

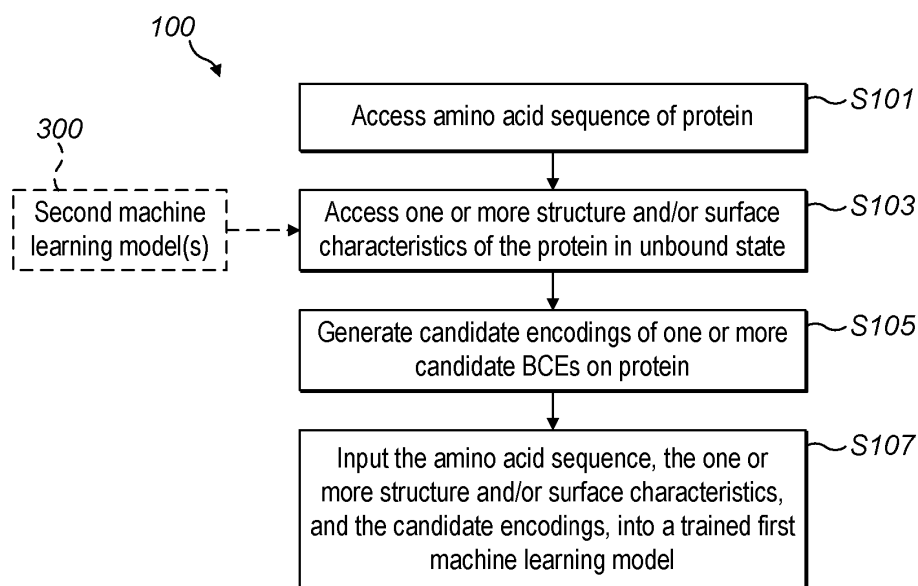


FIG. 1

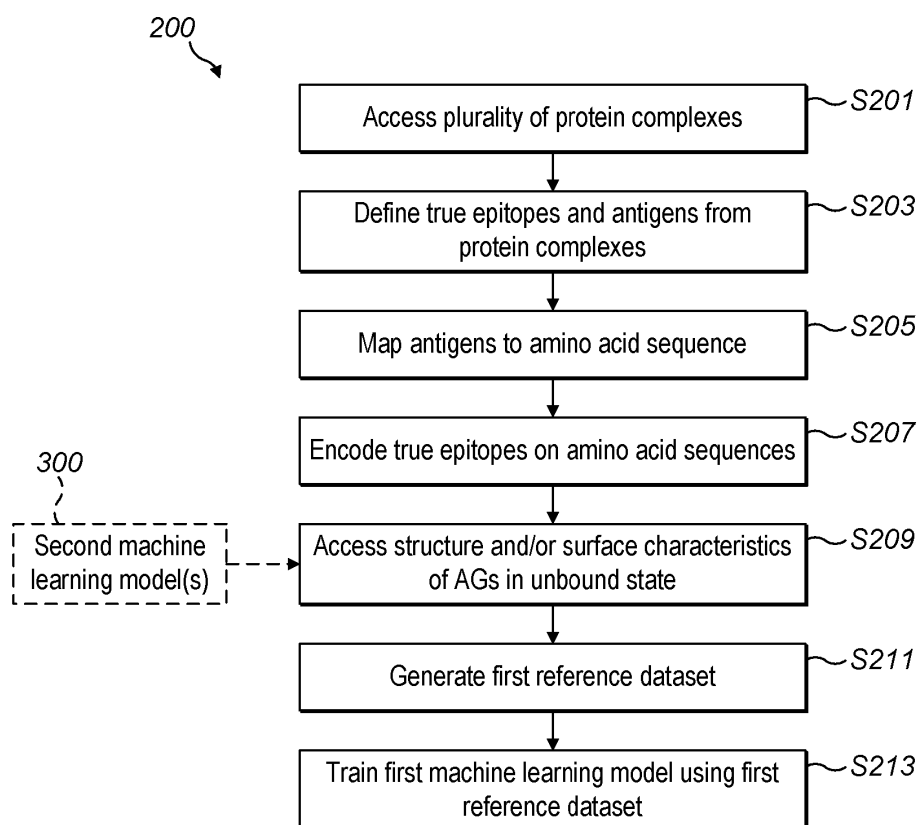
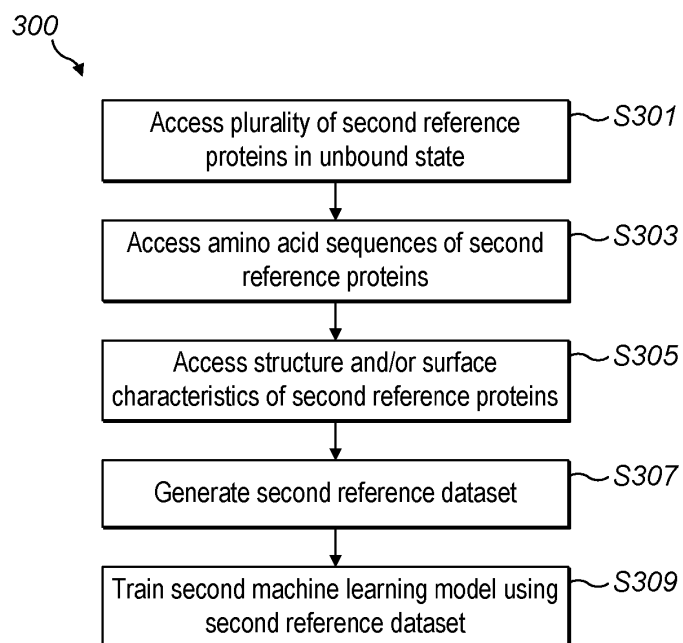
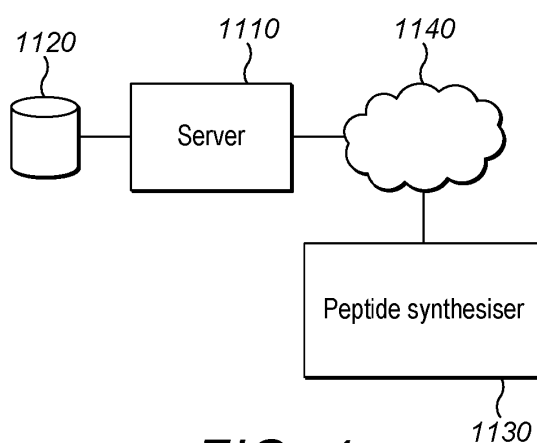


FIG. 2

**FIG. 3****FIG. 4**

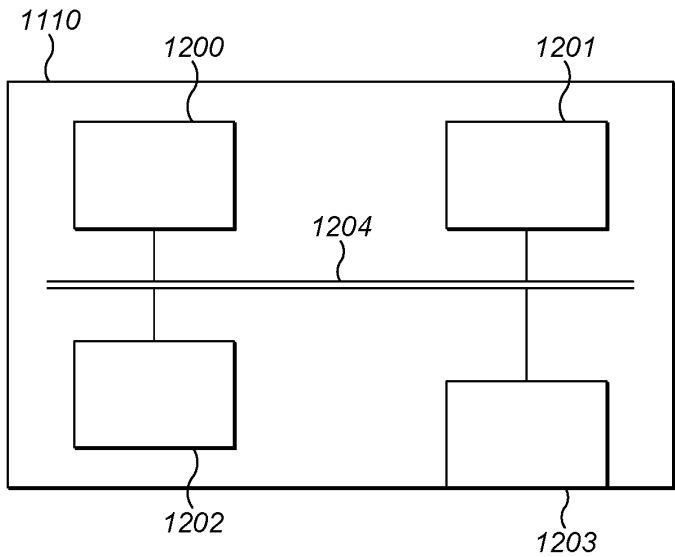
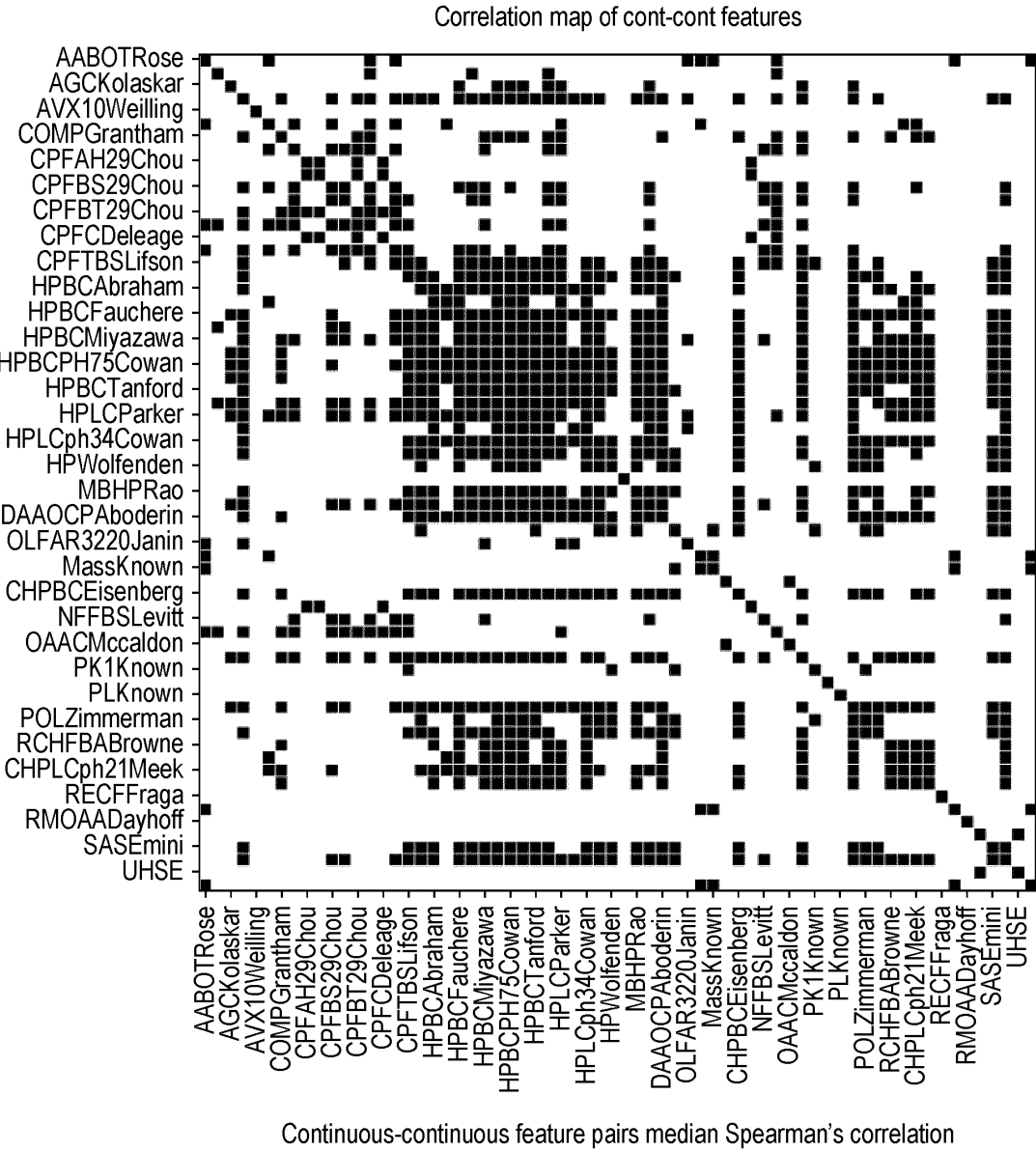
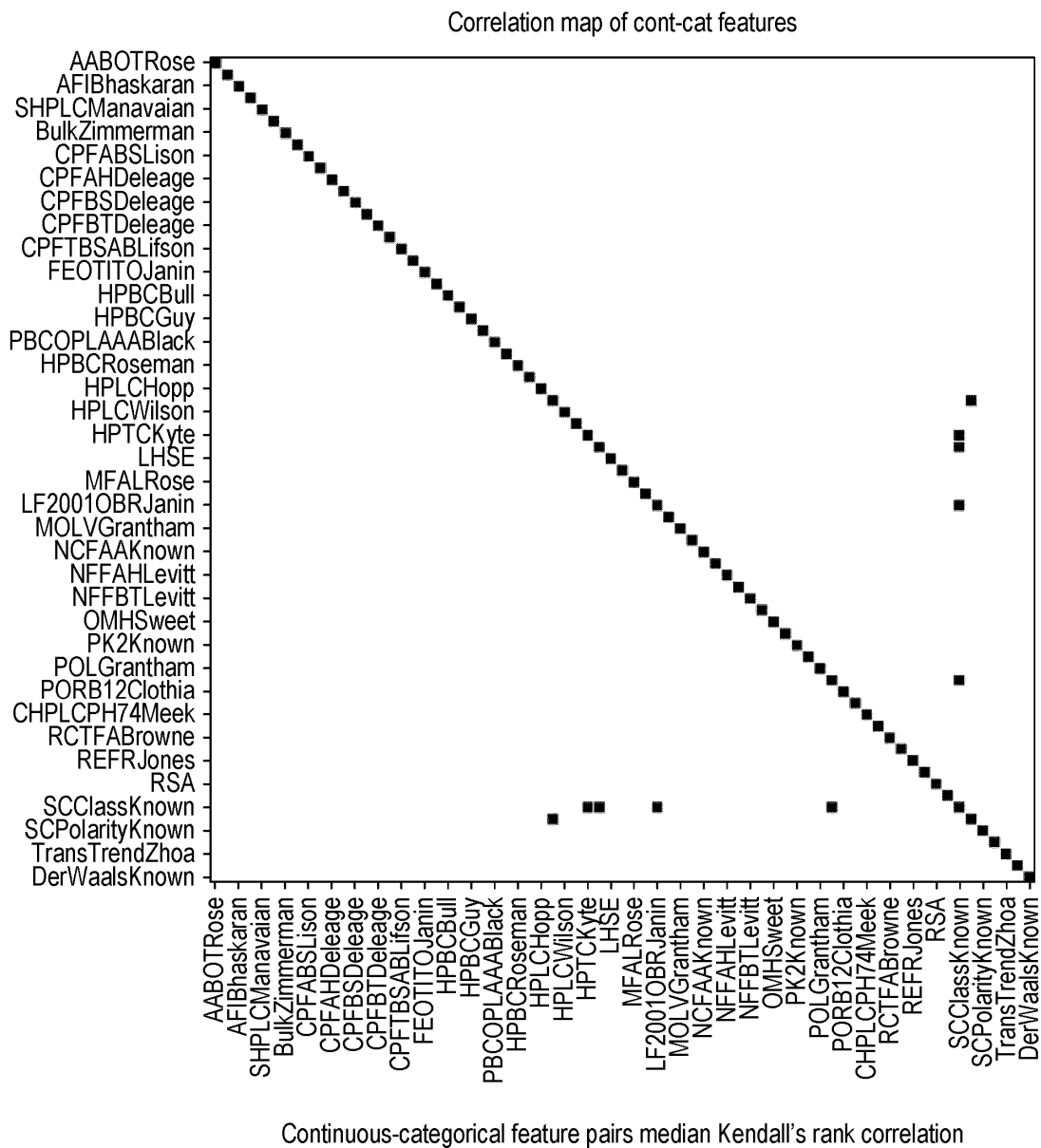


FIG. 5



**FIG. 6(b)**

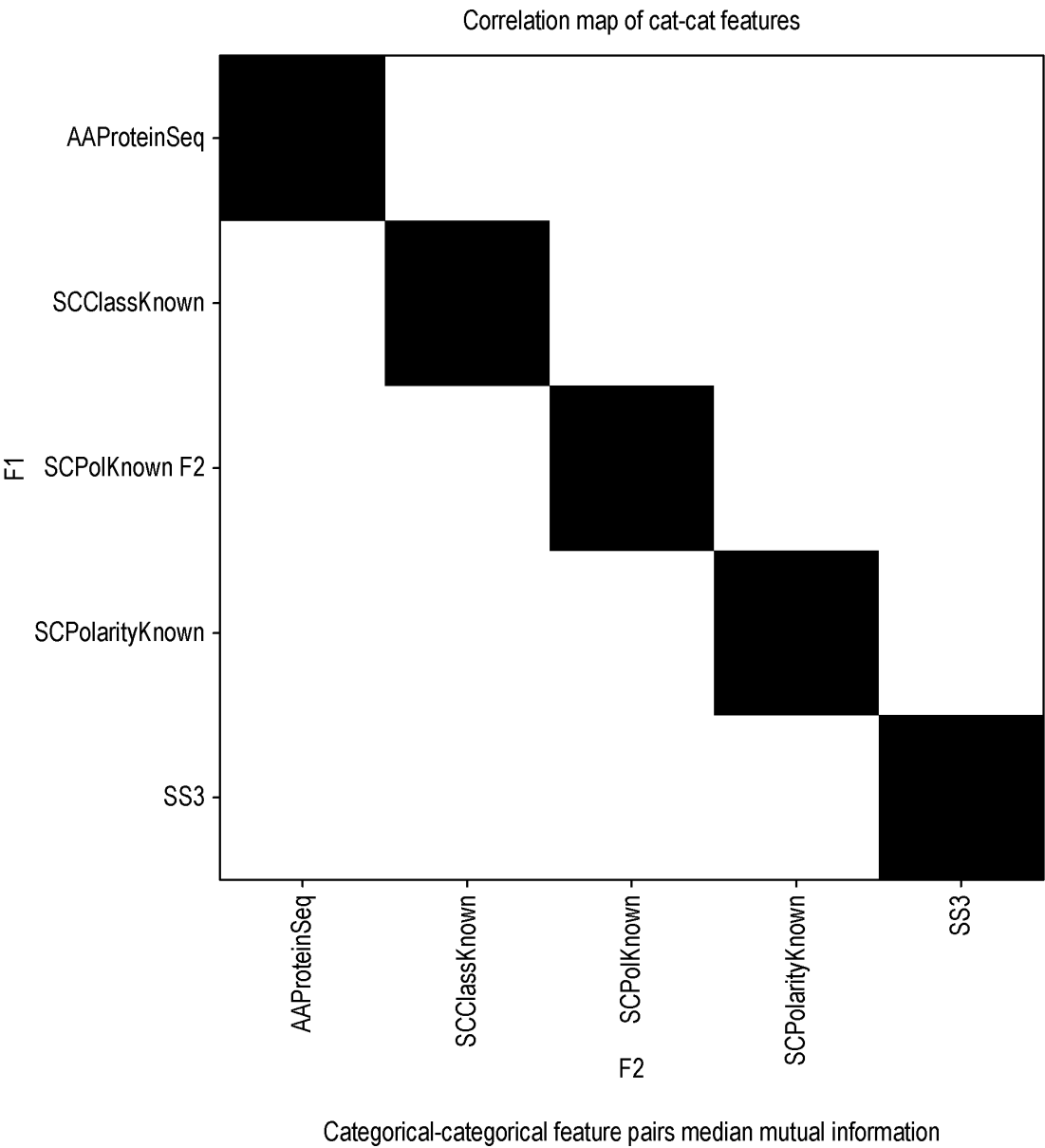


FIG. 6(c)

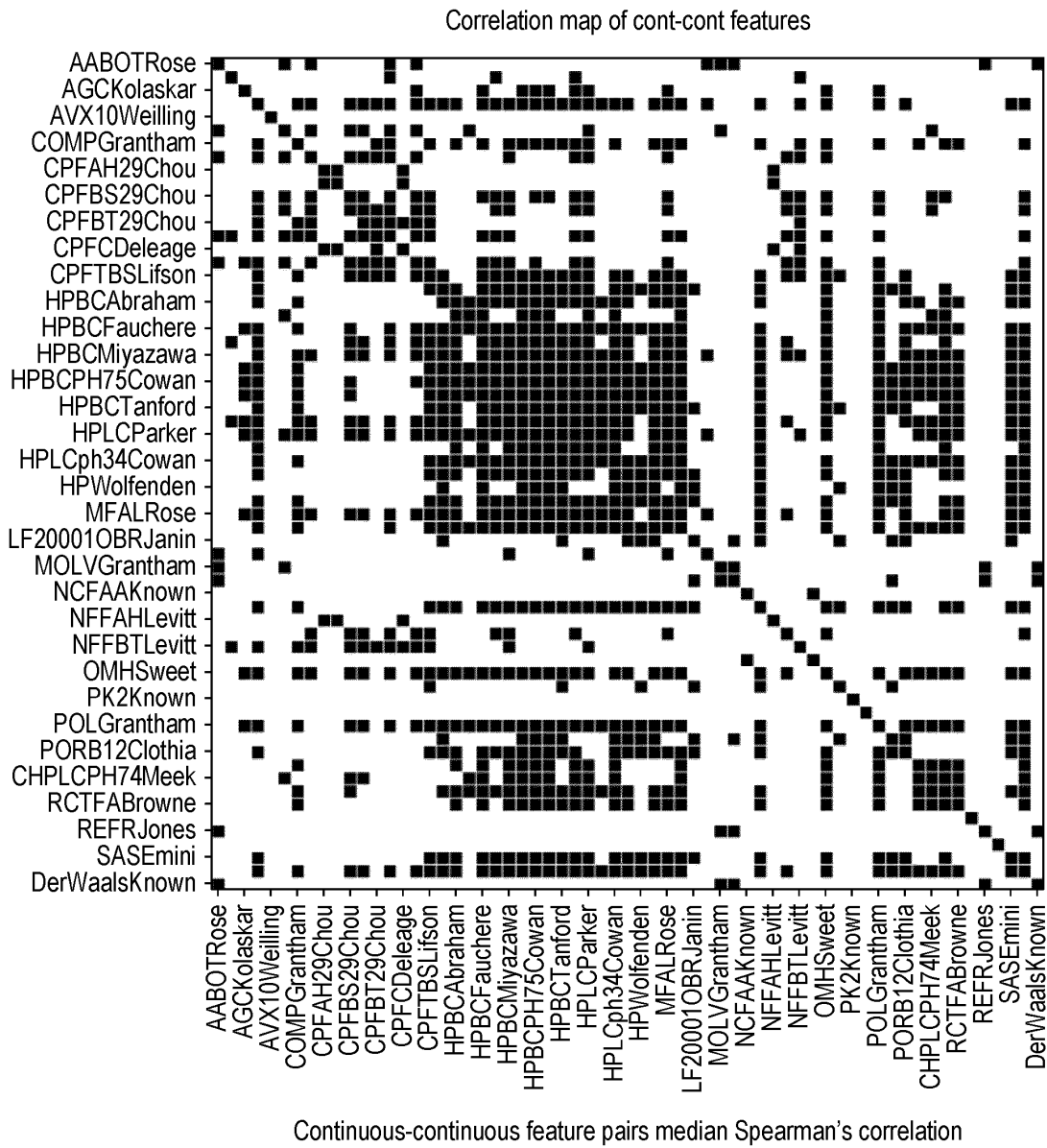


FIG. 6(d)

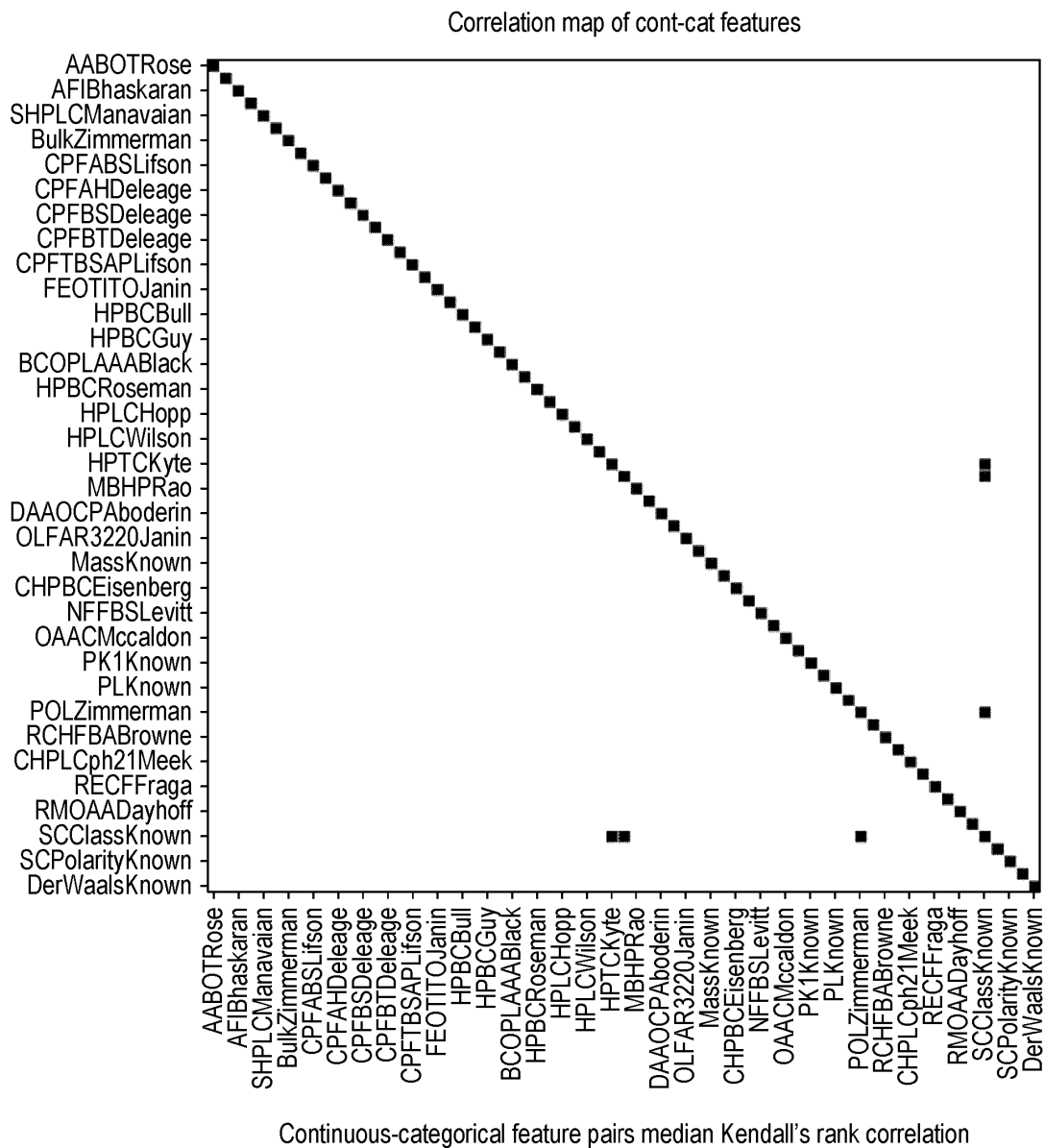


FIG. 6(e)

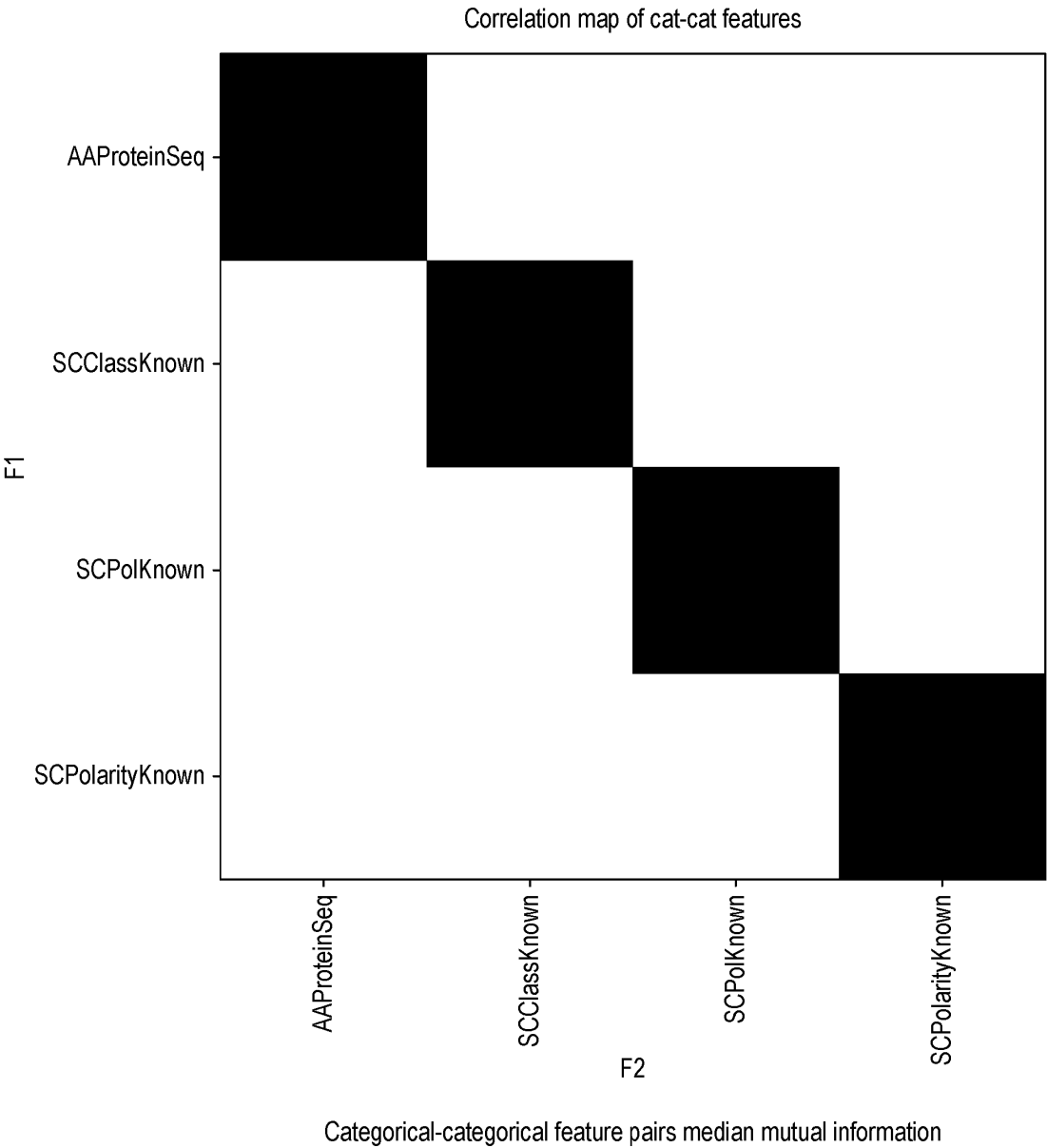


FIG. 6(f)

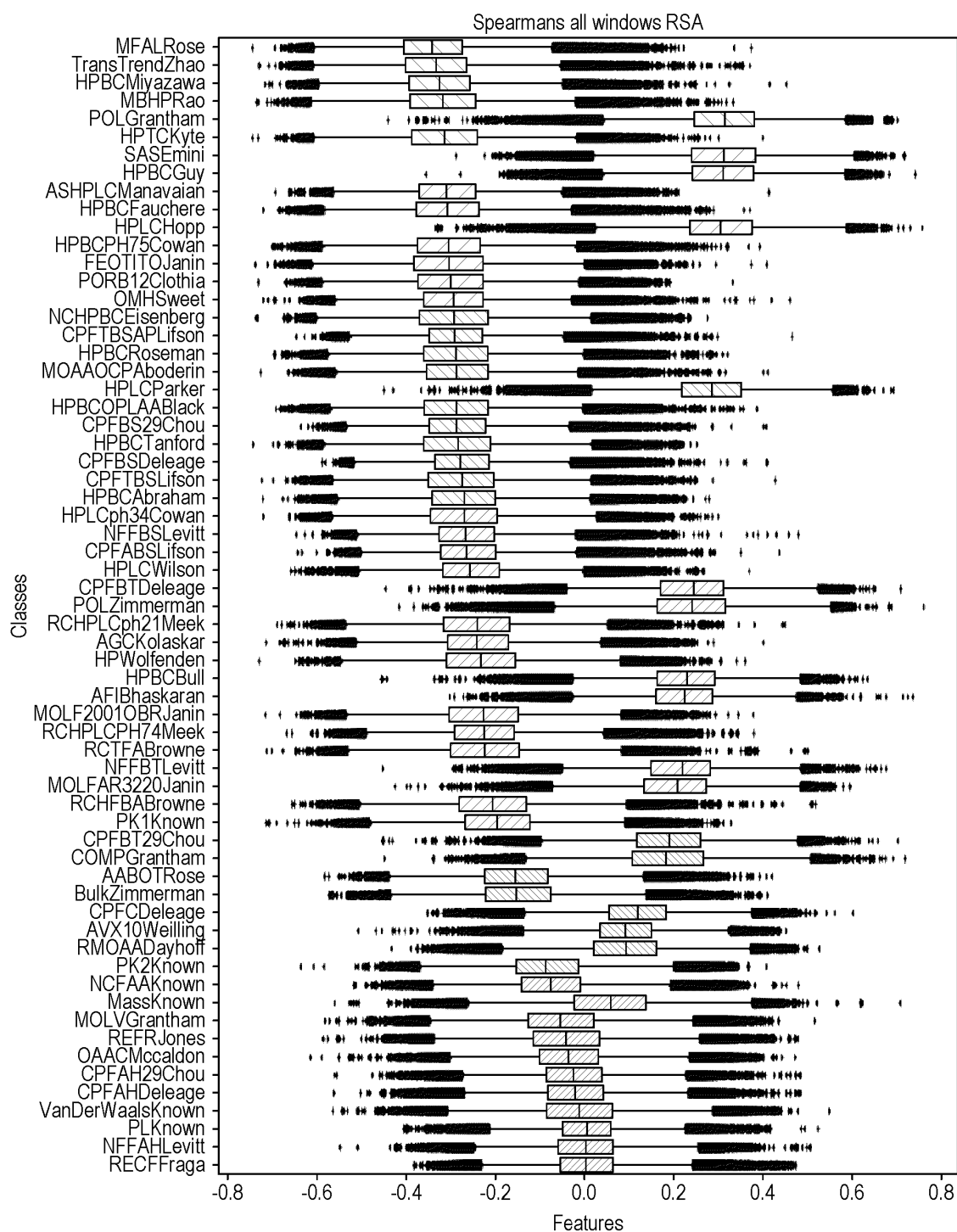


FIG. 7(a)

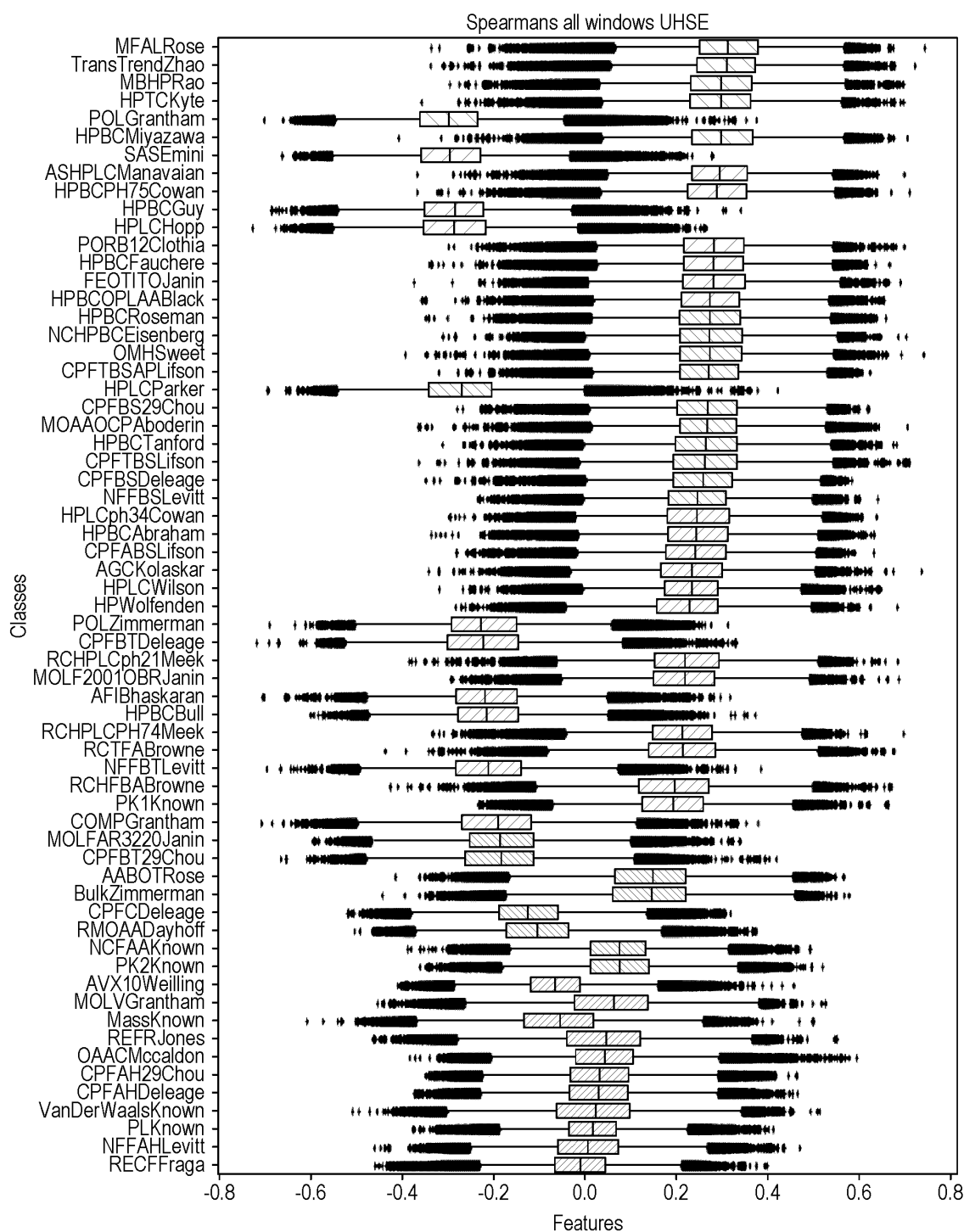


FIG. 7(b)

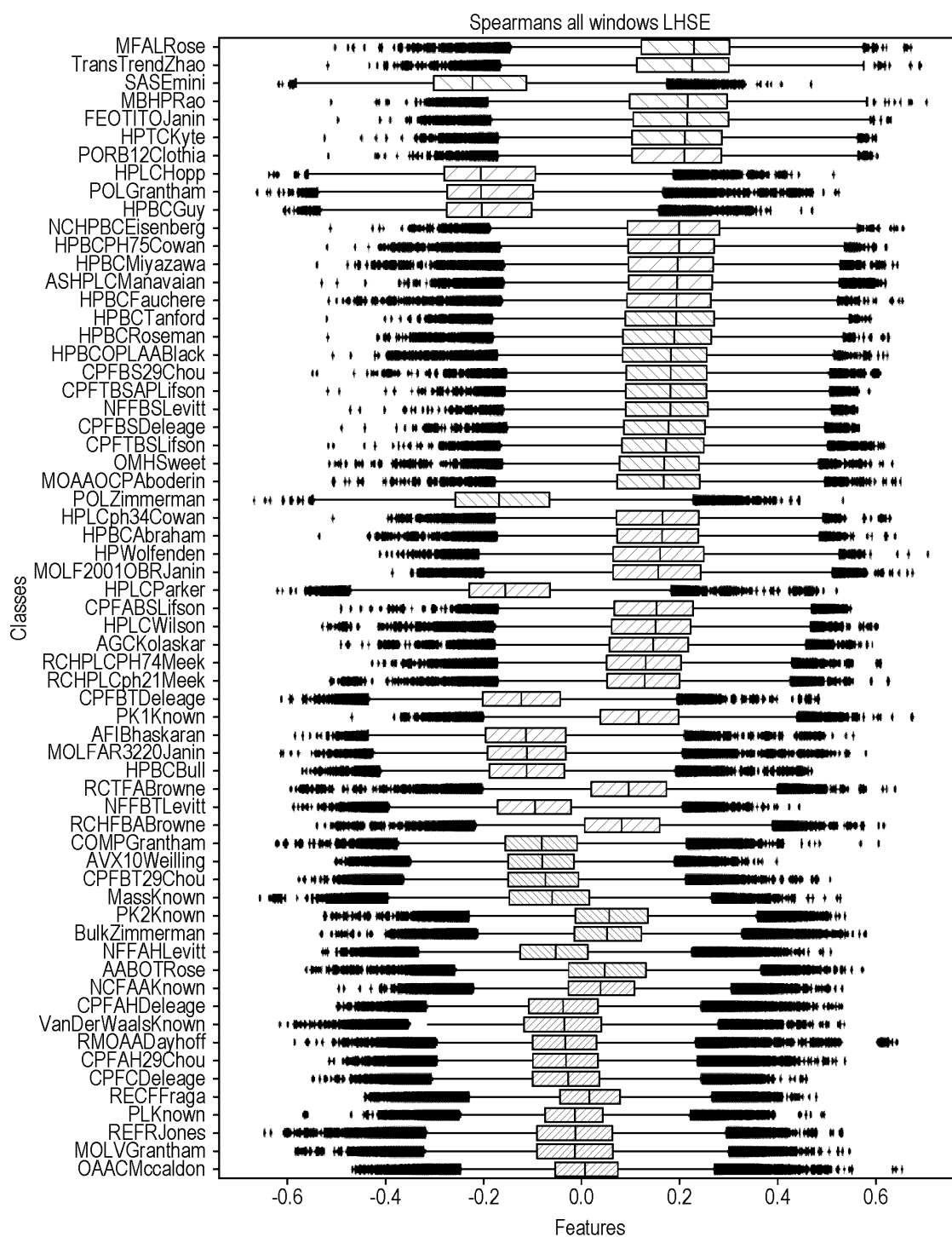


FIG. 7(c)

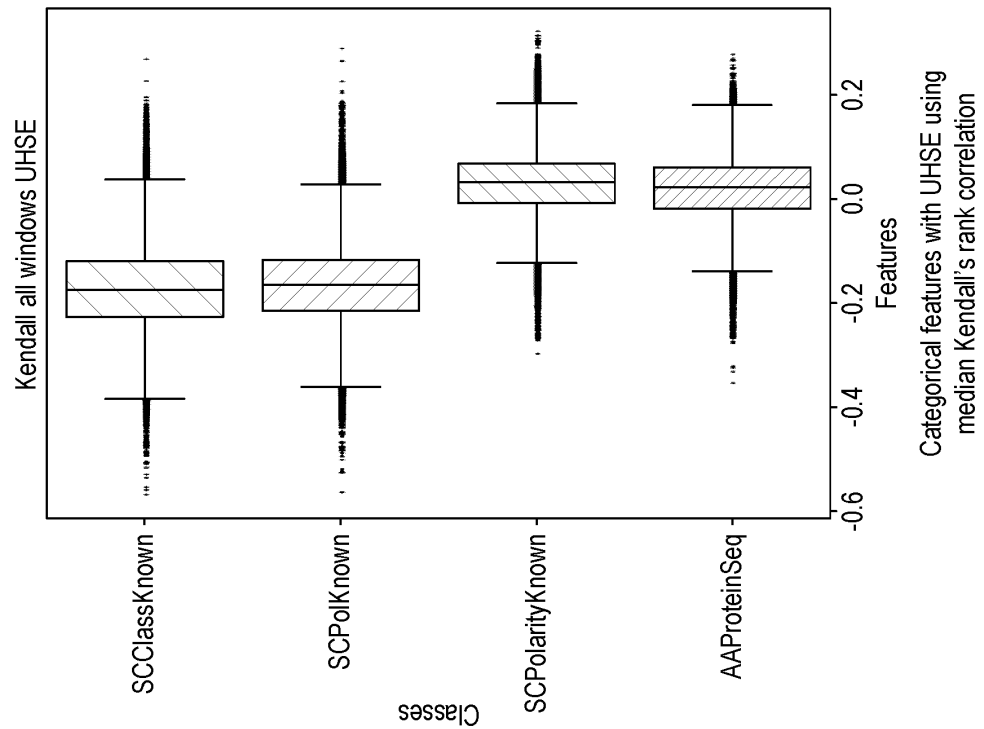


FIG. 8(b)

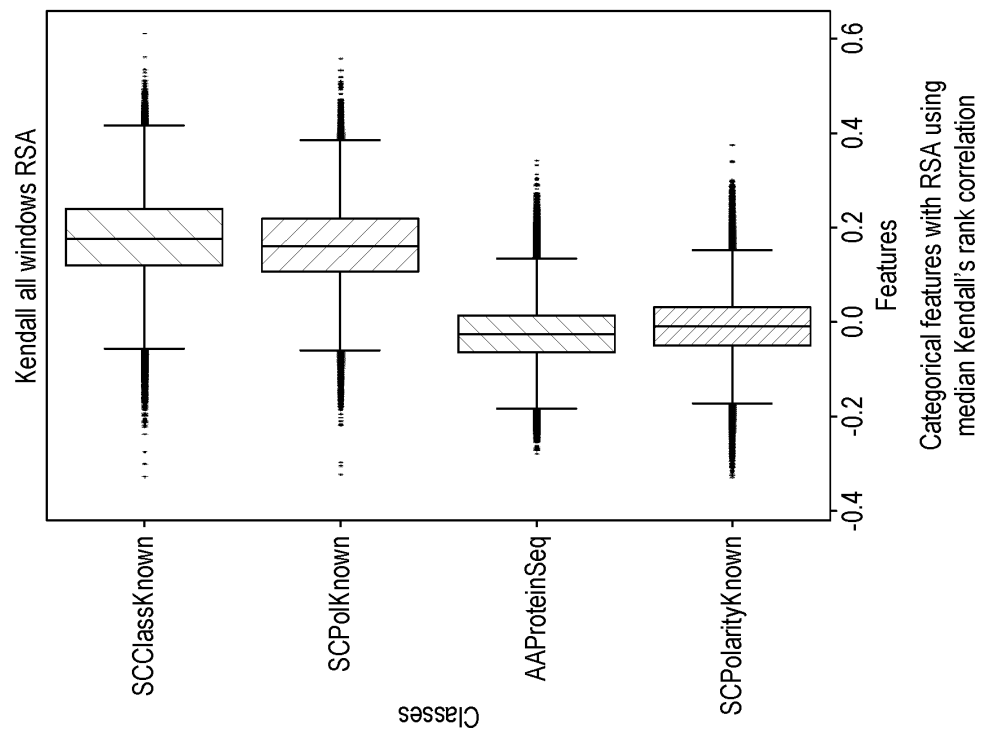


FIG. 8(a)

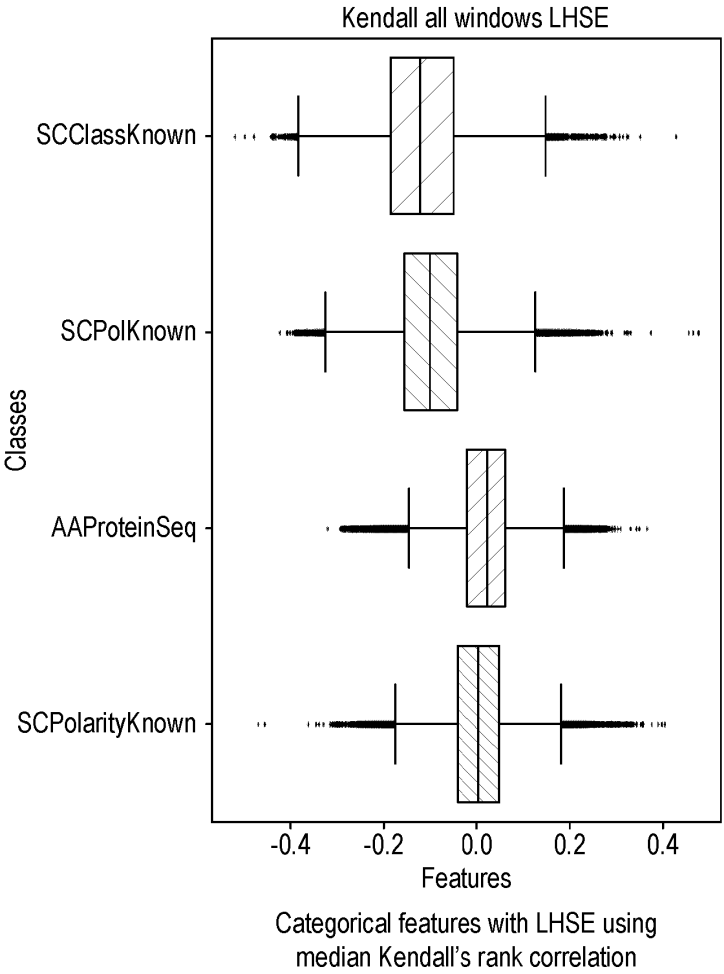


FIG. 8(c)

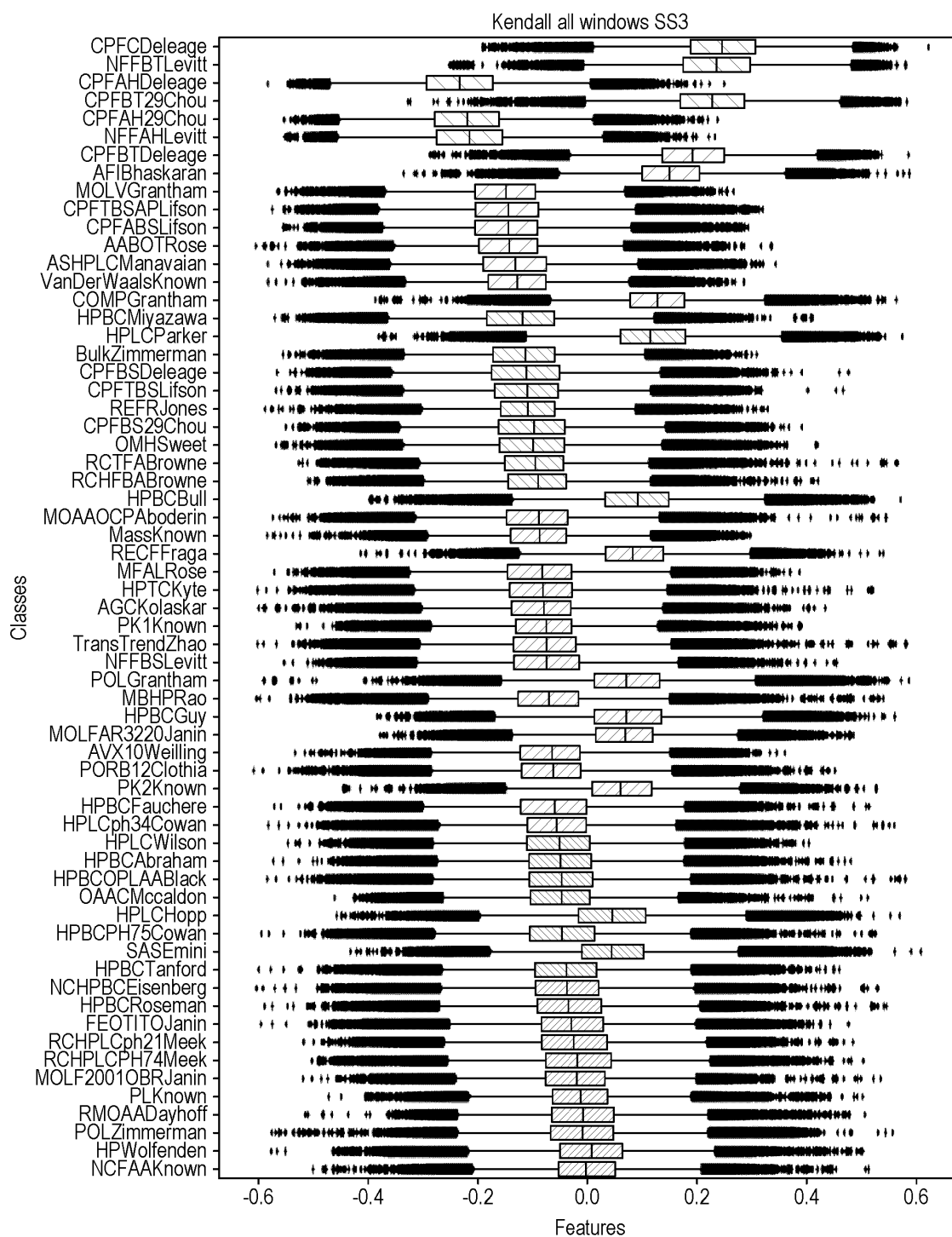


FIG. 9(a)

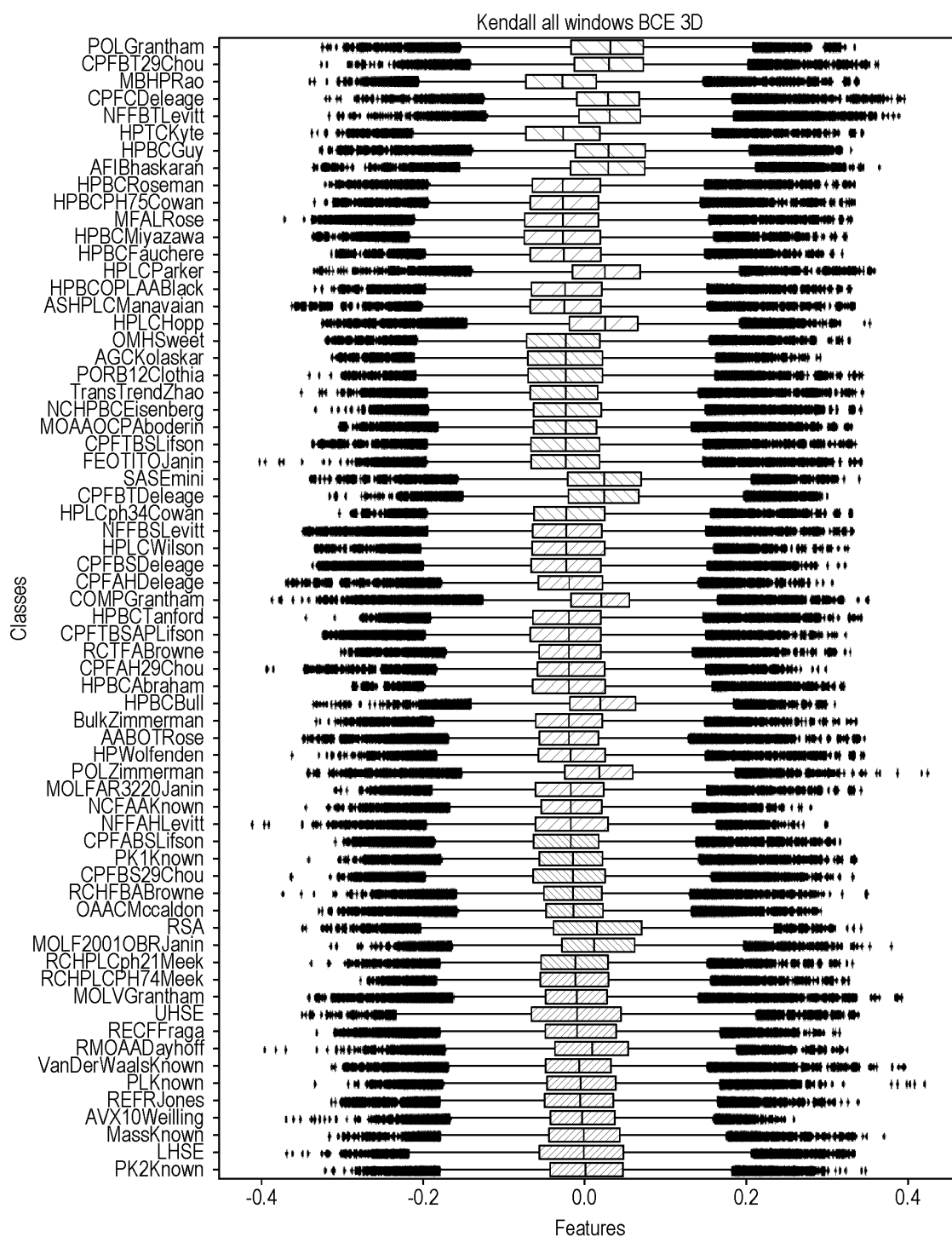
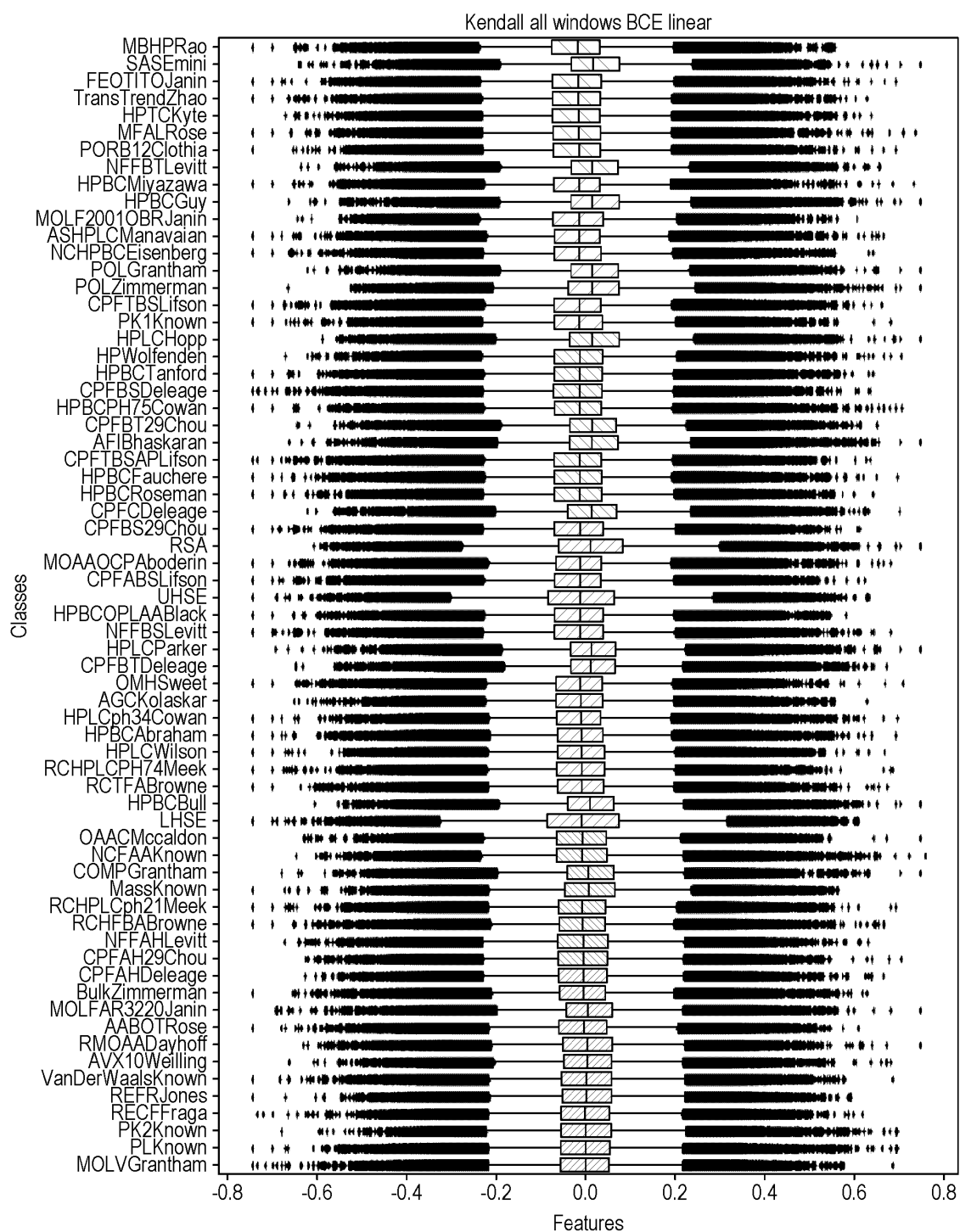
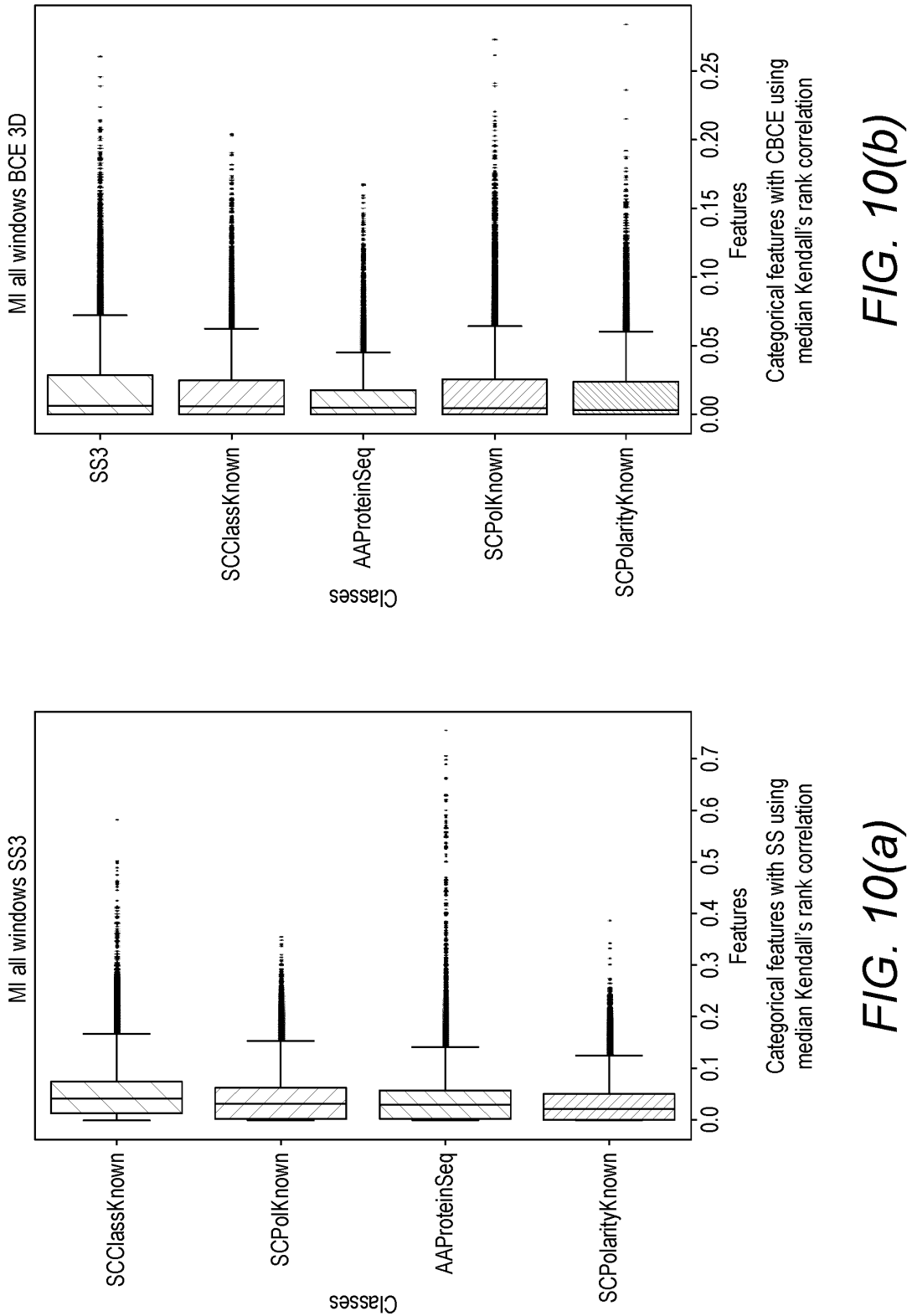


FIG. 9(b)





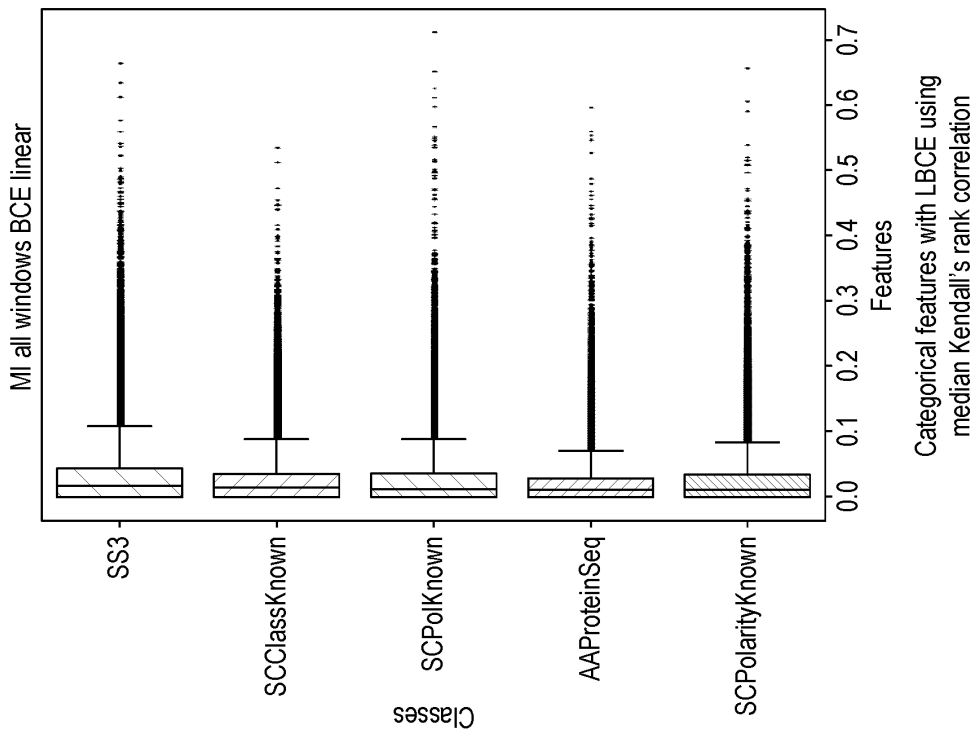


FIG. 10(c)

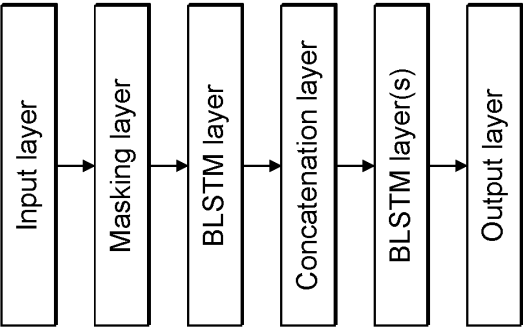


FIG. 11

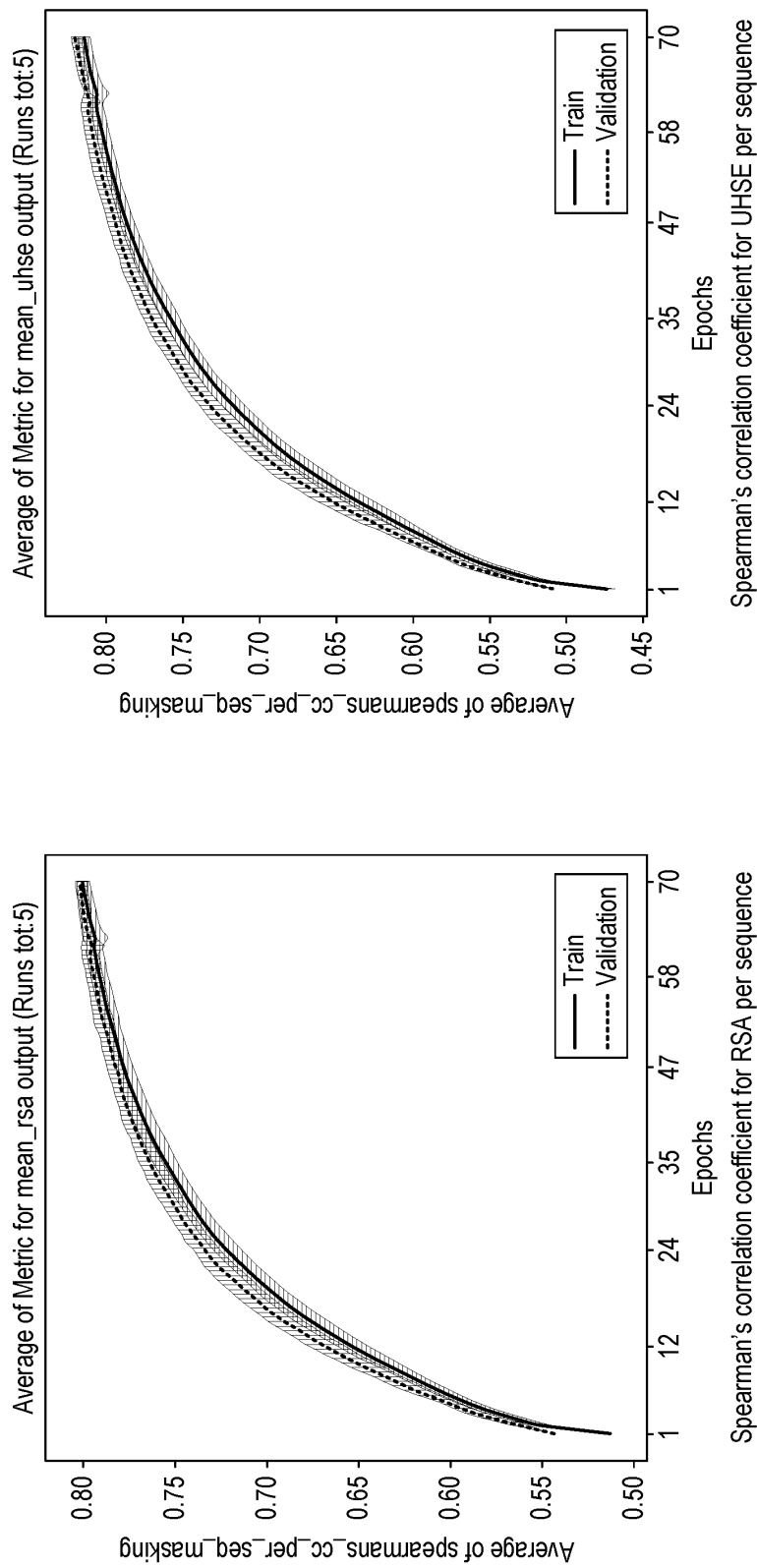


FIG. 12(a)

FIG. 12(b)

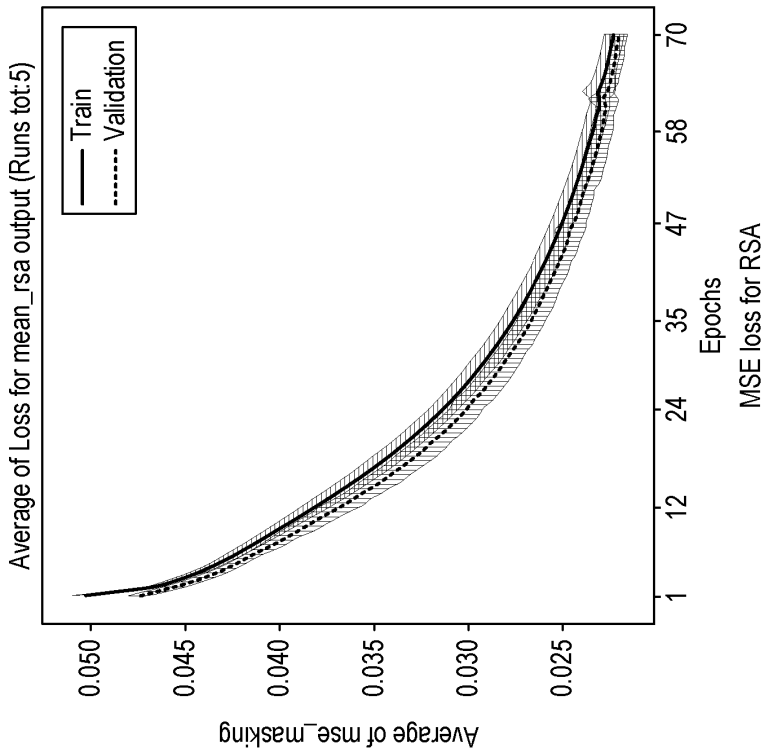


FIG. 12(d)

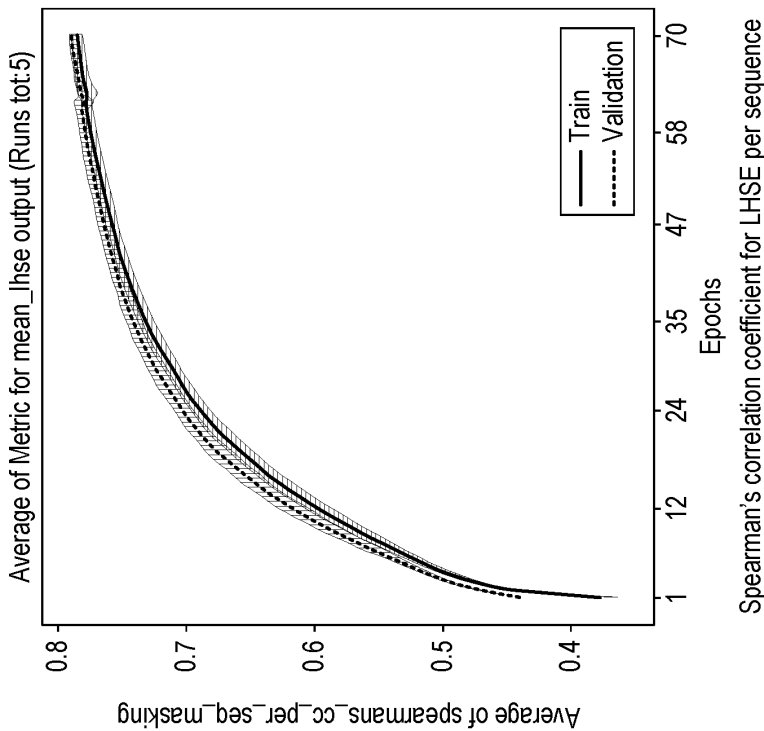


FIG. 12(c)

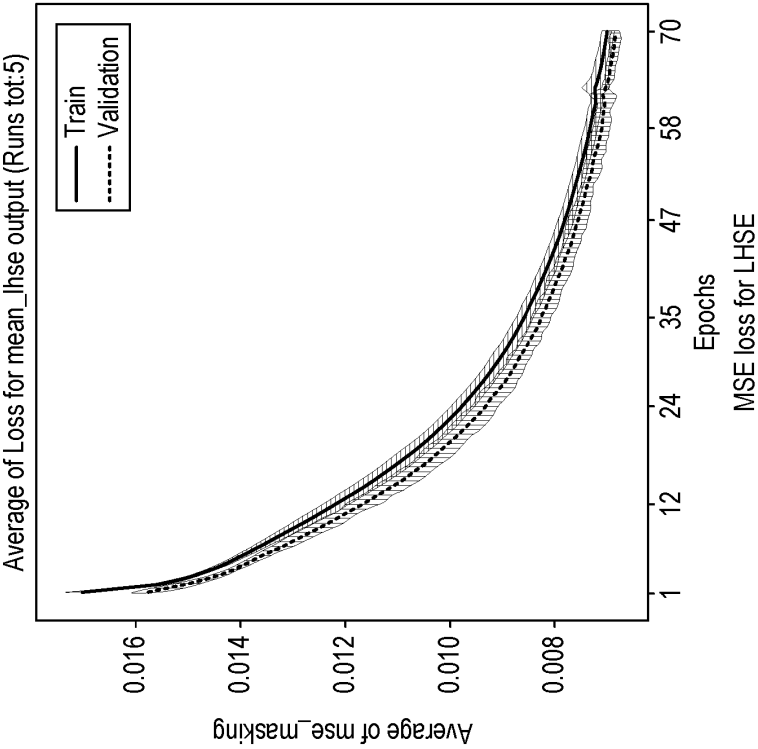


FIG. 12(f)

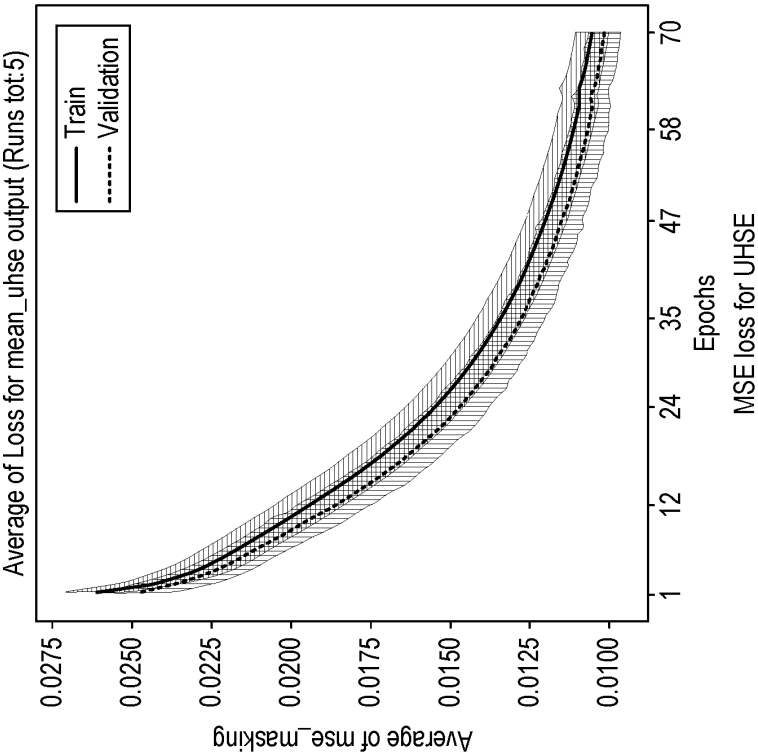


FIG. 12(e)

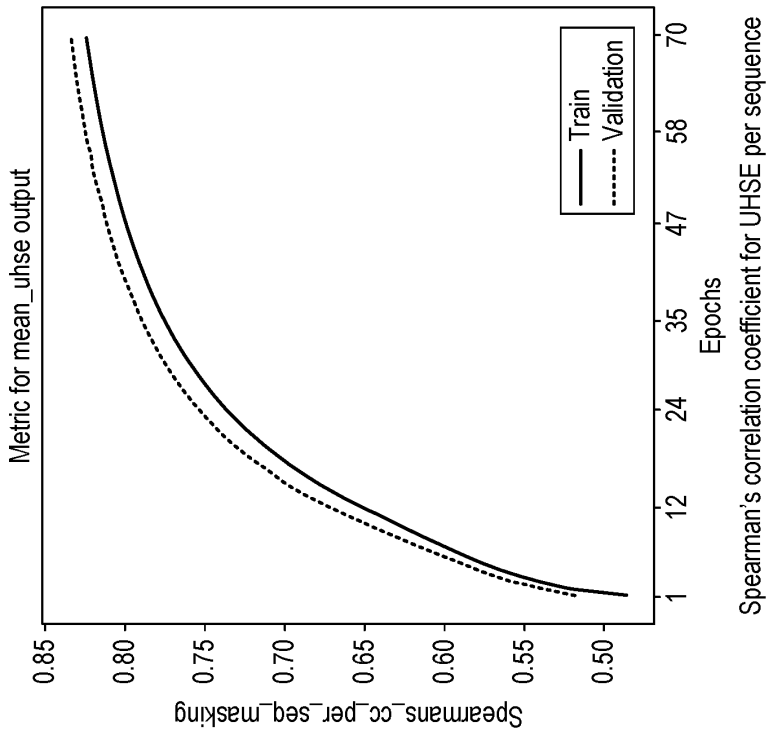


FIG. 13(b)

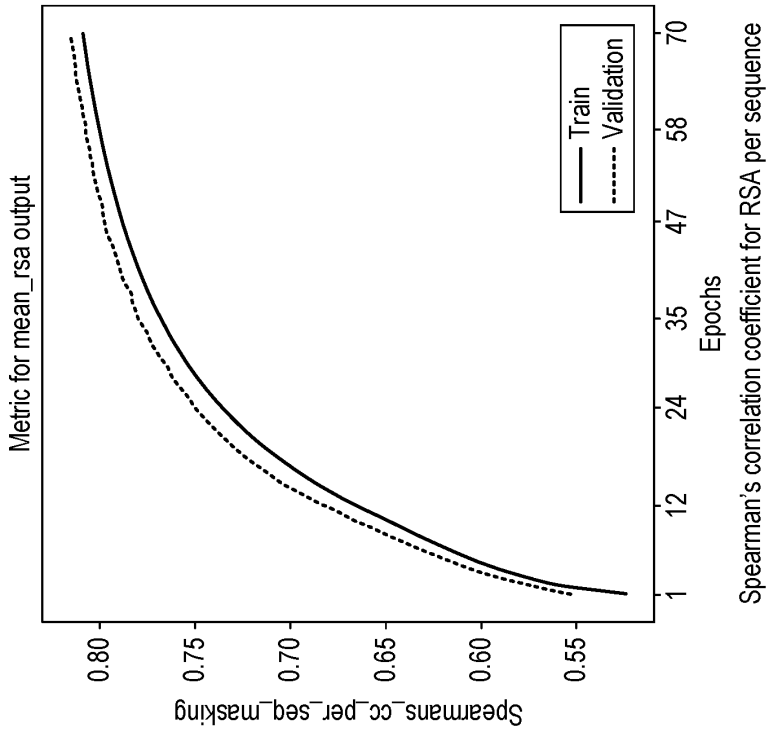


FIG. 13(a)

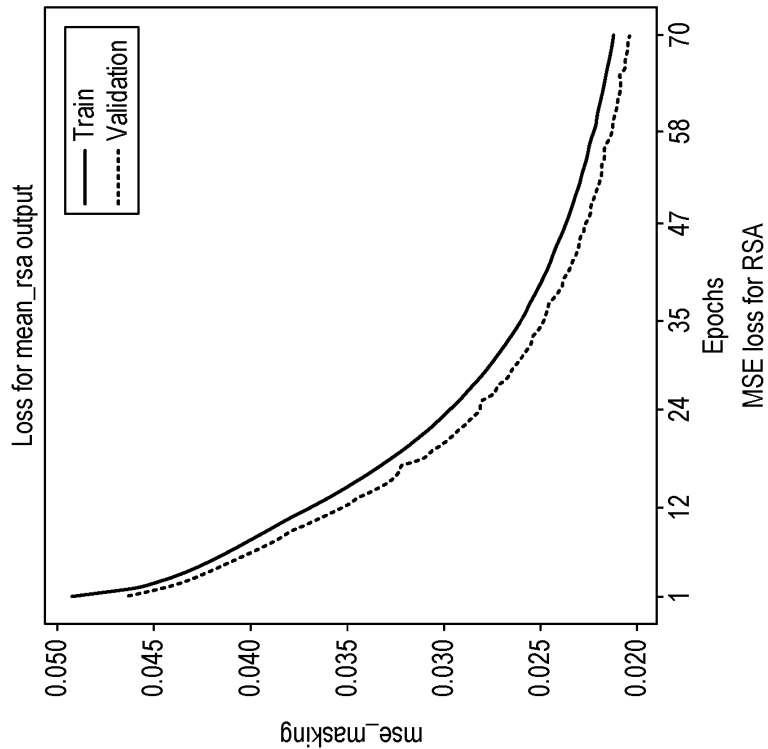


FIG. 13(d)

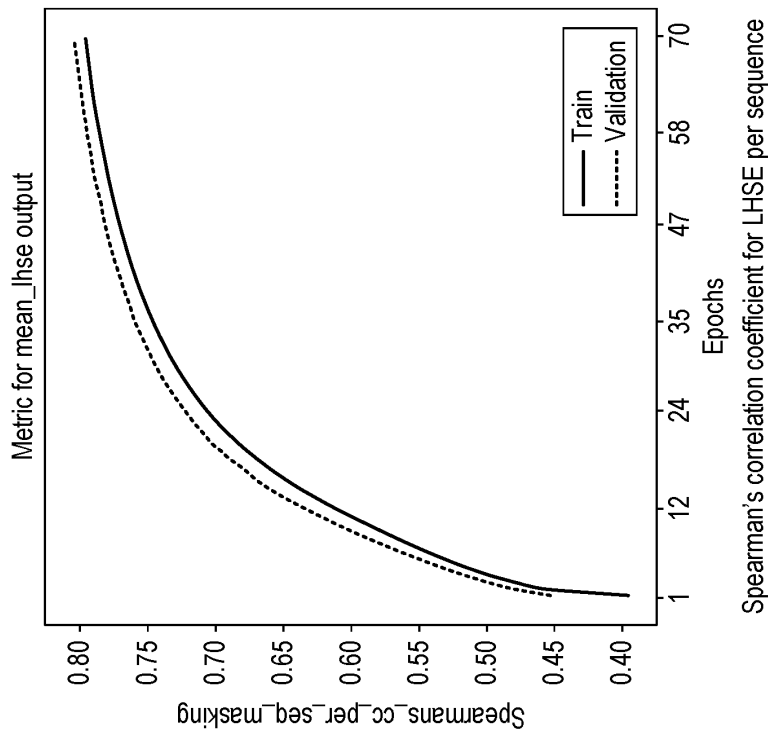


FIG. 13(c)

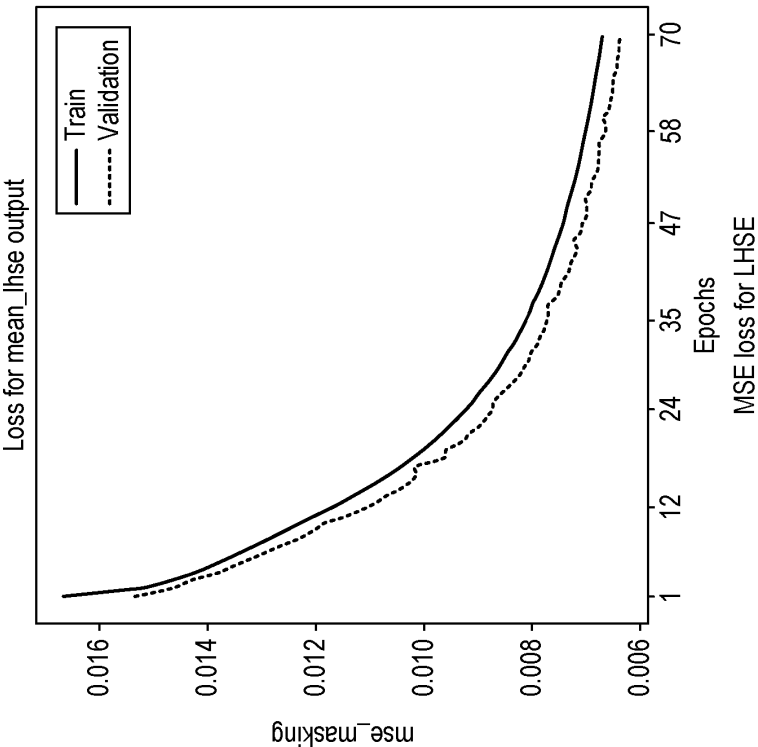


FIG. 13(f)

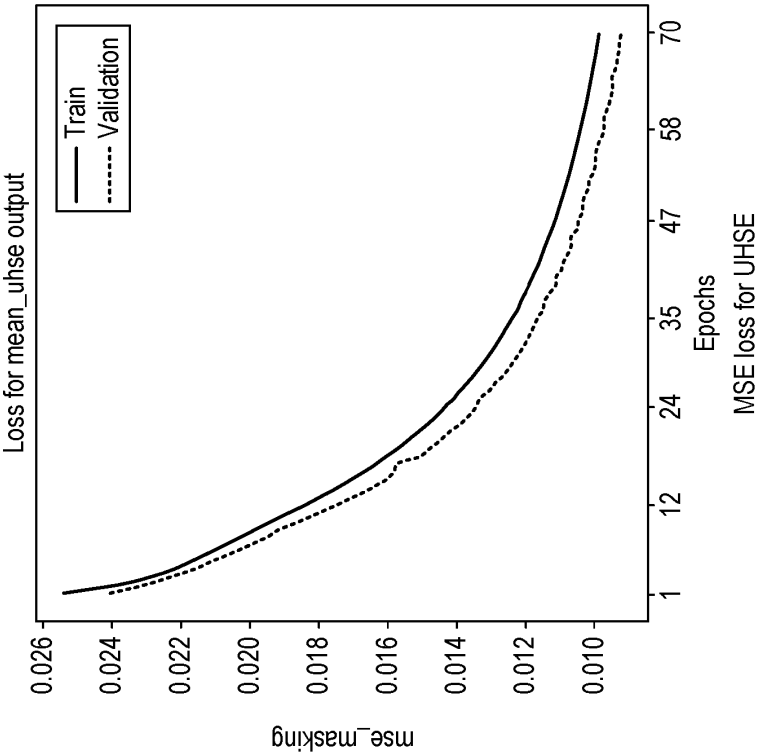


FIG. 13(e)

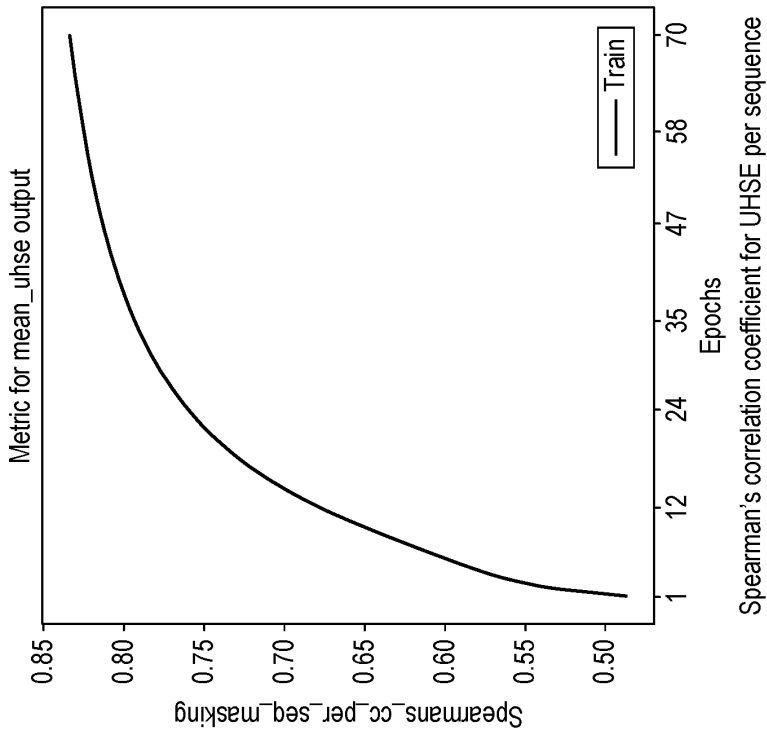


FIG. 14(b)

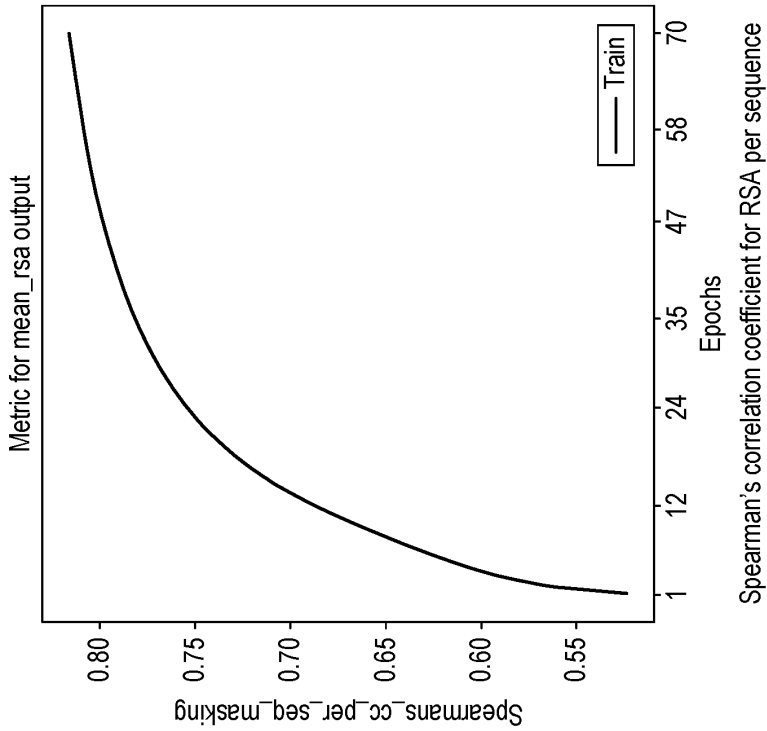


FIG. 14(a)

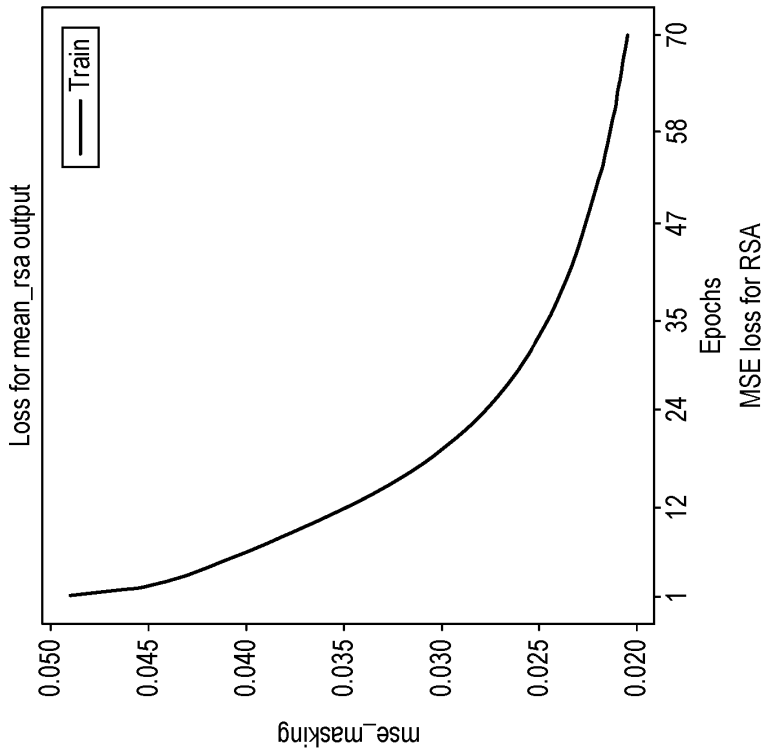


FIG. 14(d)

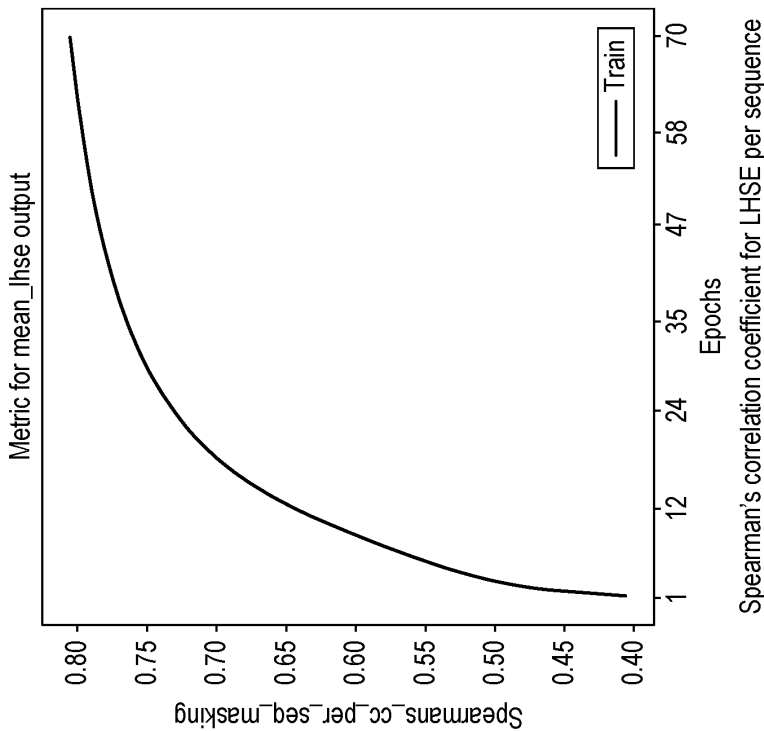


FIG. 14(c)

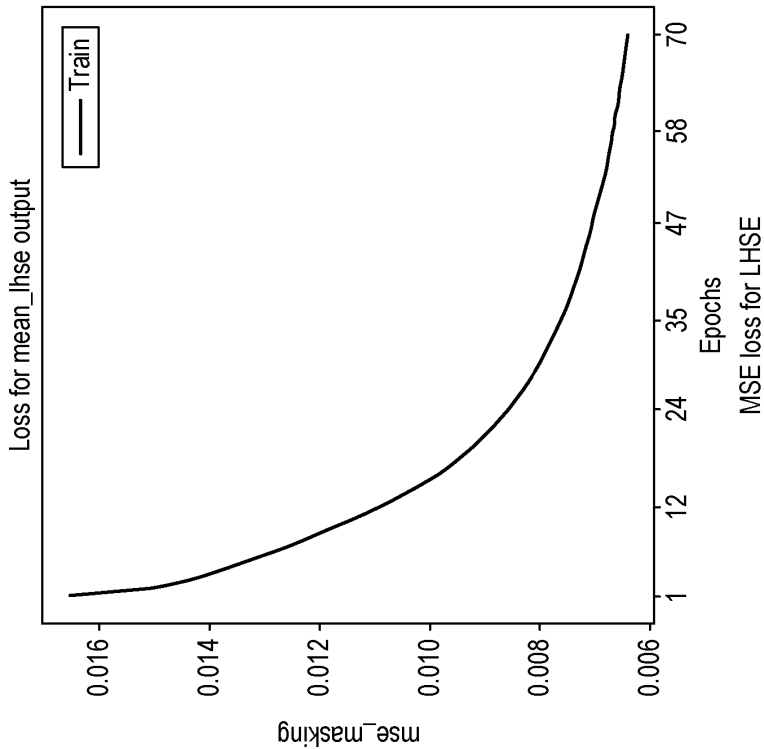


FIG. 14(f)

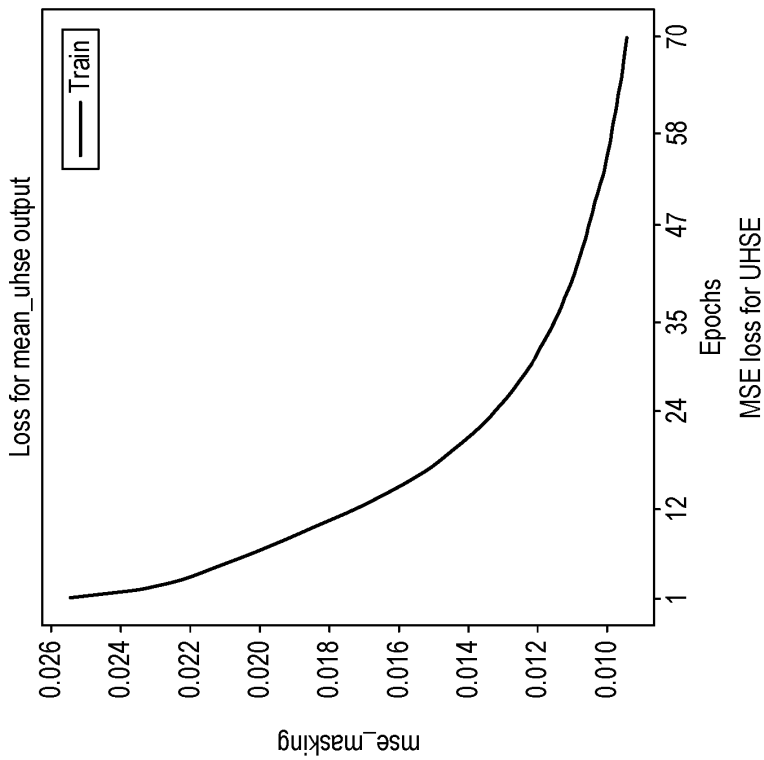


FIG. 14(e)

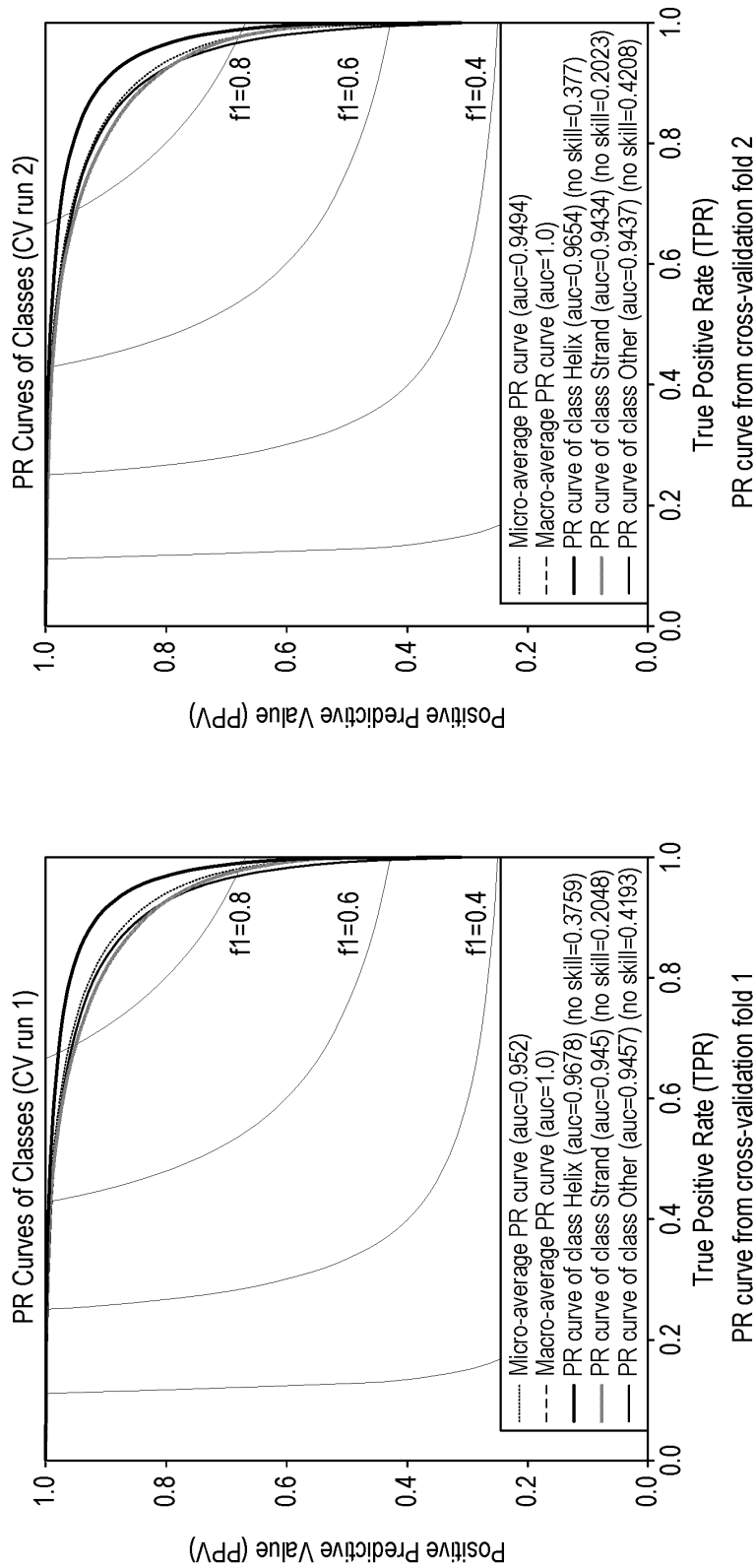


FIG. 15(a)

FIG. 15(b)

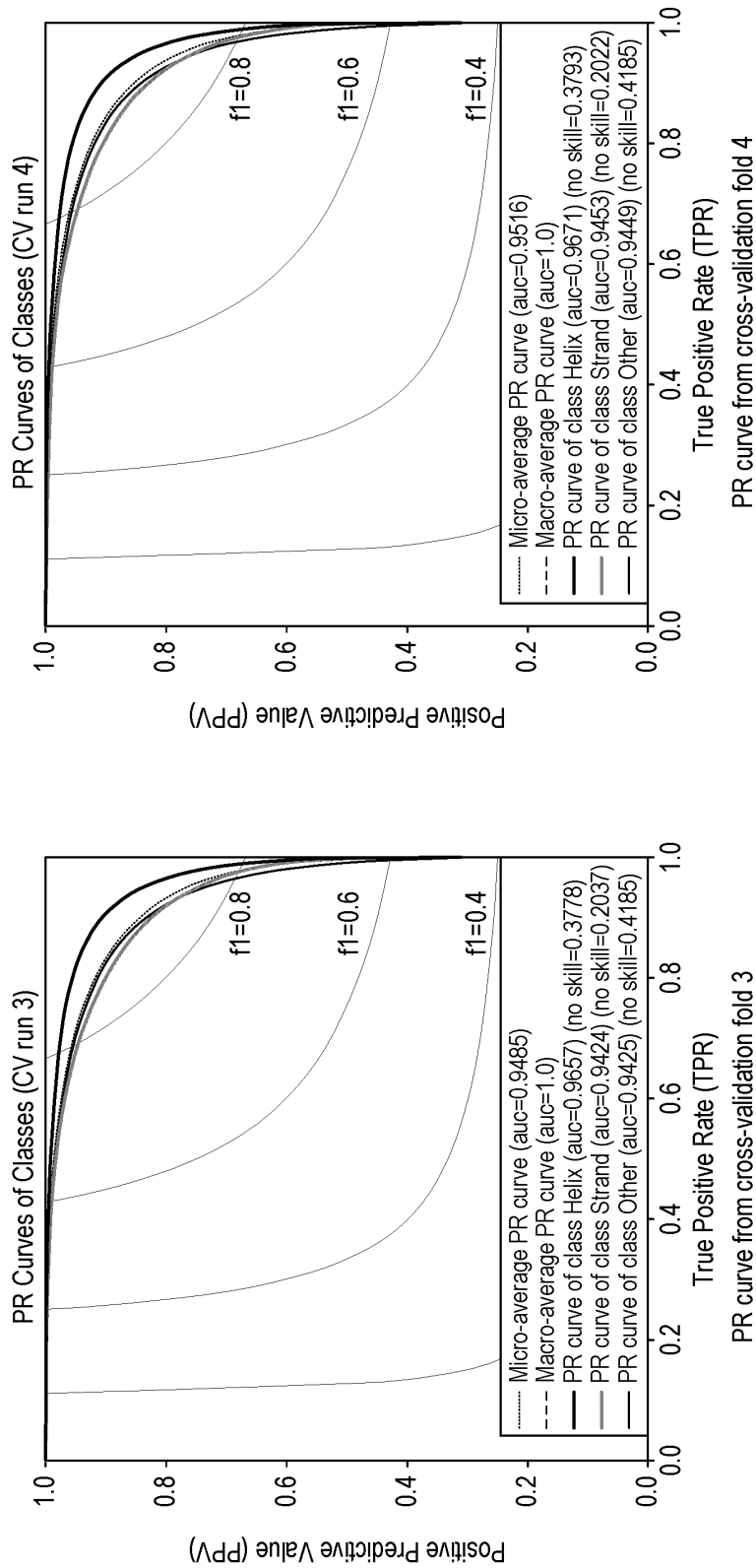
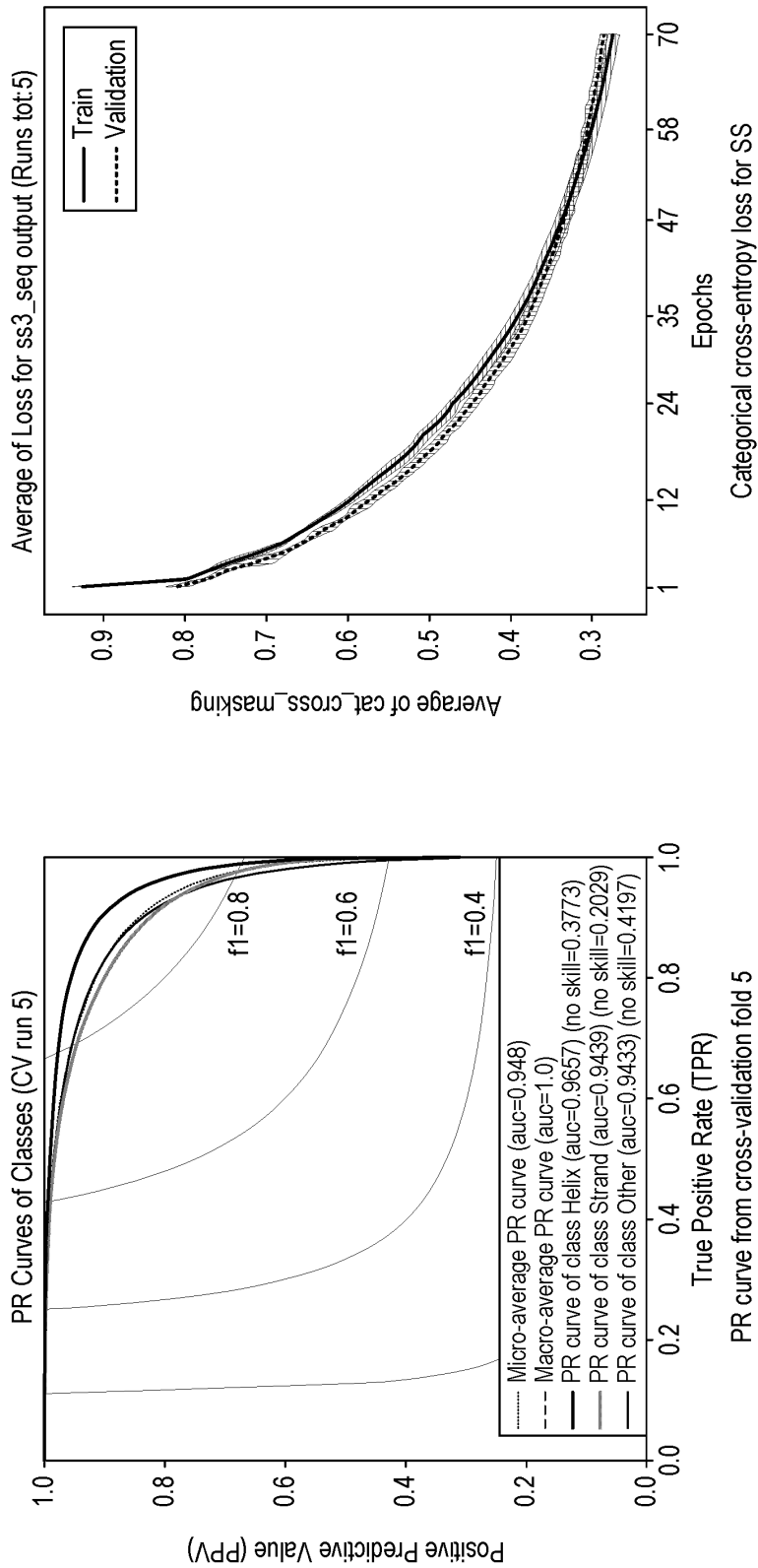


FIG. 15(c)

FIG. 15(d)



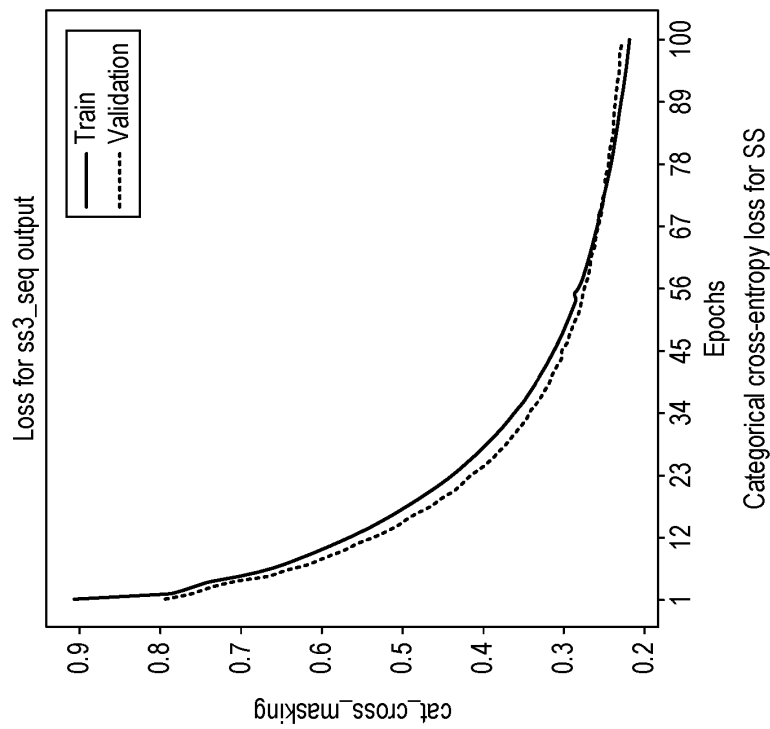


FIG. 16(b)

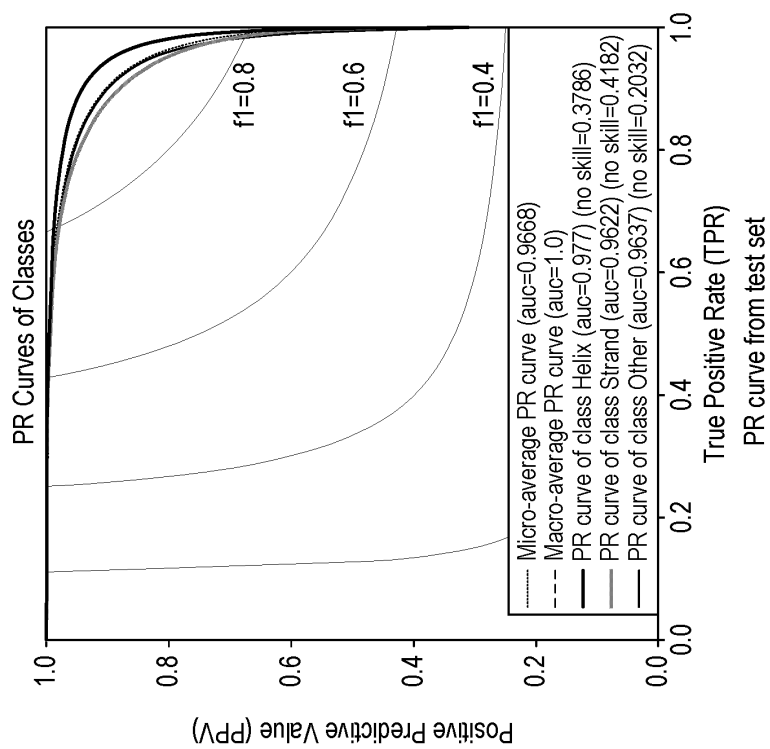


FIG. 16(a)

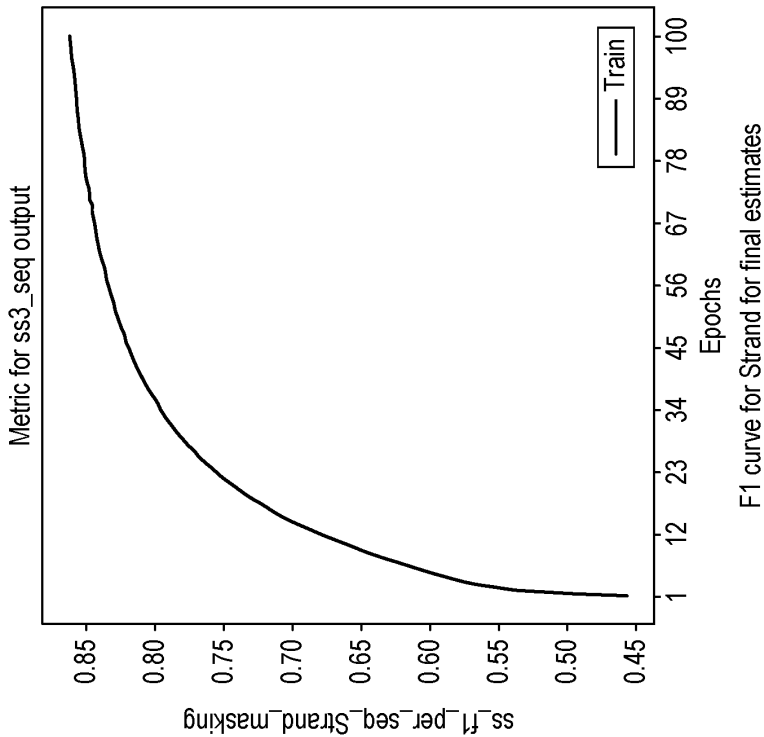


FIG. 17(b)

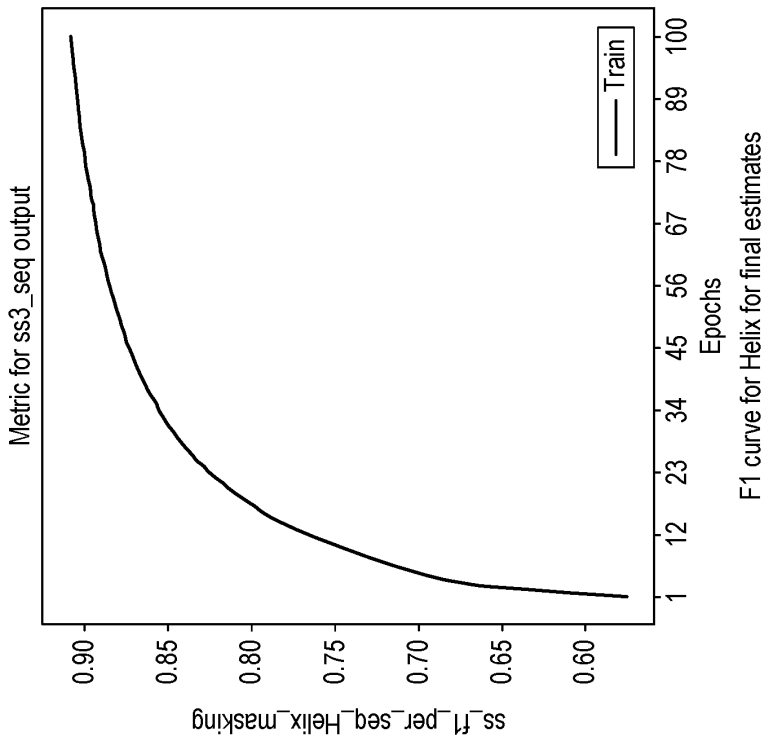


FIG. 17(a)

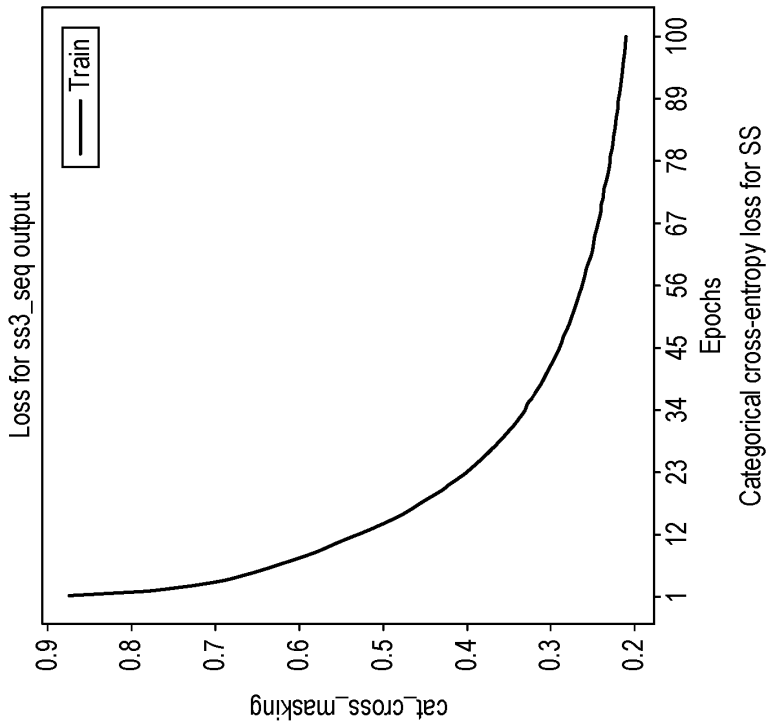


FIG. 17(d)

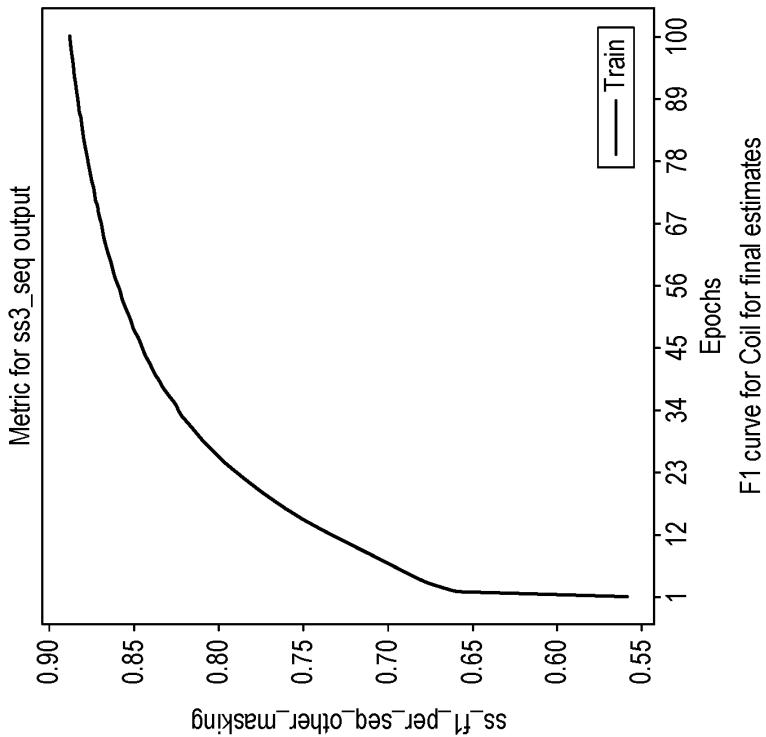
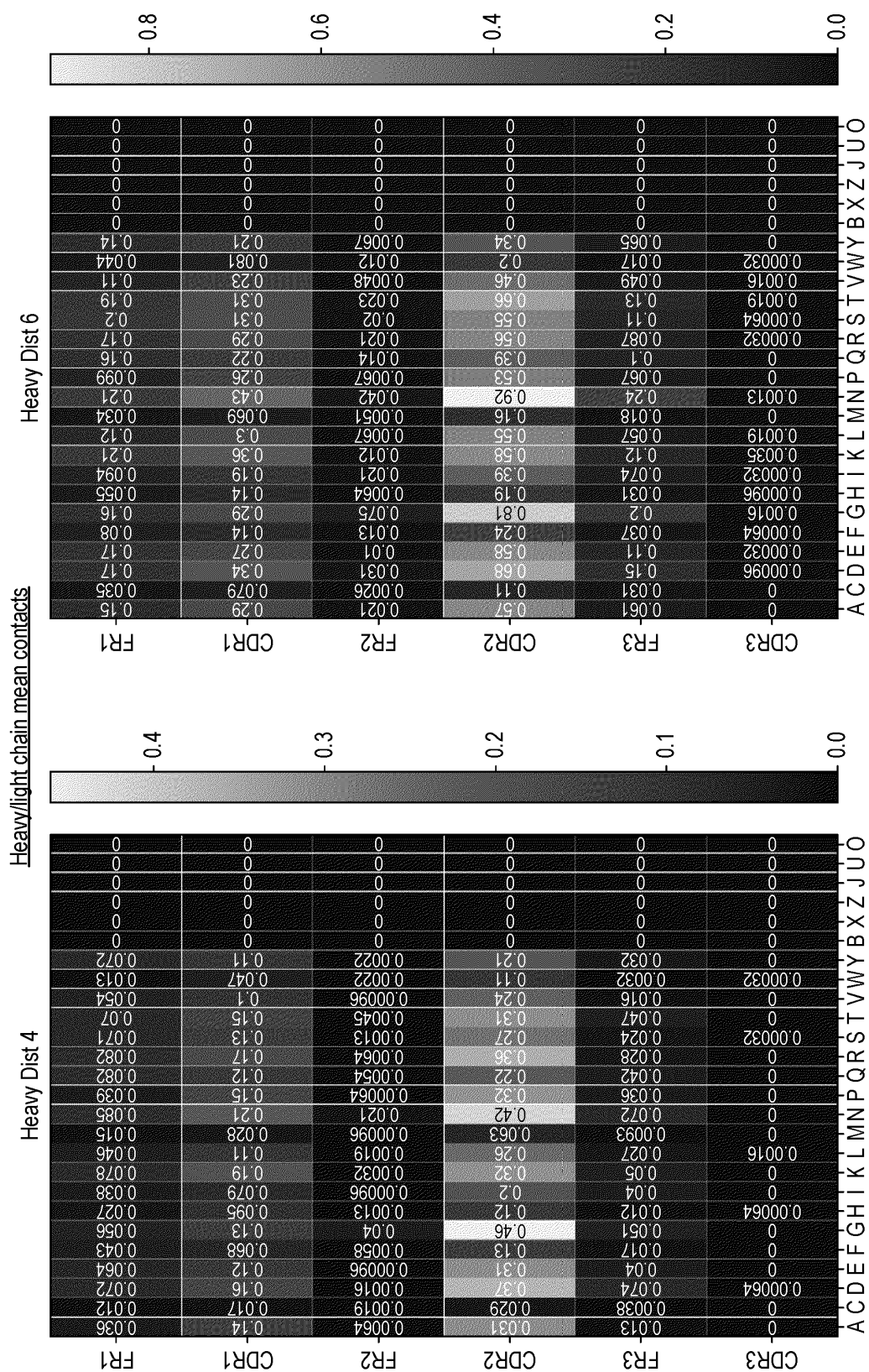


FIG. 17(c)



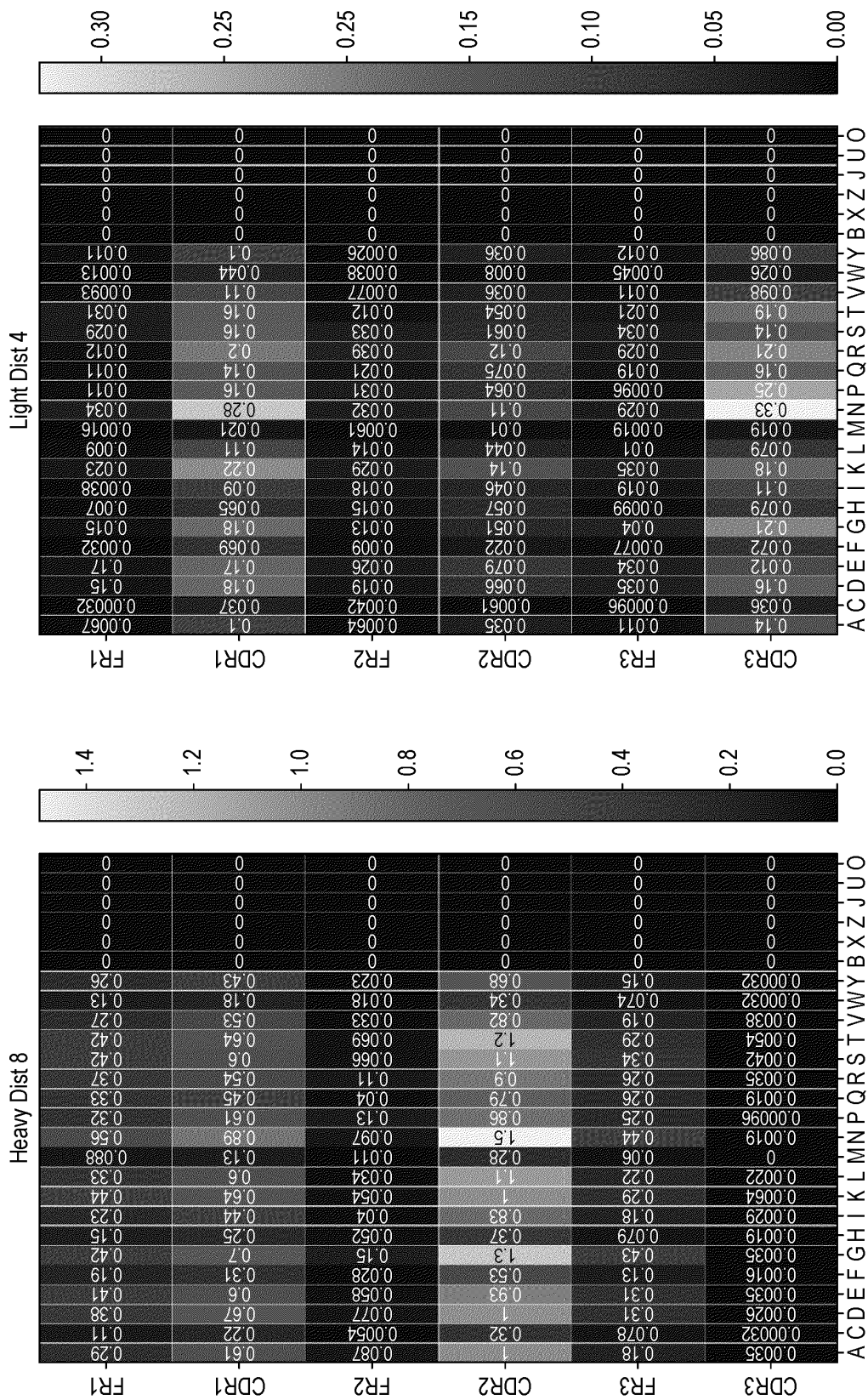


FIG. 18(a) Cont'd

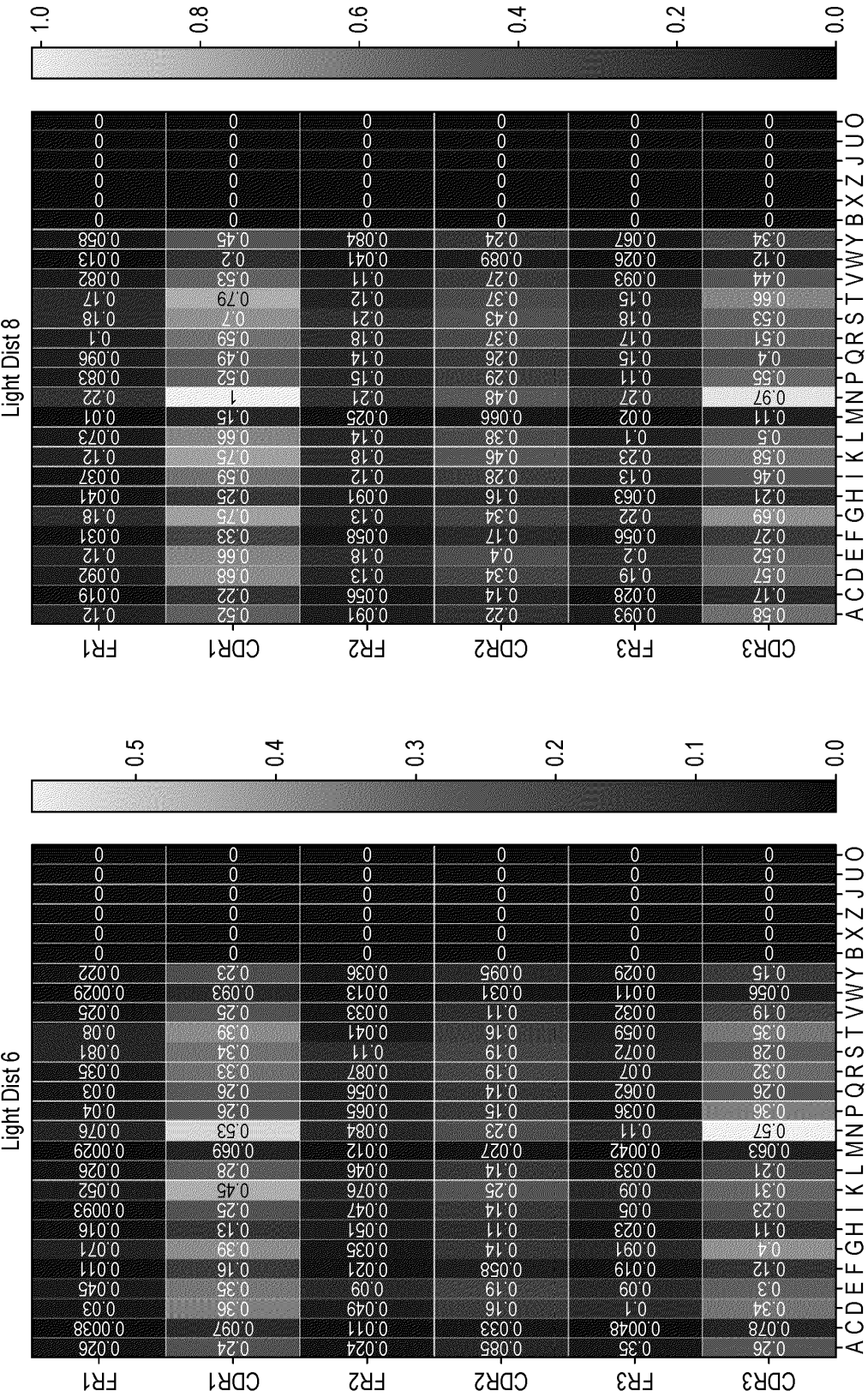


FIG. 18(a) Cont'd

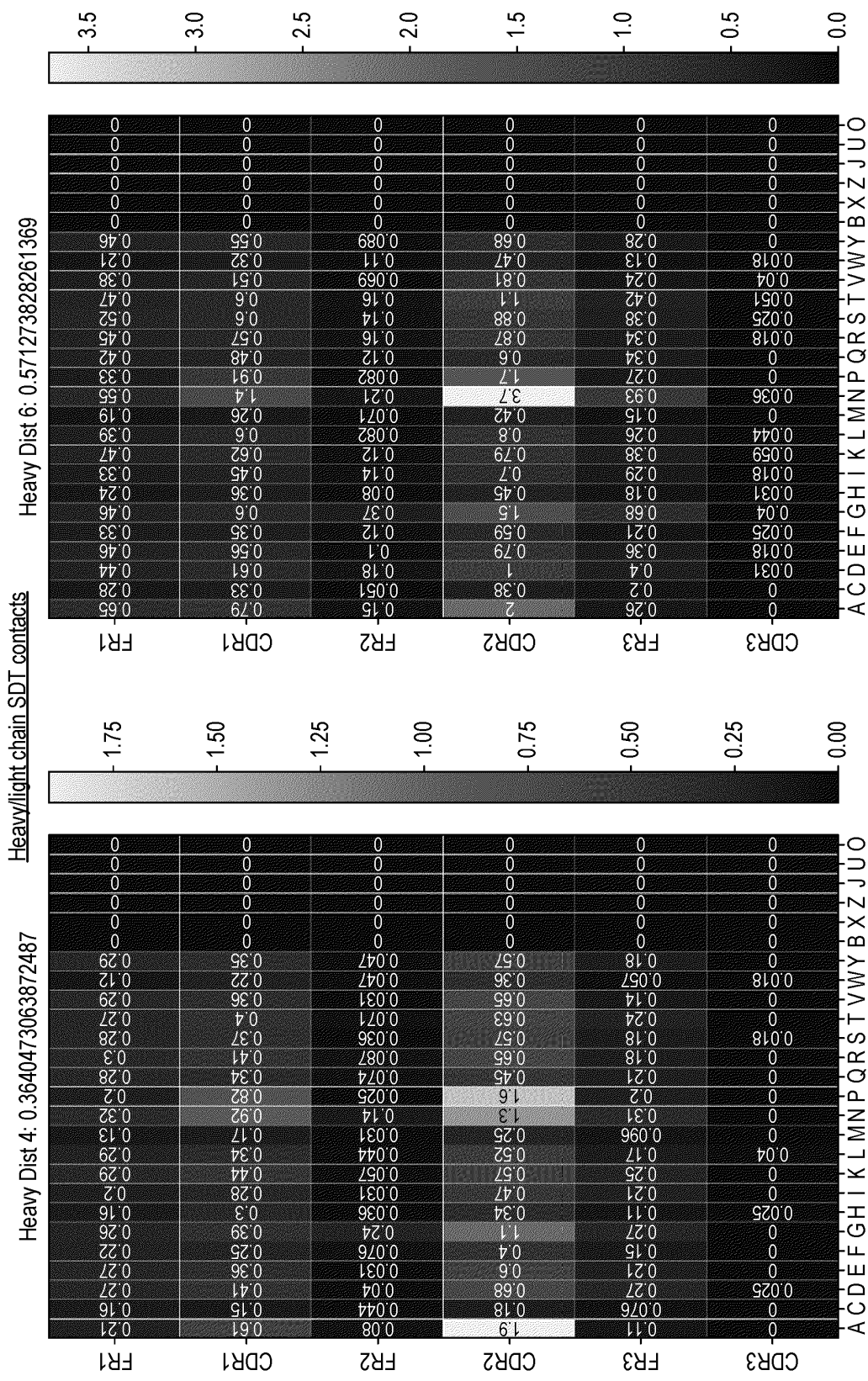


FIG. 18(b)

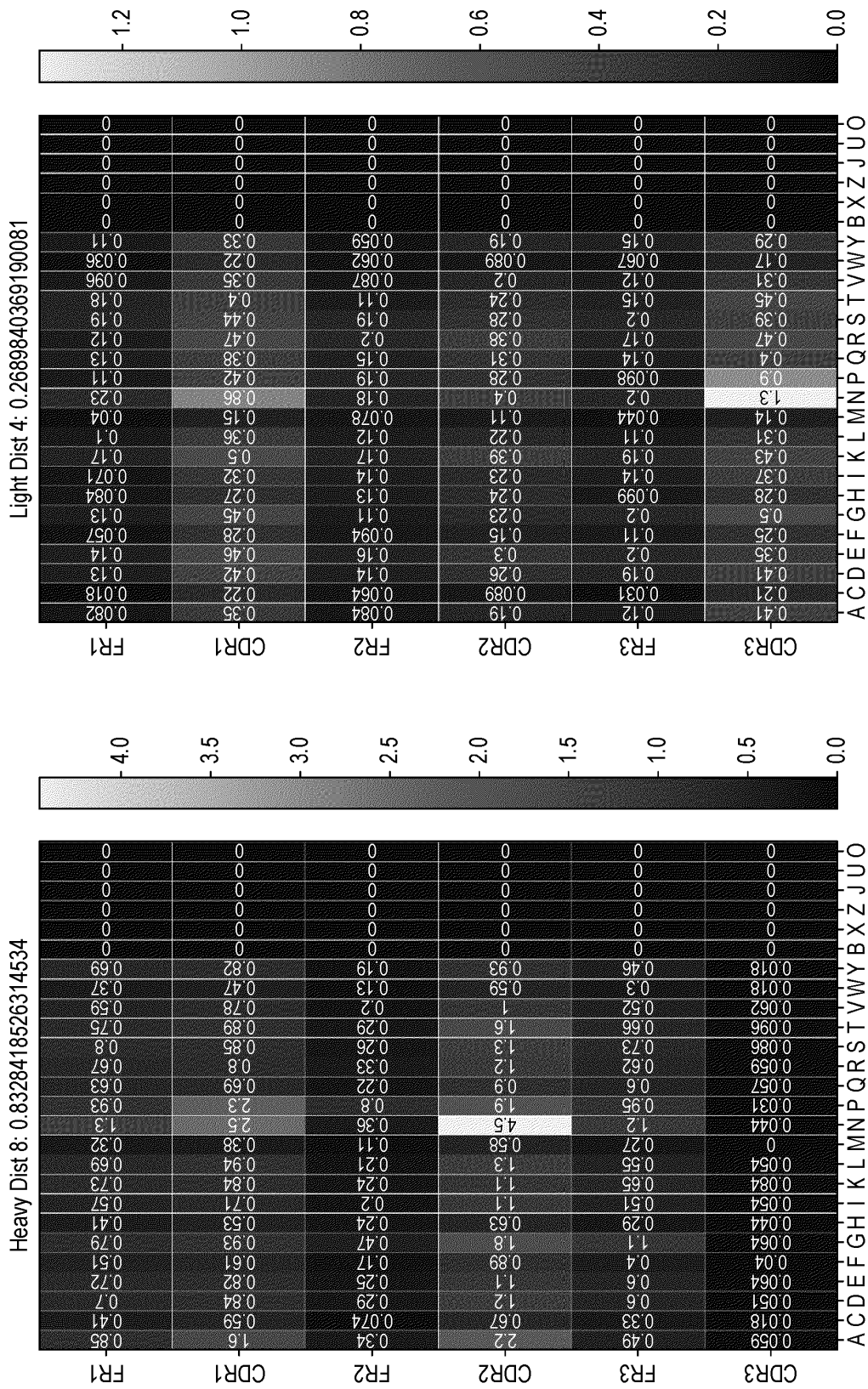


FIG. 18(b) Cont'd

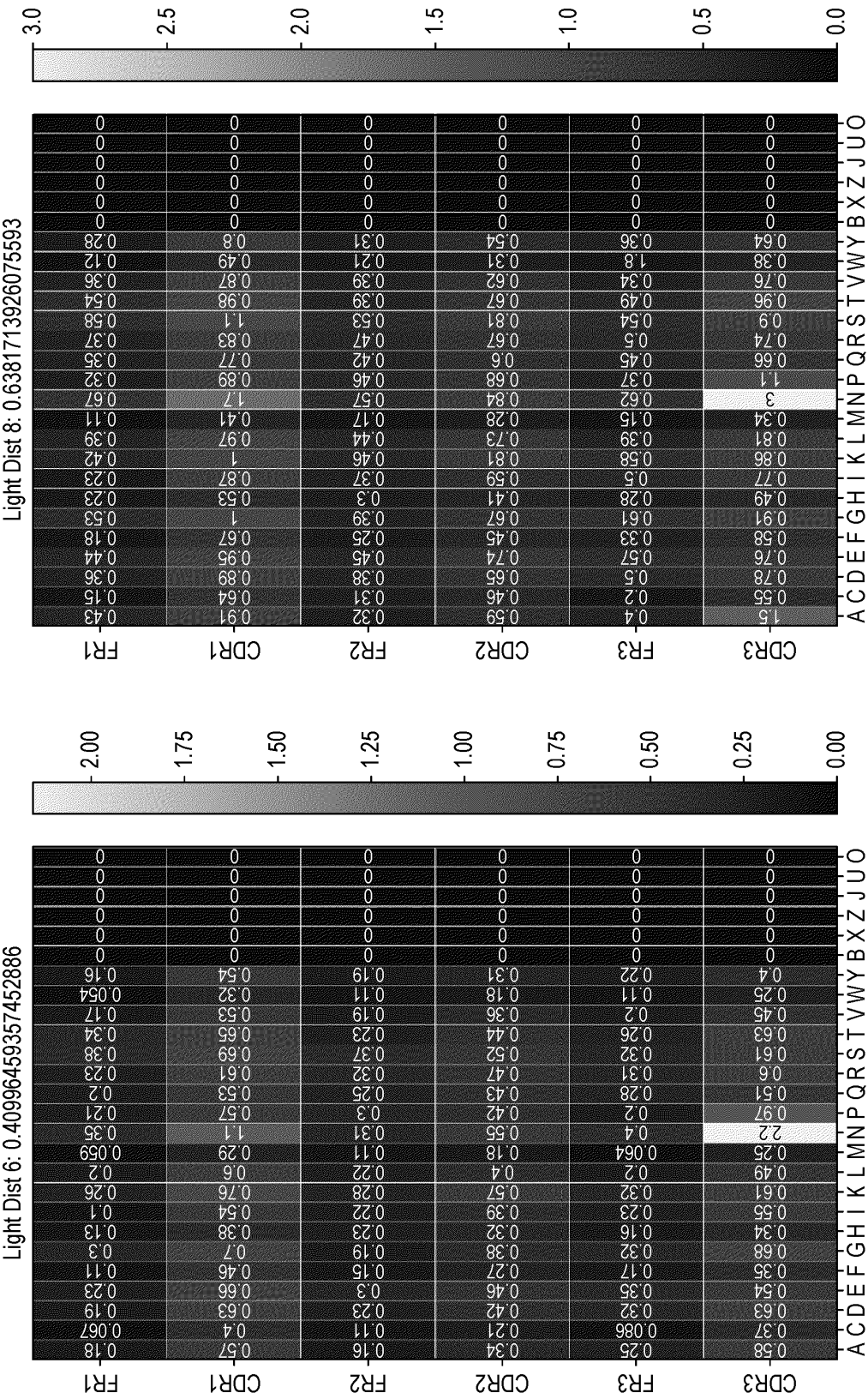
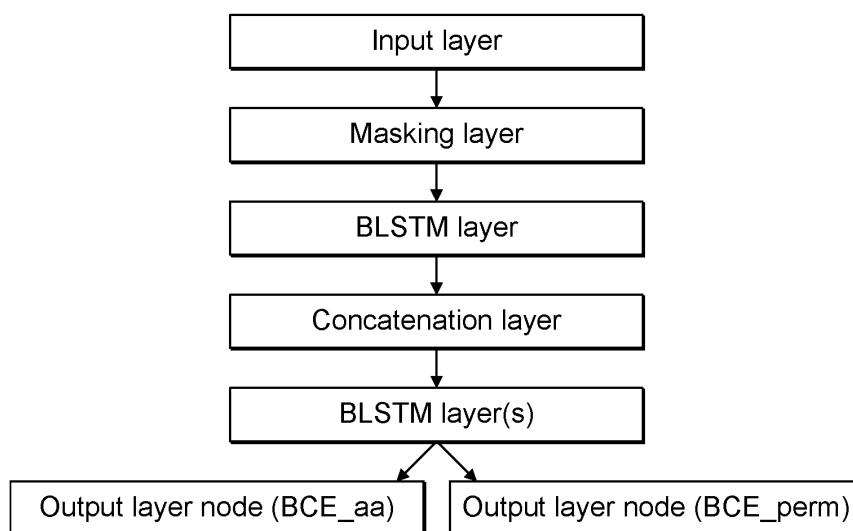
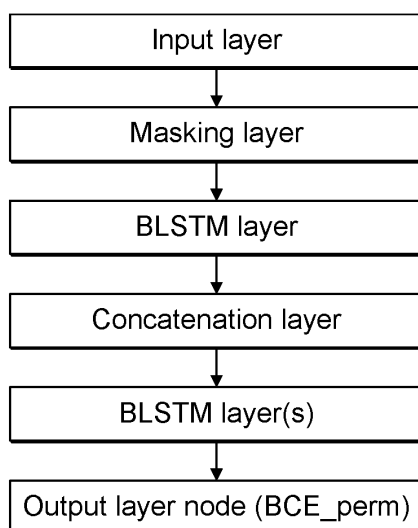


FIG. 18(b) Cont'd

*FIG. 19(a)**FIG. 19(b)*

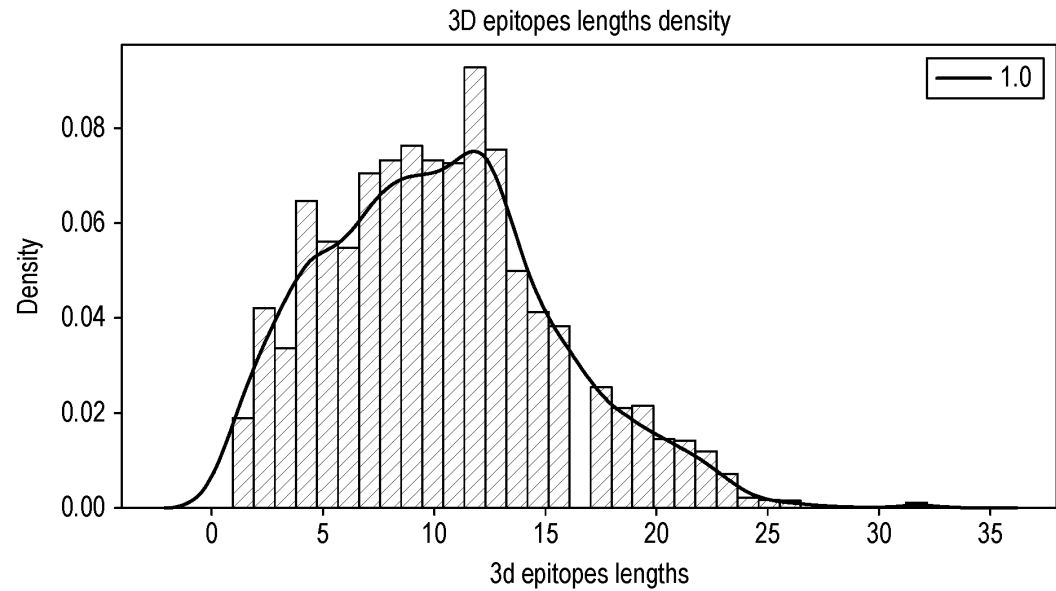


FIG. 20(a)

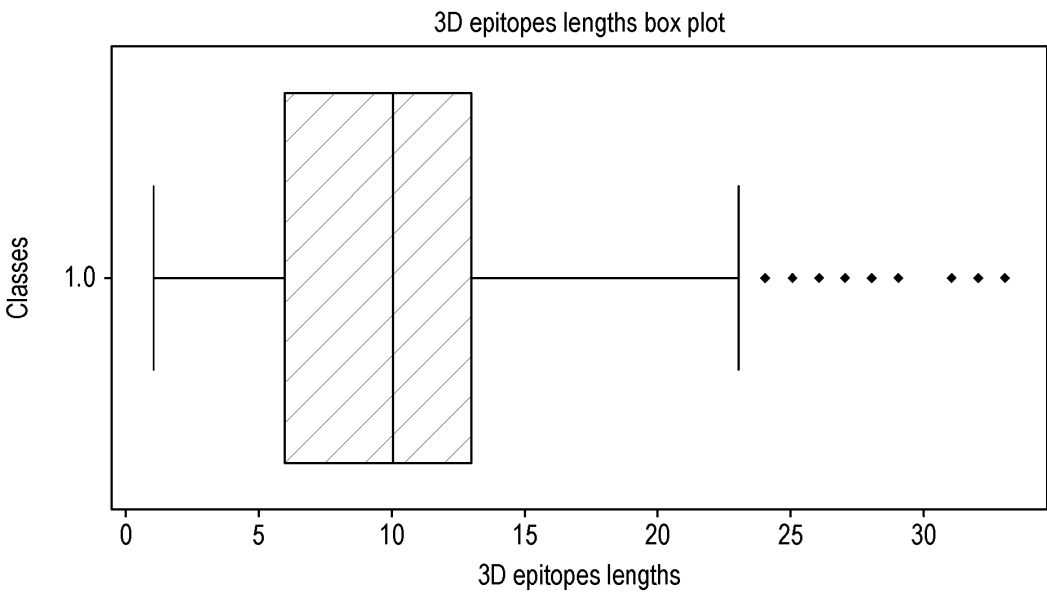


FIG. 20(b)

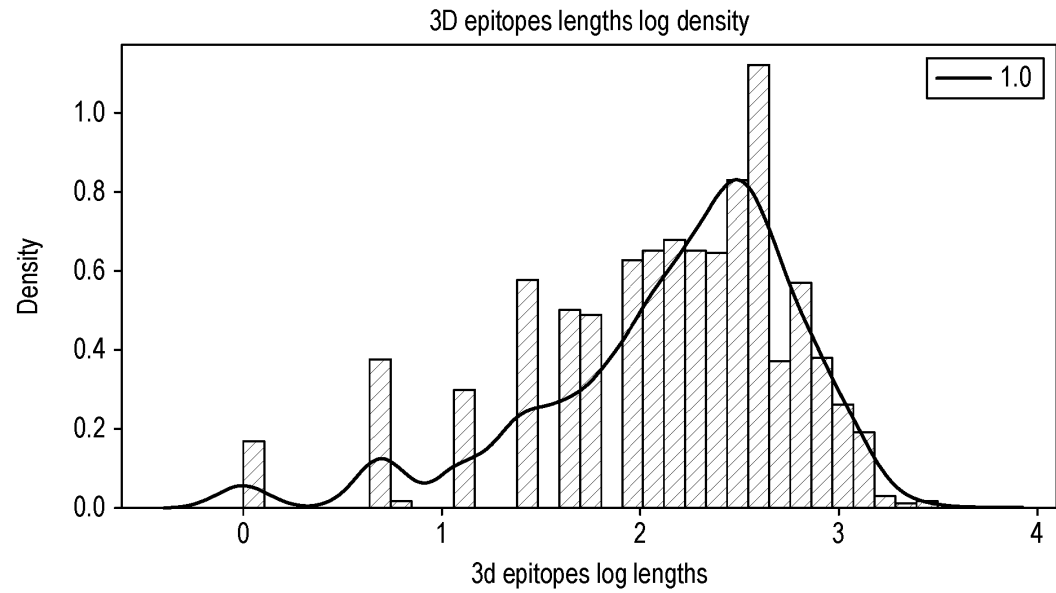


FIG. 20(c)

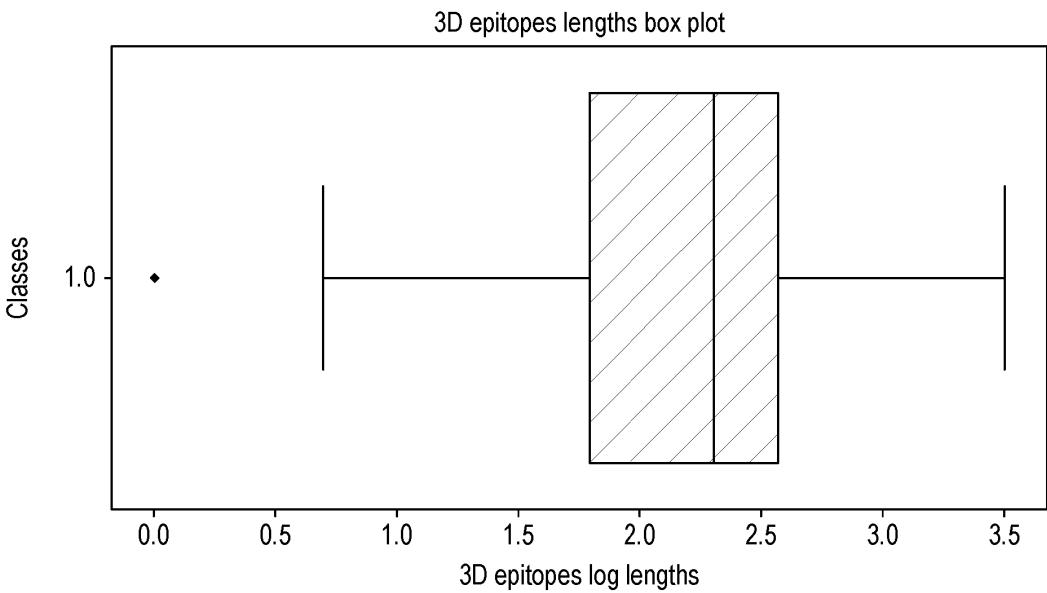


FIG. 20(d)

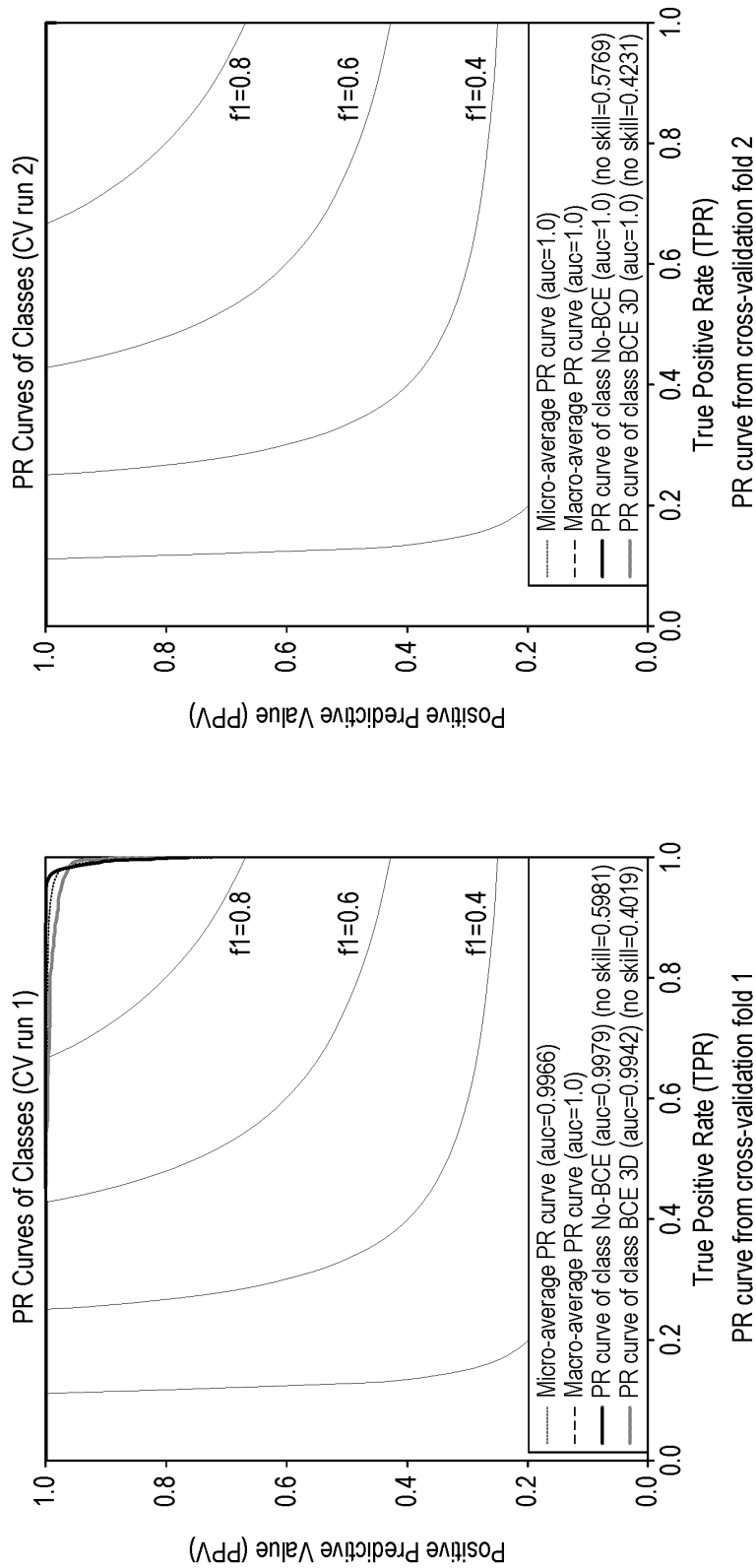
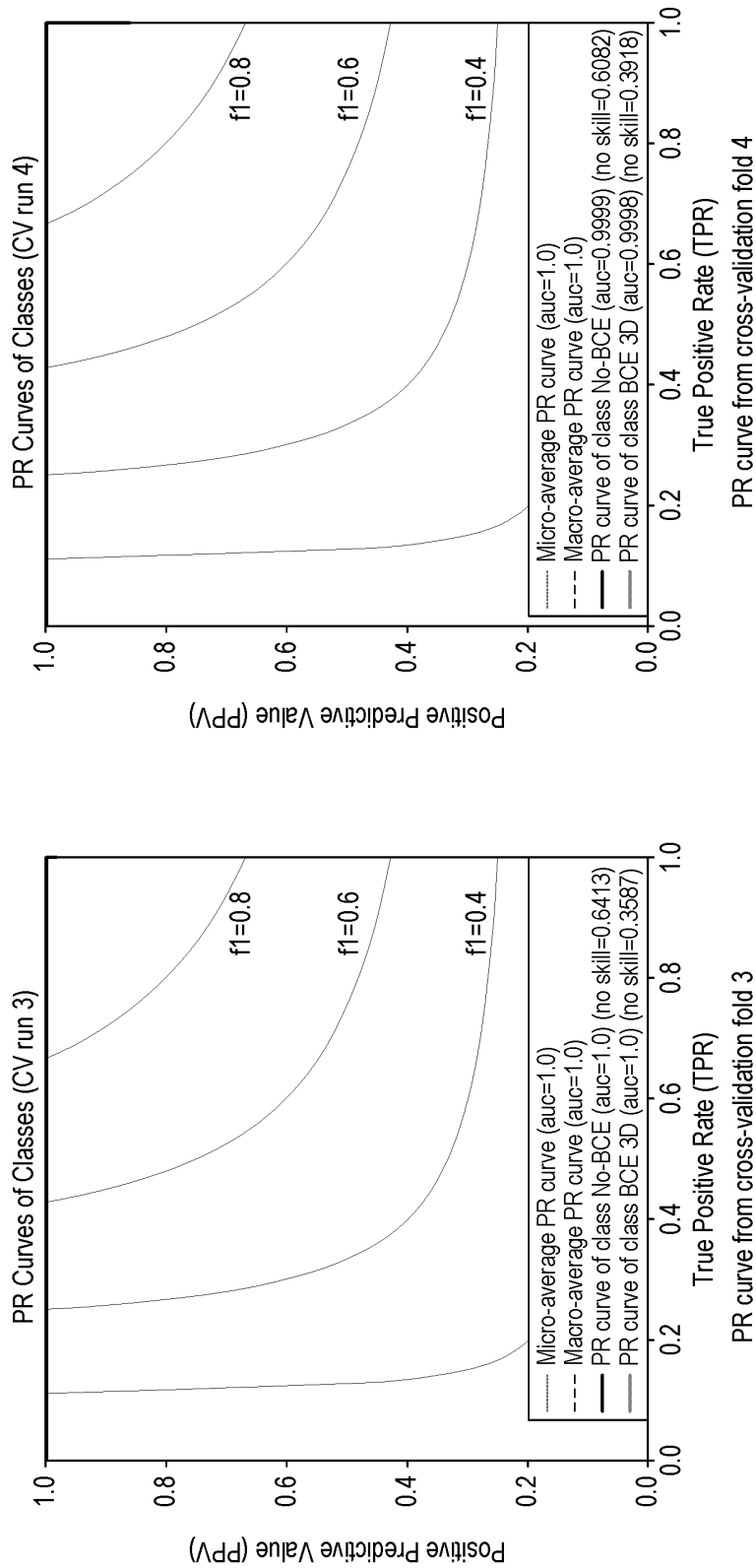


FIG. 21(a)

FIG. 21(b)



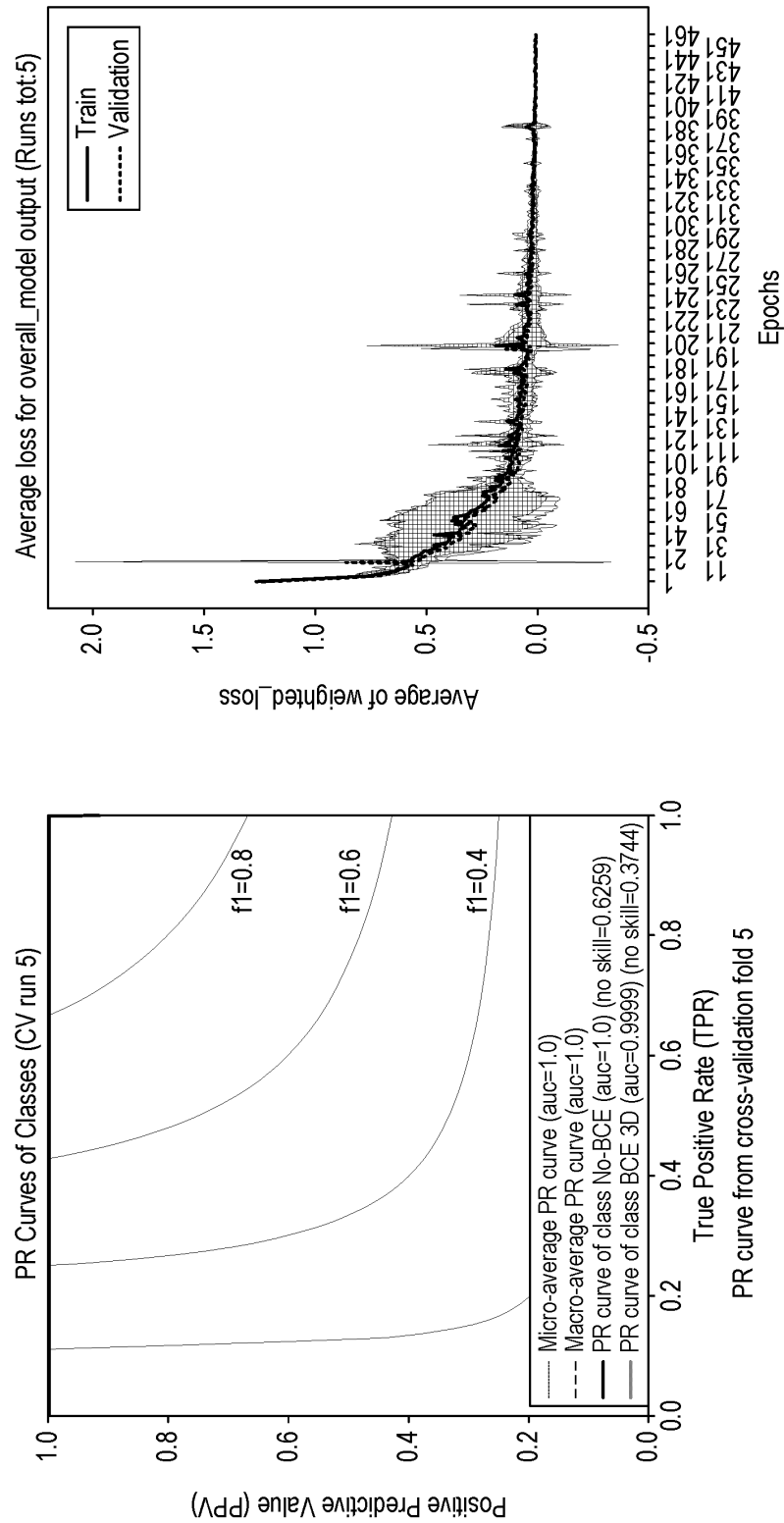


FIG. 21(e)

FIG. 21(f)

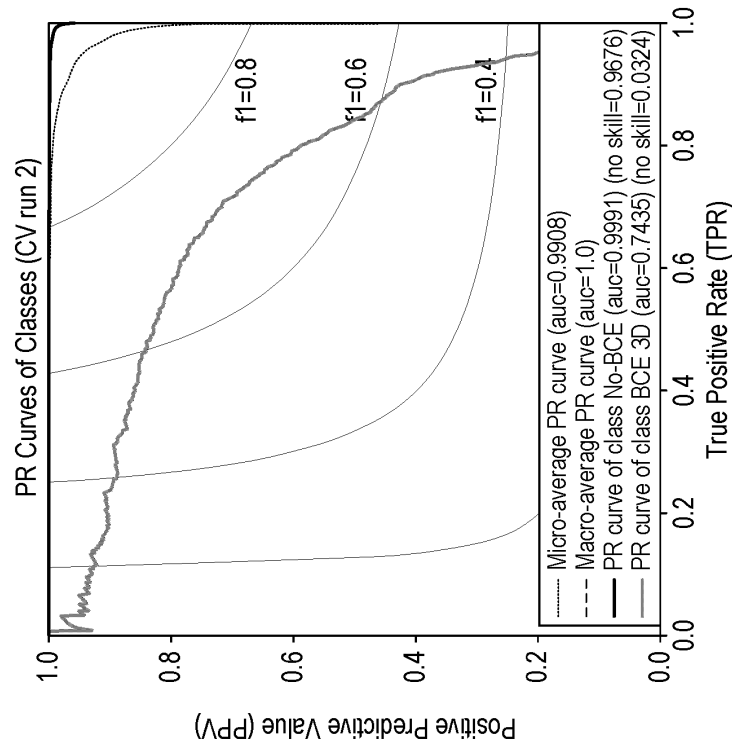


FIG. 22(b)

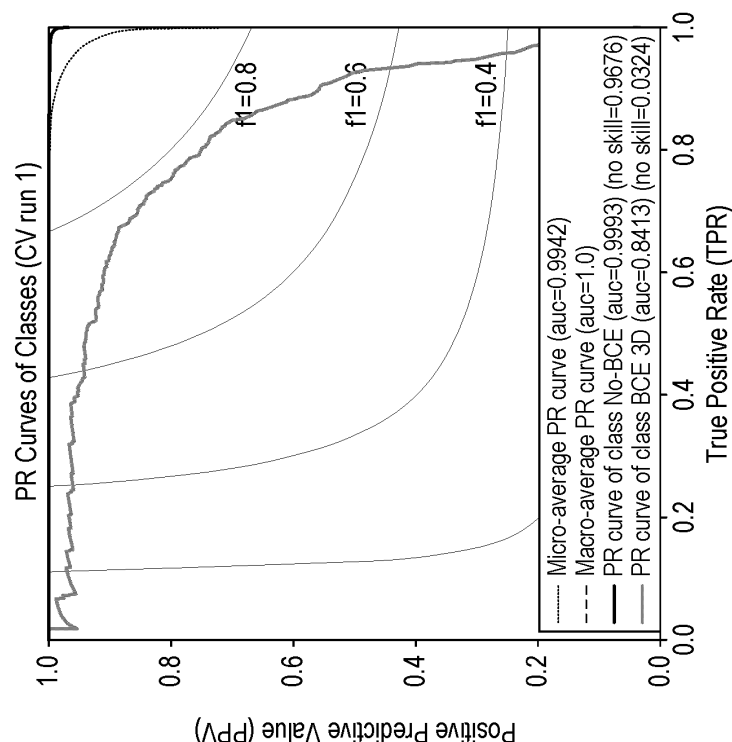


FIG. 22(a)

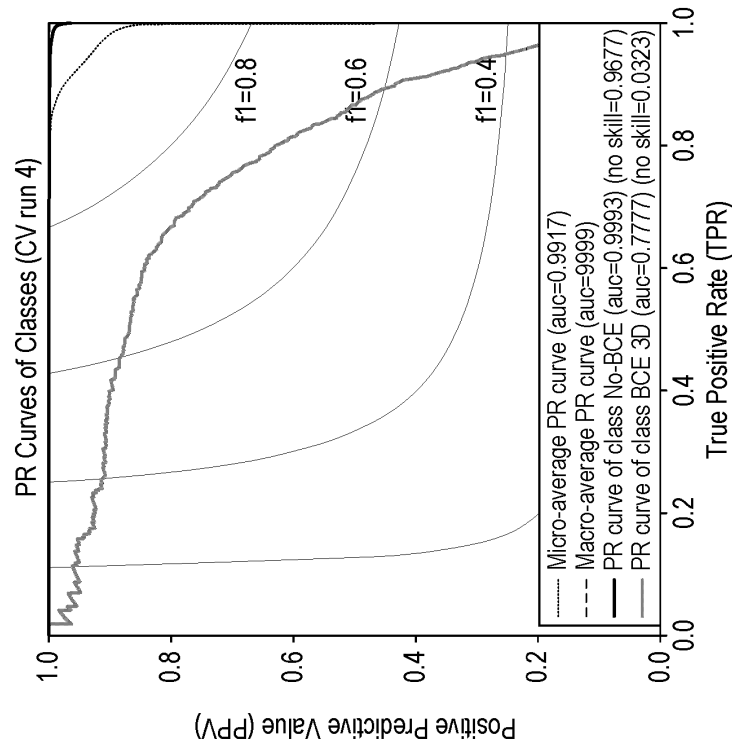


FIG. 22(d)

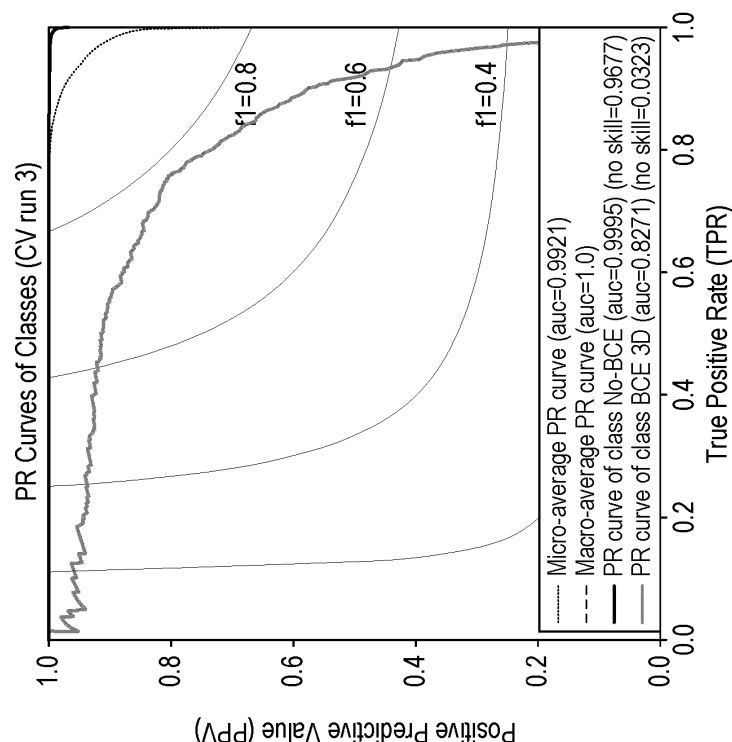


FIG. 22(c)

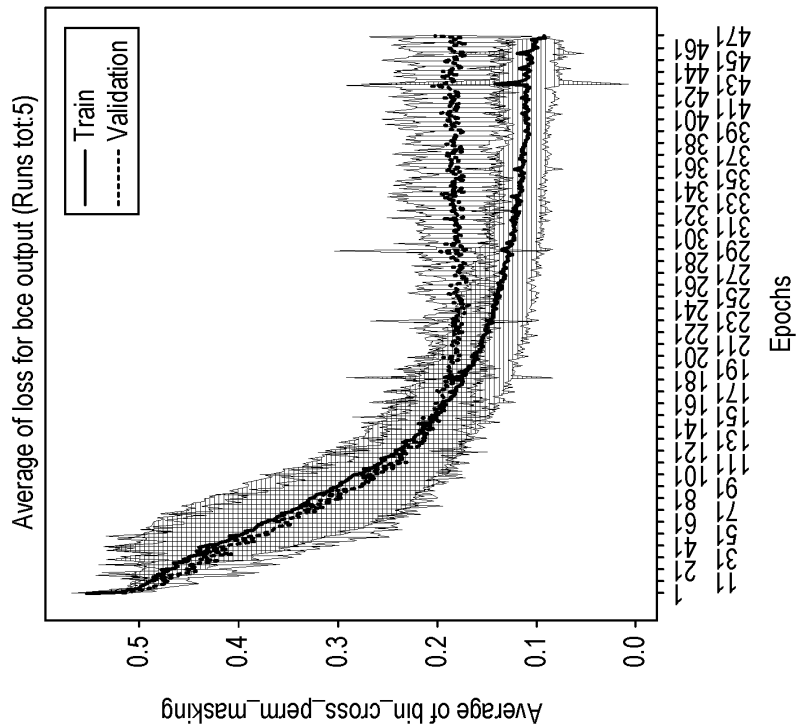


FIG. 22(f)

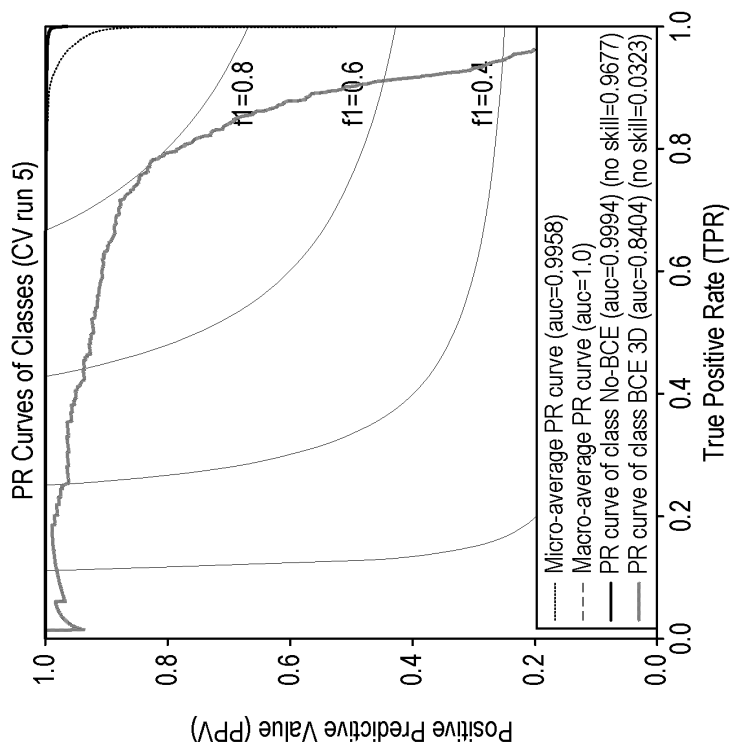
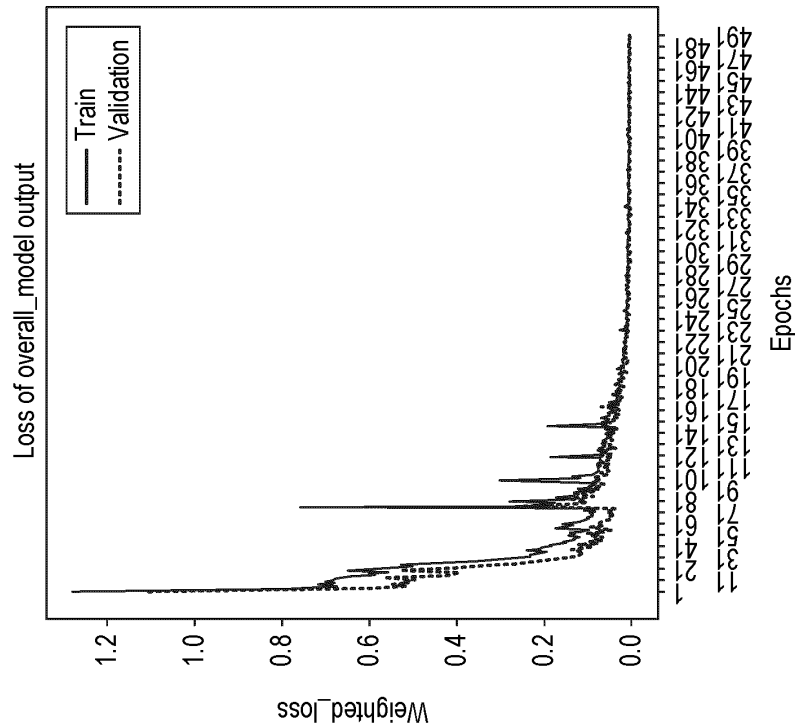
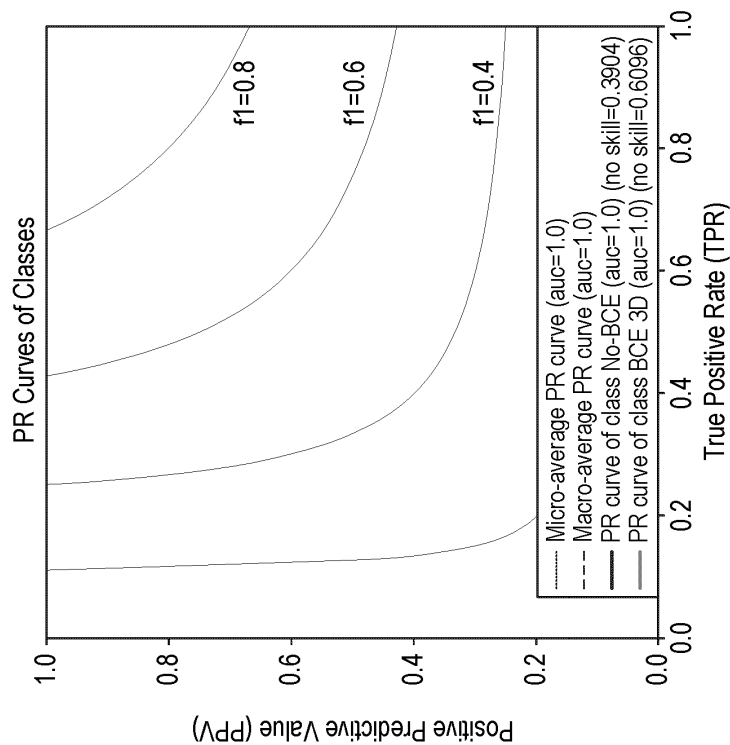


FIG. 22(e)



Overall model loss for test set

FIG. 23(b)



PR curve from test set

FIG. 23(a)

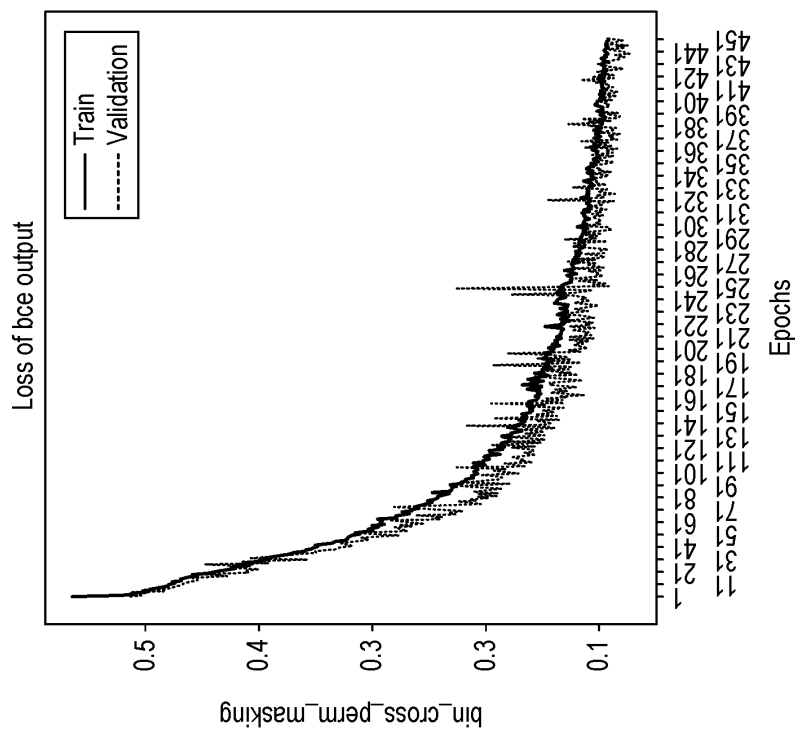


FIG. 24(b)

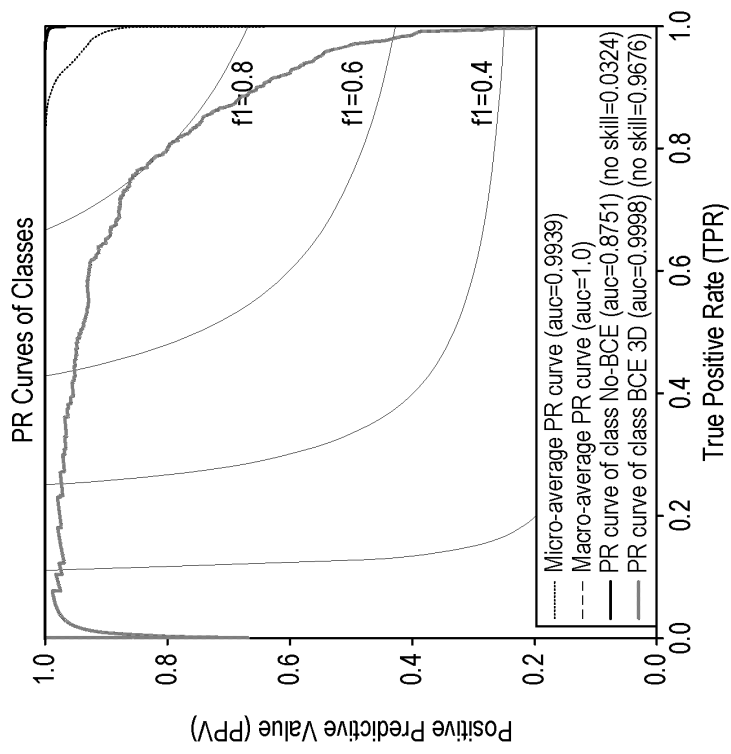
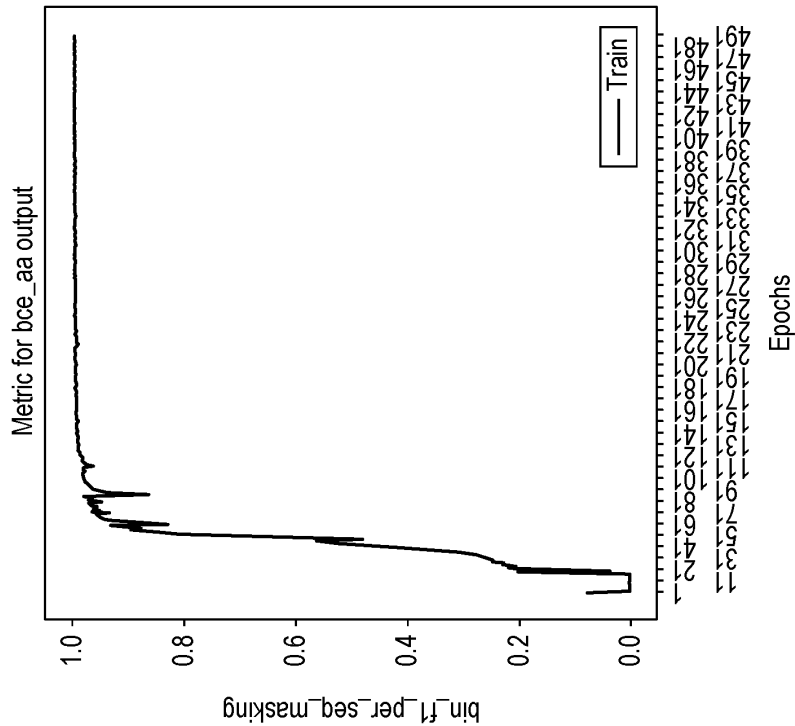
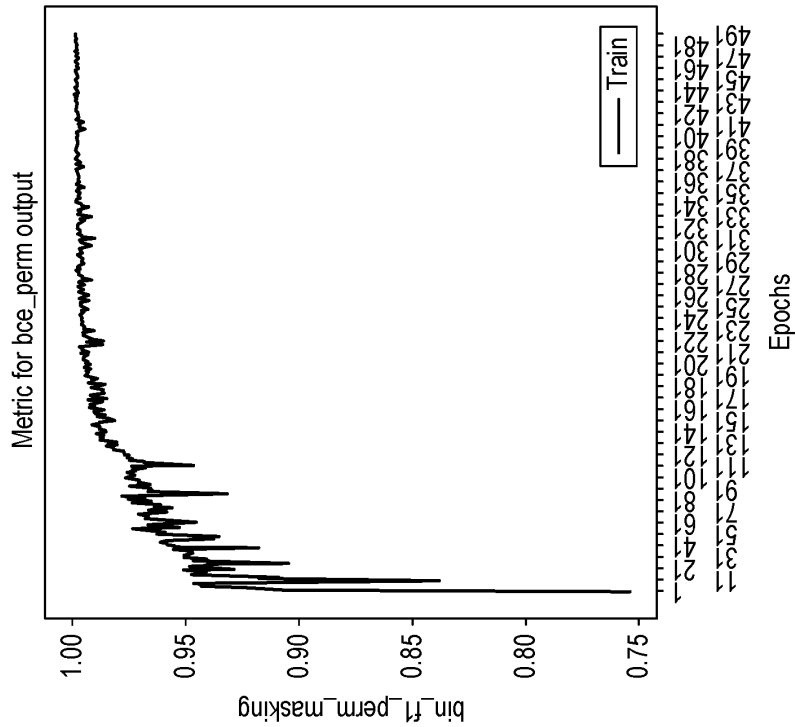


FIG. 24(a)



F1 curve for bce_aa for final estimates

FIG. 25(b)



F1 curve for bce_perm for final estimates

FIG. 25(a)

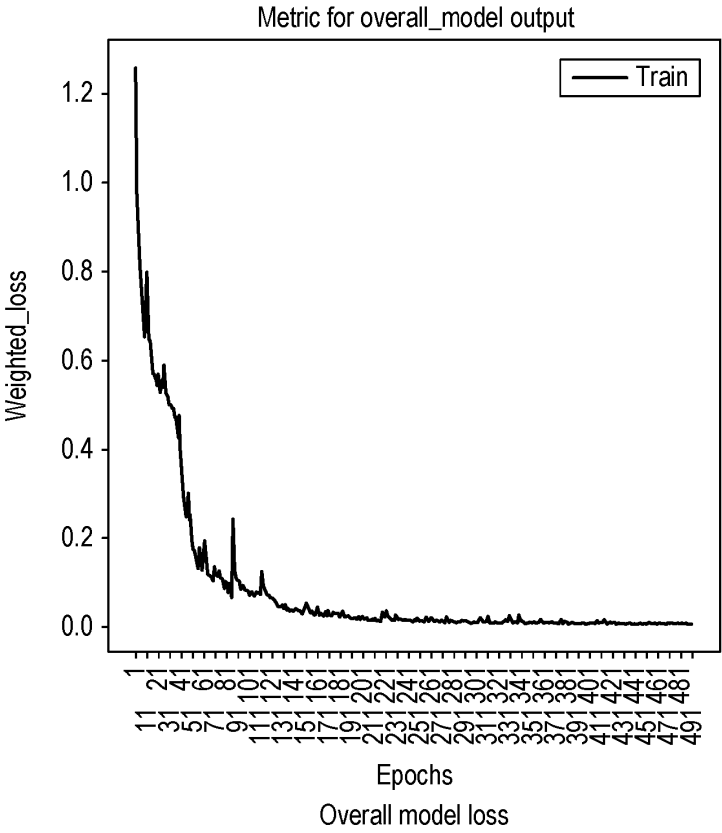


FIG. 25(c)

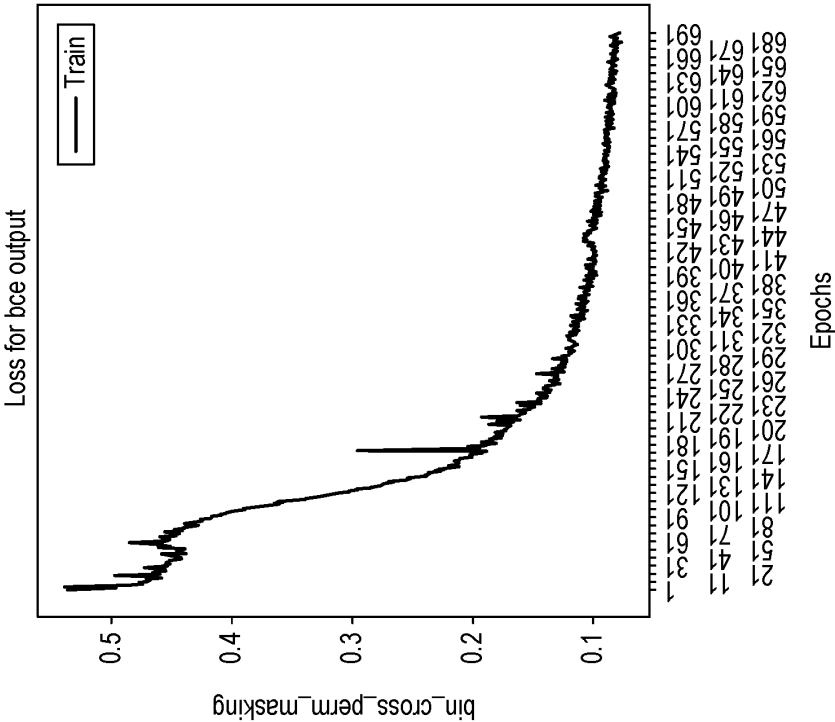


FIG. 26(b)

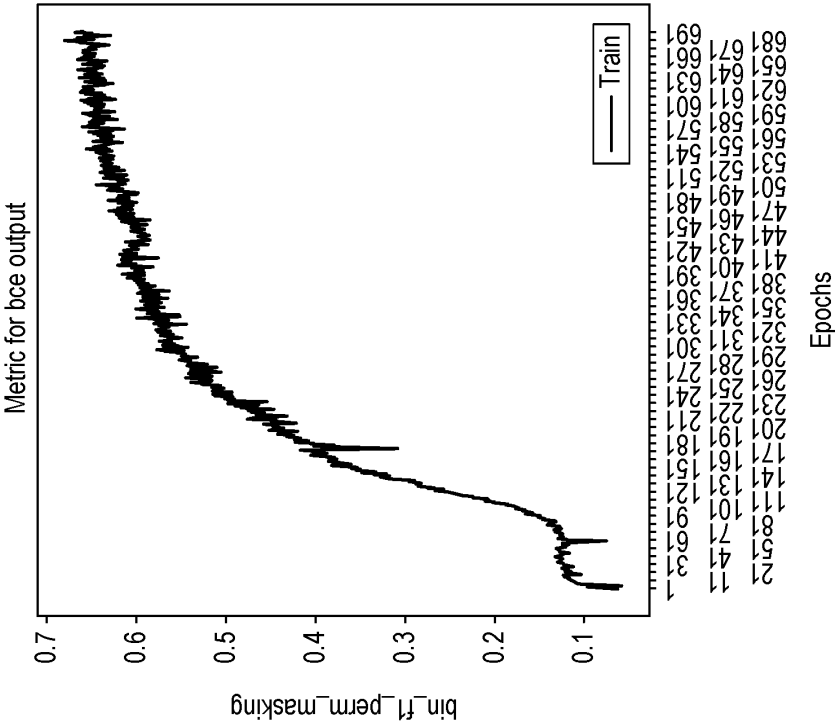


FIG. 26(a)

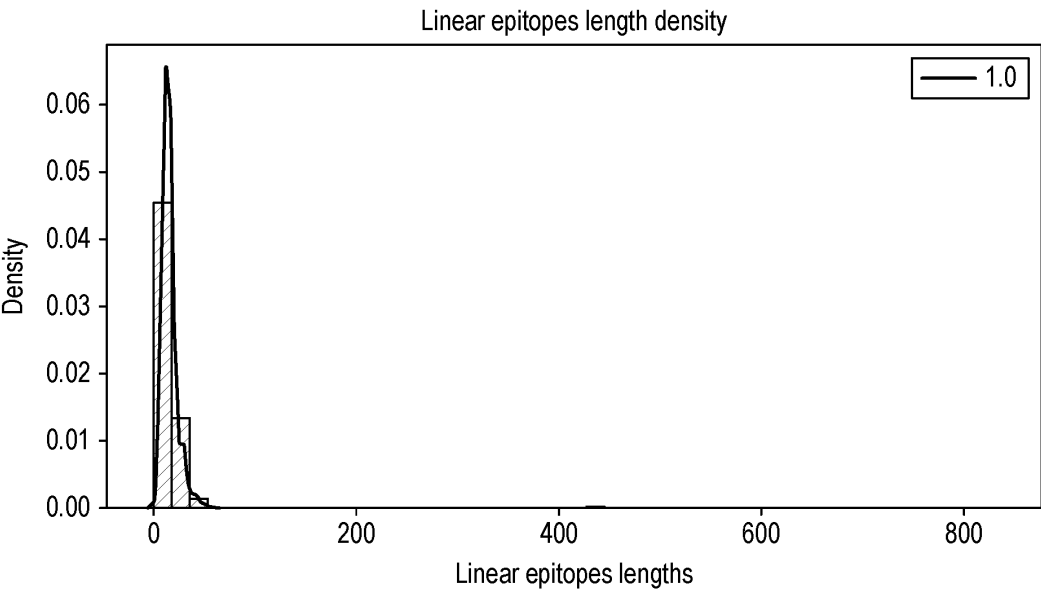


FIG. 27(a)

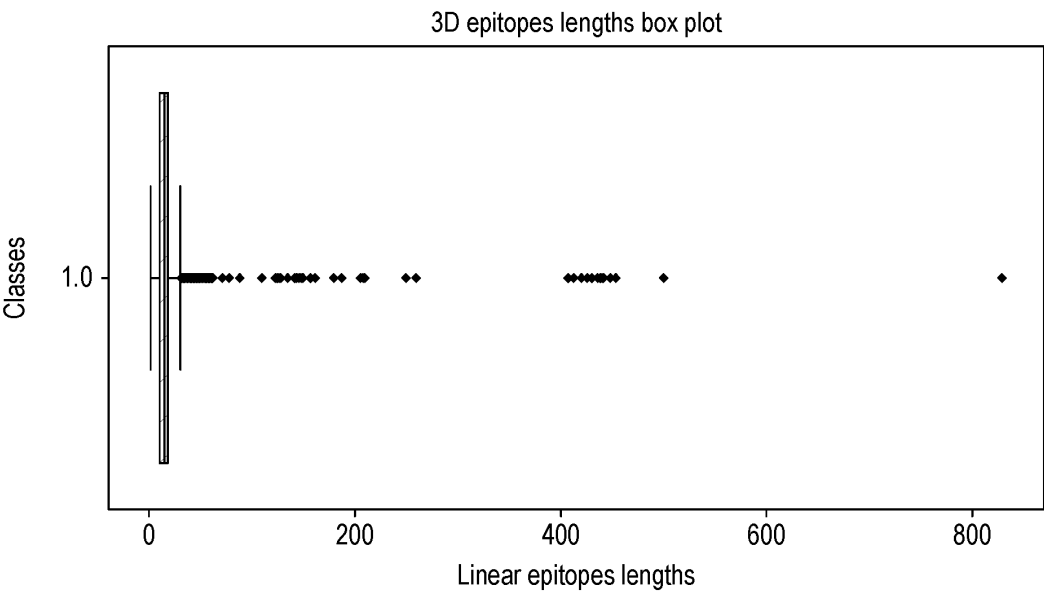


FIG. 27(b)

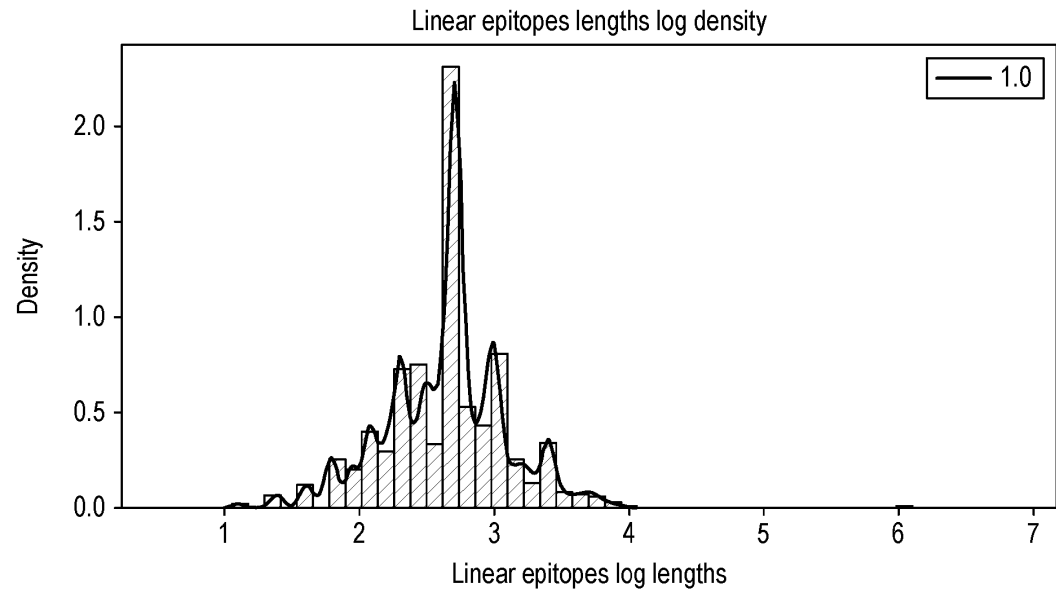


FIG. 27(c)

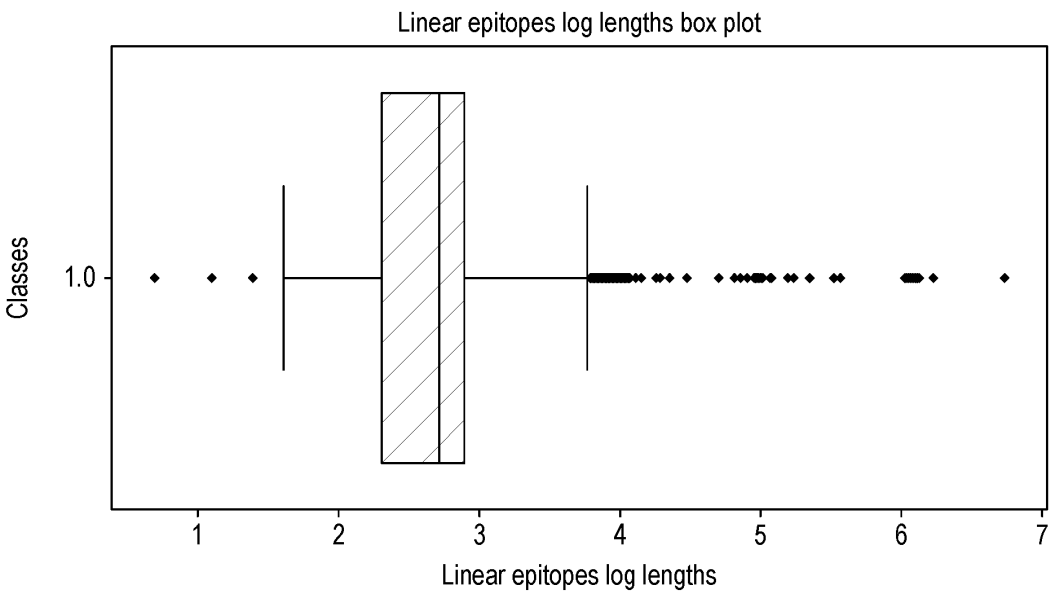
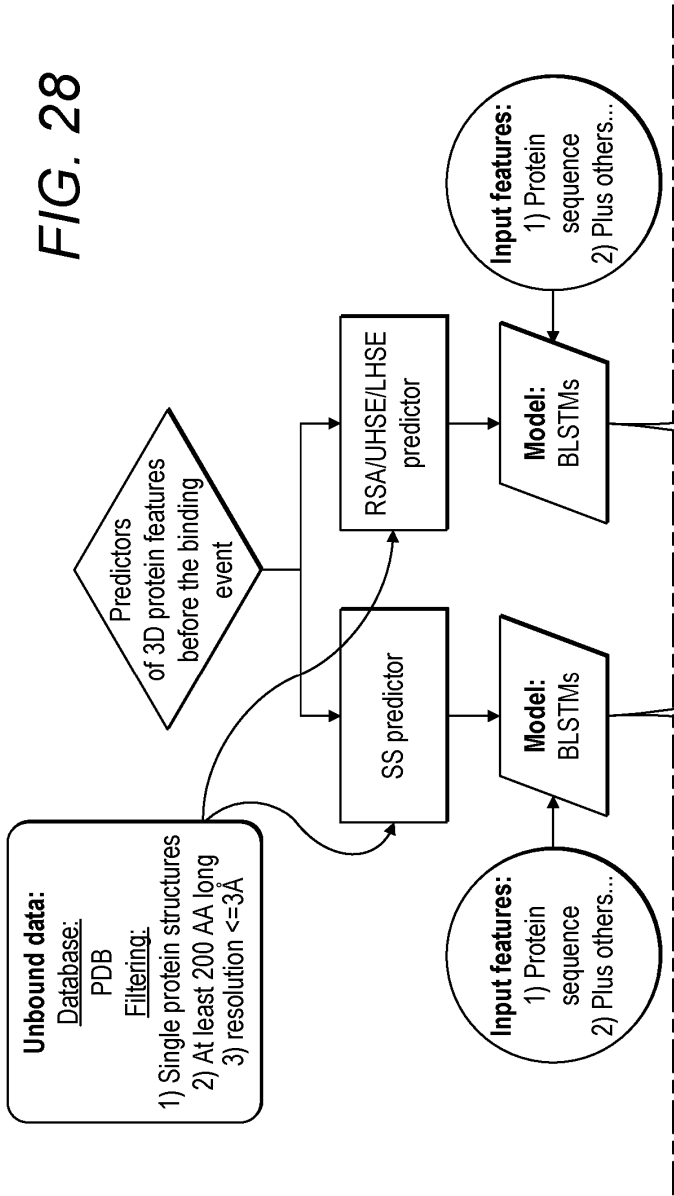
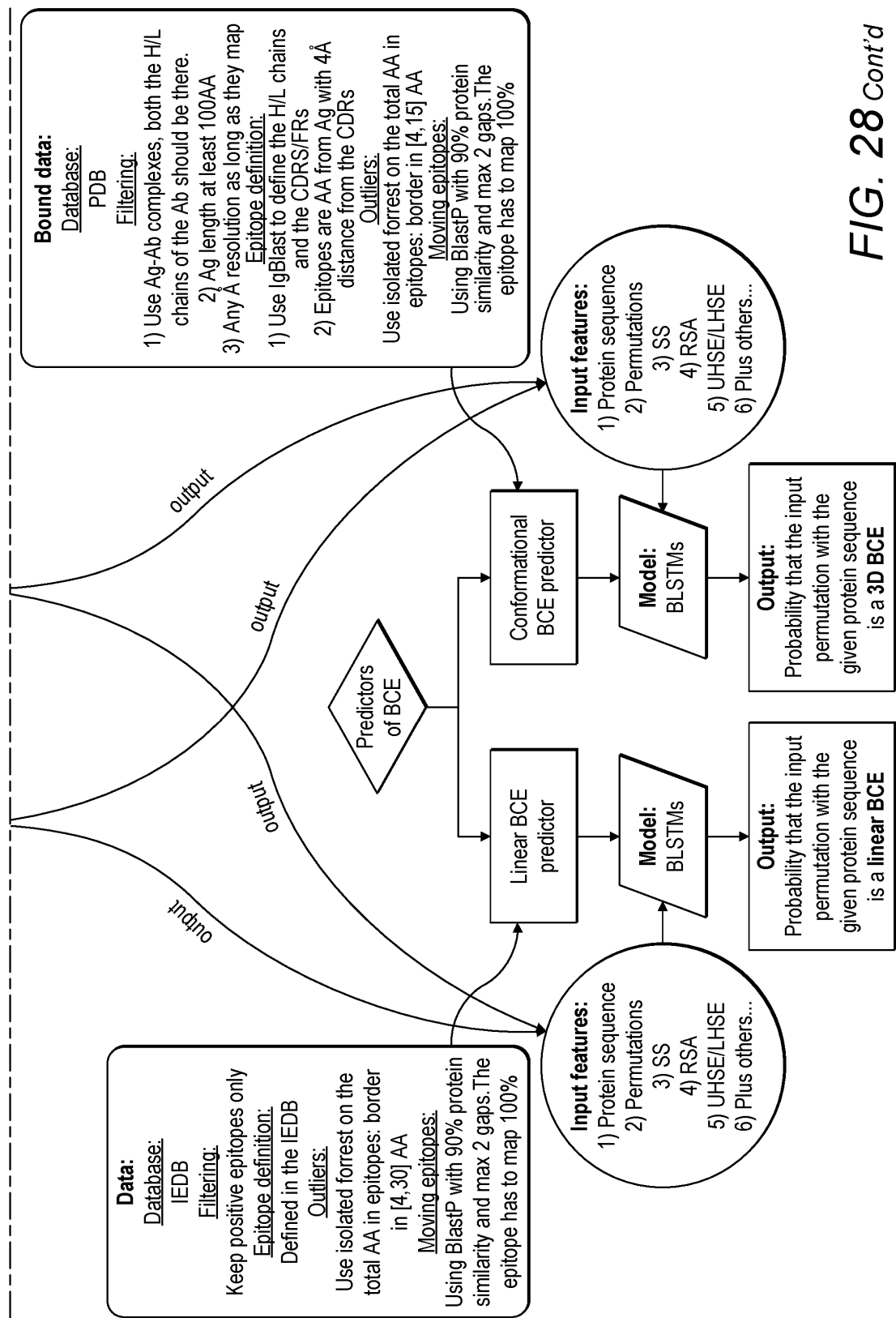


FIG. 27(d)

FIG. 28





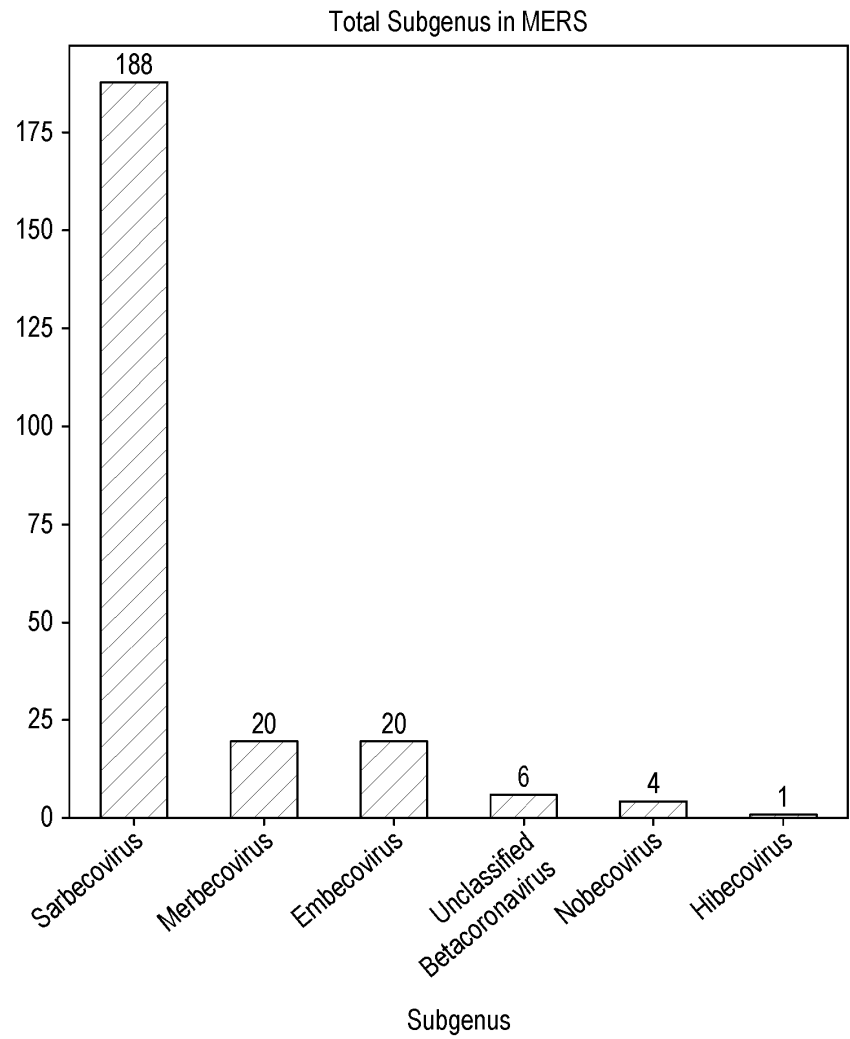


FIG. 29(a)

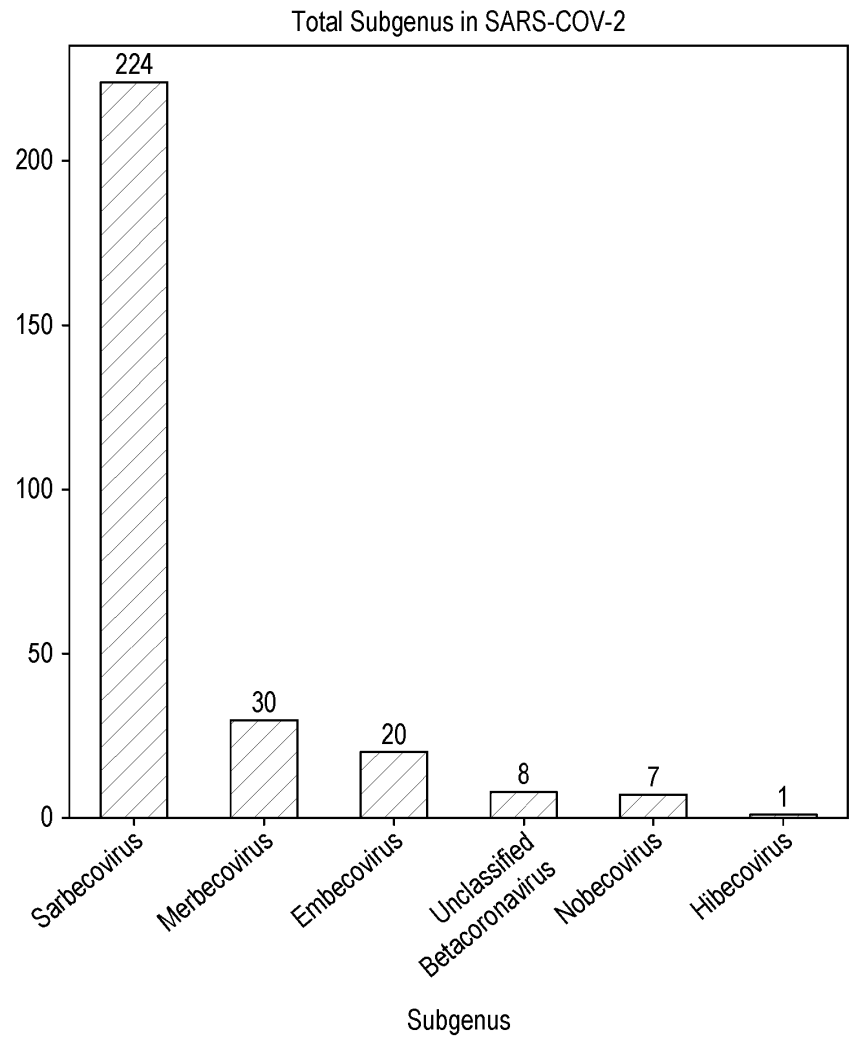


FIG. 29(b)

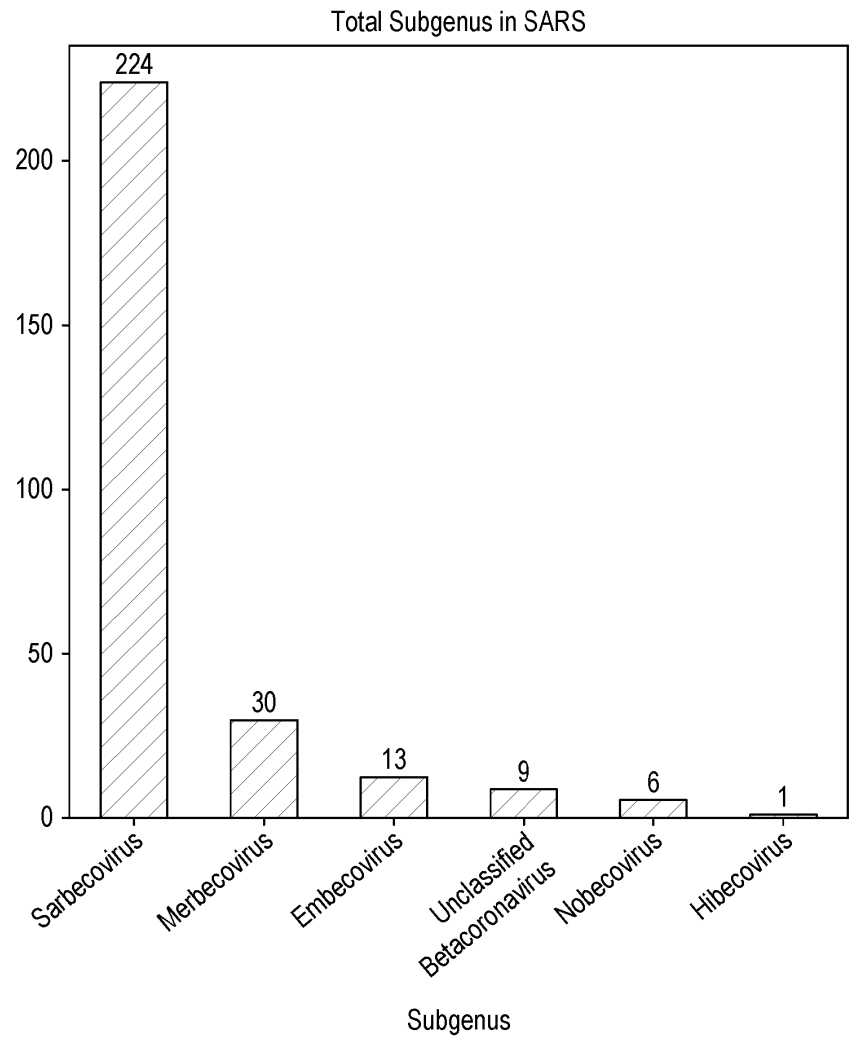
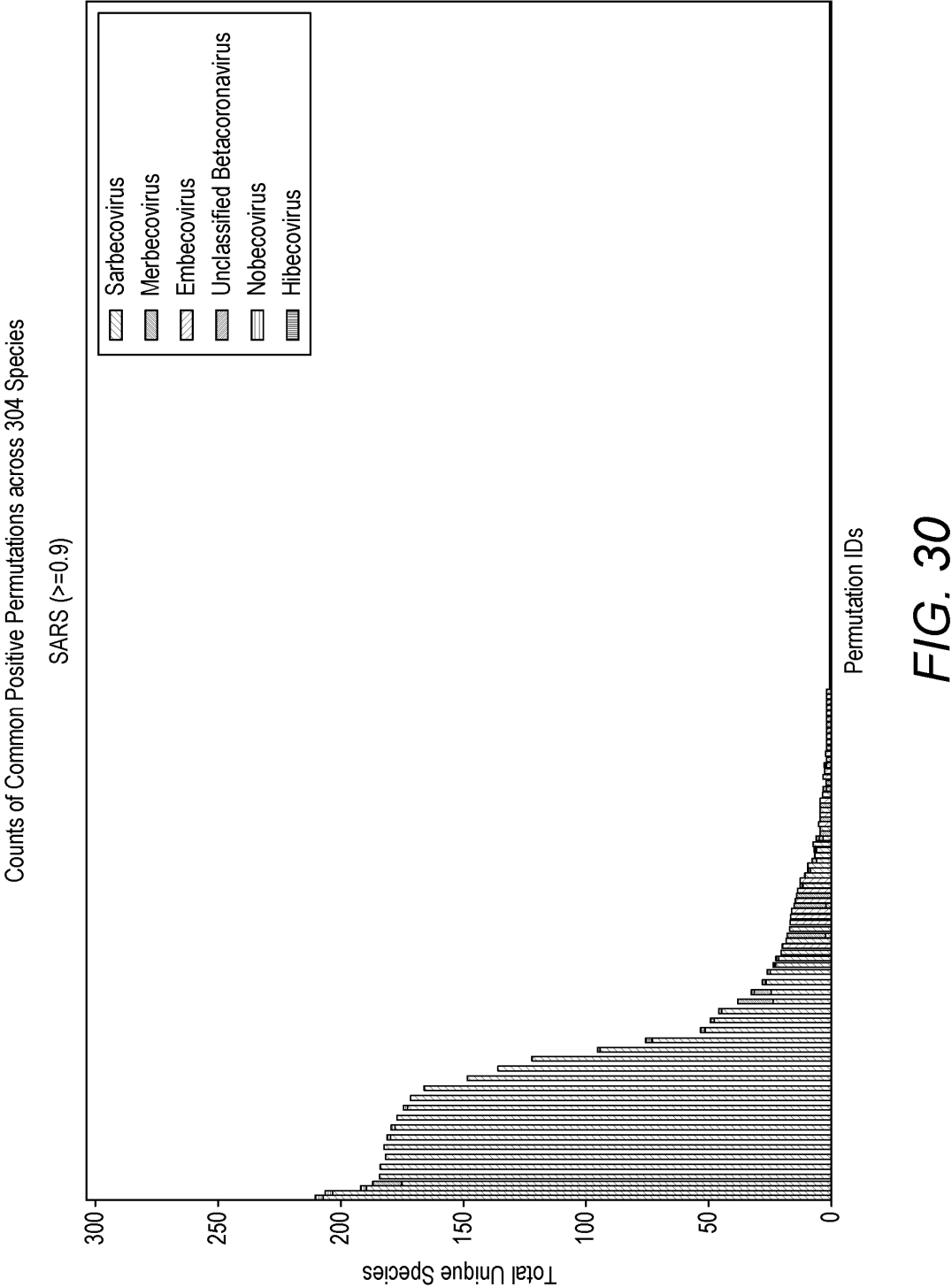


FIG. 29(c)



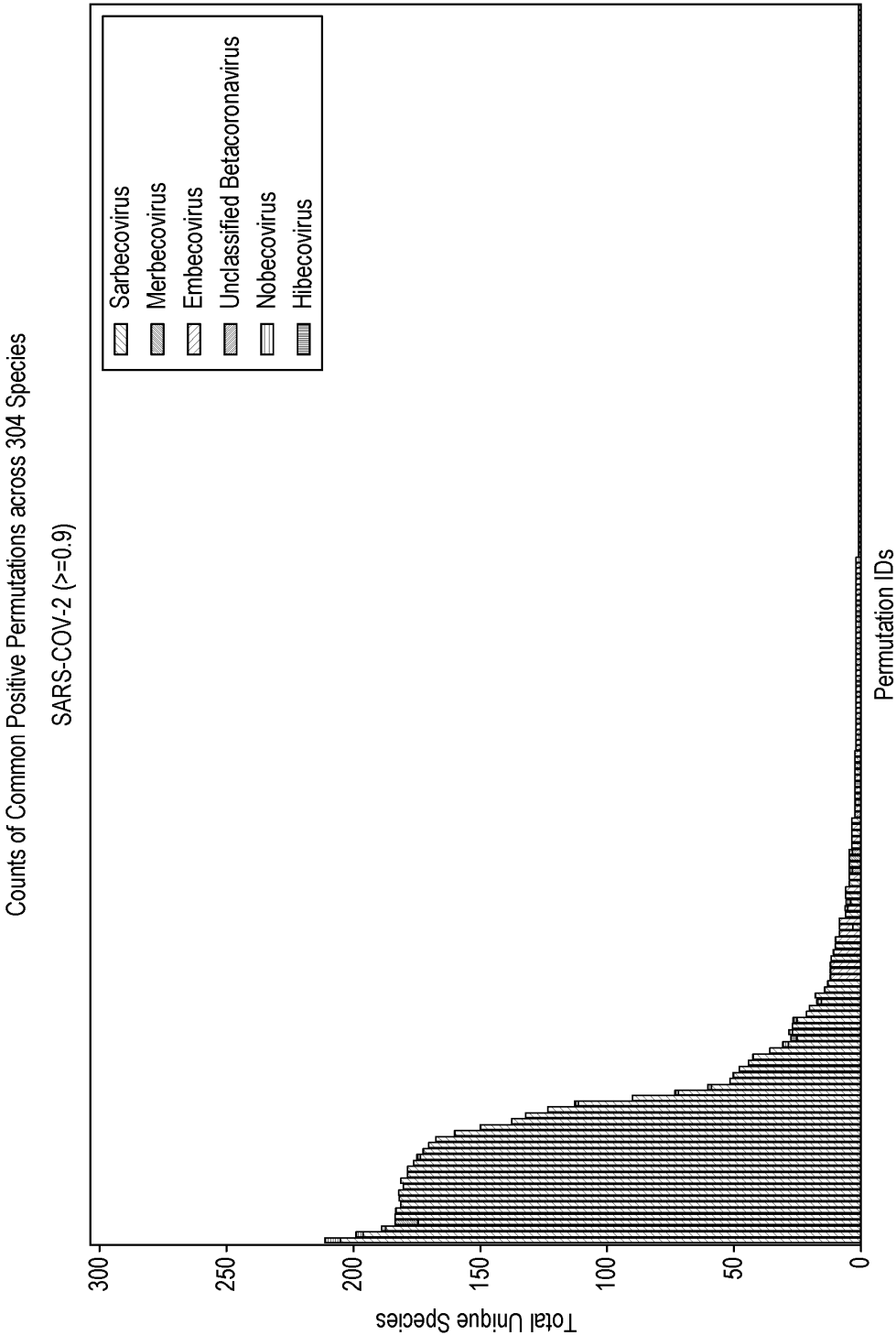


FIG. 30 Cont'd

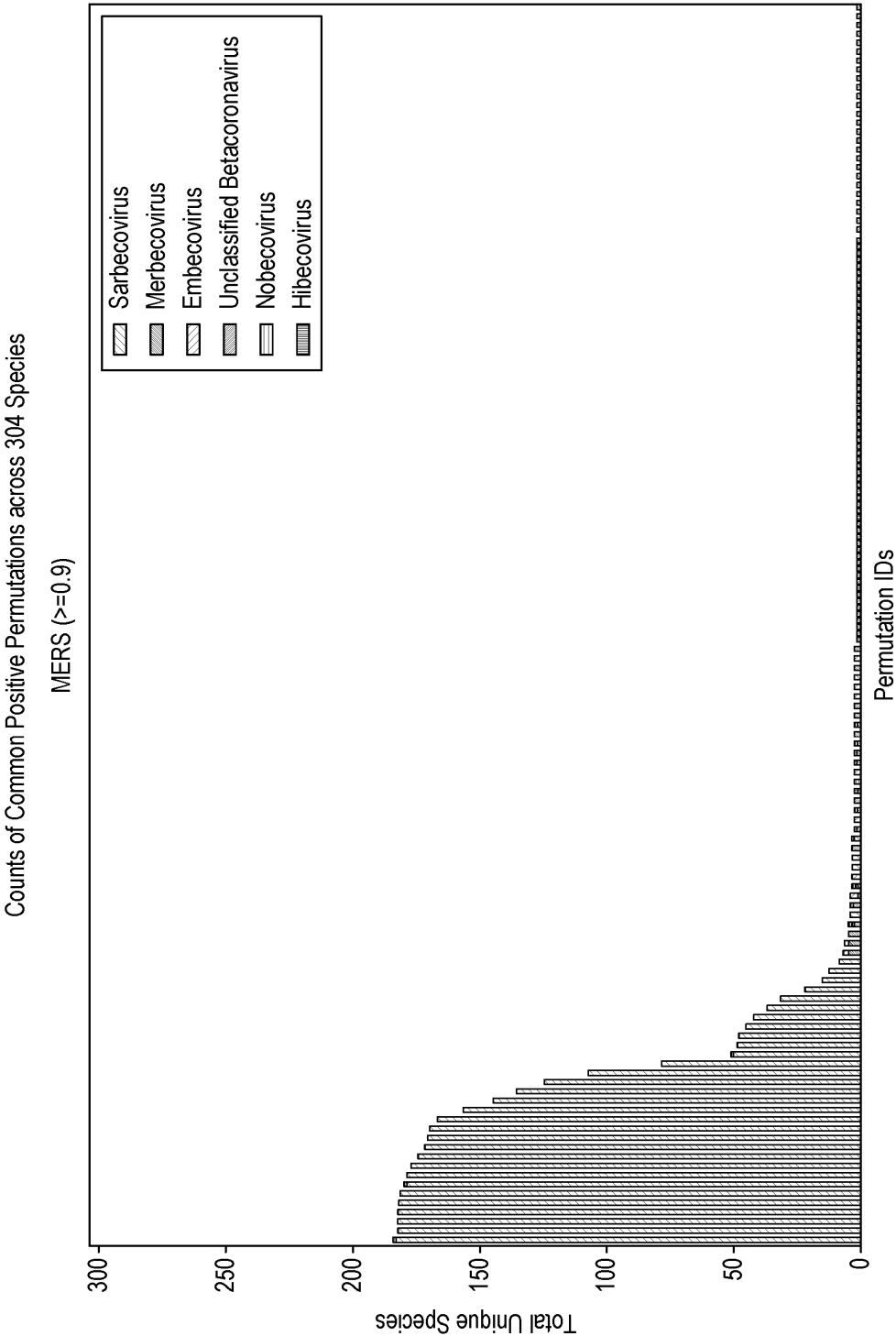


FIG. 30 Cont'd

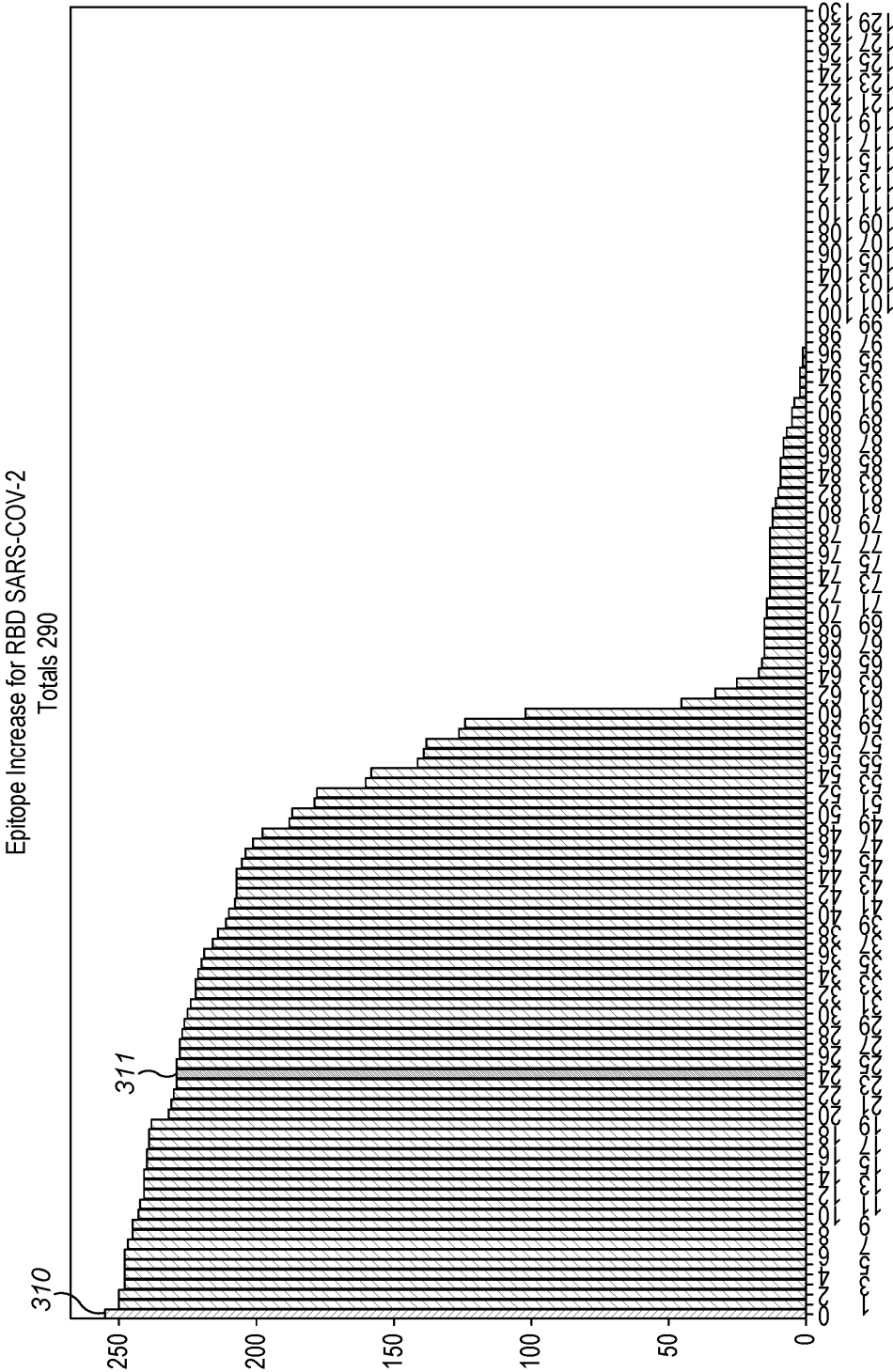
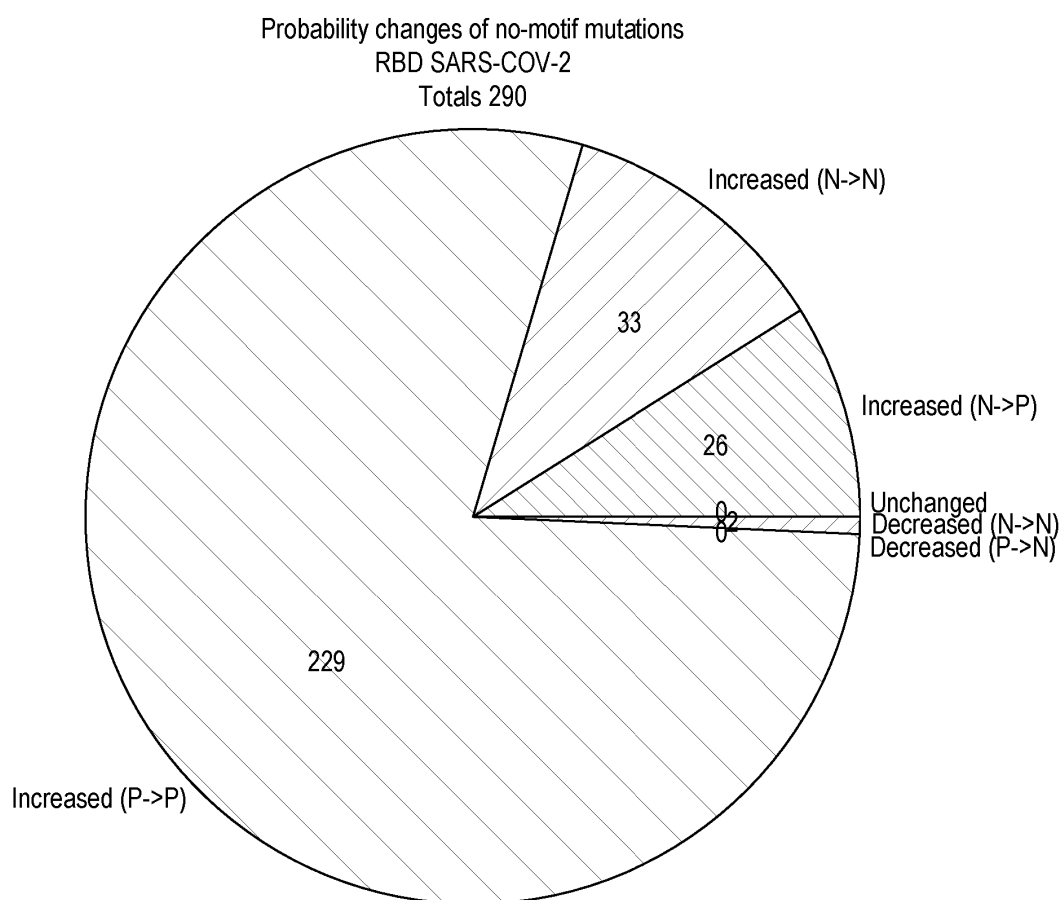


FIG. 31(a)

**FIG. 31(b)**