

MONS463WO_ST25_Spanish (Colombia)
LISTADO DE SECUENCIAS

<110> Monsanto Technology LLC

<120> Evento transgénico de maíz MON 95379 y métodos para su detección y usos

<130> MONS:463WO

<150> US 62/711,810
<151> 30-07-2018

<160> 28

<170> PatentIn versión 3.5

<210> 1
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<212> ADN
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<223> Secuencia de 50 nucleótidos que representa la región de unión 5' de ADN genómico del maíz y el casete de expresión transgénico integrado.

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MONS463WO_ST25_Spanish (Colombia)

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MONS463WO_ST25_Spanish (Colombia)

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MONS463WO_ST25_Spanish (Colombia)

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MONS463WO_ST25_Spanish (Colombia)						
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MONS463WO_ST25_Spanish (Colombia)

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 <213> Artificial

<220>
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MONS463WO_ST25_Spanish (Colombia)

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MONS463WO_ST25_Spanish (Colombia)

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 <211> 35
 <212> ADN
 <213> Fago P1 de Enterobacteria

<220>
 <221> misc_feature
 <222> (1)..(35)
 <223> Secuencia de 35 nucleótidos que representa los sitios LoxP usados para la escisión mediada por Cre y la recombinación.

<400> 14
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<210> 15
 <211> 20
 <212> ADN
 <213> Artificial

<220>
 <223> Secuencia de 20 nucleótidos correspondiente a un cebador de amplificación térmica al que se hace referencia como SQ51219 usado para identificar el ADN del evento de maíz MON 95379 en una muestra.

<400> 15
 cctgcaagca aatgtgtggt 20

<210> 16
 <211> 30
 <212> ADN
 <213> Artificial

<220>
 <223> Secuencia de 30 nucleótidos correspondiente a un cebador de amplificación térmica al que se hace referencia como SQ21524 usado para identificar el ADN del evento de maíz MON 95379 en una muestra.

<400> 16
 gtcgttttat caaatgtac tttcatttta 30

<210> 17
 <211> 16
 <212> ADN
 <213> Artificial

<220>
 <223> Secuencia de 16 nucleótidos correspondiente a una sonda a la que se hace referencia como PB10269 usada para identificar el ADN del evento de maíz MON 95379 en una muestra.

<400> 17
 taacgctgcg gacatc 16

<210> 18
 <211> 24
 <212> ADN
 <213> Artificial

<220>
 <223> Secuencia de 24 nucleótidos correspondiente a un cebador de amplificación térmica al que se hace referencia como SQ20222 usado como un control interno para el ensayo de evento y cigosidad para MON 95379 y se hibrida a una región del genoma de maíz.

<400> 18
 gccctatgac ttaccgagag ttca 24

<210> 19
 <211> 28
 <212> ADN
 <213> Artificial

<220>
 <223> Secuencia de 28 nucleótidos correspondiente a un cebador de amplificación térmica al que se hace referencia como SQ20221 usado como un control interno para el ensayo de evento y cigosidad para MON 95379 y se hibrida a una región del genoma de maíz.

<400> 19
 gttgctatgt actaacagaa ctgcatgt 28

<210> 20
 <211> 29
 <212> ADN
 <213> Artificial

<220>
 <223> Secuencia de 29 nucleótidos correspondiente a un cebador al que se hace referencia como PB50237 usado como un control interno para el ensayo de evento y cigosidad para MON 95379 y se hibrida a una región del genoma de maíz.

<400> 20
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<210> 21
 <211> 20
 <212> ADN
 <213> Artificial

<220>
 <223> Secuencia de 20 nucleótidos correspondiente a un cebador de amplificación térmica al que se hace referencia como SQ50998 usado en el ensayo de cigosidad para el evento MON 95379 y se hibrida a la secuencia de codificación de Cry1B.868.

<400> 21
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<210> 22
 <211> 20
 <212> ADN
 <213> Artificial

<220>
 <223> Secuencia de 20 nucleótidos correspondiente a un cebador de amplificación térmica al que se hace referencia como SQ50997 usado en el ensayo de cigosidad para el evento MON 95379 y se hibrida a la secuencia de codificación de Cry1B.868.

<400> 22
 ggcgacgatg tggtcaagga 20

<210> 23
 <211> 18
 <212> ADN
 <213> Artificial

<220>
 <223> Secuencia de 18 nucleótidos correspondiente a una sonda a la que se hace referencia como PB50340 usada en el ensayo de cigosidad para el evento MON 95379 y se hibrida a la secuencia de codificación de Cry1B.868.

<400> 23
 aactatgtga cgctgctc 18

<210> 24
 <211> 19
 <212> ADN
 <213> Artificial

<220>
 <223> Secuencia de 19 nucleótidos correspondiente a un cebador de amplificación térmica al que se hace referencia como SQ50485 usado en el ensayo de cigosidad para el evento MON 95379 y se hibrida a la secuencia de codificación de Cry1Da_7.

<400> 24
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<210> 25
 <211> 18
 <212> ADN
 <213> Artificial

<220>
 <223> Secuencia de 18 nucleótidos correspondiente a un cebador de amplificación térmica al que se hace referencia como SQ50484 usado en el ensayo de cigosidad para el evento MON 95379 y se hibrida a la secuencia de codificación de Cry1Da_7.

<400> 25
 cgaagatcgc agcgttga 18

<210> 26
 <211> 14
 <212> ADN
 <213> Artificial

<220>
 <223> Secuencia de 14 nucleótidos correspondiente a una sonda a la que se hace referencia como PB50138 usada en el ensayo de cigosidad para el evento MON 95379 y se hibrida a la secuencia de codificación de Cry1Da_7.

<400> 26
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<210> 27
 <211> 21
 <212> ADN
 <213> Artificial

<220>
 <223> Secuencia de 21 nucleótidos correspondiente a un cebador de amplificación térmica al que se hace referencia como PNEGADN usado en el ensayo de cigosidad para el evento MON 95379.

<400> 27
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<210> 28
 <211> 14
 <212> ADN
 <213> Artificial

<220>
 <223> Secuencia de 14 nucleótidos correspondiente a una sonda a la que se hace referencia como PRBNEGADN usada en el ensayo de cigosidad para el evento MON 95379.

<400> 28
 cgtcctccga tcca 14