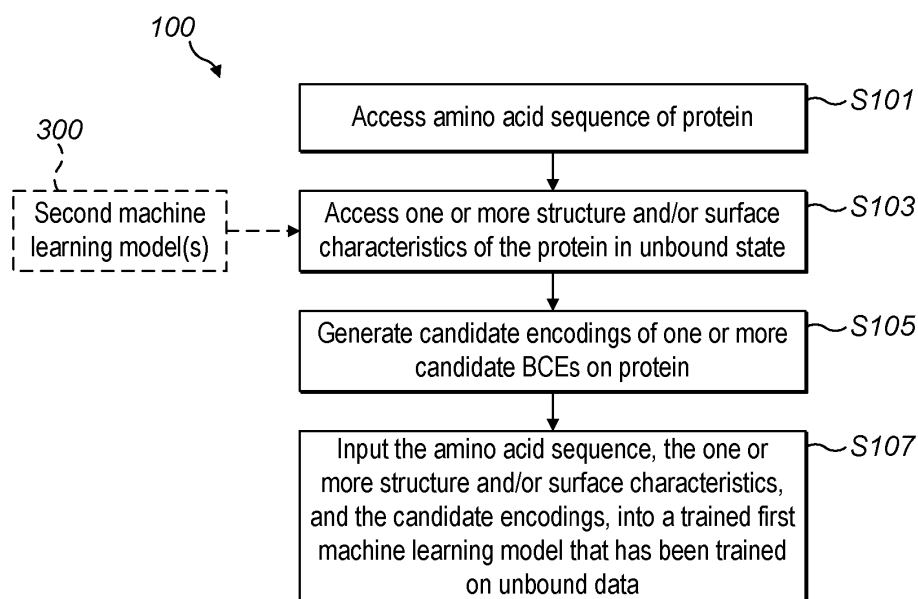
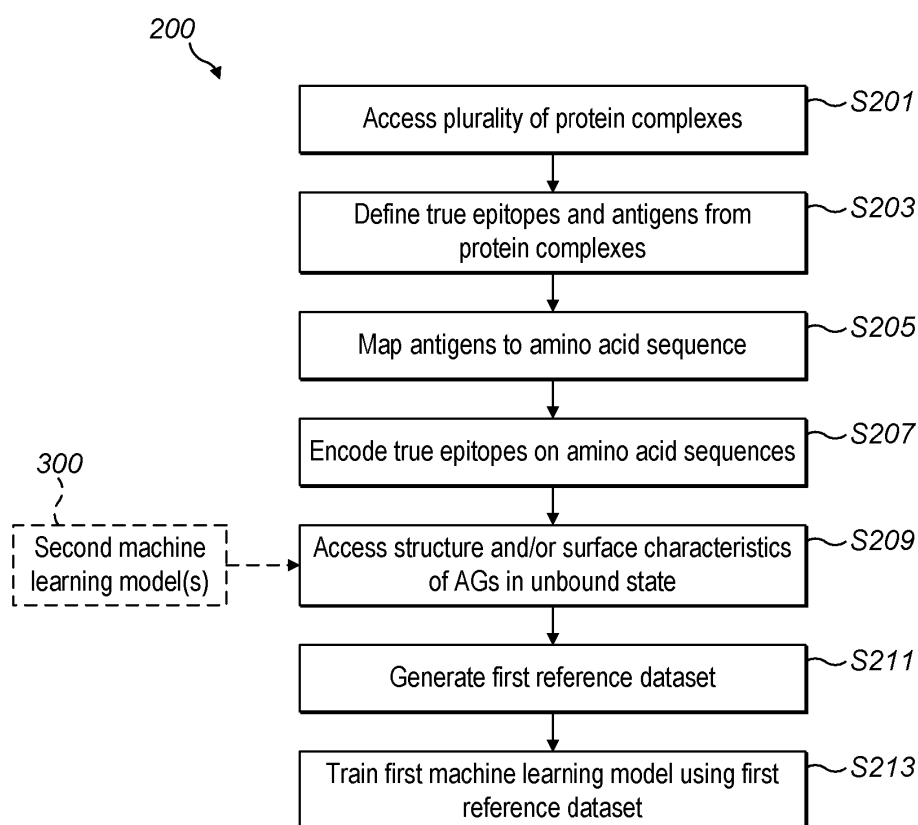
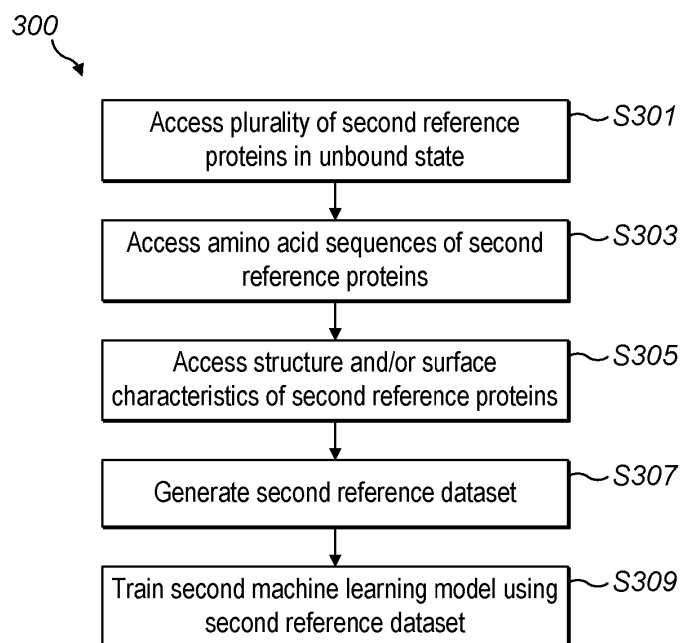
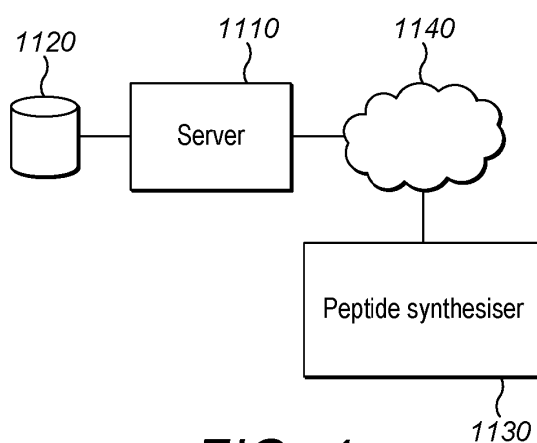
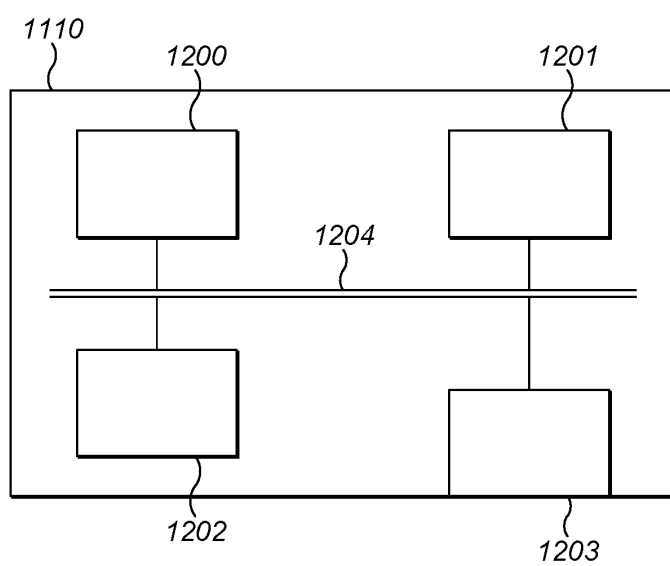


**FIG. 1****FIG. 2**

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

**FIG. 5**

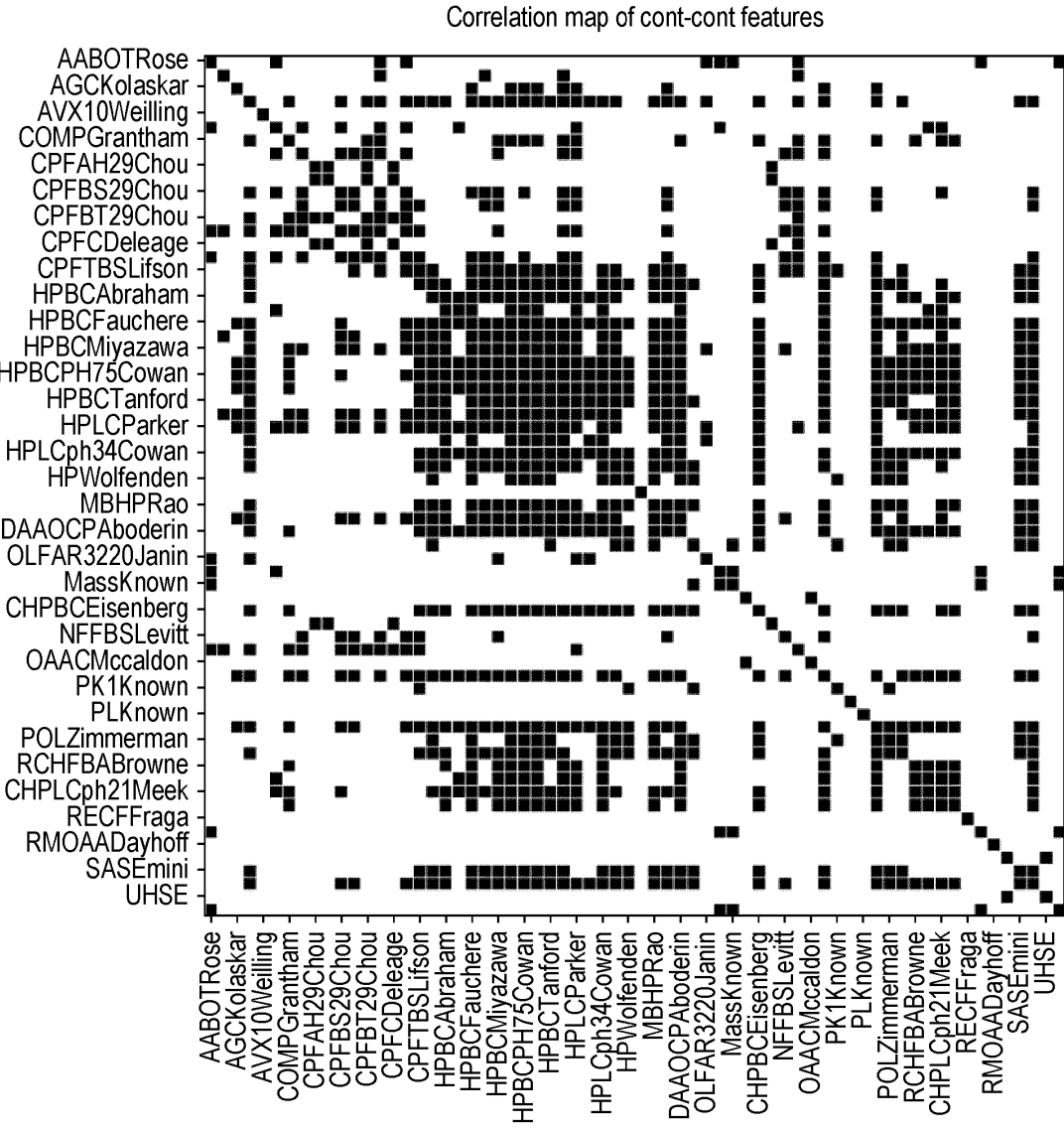
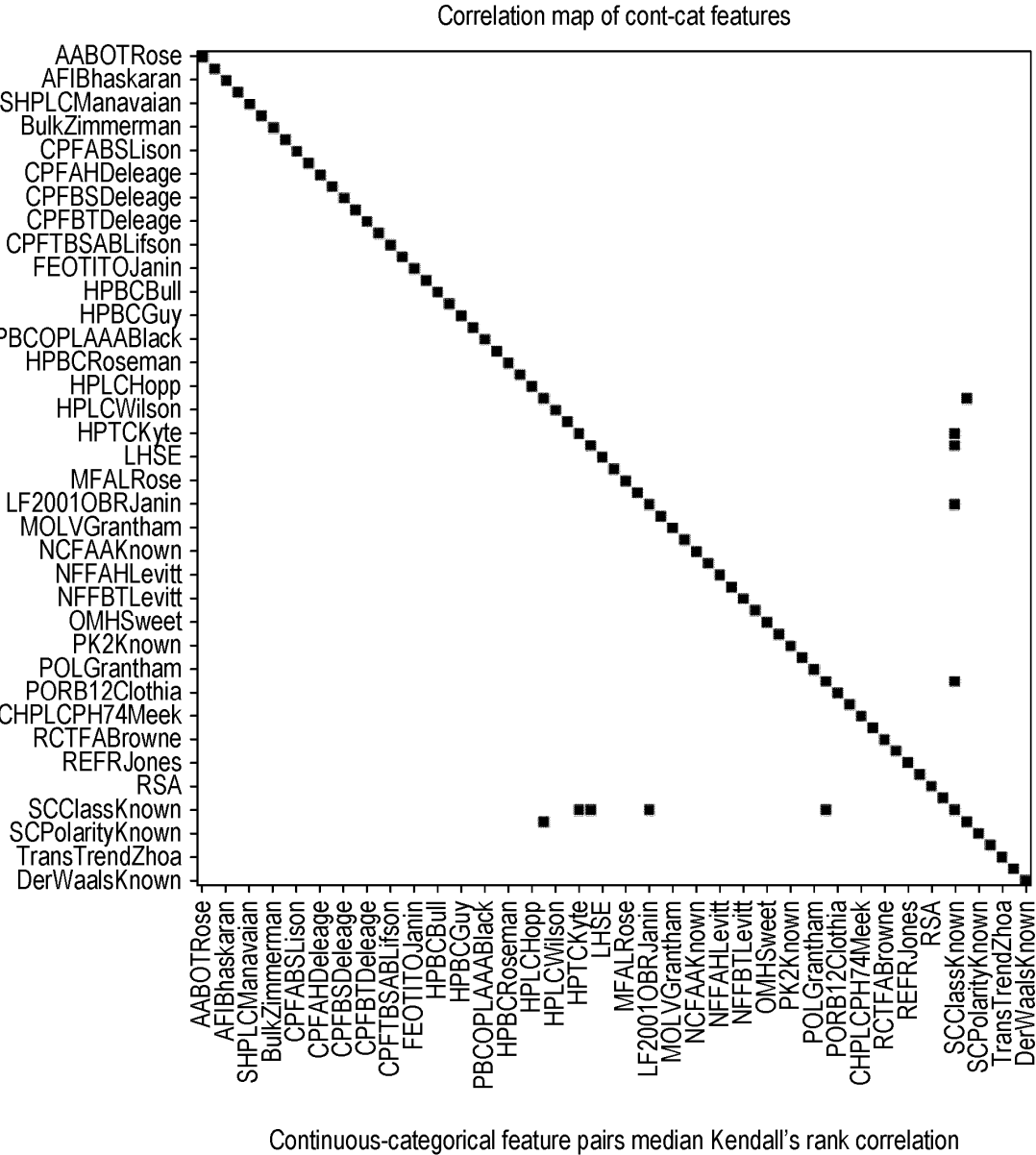


FIG. 6(a)



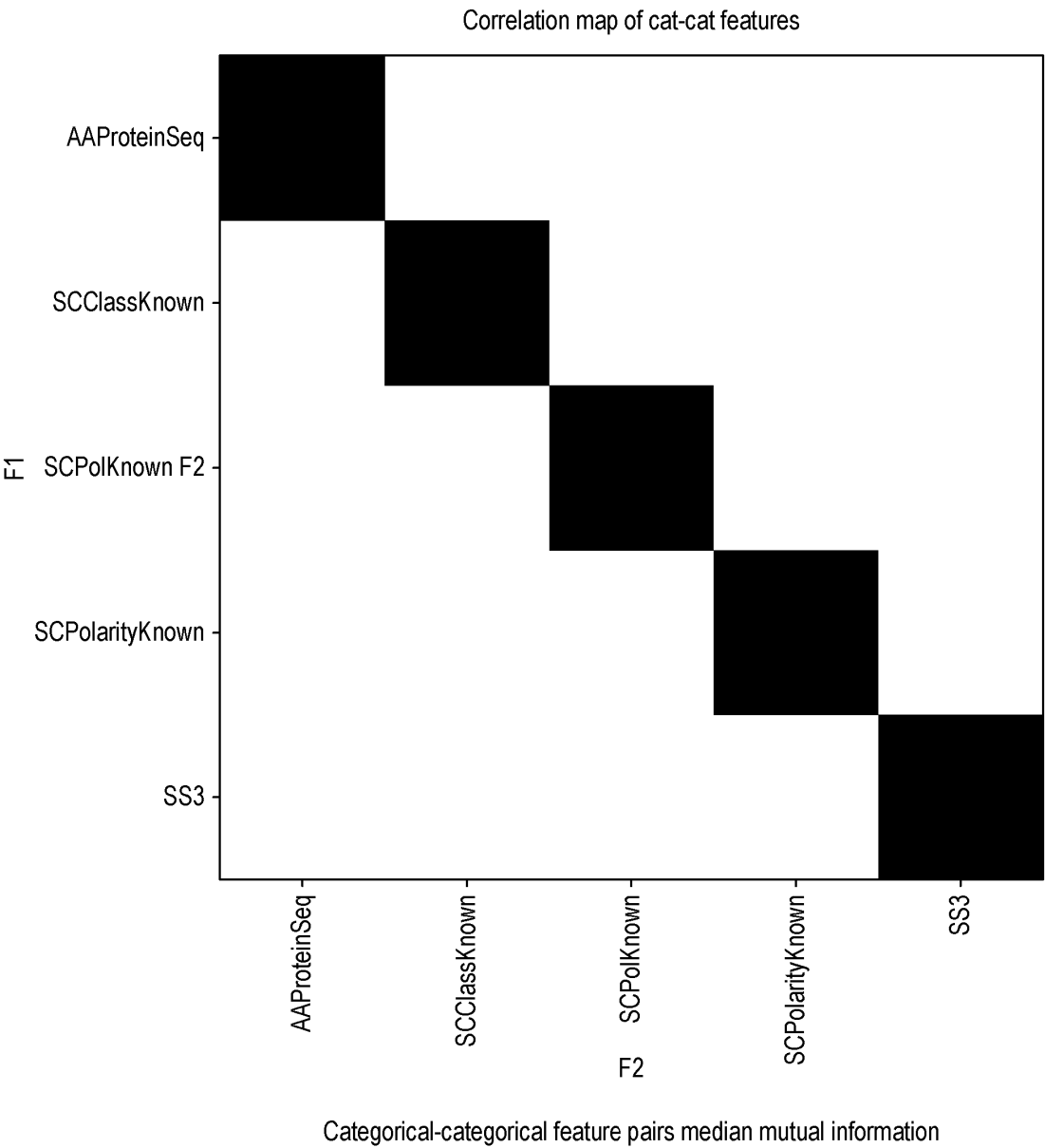


FIG. 6(c)

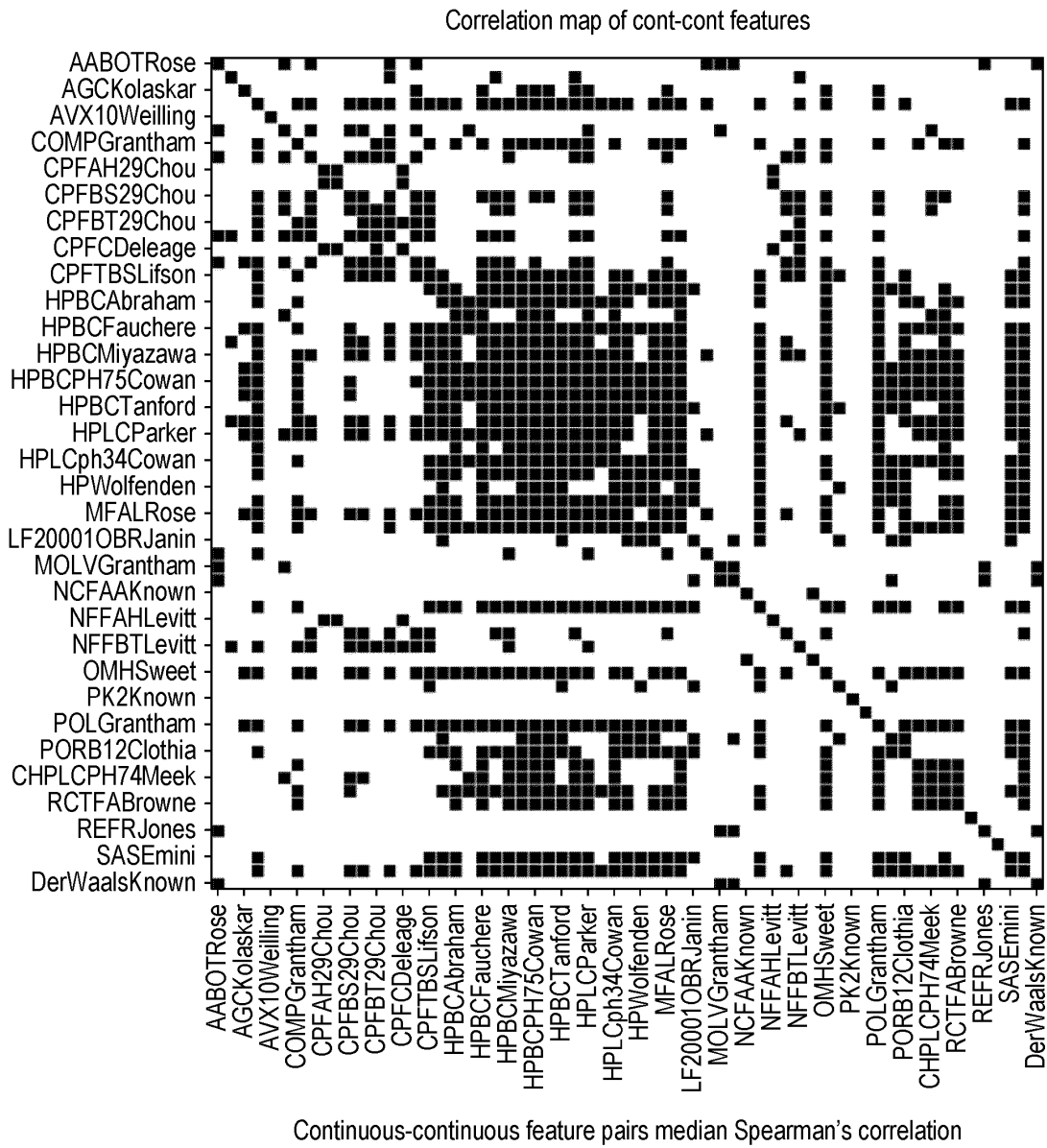


FIG. 6(d)



FIG. 6(e)

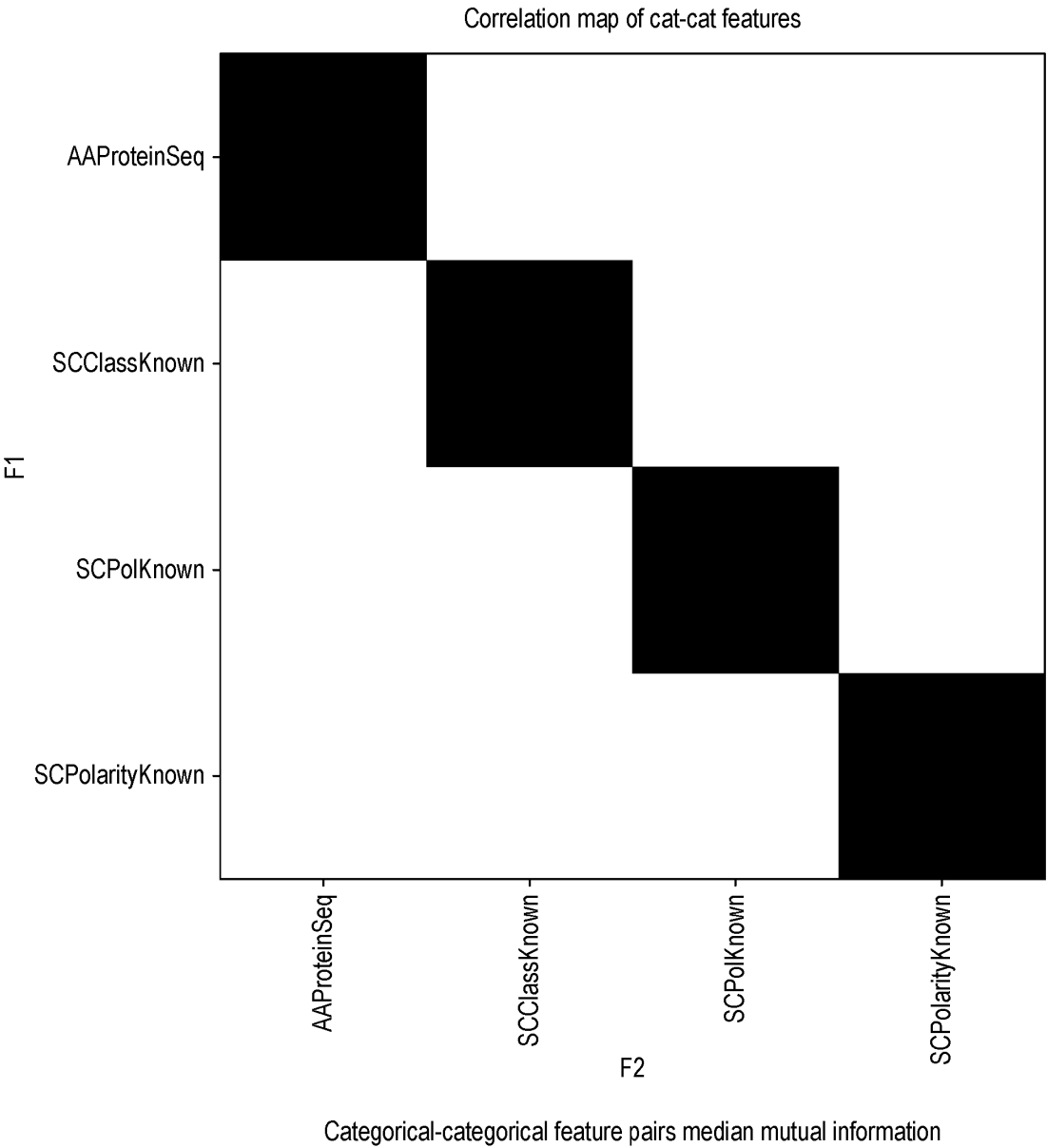


FIG. 6(f)

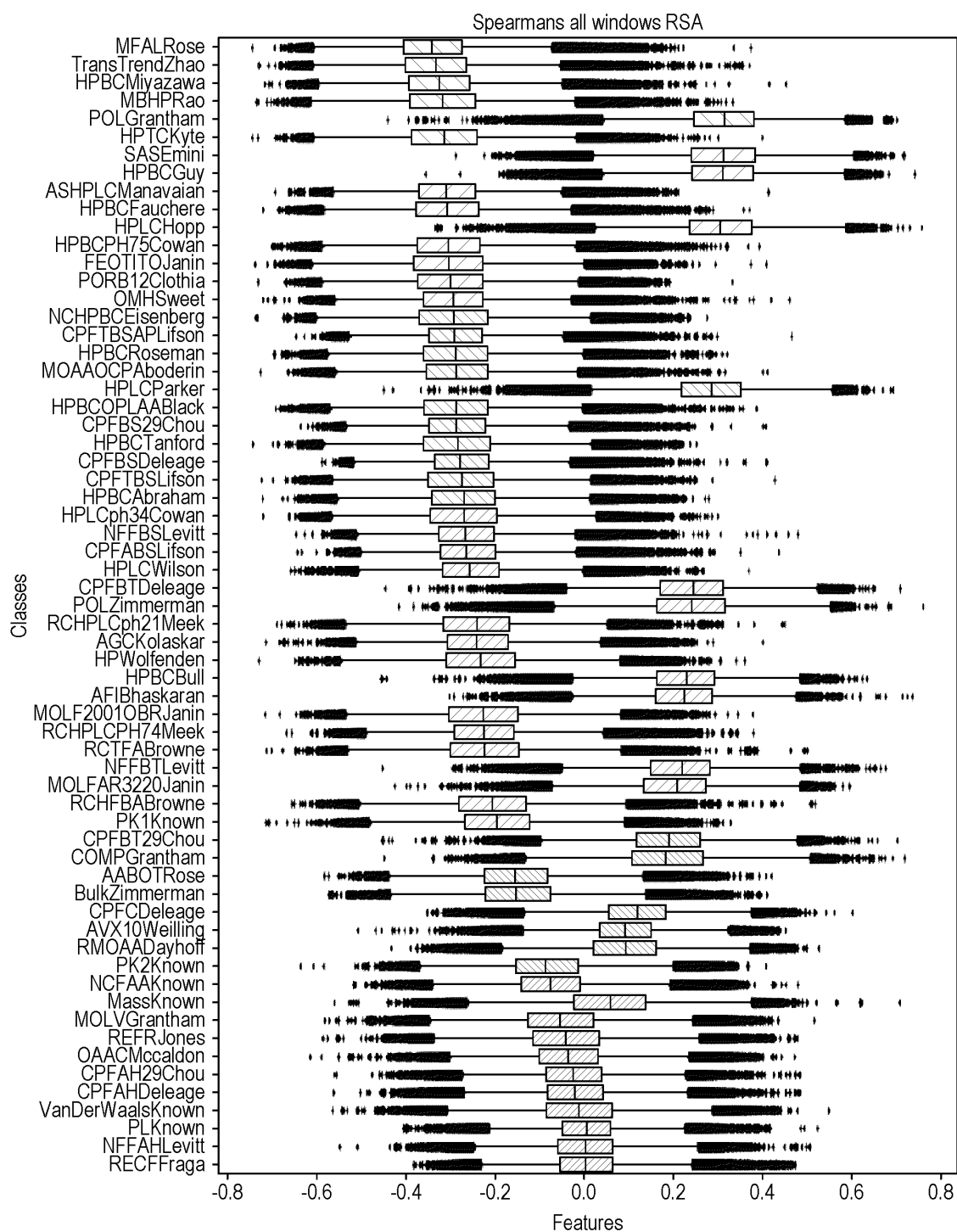
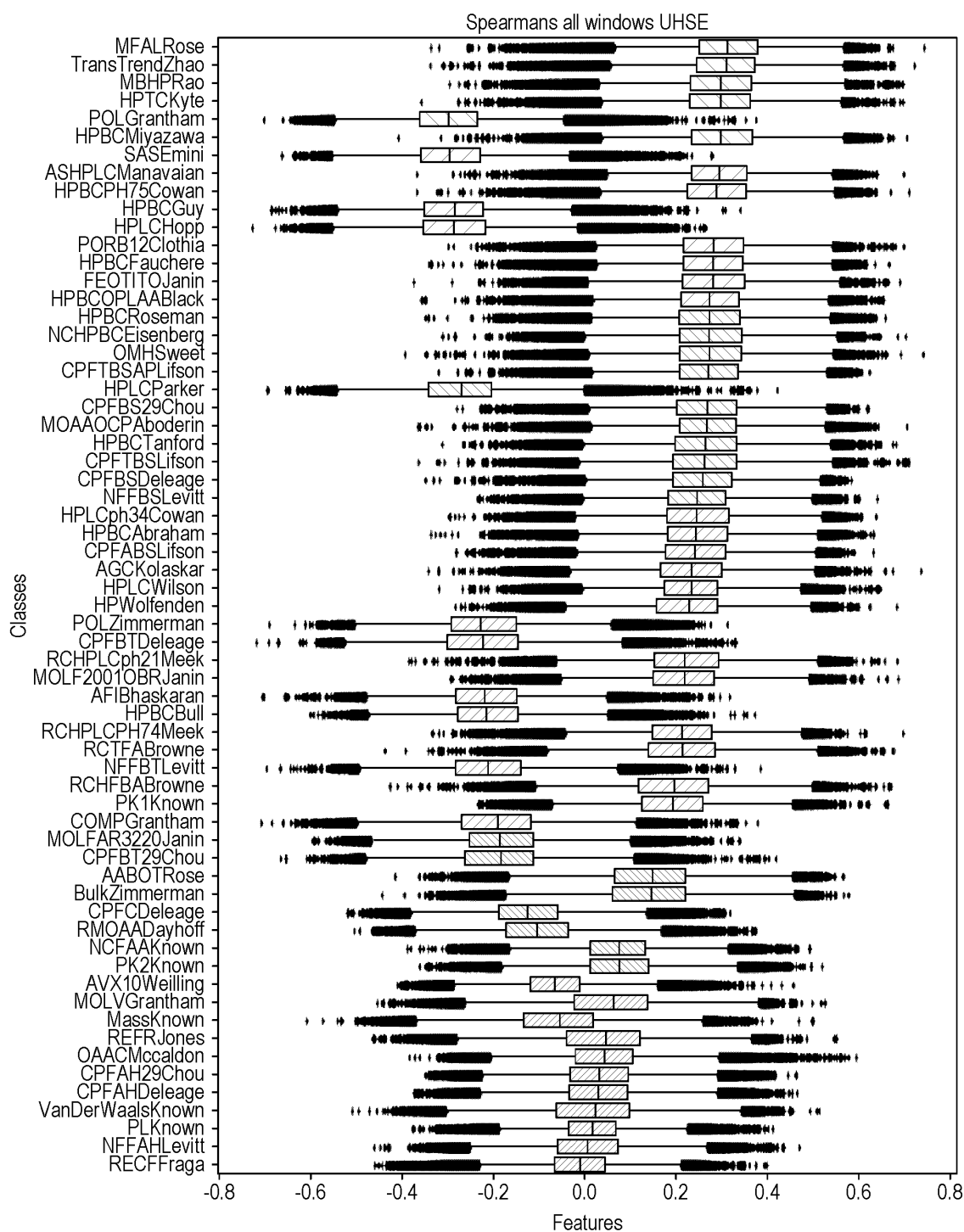


FIG. 7(a)

**FIG. 7(b)**

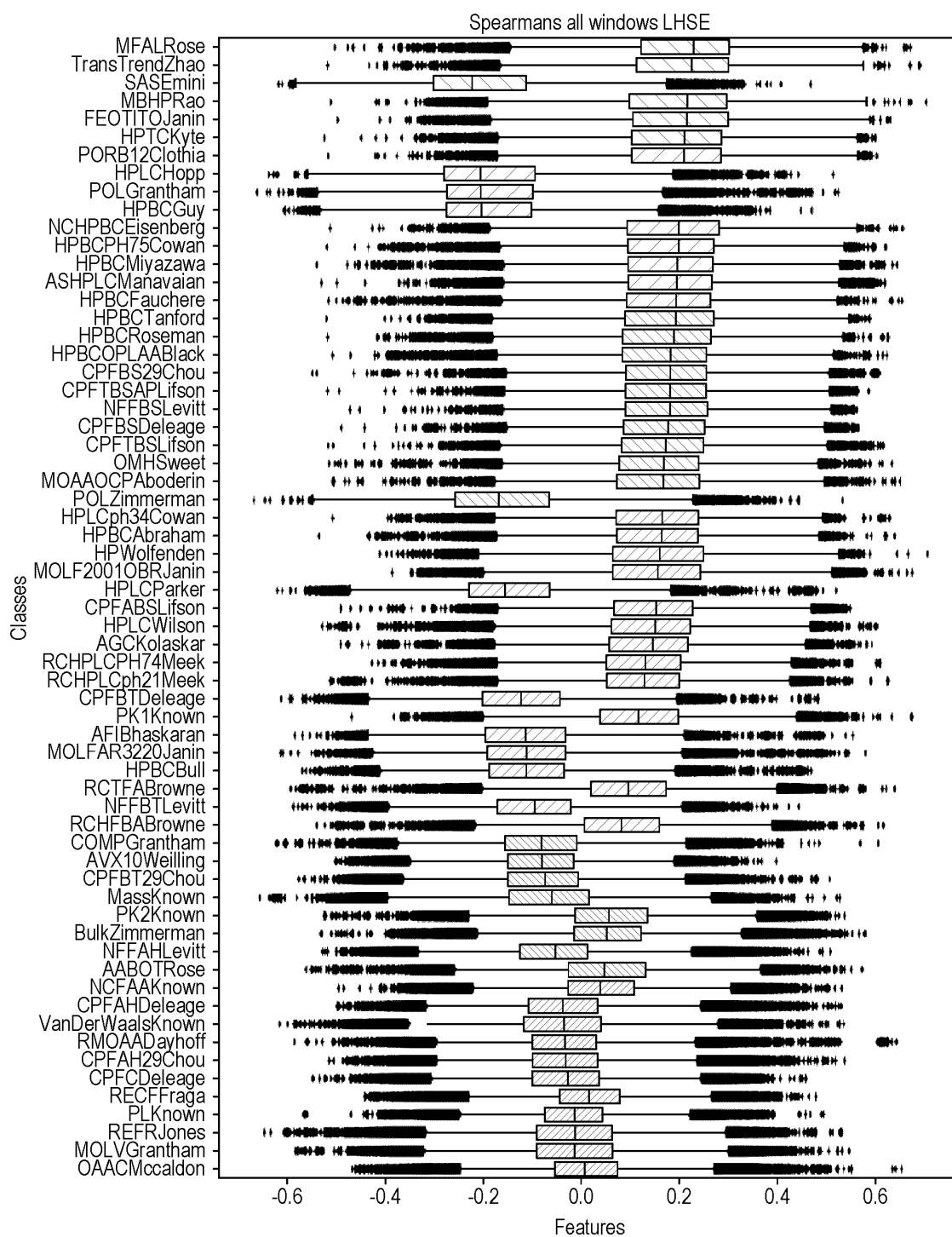


FIG. 7(c)

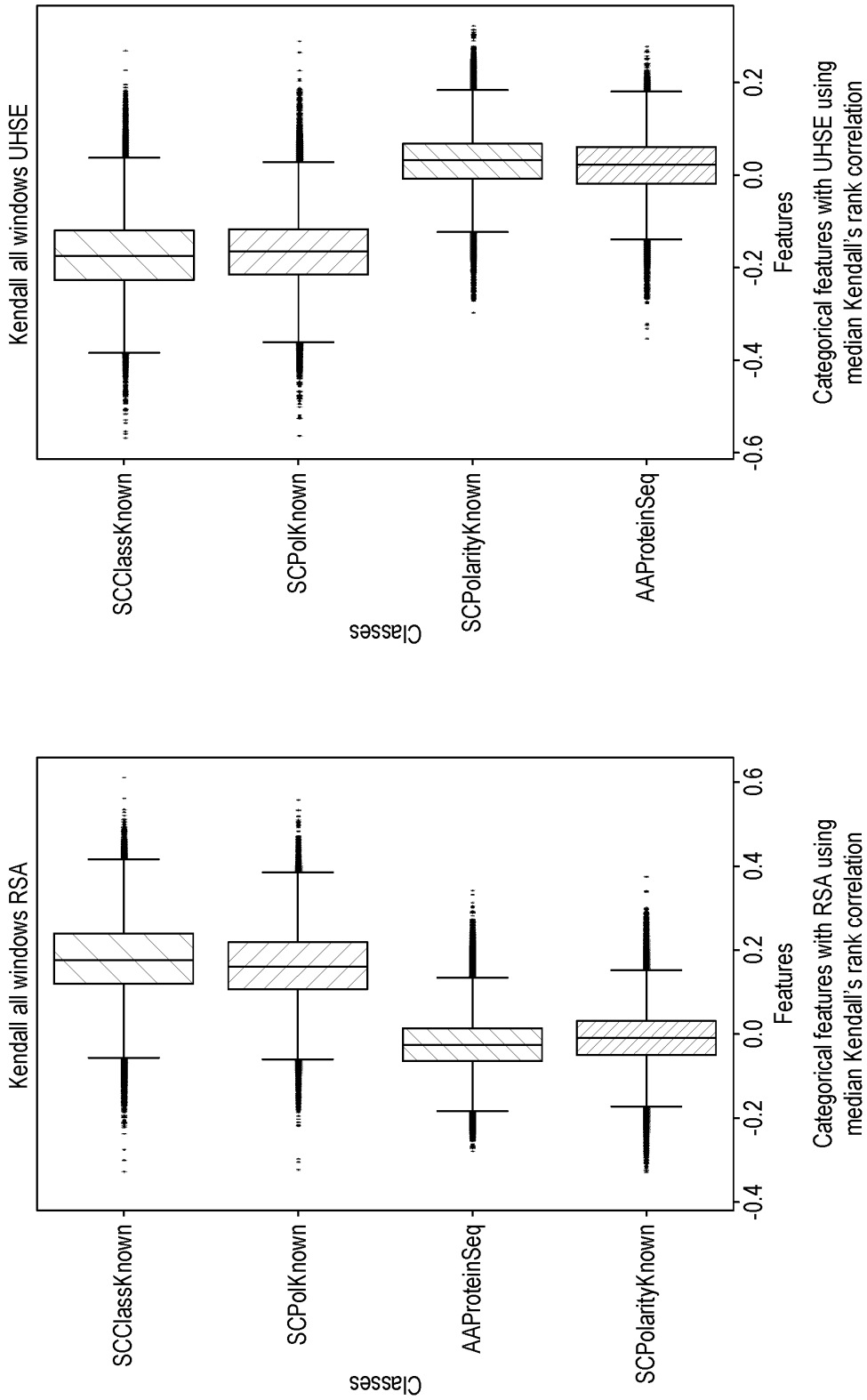


FIG. 8(a)

FIG. 8(b)

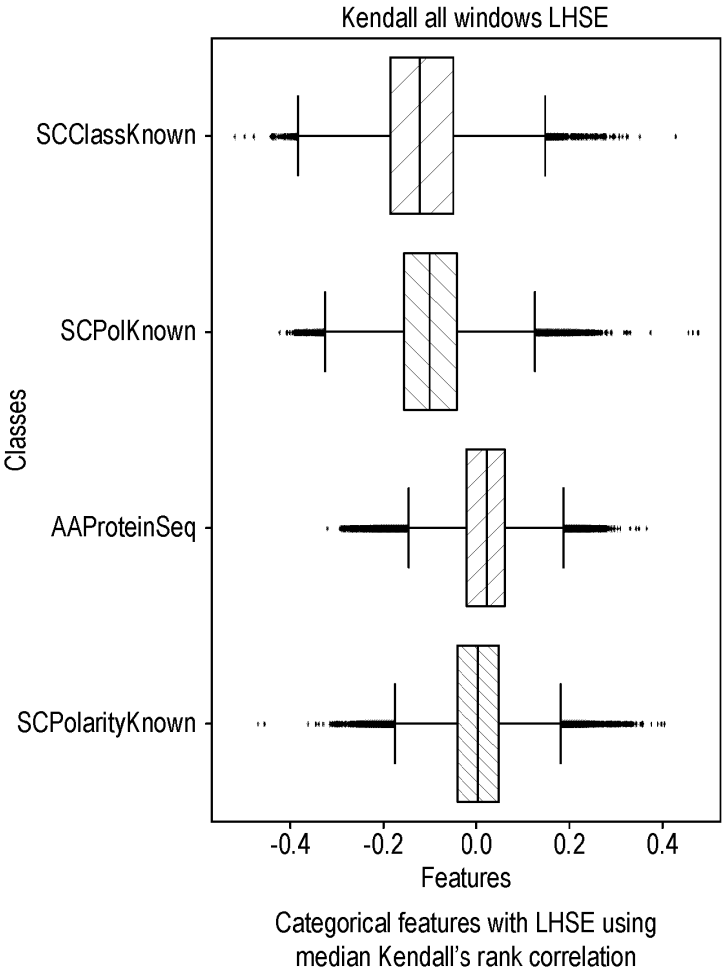


FIG. 8(c)

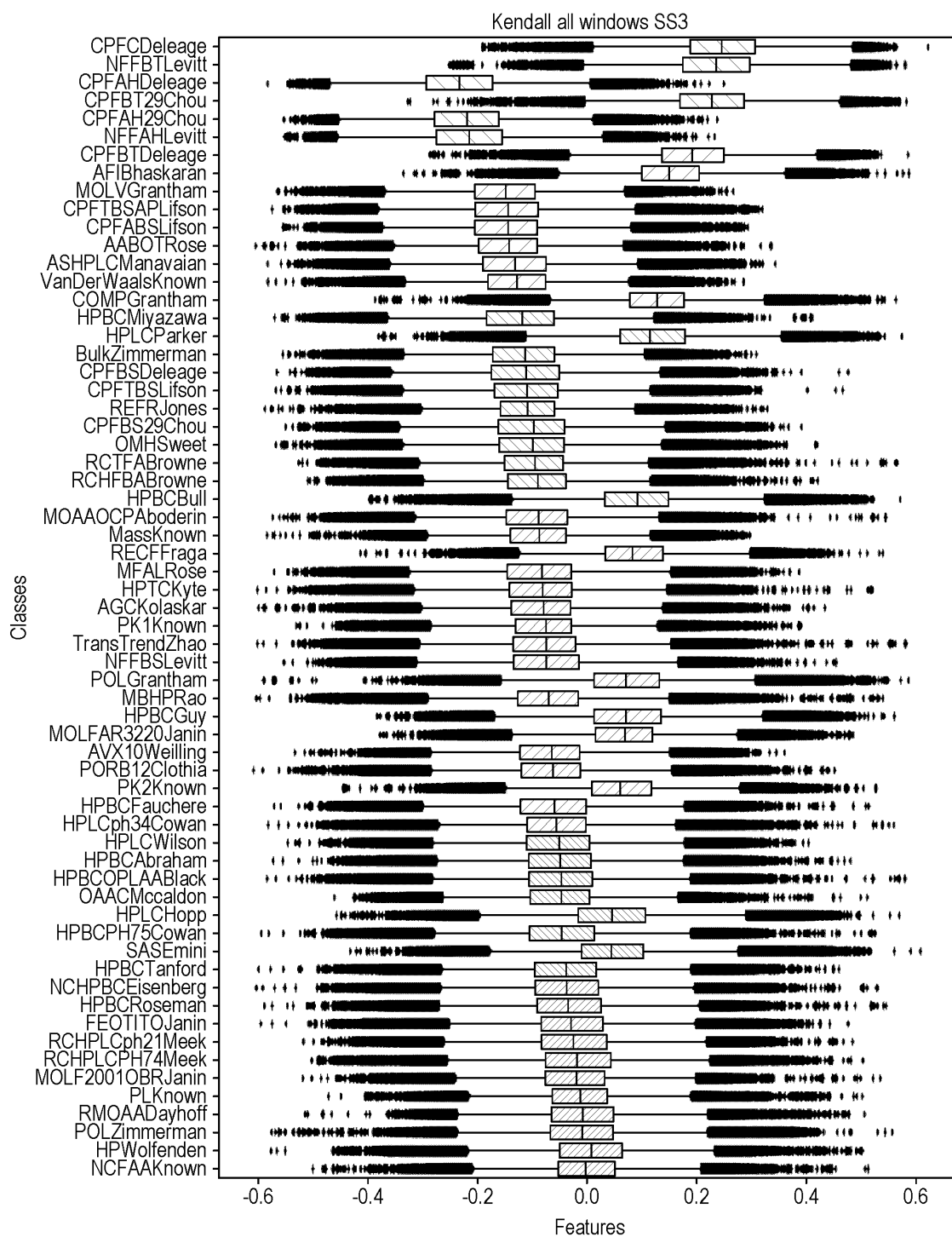


FIG. 9(a)

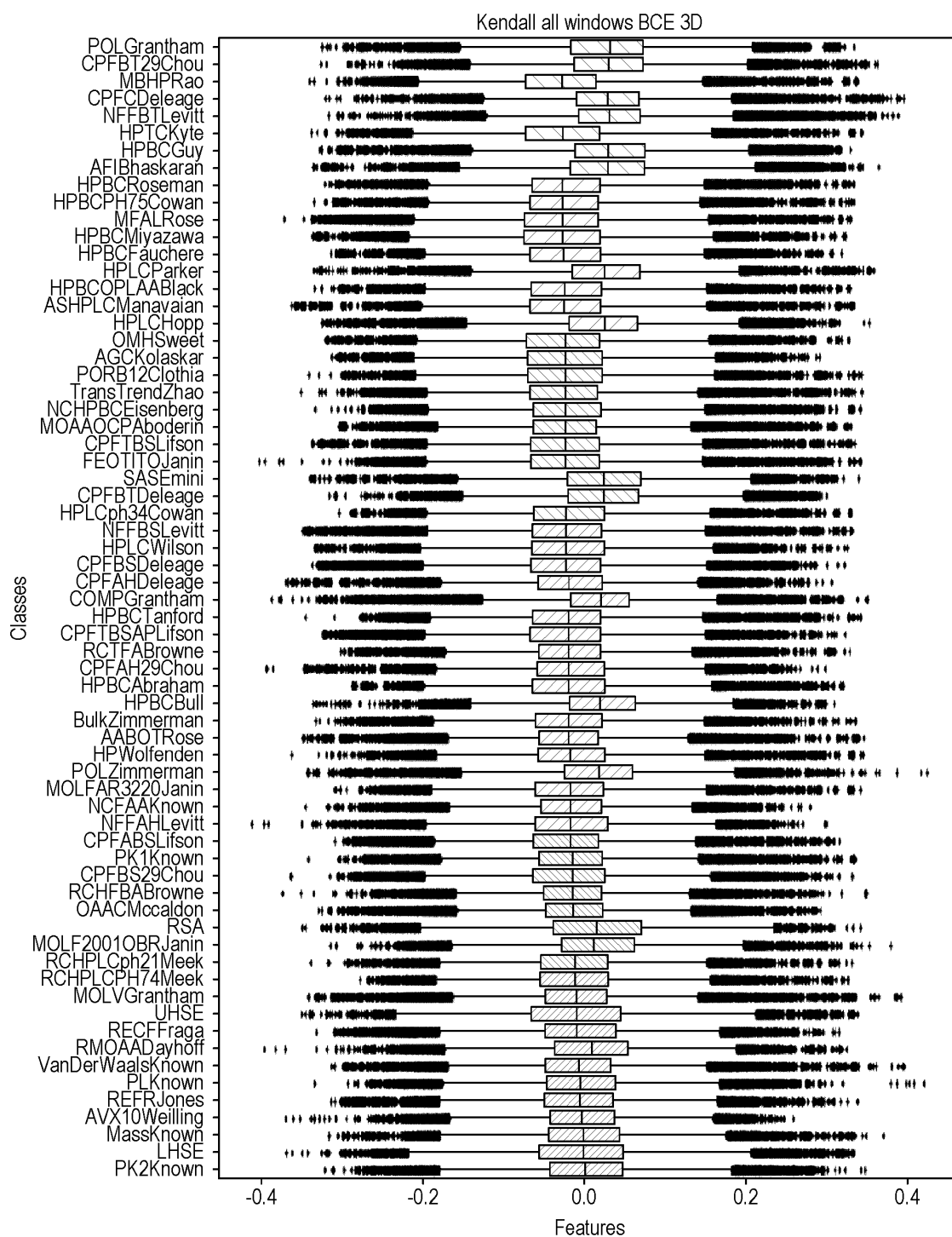
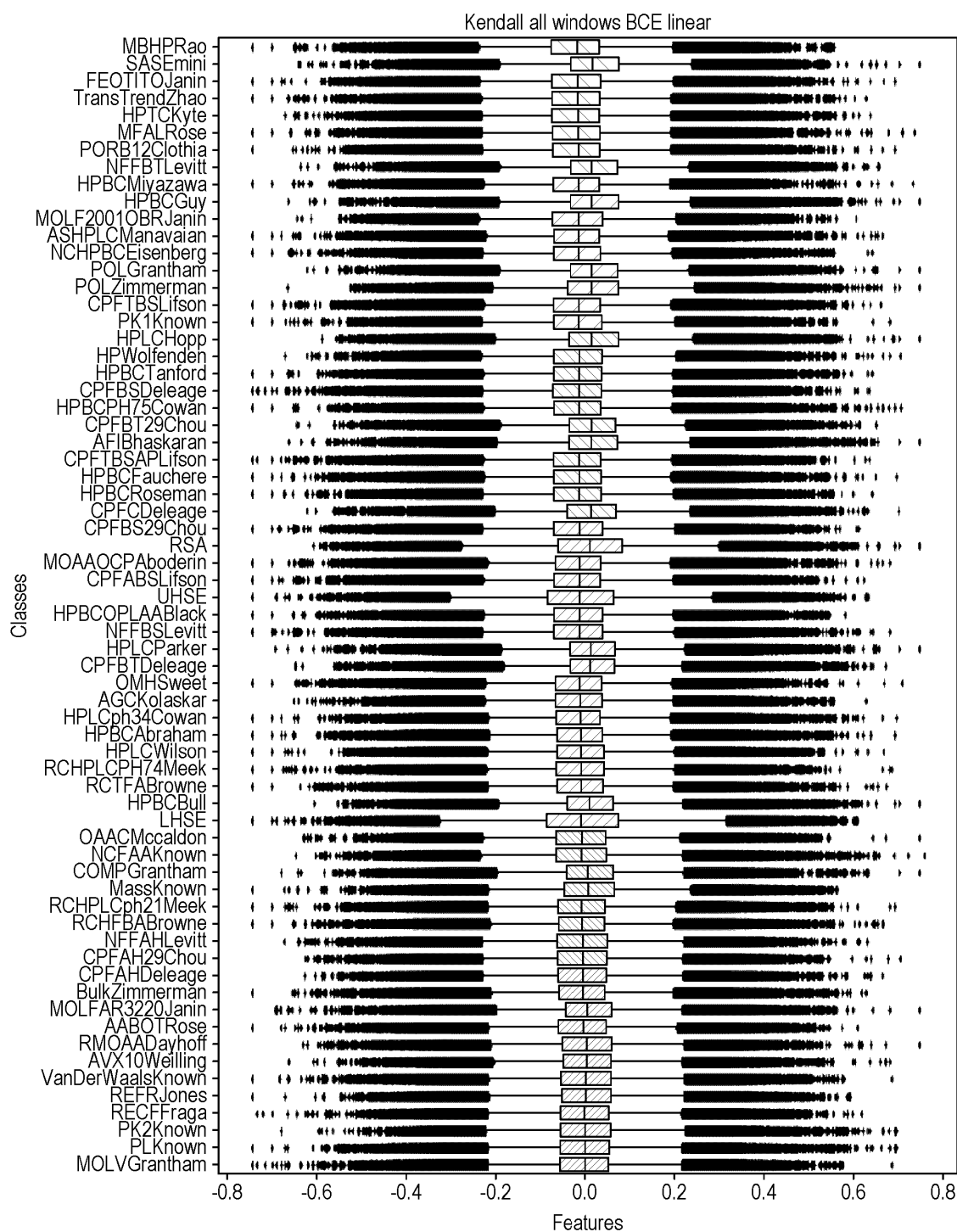
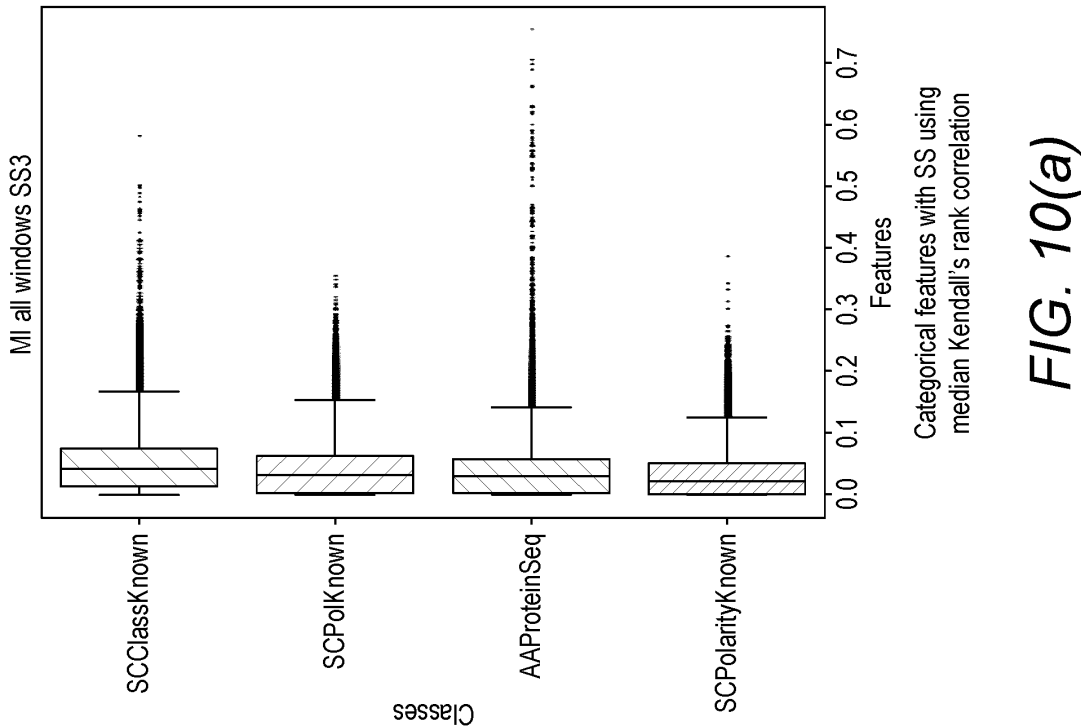
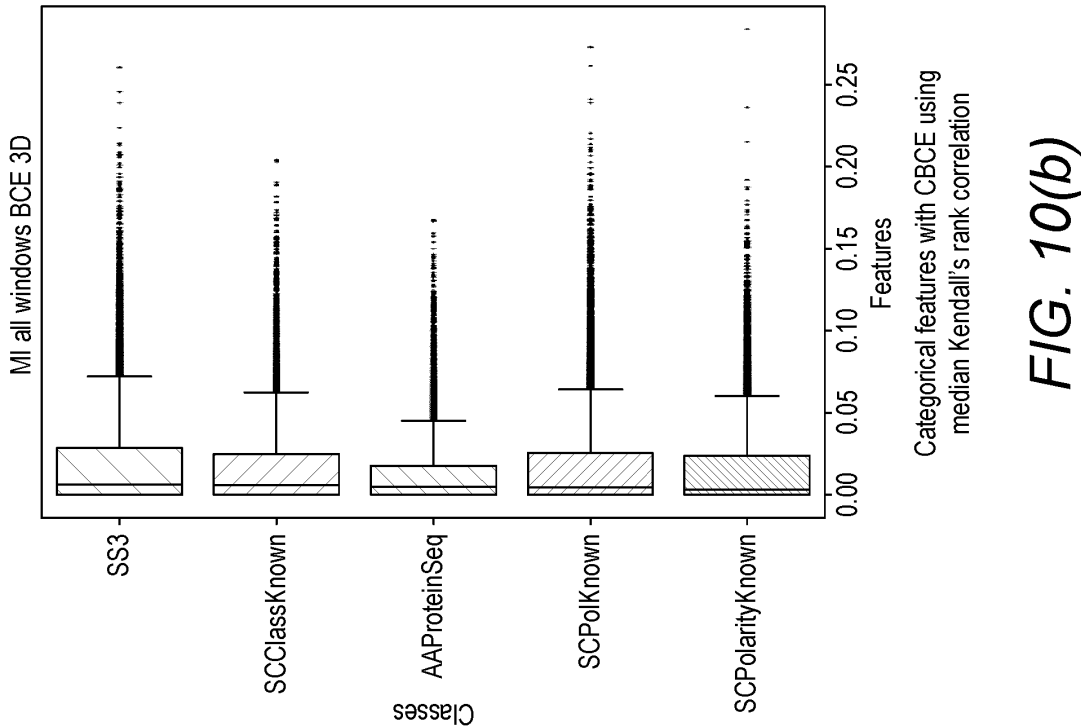
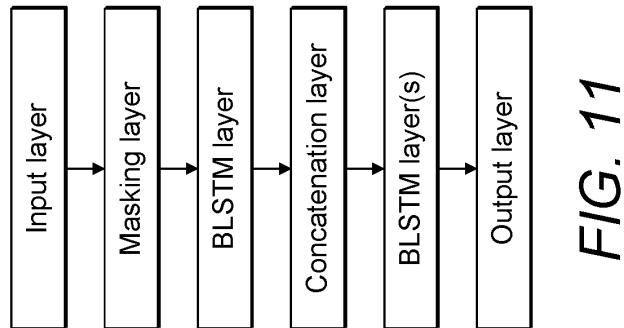
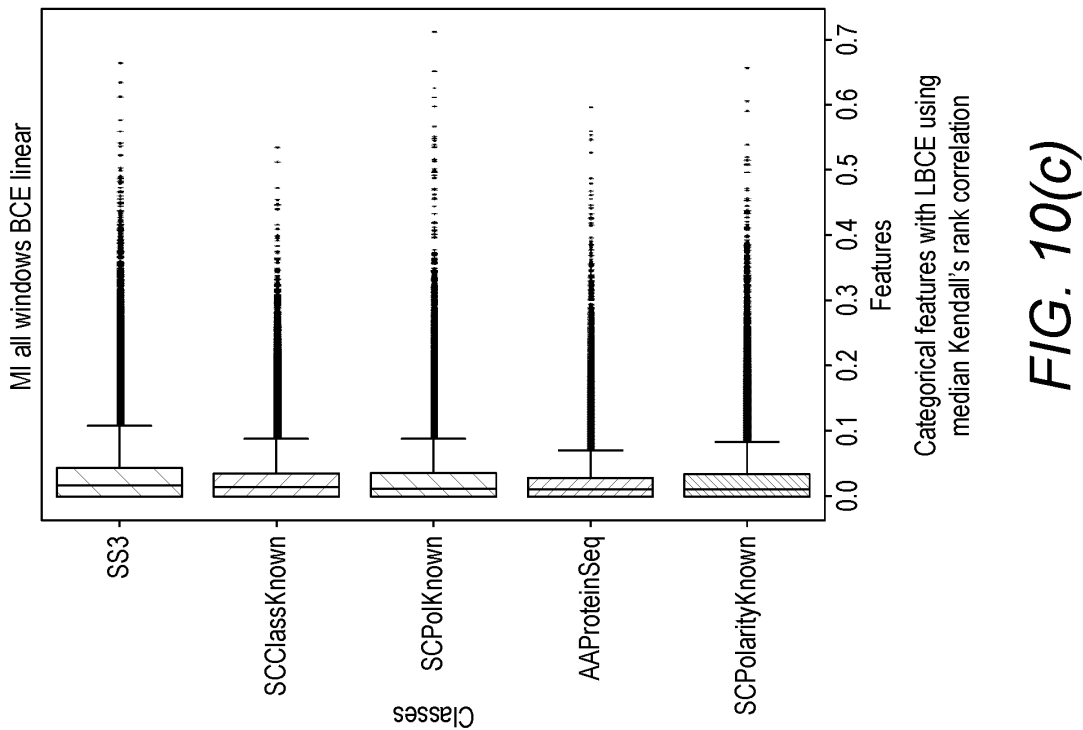
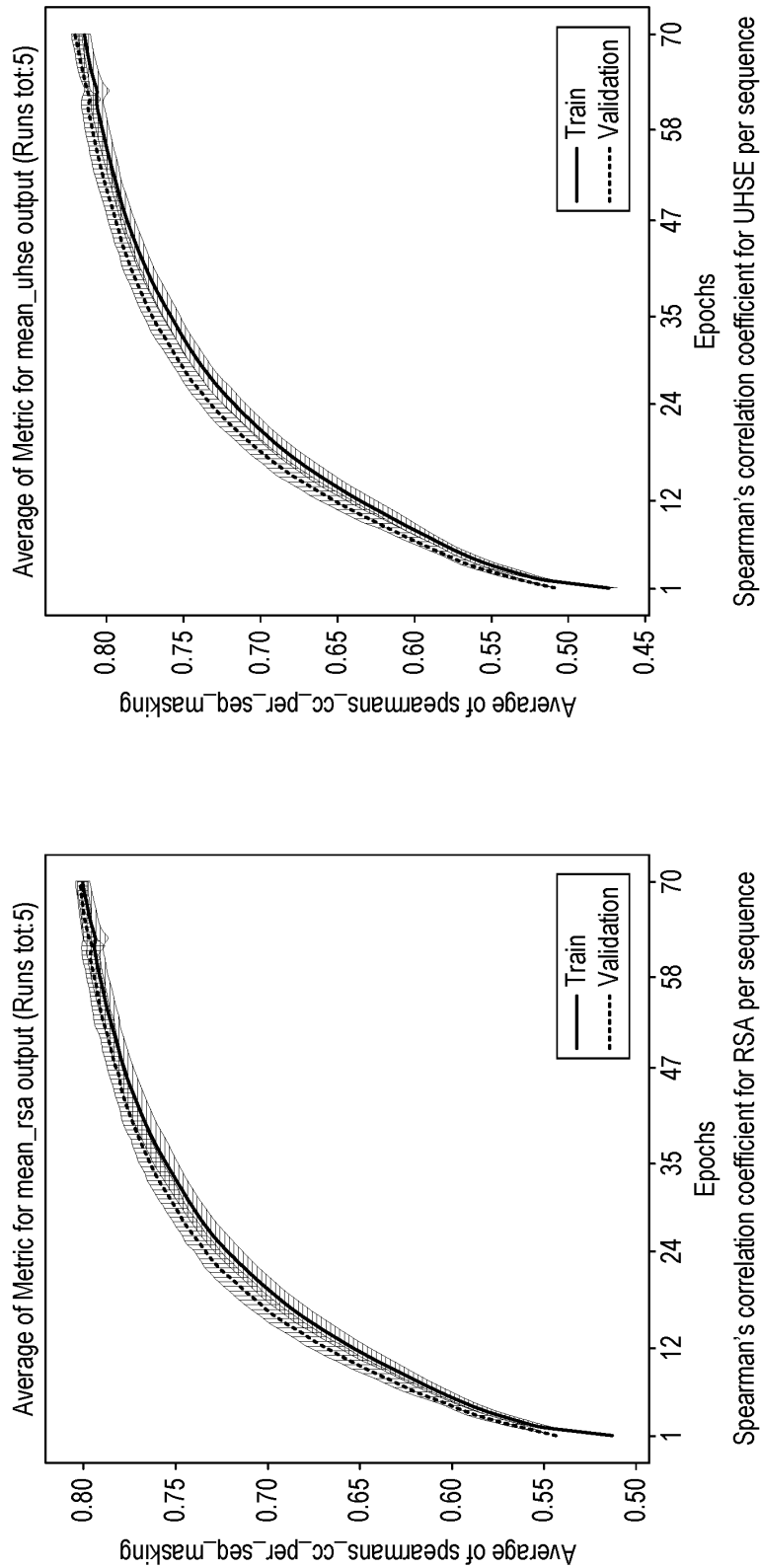


FIG. 9(b)









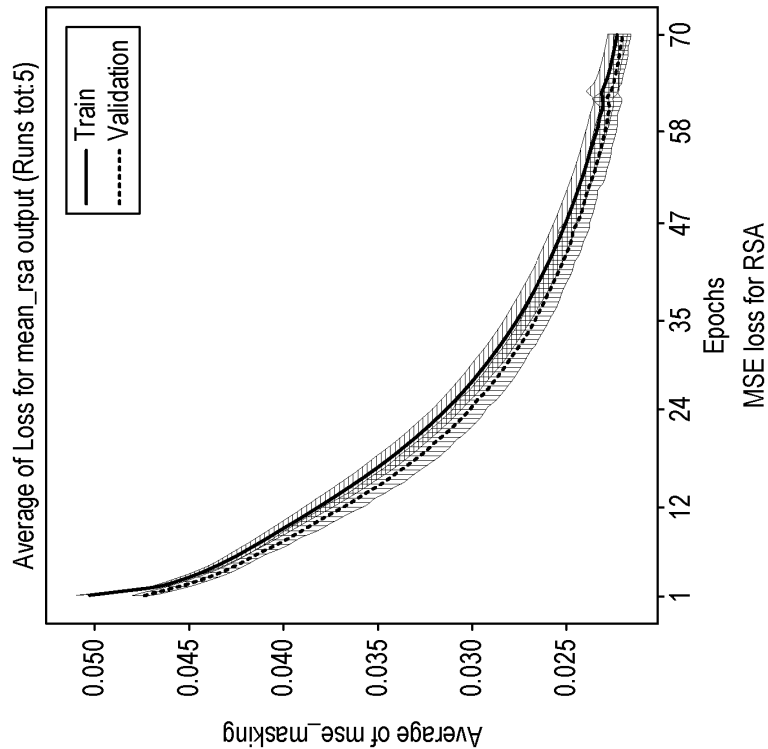


FIG. 12(d)

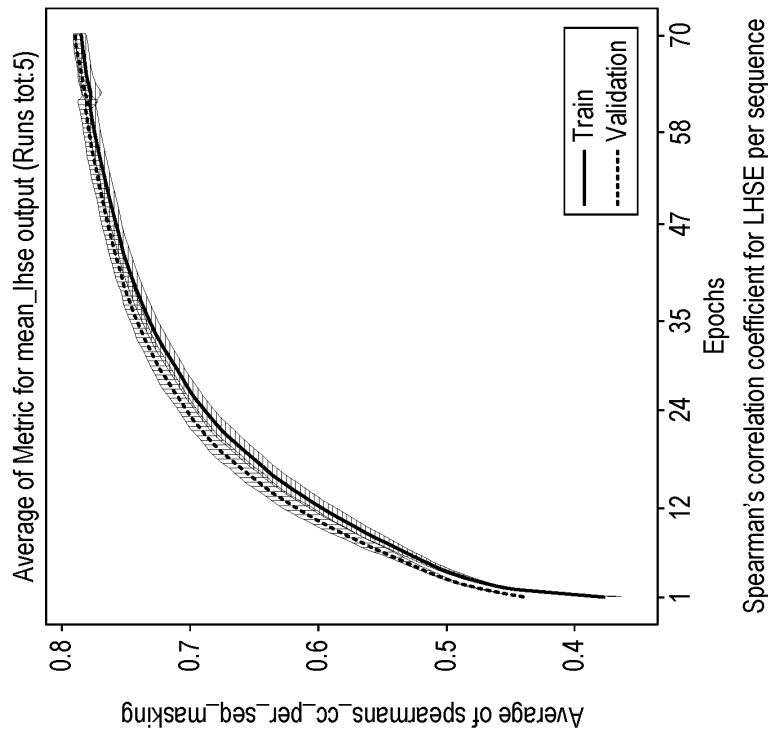


FIG. 12(c)

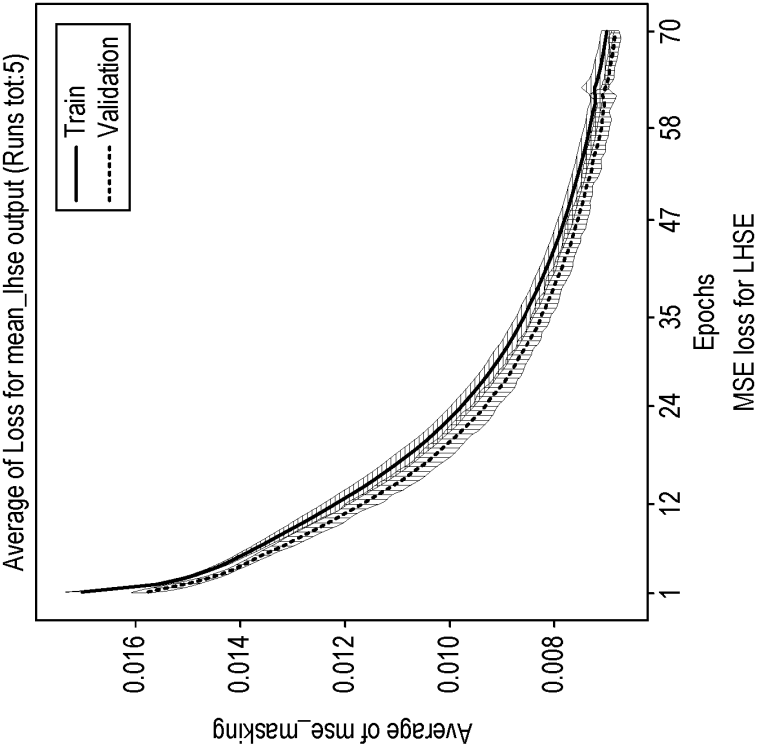


FIG. 12(f)

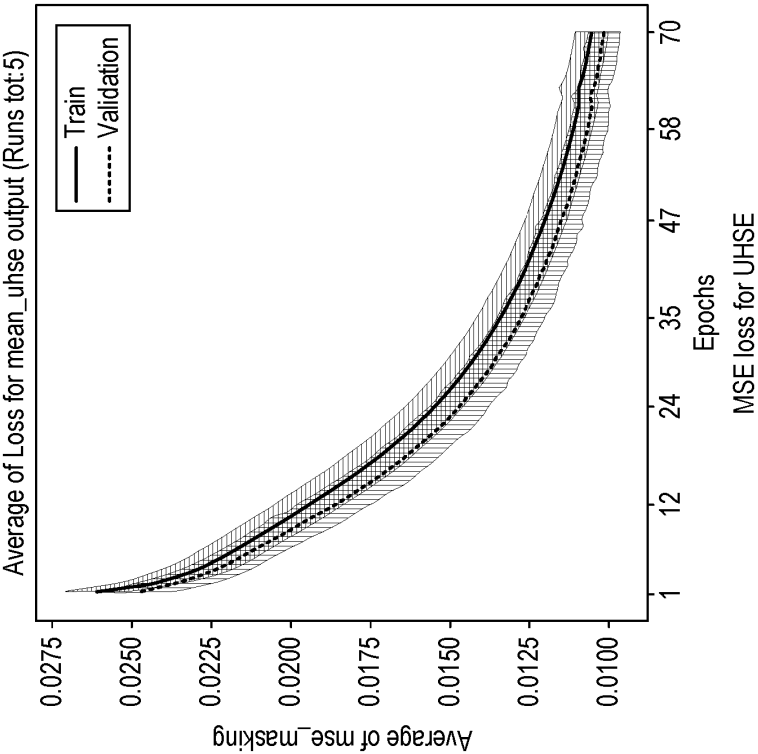


FIG. 12(e)

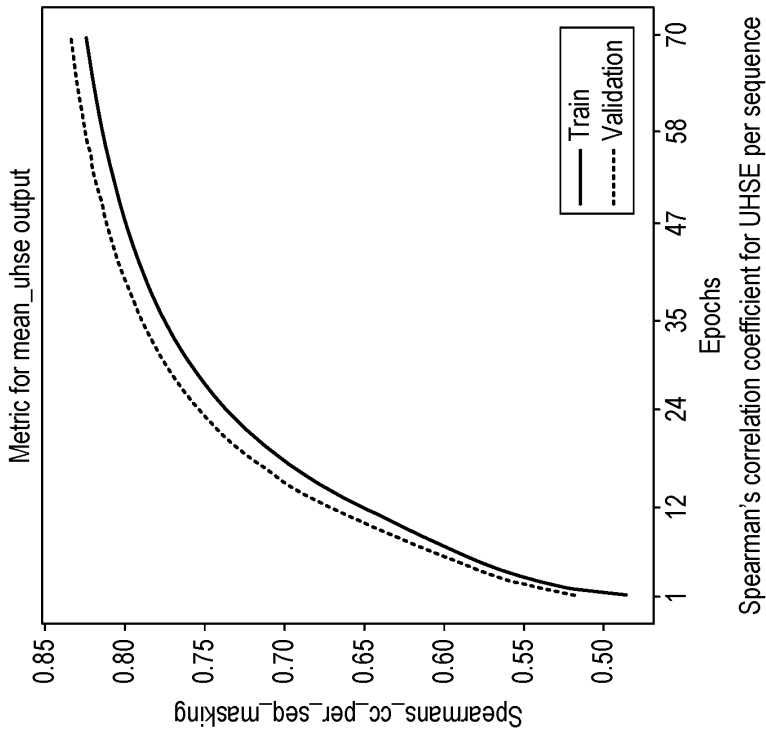


FIG. 13(b)

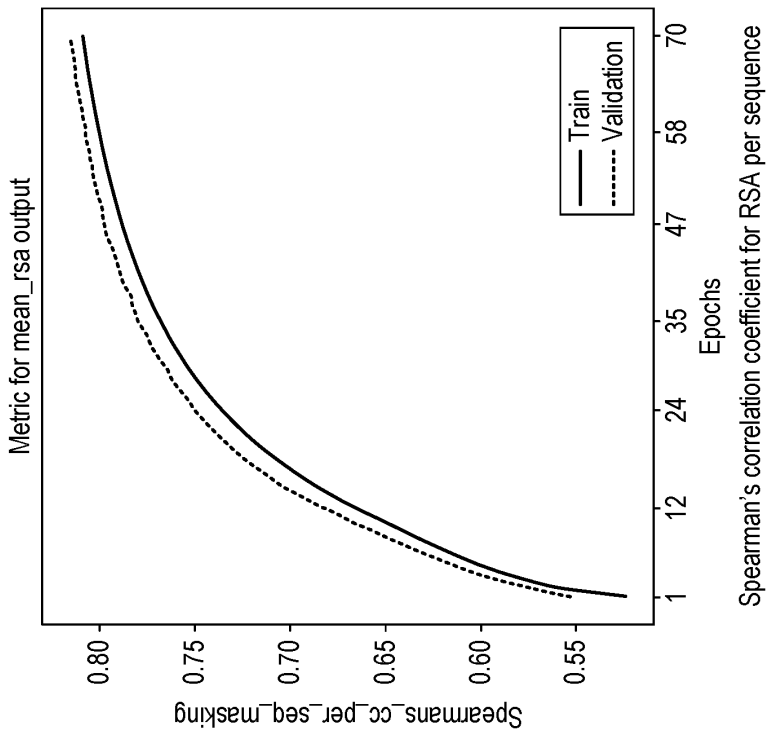


FIG. 13(a)

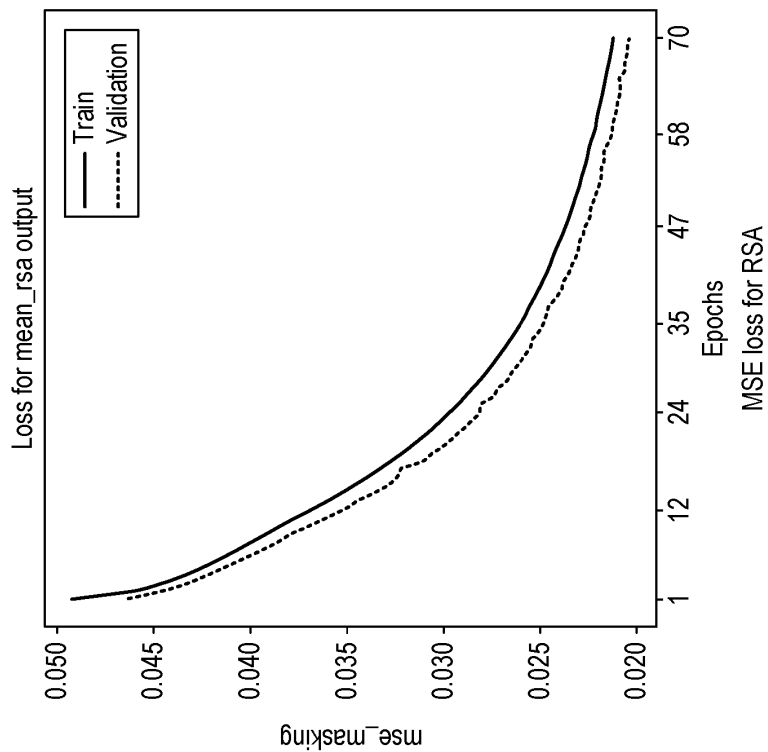


FIG. 13(d)

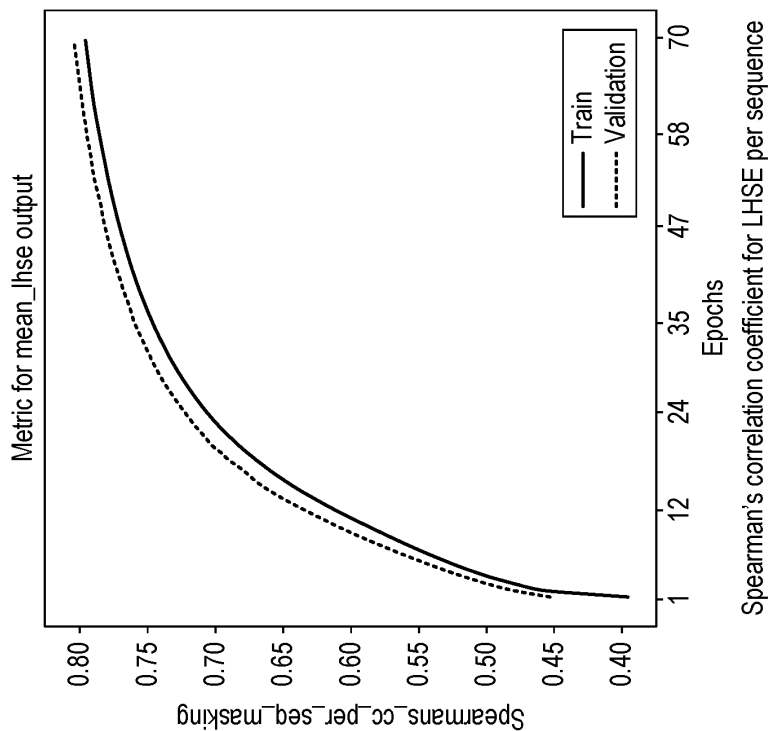


FIG. 13(c)

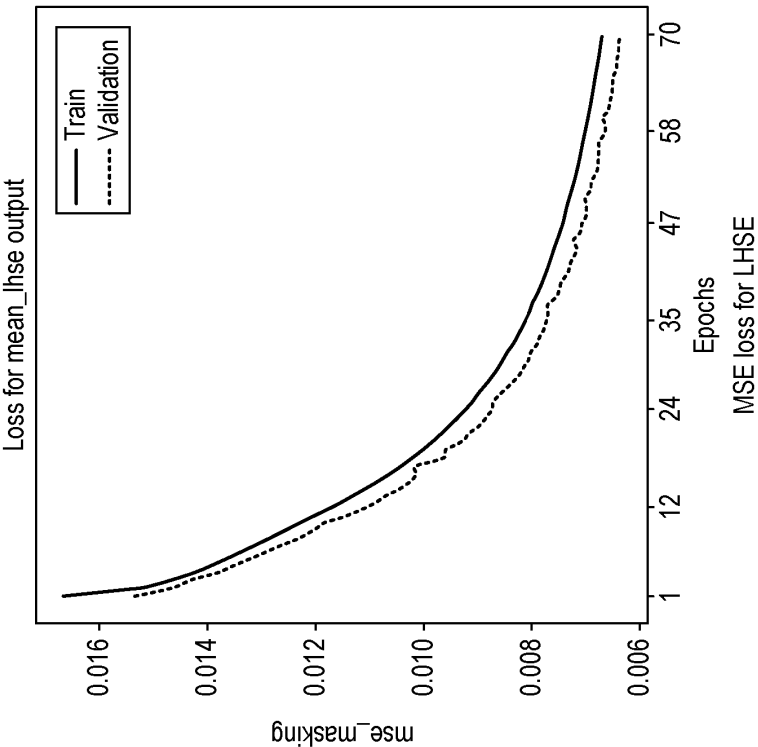


FIG. 13(f)

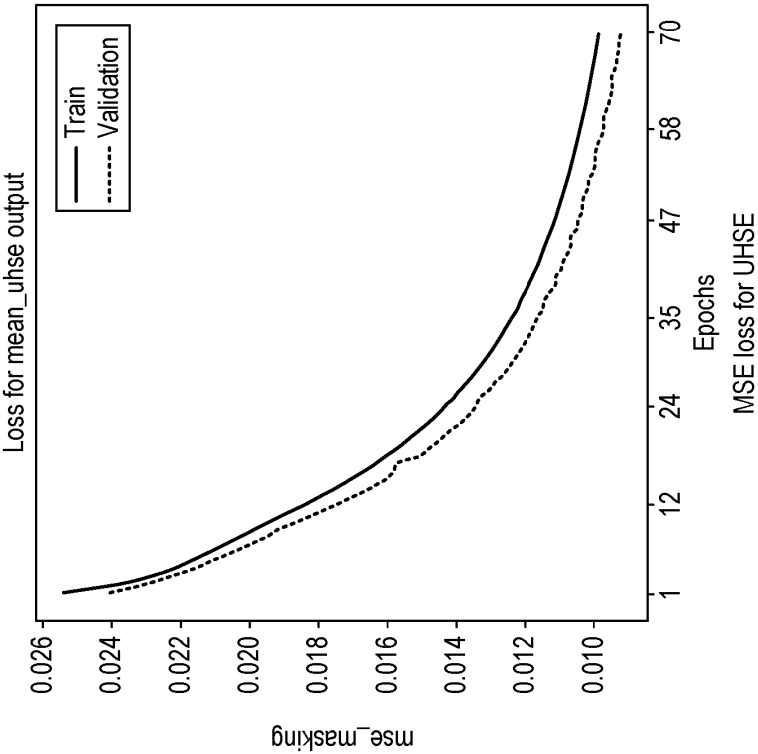


FIG. 13(e)

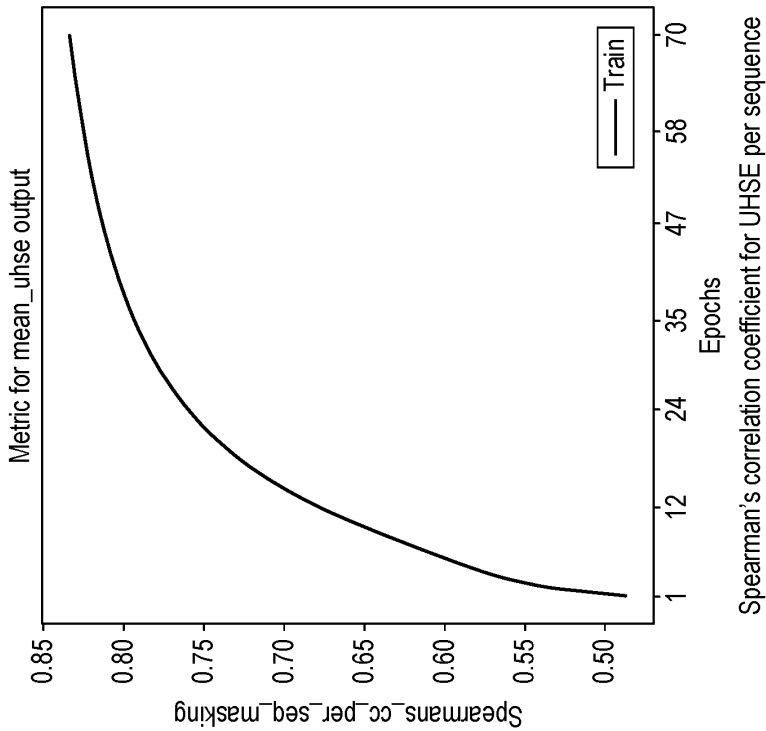


FIG. 14(b)

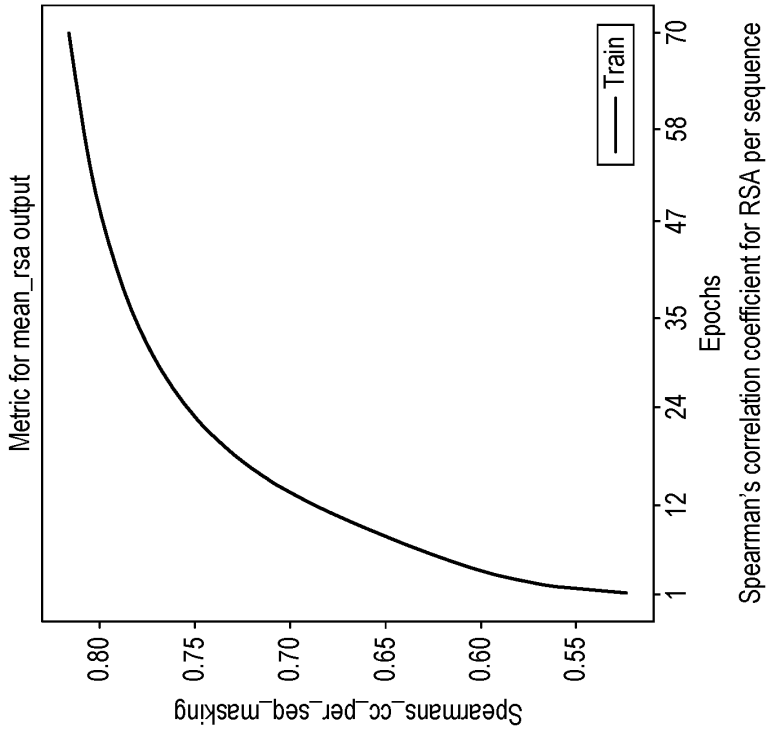


FIG. 14(a)

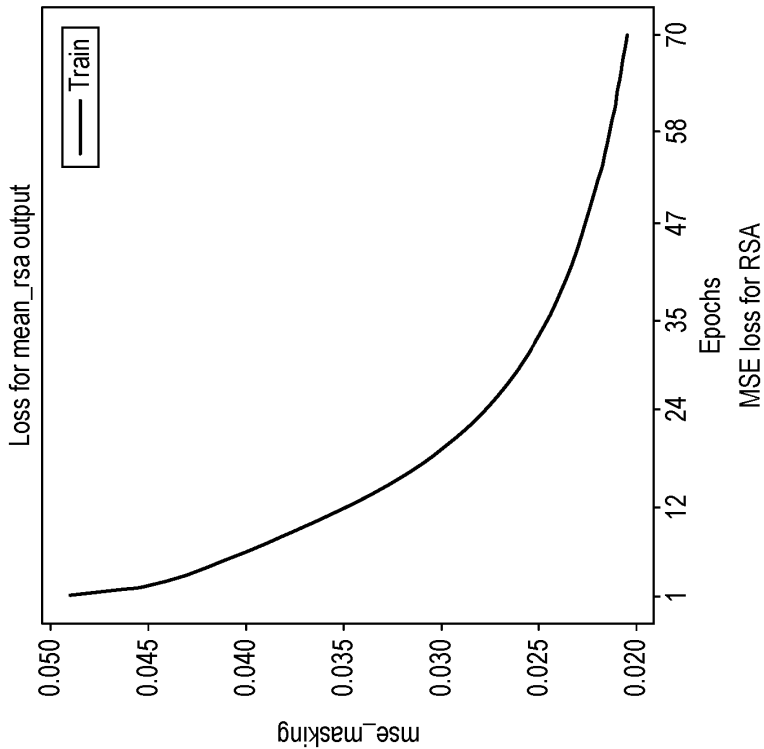


FIG. 14(d)

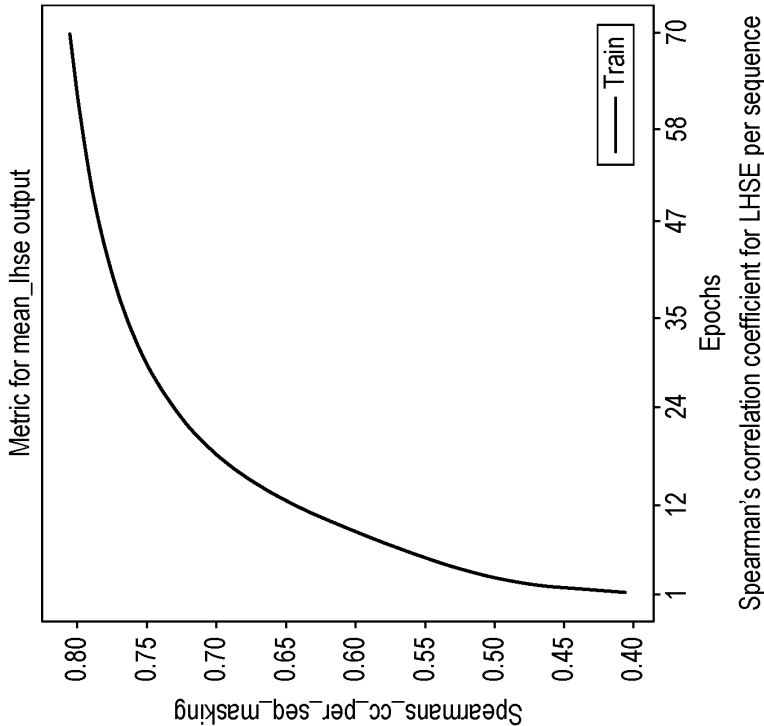


FIG. 14(c)

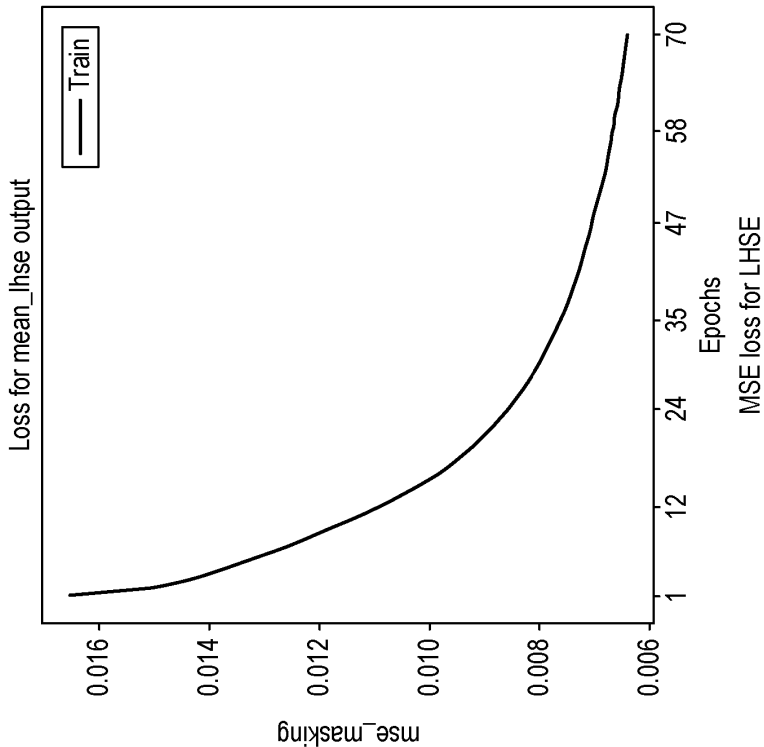


FIG. 14(f)

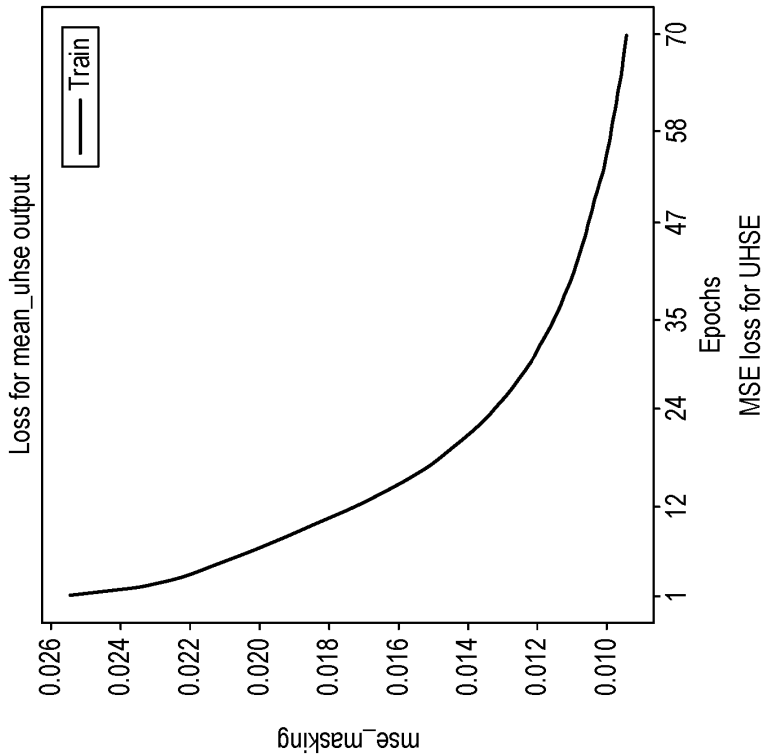


FIG. 14(e)

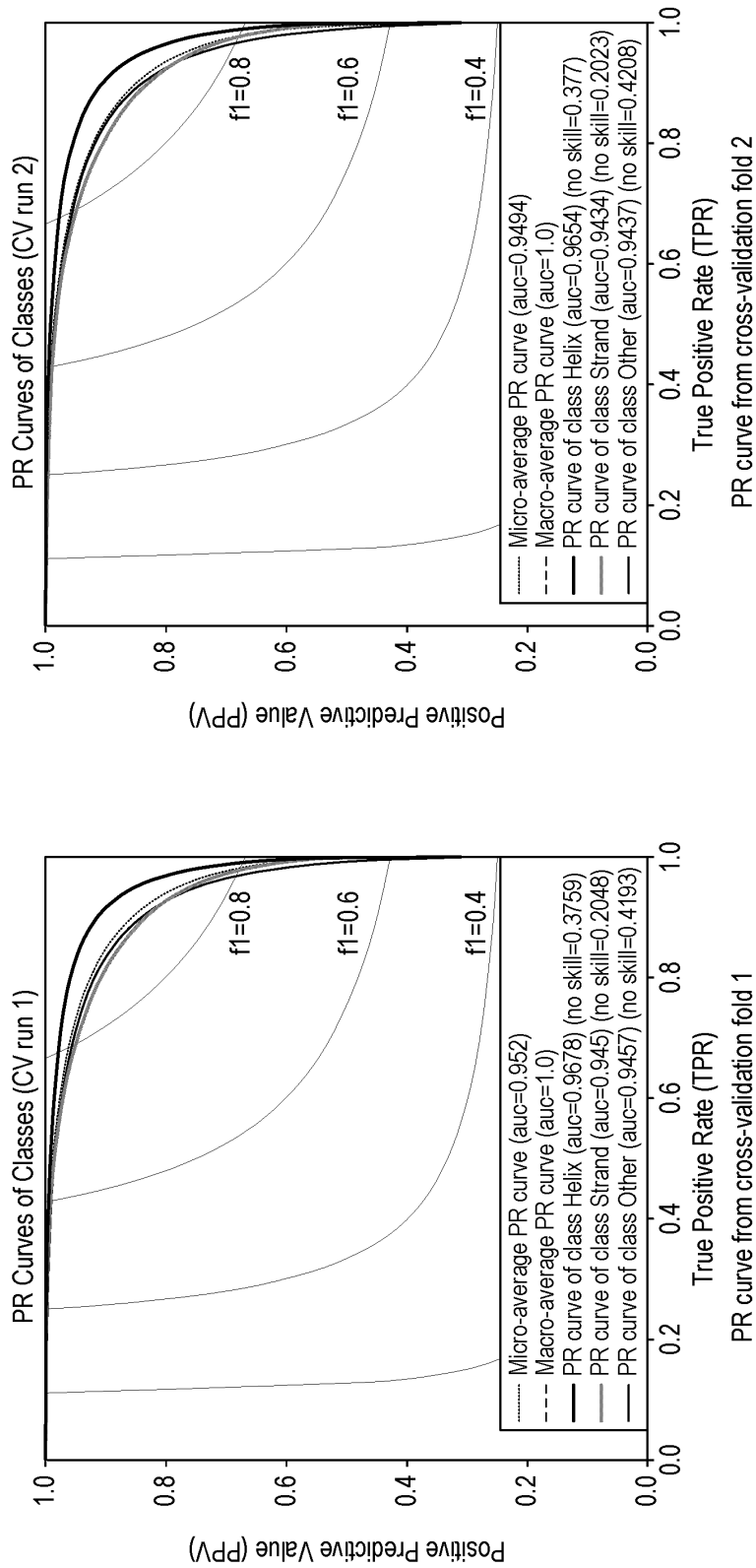


FIG. 15(b)

FIG. 15(a)

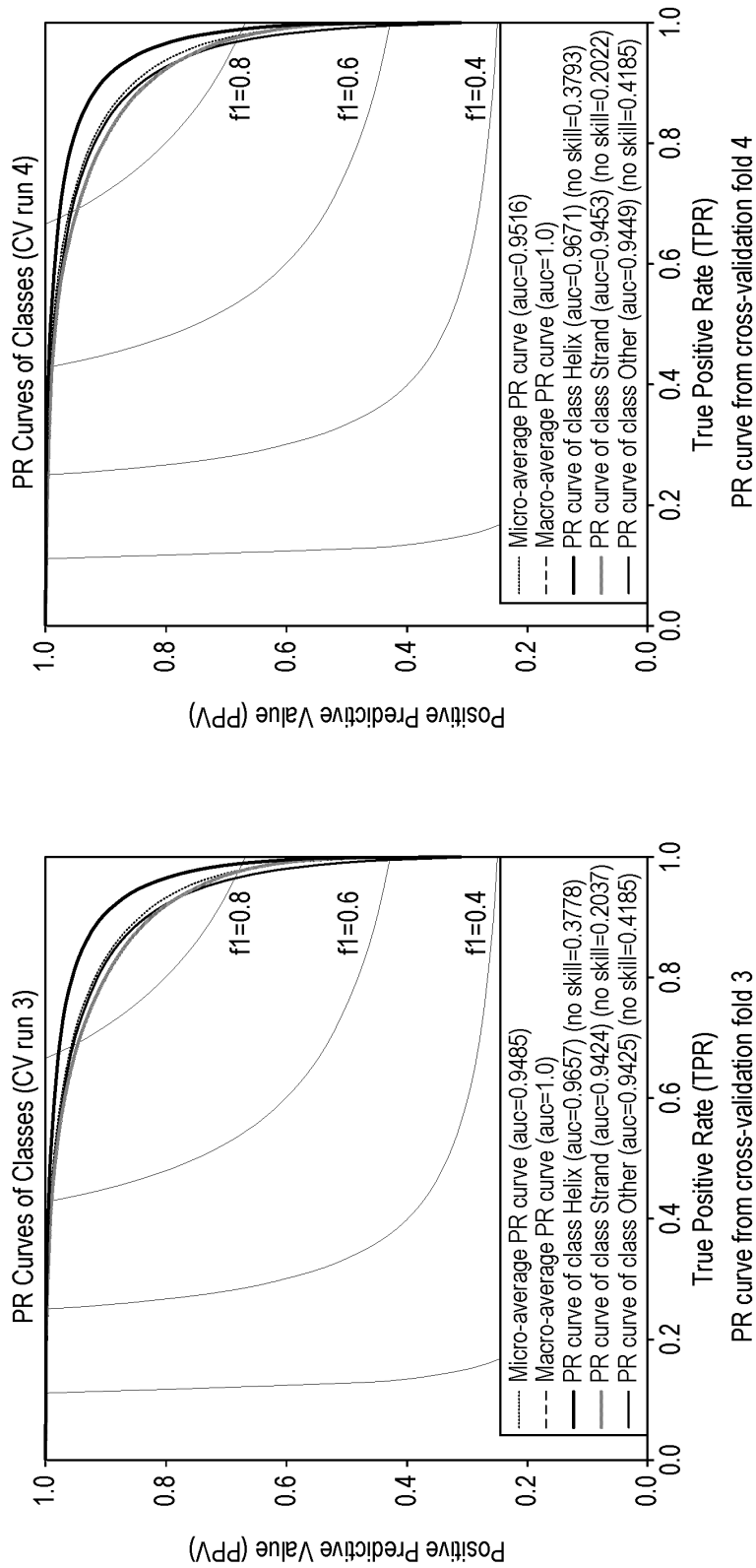
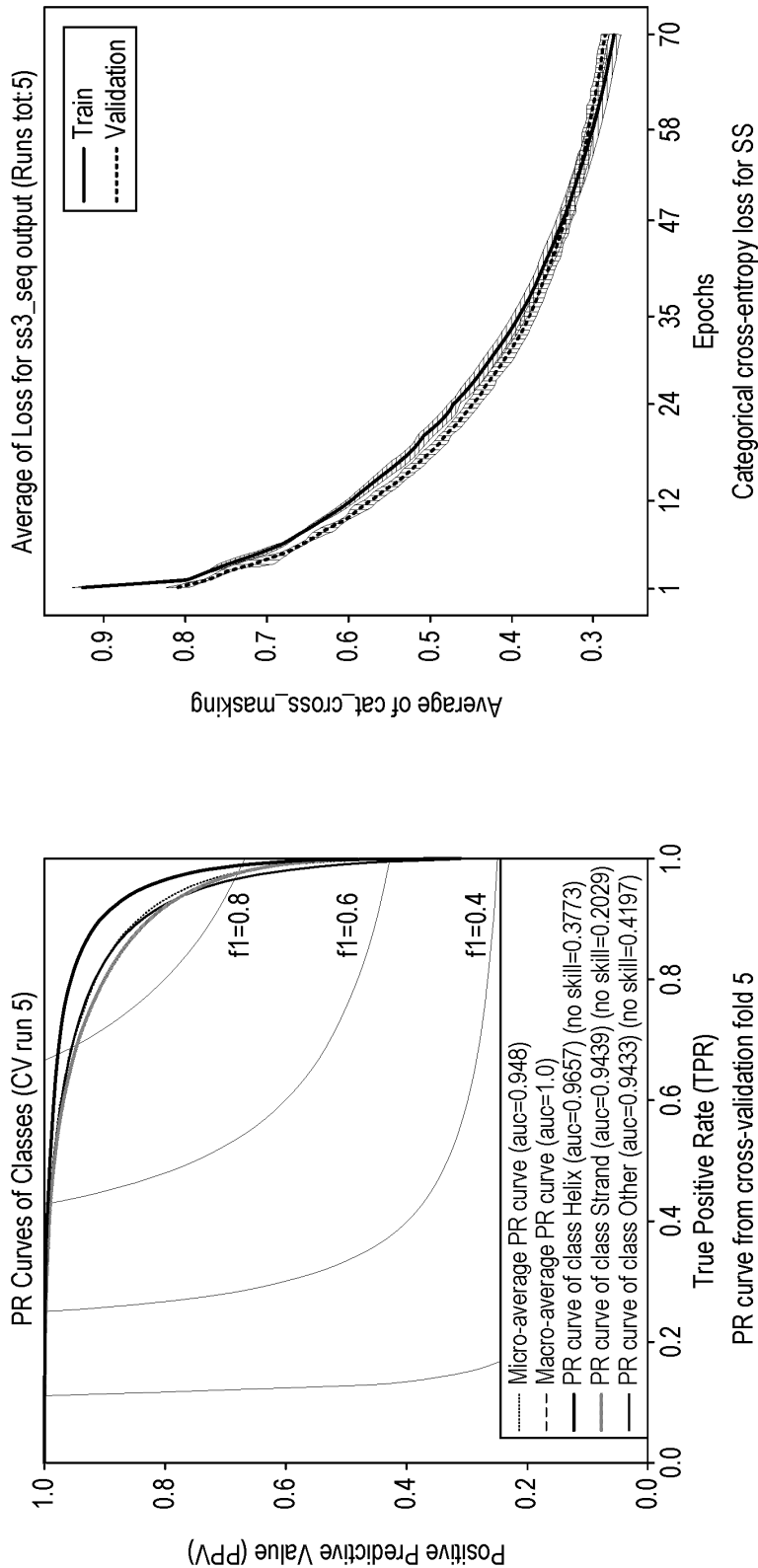


FIG. 15(c)

FIG. 15(d)



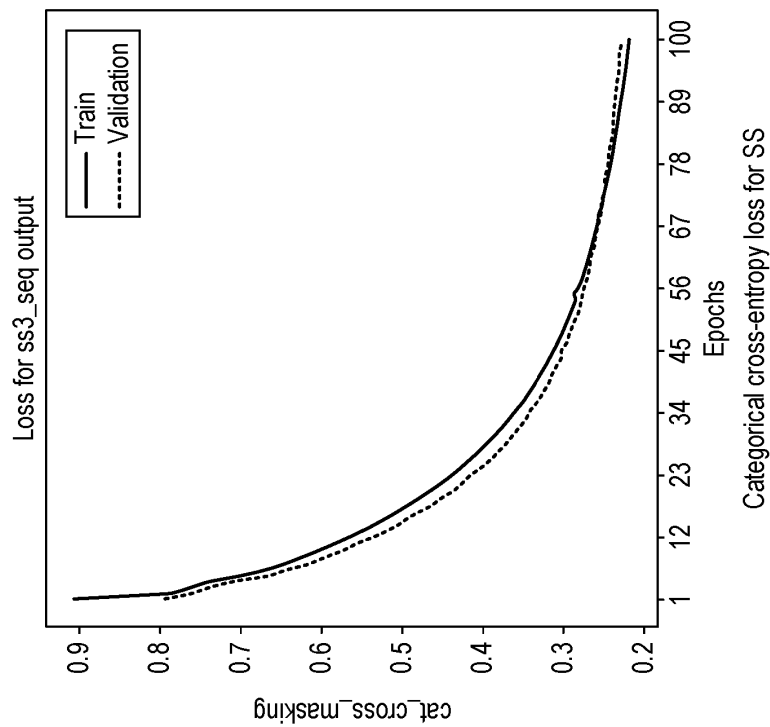


FIG. 16(b)

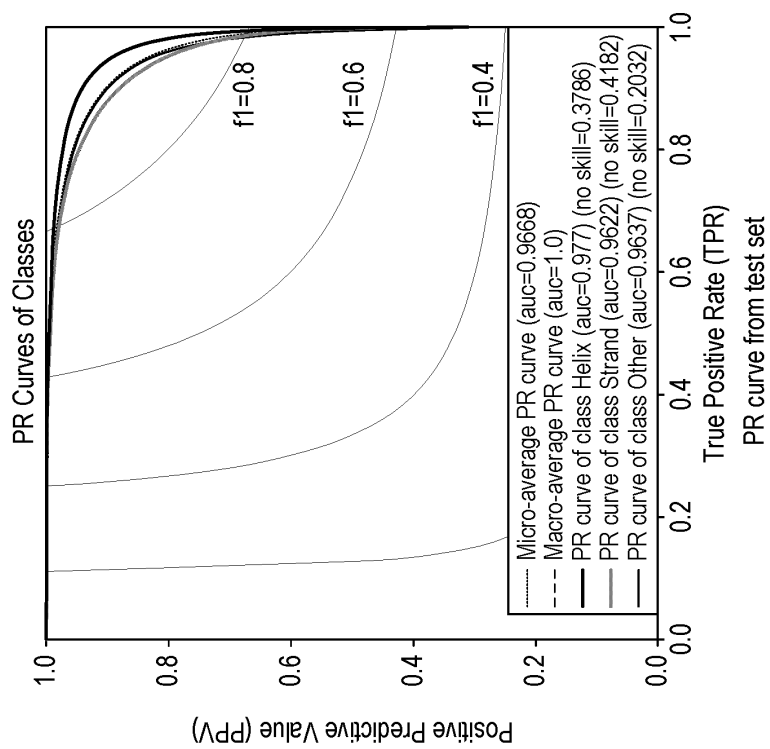


FIG. 16(a)

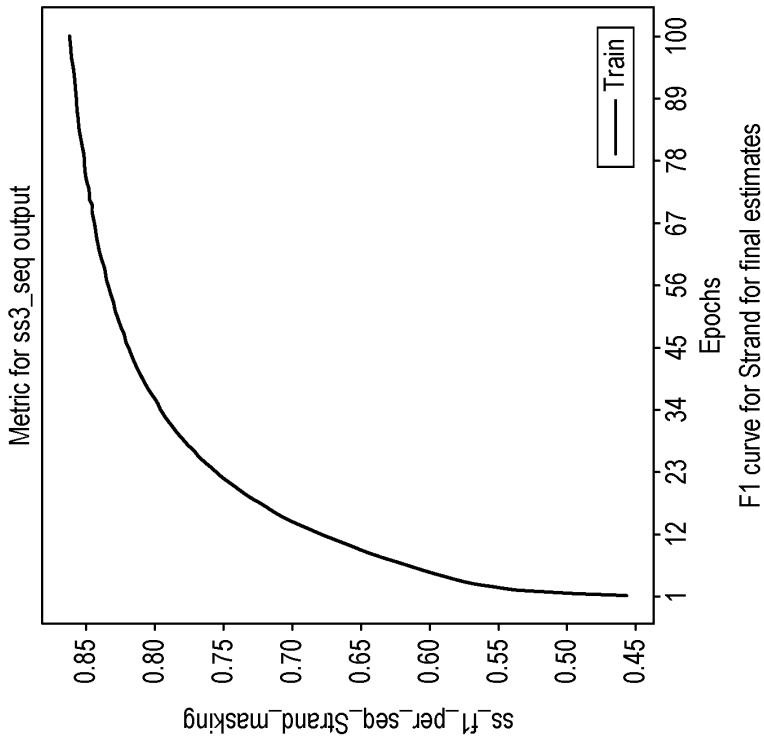


FIG. 17(b)

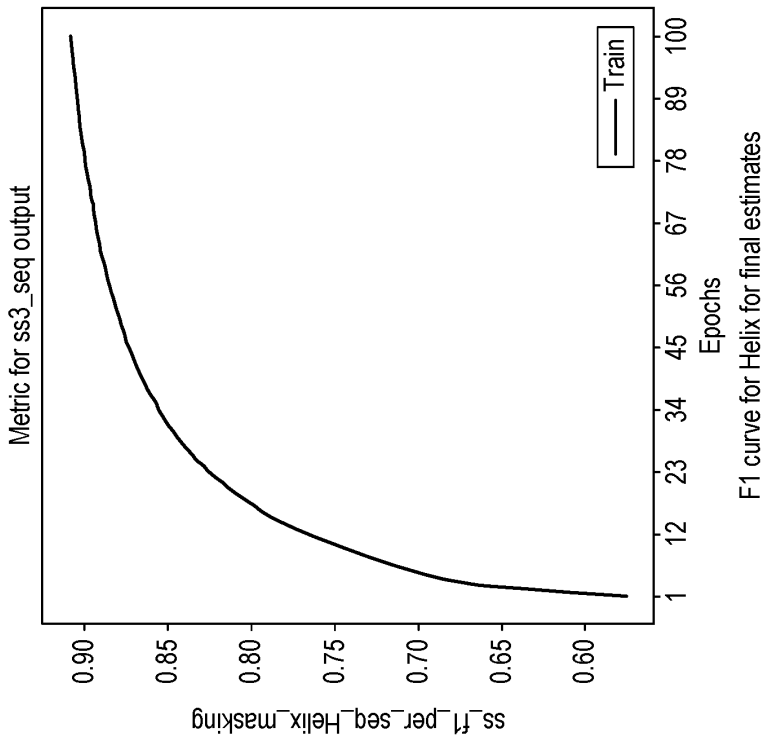


FIG. 17(a)

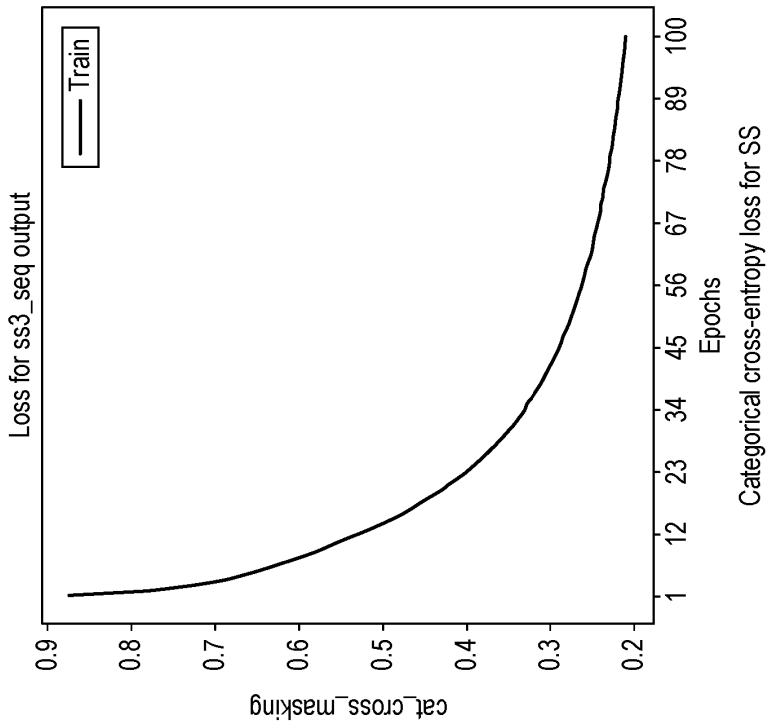


FIG. 17(d)

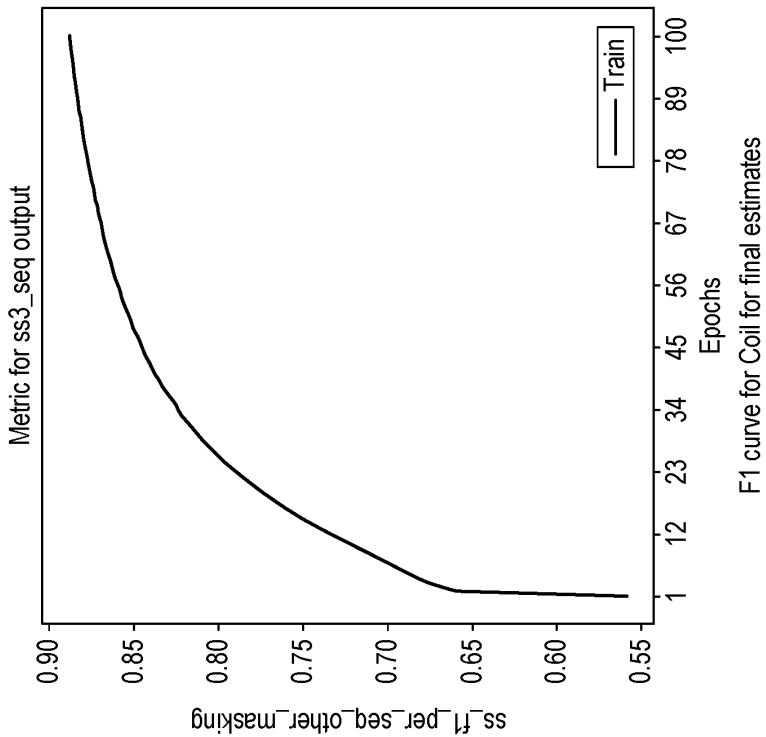


FIG. 17(c)

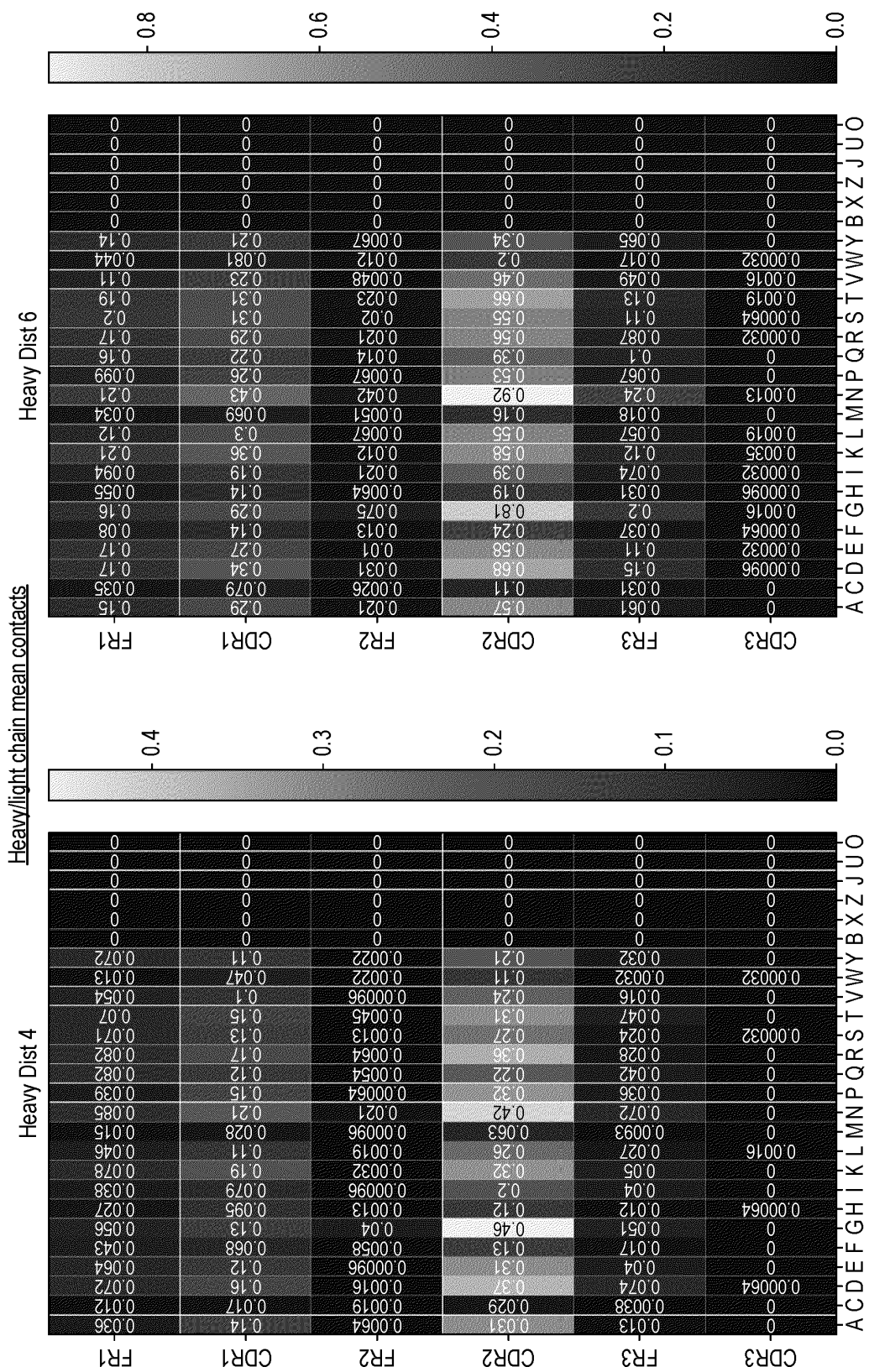


FIG. 18(a)

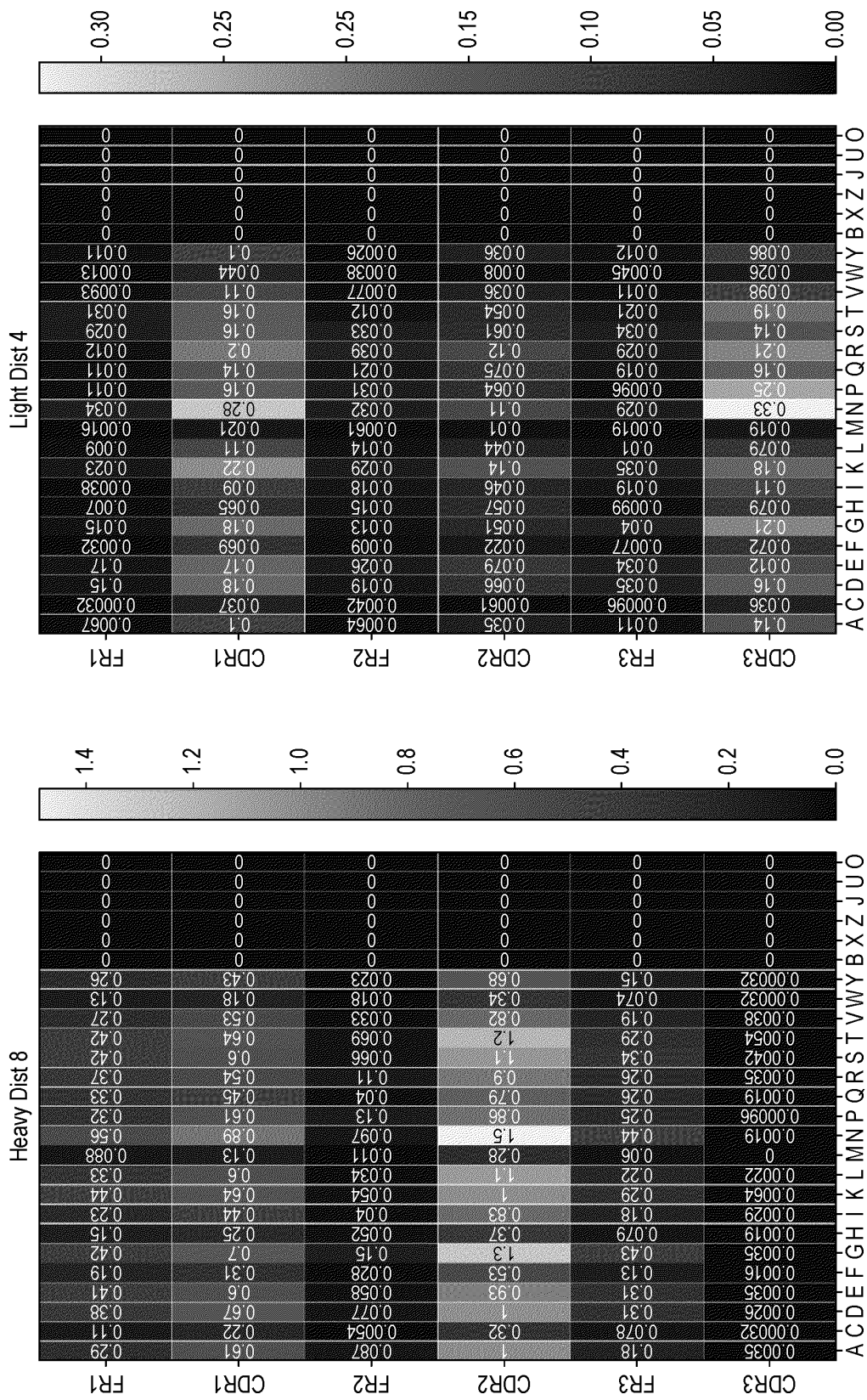


FIG. 18(a) Cont'd

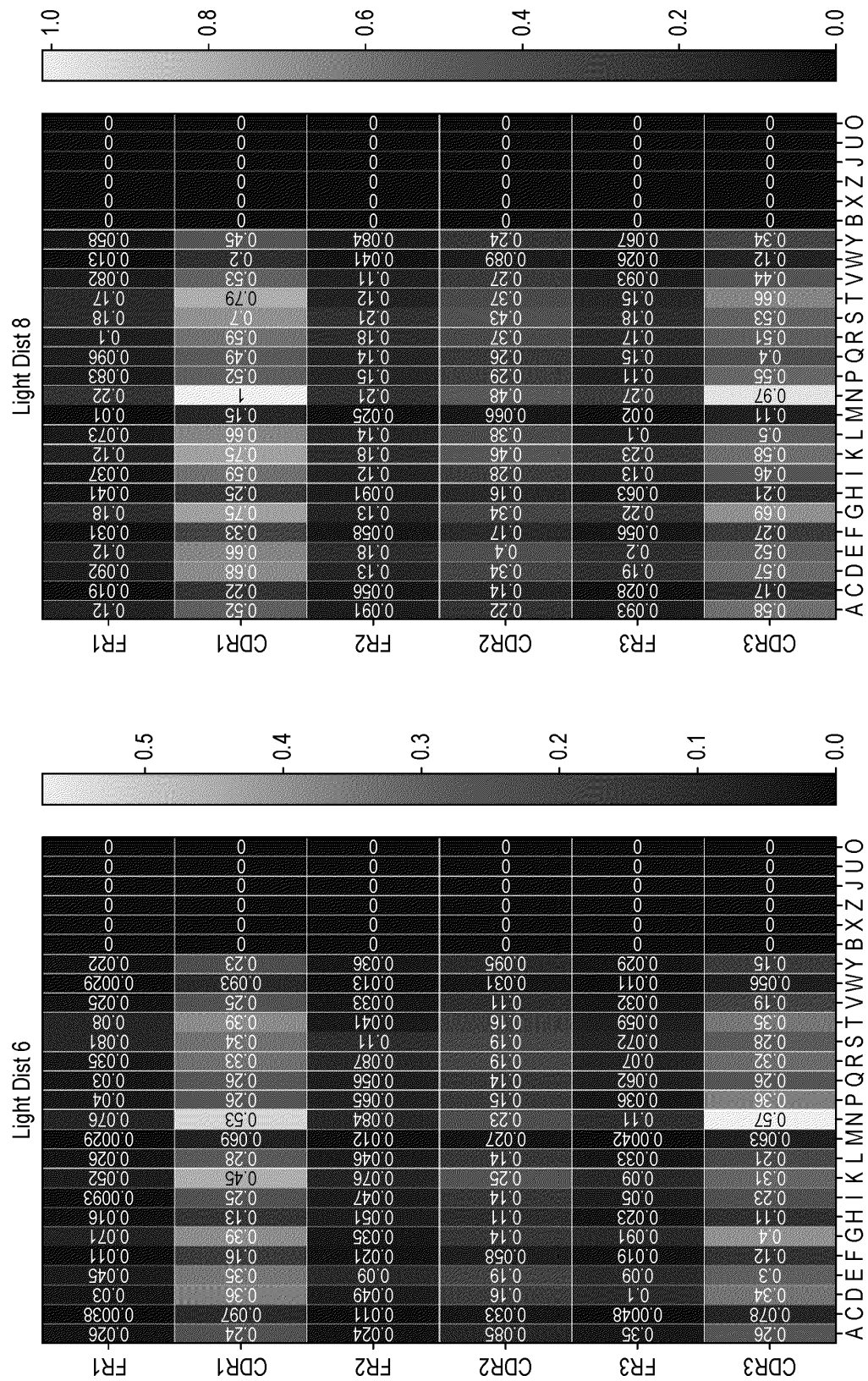


FIG. 18(a) Cont'd

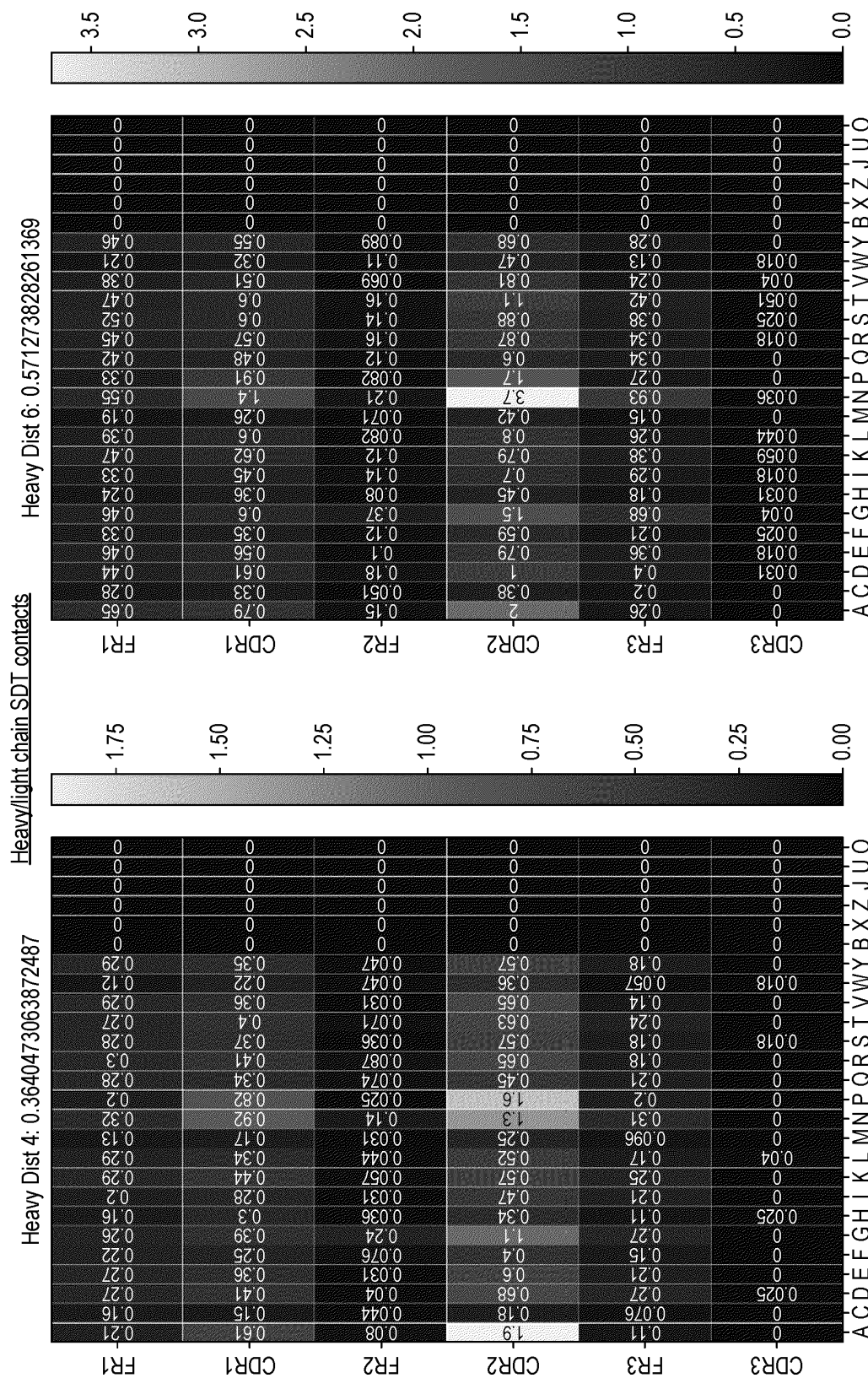


FIG. 18(b)

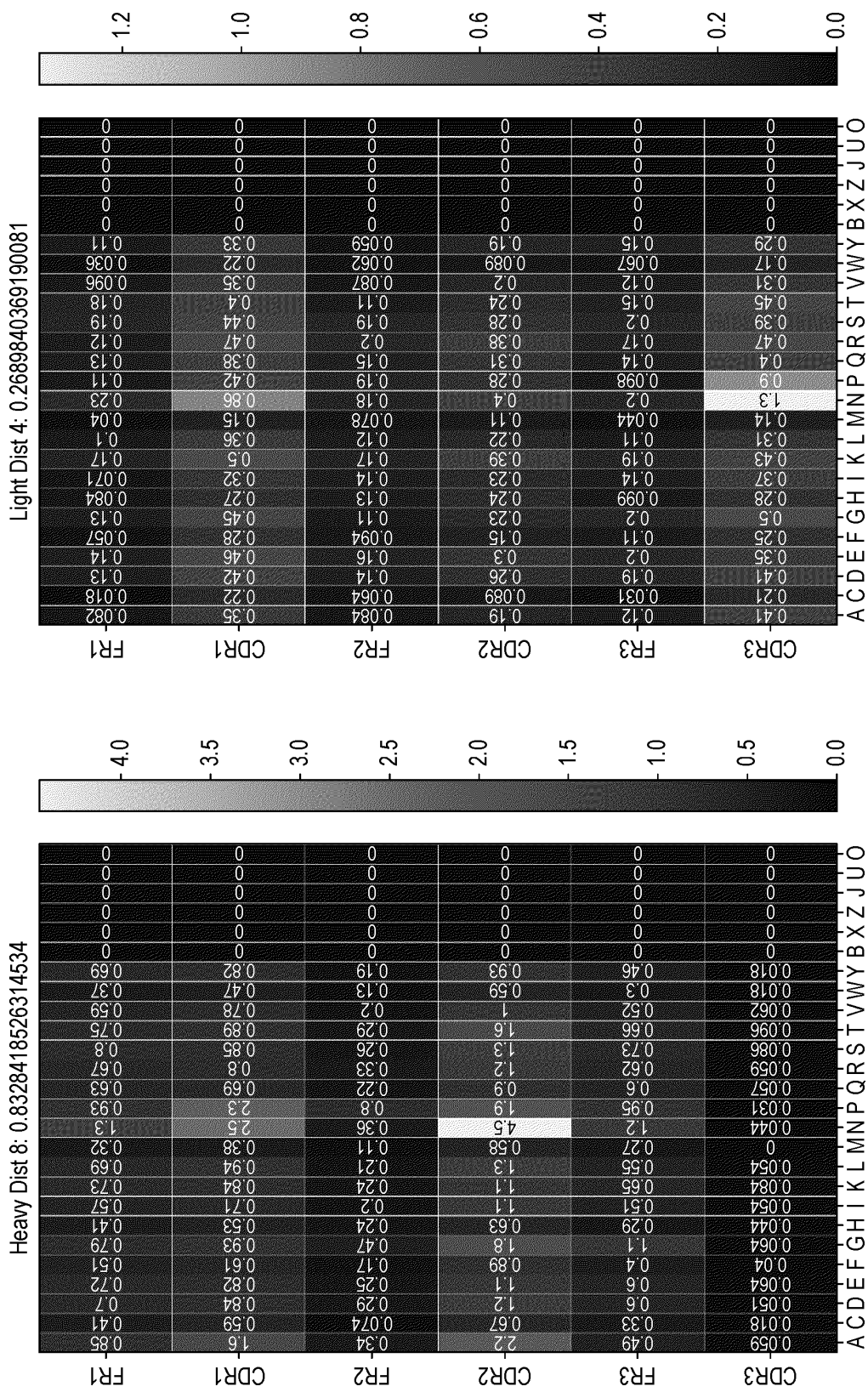


FIG. 18(b) Cont'd

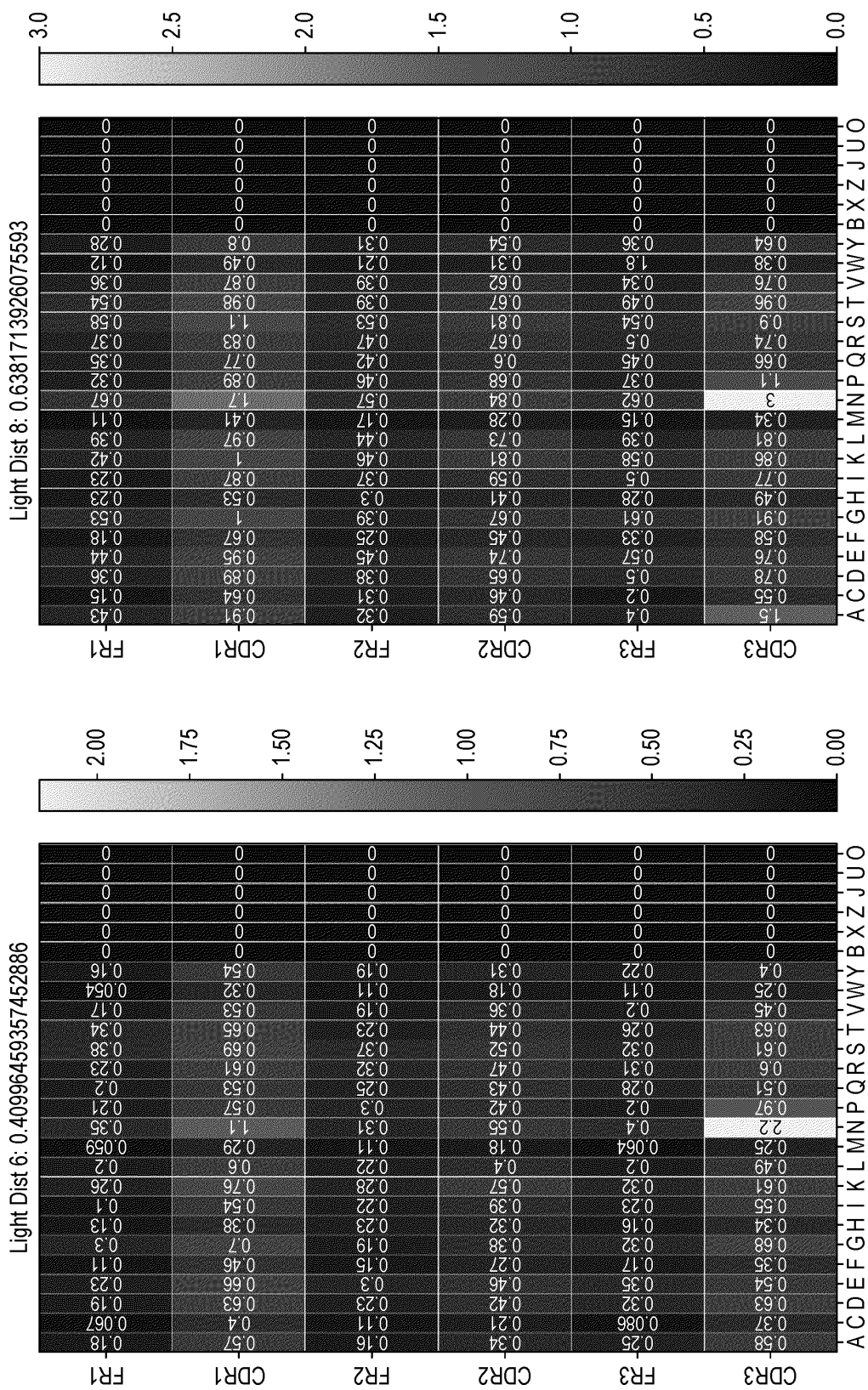
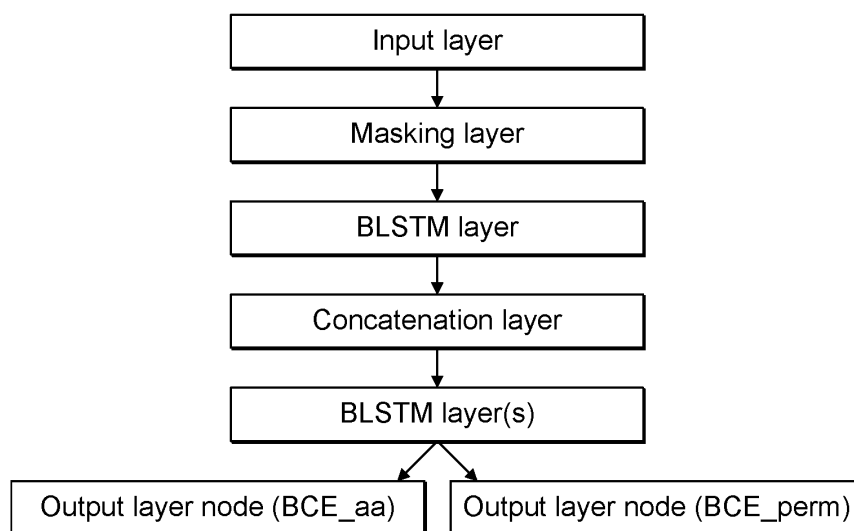
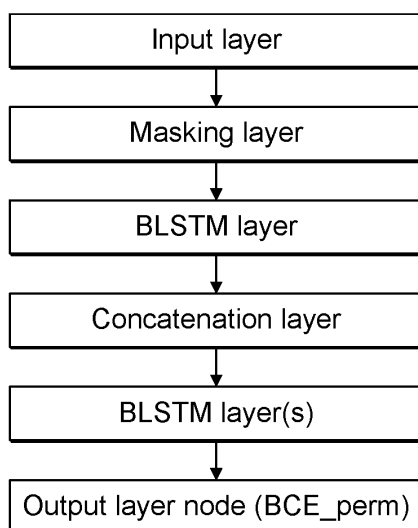


FIG. 18(b) Cont'd

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

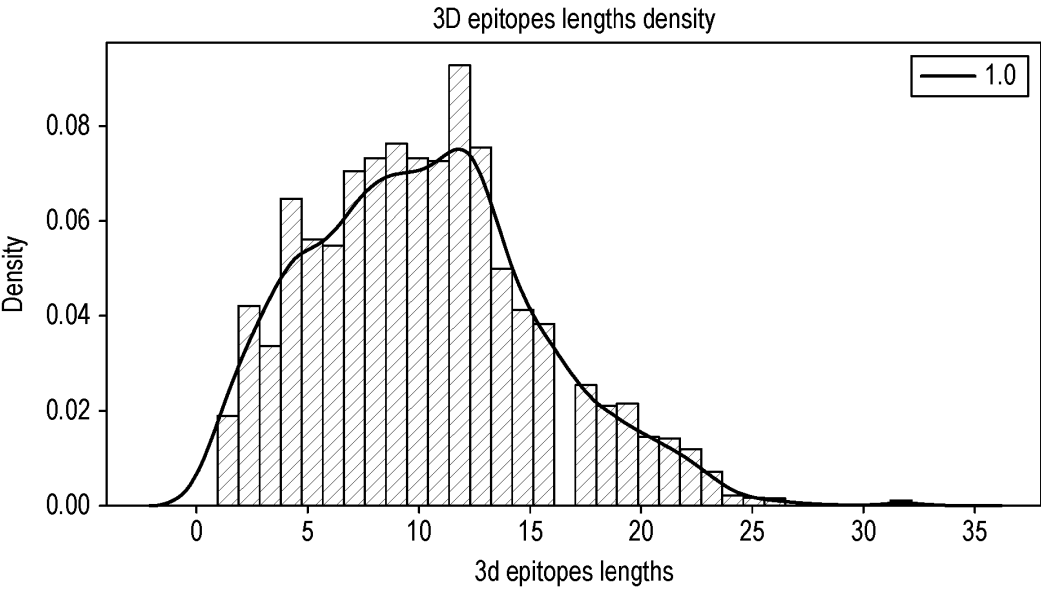


FIG. 20(a)

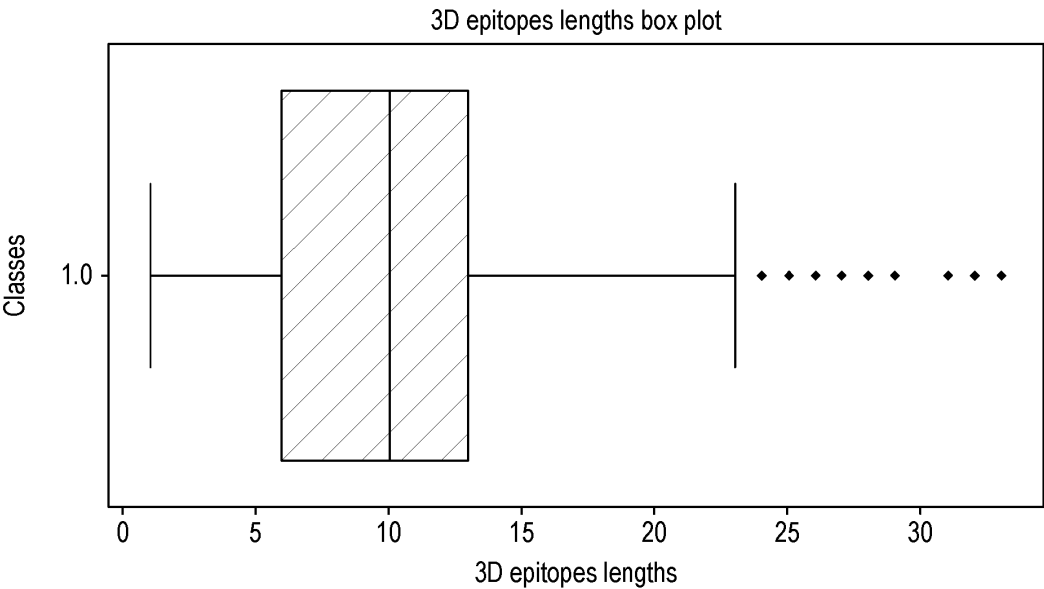


FIG. 20(b)

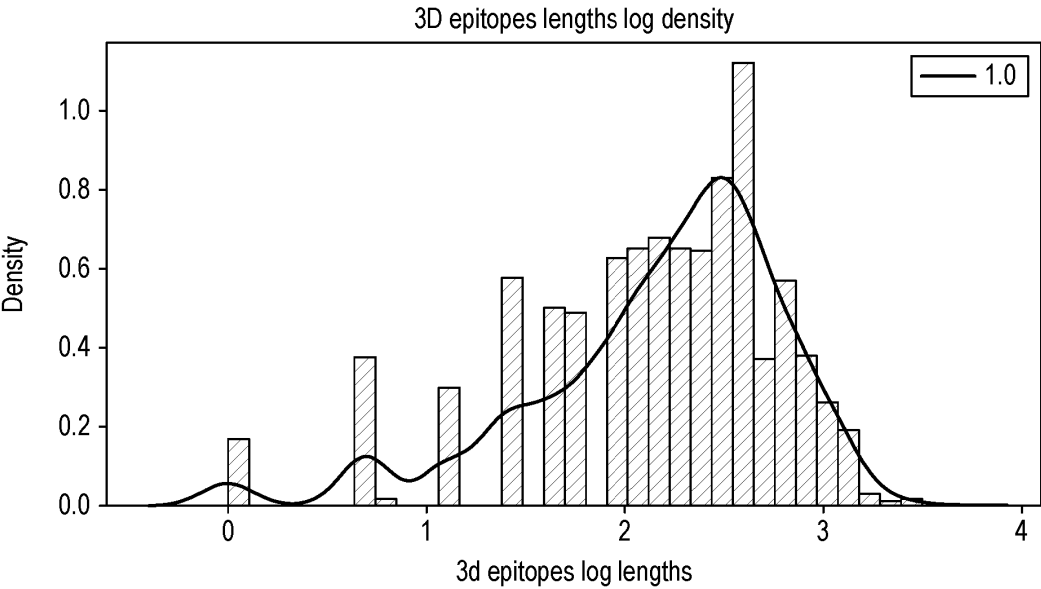


FIG. 20(c)

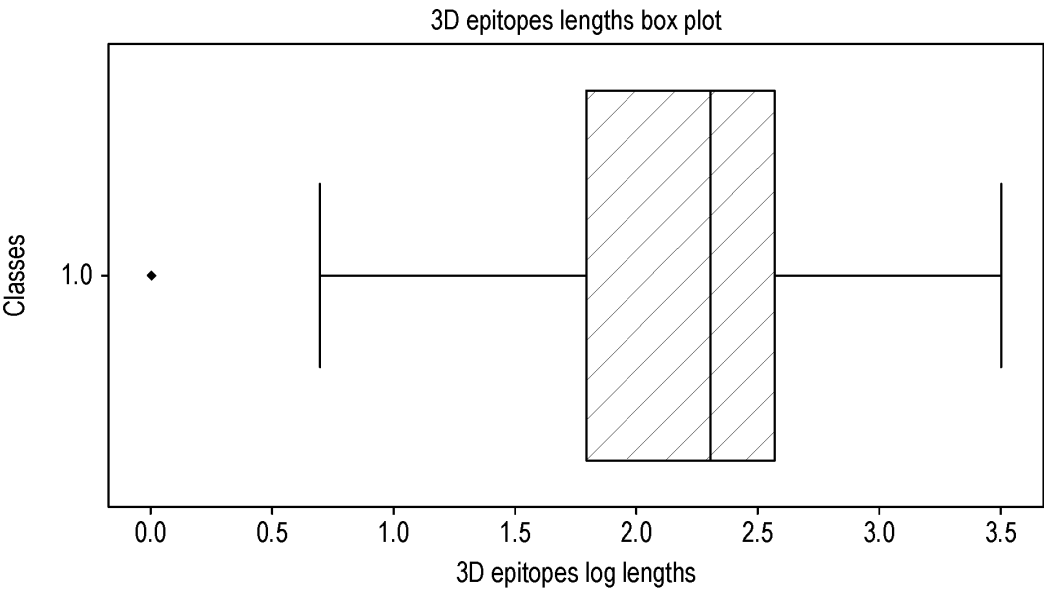


FIG. 20(d)

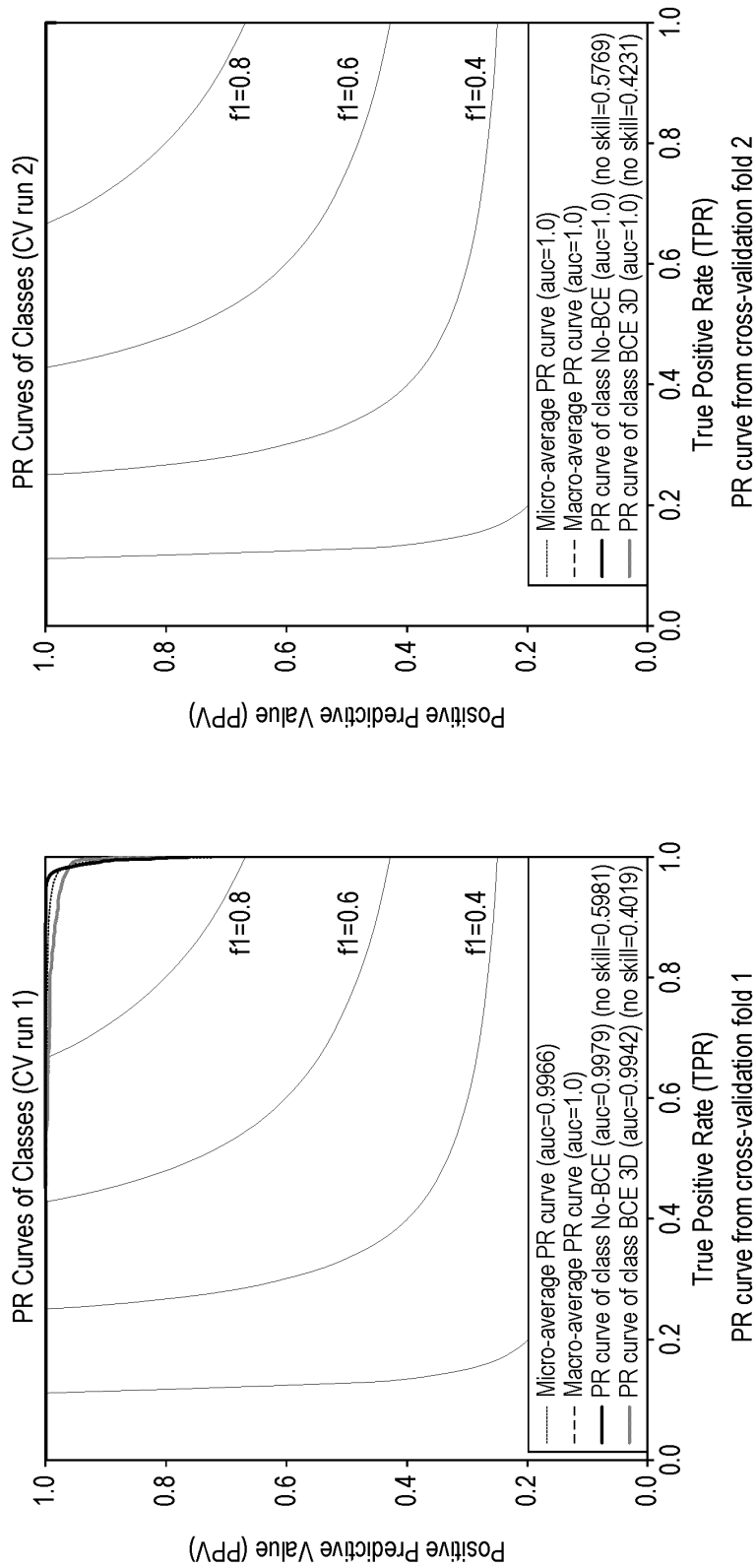


FIG. 21(a)

FIG. 21(b)

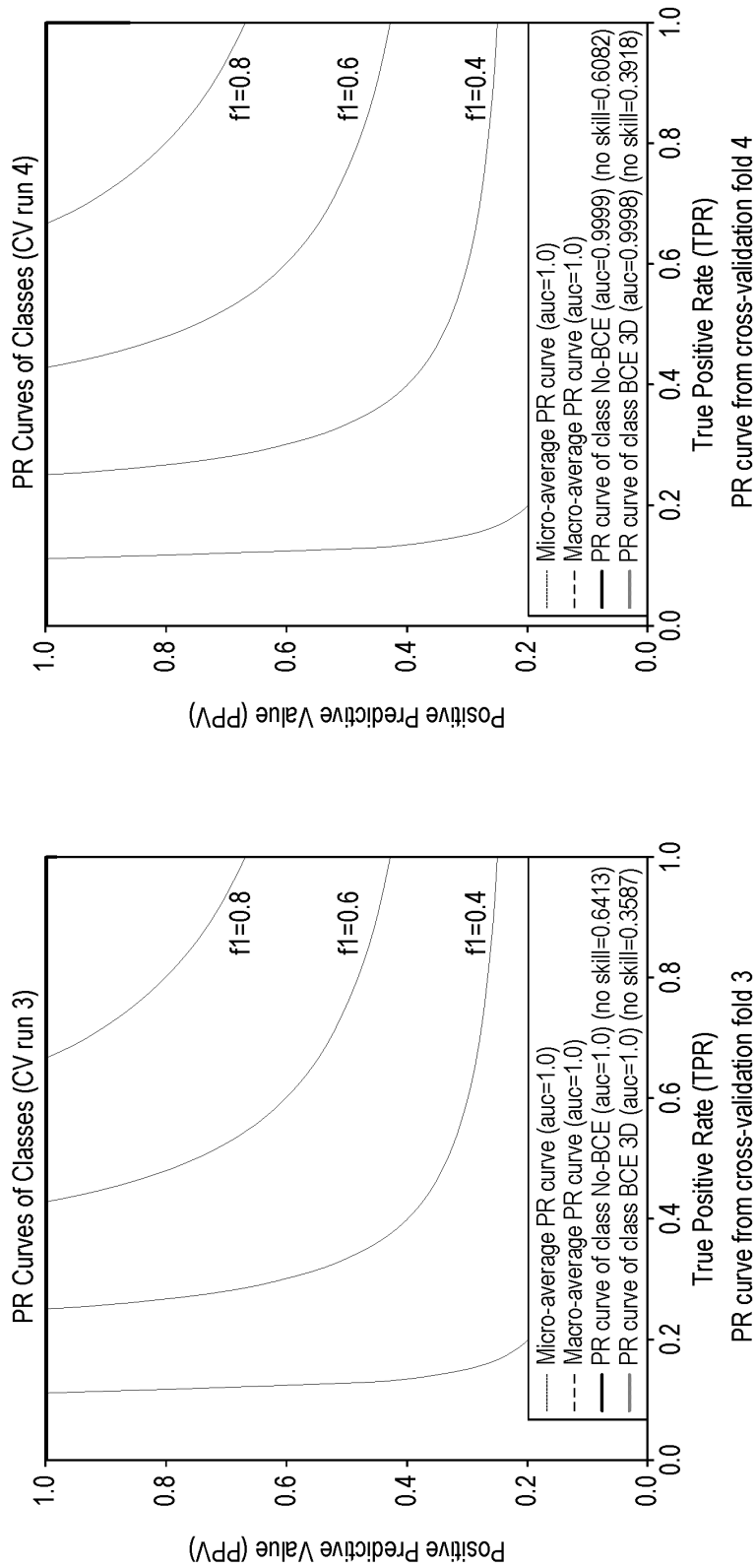
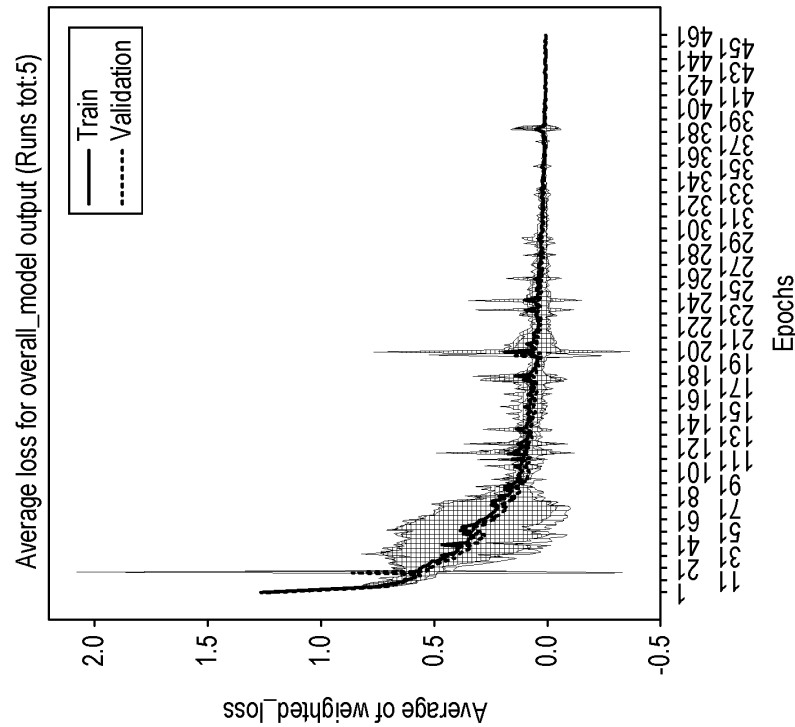


FIG. 21(c)

FIG. 21(d)



Overall model loss from all CV folds

FIG. 21(f)

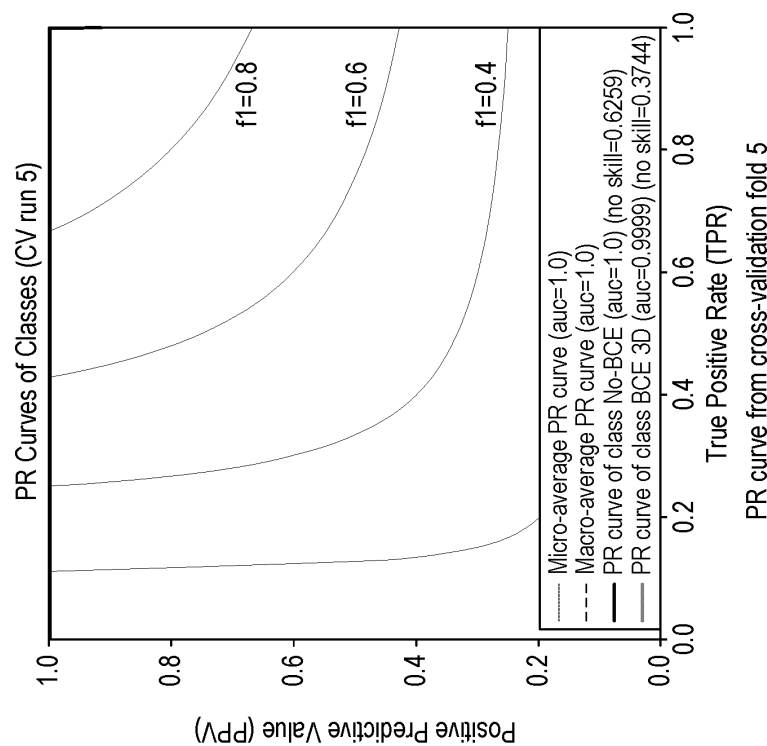


FIG. 21(e)

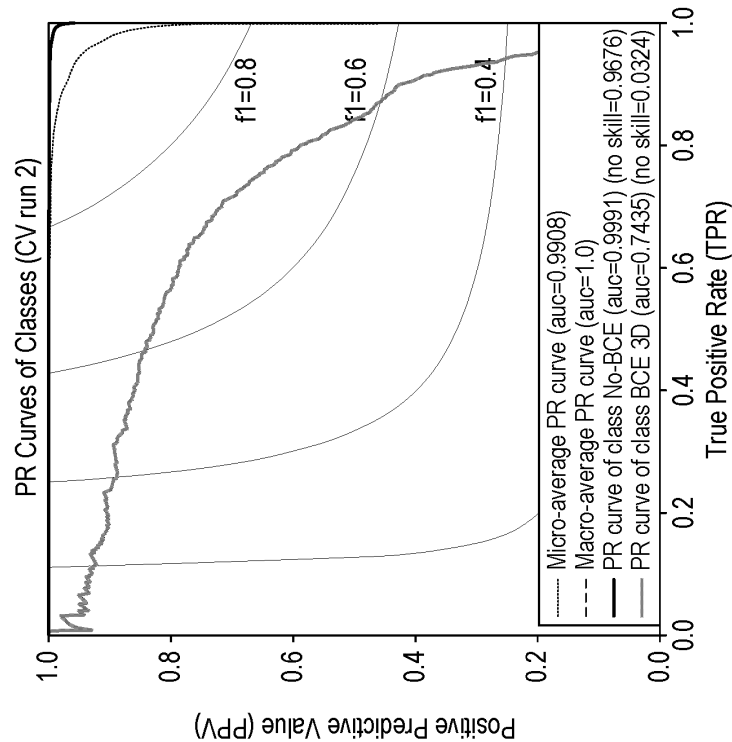


FIG. 22(b)

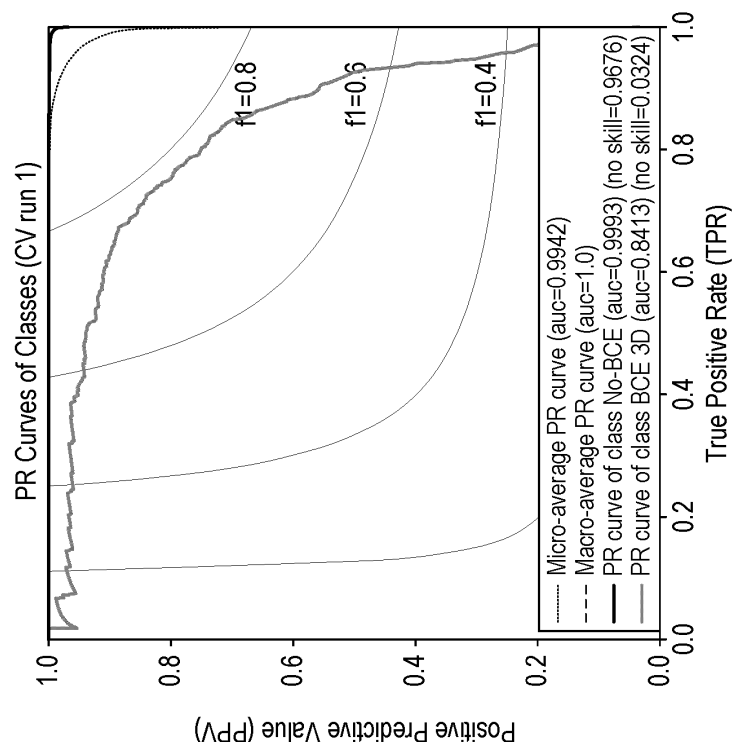


FIG. 22(a)

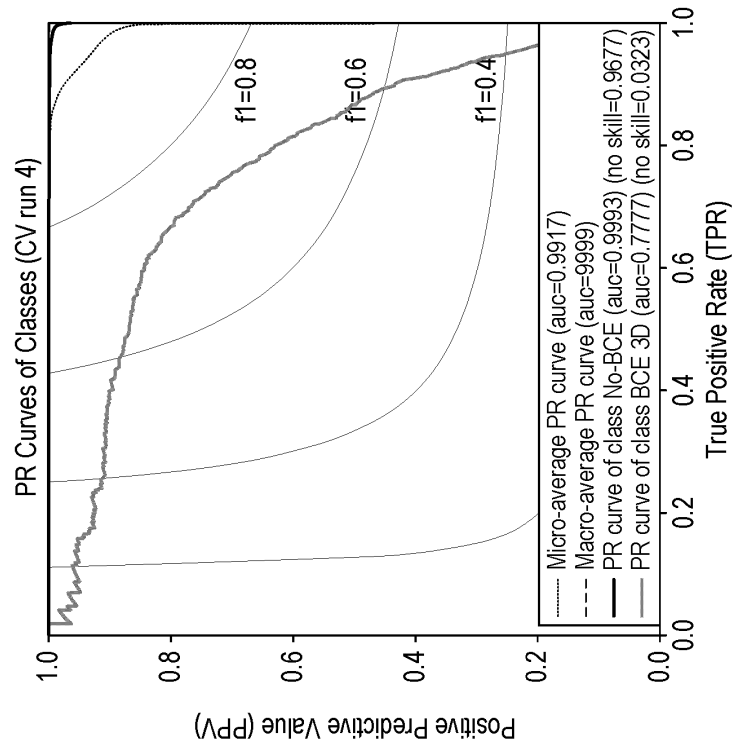


FIG. 22(d)

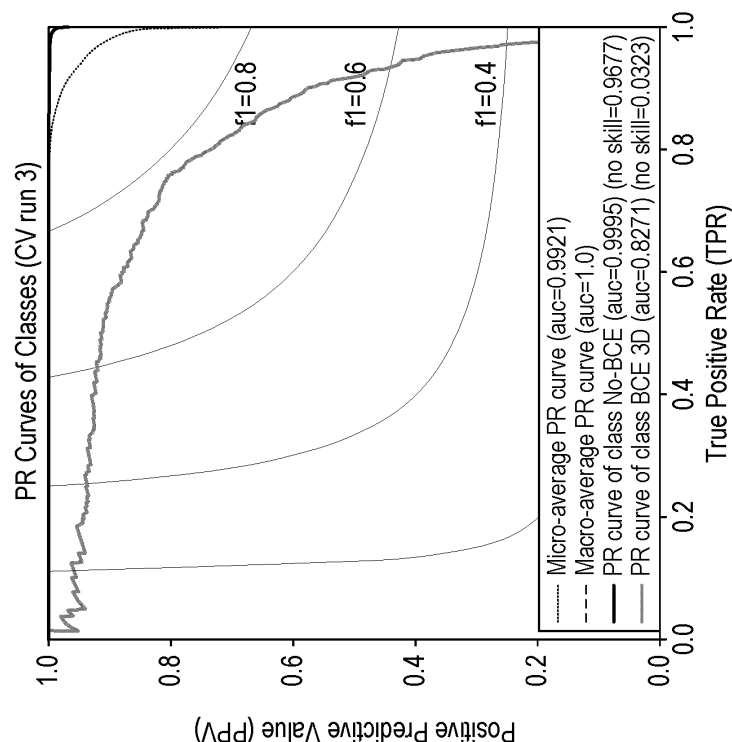


FIG. 22(c)

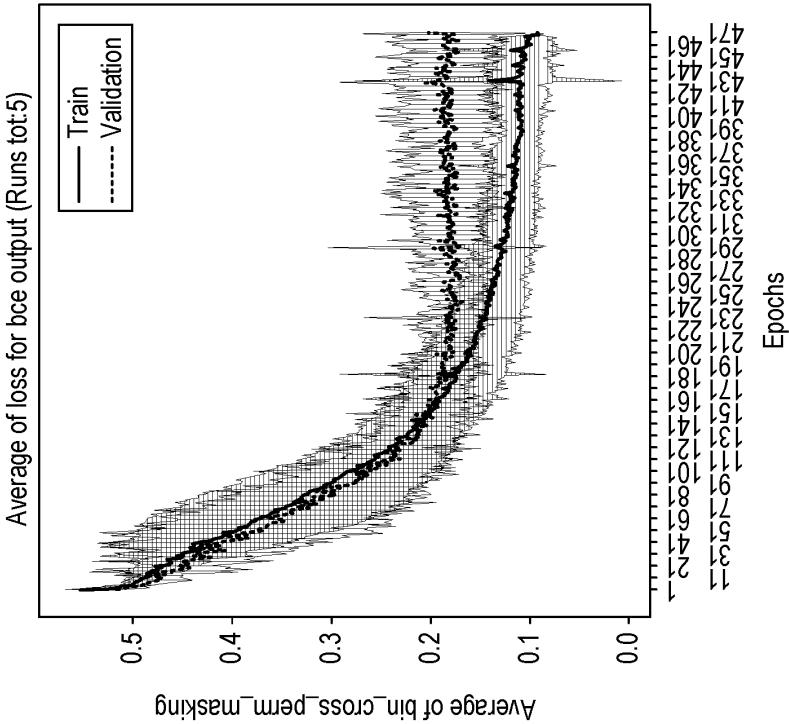


FIG. 22(f)

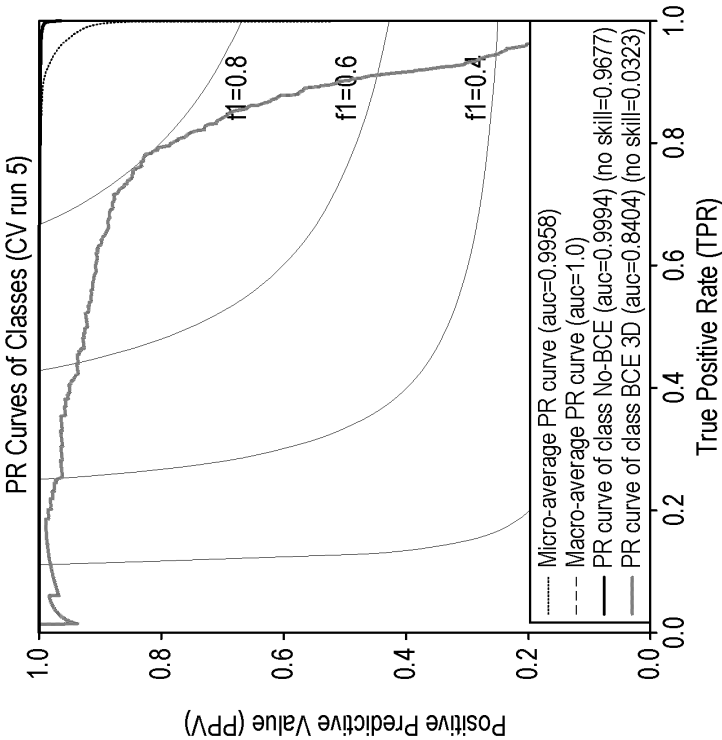
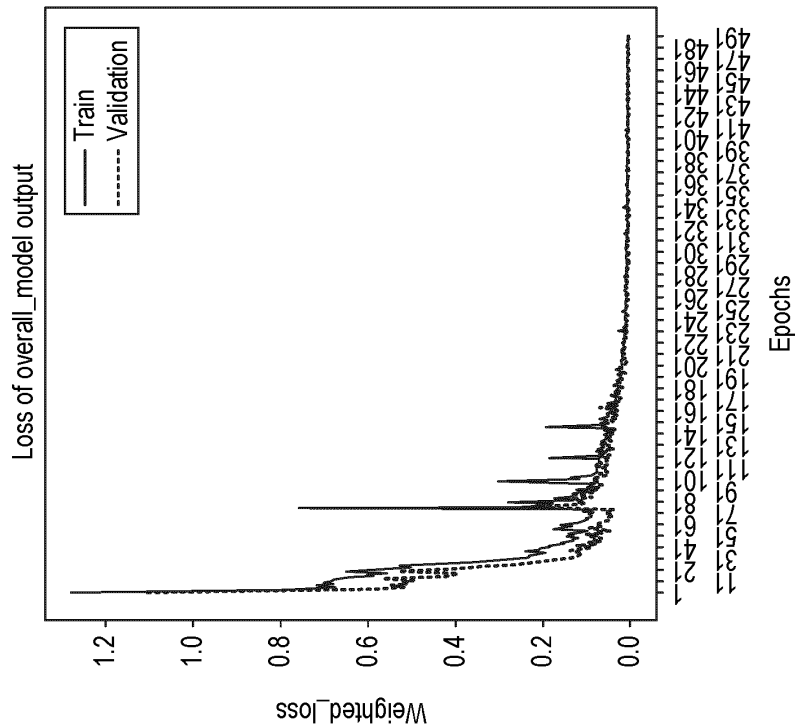
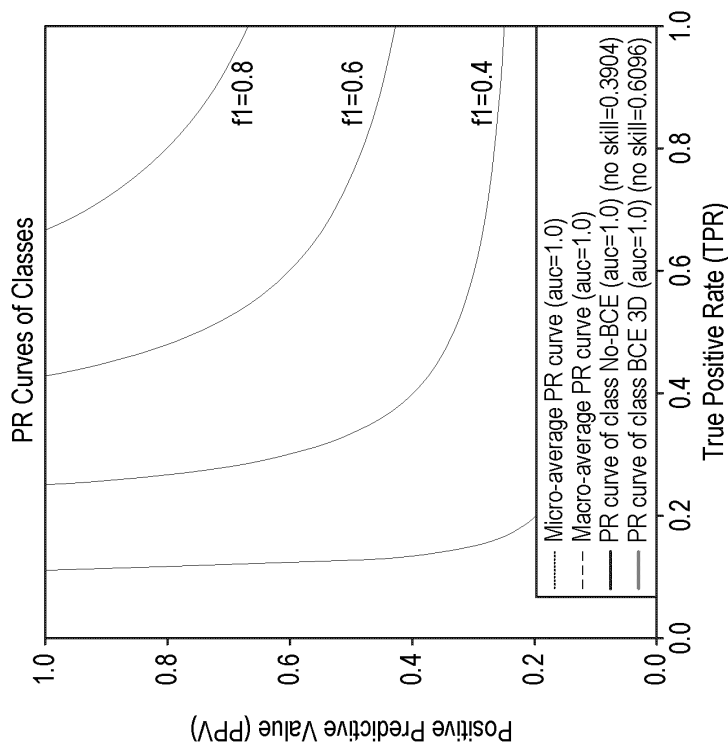


FIG. 22(e)



Overall model loss for test set

FIG. 23(b)



PR curve from test set

FIG. 23(a)

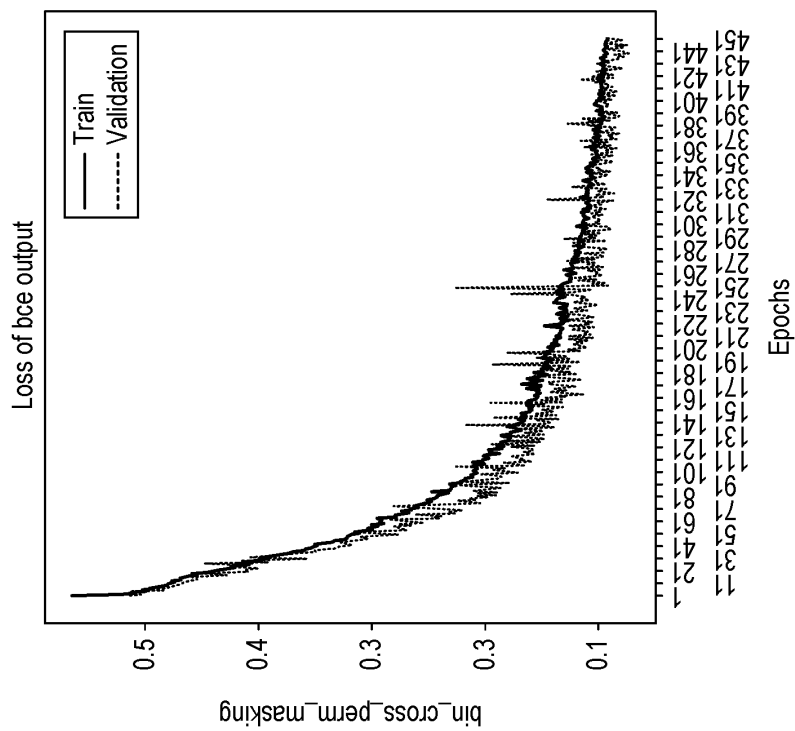


FIG. 24(b)

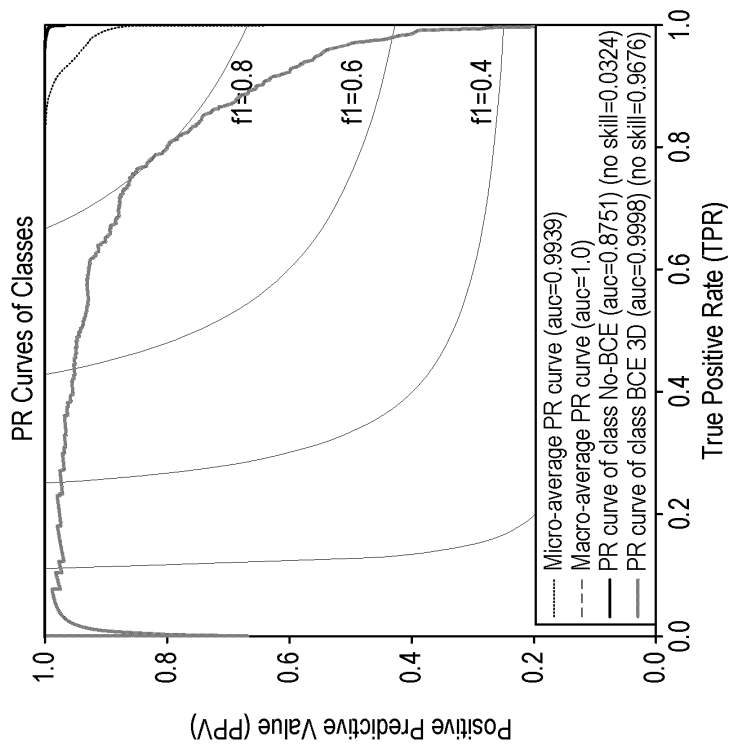
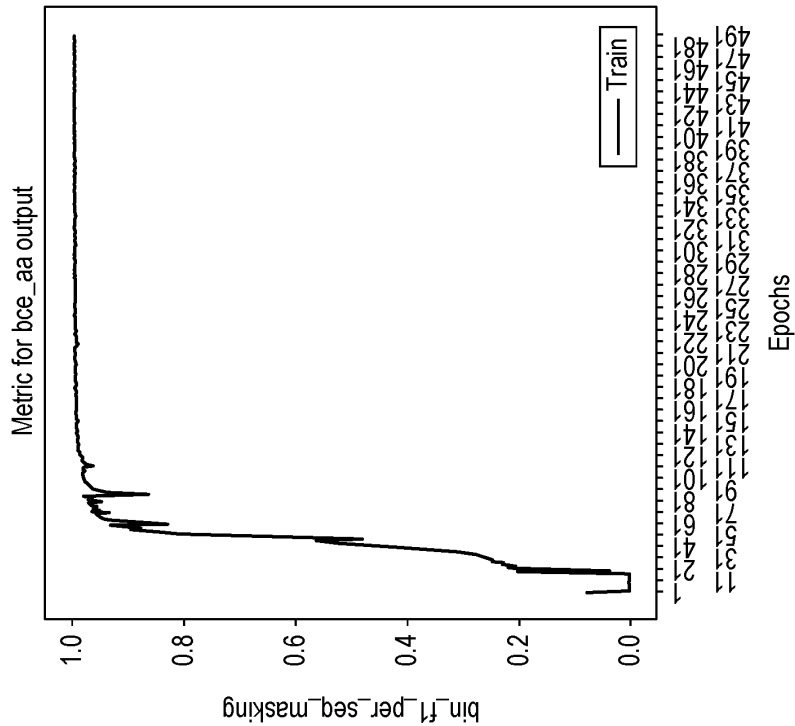
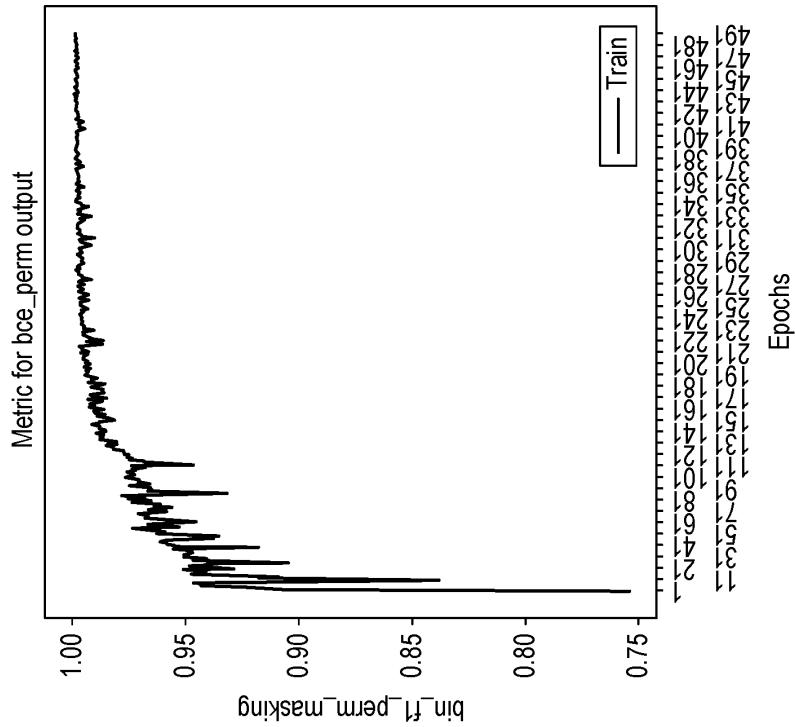


FIG. 24(a)



F1 curve for bce_aa for final estimates

FIG. 25(b)



F1 curve for bce_perm for final estimates

FIG. 25(a)

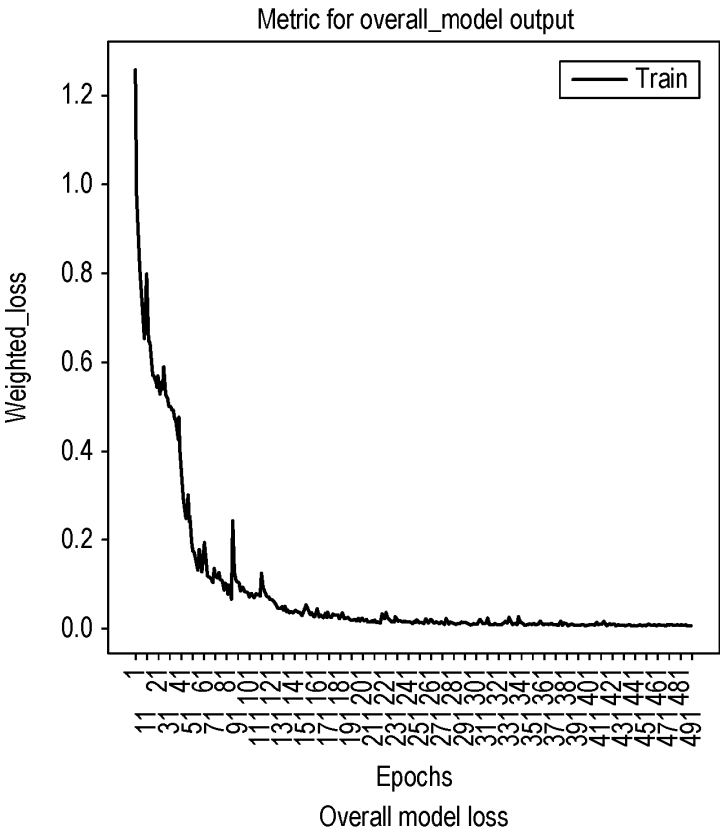


FIG. 25(c)

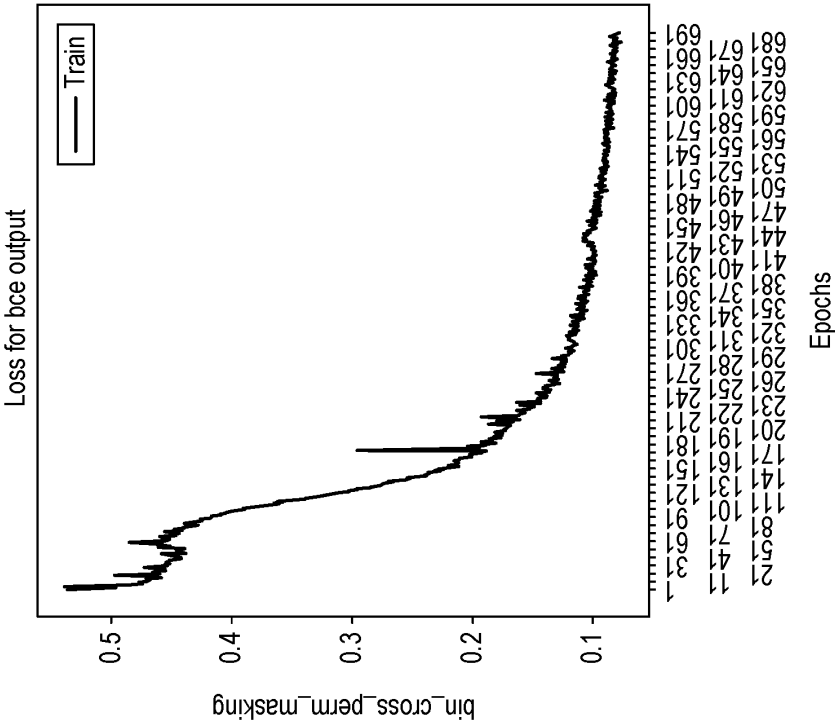


FIG. 26(b)

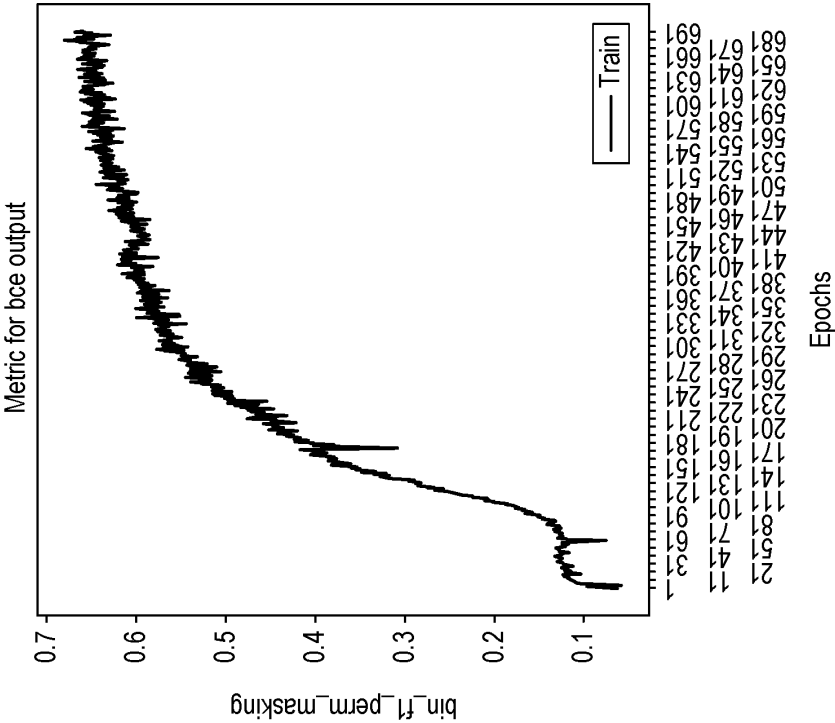


FIG. 26(a)

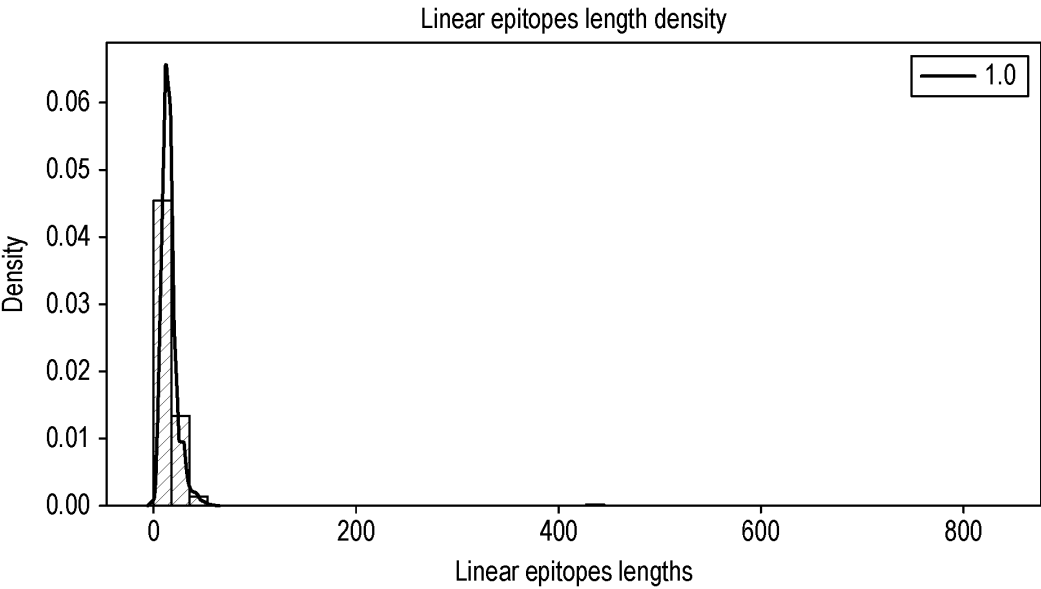


FIG. 27(a)

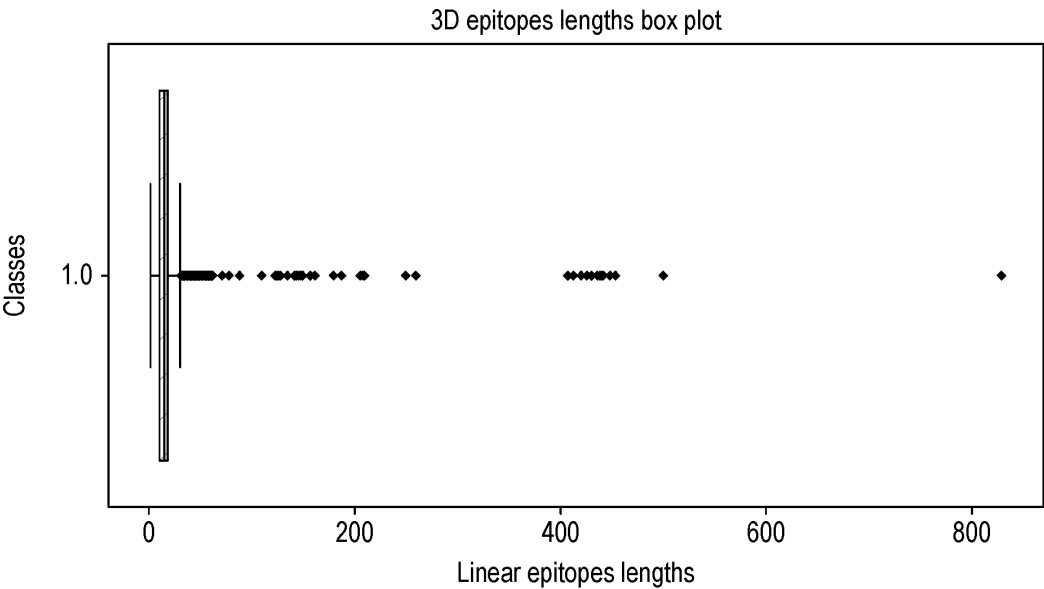


FIG. 27(b)

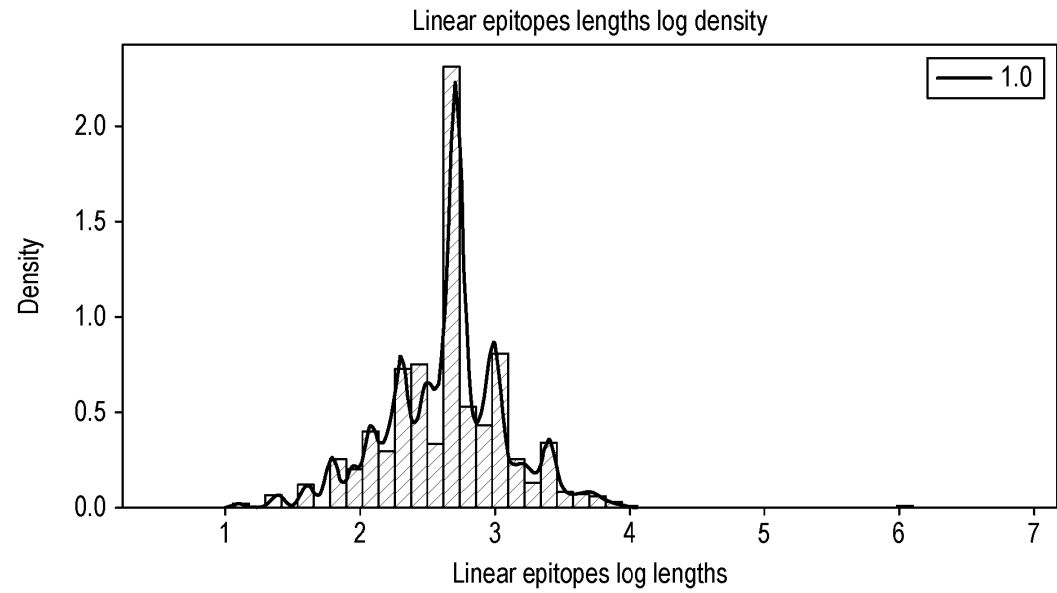


FIG. 27(c)

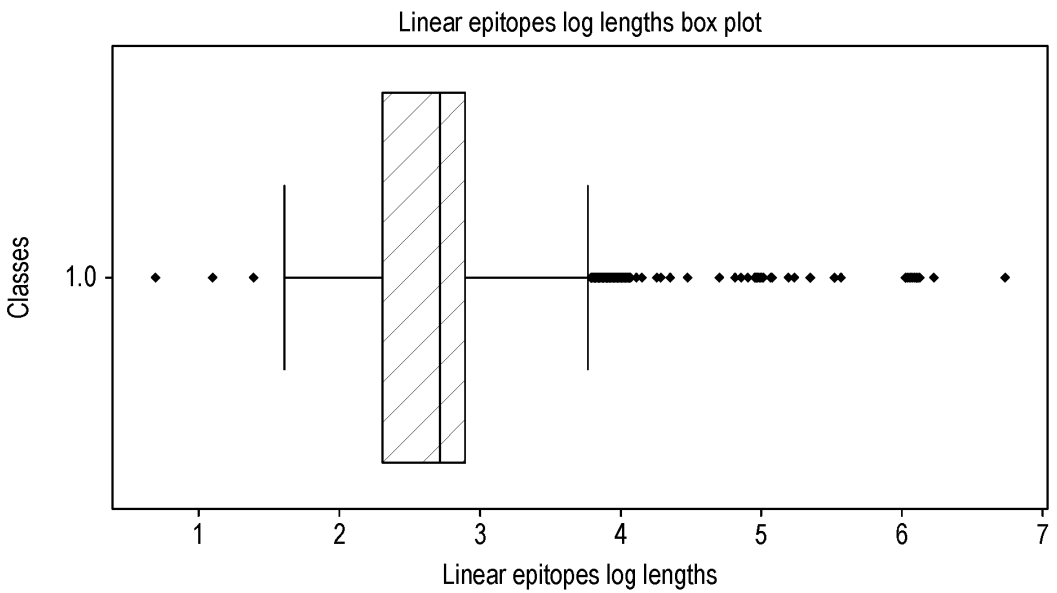
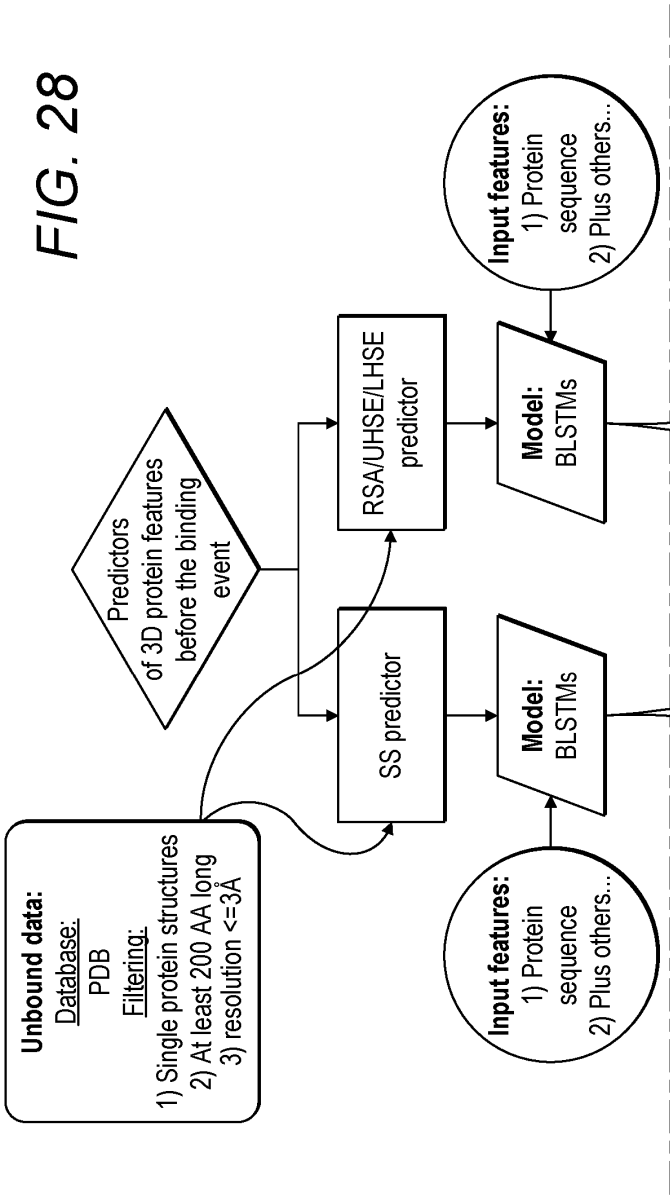


FIG. 27(d)

FIG. 28



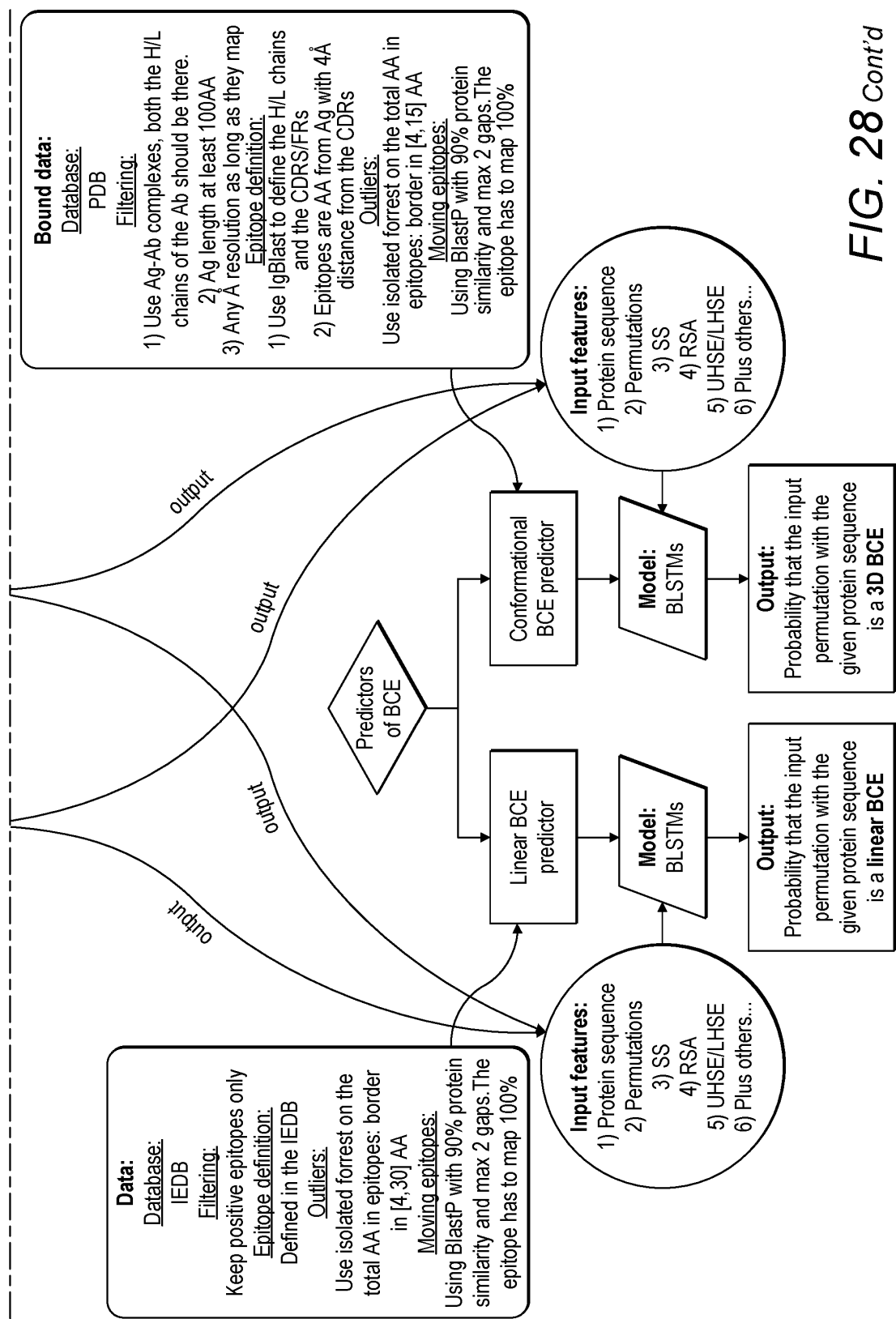


FIG. 28 Cont'd

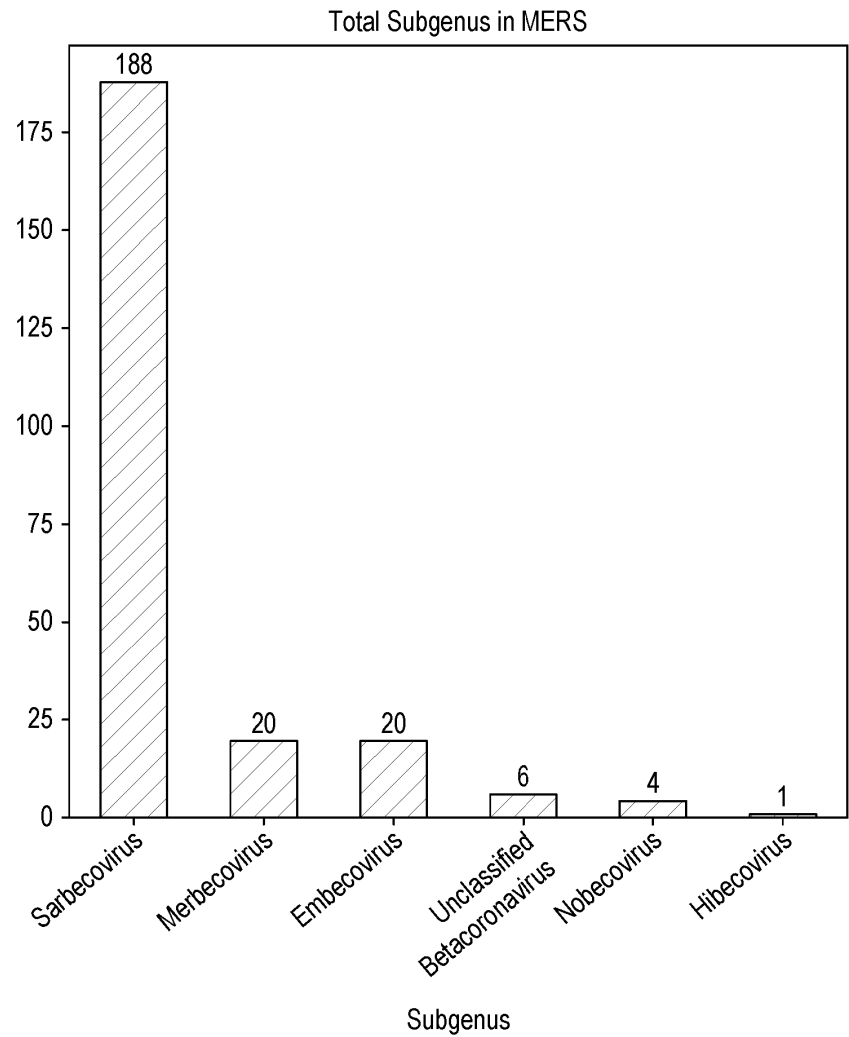


FIG. 29(a)

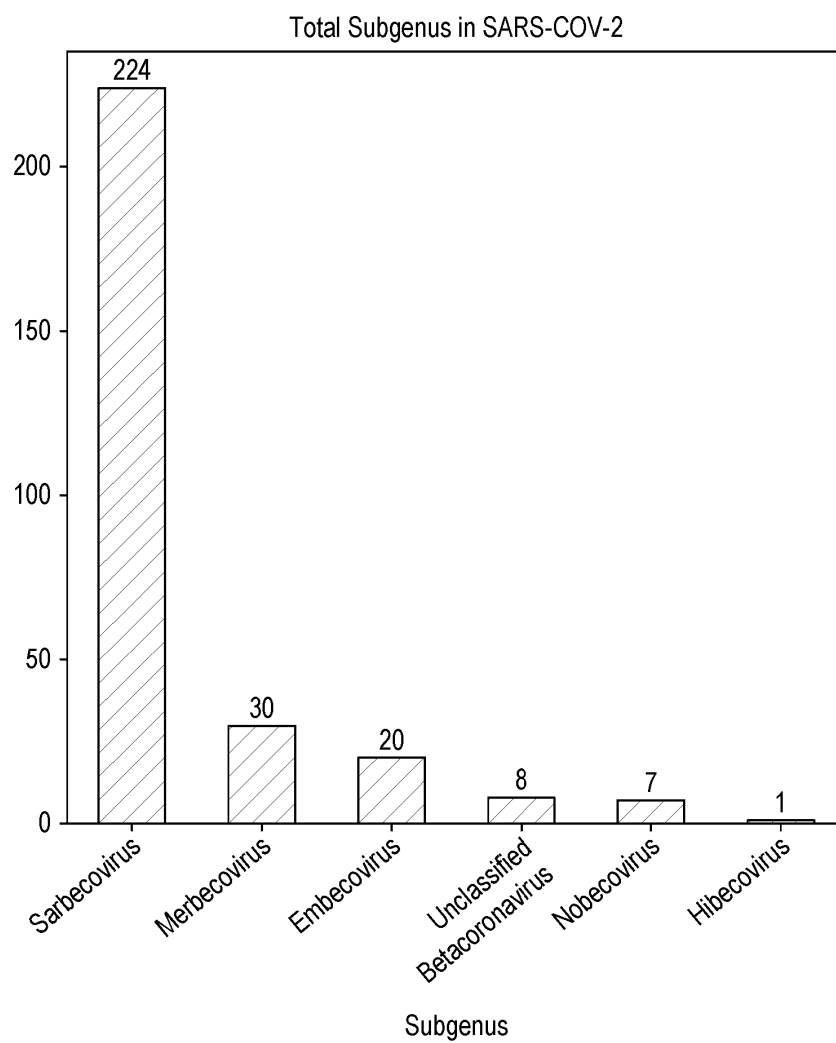


FIG. 29(b)

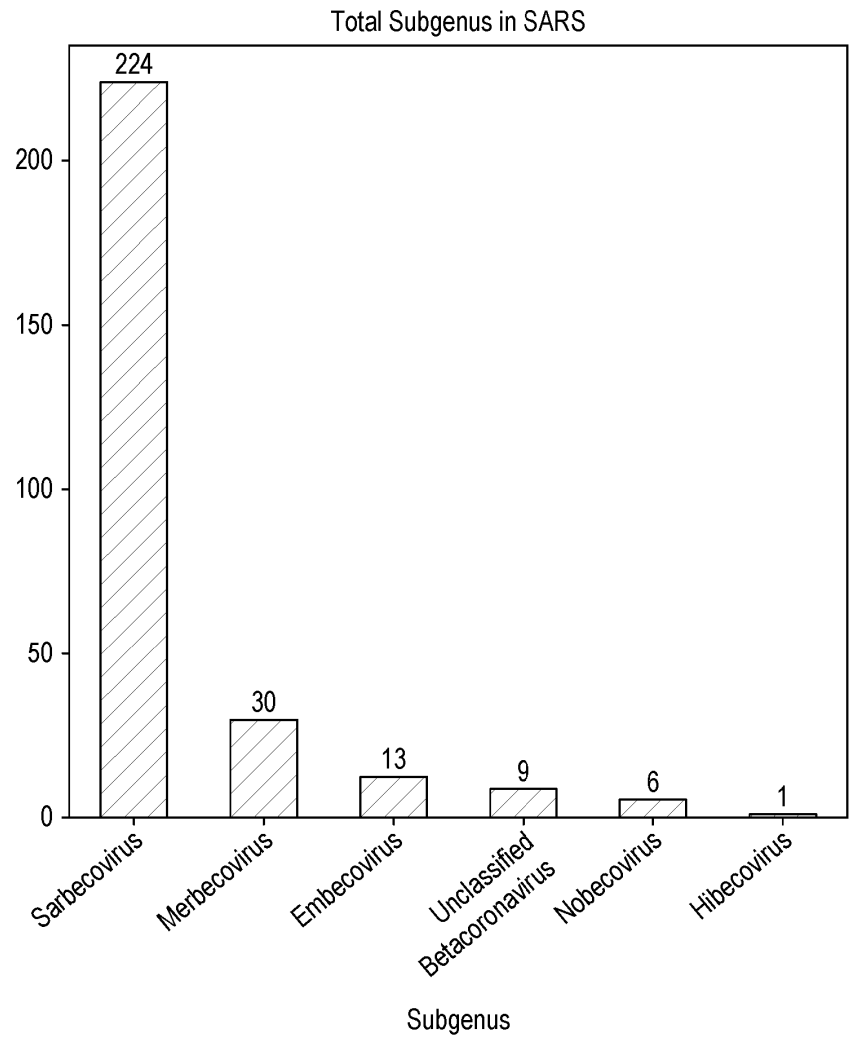
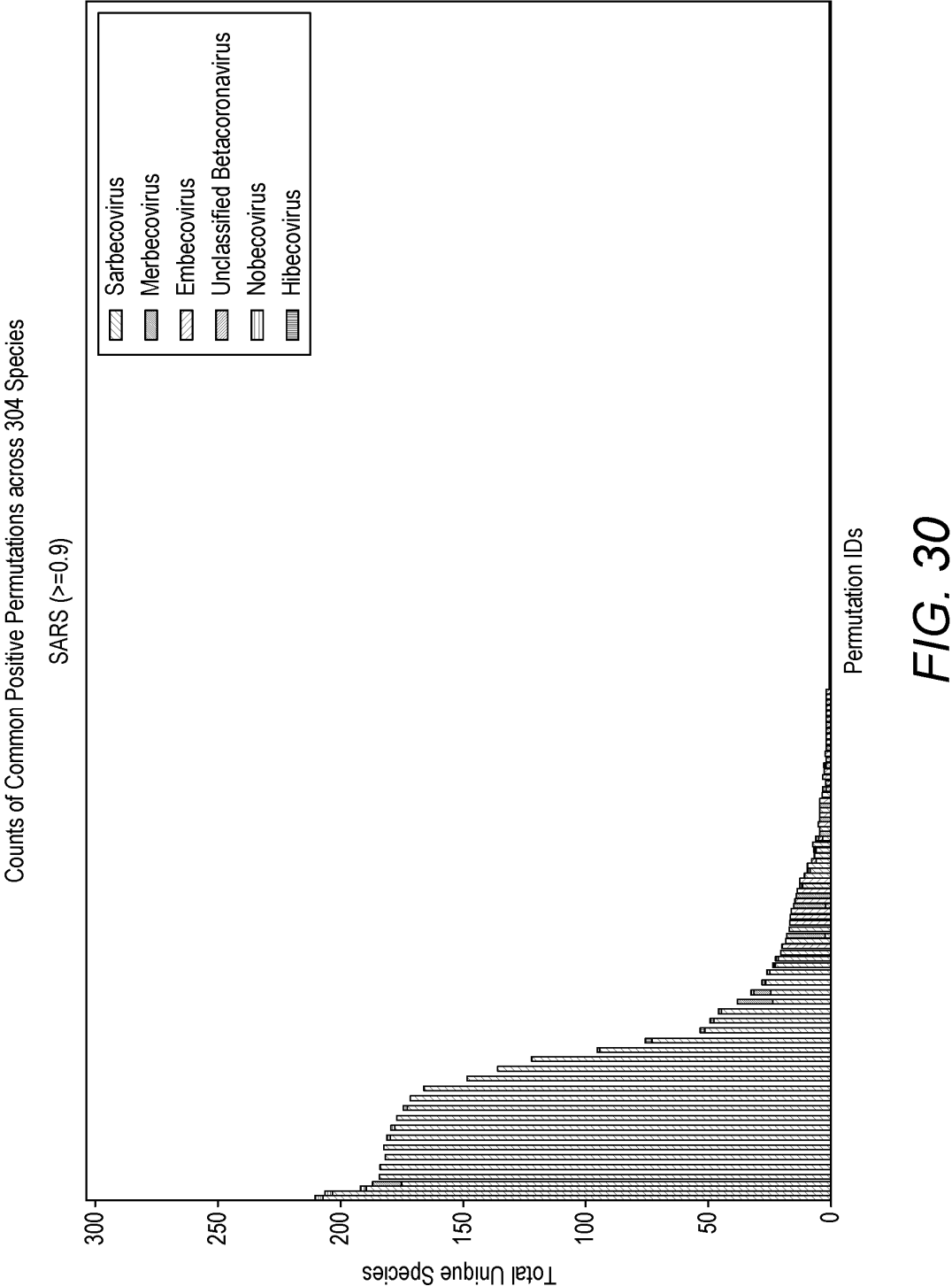
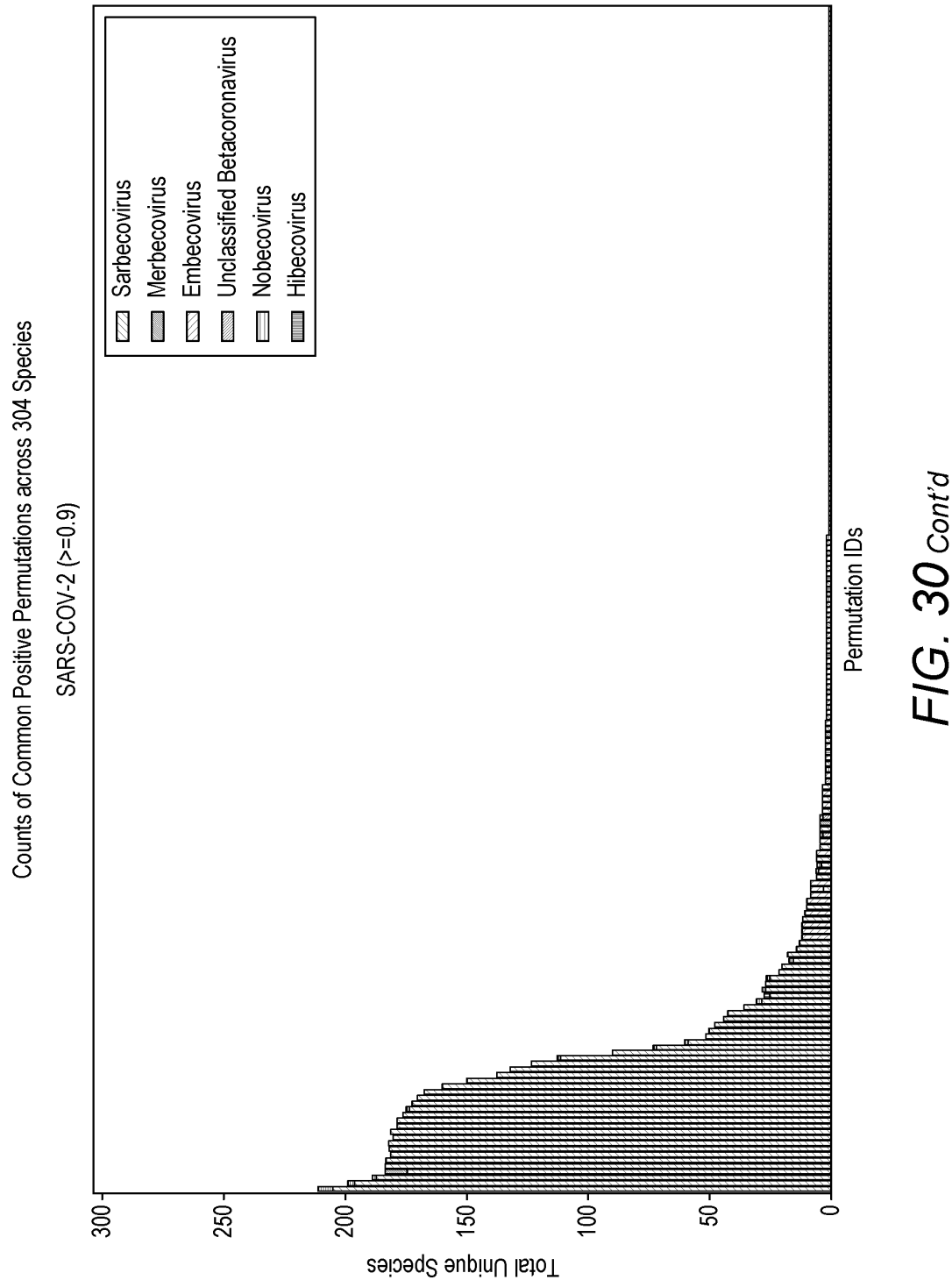


FIG. 29(c)





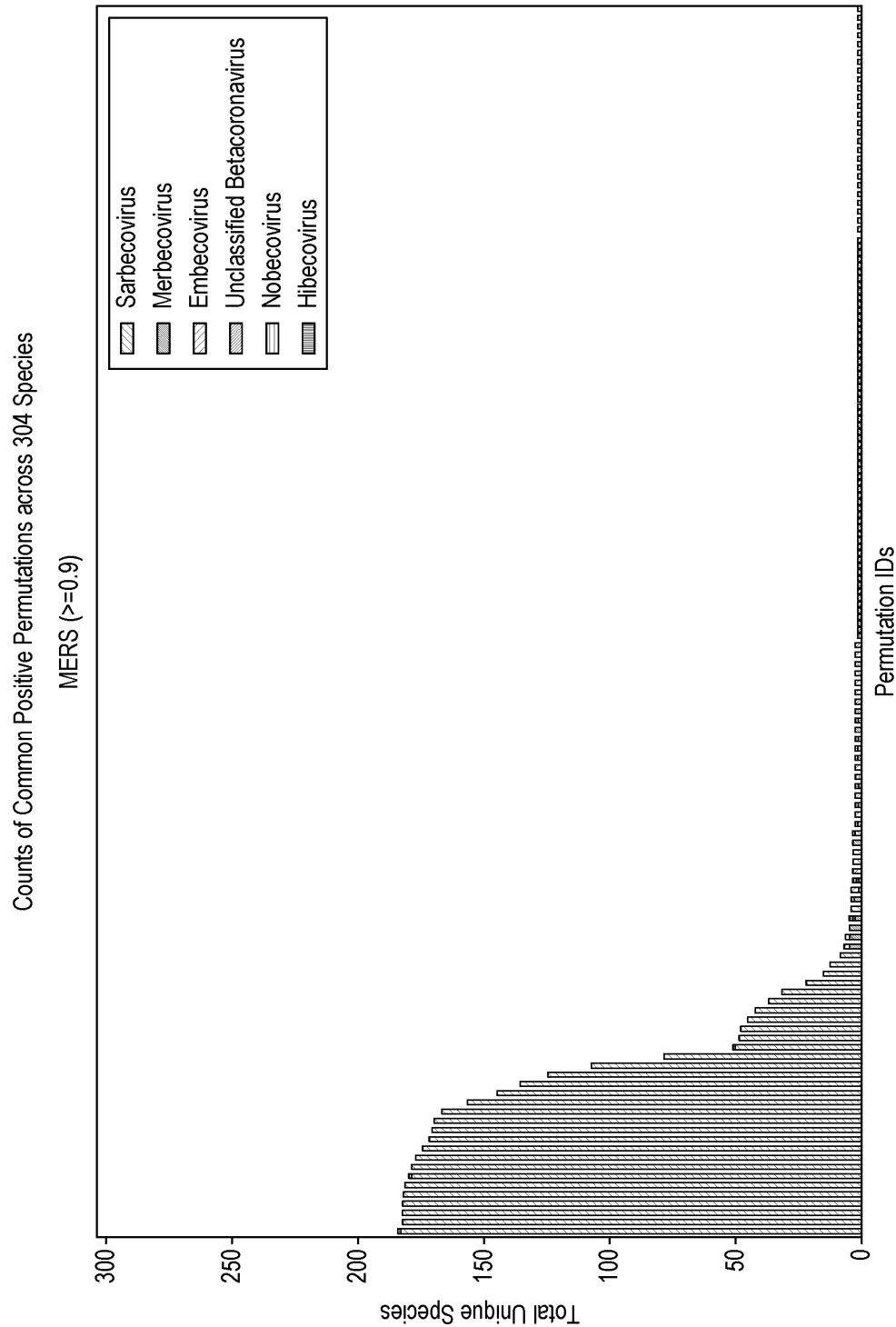


FIG. 30 Cont'd

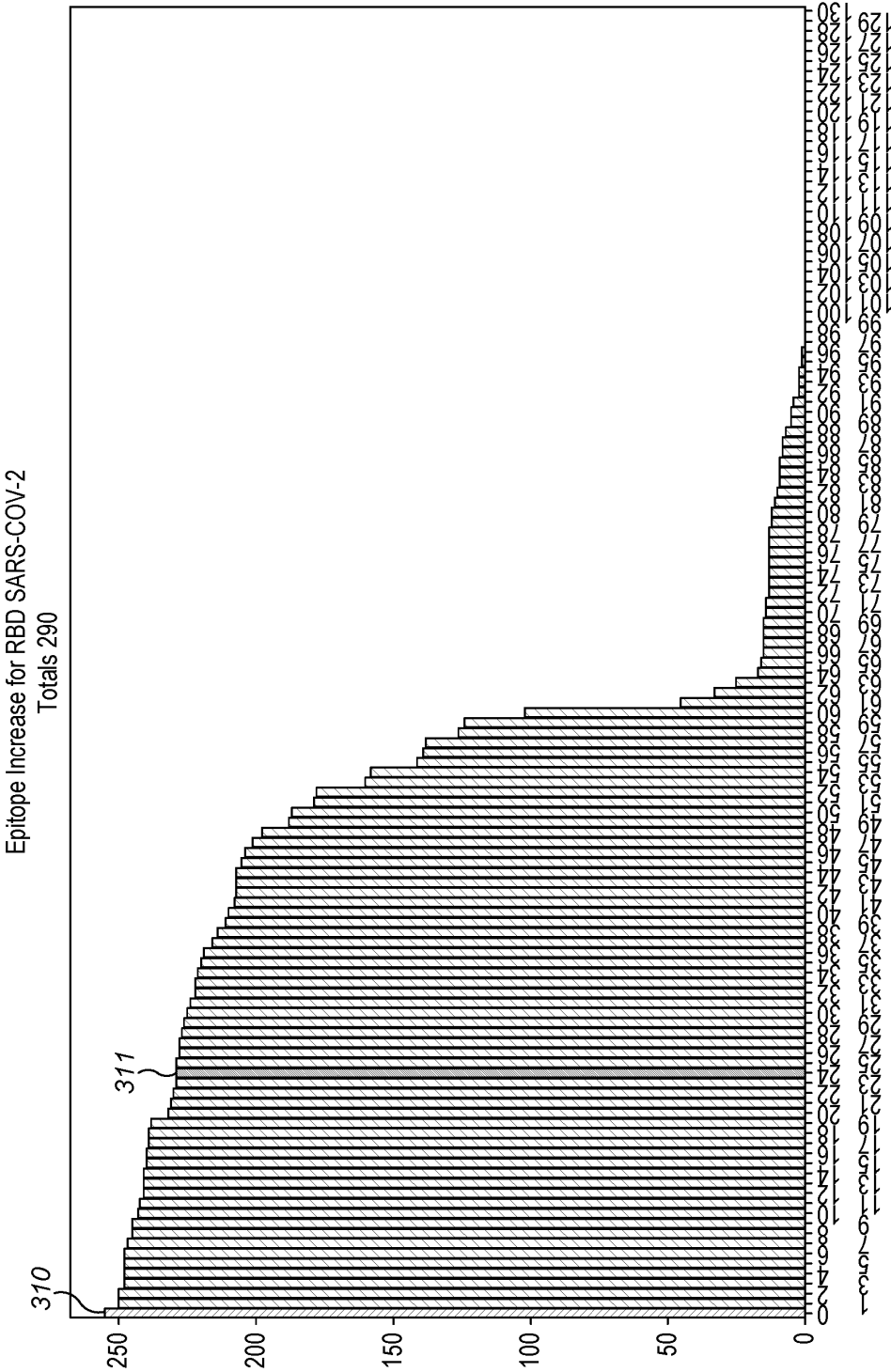


FIG. 31(a)

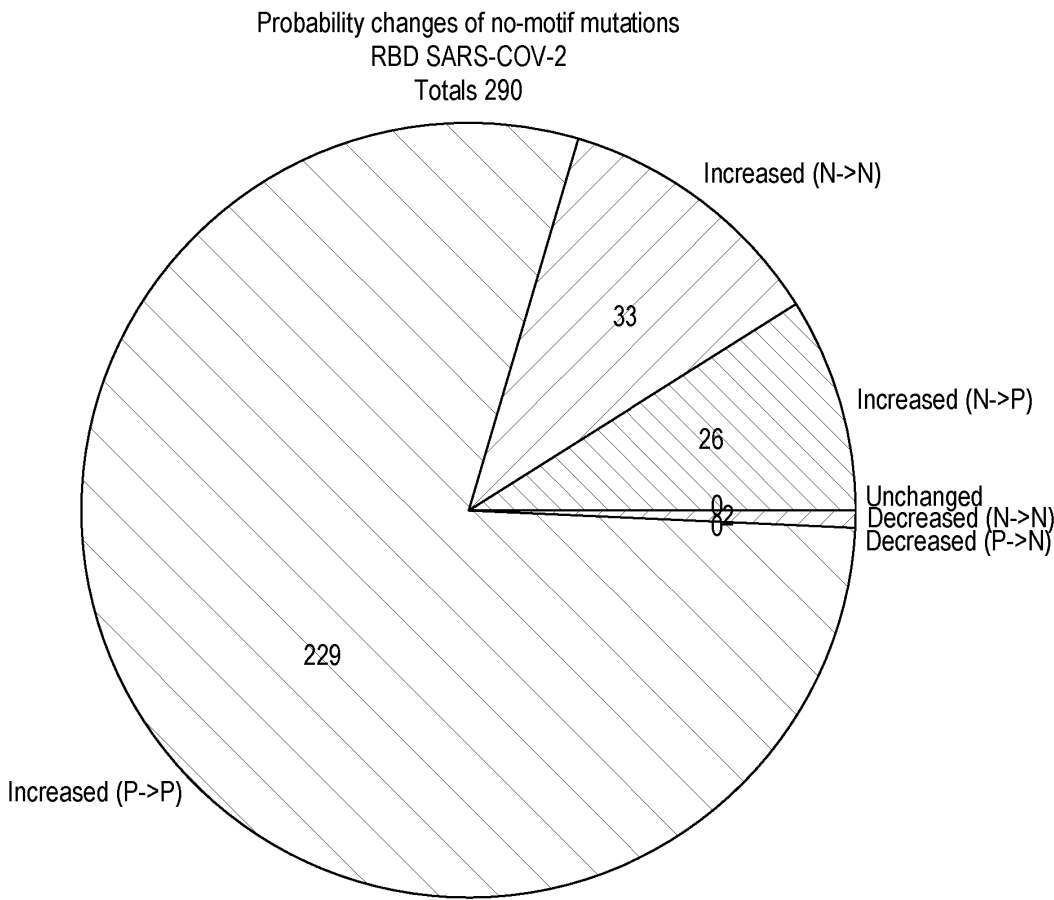


FIG. 31(b)