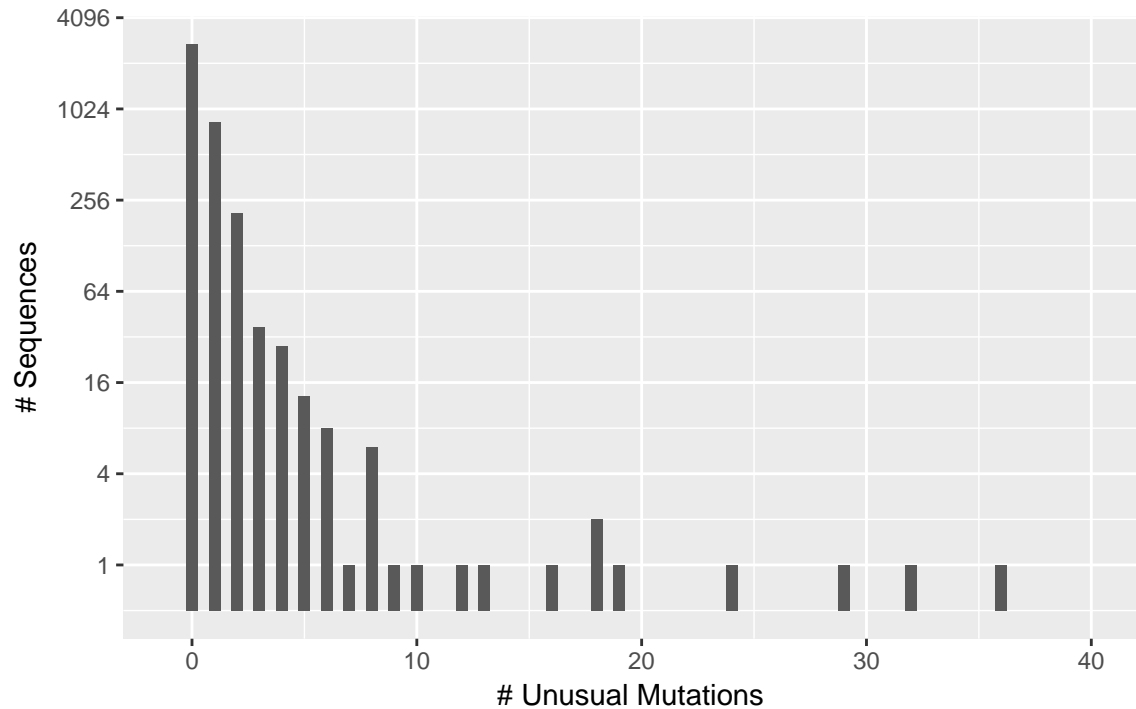
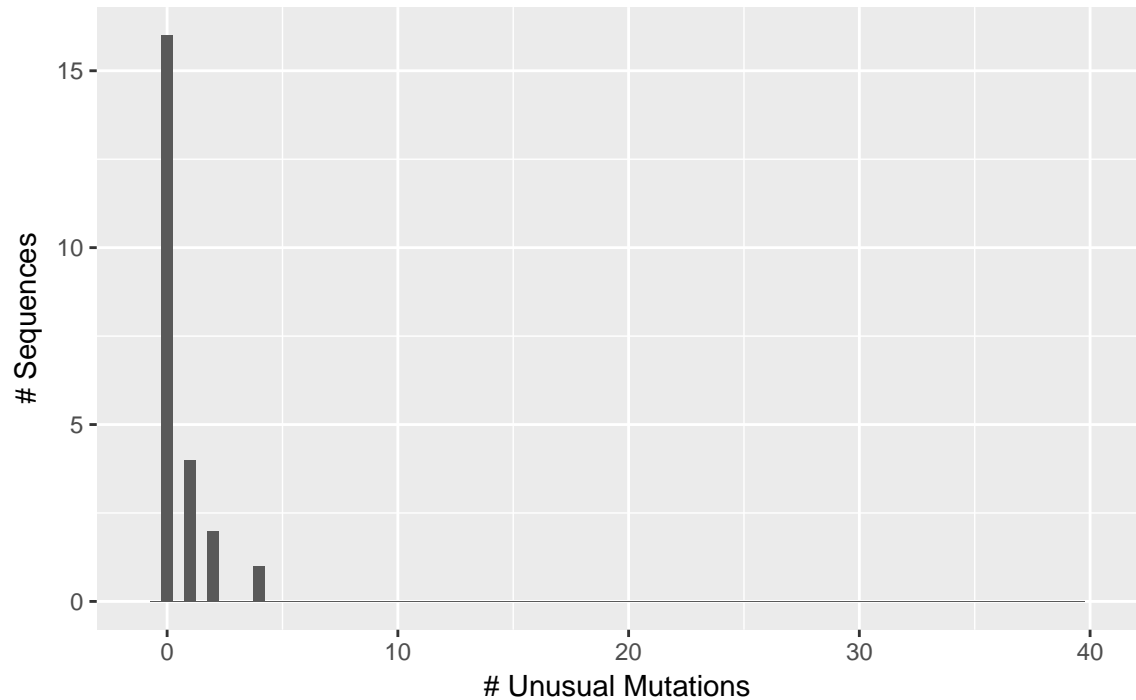


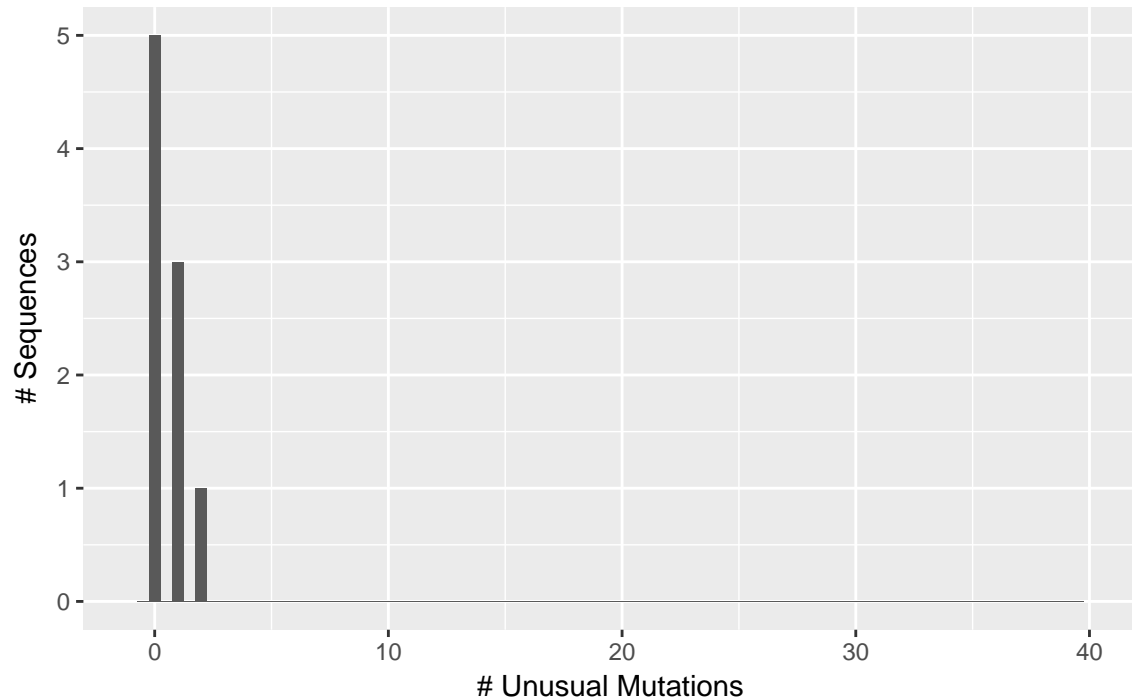
Unusual Mutations for gp41 Naive Sequences (All, n=3882)



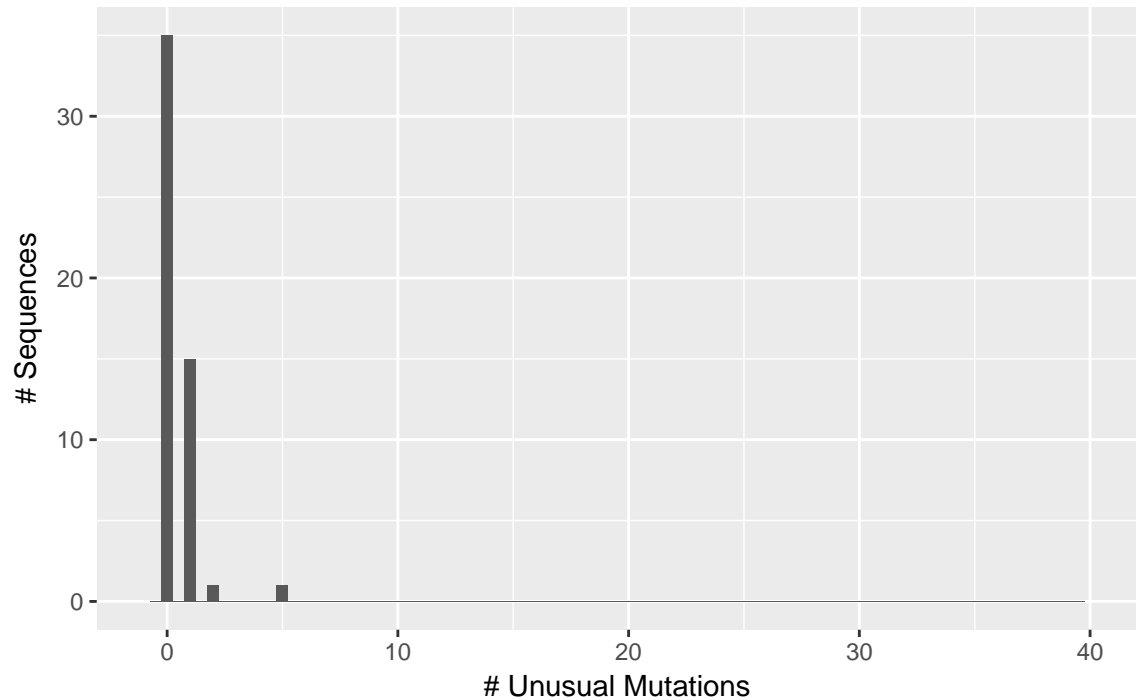
Unusual Mutations for gp41 Naive Sequences (01B, n=23)



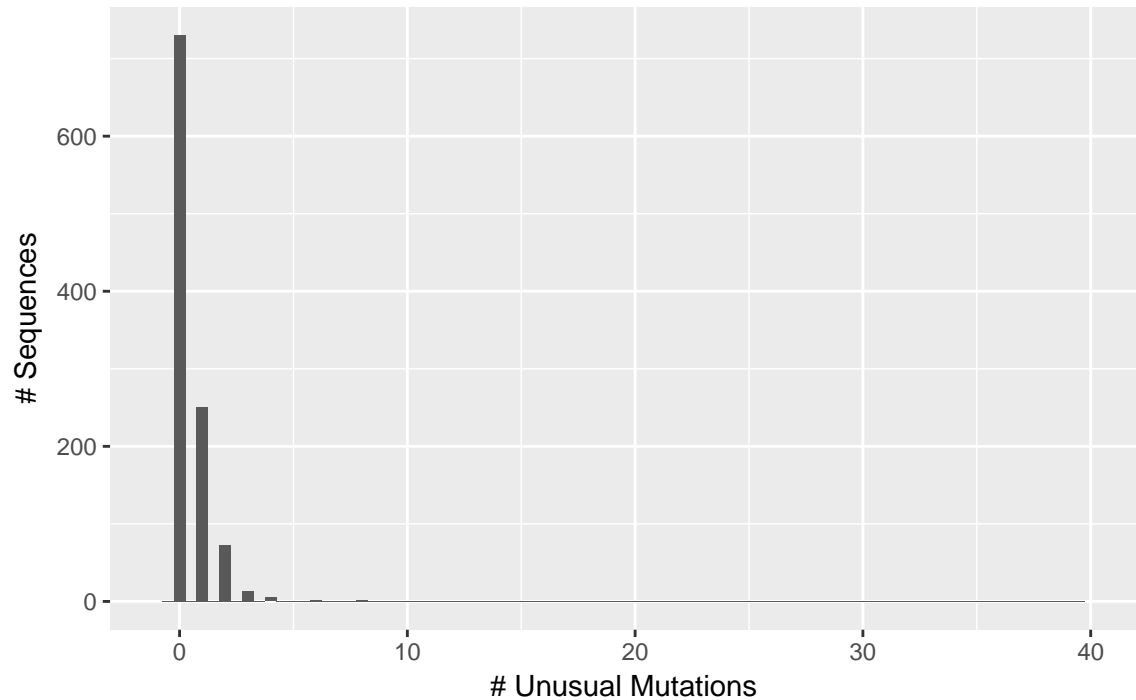
Unusual Mutations for gp41 Naive Sequences (01BC, n=9)



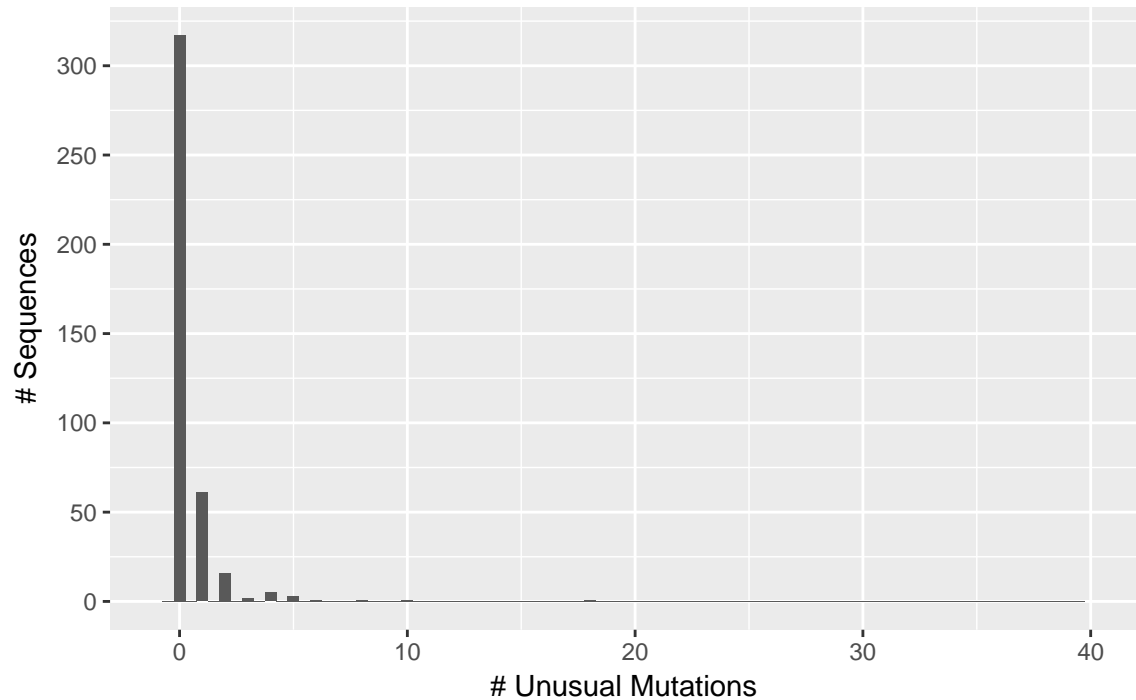
Unusual Mutations for gp41 Naive Sequences (BC, n=52)



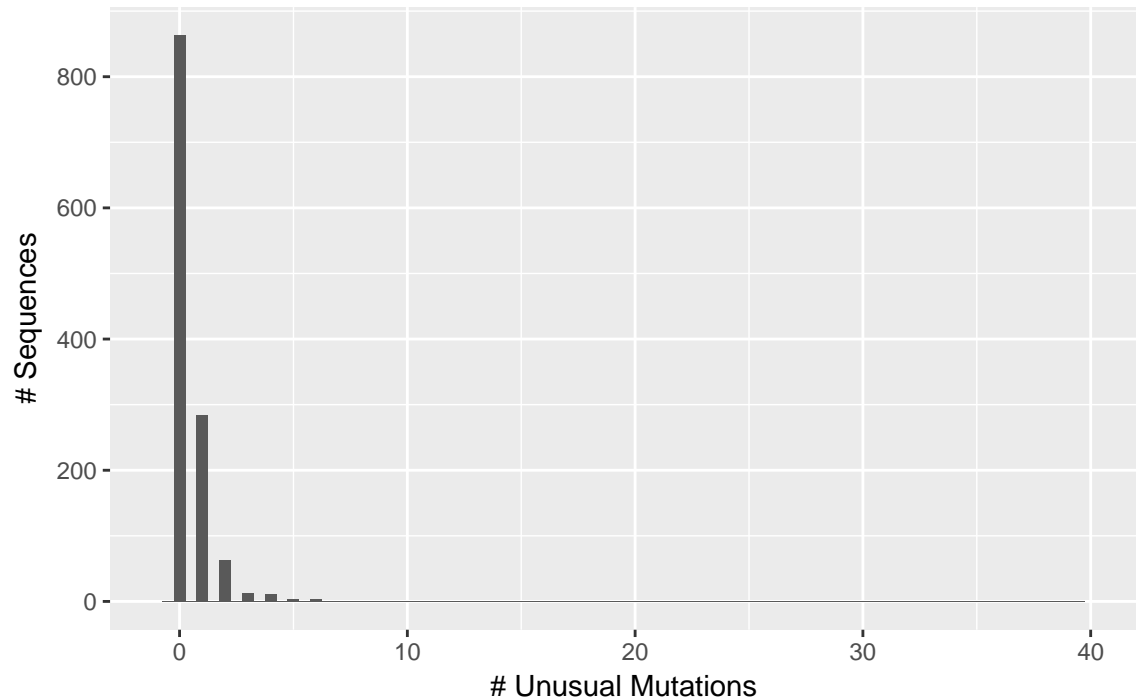
Unusual Mutations for gp41 Naive Sequences (C, n=1081)



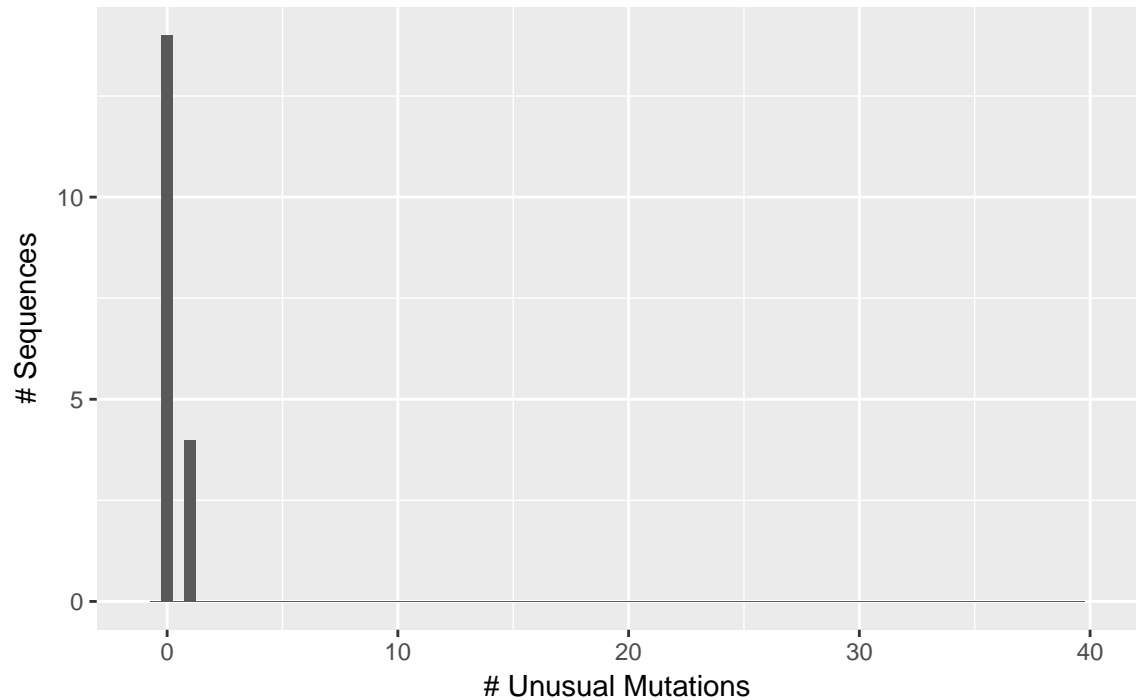
Unusual Mutations for gp41 Naive Sequences (01\_AE, n=408)



Unusual Mutations for gp41 Naive Sequences (B, n=1248)

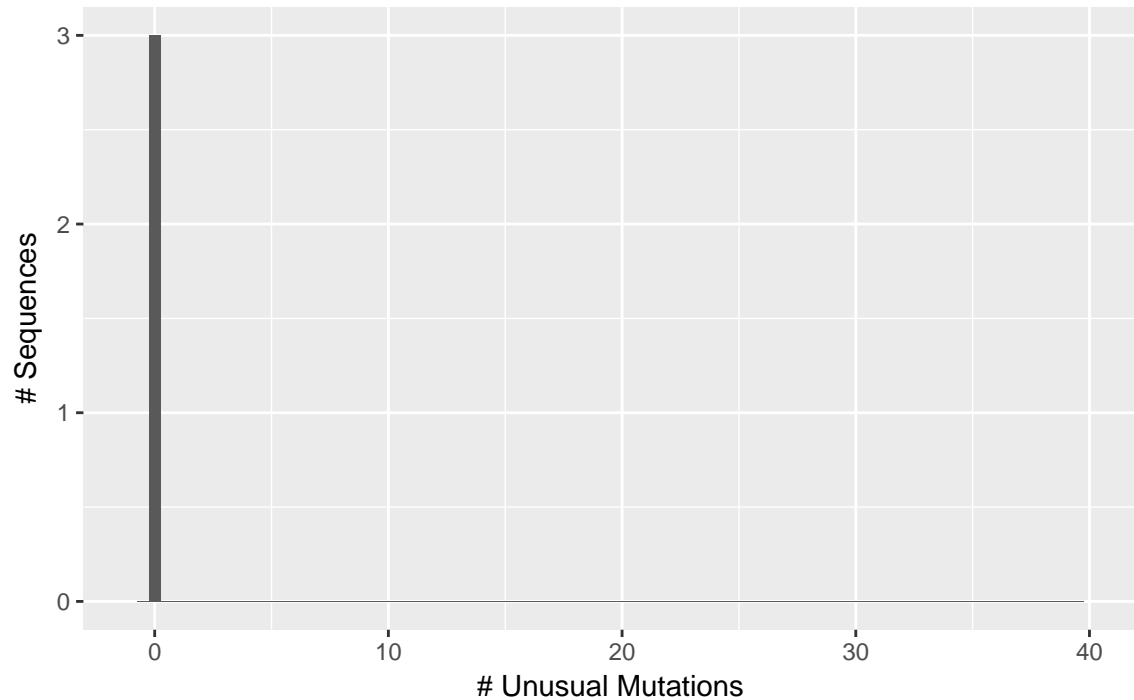


Unusual Mutations for gp41 Naive Sequences (35\_AD, n=18)

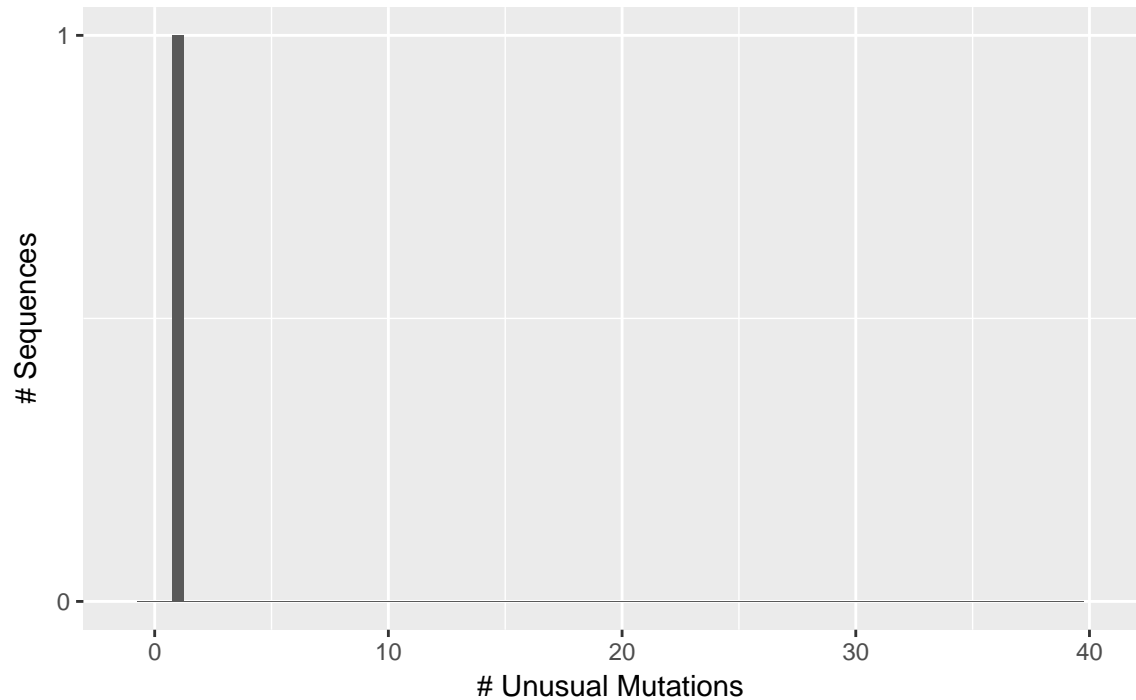




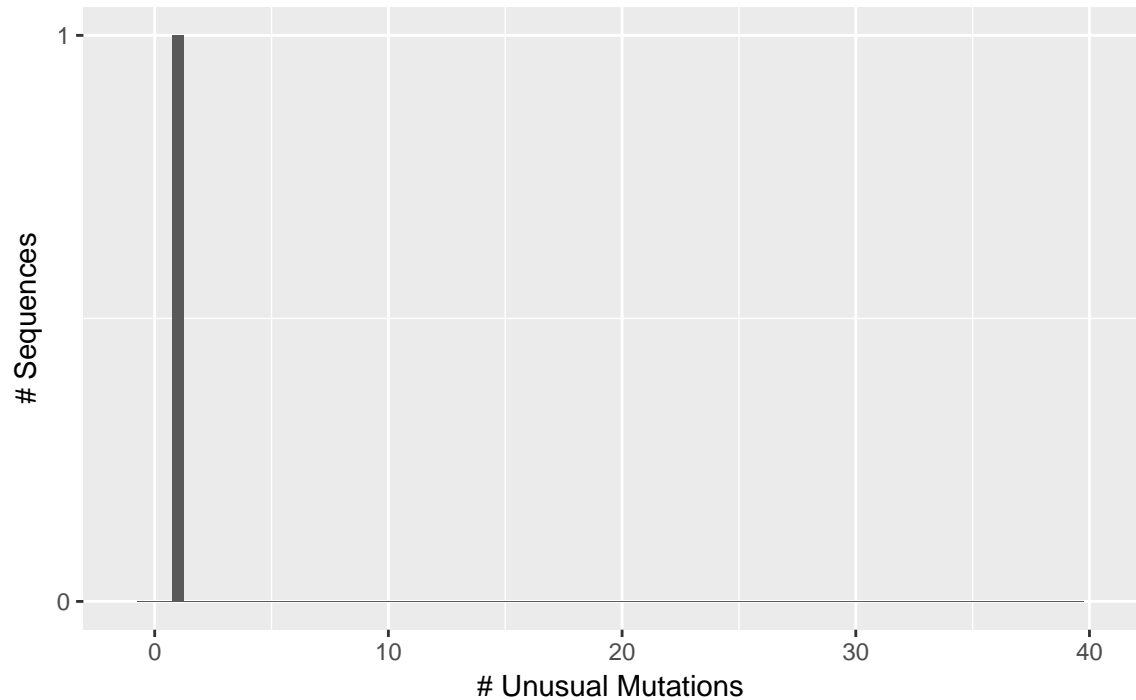
Unusual Mutations for gp41 Naive Sequences (A2, n=3)



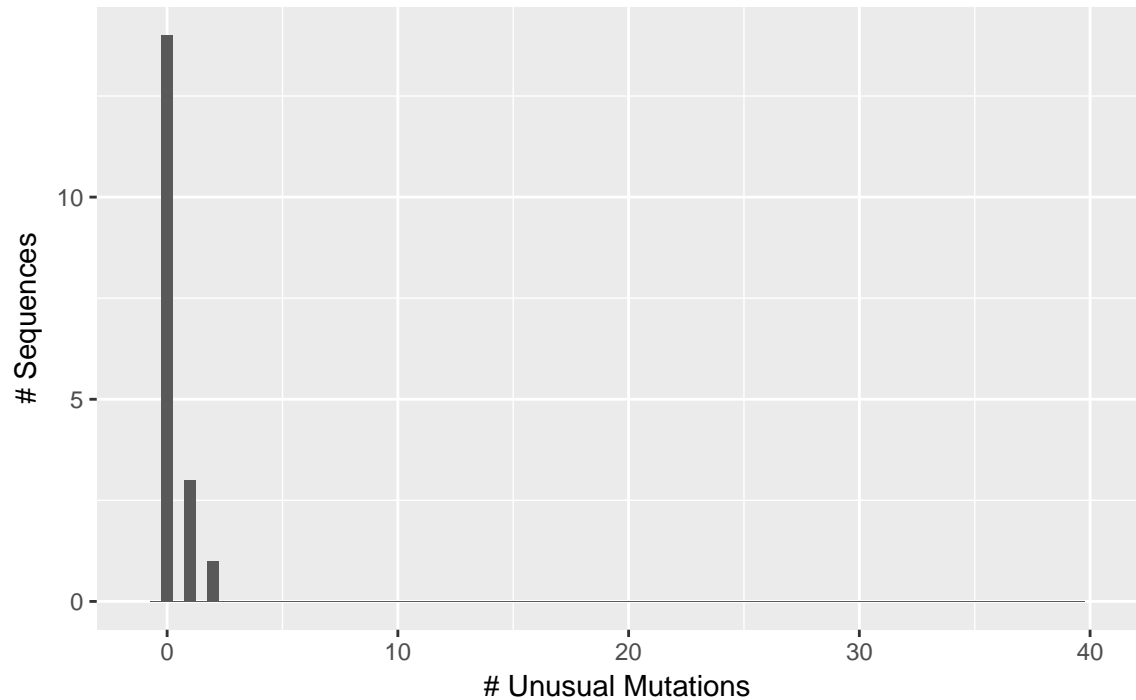
Unusual Mutations for gp41 Naive Sequences (16\_A2D, n=1)



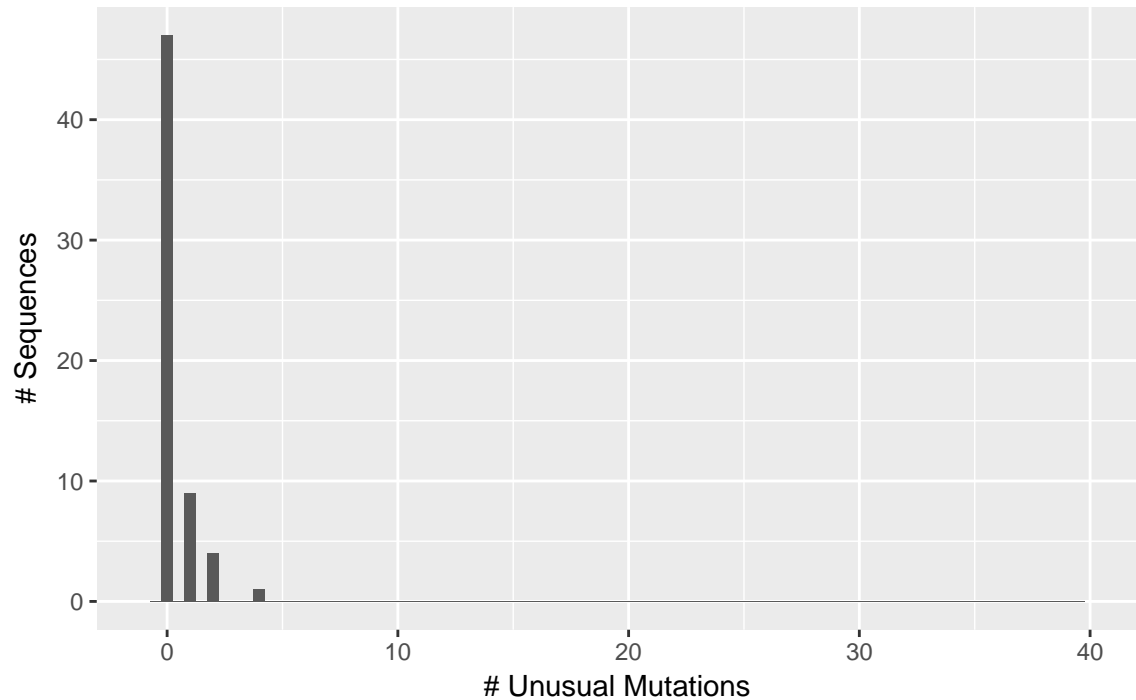
Unusual Mutations for gp41 Naive Sequences (A2G, n=1)



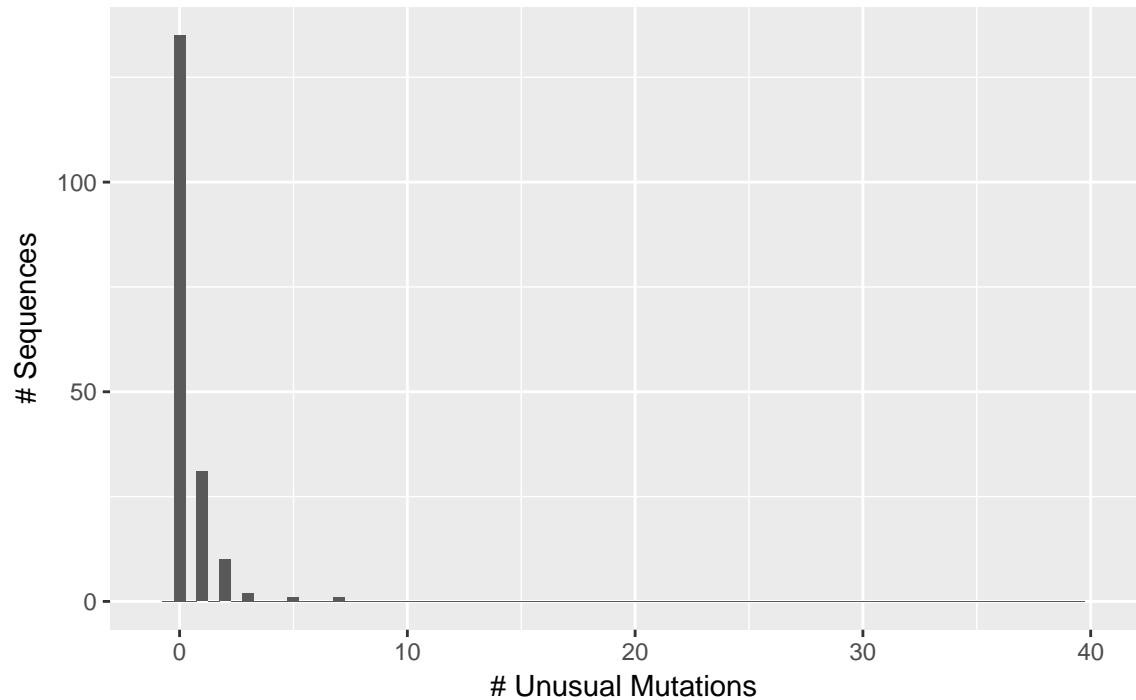
Unusual Mutations for gp41 Naive Sequences (BF, n=18)



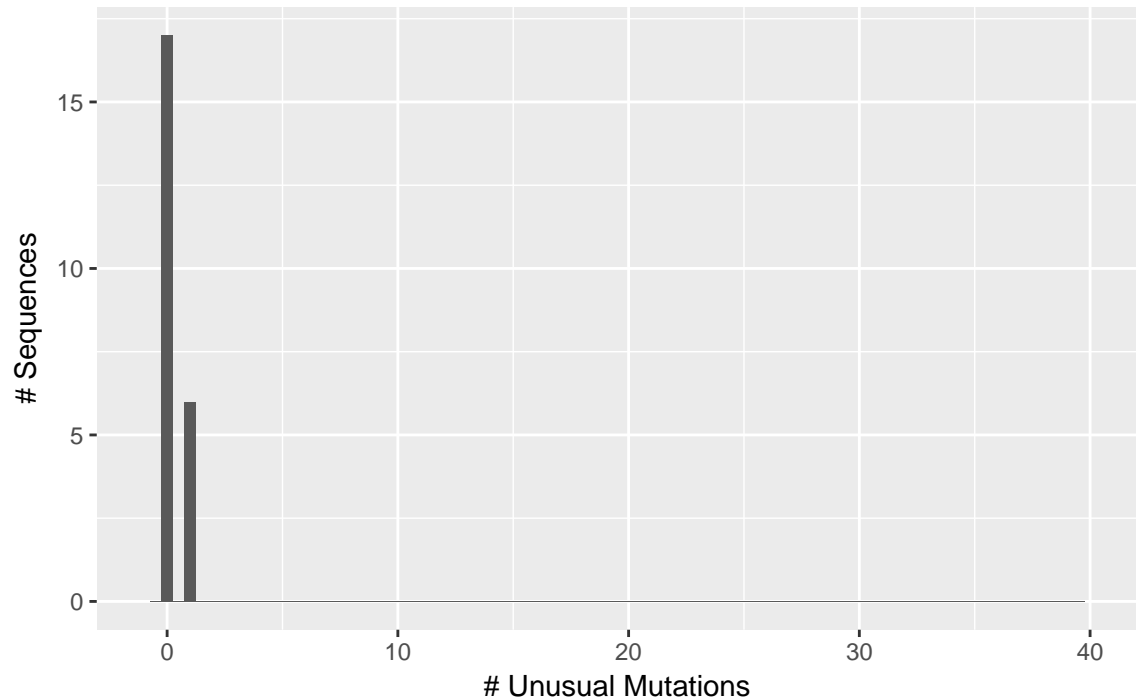
Unusual Mutations for gp41 Naive Sequences (A1C, n=61)



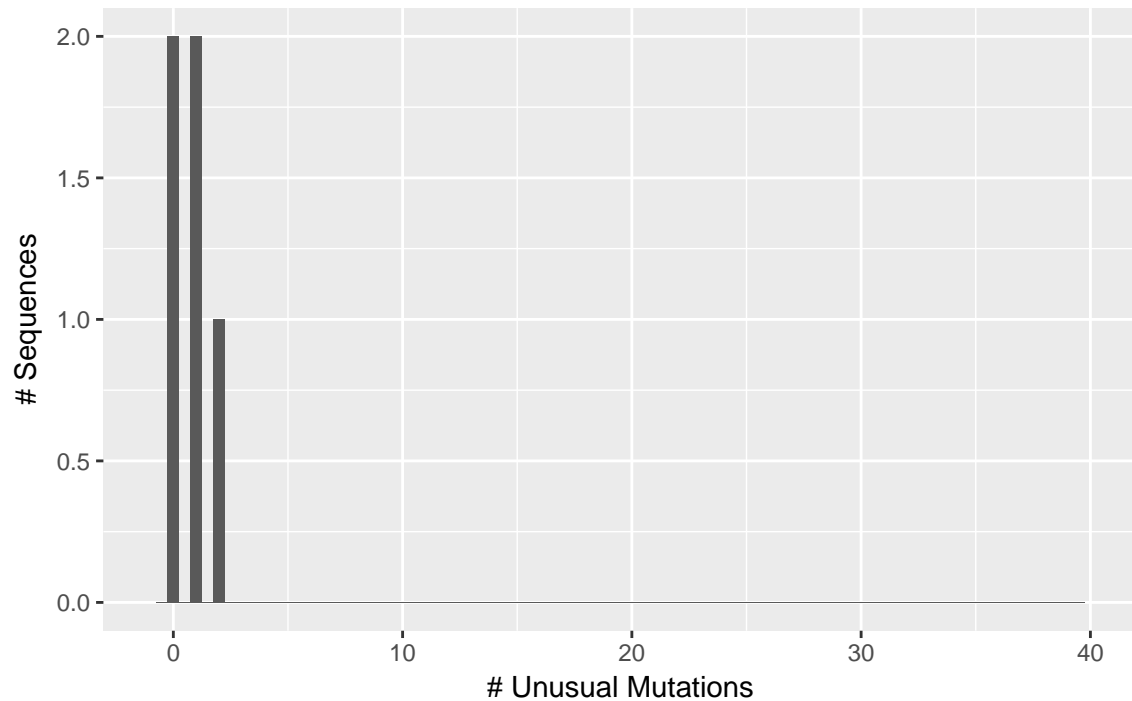
Unusual Mutations for gp41 Naive Sequences (A1, n=180)



Unusual Mutations for gp41 Naive Sequences (CD, n=23)

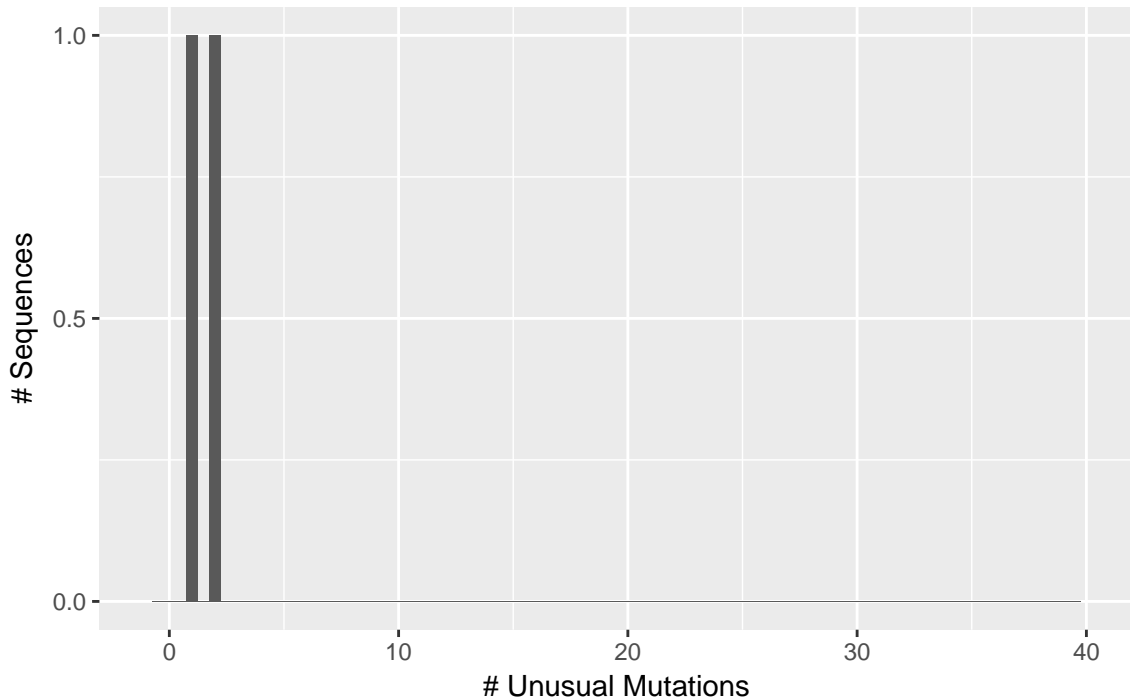


Unusual Mutations for gp41 Naive Sequences (12\_BF, n=5)

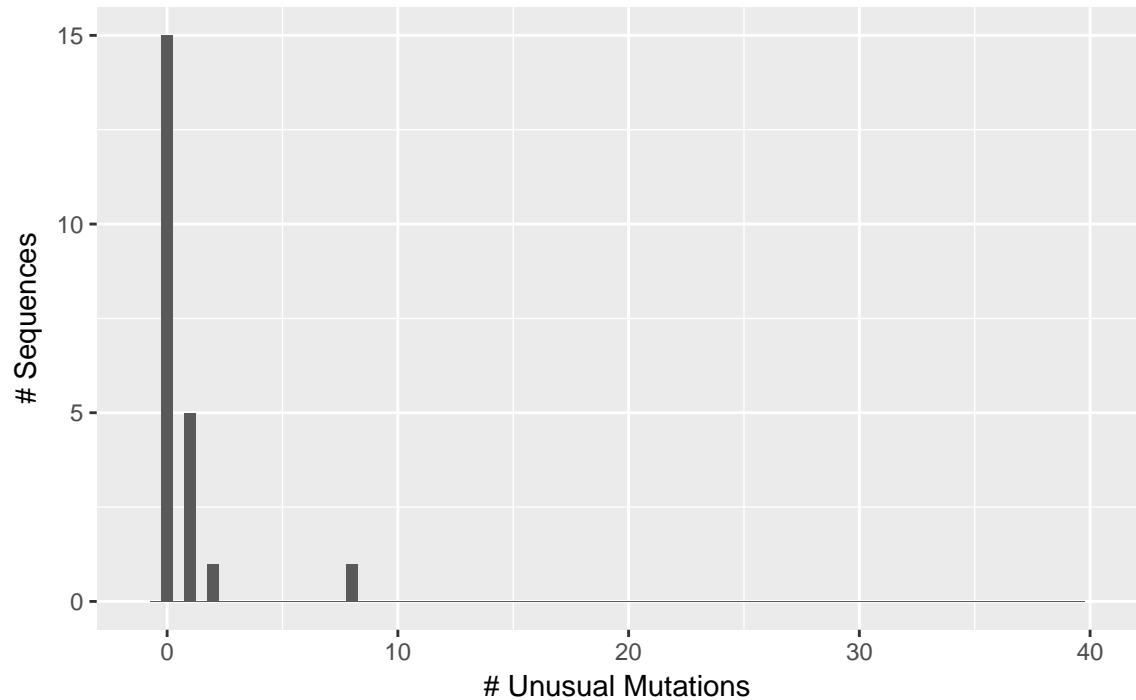




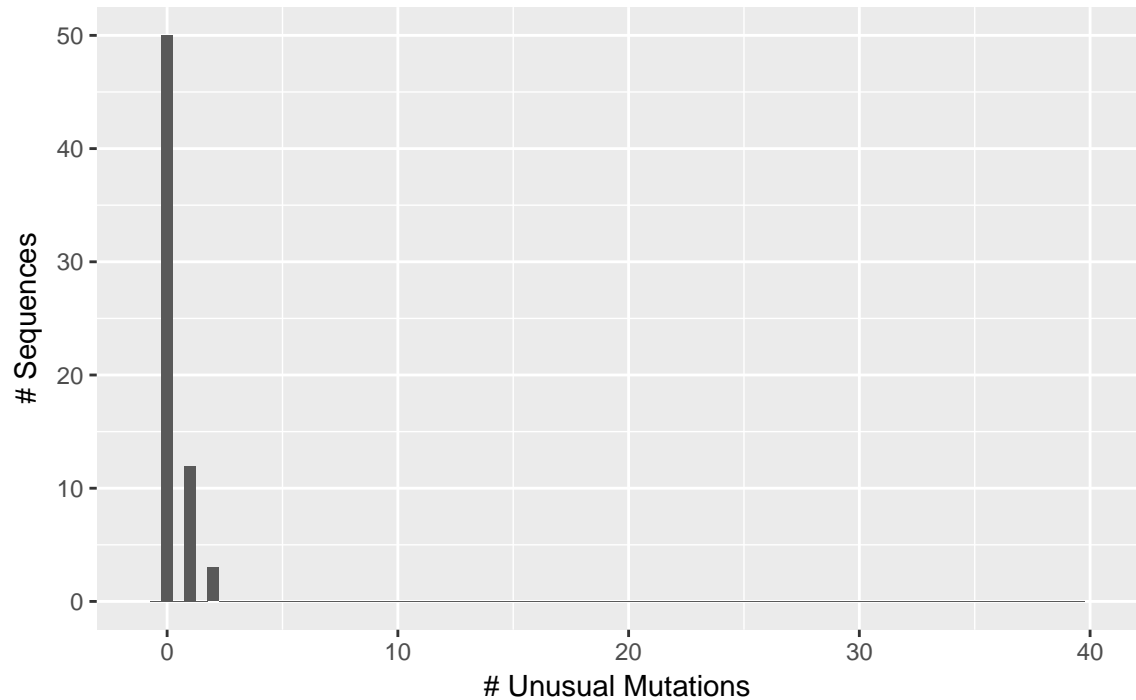
Unusual Mutations for gp41 Naive Sequences (21\_A2D, n=2)



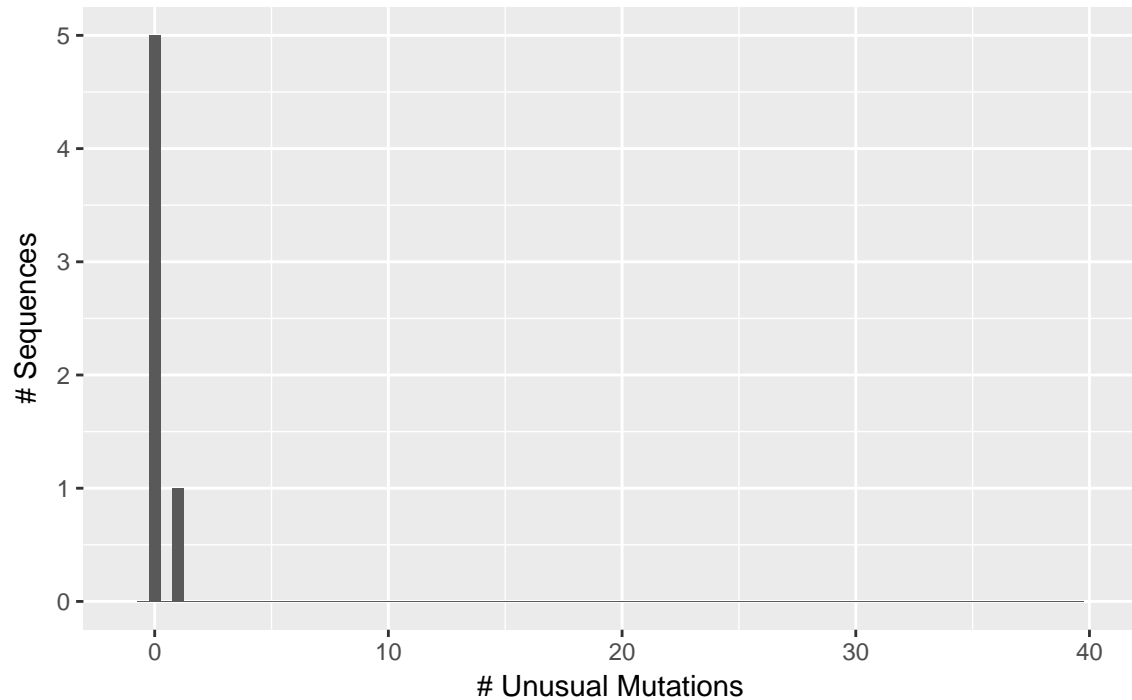
Unusual Mutations for gp41 Naive Sequences (A1CD, n=22)



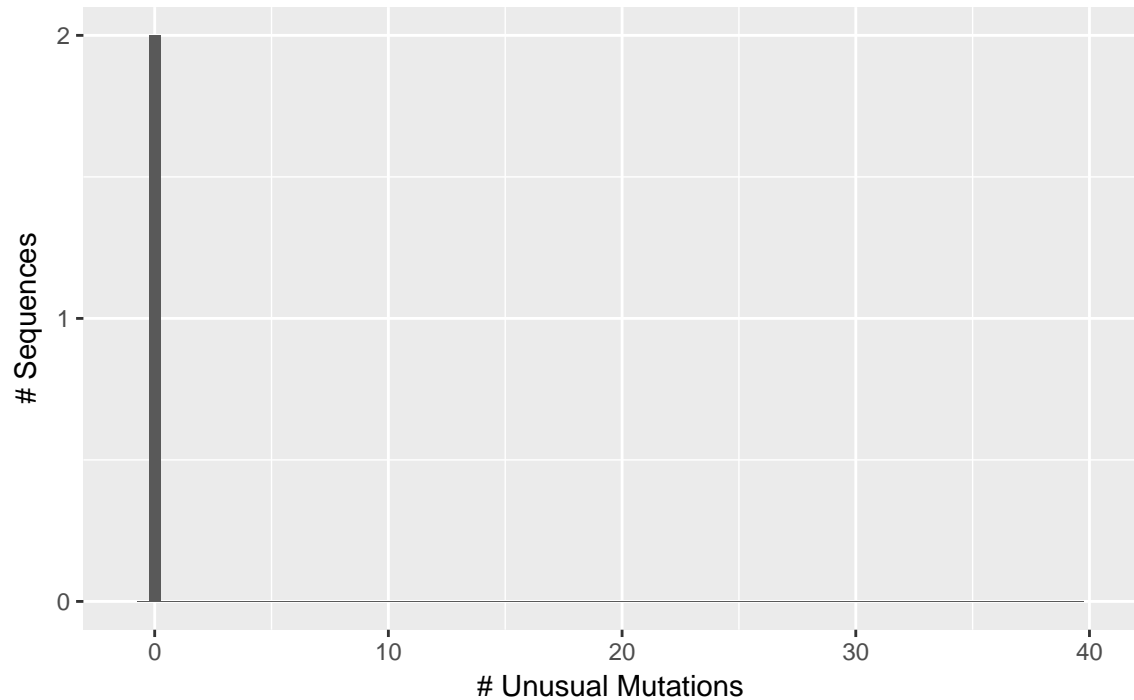
Unusual Mutations for gp41 Naive Sequences (A1D, n=65)



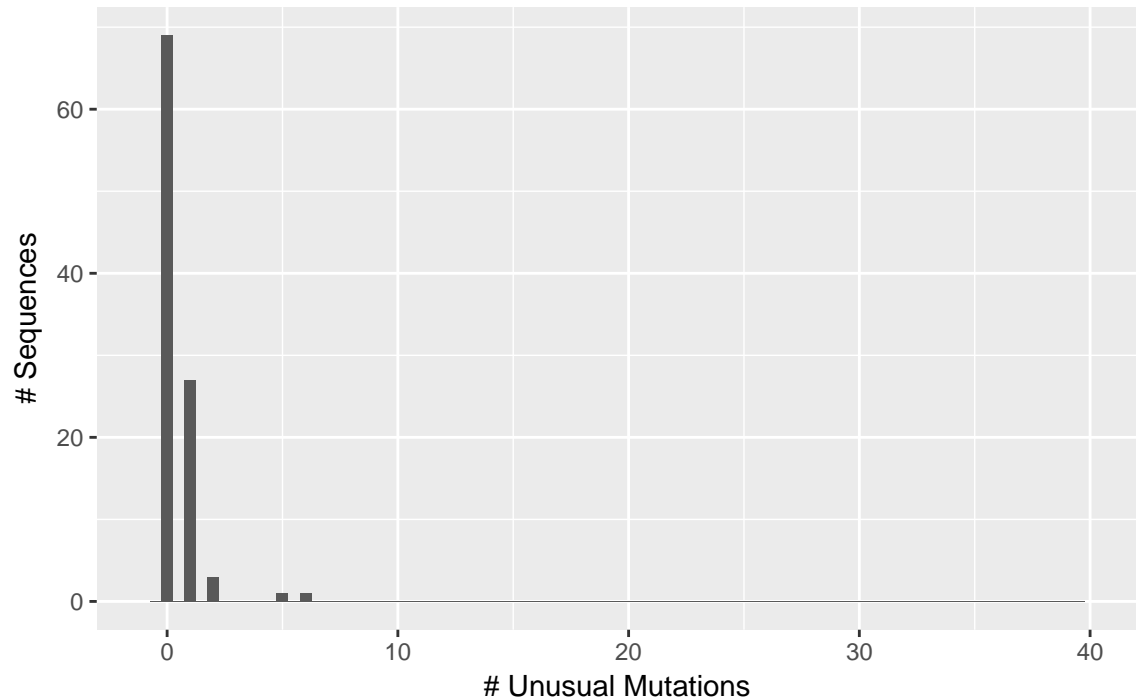
Unusual Mutations for gp41 Naive Sequences (A1G, n=6)



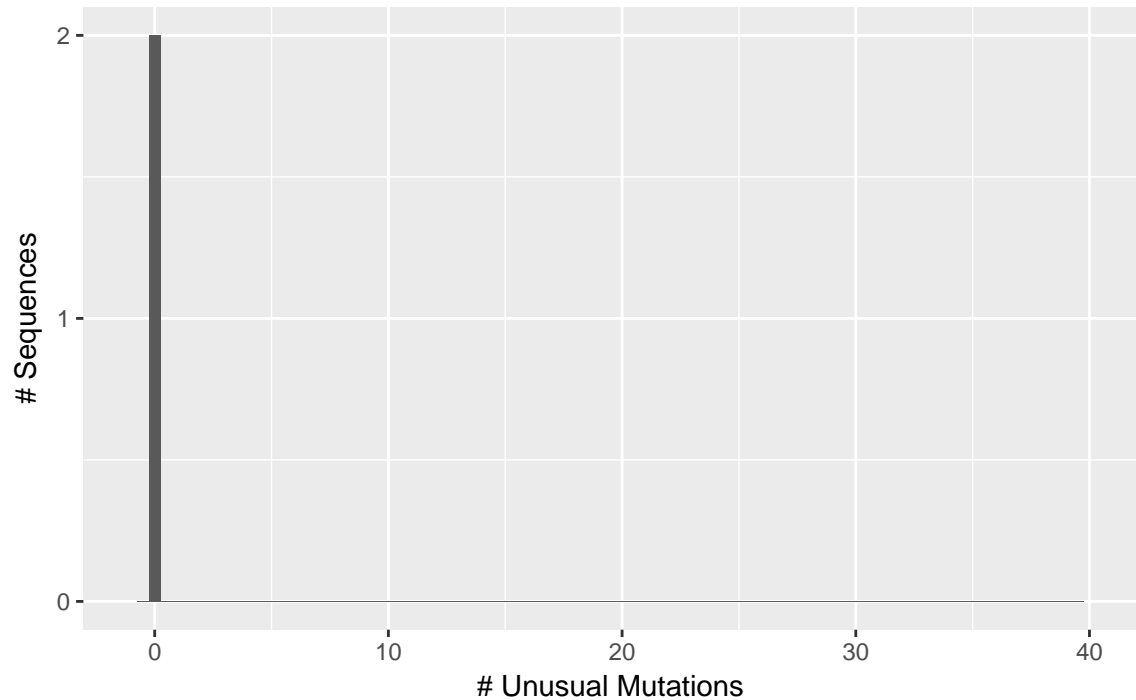
Unusual Mutations for gp41 Naive Sequences (A1A2D, n=2)



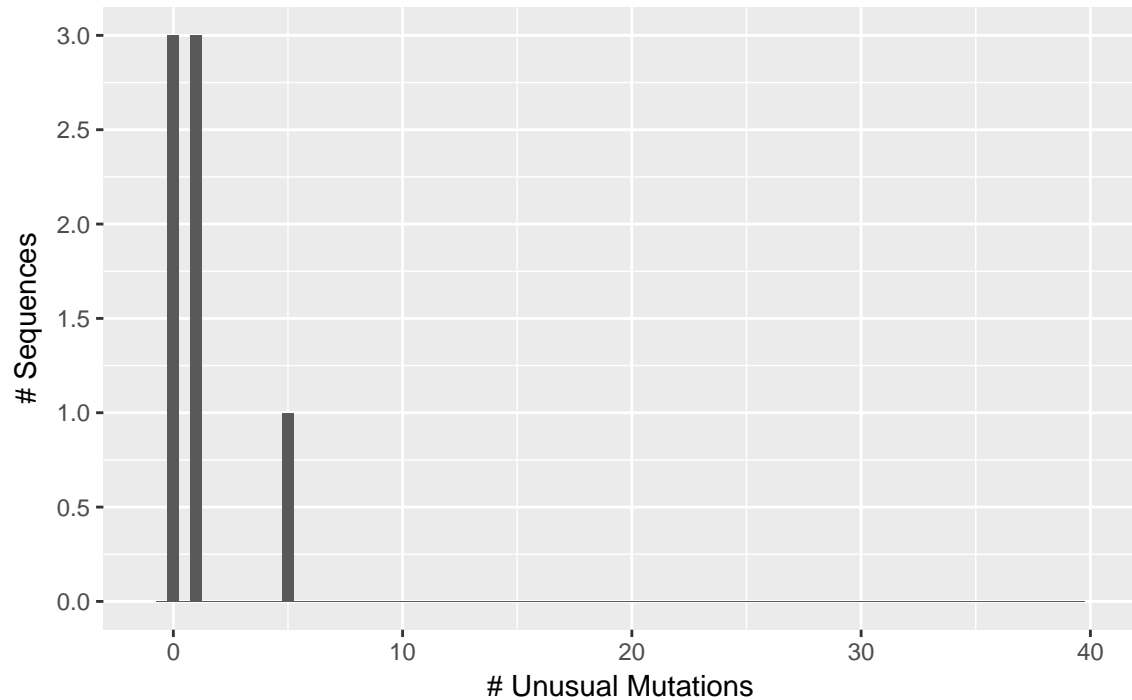
Unusual Mutations for gp41 Naive Sequences (D, n=101)



Unusual Mutations for gp41 Naive Sequences (K, n=2)

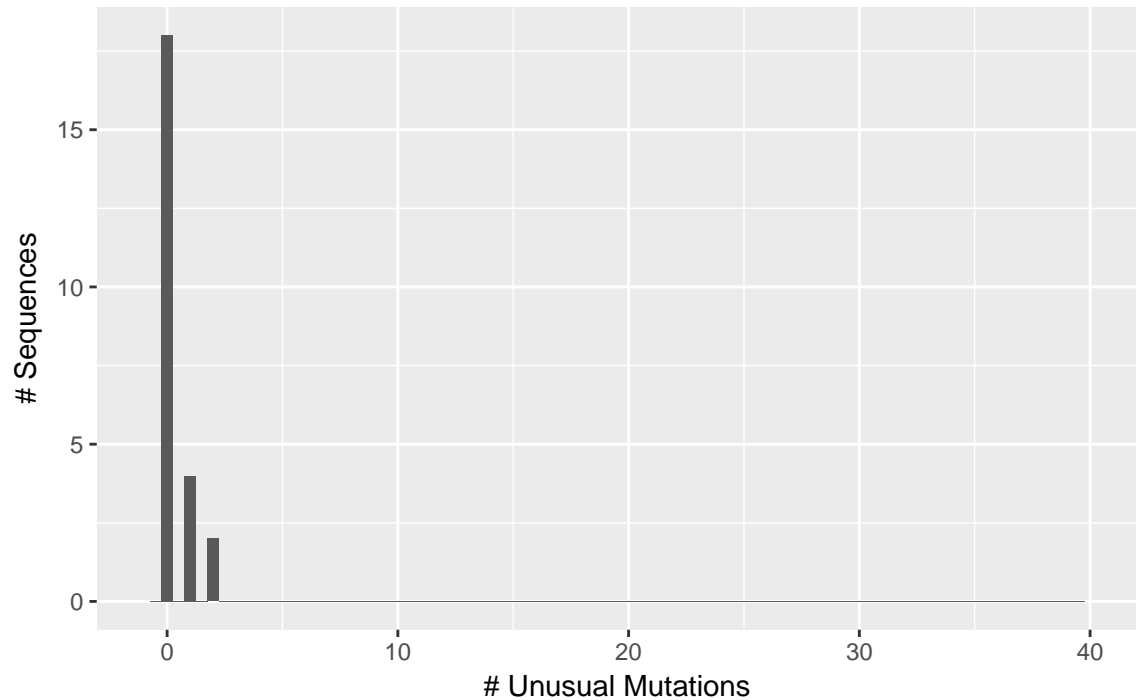


Unusual Mutations for gp41 Naive Sequences (F2, n=7)

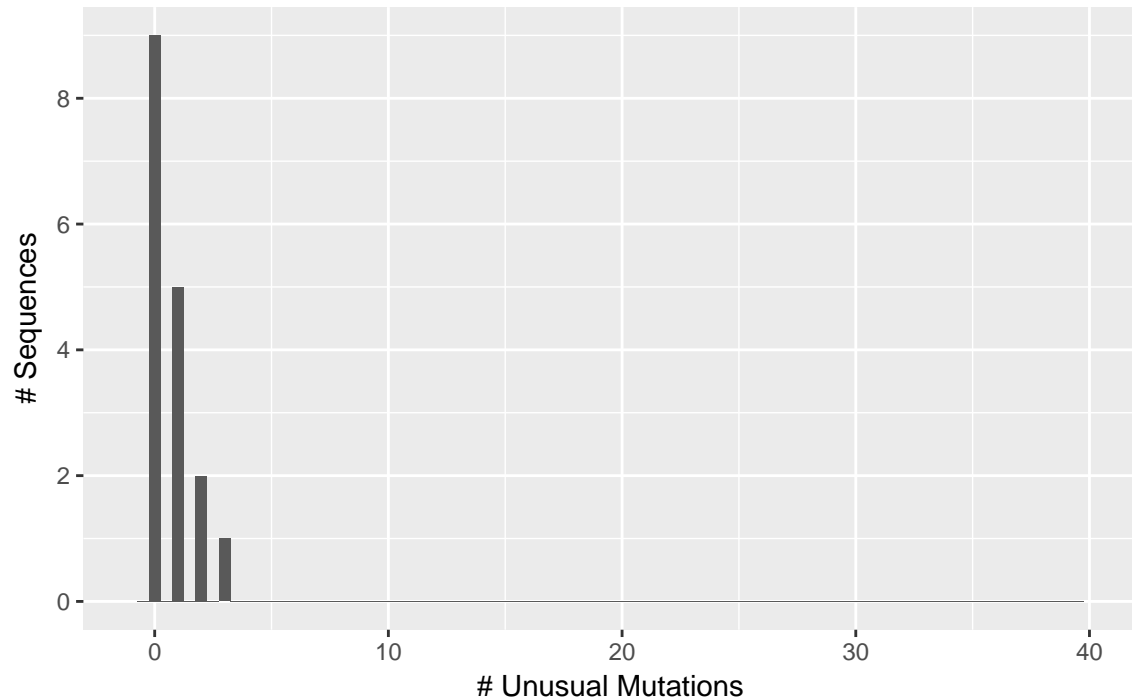




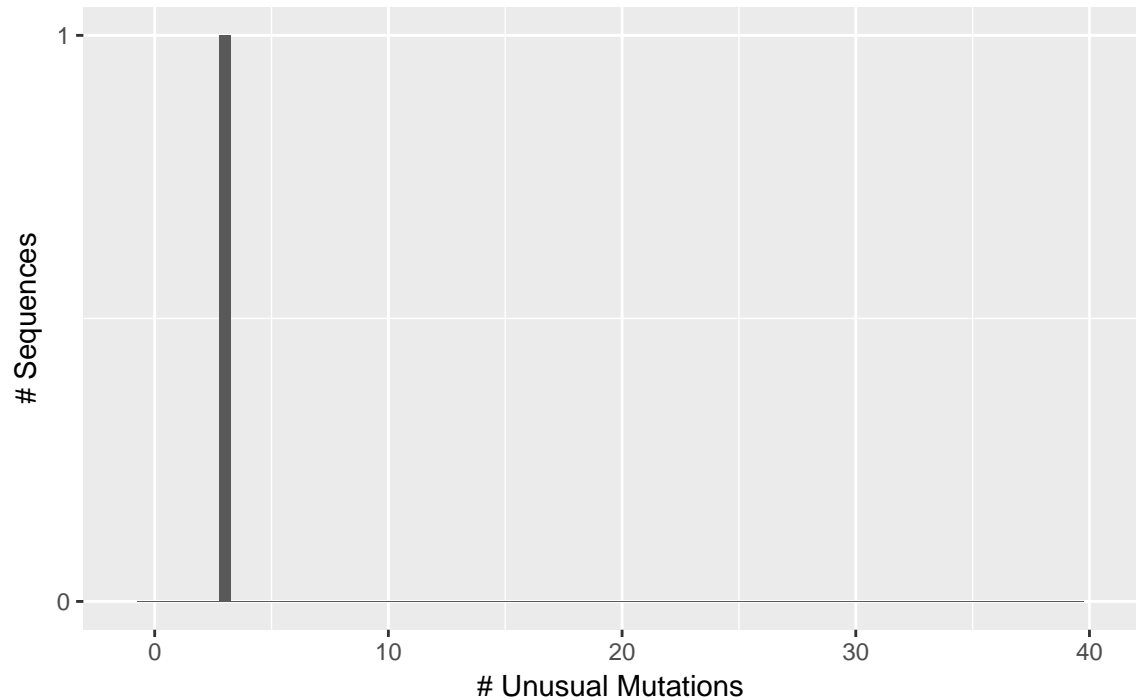
Unusual Mutations for gp41 Naive Sequences (F1, n=24)



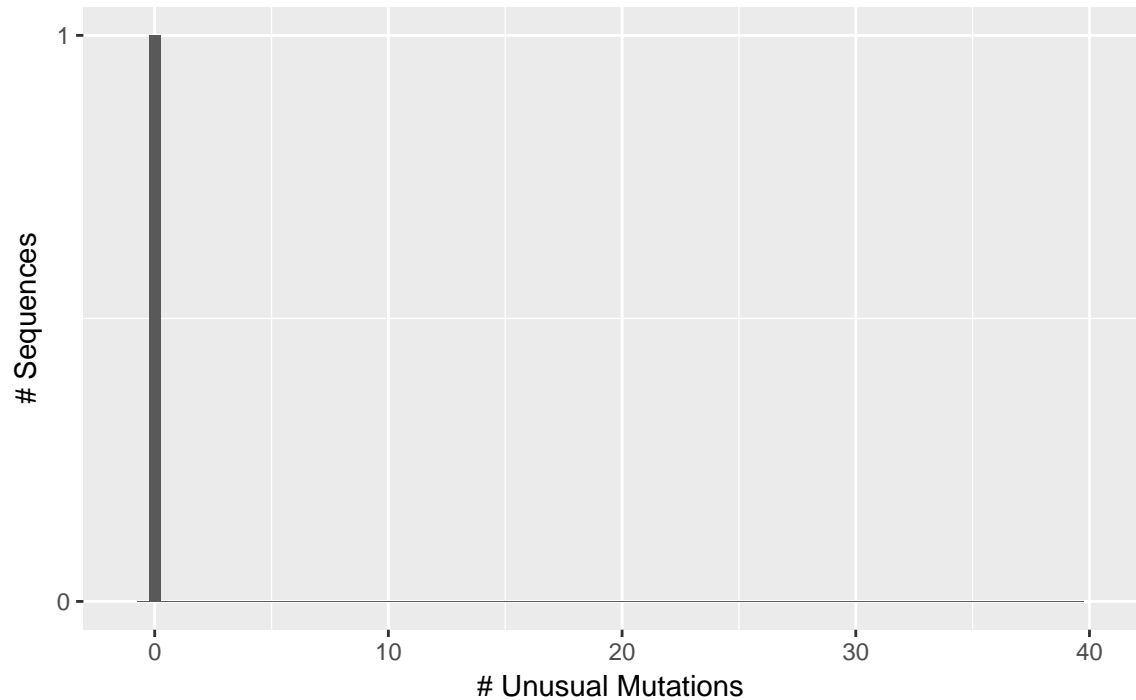
Unusual Mutations for gp41 Naive Sequences (11\_cpx, n=17)



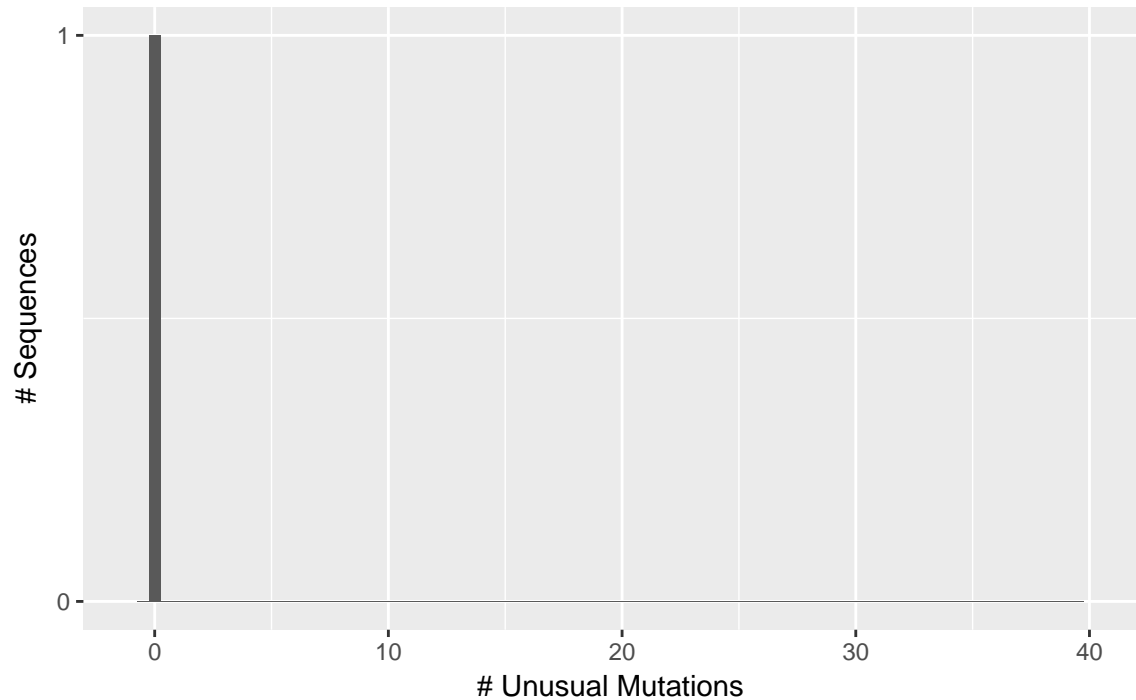
# Unusual Mutations for gp41 Naive Sequences (A4, n=1)



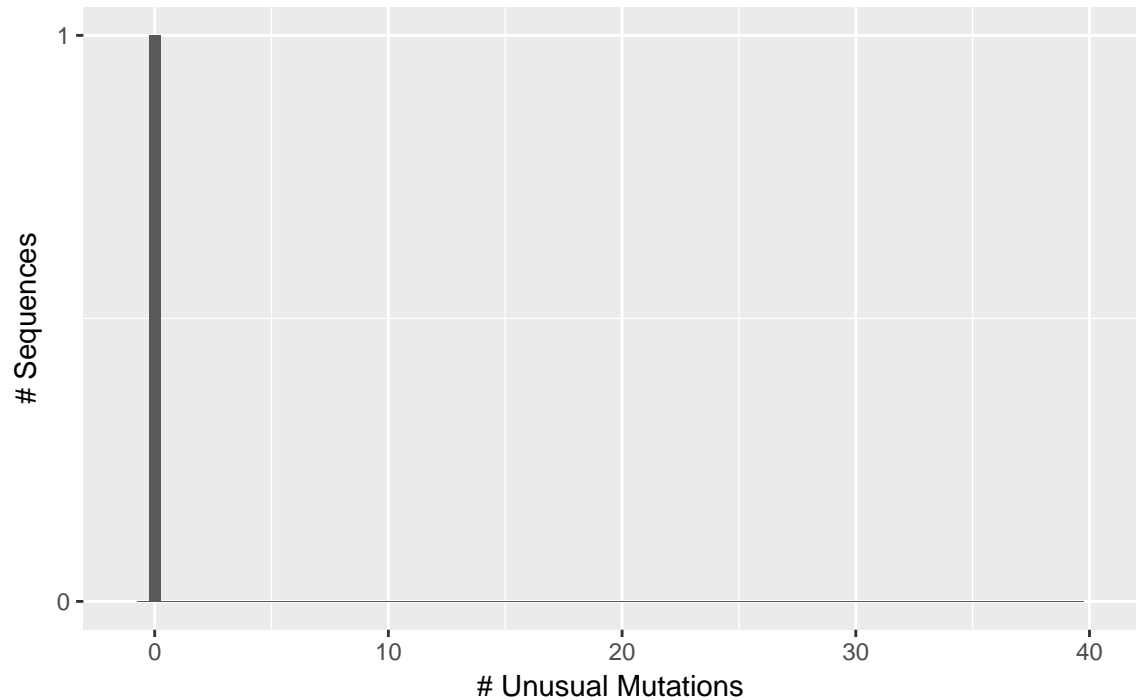
Unusual Mutations for gp41 Naive Sequences (FKU, n=1)



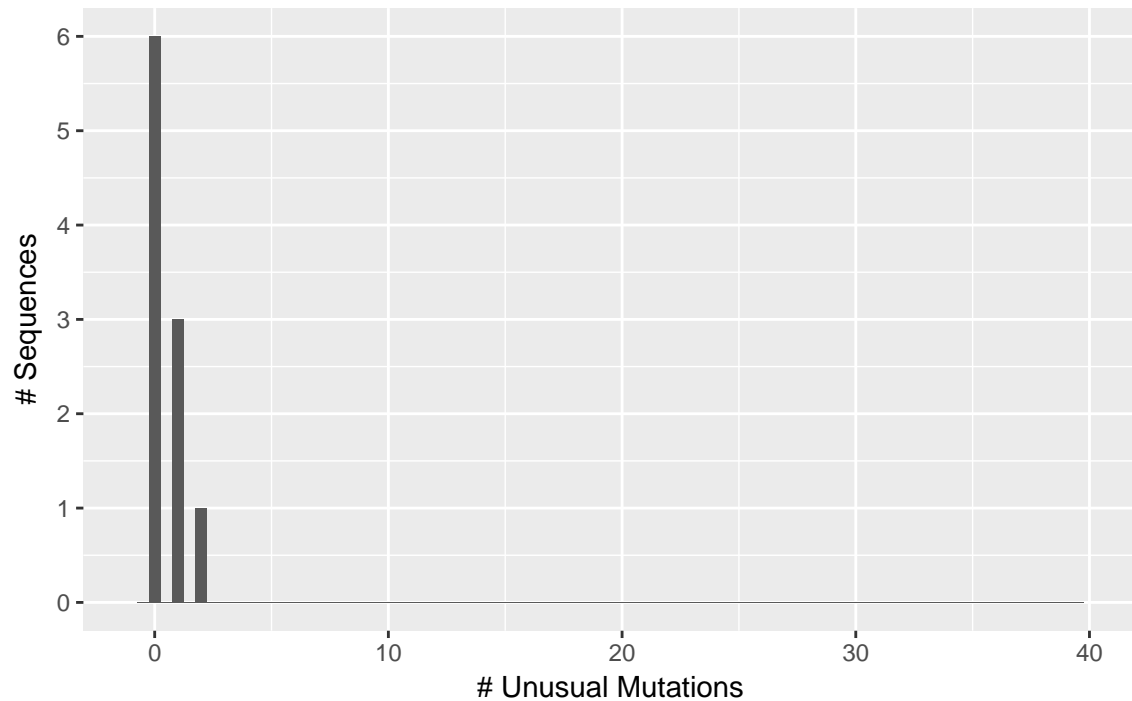
Unusual Mutations for gp41 Naive Sequences (JU, n=1)



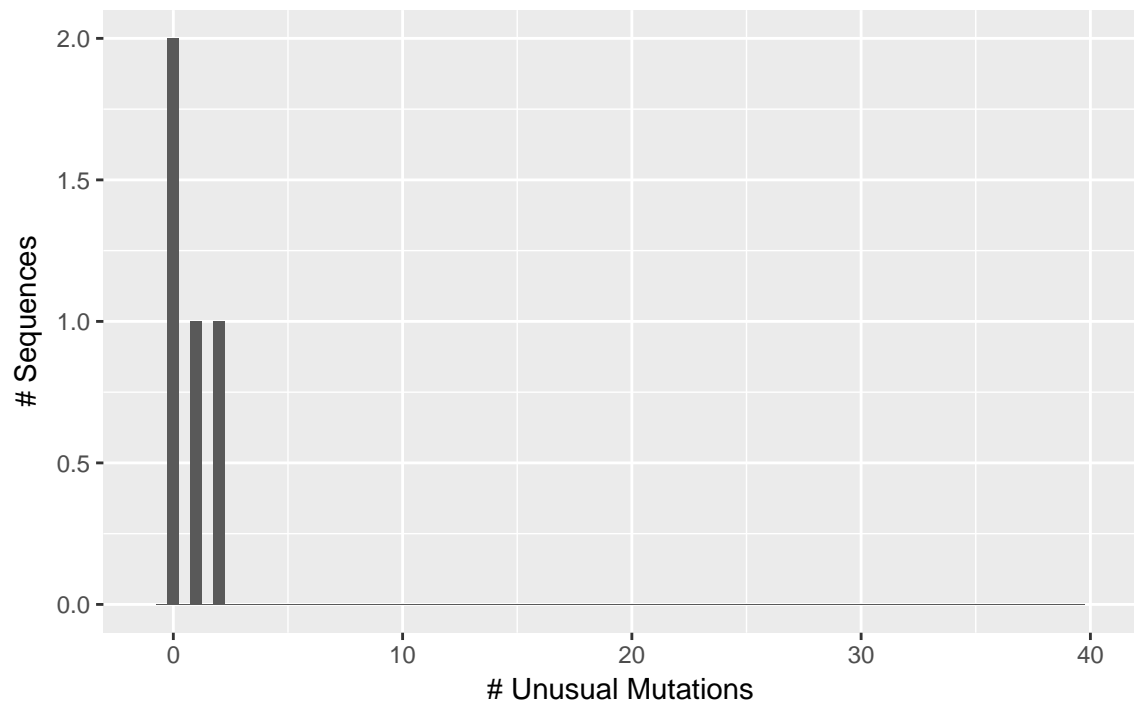
Unusual Mutations for gp41 Naive Sequences (26\_A5U, n=1)



Unusual Mutations for gp41 Naive Sequences (U, n=10)

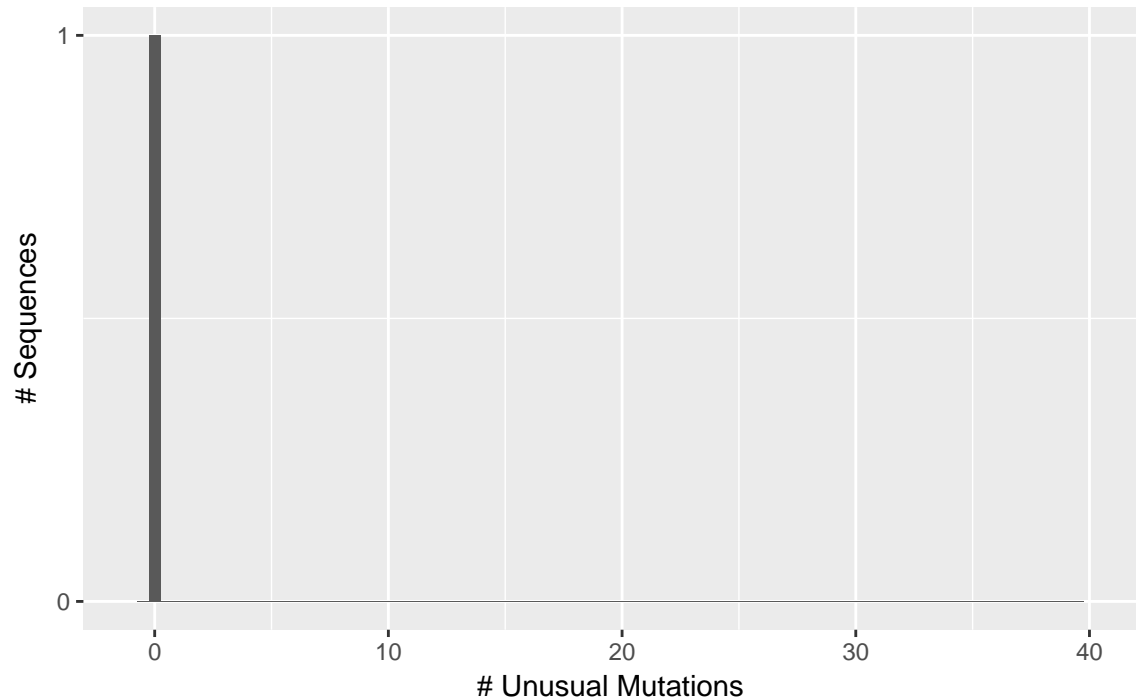


Unusual Mutations for gp41 Naive Sequences (J, n=4)

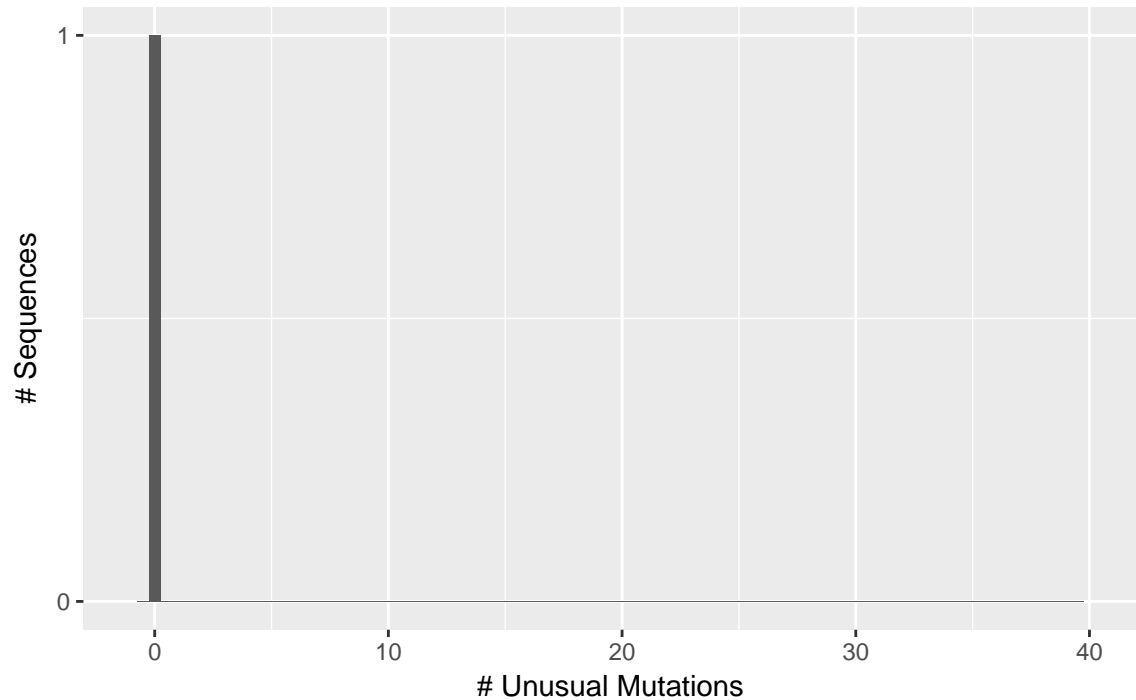




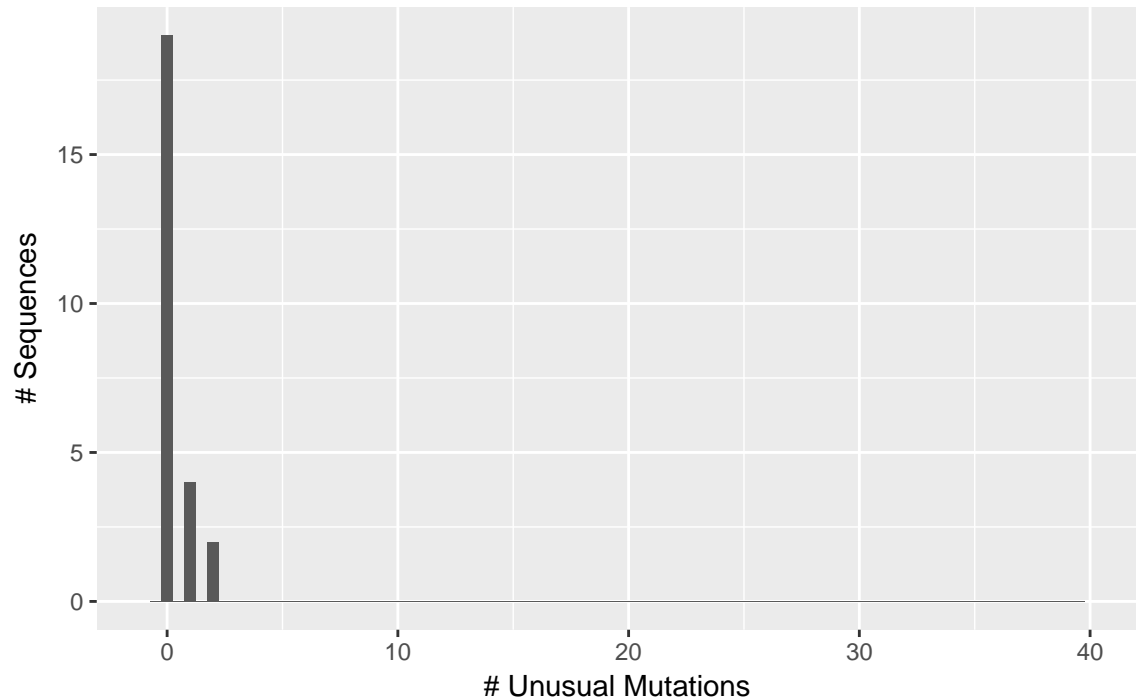
# Unusual Mutations for gp41 Naive Sequences (26C, n=1)



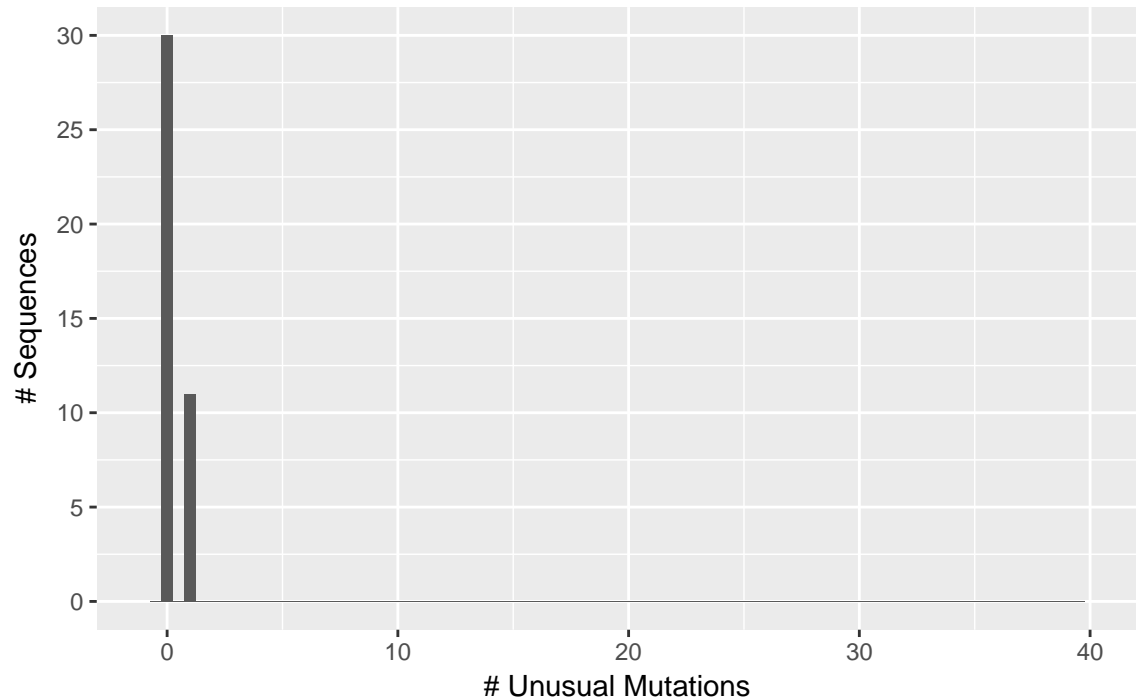
Unusual Mutations for gp41 Naive Sequences (AJ, n=1)



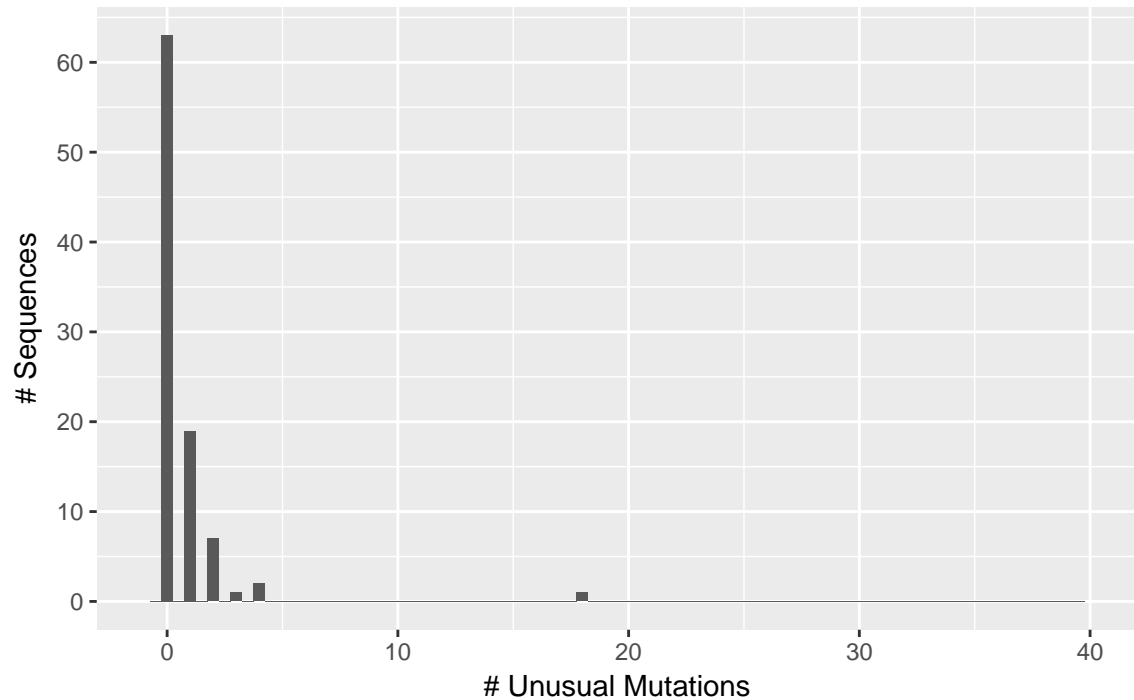
Unusual Mutations for gp41 Naive Sequences (02A1, n=25)



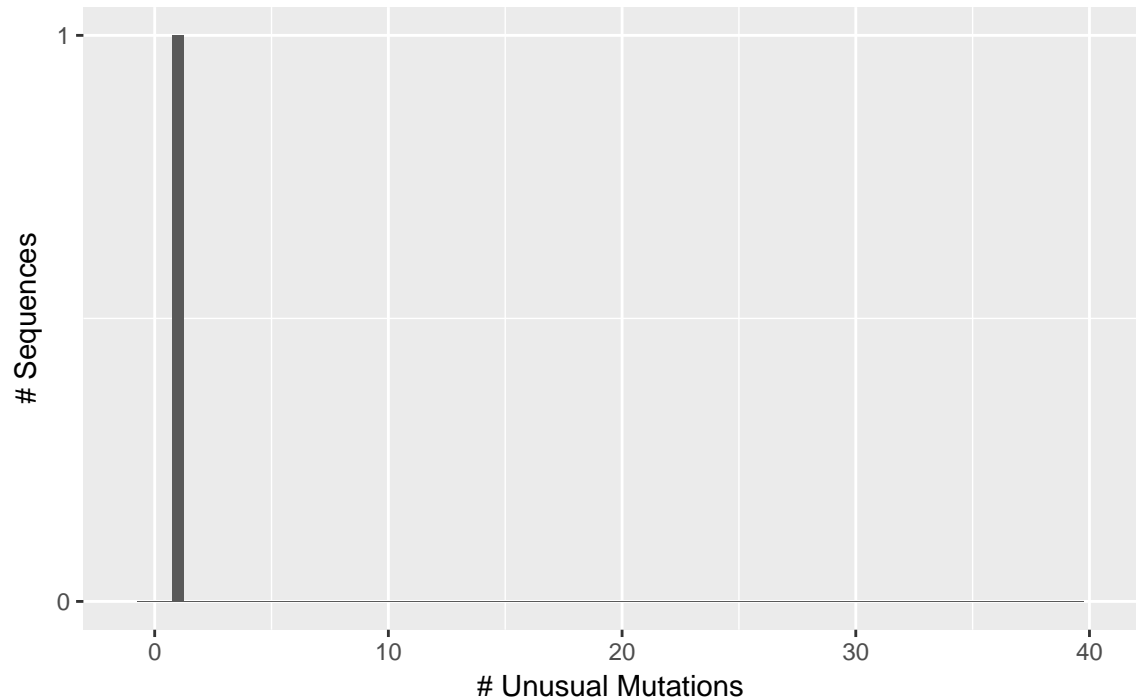
Unusual Mutations for gp41 Naive Sequences (G, n=41)



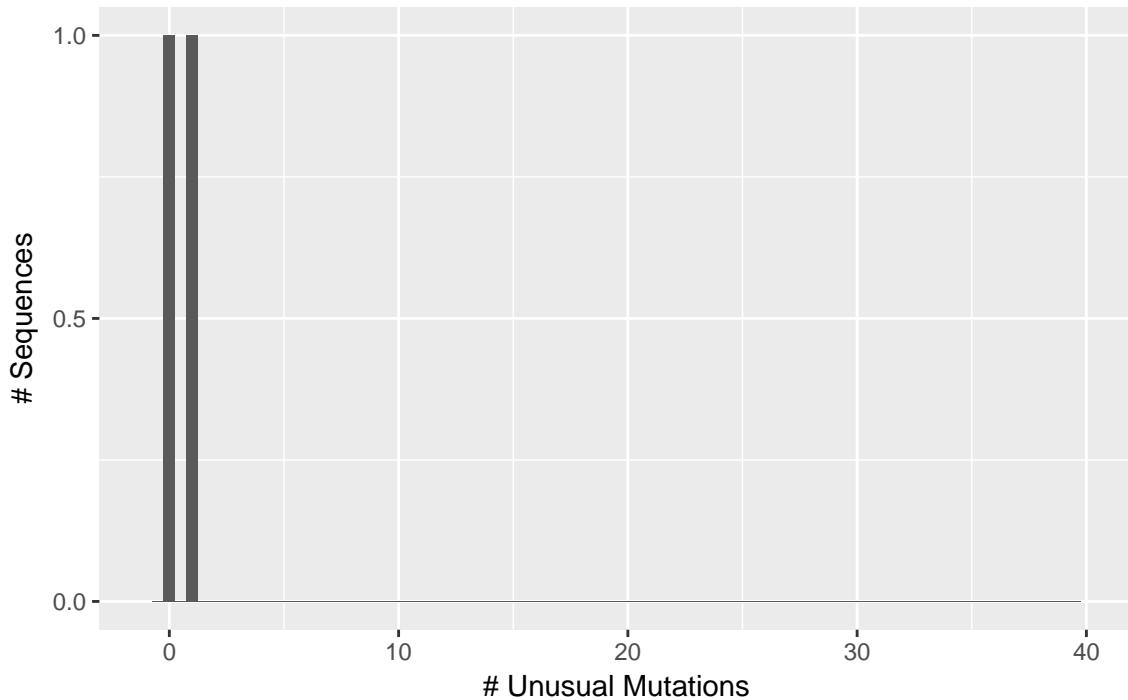
Unusual Mutations for gp41 Naive Sequences (02\_AG, n=93)



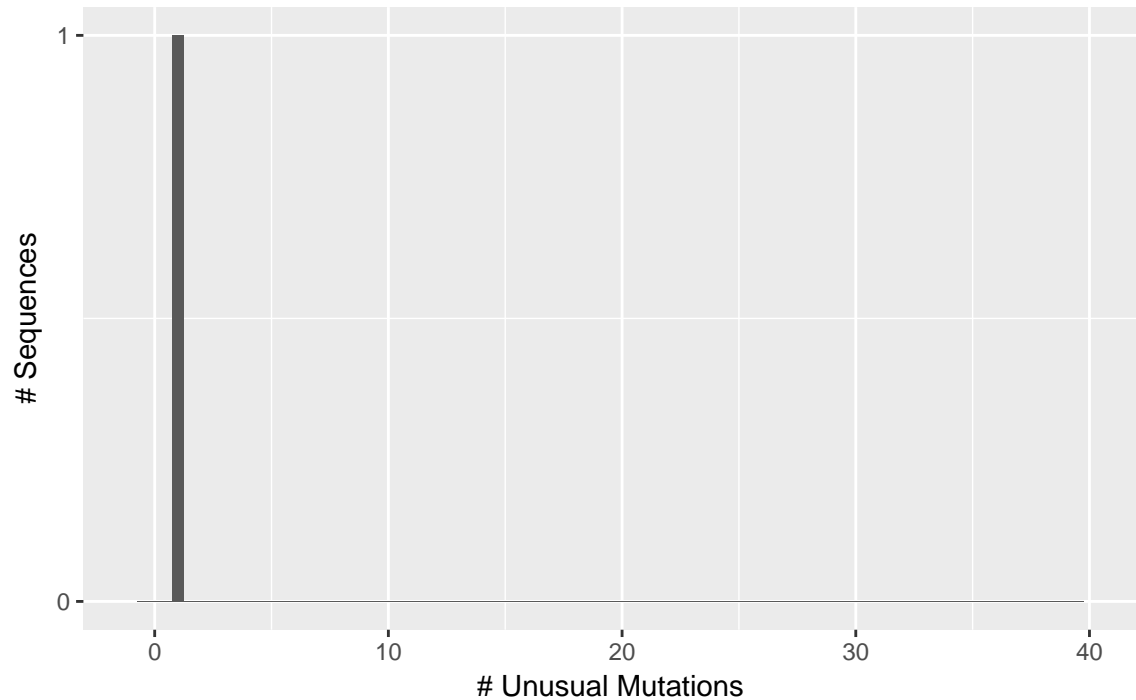
Unusual Mutations for gp41 Naive Sequences (ADU, n=1)



Unusual Mutations for gp41 Naive Sequences (A, n=2)

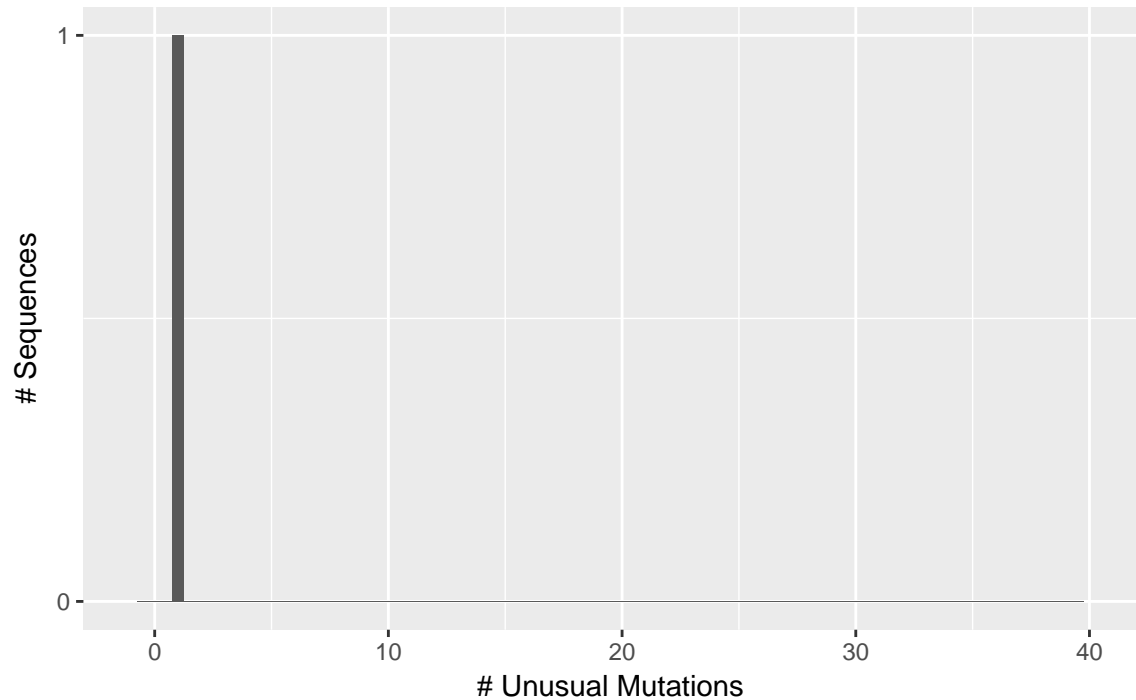


# Unusual Mutations for gp41 Naive Sequences (09A, n=1)

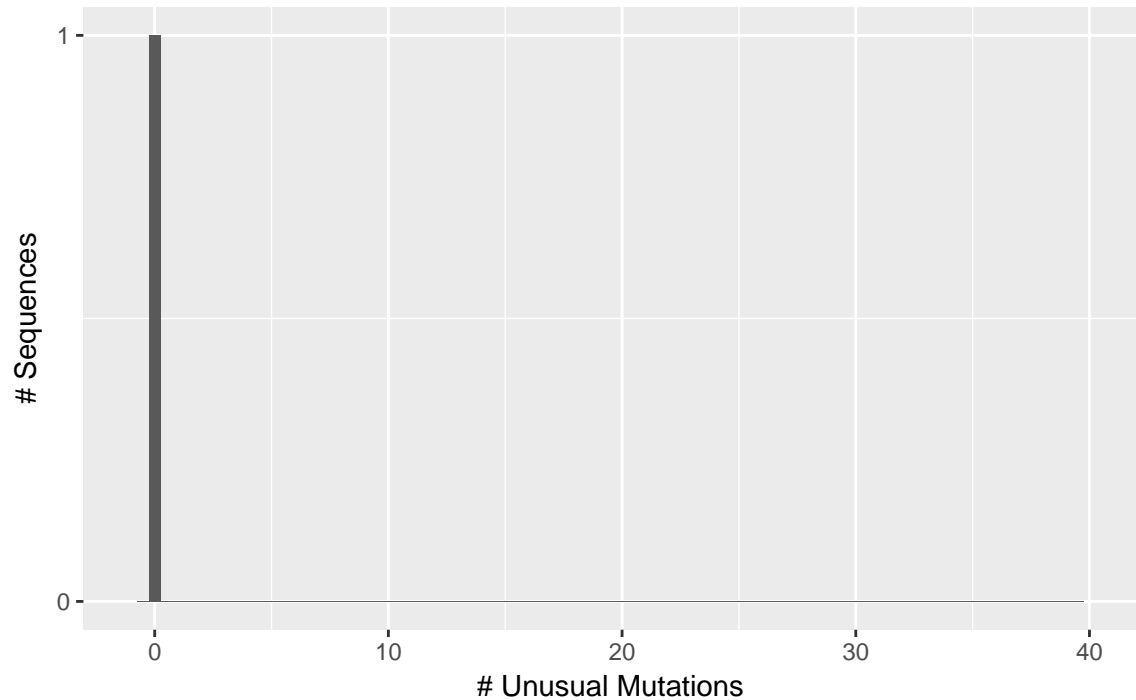




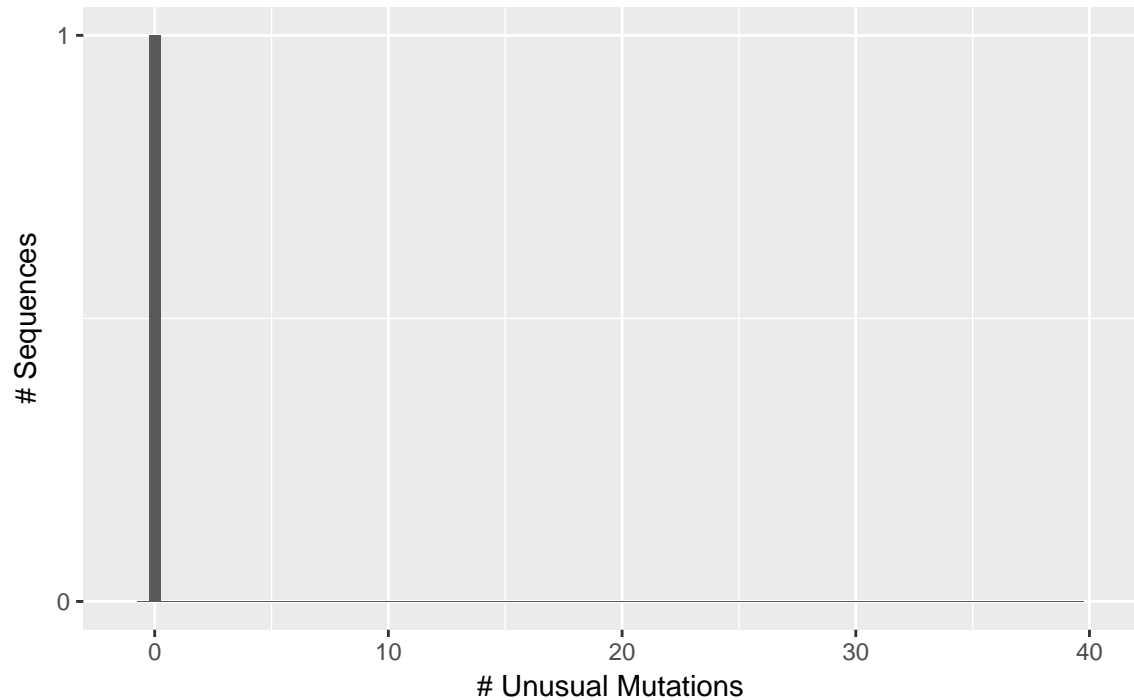
# Unusual Mutations for gp41 Naive Sequences (AG, n=1)



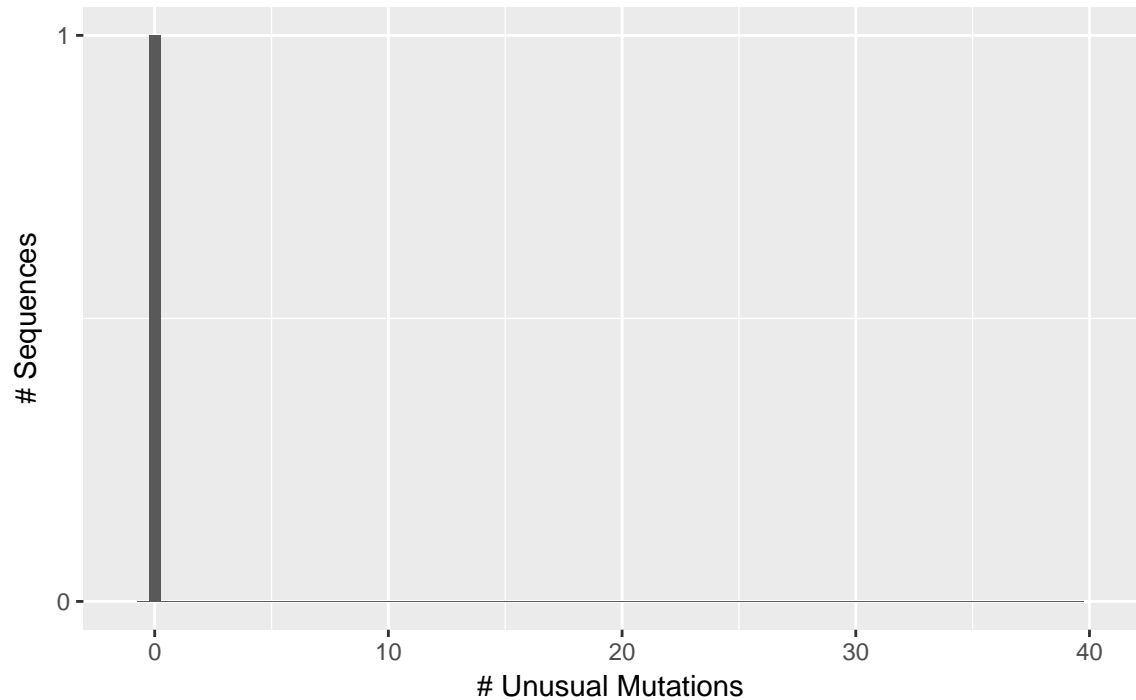
Unusual Mutations for gp41 Naive Sequences (A1A3, n=1)



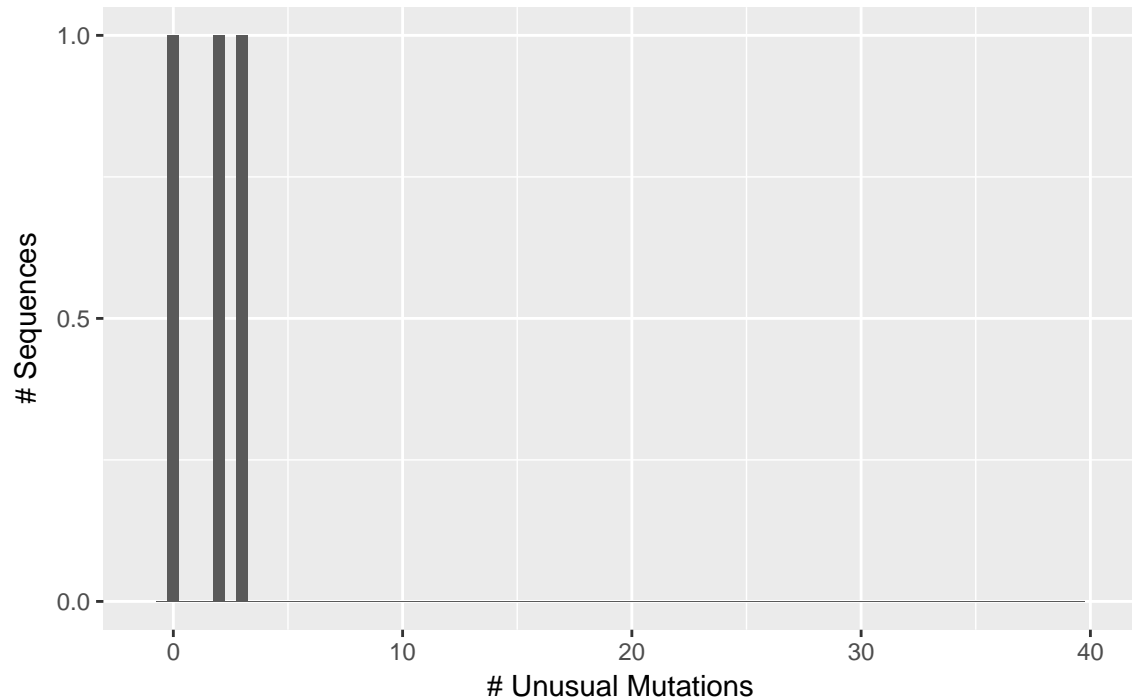
Unusual Mutations for gp41 Naive Sequences (17\_BF, n=1)



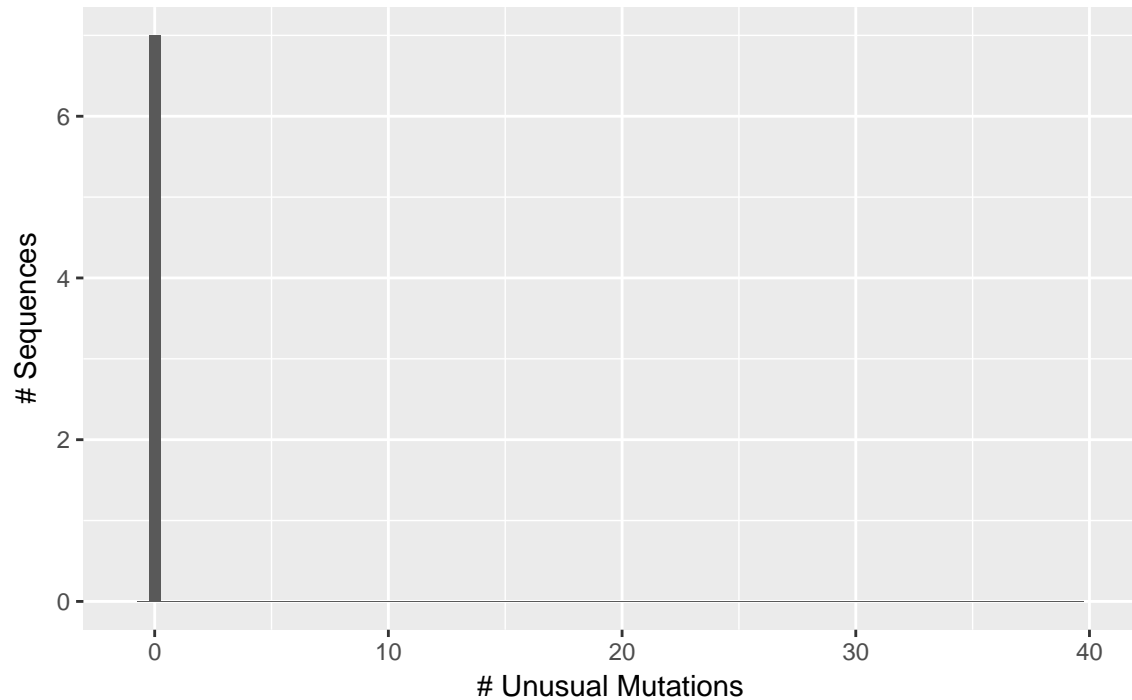
Unusual Mutations for gp41 Naive Sequences (02A1U, n=1)



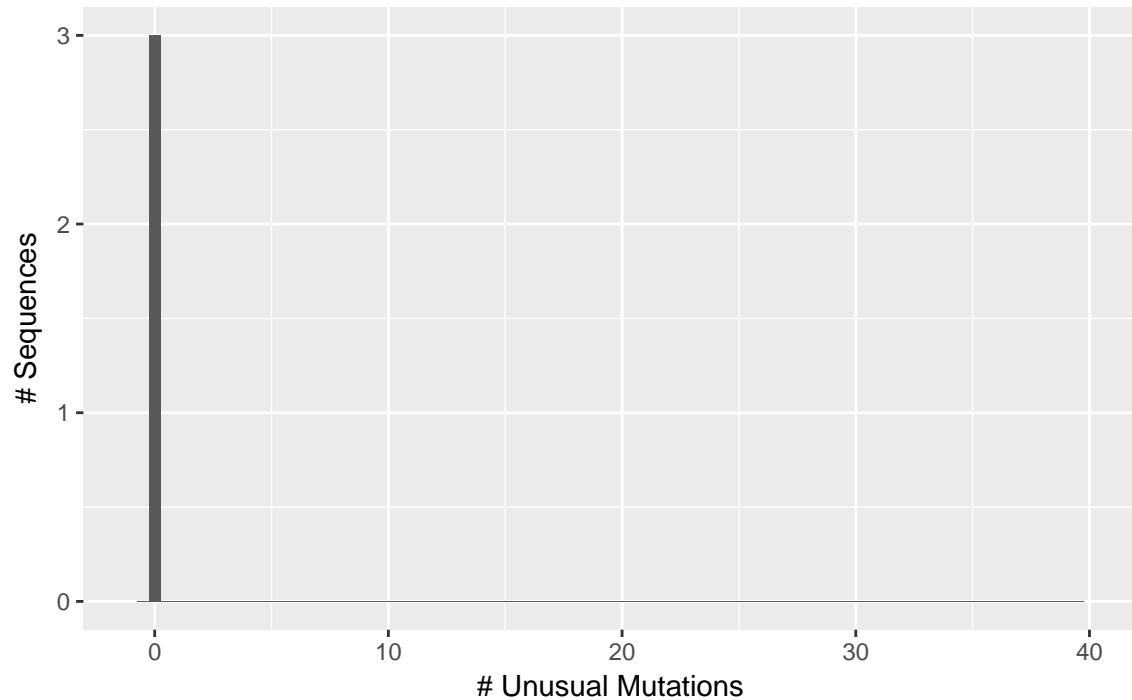
Unusual Mutations for gp41 Naive Sequences (0102A, n=3)



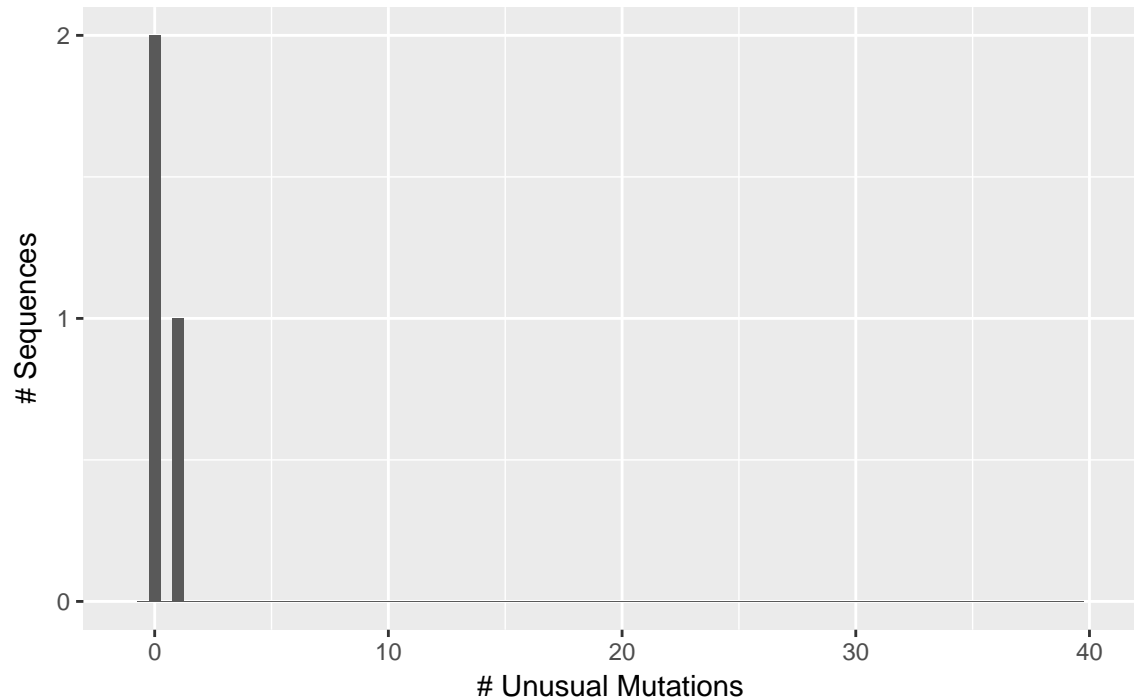
# Unusual Mutations for gp41 Naive Sequences (02G, n=7)



Unusual Mutations for gp41 Naive Sequences (13\_cpx, n=3)

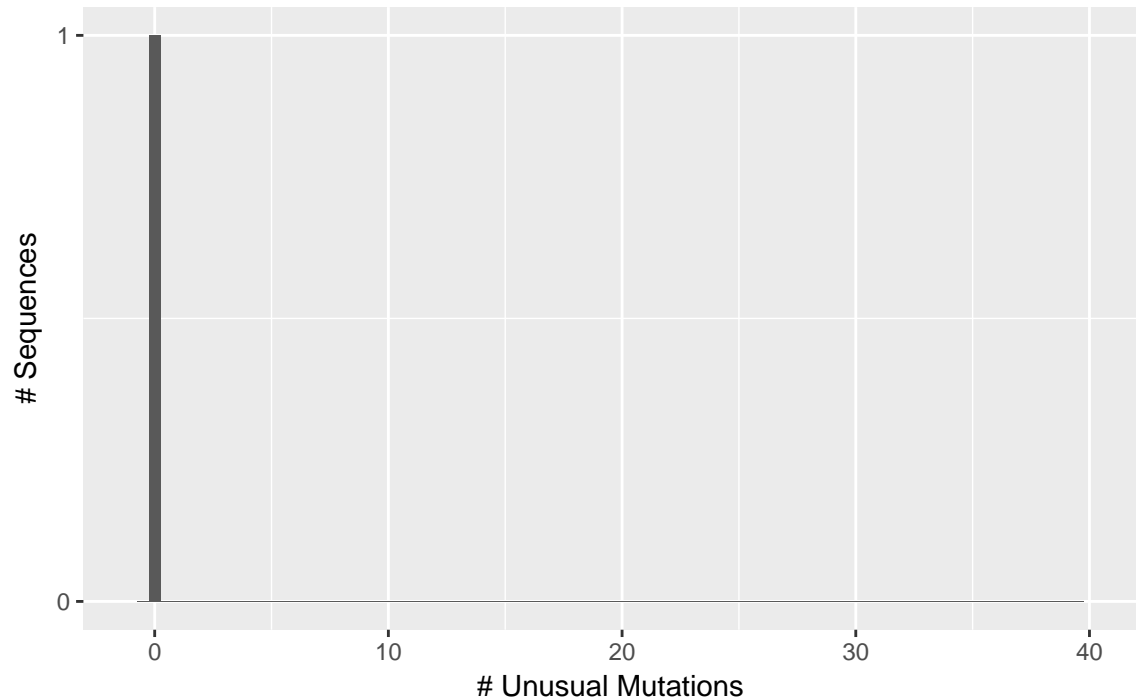


Unusual Mutations for gp41 Naive Sequences (22\_01A1, n=3)

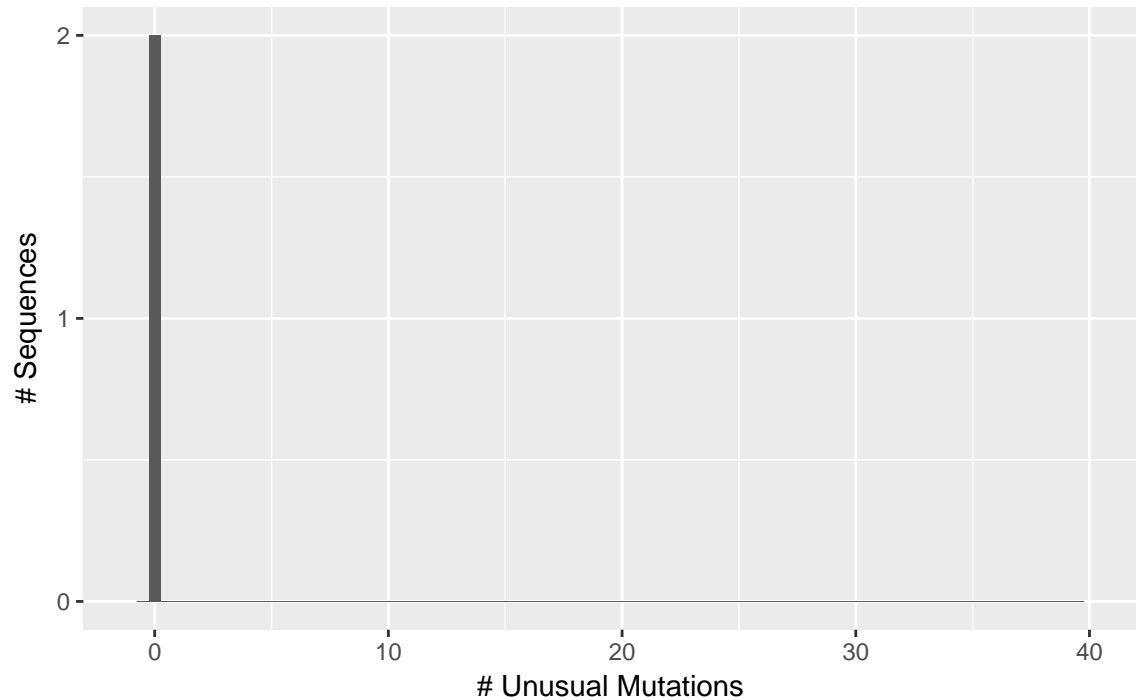




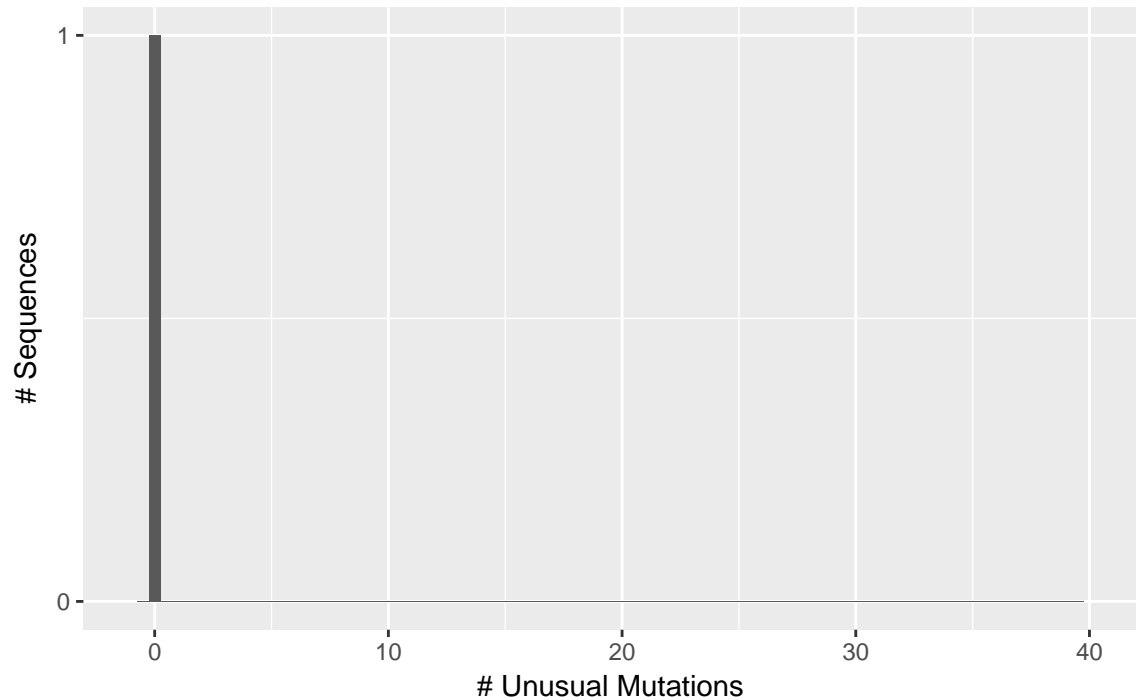
Unusual Mutations for gp41 Naive Sequences (AF2, n=1)



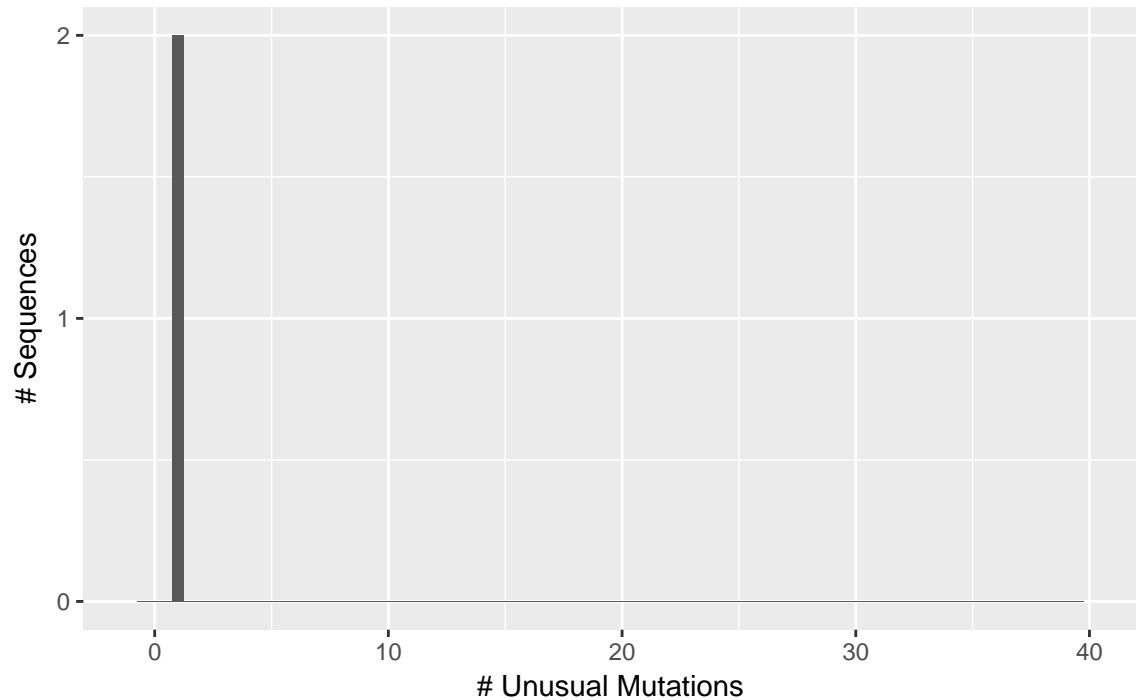
Unusual Mutations for gp41 Naive Sequences (AHJU, n=2)



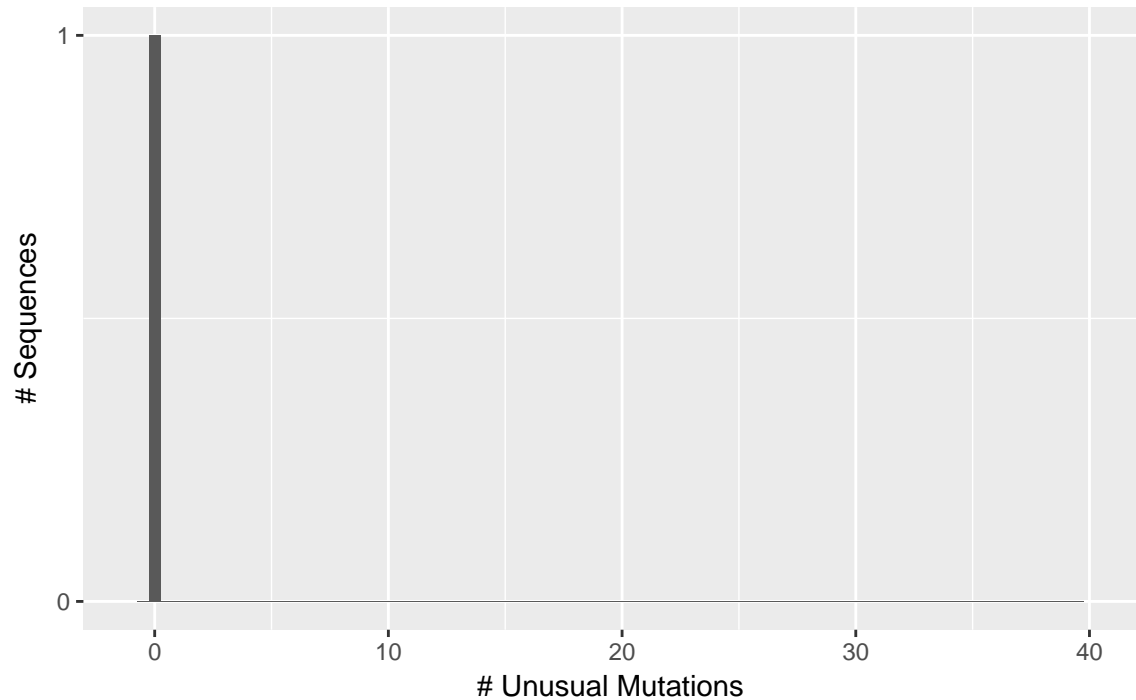
Unusual Mutations for gp41 Naive Sequences (22A1U, n=1)



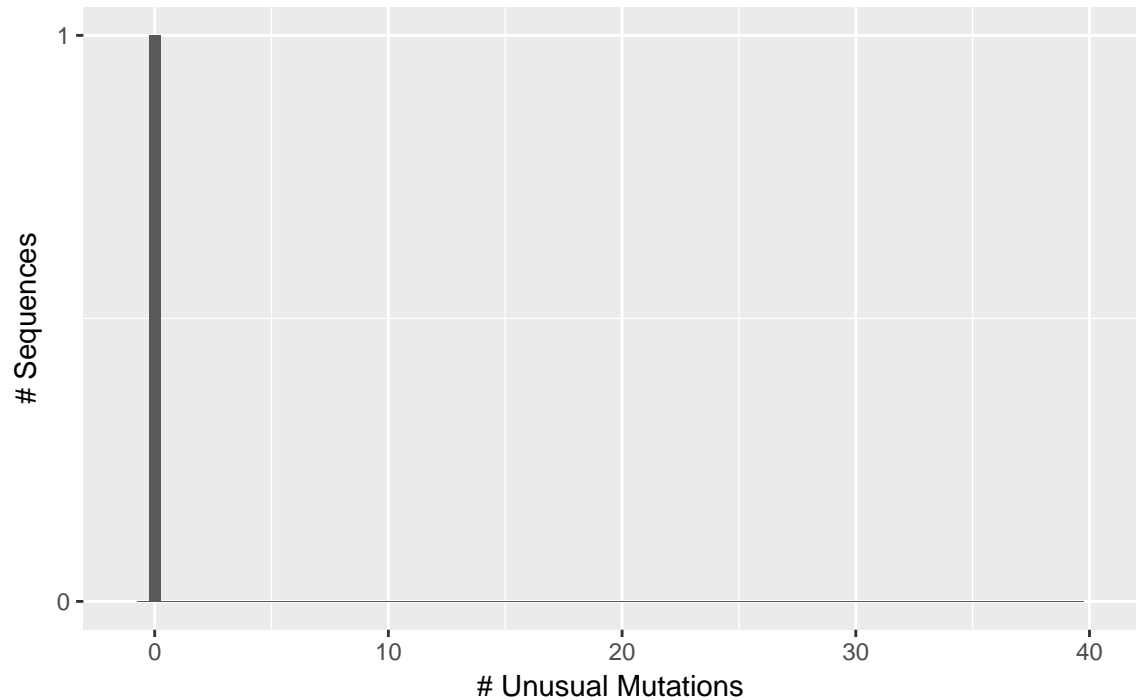
Unusual Mutations for gp41 Naive Sequences (A1F2, n=2)



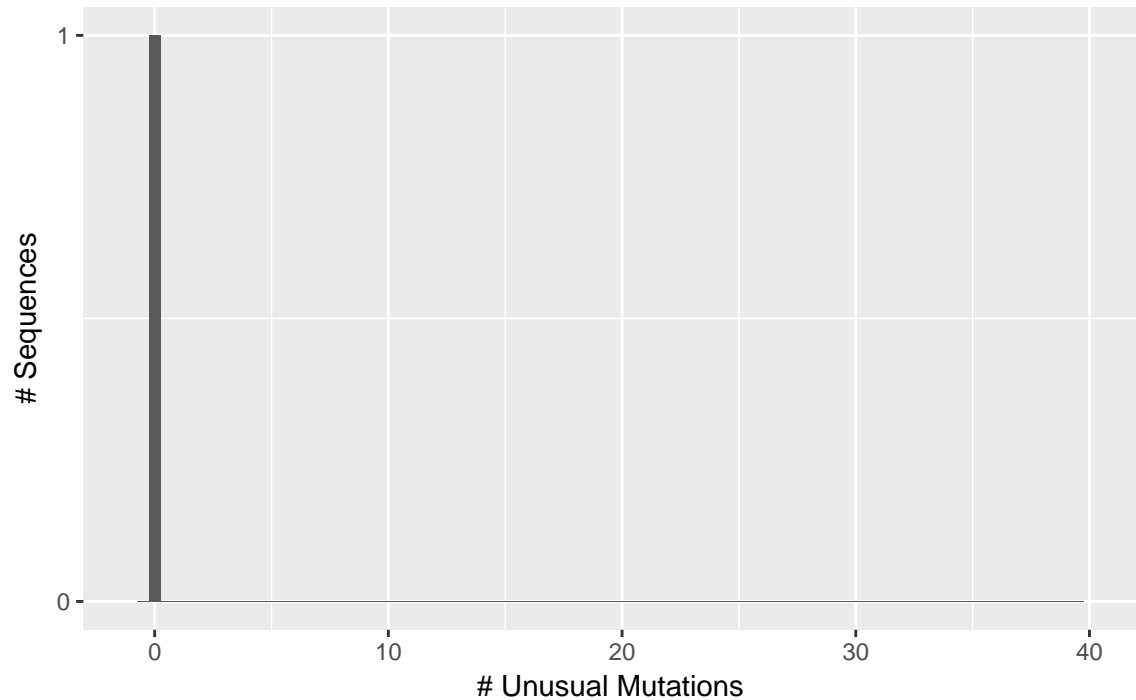
Unusual Mutations for gp41 Naive Sequences (AGU, n=1)



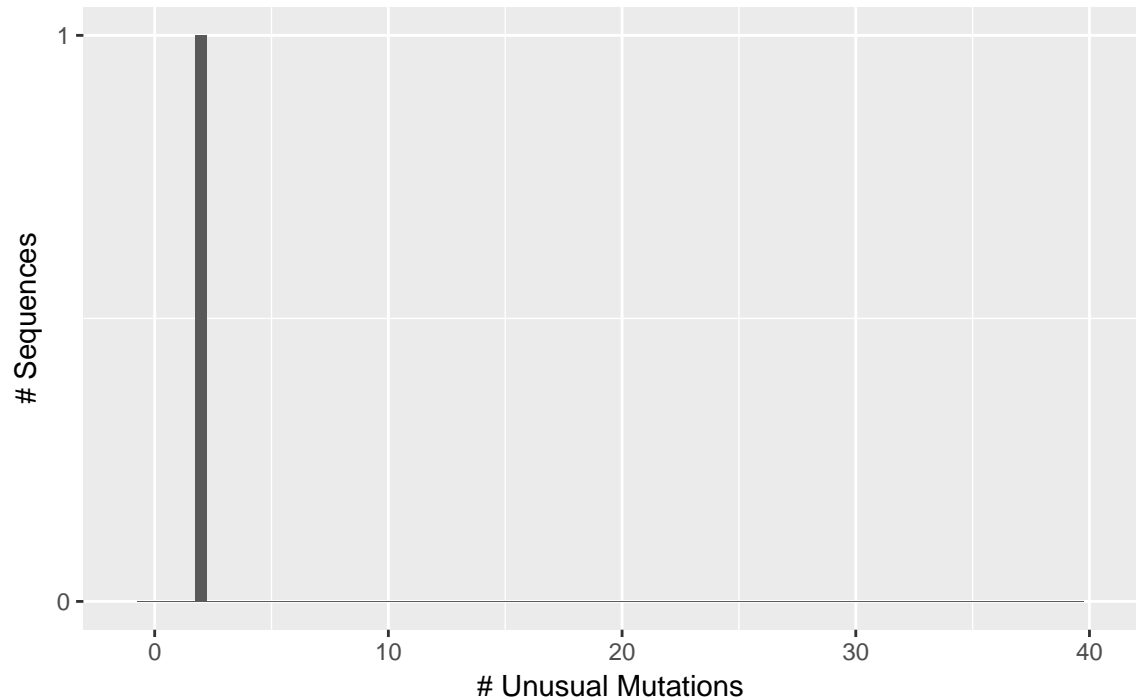
# Unusual Mutations for gp41 Naive Sequences (22DU, n=1)



Unusual Mutations for gp41 Naive Sequences (25\_cpx, n=1)

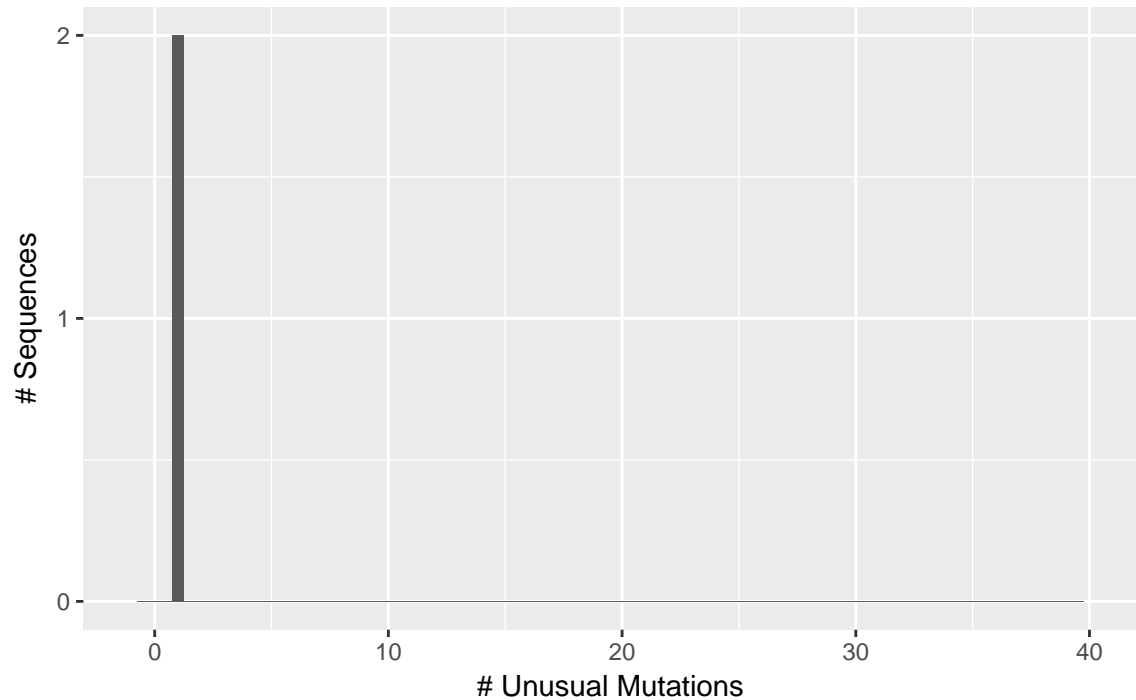


Unusual Mutations for gp41 Naive Sequences (01ADF2, n=1)

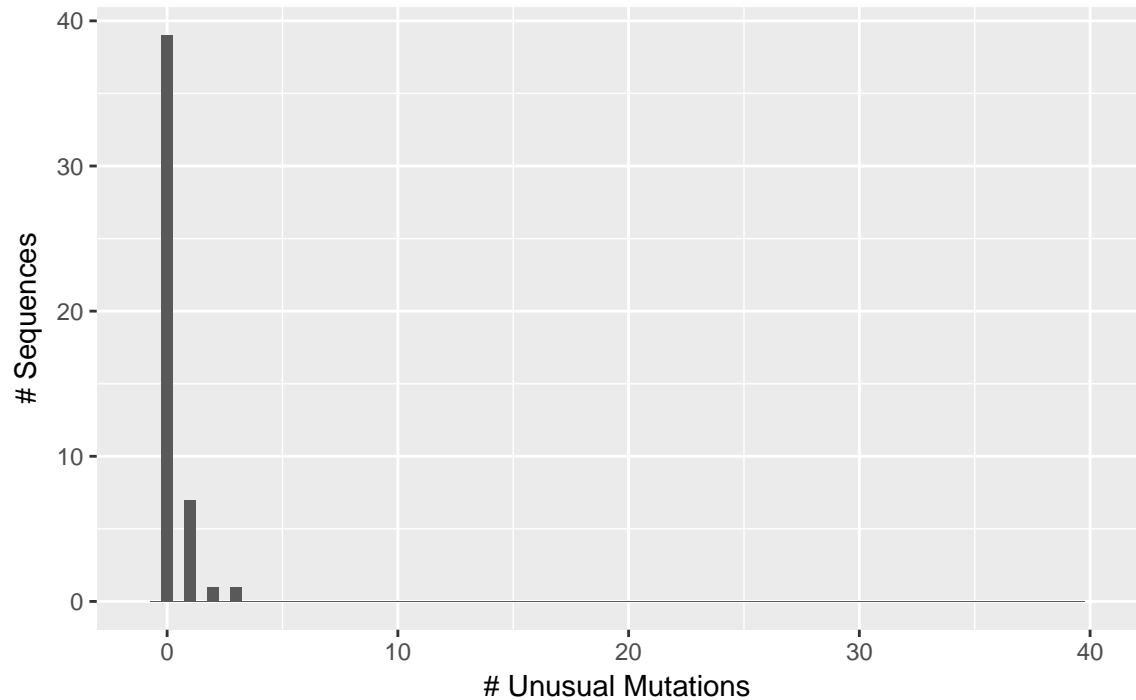




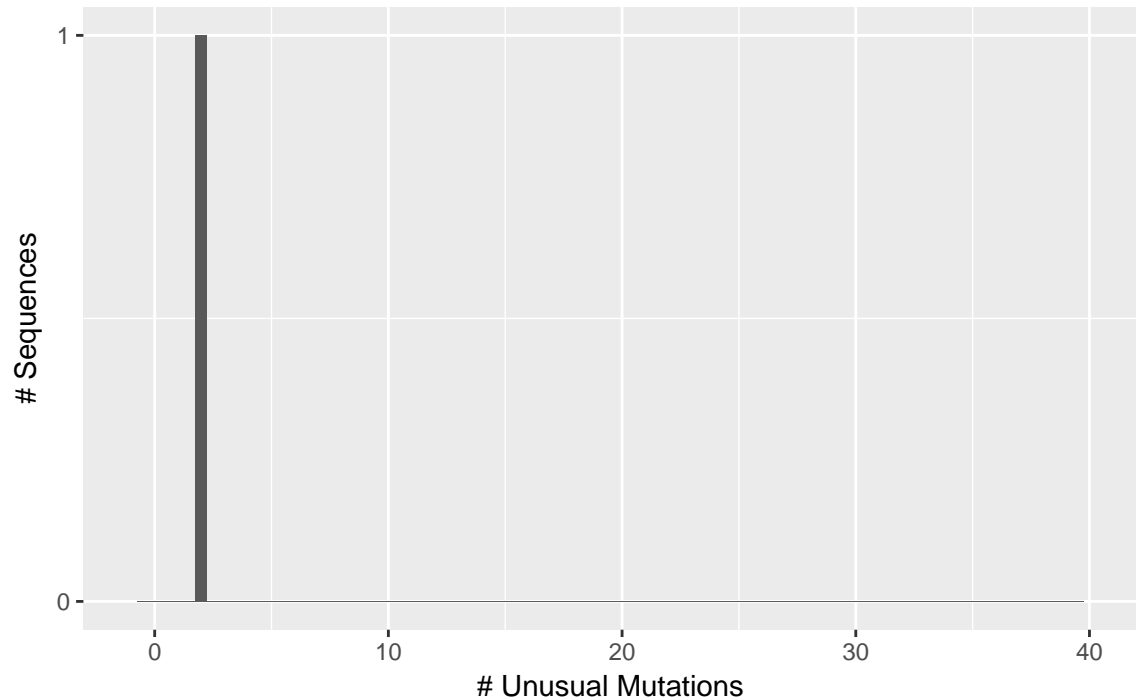
Unusual Mutations for gp41 Naive Sequences (AD, n=2)



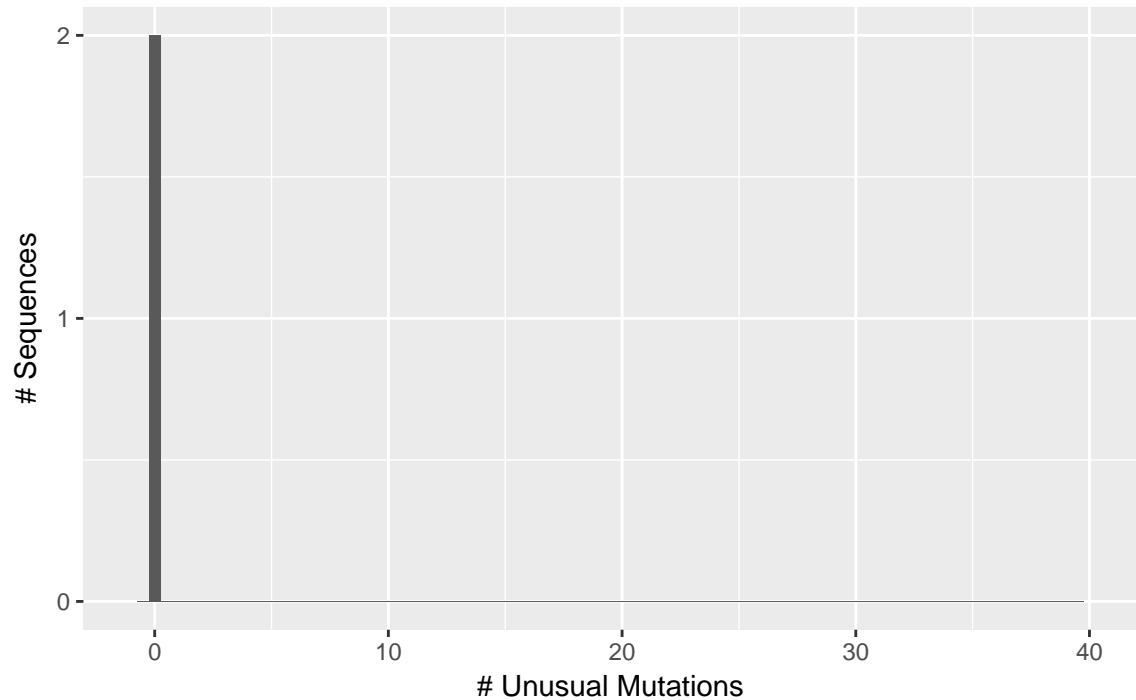
Unusual Mutations for gp41 Naive Sequences (A6, n=48)



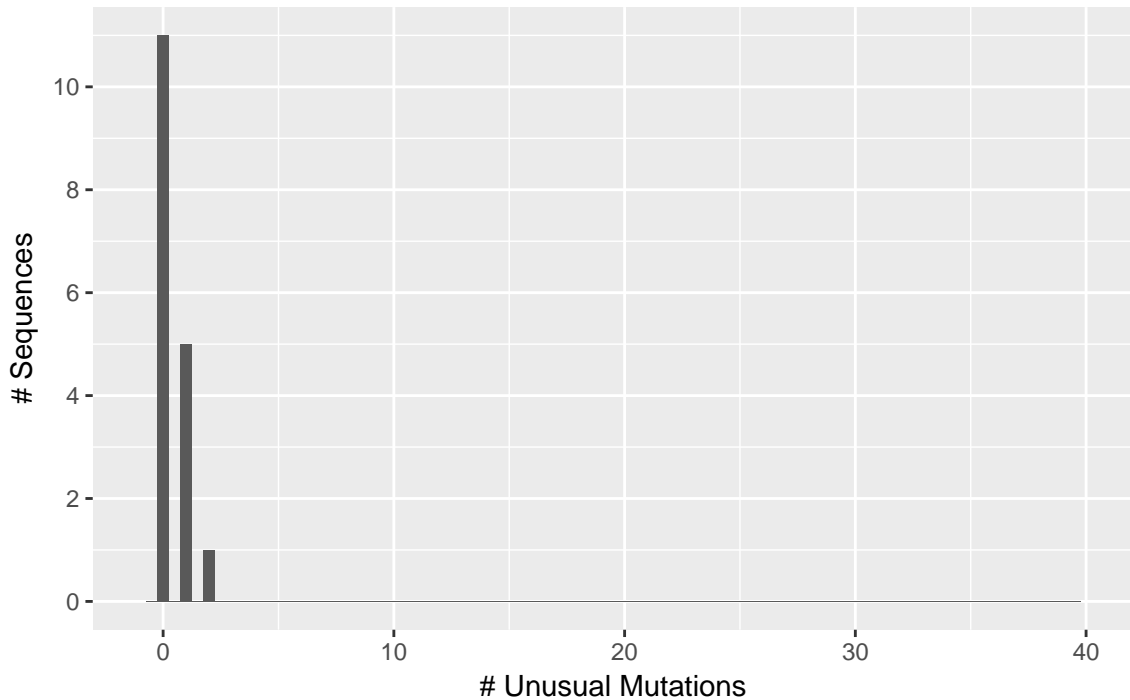
# Unusual Mutations for gp41 Naive Sequences (02B, n=1)



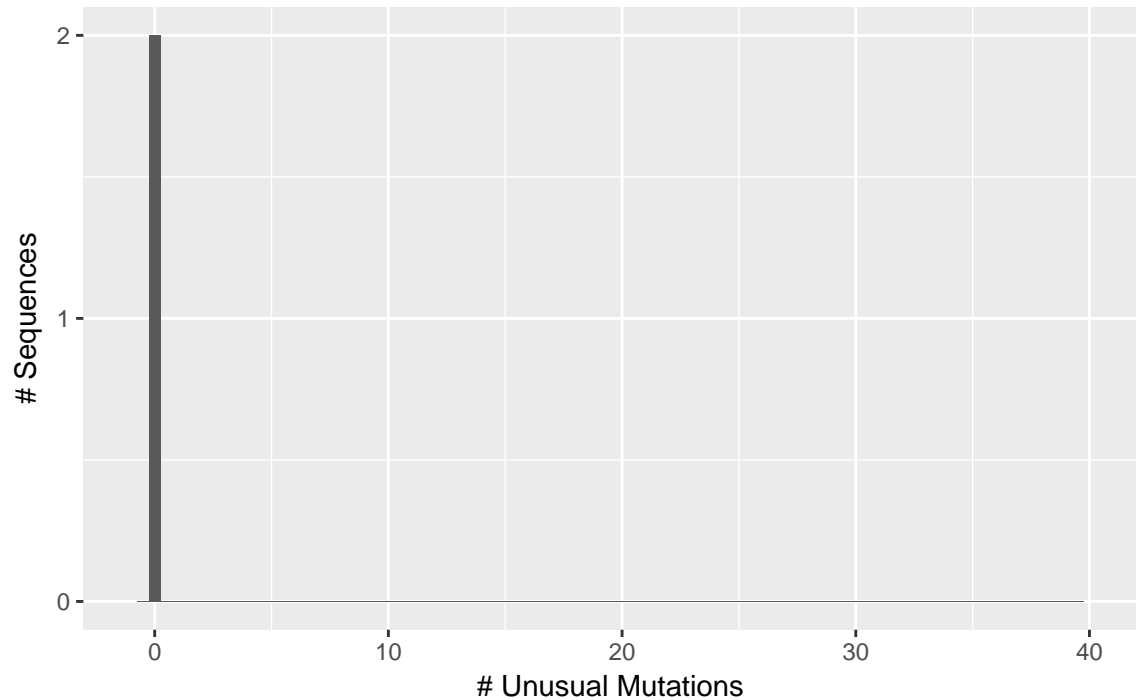
Unusual Mutations for gp41 Naive Sequences (52\_01B, n=2)



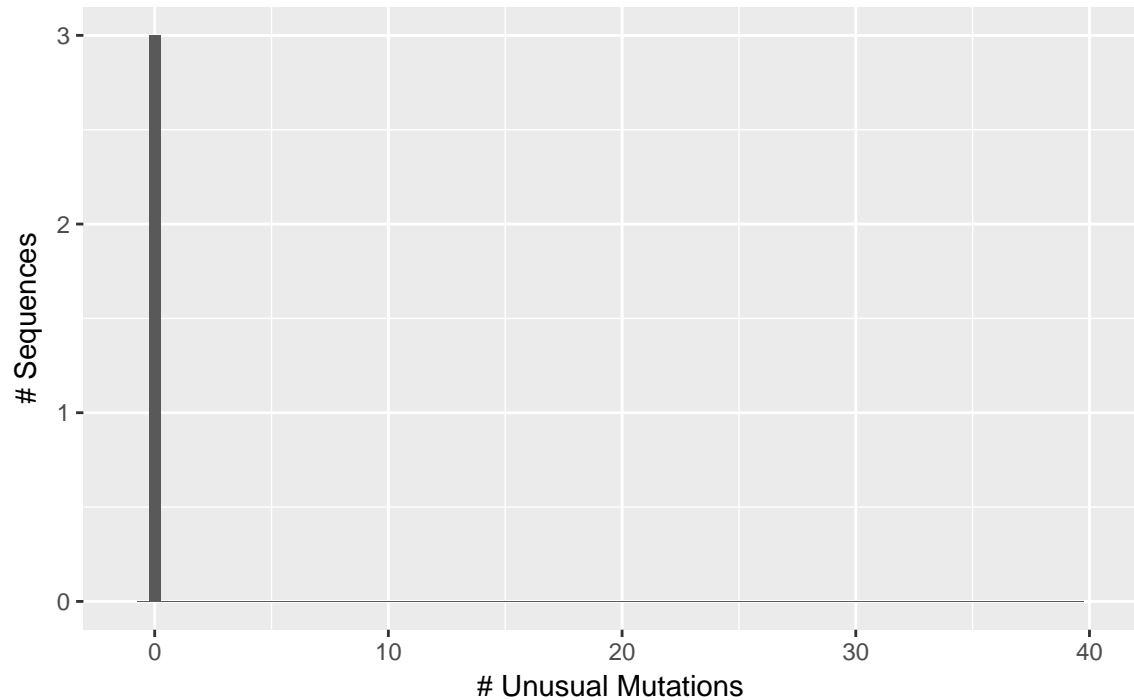
Unusual Mutations for gp41 Naive Sequences (BF1, n=17)



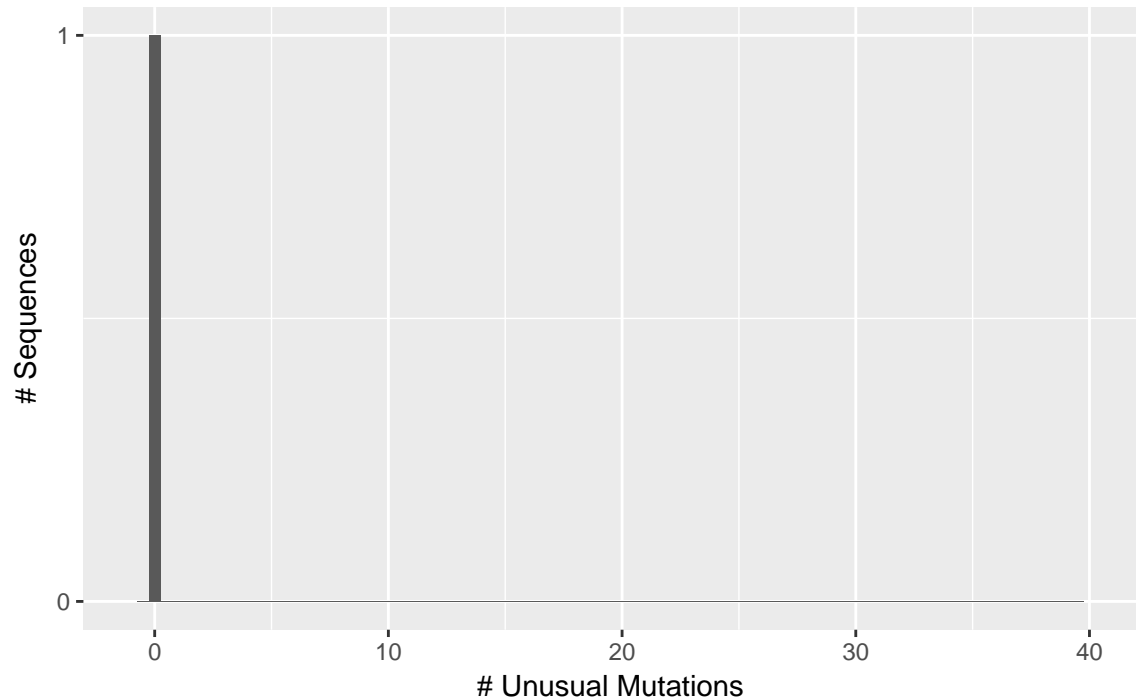
Unusual Mutations for gp41 Naive Sequences (29\_BF, n=2)



Unusual Mutations for gp41 Naive Sequences (28\_BF, n=3)

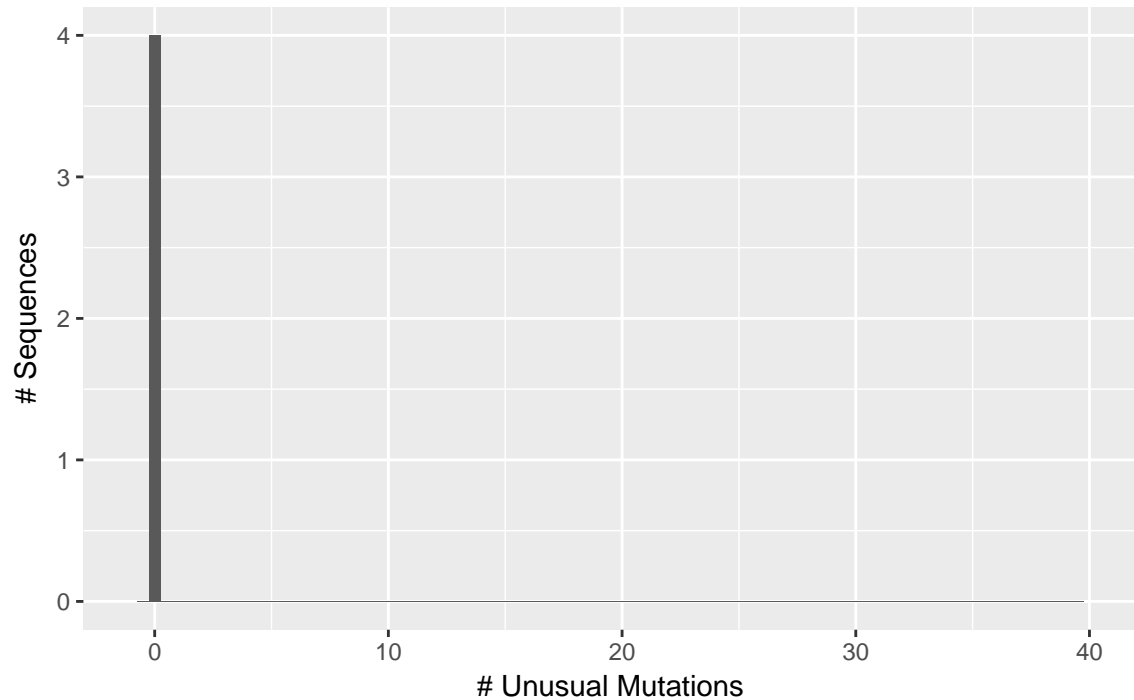


Unusual Mutations for gp41 Naive Sequences (AC, n=1)

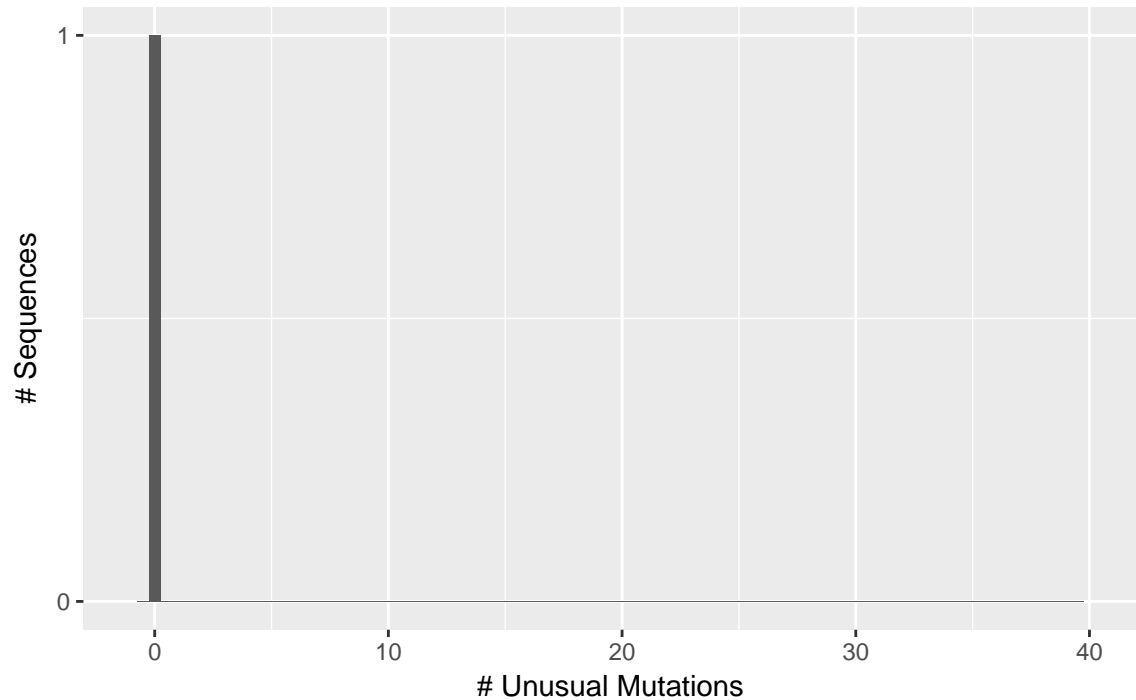




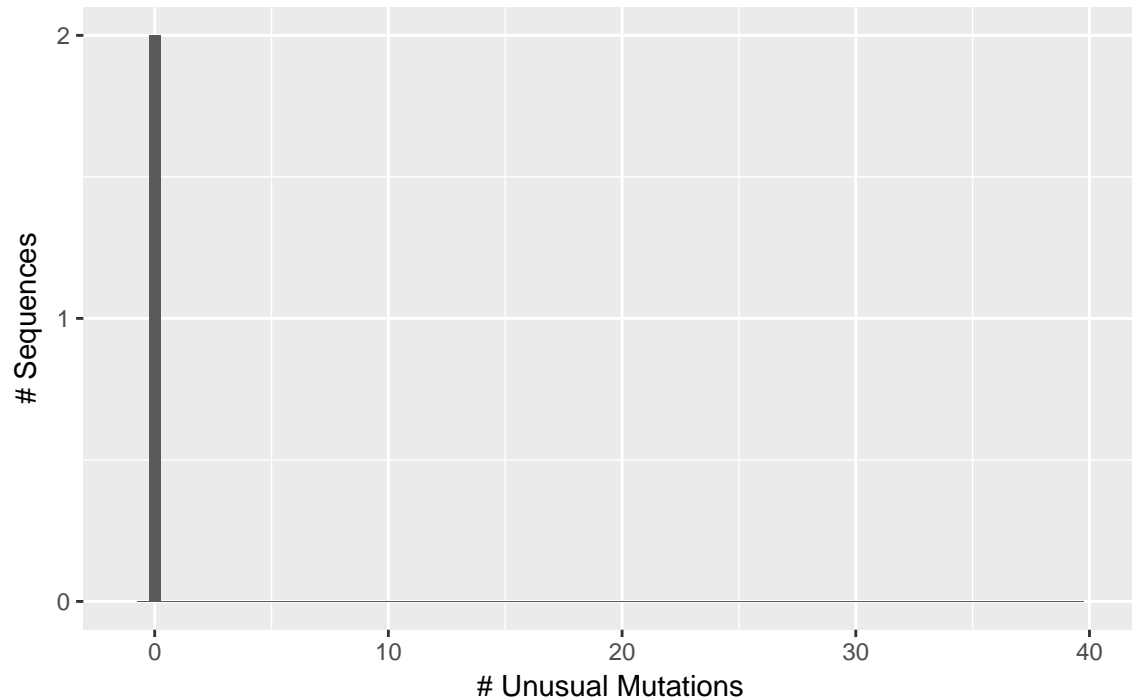
Unusual Mutations for gp41 Naive Sequences (33\_01B, n=4)



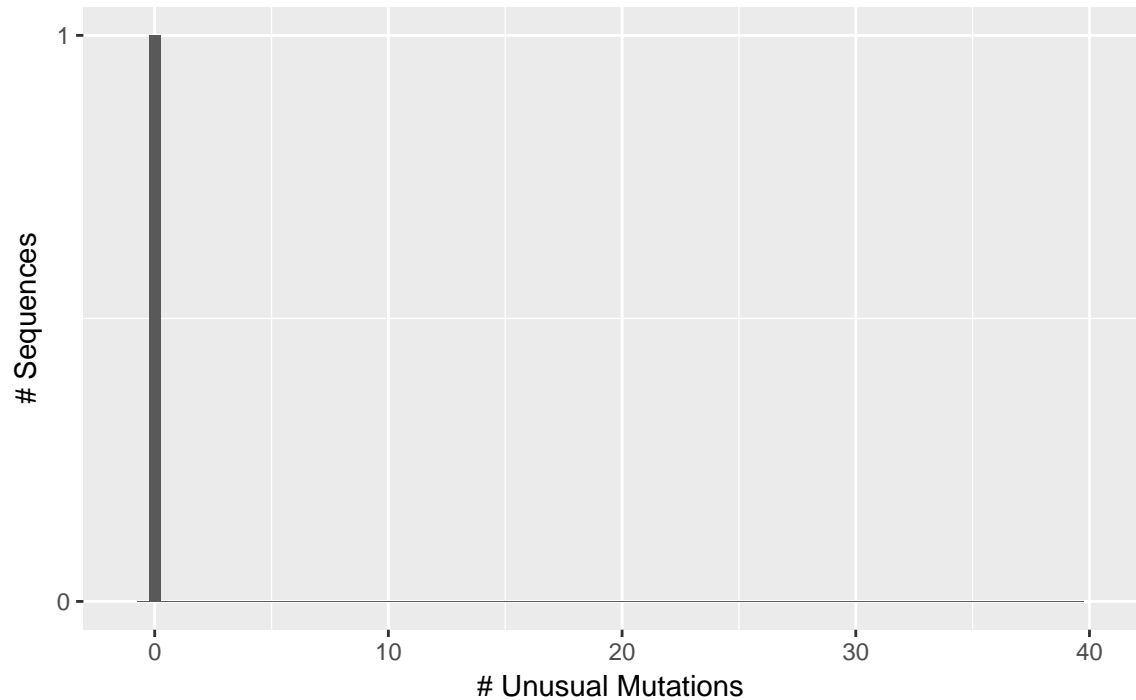
Unusual Mutations for gp41 Naive Sequences (53\_01B, n=1)



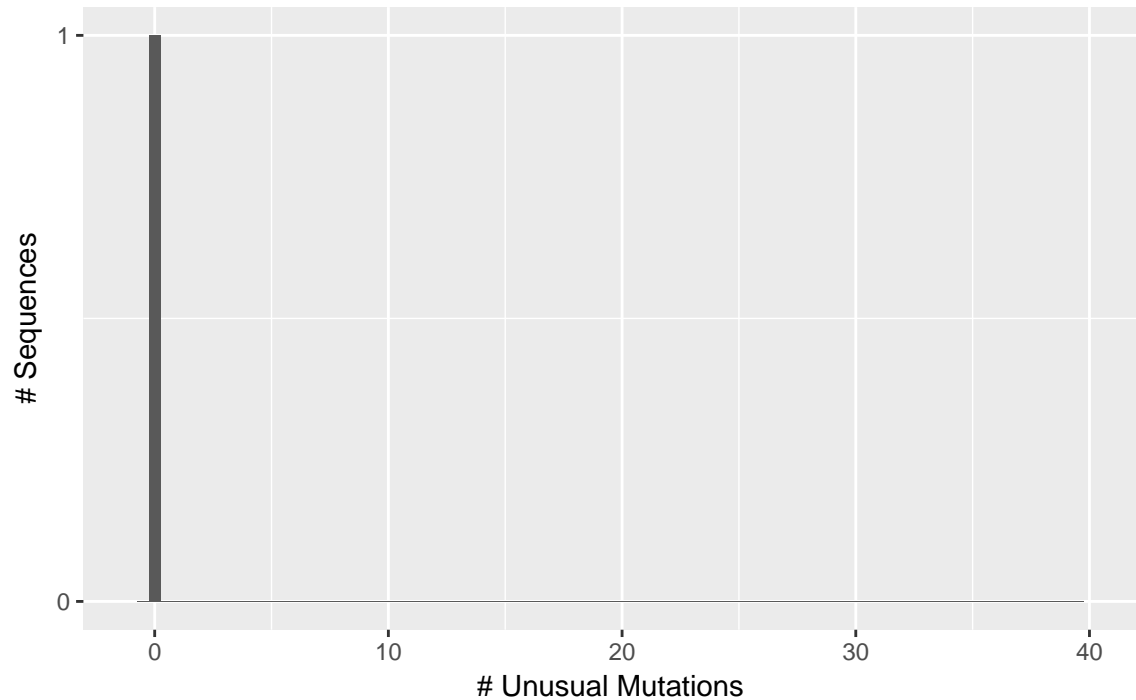
Unusual Mutations for gp41 Naive Sequences (BCF1, n=2)



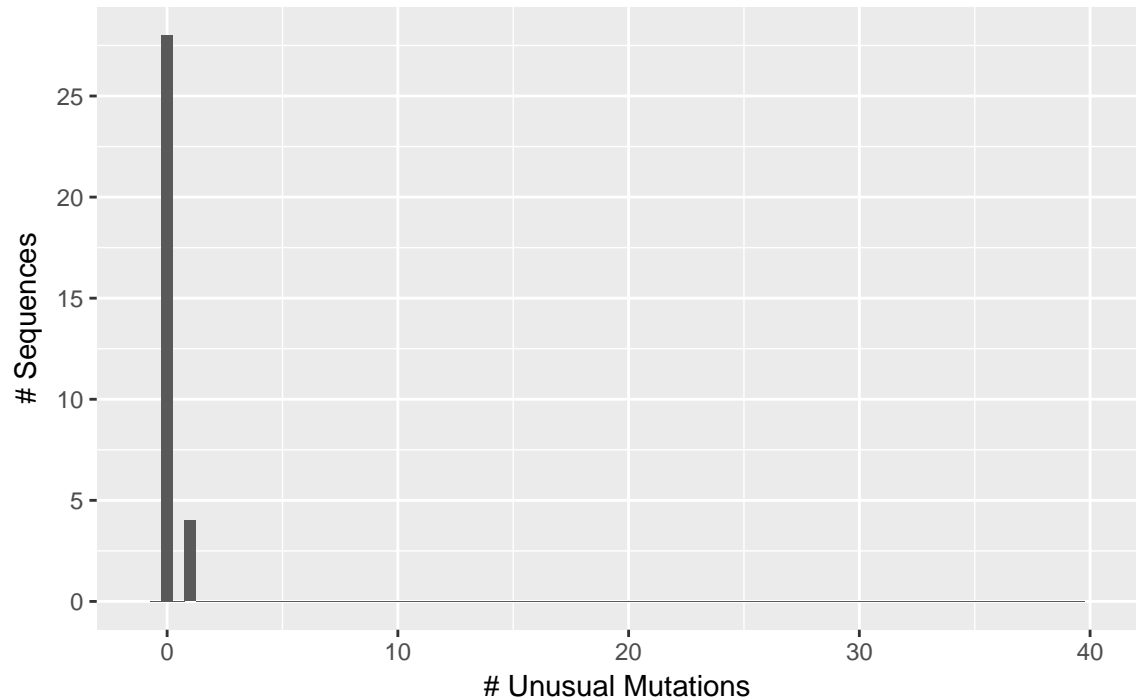
Unusual Mutations for gp41 Naive Sequences (A2CD, n=1)



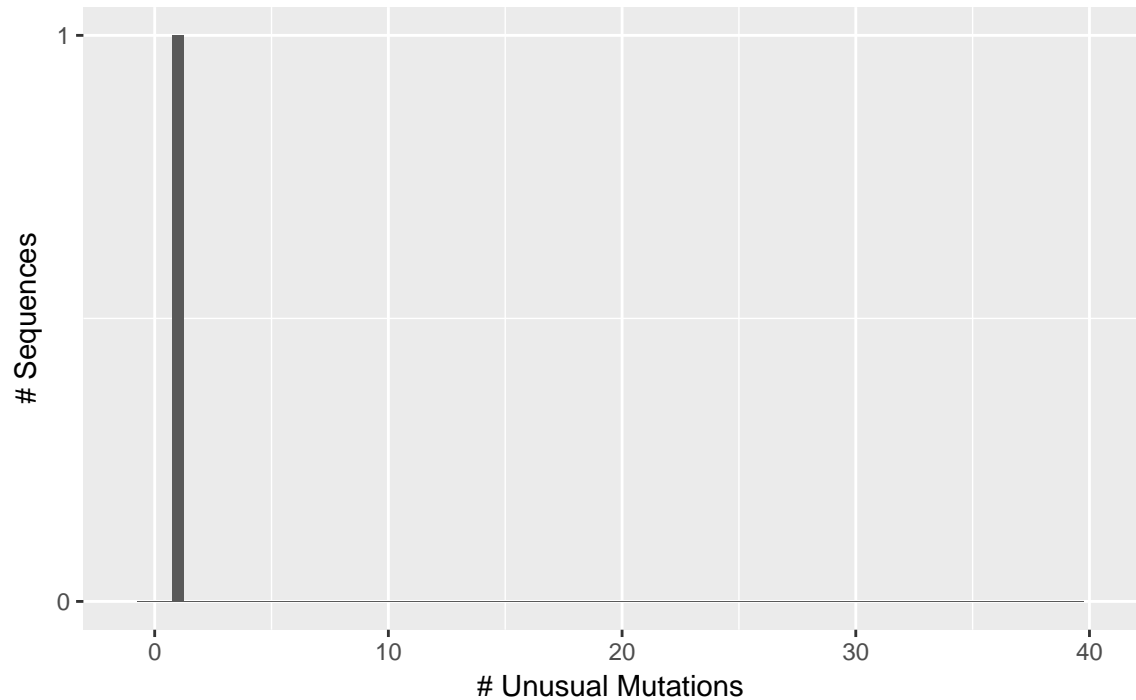
# Unusual Mutations for gp41 Naive Sequences (A1CG, n=1)



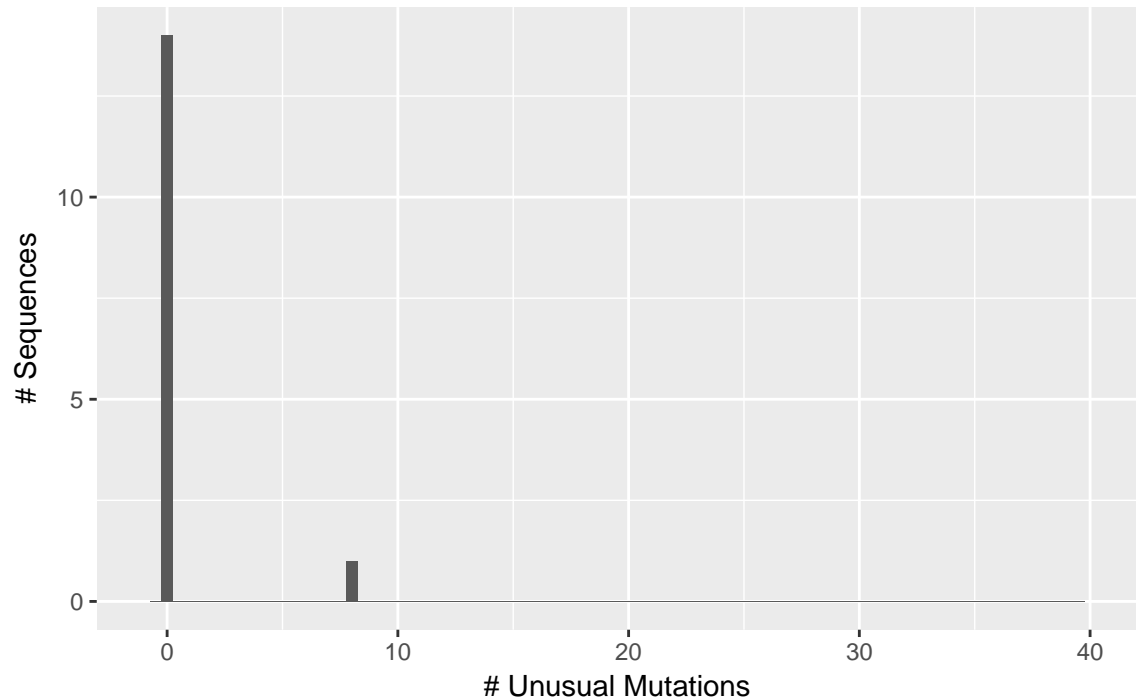
Unusual Mutations for gp41 Naive Sequences (07\_BC, n=32)



# Unusual Mutations for gp41 Naive Sequences (CF1U, n=1)

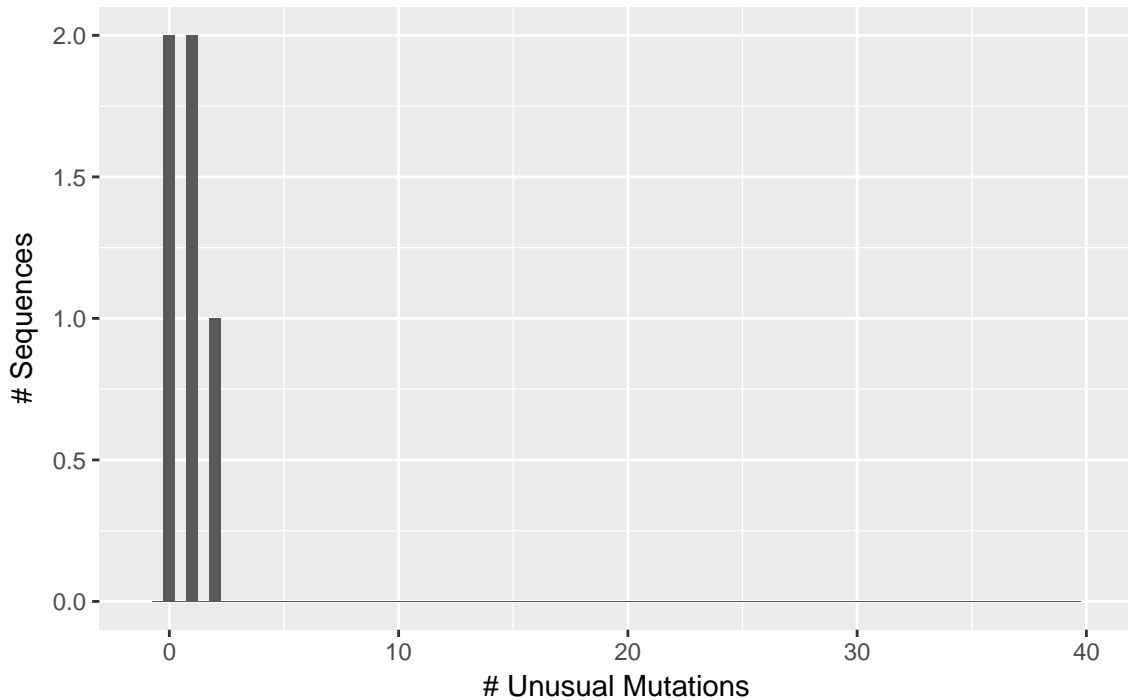


Unusual Mutations for gp41 Naive Sequences (42\_BF, n=15)

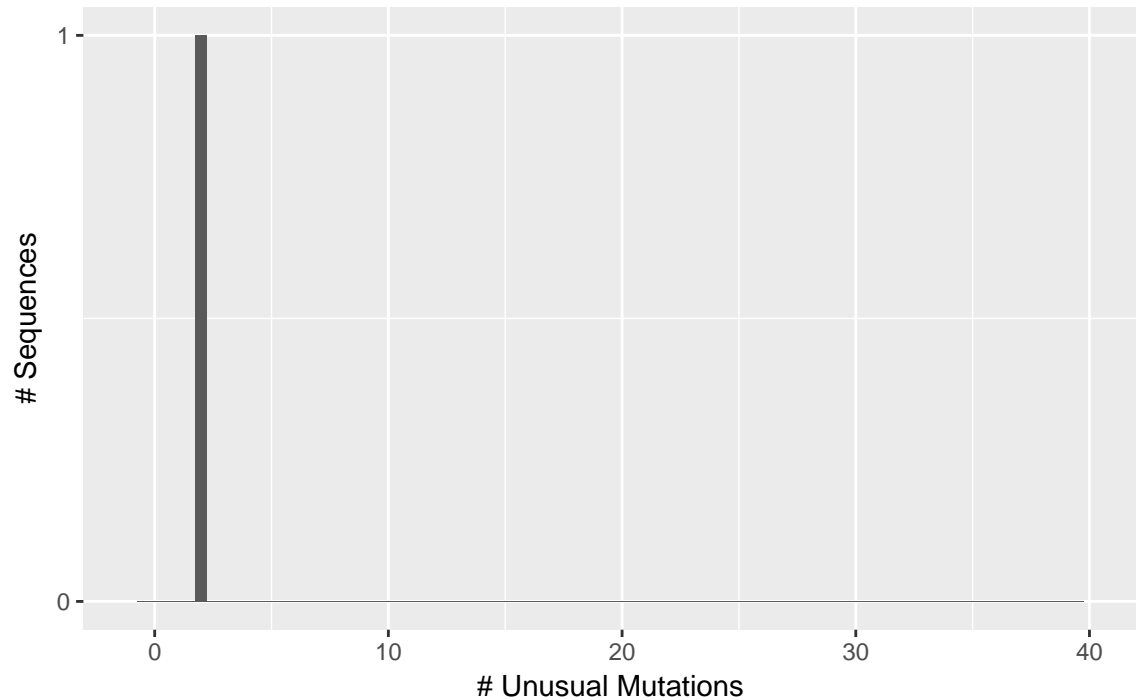




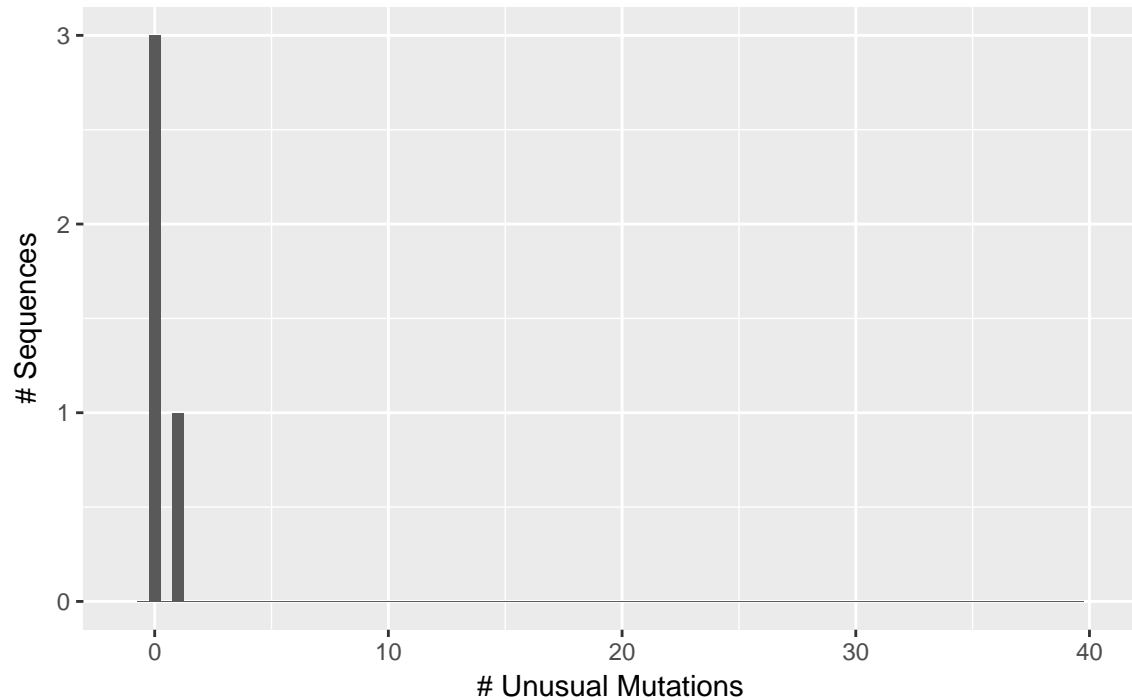
Unusual Mutations for gp41 Naive Sequences (A1U, n=5)



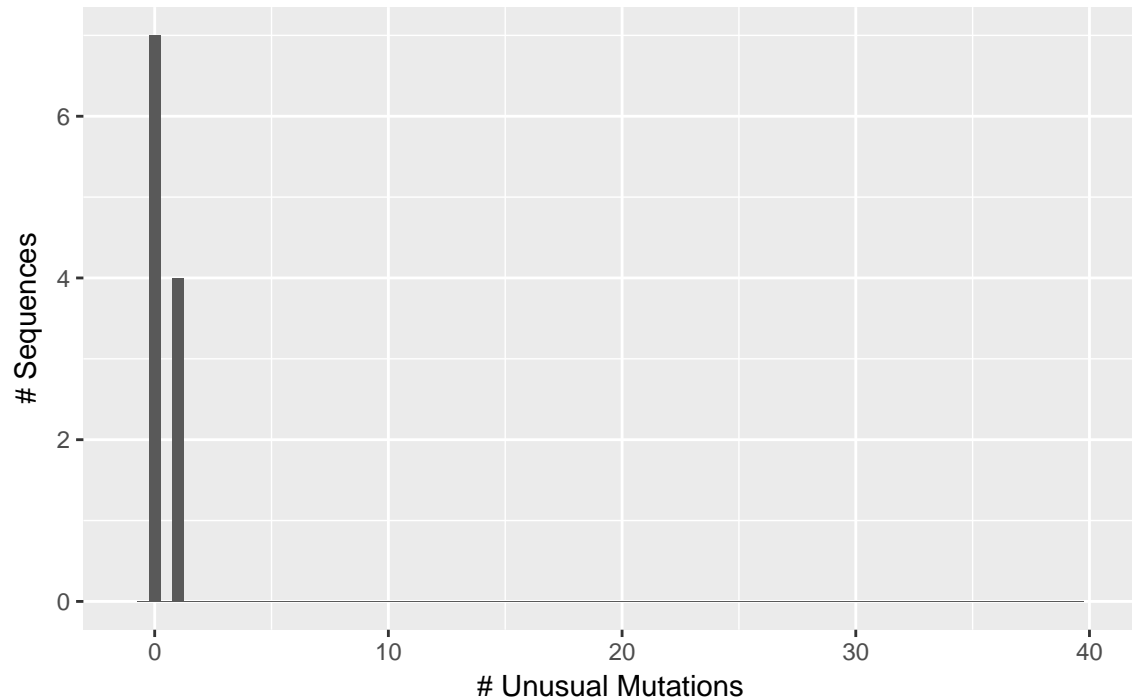
# Unusual Mutations for gp41 Naive Sequences (1113, n=1)



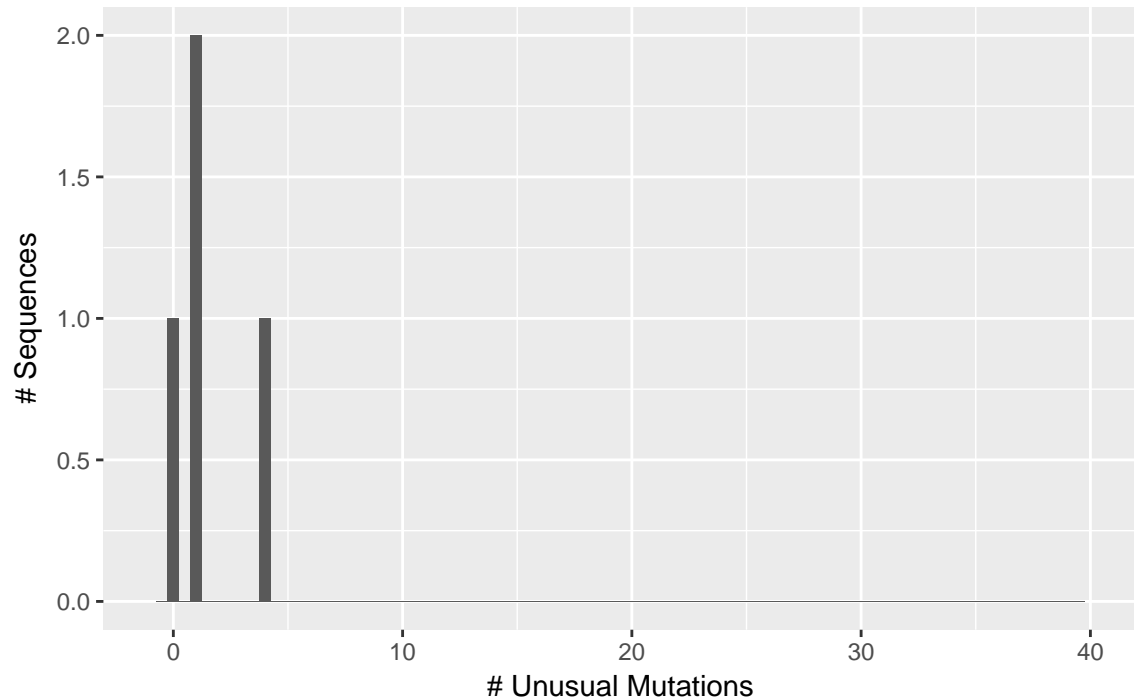
Unusual Mutations for gp41 Naive Sequences (06\_cpx, n=4)



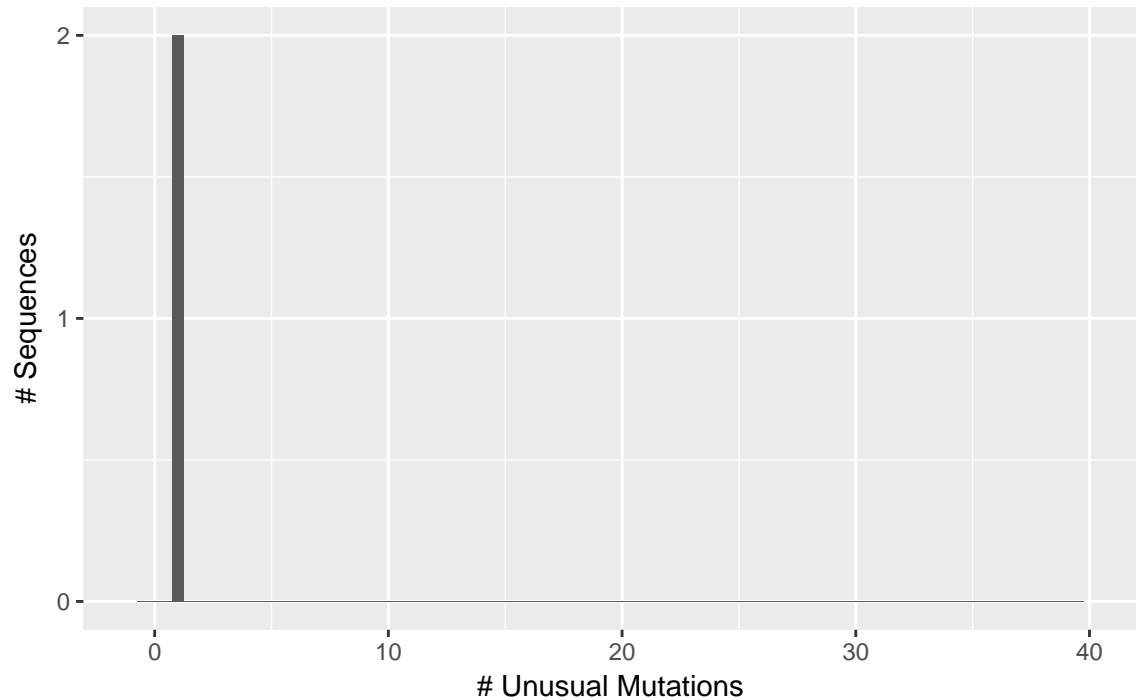
Unusual Mutations for gp41 Naive Sequences (08\_BC, n=11)



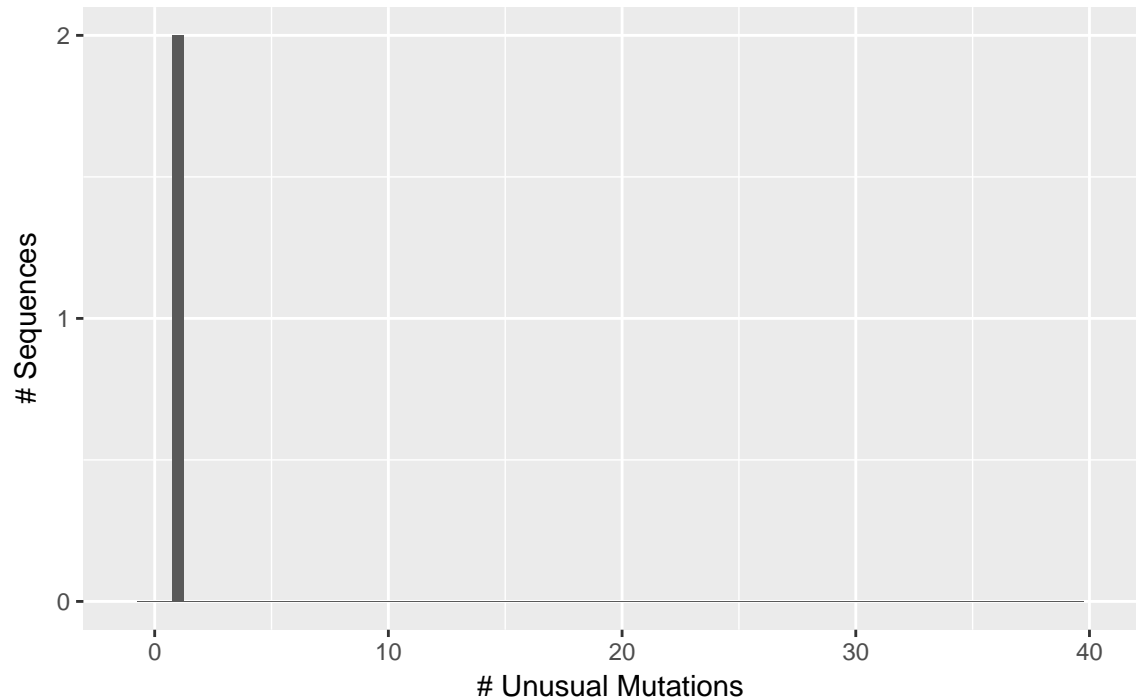
Unusual Mutations for gp41 Naive Sequences (01A1, n=4)



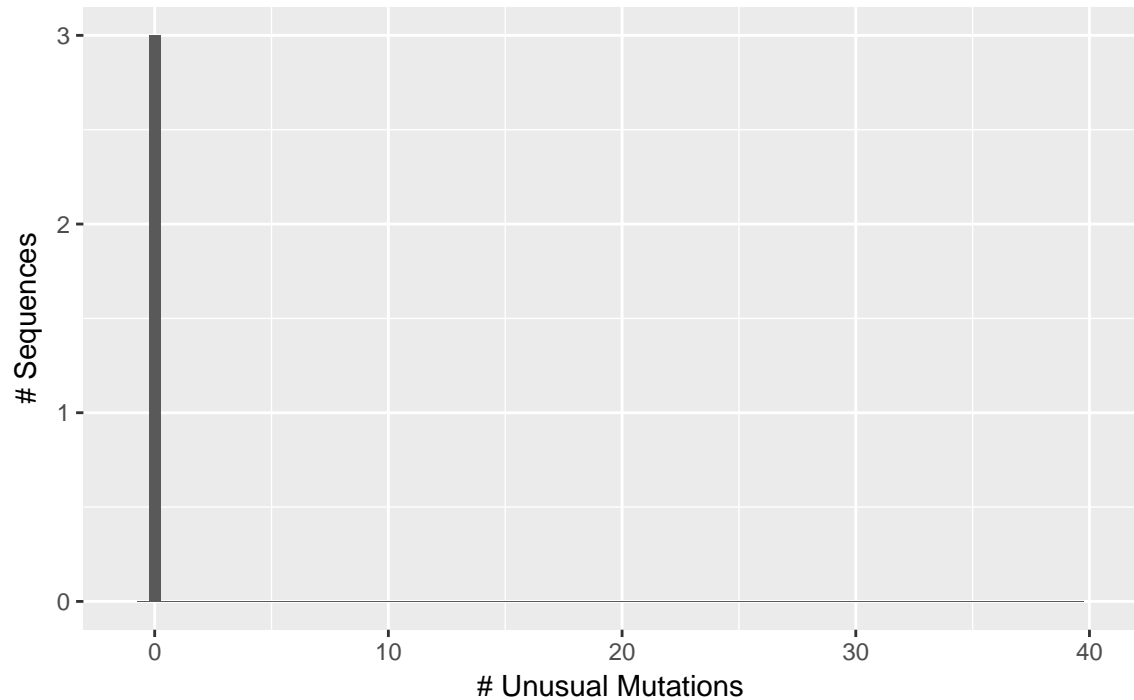
Unusual Mutations for gp41 Naive Sequences (A1A2CD, n=2)



Unusual Mutations for gp41 Naive Sequences (DG, n=2)

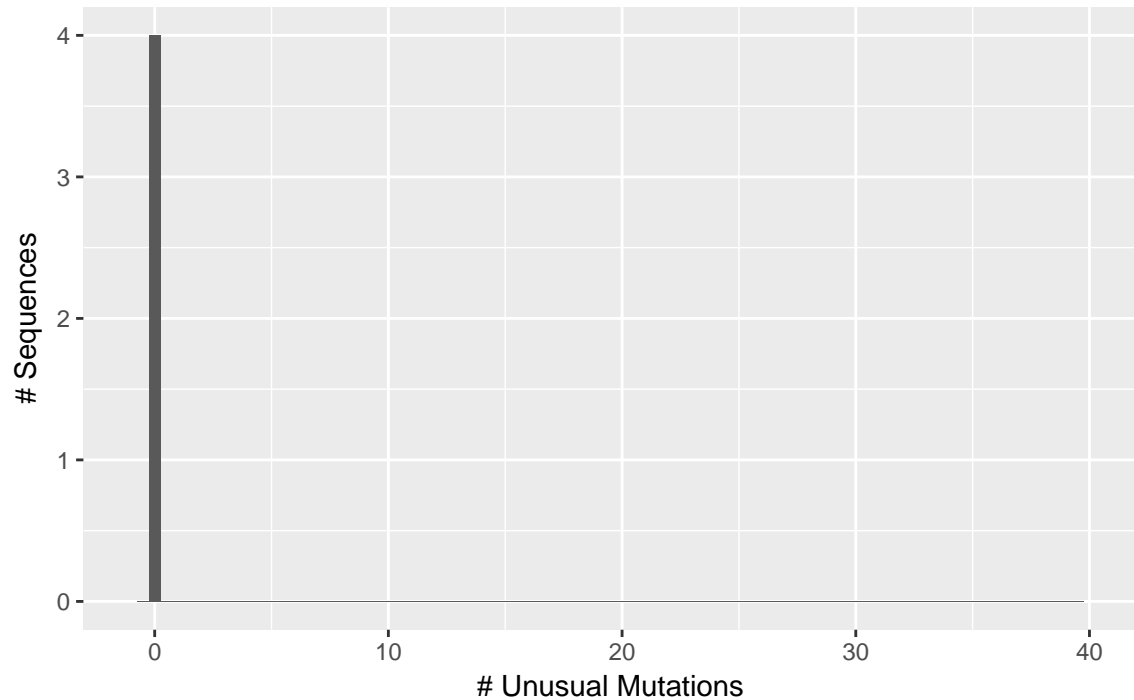


Unusual Mutations for gp41 Naive Sequences (02A, n=3)

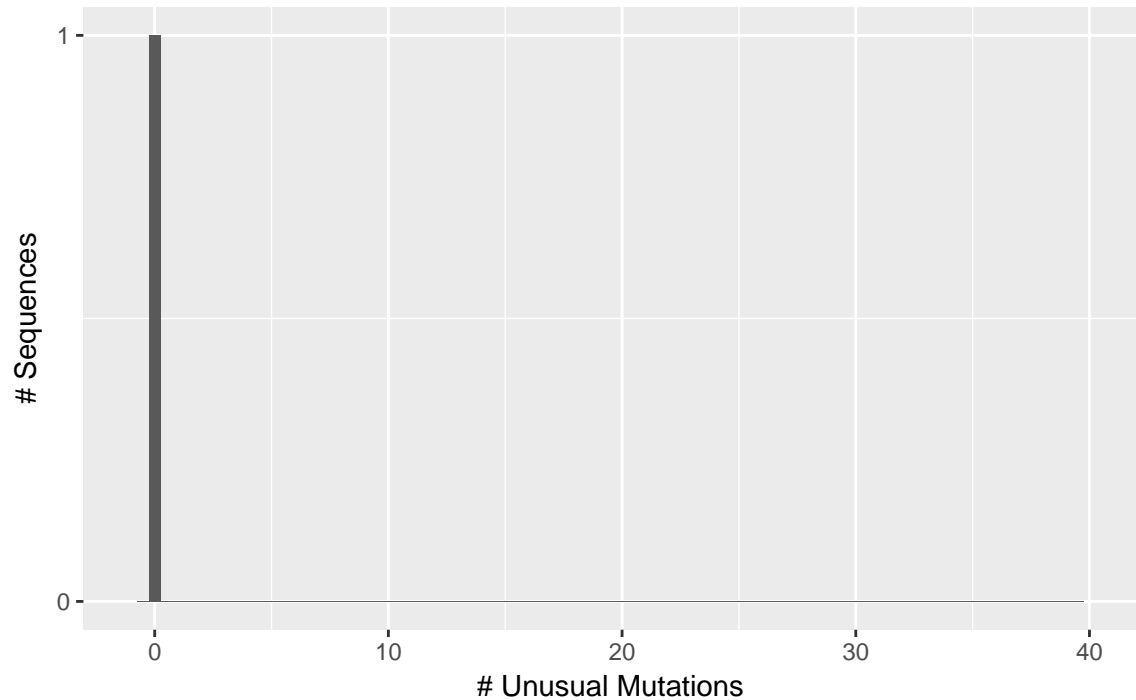




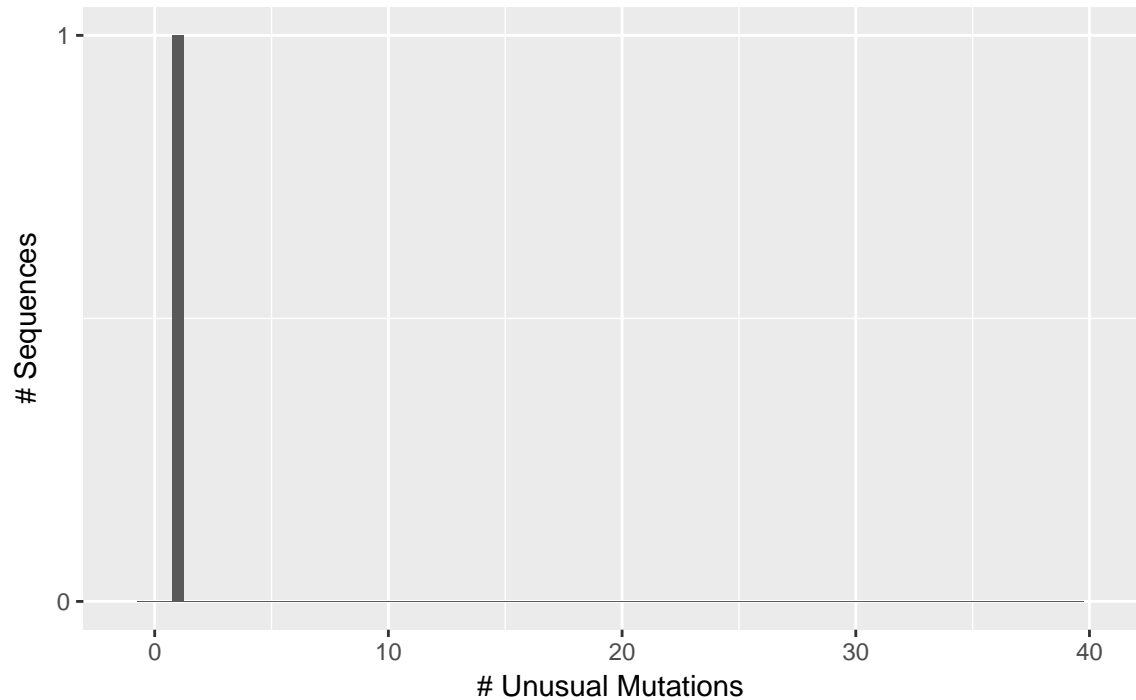
Unusual Mutations for gp41 Naive Sequences (14\_BG, n=4)



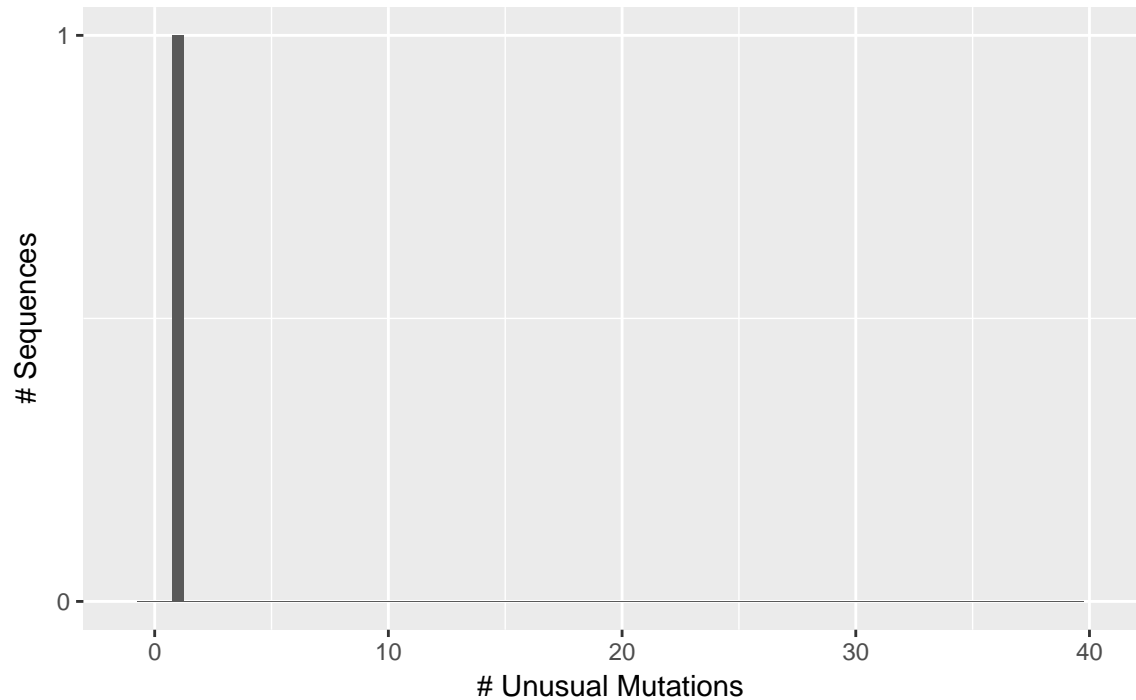
Unusual Mutations for gp41 Naive Sequences (24\_BG, n=1)



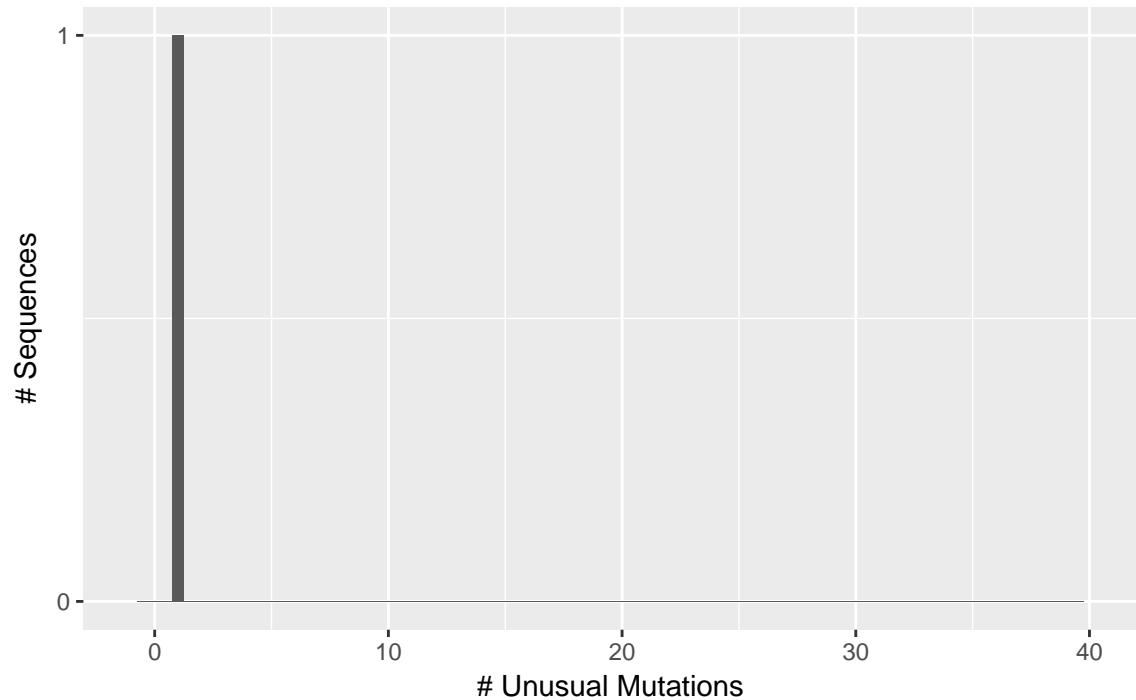
# Unusual Mutations for gp41 Naive Sequences (DF1G, n=1)



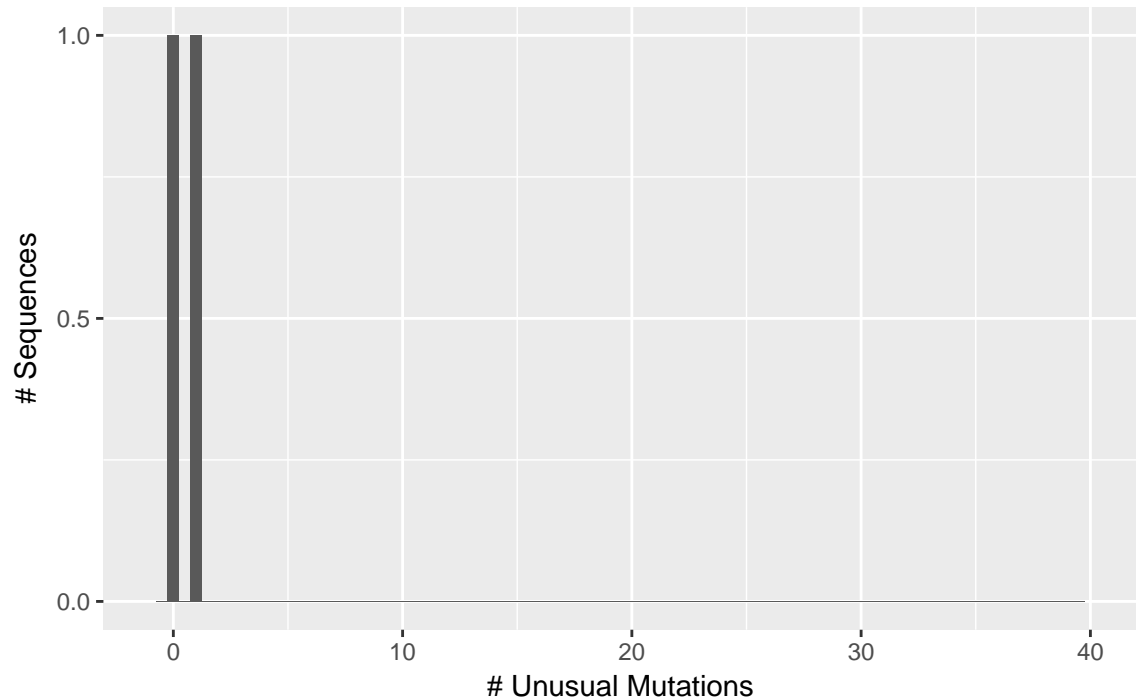
Unusual Mutations for gp41 Naive Sequences (A2D, n=1)



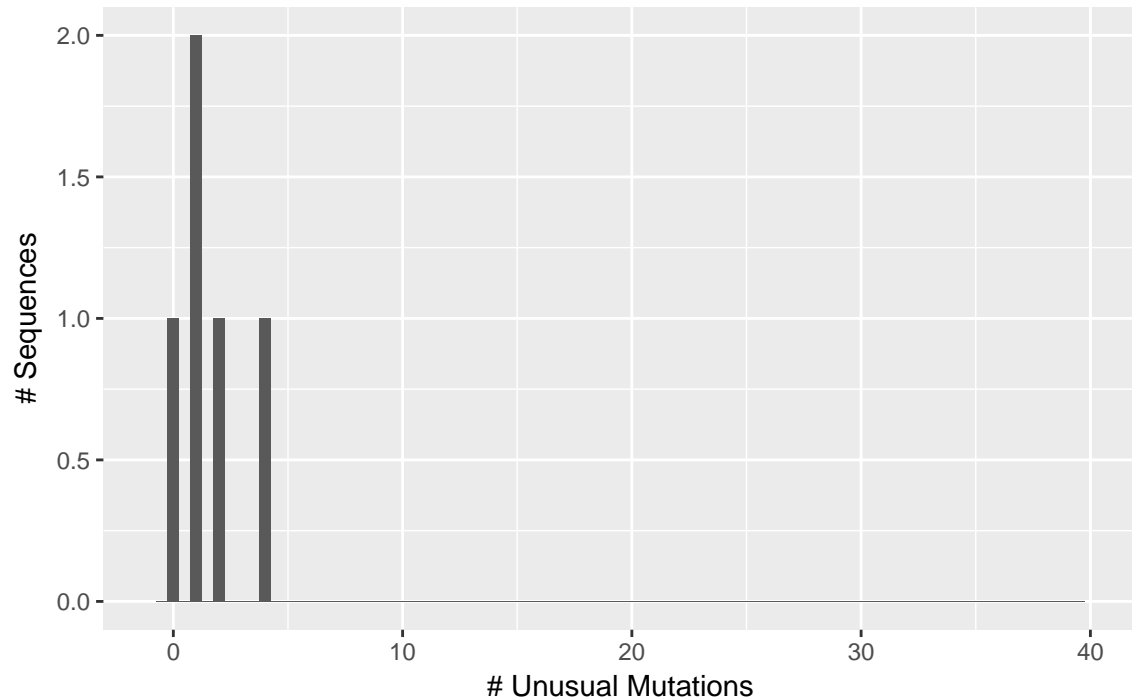
# Unusual Mutations for gp41 Naive Sequences (GJ, n=1)



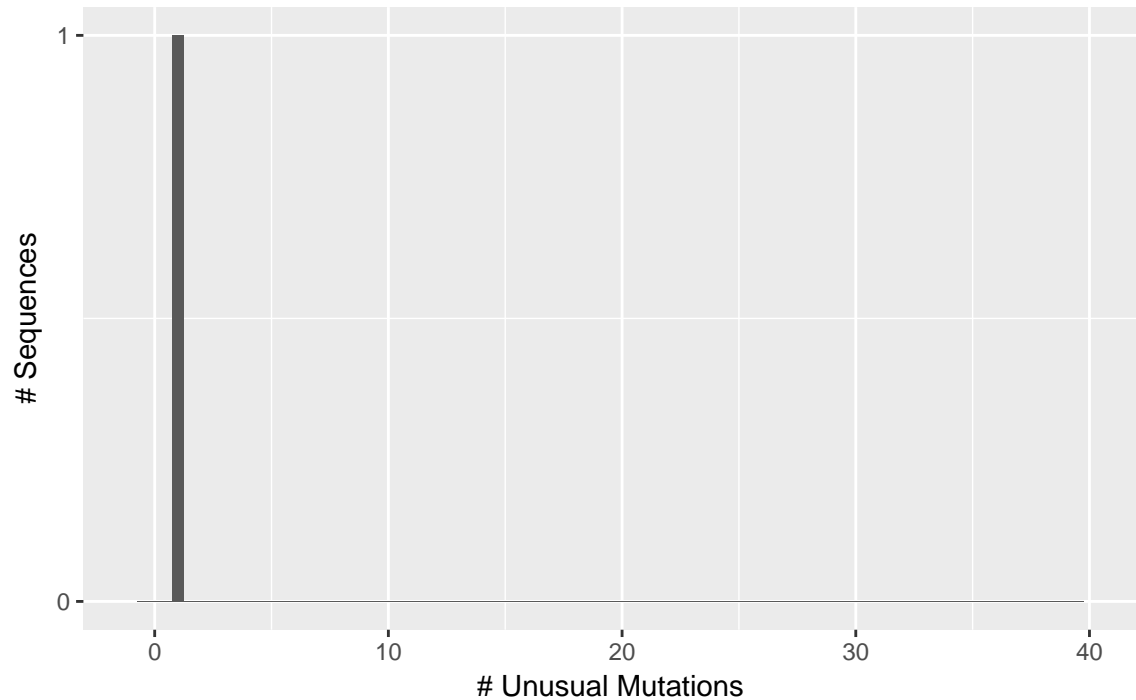
Unusual Mutations for gp41 Naive Sequences (CF1, n=2)



Unusual Mutations for gp41 Naive Sequences (49\_cpx, n=5)

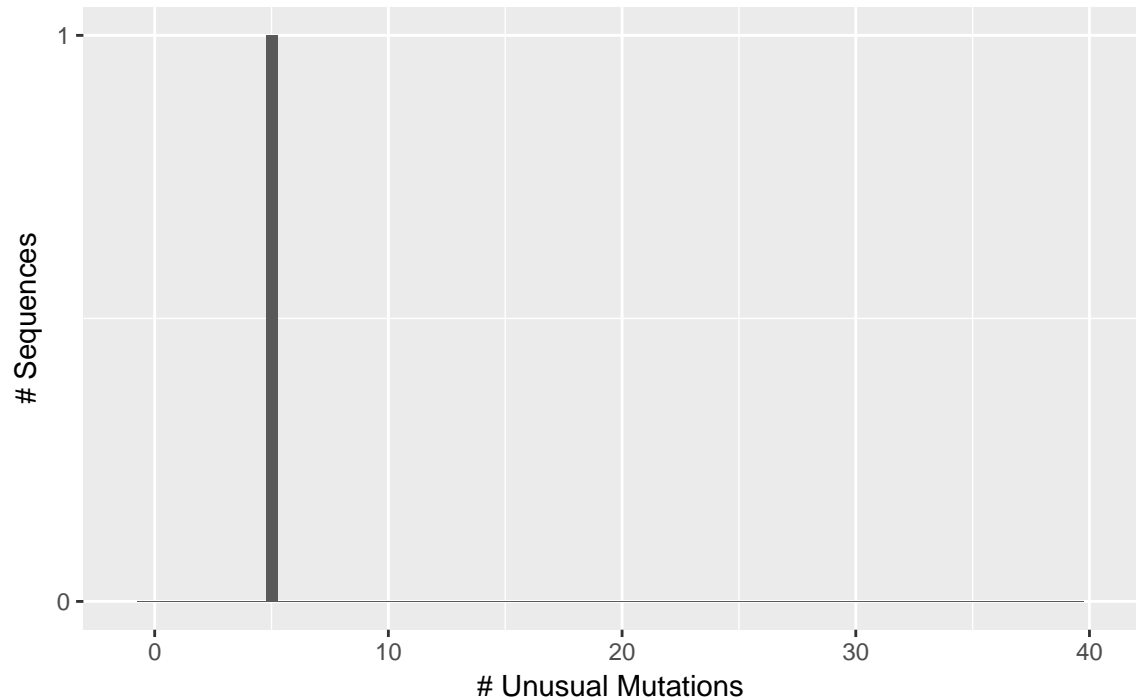


# Unusual Mutations for gp41 Naive Sequences (0209, n=1)

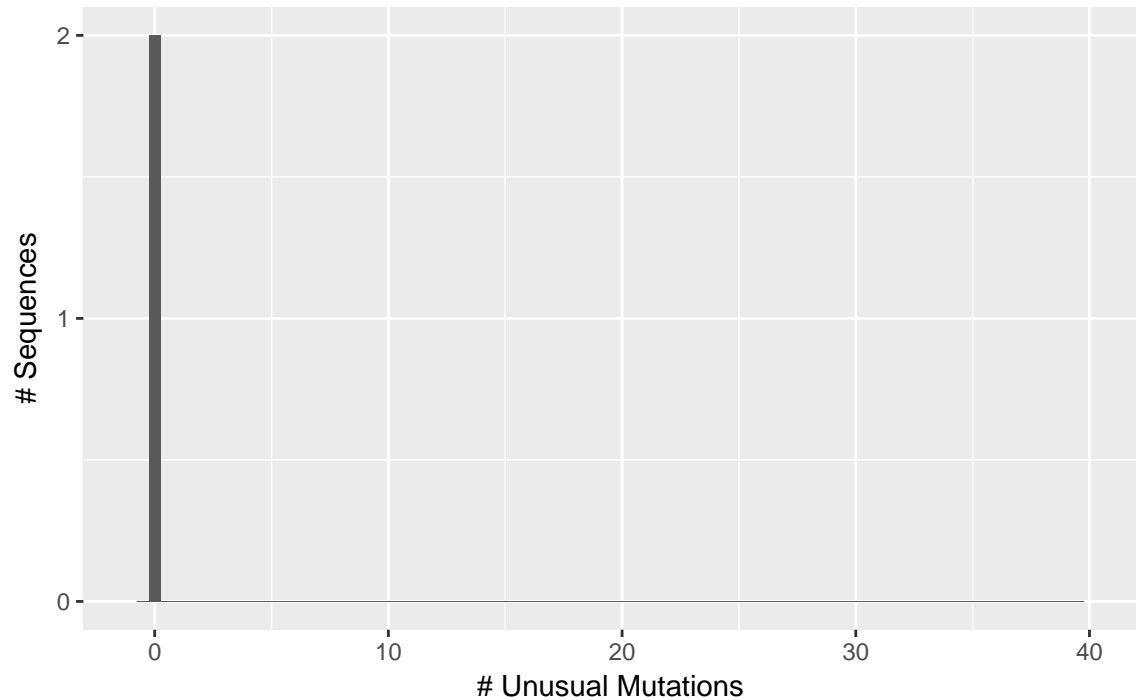




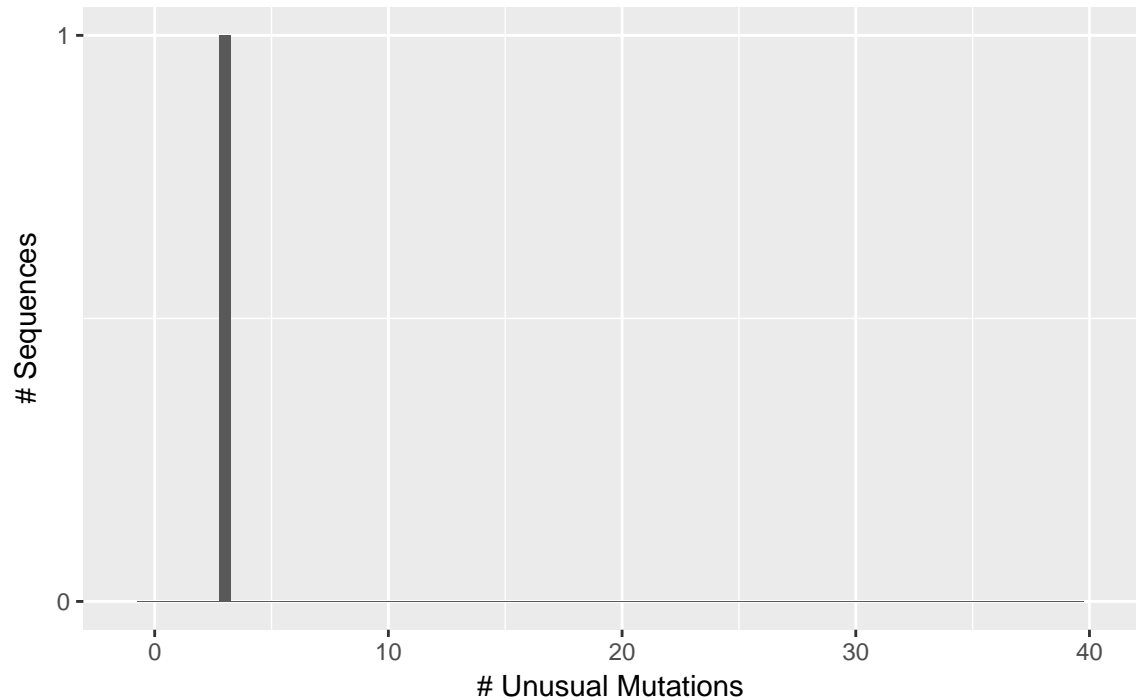
# Unusual Mutations for gp41 Naive Sequences (A1F1, n=1)



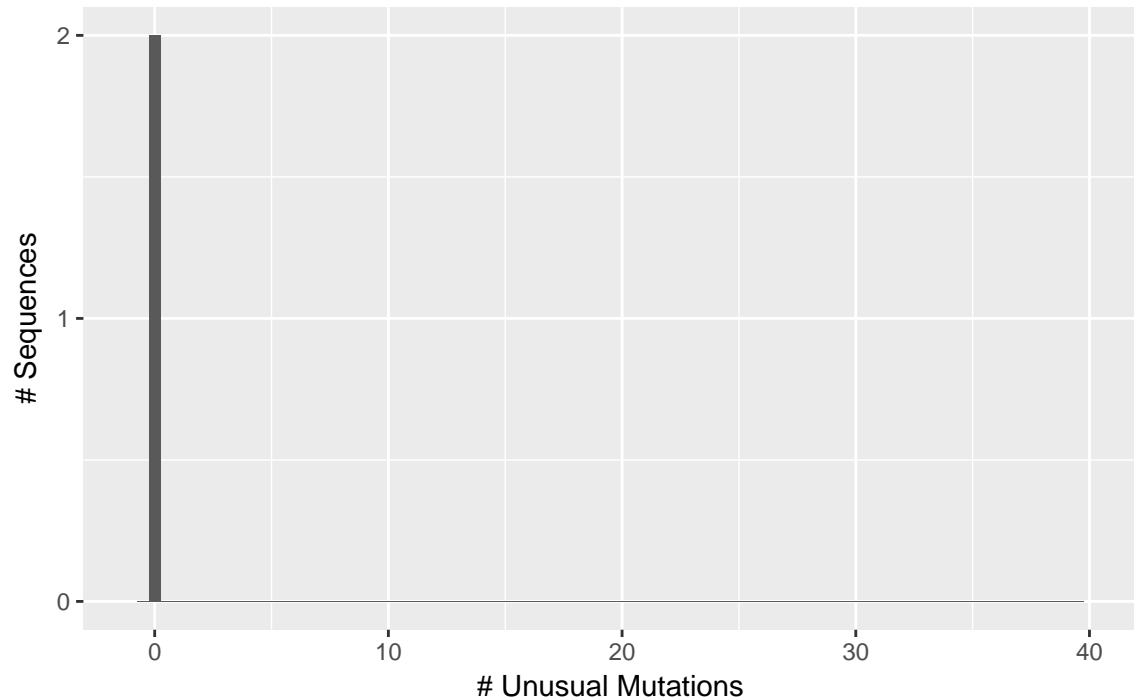
Unusual Mutations for gp41 Naive Sequences (37\_cpx, n=2)



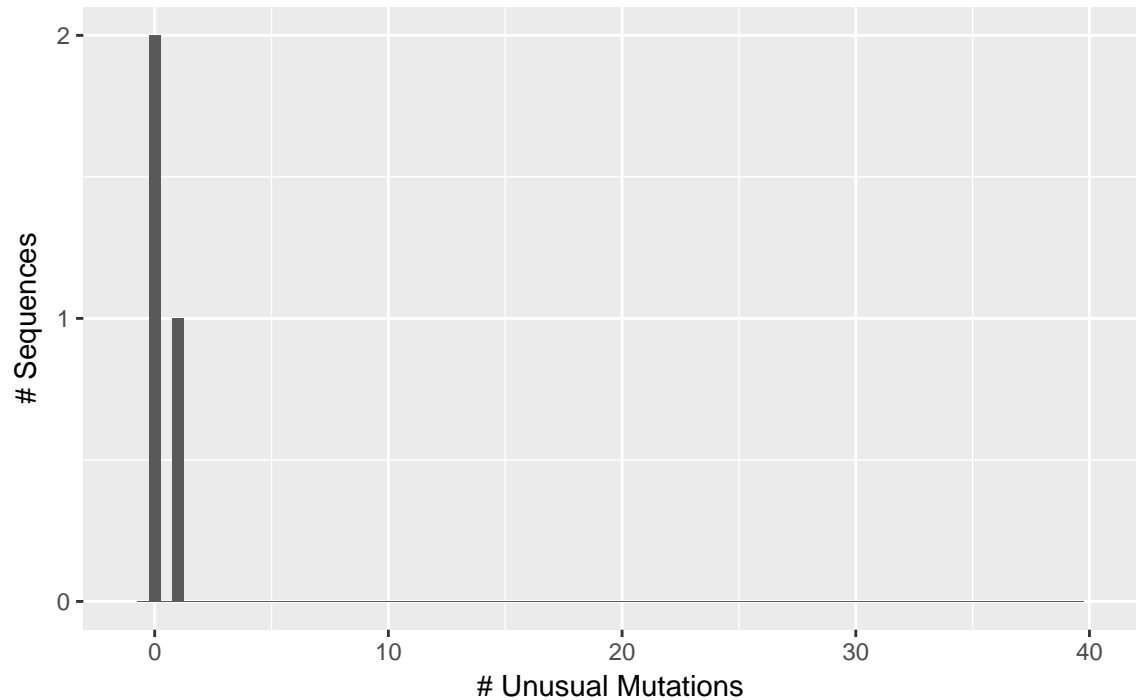
# Unusual Mutations for gp41 Naive Sequences (02BG, n=1)



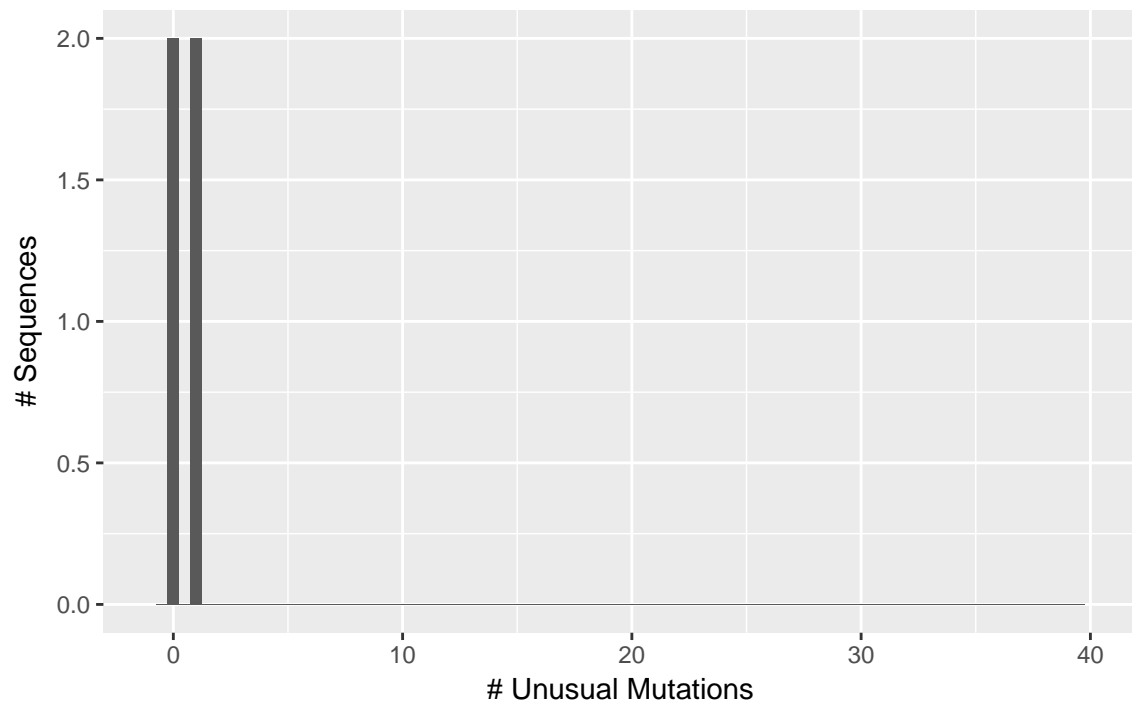
Unusual Mutations for gp41 Naive Sequences (02D, n=2)



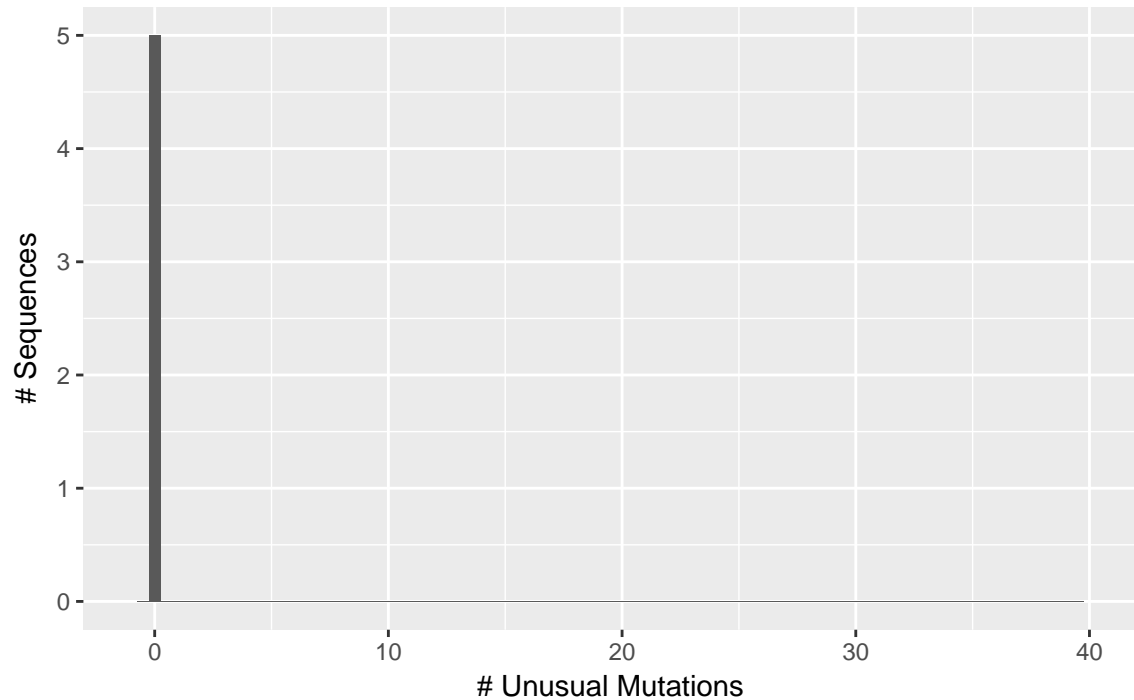
Unusual Mutations for gp41 Naive Sequences (A1B, n=3)



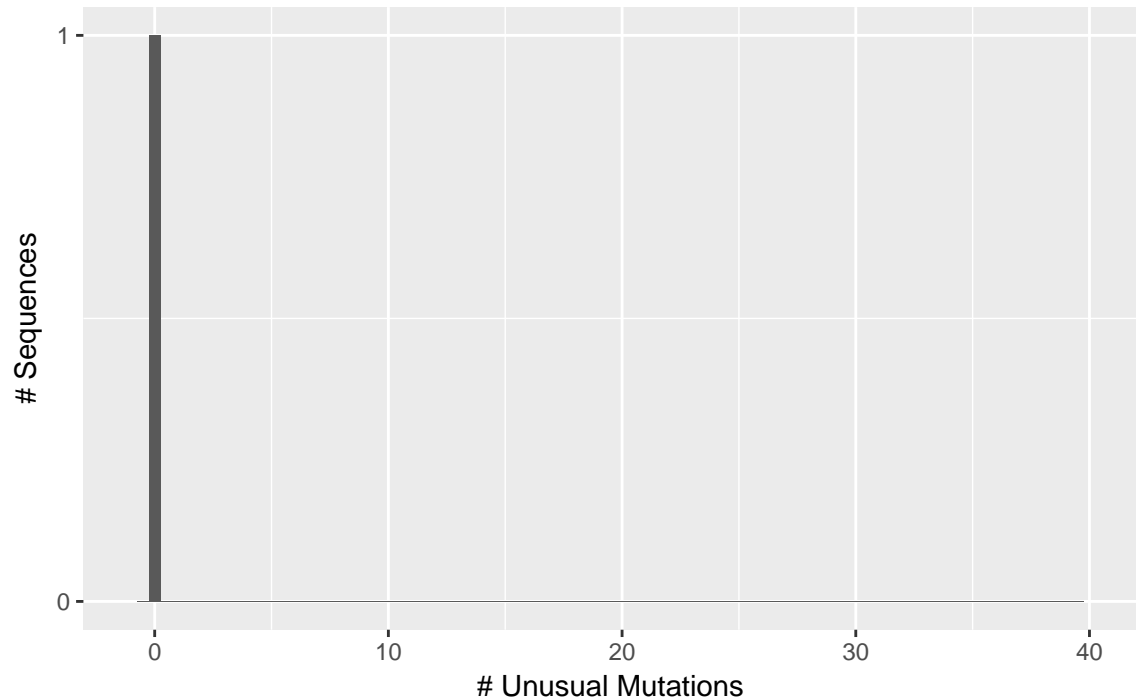
Unusual Mutations for gp41 Naive Sequences (04\_cpx, n=4)



Unusual Mutations for gp41 Naive Sequences (63\_02A1, n=5)

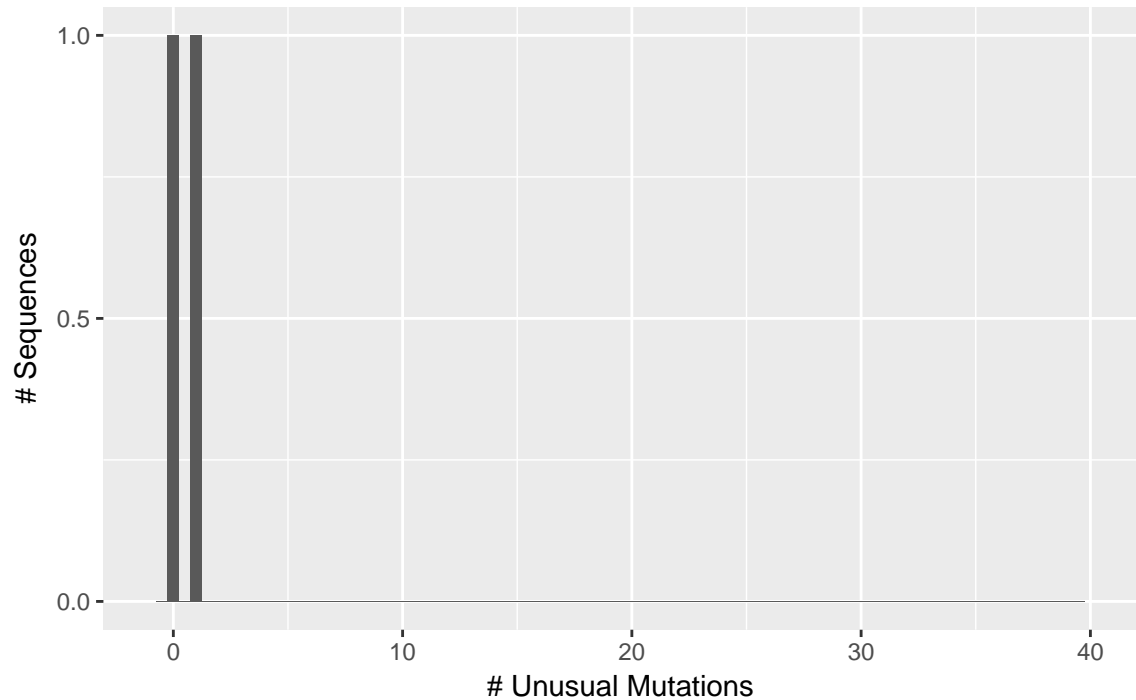


Unusual Mutations for gp41 Naive Sequences (59\_01B, n=1)

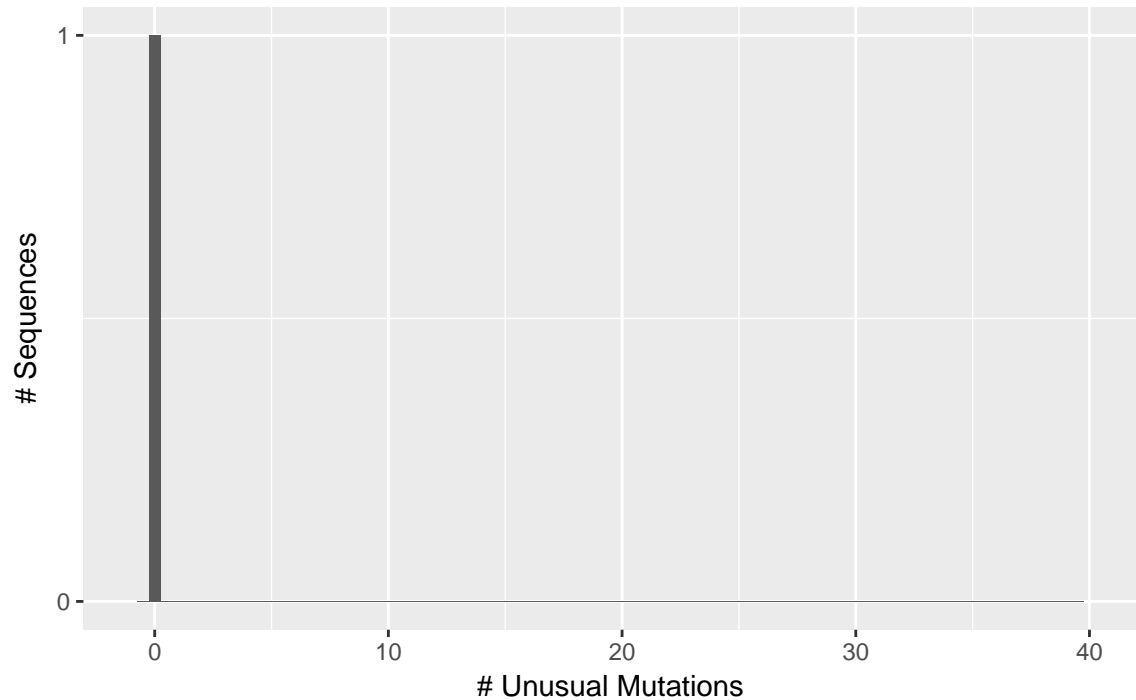




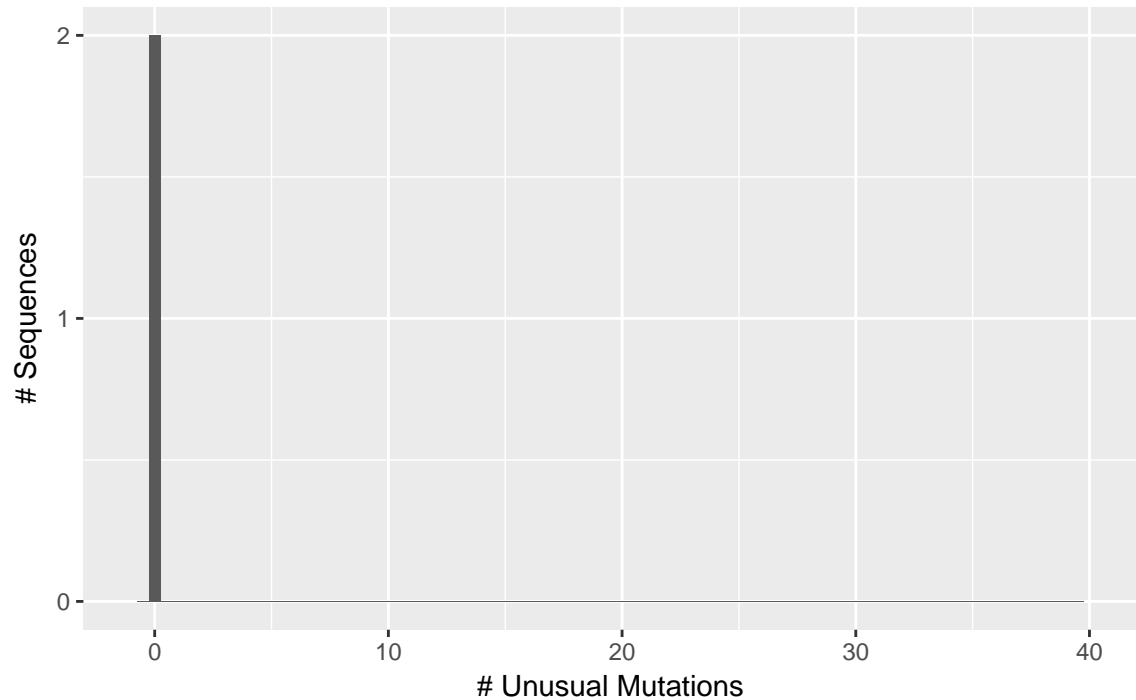
Unusual Mutations for gp41 Naive Sequences (55\_01B, n=2)



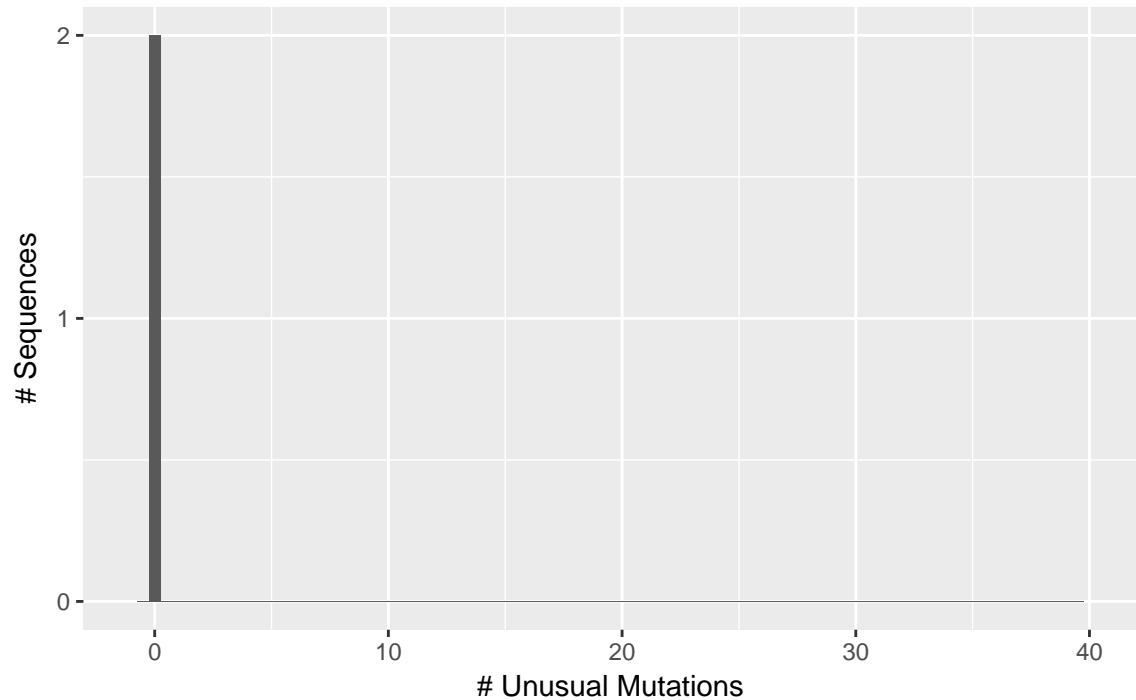
Unusual Mutations for gp41 Naive Sequences (65\_cpx, n=1)



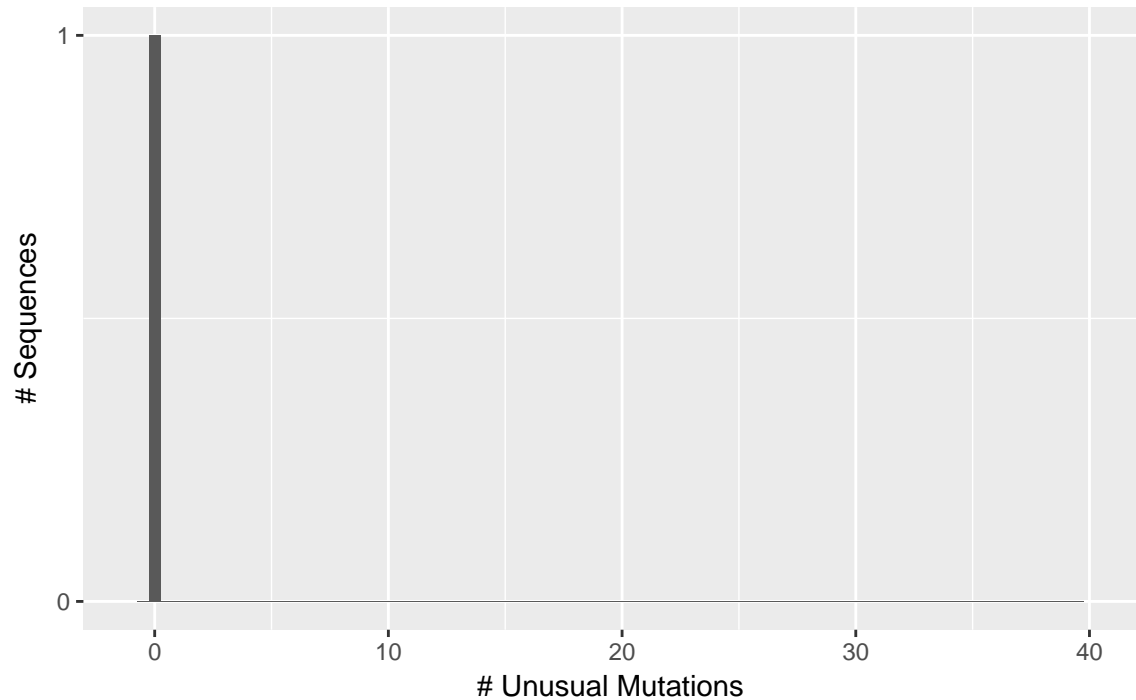
Unusual Mutations for gp41 Naive Sequences (67\_01B, n=2)



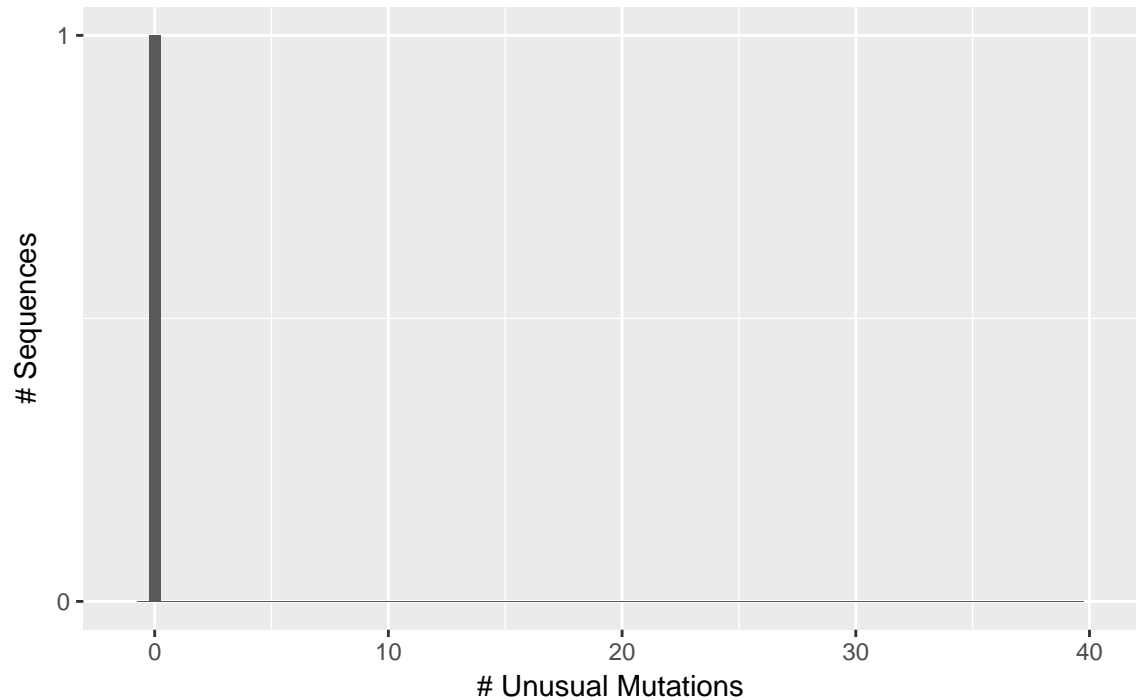
Unusual Mutations for gp41 Naive Sequences (68\_01B, n=2)



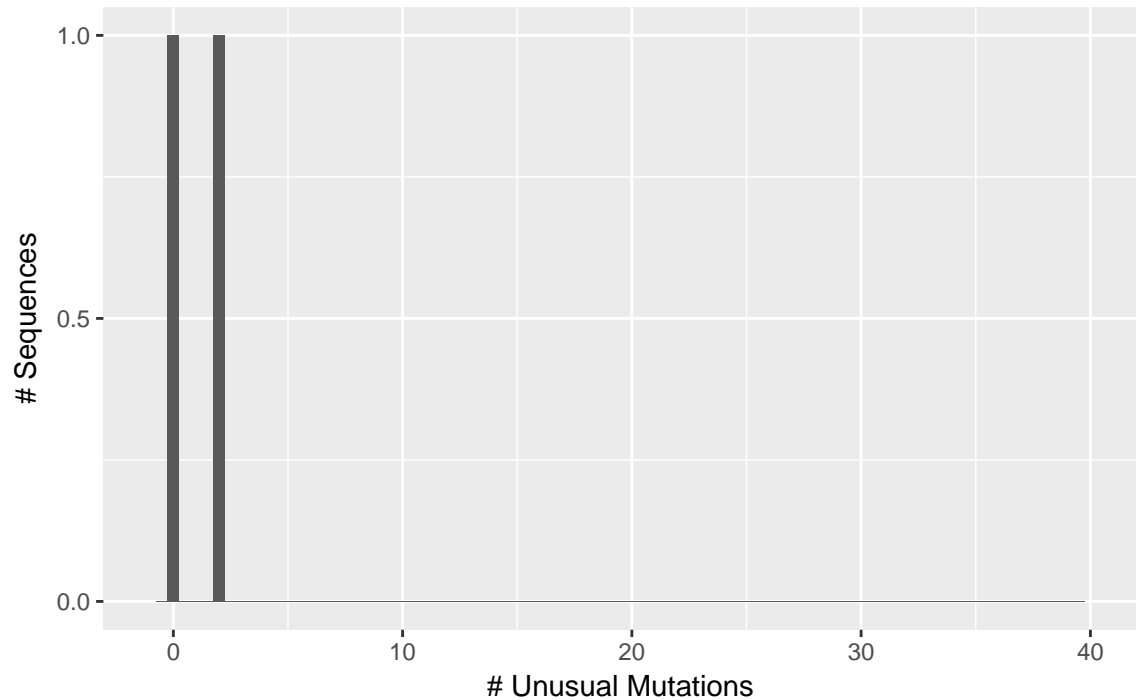
Unusual Mutations for gp41 Naive Sequences (A1GJ, n=1)



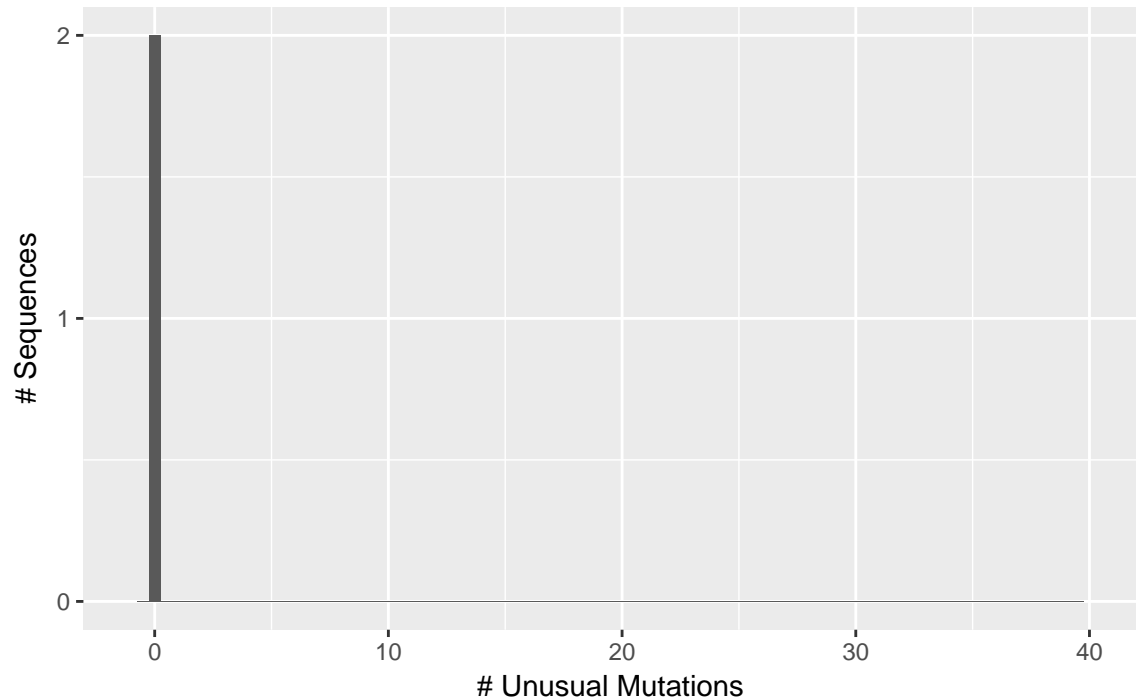
Unusual Mutations for gp41 Naive Sequences (BG, n=1)



Unusual Mutations for gp41 Naive Sequences (88\_BC, n=2)

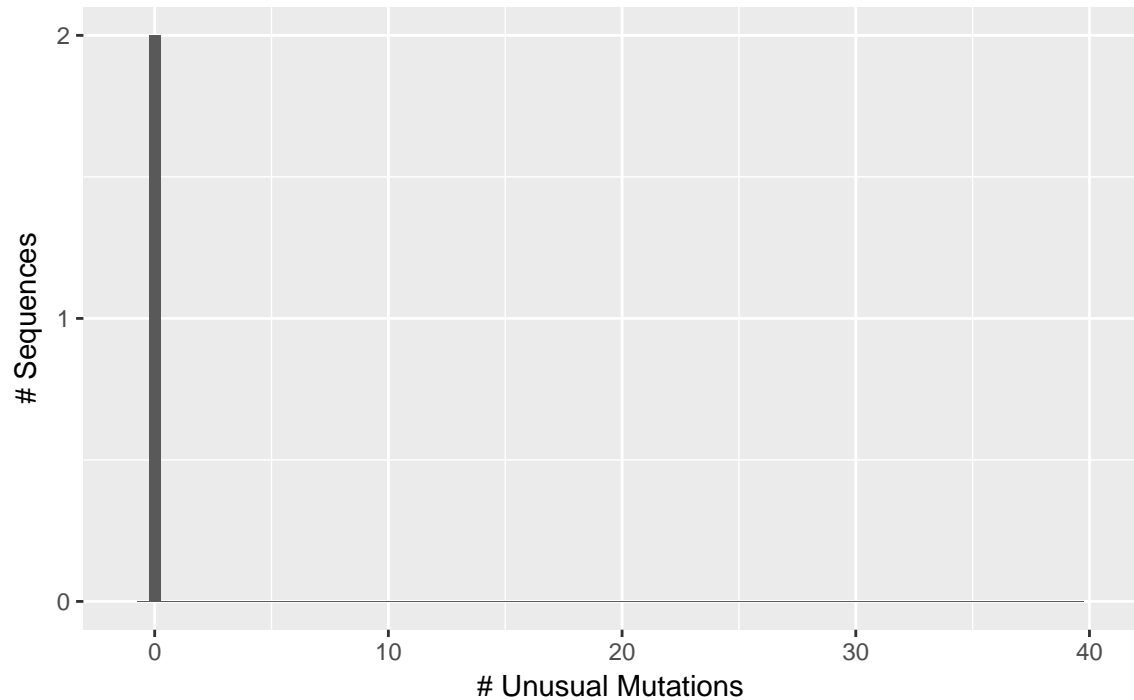


Unusual Mutations for gp41 Naive Sequences (87\_cpx, n=2)

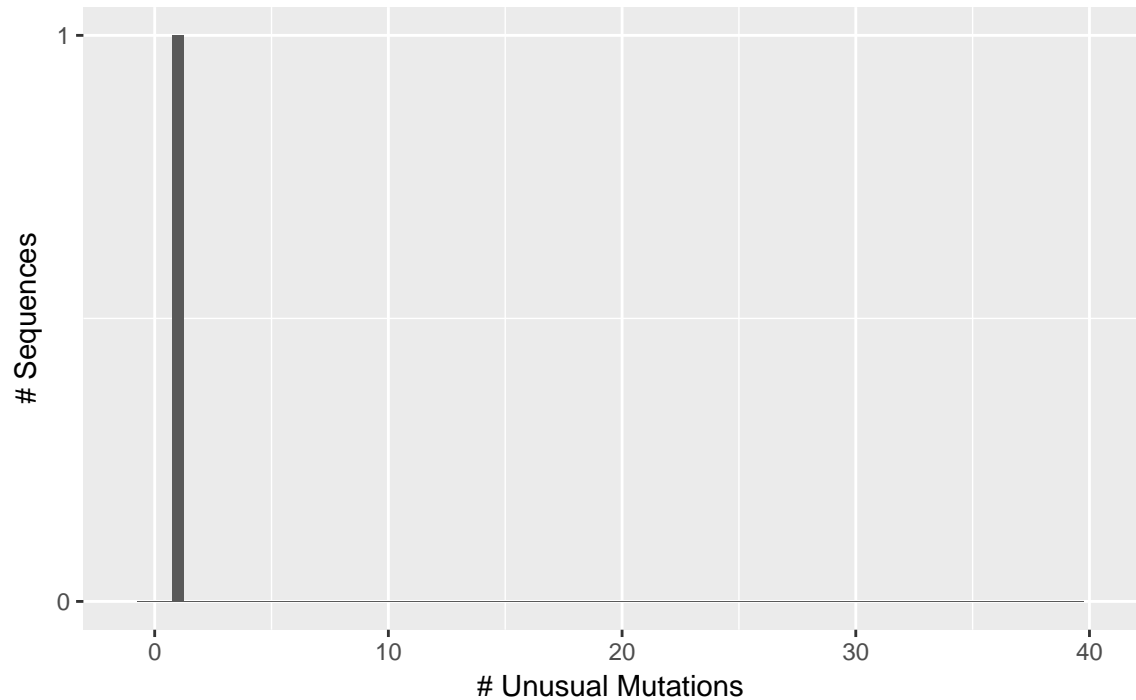




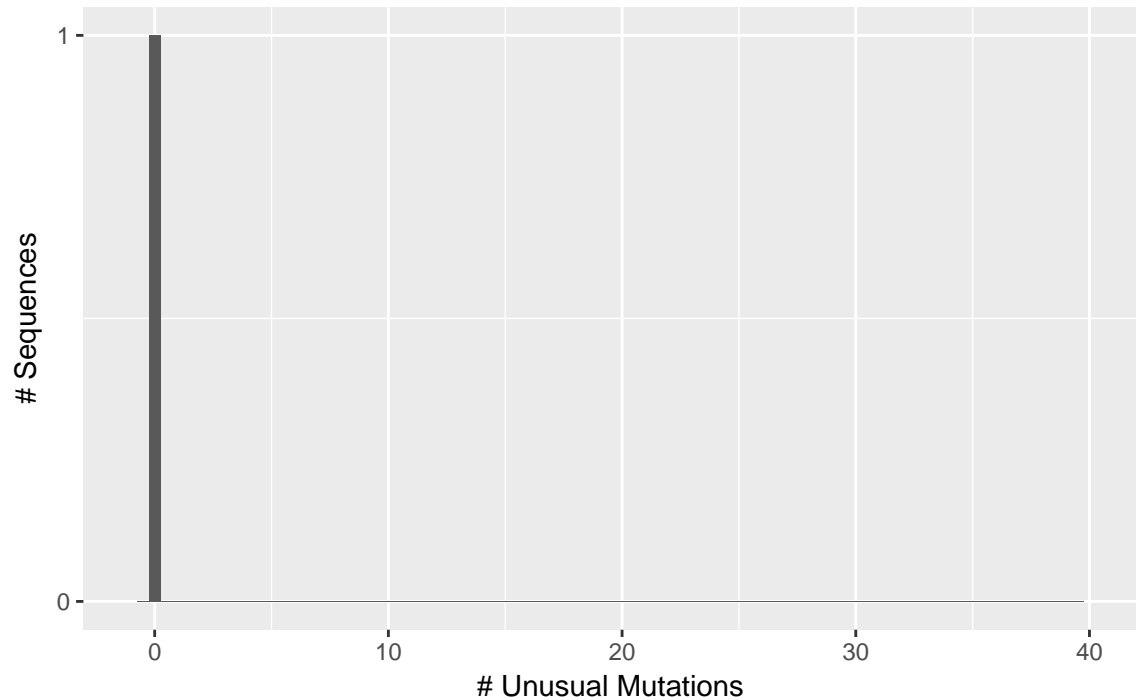
Unusual Mutations for gp41 Naive Sequences (64\_BC, n=2)



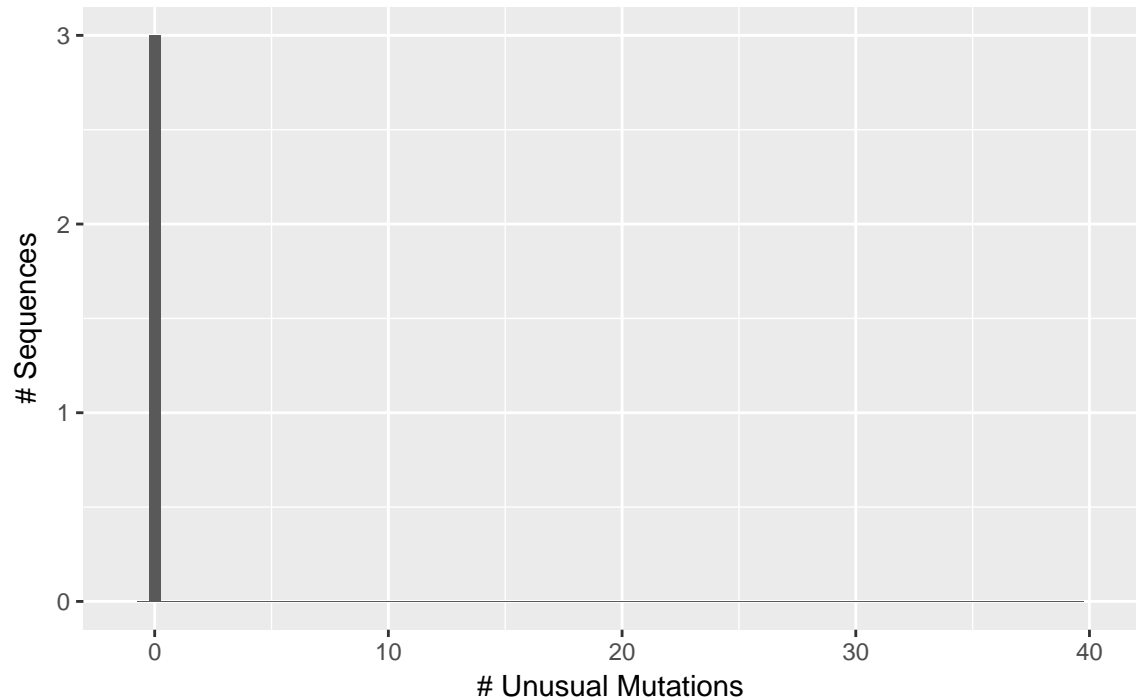
Unusual Mutations for gp41 Naive Sequences (57\_BC, n=1)



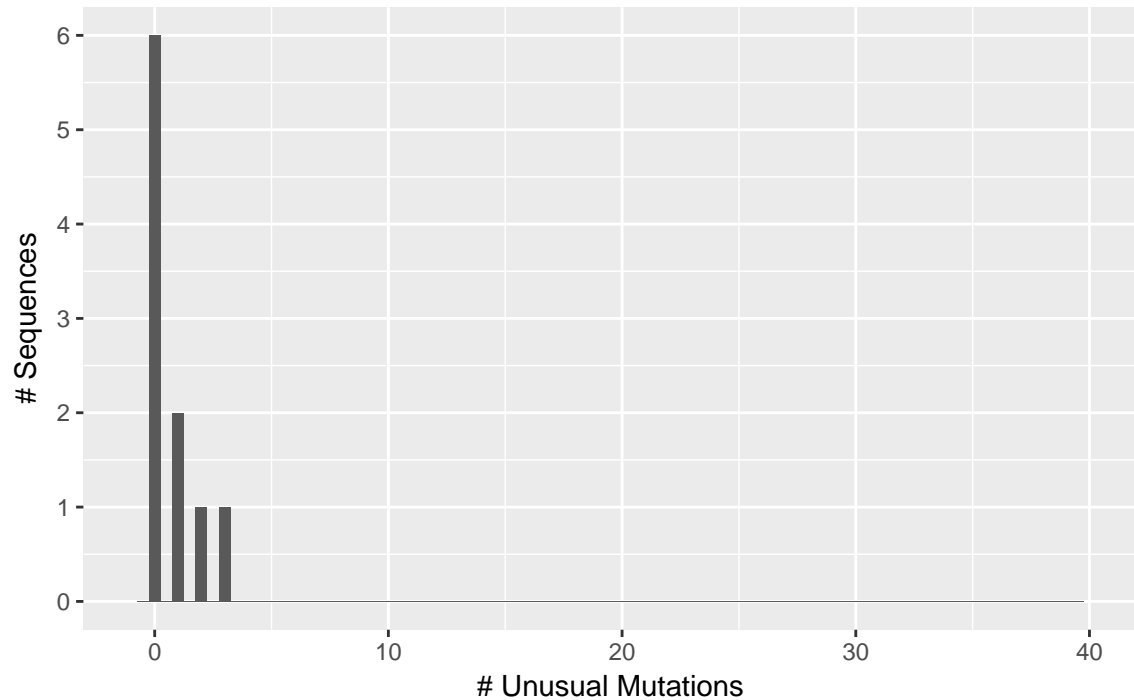
Unusual Mutations for gp41 Naive Sequences (01A1G, n=1)



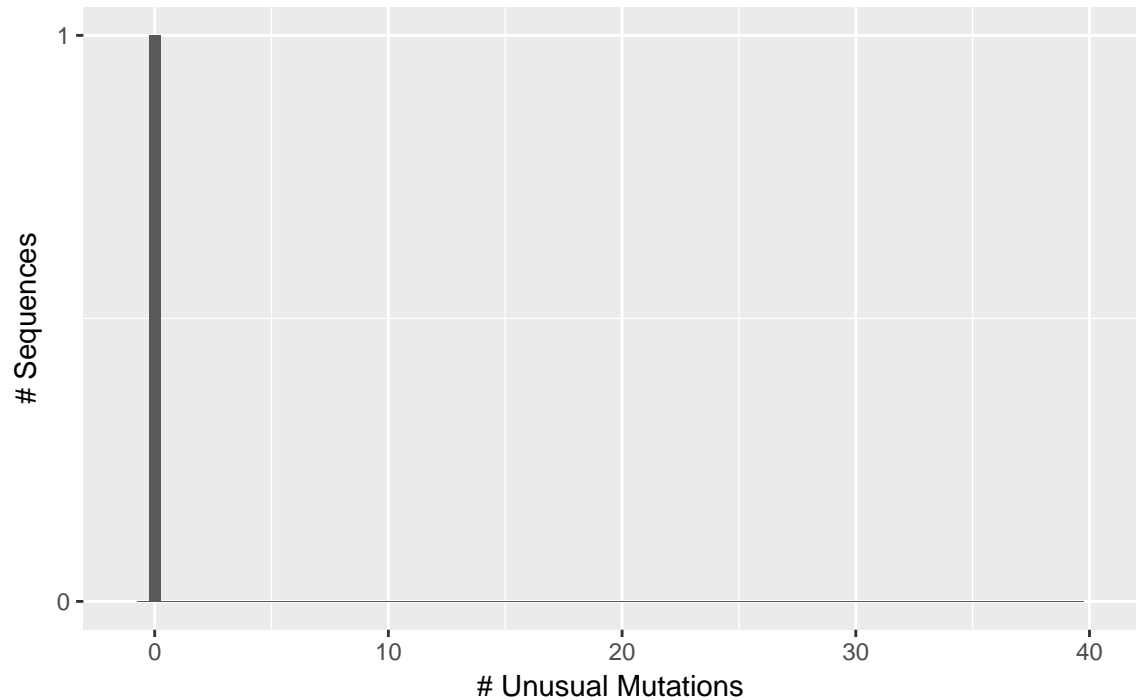
Unusual Mutations for gp41 Naive Sequences (70\_BF1, n=3)



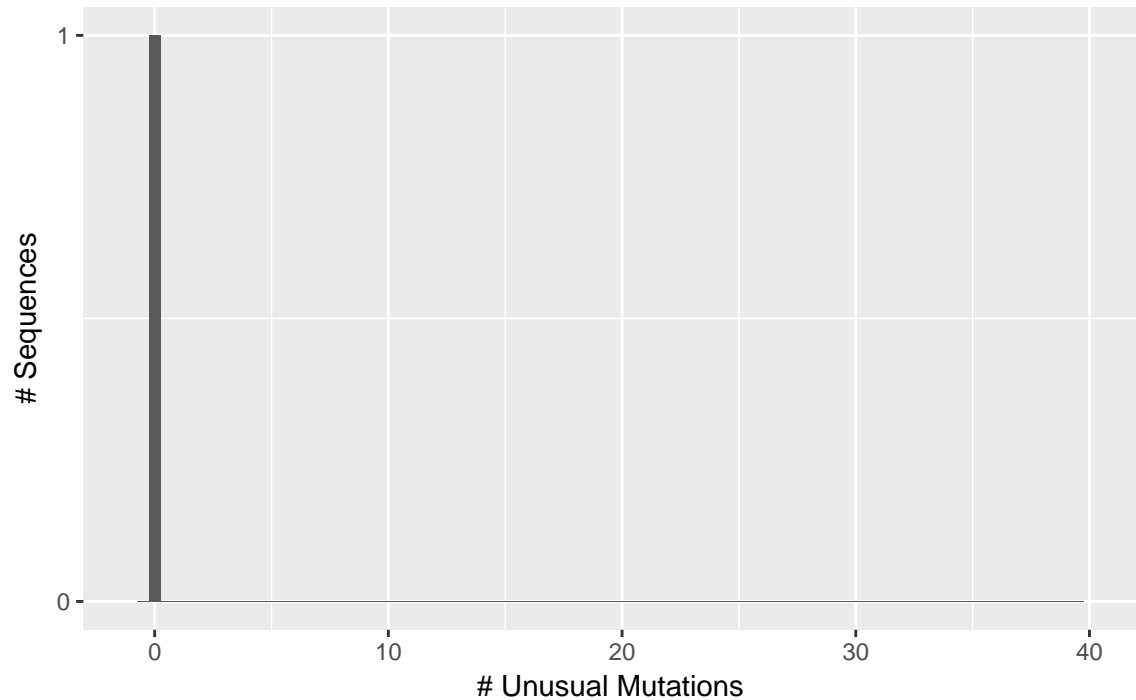
Unusual Mutations for gp41 Naive Sequences (71\_BF1, n=10)



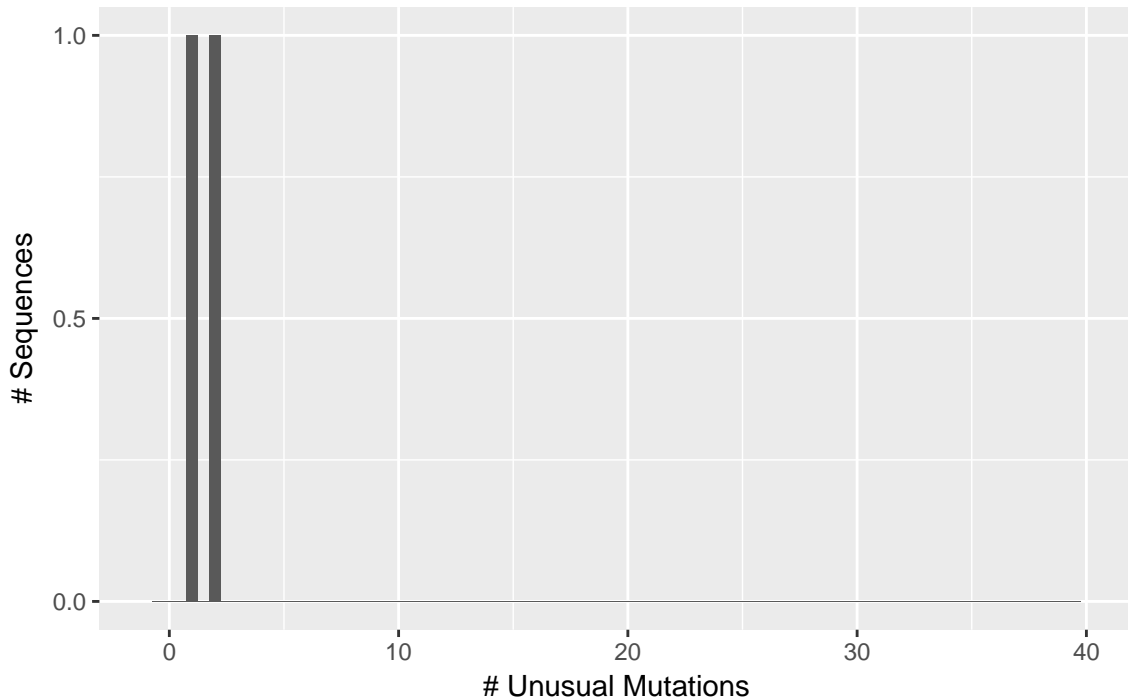
Unusual Mutations for gp41 Naive Sequences (15\_01B, n=1)



# Unusual Mutations for gp41 Naive Sequences (A1K, n=1)

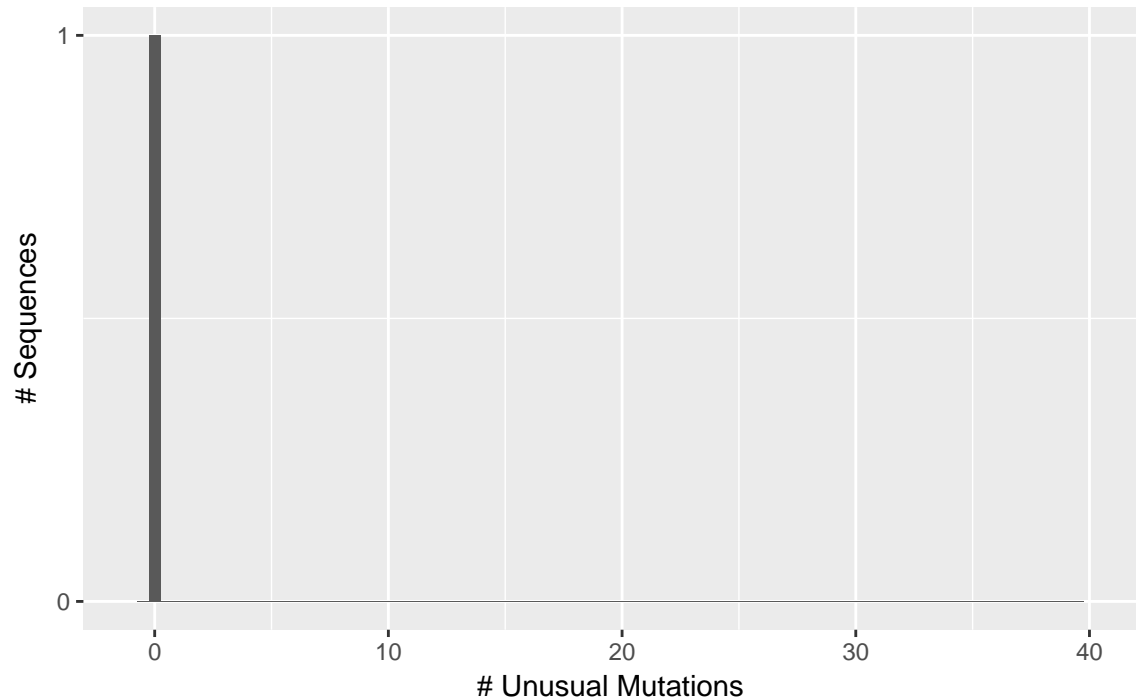


Unusual Mutations for gp41 Naive Sequences (A1H, n=2)

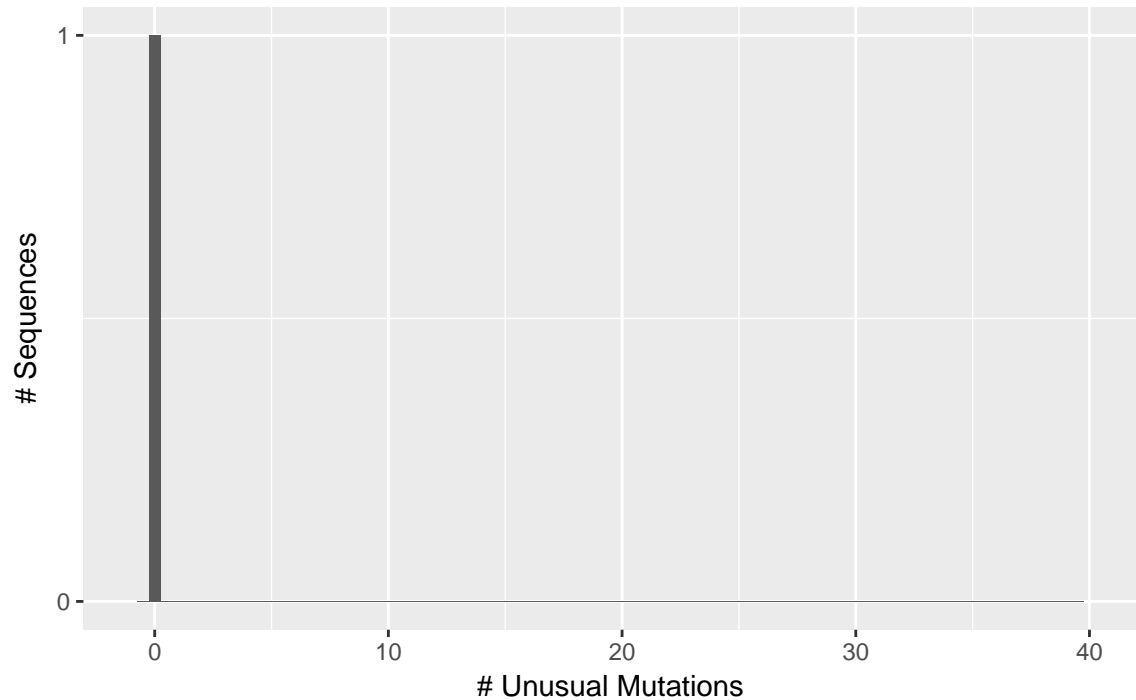




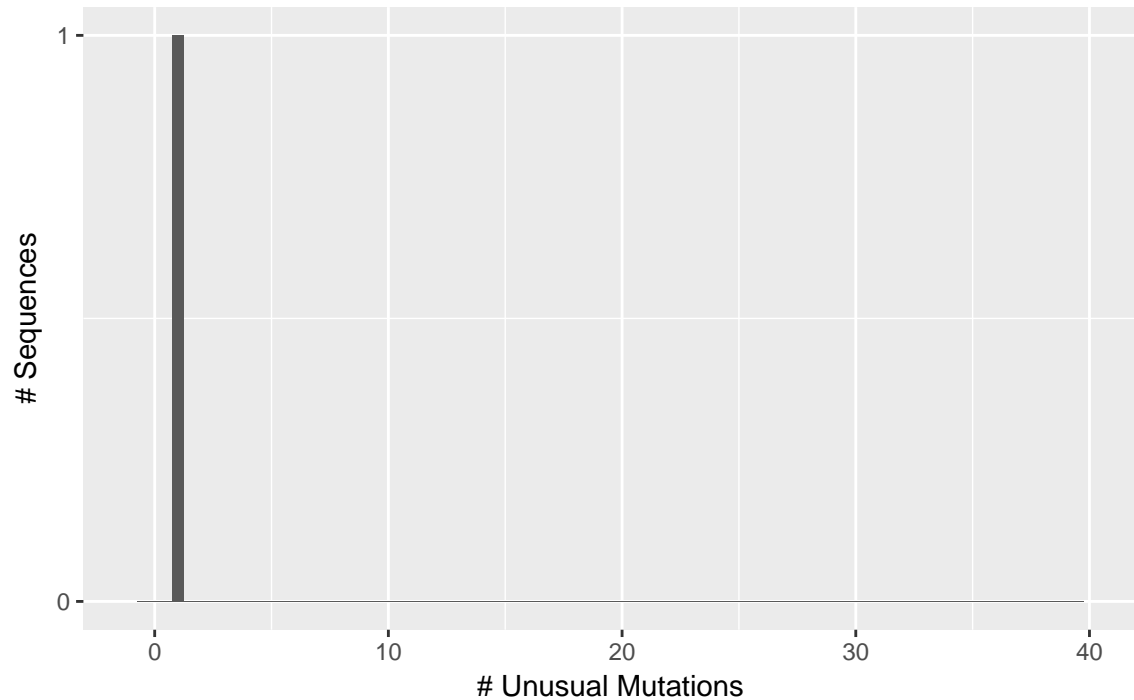
Unusual Mutations for gp41 Naive Sequences (18\_cpx, n=1)



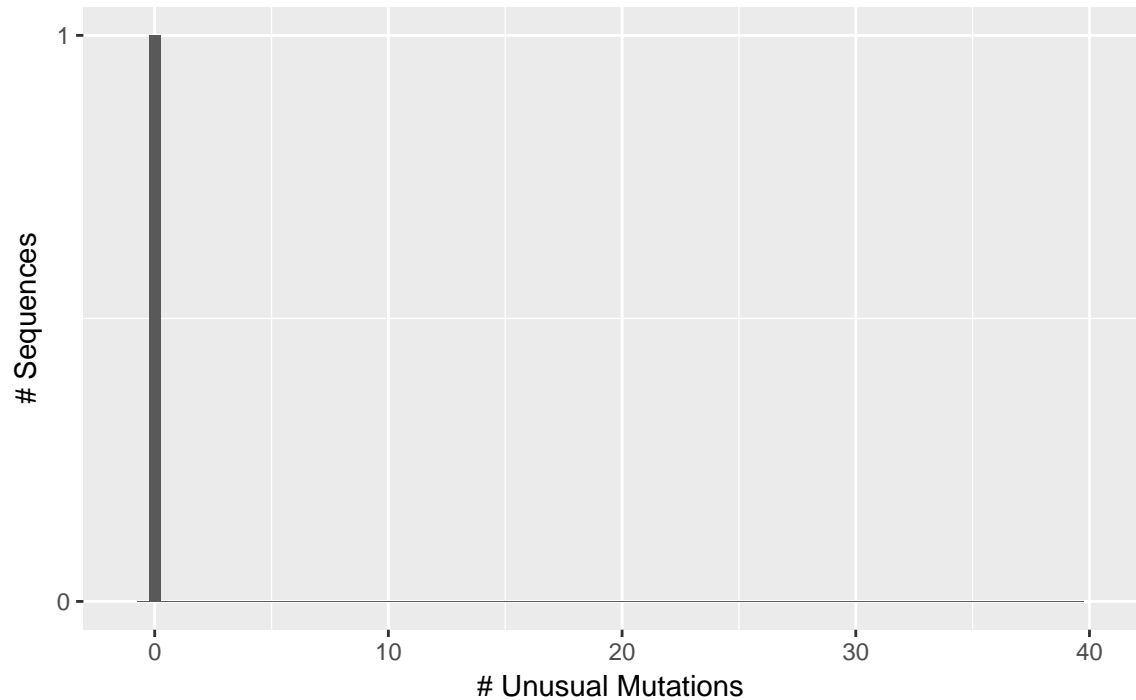
Unusual Mutations for gp41 Naive Sequences (02F2, n=1)



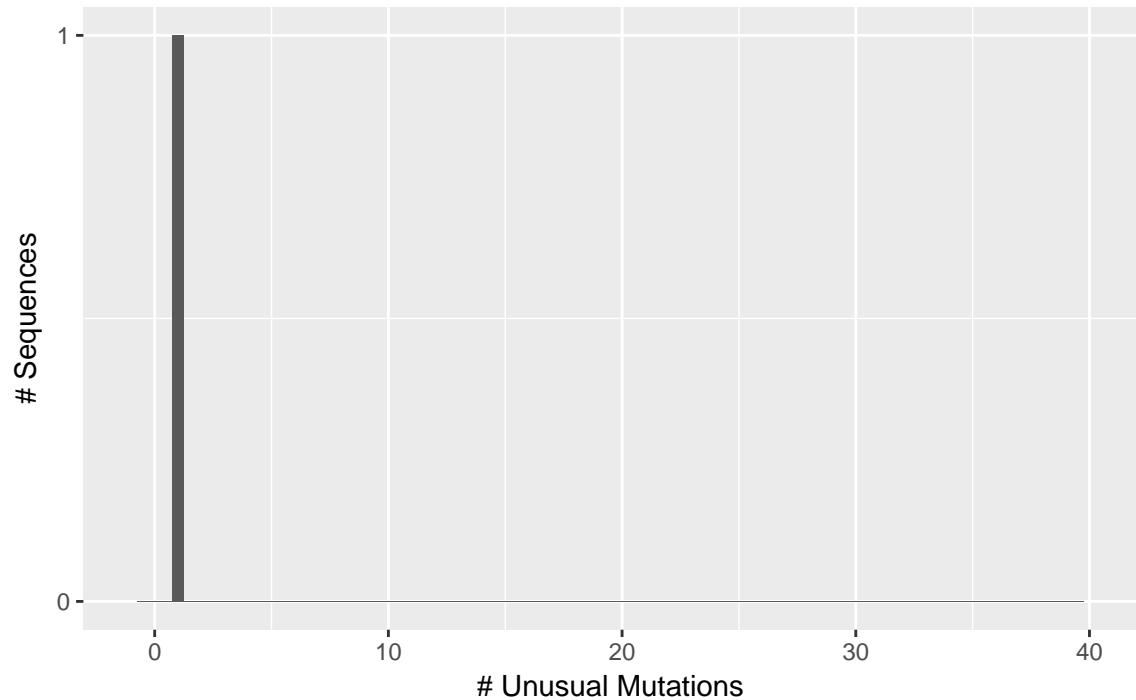
# Unusual Mutations for gp41 Naive Sequences (02A3, n=1)



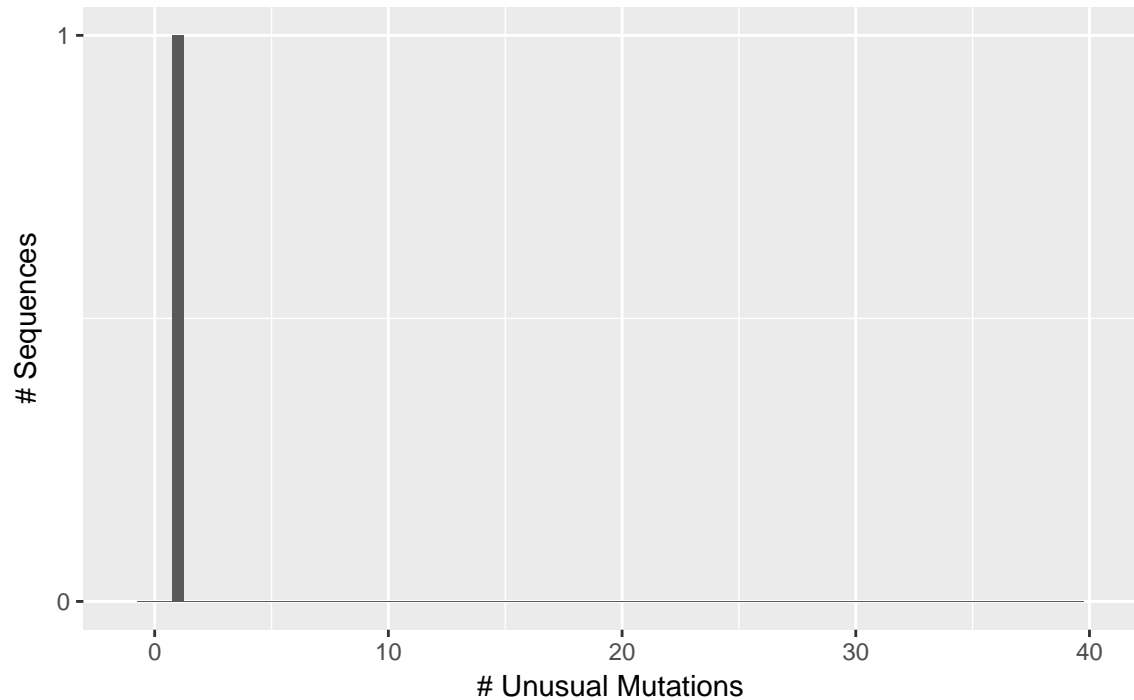
Unusual Mutations for gp41 Naive Sequences (02A1G, n=1)



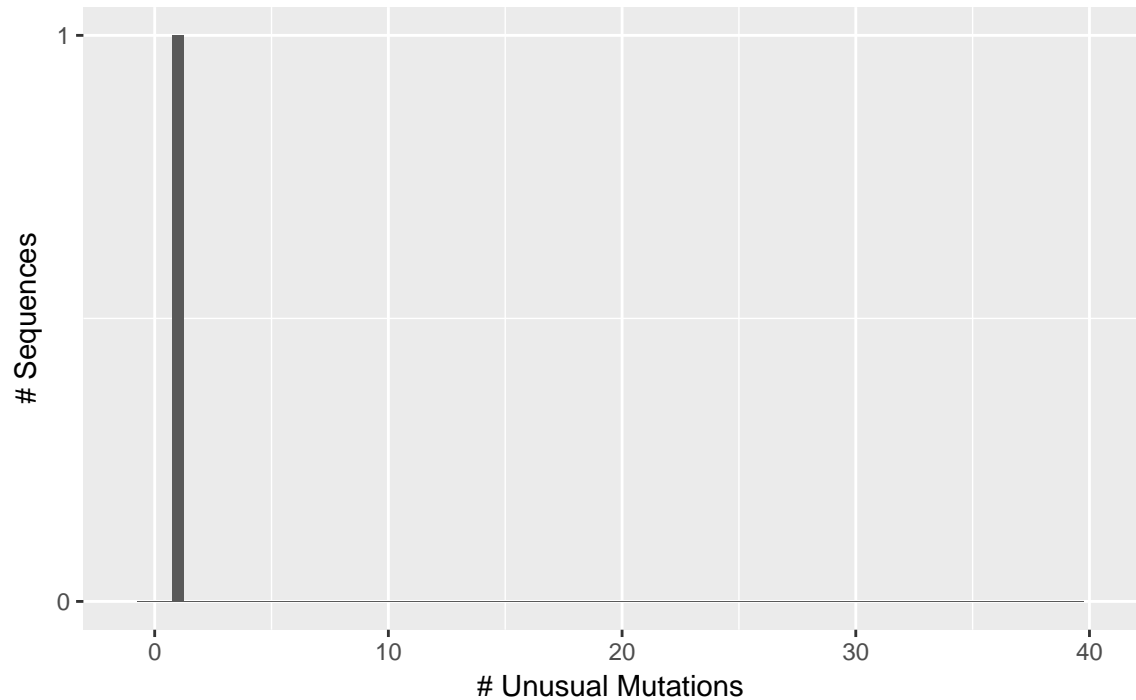
Unusual Mutations for gp41 Naive Sequences (36\_cpx, n=1)



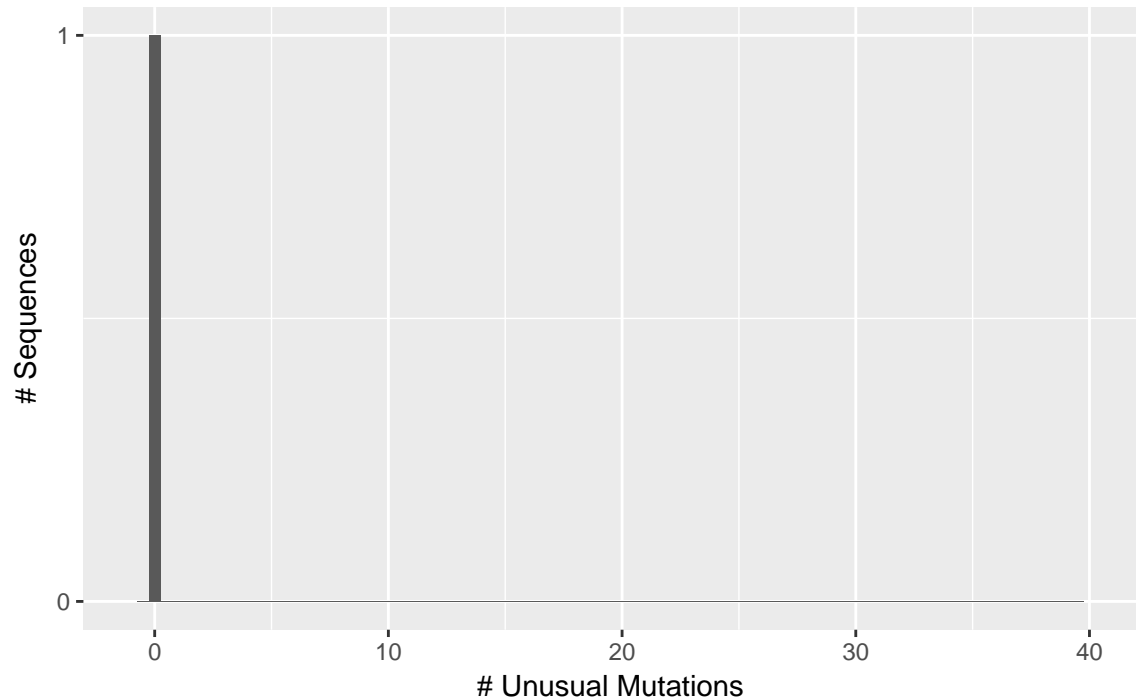
# Unusual Mutations for gp41 Naive Sequences (02A1F2, n=1)



# Unusual Mutations for gp41 Naive Sequences (11A1, n=1)

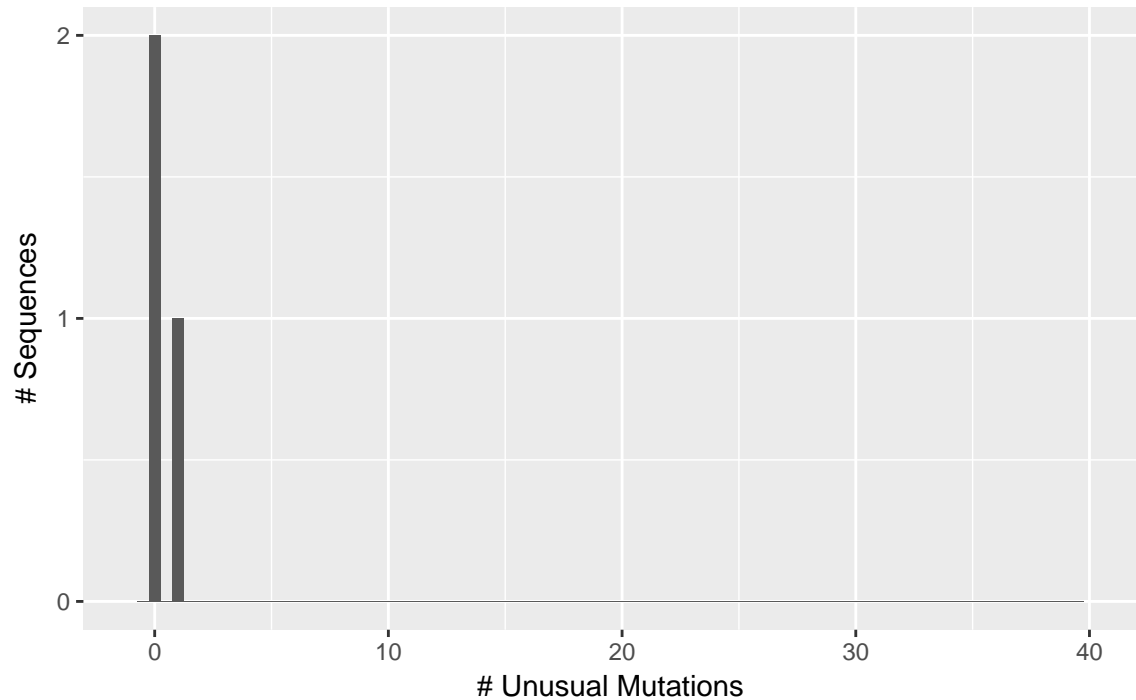


Unusual Mutations for gp41 Naive Sequences (01A1F2, n=1)

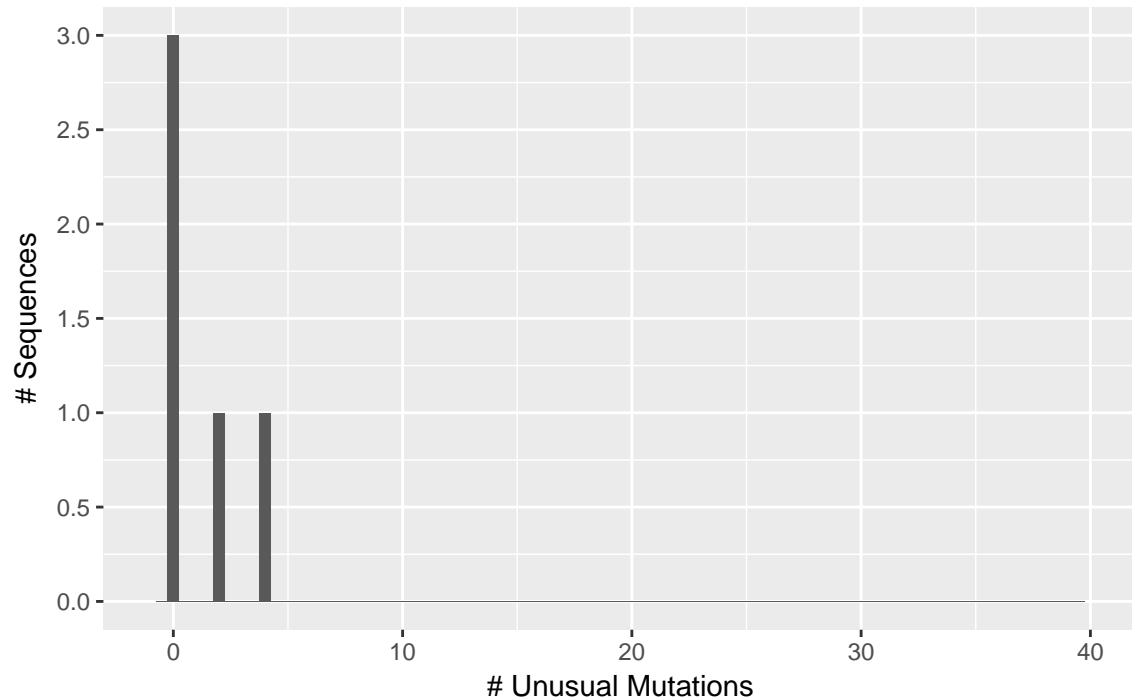




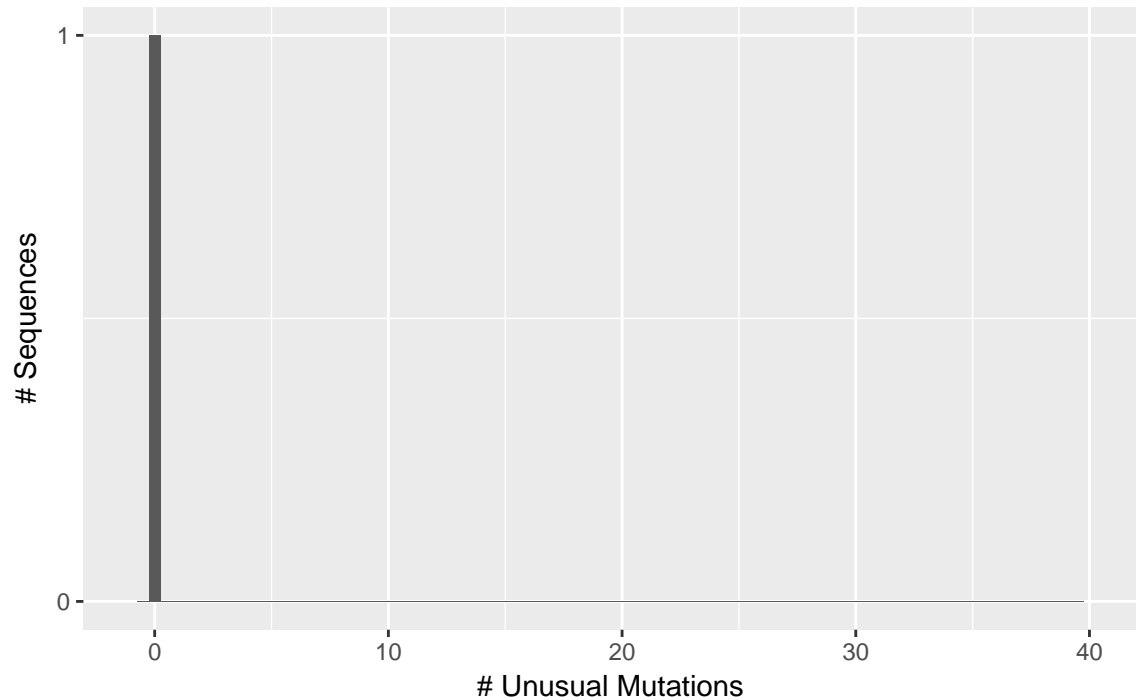
Unusual Mutations for gp41 Naive Sequences (0206, n=3)



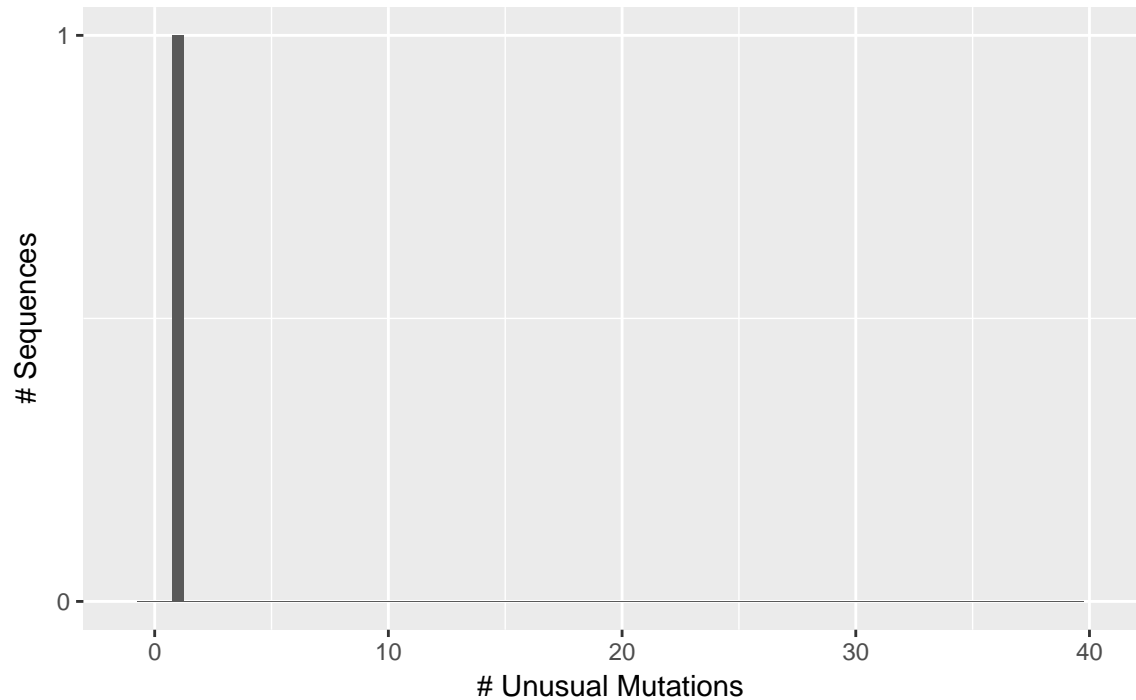
Unusual Mutations for gp41 Naive Sequences (H, n=5)



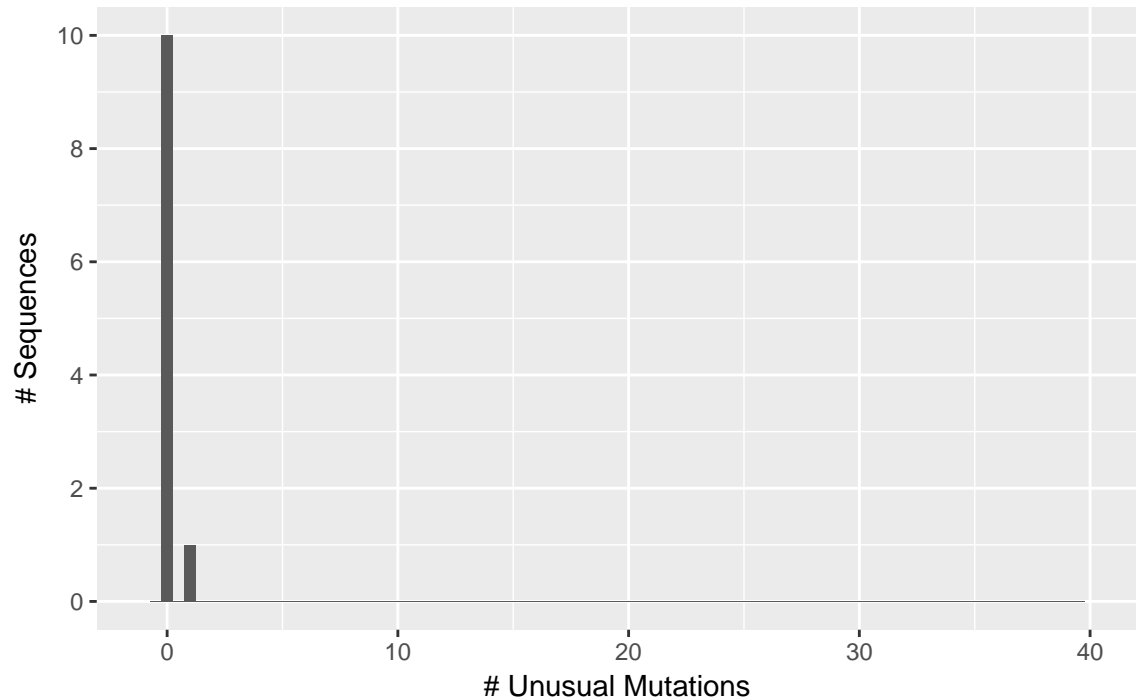
Unusual Mutations for gp41 Naive Sequences (A1A2C, n=1)



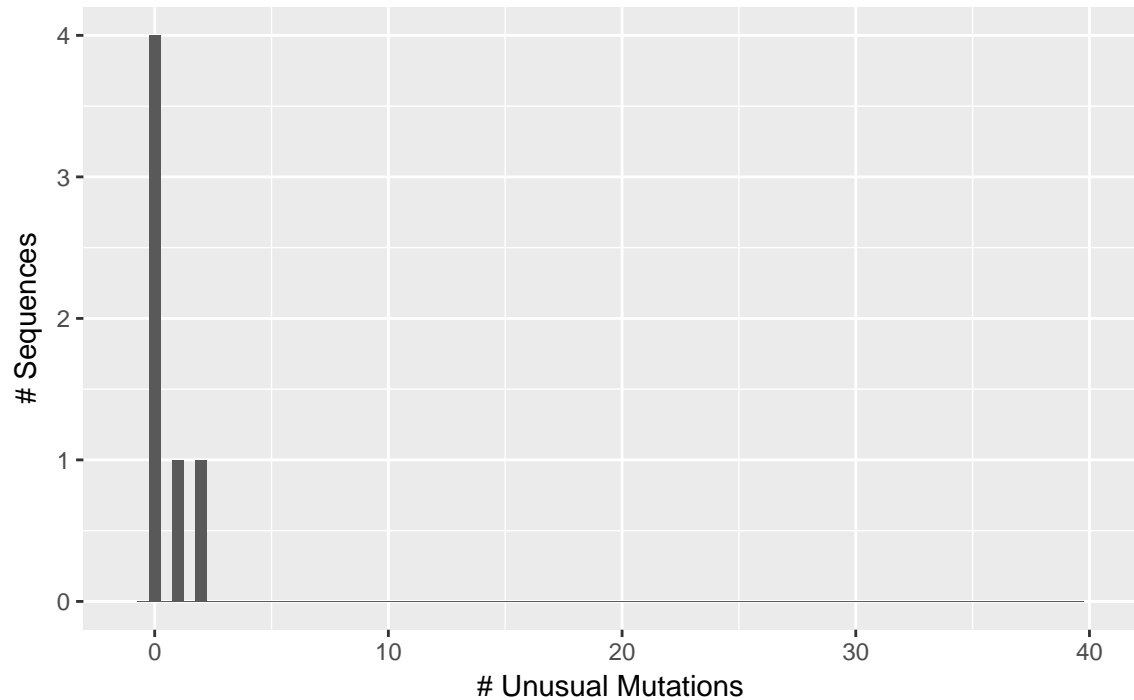
# Unusual Mutations for gp41 Naive Sequences (01C, n=1)



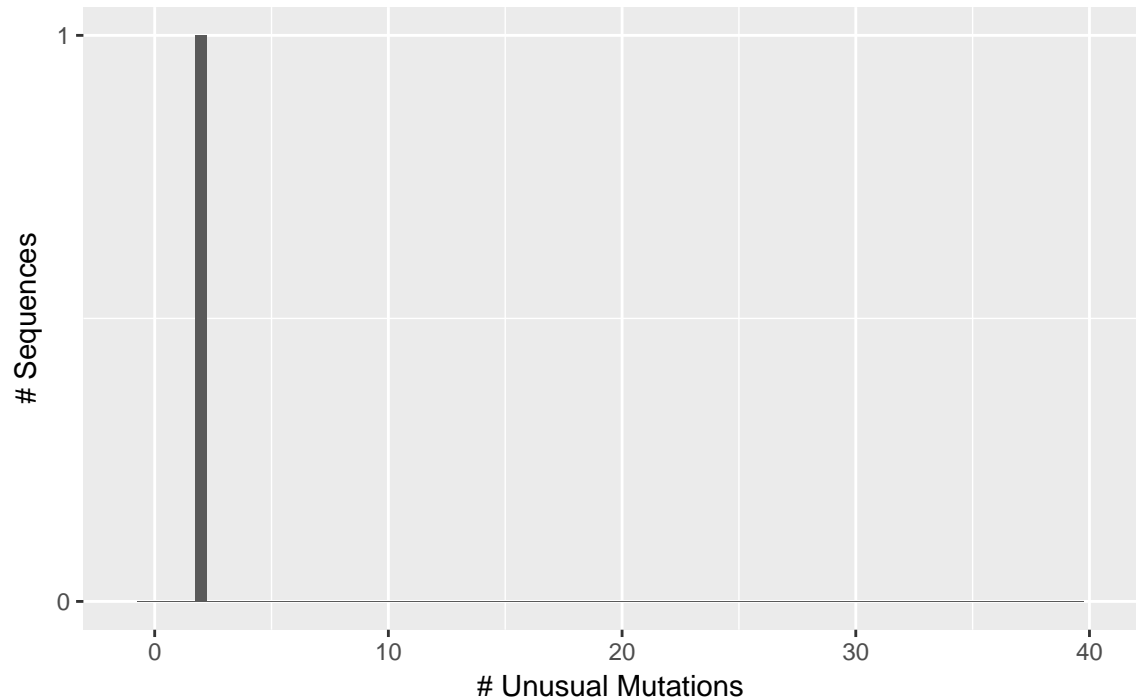
Unusual Mutations for gp41 Naive Sequences (83\_cpx, n=11)



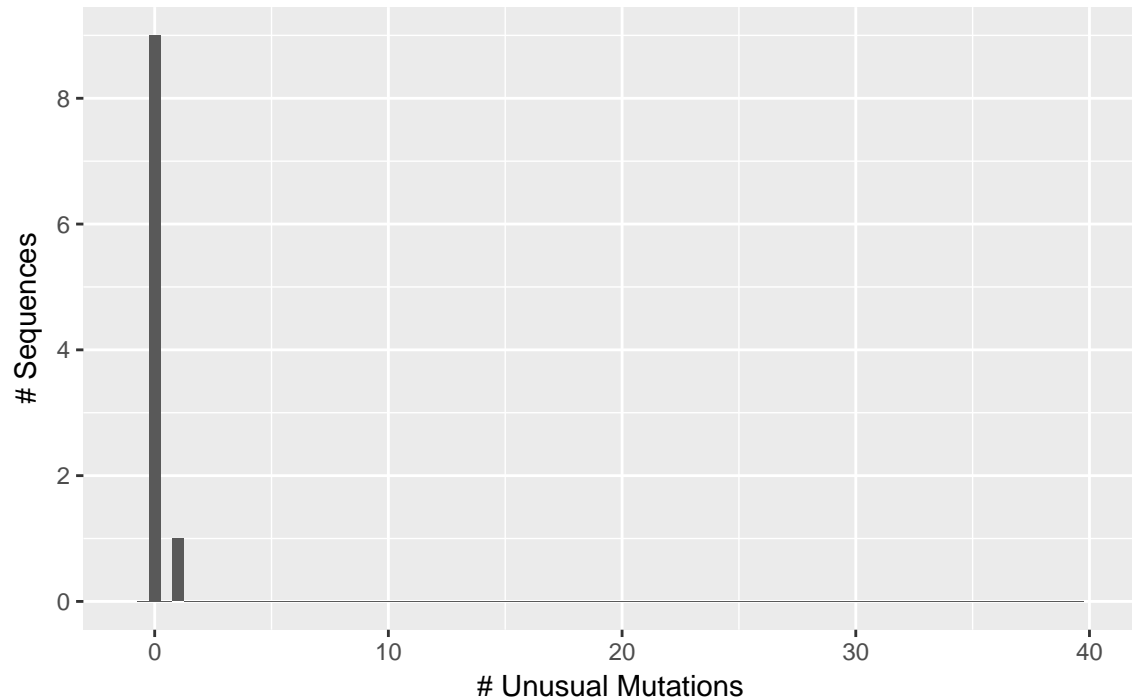
Unusual Mutations for gp41 Naive Sequences (82\_cpx, n=6)



# Unusual Mutations for gp41 Naive Sequences (A1A2, n=1)

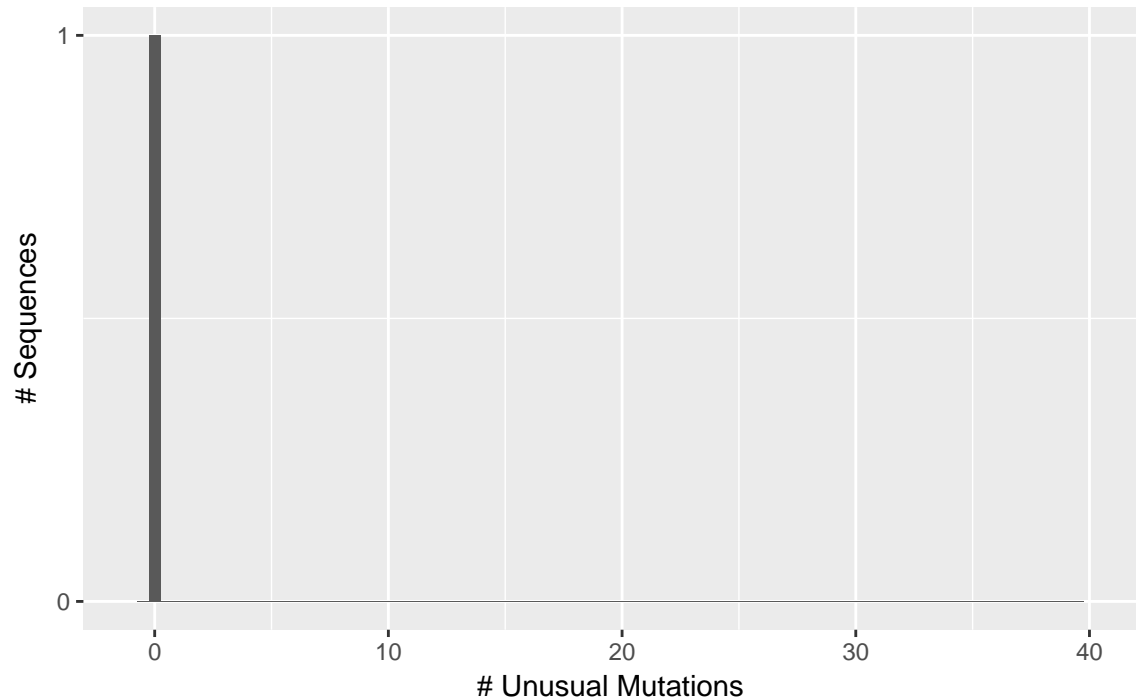


Unusual Mutations for gp41 Naive Sequences (85\_BC, n=10)

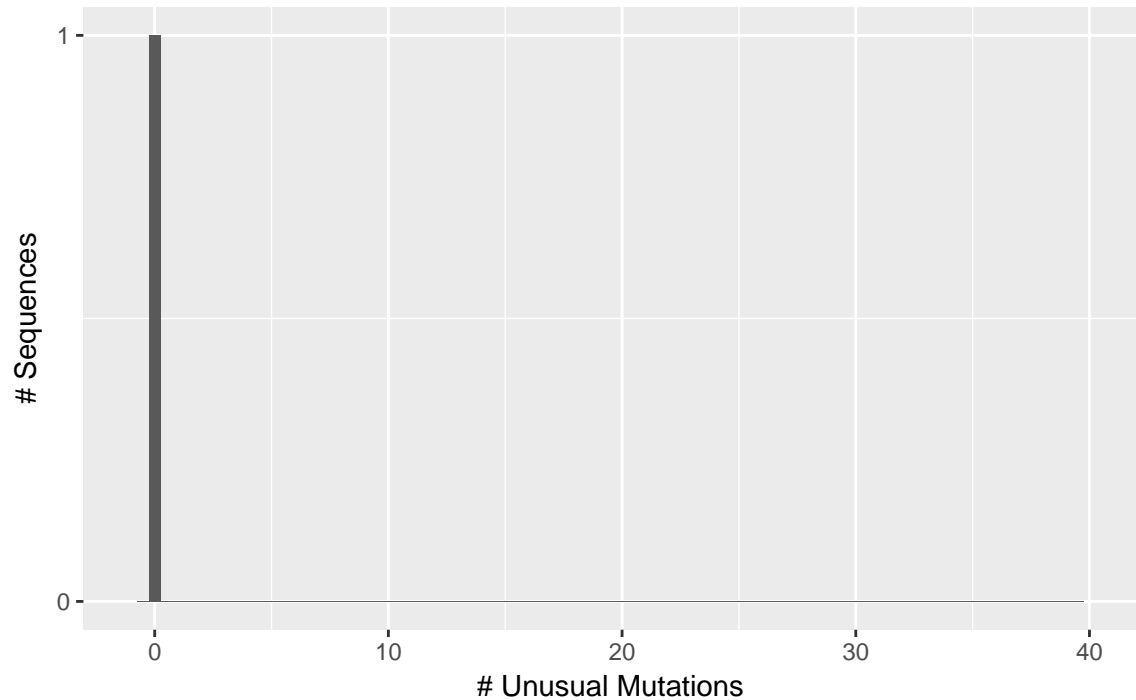




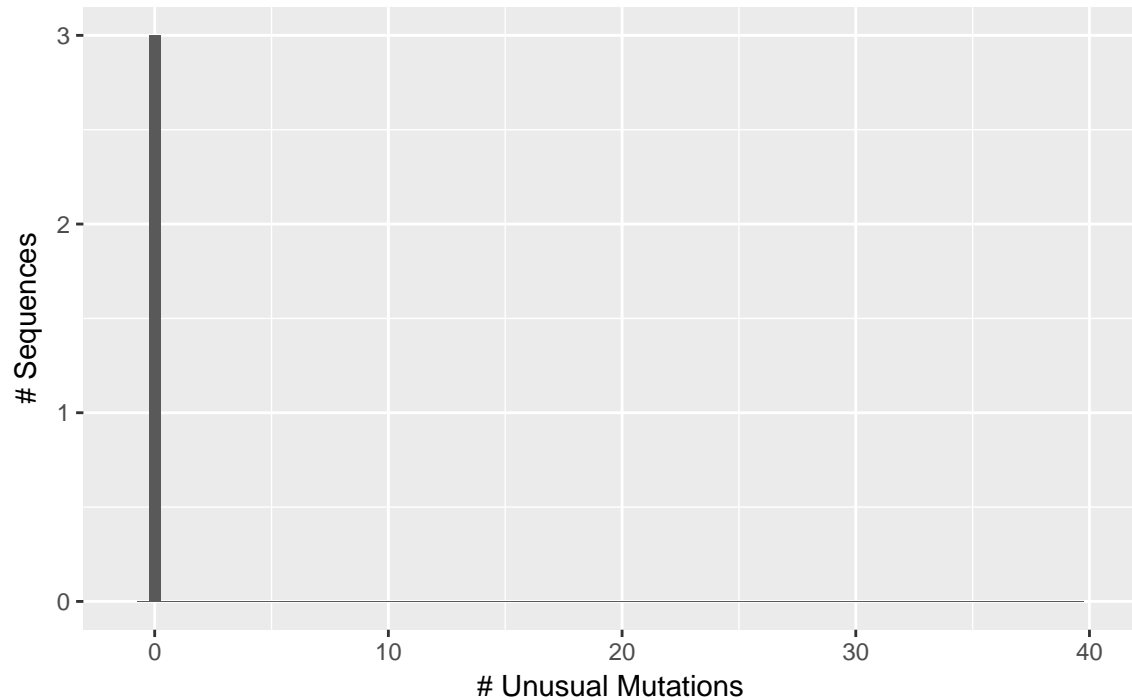
# Unusual Mutations for gp41 Naive Sequences (02U, n=1)



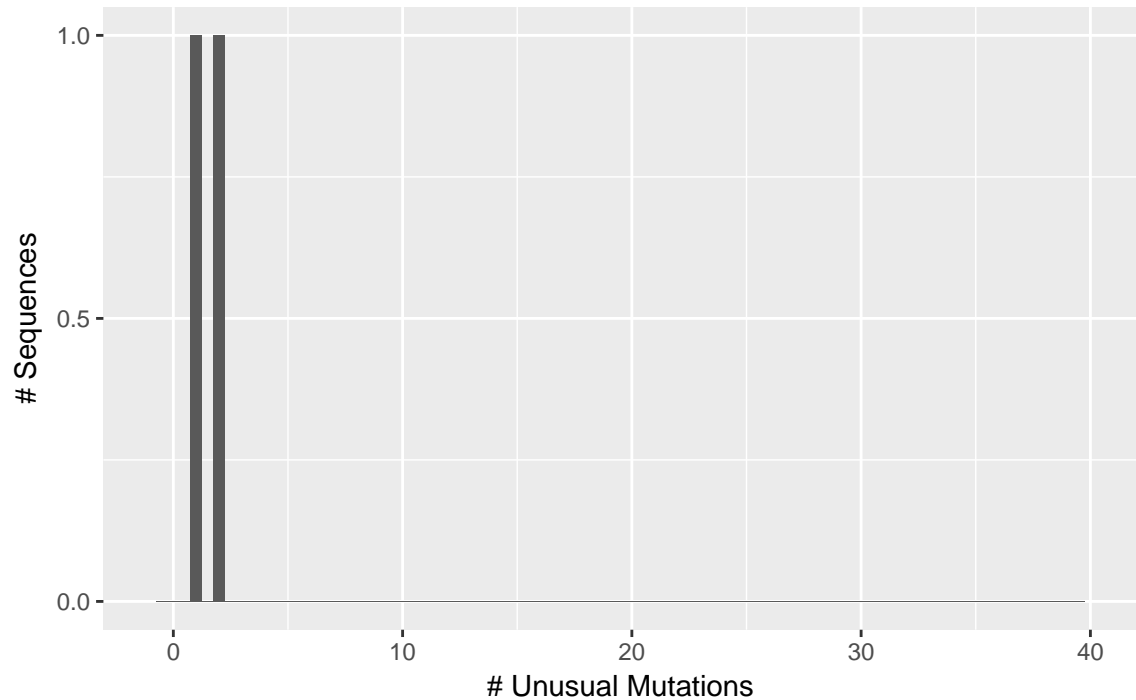
Unusual Mutations for gp41 Naive Sequences (06G, n=1)



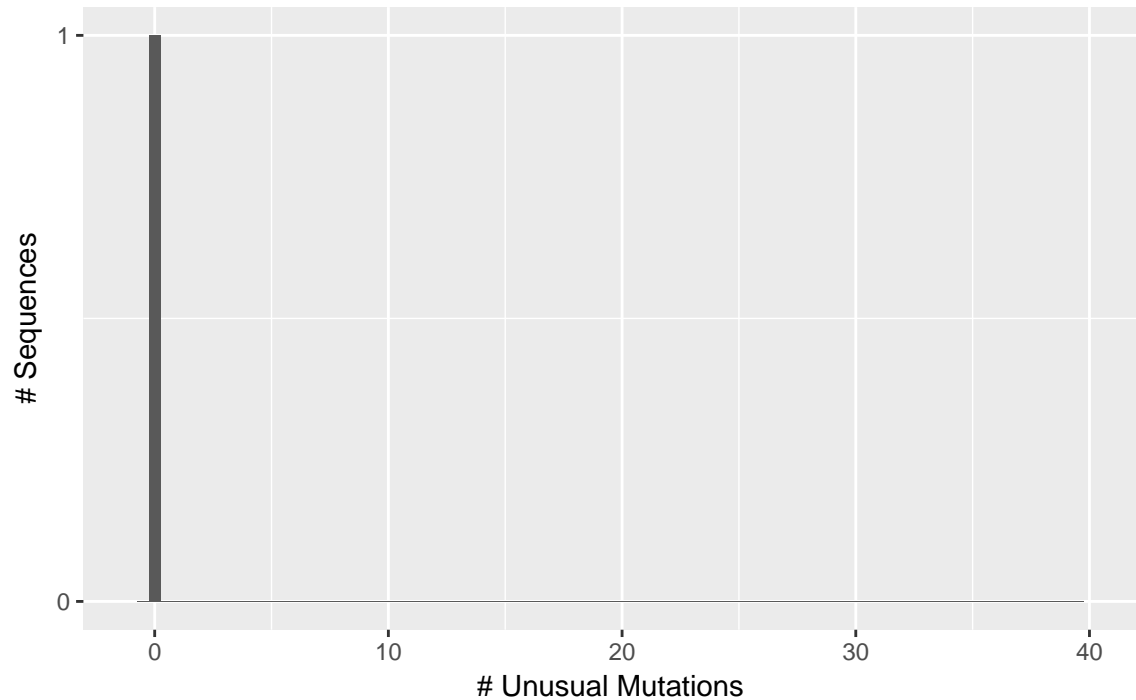
Unusual Mutations for gp41 Naive Sequences (41\_CD, n=3)



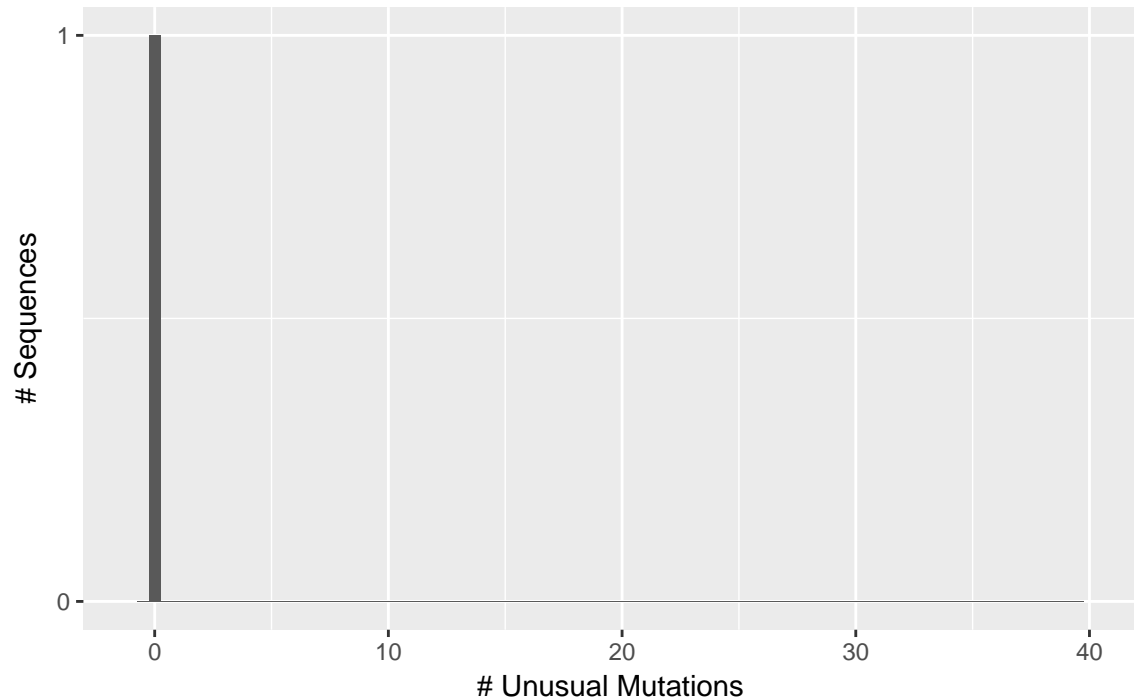
Unusual Mutations for gp41 Naive Sequences (CU, n=2)



Unusual Mutations for gp41 Naive Sequences (F1F2, n=1)



Unusual Mutations for gp41 Naive Sequences (A1GH, n=1)



Unusual Mutations for gp41 Naive Sequences (A2C, n=1)

