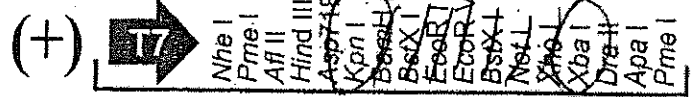


Noda Murata B2
 pcDNA3.1Puro+ -> Graphic Map

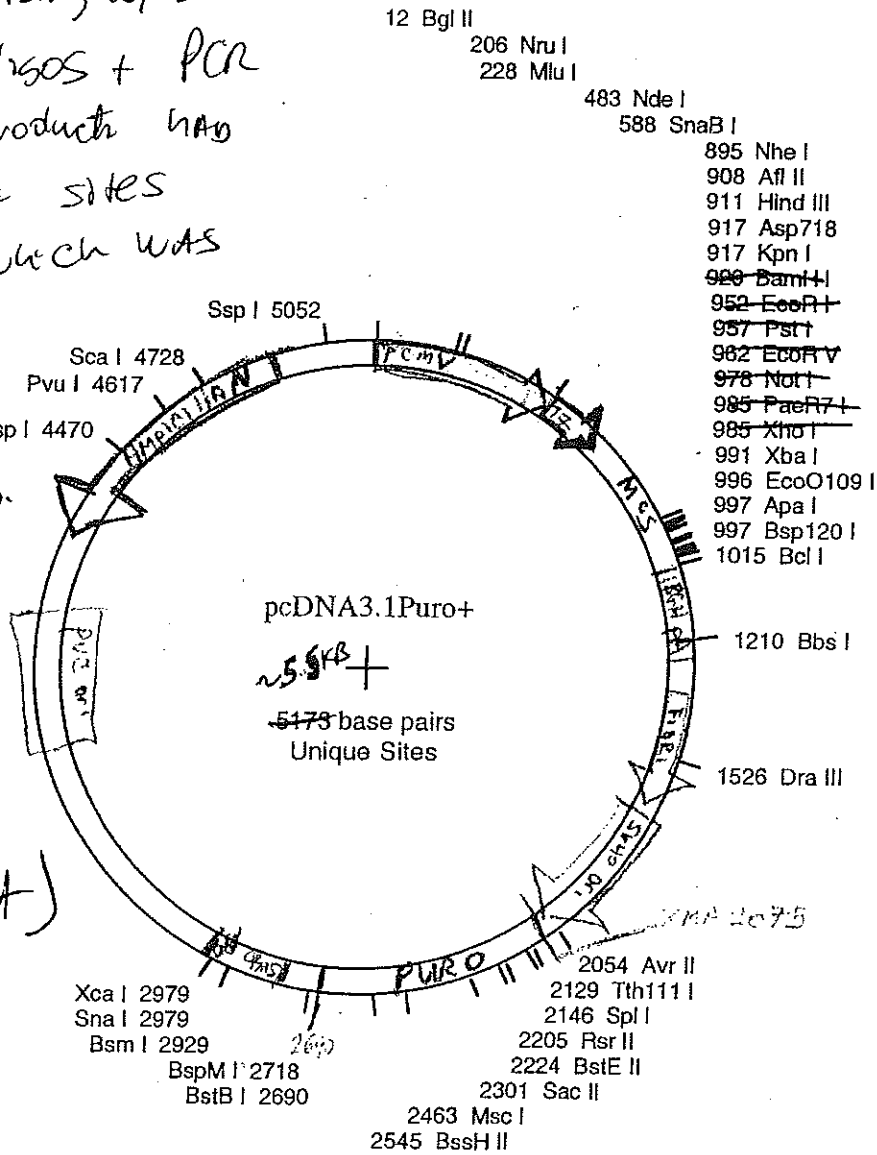
DNA sequence 5173 b.p. , GACGGATCGGGA ... CCACCTGACGTC circular

Kozak Noda Murata B2

- 7/15/03
- Made by Chris Sullivan (Genentech)
- Made by synthesizing w/ 6 overlapping oligos + PCR
- Final PCR products had KpnI -> Xba sites engineered which was cloned into same sites as pcDNA3.1 puro.



- Sequence confirmed for clone 1-1 w/ 2 pt mutants (silent)



7/15/03
 Chris Sullivan

pcDNA 3.1 puro Nodamura B2

>gb|AF174533.1| **G** Nodamura virus RNA1 segment, complete sequence
Length=3204

Score = 740 bits (820), Expect = 0.0
Identities = 413/415 (99%), Gaps = 0/415 (0%)
Strand=Plus/Plus

Query	40	ATGACAACAATGTCATGCGCTTACGAGCTAATCAAGTCACTTCCAGCCAAAGCTGGAGCAG	99
Sbjct	2744	ATGACAACAATGTCATGCGCTTACGAGCTAATCAAGTCACTTCCAGCCAAAGCTGGAGCAG	2803
Query	100	CTGGCTCAGGAGACGCARCAACGATCCAAACGCTCATGATCGGGATCCCAACGTCAAC	159
Sbjct	2804	CTGGCTCAGGAGACGCARCAACGATCCAAACGCTCATGATCGGGATCCCAACGTCAAC	2863
Query	160	AAGGATCTGGGAGCGTTCTGGAGTTCCTGACCGTACAGCACCAGCGGGCGTATCGAGCG	219
Sbjct	2864	AAGGATCTGGGAGCGTTCTGGAGTTCCTGACCGTACAGCACCAGCGGGCGTATCGAGCG	2923
Query	220	ACGRAACGCCCTGCTCATCAAAACCCGAGTCGCAGCAGCGCTTCGCGGGAGGAGCTGGAC	279
Sbjct	2924	ACGRAACGCCCTGCTCATCAAAACCCGAGTCGCAGCAGCGCTTCGCGGGAGGAGCTGGAC	2983
Query	280	CTGGCGGAGCGGACGTCGCCGCCCGGGTCCGCCAGCTAAACAACAGCTGGCGGAGCTC	339
Sbjct	2984	CTGGCGGAGCGGACGTCGCCGCCCGGGTCCGCCAGCTAAACAACAGCTGGCGGAGCTC	3043
Query	340	GAGATGGAATCRAAGCCAGGGCACCAACAGCTGGCCCAAGTAAAGCCAGCCGGGAGGCC	399
Sbjct	3044	GAGATGGAATCRAAGCCAGGGCACCAACAGCTGGCCCAAGTAAAGCCAGCCGGGAGGCC	3103
Query	400	GCAGCCGCAGCTCCCGTGGCCCCAGCTGGGTCCGGTGGCGCTGGTAAATGAGTGAT	454
Sbjct	3104	GCAGCCGCAGCTCCCGTGGCCCCAGCTGGGTCCGGTGGCGCTGGTAAATGAGTGAT	3158

2 silent point mutations confirmed
and noted by arrows.