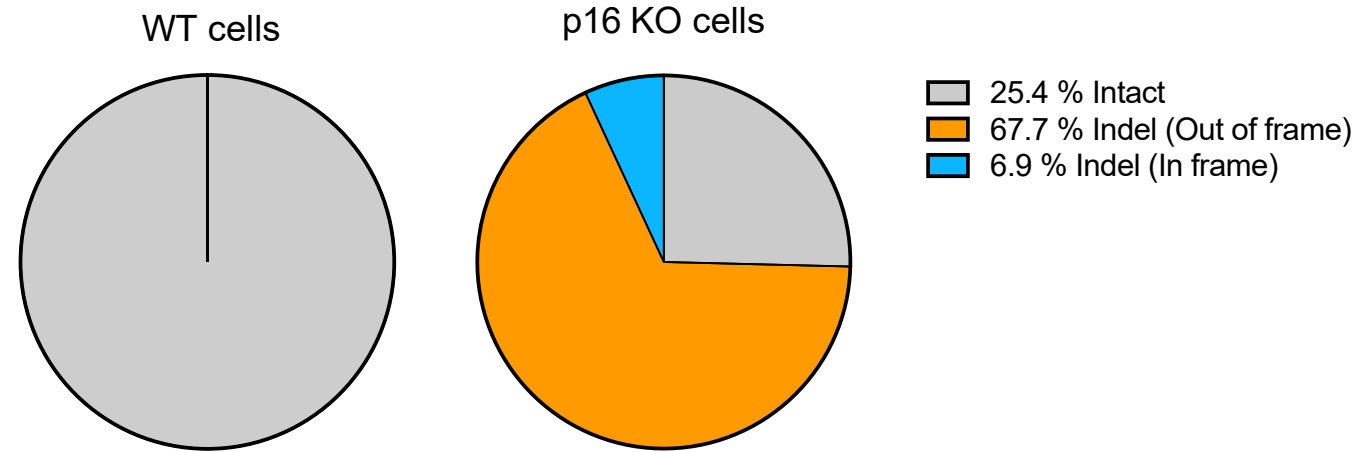


# MiSeq sequencing and data analysis of p16 KO cells and controls

Outknocker web tool

p16 KO cells:  
Knockout efficiency: 74.6 %

WT cells:  
Knockout efficiency: 0.1 %



REFERENCE	CCTCTACCCACCTGGATCGGCCTCCGACCGTAACTATTCGGTGC GTTGGG	CAGCGCCCCCGCCTCCAGCAGCGCCCCGCAC
Intact	25.4 %	
no indel	CCTCTACCCACCTGGATCGGCCTCCGACCGTAACTATTCGGTGC GTTGGGCAGCGCCCCCGCCTCCAGCAGCGCCCCGCAC	1145 reads
<b>Indel (Out of frame)</b>	<b>67.7 %</b>	
1nt deletion	CCTCTACCCACCTGGATCGGCCTCCGACCGTAACTA_TCGGTGC GTTGGGCAGCGCCCCCGCCTCCAGCAGCGCCCCGCAC	702 reads
	CCTCTACCCACCTGGATCGGCCTCCGACCGTA_CTATTCGGTGC GTTGGGCAGCGCCCCCGCCTCCAGCAGCGCCCCGCAC	
1nt insertion	CCTCTACCCACCTGGATCGGCCTCCGACCGTAAACTATTCGGTGC GTTGGGCAGCGCCCCCGCCTCCAGCAGCGCCCCGCAC	
2nt deletion	CCTCTACCCACCTGGATCGGCCTCCGACCGTAA__ATTCGGTGC GTTGGGCAGCGCCCCCGCCTCCAGCAGCGCCCCGCAC	
4nt deletion	CCTCTACCCACCTGGATCGGCCTCCGACCGTAA____CGGTGC GTTGGGCAGCGCCCCCGCCTCCAGCAGCGCCCCGCAC	
	CCTCTACCCACCTGGATCGGCCTCCGACCGTA____TTCGGTGC GTTGGGCAGCGCCCCCGCCTCCAGCAGCGCCCCGCAC	
5nt deletion	CCTCTACCCACCTGGATCGGCCTCCGACCGTAAAC_____GGTGC GTTGGGCAGCGCCCCCGCCTCCAGCAGCGCCCCGCAC	
<b>Indel (In frame)</b>	<b>6.9 %</b>	
3nt deletion	CCTCTACCCACCTGGATCGGCCTCCGACCGTAA___TTCGGTGC GTTGGGCAGCGCCCCCGCCTCCAGCAGCGCCCCGCAC	316 reads