

Nuclear Importation of *Mariner* Transposases among Eukaryotes: Motif Requirements, and Homo-Protein Interactions

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Supporting Information 6 : Oligonucleotides used in the studies

Primer name	Nucleotide sequence	Positions in Tpase sequence*
<i>Mos1</i>		
Mos1-5'NcoI	5' -GCGTCACCATGGCGAGTTTCGTGCCG-3'	1-6
Mos1-3'SpeI	5' -GACTAGTTTCAAAGTATTTGCCGTGCT-3'	345-339
Mos1-3'Δ1 SpeI :	5' -GACTAGTAGCATCGTCTTCATCCAATAA-3'	86-79
Mos1-3'Δ2 SpeI:	5' -GACTAGTTCAGGATCAACGTATGACT-3'	175-169
Mos1-3'Δ3 NcoII	5' -CCCATGGGACAACCGTCCACATCG-3'	175-180
Mos1-Δ4 NcoI	5' -GCGTCACCATGGAAACGCAAAAACAACACTCG-3'	86-93
Mos1-Δ5 NcoI	5' -GCGTCACCGAAGTAAGTCAACAAGCAGTTT-3'	97-104
Mos1-Δ6 NcoI	5' -GCGTCACCGTGATCTTCCTGCACGACAATG-3'	244-251
Mos1-NLS1up	5' -CATGGAACGCTTCAAAGTGGTGATTTTGACGTGACGACAAAAGA GCACGGAAAACCGCCAAAAGGA-3'	52-71
Mos1-NLS1dw	5' -CTAGTCCTTTTTGGCGGTTTTCCGTGCTCTTTGTGTCGTCGACGTCA AAATCACCACCTTTTGAAGCGTTC-3'	52-71
Mos1-NLS2up	5' -CATGGGAAAACCGCCAAAAGGTACGA-3'	66-71
Mos1-NLS2dw	5' -CTAGCGTACCTTTTTGGCGGTTTTCC-3'	66-71
Mos1-NLS3up	5' -CATGGAGAGGCGCAAAAACACATGCGAAATTTTGCTTTCACGATA CAAAGGA-3'	131-146
Mos1-NLS3dw	5' -CTAGTCCTTTTGTATCGTGAAAGCAAAATTTTCGCATGTGTTTTTG CGCCTCTC-3'	131-146
Mos1-NLS4up	5' -CATGCCTAAACGTAAAAAGTCATACG-3'	164-169
Mos1-NLS4dw	5' -CTAGCGTATGACTTTTTTACGTTTAGG-3'	164-169
<i>Himar1</i>		
Himar1-5'NcoI	5' -GCCATGGAAAAAAGGAATTTTCG-3'	1-7
Himar1-3'SpeI	5' -GACTAGTTTCAACATAGTTCCCTTCAAG-3'	348-342
Himar1-3'Δ1SpeI	5' -GACTAGTATTCAAATCATTGTGGAT-3'	82-76
Himar1-3'Δ2SpeI	5' -GACTAGTGGTCGCTGTCCACTCAGCCGA-3'	179-173
Himar1-3'Δ3NcoI	5' -CCCATGGCTGAGTGGACAGCGACC-3'	174-179
<i>Mcmar1</i>		
Mcmar1-5'NcoI	5' -GCCATGGATGAAAAAAAAAGAATAAG-3'	1-8
Mcmar1-3'SpeI	5' -GACTAGTTTCATAGAAATAATTTCCATT-3'	340-334
Mcmar1-3'Δ1SpeI	5' -GACTAGTTGCGGGATTCTCATTAATTGC-3'	82-76
Mcmar1-3'Δ2SpeI	5' -GACTAGTCCCAACTGCAAGCCATTGCTT-3'	171-165
Mcmar1-3'Δ3NcoI	5' -CCCATGCAAGATGCTAATGCAA-3'	172-176

* in the alignment of Fig. 1