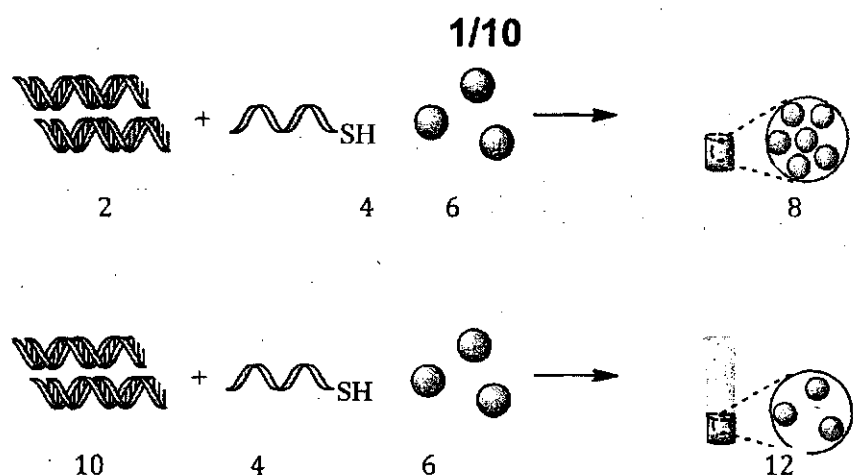
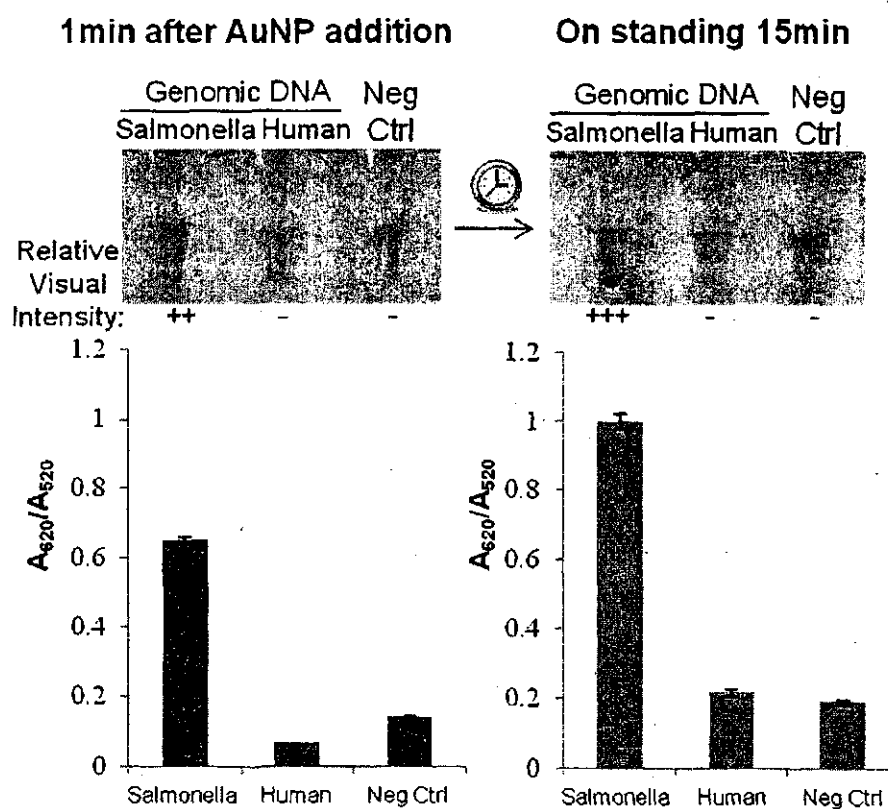
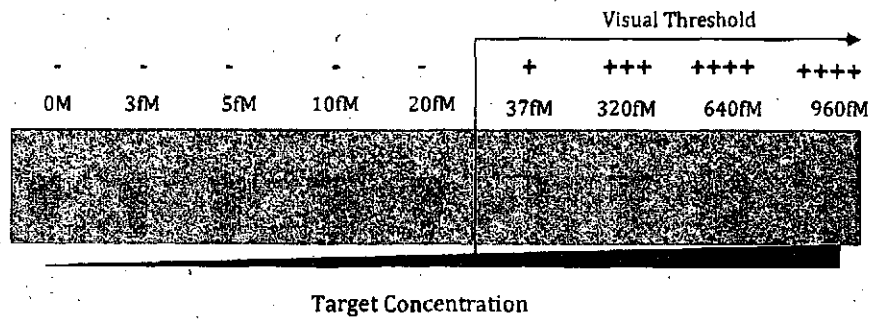


**Figure 1****Figure 2**

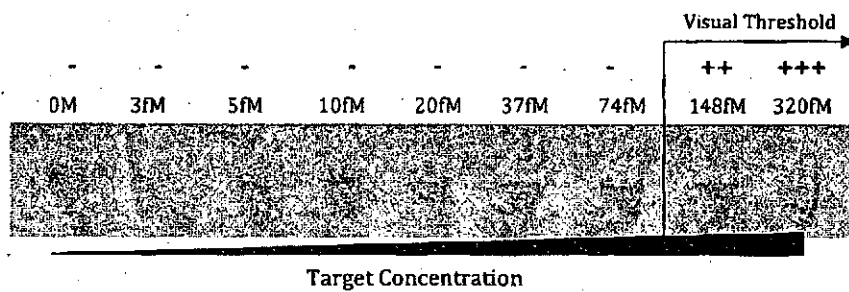
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Figure 3

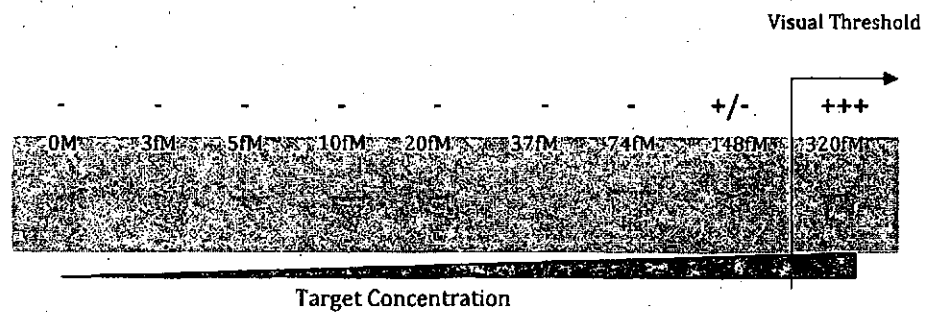
A



B.

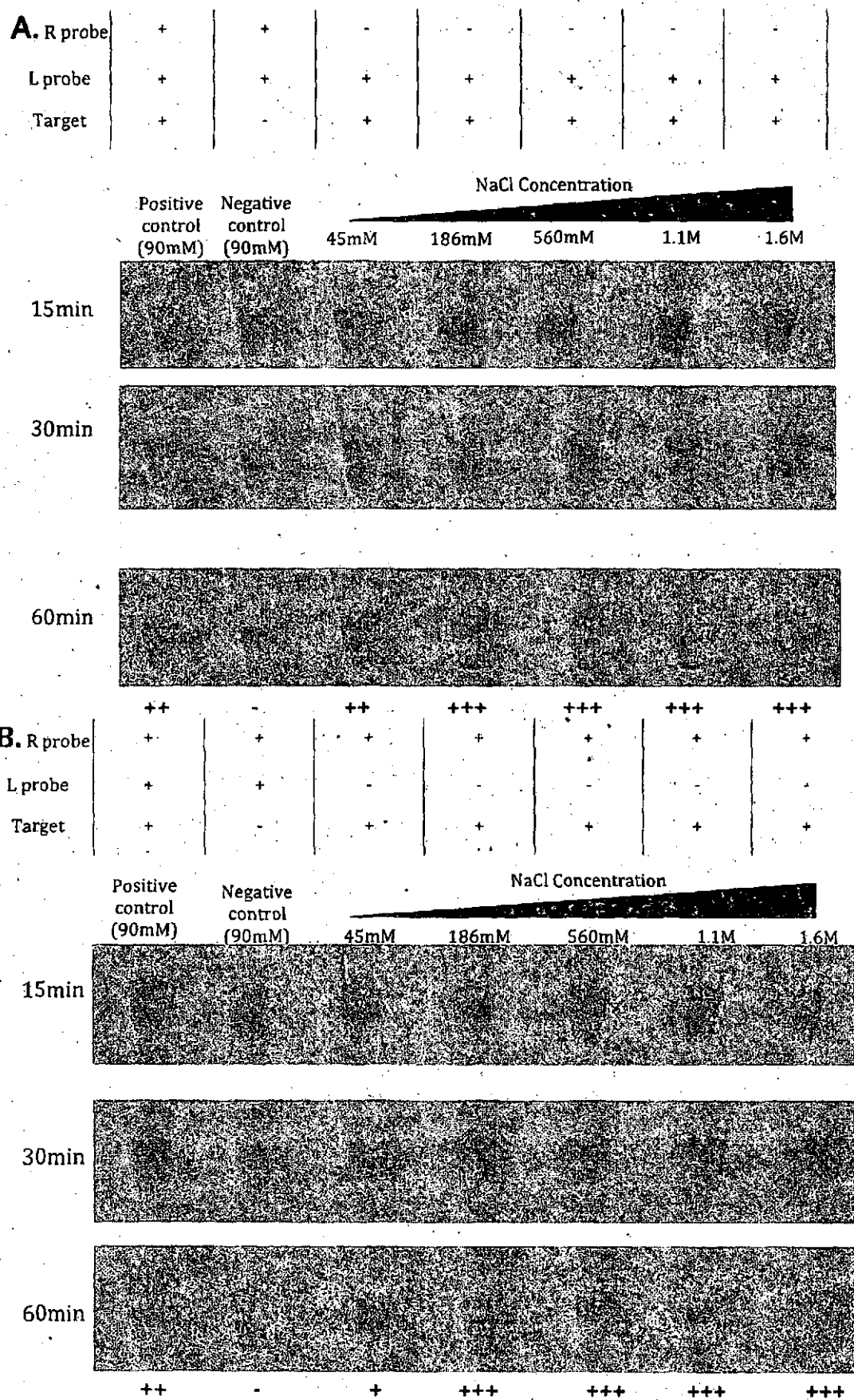


C.



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Figure 4



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C.

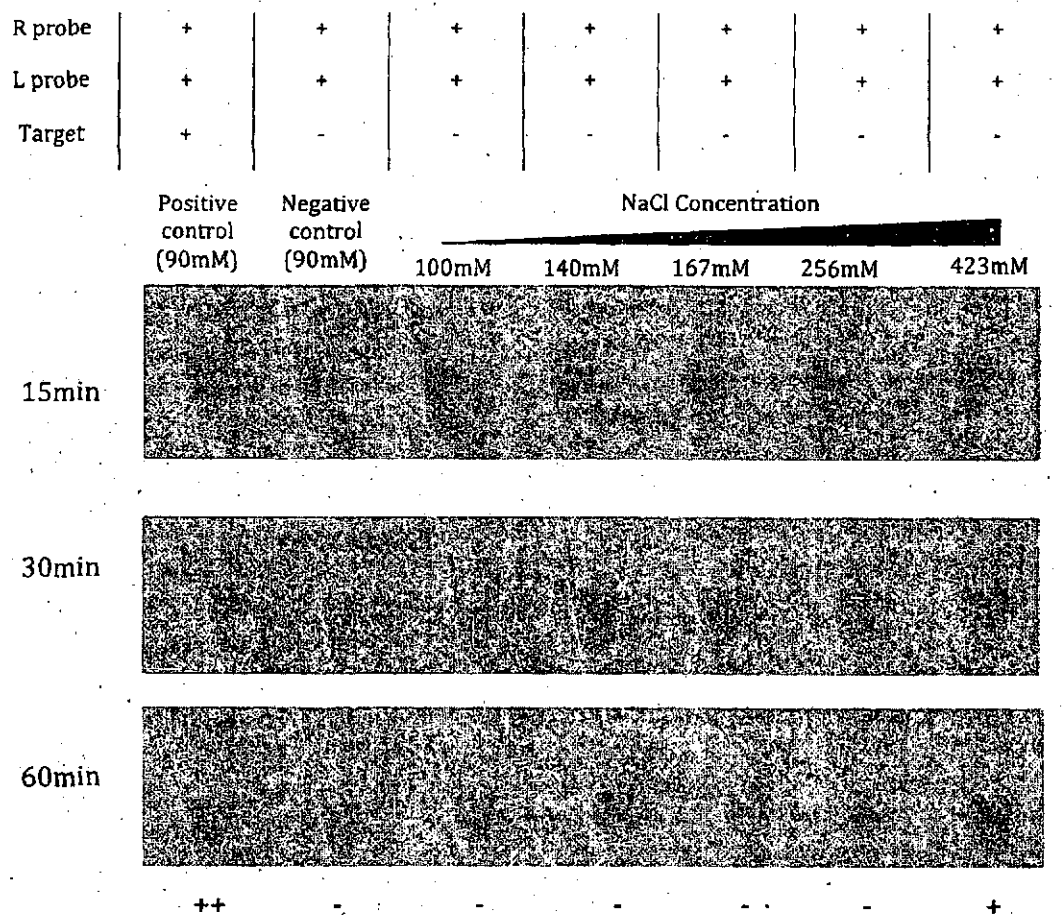


Figure 4.

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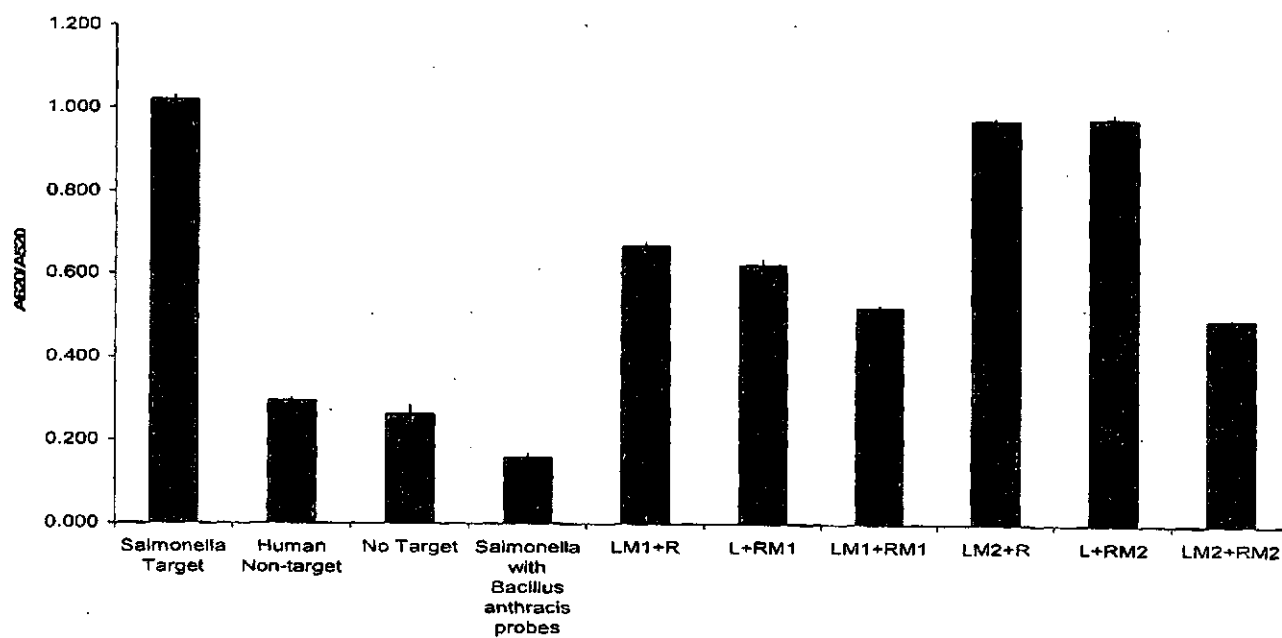
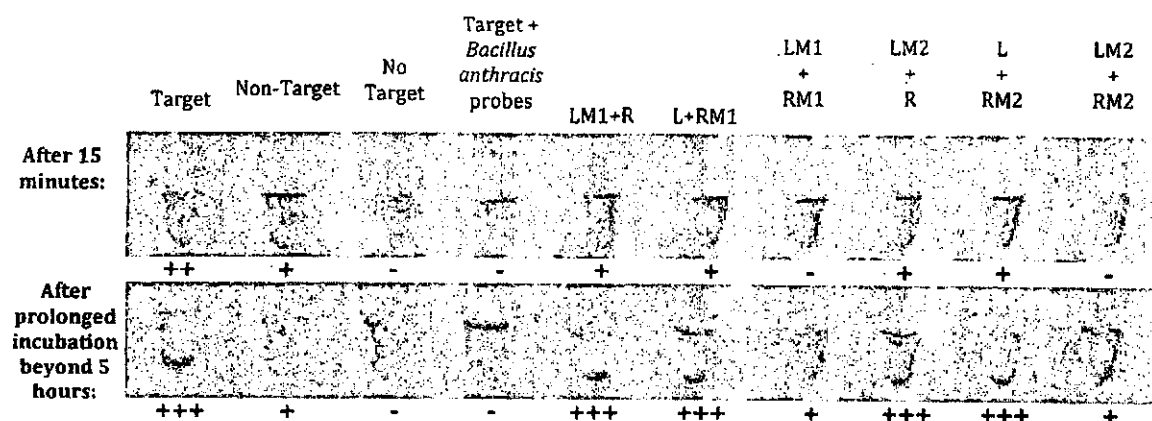
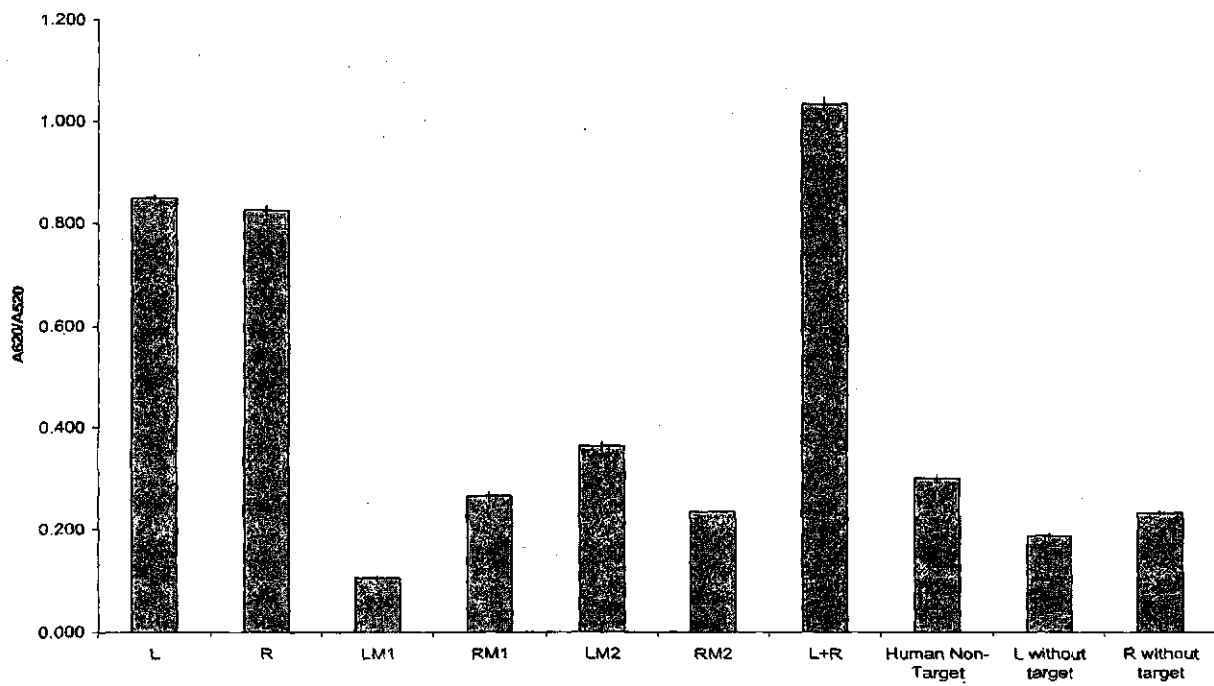
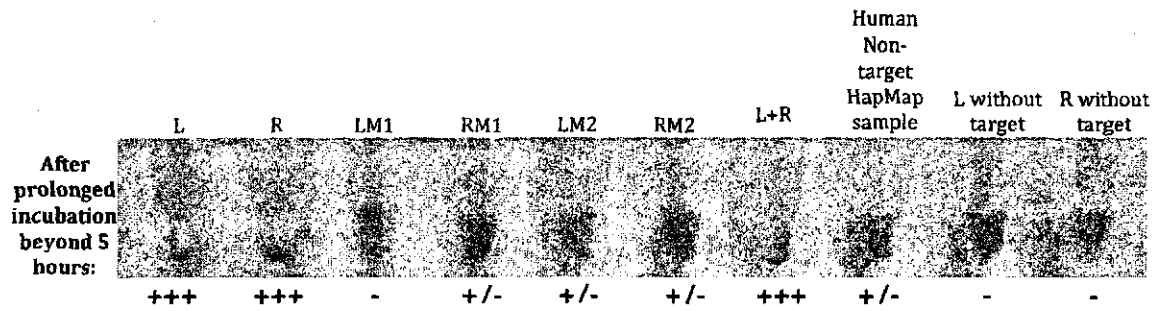
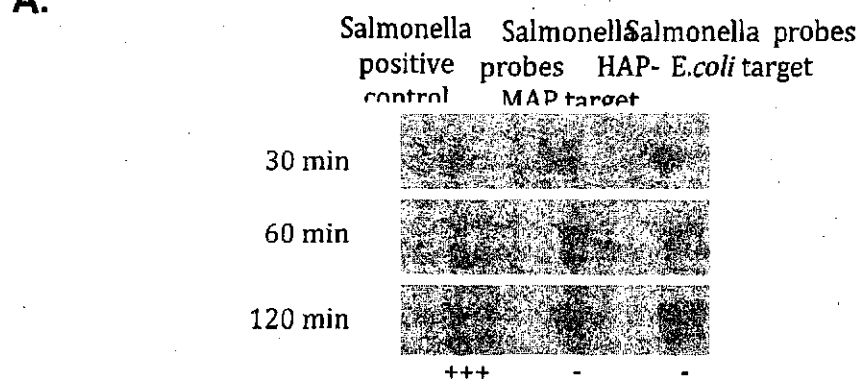
A**B**

Figure 5.

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A**B****Figure 6.**

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A.

Salmonella
Positive control

Non-target Human DNA samples

15 min

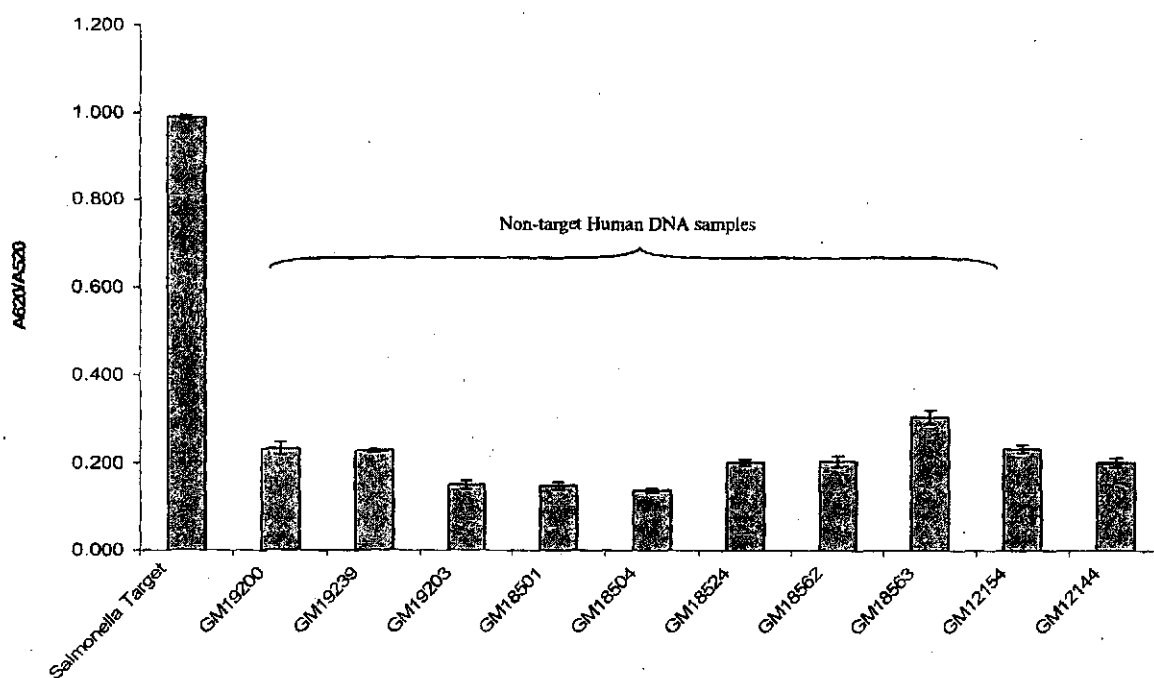
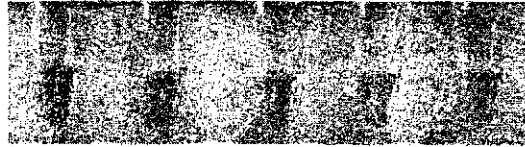
**B.**

Figure 7.

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Upon AuNP addition

Salmonella Target	Non- Target: E.coli	No Target	Single Mutation	Double Mutation
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After 15min

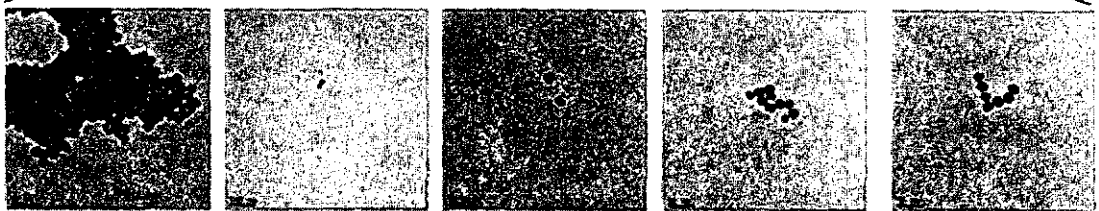
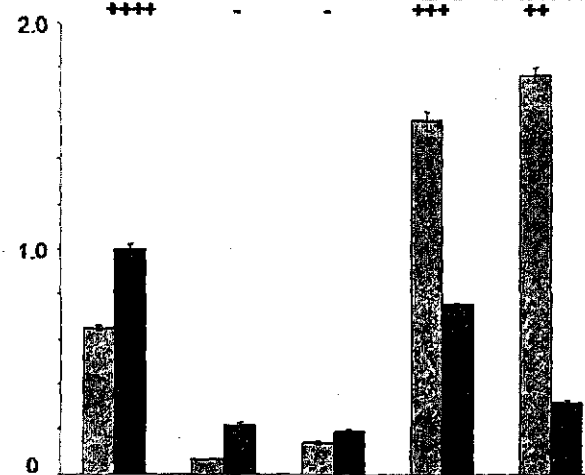


Figure 8.

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Salmonella Thiolated probes	-	-	-	+	+	+
Salmonella Genomic DNA	-	-	+	-	-	+
Human Genomic DNA	-	+	-	-	+	-
E.coli Thiolated Probes	+	+	+	-	-	-
E.coli Genomic DNA	+	-	-	+	-	-
Gold Nanoparticles (15nm)	+	+	+	+	+	+

Visual Signal (A_{620}/A_{520})

+++ - - - - +

After 15 min

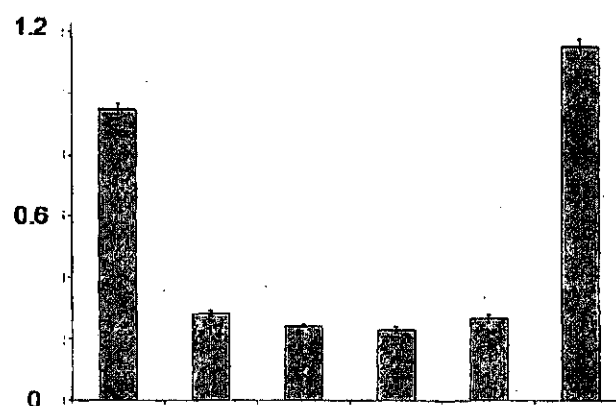


Figure 9

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Figure 10

