Supplementary Table 2. Lists of nucleotide sequences

(A)

S.N	*Construct Name*	*Name of primers*	*Direction of primers*	*Primer Sequences*
1.	Juxtakinase domain (JKD)	XhoI hMet + 3056 hMet3455-BamH1	5'-3' 5'-3'	CCGCTCGAGCGGATGAAGAGAAAGCAAATTAAAGATCTGGG GGCGCCGGATCCCCACAAAATGCCCTCTTCCTATGACTTC
2.	Fragment No. (F-2)	XhoIhMet+ 3101 hMet3265-BamHI	5'-3' 5'-3'	AAACTCGAGGATGCAAGAGTACACACTCCT AAGGATCCTAATACTGCACTTGTCGGCATGA
3.	Fragment No. (F-3)	XhoIhMet+ 3266 HMet3439-BamHI	5'-3' 5'-3'	AAACTCGAGCCTCTGACAGACATGTCCCCCAT AAGGATCCTATATGACTTCATTGAAATGCAC

(B)

S.N.	*Construct name*	*Name of Primers*	*Direction of primers*	*Primer sequences*
1.	H1068A	H1068A- sense	5'- 3'	GTCCAGGCAGTGCAGGCTGTAGTGATTGGGCC
2.	H1079A	H1079A-sense	5'- 3'	GCCCAGTAGCCTGATTGTGGCTTTCAATGAAGTC
3.	H1068N	H1068N-sense	5'- 3'	GCCCAGTAGCCTGATTGTGGCTTTCAATGAAGTC
4.	H1068K	H1068K- sense	5'- 3'	GTCCAGGCAGTGCAGAAGGTAGTGATTGGGCCC
5	H1079K	H1079K- sense	5'- 3'	AGTAGCCTGATTGTGAAGTTCAATGAAGTCATA
6.	ΔL1035-S1044	Met-ΔL1035-S1044-sense Met-ΔL1035-S1044-antisense	5'- 3' 5'- 3'	ACAGACATGTCCCCCATCCCATTACTGCAAAATACTG AGTATTTTGCAGTAATGGGATGGGGGACATGTCTGT
7.	ΔS1043-H1052	Met-ΔS1043-H1052-sense Met-ΔS1043-H1052-antisense	5'- 3' 5'- 3'	CCTAACTAGTGGGGACTCTGATATATTTGACCTCAGTGC GCACTGAGGTCAATTATATCAGAGTCCCCACTAGTTAGG
8.	ΔI1053-L1062	Met-ΔI1053-L1062-sense Met-ΔI1053-L1062-antisense	5'- 3' 5'- 3'	GCAAAATACTGTCCACGTCCAGGCAGTGCAGC GCTGCACTGCCTGGACGTGGACAGTATTTTGC
9.	ΔH1068-H1079	Met-ΔH1068-H1079-sense Met-ΔH1068-H1079-antisense	5'- 3' 5'- 3'	GGTCCAGGCAGTGCAGTTCAATGAAGTCATAGG CCTATGACTTCATTGAACTGCACTGCCTGGACC

(A) Nucleotide sequences of primers used for generation of GFP-Juxta kinase domain (JKD), Fragment No.2 (F-2) and Fragment No.3 (F-3) constructs. (**B)** Nucleotide sequences of primers (sense and antisense) used for the generation of histidine substitution; and deletion mutants.