

**Table S1** DNA oligonucleotide probes, targets and primers

<b>Oligonucleotide</b>	<b>Sequence</b>
Wt probe	5'-Biotin-TTTTTTTTTTTTTTTTTTTT GGAGAAGTCTGCC-3'
Mt probe	5'-Biotin-TTTTTTTTTTTTTTTTTTTT GAGAAGGTCTGCC-3'
Wt target	5'-Cy5-CAGGGCAGTAACGGCAGACTTCTCCTCAGGAGTCAGATGCAC-3'
Mt target	5'-Cy5-CAGGGCAGTAACGGCAGACCTTCTCCTCAGGAGTCAGATGCA-3'
BCF	5'-AGCAGGGAGGGCAGGAGCCA-3'
T7-BCR	5'- <b>GAAATTAATACGACTCACTATAGGG</b> GAGAAGAGTCAGTGCCTATCAGAAACCC-3'
BCR	5'-AGAGTCAGTGCCTATCAGAAACCC-3'

T7 promoter sequence is denoted in bold.