Figure S3A

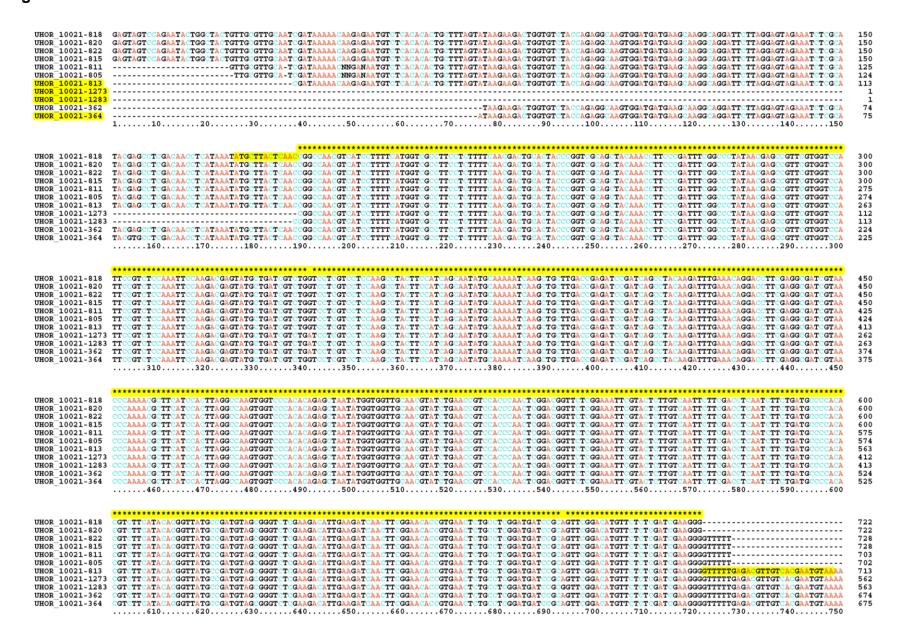


Figure S3A, continued

UHOR 10021-818		722
UHOR 10021-820		722
UHOR 10021-822		728
UHOR 10021-815		728
		703
UHOR 10021-805		702
UHOR 10021-813	GCAATGGGTGGTCTCACTGTTCGGATCACGTAACCTAACAACGTTTGTTCAGCCCTGTTACAGTCCAGTGTGTGT	811
UHOR 10021-1273	GCAATGGGTGGTCTCACTGTTCGGATCACGTAACCTAACACGTTTGTTCAGCCCTGTTACAGTCCAGTGTGTGT	660
UHOR 10021-1283	GCAATGGGTGGTCTCACTGTTCGGATCACGTAACCTAACAACGTTTGTTCAGCCCTGTTACAGTCCAGTGTGTGT	661
UHOR 10021-362	GCAATGGGTGGTCTCACTGTTCGGATCACGTAACCTAACAACGTTTGTTCAGCCCTGTTACAGTCCAGTGTGTGT	772
UHOR 10021-364	GCAATGGGTGGTCTCACTGTTCGGATCACGTAACCTAACAACGTTTGTTCAGCCCTGTTACAGTCCAGTGTGTGT	773
_	760 770 780 790 800 810 820 830 840	

Figure S3B

UHOR 10021 - UHOR 10022 intergenic region

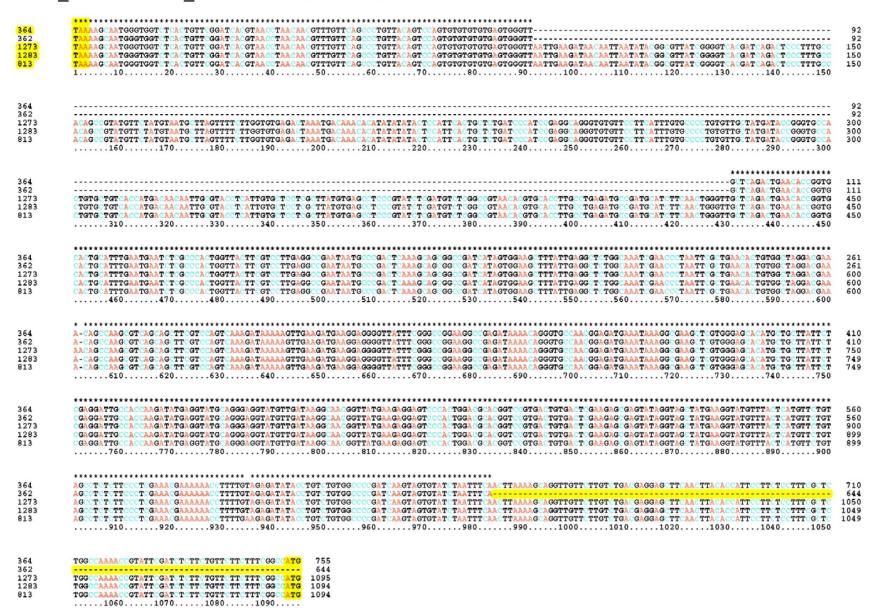


Figure S3C

UHOR 10021 - Uhavr1 locus region in virulent isolates

	983
<mark>Uh364brk</mark>	CAAGTAGTGTATCTAATTTCA
Uh822	${\tt CAAGTAGTGTATCTAATTTCAGTTGAAGTCATTCGTCAGCGTCTTGGCGTCATTCGTCAGAGNTTGGGGGTTGAGGTGTCTTTTGTTGATGATGGTAG}$
Uh811	${\tt CAAGTAGTGTATCTAATTTCAGTTGAAGTCATTCGTCAGCGTCTTGGCGTCATTCGTCAGAGGTTGGGGGTTGAGGTGTCTTTTGTTGATGATGGTAG}$
Uh818	CAAGTAGTGTATCTAATTTCAGTTGAAGTCATTCGTCAGCGTCTTGGCGTCATTCGTCAGAGGTTGGGGGTTGAGGTGTCTTTTGTTGATGATGGTAG
Uh815	CAAGTAGTGTATCTAATTTCAGTTGAAGTCATTCGTCAGCGTCTTGGCGTCATTCGTCAGAGGTTGGGGGTTGAGGTGTCTTTTGTTGATGATGGTAG
Uh805	${\tt CAAGTAGTGTATCTAATTTCAGTTGAAGTCATTCGTCAGCGTCTTGGCGTCATTCGTCAGAGGTTGGGGTTGAGGTGTCTTTTGTTGATGATGGTAG}$
Uh362	${\tt CAAGTAGTGTATCTAATTTCAGTTGAAGTCATTCGTCAGCGTCTTGGCGTCATTCGTCAGAGGTTGGGGGTTGAGGTGTCTTTTGTTGATGATGGTAG}$
Uh820	CAAGTAGTGTAT <mark>G</mark> TAATTTCAGTTGAAGTCATTCGTCAGCGTCTNGGNGTCATTCGTCAGAGGTTGGGGGNTGAGGTGTCTTTTGTTGATGATGGTAG
	******* *****
Uh364brk	
Uh822	
U110ZZ	
TTI- 0.1.1	GAGAGAGAGAGAGCTAGGAGTCTATATATACAAAAGTAGAGCGGCGGACTGCGGAGCATAACAAAGCATTTGCCTTGAGTAGGTTGTGA
Uh811	GAGAGAGAGAGAGCTAGGAGTCTATATATACAAAAGTAGAGCGGCGGACTGCGGAGCATAACAAAGCATTTGCCTTGAGTAGGTTGTGA
Uh818	
	GAGAGAGAGAGAGCTAGGAGTCTATATATACAAAAGTAGAGCGGCGGACTGCGGAGCATAACAAAGCATTTGCCTTGAGTAGGTTGTGA
Uh818	GAGAGAGAGAGAGCTAGGAGTCTATATATACAAAAGTAGAGCGGCGGACTGCGGAGCATAACAAAGCATTTGCCTTGAGTAGGTTGTGA GAGAGAGAGAGAGCTAGGAGTCTATATATACAAAAGTAGAGCGGCGGACTGCGGAGCATAACAAAGCATTTGCCTTGAGTAGGTTGTGA
Uh818 Uh815	GAGAGAGAGAGAGCTAGGAGTCTATATATACAAAAGTAGAGCGGCGGACTGCGGAGCATAACAAAGCATTTGCCTTGAGTAGGTTGTGA GAGAGAGAGAGAGCTAGGAGTCTATATATACAAAAGTAGAGCGGCGGACTGCGGAGCATAACAAAGCATTTGCCTTGAGTAGGTTGTGA GAGAGAGAGAGAGC <mark>GAGAGAGAGC</mark> TAGGAGTCTATATATACAAAAGTAGAGCGGCGGACTGCGGAGCATAACAAAGCATTTGCCTTGAGTAGGTTGTGA

Comparison of *Uhavr1* locus sequences among seven virulent isolates, focusing on the region after the 'breakpoint' where Uh362 (grey) diverges from sequences in avirulent isolate Uh364 (brk, highlighted in yellow). The 10-bp repeat unit is in red. The base position is as in panel B.

Figure S3D

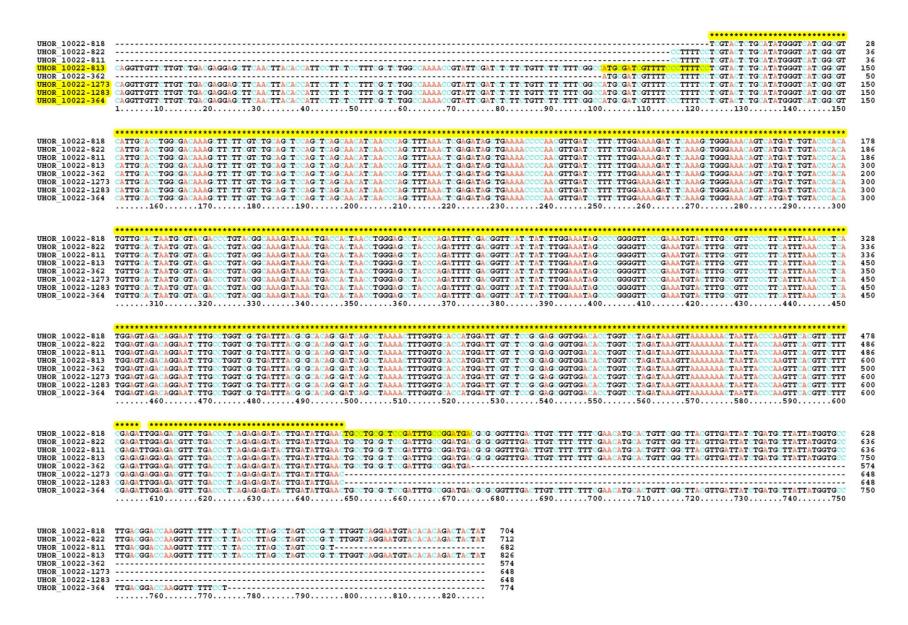


Figure S3E

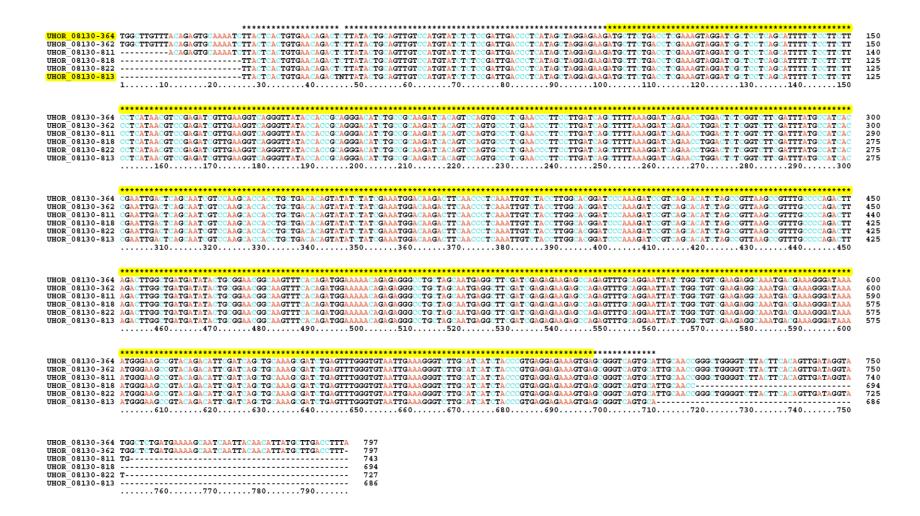


Figure S3F

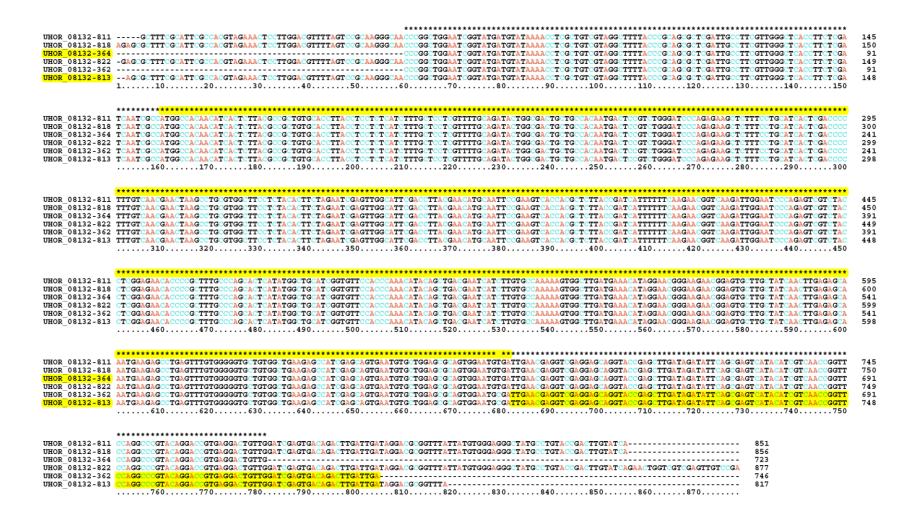


Figure S3G



Figure S3H

