

**Table 1: The sequence of the PCR primers used for construction of various deletion mutations of INrf2 and cloning of PTM  $\alpha$  into pcDNA3.1 V5.**

Name of Constructs	Sequence of the PCR primers used	Templet DNA used
<b>2XGFP</b>	Forward: 5'-CGCGTTCGACATGGTGAGCAAGGGCGAGGAG-3' Reverse: 5'-CGCGGATCCCCCTTGTACAGCTCGTCCATGCC-3'	pEGFP-N1 vector
<b>INrf2-2XGFP</b>	Forward: 5'-CCGCTCGAGCCACCATGCAGCCCCGAACCCAAGCTTAG-3' Reverse: 5'-CGCGGATCCCCGCAGGTACAGTTTTGTTGATC-3'	Mouse pcDNAINrf2
<b>DGR-2XGFP</b>	Forward: 5'-CCGCTCGAGCCACCATGCAGGCAGTGCCCTGCCGCGCG3' Reverse: 5'-CCGGAATTCGATGTCATGCGGGTCACCTCACTC-3'	Mouse pcDNAINrf2
<b>INrf2- GFP</b>	Forward: 5'-CCGCTCGAGCCACCATGCAGCCCCGAACCCAAGCTTAG-3' Reverse: 5'-CGCGGATCCCCGCAGGTACAGTTTTGTTGATC-3'	Mouse pcDNAINrf2
<b><math>\Delta</math>NR INrf2-GFP</b>	Forward: 5'-CCGCTCGAGCCACCATGAAGCAGGCTTTTGGCGTCATG-3' Reverse: 5'-CGCGGATCCCCGCAGGTACAGTTTTGTTGATC-3'	Mouse pcDNAINrf2
<b>INrf2-<math>\Delta</math>BTB-GFP</b>	Forward: 5'-CCGCTCGAGCCACCATGCAGCCCCGAACCCAAGCTTAG-3' Reverse: 5'-CCGGAATTCGAGGTGTGATCCTCTAGTGTGTAG-3' Forward: 5'-CCGGAATTCTGACCCAGCAACGCCATTGGC-3' Reverse: 5'-CGCGGATCCCCGCAGGTACAGTTTTGTTGATC-3'	Mouse pcDNAINrf2
<b>INrf2-<math>\Delta</math>IVR-GFP</b>	Forward: 5'-CCGCTCGAGCCACCATGCAGCCCCGAACCCAAGCTTAG-3' Reverse: 5'-CCGGAATTCGACAGCTGCTGCACGAGGAAGTC-3' Forward: 5'-CCGGAATTCTCAGGCAGTGCCCTGCCGCGCG-3' Reverse: 5'-CGCGGATCCCCGCAGGTACAGTTTTGTTGATC-3'	Mouse pcDNAINrf2
<b>INrf2-<math>\Delta</math>DGR-GFP</b>	Forward: 5'-CCGCTCGAGCCACCATGCAGCCCCGAACCCAAGCTTAG-3' Reverse: 5'-CCGGAATTCGACACTGCCTGCGTGGGCTTGTG-3' Forward: 5'-CCGGAATTCTTCTGGCCGAGCGGGGTGGGTG-3' Reverse: 5'-CCGGAATTCTTCTGGCCGAGCGGGGTGGGTG-3'	Mouse pcDNAINrf2
<b>INrf2-<math>\Delta</math>CTR-GFP</b>	Forward: 5'-CCGCTCGAGCCACCATGCAGCCCCGAACCCAAGCTTAG-3' Reverse: 5'-CGCGGATCCCCTGTCATGCGGGTCACCTCACTC-3'	Mouse pcDNAINrf2
<b>INrf2-<math>\Delta</math>BTB-NES2-GFP</b>	Forward: 5'-CTGGTGCAGATATTCCAGGAGGCCACGGCG 3' Reverse: 5'-CTCCTG GAATATCTGCACCAGGTAGTCCTT3'	Methylated INrf2- $\Delta$ BTB-GFP
<b>INrf2-<math>\Delta</math>DGR-NES2-GFP</b>	Forward: 5'-CTGGTGCAGATATTCCAGGAGGCCACGGCG 3' Reverse: 5'-CTCCTG GAATATCTGCACCAGGTAGTCCTT3'	Methylated INrf2- $\Delta$ DGR-GFP
<b>INrf2-<math>\Delta</math>CTR-NES2-GFP</b>	Forward: 5'-CTGGTGCAGATATTCCAGGAGGCCACGGCG 3' Reverse: 5'-CTCCTG GAATATCTGCACCAGGTAGTCCTT3'	Methylated INrf2- $\Delta$ CTR-GFP
<b>Flag-INrf2-pcDNA5/FRT/TO</b>	Forward: 5'-CATGGCCGGTACCACCGCCATGCAGCCCCGAACCCAAGC3' Reverse: 5'-TGGCCAGGATCCGCAGGTACAGTTTTGTTGATCAATT3'	Mouse pcDNAINrf2
<b>Flag-DGRINrf2-pcDNA5/FRT/TO</b>	Forward: 5'-CATGGCCGGTACCACCGCCATGCAGGCAGTGCCCTGCCGC Reverse: 5'-CTGGCCAGGATCCCTGAGATGTCATGCGGGTCACCT3'	Mouse pcDNAINrf2
<b>Flag-<math>\Delta</math>DGR-INrf2pcDNA5/FRT/TO</b>	Forward: 5'-CATGGCCGGTACCACCGCCATGCAGCCCCGAACCCAAGC3' Reverse: 5'-TGGCCAGGATCCGCAGGTACAGTTTTGTTGATCAATT3'	INrf2- $\Delta$ DGR-GFP
<b>PTM<math>\alpha</math>-V5</b>	Forward: 5'-AACCCCATGTCAGACGCAGCCGTAGAC-3' Reverse: 5'-GCTATCCTCGTCGGTCTTCTGCTTCTT-3'	PTM $\alpha$ cDNA