|  |  |  |  |
| --- | --- | --- | --- |
| **Generated Construct** | **Template** | **Cloning method** | **Sequence (5’-3’)** |
| **LANA1-SL8** | LANA1 -pcDNA3 | Side Directed Mutagenesis | CTGGGGACTCTCCACAGGAAATGACAAGTATAATCAACTTTGAAAAACTG GGGATATCCATCACACTGGCGGCCGCT AGCGGCCGCCAGTGTGATGGATATCCCCAGTTTTTCAAAGTTGATTATAC TTGTCATTTCCTGTGGAGAGTCCCCAG |
| **LANA1-N-****terminal** | LANA1-SL8 | PCR,restriction ligation | GCATAAGCTTATGGCGCCCCCGGGAATGCGC CGCGGAATTCCTGACTTTCCTTGCTAATCTCGTTGT |
| **LANA1-C-****terminal- SL8** | LANA1-SL8 | PCR,restriction ligation | GCGCGAATTCATCTTGCACGGGTCGTCATCCGAGGACG CGCGGGGCCCTTACTTGTCGTCATCGTCTTTGTAGTCC |
| **LANA1ΔCR** | LANA1-N-terminal, LANA1-C-terminal- SL8 | restriction ligation | - |
| **5’ c-myc-IRES- LANA1** | c-myc-Ova (41) | PCR,restriction ligation | GCGC AAGCTT AACTCGCTGTAGTAATTCCAGCG GCGCGGATCCTGGGTTTACTCTTCCCG |
| **3’ c-myc-IRES- LANA1** | c-myc-Ova (41) | PCR,restriction ligation | GCGCTCTAGATCCCCTGTGAGGAACTACTGT CGTAGGGCCCGATGCACGGTCTACGAGACCT |
| **5’ HCV-IRES- LANA1** | HCV-Ova (41) | PCR,restriction ligation | GCGC AAGCTT TCCCCTGTGAGGAACTACTGT CGTAGGATCCAGGTCTCGTAGACCGTGCATC |
| **3’ HCV-IRES- LANA1** | HCV-Ova (41) | PCR,restriction ligation | GCGCTCTAGAAACTCGCTGTAGTAATTCCAGCG GCGCGGGCCCTGGGTTTACTCTTCCCG |

**Supplementary Table 1**. Primers and constructs used for cloning