

**A**

└─ VR

WT5' ACGCCAGCCCGCTGCTGCGCTATTCGGCGGCGCCTGGAACGGCACGTCGCTCTCGGGTT 60  
5'Δ105 ACGCCAGCCCGCTGCTGCGCTATTCGGCGGCGCCTGGAACGGCACGTCGCTCTCGGGTT 60  
5'Δ133 GAAATGTTCCGCTGCTGCGCTATTCGGCGGCGCCTGGAACGGCACGTCGCTCTCGGGTT 60  
5'Δ153 CGCCACGAGCGCGTGAACAGAACATGTTTCGCGCCTGGAACGGCACGTCGCTCTCGGGTT 60  
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WT CTGCGCTGCGCTCTGGTACAGCGGGCCGTCGTTCTCGTTCGCGTTCTTCGGGGCGCGCG 120  
5'Δ105 CTGCGCTGCGCTCTGGTACAGCGGGCCGTCGTTCTCGTTCGCGTTCTTCGGGGCGCGCG 120  
5'Δ133 CTGCGCTGCGCTCTGGTACAGCGGGCCGTCGTTCTCGTTCGCGTTCTTCGGGGCGCGCG 120  
5'Δ153 CTGCGCTGCGCTCTGGTACAGCGGGCCGTCGTTCTCGTTCGCGTTCTTCGGGGCGCGCG 120  
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WT CGCTCTGTGACCACCTGATTCTTG 144  
5'Δ105 CGCTCTGTGACCACCTGATTCTTG 144  
5'Δ133 CGCTCTGTGACCACCTGATTCTTG 144  
5'Δ153 CGCTCTGTGACCACCTGATTCTTG 144  
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**B**

WT3' CGCTGCTGCGCTATTCGGCGGCGCCTGGAACGGCACGTCGCTCTCGGGTTCTCGCGCTGC 60  
3'Δ47 CGCTGCTGCGCTATTCGGCGGCGCCTGGAACGGCACGTCGCTCTCGGGTTCTCGCGCTGC 60  
3'Δ68 CGCTGCTGCGCTATTCGGCGGCGCCTGGAACGGCACGTCGCTCTCGGGTTCTCGCGCTGC 60  
3'Δ82 CGCTGCTGCGCTATTCGGCGGCGCCTGGAACGGCACGTCGCTCTCGGGTTCTCGCGCTGC 60  
3'Δ103 CGCTGCTGCGCTATTCGGCGGCGCCTGGAACGGCACGTCGCTCTCGGGTTCTCGCGCTGC 60  
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WT3' GCTCTGGTACAGCGGGCCGTCGTTCTCGTTCGCGTTCTTCGGGGCGCGGGCGTCTGTGA 120  
3'Δ47 GCTCTGGTACAGCGGGCCGTCGTTCTCGTTCGCGTTCTTCGGGGCGCGGGCGTCTGTGA 120  
3'Δ68 GCTCTGGTACAGCGGGCCGTCGTTCTCGTTCGCGTTCTTCGGGGCGCGGGCGTCTGTGA 120  
3'Δ82 GCTCTGGTACAGCGGGCCGTCGTTCTCGTTCGCGTTCTTCGGGGCGCGGGCGTCTGTGA 120  
3'Δ103 GCTCTGGTACAGCGGGCCGTCGTTCTCGTTCGCGTTCTTCGGGGCGCGGGCGTCTGTGA 120  
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Hairpin

WT3' CCACCTGATTCTTGAGTAGCGGGGCCGAAAGGCCCGCCAAGGCAACCGATGGAA 175  
3'Δ47 CCACCTGATTCTTGAGTAGCGGGGCCGAAAGGCCCGCCAAGGCAACCGTGCAG 175  
3'Δ68 CCACCTGATTCTTGAGTAGCGGGGCCACTGCAGCGGTTTCTCGCCTCGTGGTCC 175  
3'Δ82 CCACCTGATTCTTGCTGCAGCGGTTTCTCGCCTCGTGGTCCGGTCAATGCGCAATG 175  
3'Δ103 GTTTCTCGCCTCGTGGTCCGGTCAATGCGCAATGGGCCGACACCCACAACCTTTT 175  
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