

Claims

1. A composition comprising:
a uracil DNA glycosylase;
an endonuclease;
an exonuclease comprising a 3' to 5' single-stranded DNA exonuclease activity, and
5 an array comprising a plurality of amplification sites.
2. The composition of claim 1, wherein the exonuclease is exonuclease I.
3. The composition of claim 1, wherein the endonuclease is DNA glycosylase-lyase
10 Endonuclease VIII.
4. The composition of claim 1, wherein each amplification site comprises a plurality of
double-stranded DNA substrates attached to the amplification site, wherein the double-stranded
DNA substrates comprise a uracil cleavage site.
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5. The composition of claim 1, wherein each amplification site comprises a plurality of
double-stranded DNA substrates attached to the amplification site, wherein the double-stranded
DNA substrates comprise an abasic site.
- 20 6. The composition of claim 4, wherein the double-stranded DNA substrate comprises a
single-stranded region, and wherein the uracil cleavage site is present in the double-stranded
region.
7. The composition of claim 5, wherein the double-stranded DNA substrate comprises a
25 single-stranded region, and wherein the abasic site is present in the double-stranded region.