

Prnp Del-8/del17 PCR program (Touch-down PCR):

1.	95 °C	3 min		
2.	95 °C	30 sec		
3.	63 °C	30 sec	dT=-0.75	} 20 cycles
4.	72 °C	10 sec		
5.	95 °C	30 sec		} 18 cycles
6.	48 °C	30 sec		
7.	72 °C	10 sec		
8.	72 °C	10 min		
9.	4 °C	pause		

Primers:

1. Forward: ATCATGGCGAACCTTGGCT
2. Reverse: GGCTTTGGCCGCTTTTTGC

Expected band size:

- $\Delta 8/\Delta 8$: ~80bp
- wt / $\Delta 8$: ~90bp and 110bp (2 bands)
- wt/wt: ~90bp

Sequences: 8 base pairs different

Prnp wt:

ATGGCGAACCTTGGCTACTGGCTGCTGGCCCTCTTTGTGACTATGTGGACTGATGTCGGCCTCT
GCAAAAAGCGGCCAAAGCCTGGAGGG

Prnp $\Delta 8$

ATGGCGAACCTTGGCTACTGGCTGCTGGCCCTCTTTGTGGACTGATGTCGGCCTCTGCAAAAAG
CGGCCAAAGCCTGGAGGG