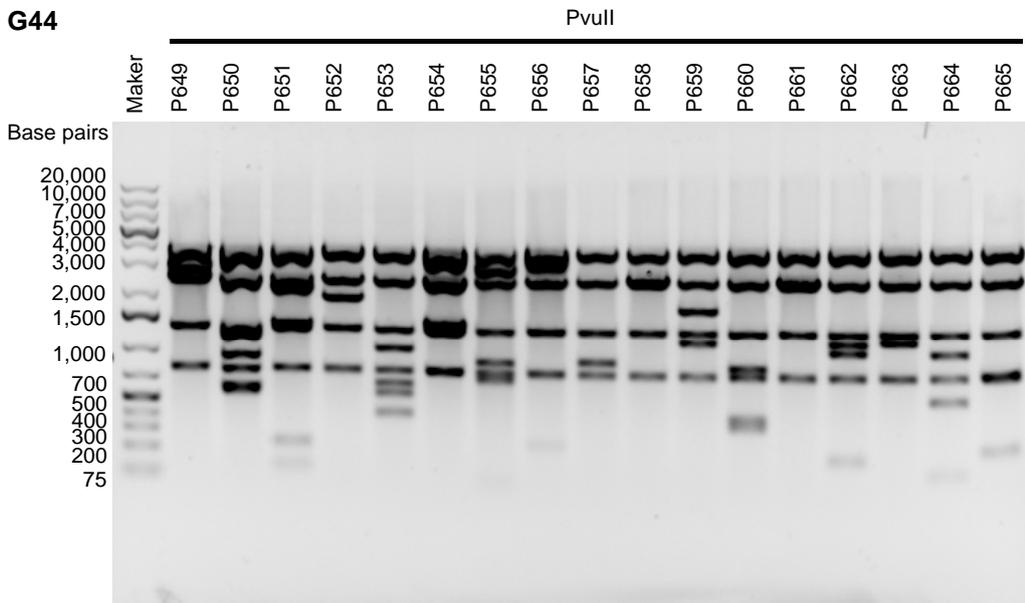
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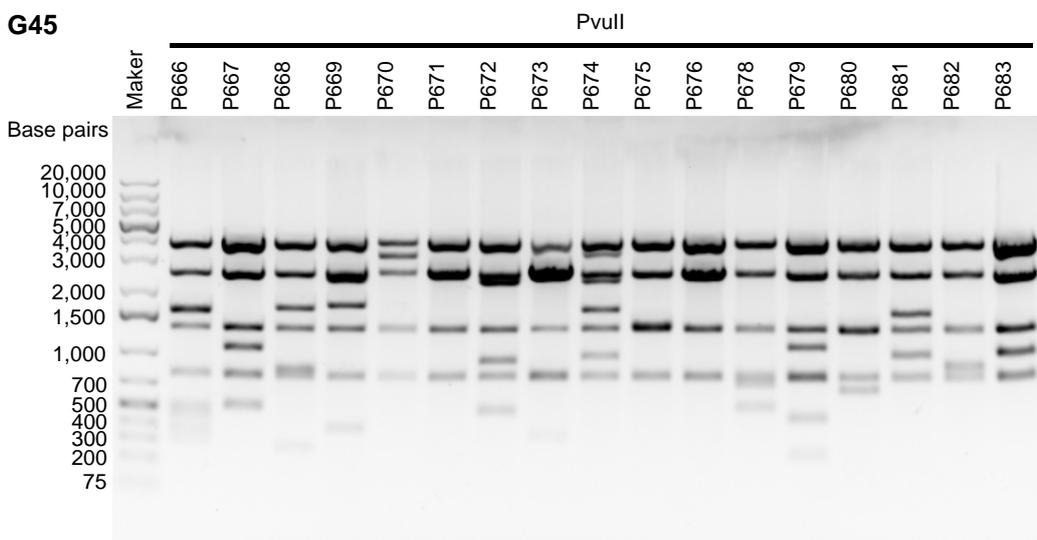
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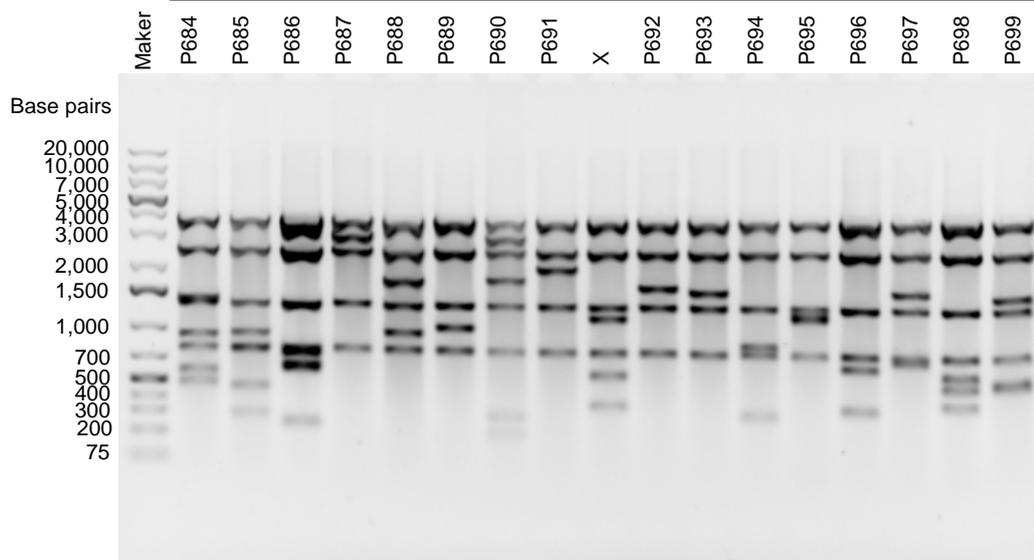


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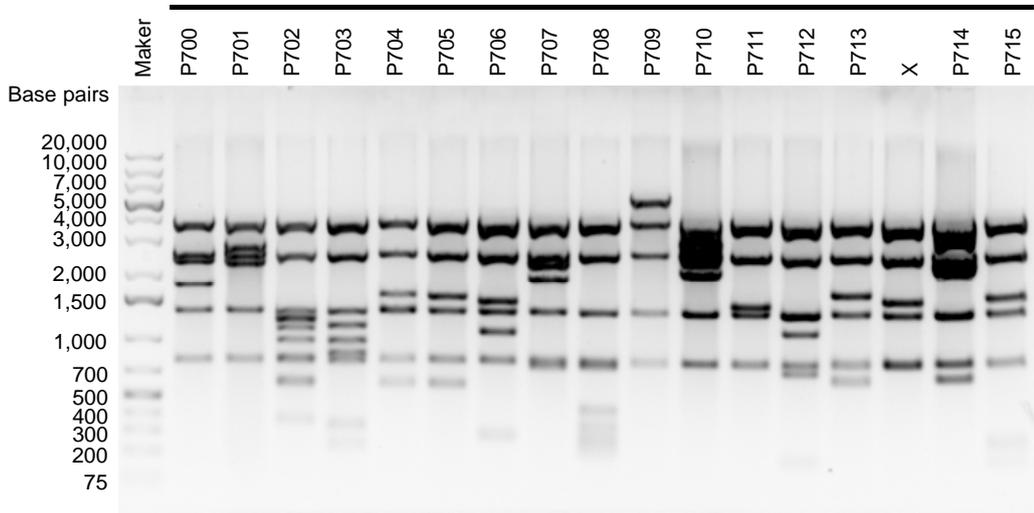
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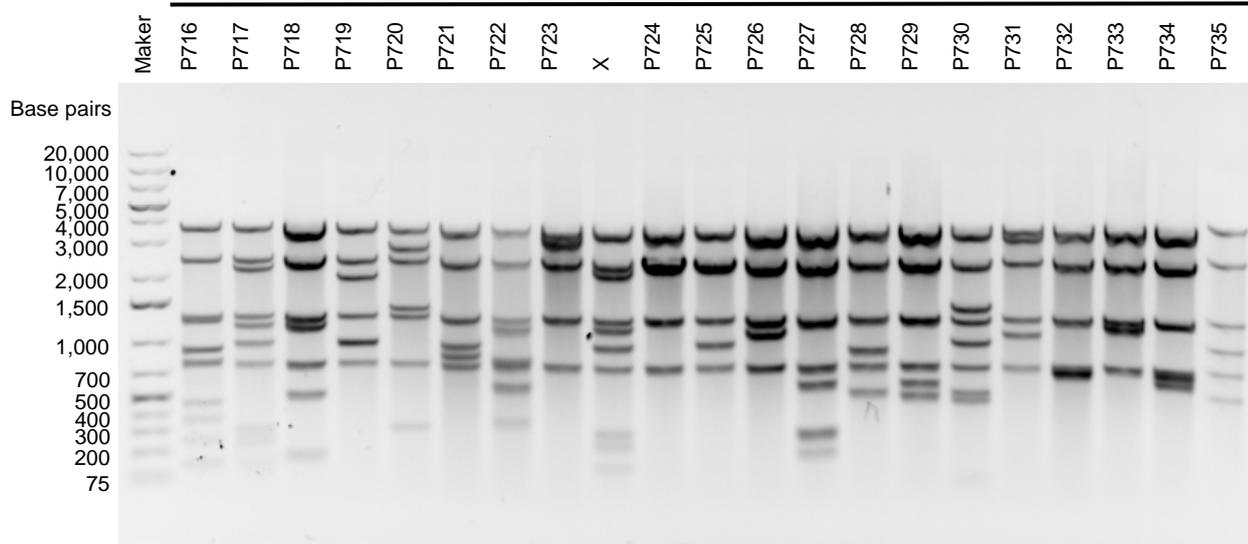
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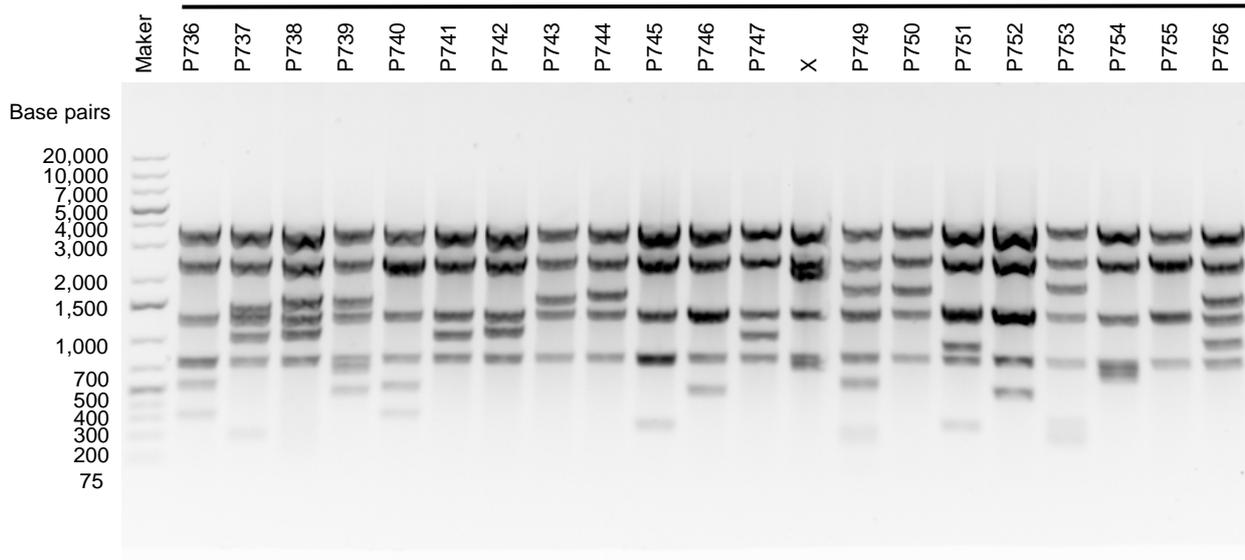
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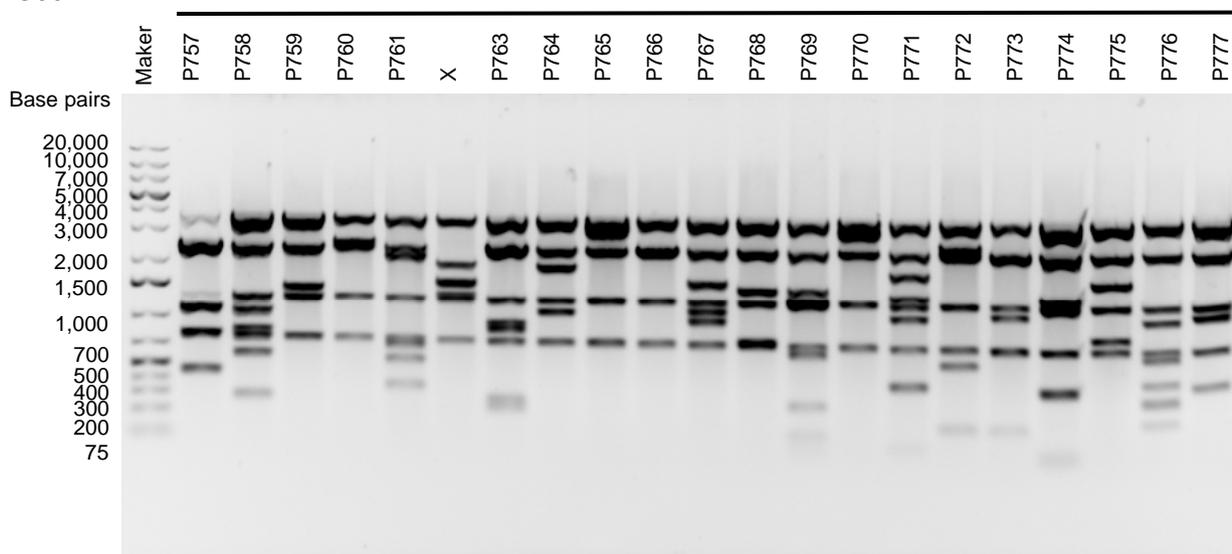


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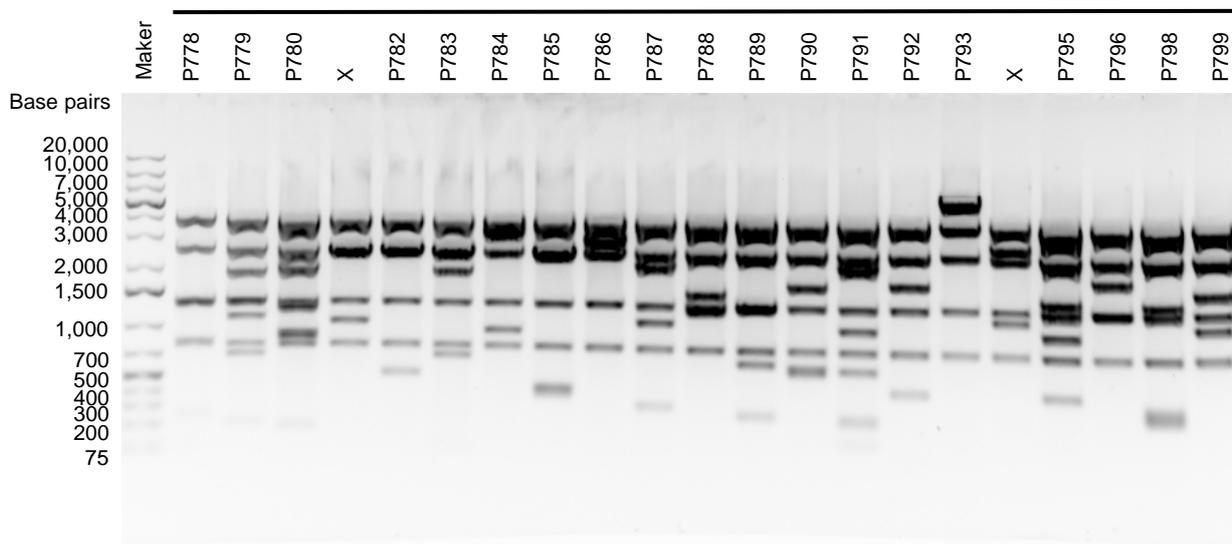
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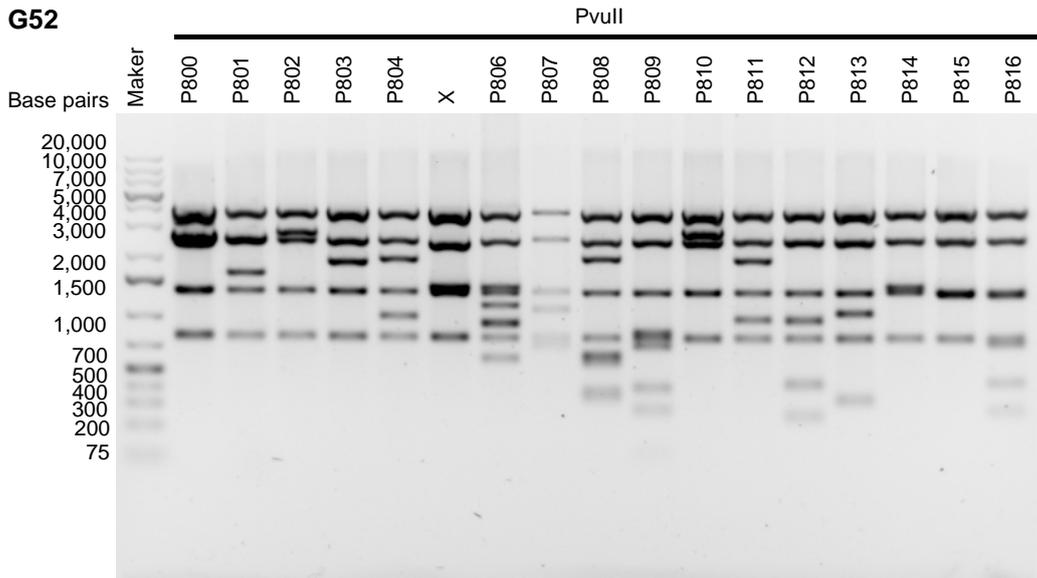
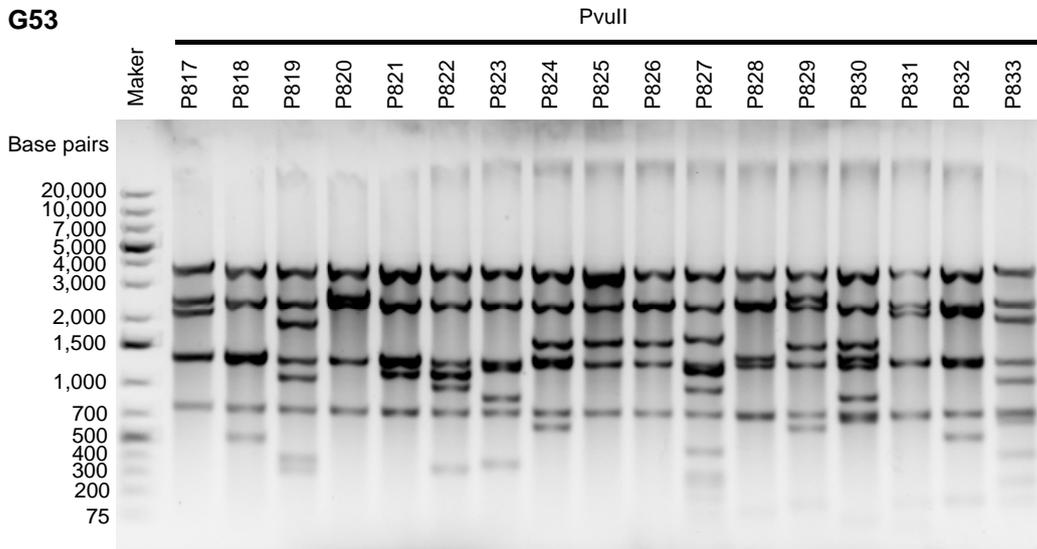
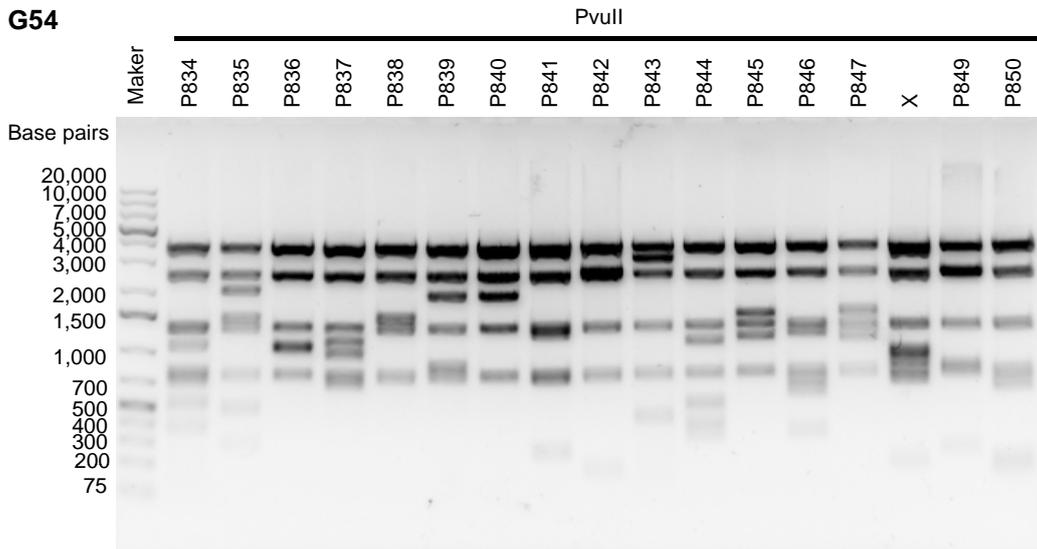
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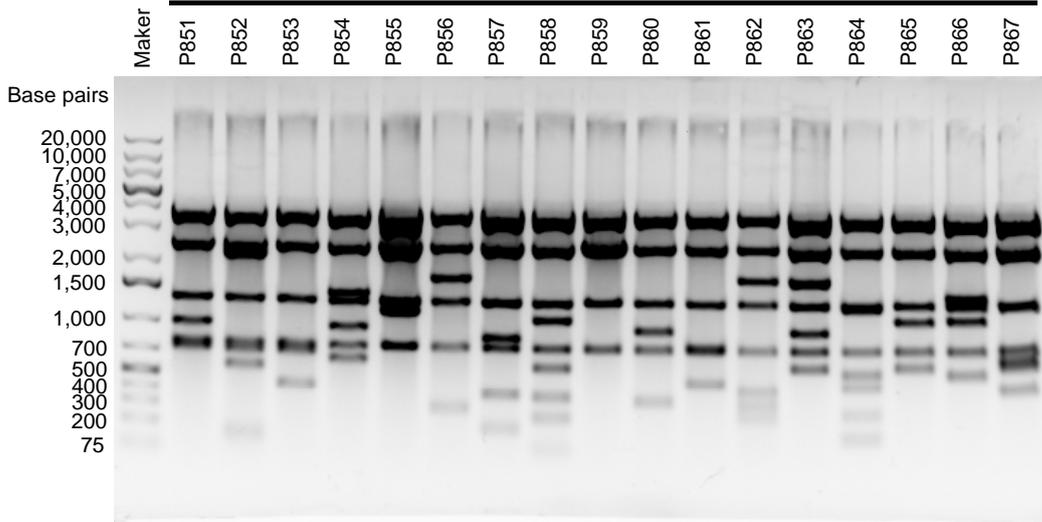
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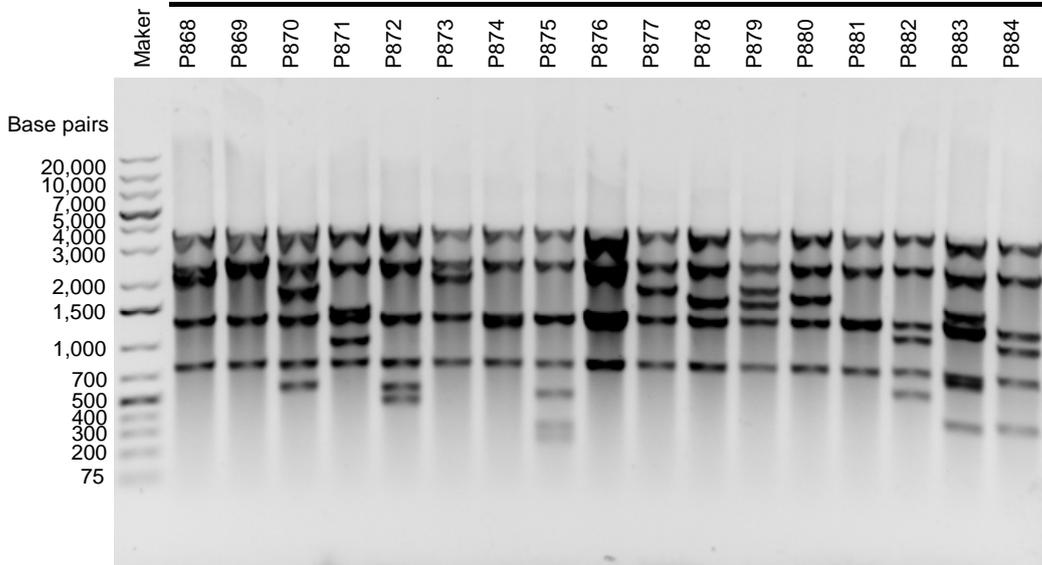
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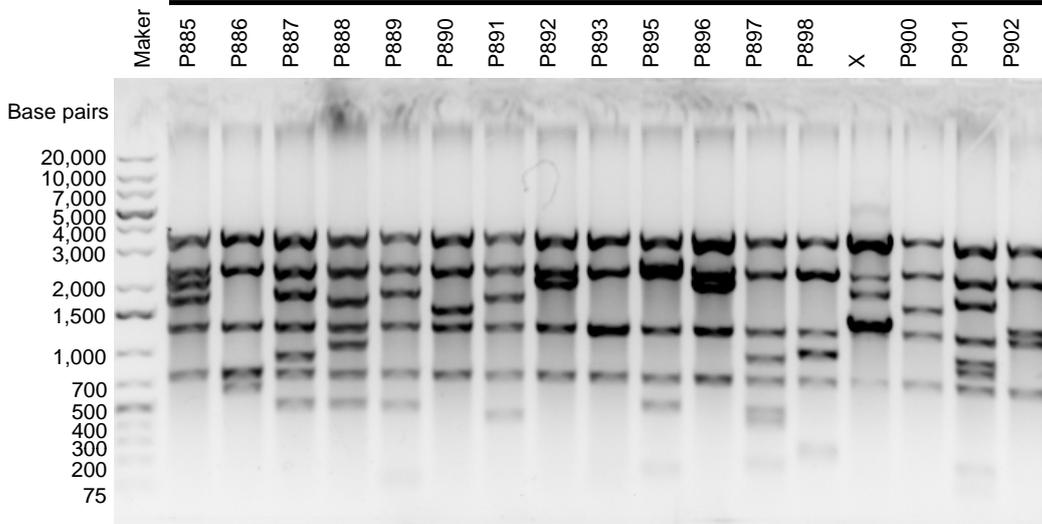
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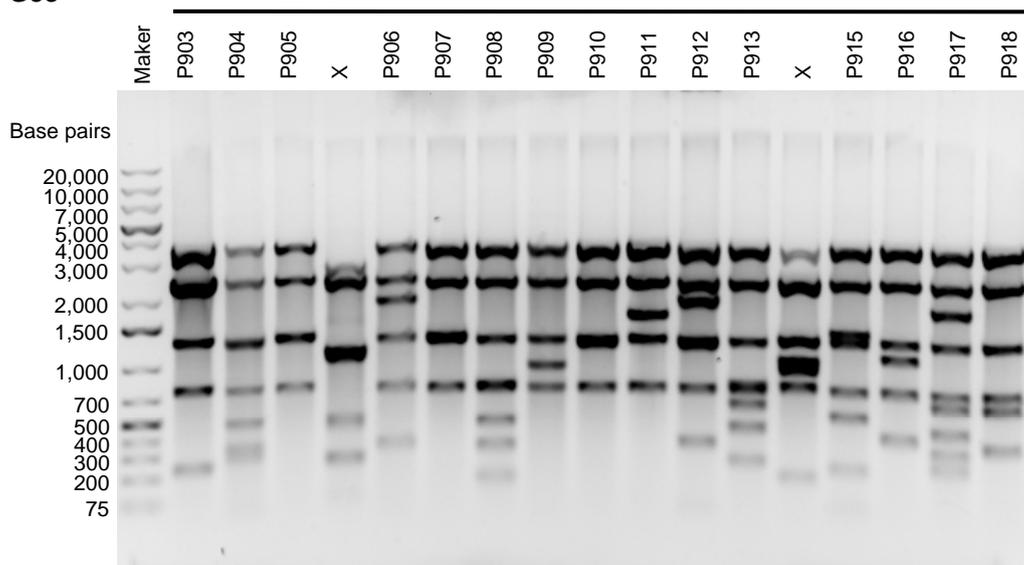
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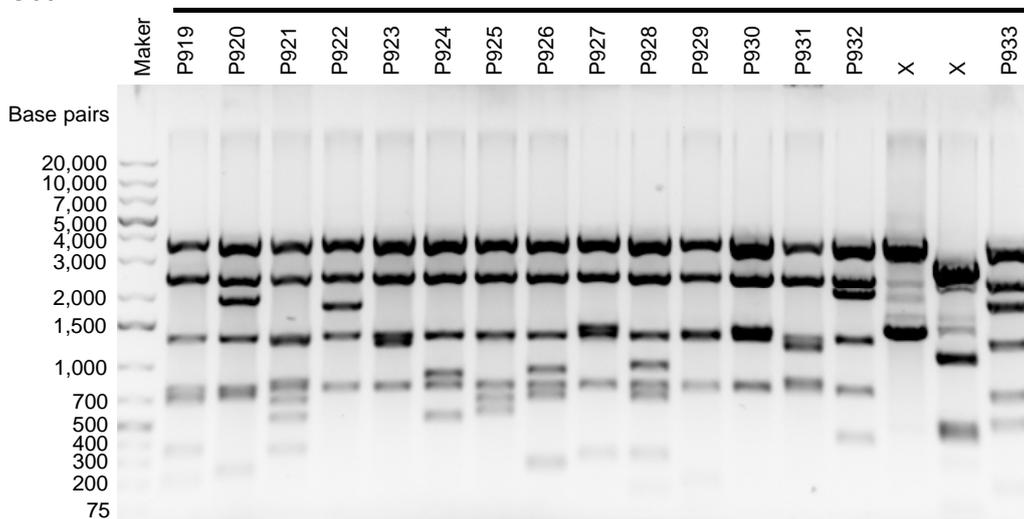
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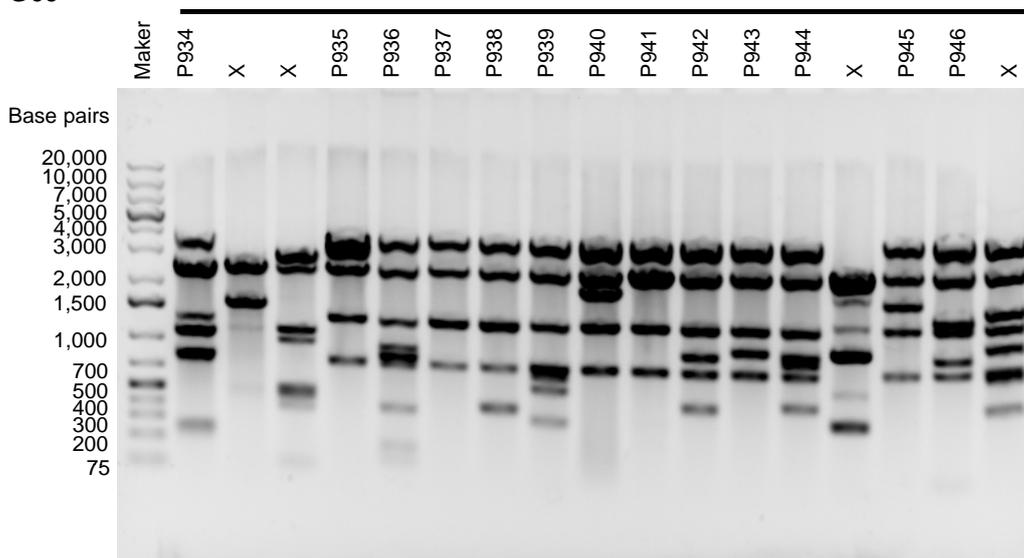
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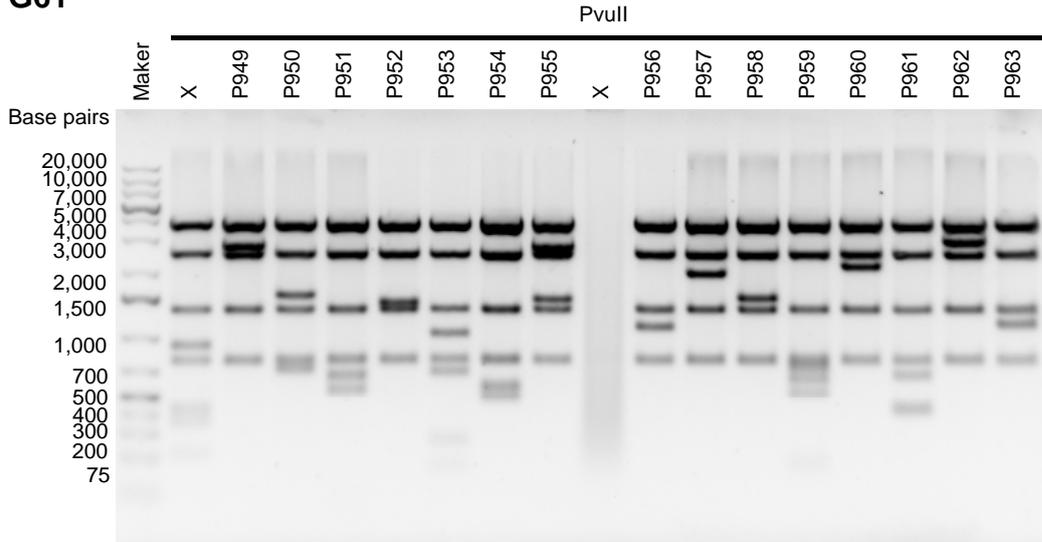


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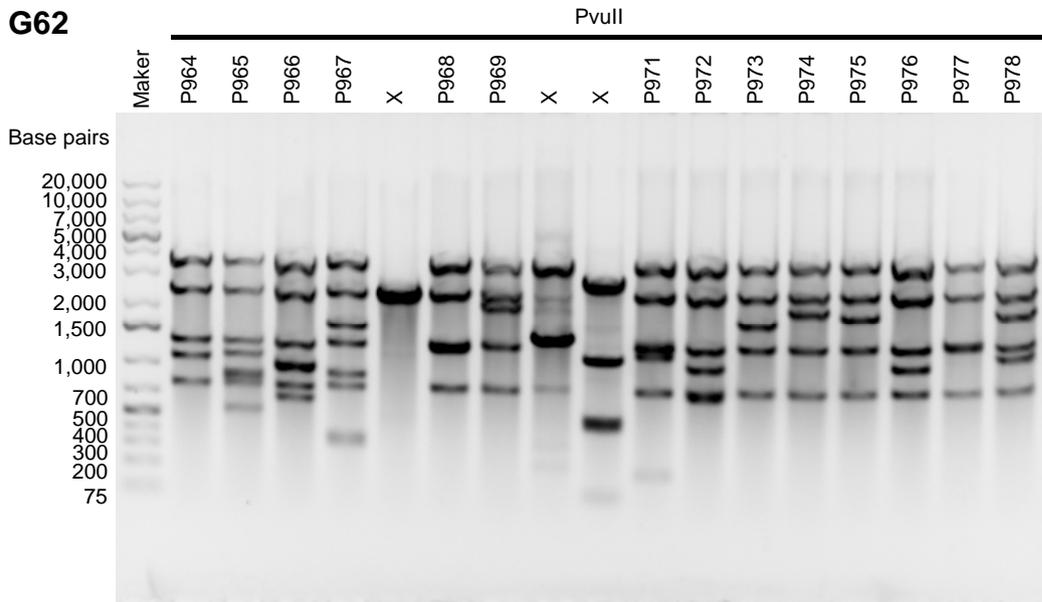
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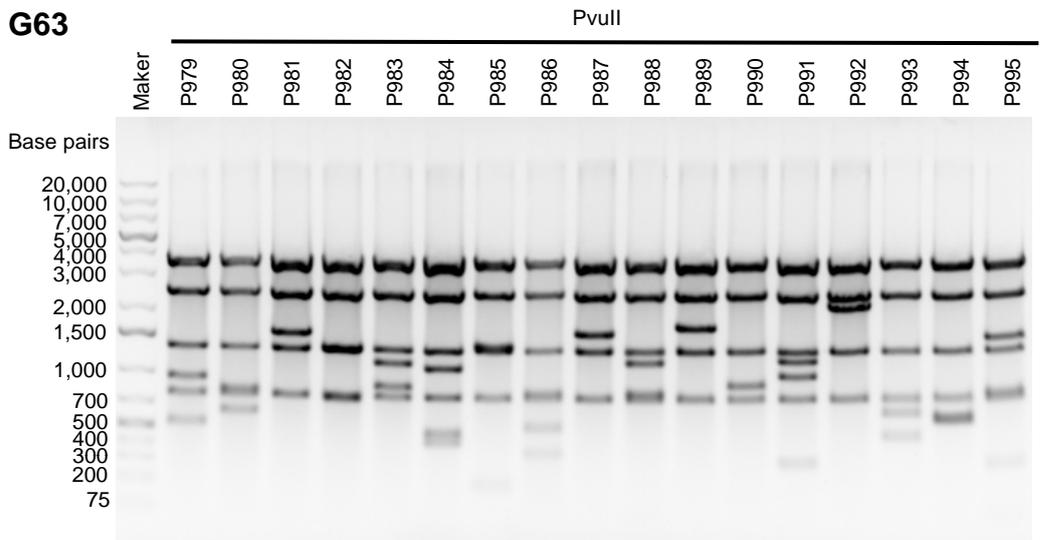
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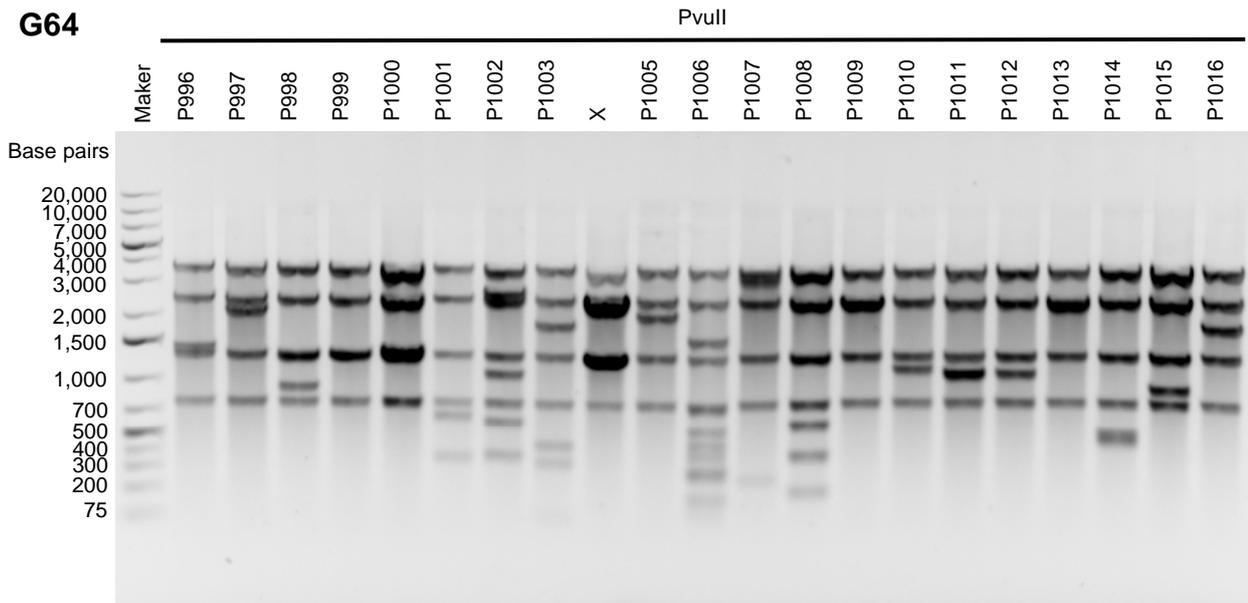
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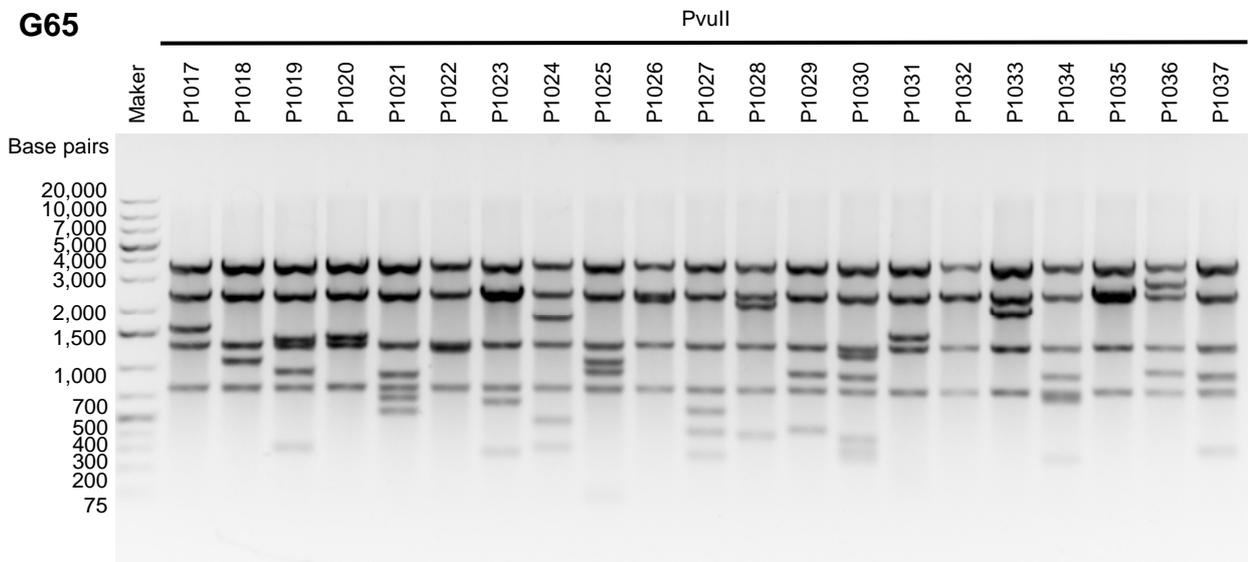
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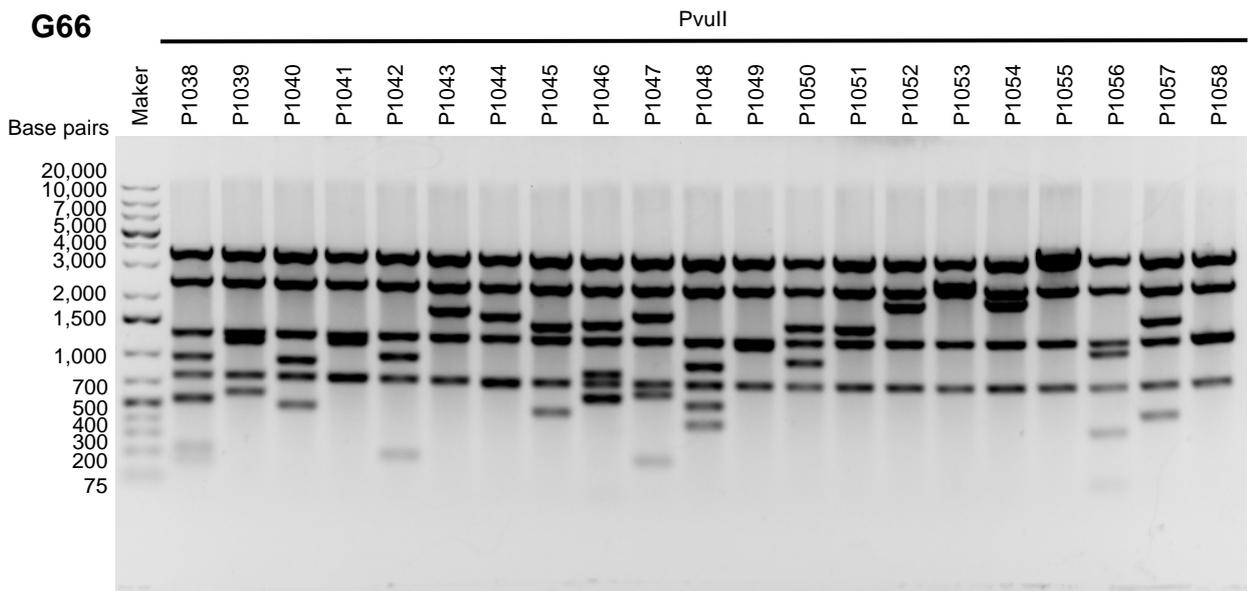
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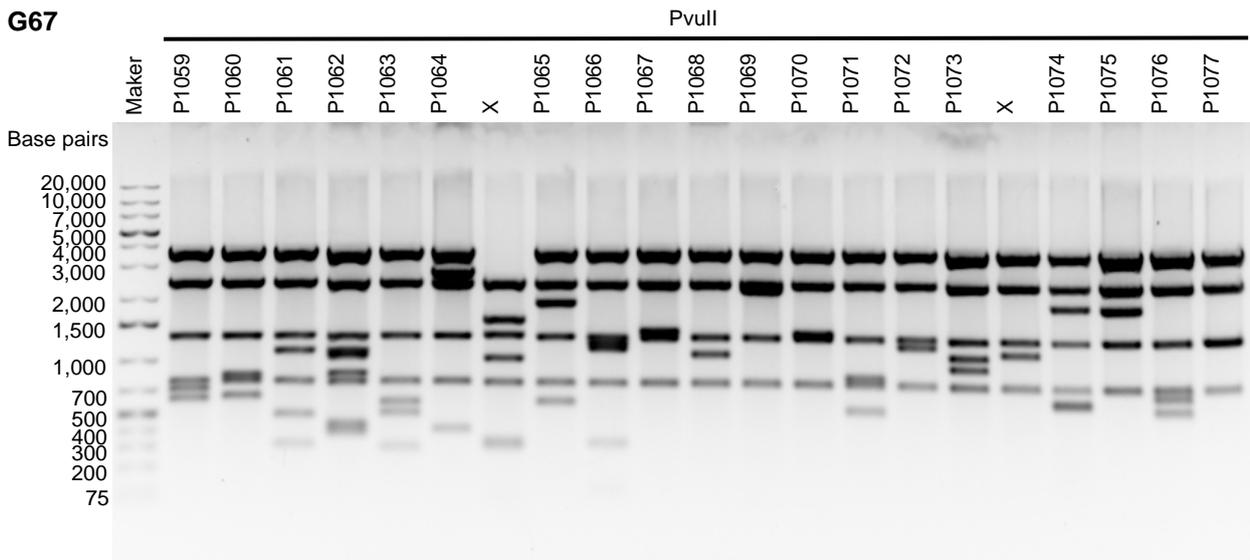
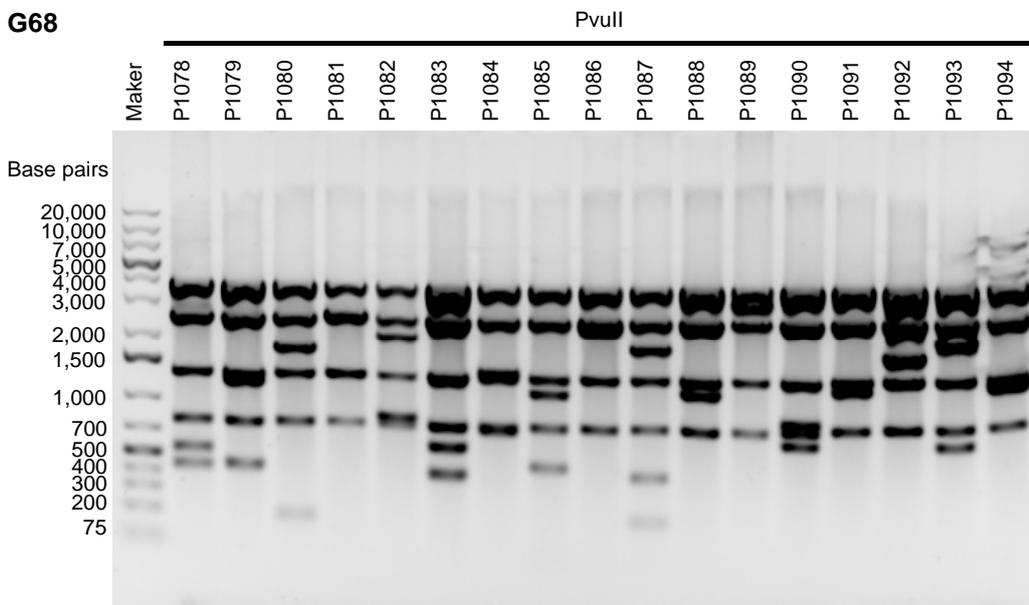
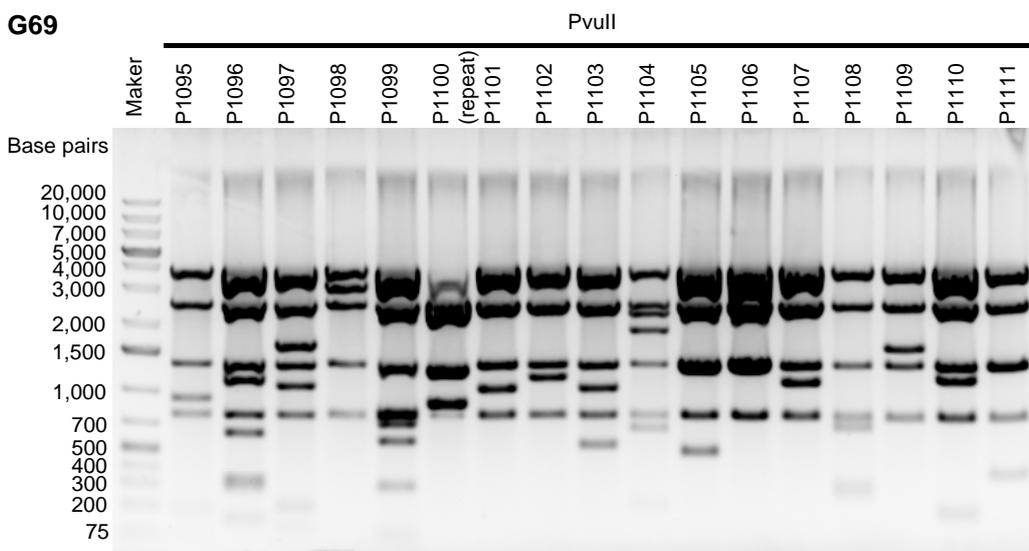


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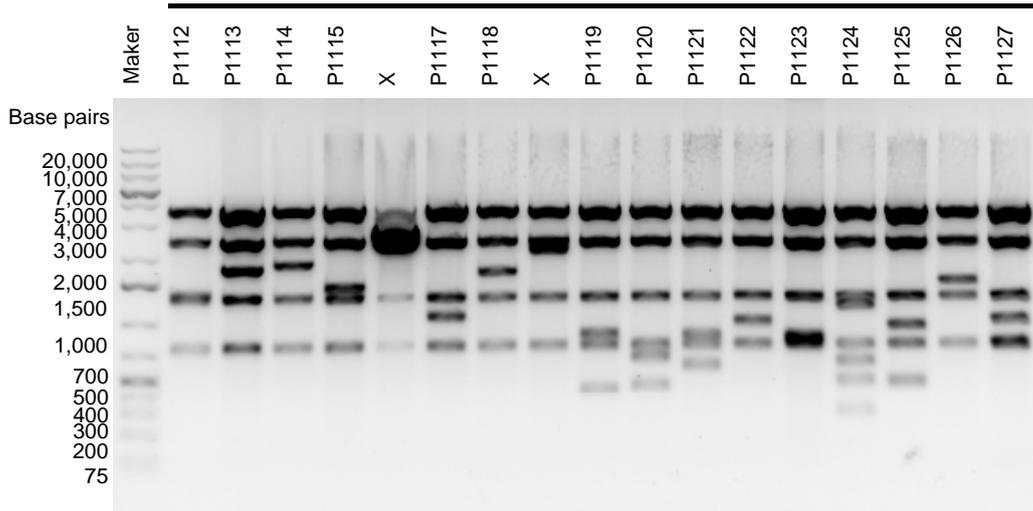
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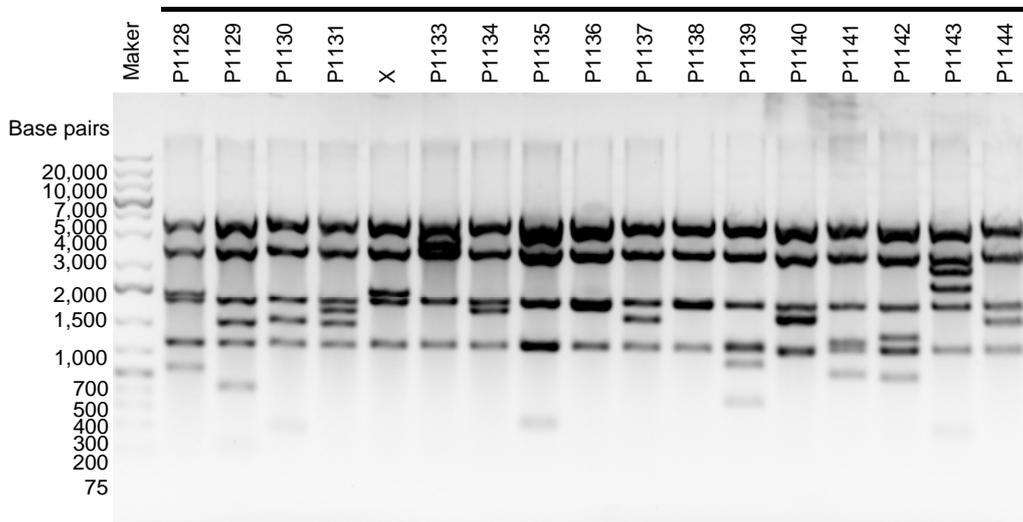
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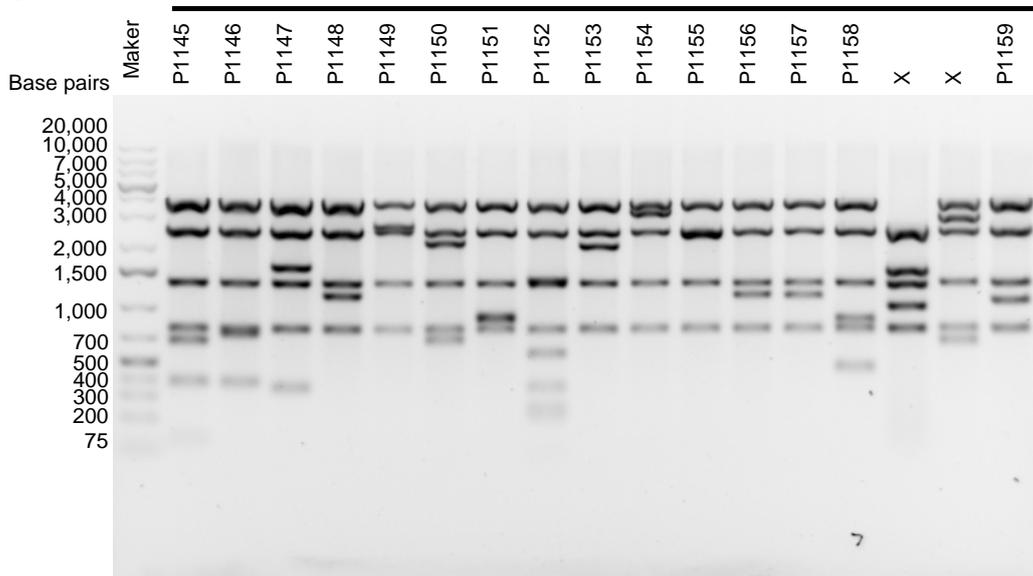
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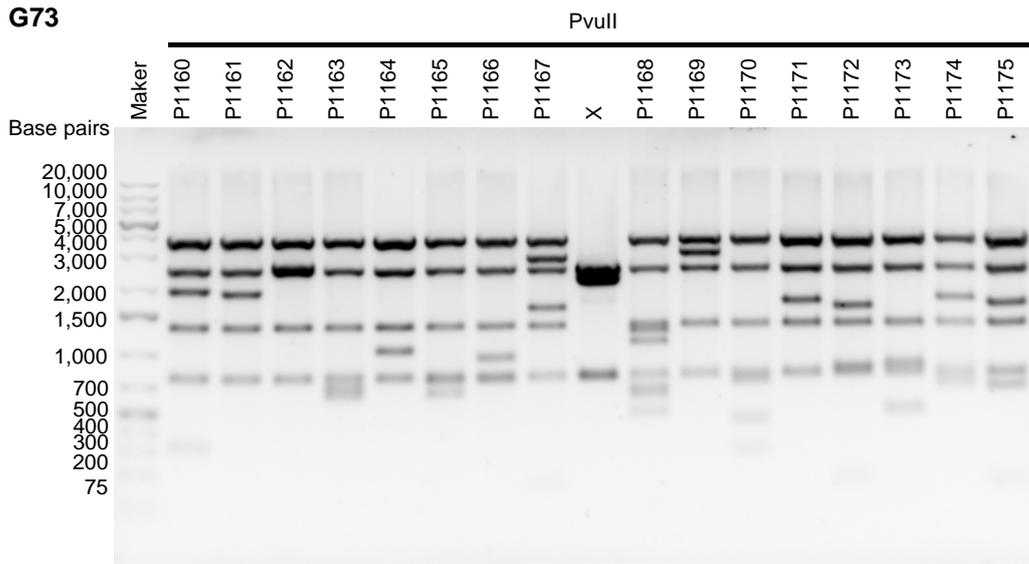
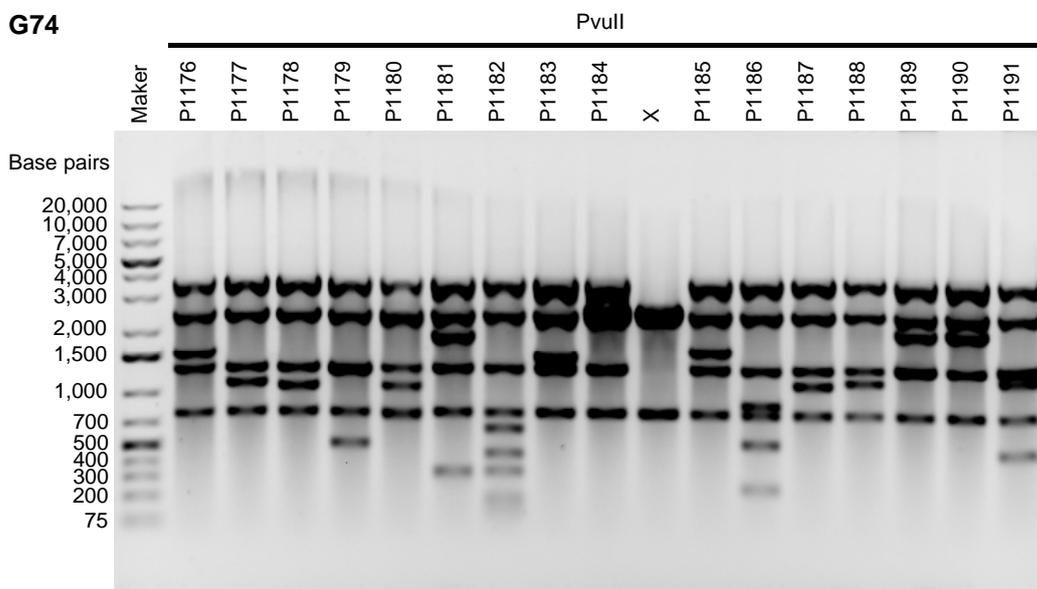
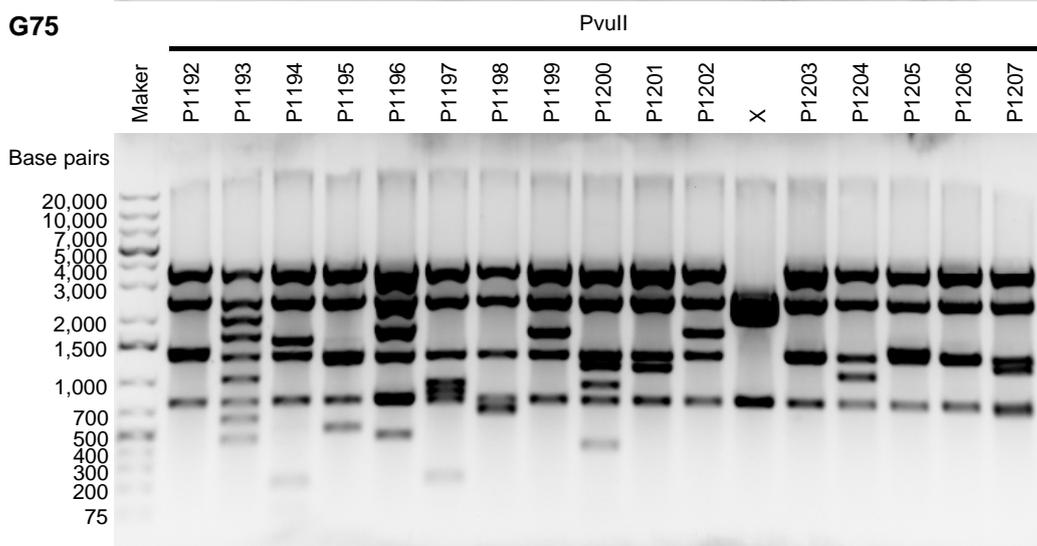
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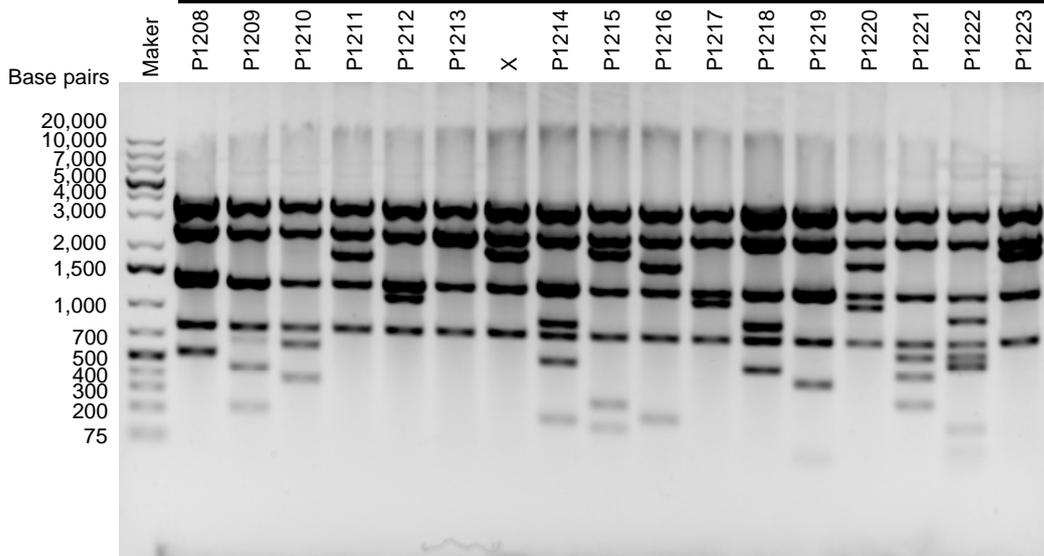
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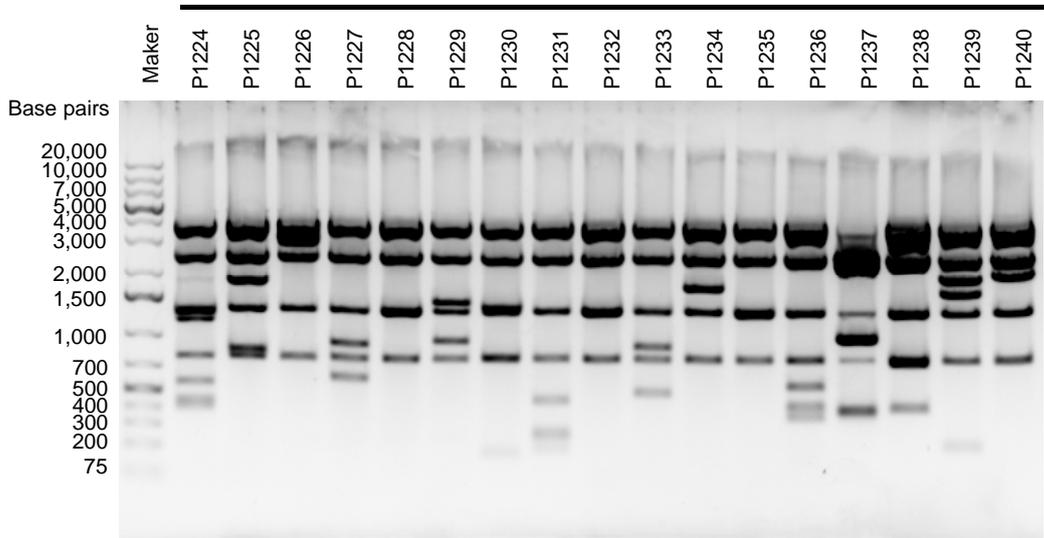
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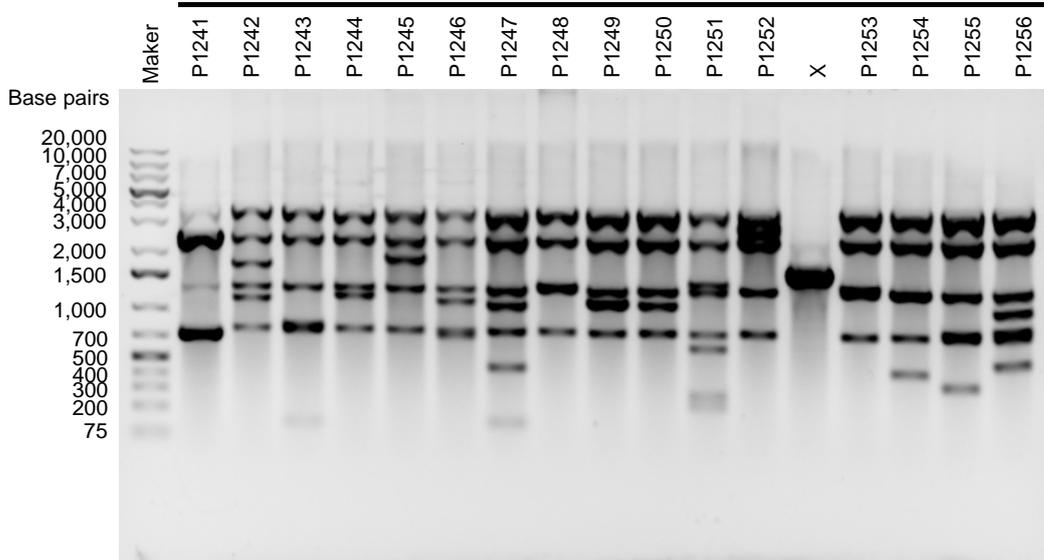
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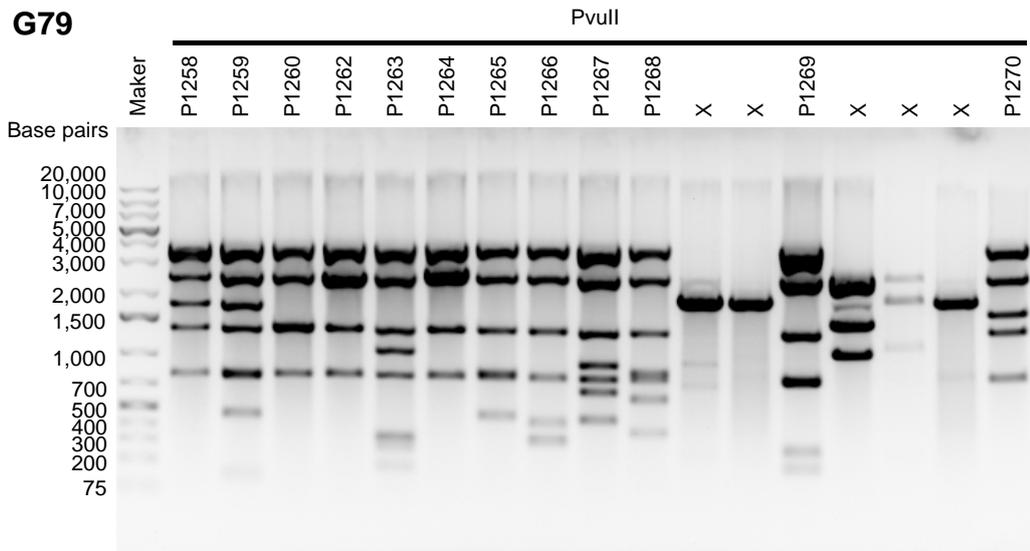


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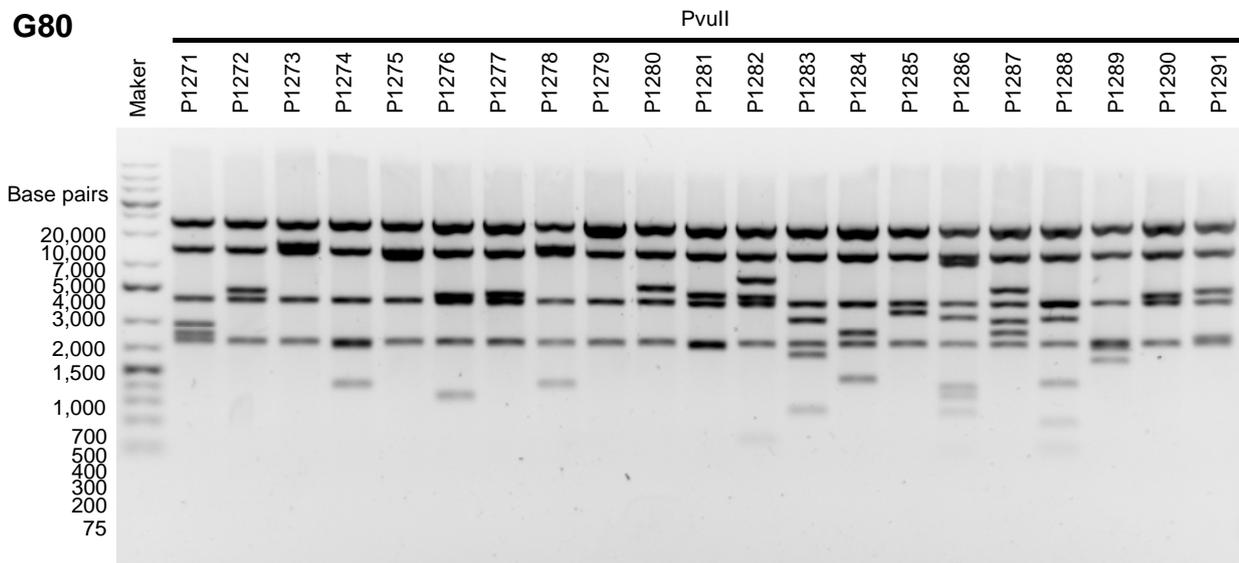
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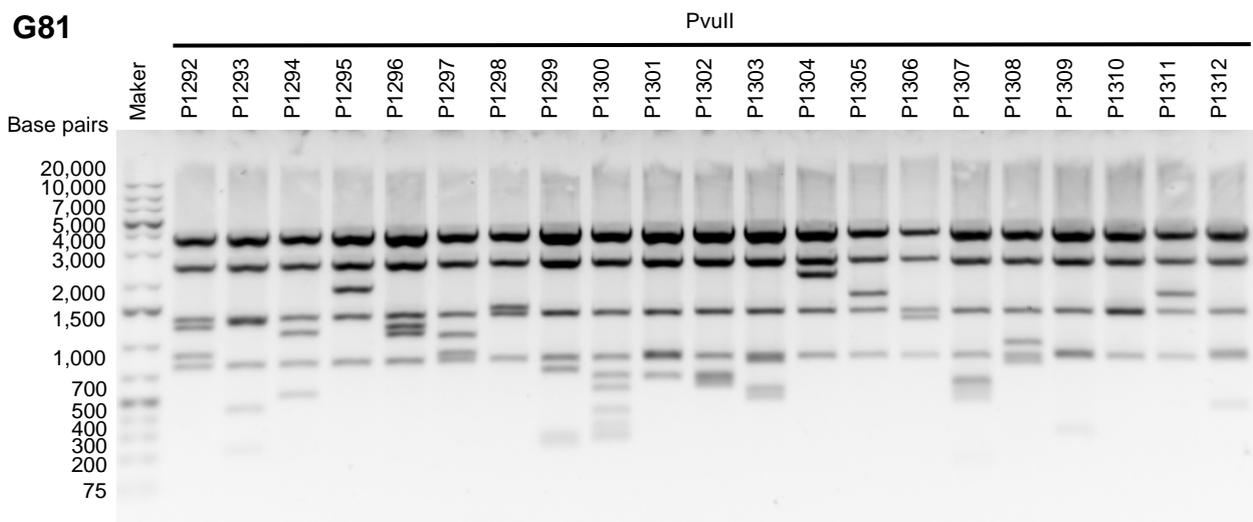
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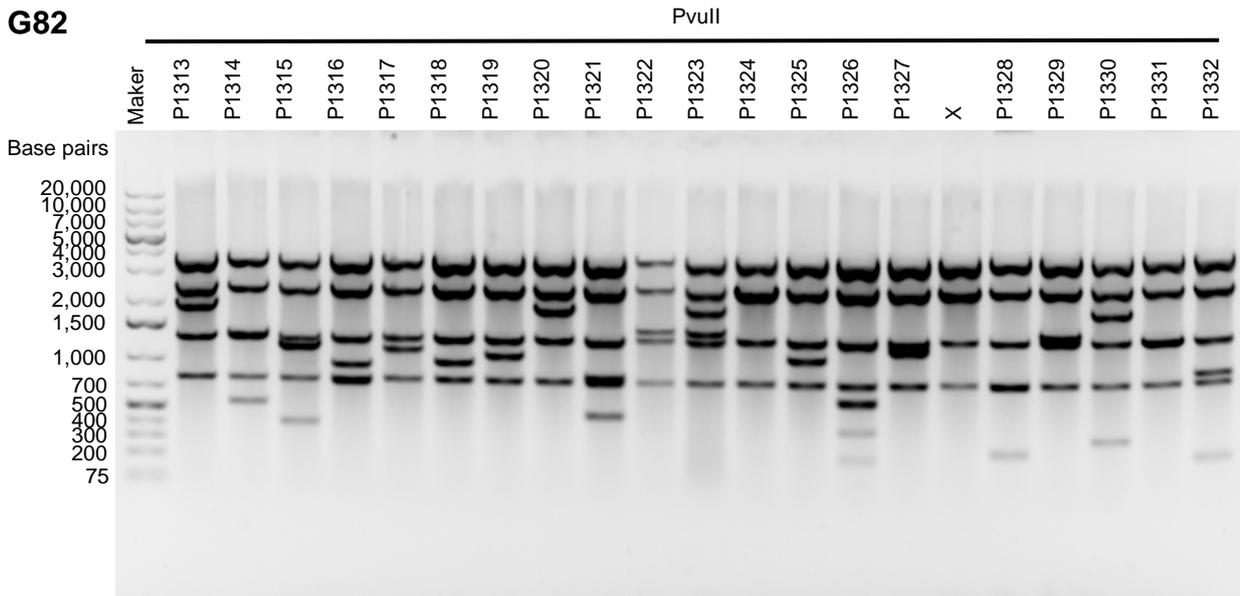
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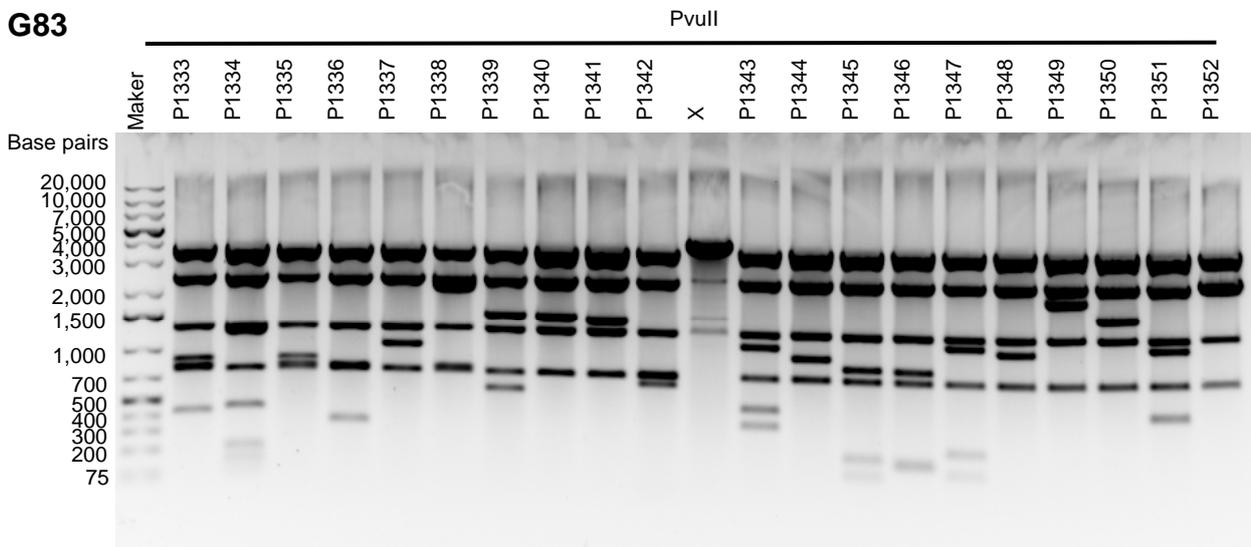
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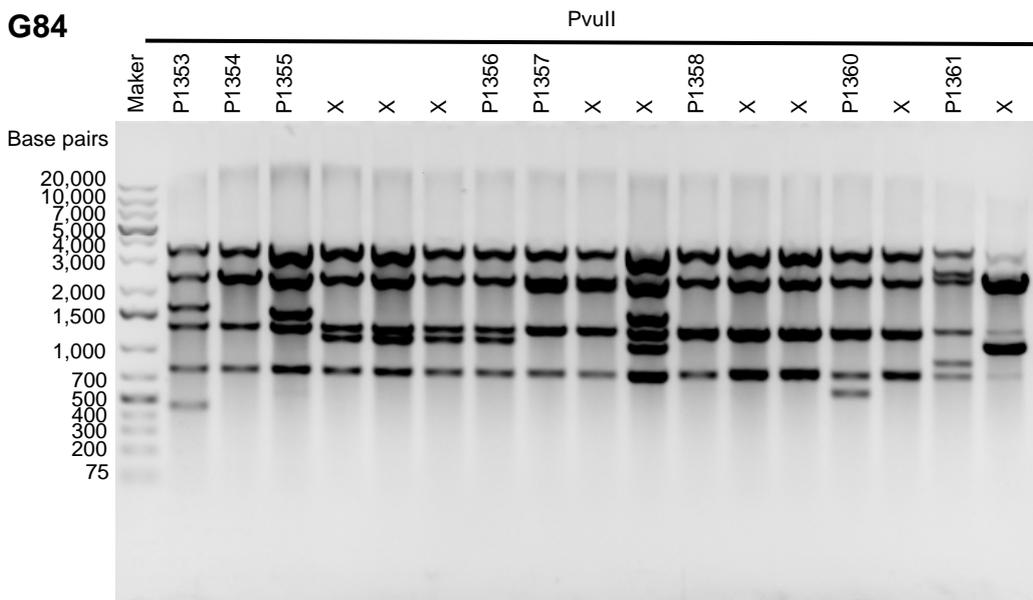
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G83

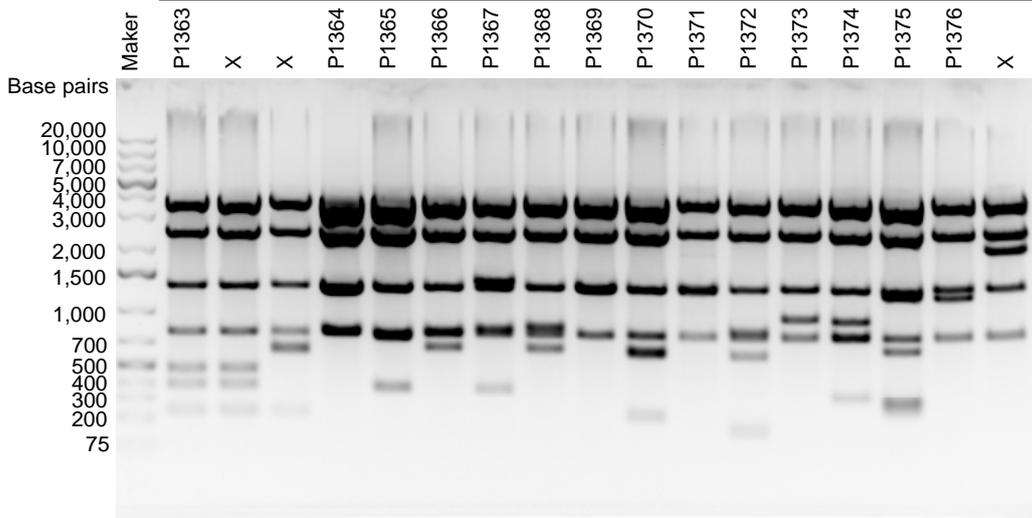


G84

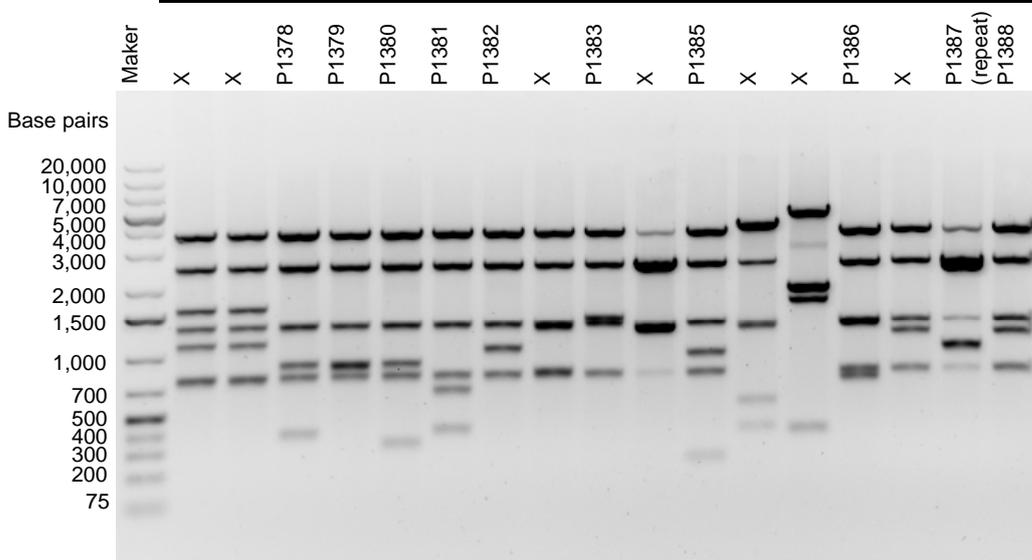


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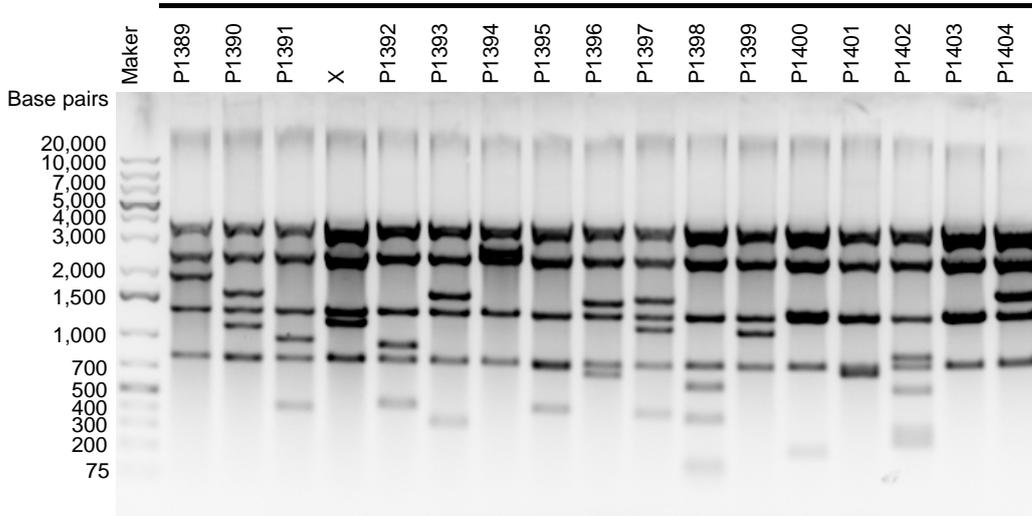
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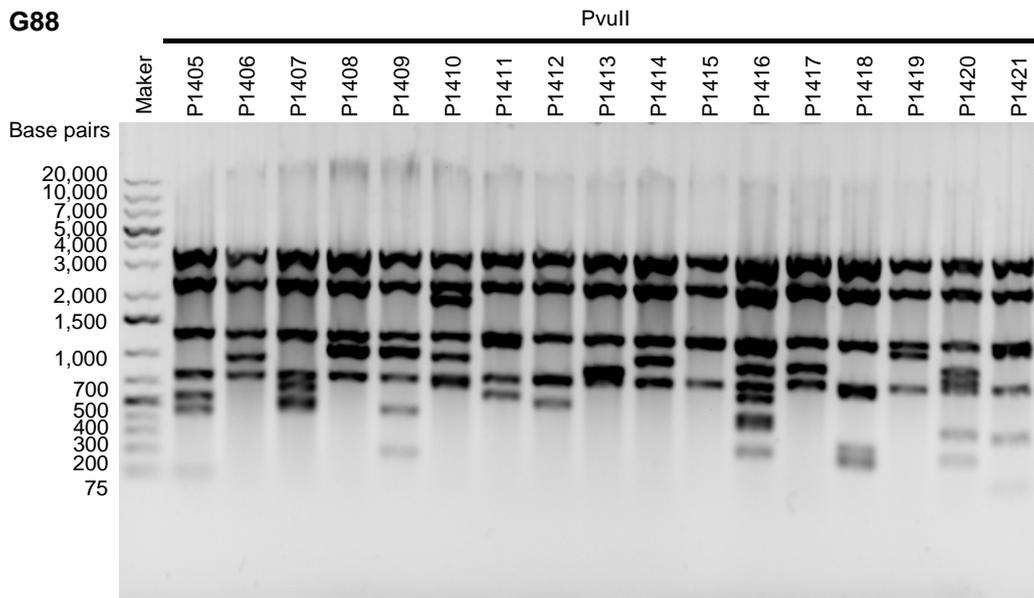
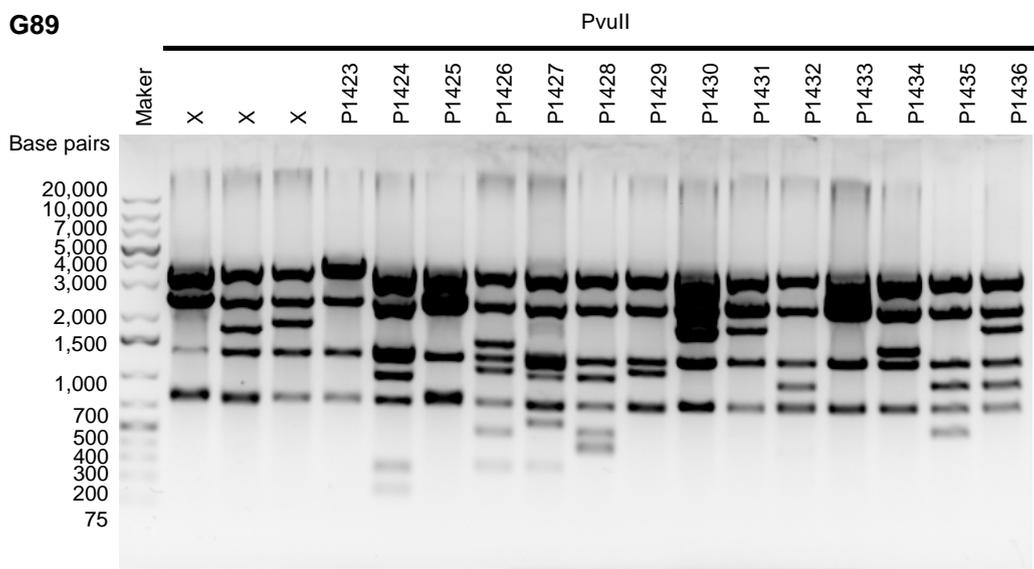
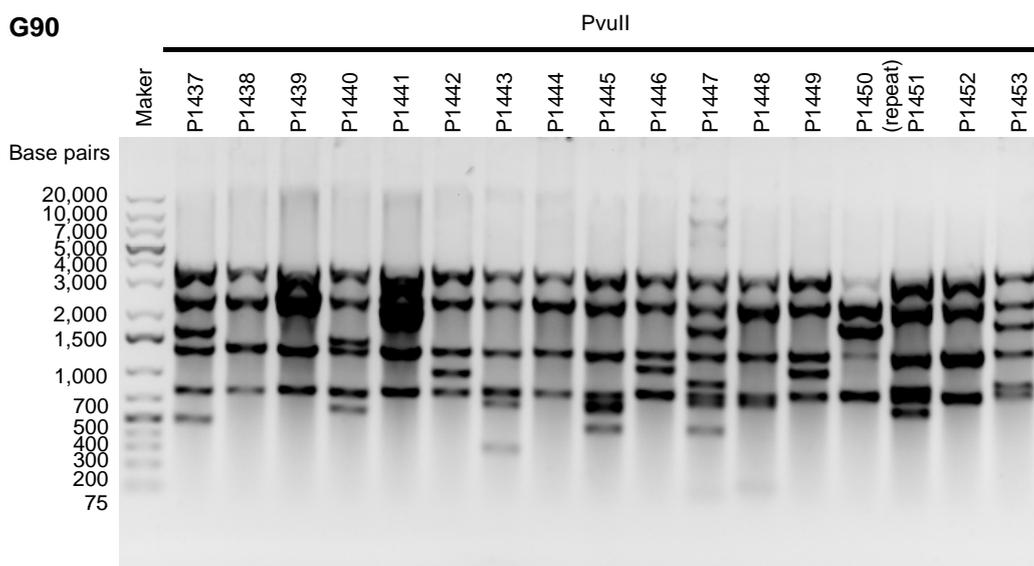
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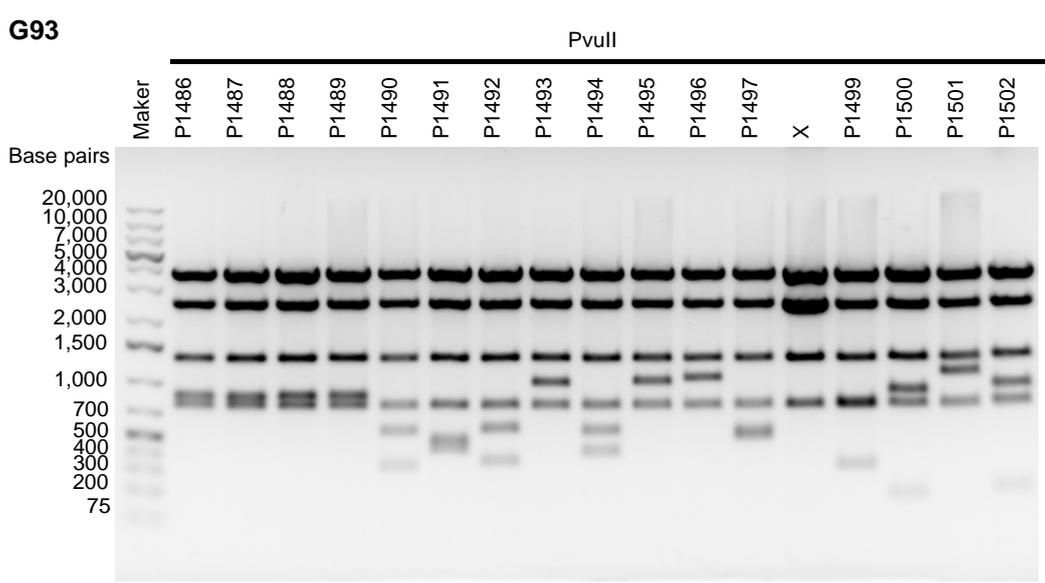
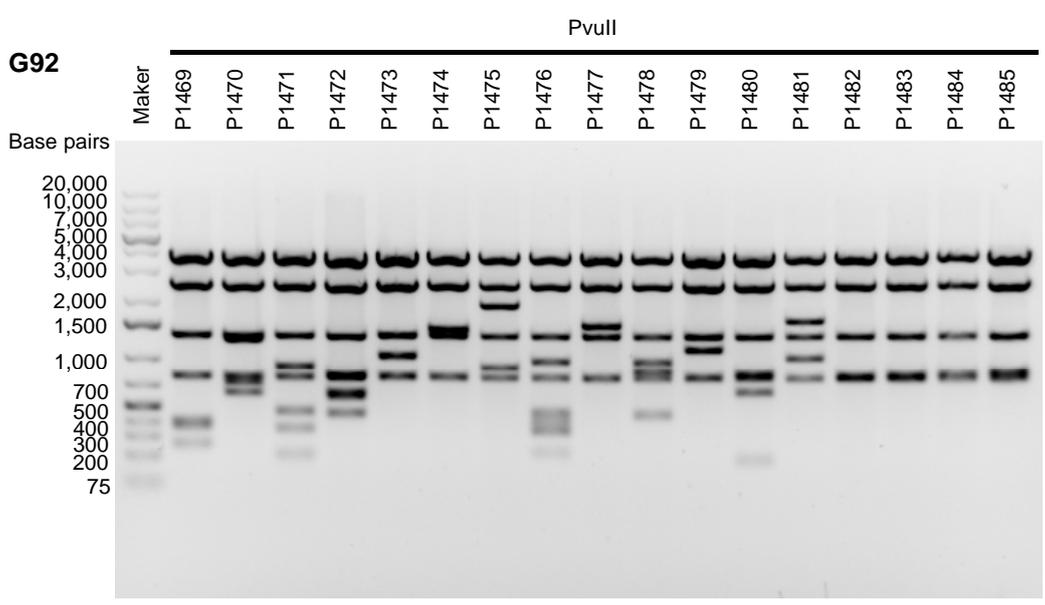
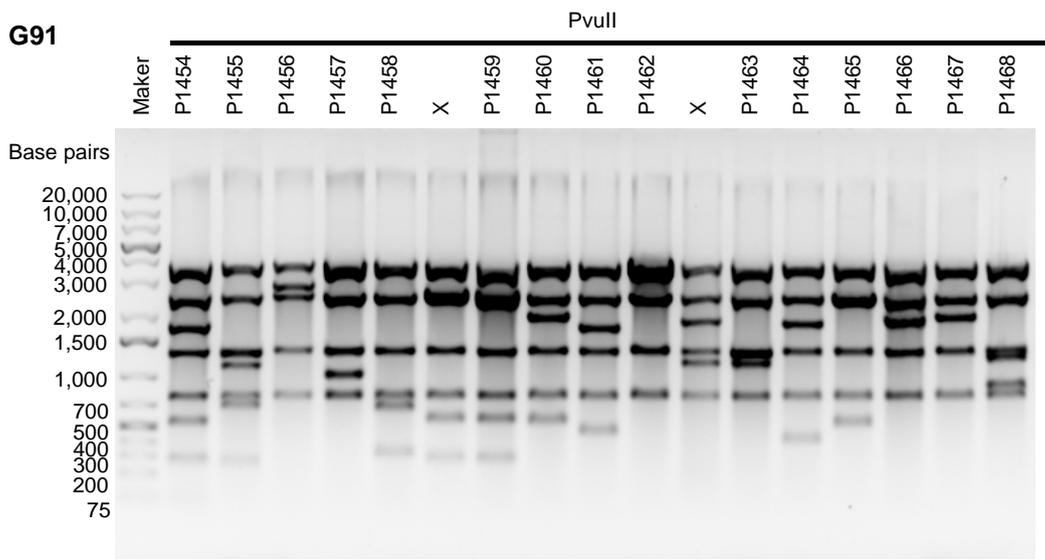
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**G87**

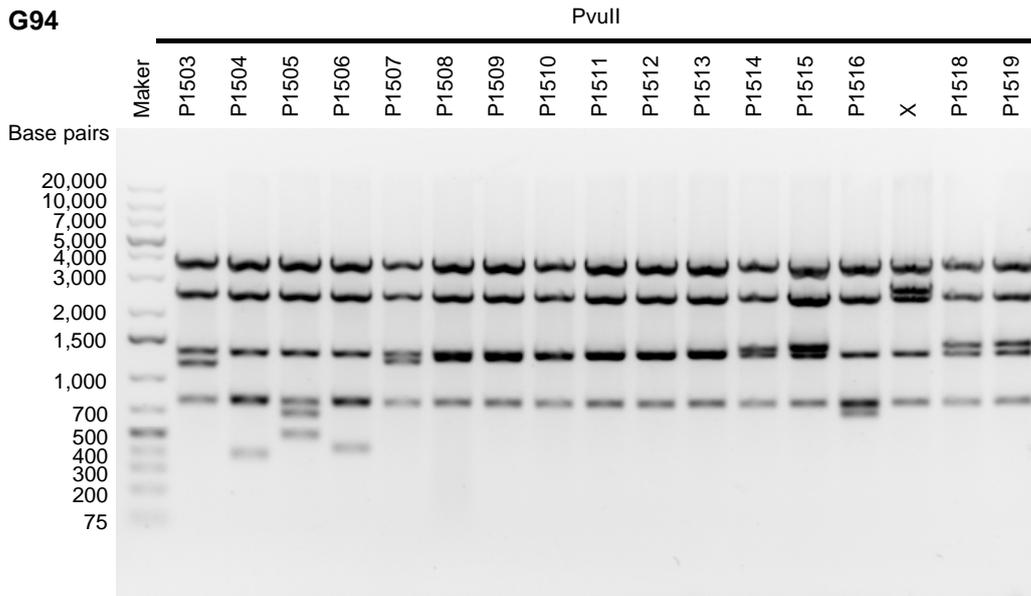
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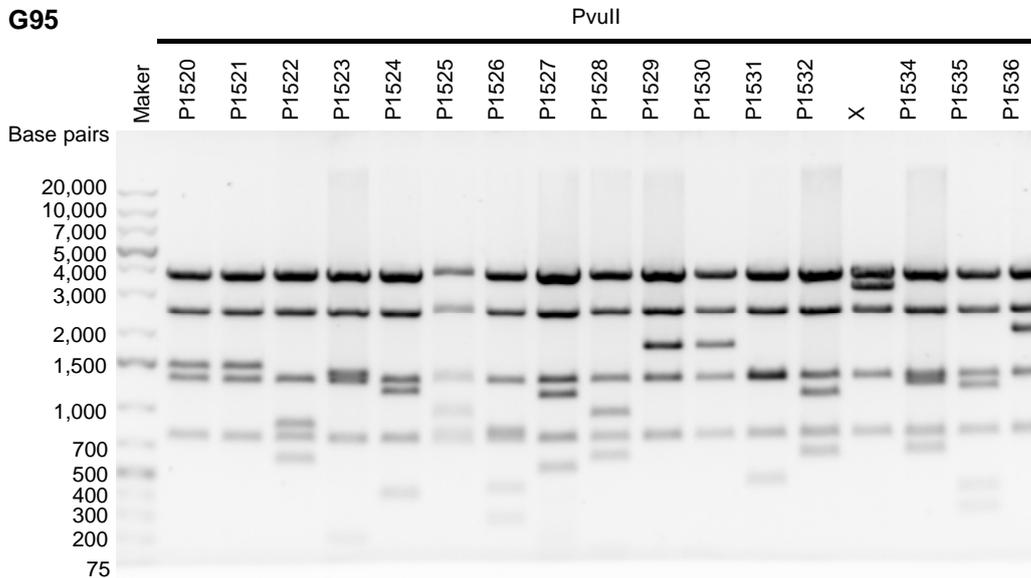
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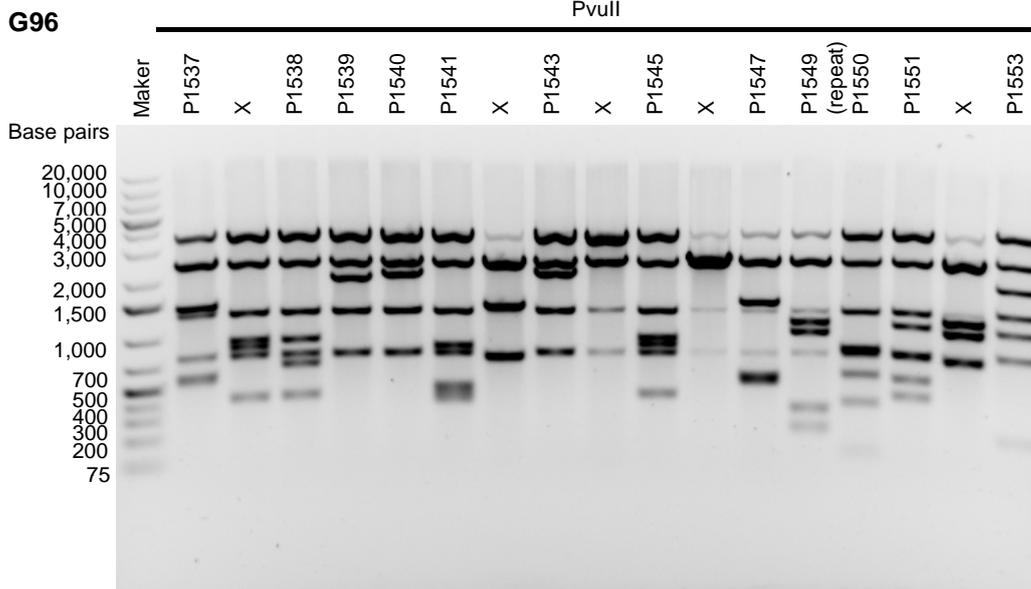
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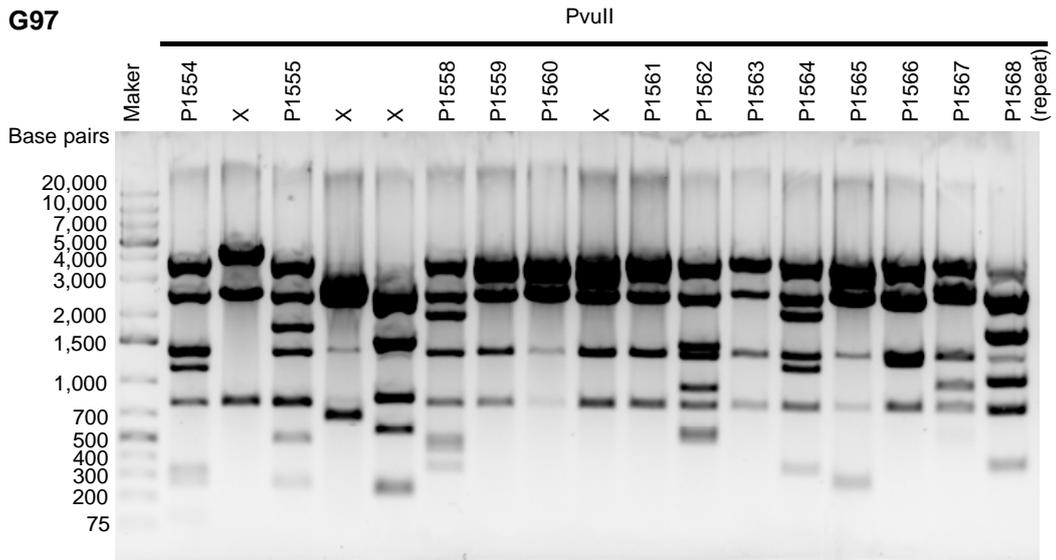
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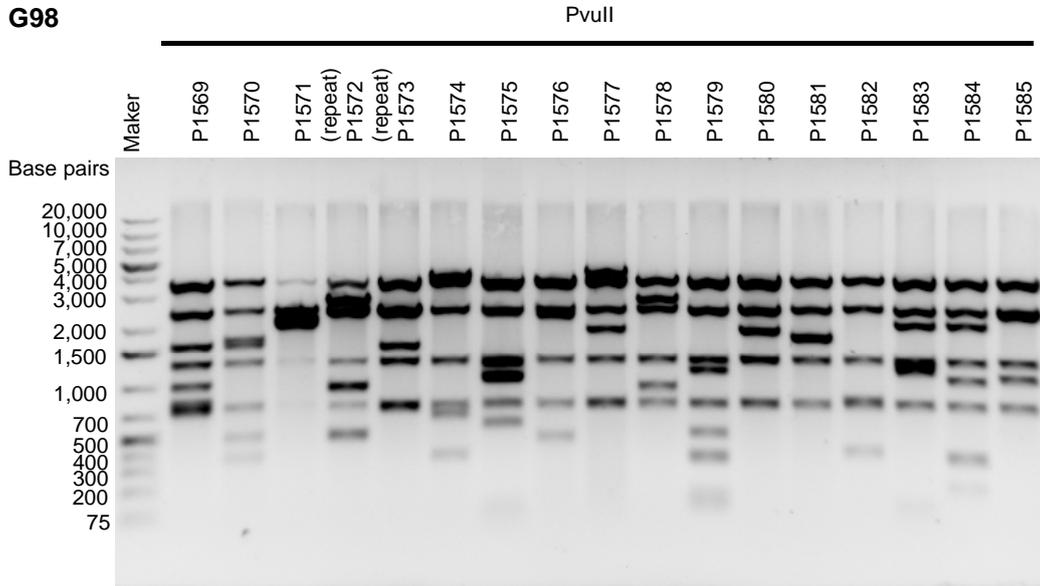
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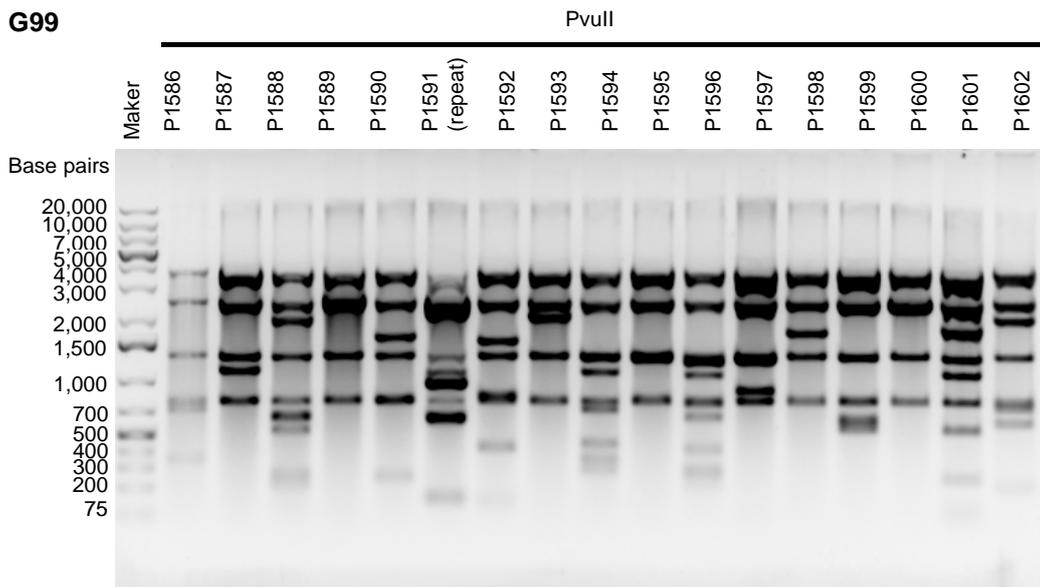
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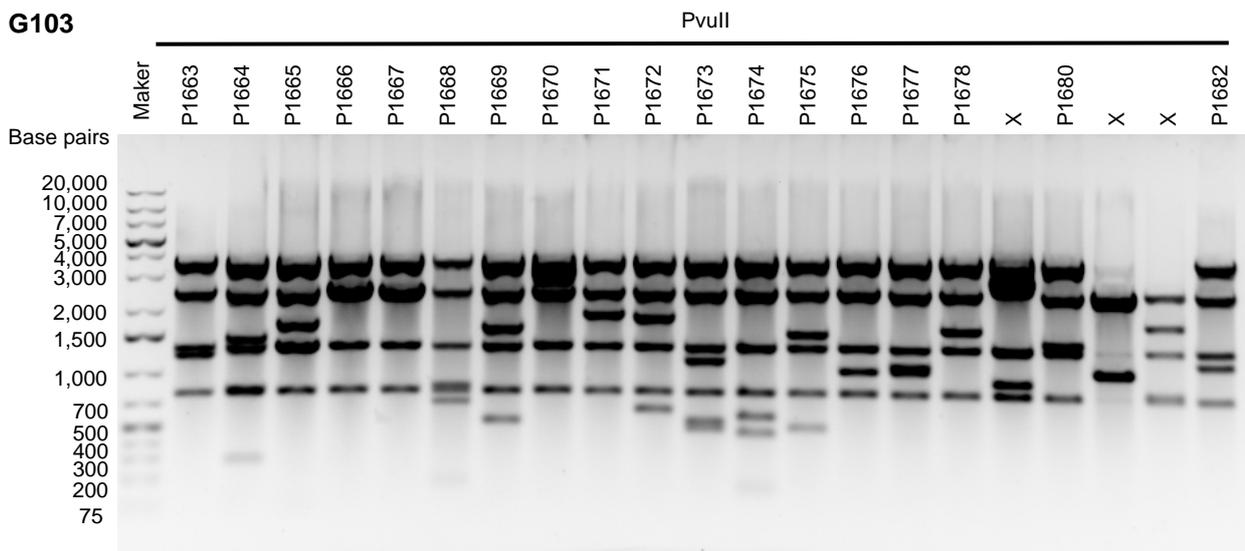
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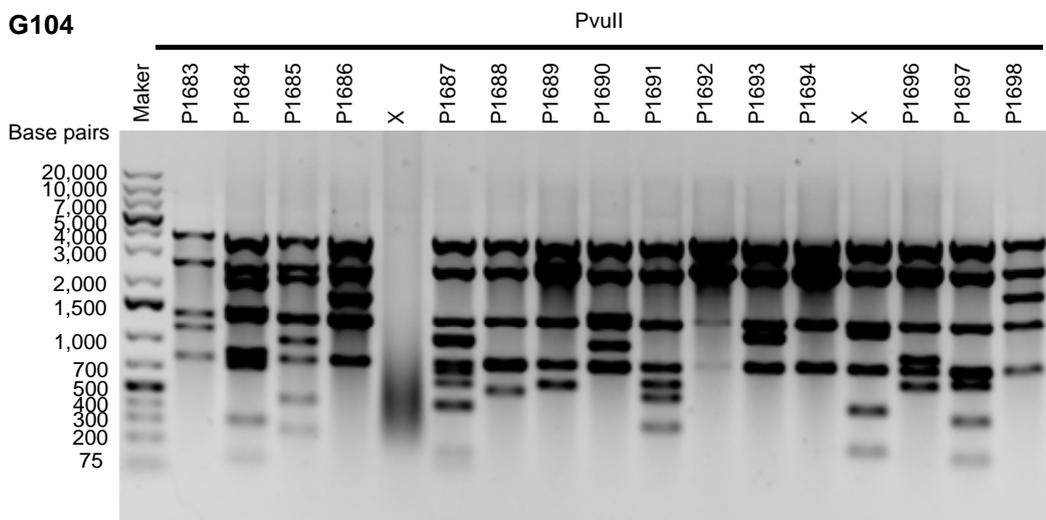
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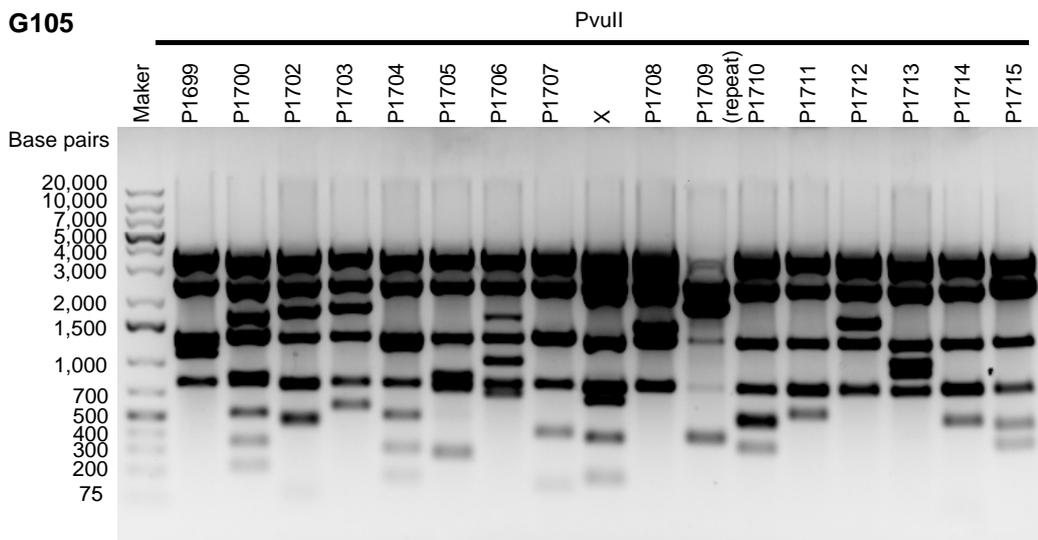
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G104

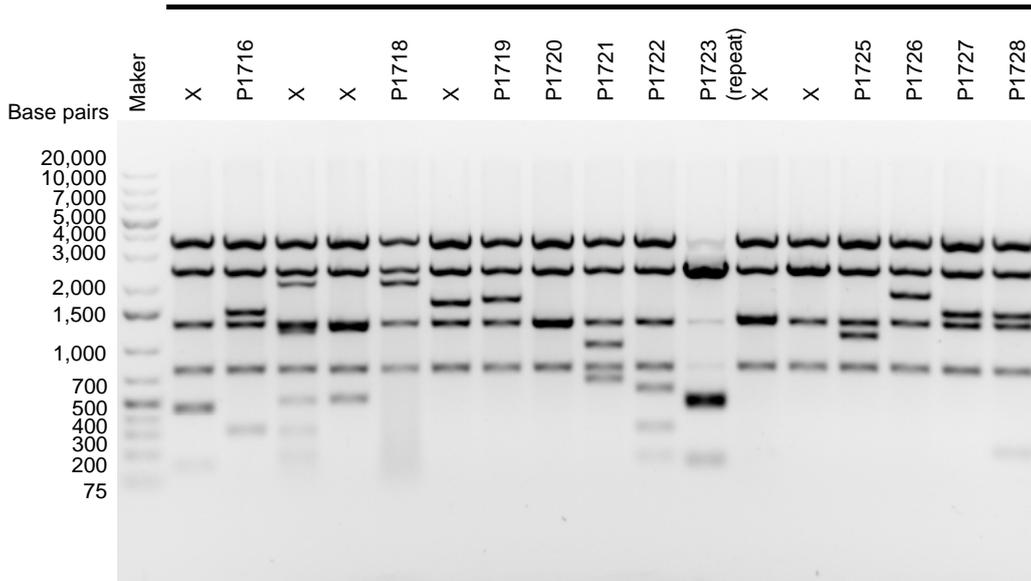


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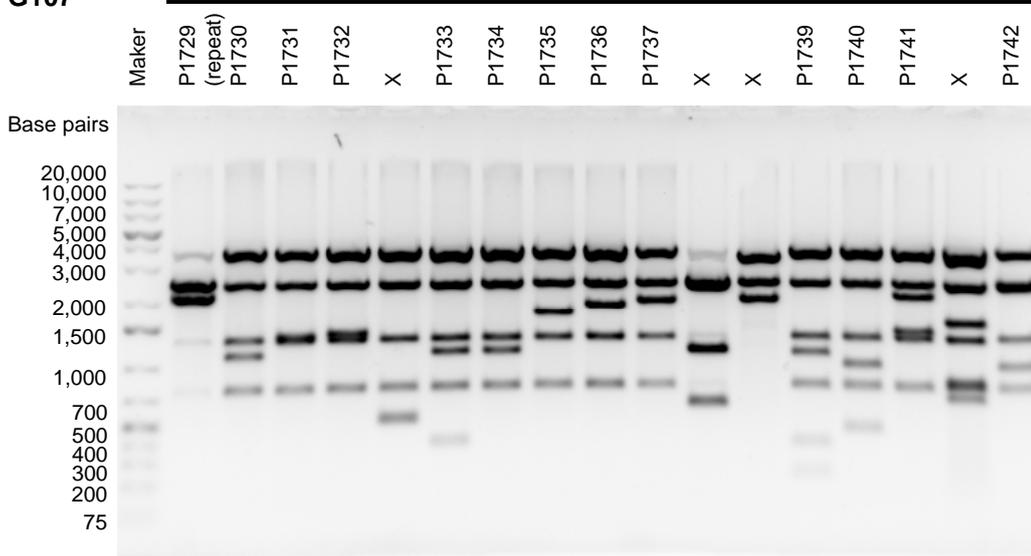
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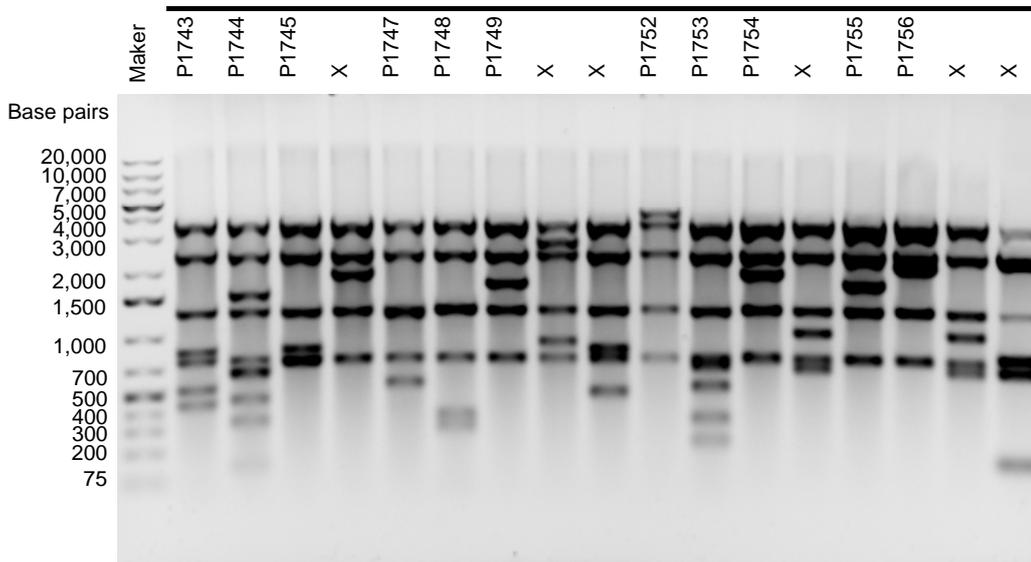
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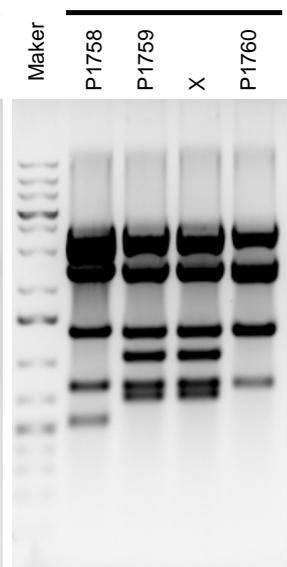


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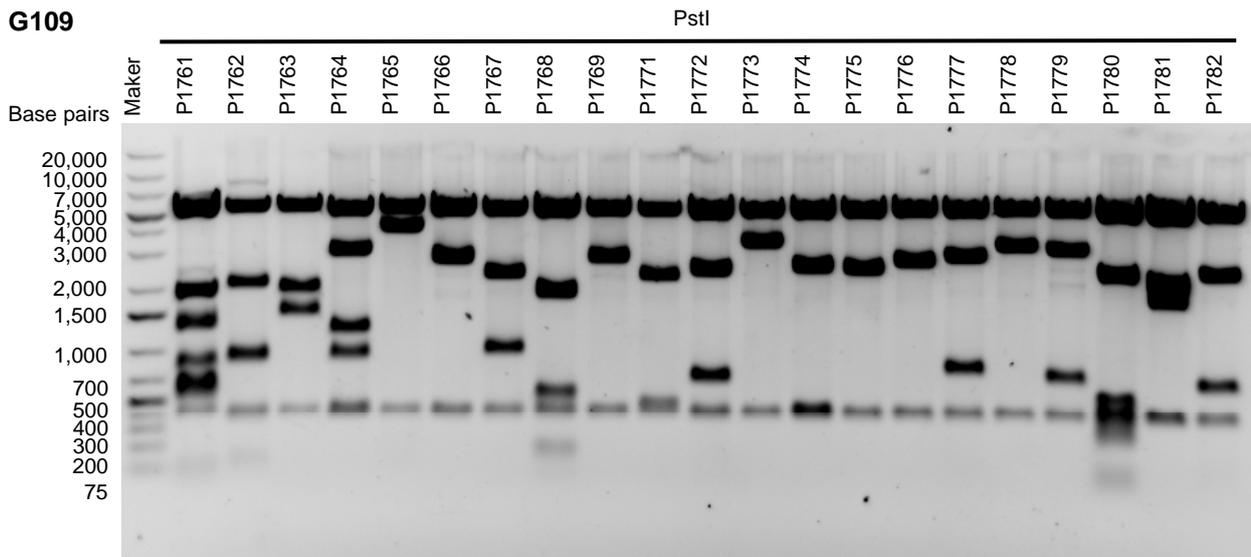
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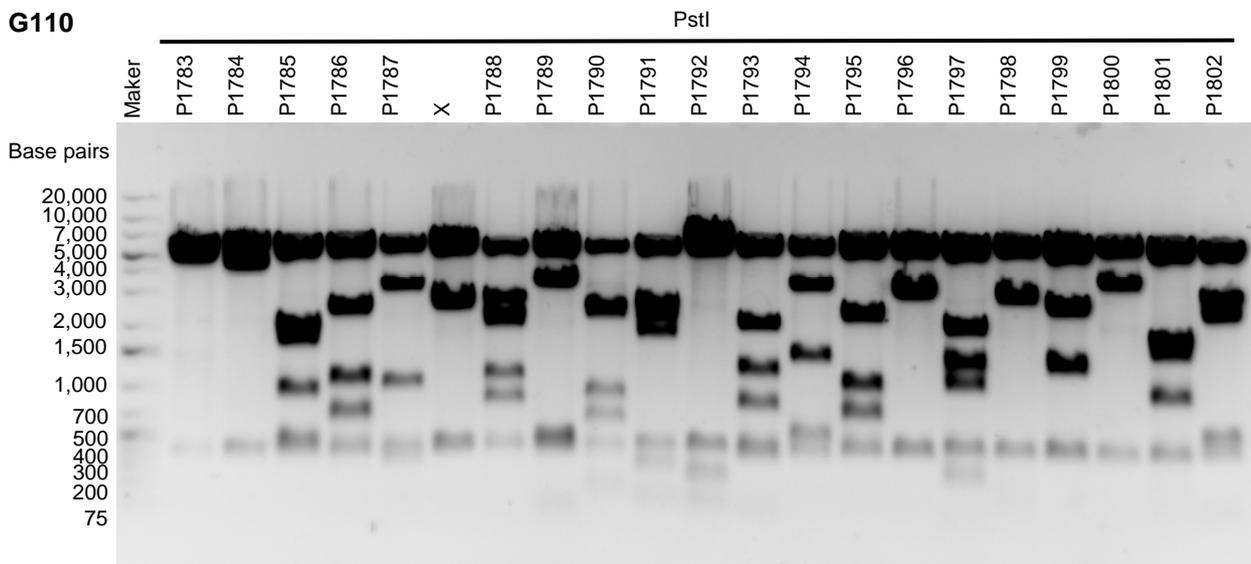
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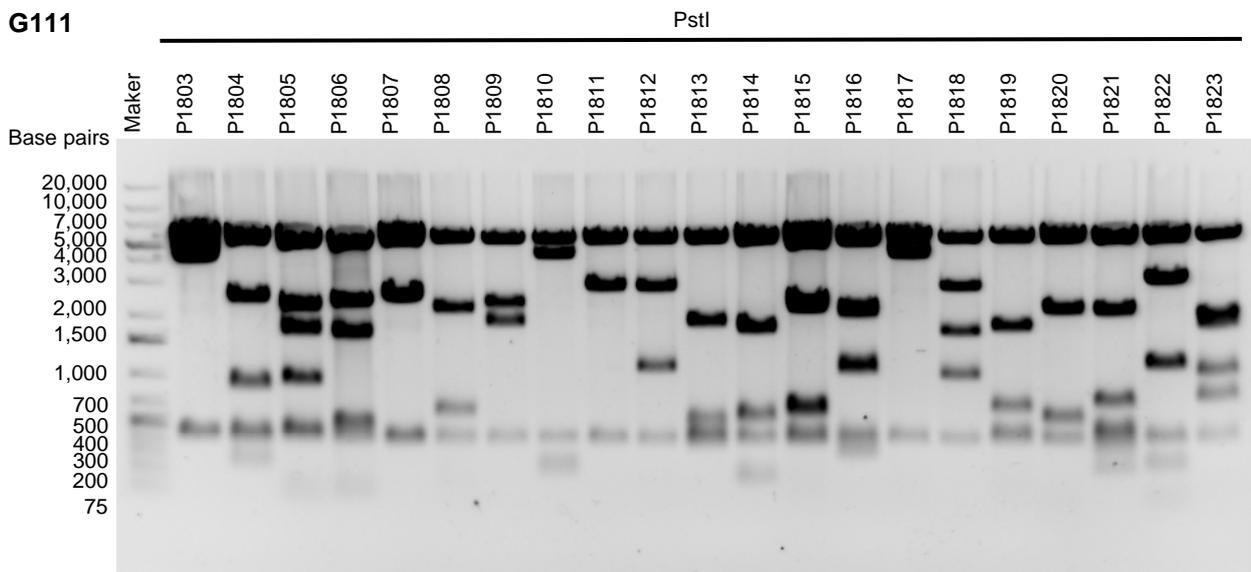
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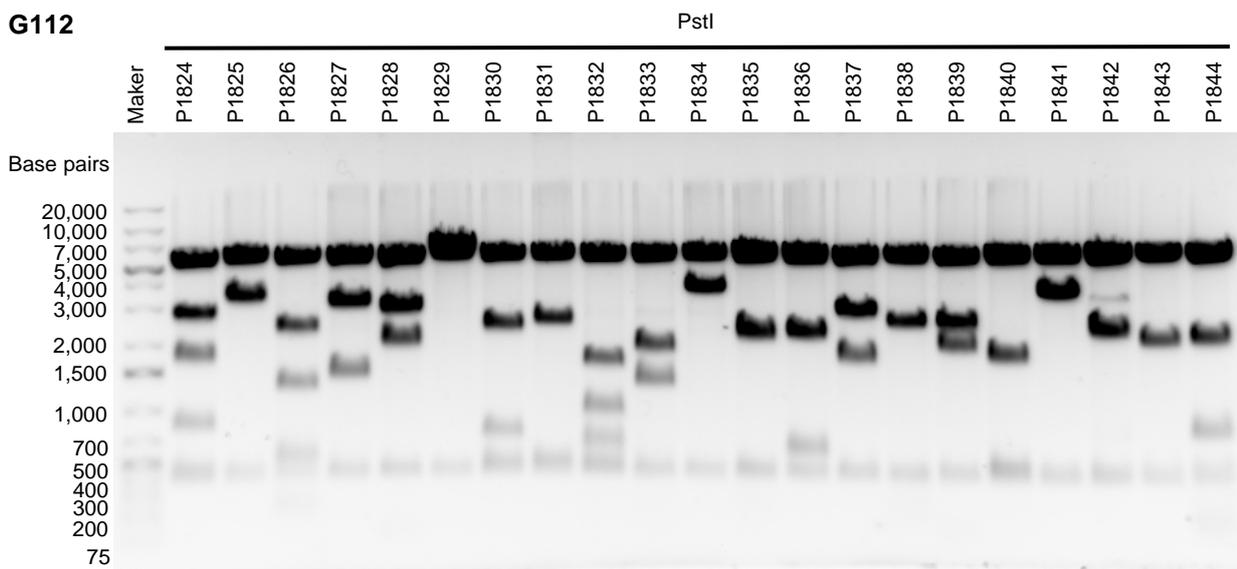
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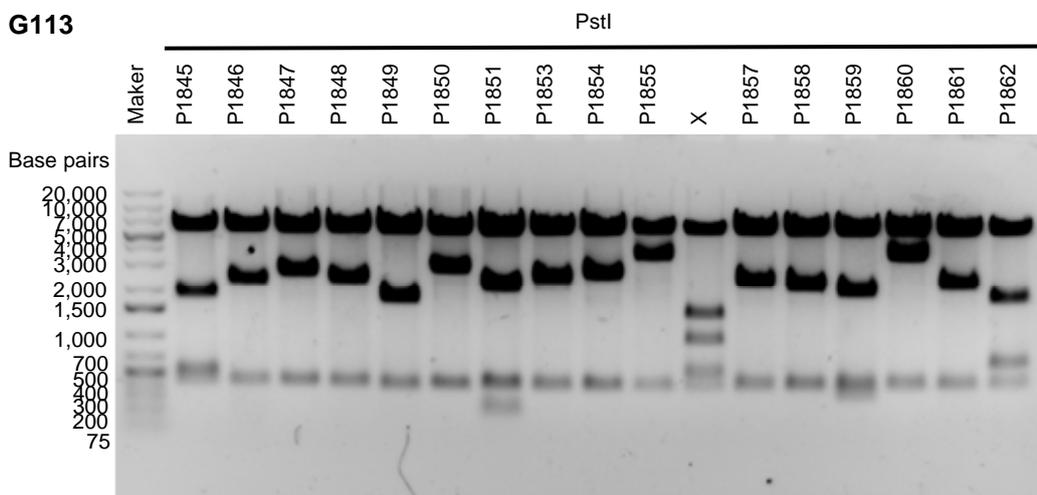
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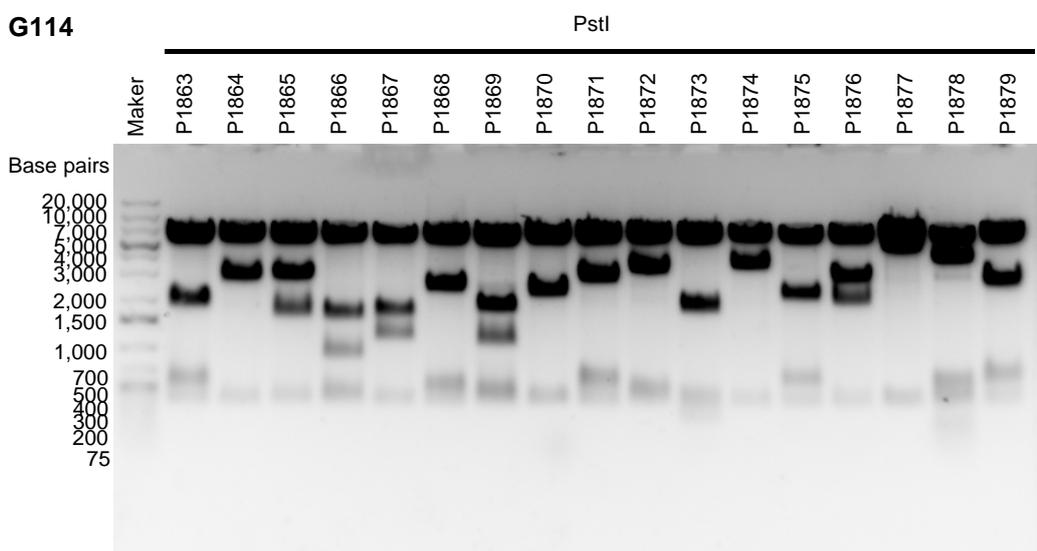
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G113

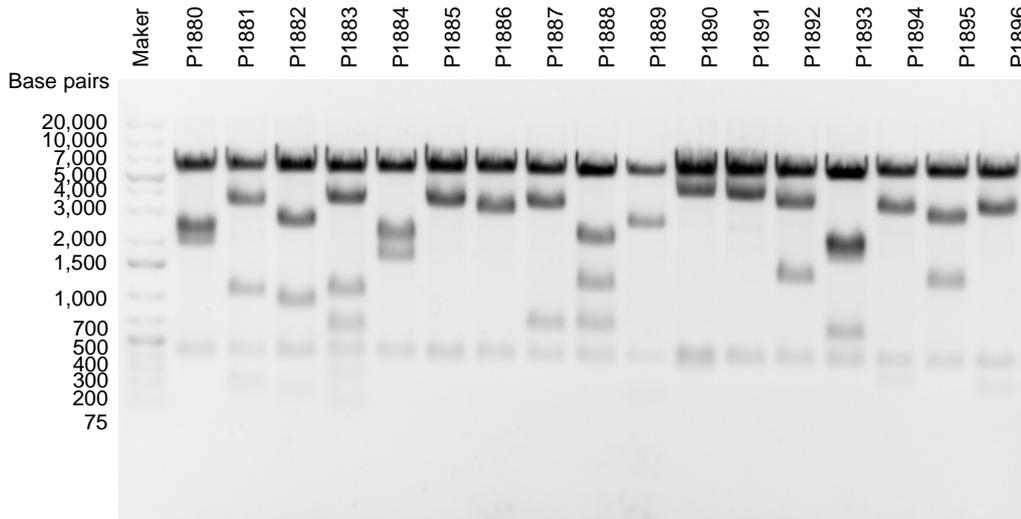


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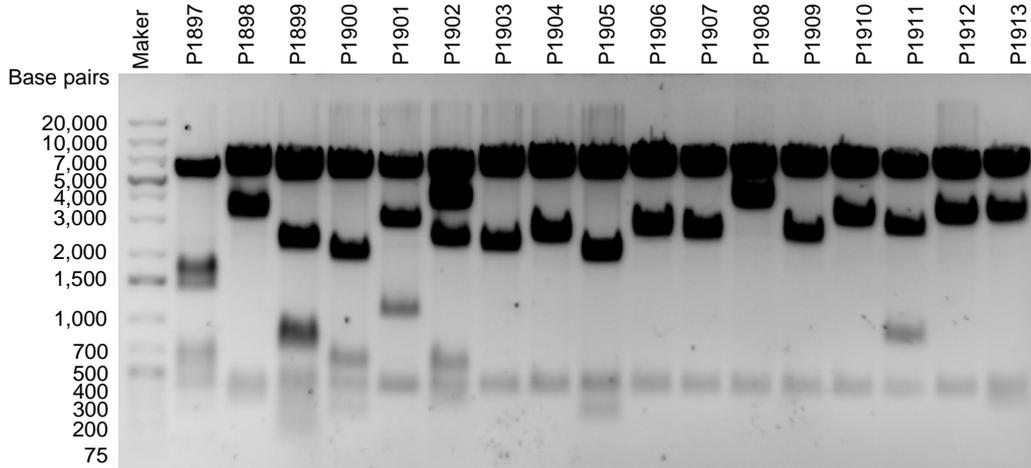
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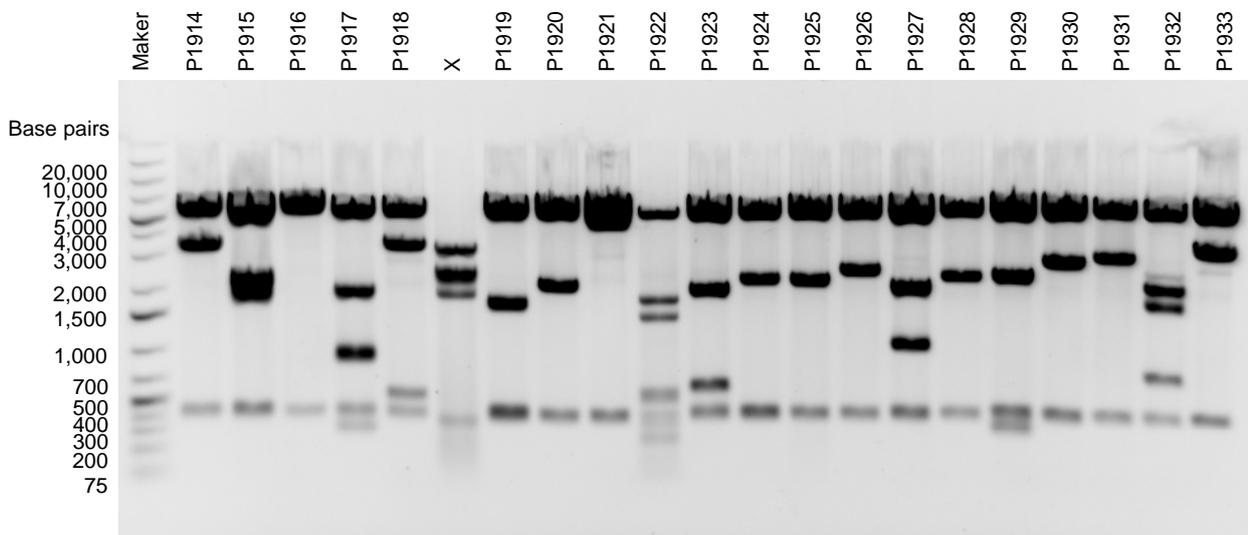
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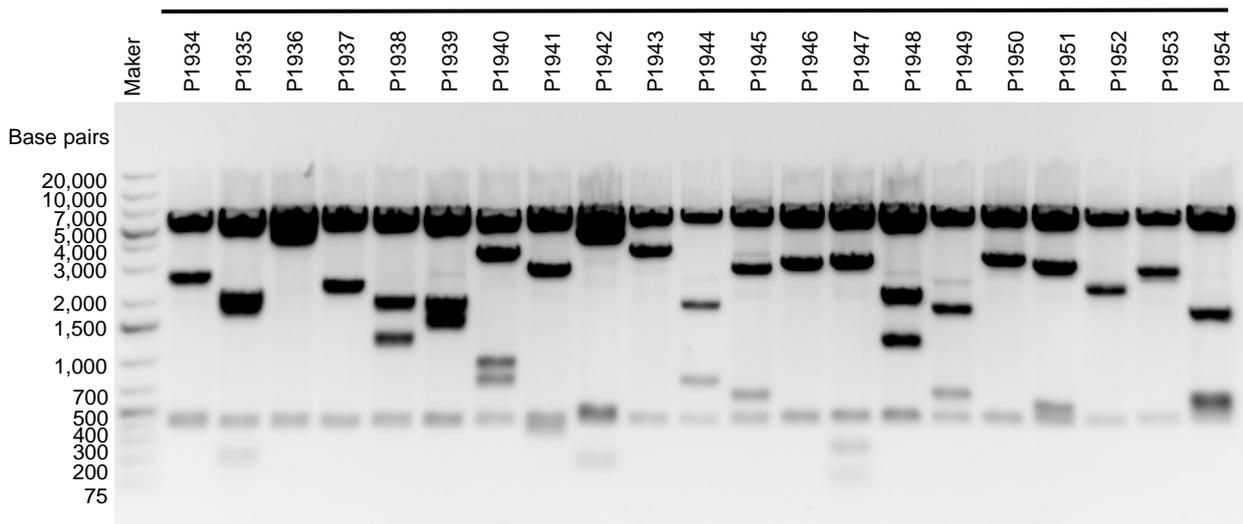
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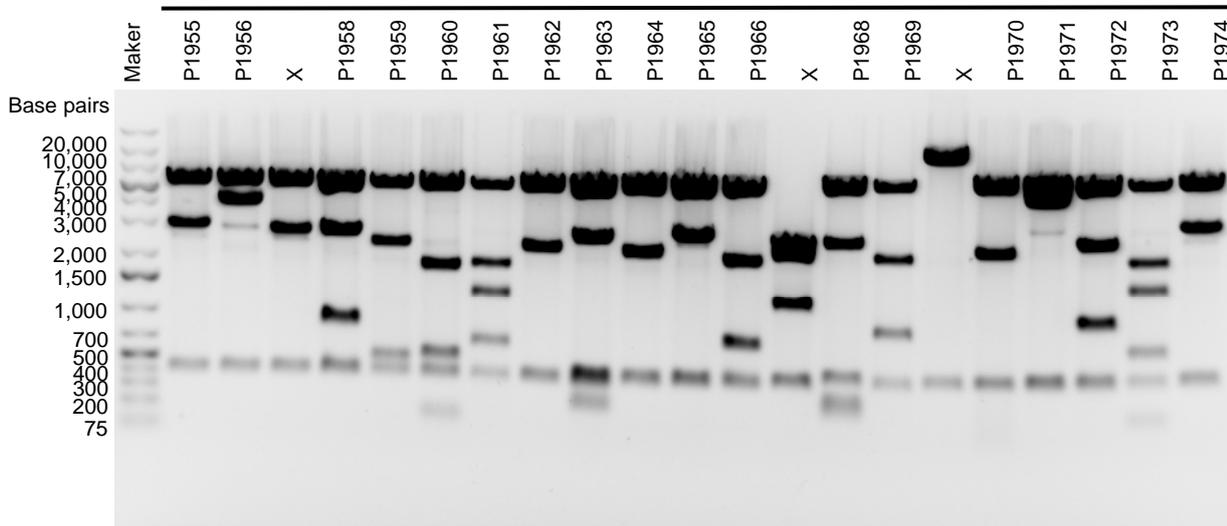


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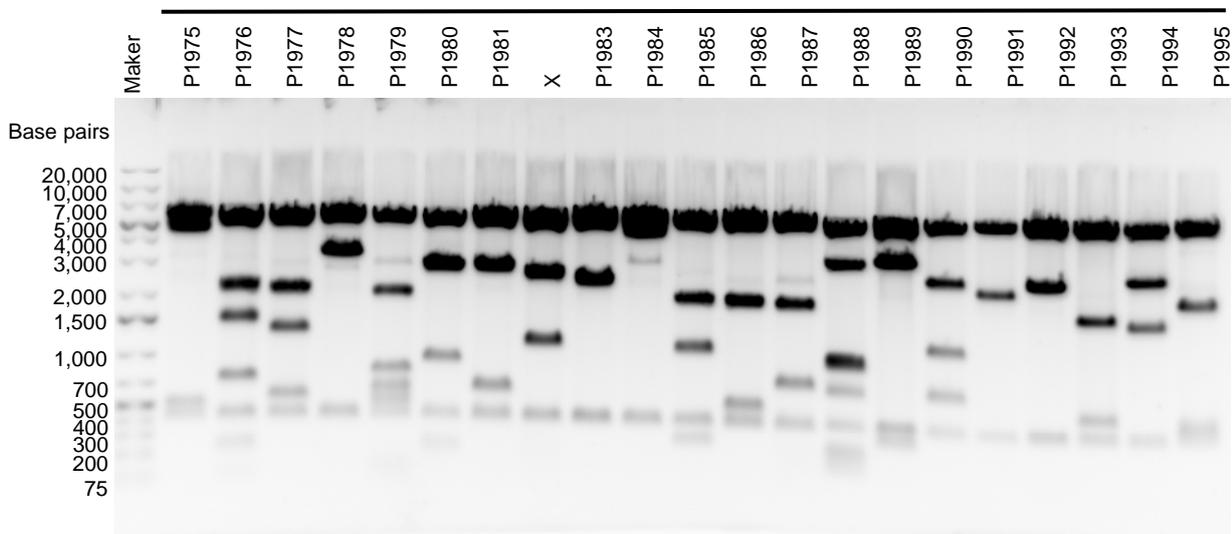
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**G119**

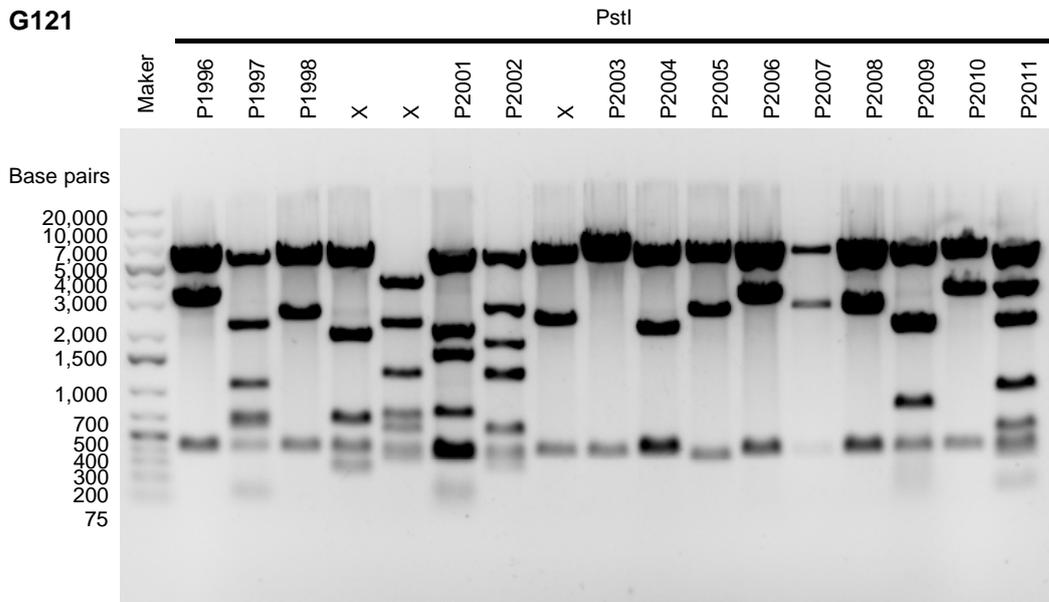
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**G120**

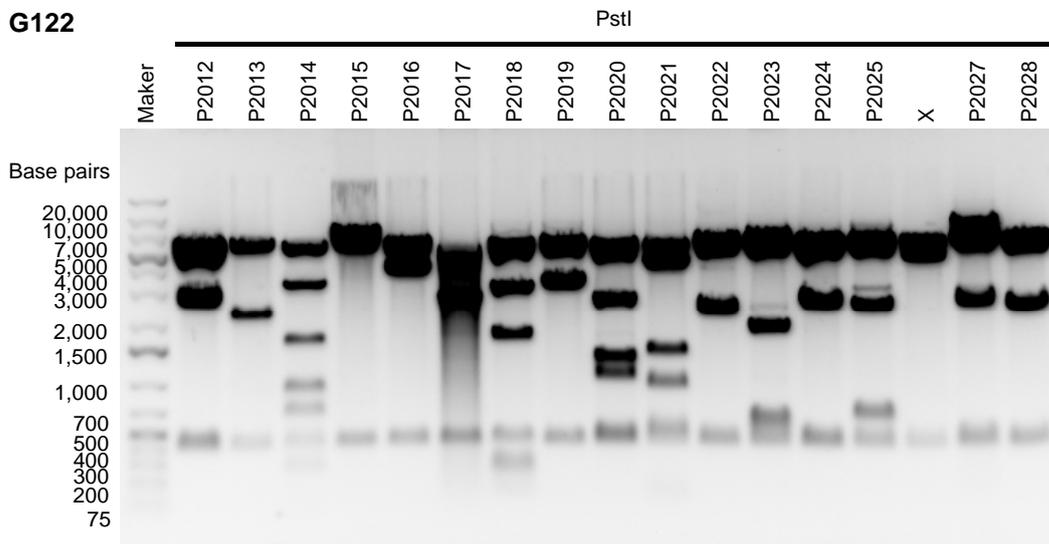
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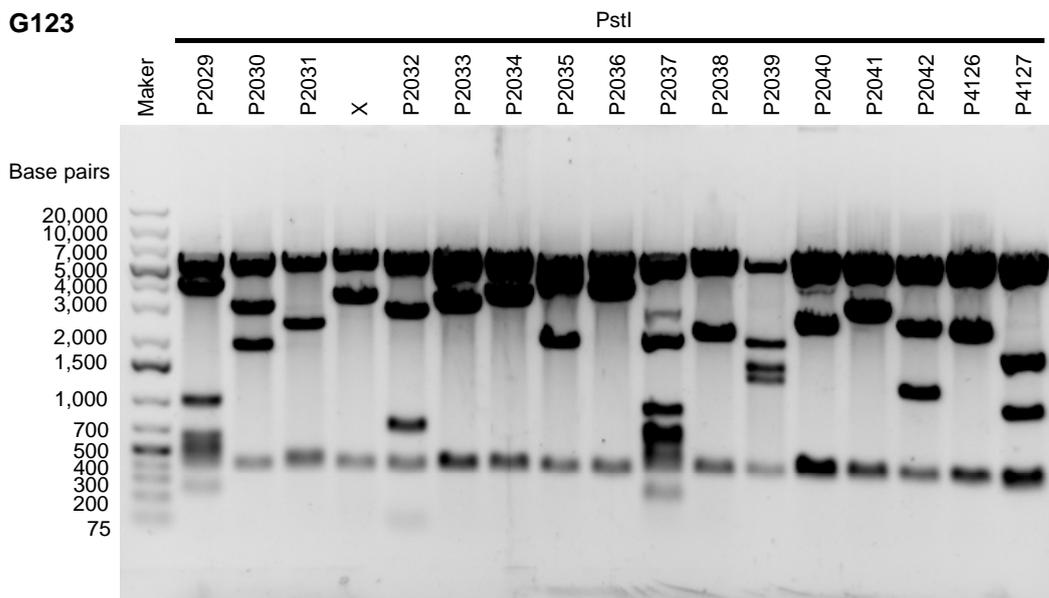
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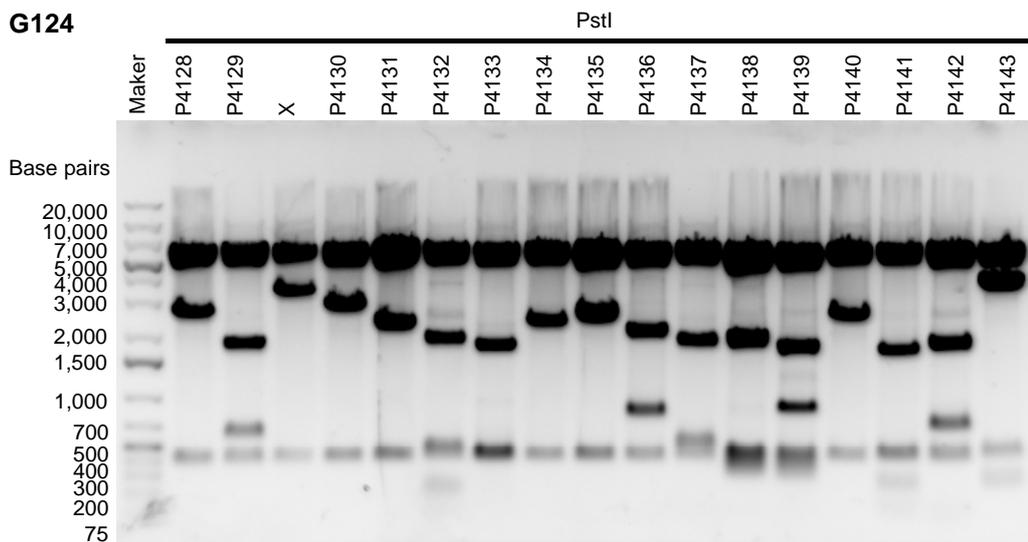
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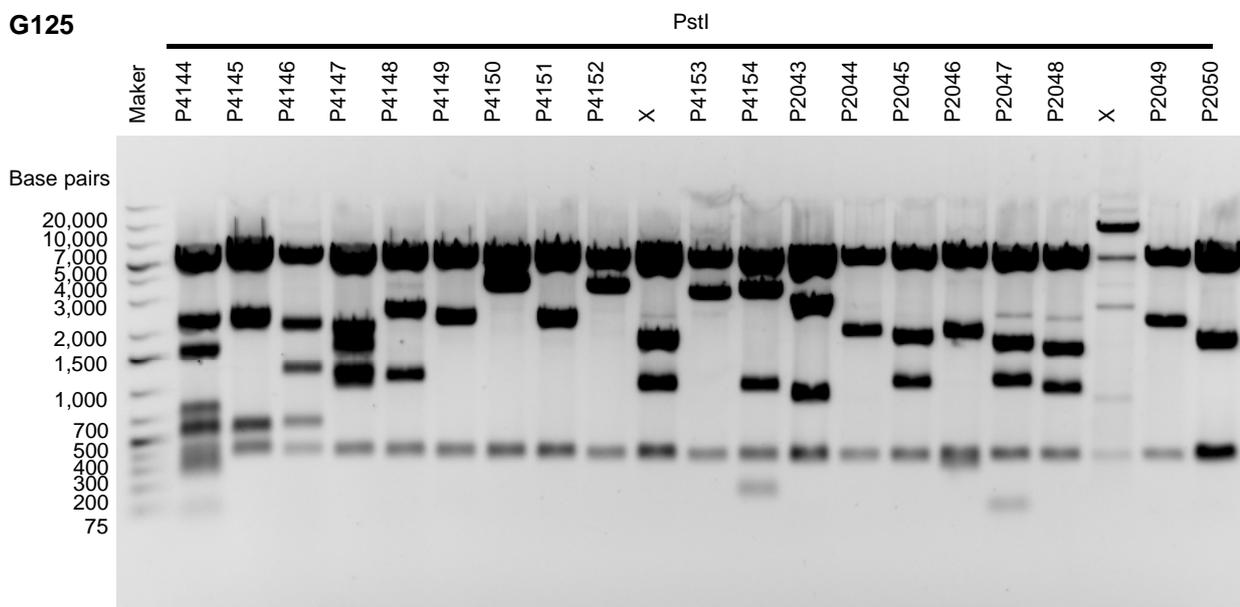
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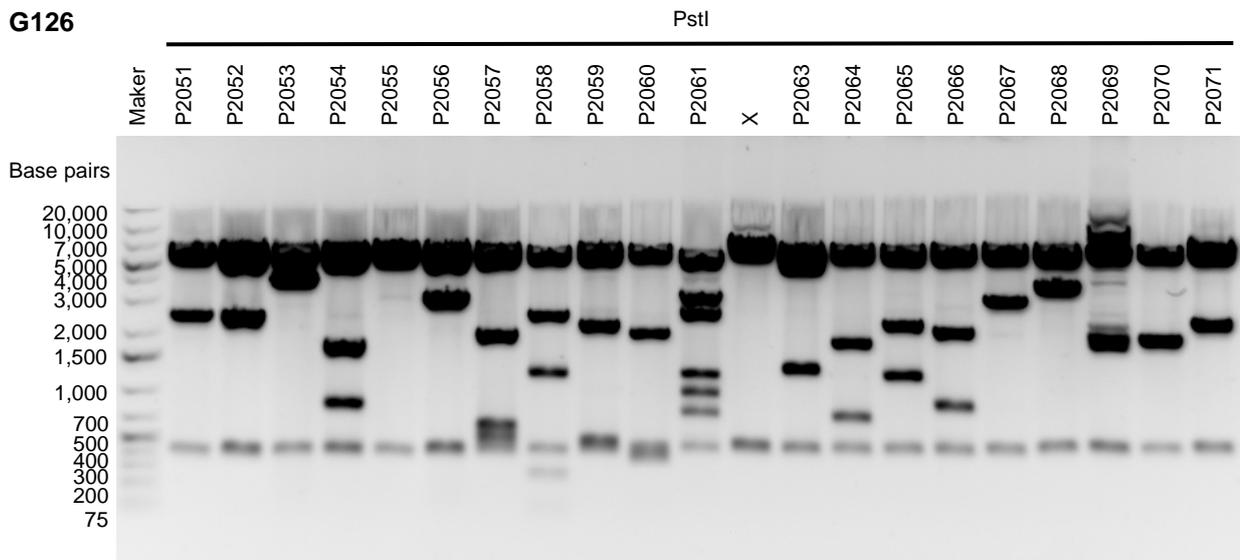
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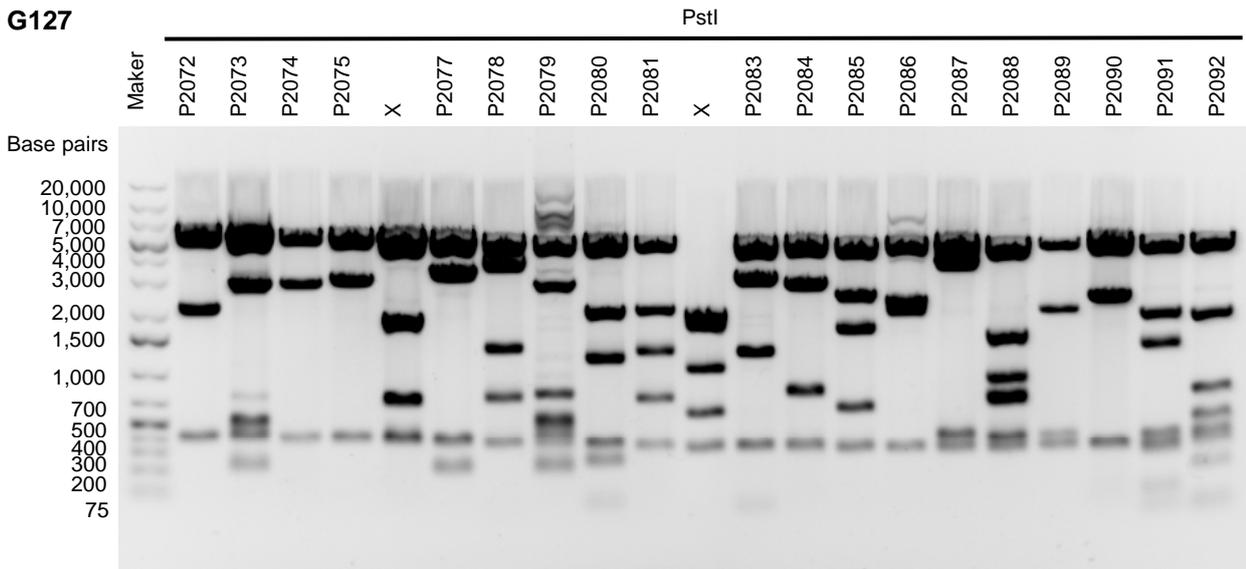
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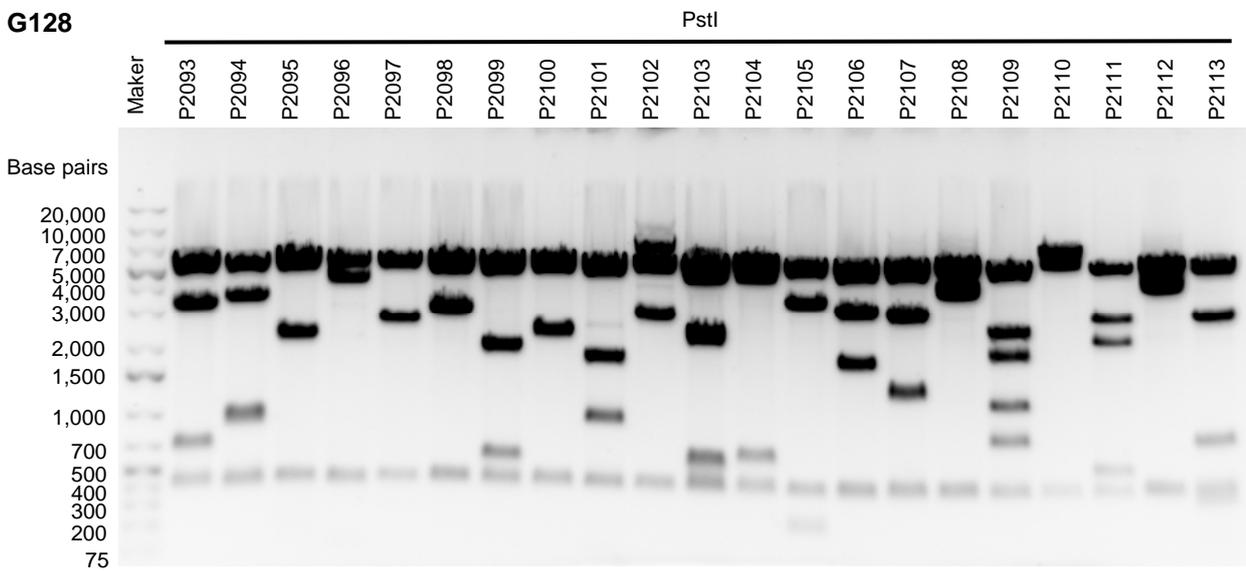
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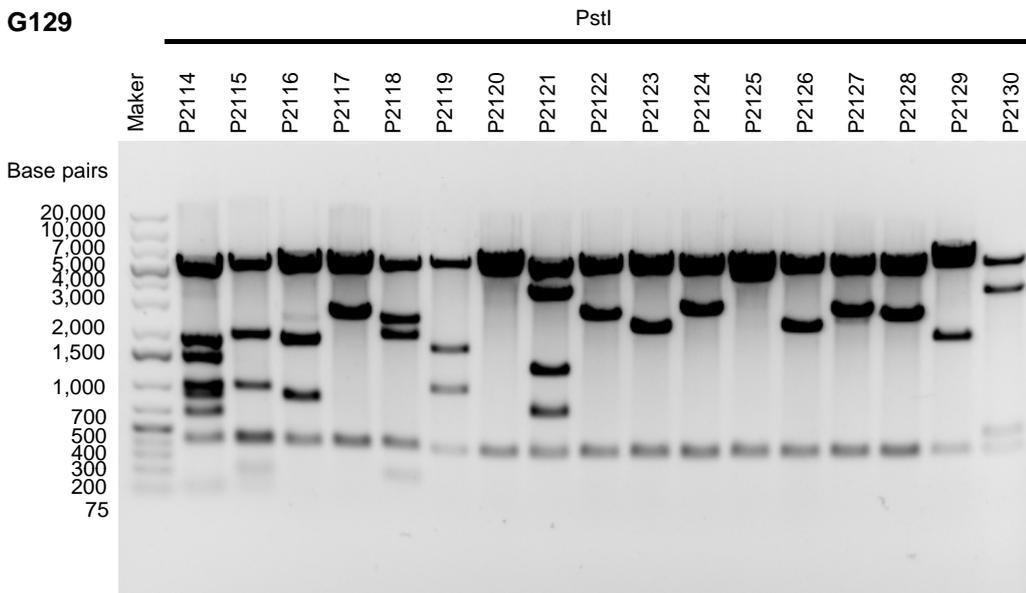
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G128

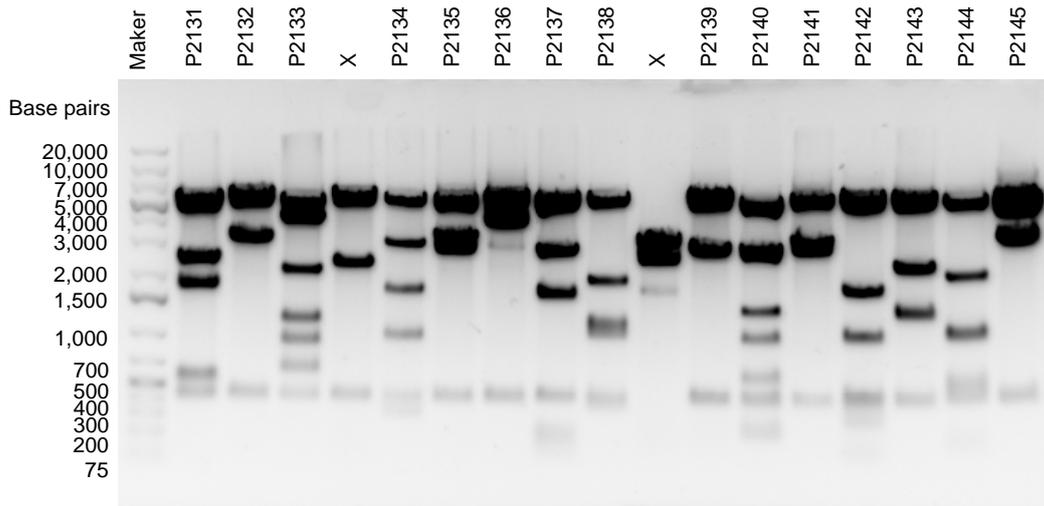


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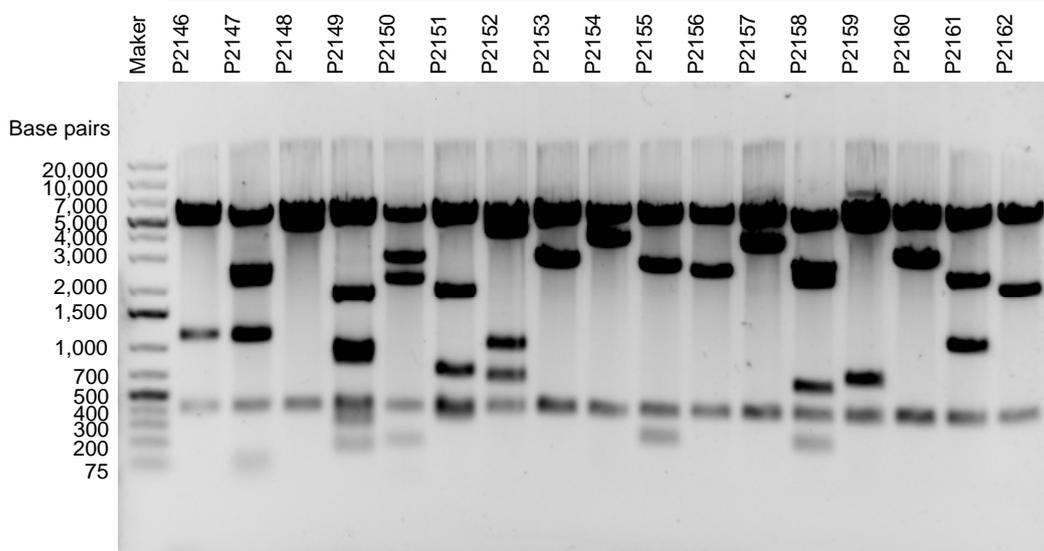
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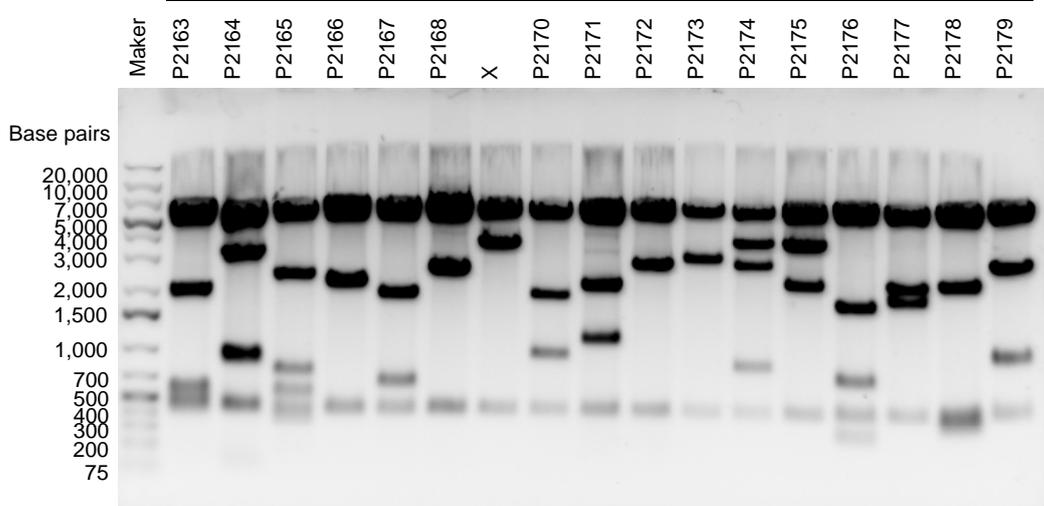
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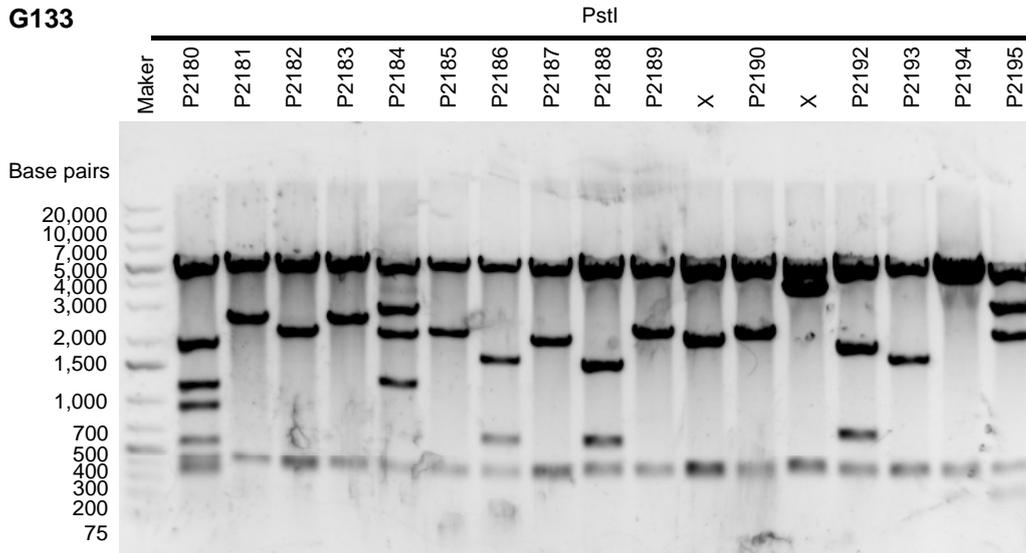


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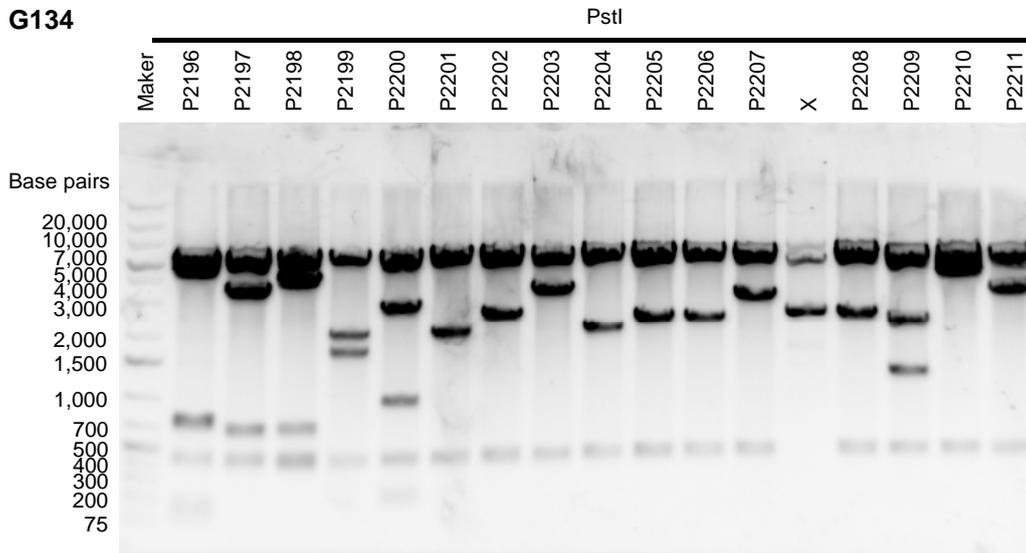
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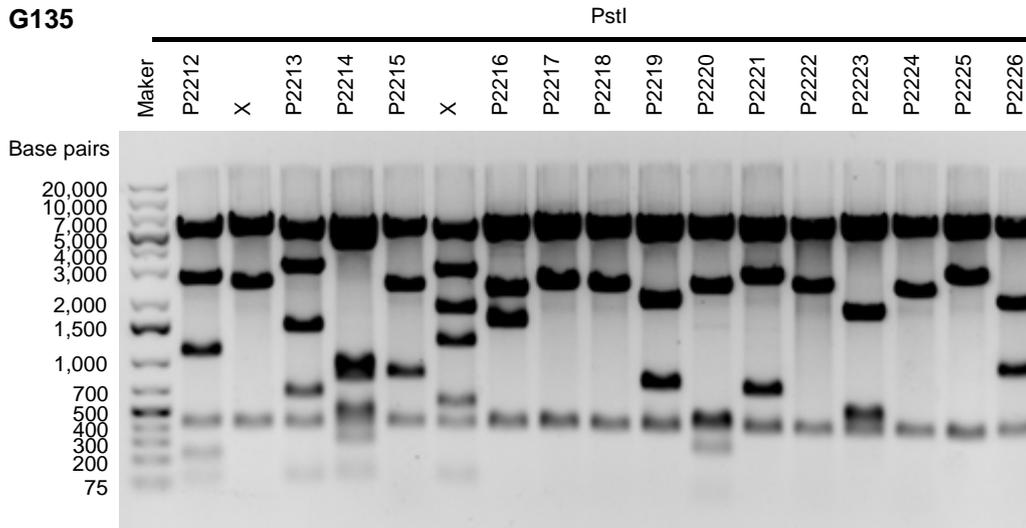
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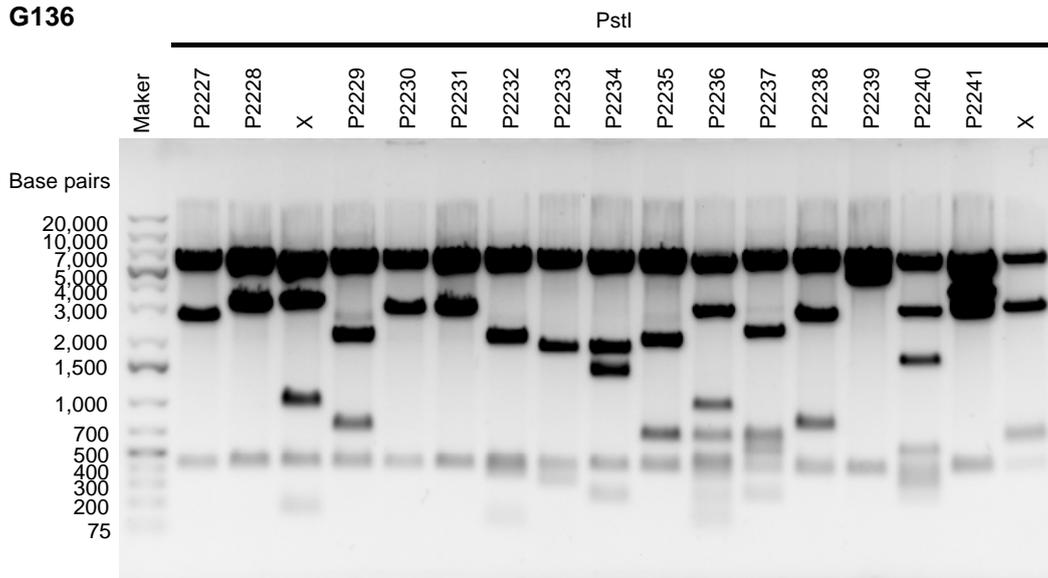
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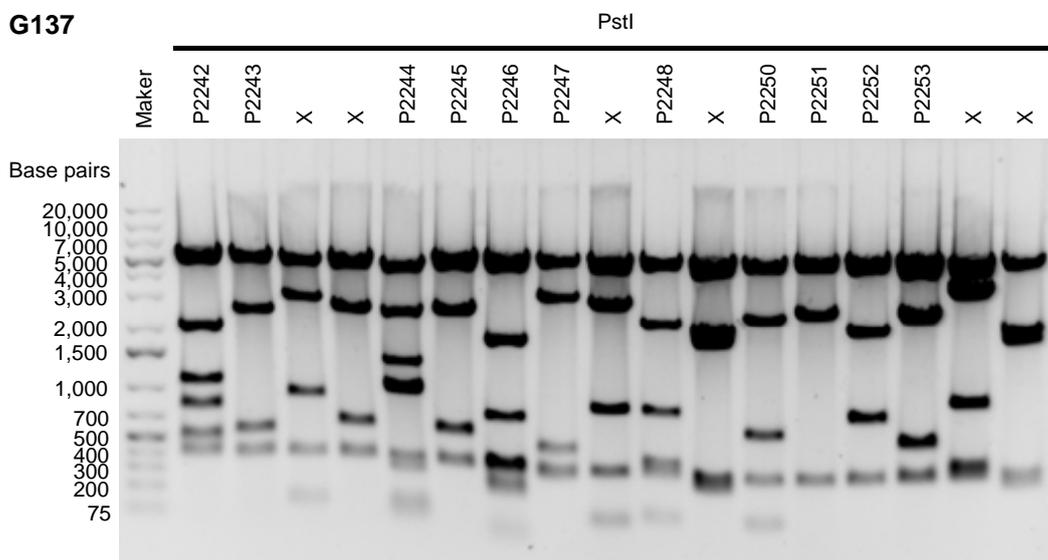
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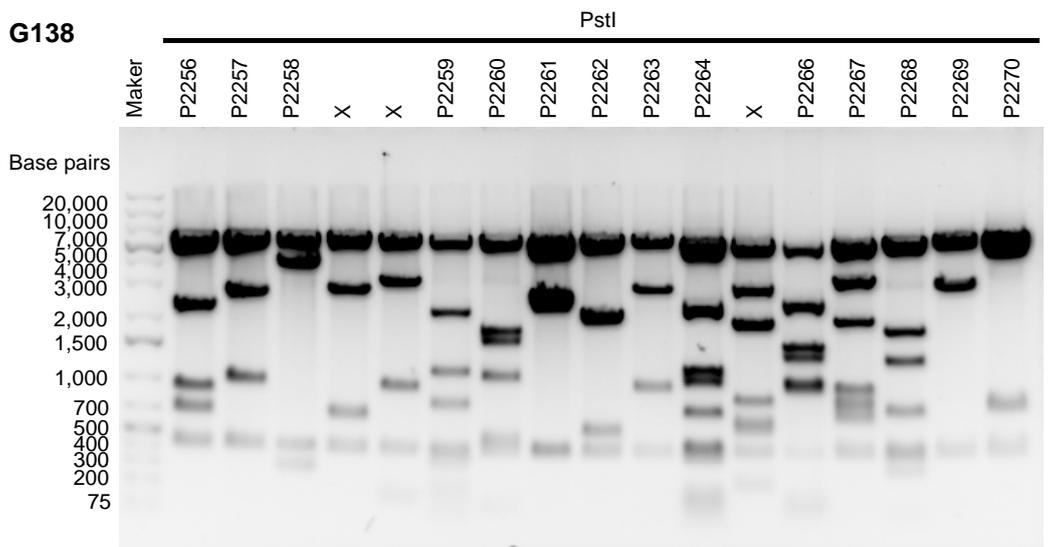
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G137

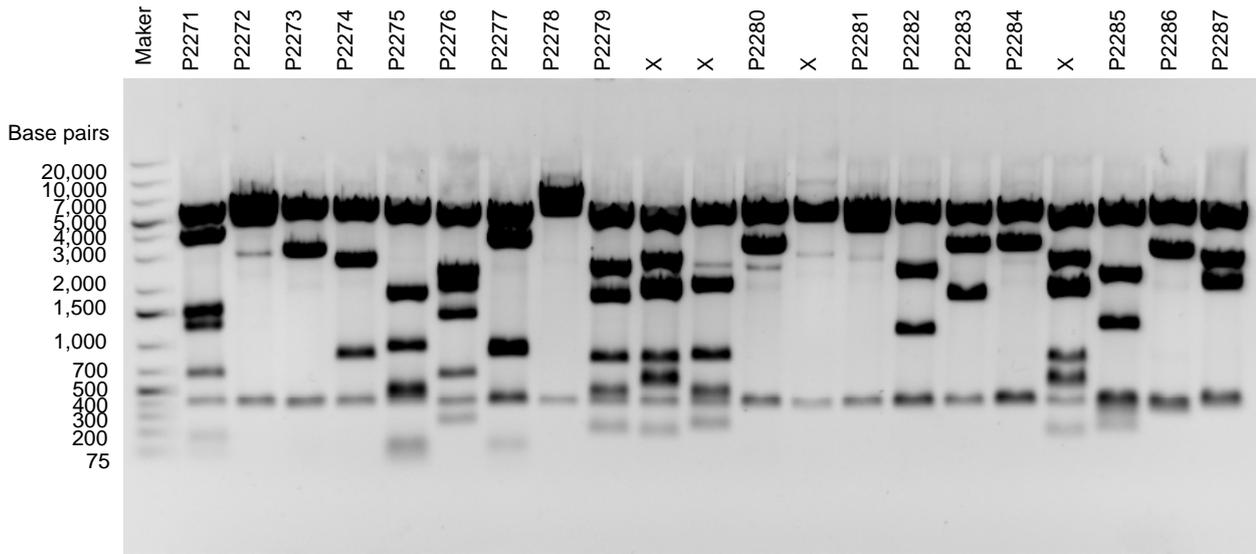


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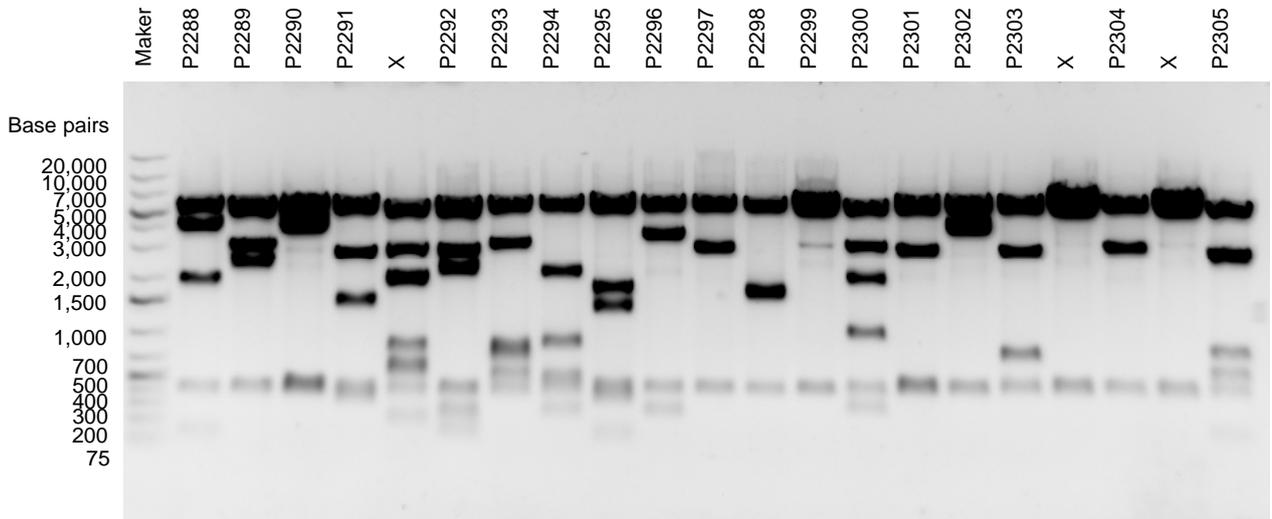
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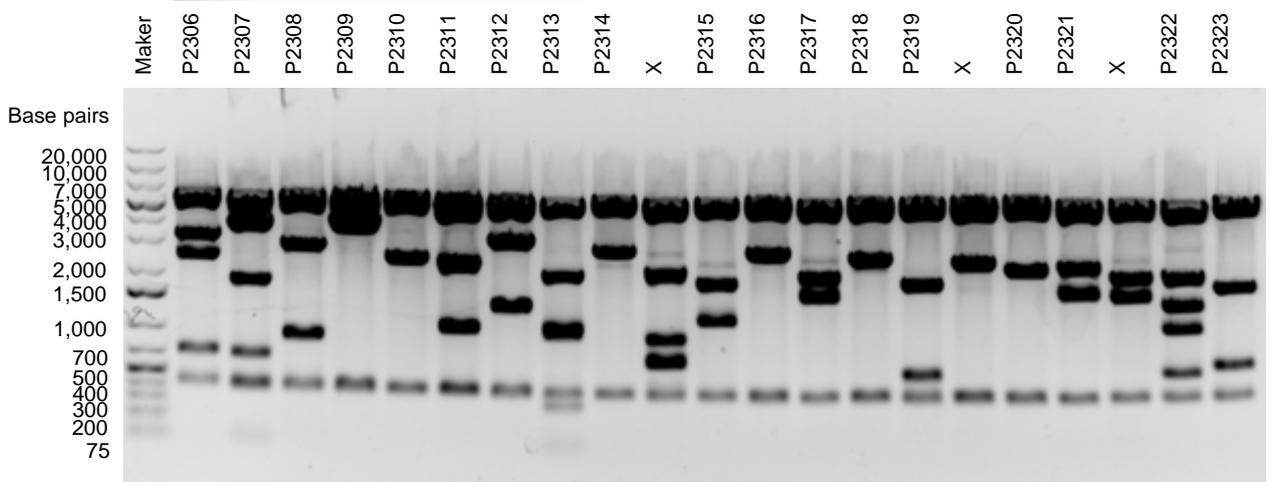
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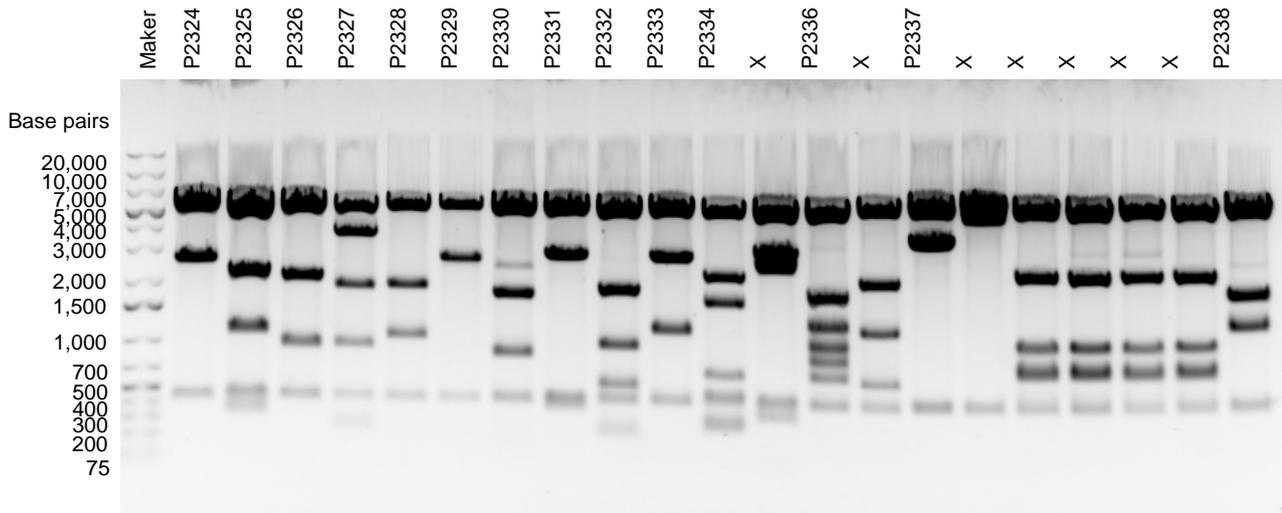
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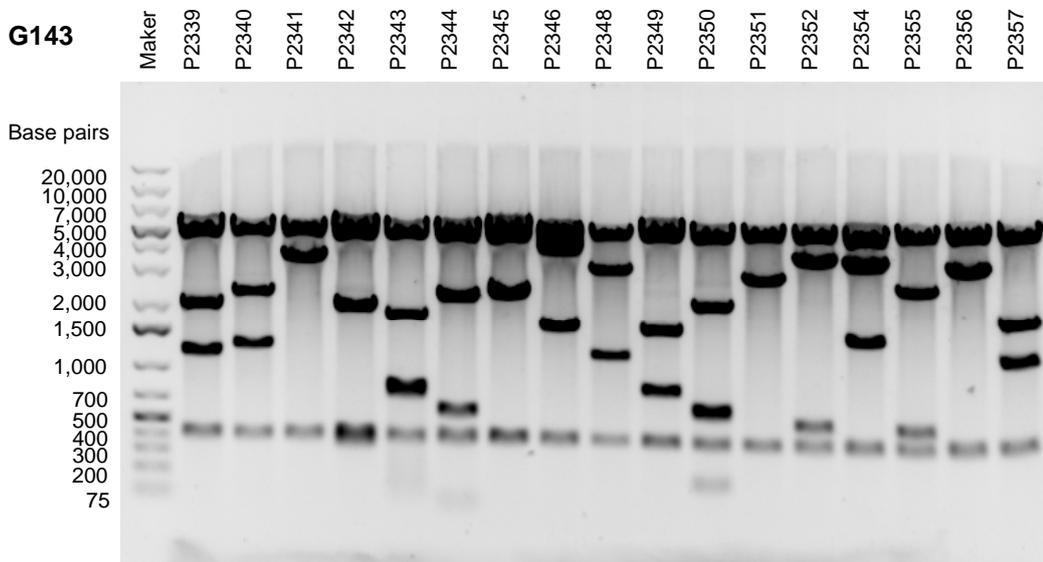
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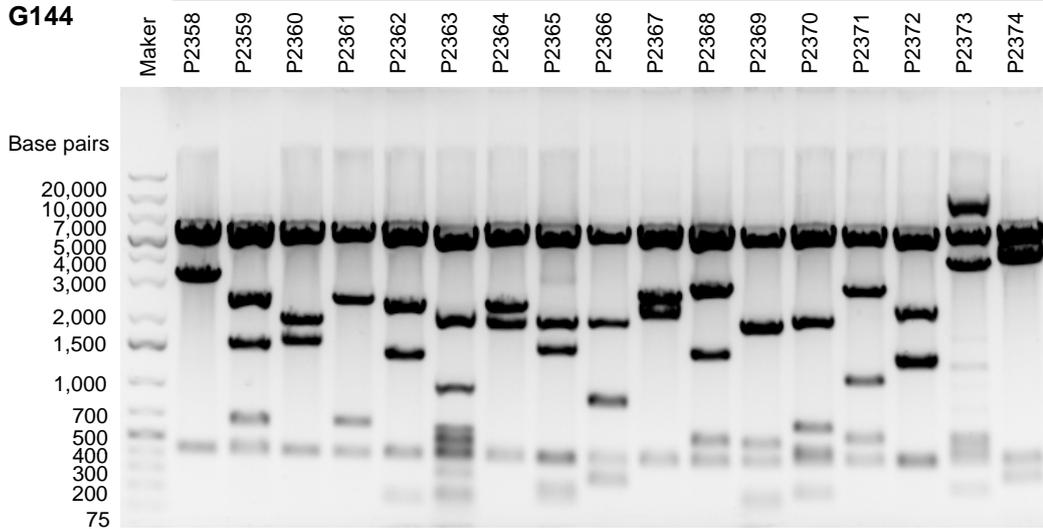
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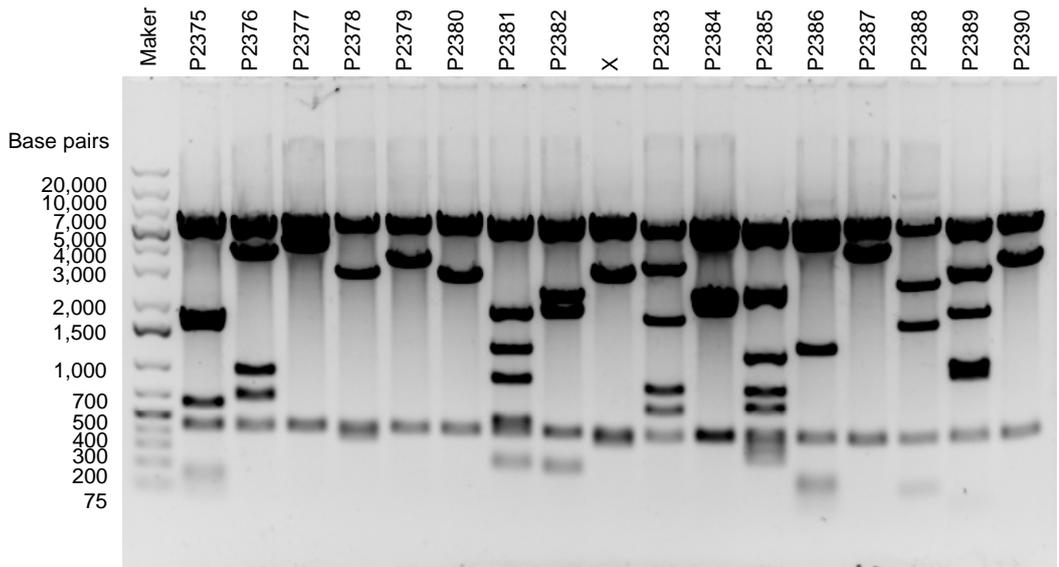
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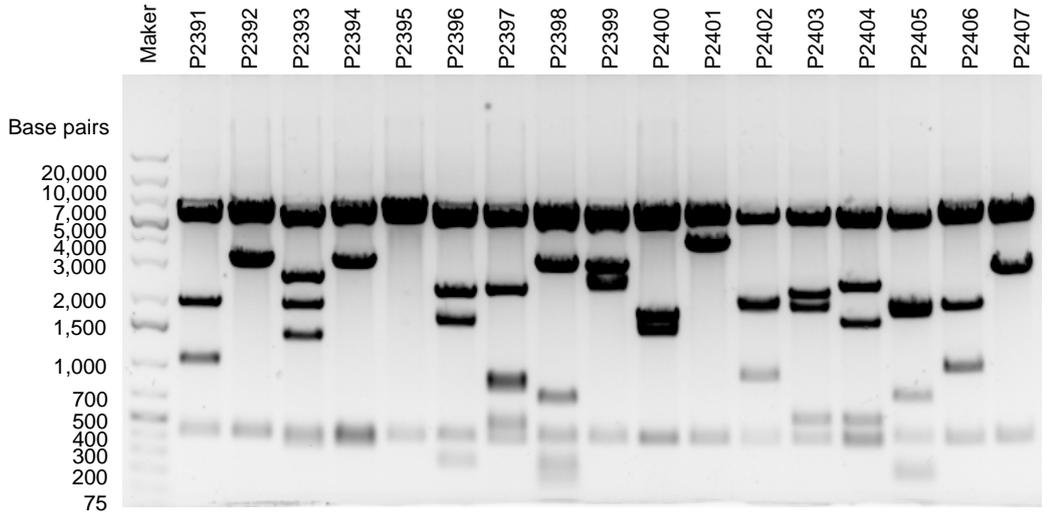
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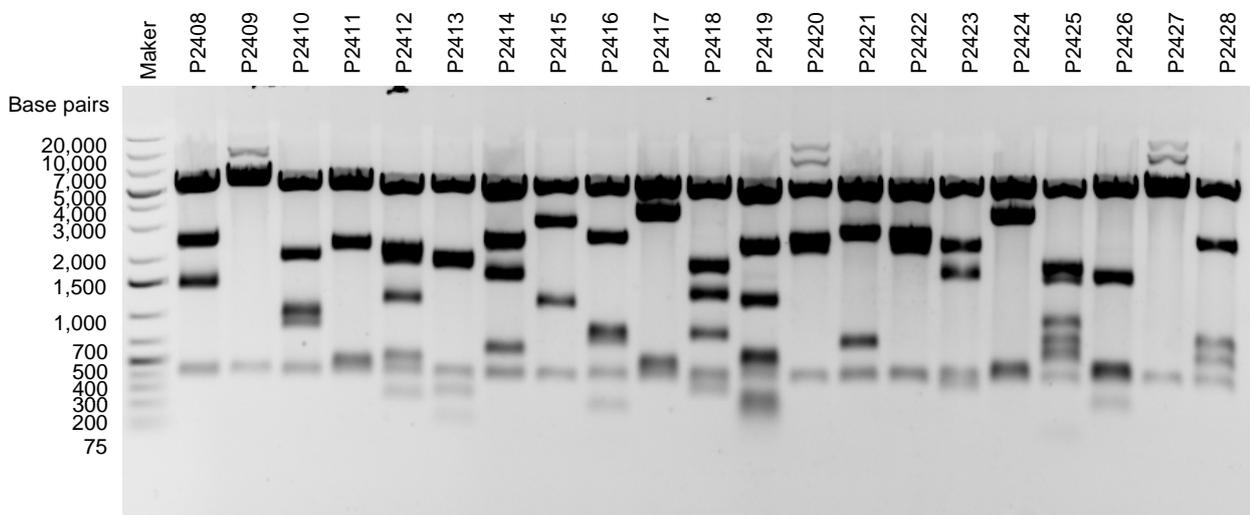
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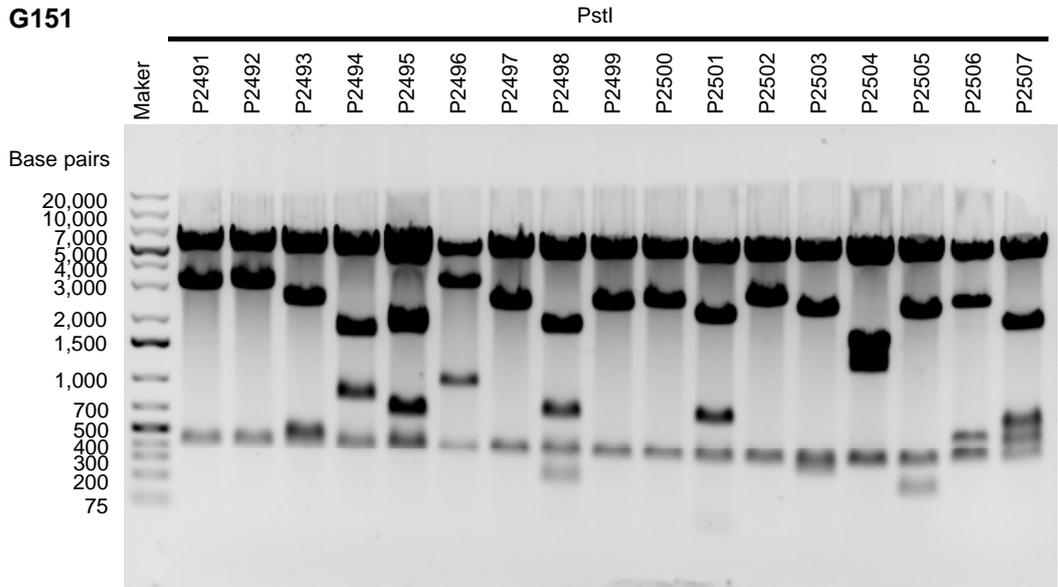


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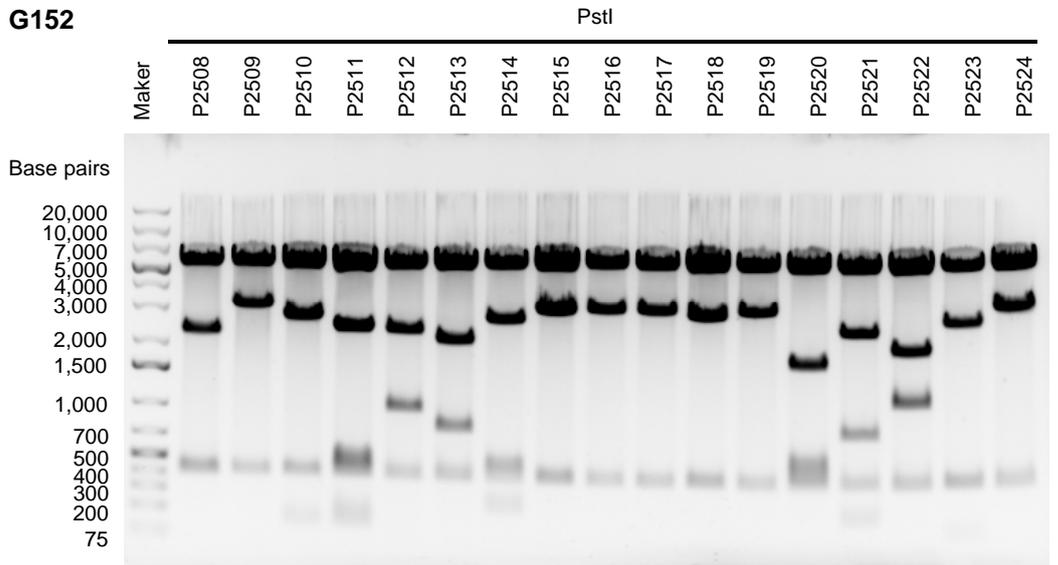
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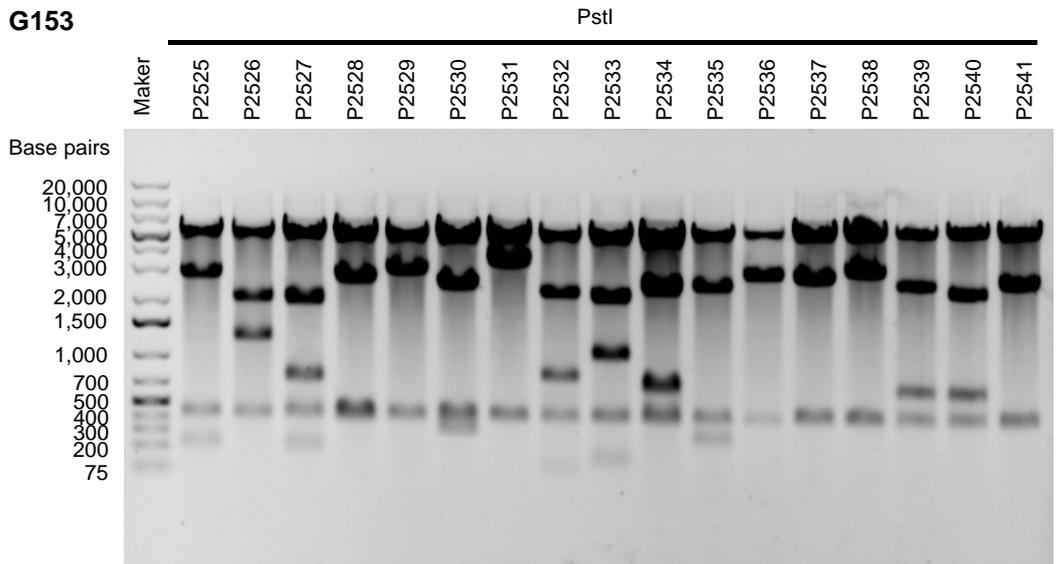
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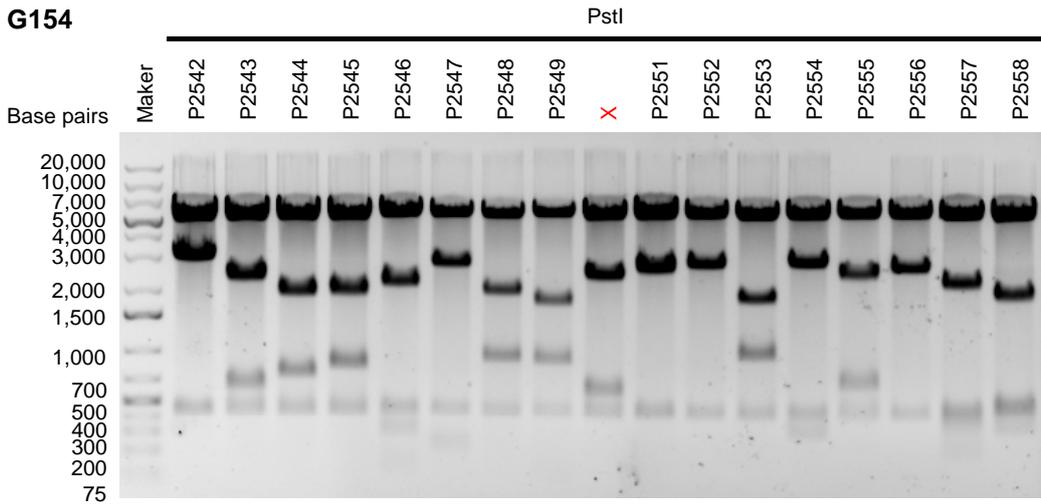
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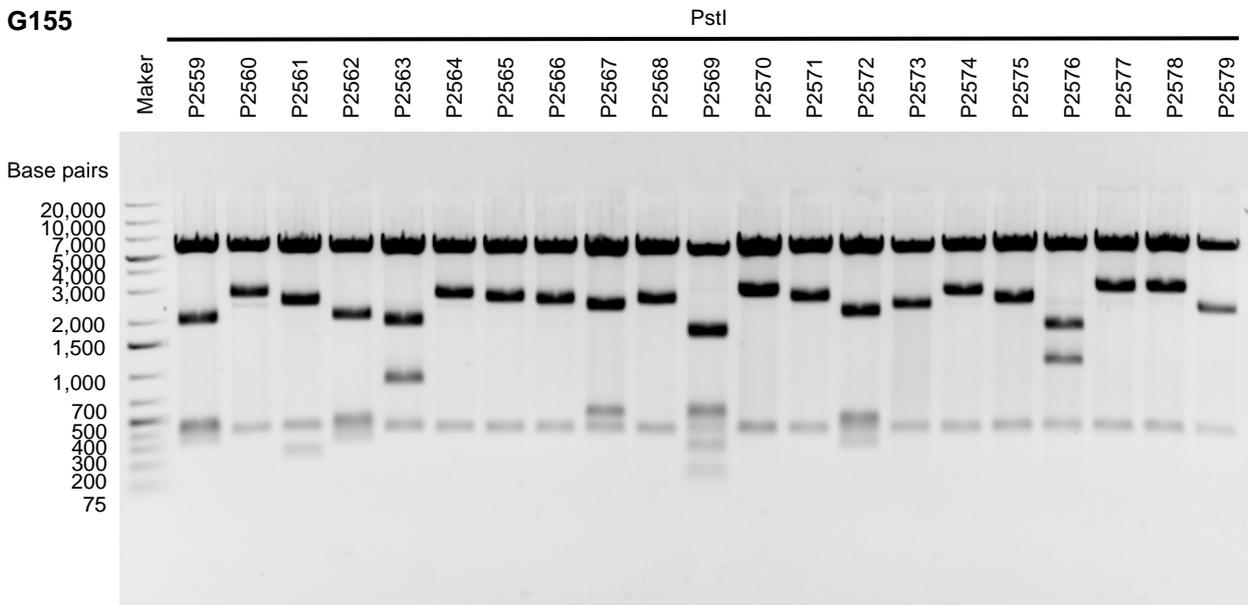
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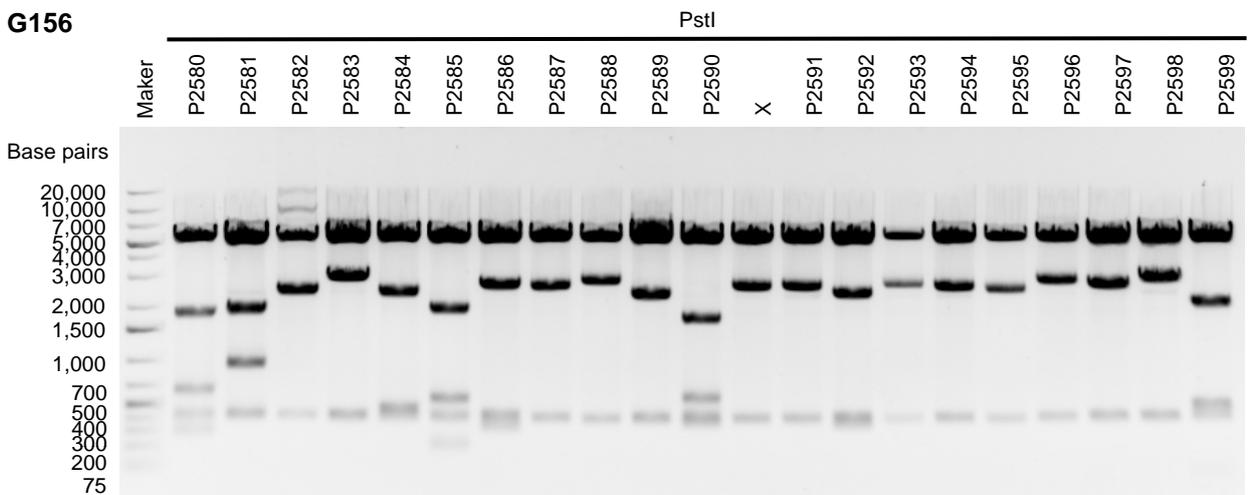
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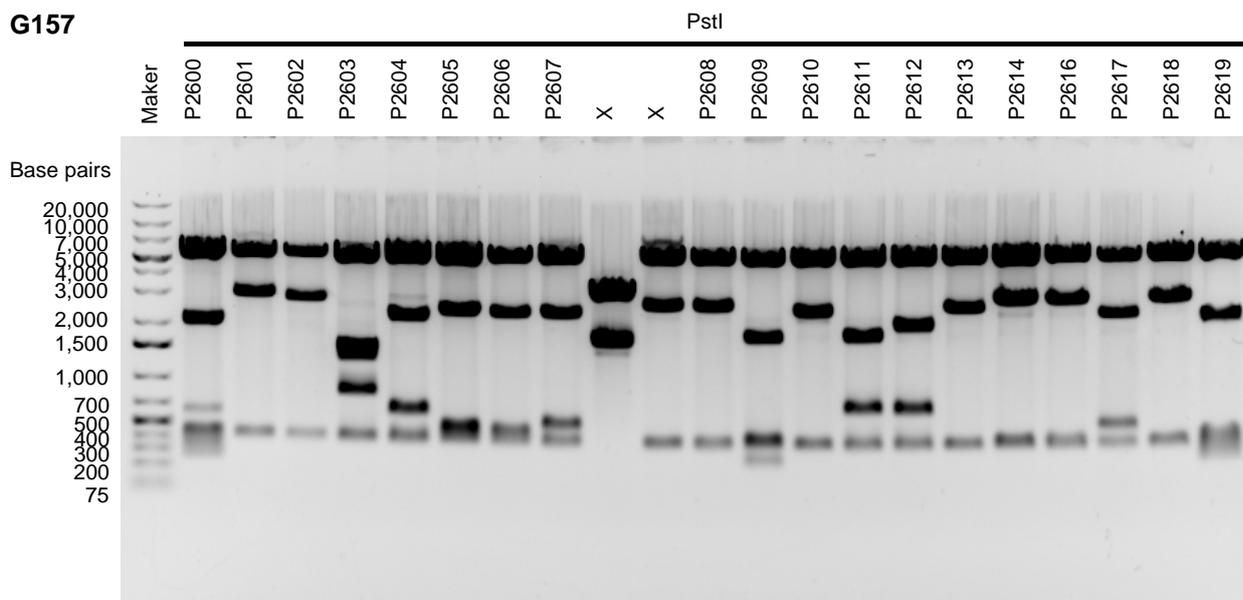
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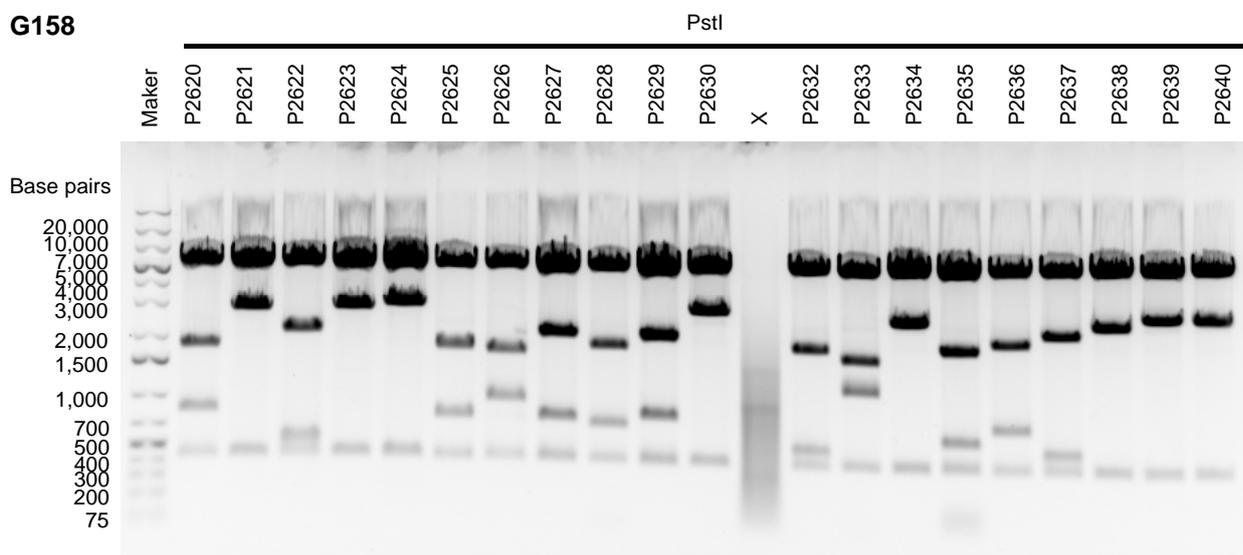
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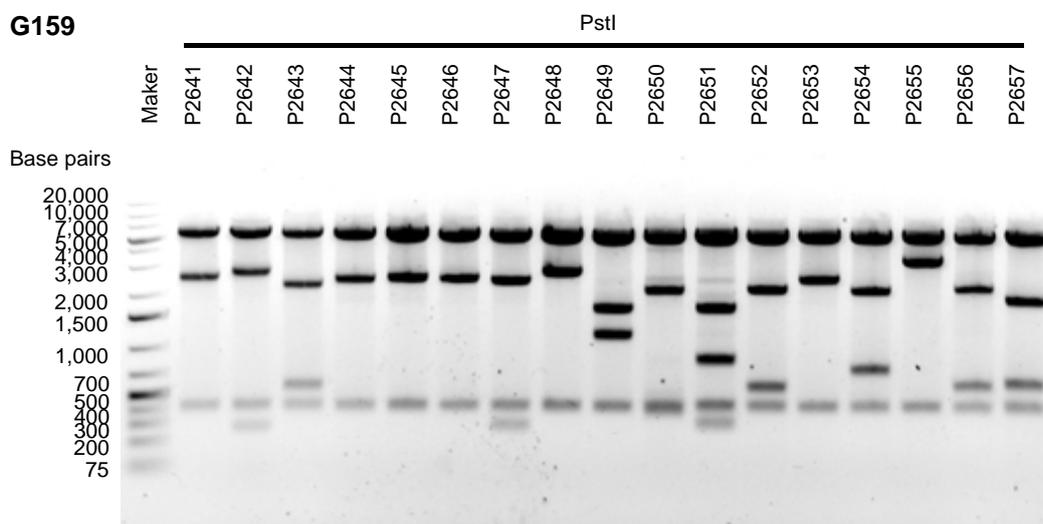
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G158

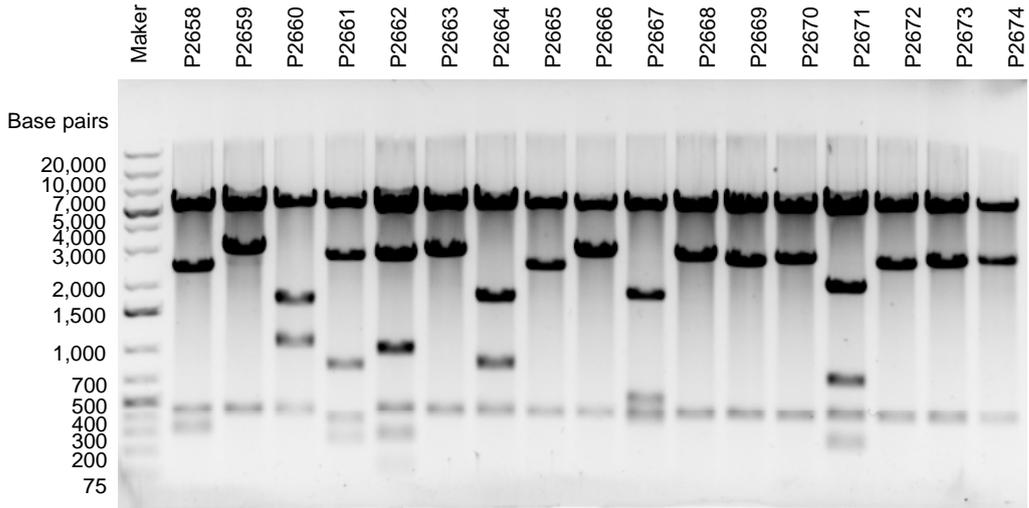


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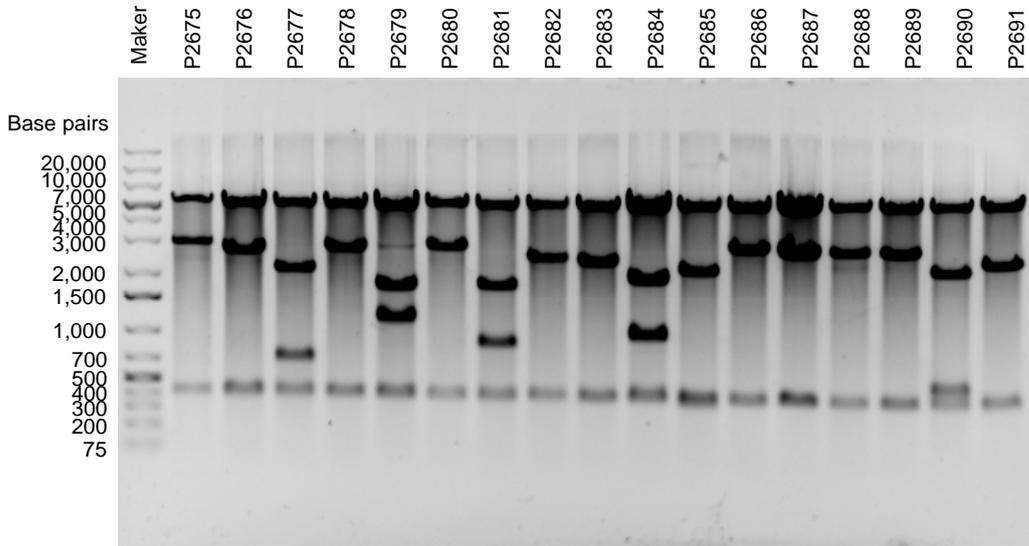
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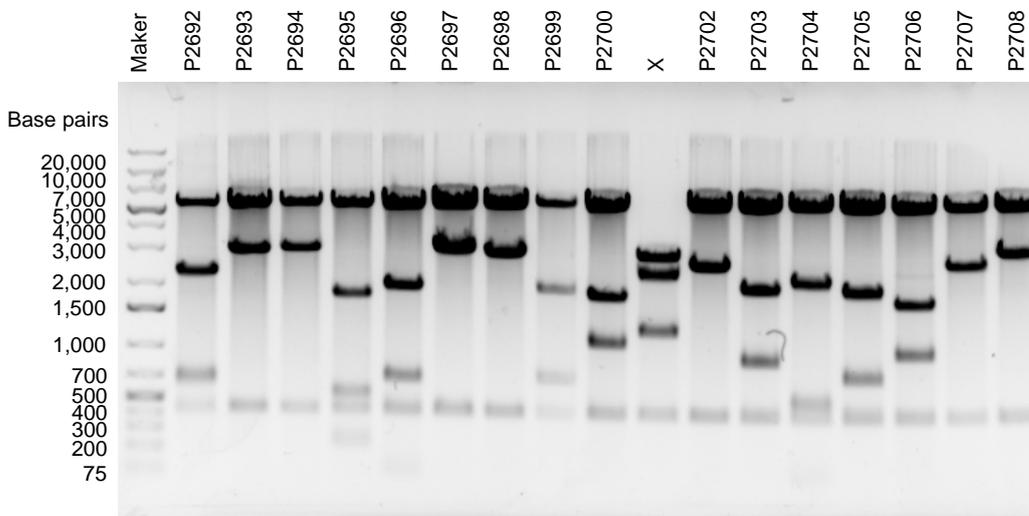
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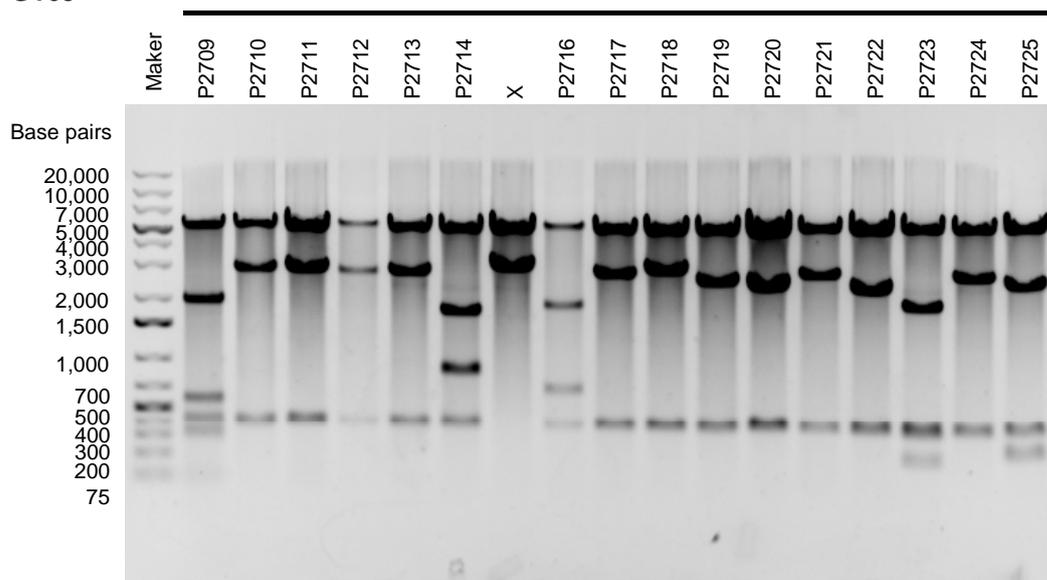
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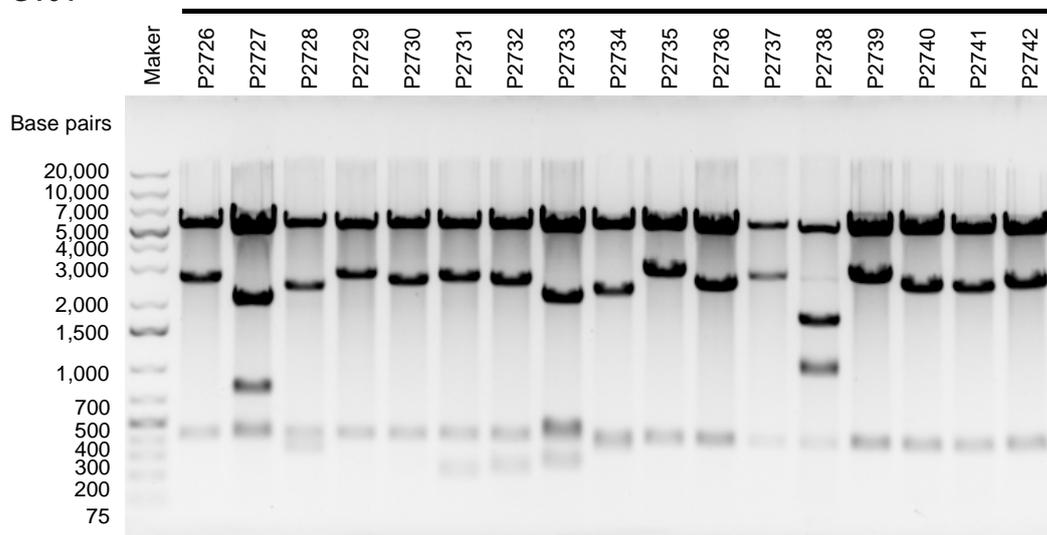


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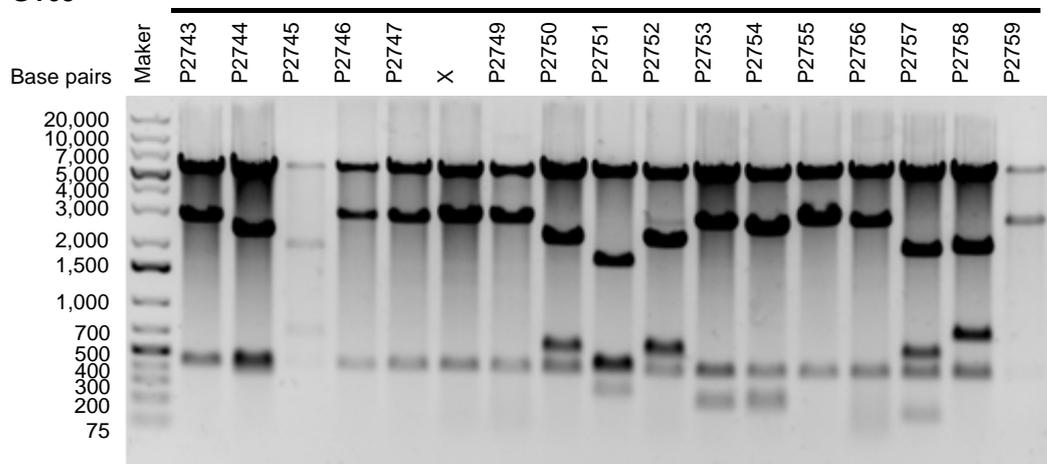
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**G164**

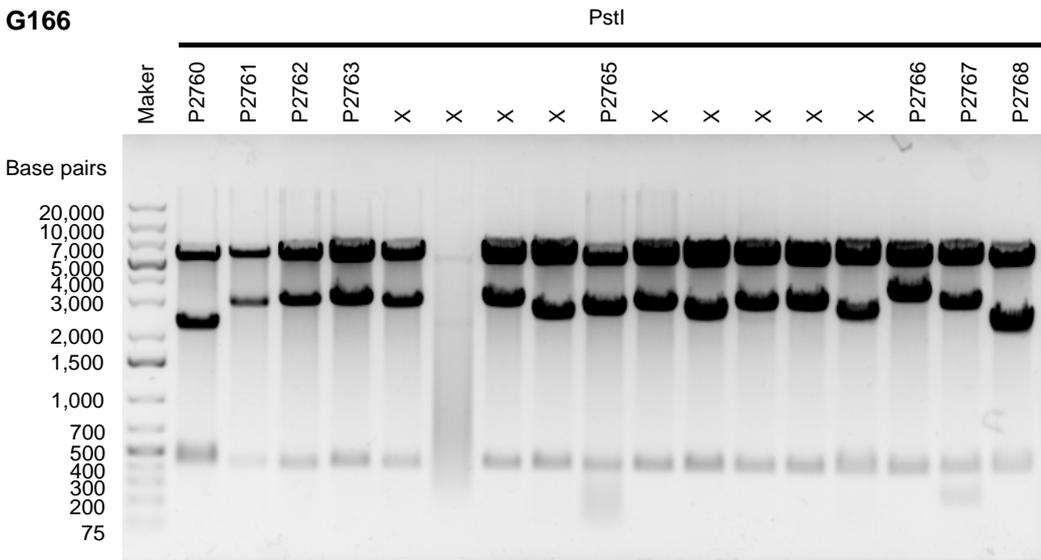
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**G165**

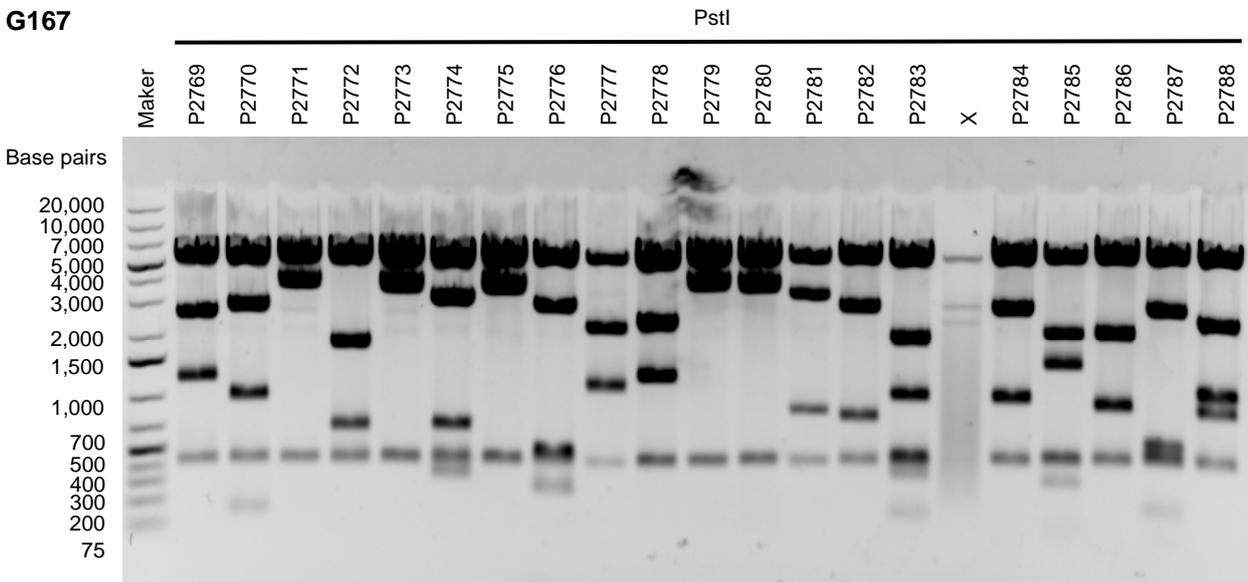
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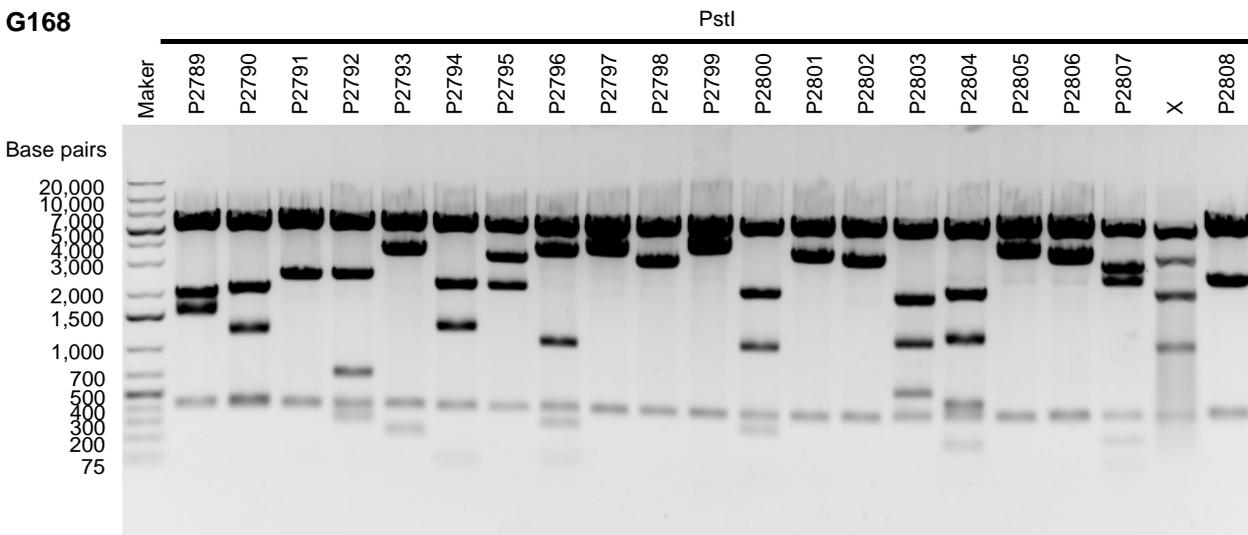
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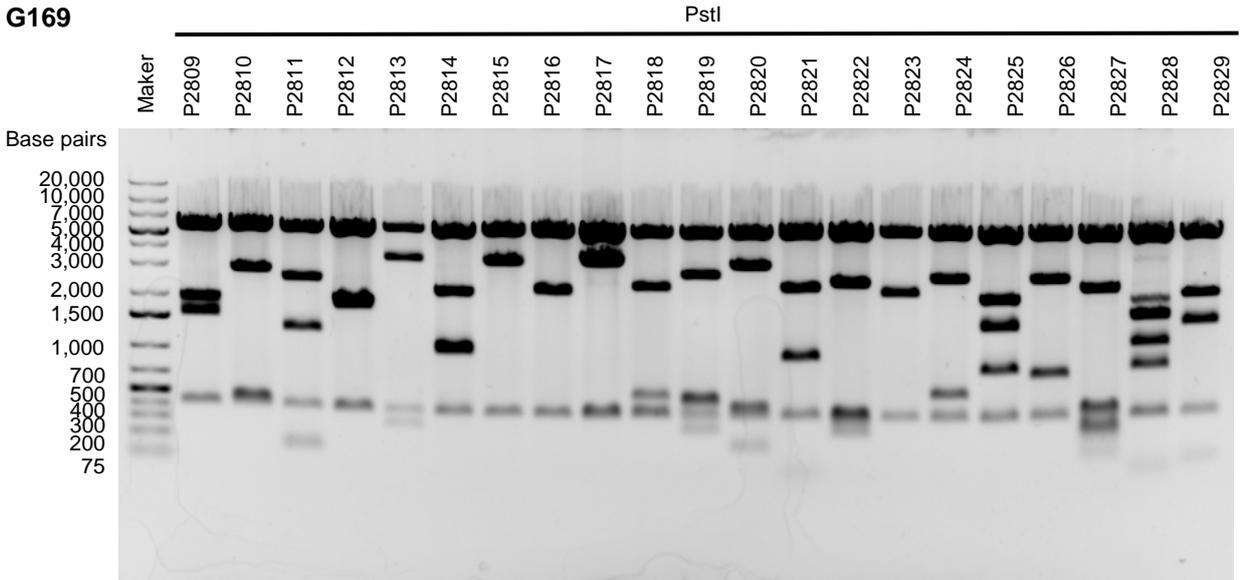
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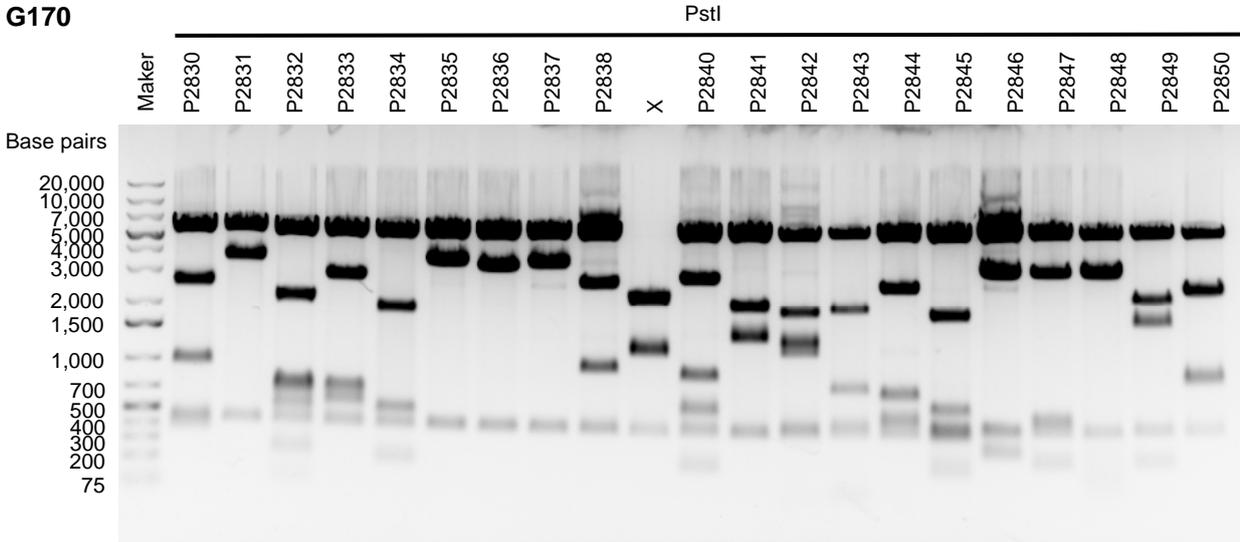
G168



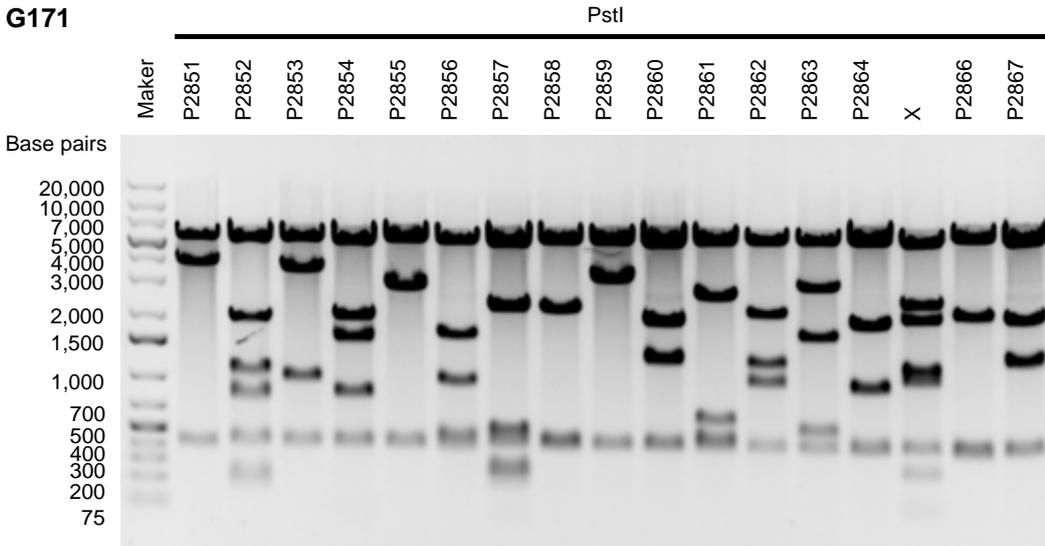
G169



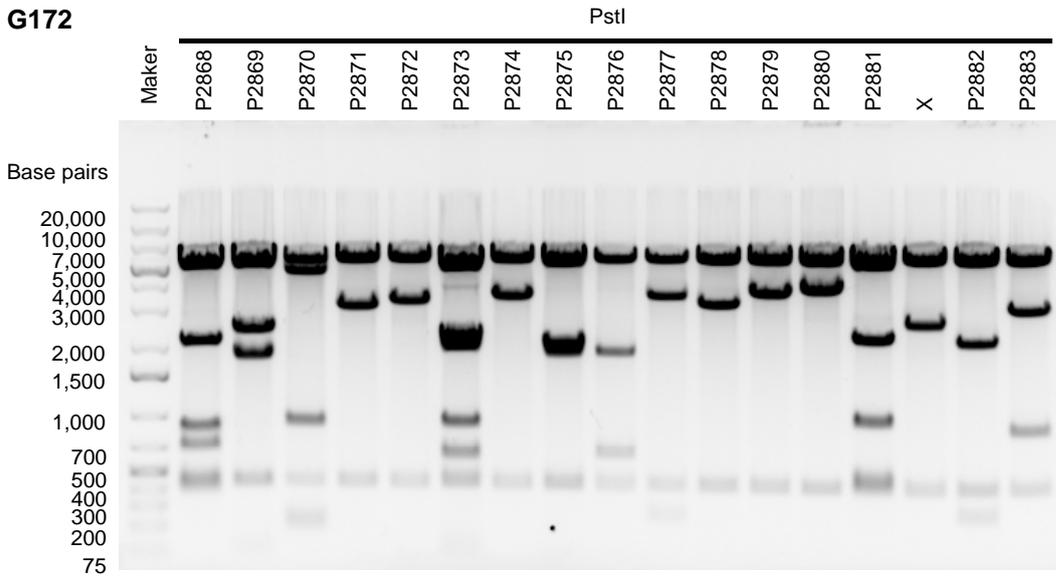
G170



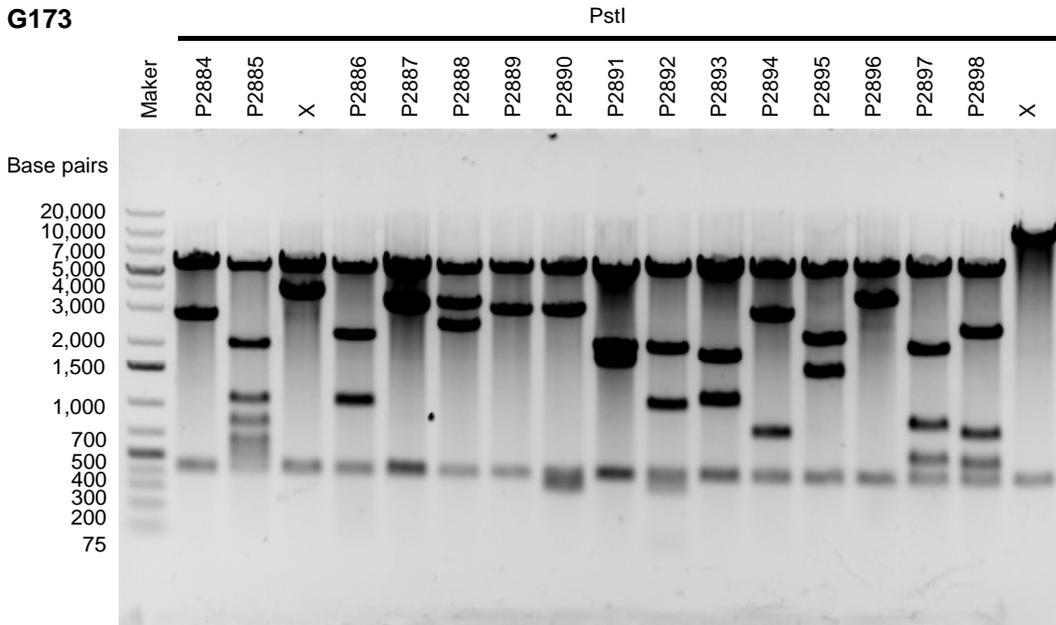
G171



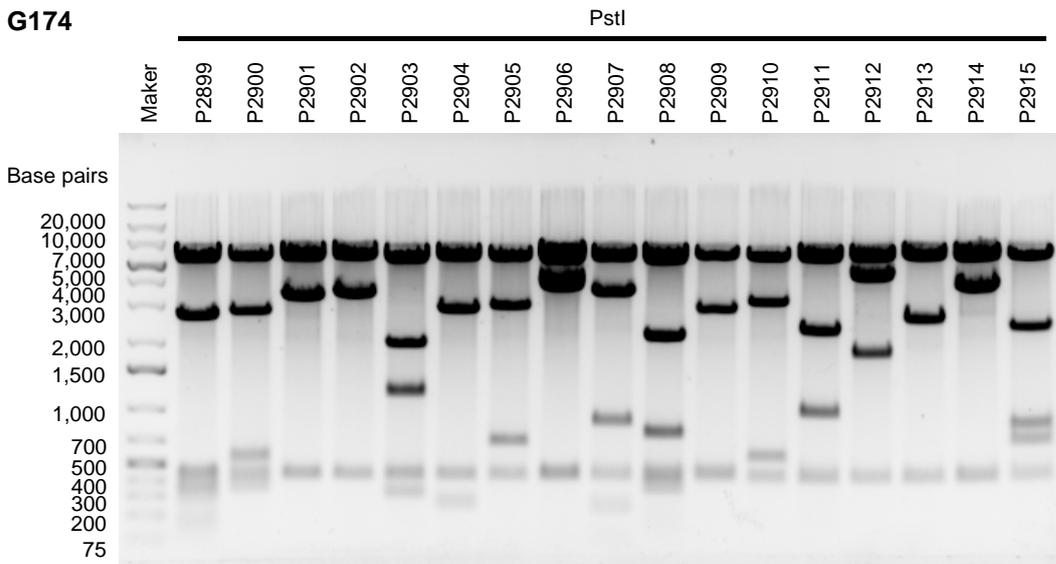
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G173

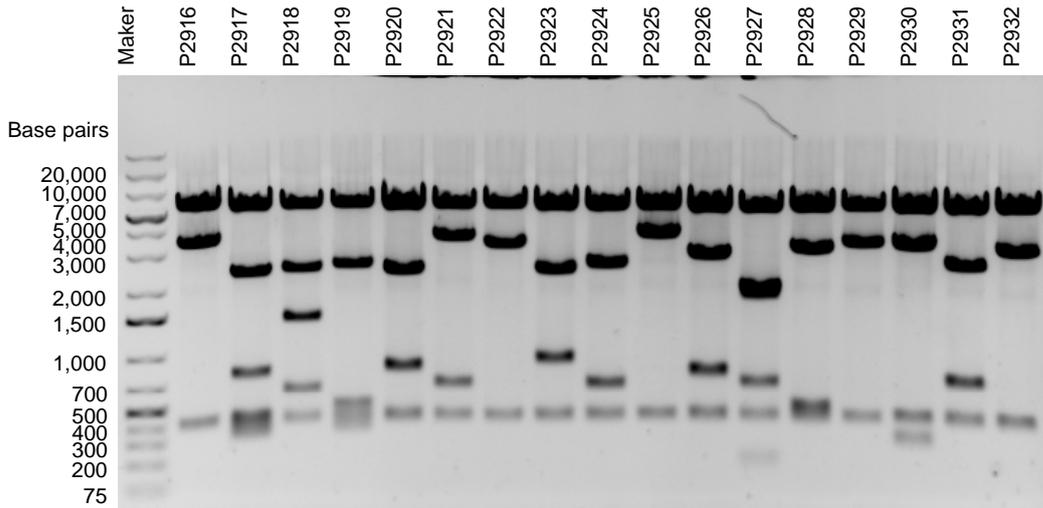


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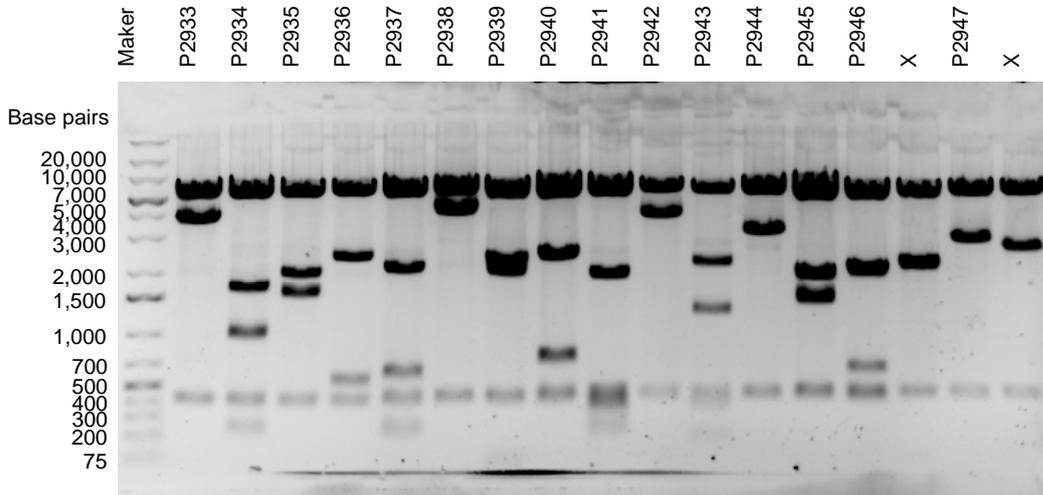
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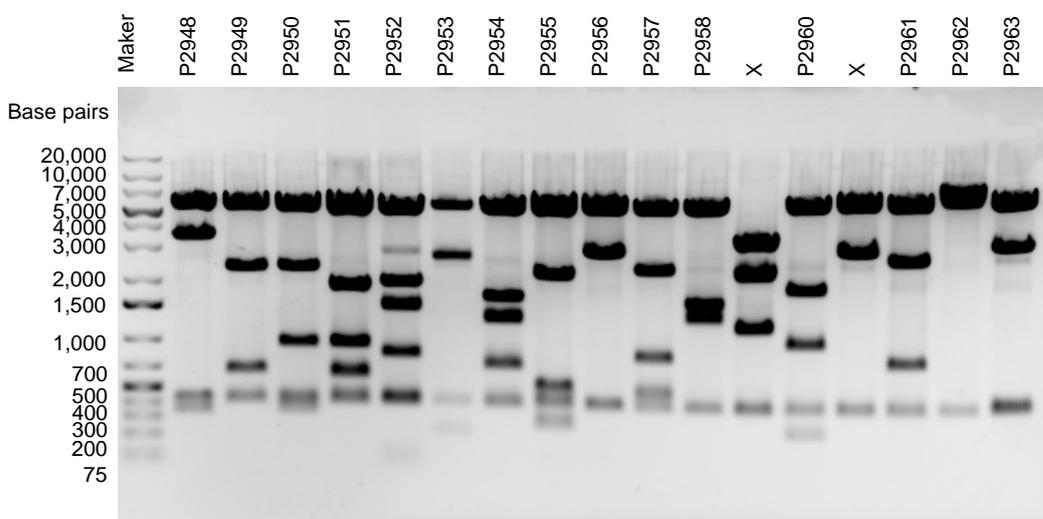
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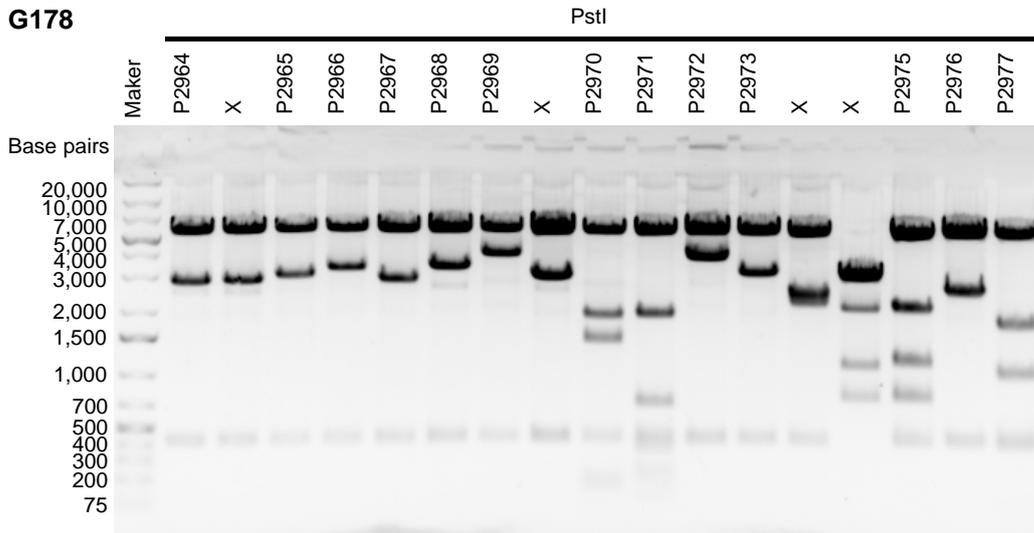
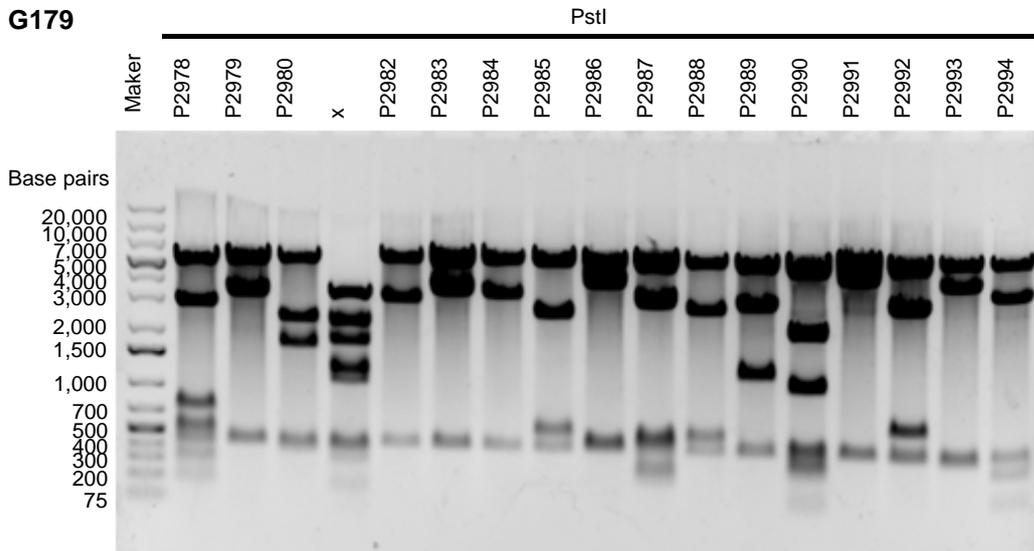
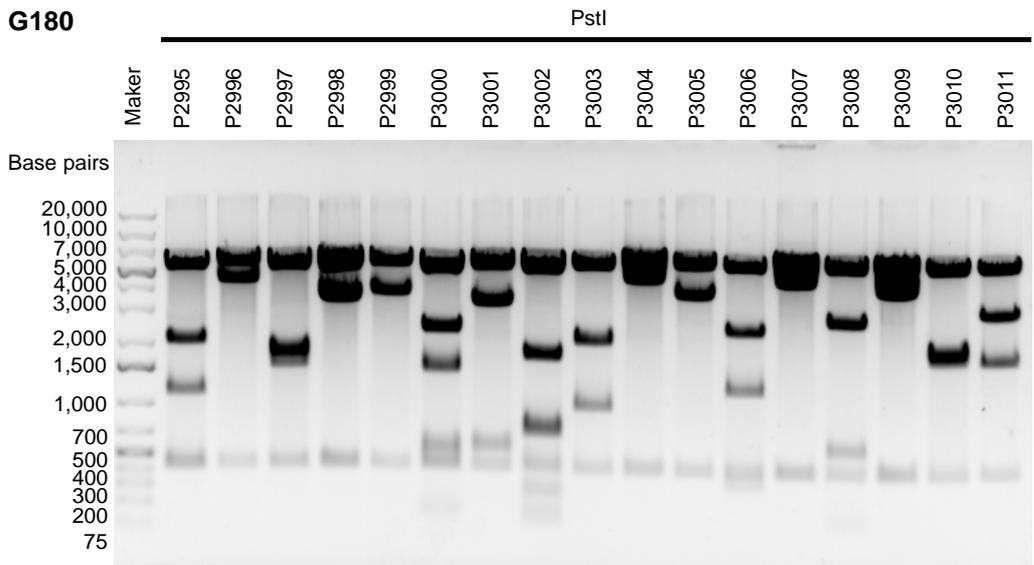
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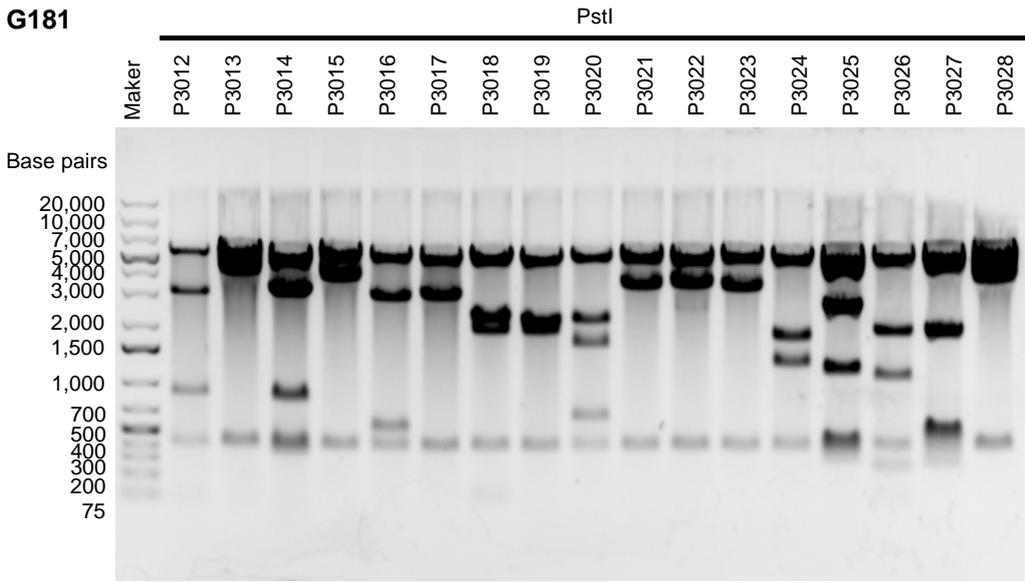
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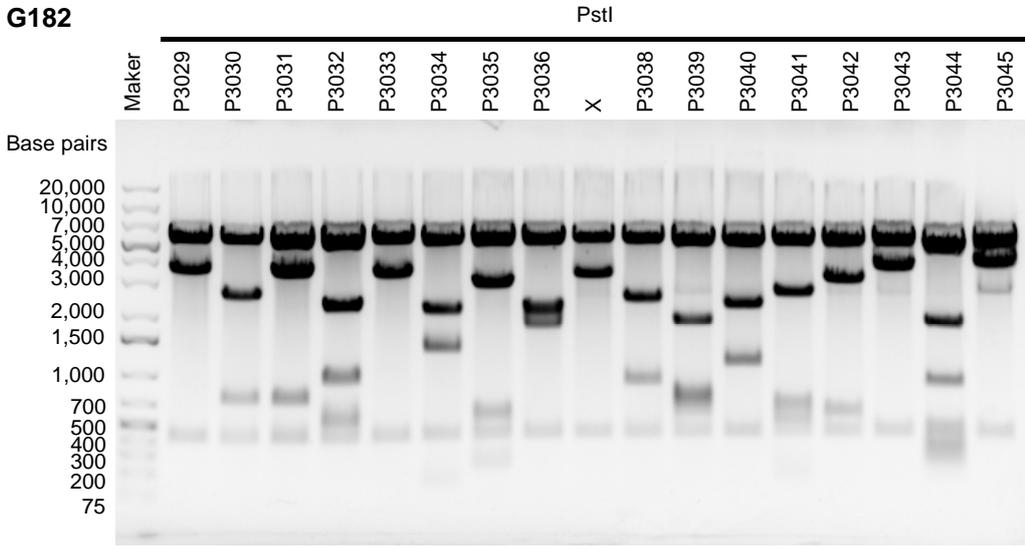


G178**G179****G180**

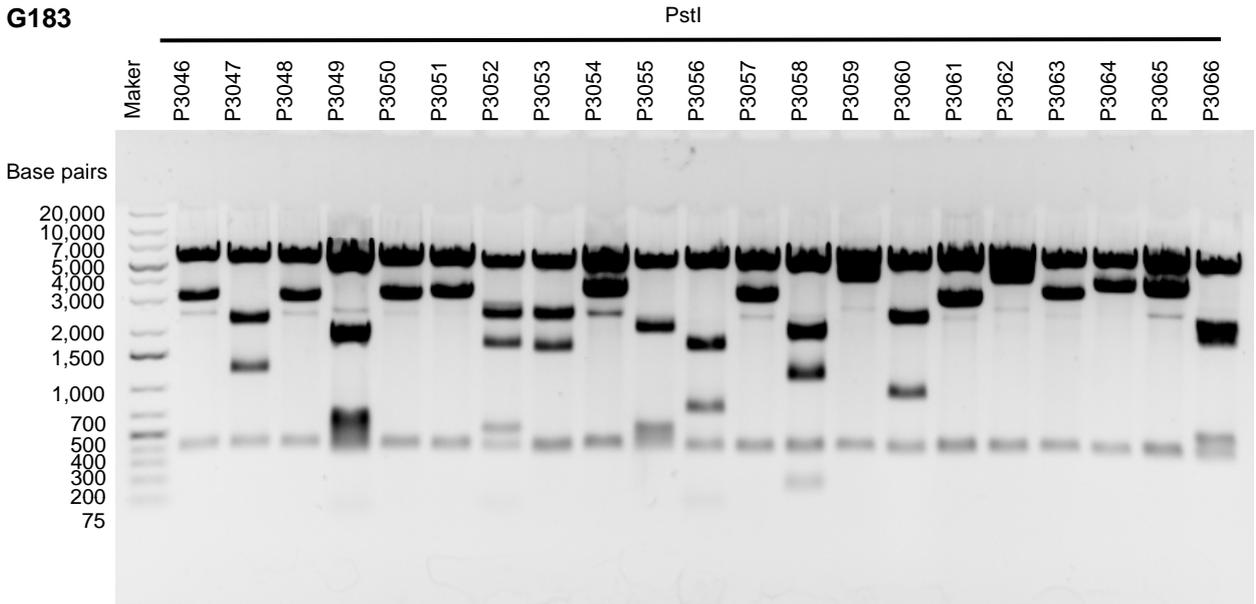
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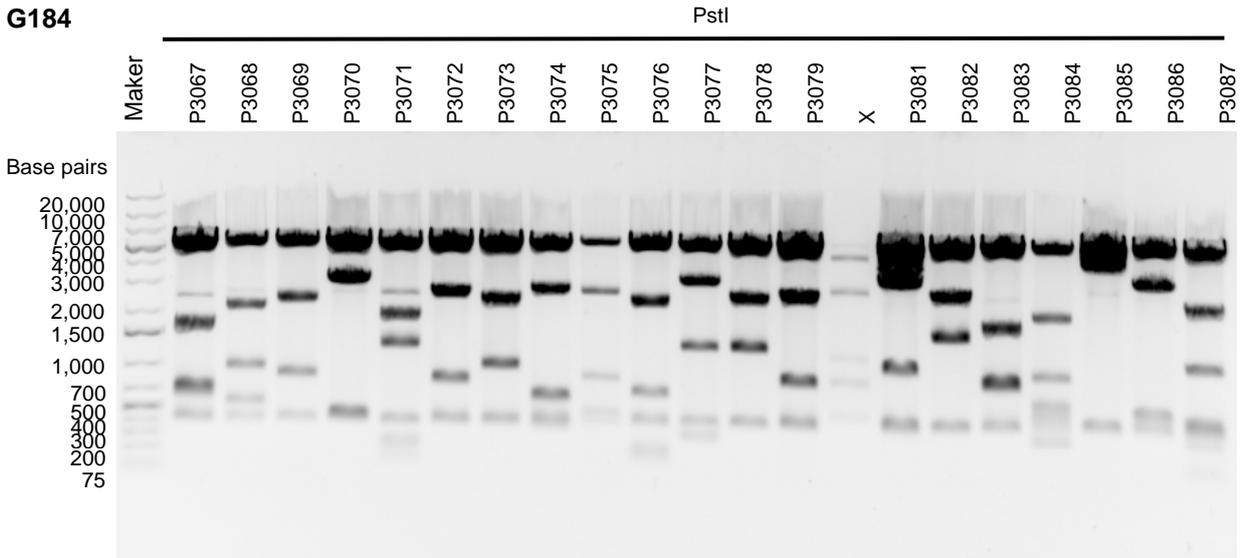
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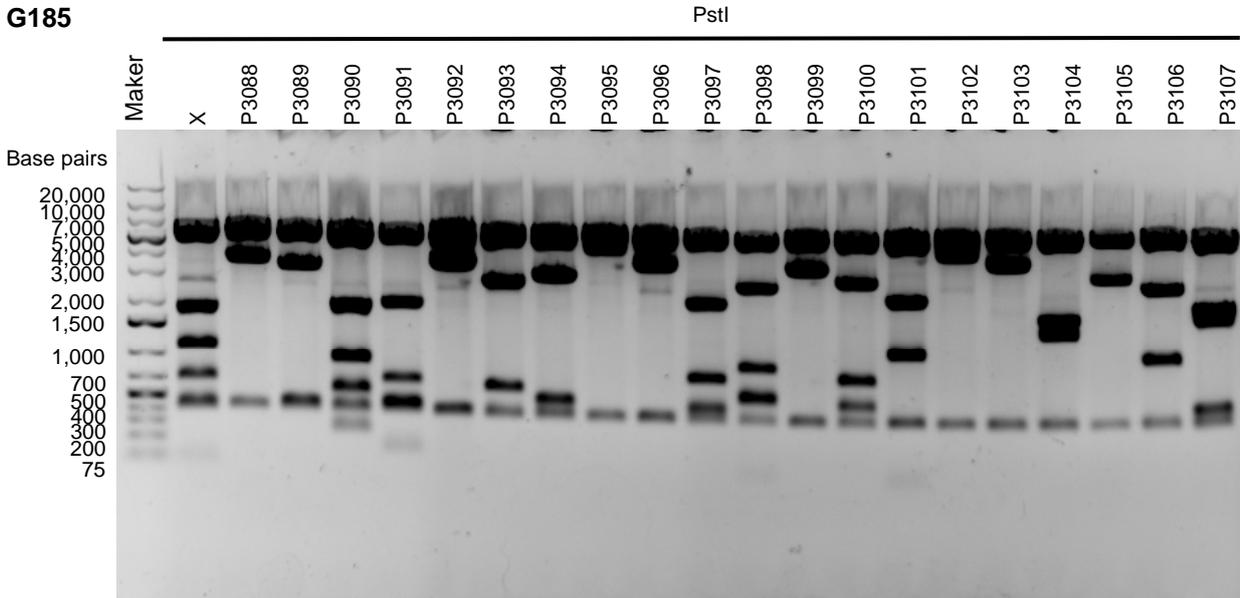
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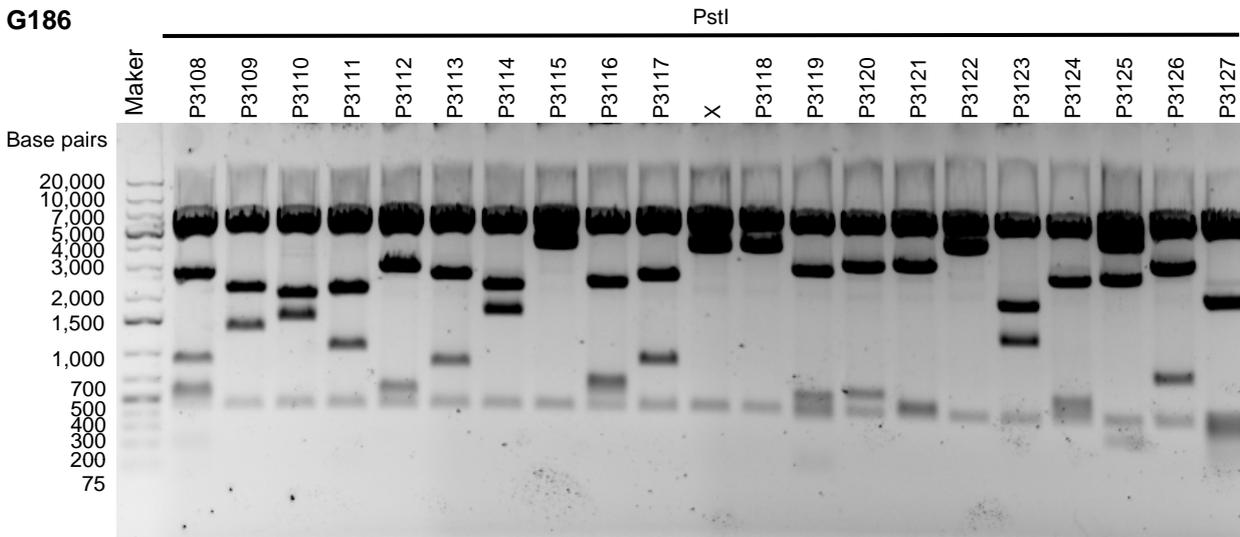
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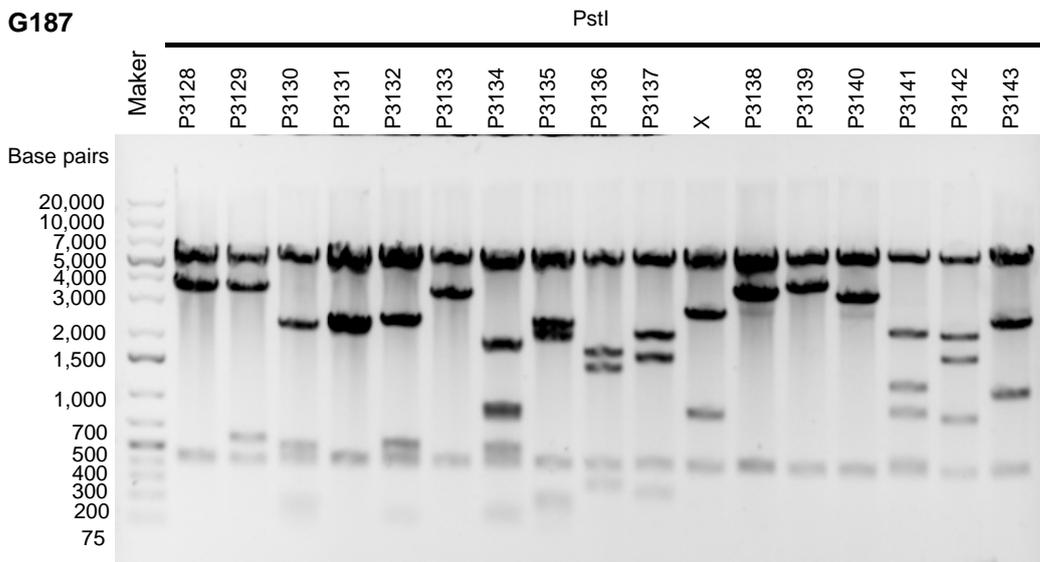
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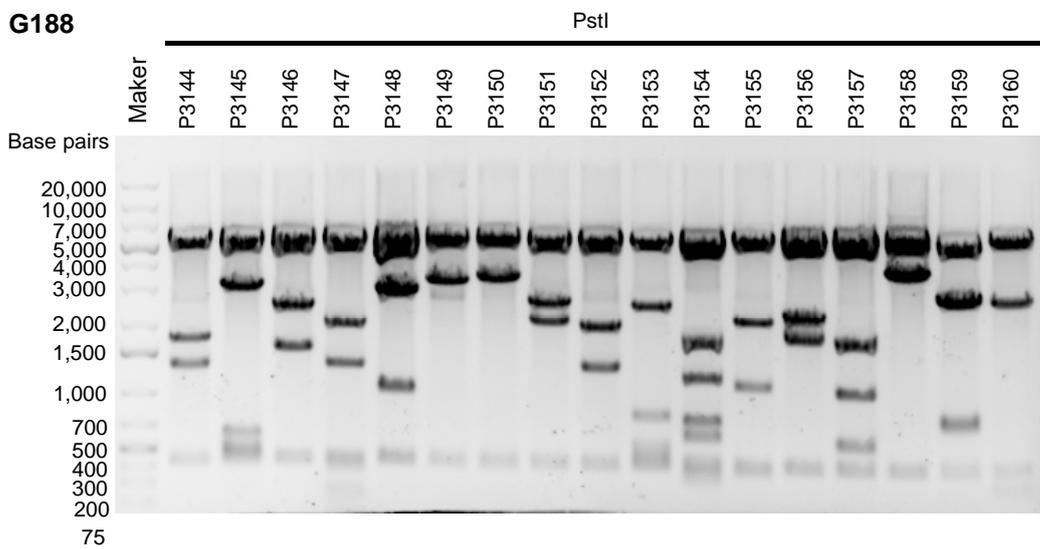
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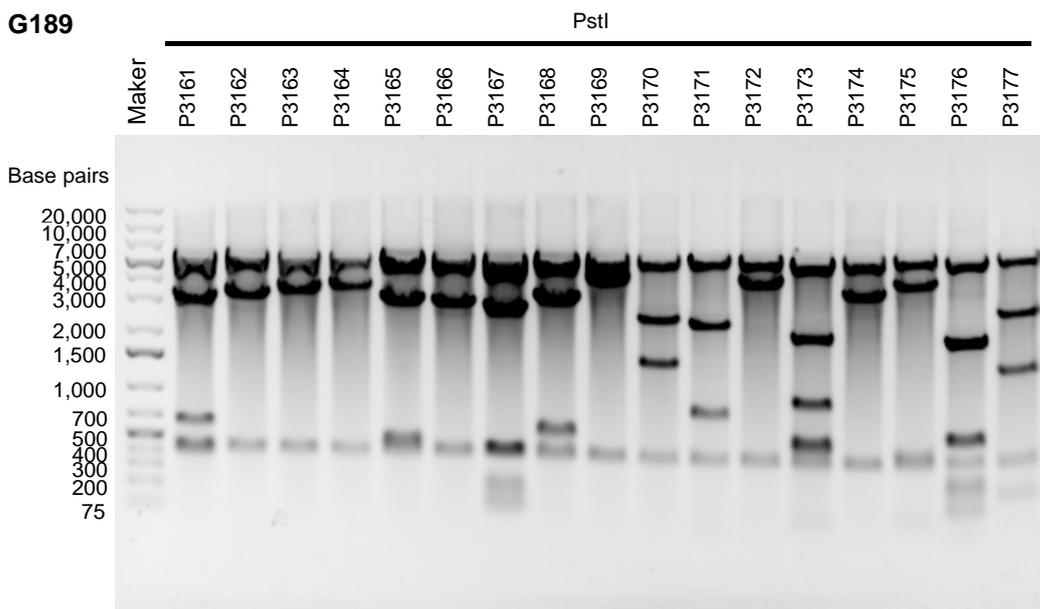
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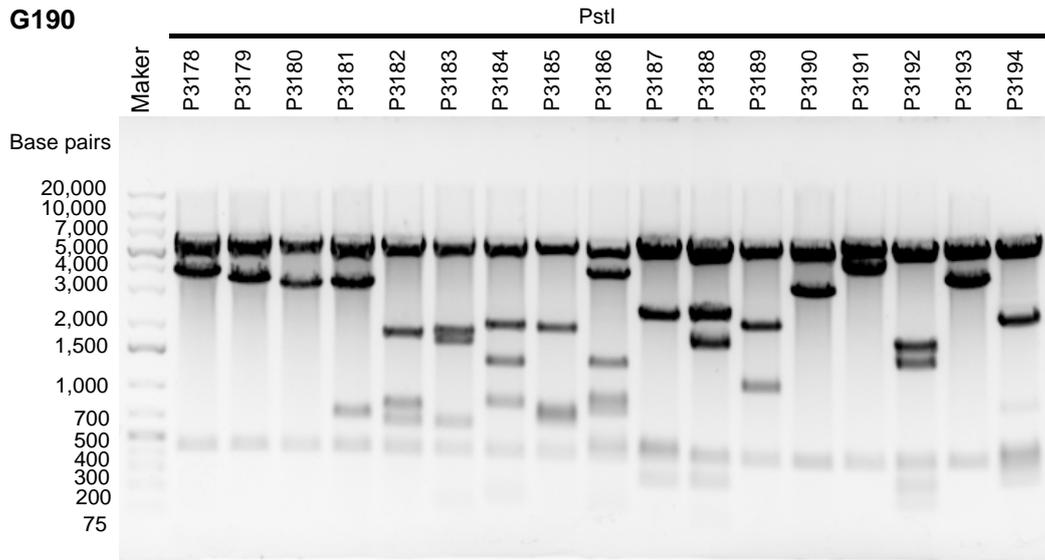
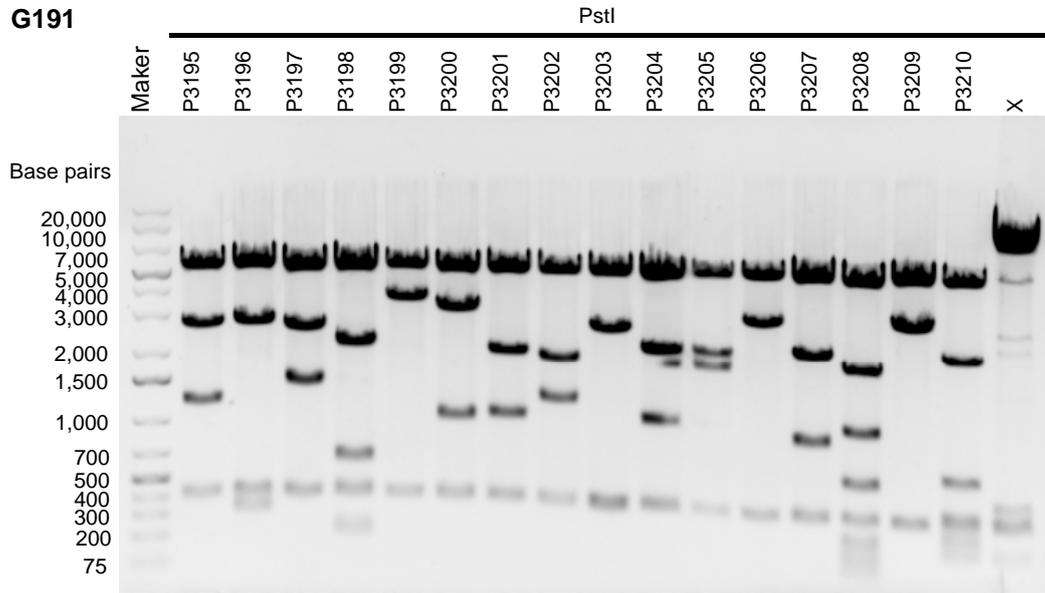
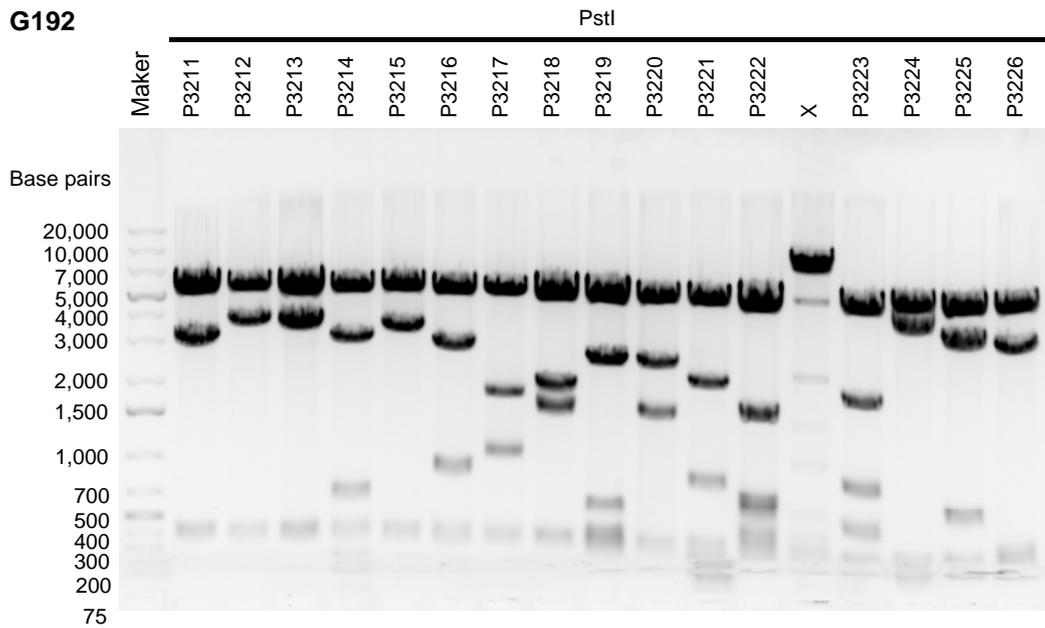


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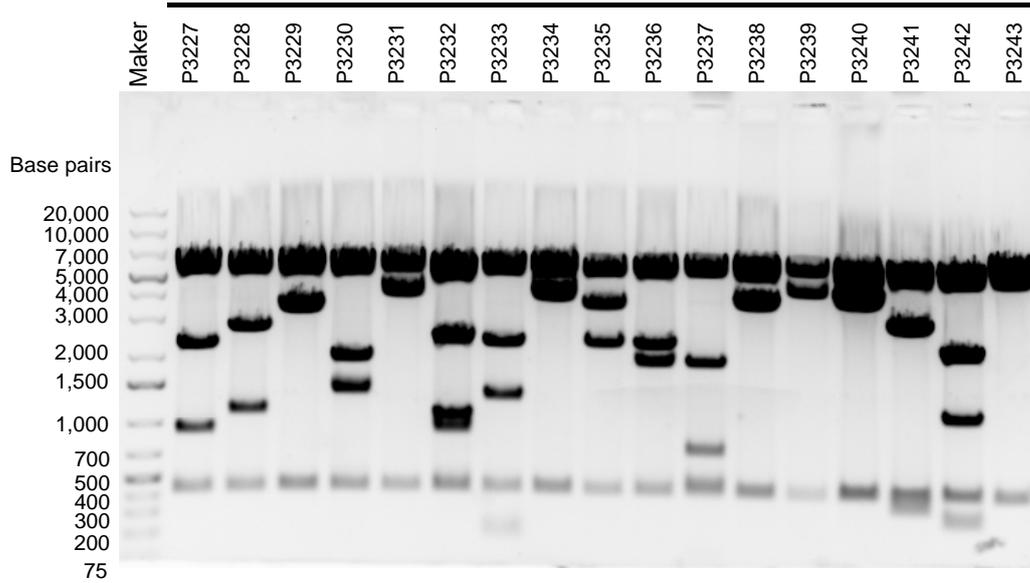
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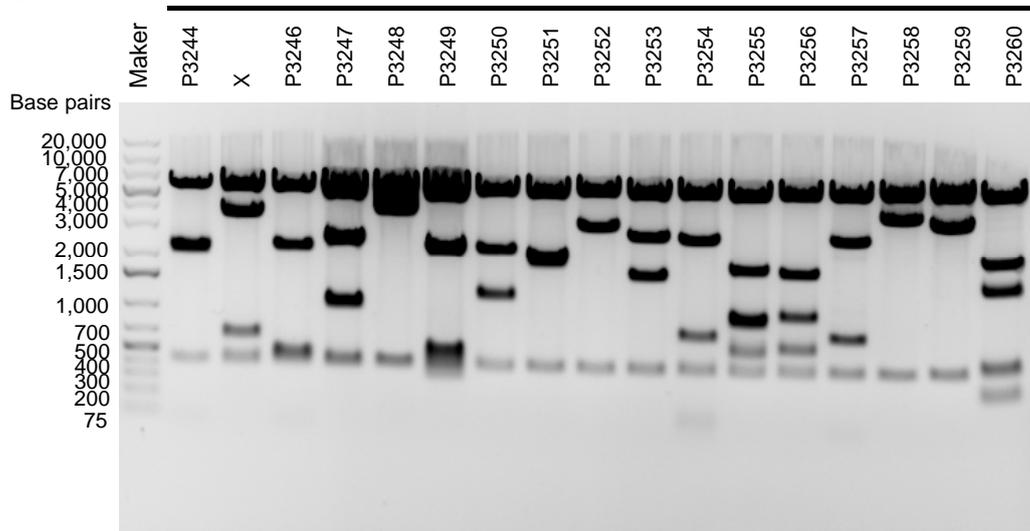
G190**G191****G192**

G193

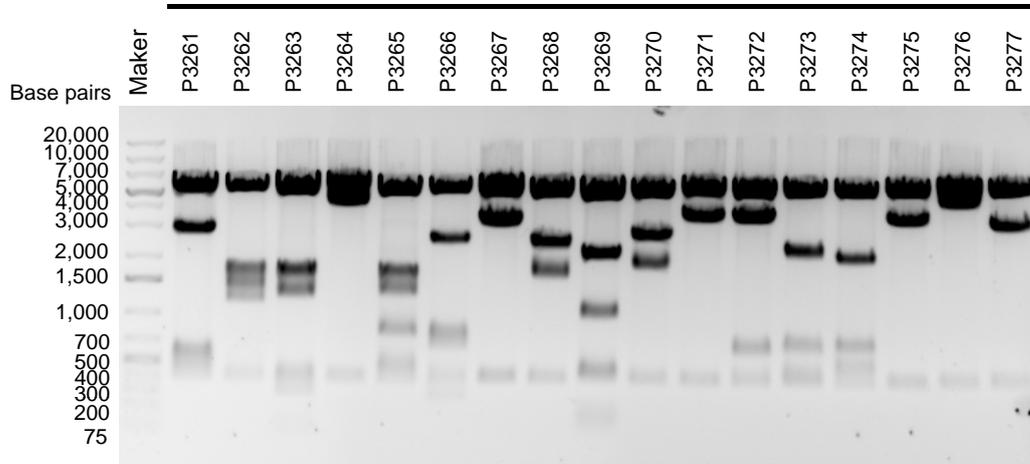
PstI

**G194**

PstI

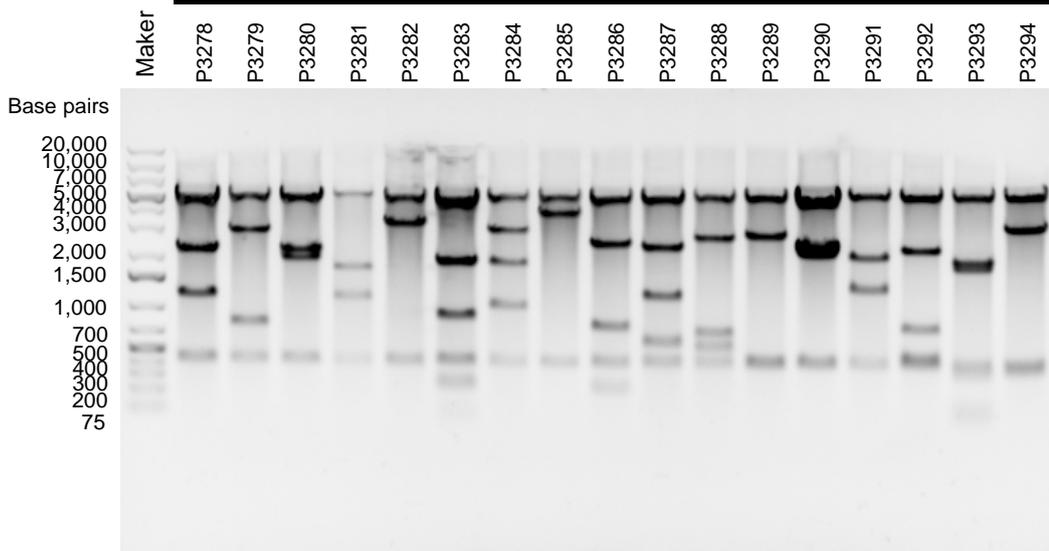
**G195**

PstI



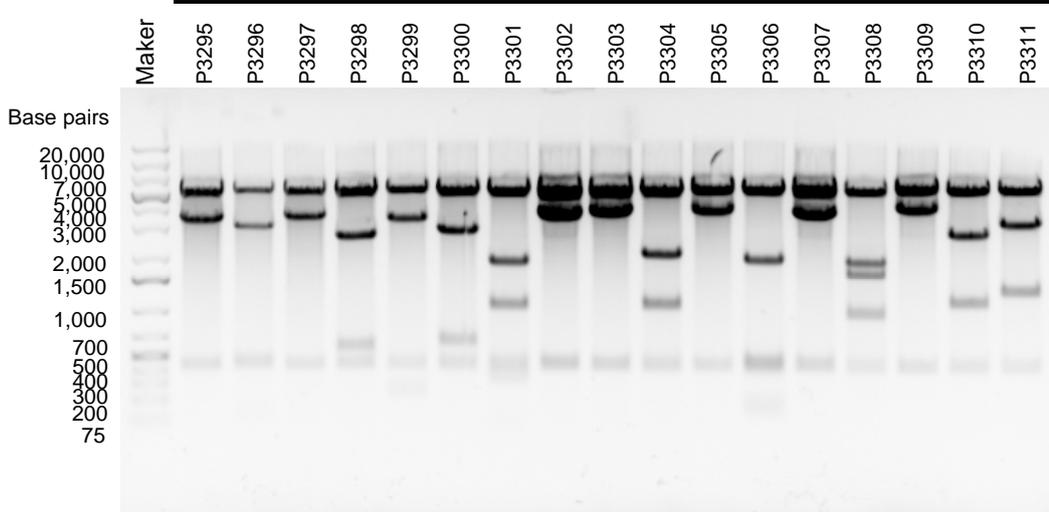
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PstI



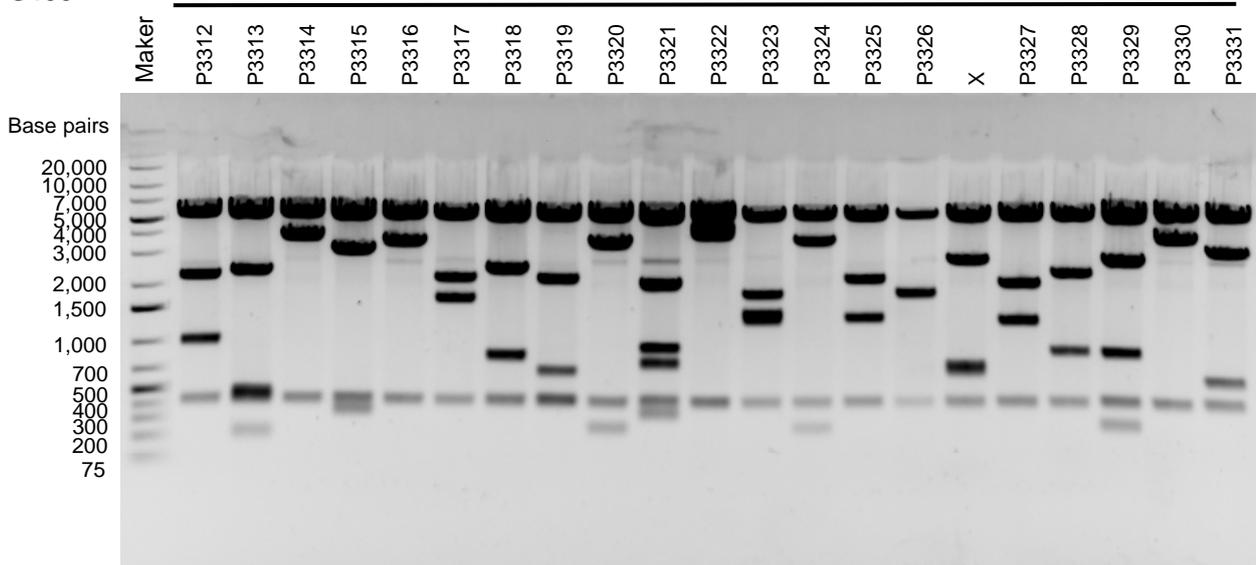
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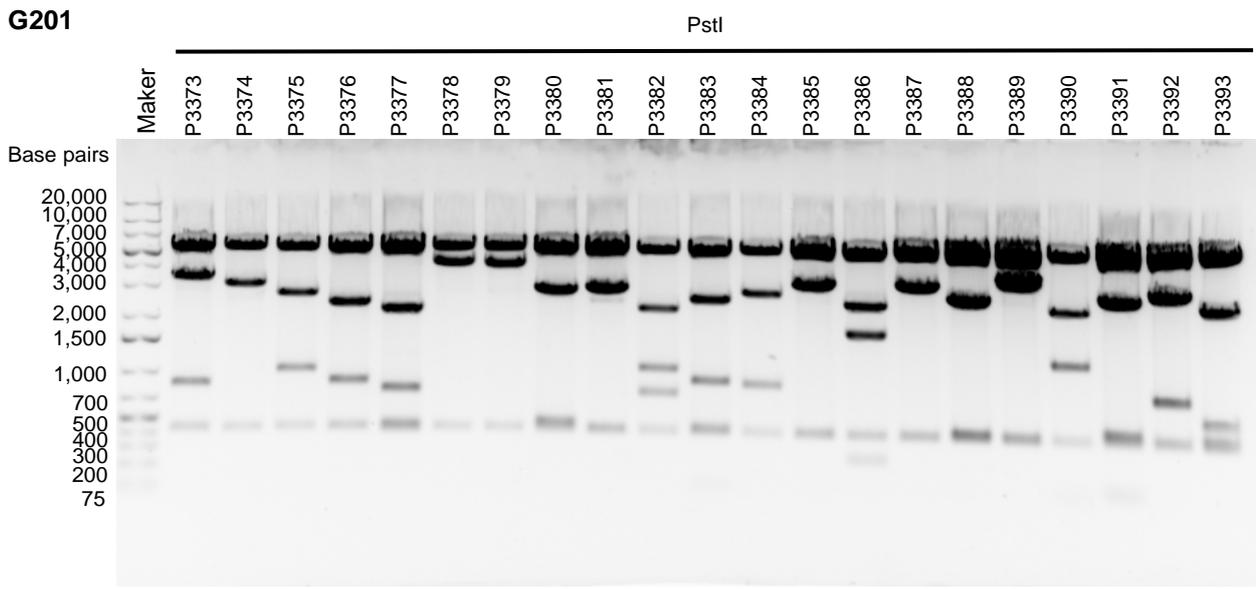
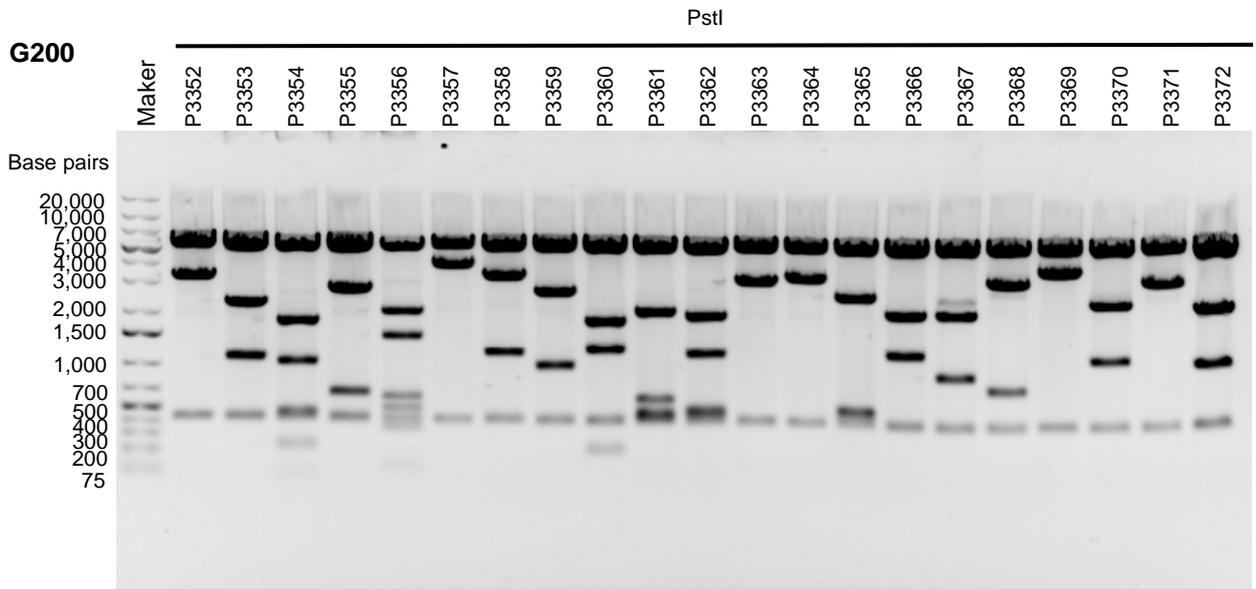
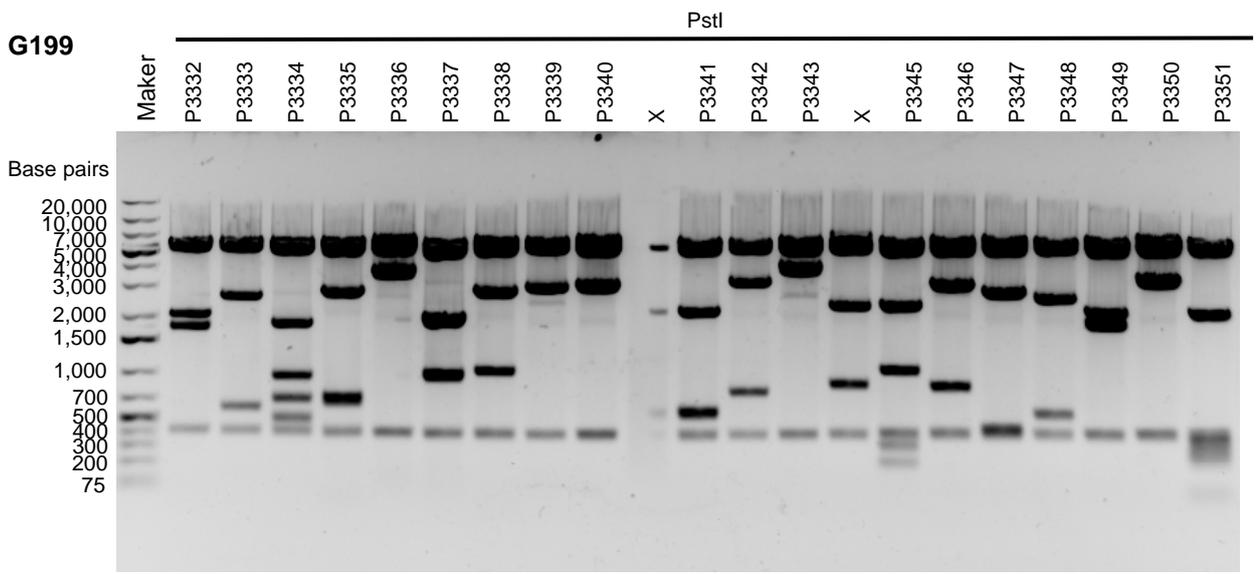
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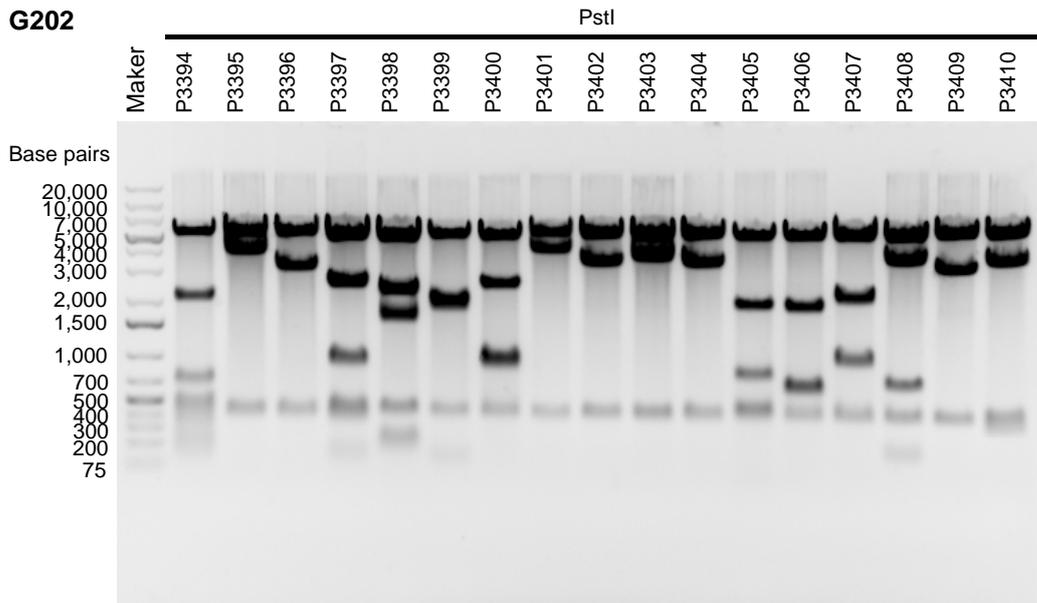
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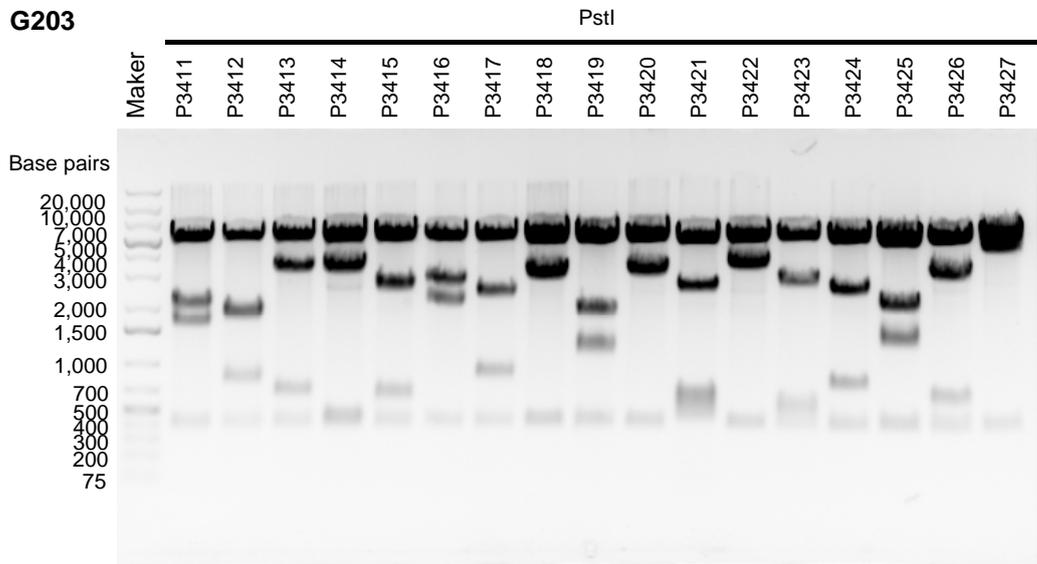




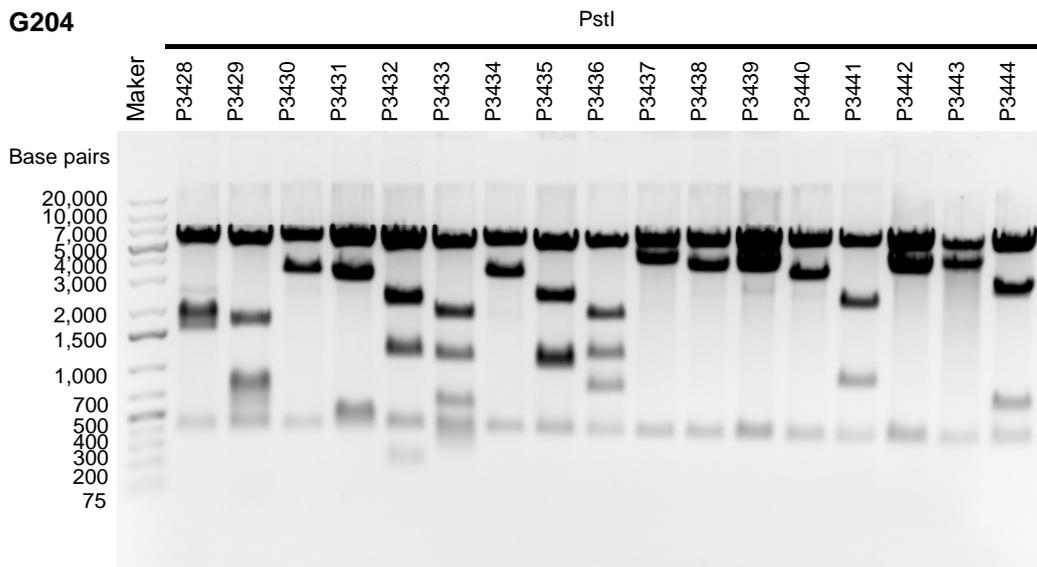
G202



G203

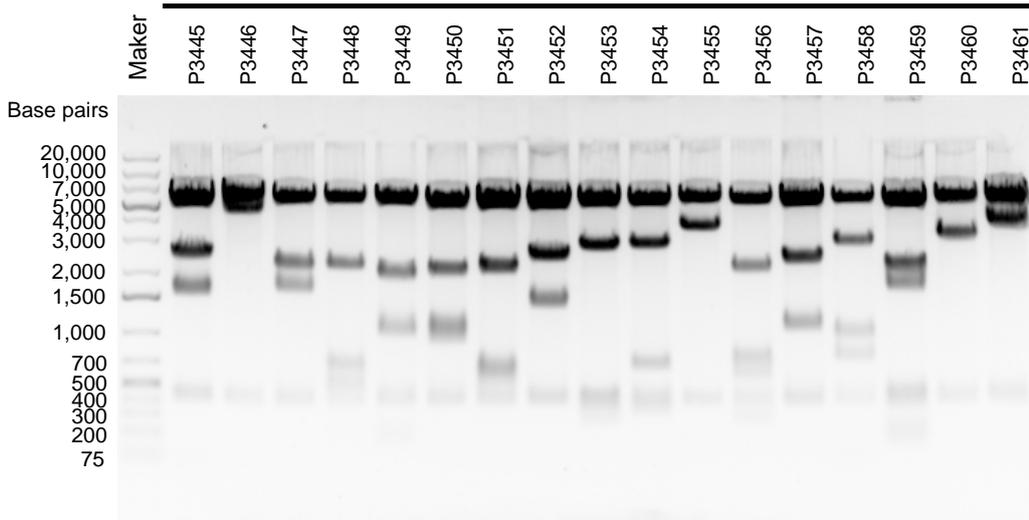


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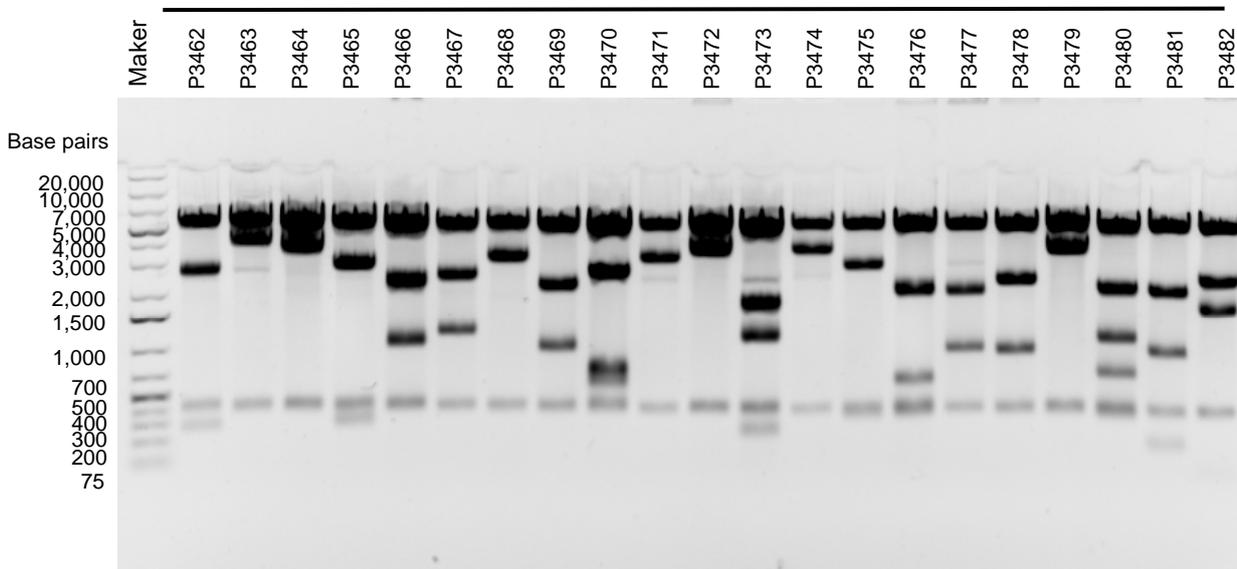
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PstI



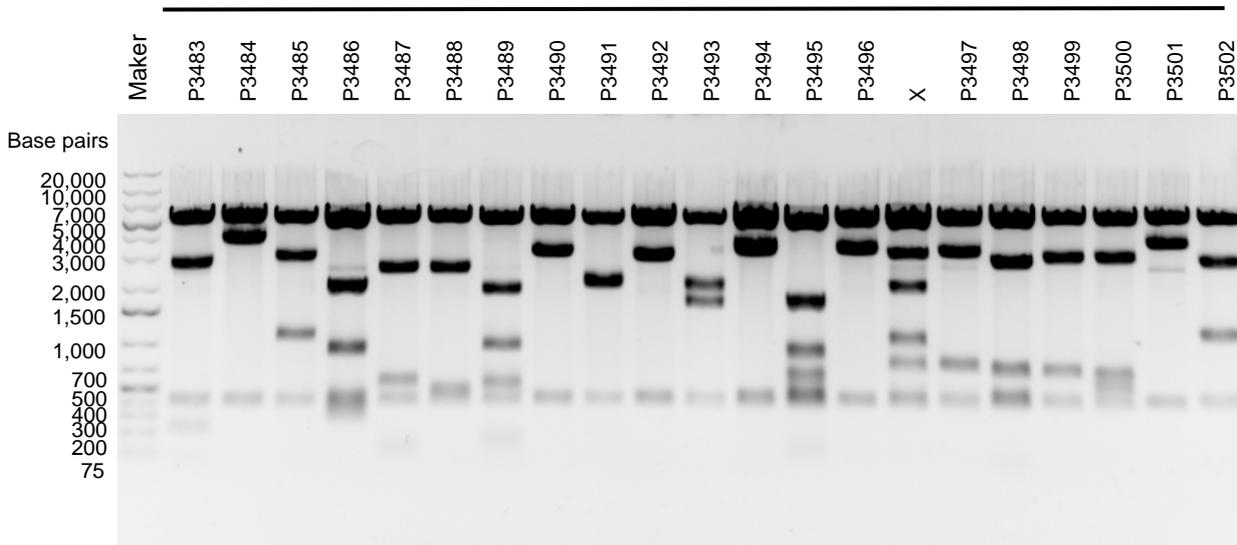
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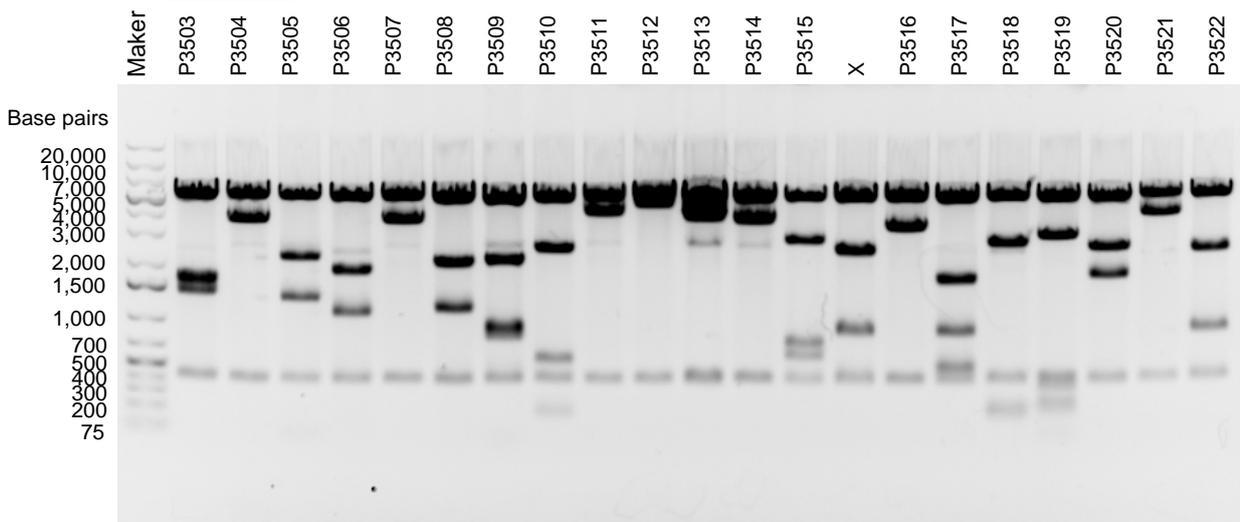
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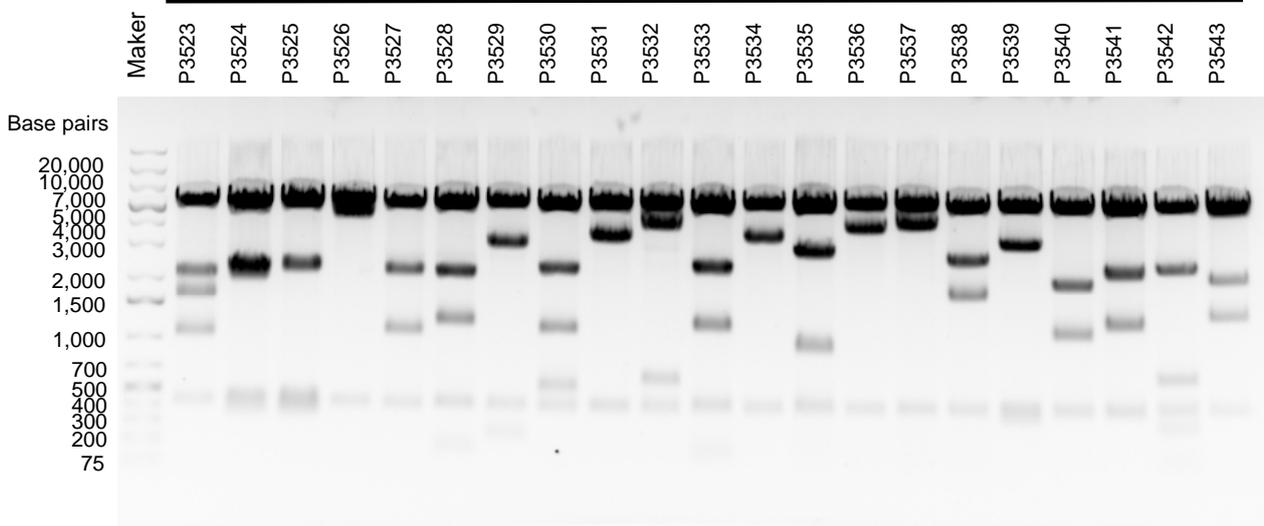
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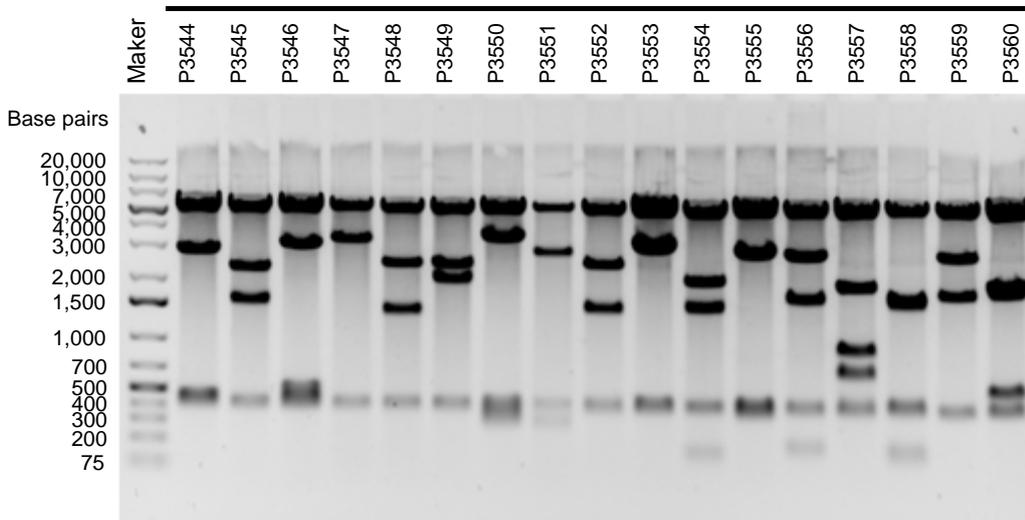
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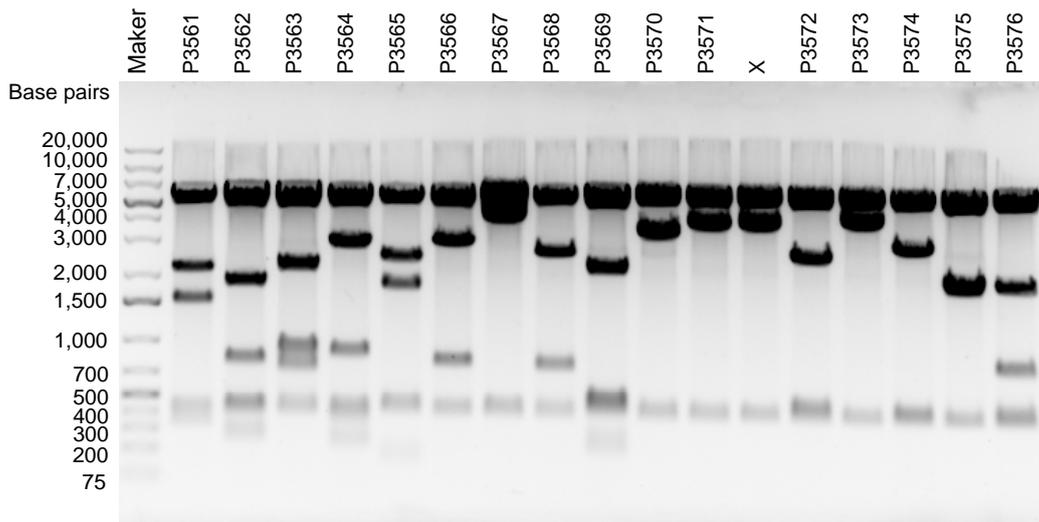
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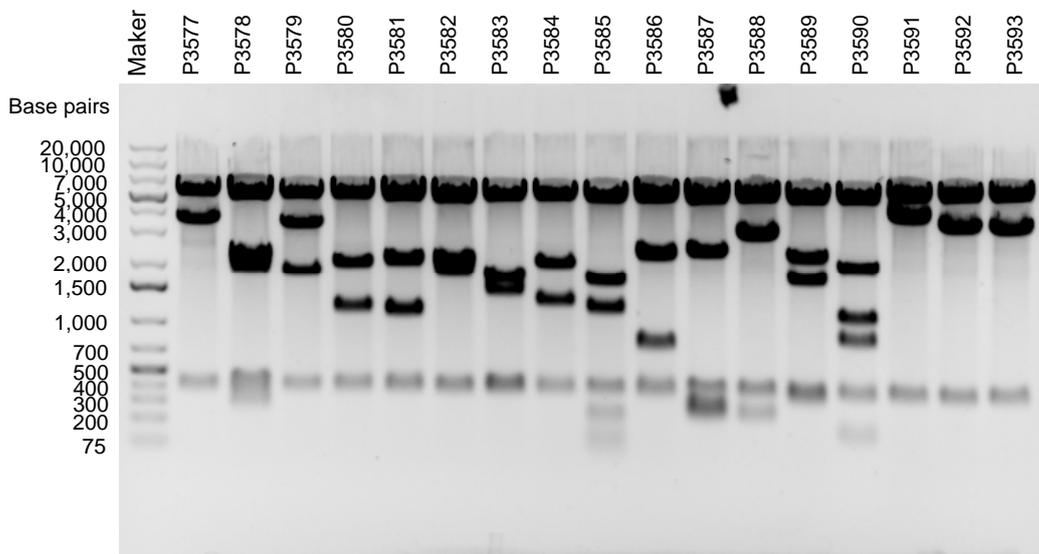
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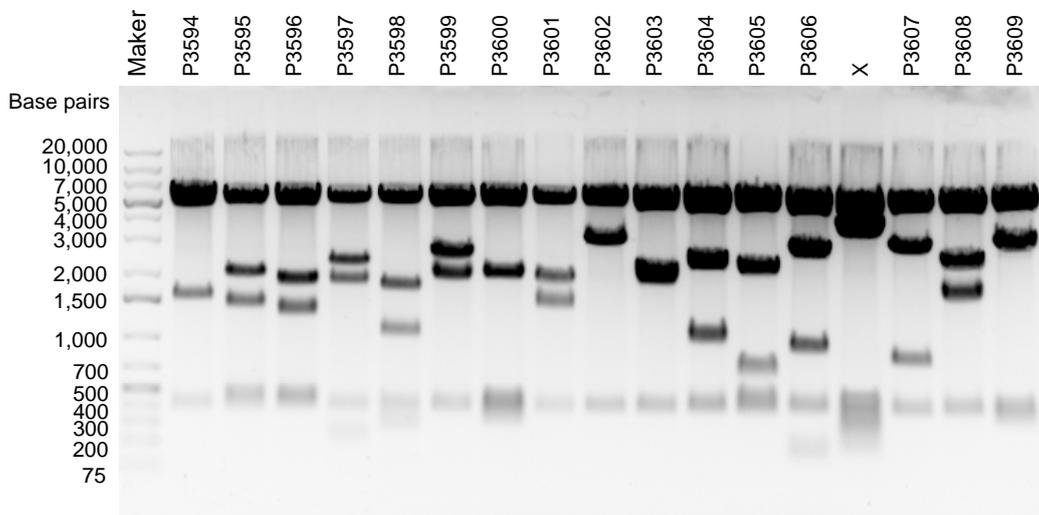
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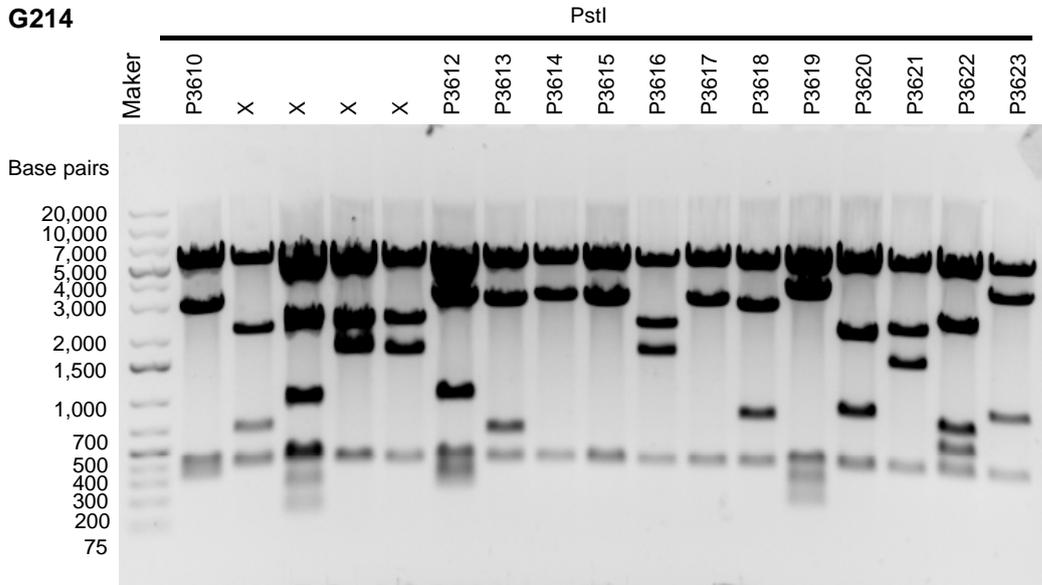


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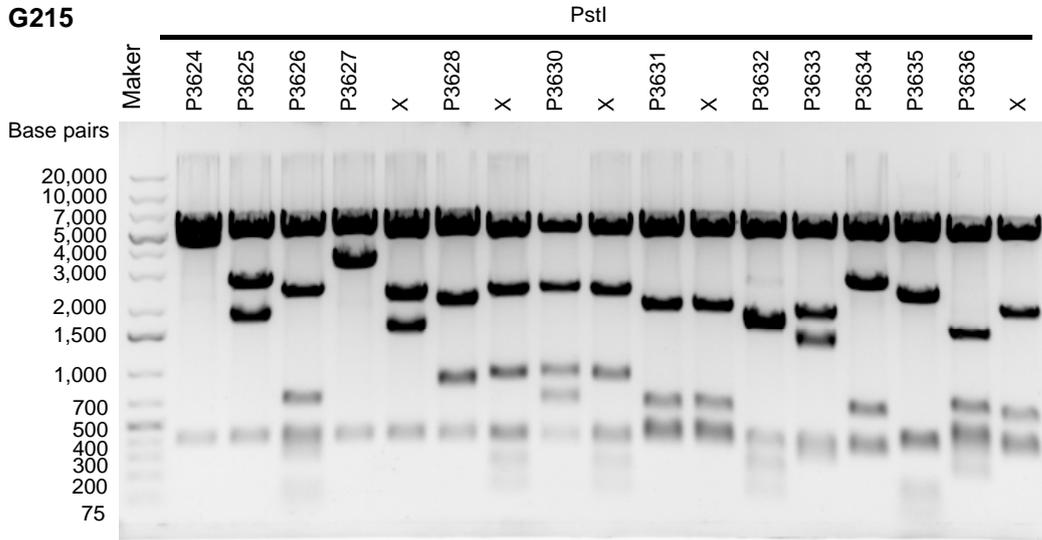
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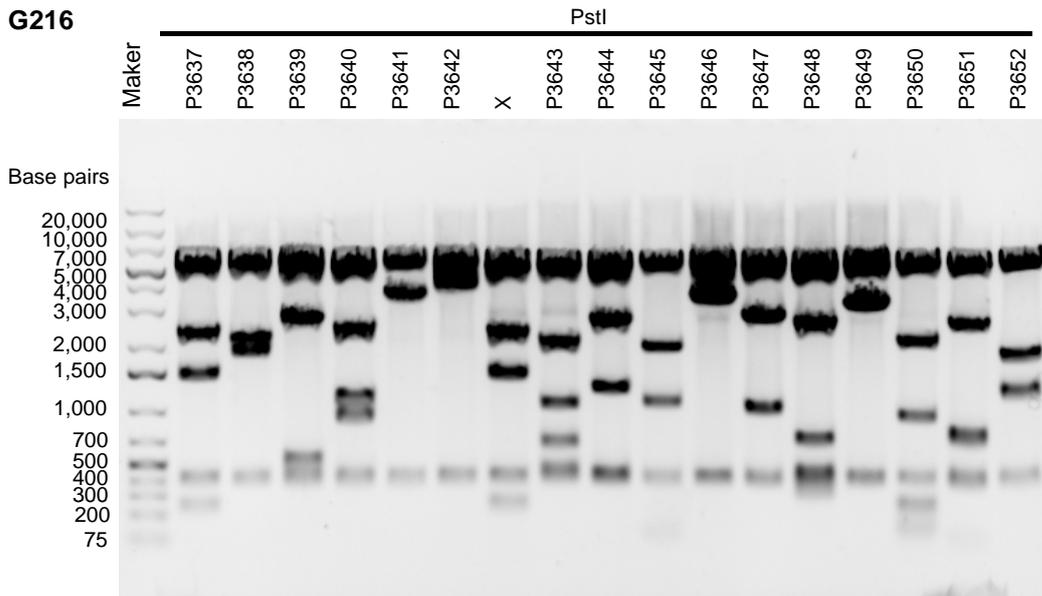
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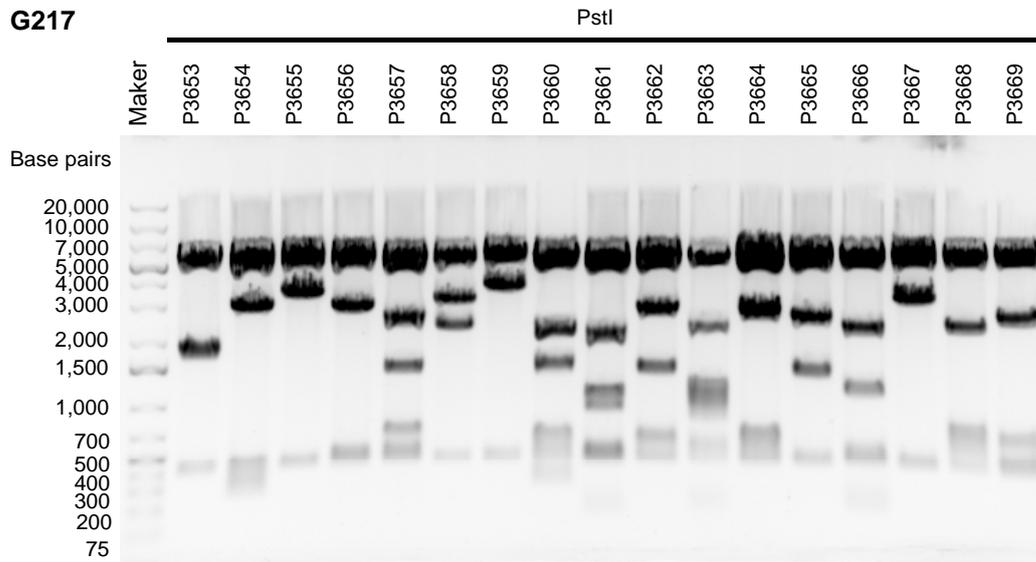
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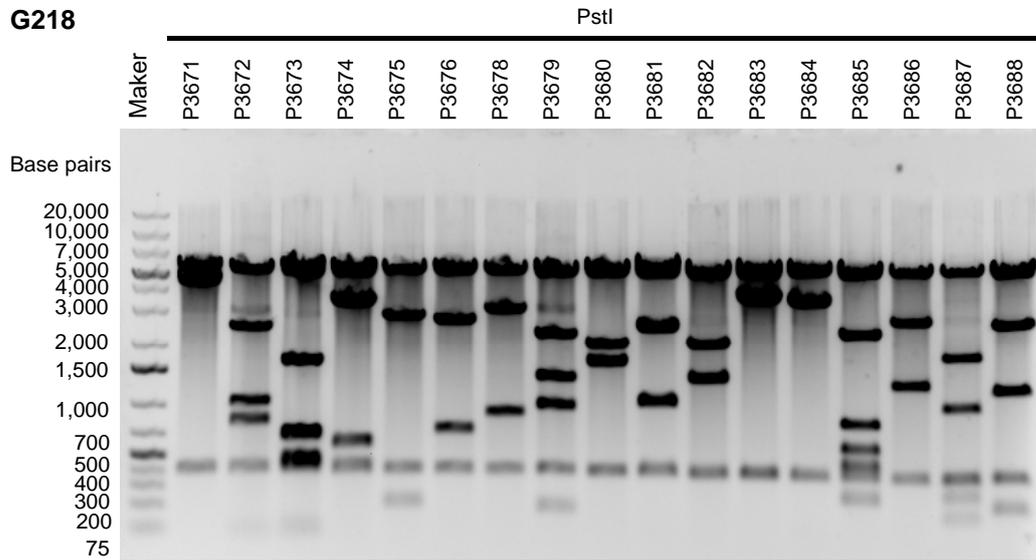
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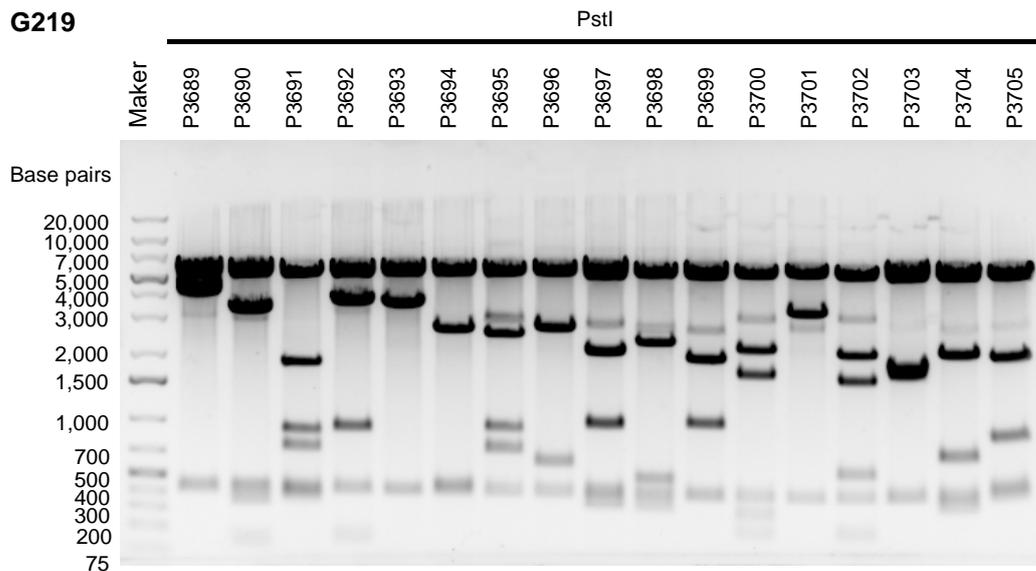
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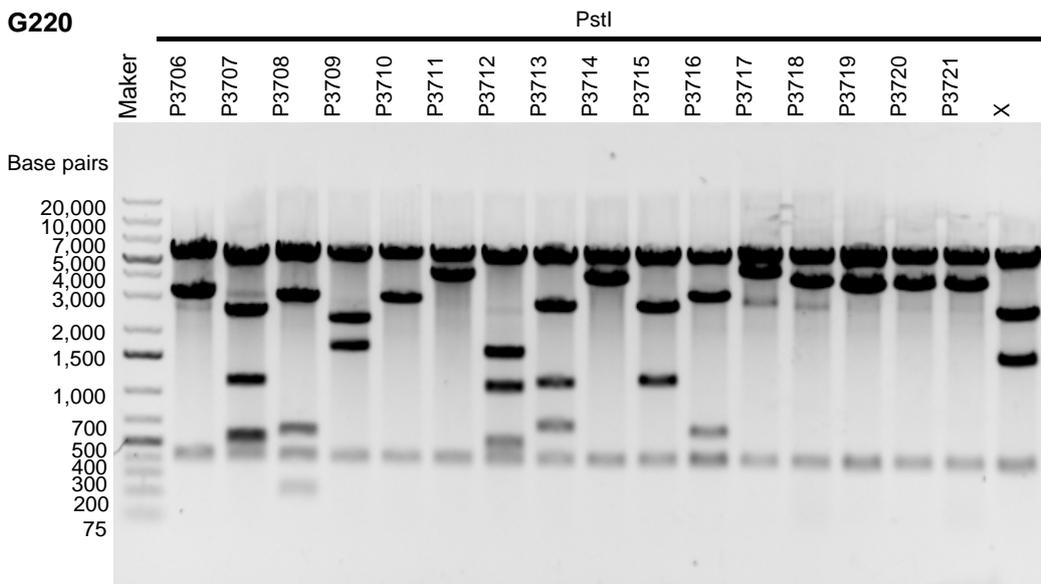
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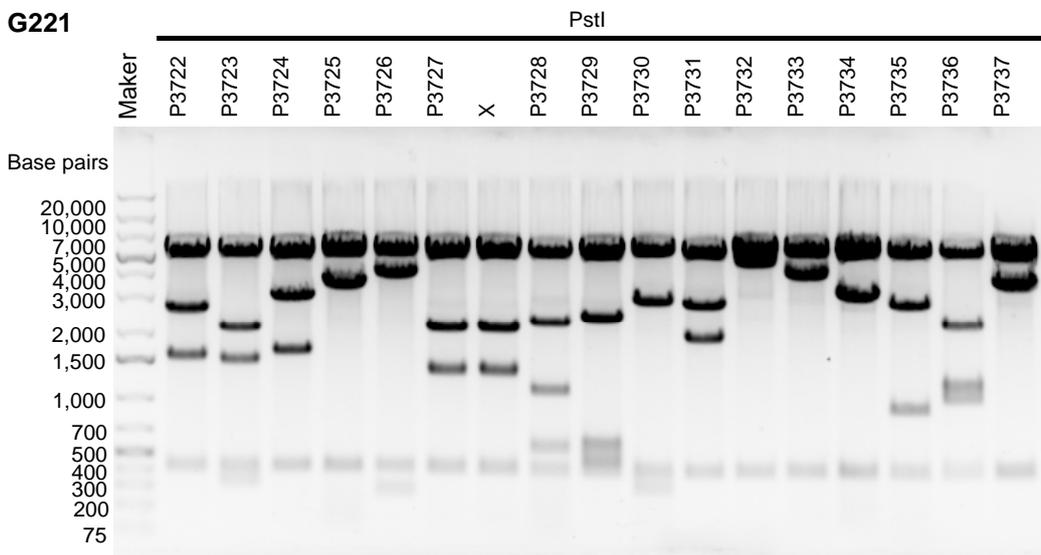
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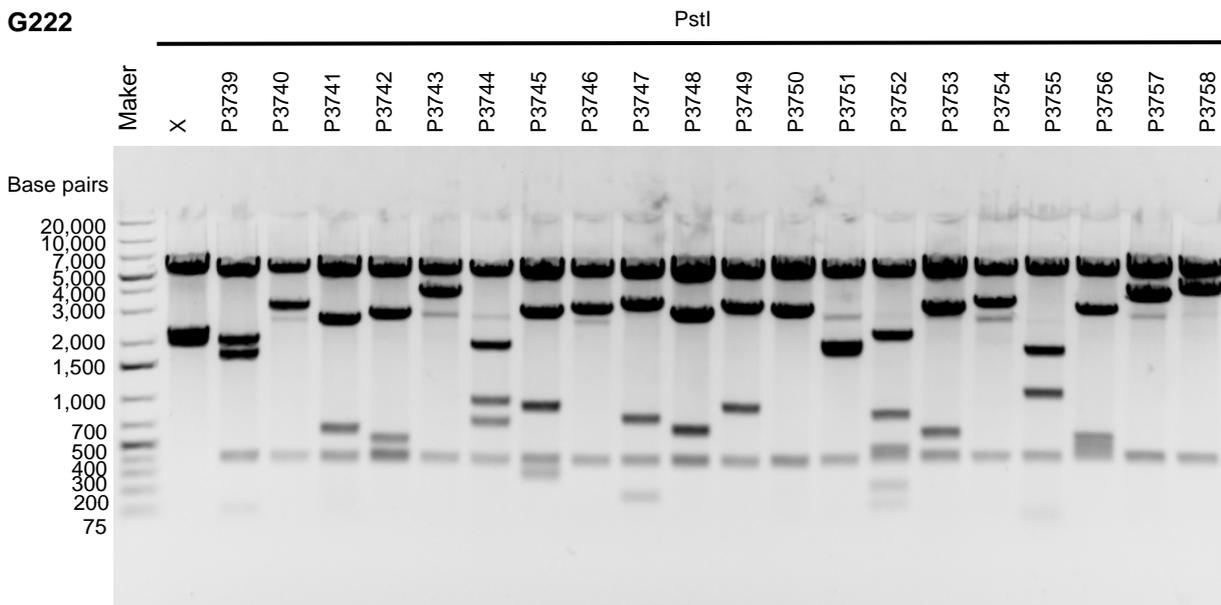
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G221

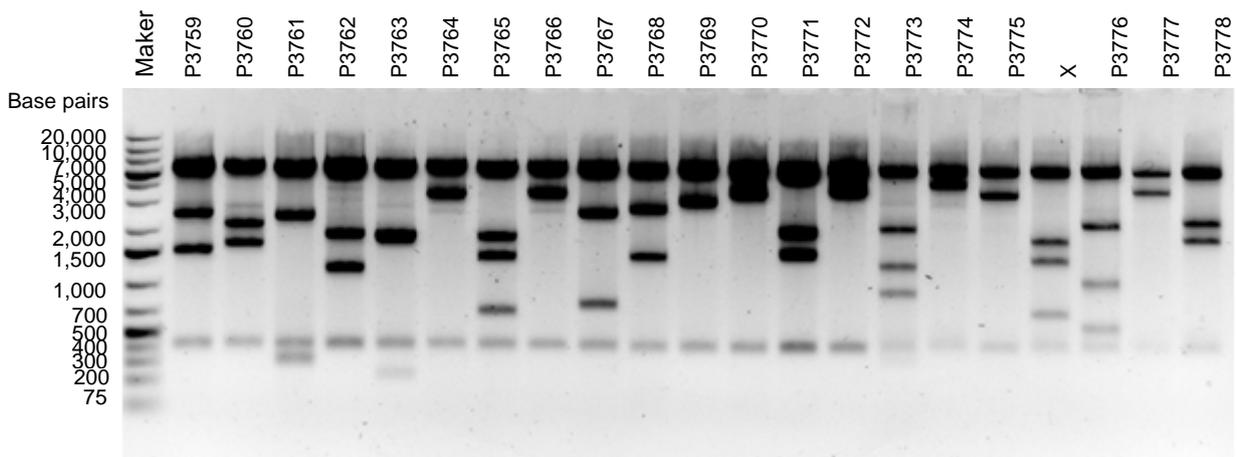


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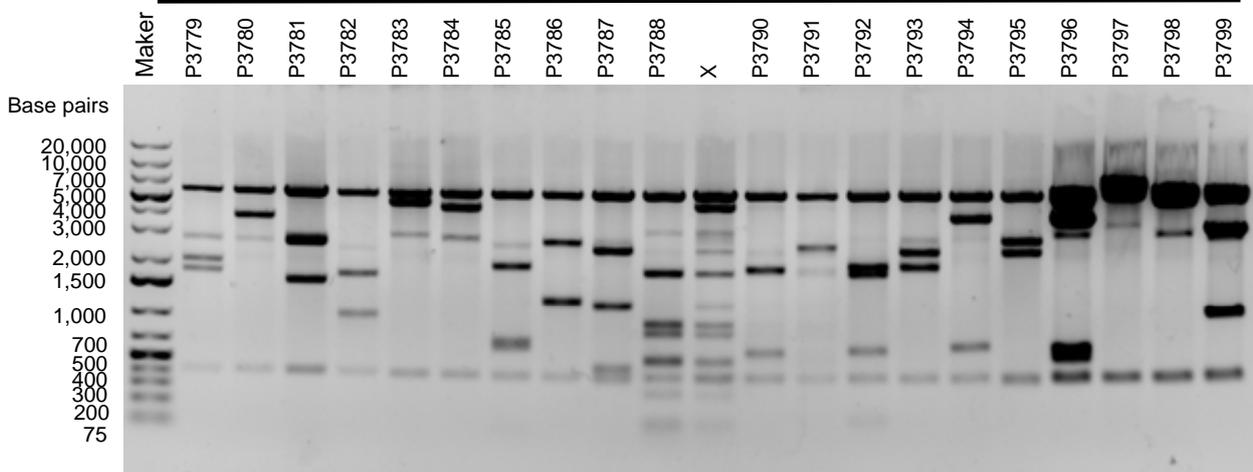
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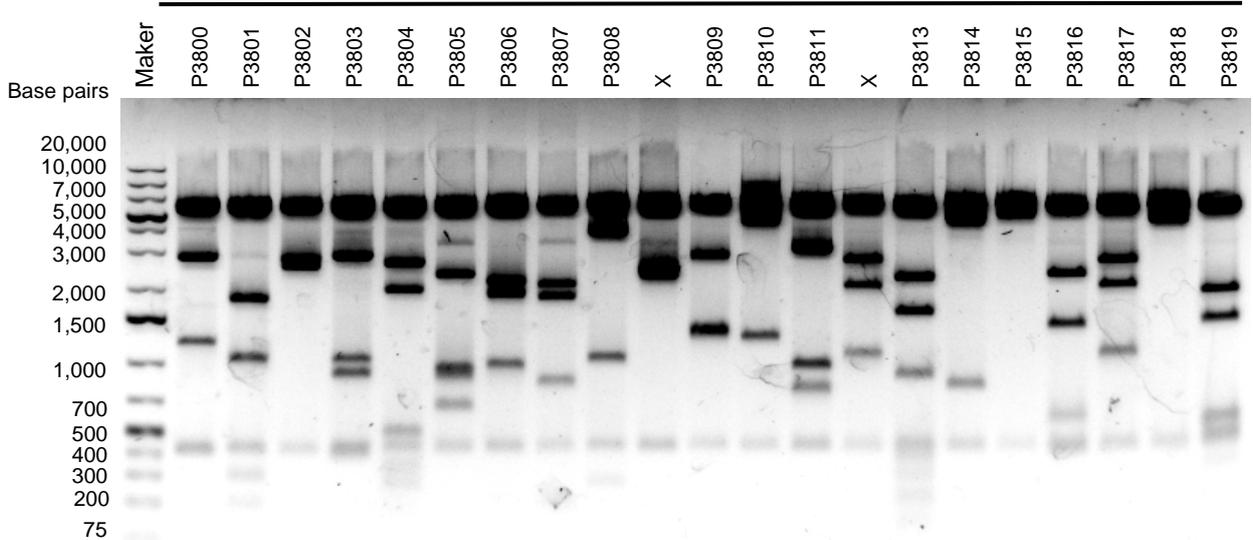
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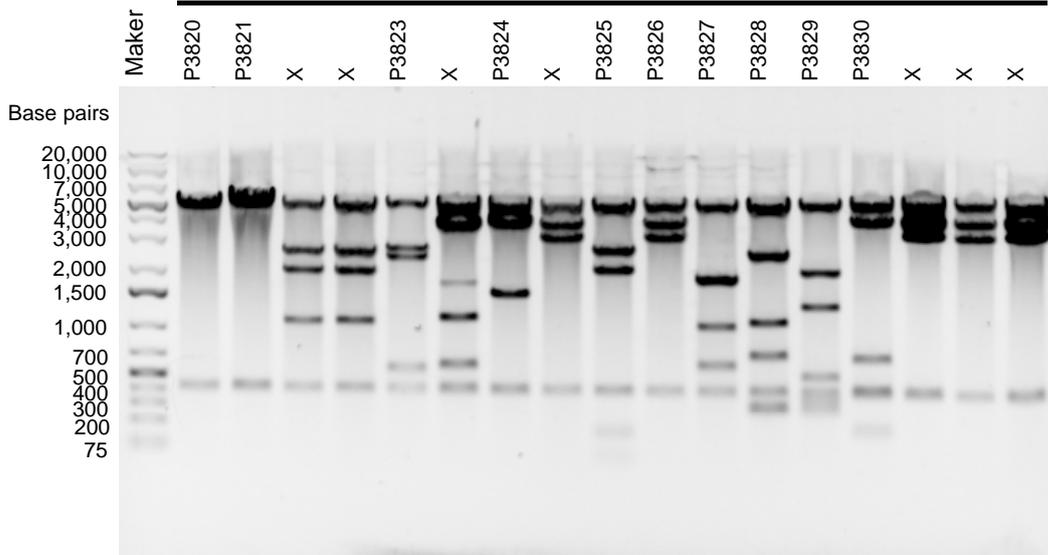
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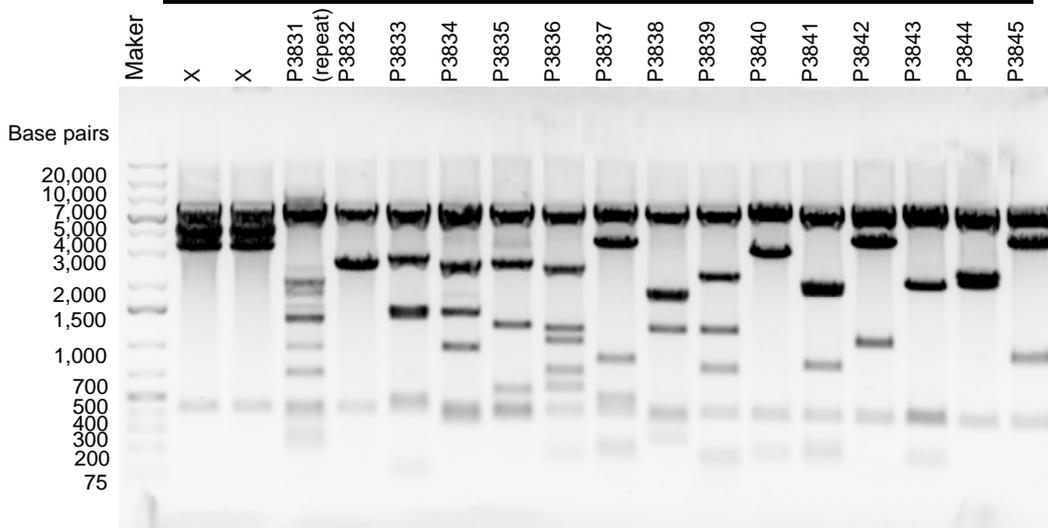


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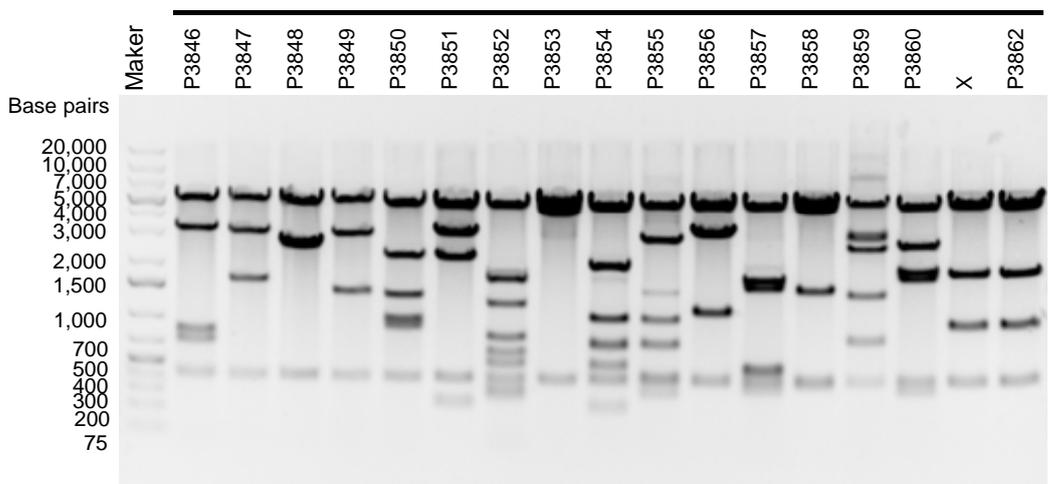
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**G227**

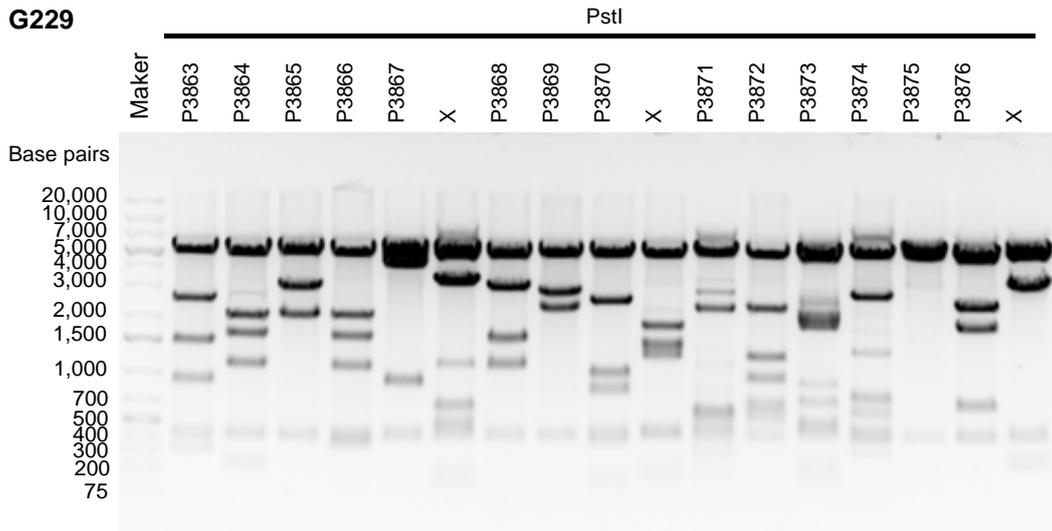
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**G228**

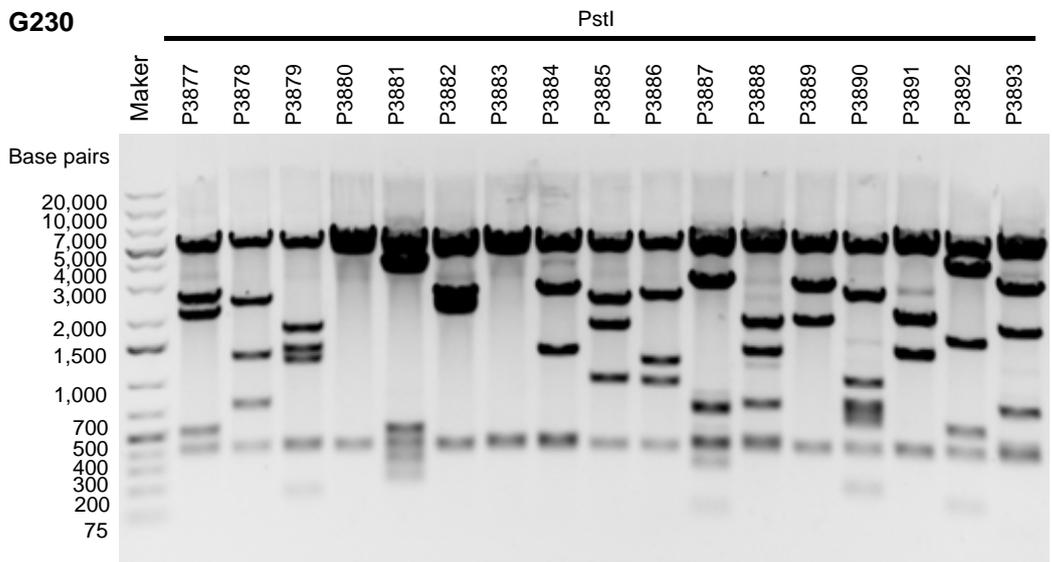
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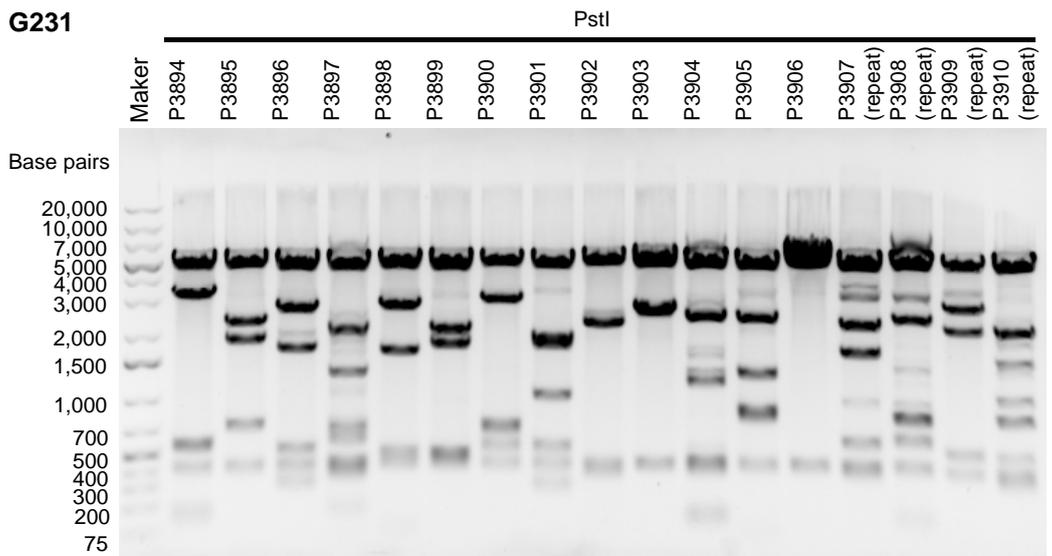
G229



G230

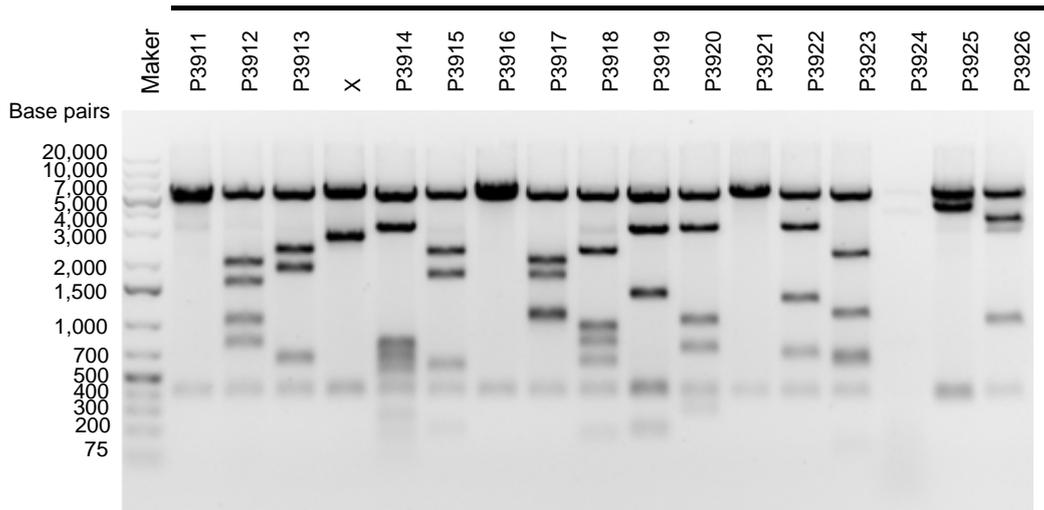


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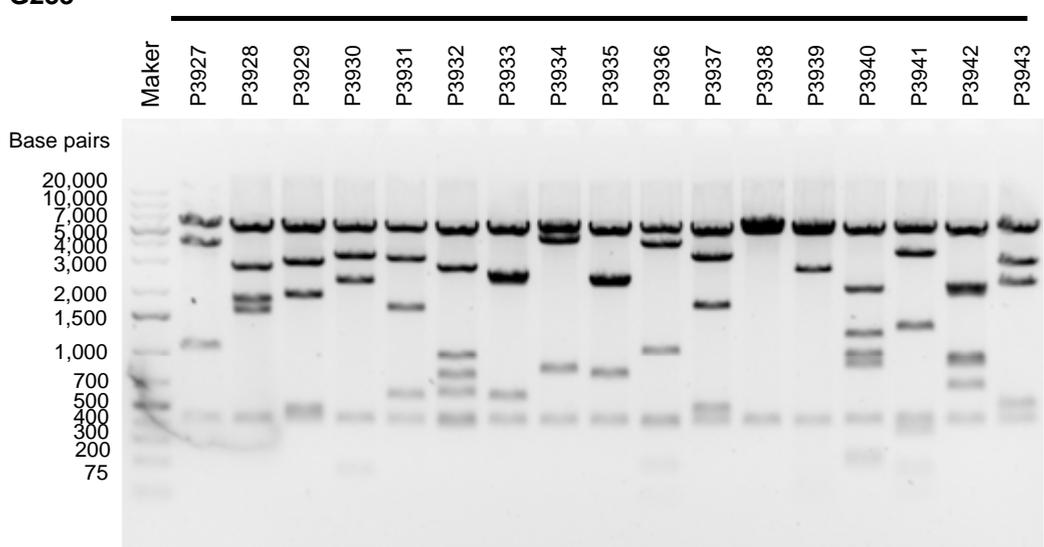
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PstI



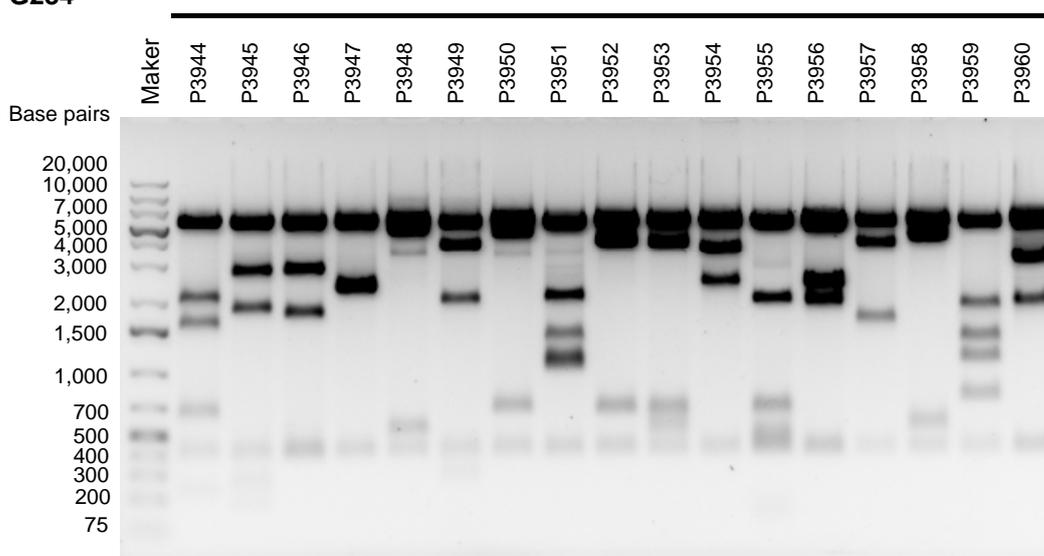
G233

PstI



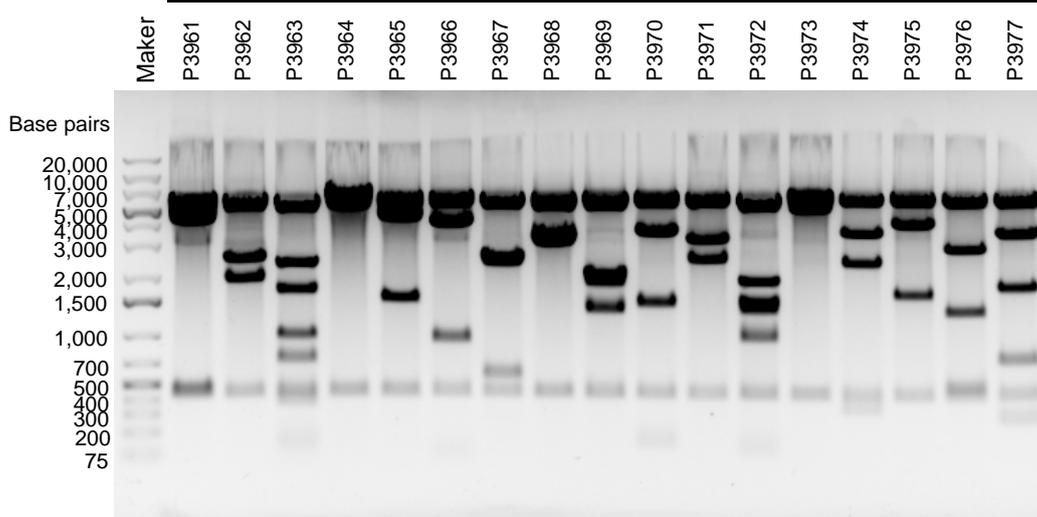
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PstI

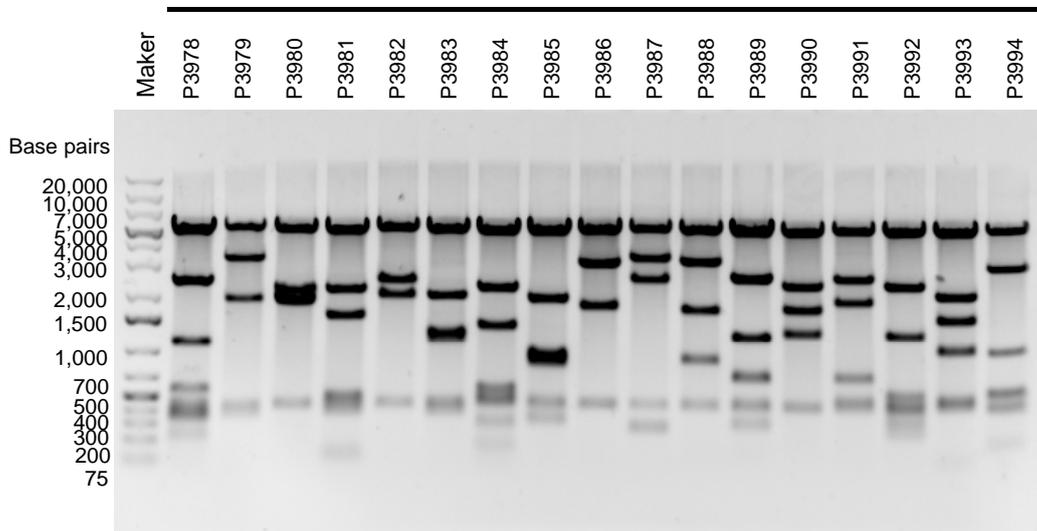


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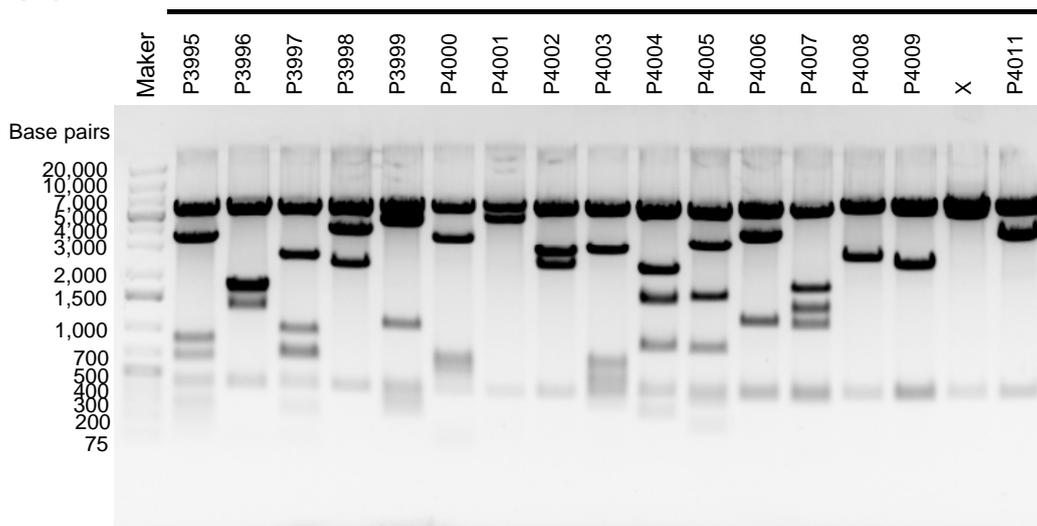
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**G236**

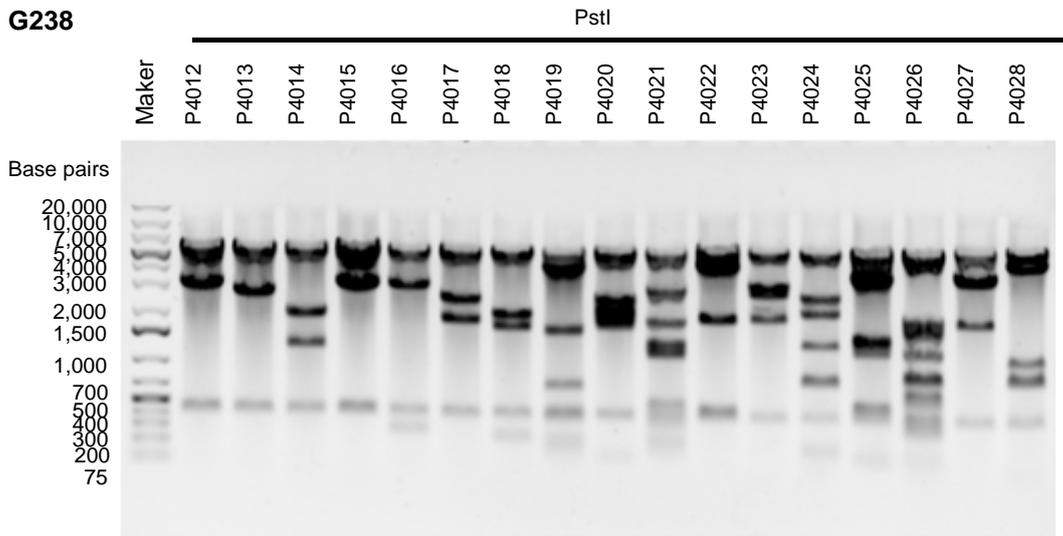
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**G237**

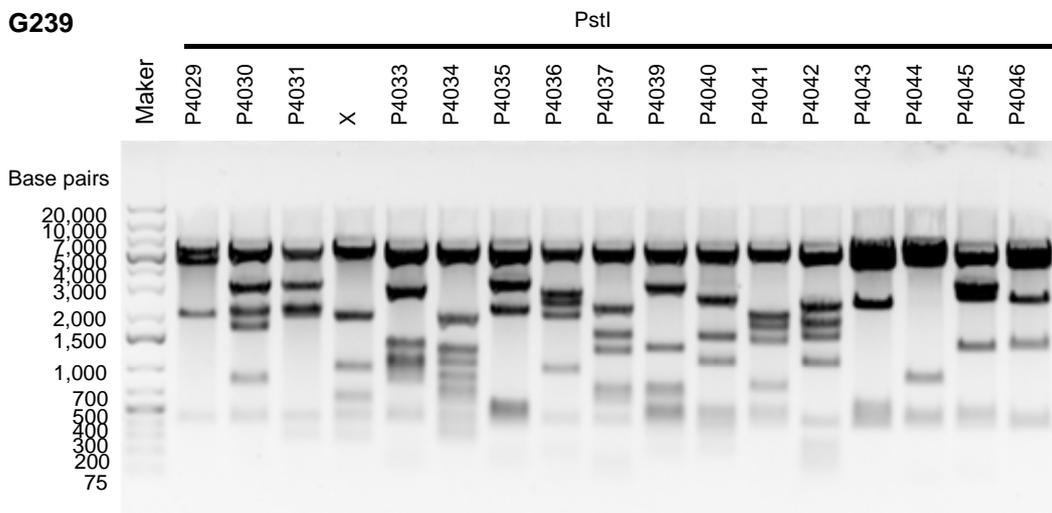
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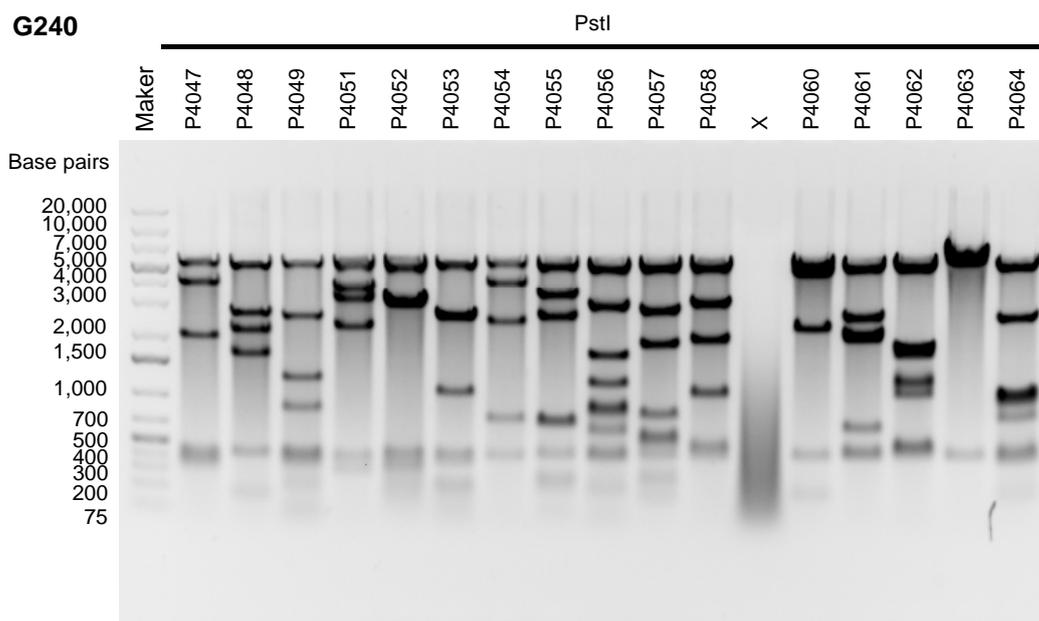
G238



G239

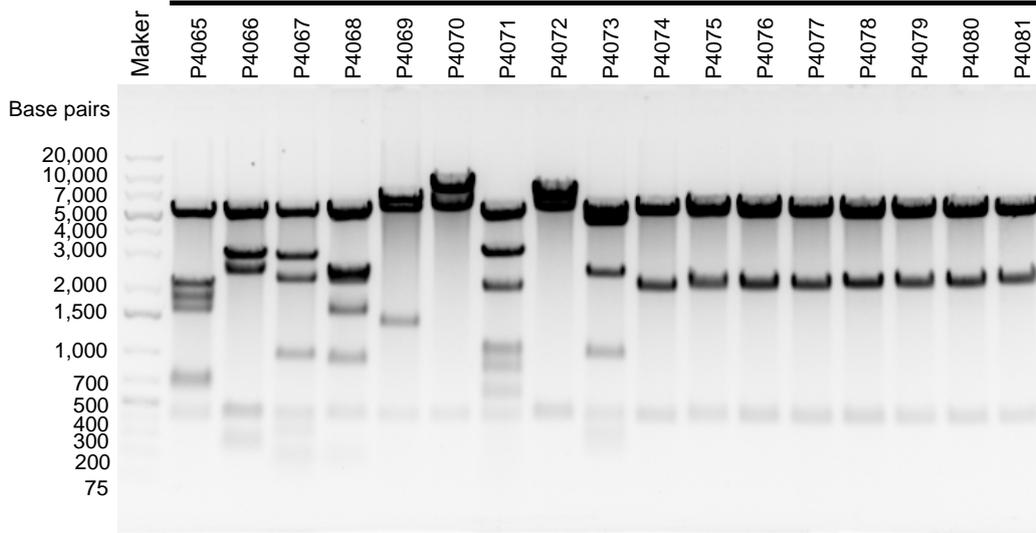


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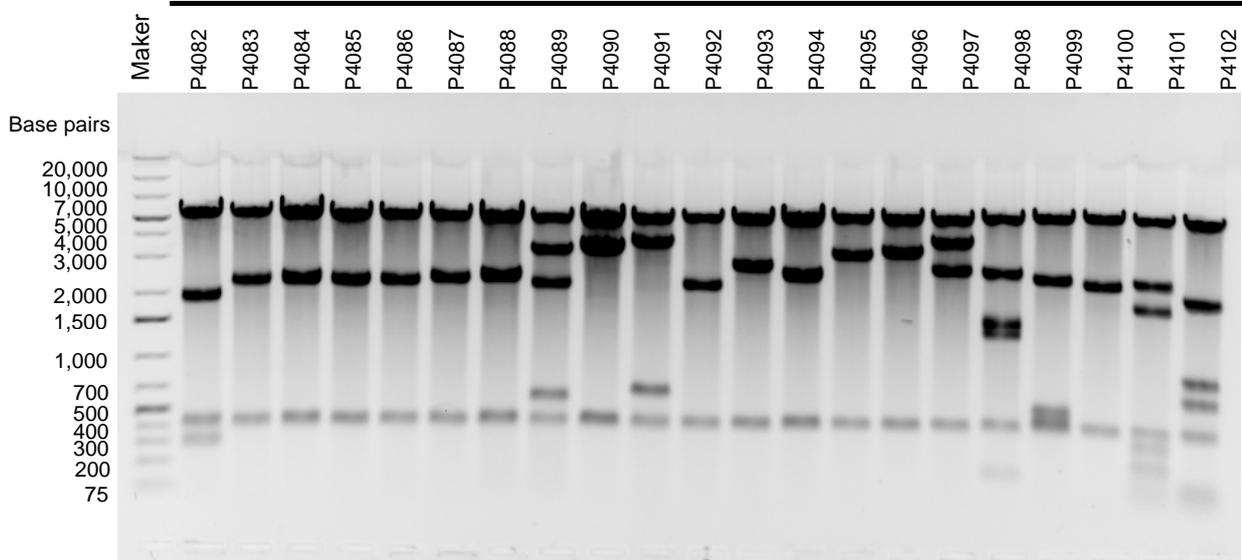
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PstI



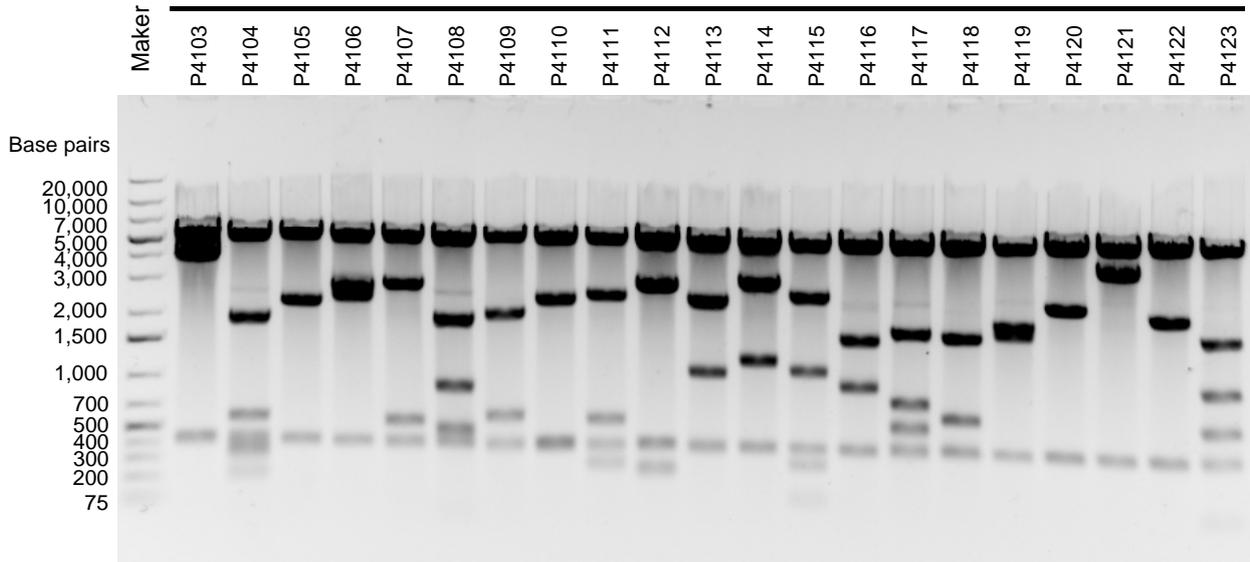
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PstI

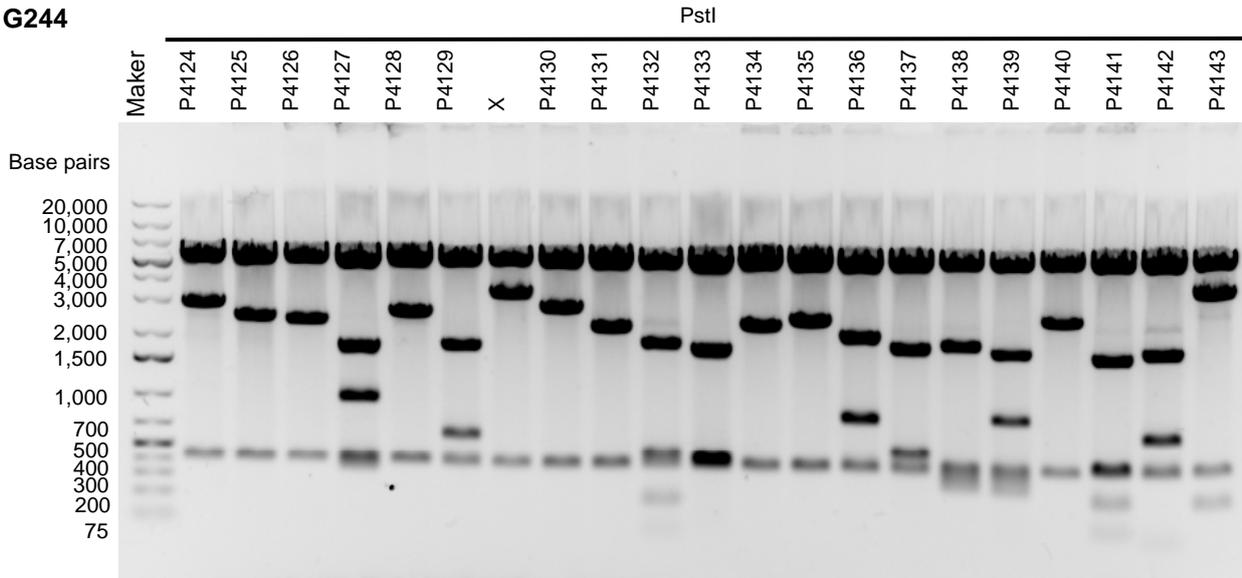


G243

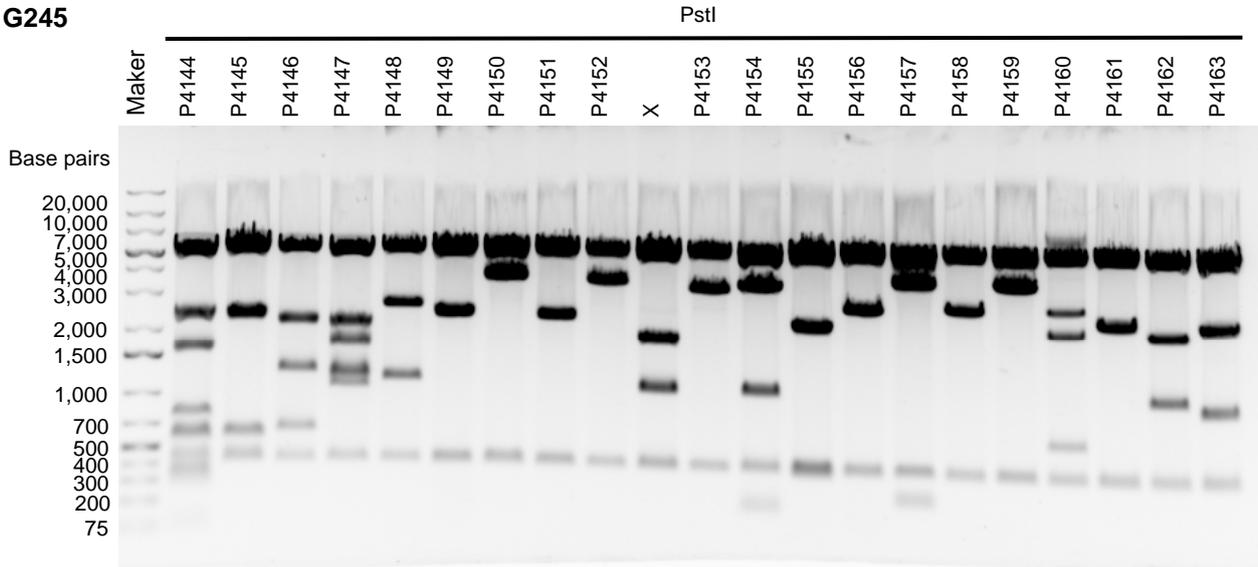
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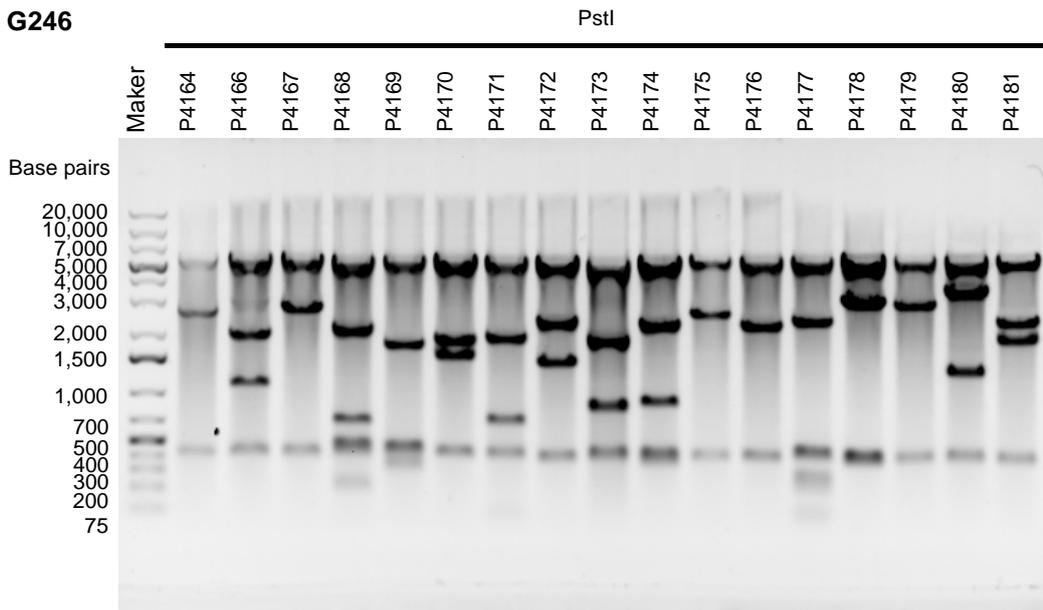
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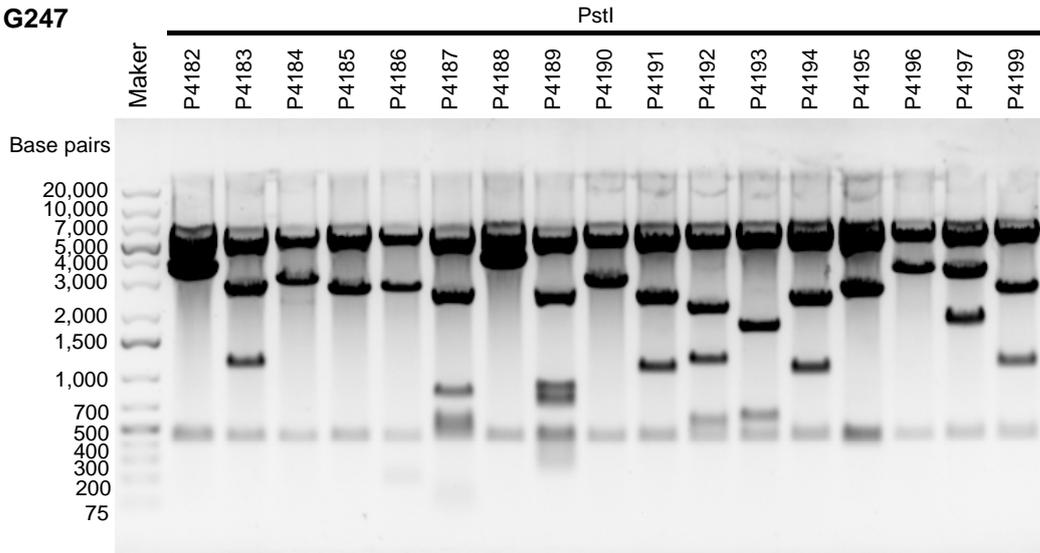
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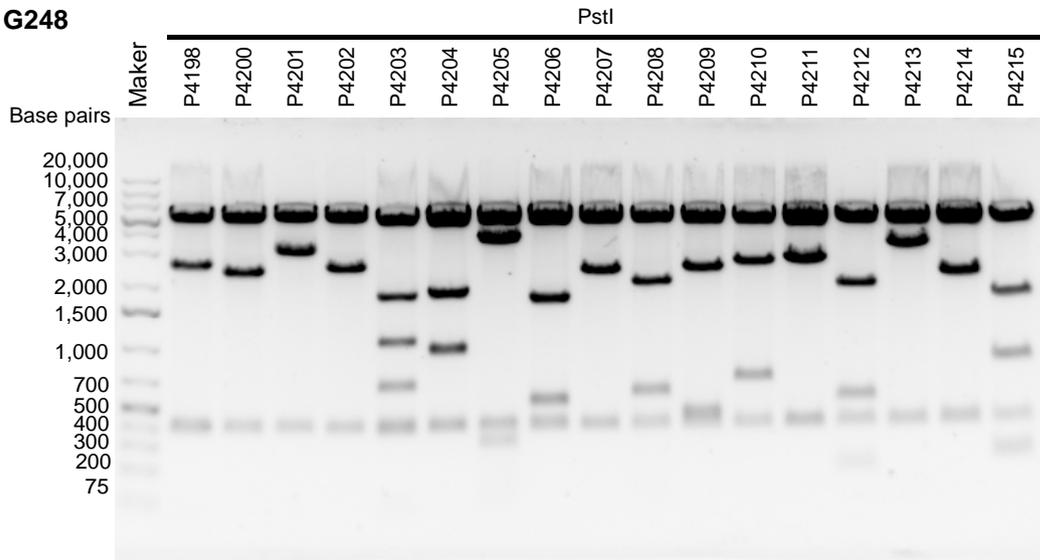
G246



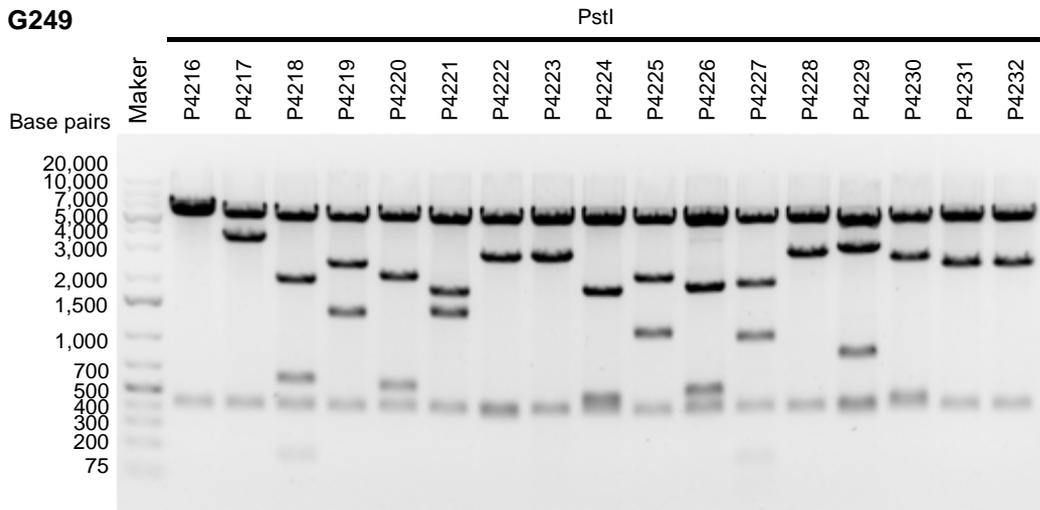
G247



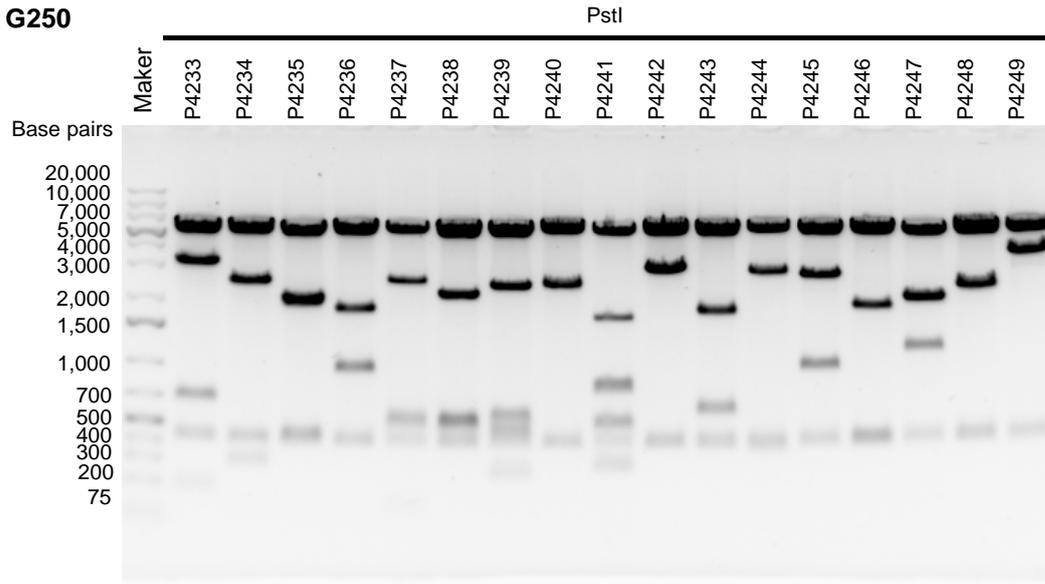
G248



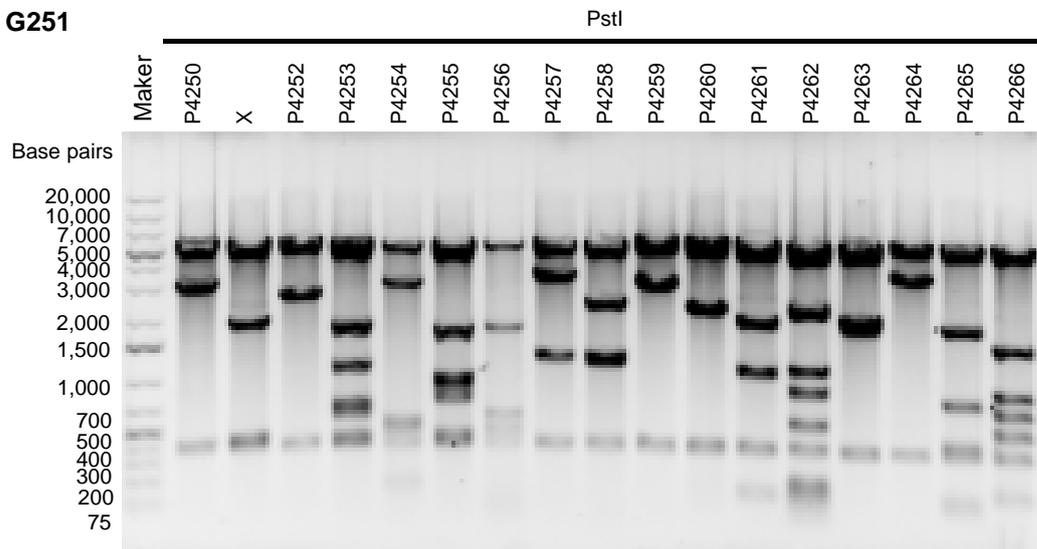
G249



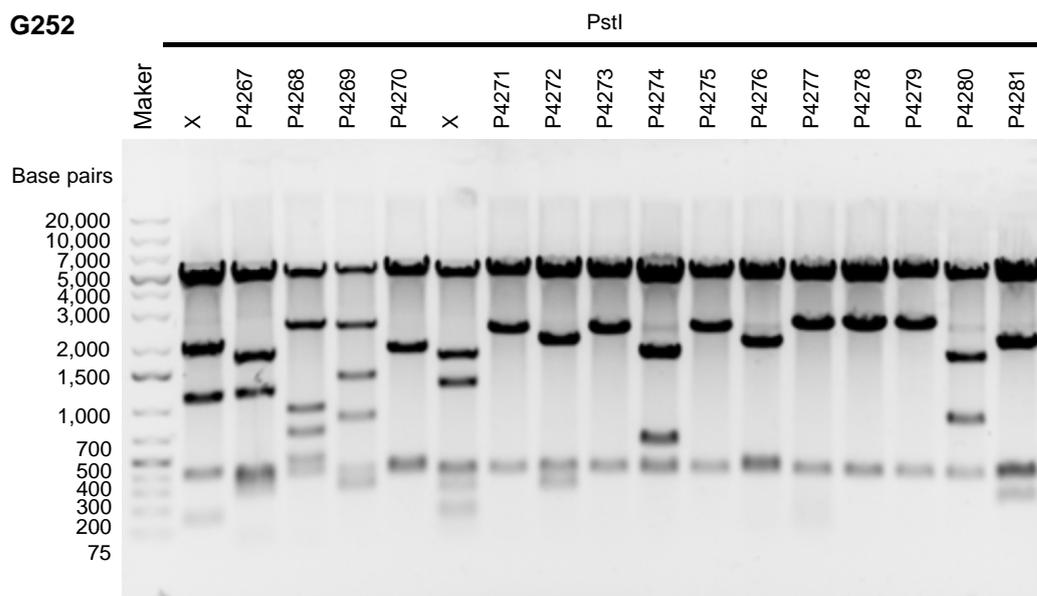
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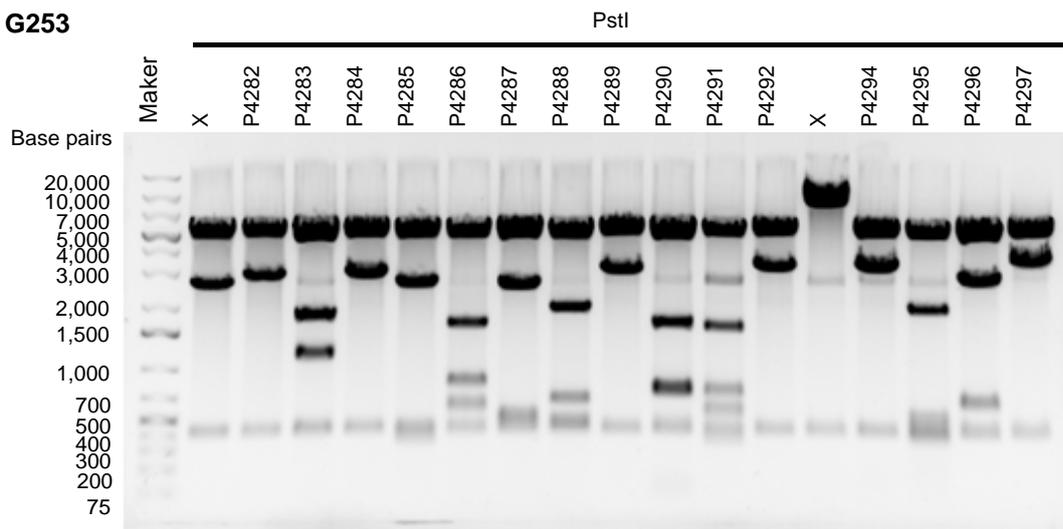
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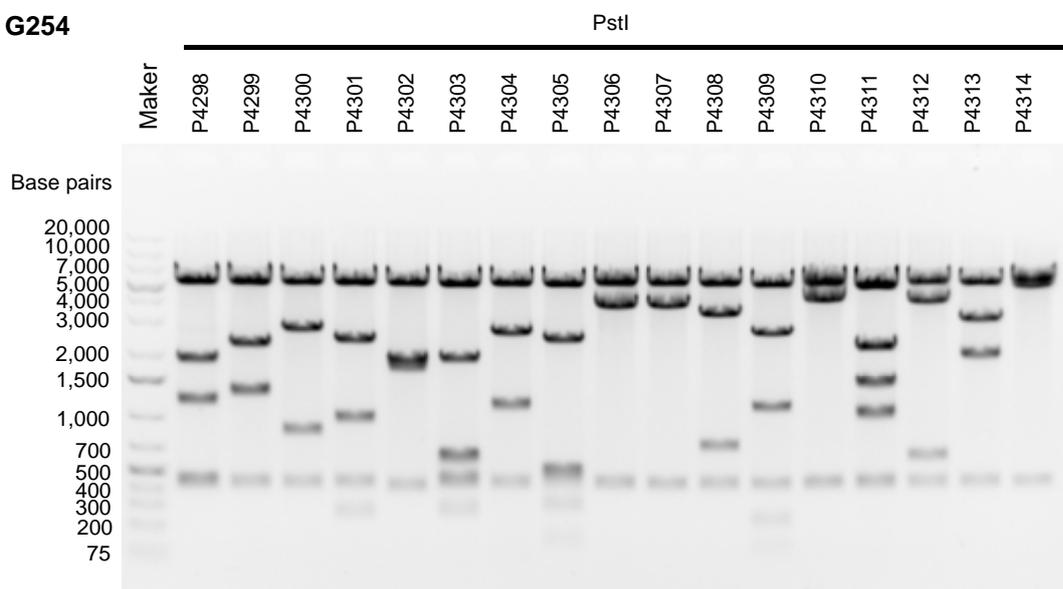
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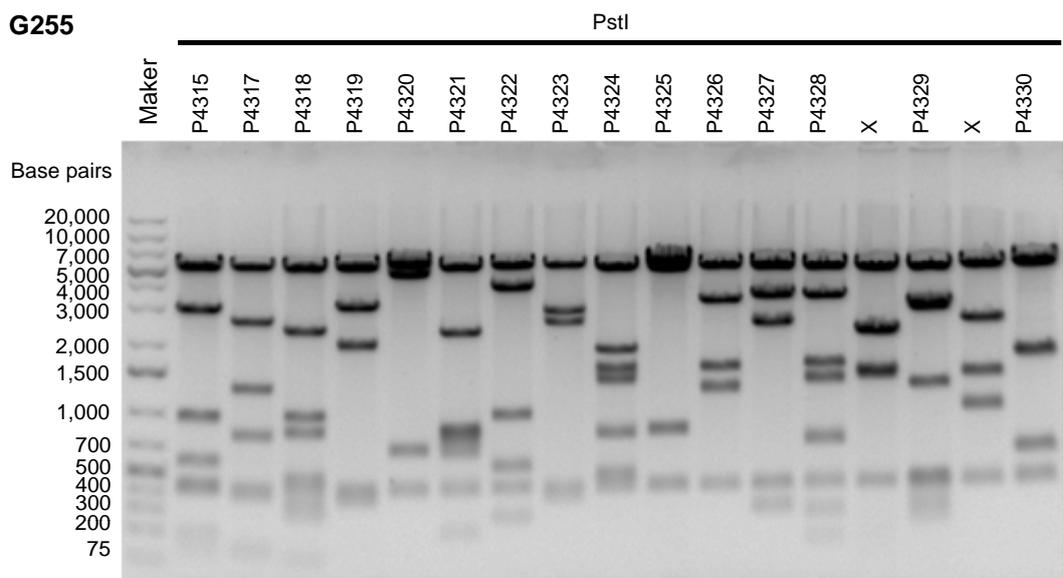
G253



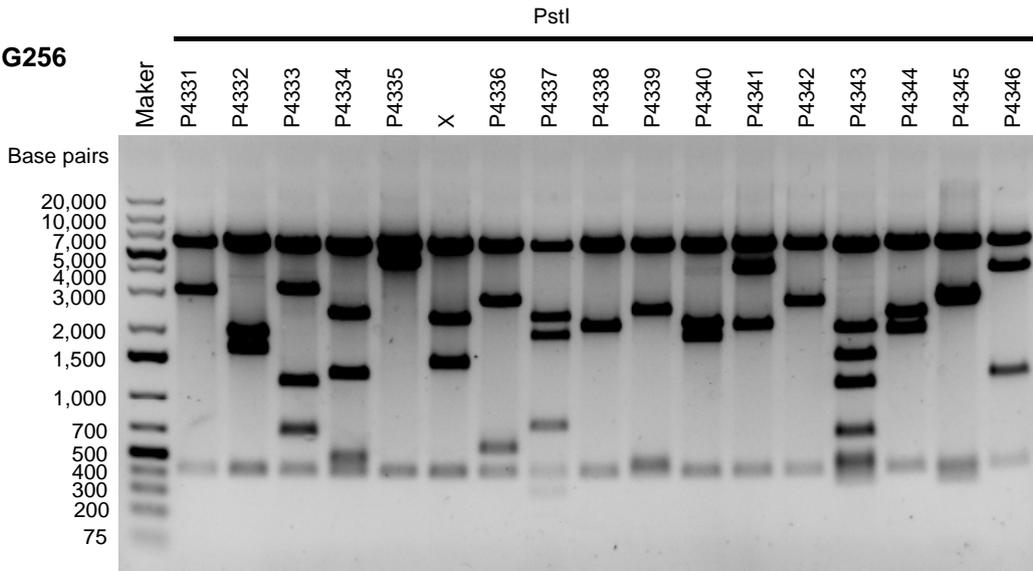
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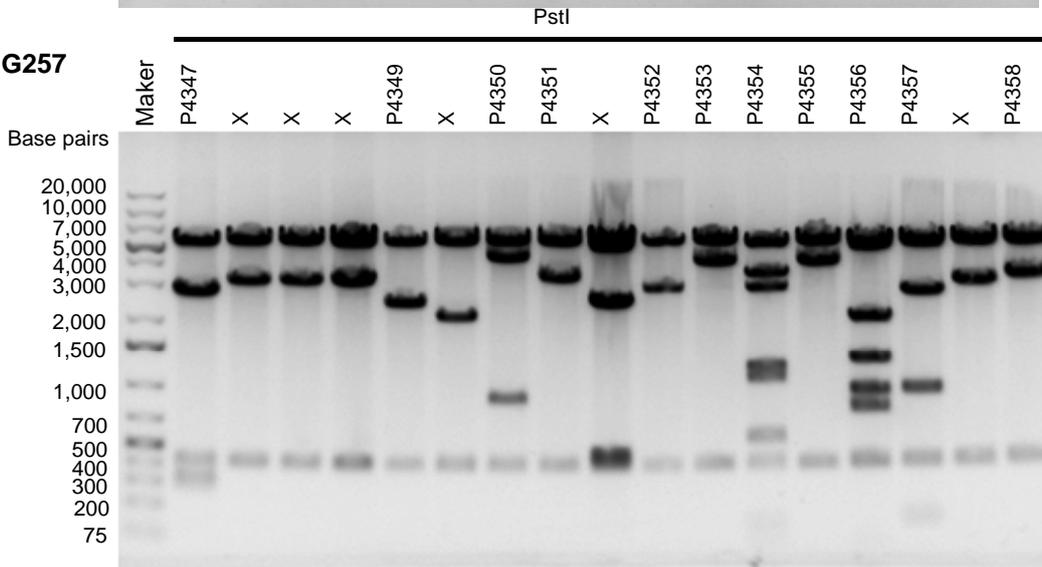
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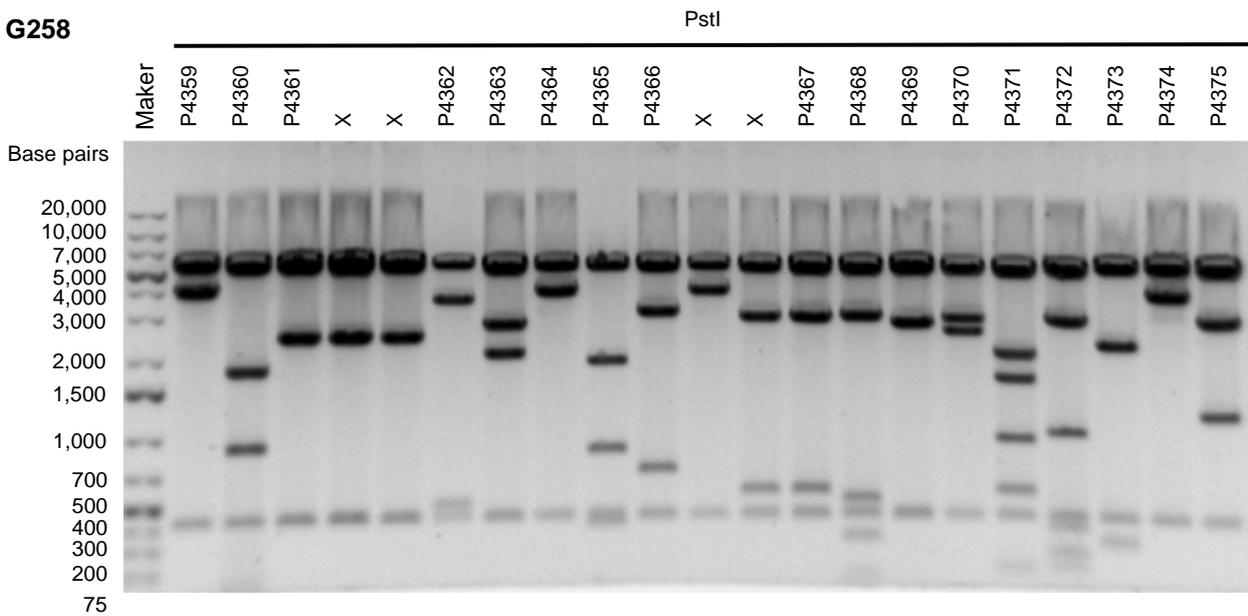
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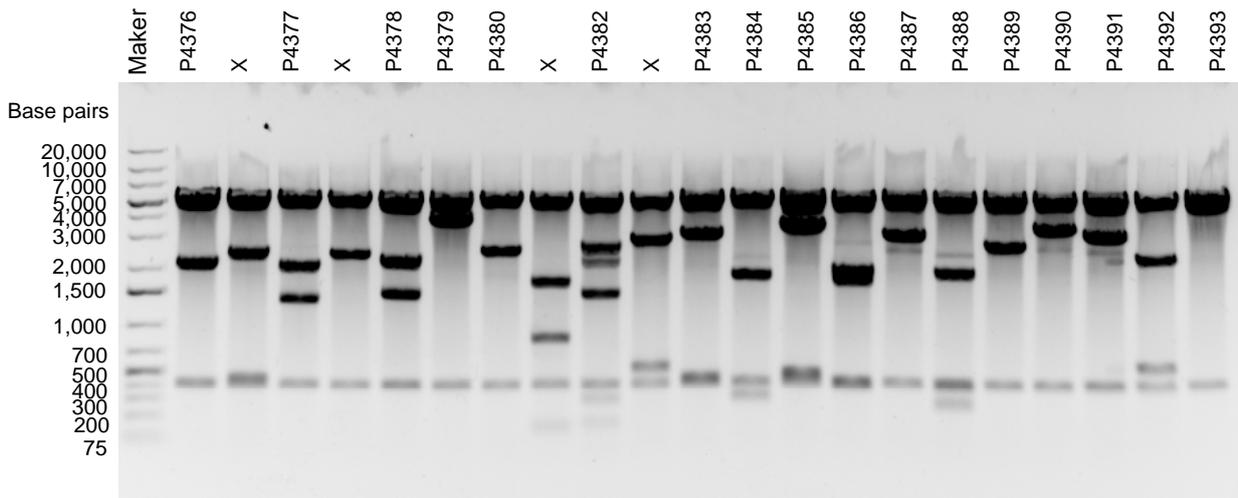


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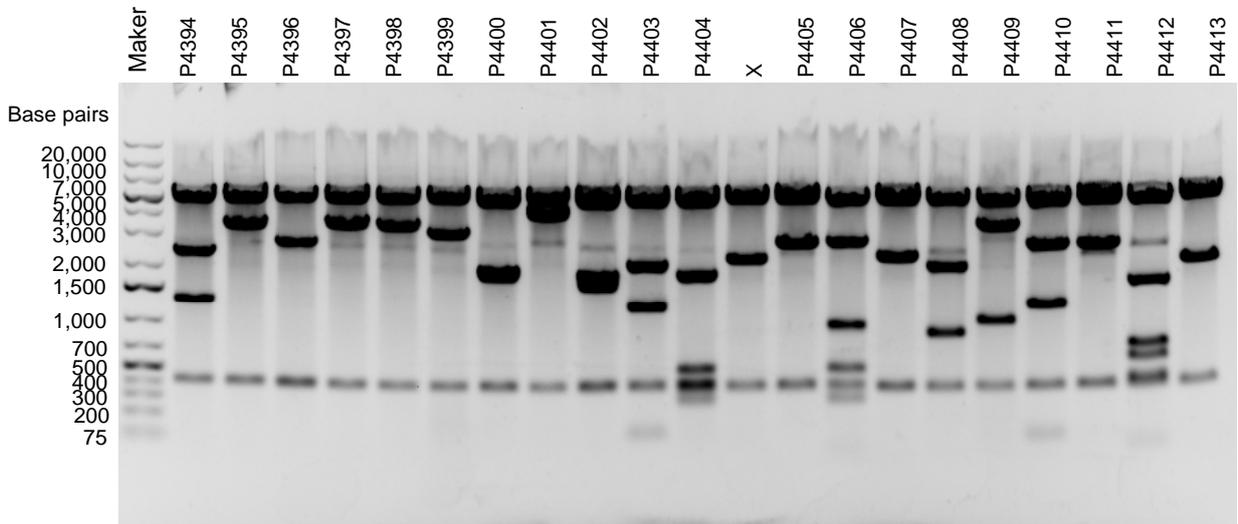
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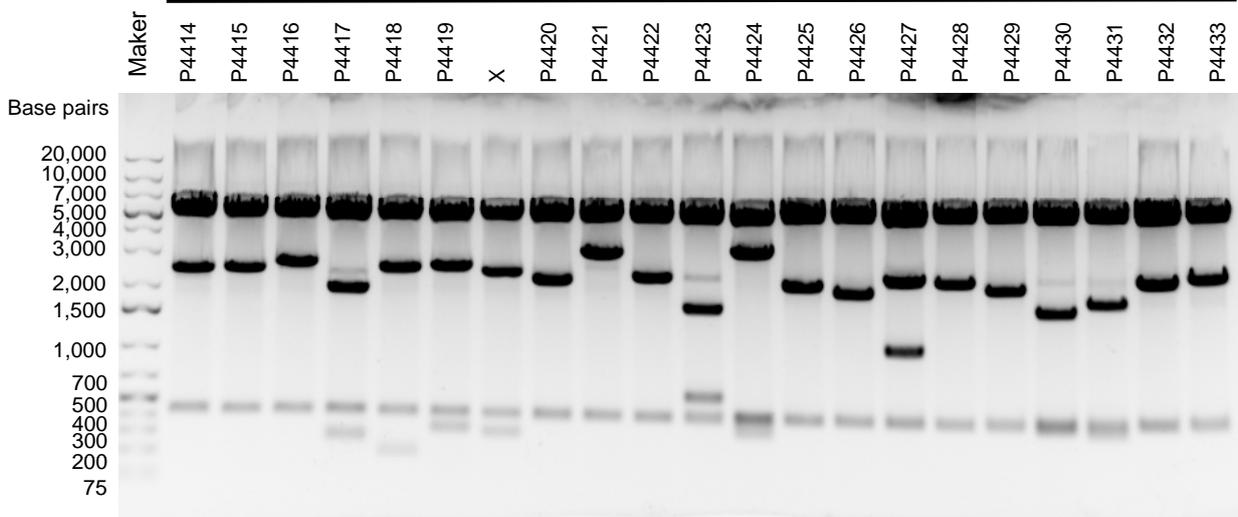
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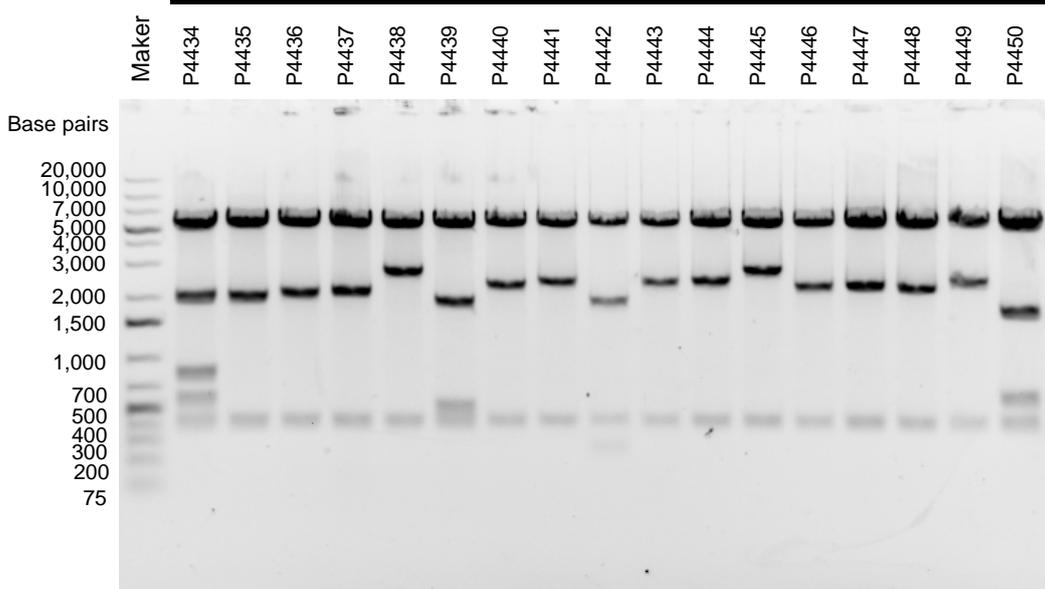
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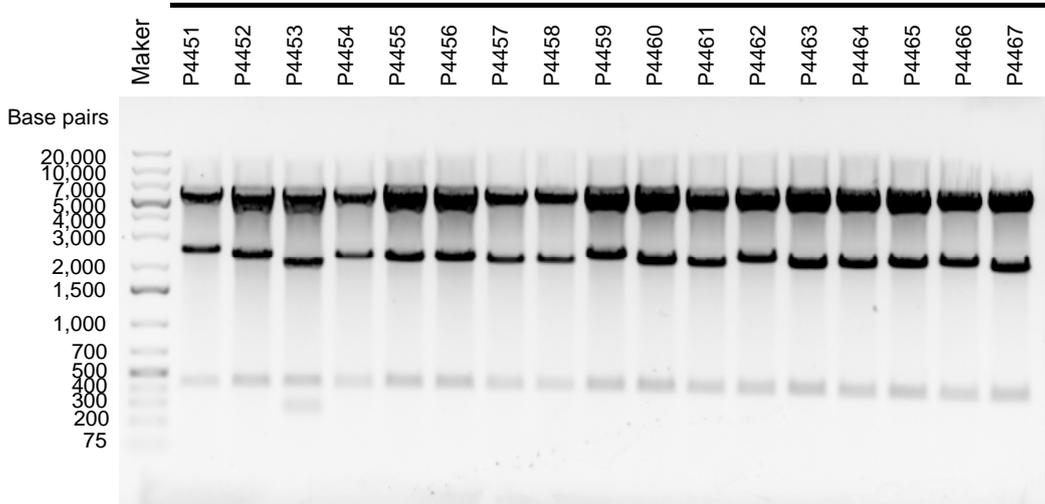
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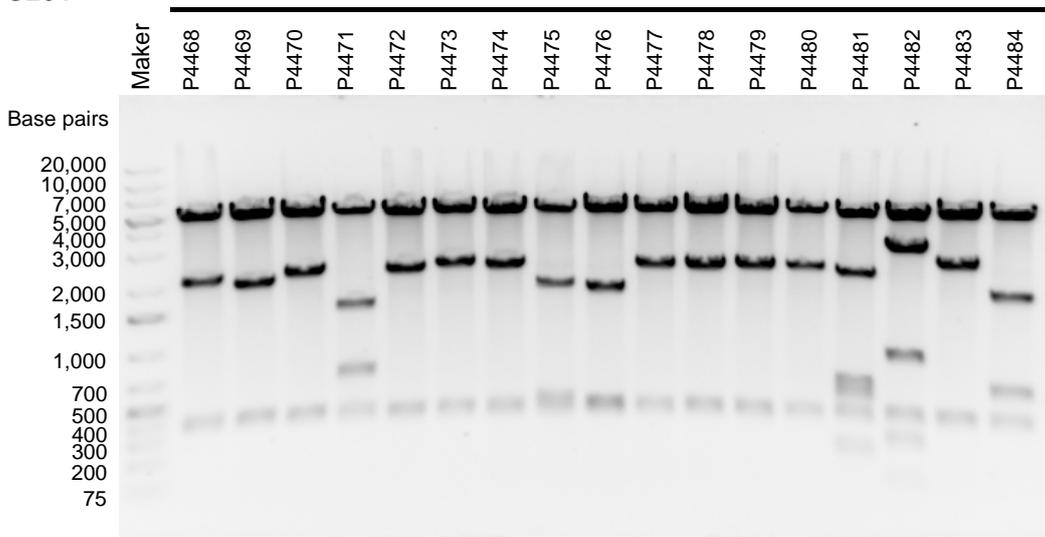
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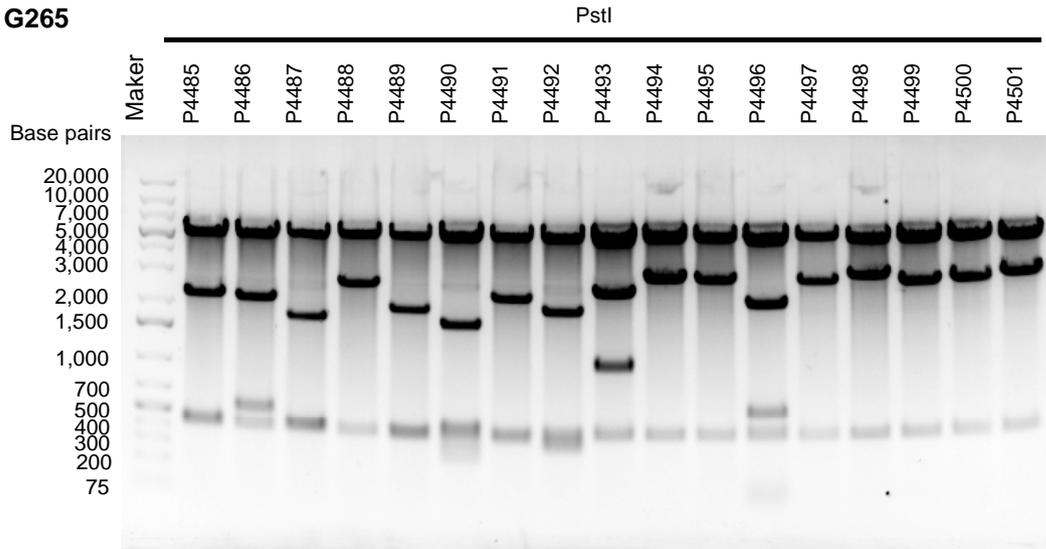


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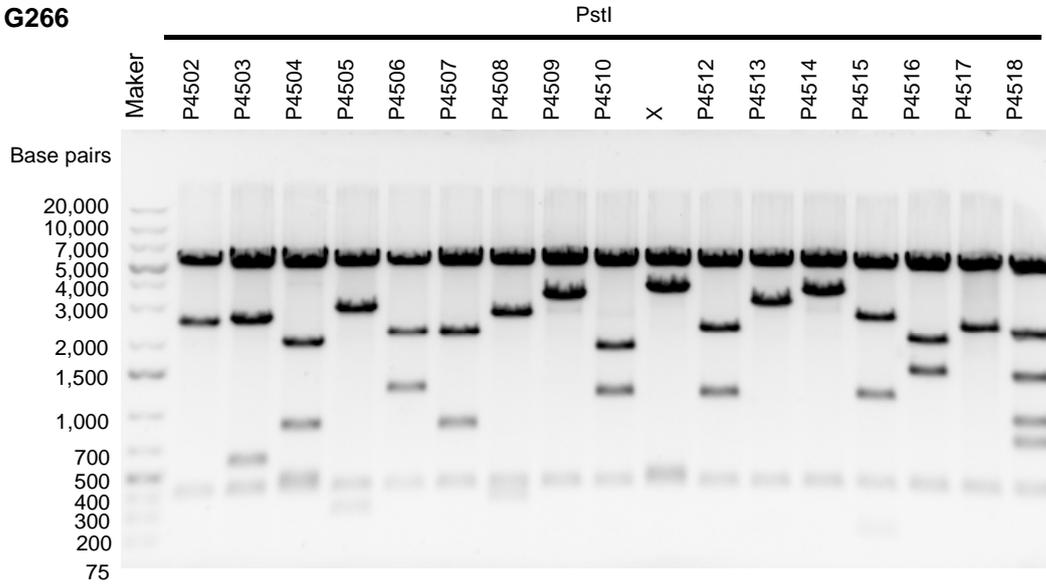
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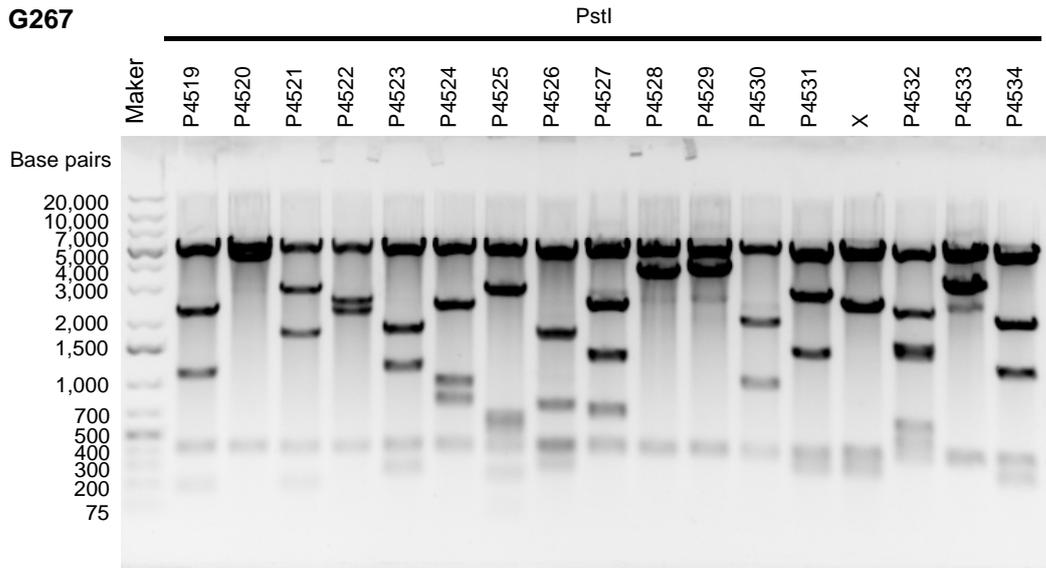
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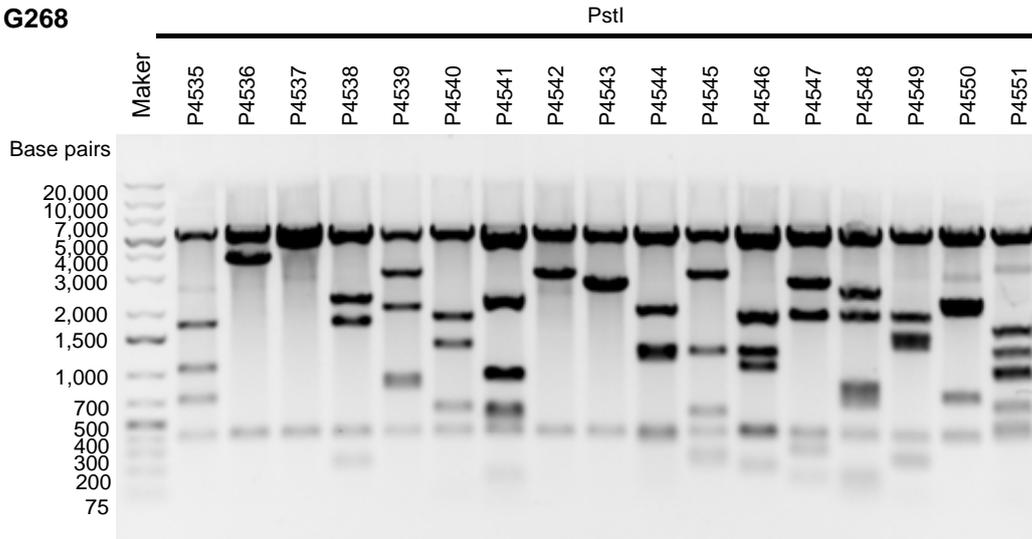
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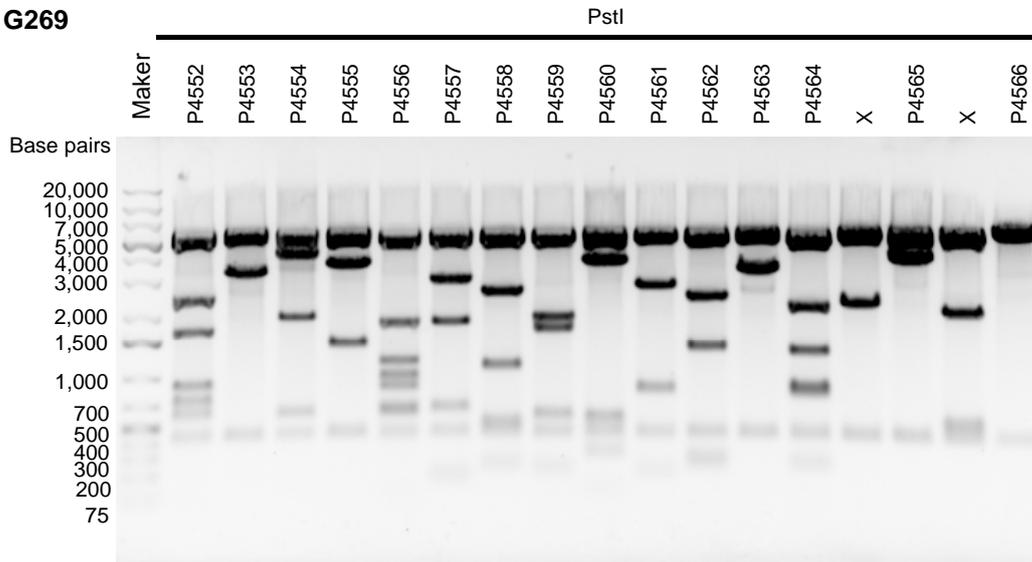
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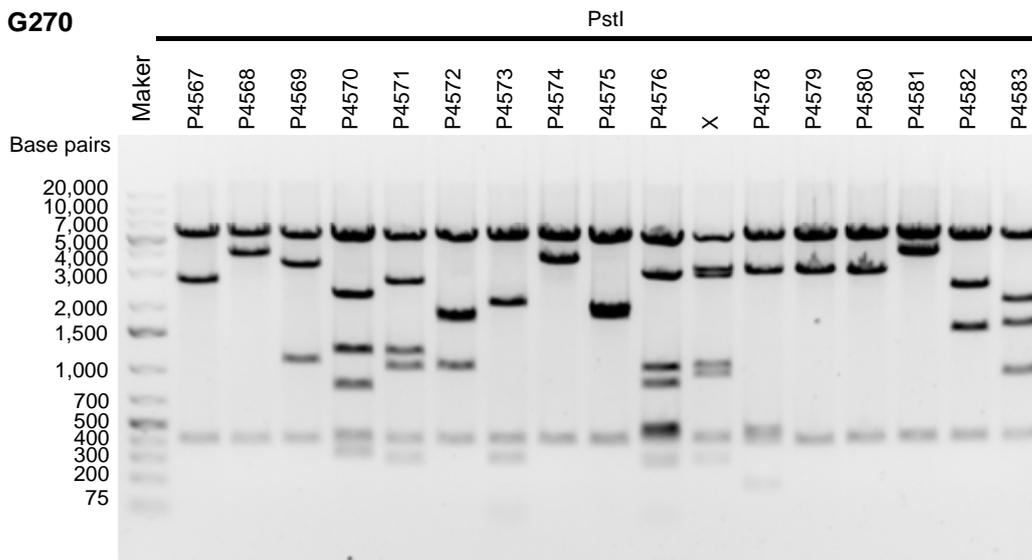
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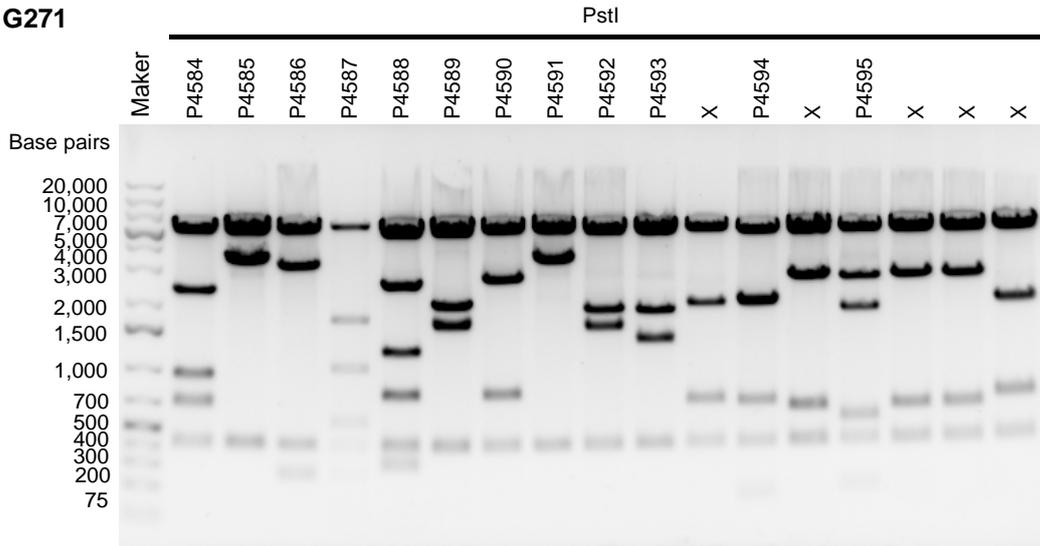
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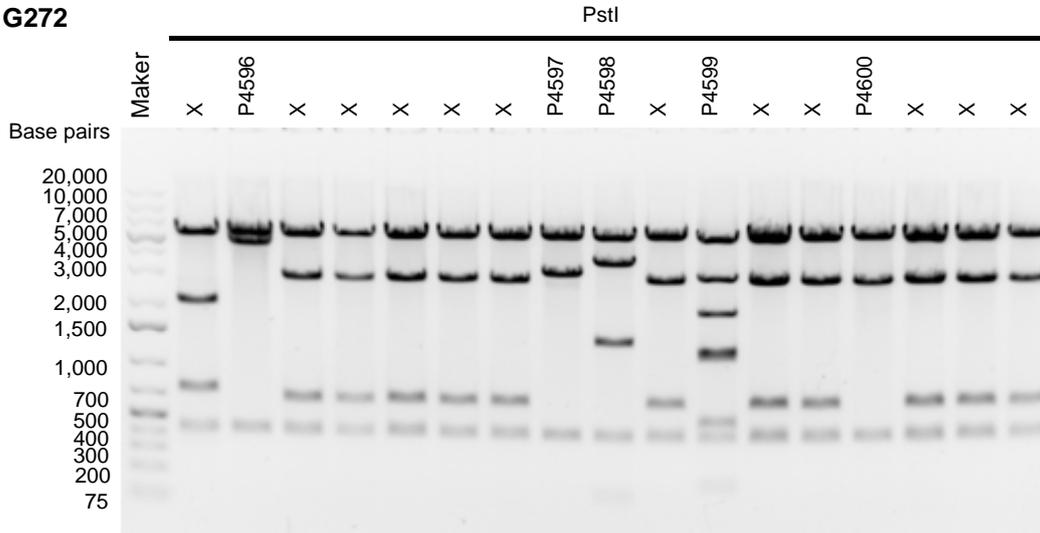
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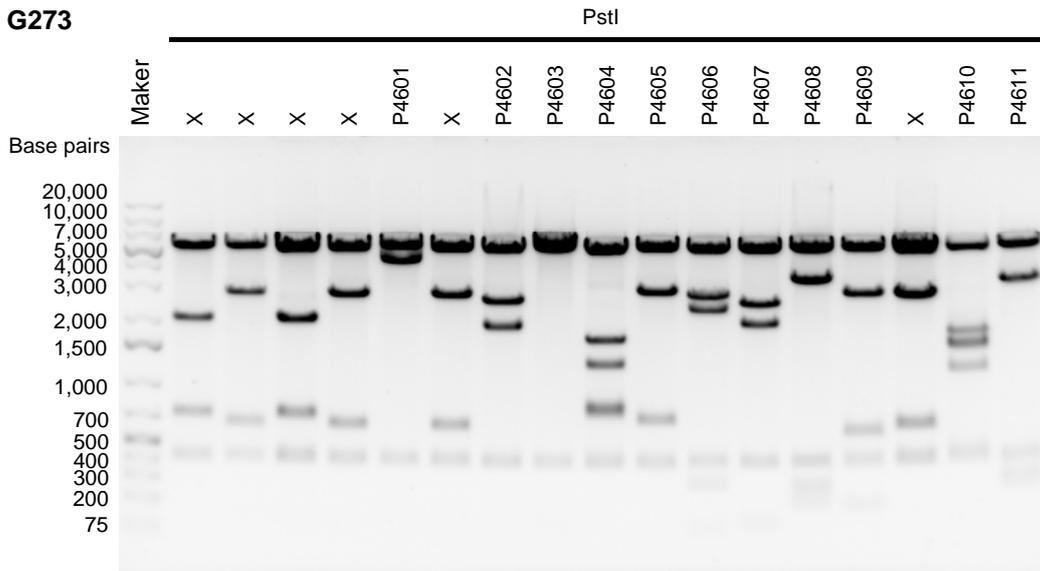
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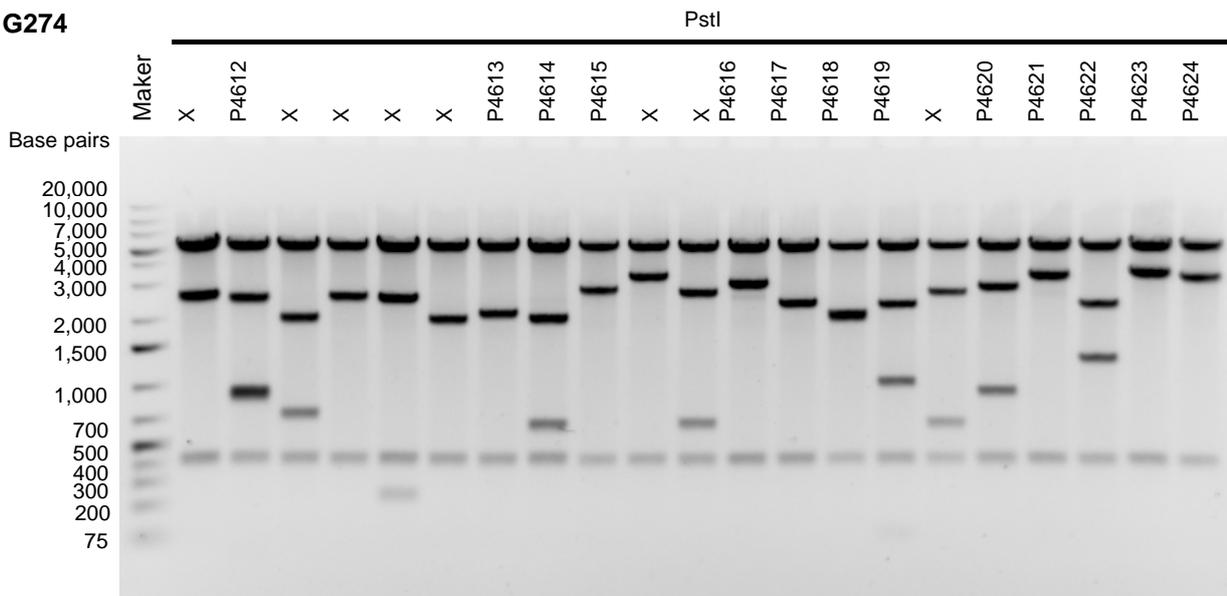
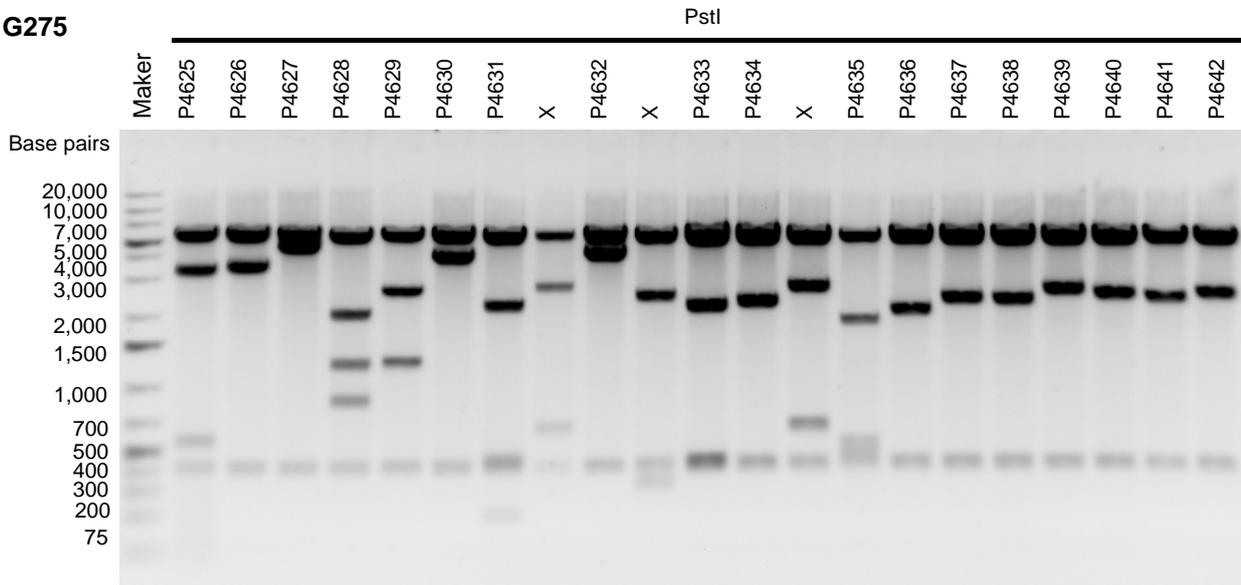
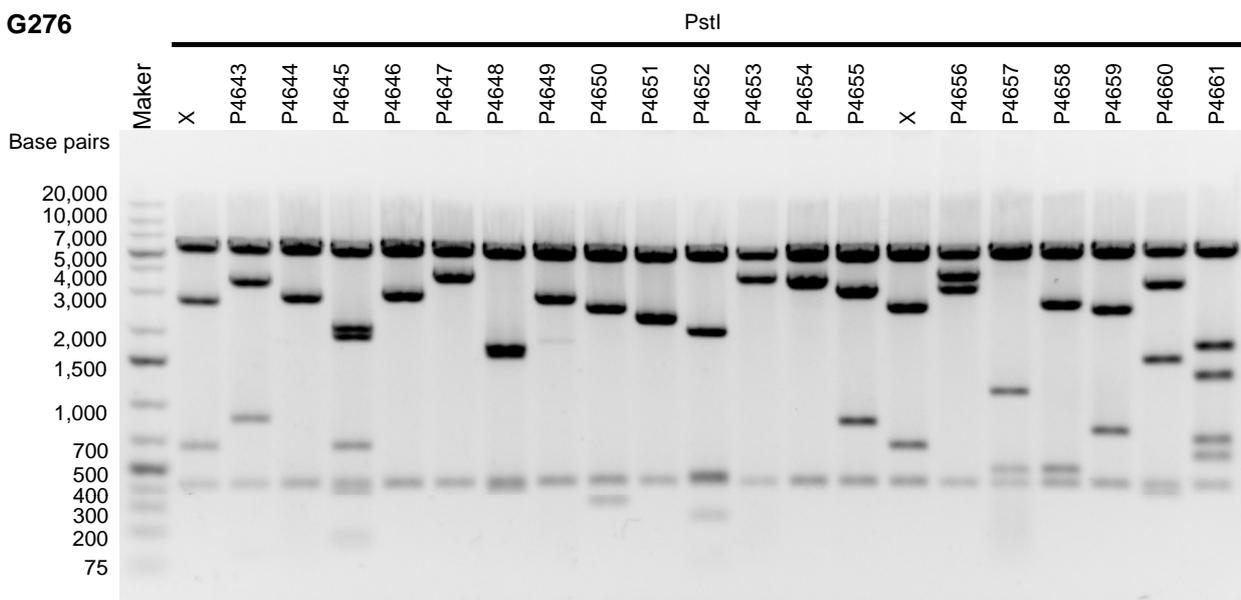


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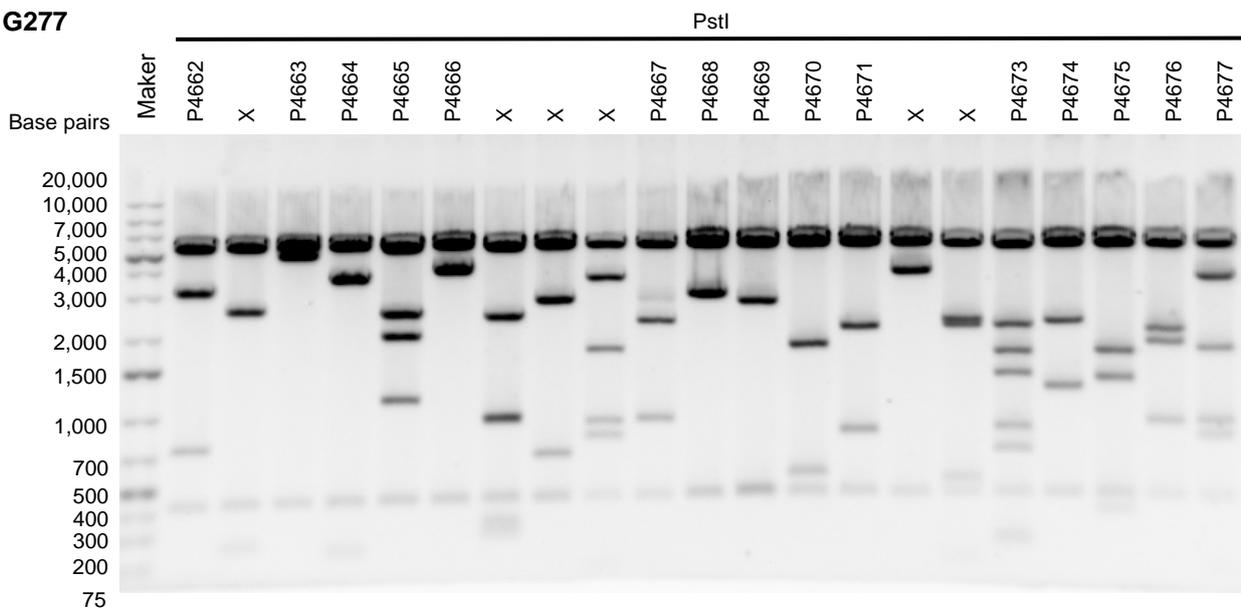


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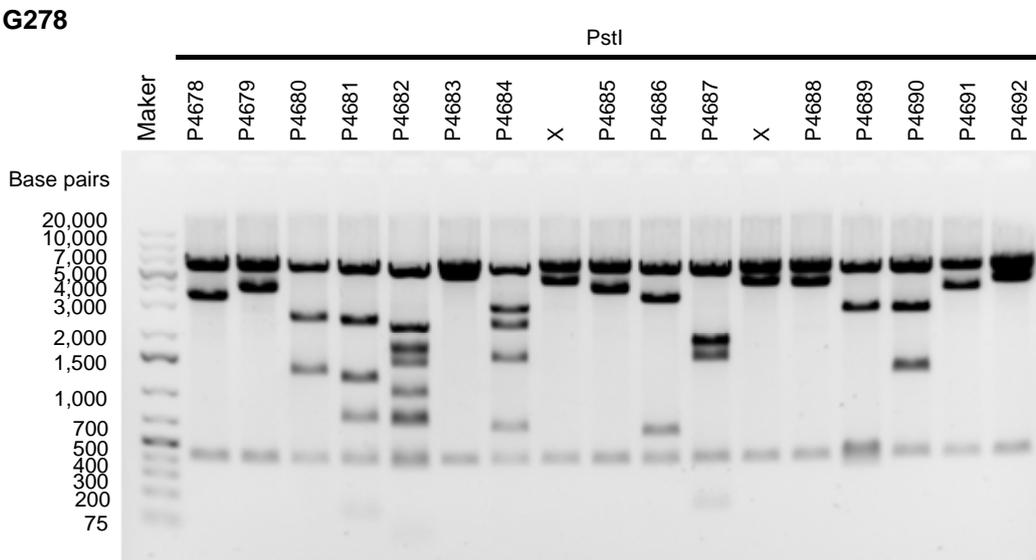


G274**G275****G276**

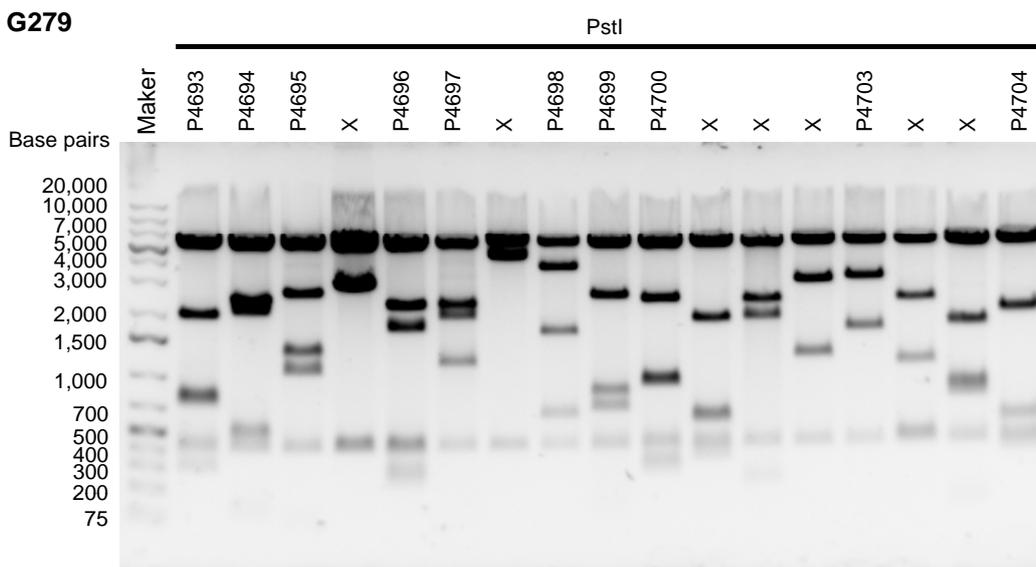
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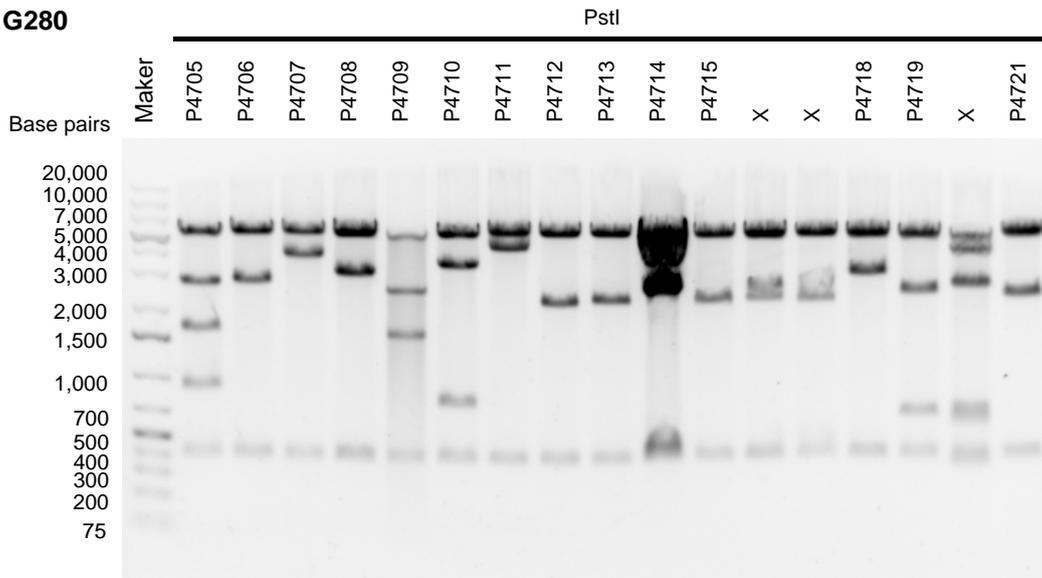
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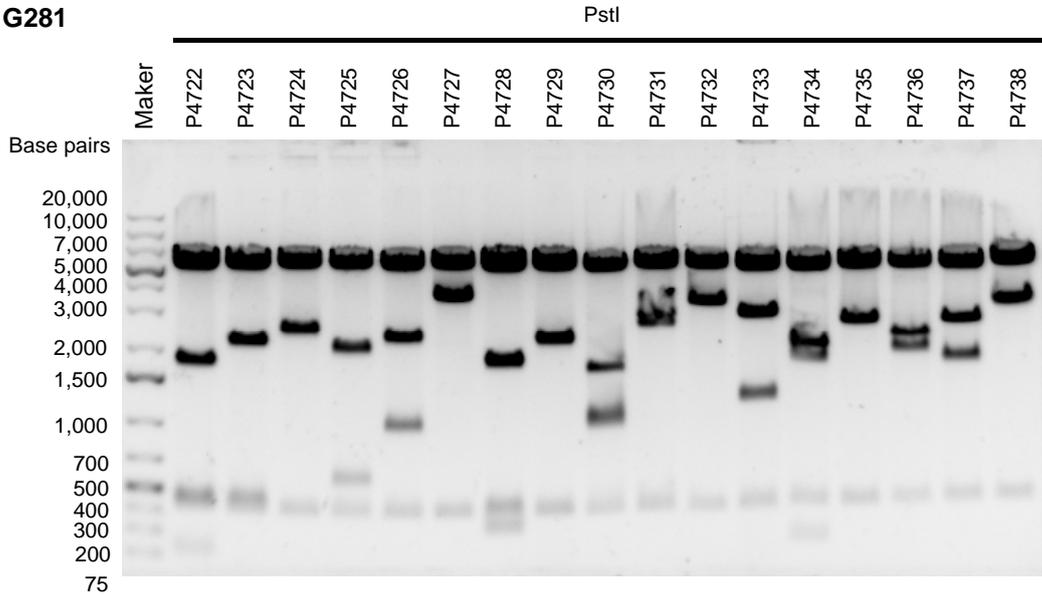
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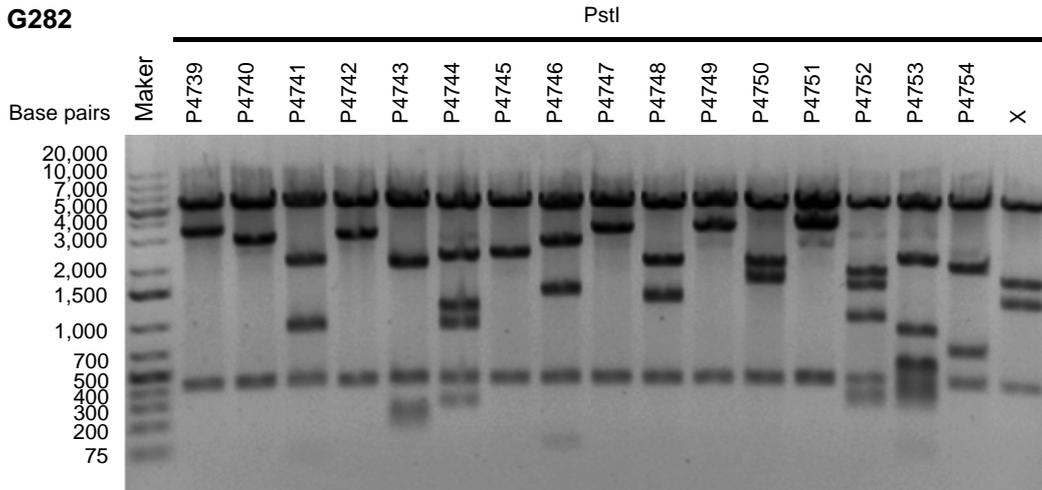
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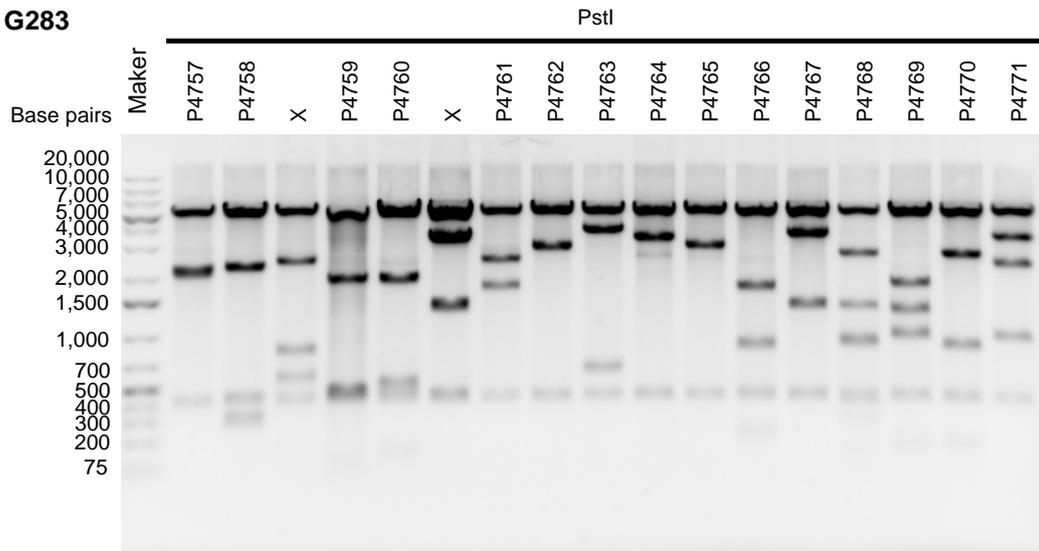
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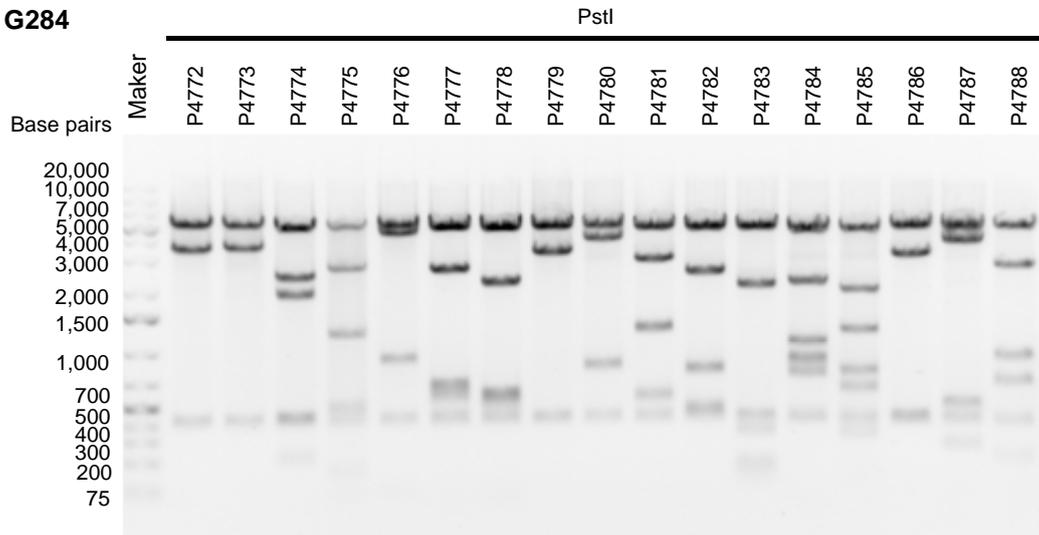
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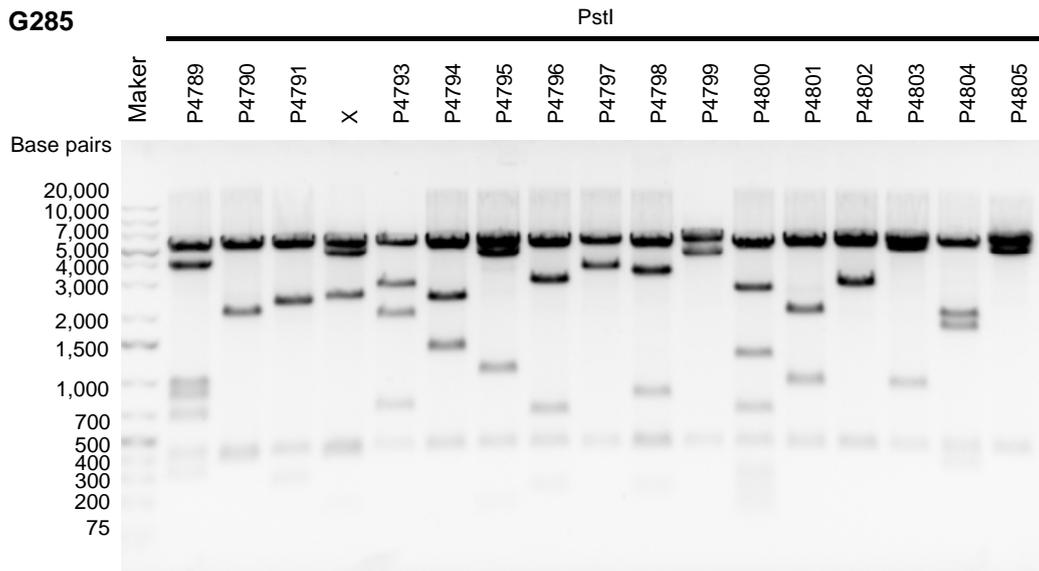
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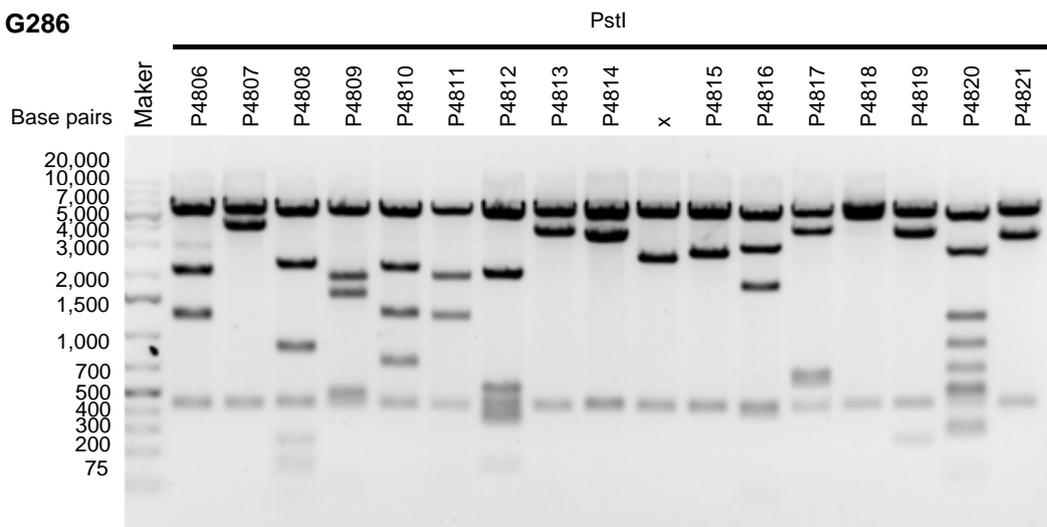
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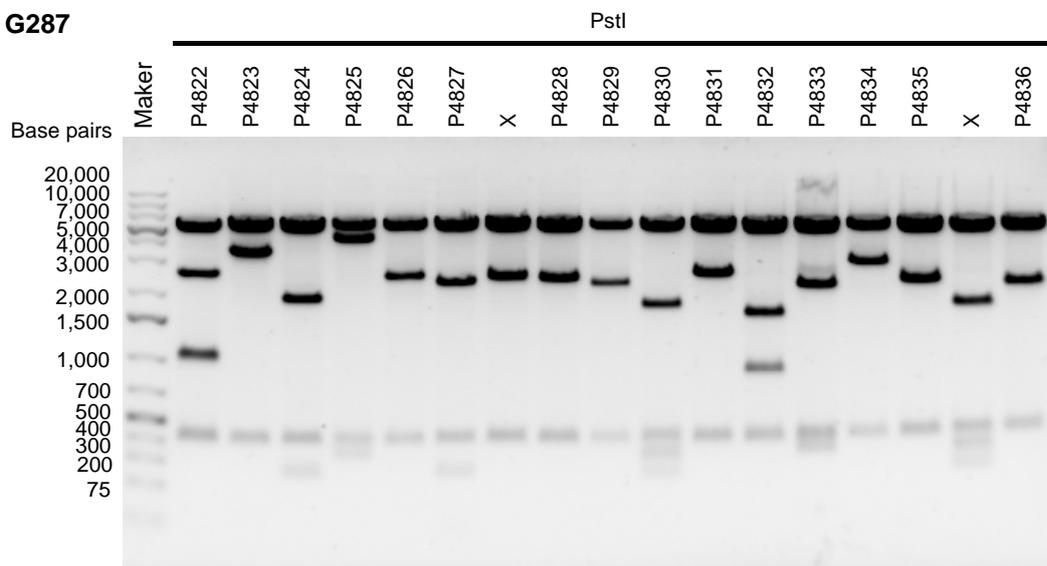
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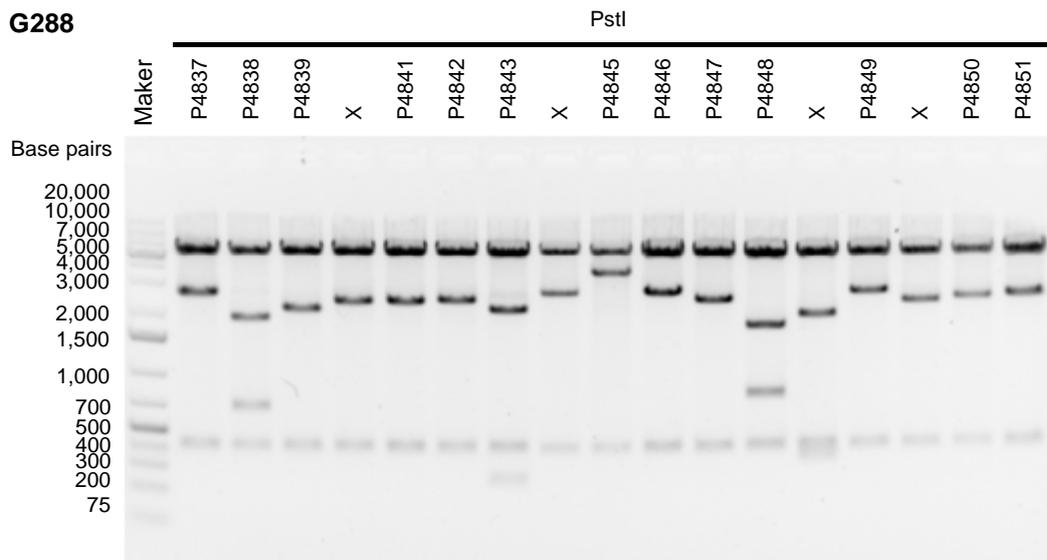
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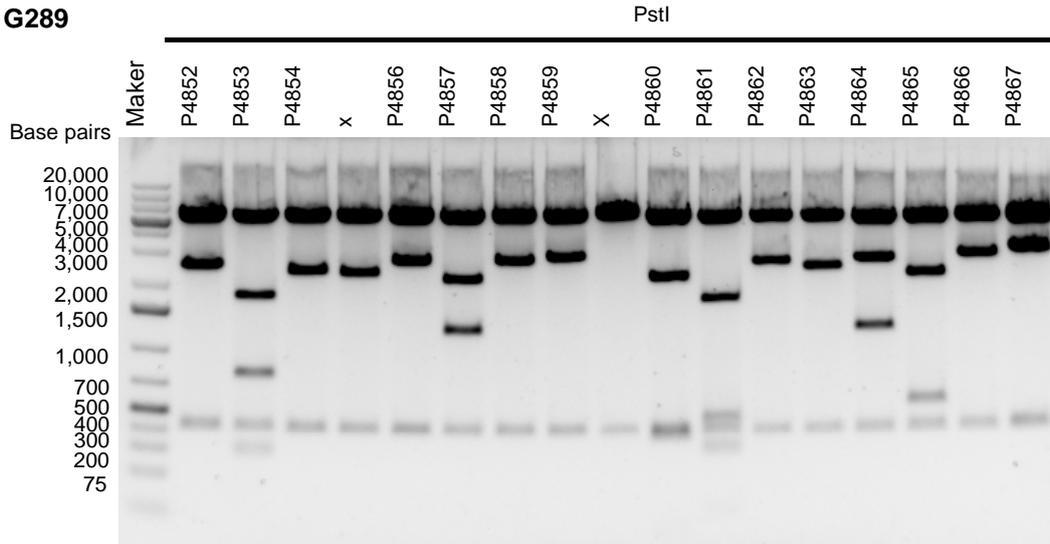
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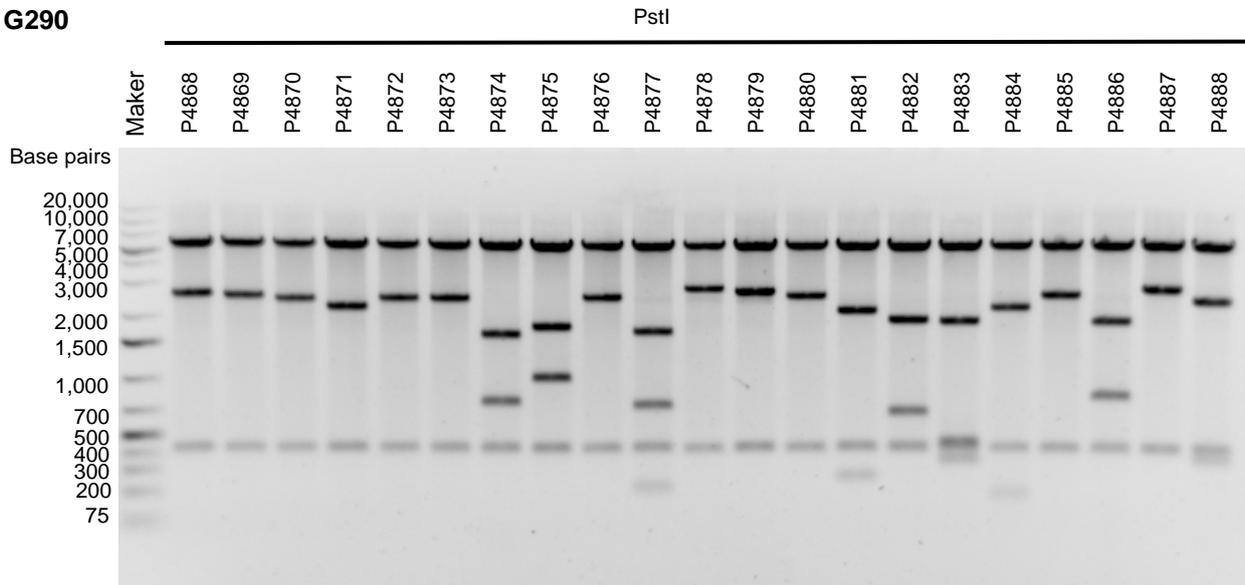
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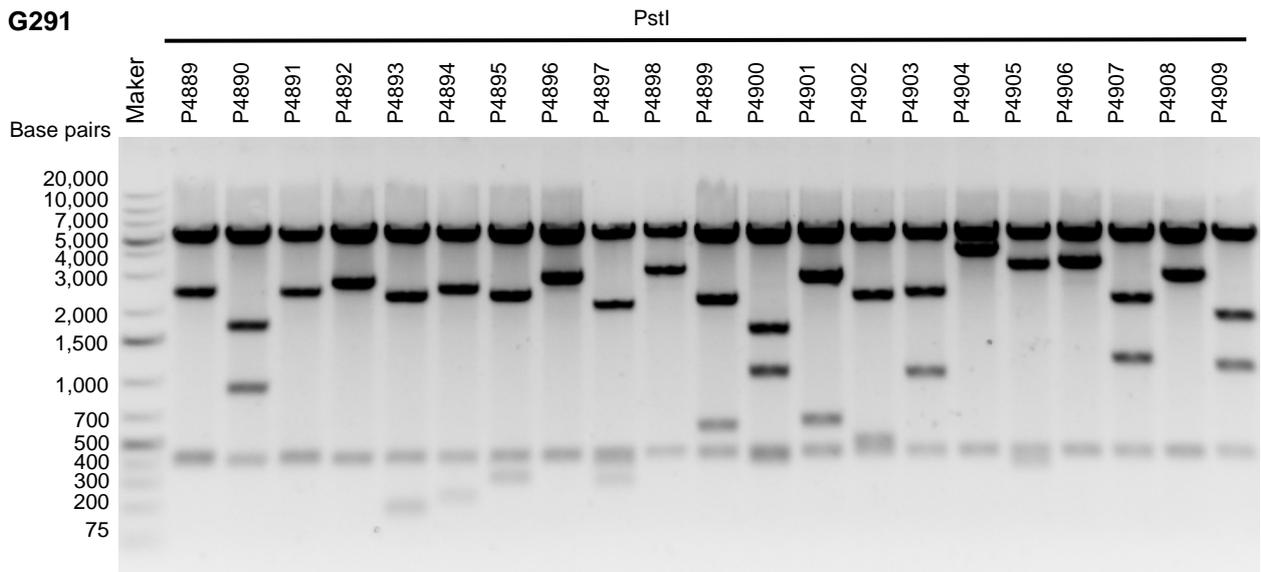
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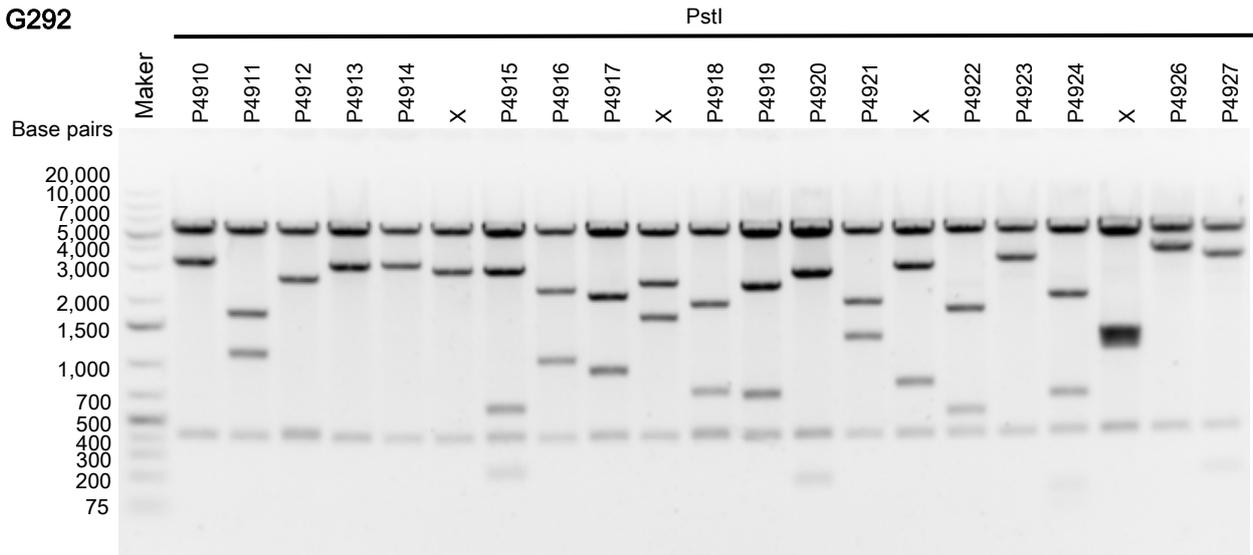
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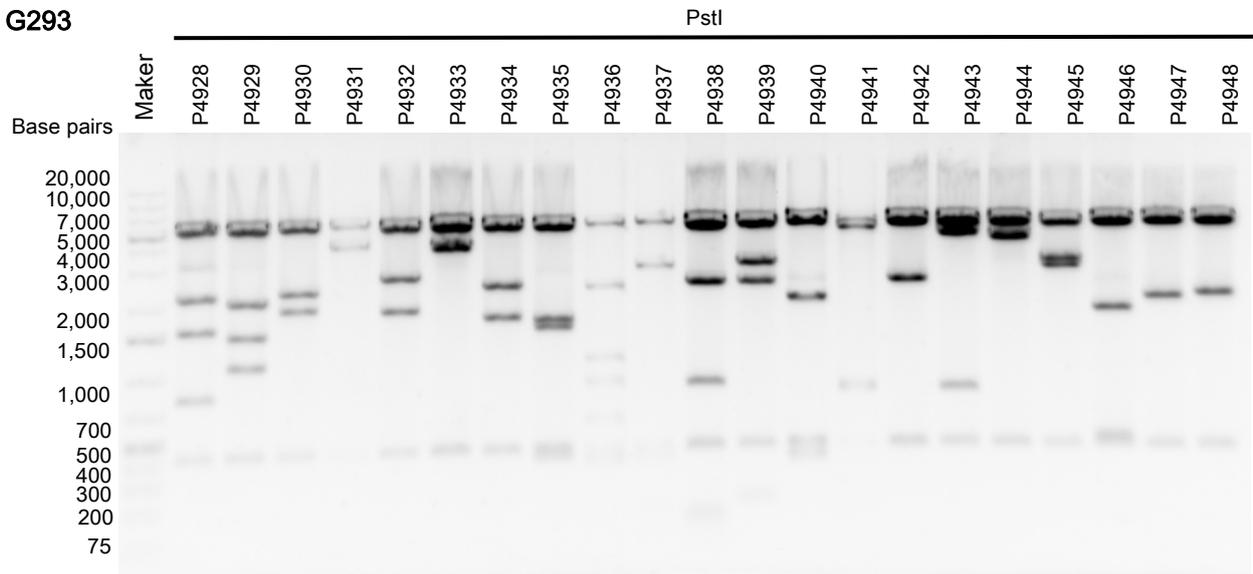
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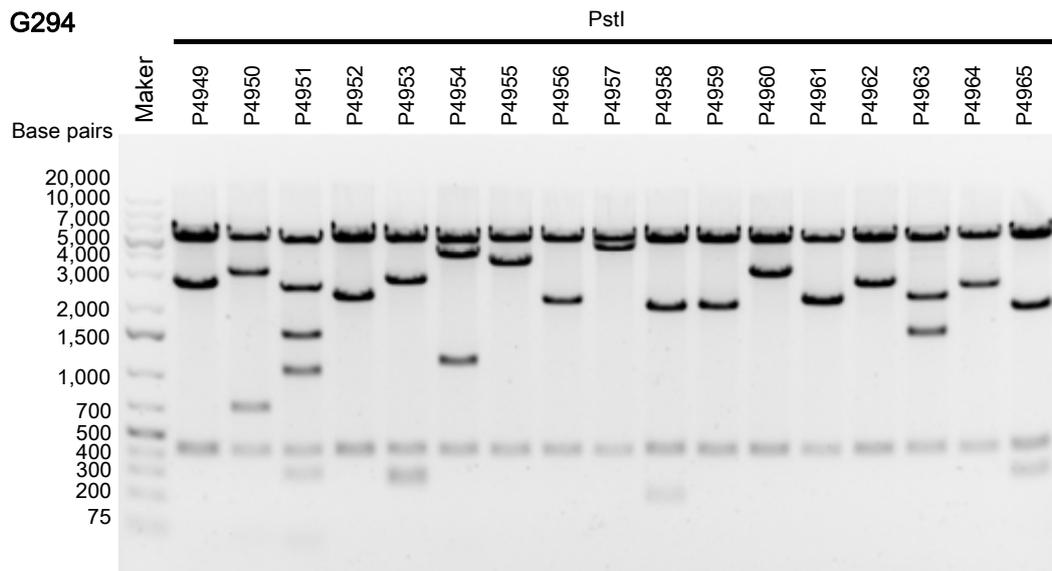
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G293

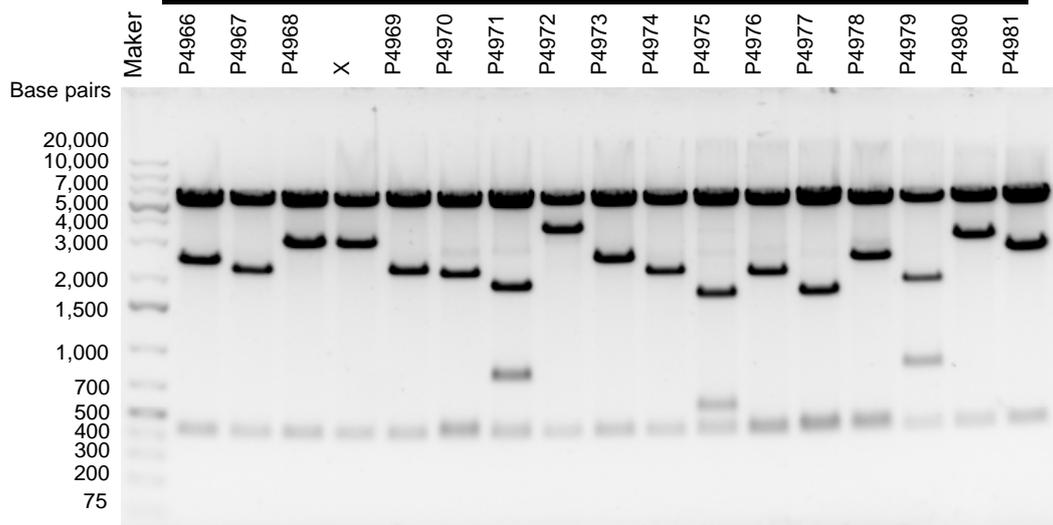


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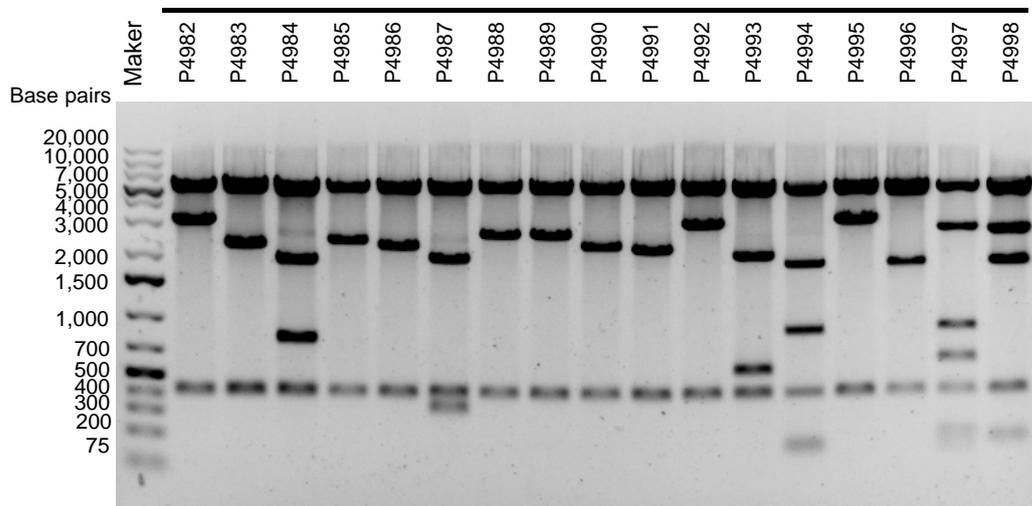


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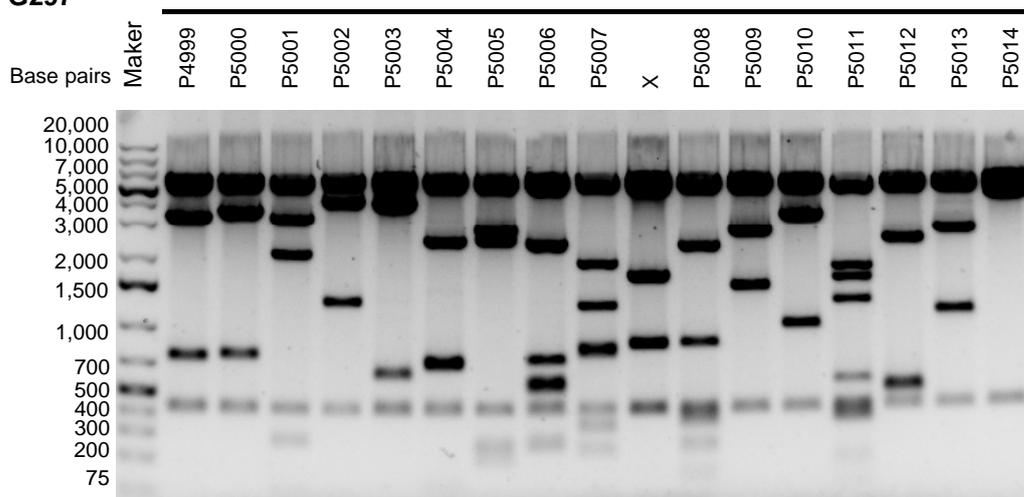
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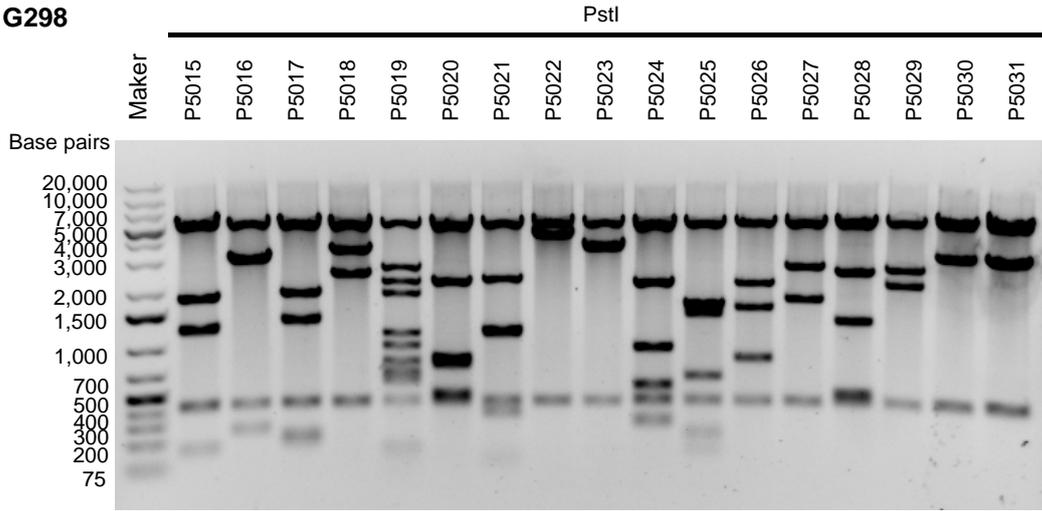
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**G297**

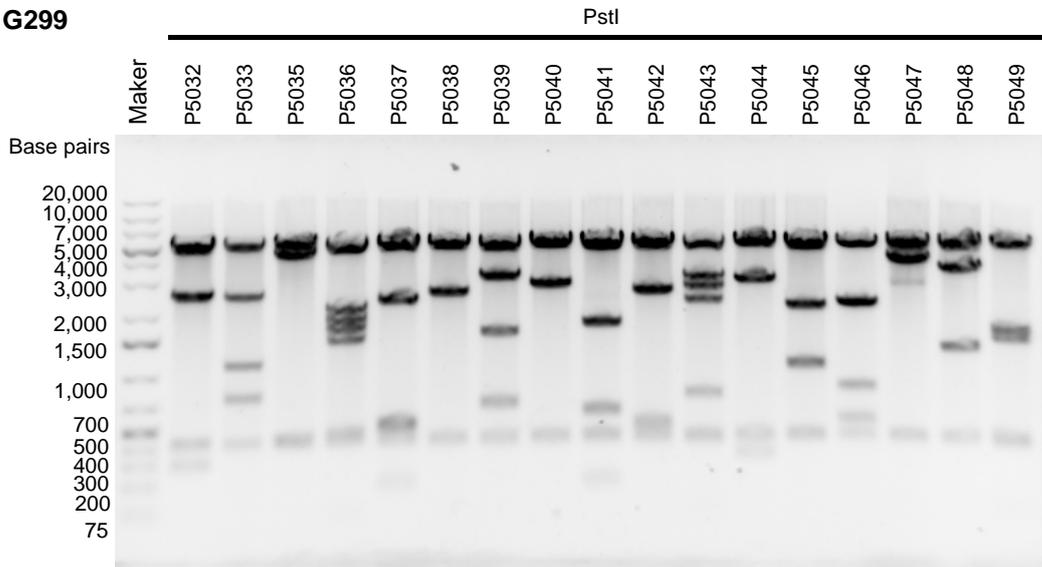
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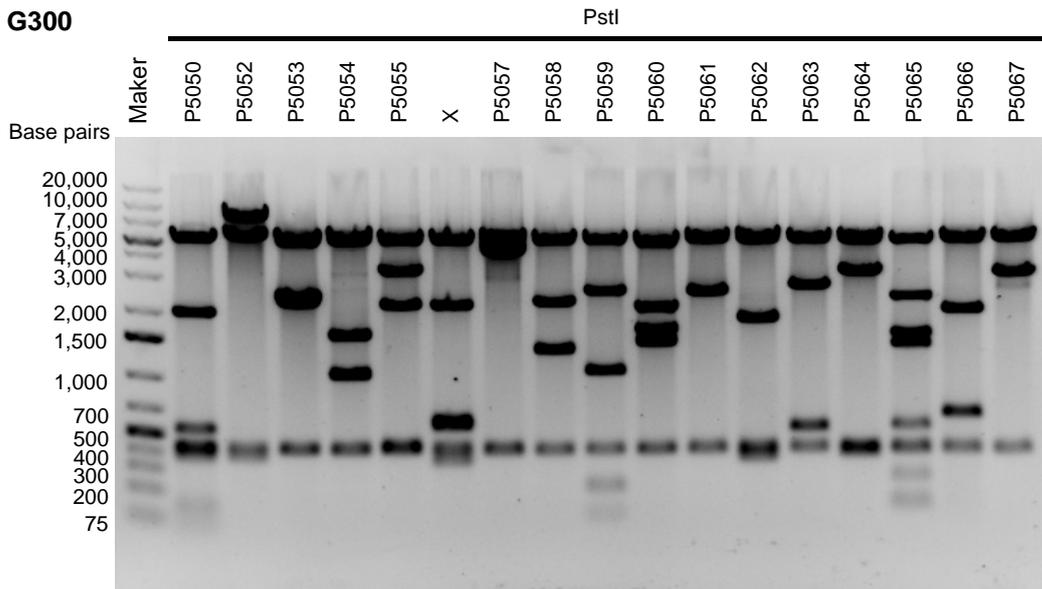
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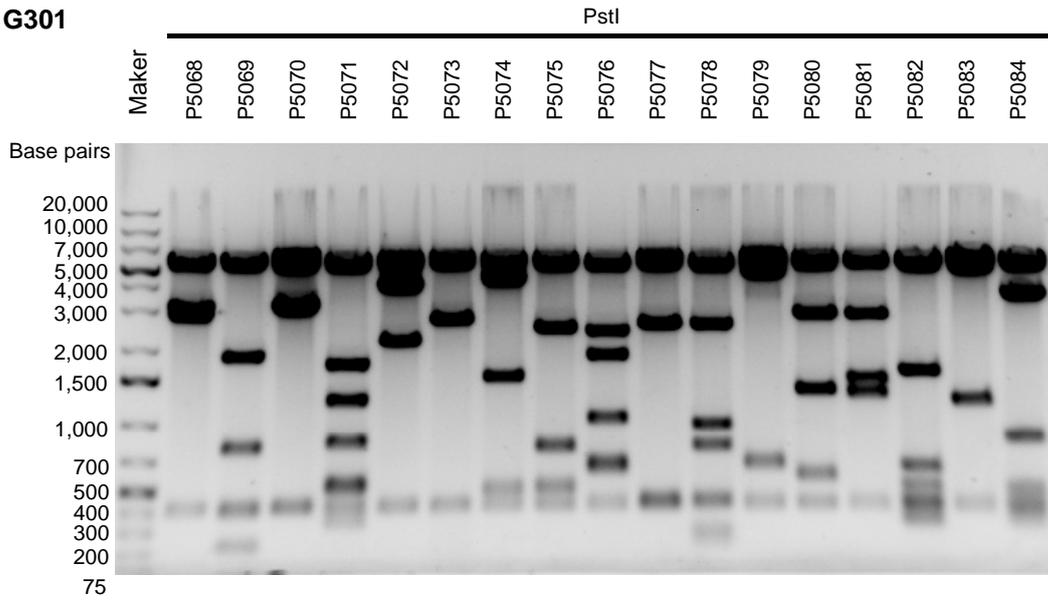
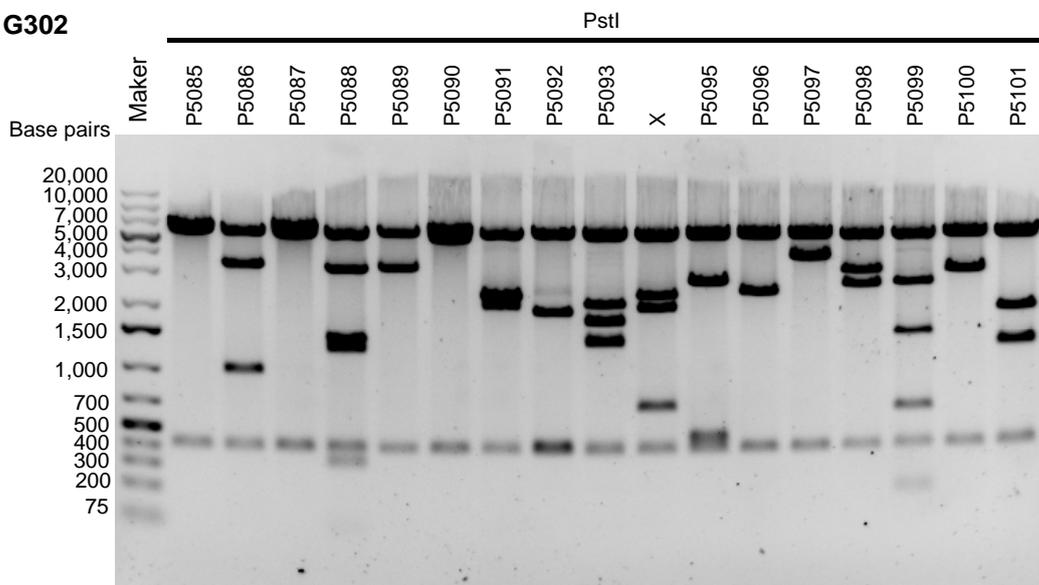
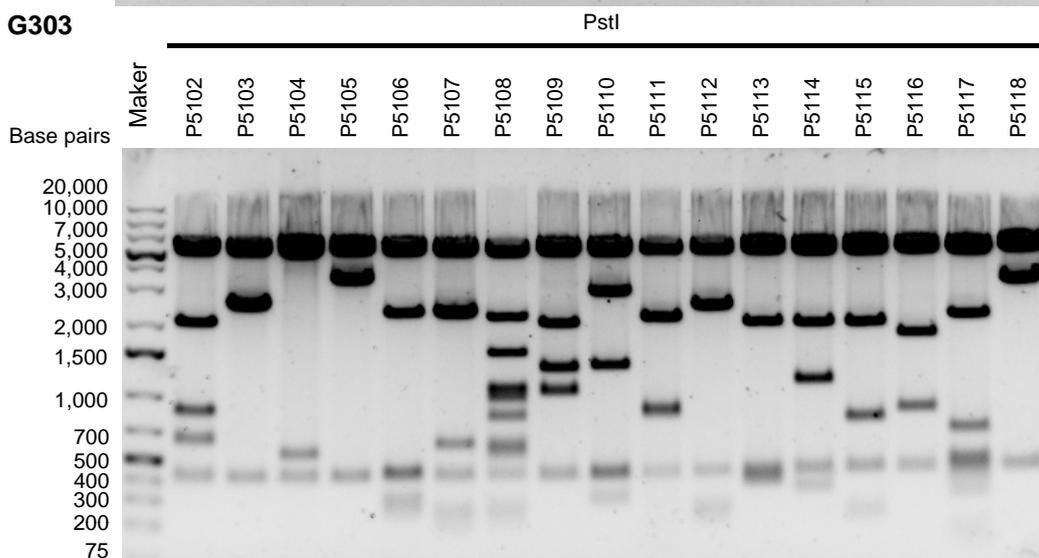


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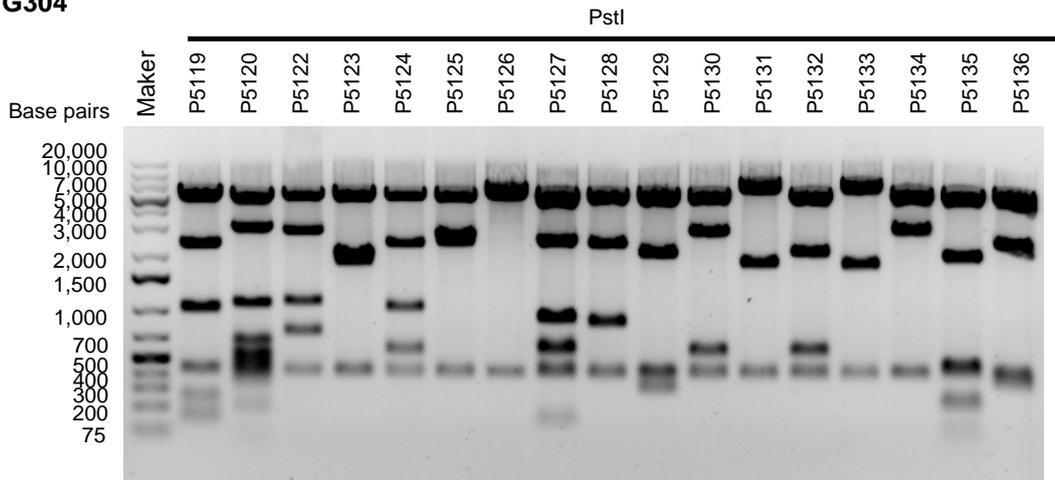


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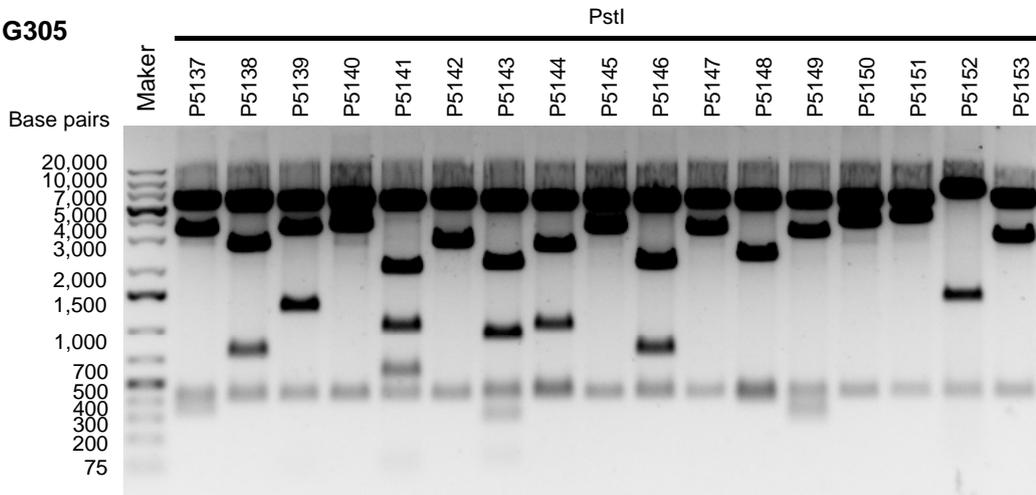


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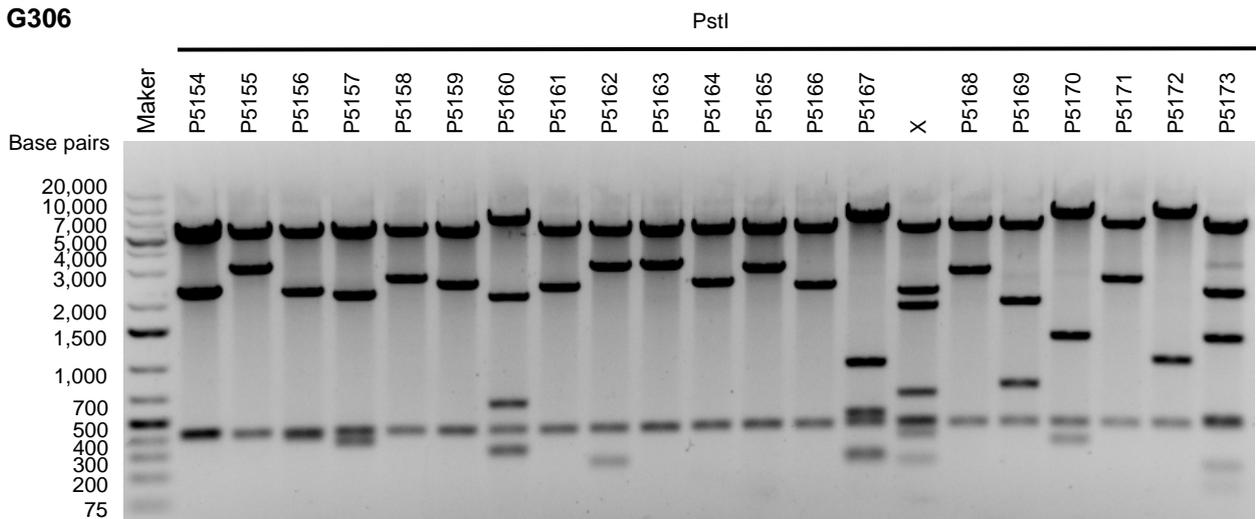
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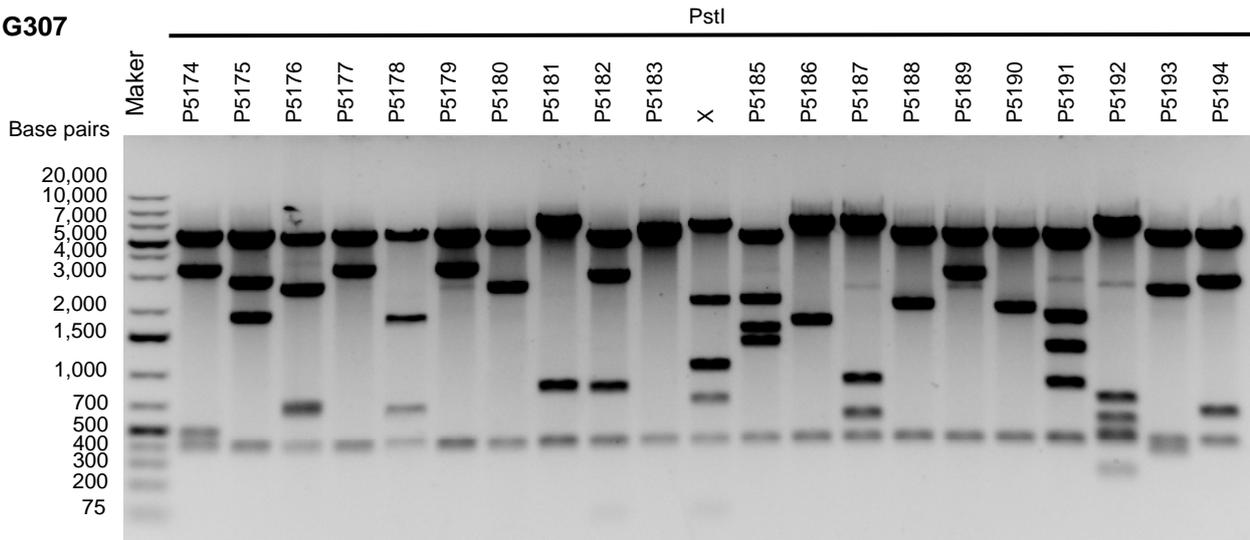
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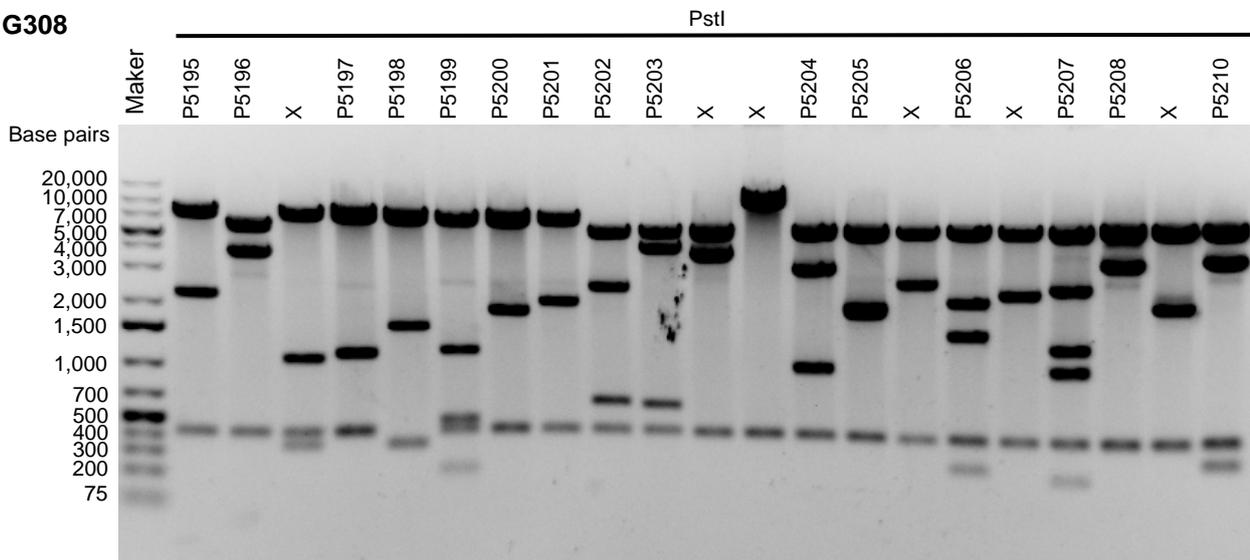
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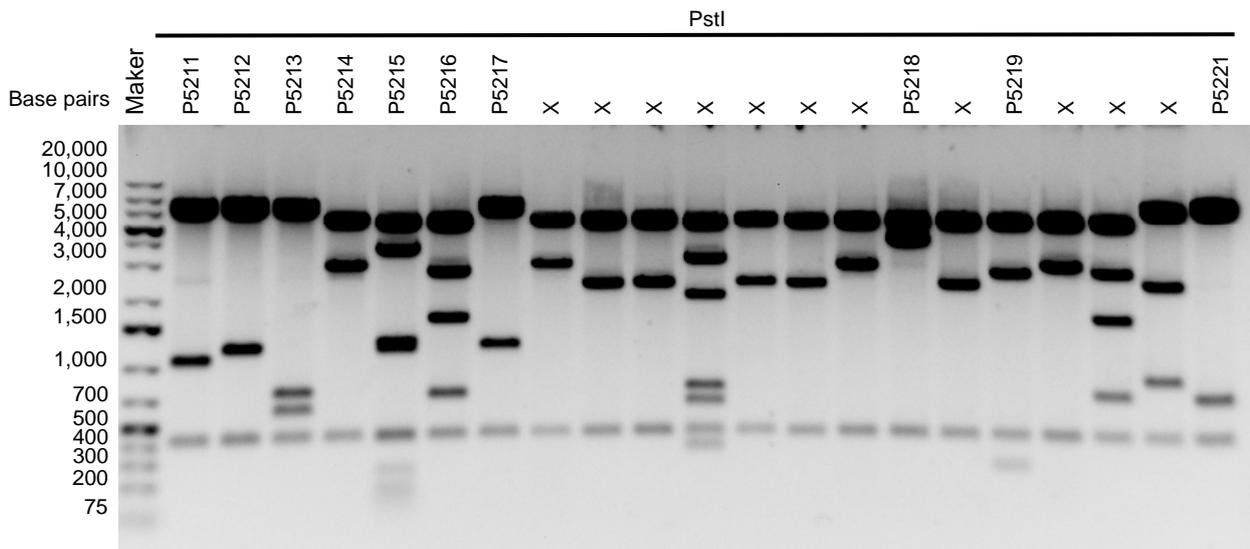
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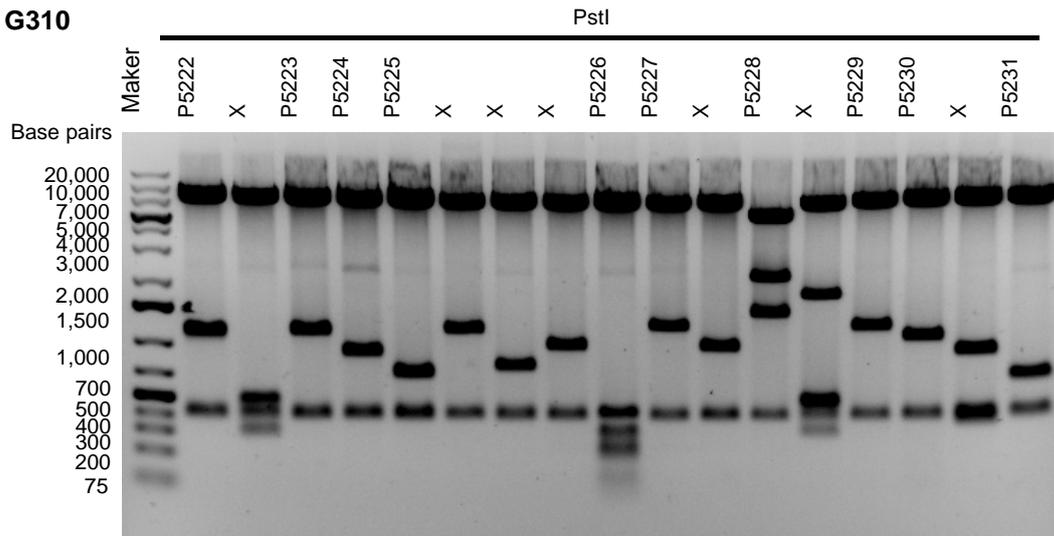
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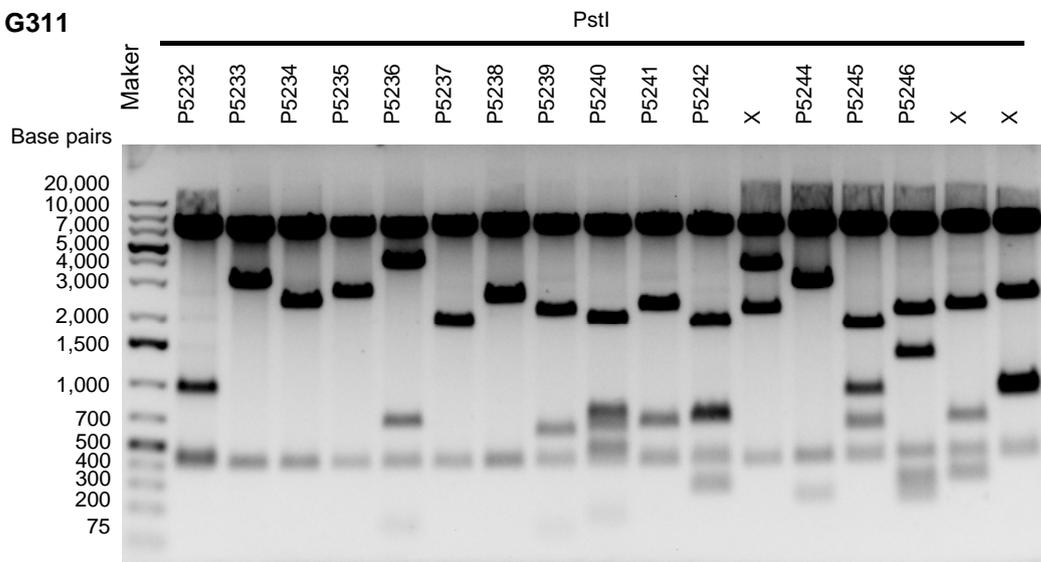
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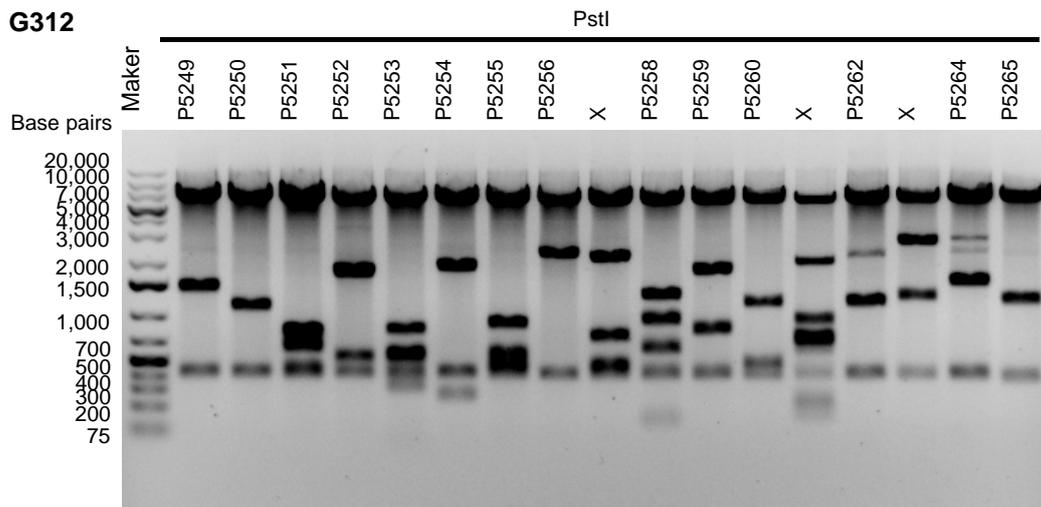
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G311

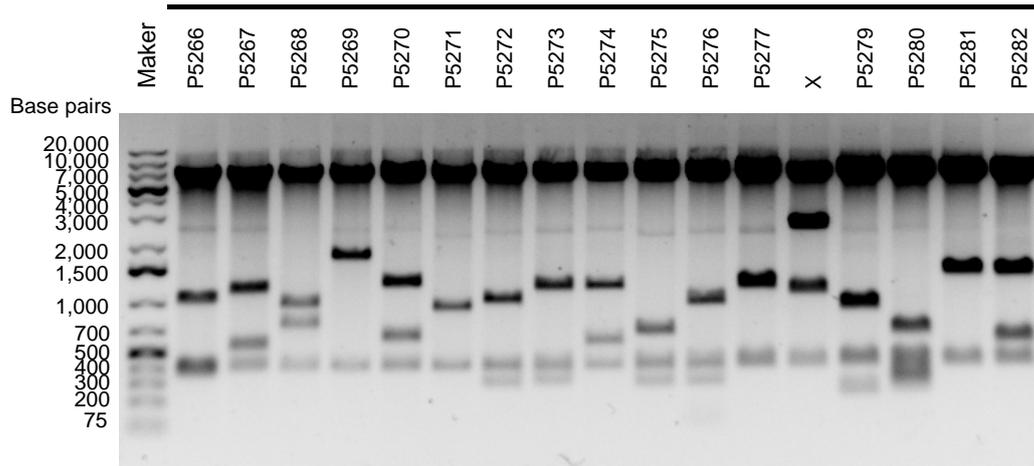


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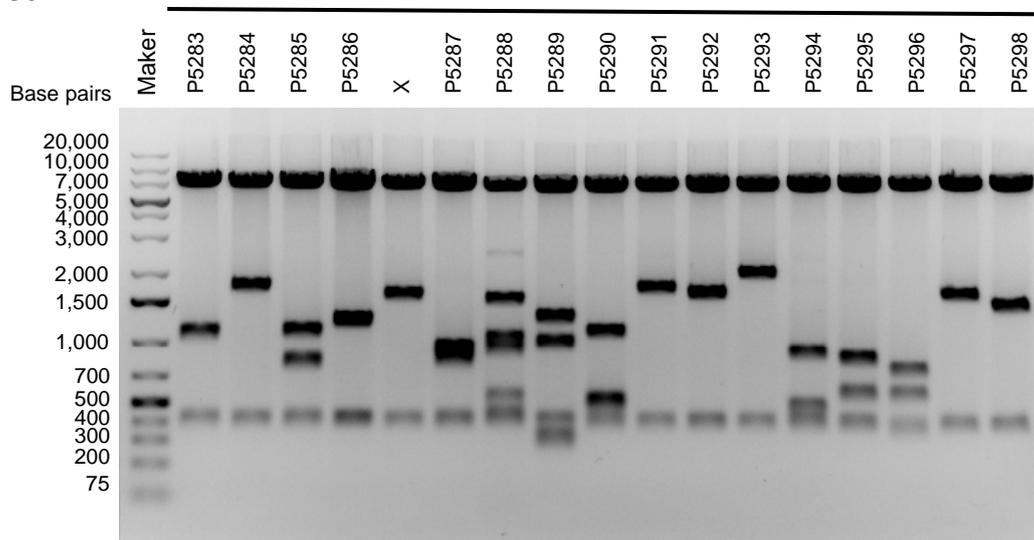


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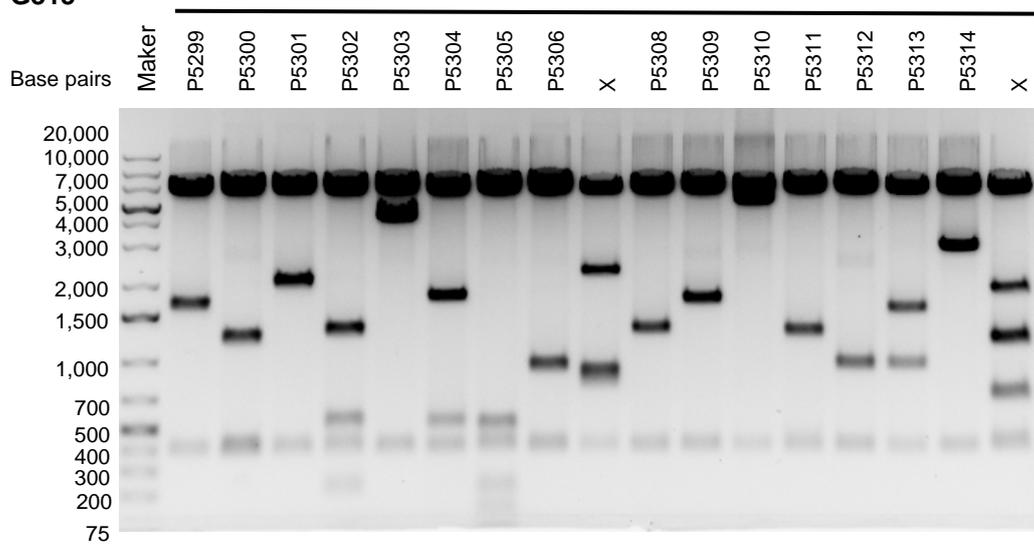
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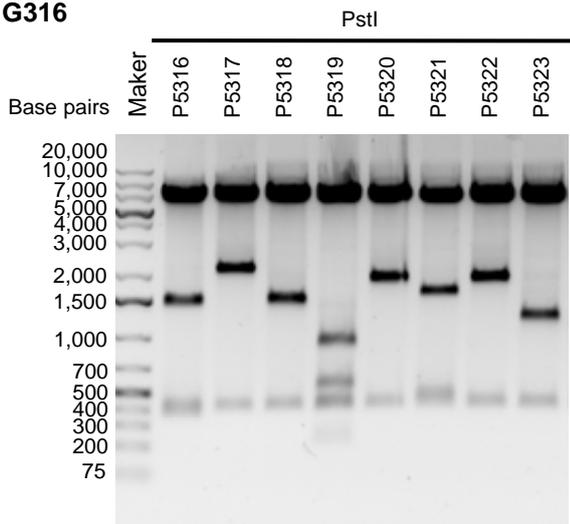
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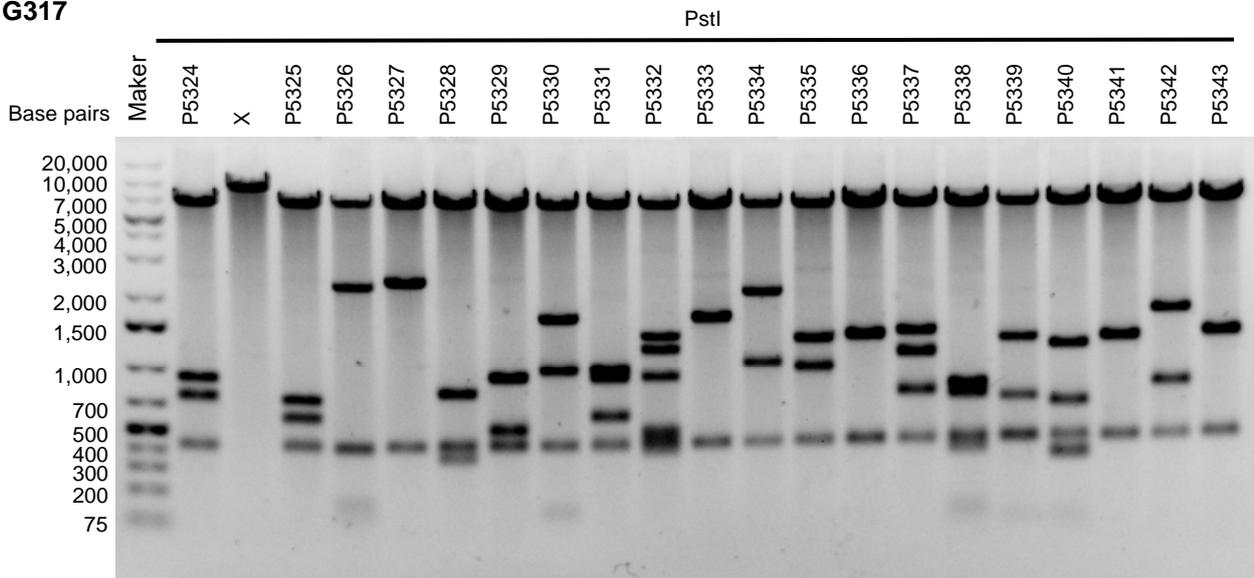
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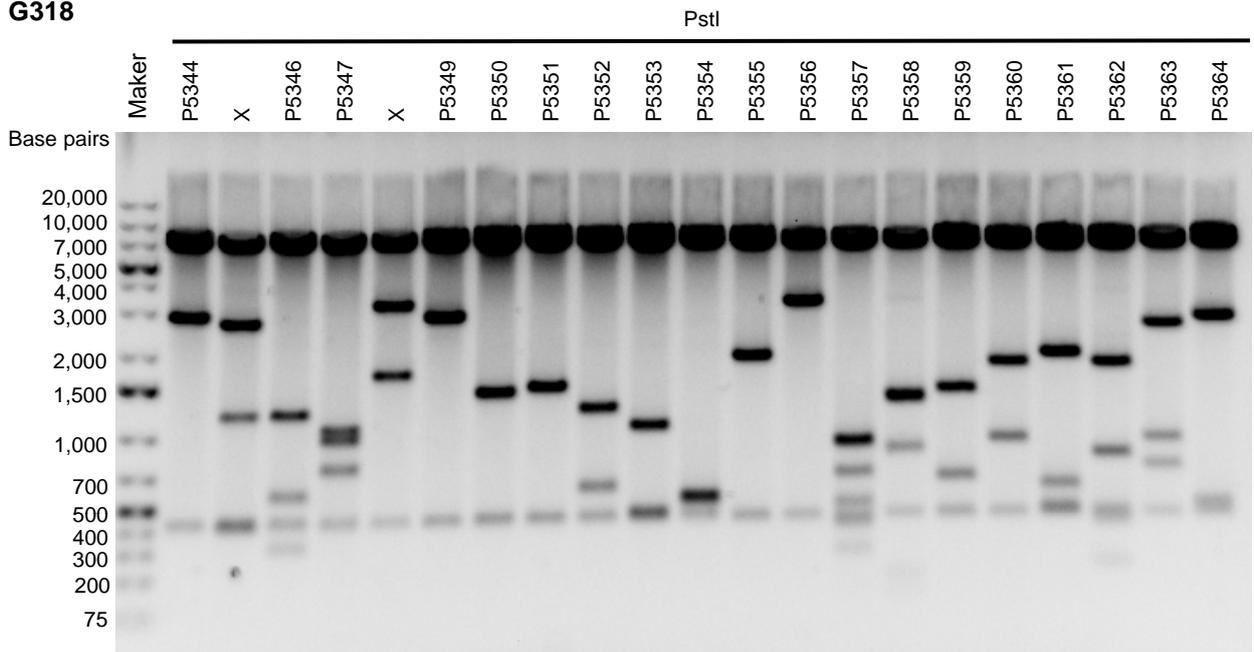
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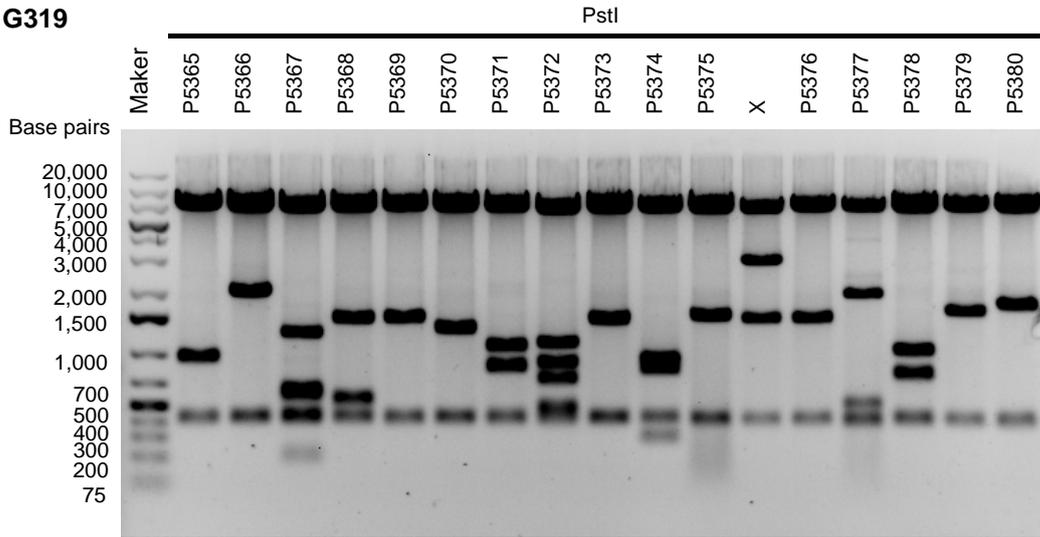
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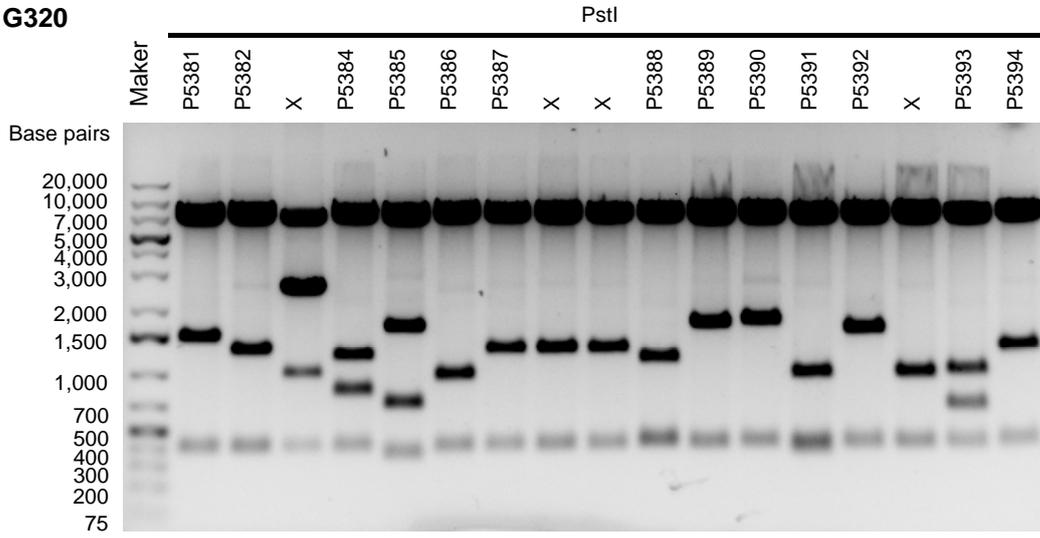
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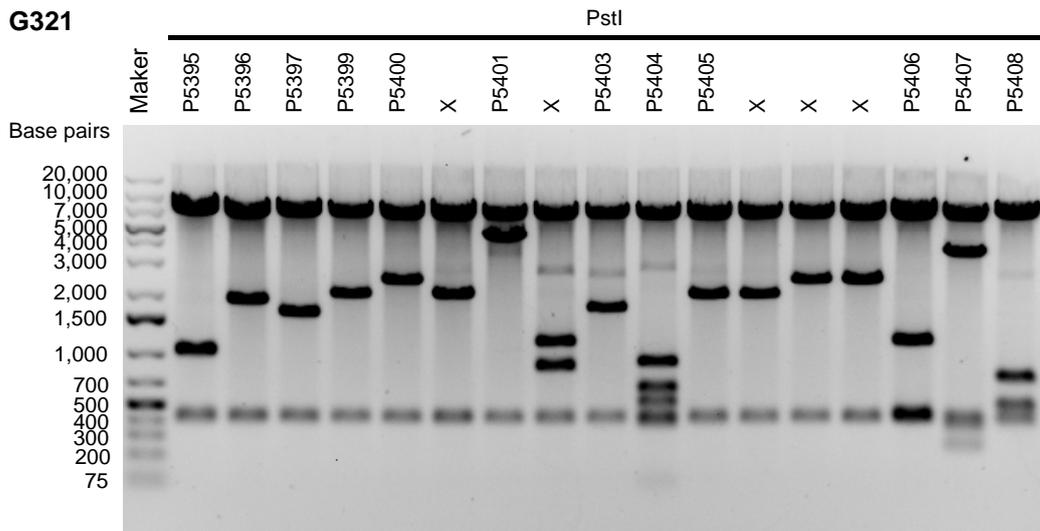
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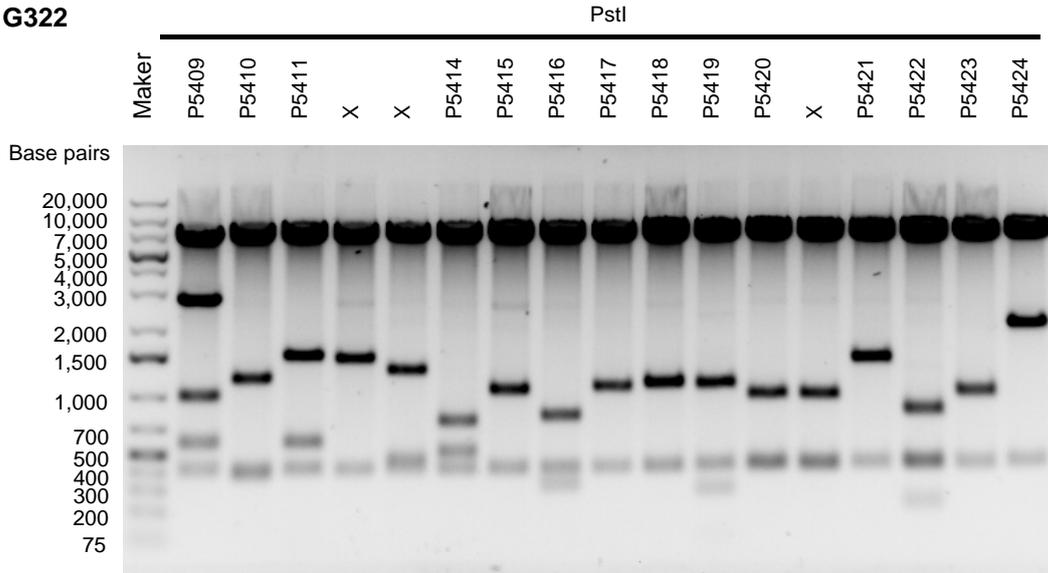
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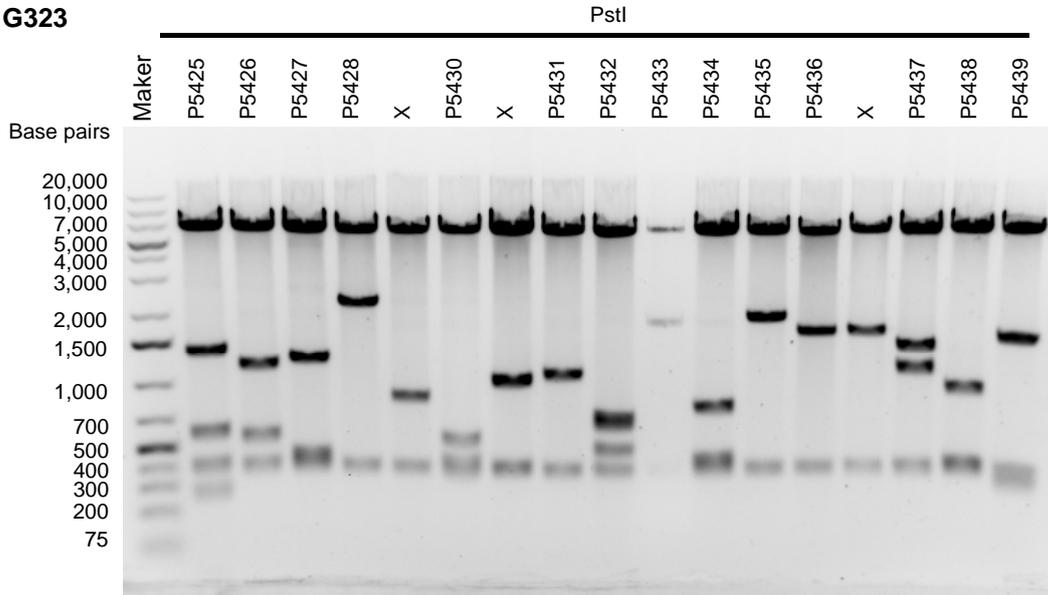
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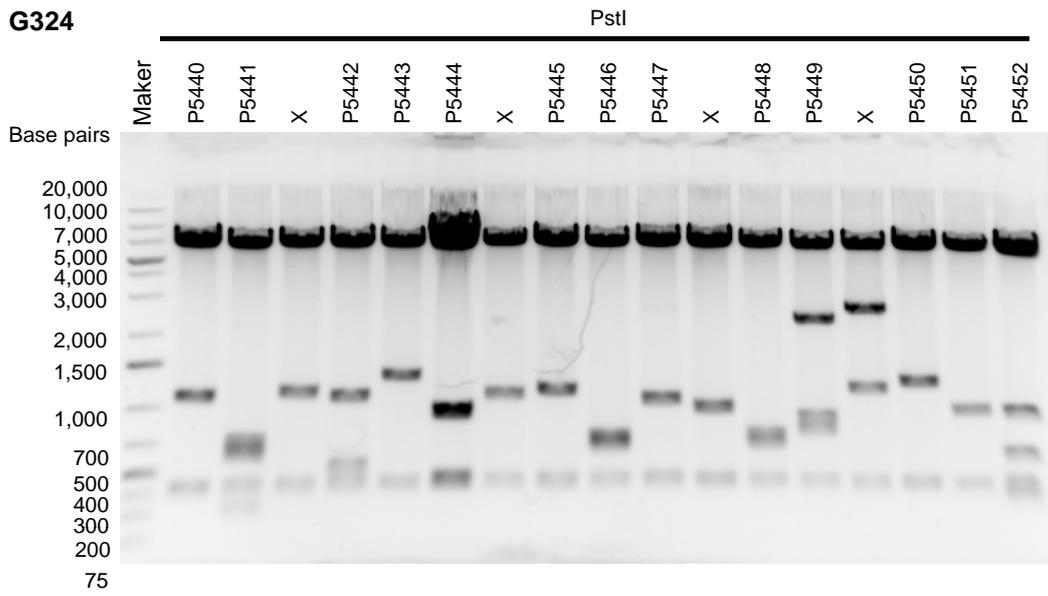
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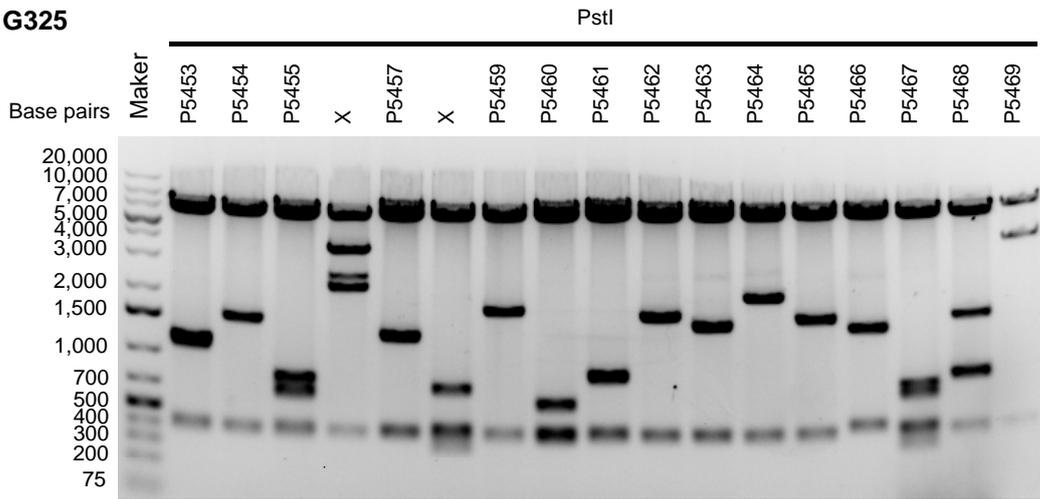
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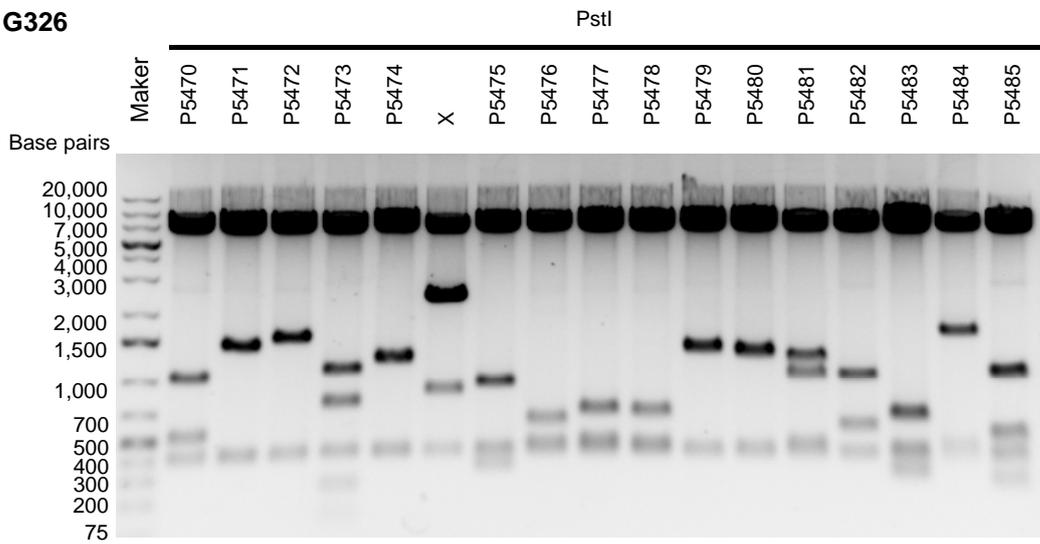
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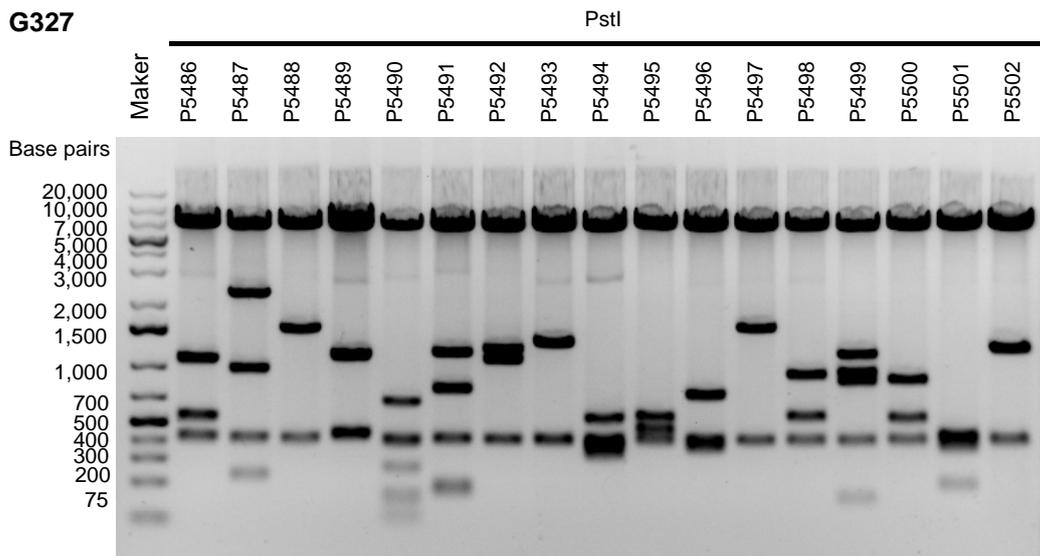
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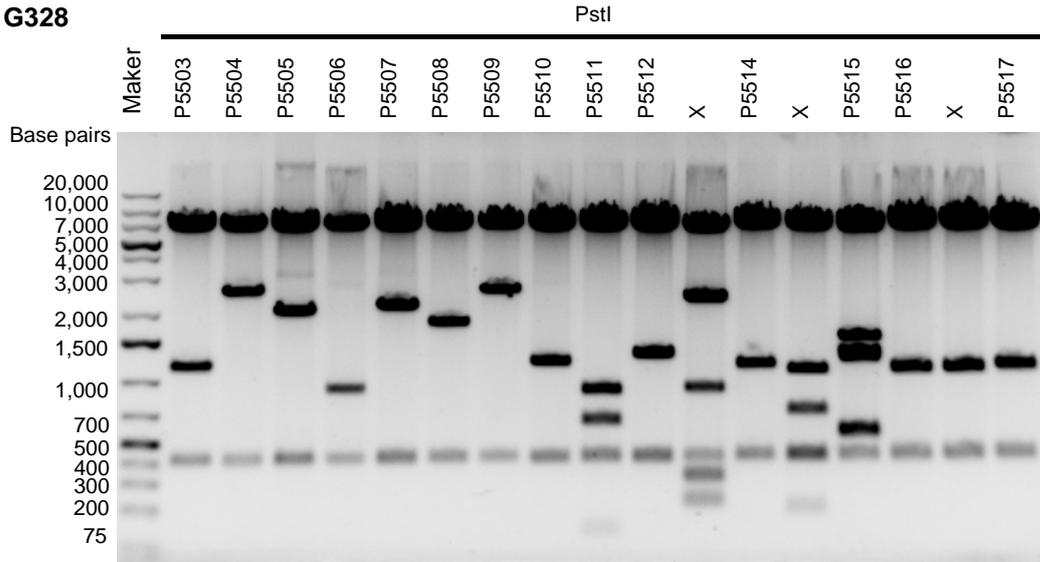
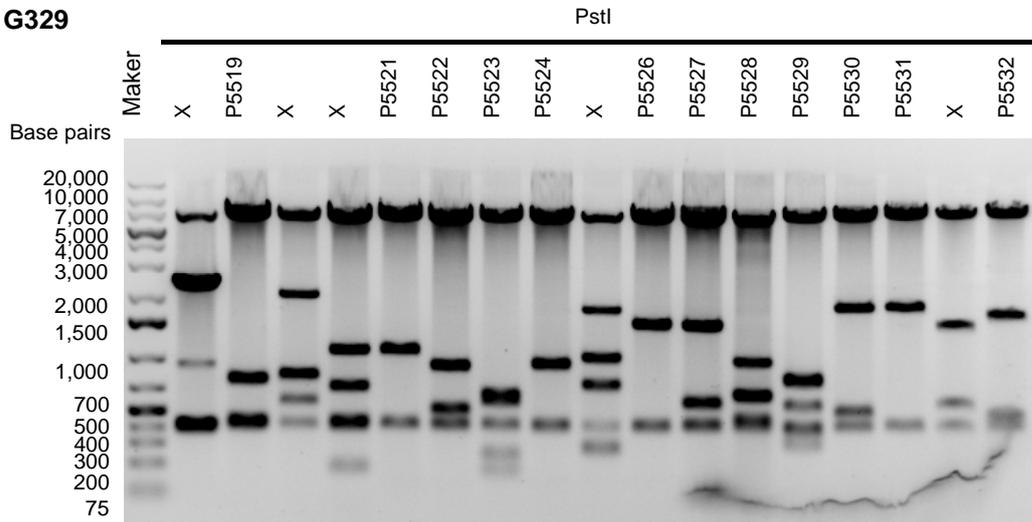
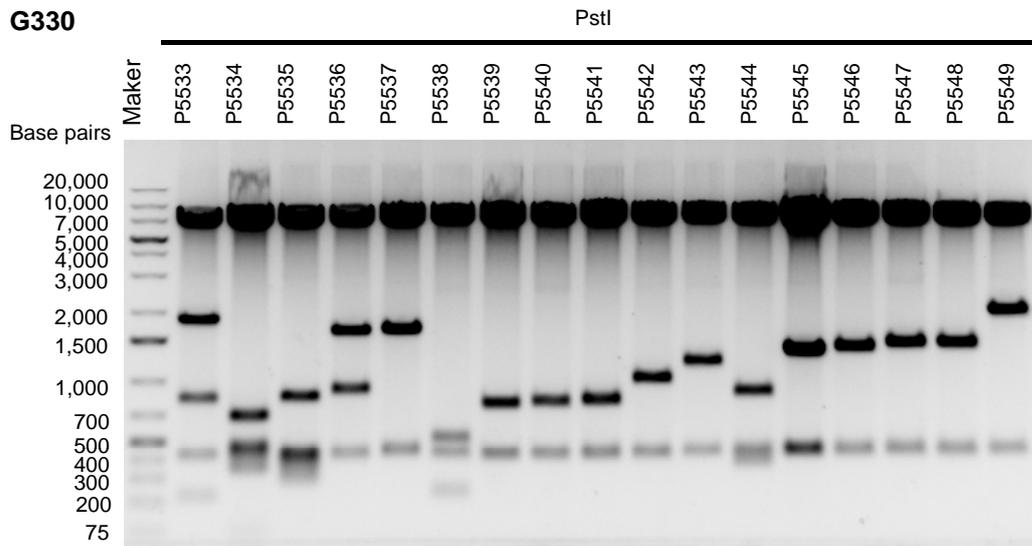


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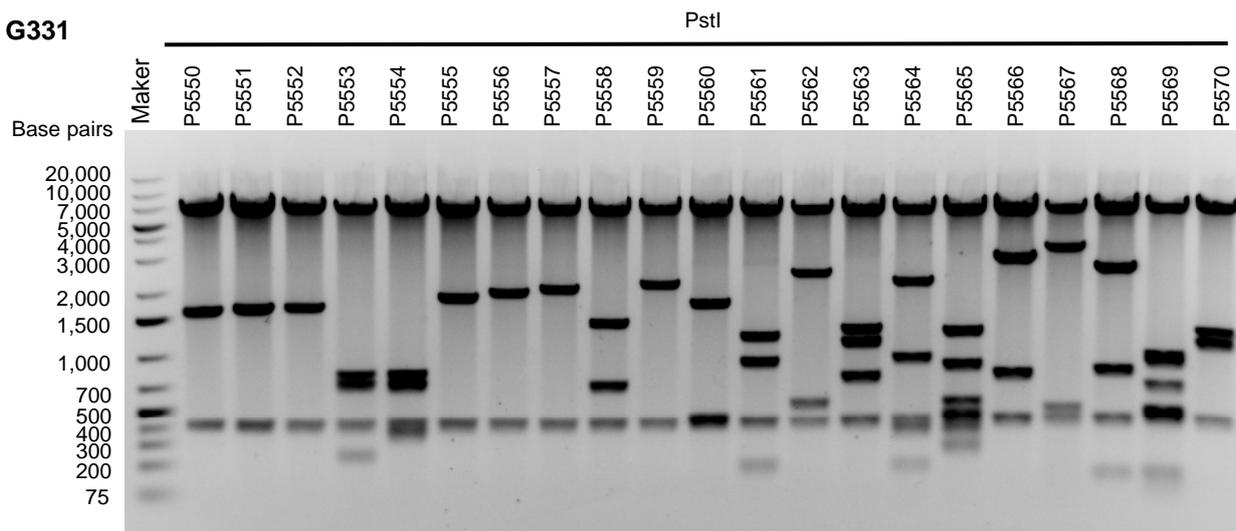


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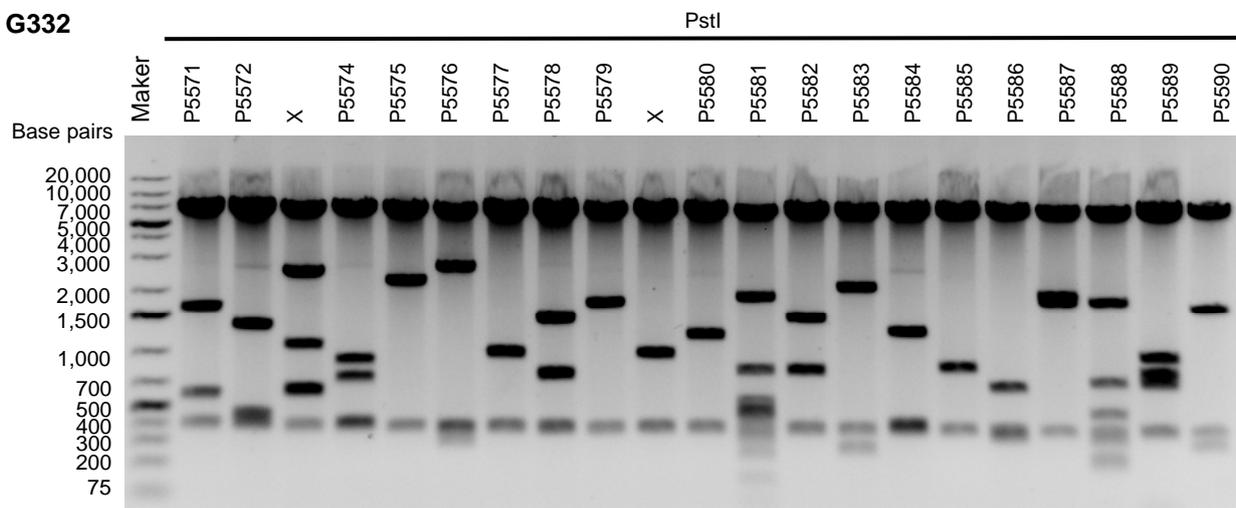


G328**G329****G330**

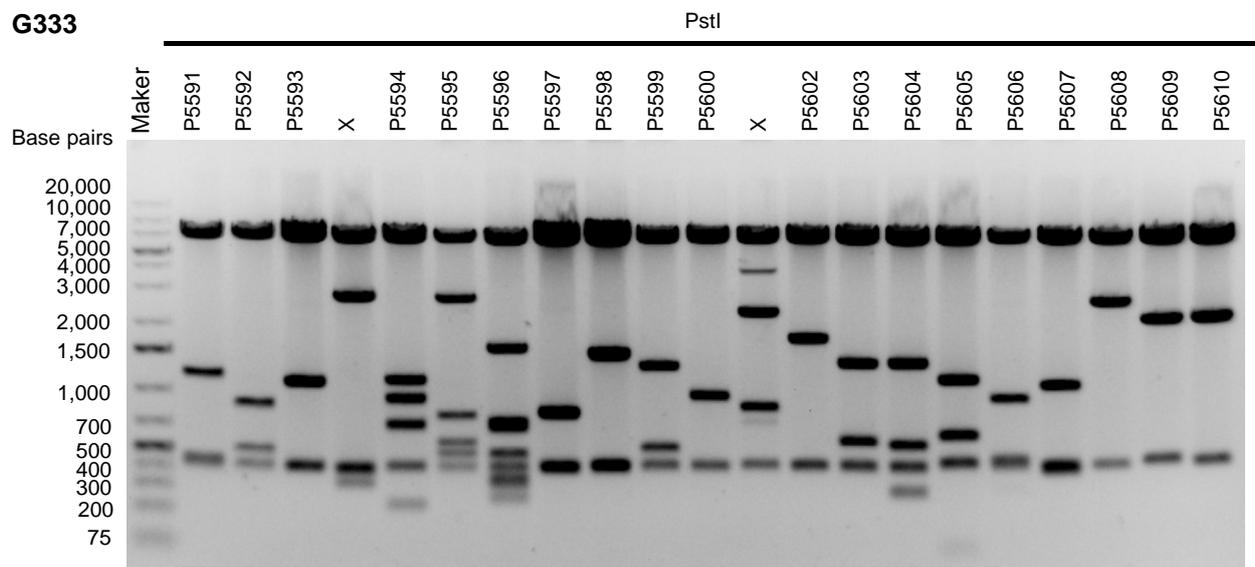
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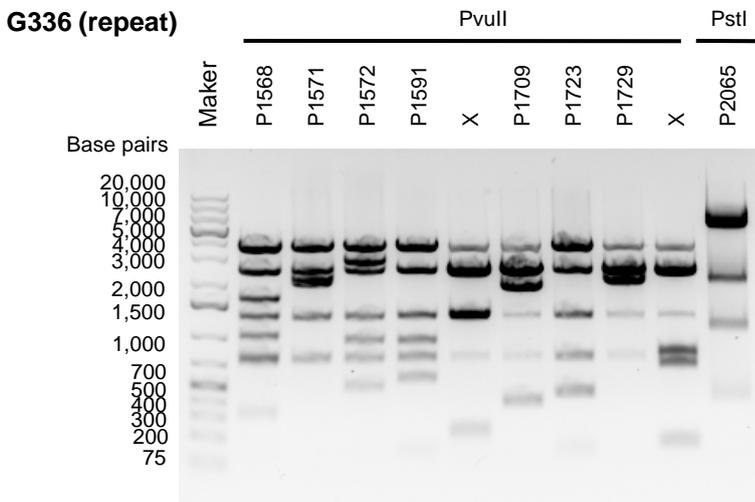
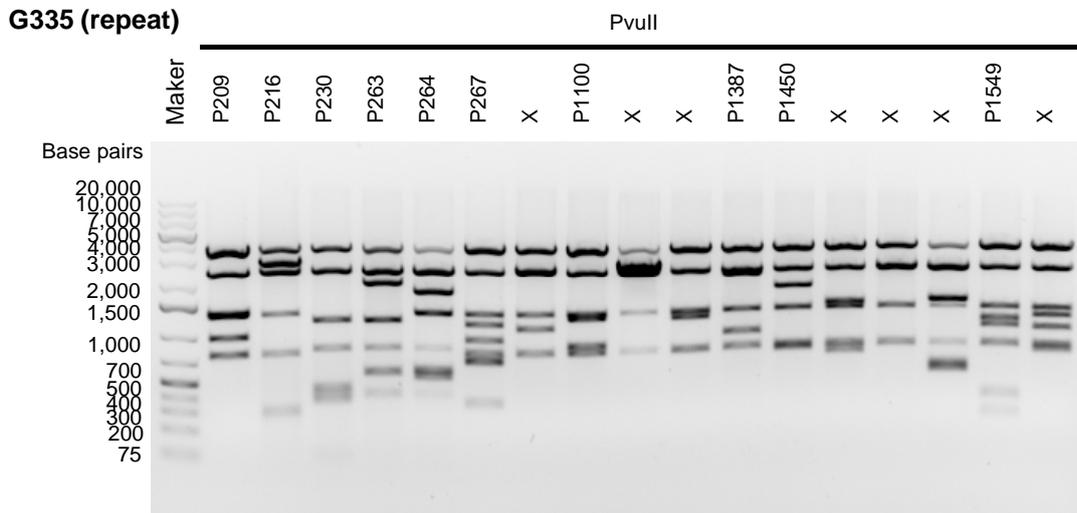
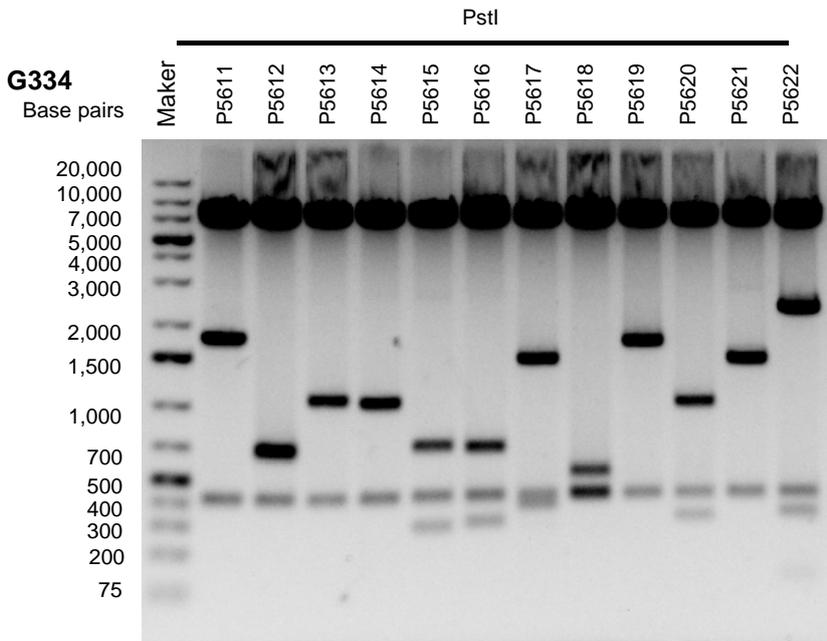


G332

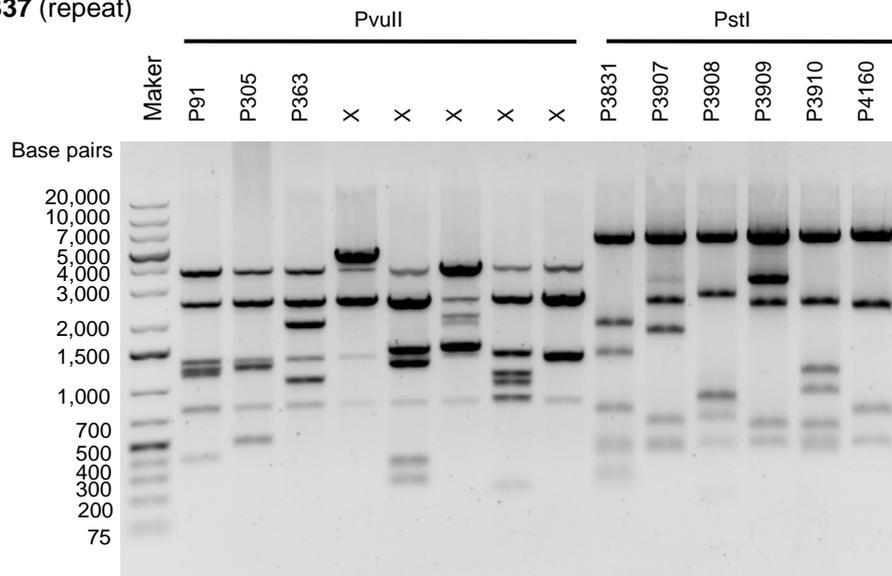


G333





G337 (repeat)



Supplemental Figure S4. Restriction analysis of 5,987 candidate UAS-cDNA/ORF constructs generated by CRISPRmass. 5,987 candidate UAS-cDNA/ORF constructs were generated by CRISPRmass from the DGRC Gold Collection, and only one bacterial colony for each candidate construct was analyzed by PstI or PvuII digestion. The expected restriction patterns for 5,518 UAS-cDNA/ORF constructs were observed (Supplemental Table S4).