

Gene: Welland - Sequence: NG\_Welland.1

Date : February 9, 2015

1<sup>st</sup> line: Base numbering. Full stops for intronic +/- 5, 10, 15...

2<sup>nd</sup> line: Base sequence. lower case Introns, upper case Exons

3<sup>rd</sup> line: Amino acid sequence. Printed on FIRST base of codon.

4<sup>th</sup> line: Amino acid numbering. Numbered on 1<sup>st</sup> and increments of 10

Exon 1 | Start: 801 | End: 1020 | Length: 219

gaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaa

gaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaa

gaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaa

gaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaa

gaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaa

| -269      | -259      | -249      | -239      | -229      | -219  
ACGTACGTACGTACGTACGTACGTACGTACGTACGTACGTACGTACGTACGT

|-209      |-199      |-189      |-179      |-169      |-159  
ACGTACGTACGTACGTACGTACGTACGTACGTACGTACGTACGTACGTACGT

|-149      |-139      |-129      |-119      |-109      |-99  
ACGTACGTACGTACGTACGTACGTACGTACGTACGTACGTACGTACGTACGT

| -89      | -79      | -69      | -59      .      .      .      .  
 ACGTACGTACGTACGTACGTACGTACGTACGTACGTACGTaaaagaaaagaaaagaaaag

aaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaag

aaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaag

Exon 2 | Start: 1621 | End: 1779 | Length: 158

2



|231            |241            |251            |261            |271    |+1  
ACGTACGTACGTACGTACGTACGTACGTACGTACGTACGTACGTACGTACGTATAAAAGT  
X Y Z A B C D E F G H I J K L M \*  
               |81    |91

|+11      |+21      |+31      |+41      |+51      |+61  
ACGTACGTACGTACGTACGTACGTACGTACGTACGTACGTACGTACGTACGTACGT

|+71        |+81        |+91        |+101    .        .        .        .  
 ACGTACGTACGTACGTACGTACGTACGTACGTACGTaaaagaaaagaaaagaaaagaaaa

. . . . .  
gaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaag

. . . . .  
gaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaag

. . . . .  
gaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaag

. . . . .  
gaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaag

gaaaagaaaagaaaagaaaagaaaagaaaagaaaag