

Table S1

Sequences of primers used for luciferase vector cloning.

Target	Sense	Antisense
Arid1a Target Region	5'-ATCGCCGTGTAATTCTAGTTGTTTATGCAGAATCCACCCCTTGA-3'	5'-AGACTCGAGGCTAGCCGAGCTCGTTTCGTTGTAGGTTCCACACAGGATA-3'
Arid1a Target Site	5'-CTATGCAAAAACACCTCAGAATCCAGTTTACCCTGTGCTGT-3'	5'-CTAGACAGCACAGGGTAAACTGGATTCTGAGGTGGTTTTGCATAGAGCT-3'
Arid1a Mutant Target Site	5'-CTATGCAAAAACACCTCAGAATCCATCGGACCTGTGCTGT-3'	5'-CTAGACAGCACAGGGTCCGATGGATTCTGAGGTGGTTTTGCATAGAGCT-3'
Ctstl Target Region	5'-ATCGCCGTGTAATTCTAGTTGTTTGGGTATGGAAGCTACATCAAA-3'	5'-AGACTCGAGGCTAGCCGAGCTCGTTTATGGACACTGAGGTGAAATC-3'
Ctstl Target Site	5'-CTCAGCTTAAAAGTACCAAAACCCCTATTGAGT-3'	5'-CTAGACTCAATAAGGGTTTGGTCAGTTTAAAGTGACAGCT-3'
Ctstl Mutant Target Site	5'-CTCAGCTTAAAAGTACCAAAACCCCTATTGAGGT-3'	5'-CTAGACCTCATAAGGGTTTGGTCAGTTTAAAGTGAGAGCT-3'
Ewsr1 Target Region	5'-ATCGCCGTGTAATTCTAGTTGTTTCACTGCTACAGTACCACAA-3'	5'-AGACTCGAGGCTAGCCGAGCTCGTTTCCAGACTCCTGCCATAAAC-3'
Ewsr1 Target Site	5'-CCAGTCACCCGACCTCCATCTTATCCTCT-3'	5'-CTAGAGAGGATAAGATGGAGGTGCGGTGACTGGAGCT-3'
Ewsr1 Mutant Target Site	5'-CCAGTCACCCGAAAGCCATCTTATCCTCT-3'	5'-CTAGAGAGGATAAGATGGCTTTGCGGTGACTGGAGCT-3'
Fus Target Region	5'-ATCGCCGTGTAATTCTAGTTGTTTTCGGTCTGCTGGAACCTTGT-3'	5'-AGACTCGAGGCTAGCCGAGCTCGTTTGTGACCATAACCTCCACTCTG-3'
Fus Target Site	5'-CACGACTATACCAACAAGCAACTCAAAGCTAT-3'	5'-CTAGATAGCTTTGAGTTGCTTTGGTGGTATAGTCGTGAGCT-3'
Fus Mutant Target Site	5'-CACGACTATACCAACAAGCGGACCAAAGCTAT-3'	5'-CTAGATAGCTTTGGTCCGCTTTGGGTATAGTCGTGAGCT-3'
Ifitm3 Target Region	5'-ATCGCCGTGTAATTCTAGTTGTTTAGAGCAGTTTATCAAGCCA-3'	5'-AGACTCGAGGCTAGCCGAGCTCGTTTCCGGAATCCTCTAATTAAGTGTGAAG-3'
Ifitm3 Target Site	5'-CCTCCGACCATGAACCACACTTCTCAAT-3'	5'-CTAGATTGAGAAGTGTGGTTCATGGTGCAGGAGGAGCT-3'
Ifitm3 Mutant Target Site	5'-CCTCCGACCATGAAGTGAAGGACTT-3'	5'-CTAGAAGTCCCTCACTTCTATGGTGCAGGAGGAGCT-3'
Phc3 Target Region	5'-ATCGCCGTGTAATTCTAGTTGTTTCTCACAGAAATGGCTCACAA-3'	5'-AGACTCGAGGCTAGCCGAGCTCGTTTGGAGGAGACACCCTACAGA-3'
Phc3 Target Site	5'-CATTCTCTTCAATCCACCTCCTAAAGTTTCCCATCATCAGCTGCTATTAT-3'	5'-CTAGATAATAGCAGCTGATGATGGGAAACTTTAGGAGTGGTGAATGAAGAGGAATGAGCT-3'
Phc3 Mutant Target Site	5'-CATTCTCTTCAATCACGGATCCTAAAGTTTCCCATCATCAGCTGCTATTAT-3'	5'-CTAGAAATAGCAGCTGATGATGGGAAACTTTAGGATCCCGTGAATGAAGAGGAATGAGCT-3'
Foxj3 Target Region	5'-ATCGCCGTGTAATTCTAGTTGTTTACAGCATGGCTTGATGAATTTAC-3'	5'-AGACTCGAGGCTAGCCGAGCTCGTTTAAAGTATGTACACATCACCCCTTCA-3'
Foxj3 Target Site	5'-CTAGAGACTTGGGGTAAGGACTAACAAACATACATACACAGATGT-3'	5'-CTAGACATCTGTATGTATGTTTGTAGTCTTACCCCAAGTCTCTAGAGCT-3'
Kdm5b Target Region	5'-ATCGCCGTGTAATTCTAGTTGTTTAGGAGACTCTGAGGATGAA-3'	5'-AGACTCGAGGCTAGCCGAGCTCGTTTGCAACTCCAATACCTTCGTAATC-3'
Kdm5b Target Site	5'-CCTGTACACGGTCTATTCTATTCTTATGGAT-3'	5'-CTAGATCCCATAGGAATAGAAATAGCACCGTGTACAGAGCT-3'
Trp53inp1 Target Region	5'-ATCGCCGTGTAATTCTAGTTGTTTCGACGCTACCTCAGCAC-3'	5'-AGACTCGAGGCTAGCCGAGCTCGTTTACTGAAGGAAGCAGGAATCAC-3'
Trp53inp1 Target Site	5'-CAAACACTGTGCACCTTAATCTCTCGTGAATTCTCGGGTCCAAAGGAACTCCAGTACCAGATGATCTGATGCCGCTCT-3'	5'-CTAGAAAGCAGGATACGAGATACATCGGTGACTGGATTCTTGGCACCCGAGAAATCCACGAGAGATTAAGTGCACAGTGTGAGCT-3'