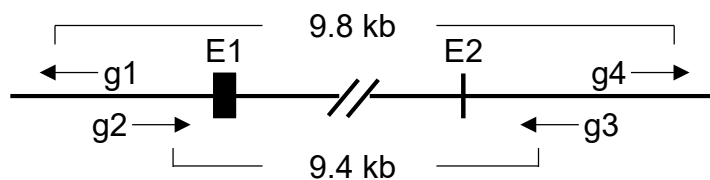


Figure S2

A



B

Remnant of g1 Remnant of g4



Perfect Junction GGGCGGGTACTAAGGTGGGCTCCATCCCTGAGCCCAAGGCGGGCCGACAAGCTGCAGCGTGTCCCCG**GT**GTAGGGTGGGAATGAAGGCTCCTGTTTTCTTCCCTACCCAGTGTCC
 Lrp1^{KO}R1 GGGCGGGTACTAAGGTGGGCTCCATCCCTGAGCCCAAGGCGGGCCGACAAGCTGCAGCGTGTCCCC-----GCTCTGTTTTCTTCCCTACCCAGTGTCC
 Lrp1^{KO}R3 GGGCGGGTACTAAGGTGGGCTCCATCCCTGAGCCCAAGGCGGGCCGACAAGCTGCAGCGTGTCCCCG**GT**GTAGGGTGGGAATGAAGGCTCCTGTTTTCTTCCCTACCCAGTGTCC
 Lrp1^{KO}R5 GGGCGGGTACTAAGGTGGGCTCCATCCCTGAGCCCAAGGCGGGCCGACAAGCTGCAGCGTGTCCCCG**GT**GTAGGGTGGGAATGAAGGCTCCTGTTTTCTTCCCTACCCAGTGTCC
 Lrp1^{KO}R6 GGGCGGGTACTAAGGTGG-----GCTCTGTTTTCTTCCCTACCCAGTGTCC

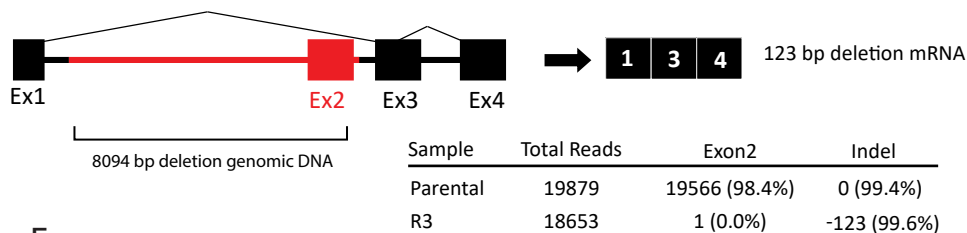
C

Remnant of g2 Remnant of g3

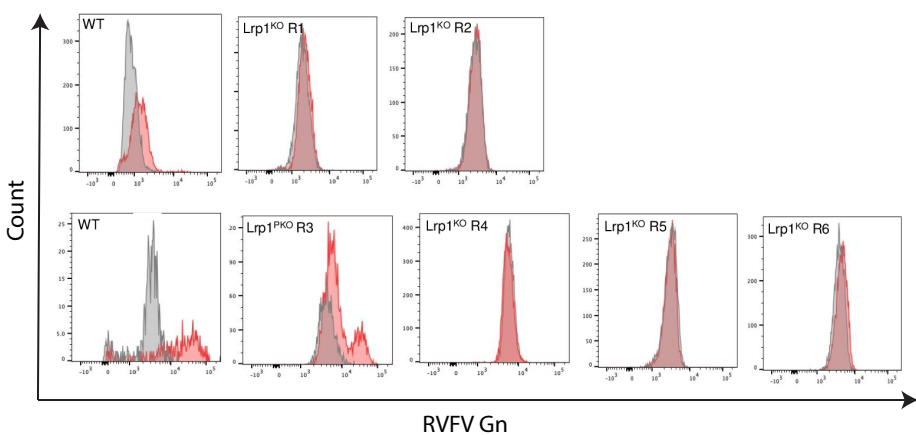
Perfect Junction GGGTTTCCCAAGGAAATCAGGCCTCCGCCTAGACAGCGGCTCGGGACCCCA**TT**TAAGTGGTGTAAATCAGAGGCAGCTGTTTAAACTGGGAGAAAGGTCCCCACCCAGCCTTCACCC
 Lrp1^{KO}R1 GGGTTTCCCAAGGAAATCAGGCCTCCGCCTAGACAGCGGCTCGGGACCCCA**(NN)**TAAGTGGTGTAAATCAGAGGCAGCTGTTTAAACTGGGAGAAAGGTCCCCACCCAGCCTTCACCC
 Lrp1^{KO}R2 GGGTTTCC-----TTCACCC
 Lrp1^{KO}R2 -----additional 46 bp deletion from g2-----additional 205 bp deletion from g3-----
 Lrp1^{KO}R4 GGGTTTCCCAAGGAAATCAGGCCTCCGCCTAGACAGCGGCTCGGG-----TGTAAATCAGAGGCAGCTGTTTAAACTGGGAGAAAGGTCCCCACCCAGCCTTCACCC
 Lrp1^{KO}R4 GGGTTTCCCAAGGAAATCAGGCCTCCGCCTAGACAGCGGCTCGGGACCC-----additional 223 bp deletion from g3-----
 Lrp1^{KO}R5 GGGTTTCCCAAGGAAATCAGGCCTCCGCCTAGACAG-----AGGCAGCTGTTTAAACTGGGAGAAAGGTCCCCACCCAGCCTTCACCC
 Lrp1^{KO}R6 GGGTTTCCCAAGGAAATCAGGCCTCCGCCTAGACAGCGGCTCGGGACCCCA**TT**TAAGTGGTGTAAATCAGAGGCAGCTGTTTAAACTGGGAGAAAGGTCCCCACCCAGCCTTCACCC
 Lrp1^{KO}R3 8kb deletion from intron 1 to g3. Exon 1 is intact and Exon 2 is deleted

(NN) 223 bp downstream of g2 was kept

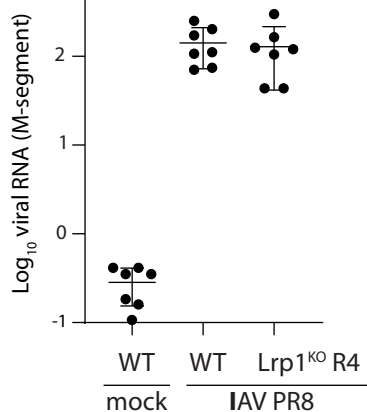
D



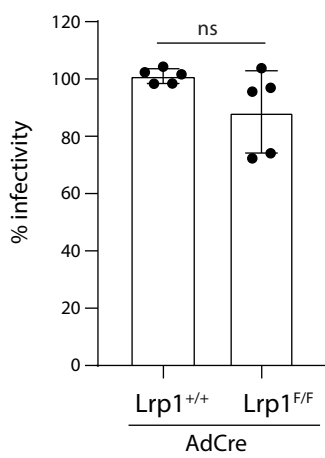
E



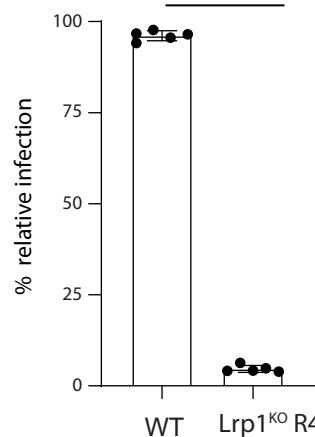
H



I



F



G

