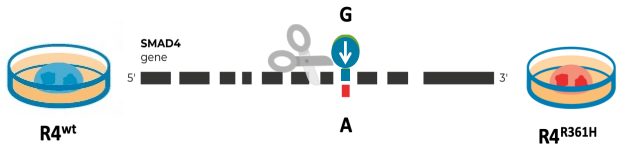
A



Targeted sequence with SMAD4 specific sgRNA

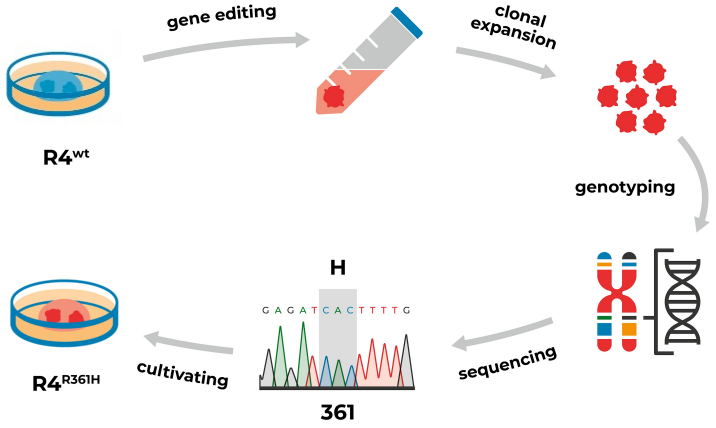
sgRNA I SMAD4 PAM G to A

5' TCCTTCAAGCTGCCCTATTGTTACTGTTGATGGATACGTGGACCCTTCTGGAGGAGATCGCTTTTGTTTGGGTCAACTCTCCAATGTCCACAGGACAGAAGCCATTGAGAGAGCAAGGT 3'

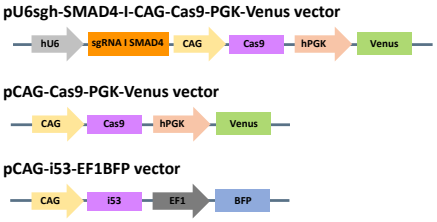
ssODN as repair template bearing the point mutation

5' TCCTTCAAGCTGCCCTATTGTTACTGTTGATGGATACGTGGACCCTTCTGGAGGAGATCACTTTTGTTTGGGTCAACTCTCCAATGTCCACAGGACAGAAGCCATTGAGAGAGCAAGGT 3'

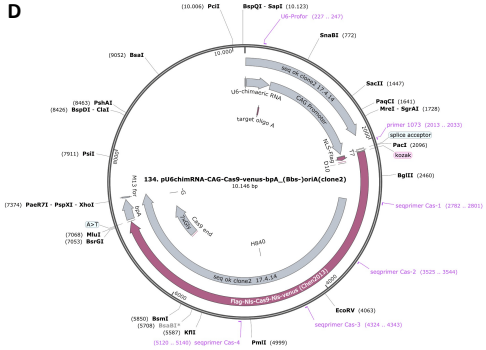
B



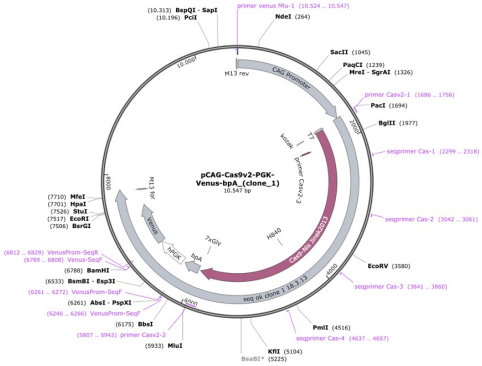
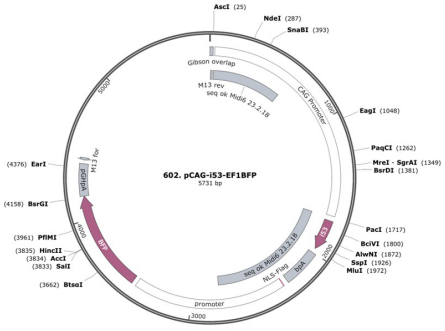
C



D



E



F