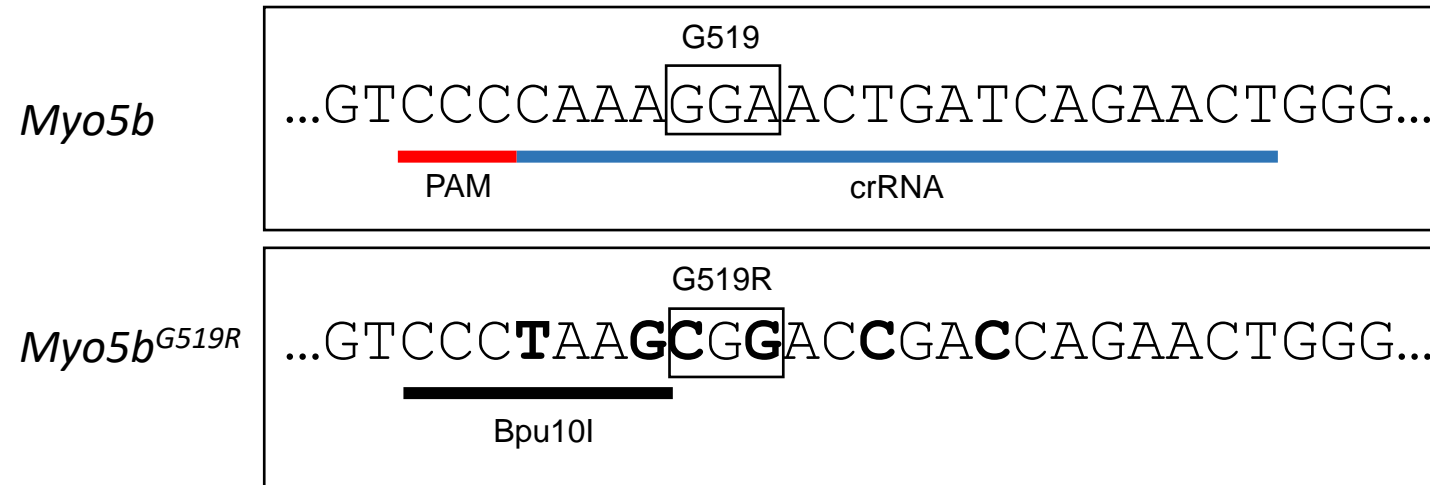
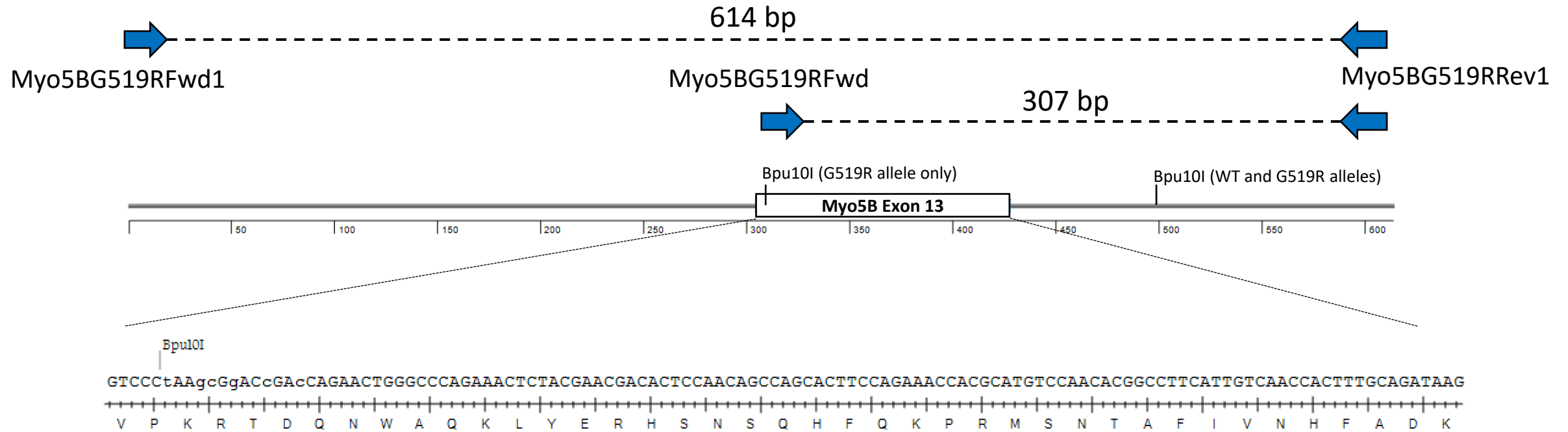


CRISPR genome editing design:



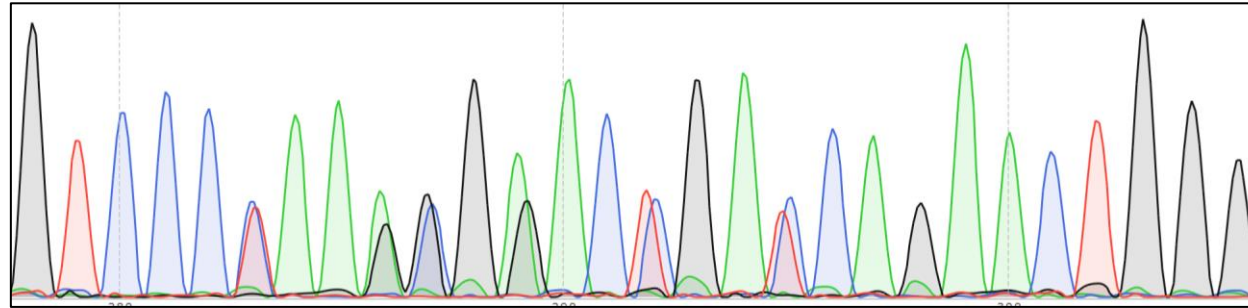
Genotyping assay diagram:



Bpu10I cleavage products for 614 bp Myo5BG519RFwd1-Rev1 PCR assay:

WT = 499 and 115 bp

Myo5B G519R = 310, 189, 115 bp



Myo5B WT: GTCCCCAAAGGAAC TGATCAGAACTGGG
Myo5B G519R: GTCCCT**AAGCGG**AC**CGA**CCAGAACTGGG
G519R