Erysiphenecator

Erysiphenecator.

Ren4

rysiphenecator

Vitisvinifera

L Erysiphenecator Uncinulanecator L

Vitis-vinifera-

; L

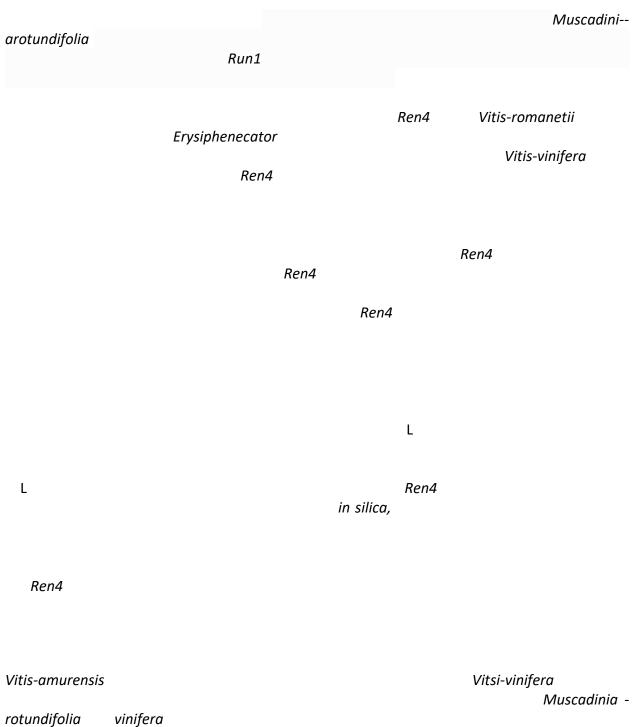
Vitis-cinerea Run1 Ren1 Ren2 Ren3 Ren4 Run1 Vitis-rotundifolia Ren2 Vitis-cinerea

Ren1 Ren3

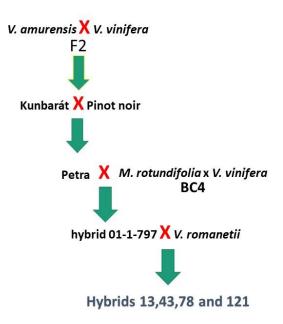
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Vitis-vinifera

Ren4 Vitis-romanetii



Vitis-romanetii



Ren4

Ren4

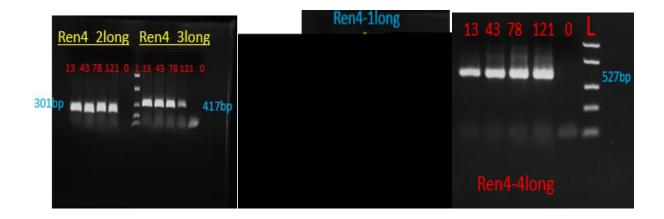
Vitis-vinifera

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Ren4

Vitis vinifera

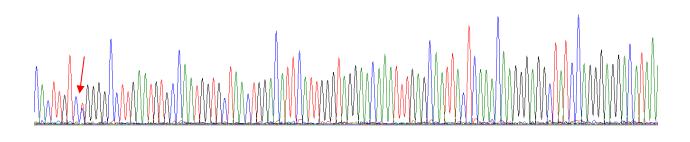
Ren4

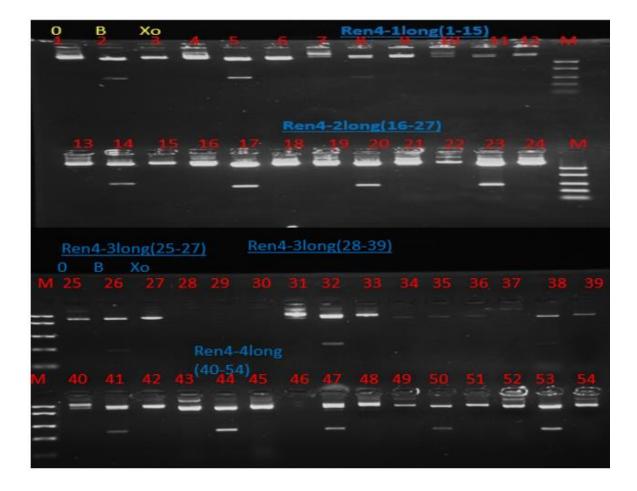


Ren4-2long-RC/78	ATTTGKGKAK	GTAKSAGCAC	ACTTGTCC	GGCCTTGAAT	GTGCCAATGC	TGCTAACTGG
Ren4-2long-F/78 Consensus	ATTTGNGNAN	GTANNAGCAC	ACTTGTCCGG	GGCCNNGAAT	GNGCCAATGG	TGCTA-CTGG
100%		GTANNAGOAG	ACTIGICCOG	GGCCINIGAAT	GINGCOAATOG	1001740100
Conservation		000 0000		aaallaaallall	Unnanaliiii	
		80		100		120
Ren4-2long-RC/78	ACATICATIG	GGTAGGAACA	AATTTGAGCA	ATTACTCAAA	CAAGGGAGGC	TATCCAGGGA
Ren4-2long-F/78	ACATICATIG	GGTAGGAACA	AATTTGAGCA	ATTACTCAAA	CAAGGGAGGC	TATCCAGGGA
Consensus	ACATTCATTG	GGTAGGAACA	AATTTGAGCA	ATTACTCAAA	CAAGGGAGGC	TATCCAGGGA
Conservation						
		140		160		180
		I				
Ren4-2long-RC/78 Ren4-2long-F/78	GGACATAAAT GGACATAAAT		AGATAATGAG Agataatgag	GAGAATTGAG GAGAATTGAG	GCTGAGGAGC GCTGAGGAGC	TGGGGTTGGA TGGGGTTGGA
Ren4-2long-F/78 Consensus	GG ACATAAAT GGACATAAAT	TCAACTTACA TCAACTTACA TCAACTTACA	AGATAATGAG Agataatgag Agataatgag			TGGGGTTGGA TGGGGGTTGGA TGGGGTTGGA
Ren4-2long-F/78	GGACATAAAT GGACATAAAT	TCAACTTACA TCAACTTACA TCAACTTACA	AGATAATGAG Agataatgag Agataatgag		GCTGAGGAGC	TGGGGTTGGA
Ren4-2long-F/78 Consensus Conservation	GGACATAAAT GGACATAAAT		AGATAATGAG Agataatgag Agataatgag		GCTGAGGAGC	TGGGGTTGGA
Ren4-2long-F/78 Consensus Conservation m Ren4-2long-RC/78	GGACATAAAT GGACATAAAT		AGATAATGAG AGATAATGAG AGATAATGAG	GAGAATTGAG GAGAATTGAG	GCTGAGGAGC	TGGGGTTGGA TGGGGTTGGA 240 I GGGGGACTGTA
Ren4-2long-F/78 Consensus Conservation	GGACATAAAT GGACATAAAT	1	A GA TAA TGAG A GA TAA TGAG A GA TAA TGAG A GA TAA TGAG CTAGCACAAG CTAGCACAAG	GAGAATTGAG GAGAATTGAG	GCTGAGGAGC	TGGGGTTGGA TGGGGTTGGA 240
Ren4-2long-F/78 Consensus Conservation m Ren4-2long-RC/78	GGACATAAAT GGACATAAAT	1	AGATAATGAG AGATAATGAG AGATAATGAG CTAGCACAAG CTAGCACAAG CTAGCACAAG	GAGAATTGAG GAGAATTGAG	GCTGAGGAGC	TGGGGTTGGA TGGGGTTGGA 240 I GGGGGACTGTA









Vitis-romanetii

Ren4

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Grape Phylloxera Biology and Management

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