Gene: Welland - Sequence: NG_Welland.1 Date : February 9, 2015

1^{st} line: Base numbering. Full stops for intronic $+/$ - 5, 10, 15 2^{nd} line: Base sequence. lower case Introns, upper case Exons 3^{rd} line: Amino acid sequence. Printed on FIRST base of codon 4^{th} line: Amino acid numbering. Numbered on 1^{st} and increments of 10									
Exon 1 Start: 801 End: 1020 Length: 219									
-269 -259 -249 -239 -229 -219 ACGTACGTACGTACGTACGTACGTACGTACGTACGTACGT									
-209 -199 -189 -179 -169 -159 ACGTACGTACGTACGTACGTACGTACGTACGTACGTACGT									
-149 -139 -129 -119 -109 -99 ACGTACGTACGTACGTACGTACGTACGTACGTACGTACGT									
-89 -79 -69 -59 ACGTACGTACGTACGTACGTACGTACGTACGTACGTACGT									

$. \qquad . \qquad$
aaaagaaaagaaaagaaaagaaaagaaaagg
Exon 2 Start: 1621 End: 1779 Length: 158
gaaaagaaaagaaaagaaaagaaaagaaaagaaaagaaaa
-49
${\tt ACGTACGTACGTACGTACGTACGTACGTACGTACGTACGT$
l1
11 21 31 41 51 61
CGTACGTACGTACGTACGTACGTACGTACGTACGTACGTA
11 21
71 81 91 101
$\tt CGTACGTACGTACGTACGTACGTACGTACGTACGTACGTA$
W X Y Z A B C D E F G H I 31

aaag	aaa	agaa	aaag	gaaa	laga	aaa	gaa	aaį	gaaa	aag	aaa	aga	aaa	gaa	aaga	aaa	aga	aaa	ga
aaag	aaa	agaa	aaag	gaaa	laga	aaa	gaa	ıaaş	gaaa	aag	aaa	aga	aaa	gaa	aaga	aaa	aga	aaa	ga
aaag	aaa	agaa	aaag	gaaa	laga	aaa	gaa	ıaaį	gaaa	aag	aaa	aga	aaa	gaa:	aaga	aaa	aga	aaa	ga
aaag	aaa	agaa	aaag	gaaa	laga	aaa	gaa	ıaaį	gaaa	aag	aaa	aga	aaa	gaa	aaga	aaa	aga	aaa	ga
aaag	aaa	agaa	aaag	gaaa	laga	aaa	gaa	ıaaį	gaaa	aag	aaa	agg							
Exon	. 3	St	tart	;: 2	2380	I	End	l: 1	265	5	Le	ngt:	h:	275					
gaaa	.aga	aaaį	gaaa	ıaga	ıaaa	gaa	aag	gaaa	aaga	aaa	aga	aaa	gaa	aaga	aaaa	aga:	aaa	gaa	aa
gaaa	.aga	aaag	gaaa	aga	ıaaa	gaa	aag	gaaa	aaga	aaa	aga	aaa	gaa	.aag	aaaa	aga	aaa	gaa	aa
gaaa	.aga	.aaa	gaaa	ıaga	ıaaa	gaa	aag	gaaa	aaga	aaa	aga	aaa	gaa	.aag	aaaa	agaa	aaa	gaa	aa
gaaa	.aga	.aaa	gaaa	ıaga	ıaaa	gaa	aag	gaaa	aaga	aaa	aga	aaa	gaa	.aaga	aaaa	agaa	aaa	gaa	aa
gaaa	aga	aaag	gaaa	ıaga	ıaaa	gaa	aag	gaaa	aaga	aaa	aga	aaa	gaa	aag	aaaa	aga:	aaa	gaa	aa
ACGT J			GTAC		12 CGT 0 41	ACG P		GT					ACG			CGT. Z		TAC	
ACGT D	ACG	TAC	GTAC	CGTA	18 CGT 61	ACG J	TAC	GT	ACG:	ГАС	GTA	CGT.	ACG	TAC	GTAC	CGT. T		ГАС	GT

•	231 ACGTACGTA	241 ACGTACGTA	-	261	-	+1 TATAAACGT
			F G H		L M *	
-	-	-		+41 CGTACGTACO	-	+61 TACGTACGT
•	-	-	91 CGTACGTAC		aaagaaaag	aaaagaaaa
 gaaaagaaa	 aagaaaaga	aaagaaaa	 gaaaagaaa	 agaaaagaa	 aaagaaaag	aaaagaaaa
· · gaaaagaaa	 aagaaaaga	aaagaaaa	· · gaaaagaaa	agaaaagaa	naagaaaag	aaaagaaaa
 gaaaagaaa	aagaaaaga	aaagaaaa	gaaaagaaa	· . agaaaagaa	aaagaaaag	aaaagaaaa
gaaaagaaa	aagaaaaga	aaagaaaa	 gaaaagaaa	agaaaagaa	aaagaaaag	aaaagaaaa
gaaaagaaa	 aagaaaaga	aaagaaaa	 gaaaagaaa	nag		