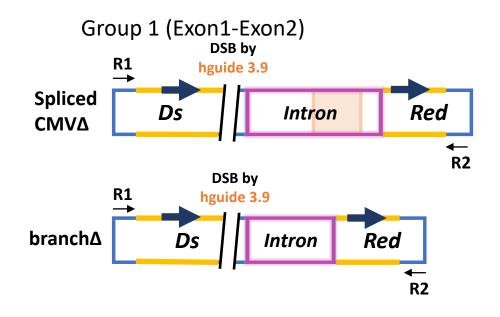
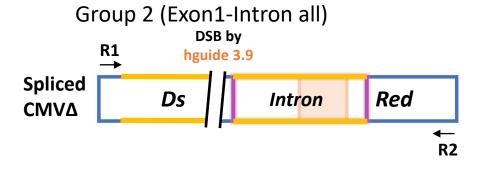
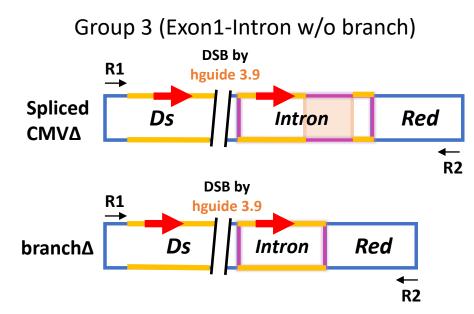
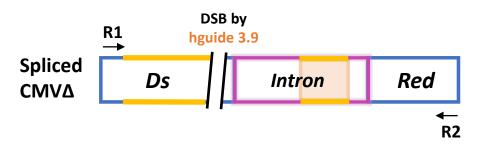
Scheme for 1 DSB by hguide 3.9 (Yellow line indicates possible positions of microhomology for each groups)



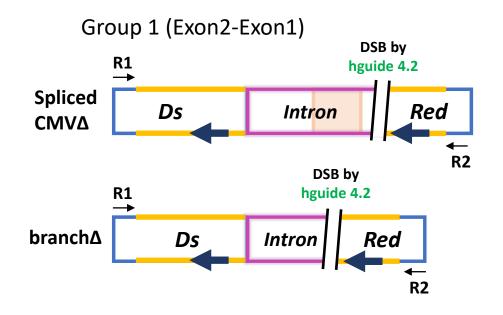


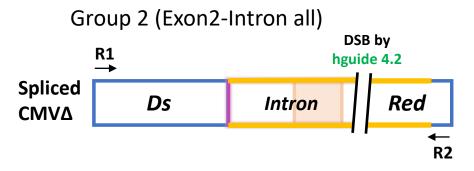


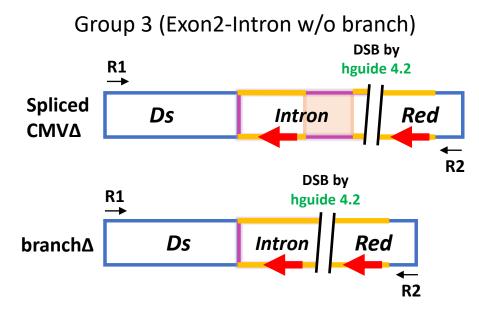
Group 4 (Exon1-branch site)

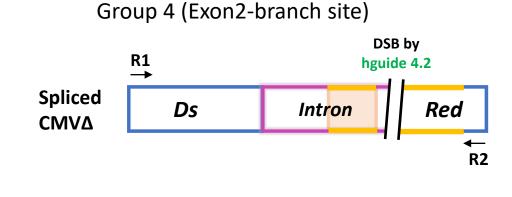


Scheme for 1 DSB by hguide 4.2 (Yellow line indicates possible positions of microhomology for each groups)

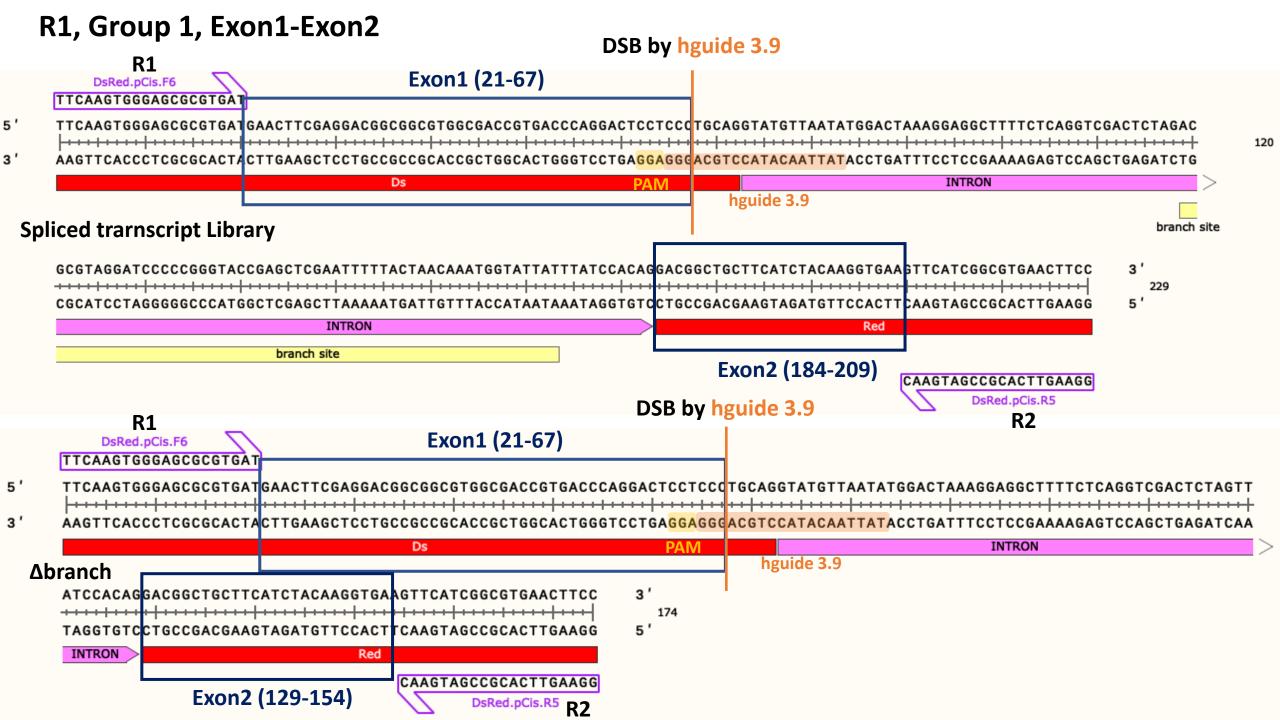




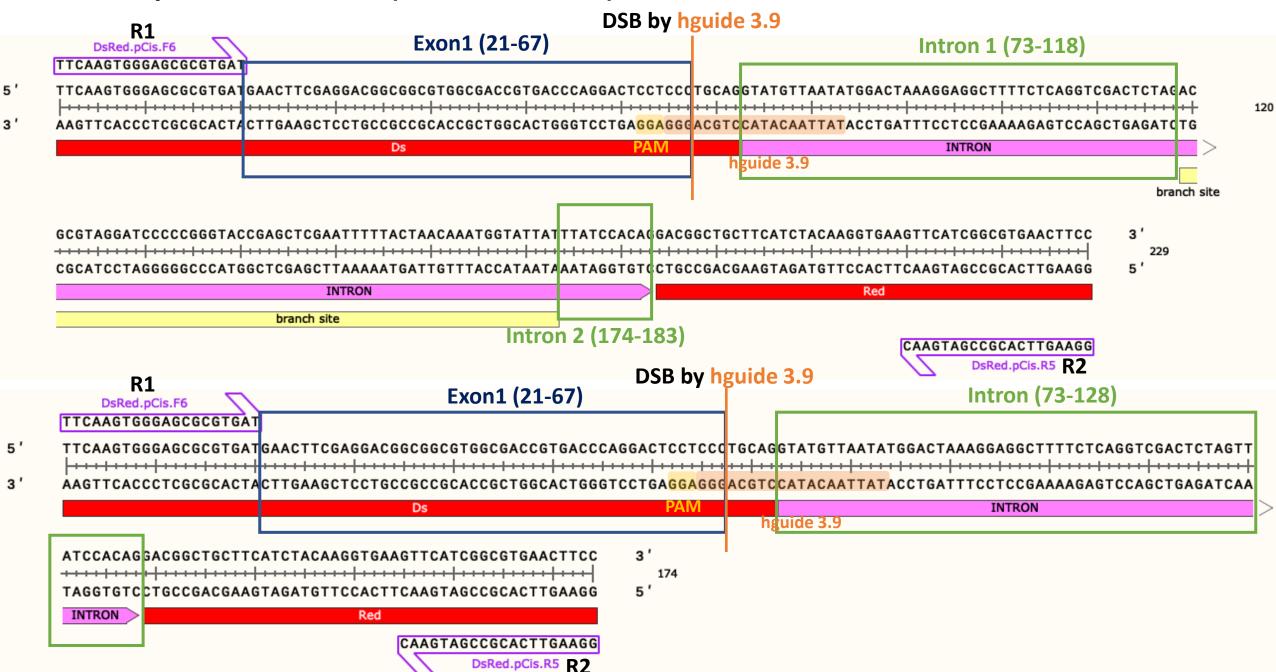




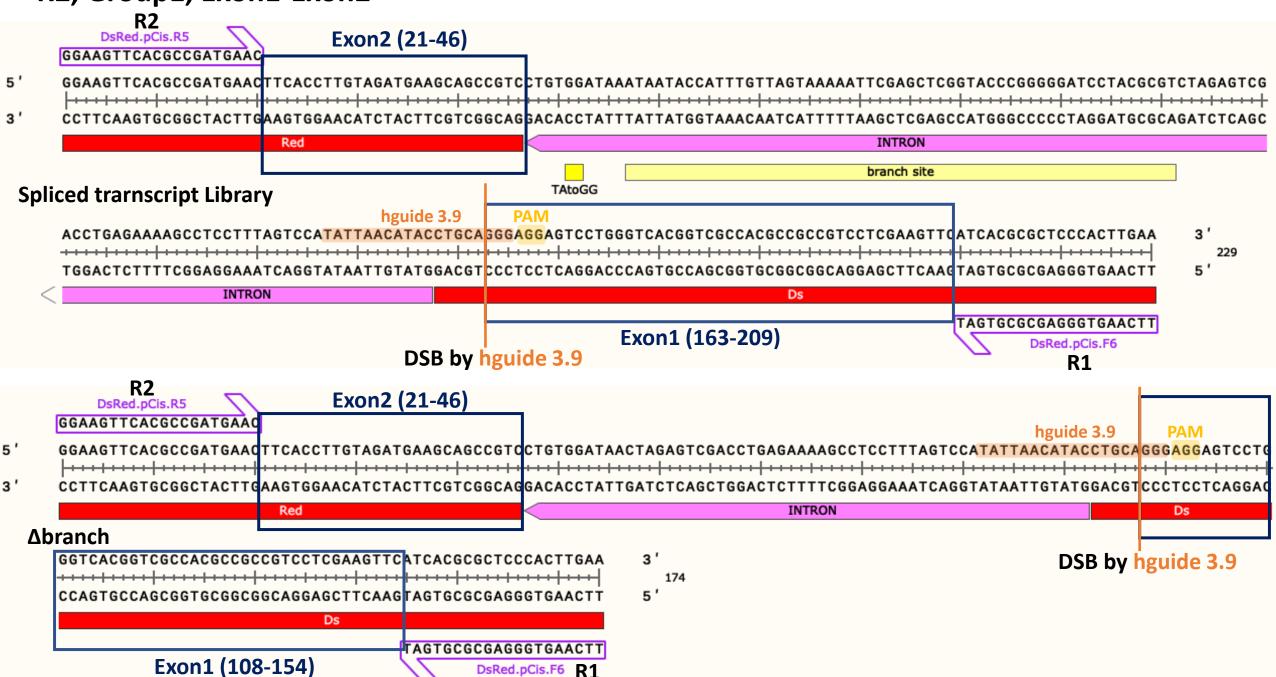
1 DSB by hguide 3.9



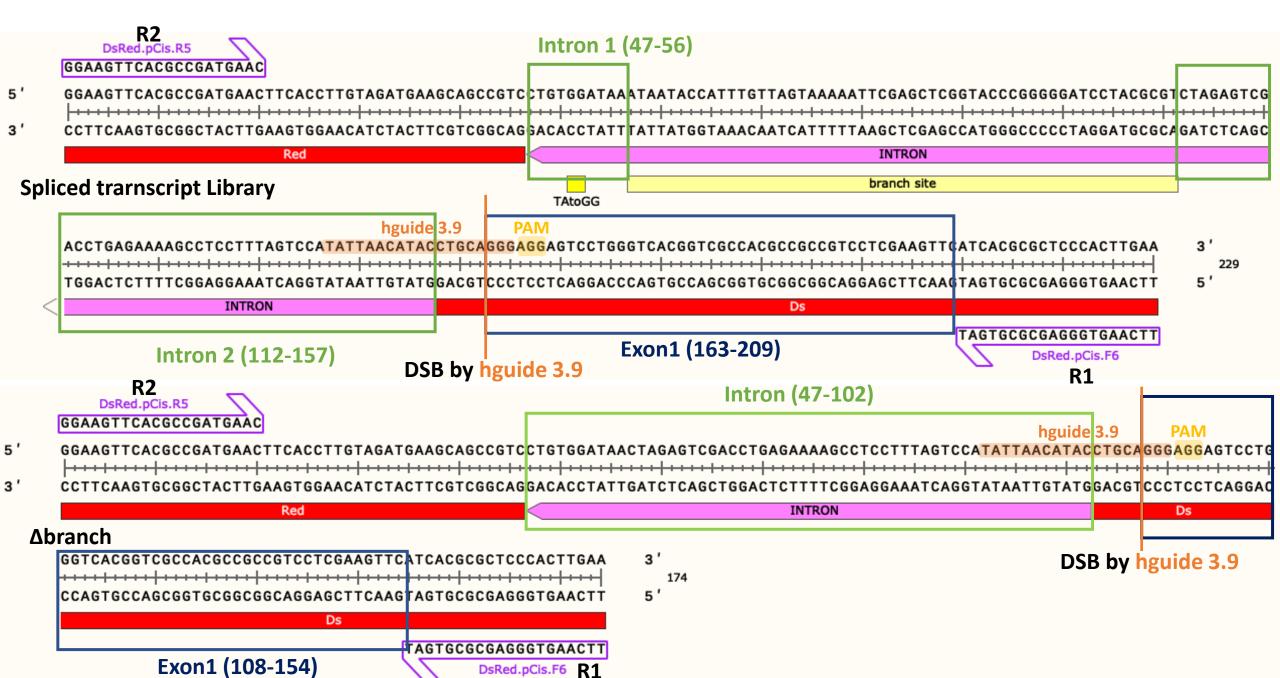
R1, Group 3, Exon1-Intron (w/o branch site)



R2, Group1, Exon1-Exon2

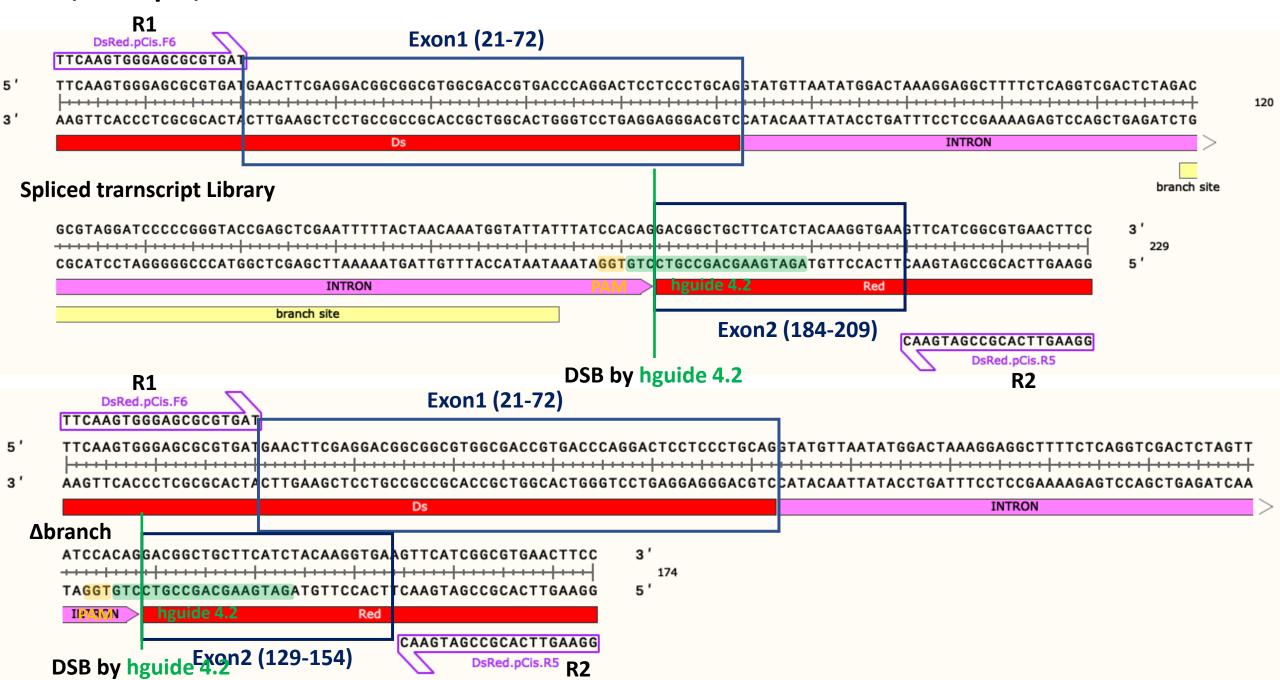


R2, Group 3, Exon1-Intron (w/o branch site)

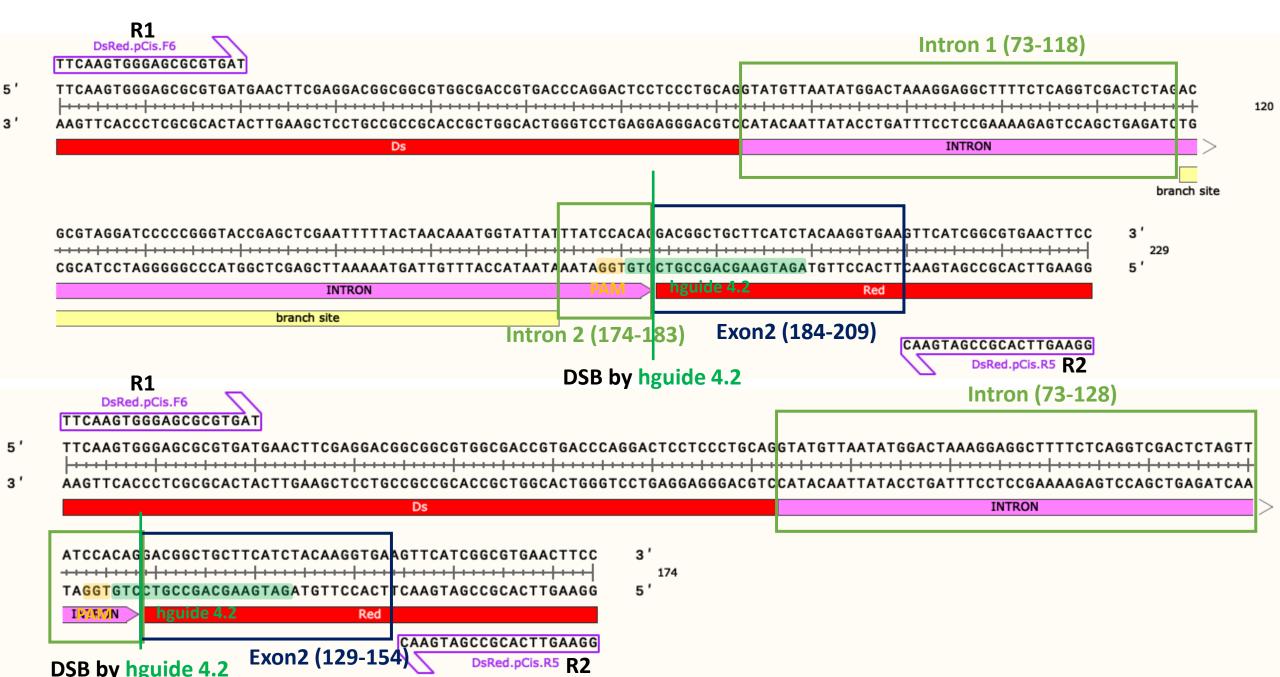


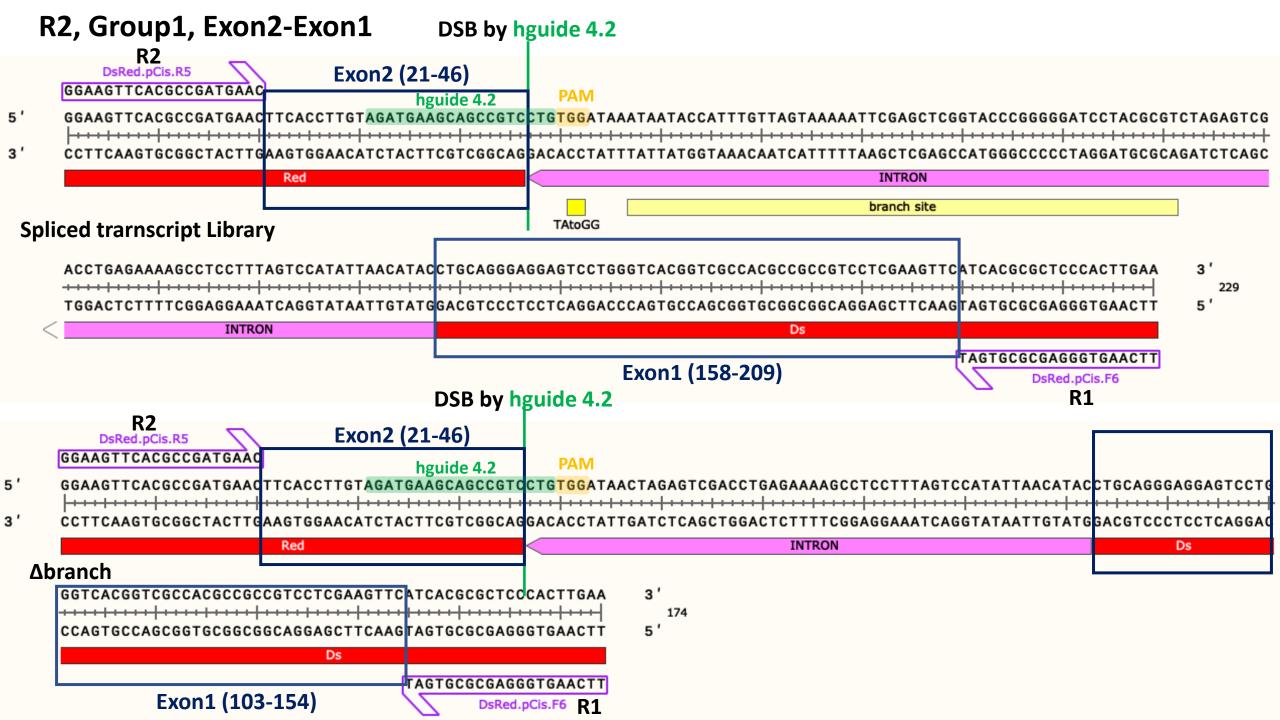
1 DSB by hguide 4.2

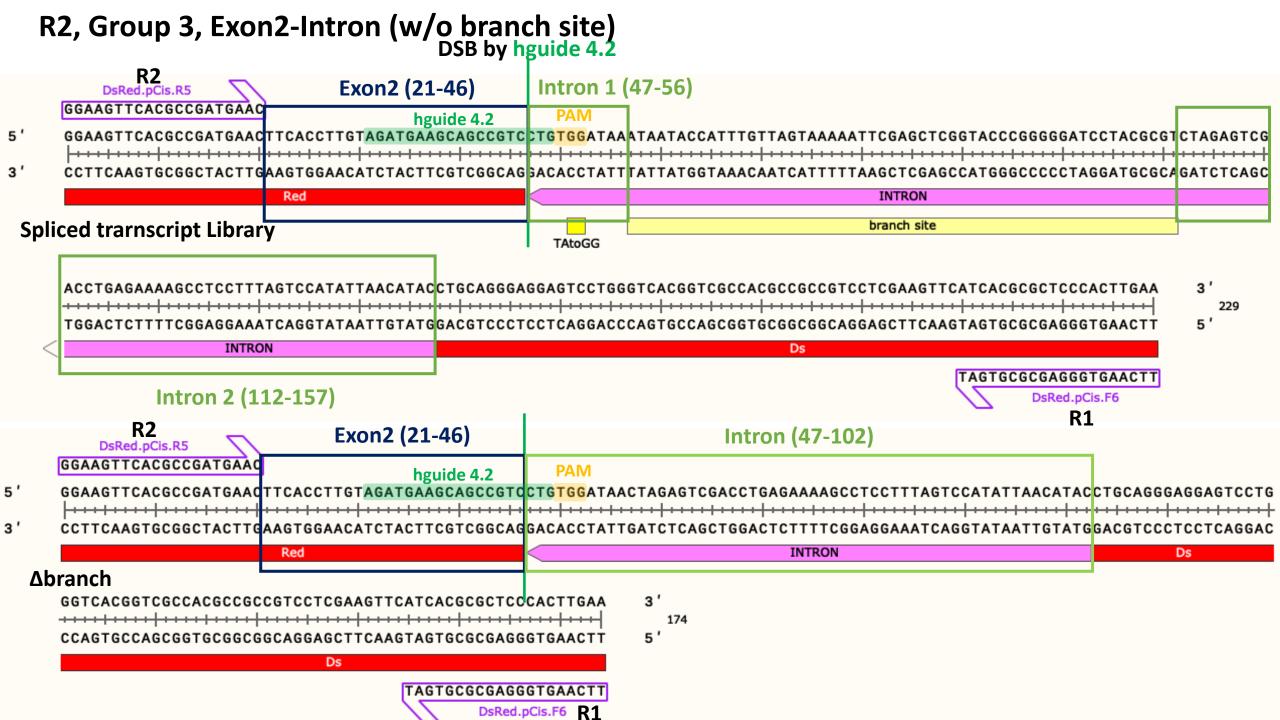
R1, Group 1, Exon2-Exon1



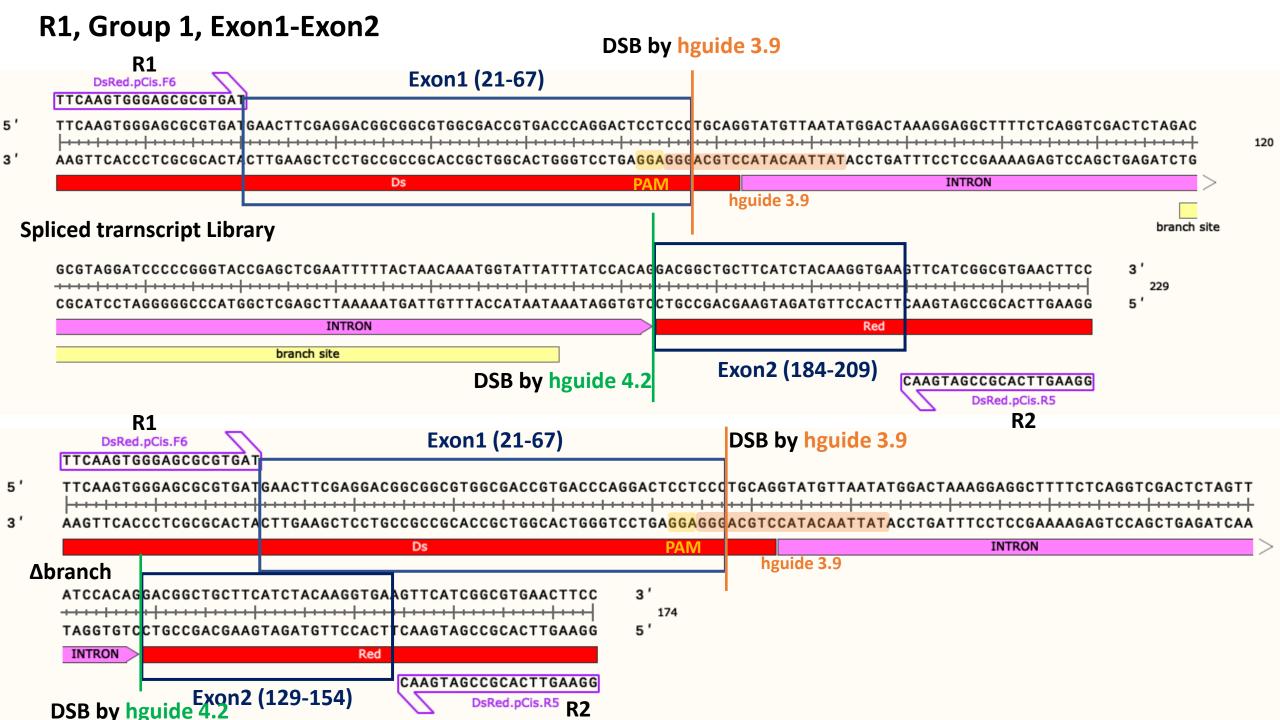
R1, Group 3, Exon2-Intron (w/o branch site)

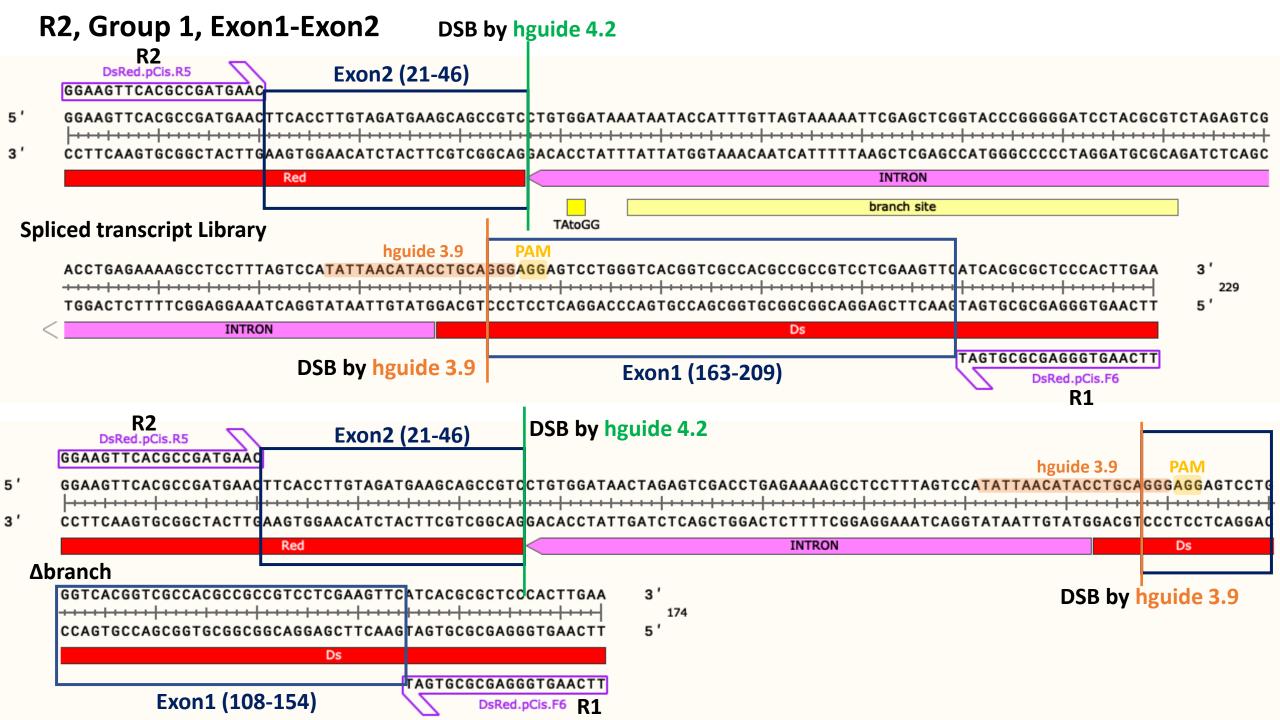






2 DSBs by hguide 3.9 + 4.2





Antisense plasmids 2 DSBs

