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Surface plasmon resonance biosensor for label-free and highly sensitive detection of point mutation using polymerization extension reaction

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Highlights

- A simple SPR biosensor strategy has been developed for rapid and highly sensitive detection of point mutation.
- This is the first application based on polymerization extension reaction for point mutation detection.
- 100 pM mutant sequences can be detected within 15 min.
- Wild-type and mutant-type sequences can be successfully discriminated.

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