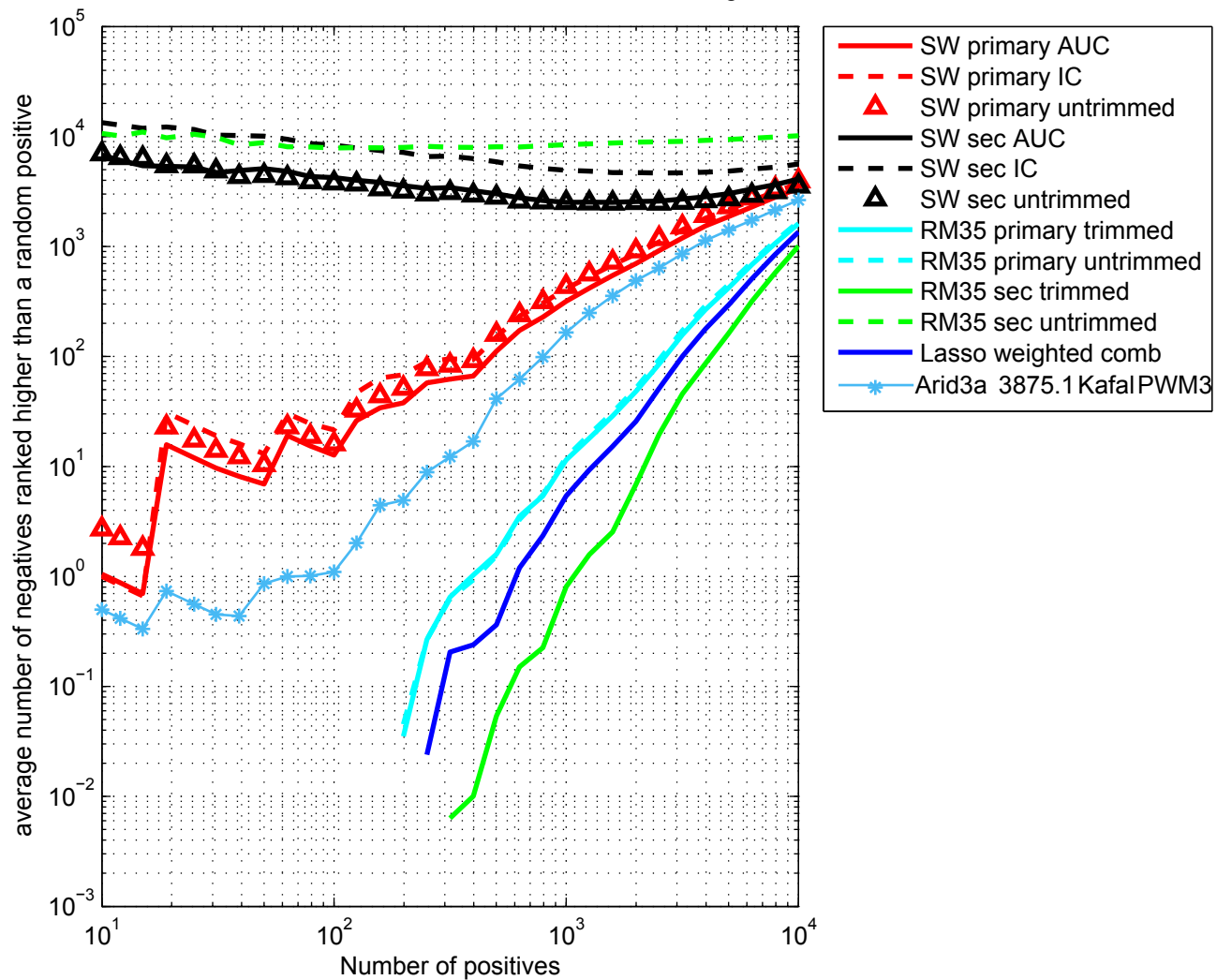
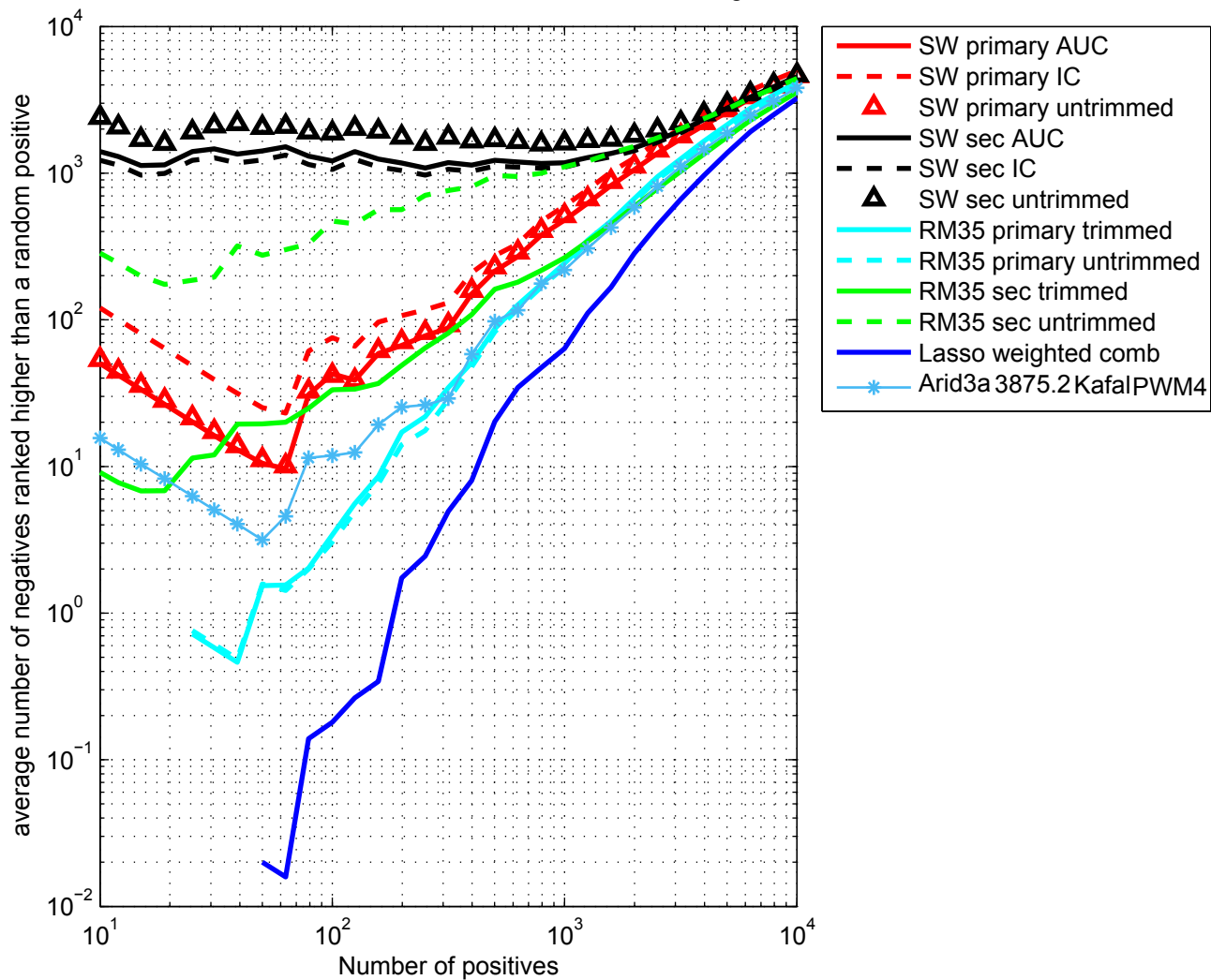


Statistical performance plots show that a multiple motif model best captures the binding profiles for most TFs. Area under ROC curve plots comparing the performance of individual motifs versus a multiple motif model learned by Lasso. All figures on the following pages are in the same format. Performance was assessed by considering the k -mer data after merging data from both array designs.

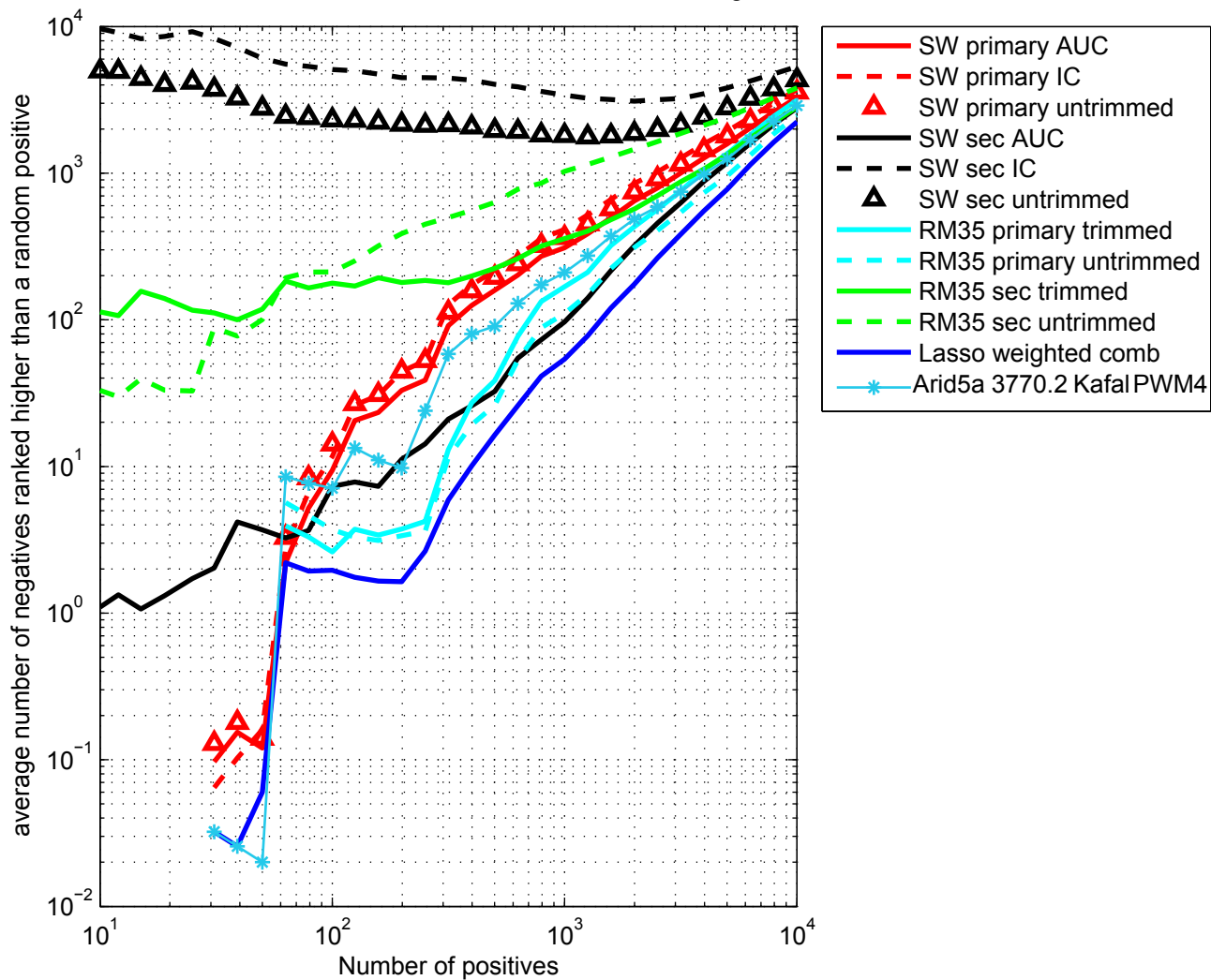
Arid3a 3875.1 comb VSN normalized Zscore Averaged



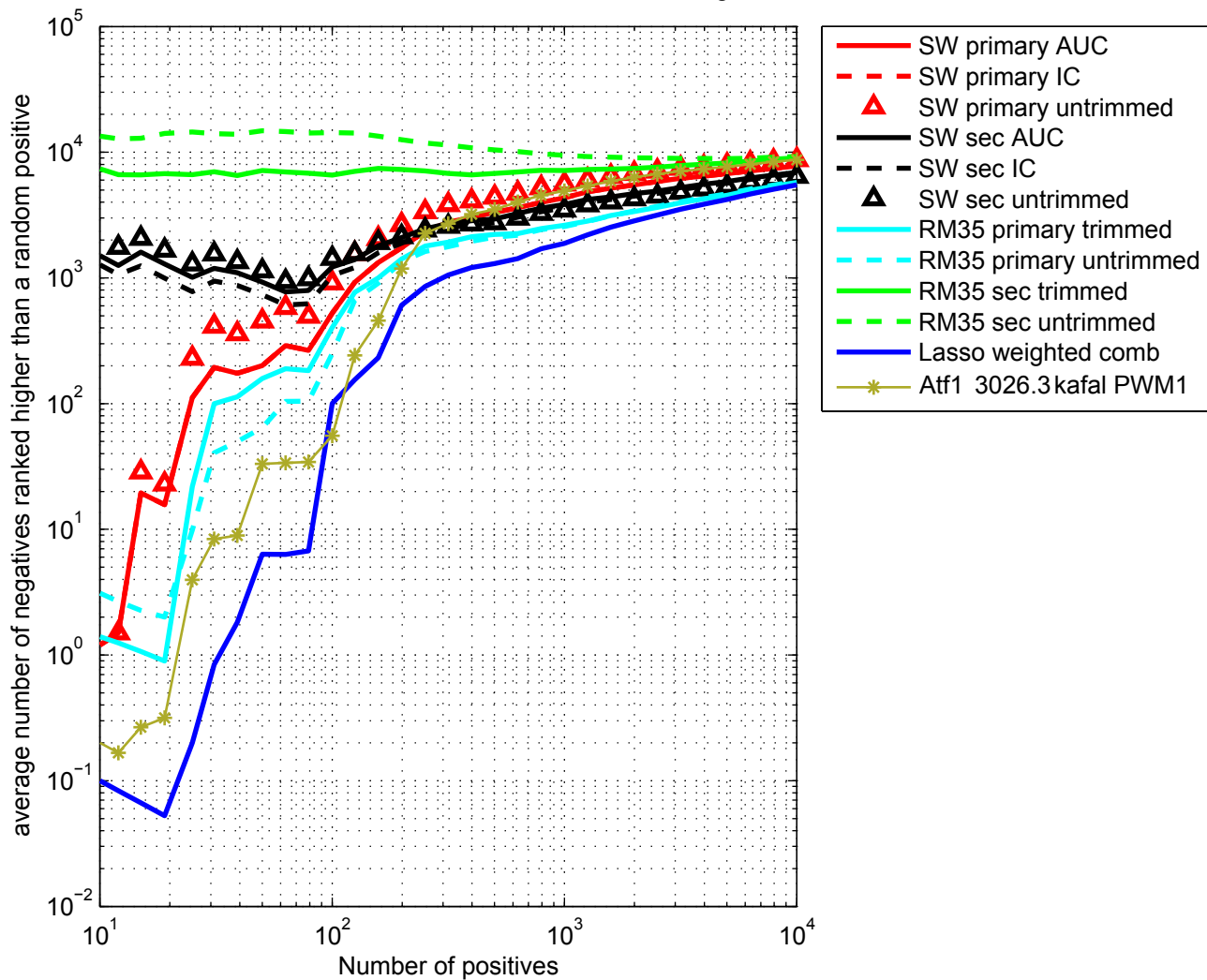
Arid3a 3875.2 comb VSN normalized Zscore Averaged



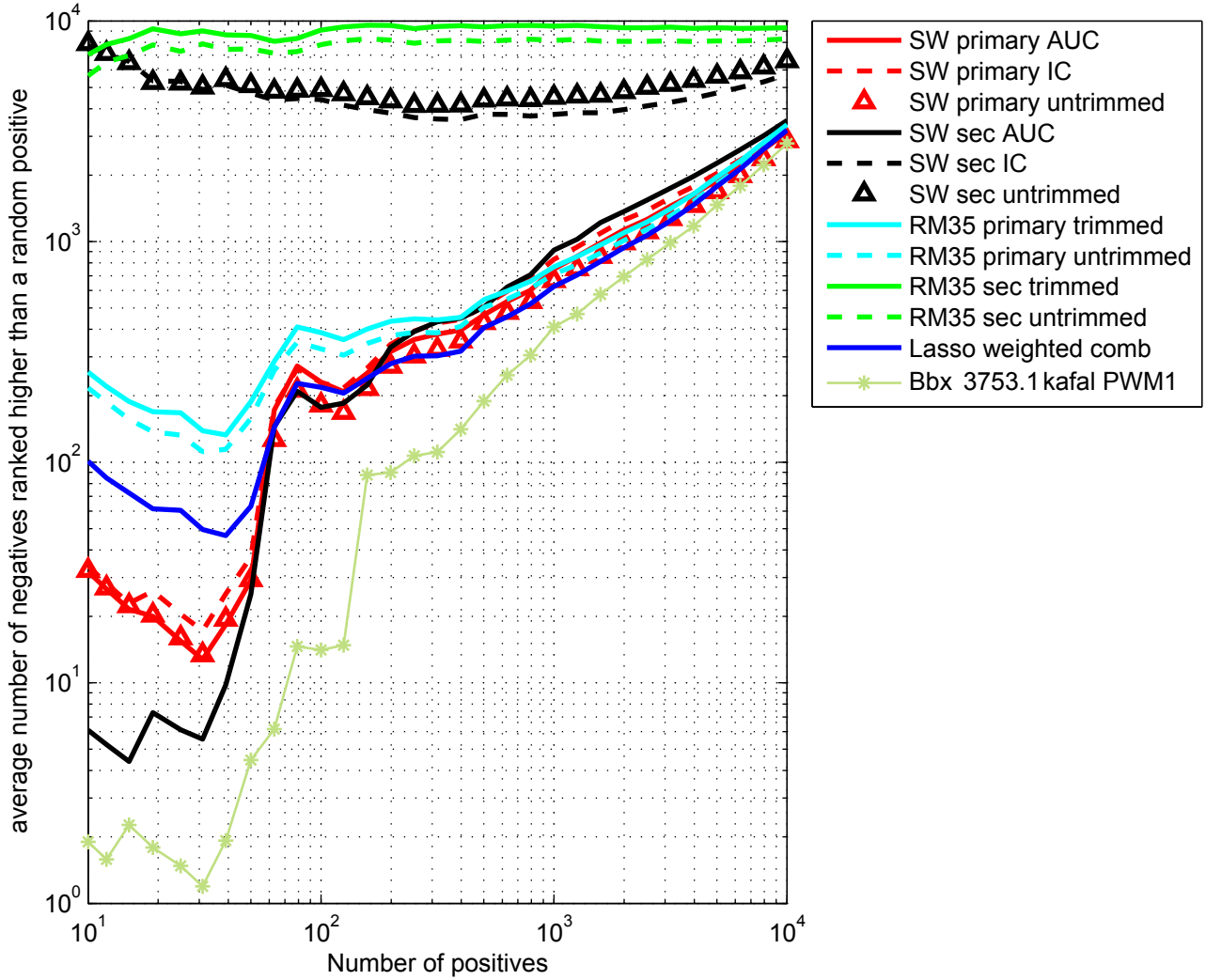
Arid5a 3770.2 comb VSN normalized Zscore Averaged



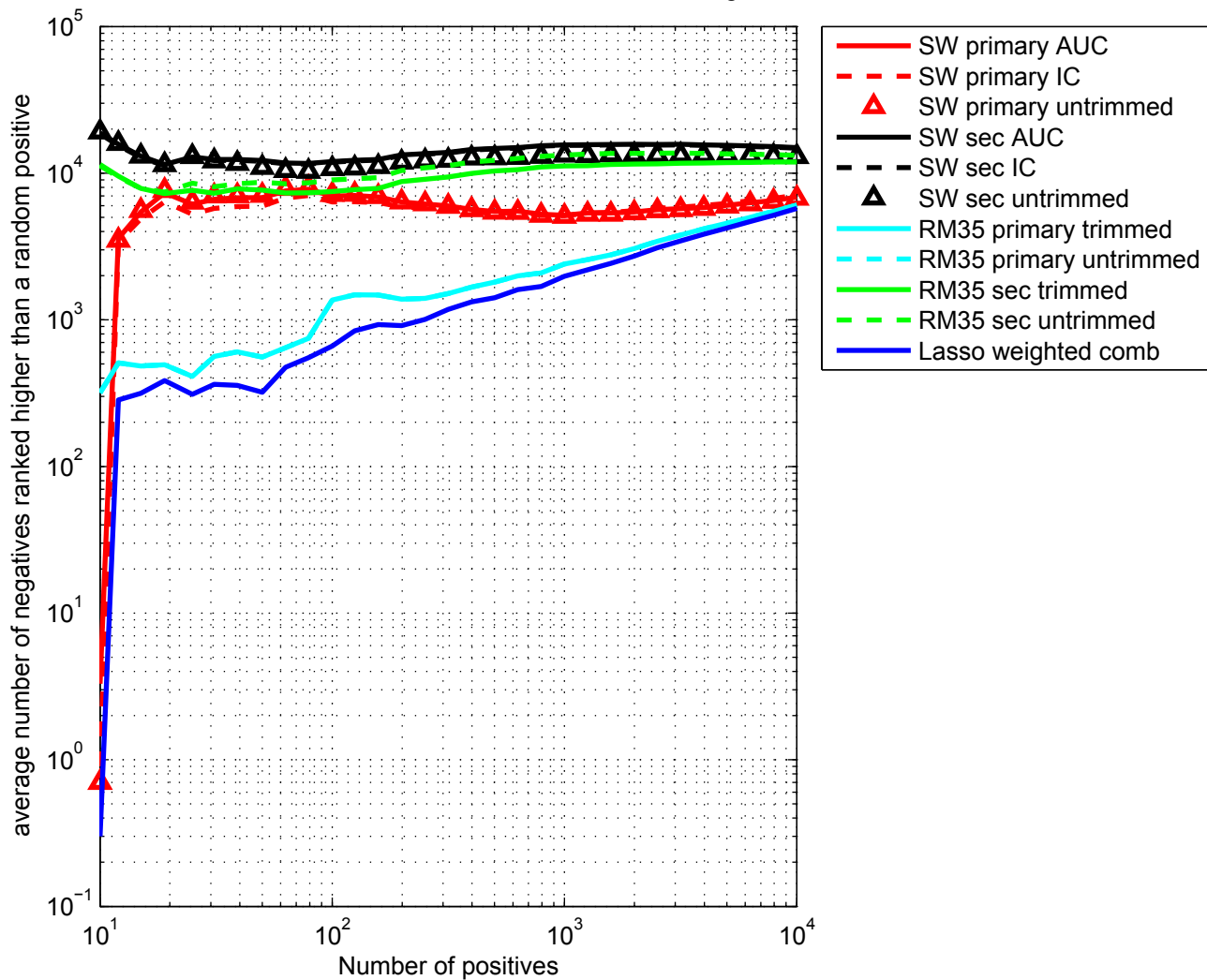
Atf1 3026.3 comb VSN normalized Zscore Averaged



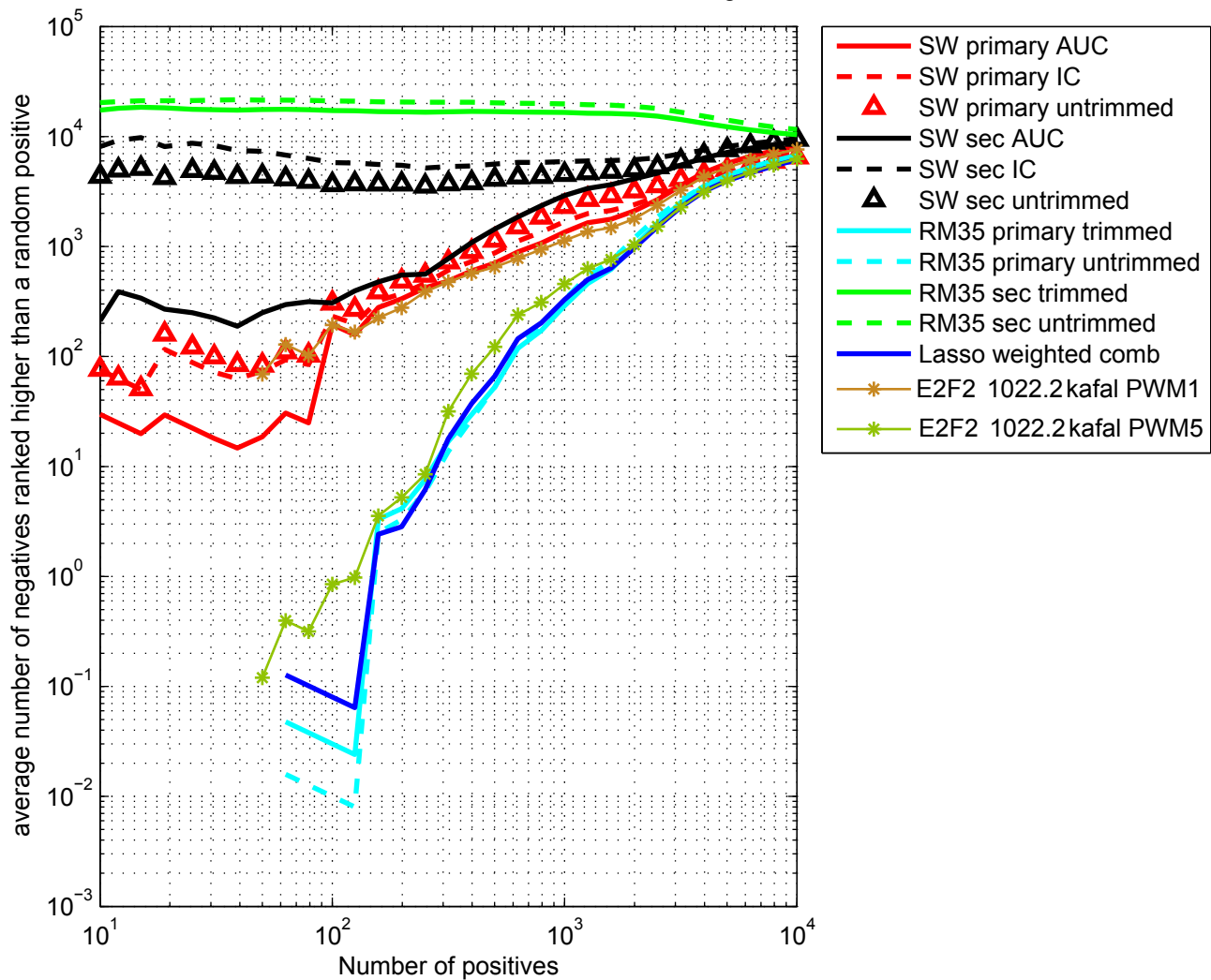
Bbx 3753.1 comb VSN normalized Zscore Averaged



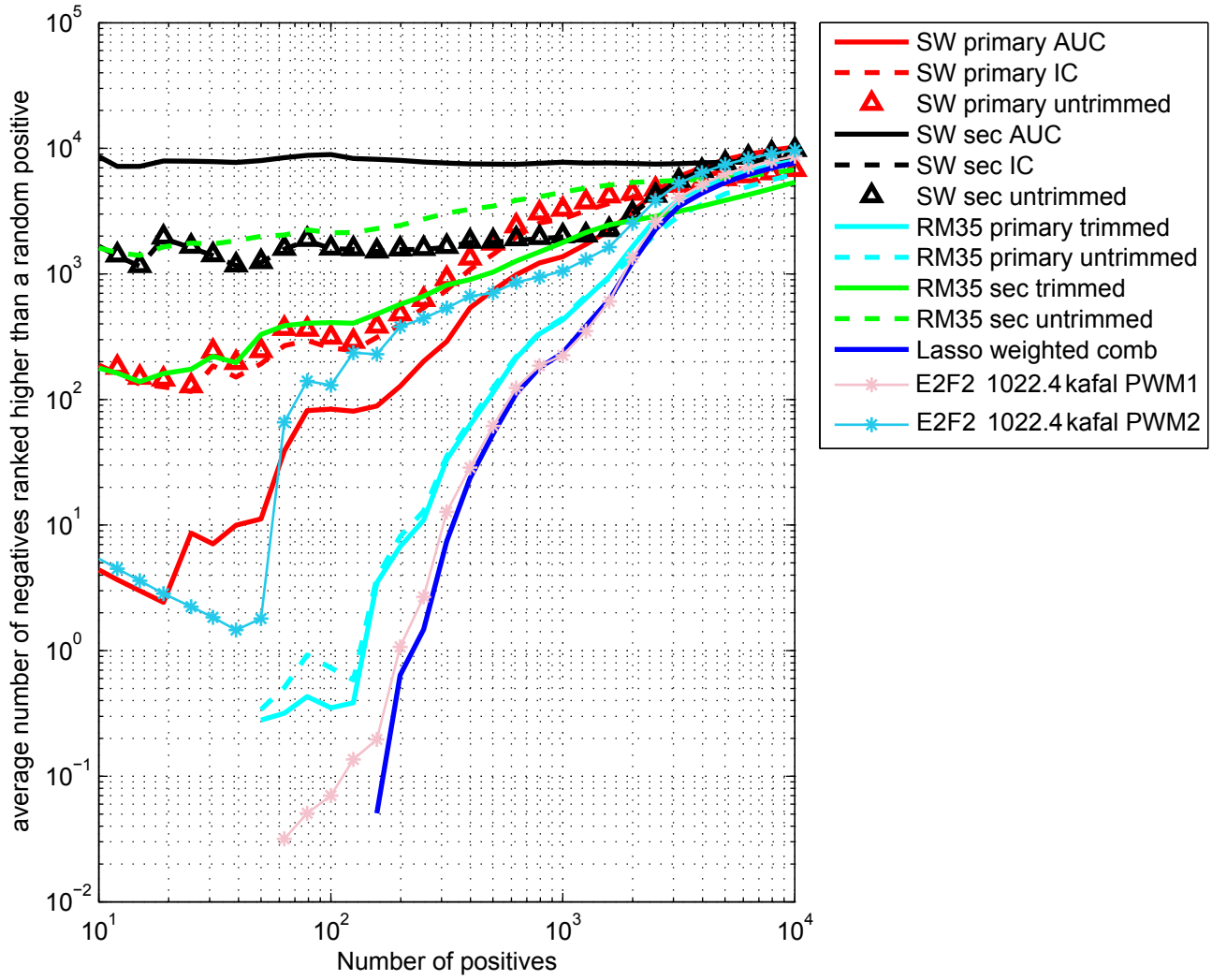
Bcl6b 0961.2 comb VSN normalized Zscore Averaged



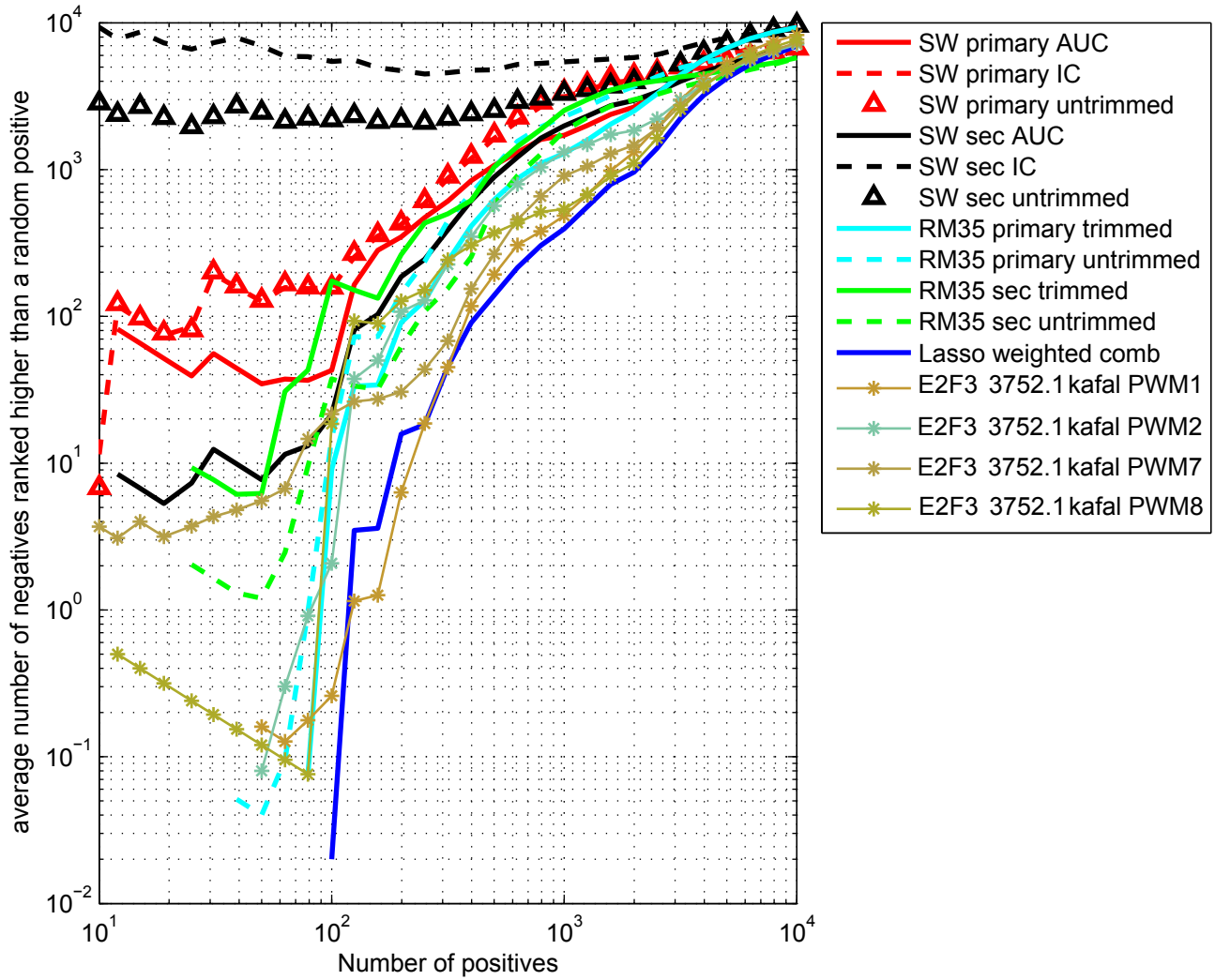
E2F2 1022.2 comb VSN normalized Zscore Averaged



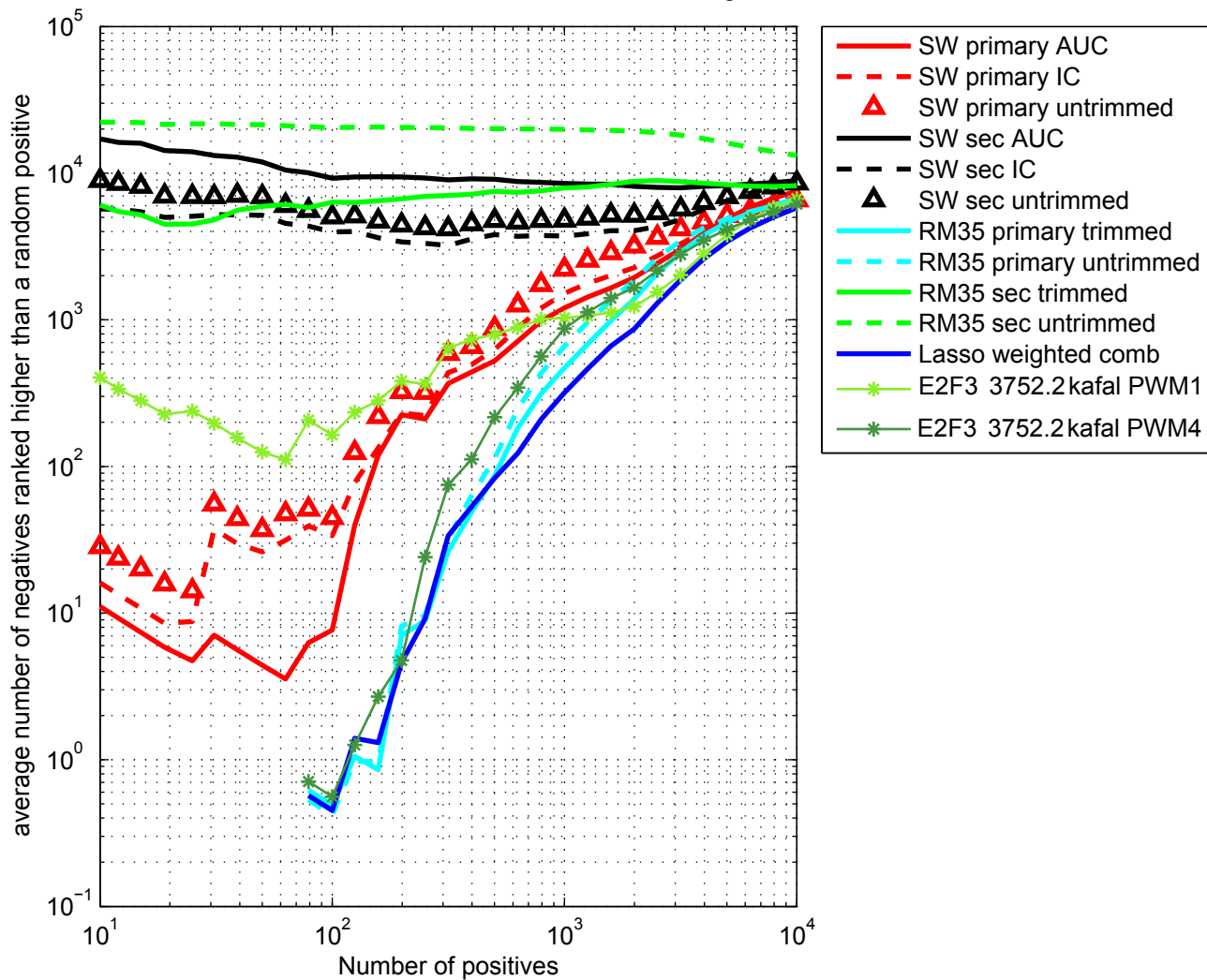
E2F2 1022.4 comb VSN normalized Zscore Averaged



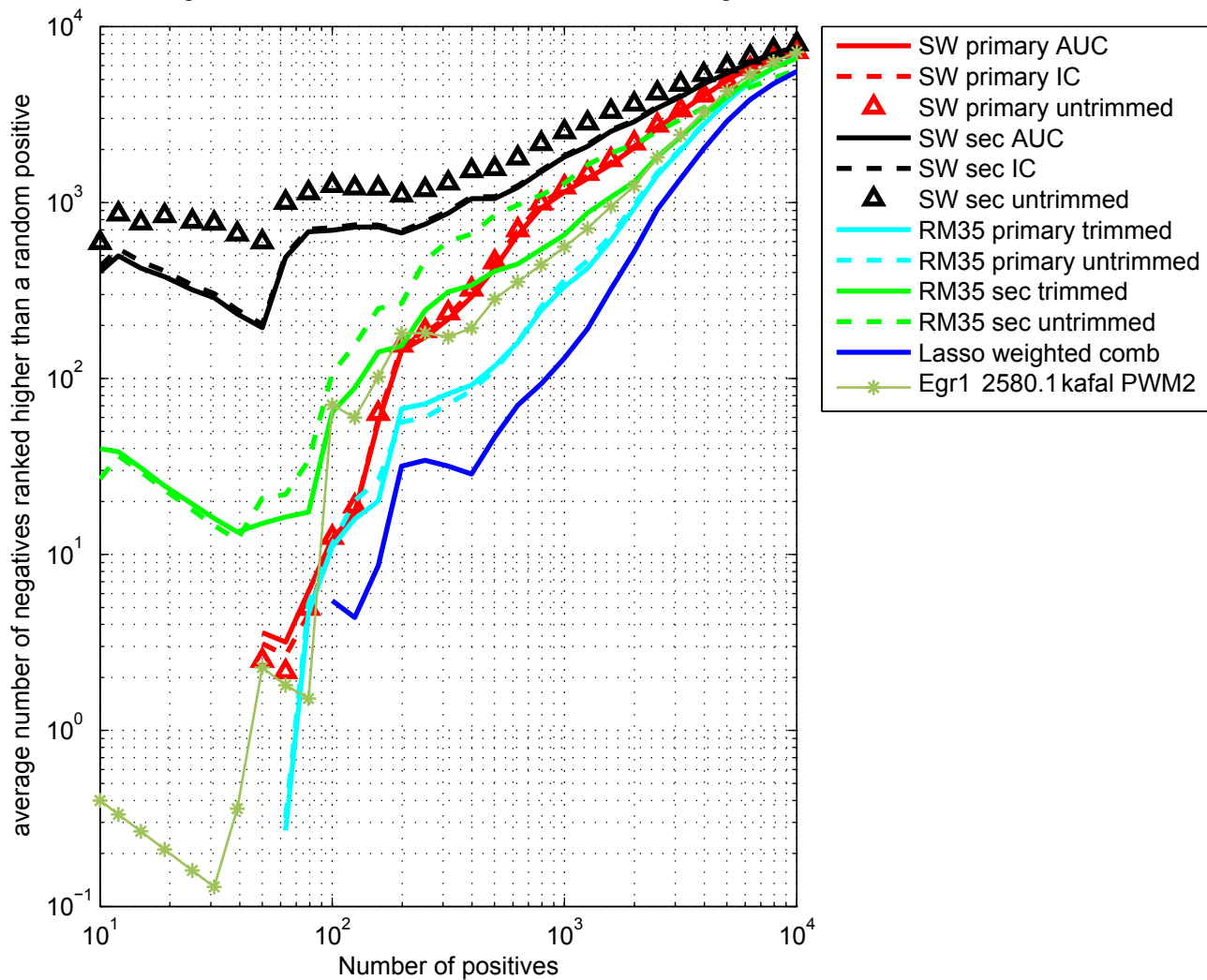
E2F3 3752.1 comb VSN normalized Zscore Averaged



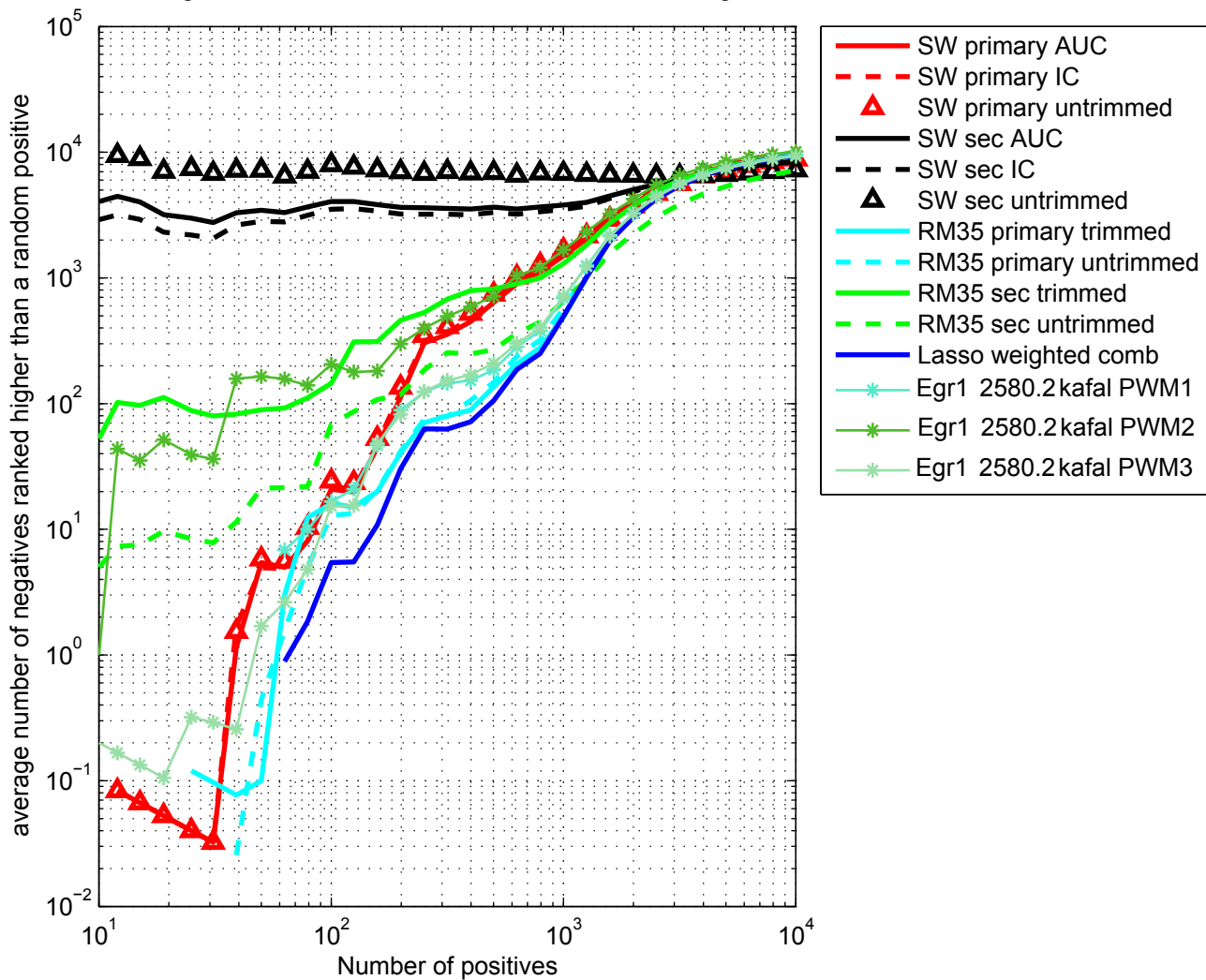
E2F3 3752.2 comb VSN normalized Zscore Averaged



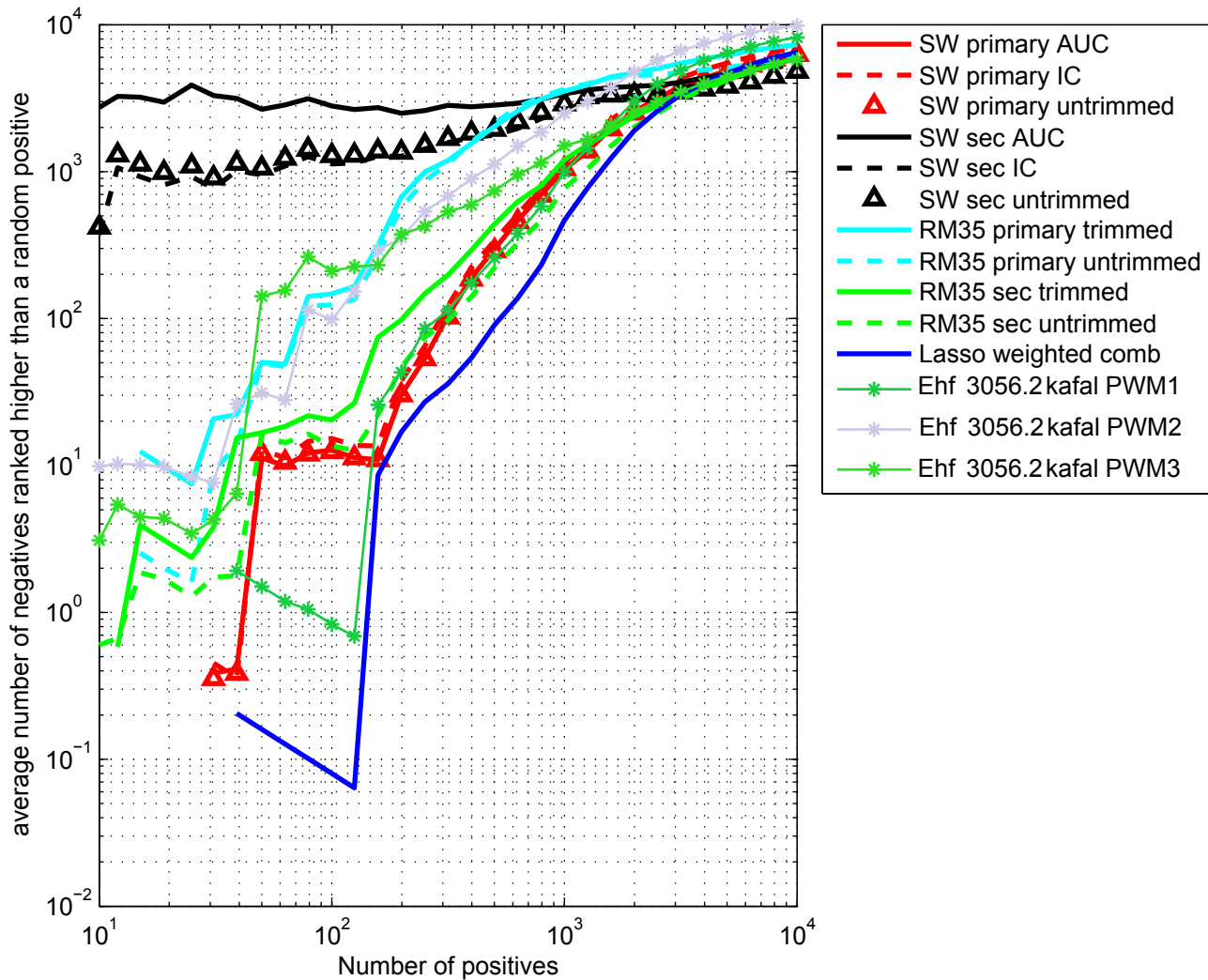
Egr1 2580.1 comb VSN normalized Zscore Averaged



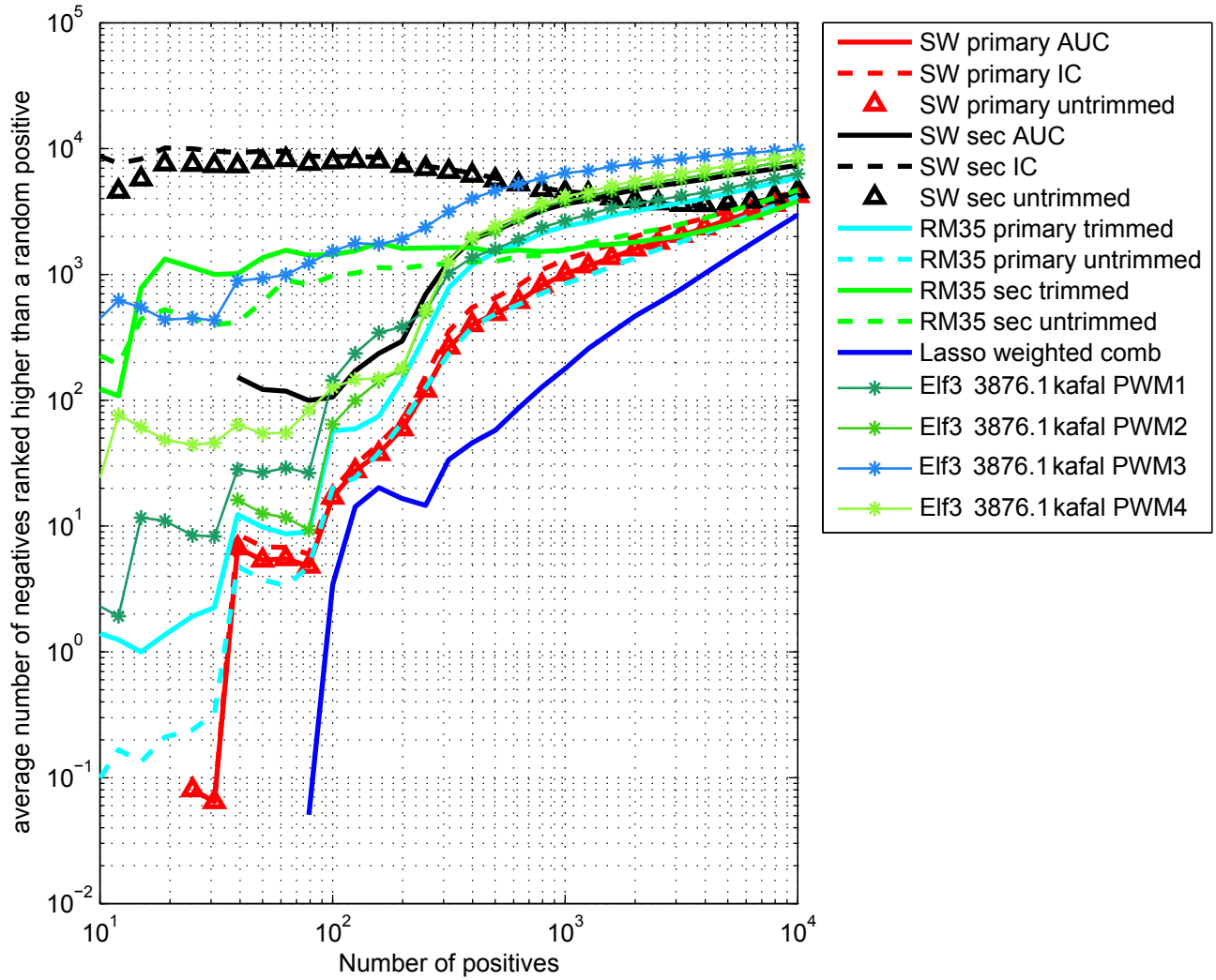
Egr1 2580.2 comb VSN normalized Zscore Averaged



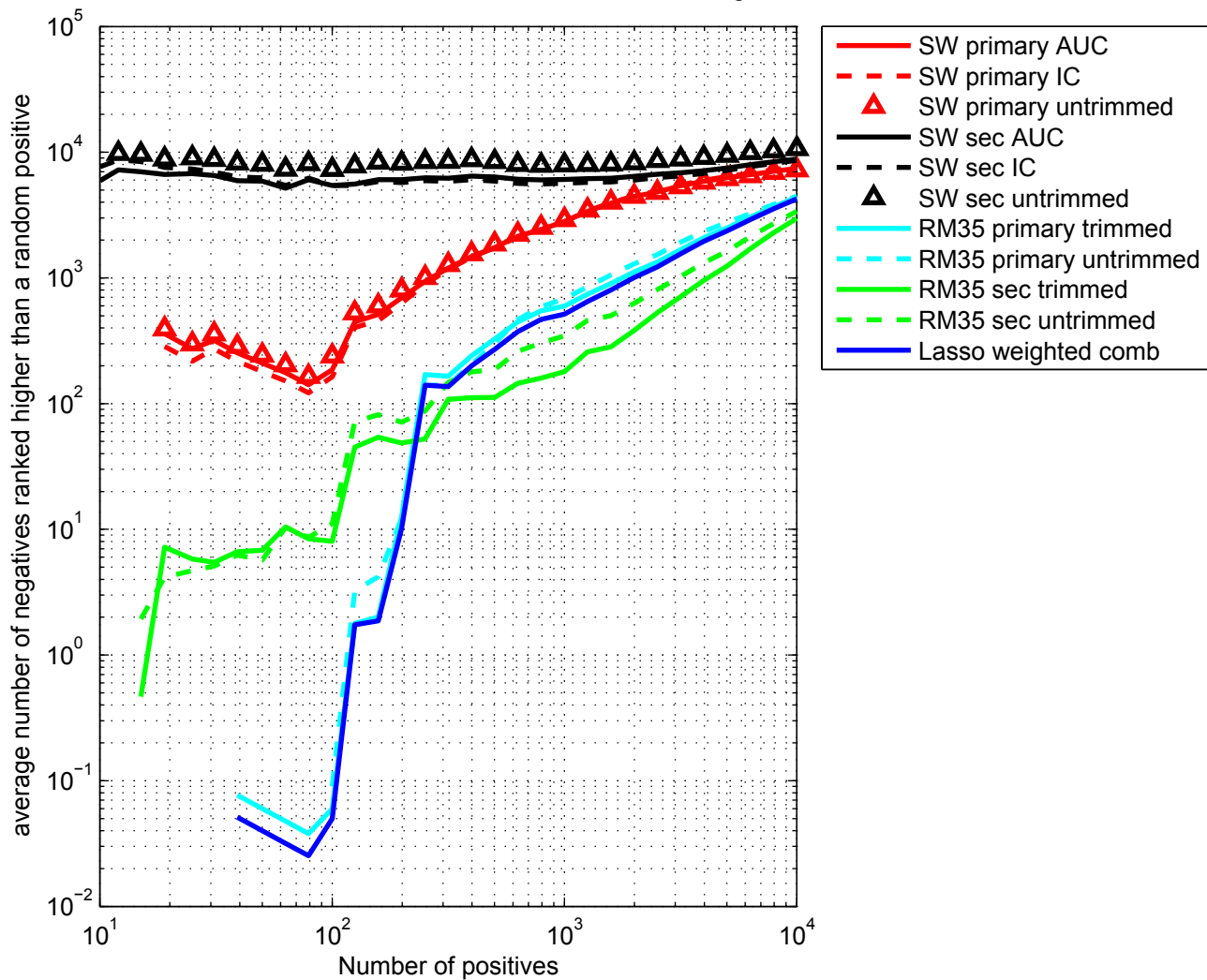
Ehf 3056.2 comb VSN normalized Zscore Averaged



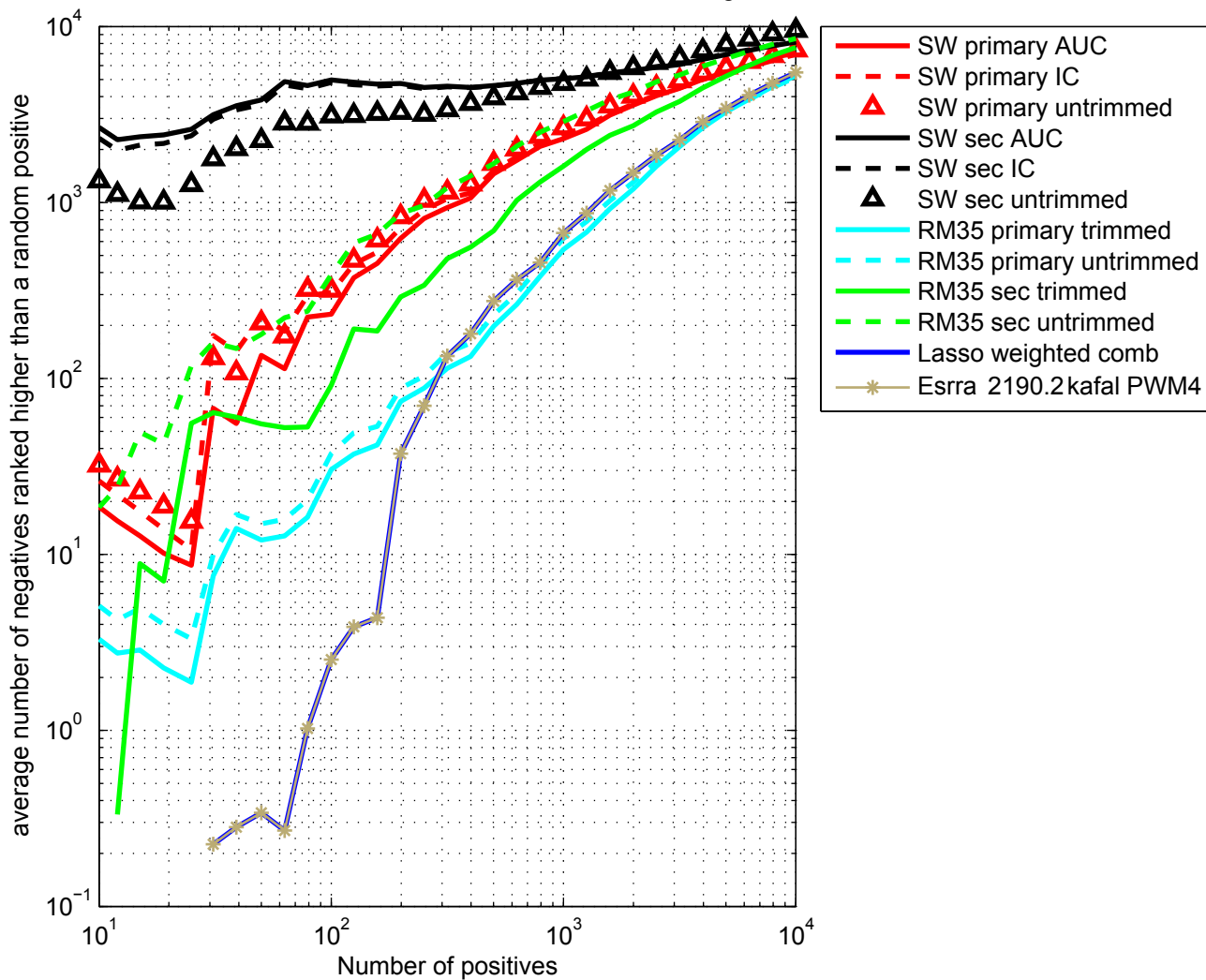
Elf3 3876.1 comb VSN normalized Zscore Averaged



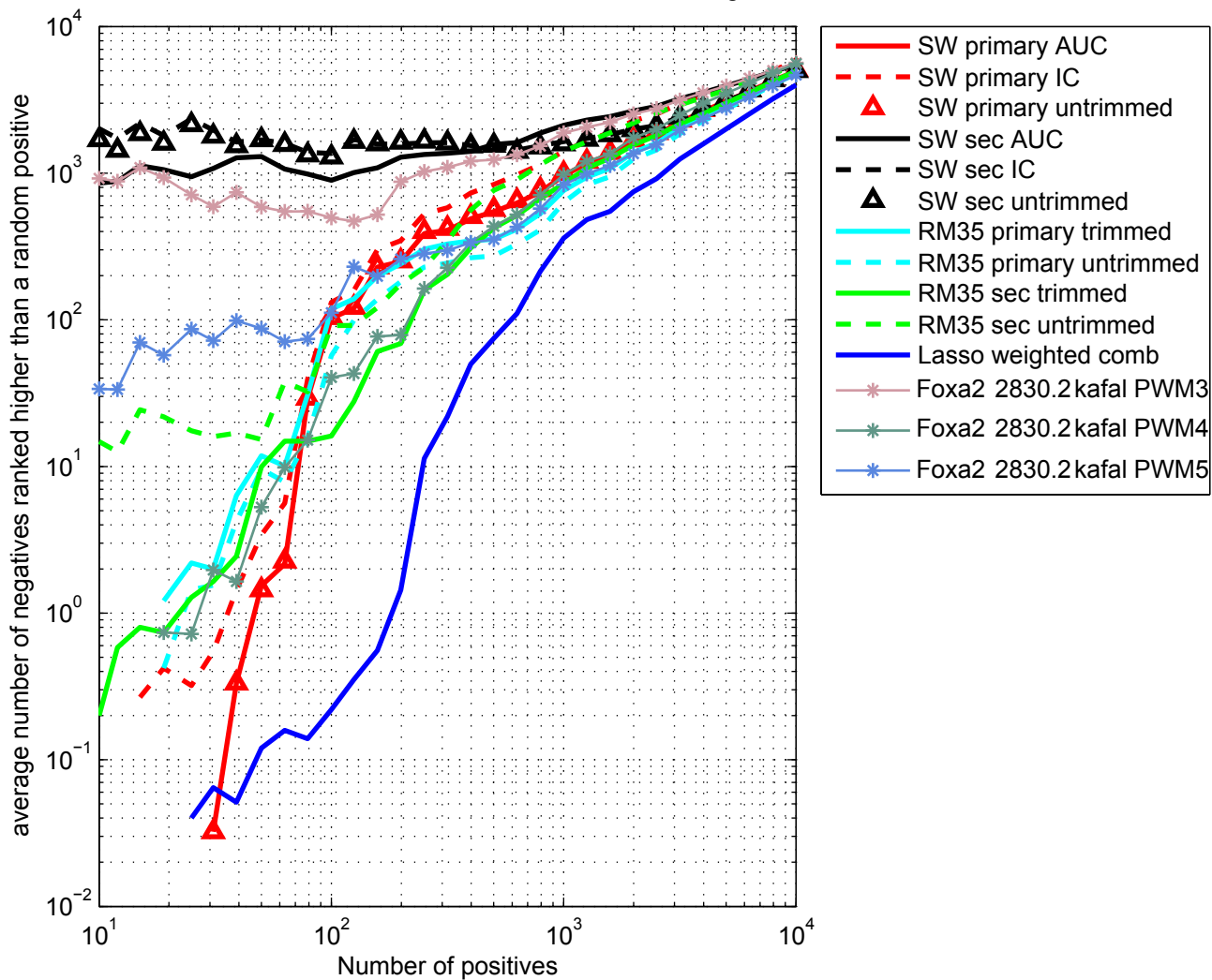
Eomes 0921.4 comb VSN normalized Zscore Averaged



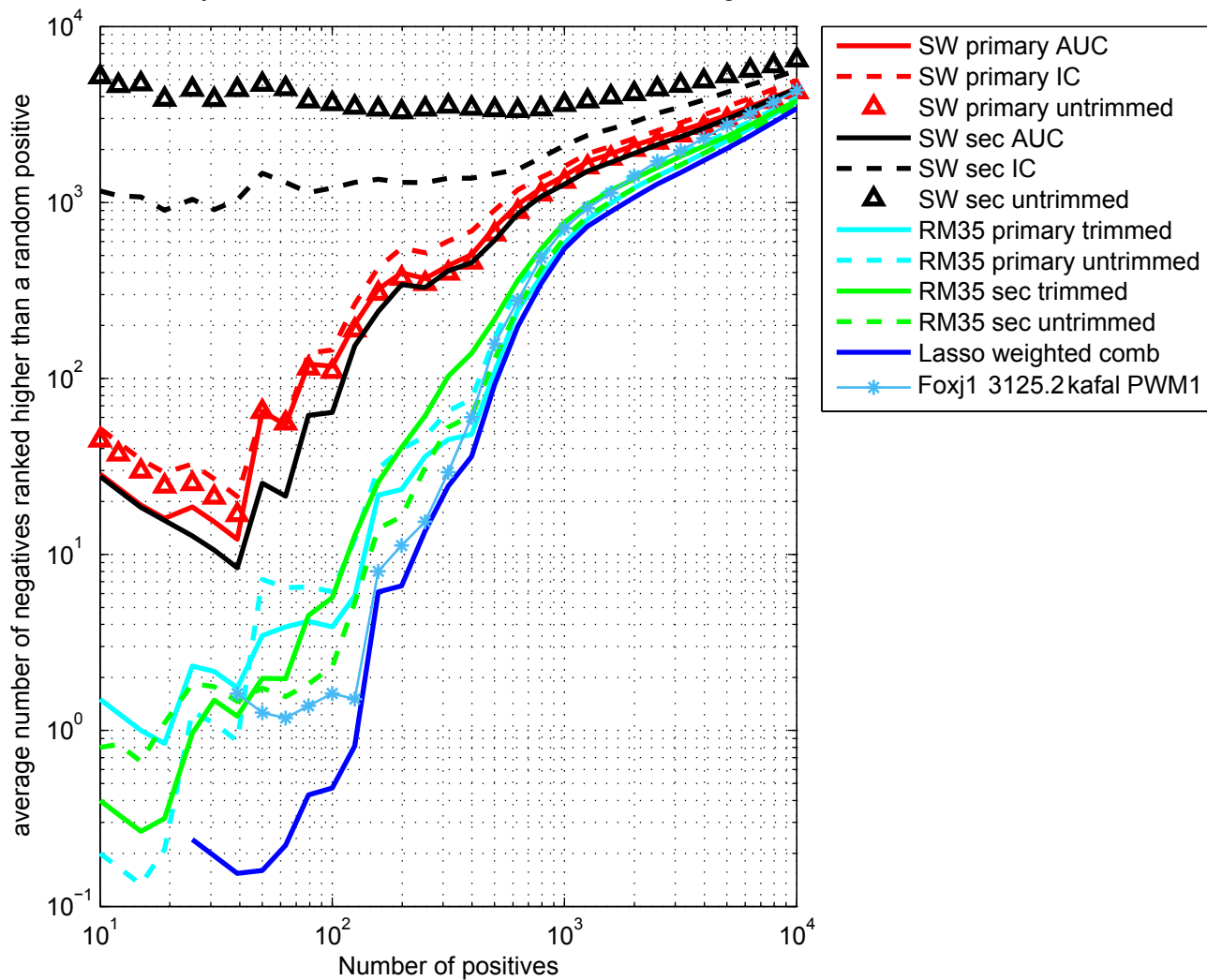
Esrra 2190.2 comb VSN normalized Zscore Averaged



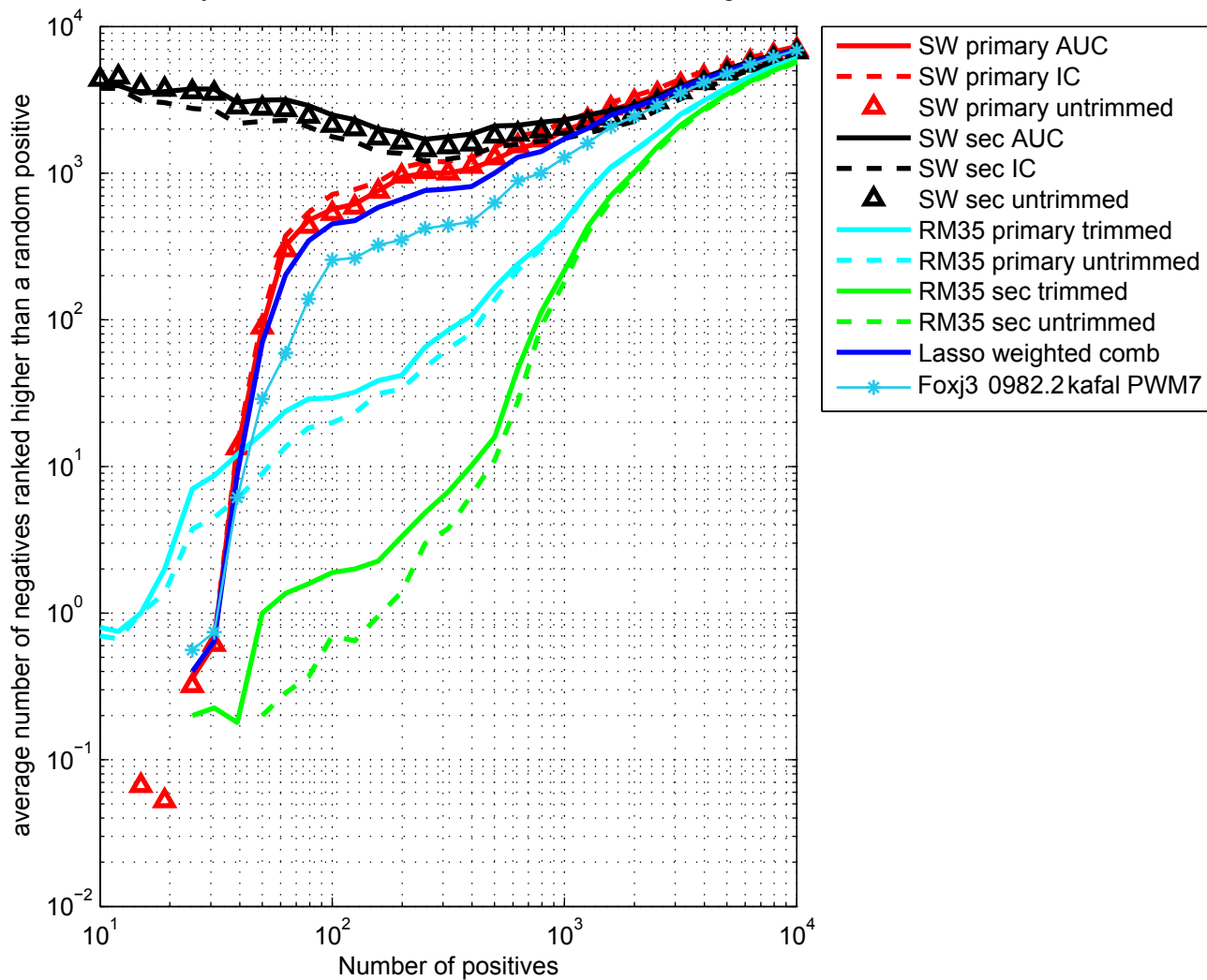
Foxa2 2830.2 comb VSN normalized Zscore Averaged



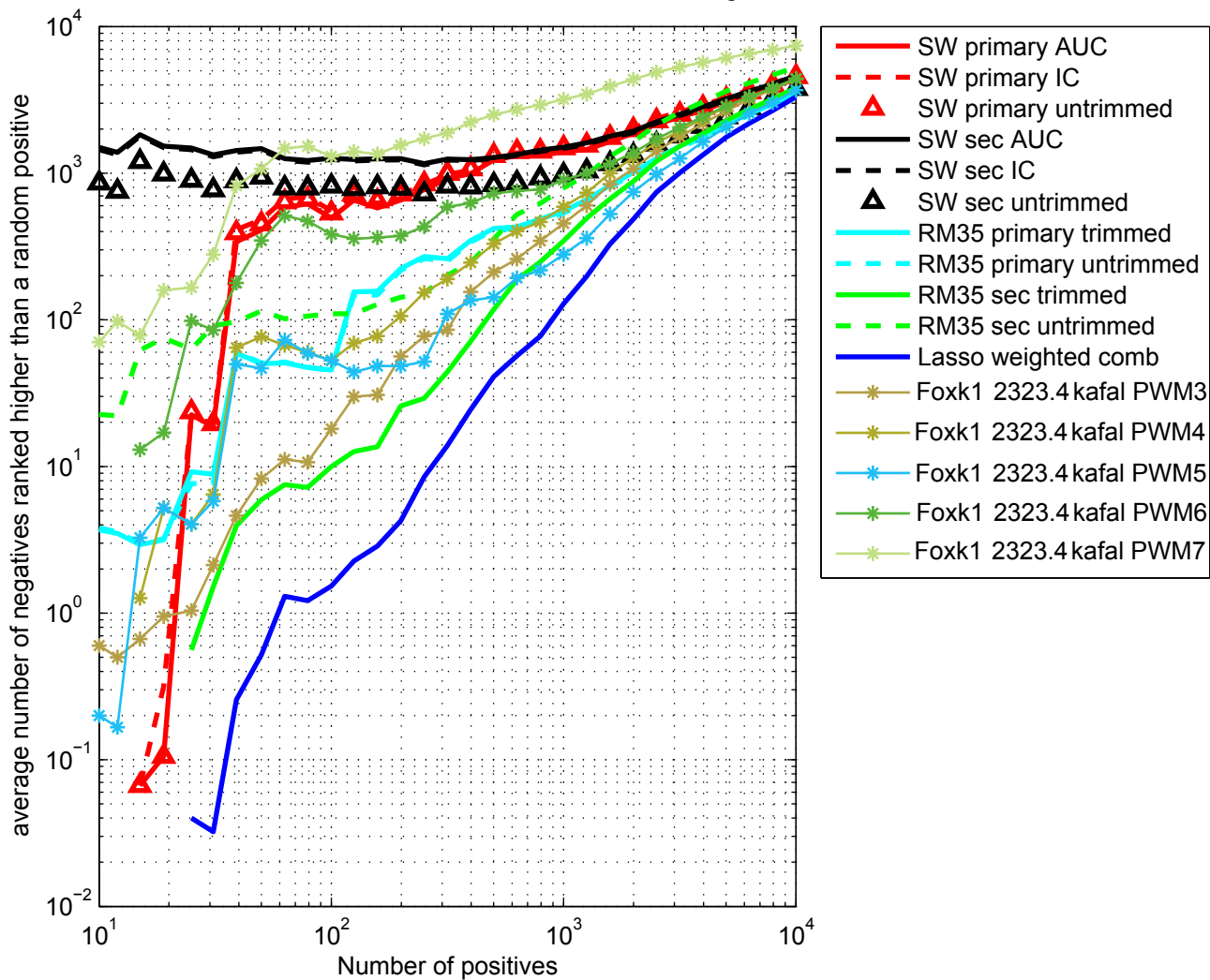
Foxj1 3125.2 comb VSN normalized Zscore Averaged



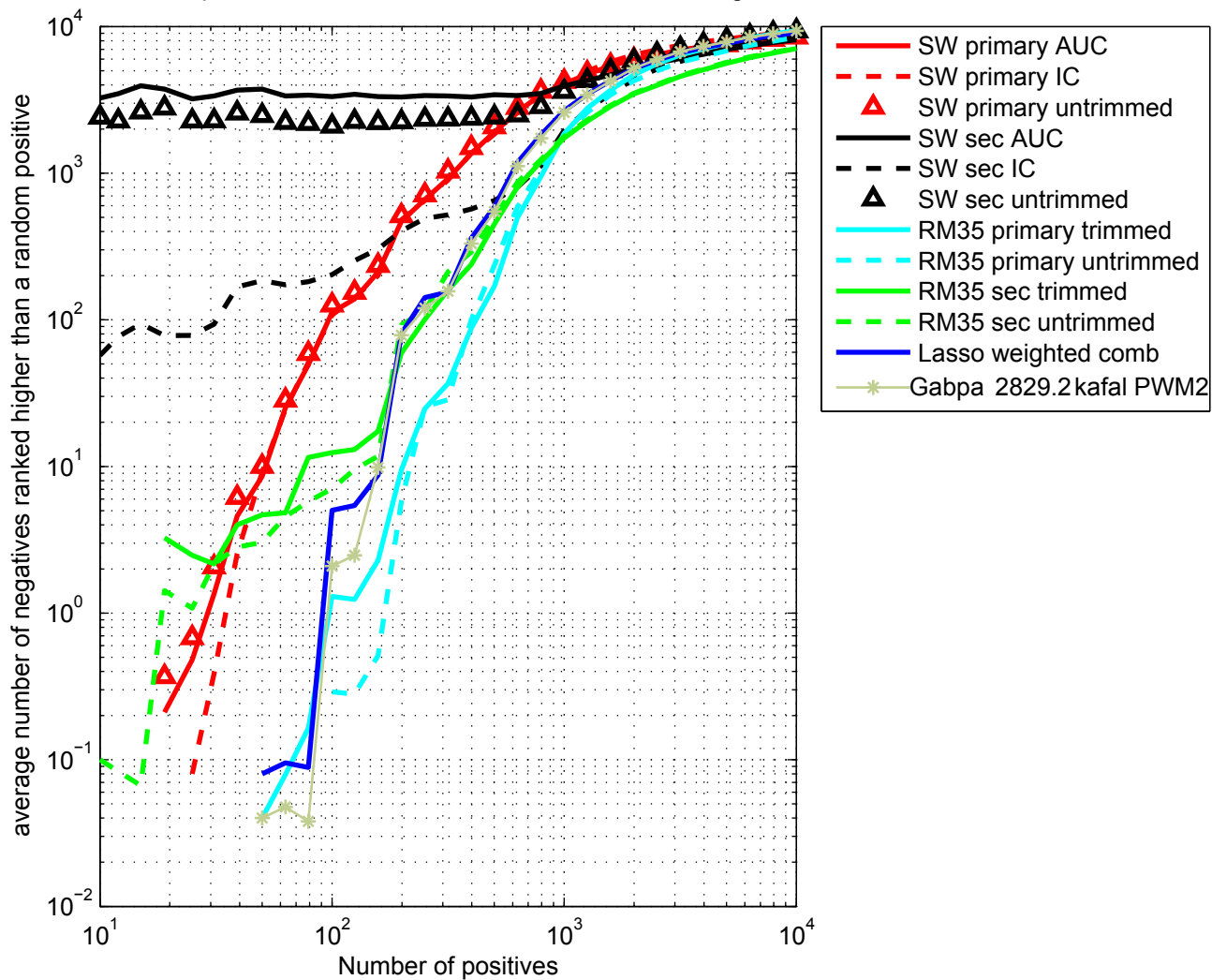
Foxj3 0982.2 comb VSN normalized Zscore Averaged



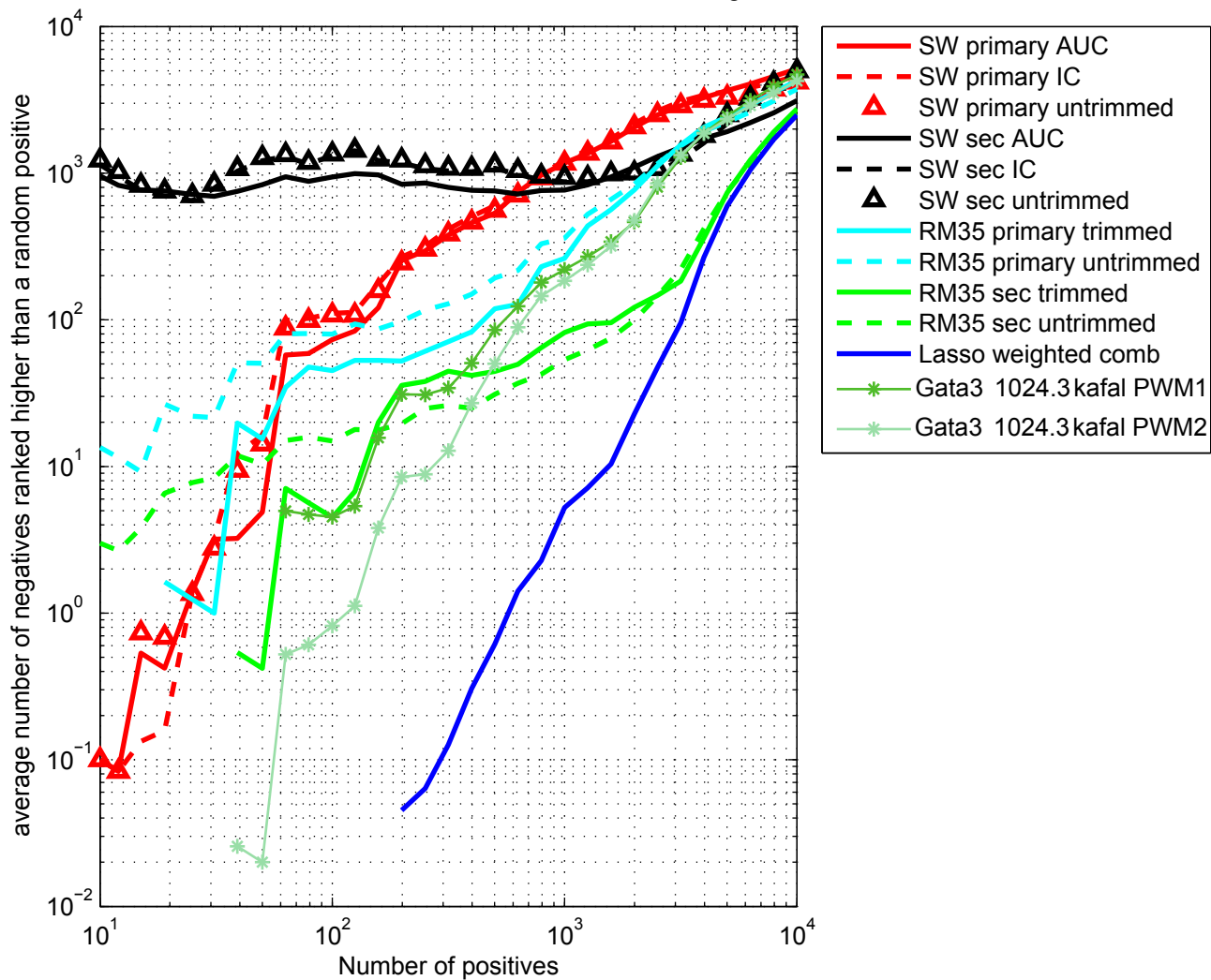
Foxk1 2323.4 comb VSN normalized Zscore Averaged



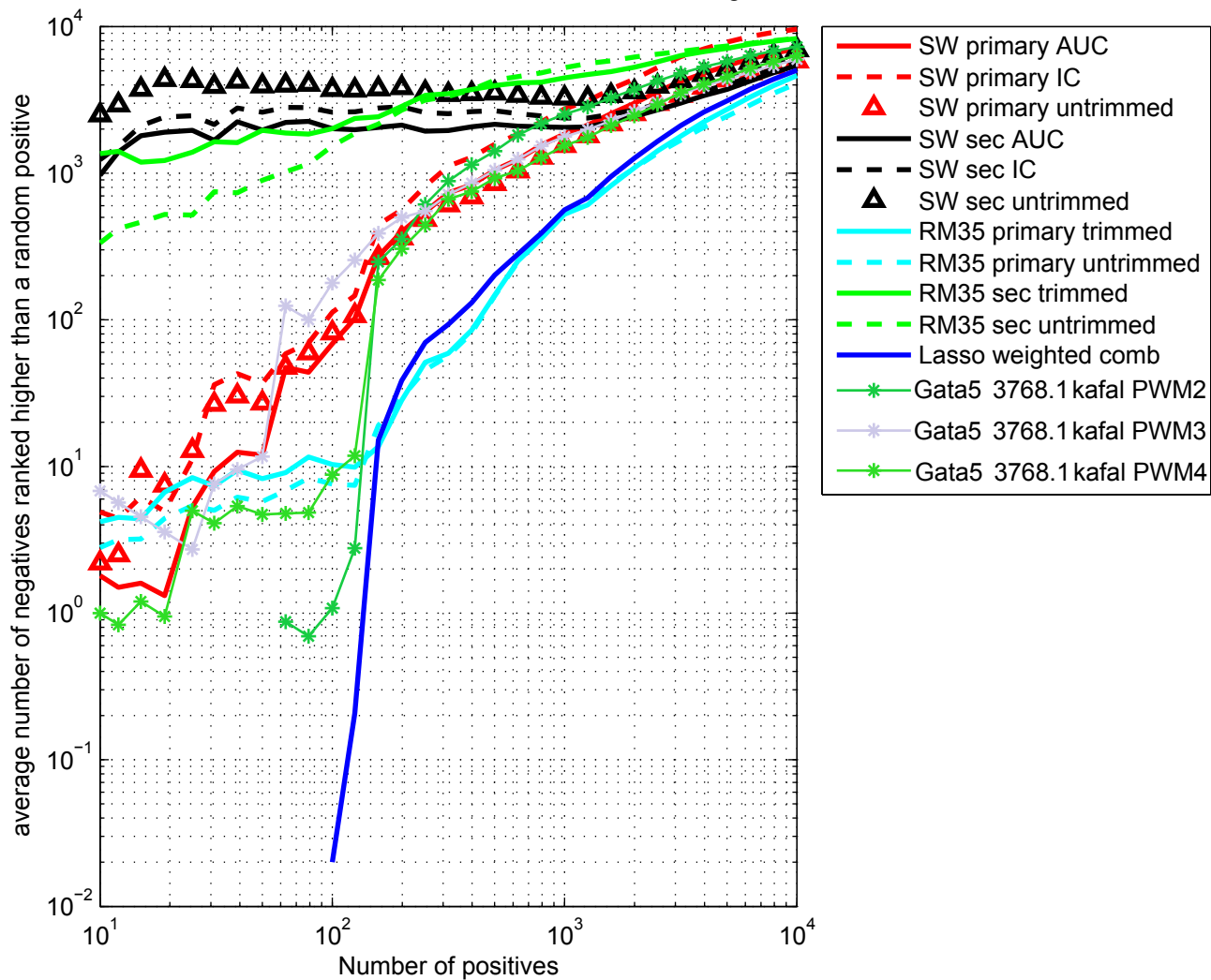
Gabpa 2829.2 comb VSN normalized Zscore Averaged



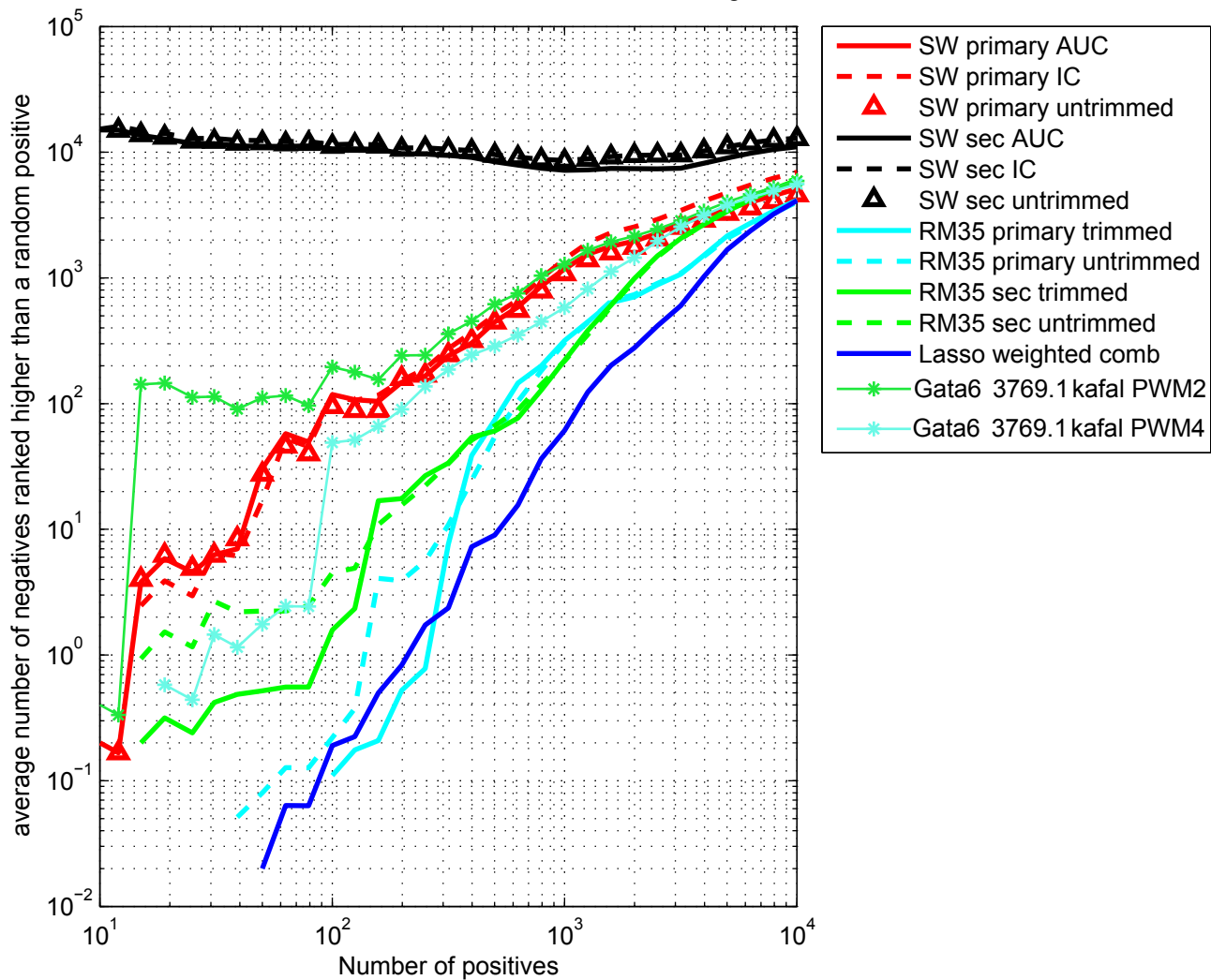
Gata3 1024.3 comb VSN normalized Zscore Averaged



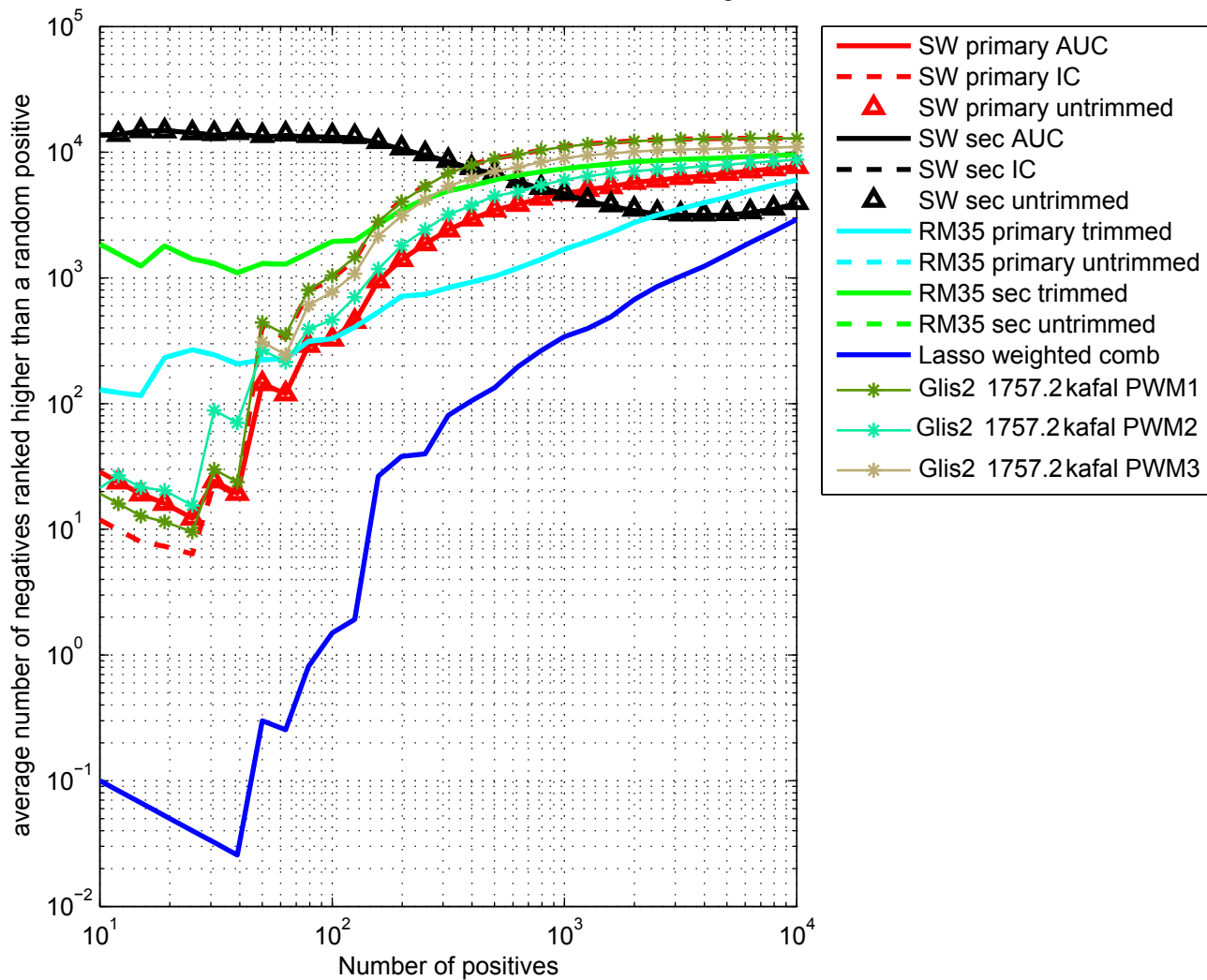
Gata5 3768.1 comb VSN normalized Zscore Averaged



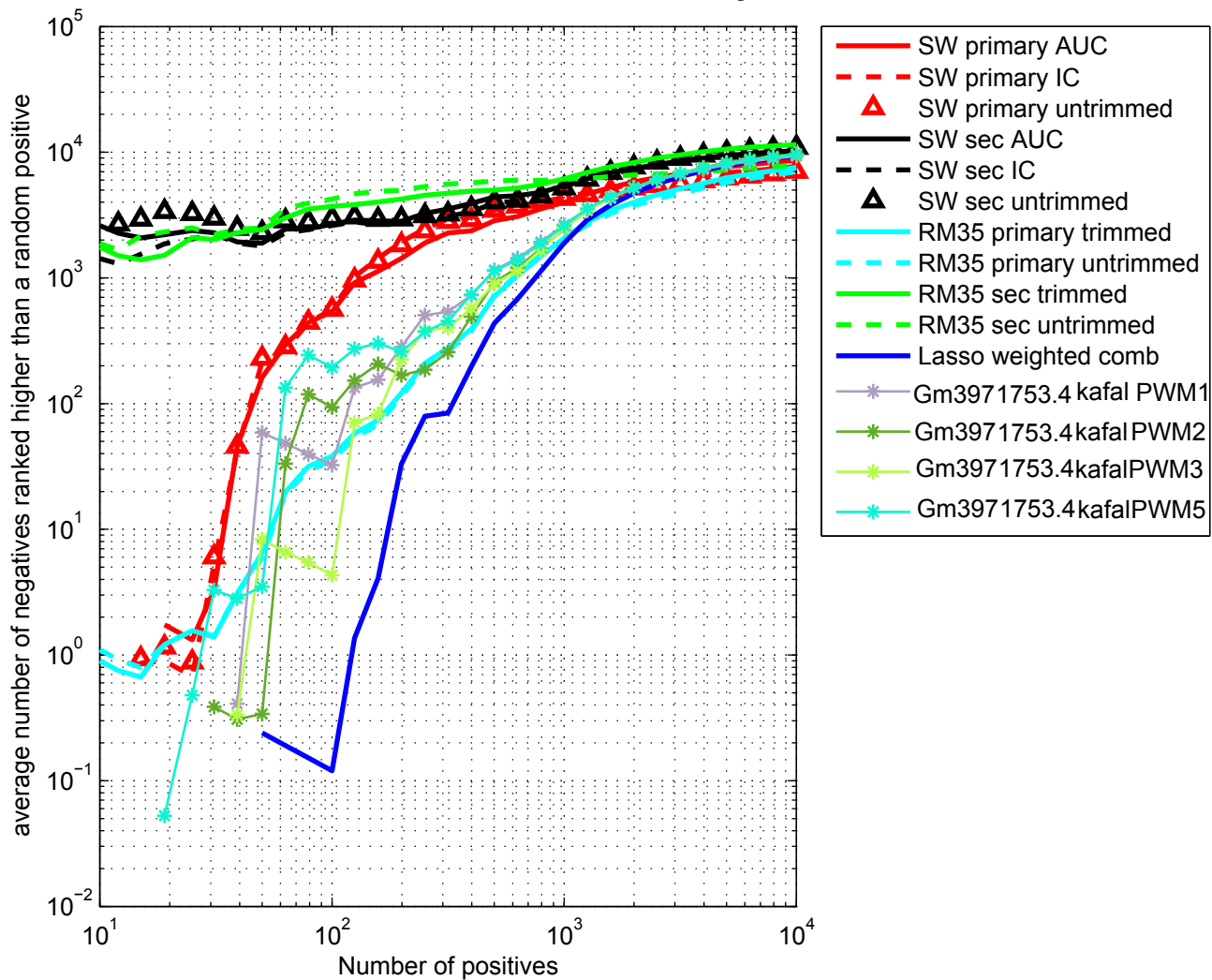
Gata6 3769.1 comb VSN normalized Zscore Averaged



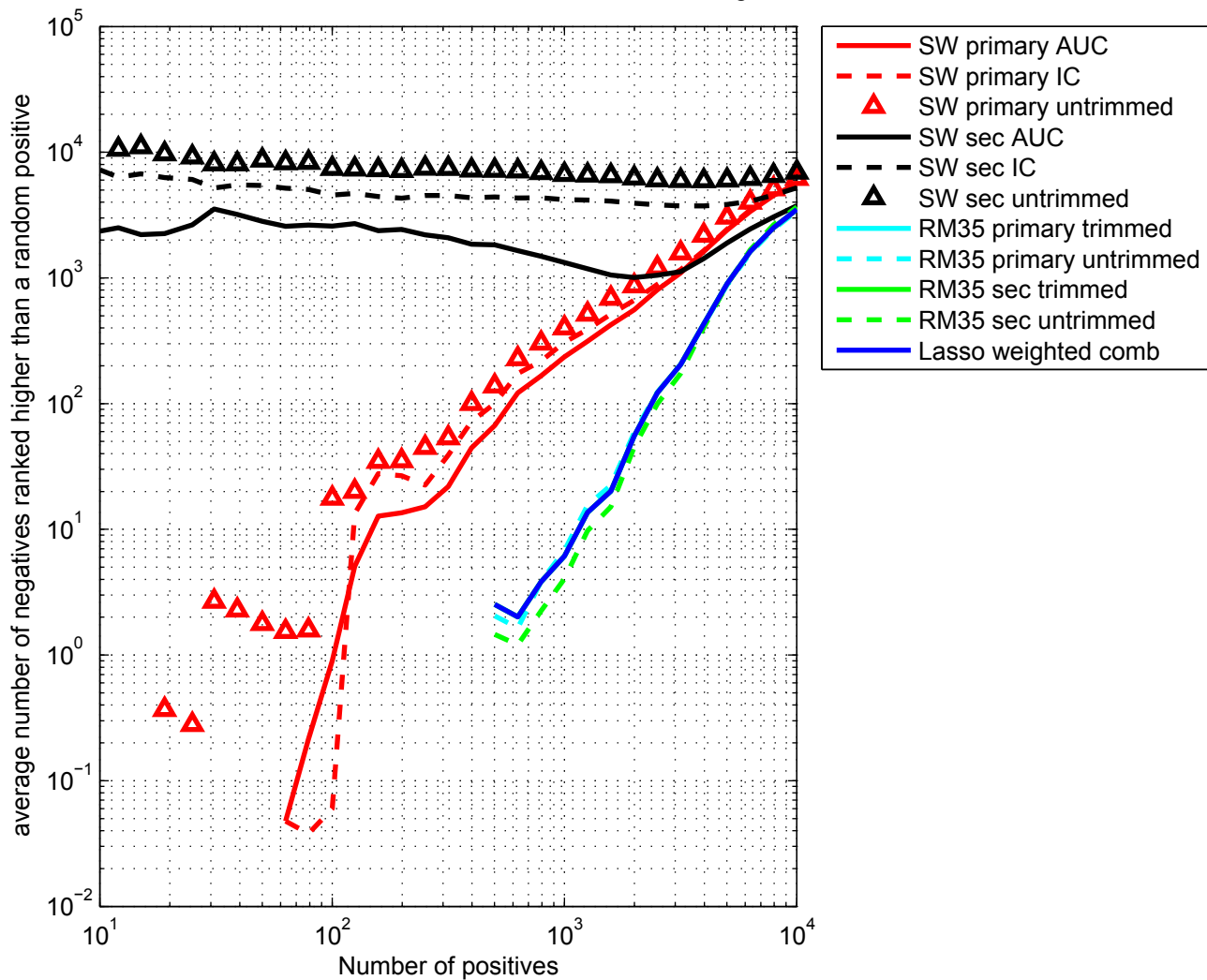
Glis2 1757.2 comb VSN normalized Zscore Averaged



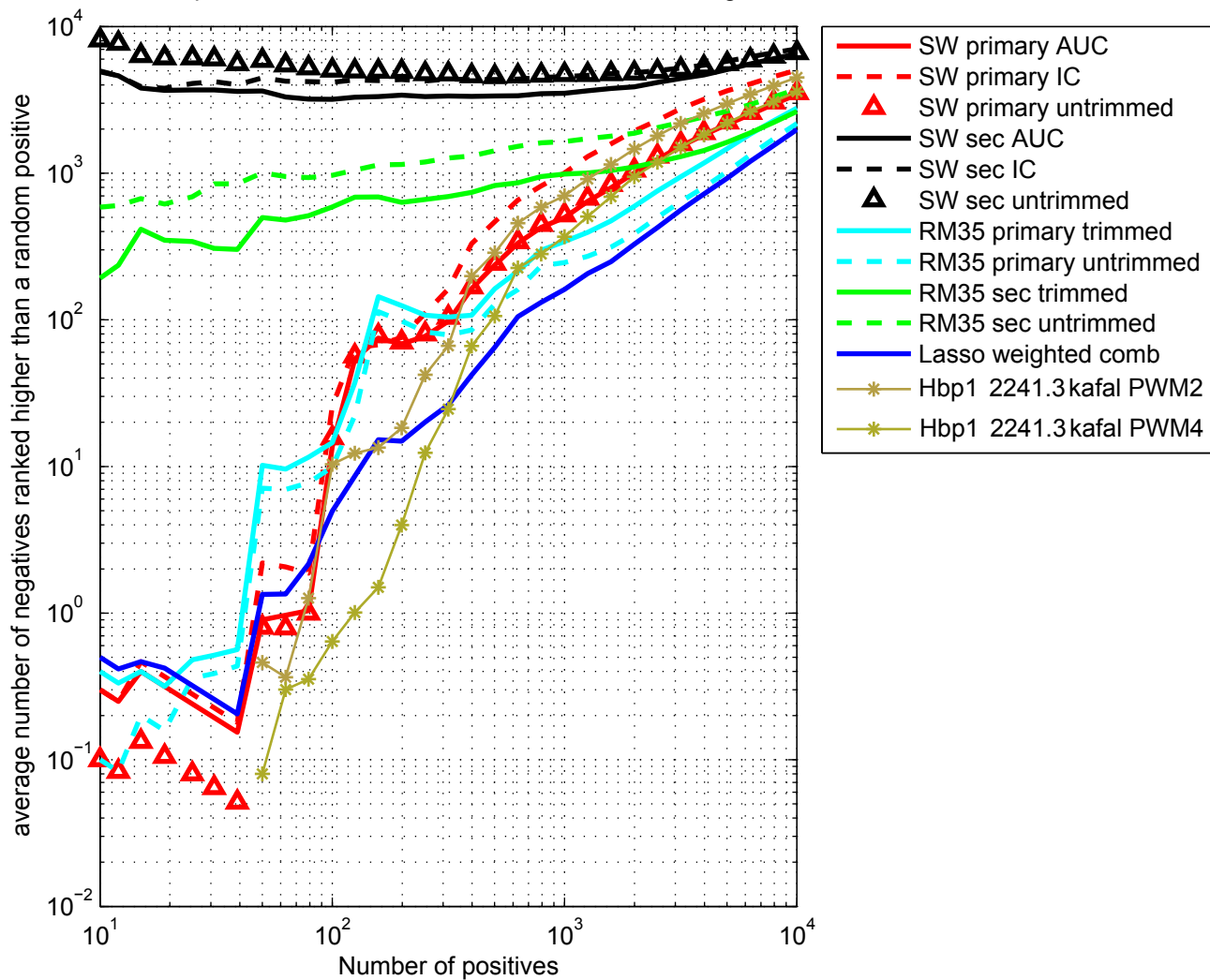
Gm397 1753.4 comb VSN normalized Zscore Averaged



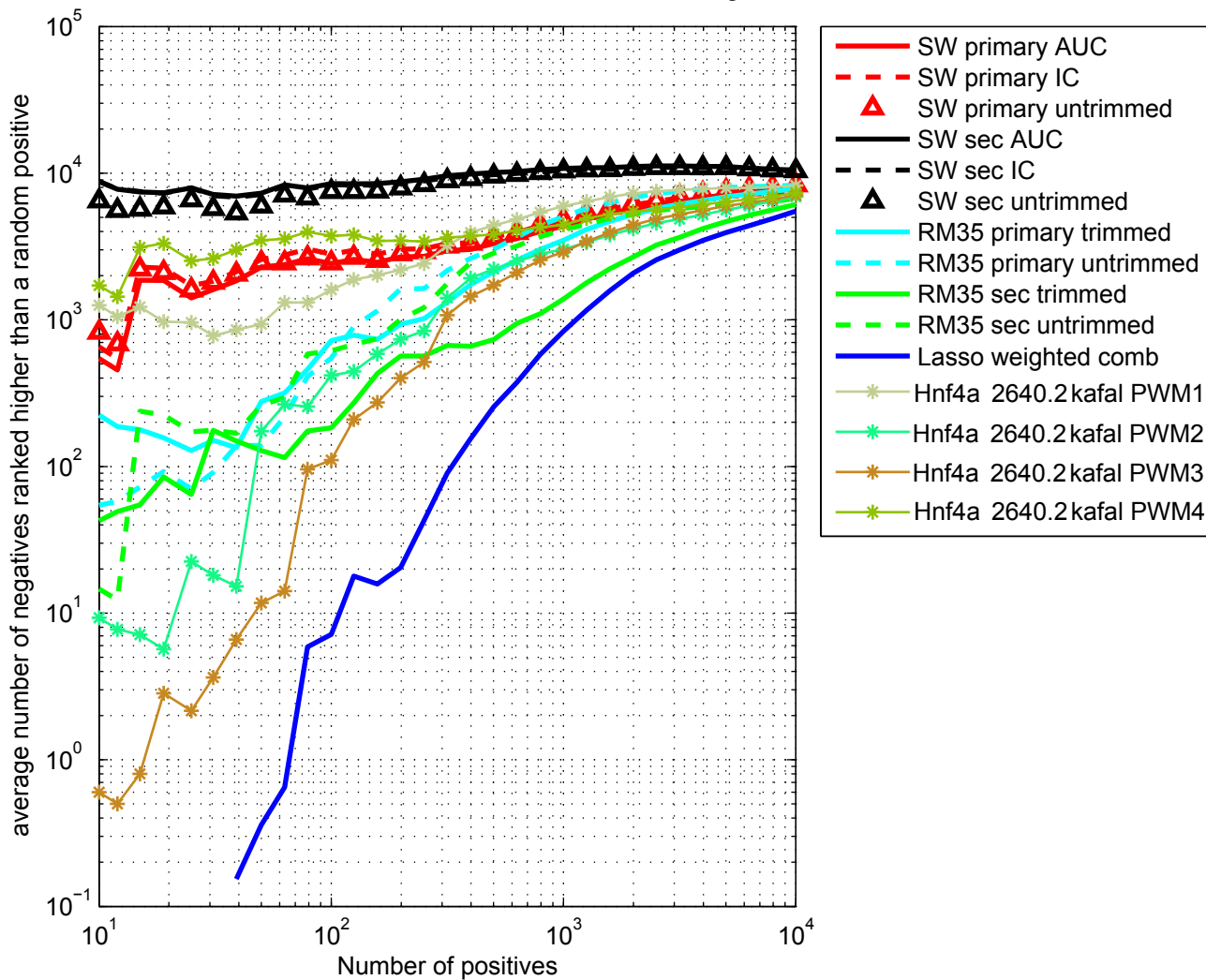
Gmeb1 1745.2 comb VSN normalized Zscore Averaged



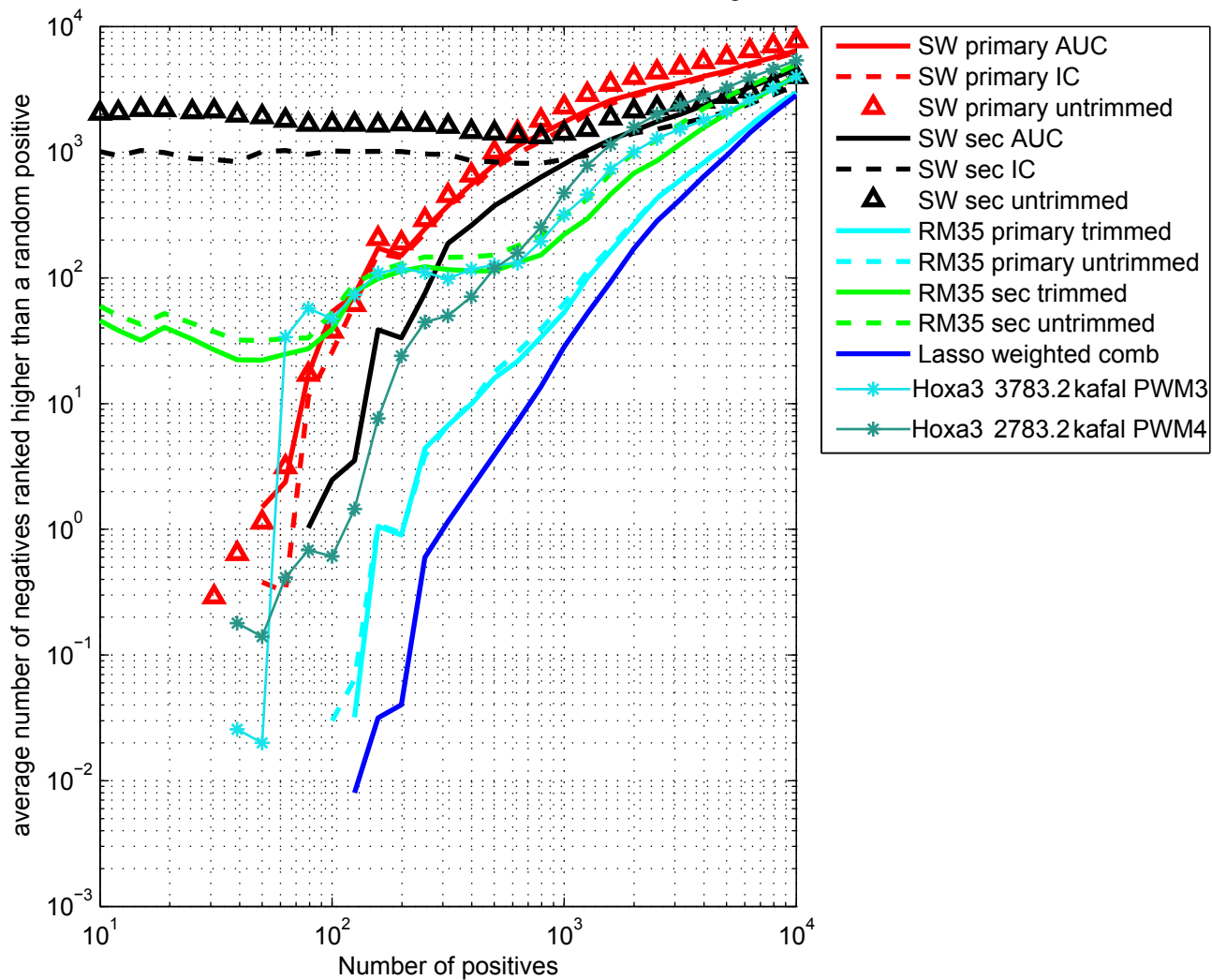
Hbp1 2241.2 comb VSN normalized Zscore Averaged



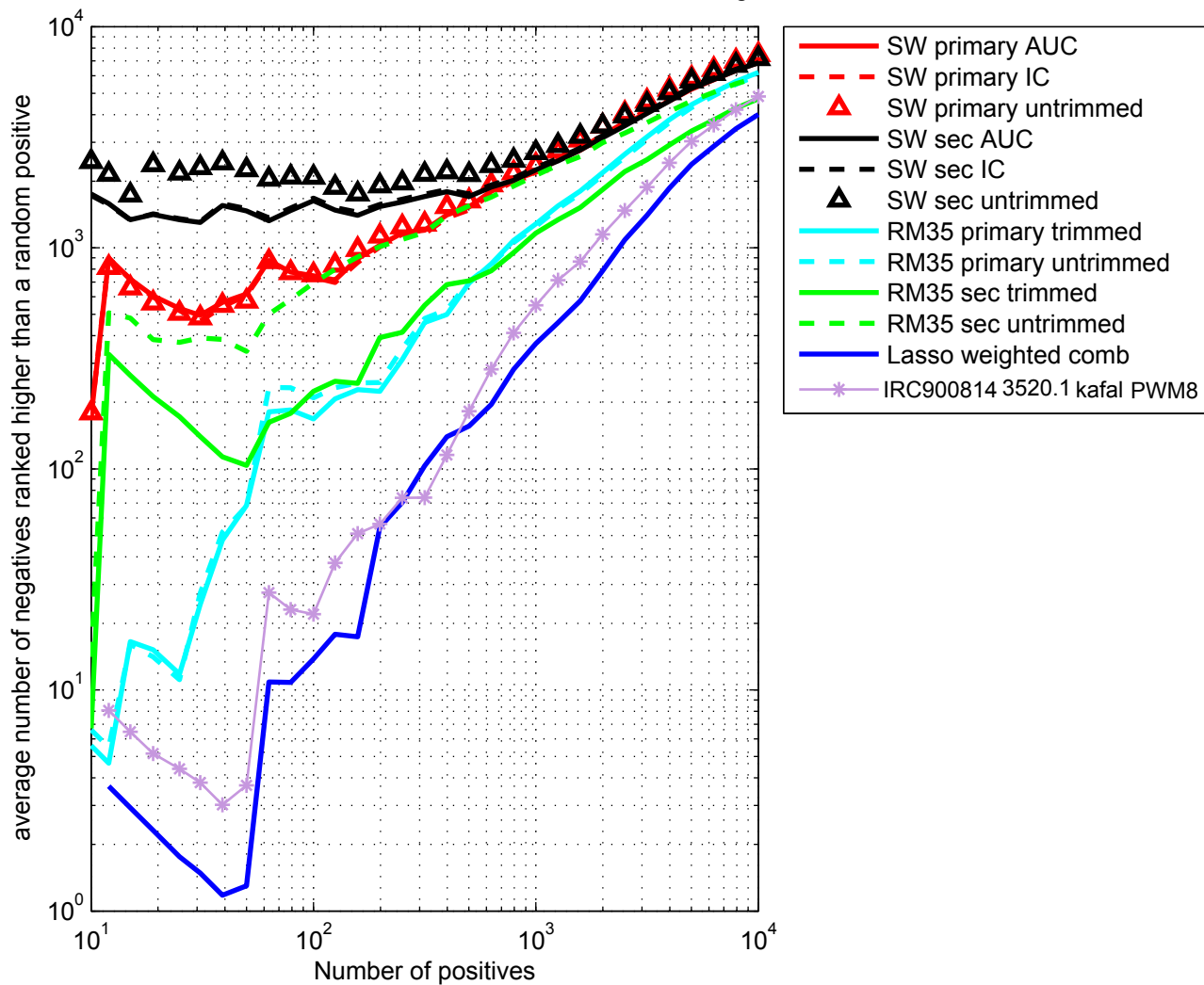
Hnf4a 2640.2 comb VSN normalized Zscore Averaged



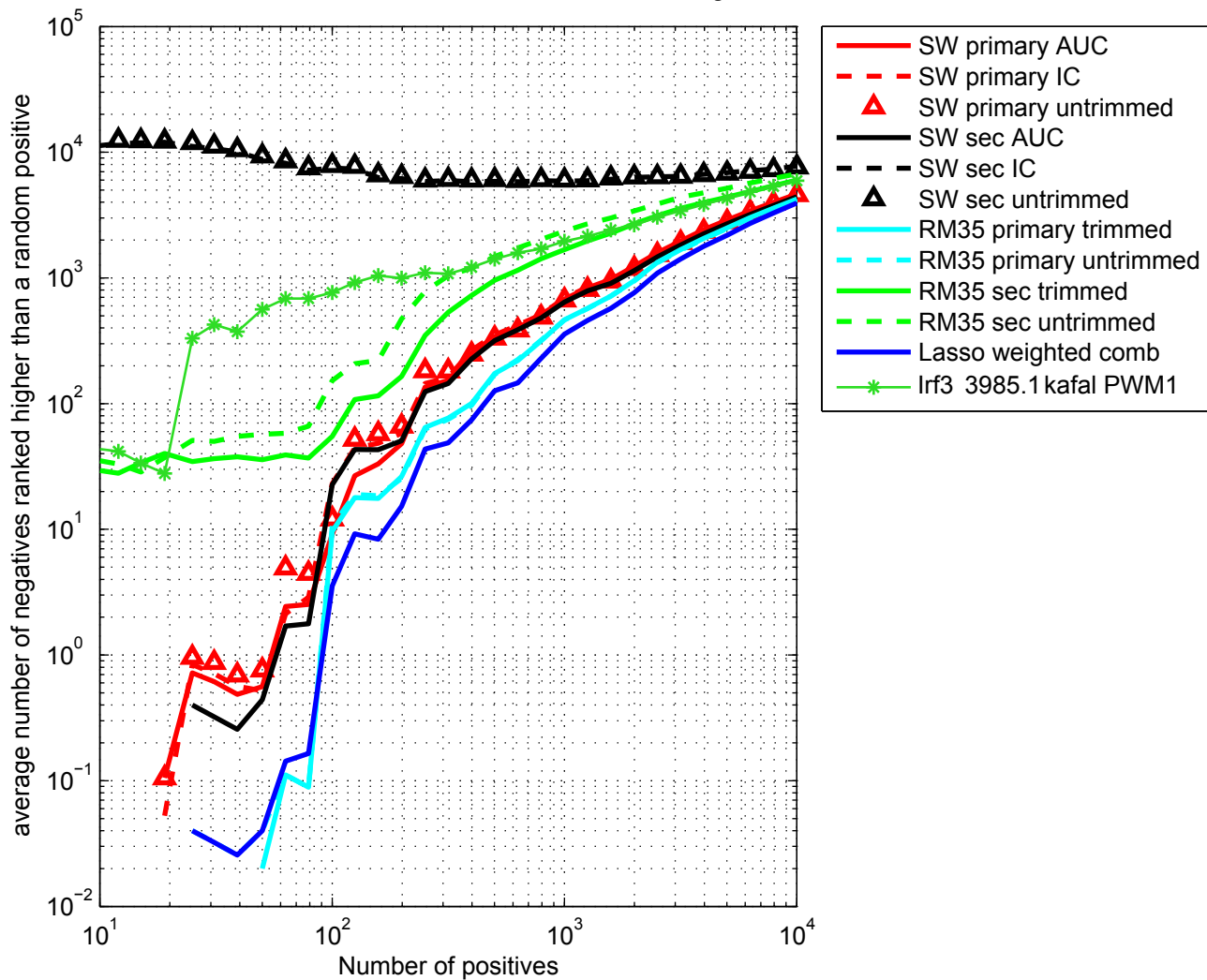
Hoxa3 2783.2 comb VSN normalized Zscore Averaged



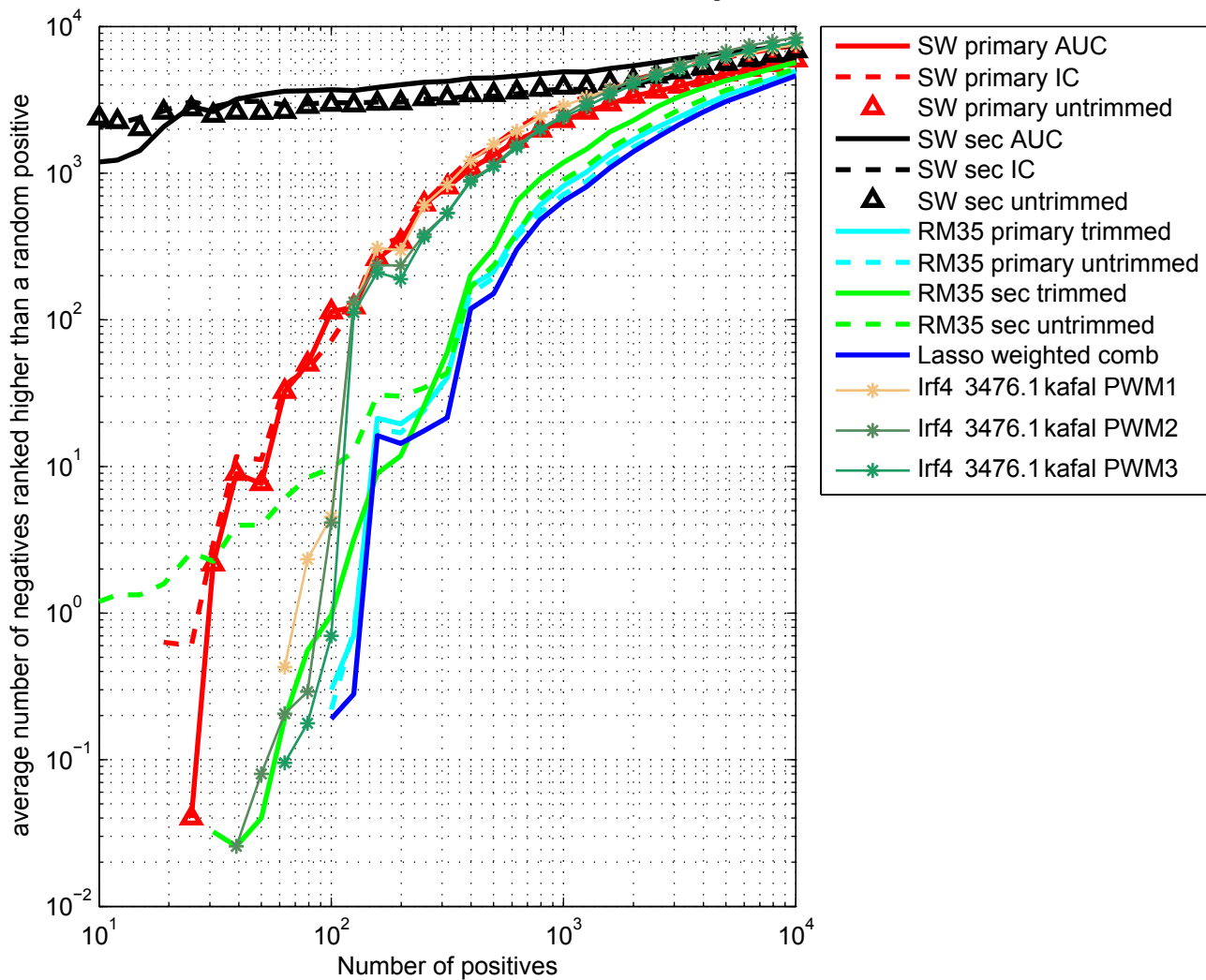
IRC900814 3520.1 comb VSN normalized Zscore Averaged



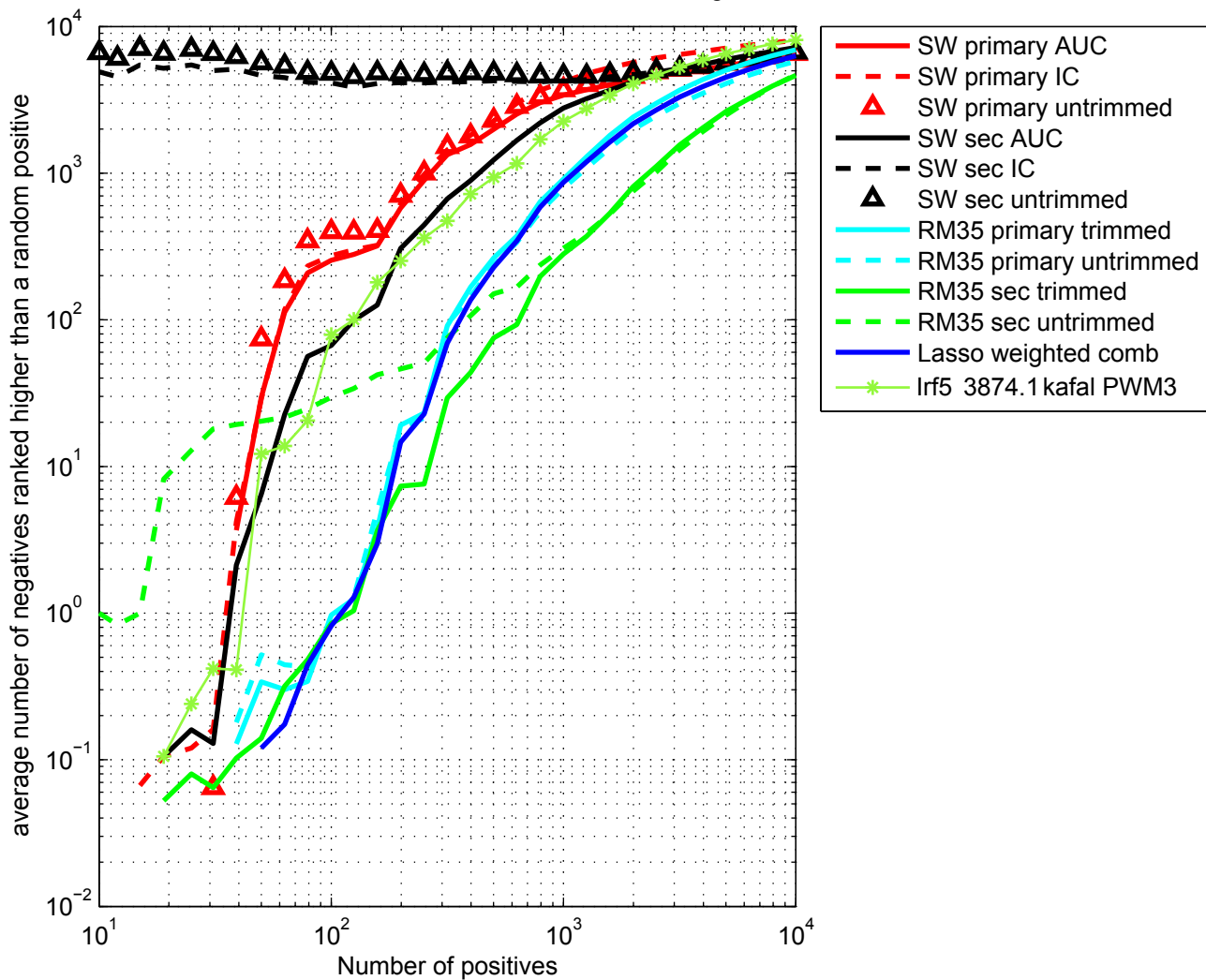
Irf3 3985.1 comb VSN normalized Zscore Averaged



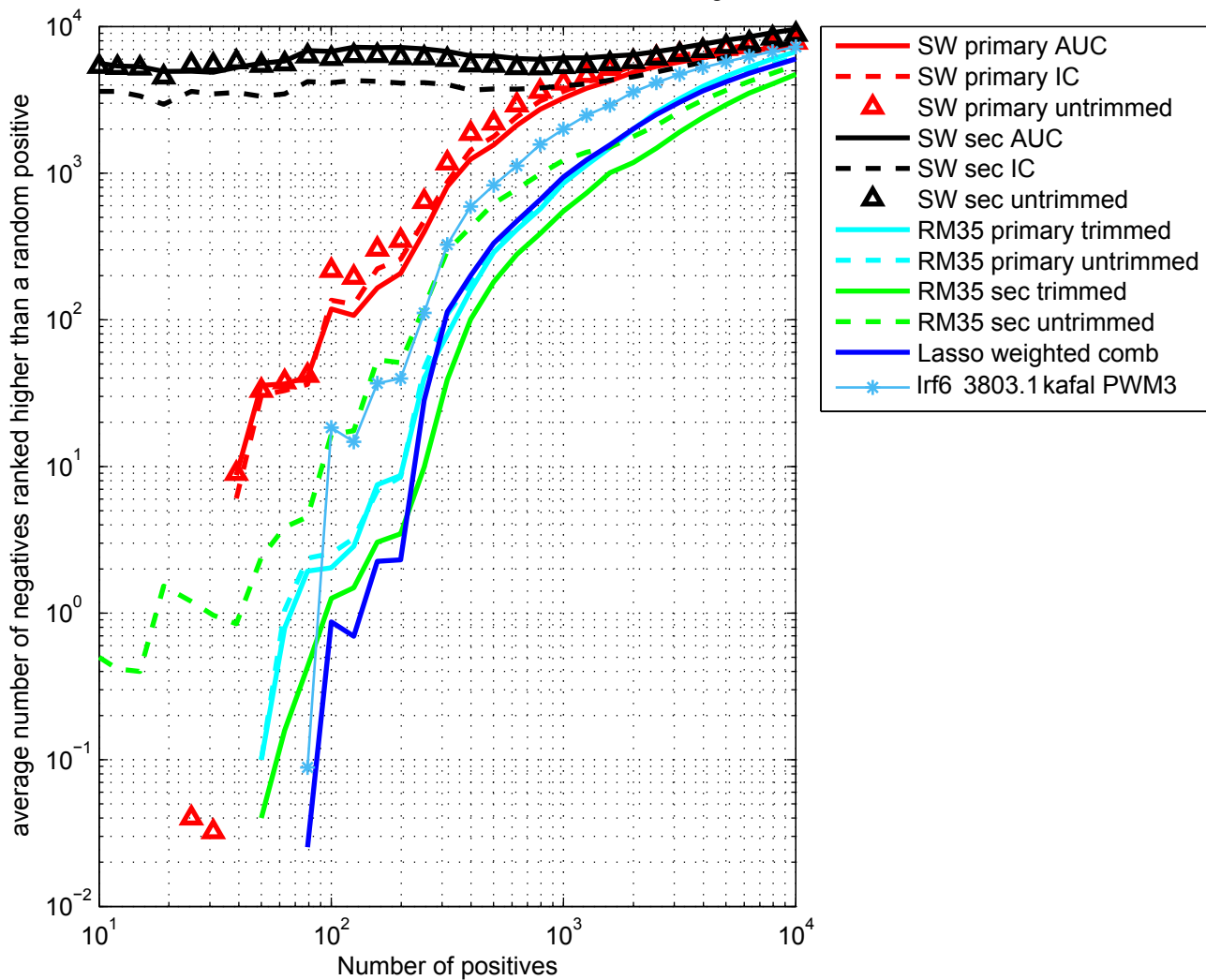
Irf4 3476.1 comb VSN normalized Zscore Averaged



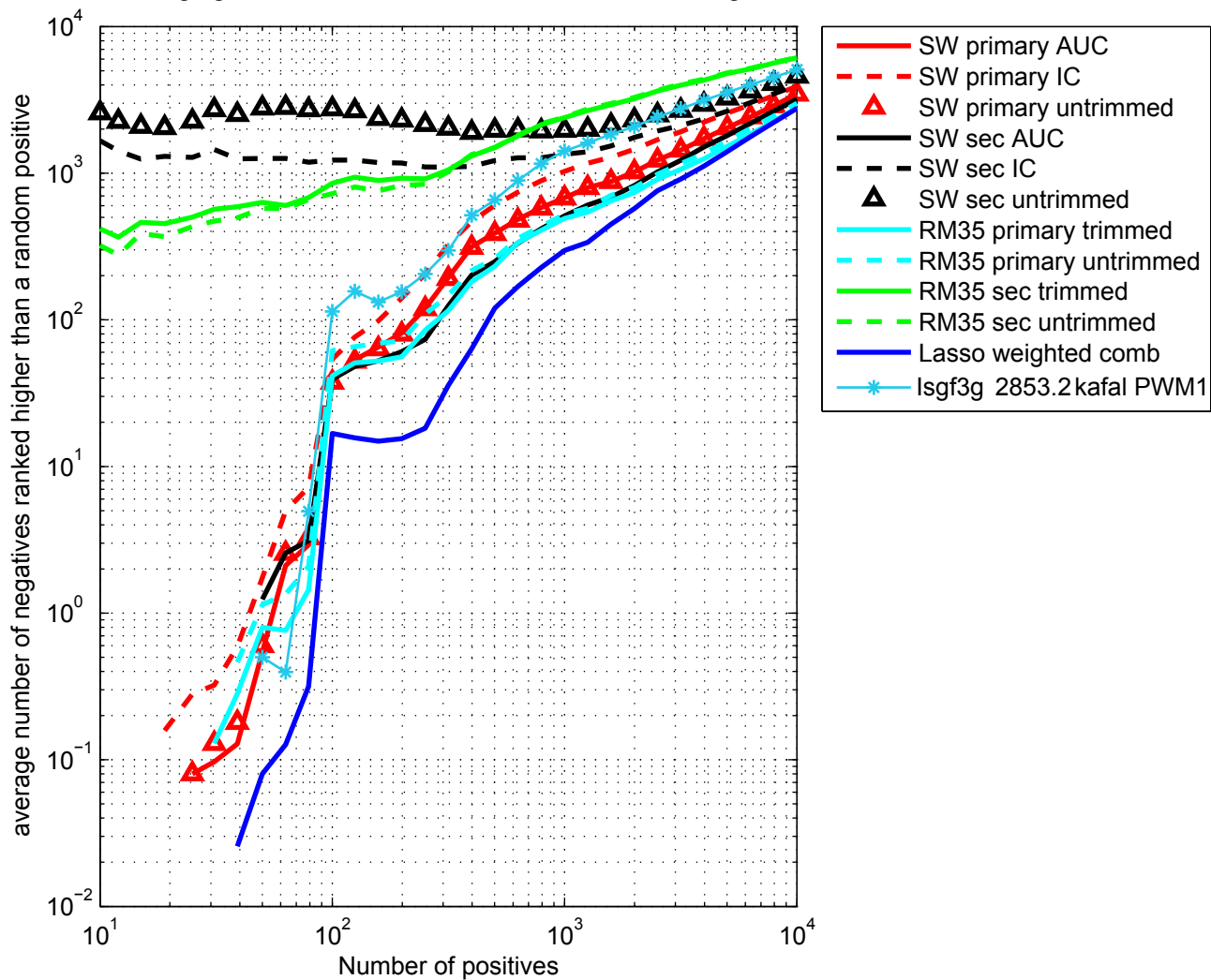
Irf5 3874.1 comb VSN normalized Zscore Averaged



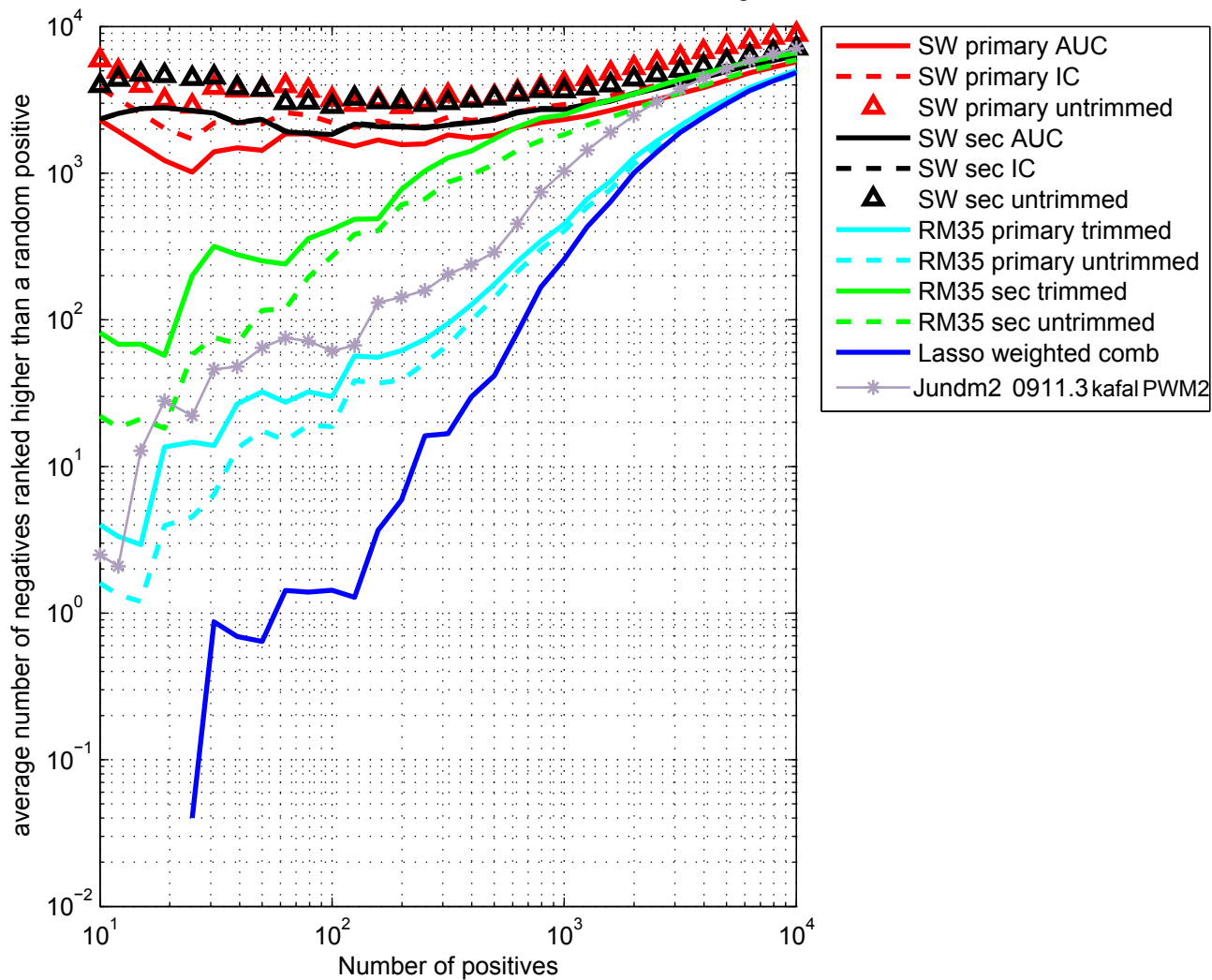
Irf6 3803.1 comb VSN normalized Zscore Averaged



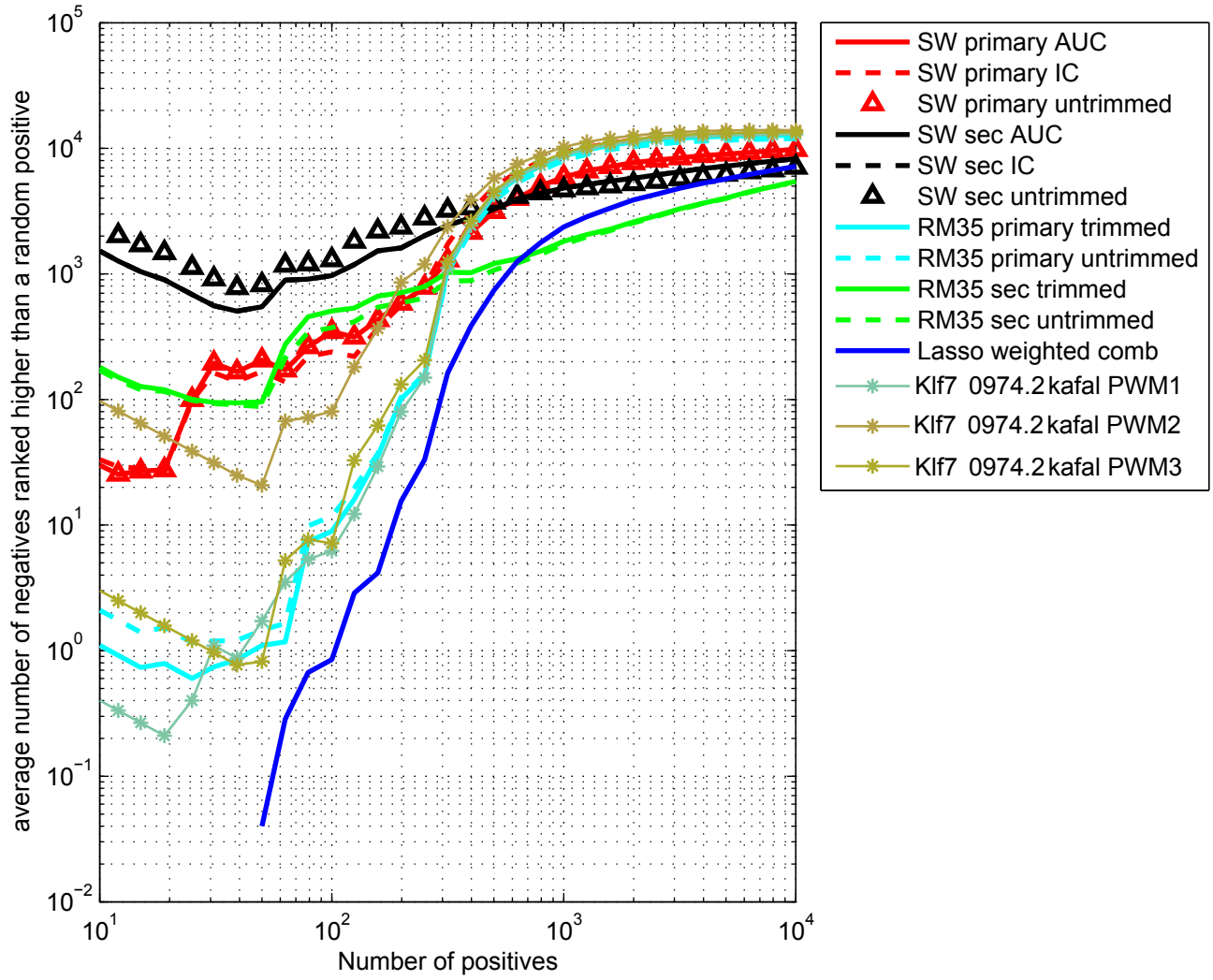
Isgf3g 2853.2 comb VSN normalized Zscore Averaged



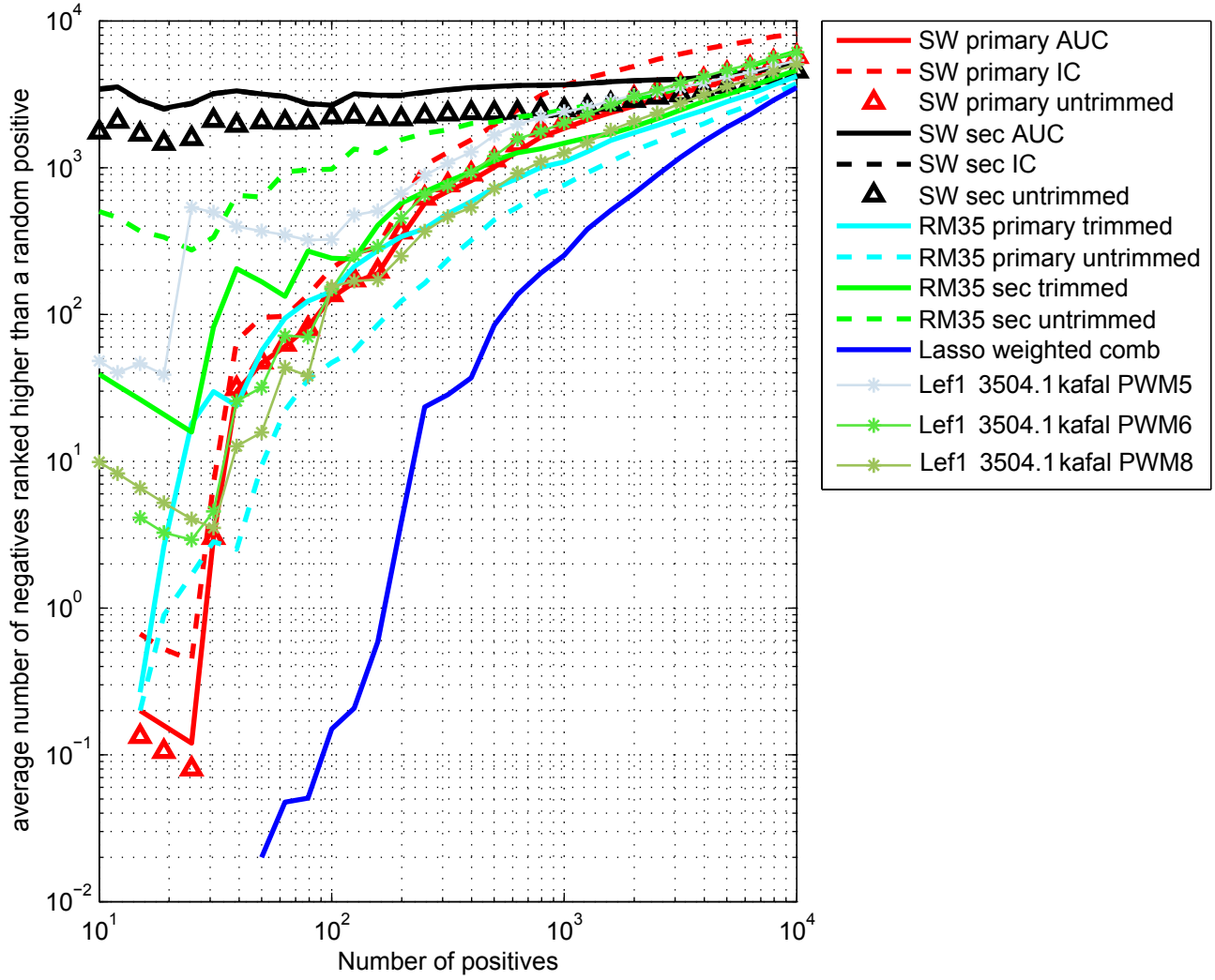
Jundm2 0911.3 comb VSN normalized Zscore Averaged



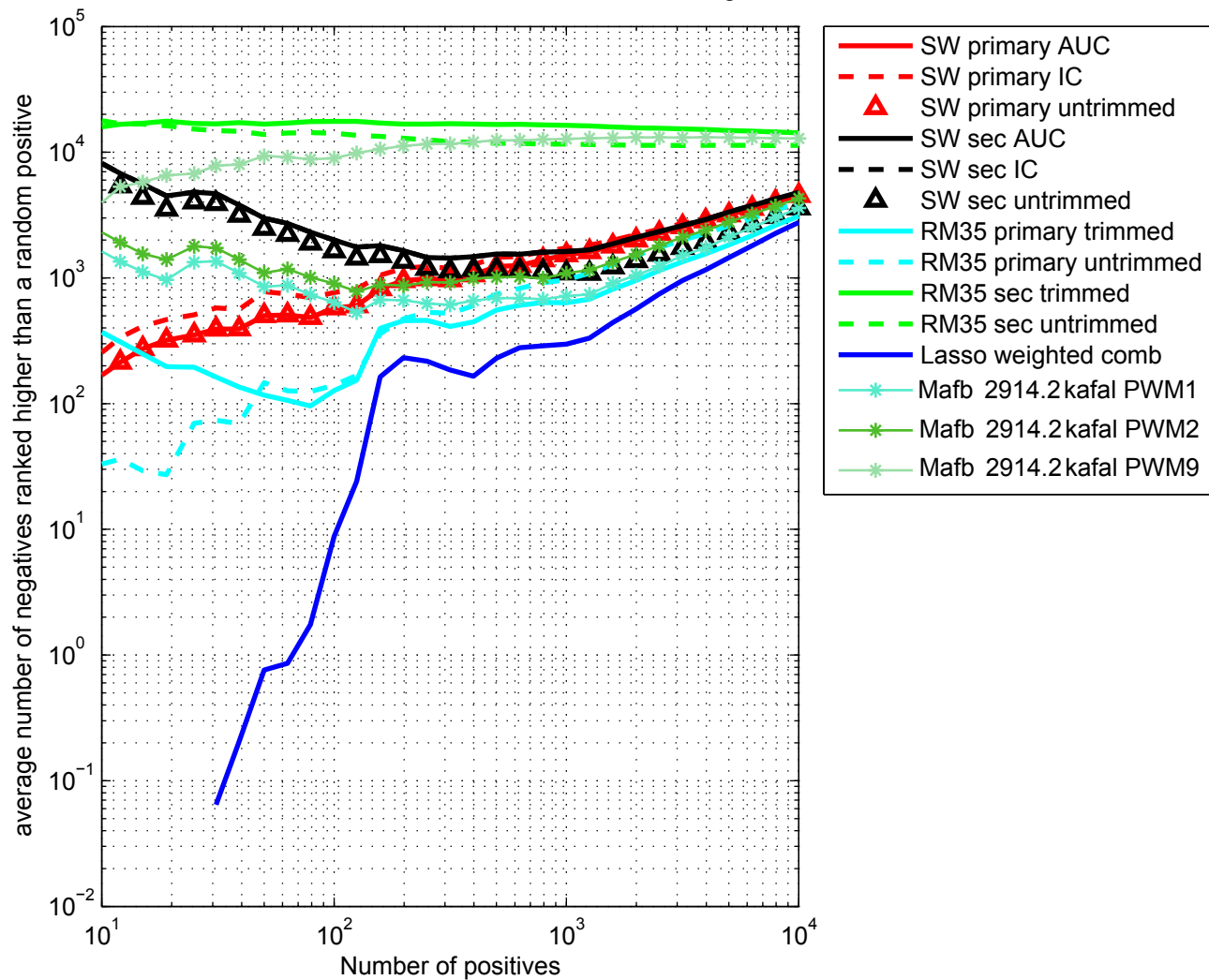
Klf7 0974.2 comb VSN normalized Zscore Averaged



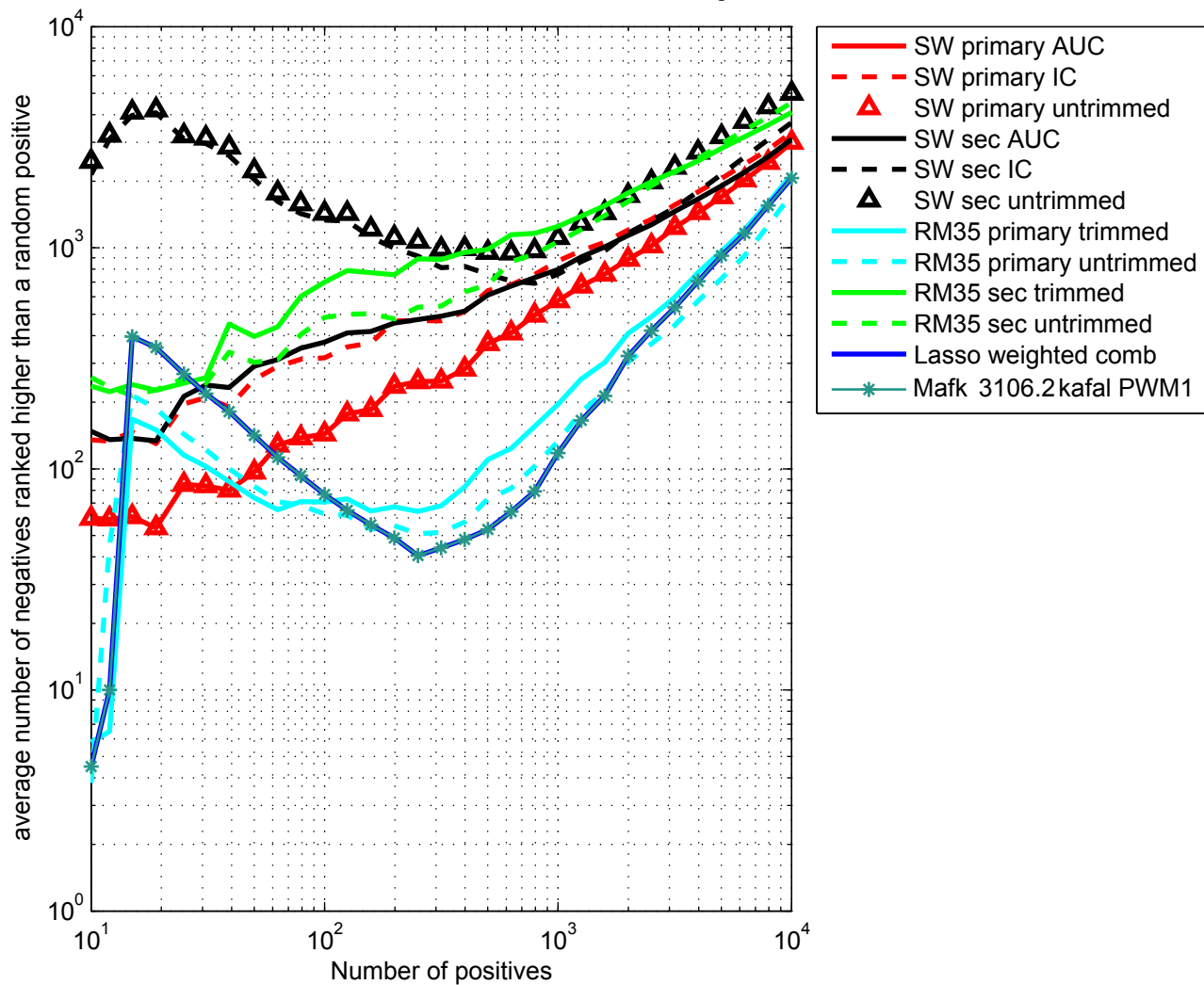
Lef1 3504.1 comb VSN normalized Zscore Averaged



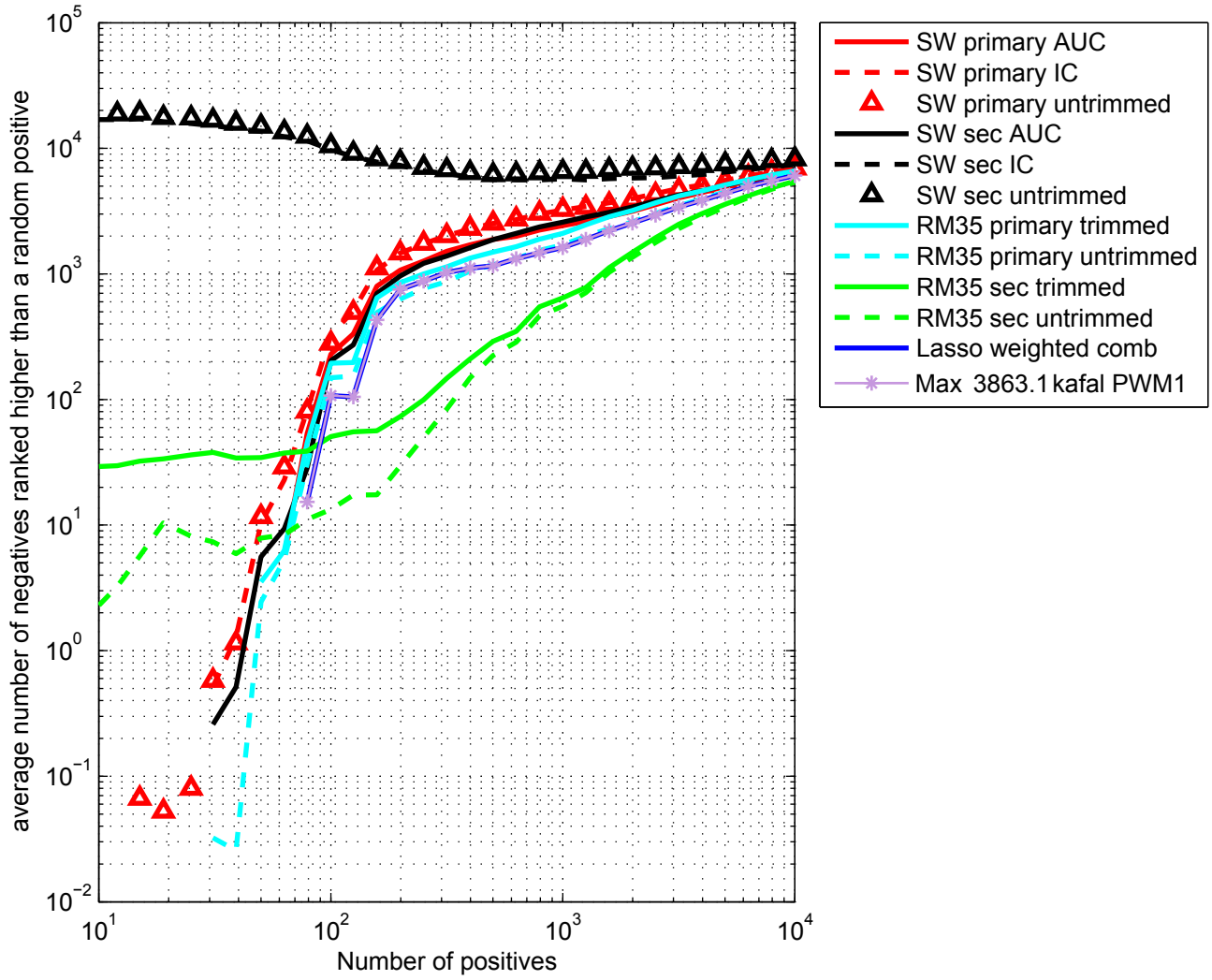
Mafb 2914.2 comb VSN normalized Zscore Averaged



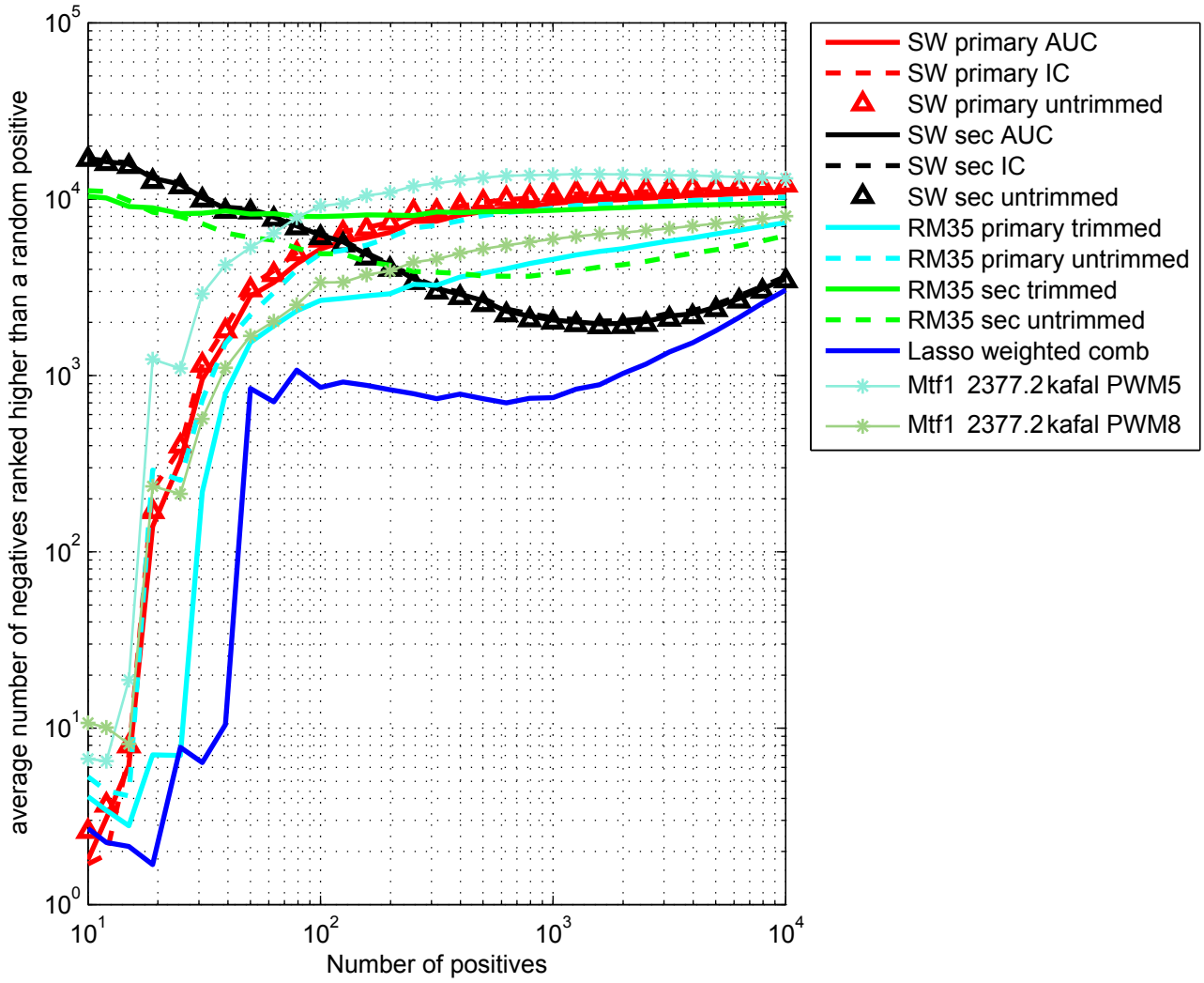
Mafk 3106.2 comb VSN normalized Zscore Averaged



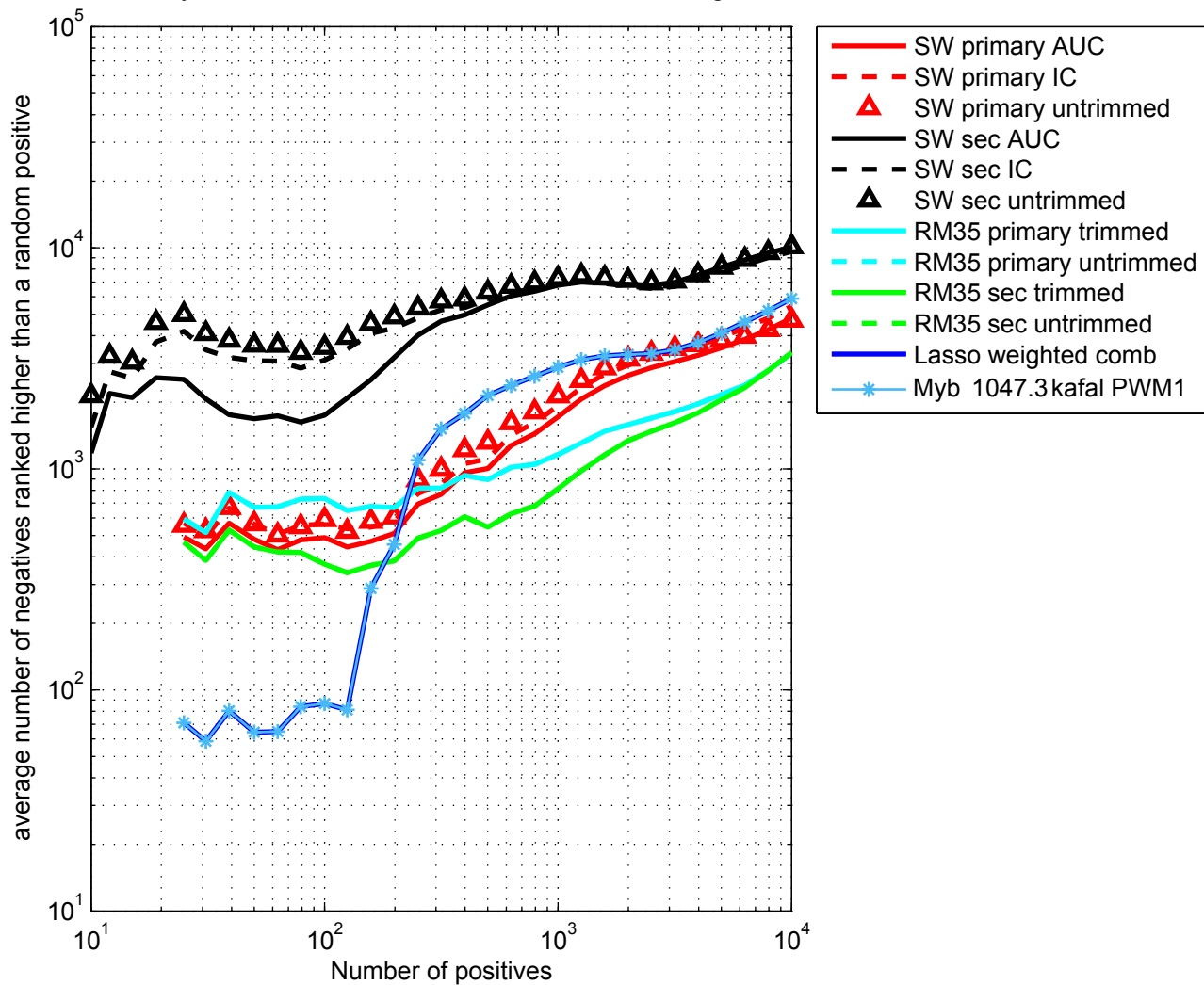
Max 3863.1 comb VSN normalized Zscore Averaged



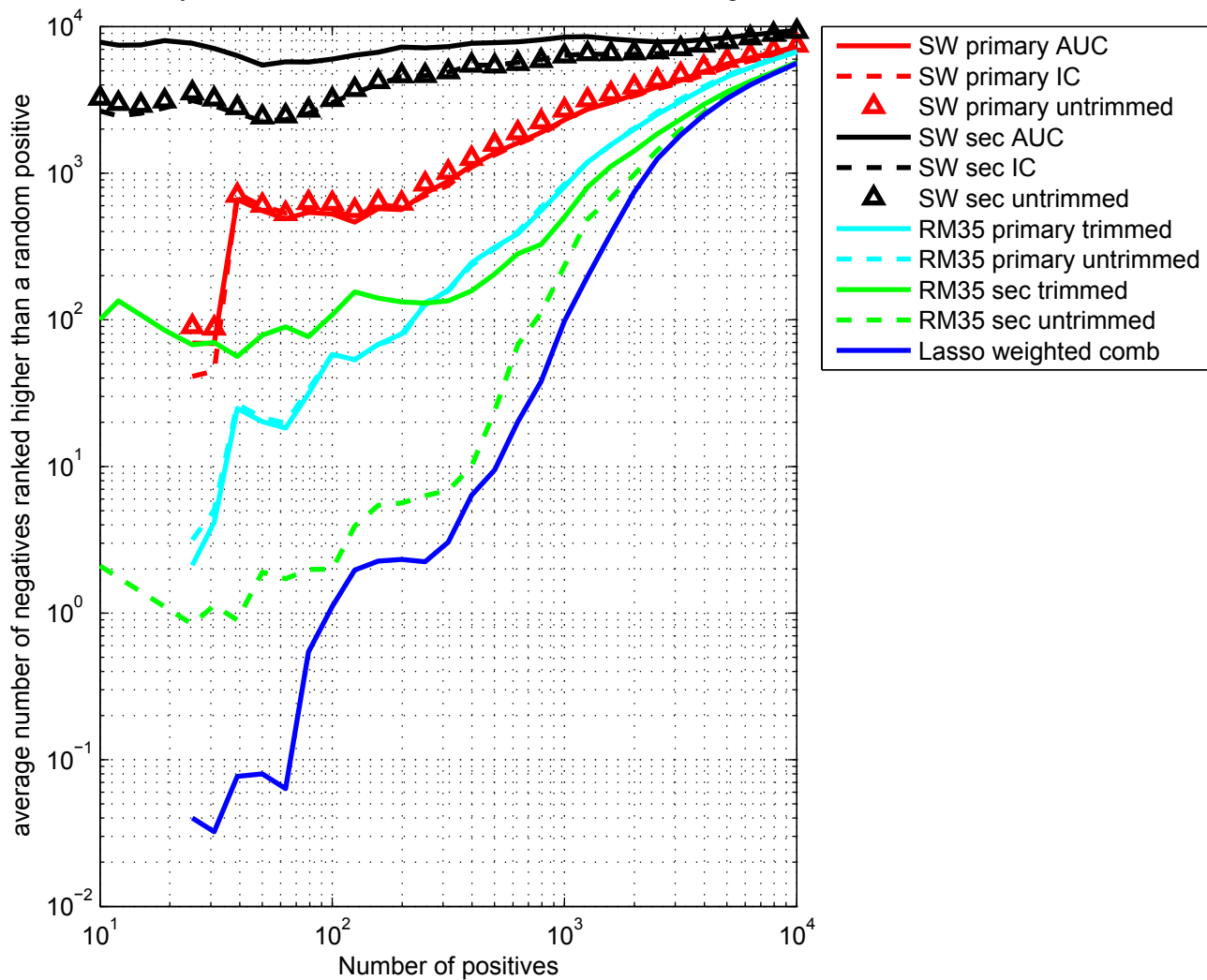
Mtf1 2377.3 comb VSN normalized Zscore Averaged



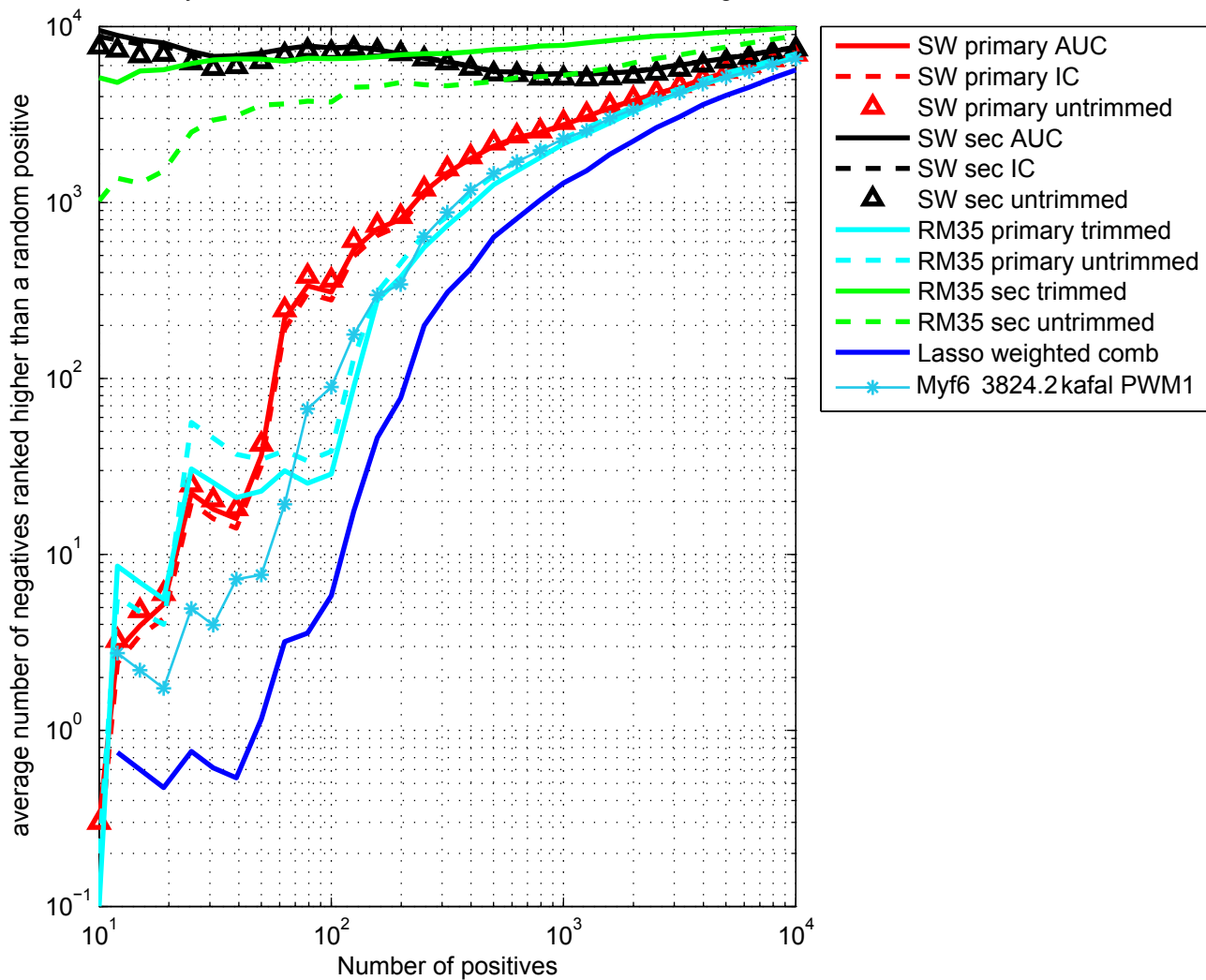
Myb 1047.3 comb VSN normalized Zscore Averaged



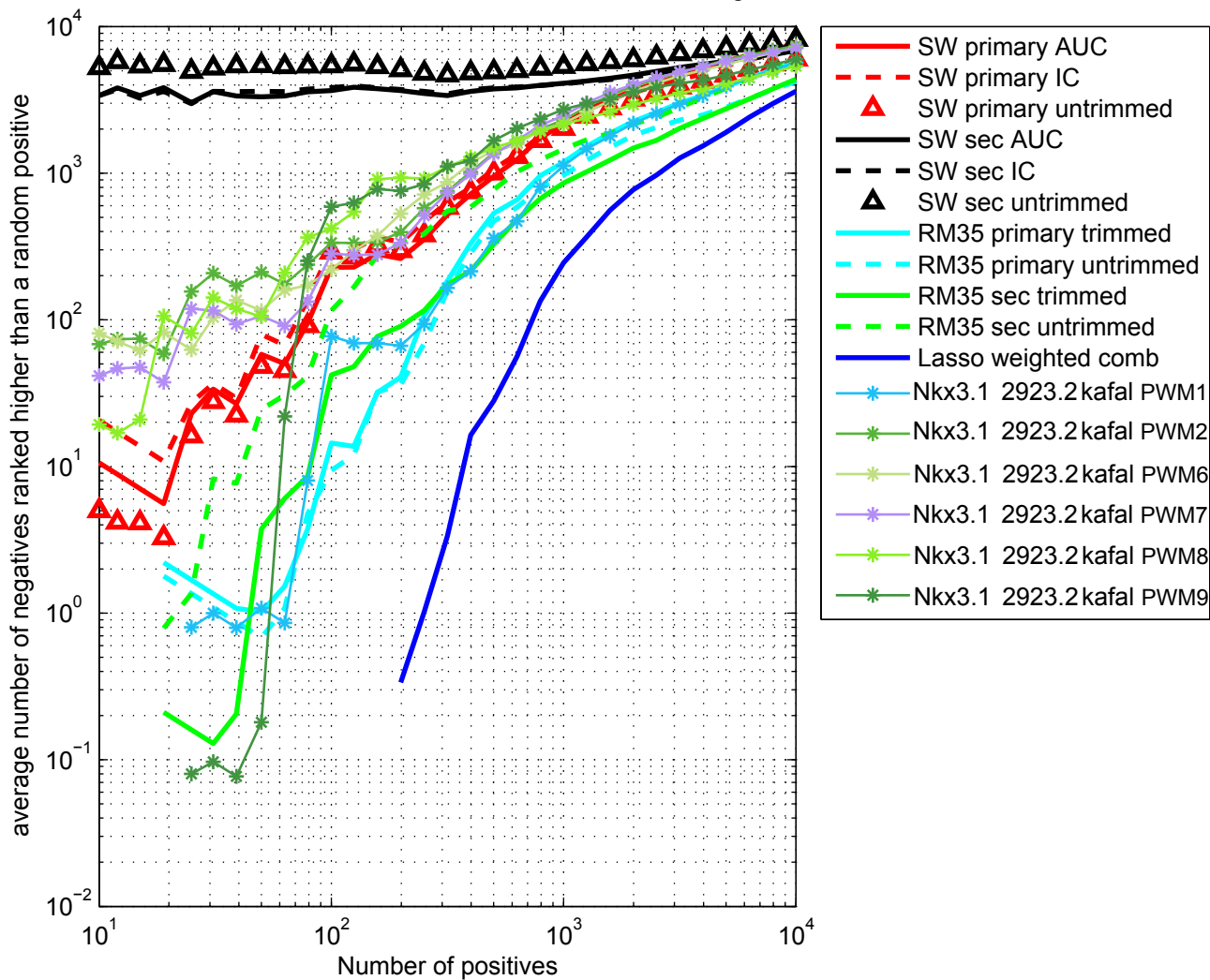
Mybl1 1717.2 comb VSN normalized Zscore Averaged



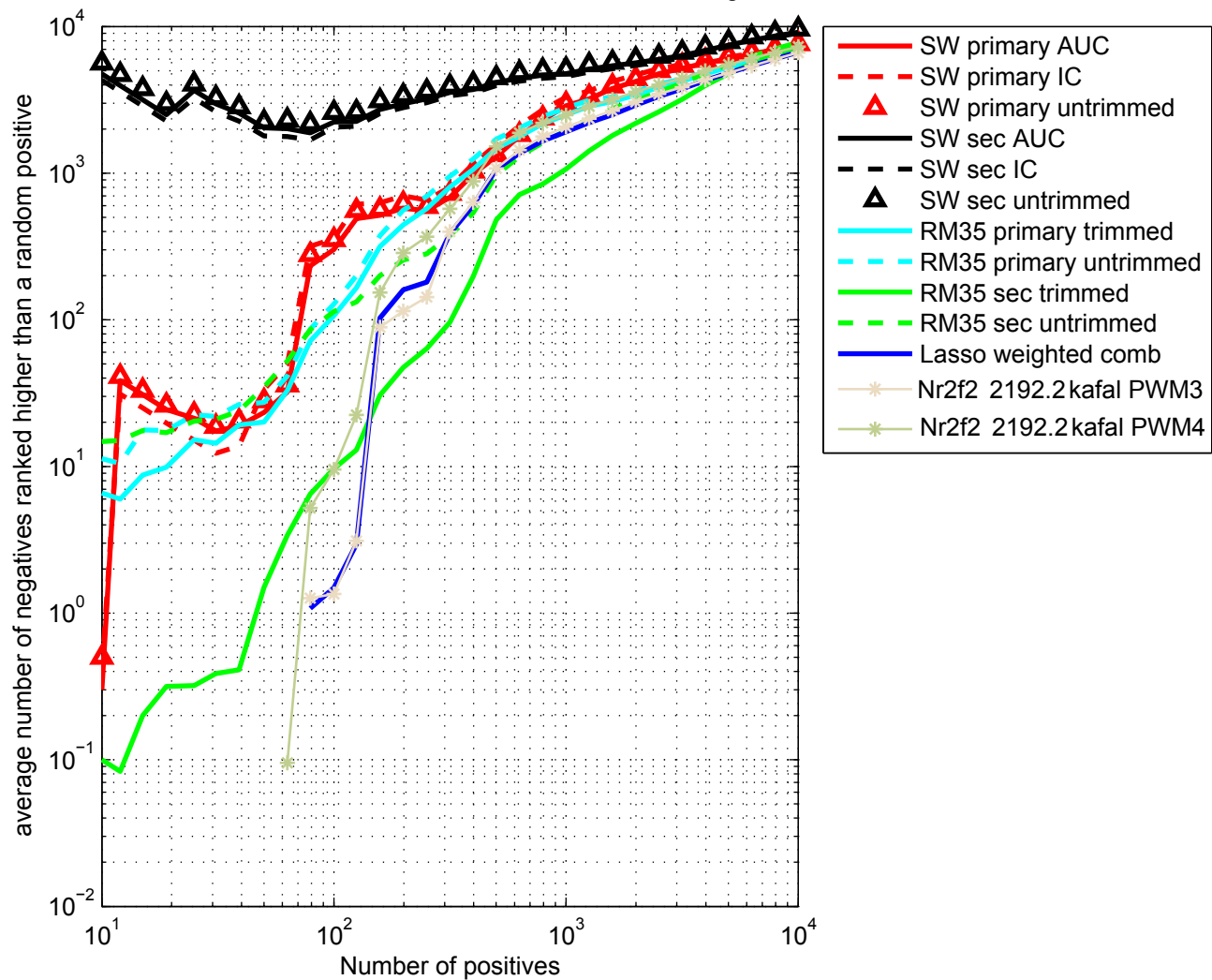
Myf6 3824.2 comb VSN normalized Zscore Averaged



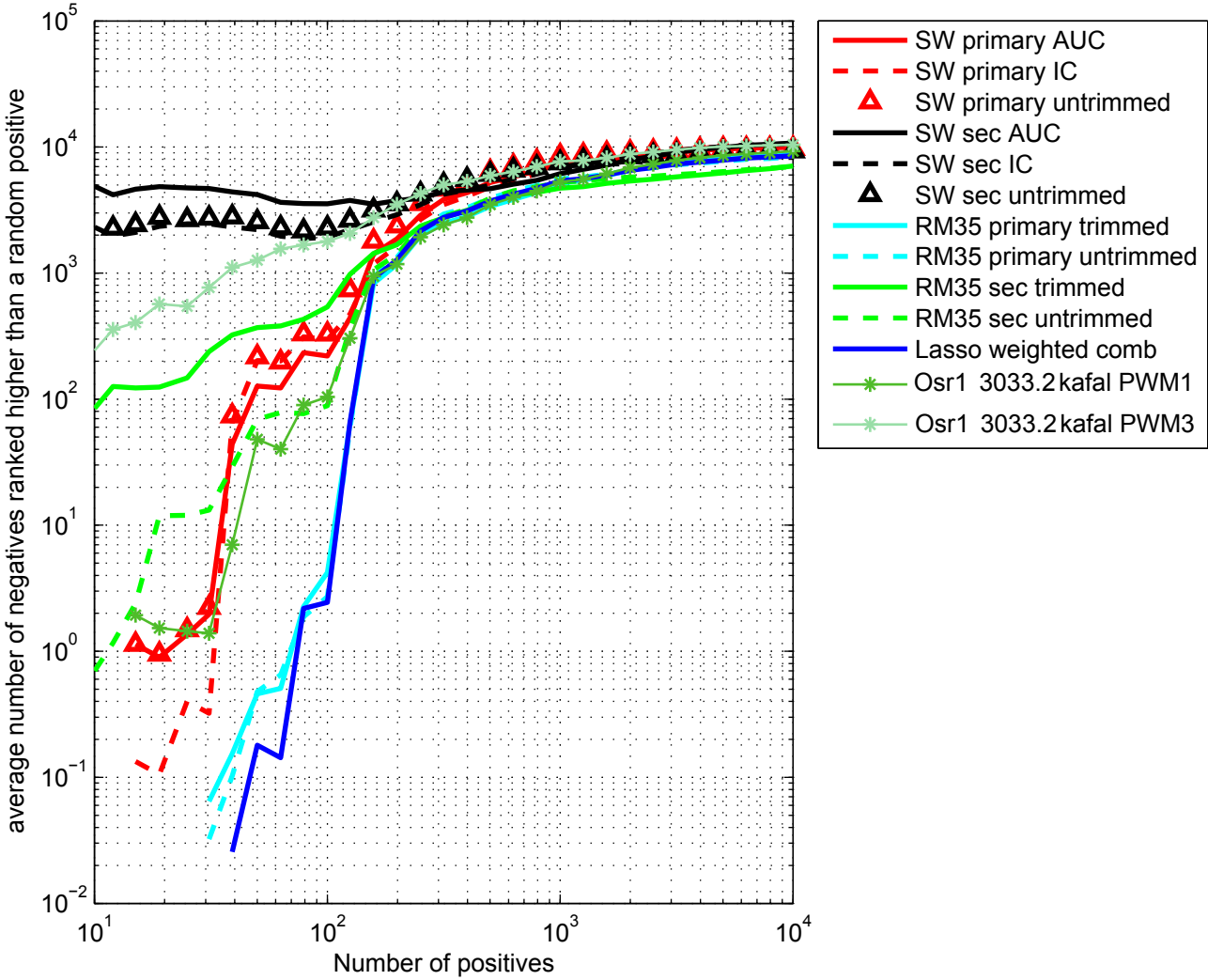
Nkx3.1 2923.2 comb VSN normalized Zscore Averaged



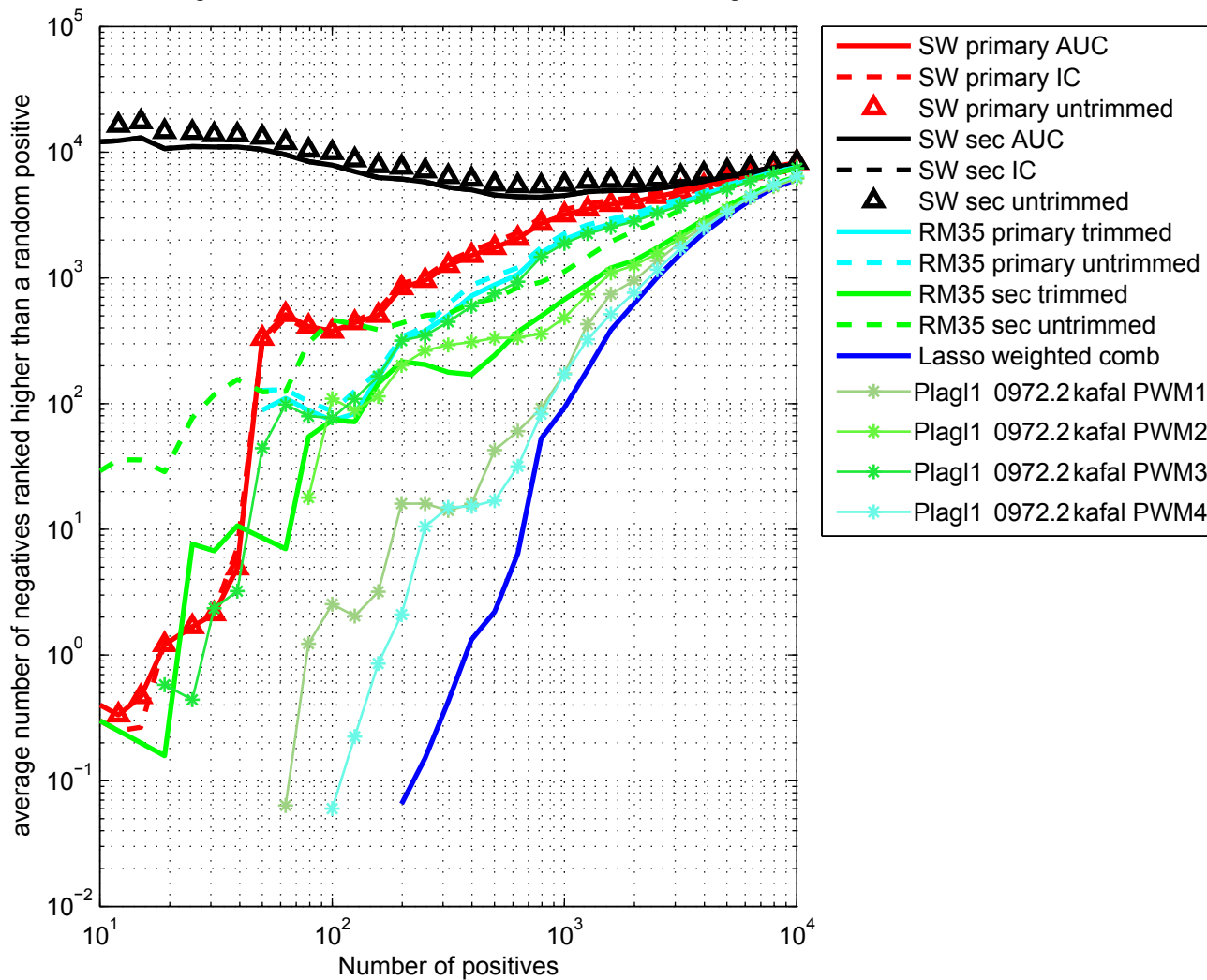
Nr2f2 2192.2 comb VSN normalized Zscore Averaged



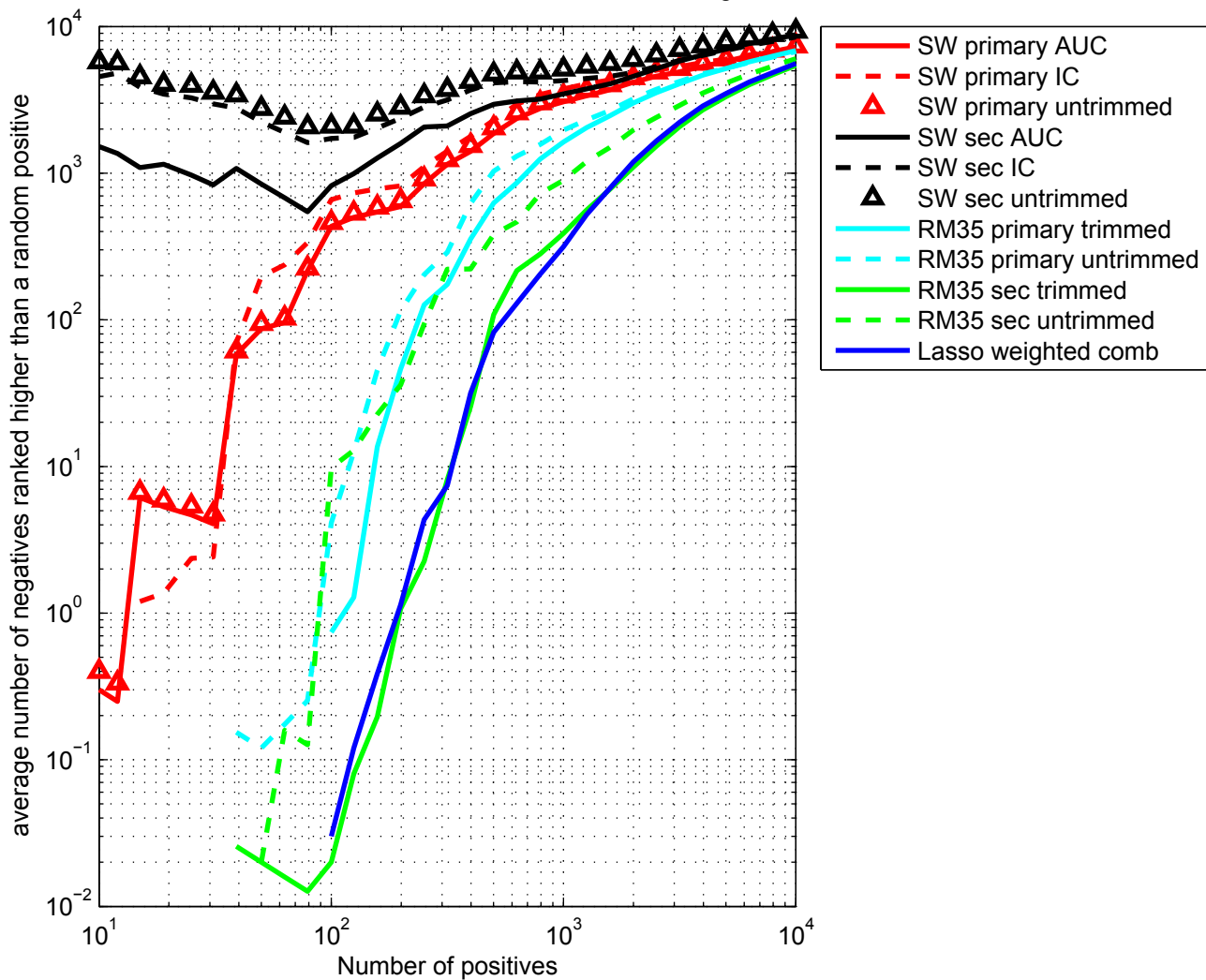
Osr1 3033.2 comb VSN normalized Zscore Averaged



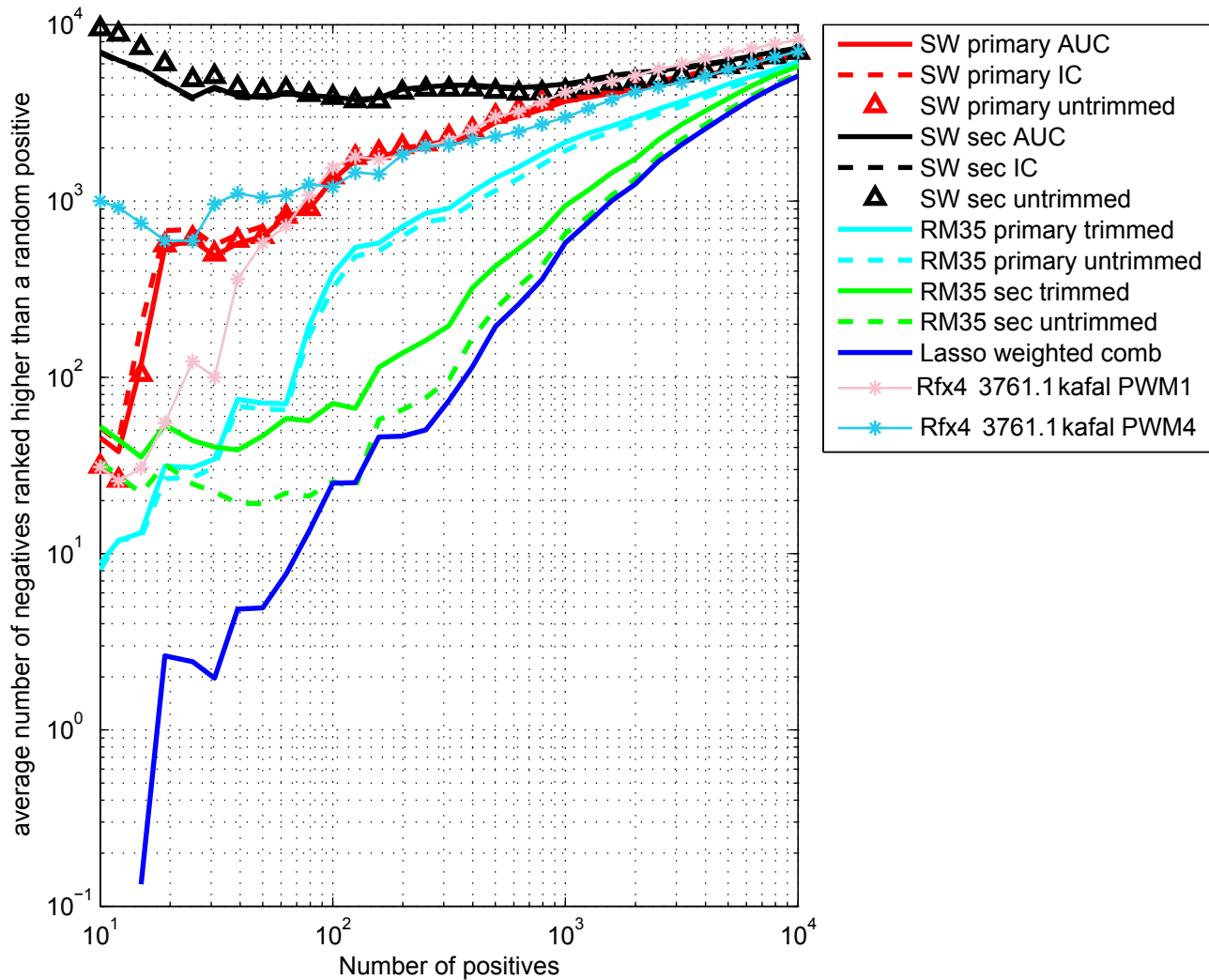
Plagl1 0972.2 comb VSN normalized Zscore Averaged



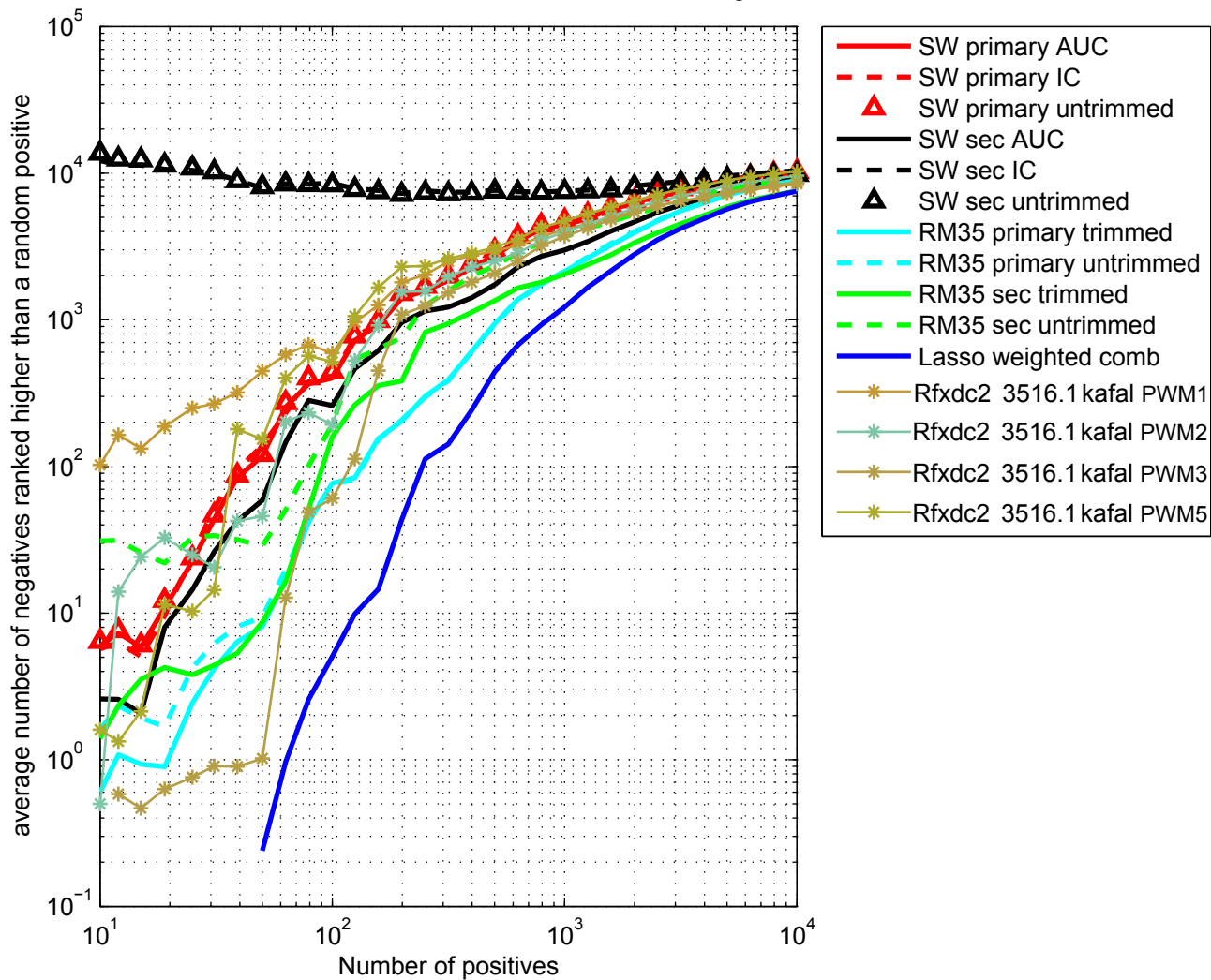
Rara 1051.3 comb VSN normalized Zscore Averaged



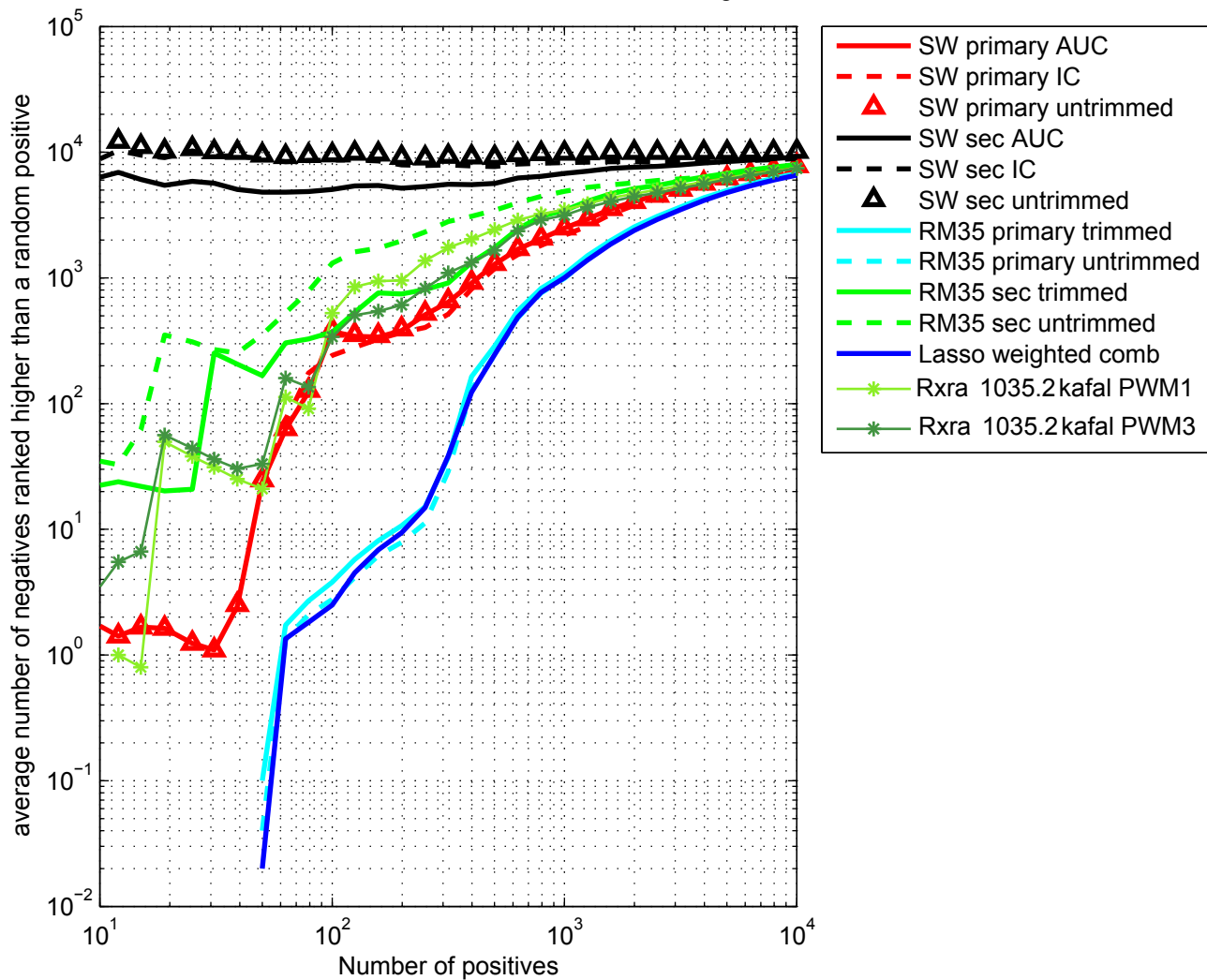
Rfx4 3761.1 comb VSN normalized Zscore Averaged



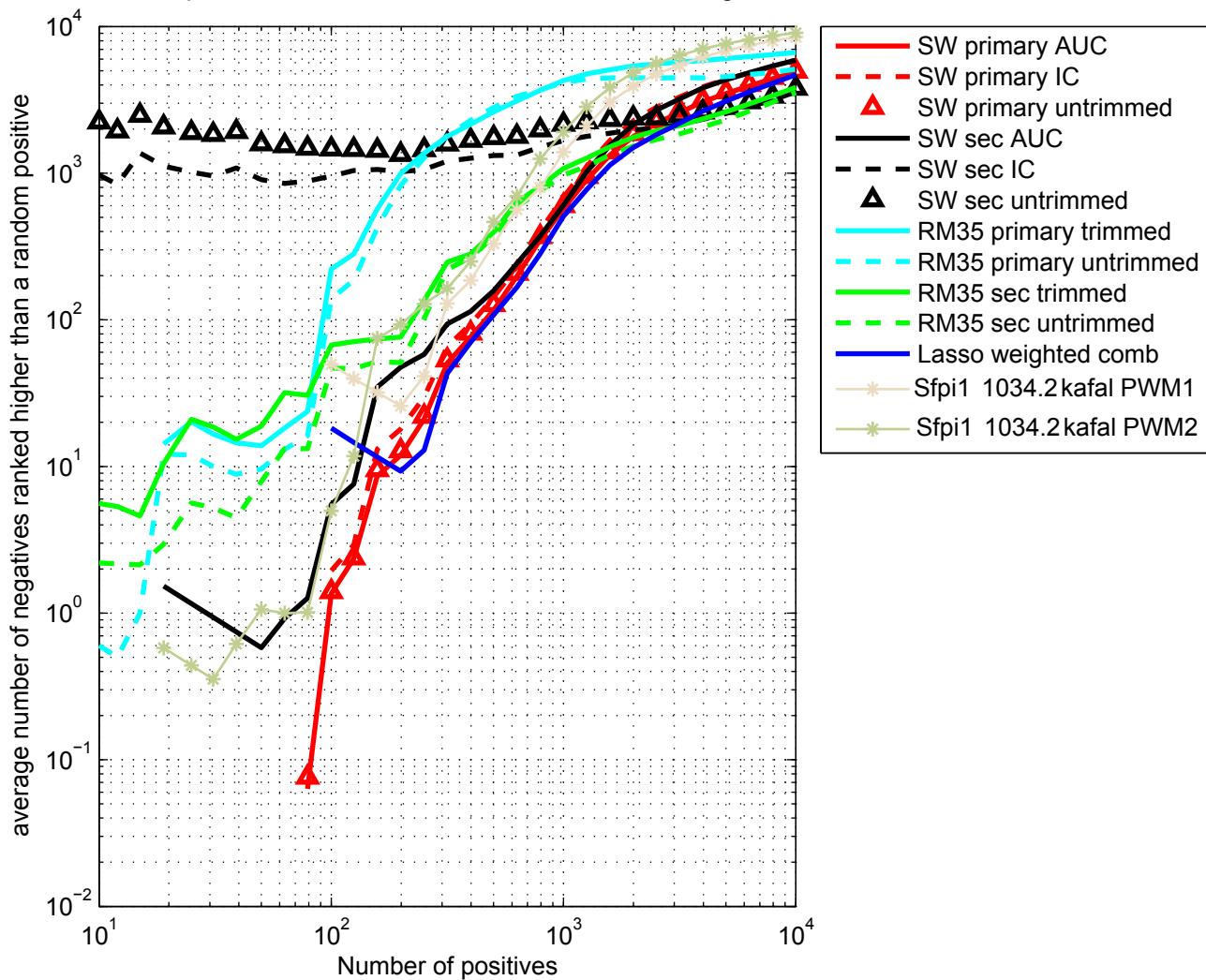
Rfxdc2 3516.1 comb VSN normalized Zscore Averaged



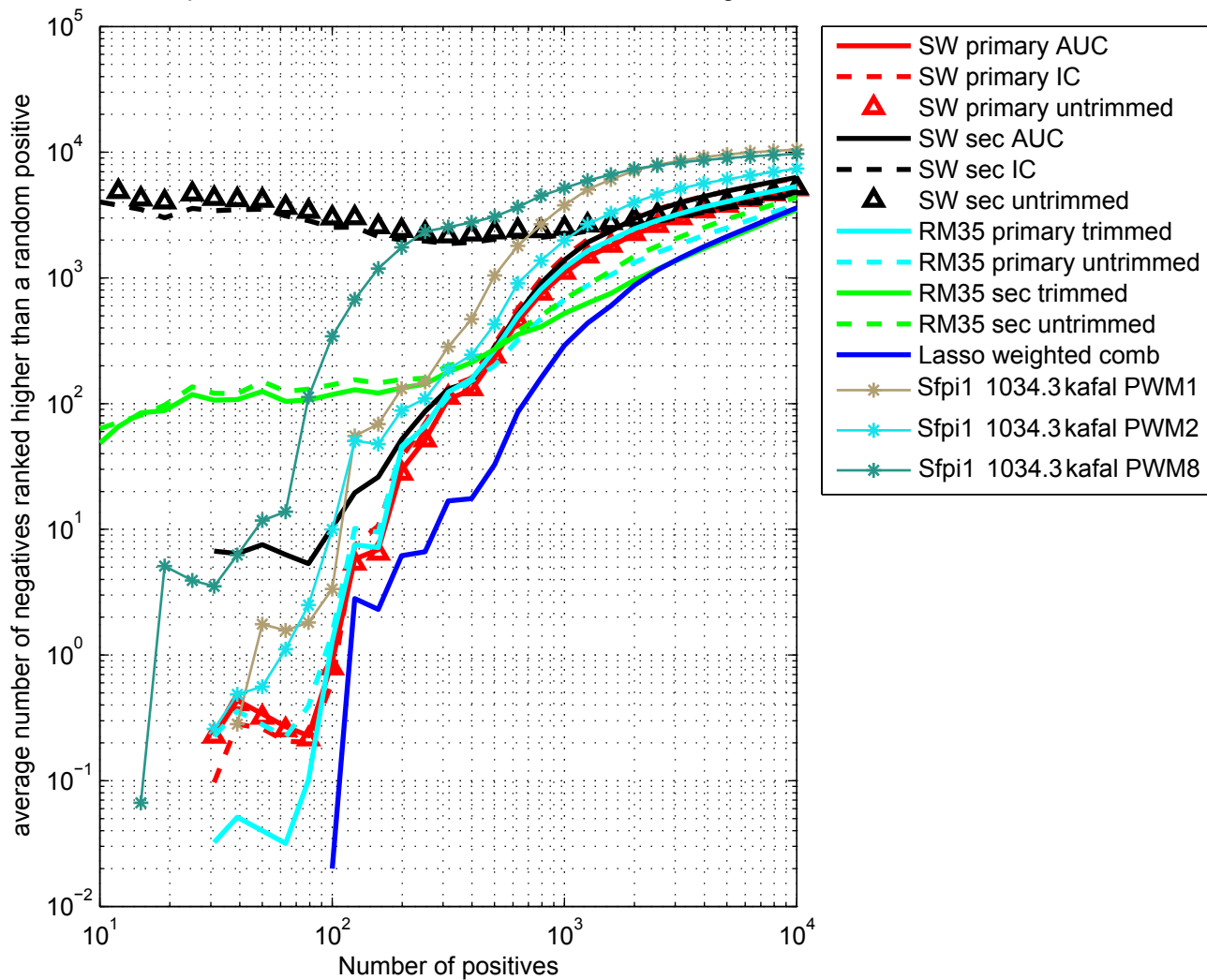
Rxra 1035.2 comb VSN normalized Zscore Averaged



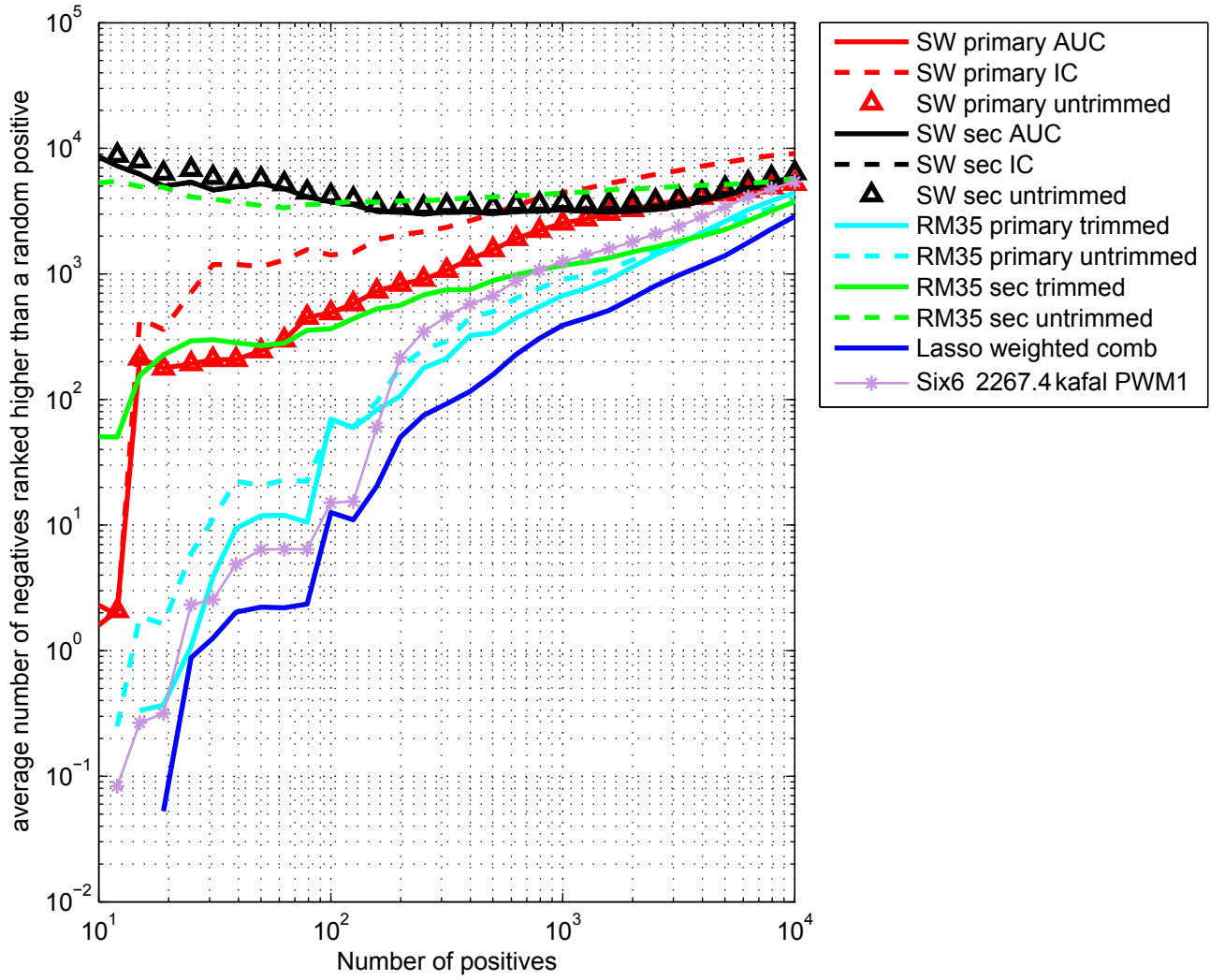
Sfpi1 1034.2 comb VSN normalized Zscore Averaged



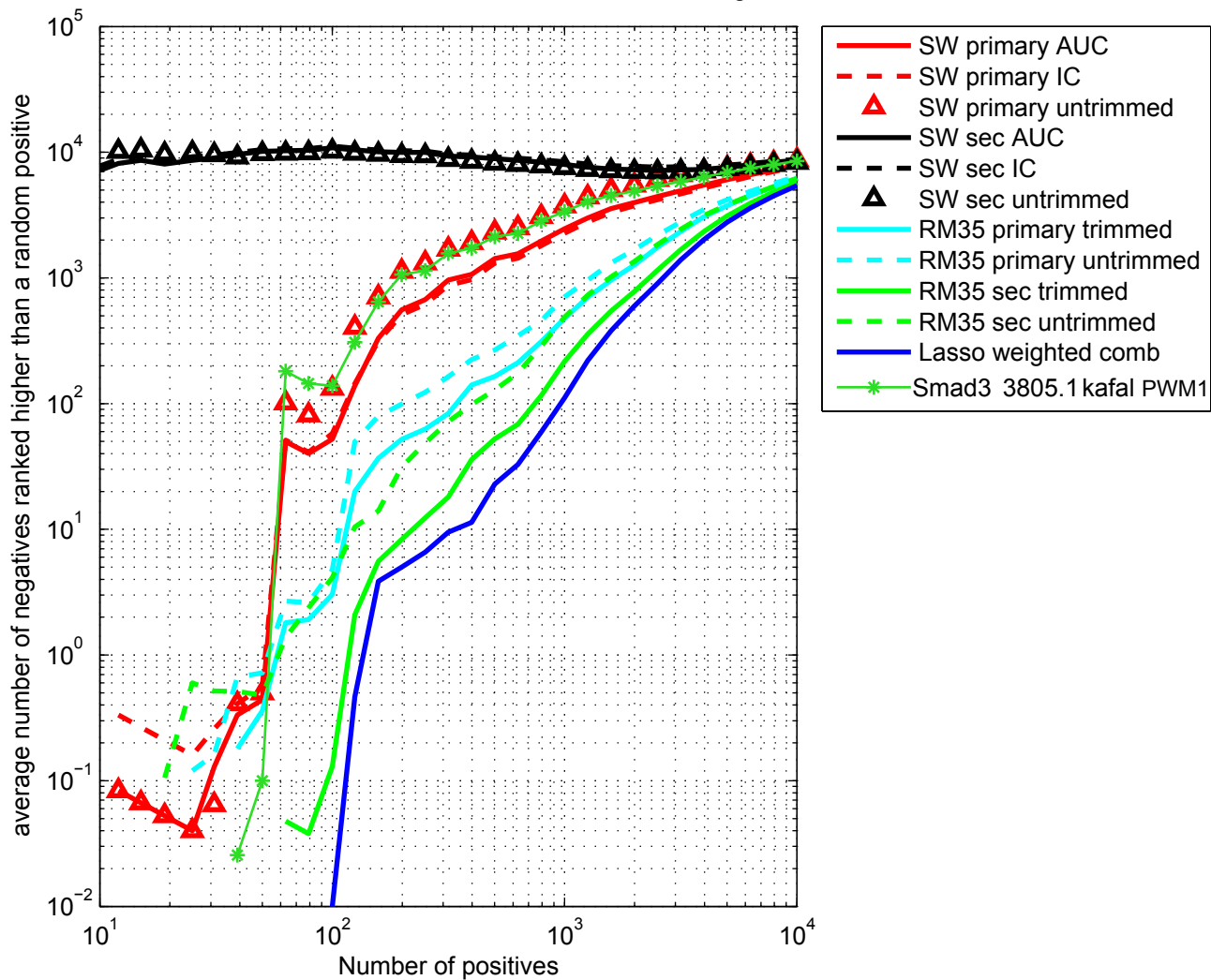
Sfpi1 1034.3 comb VSN normalized Zscore Averaged



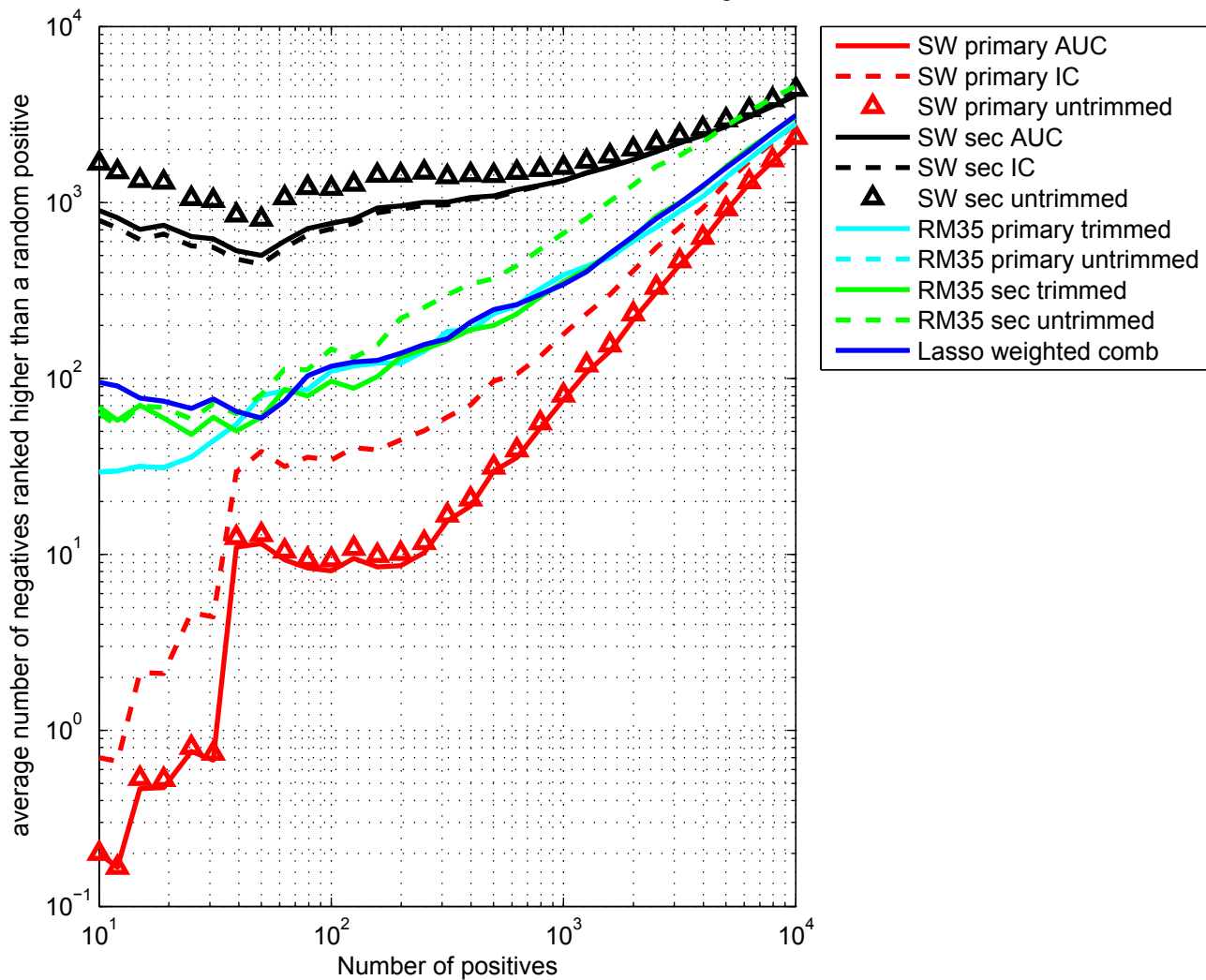
Six6 2267.4 comb VSN normalized Zscore Averaged



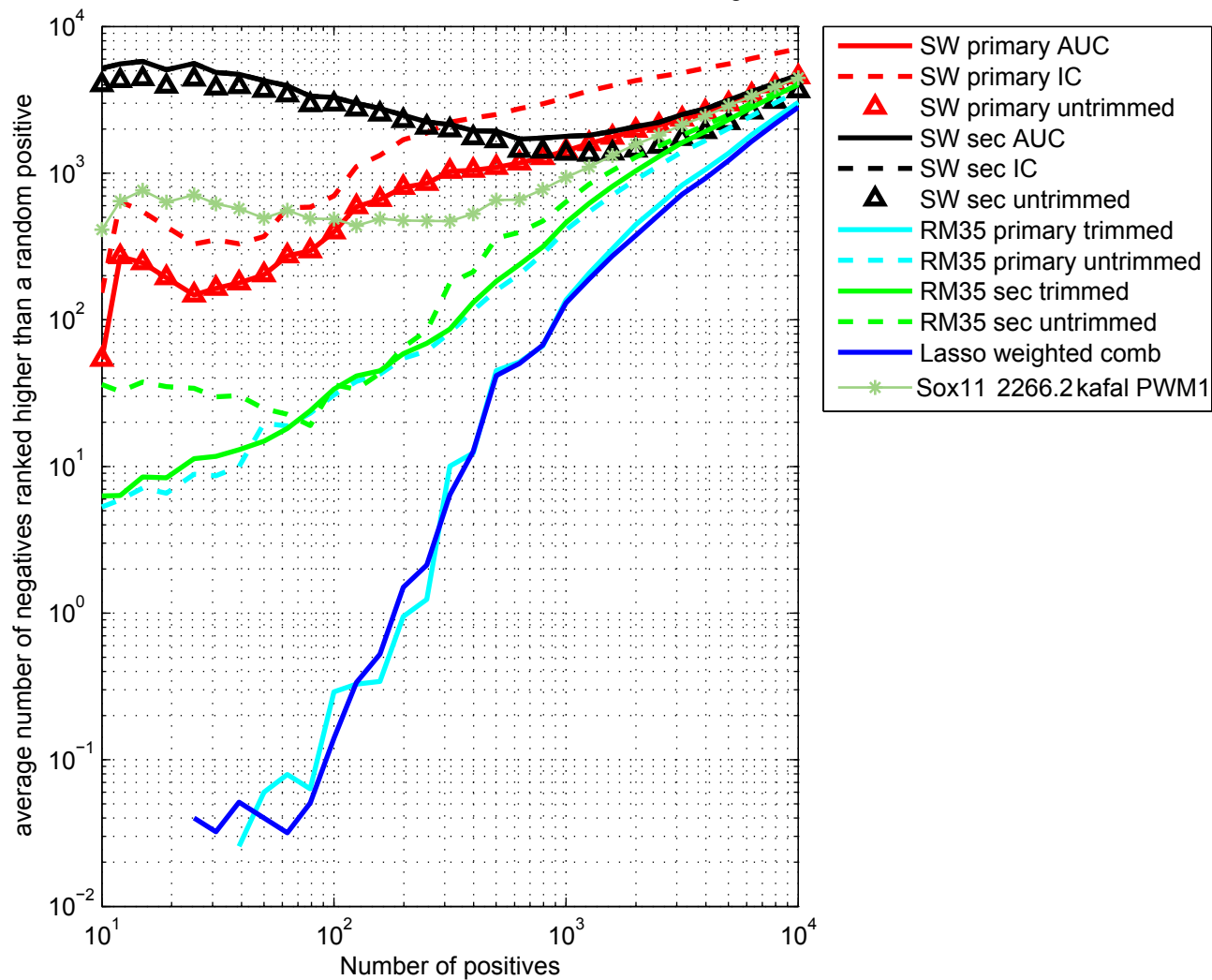
Smad3 3805.3 comb VSN normalized Zscore Averaged



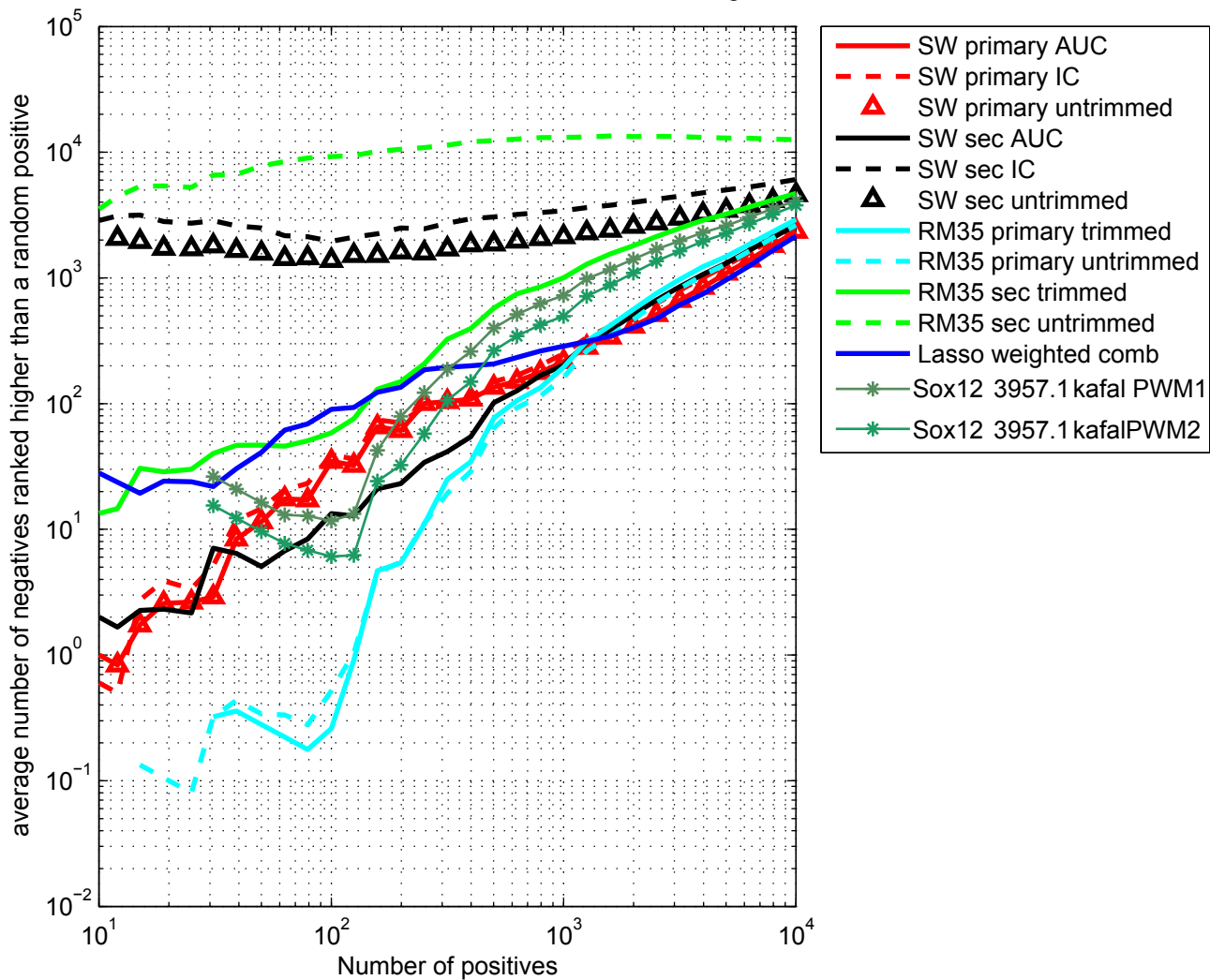
Sox1 2631.2 comb VSN normalized Zscore Averaged



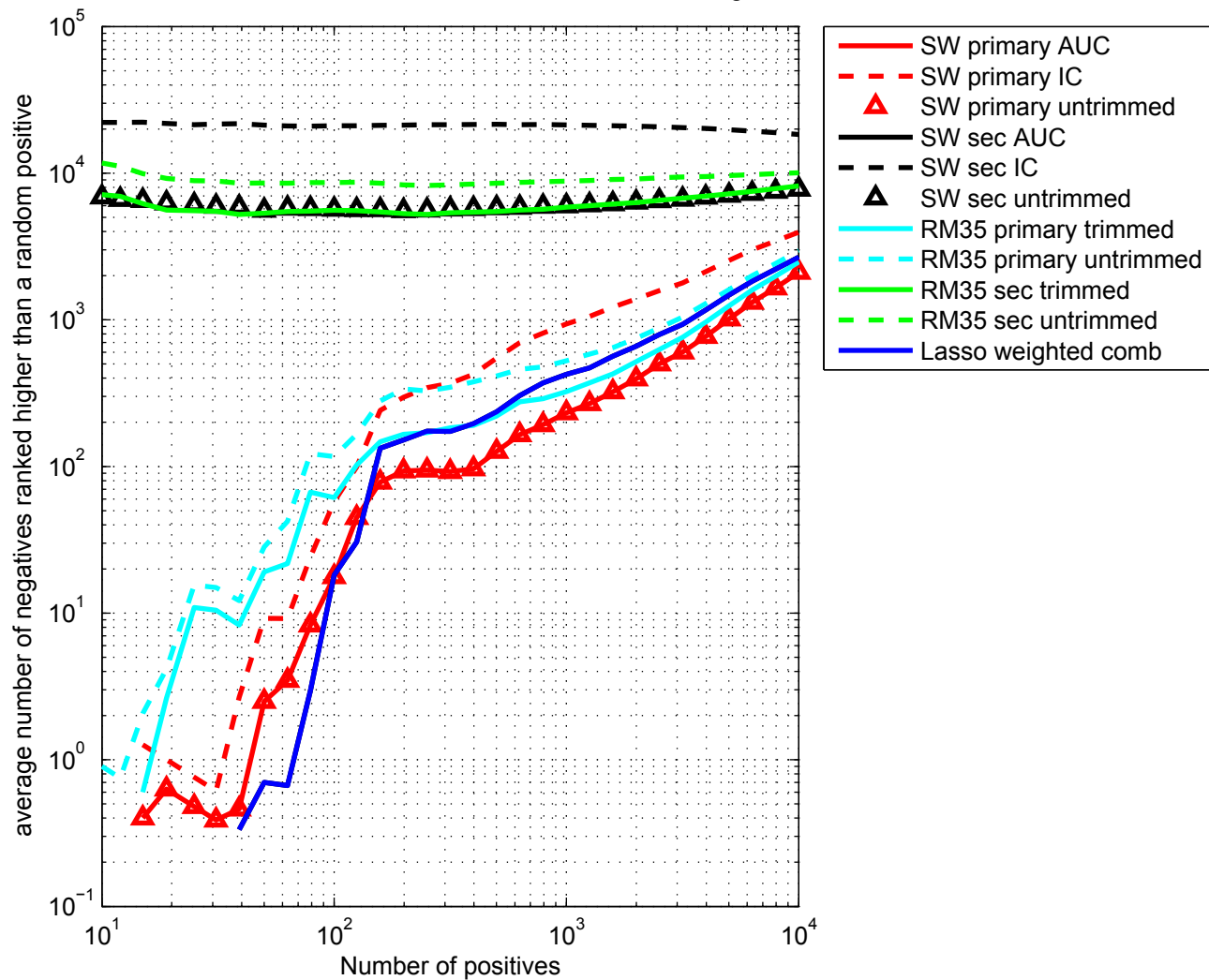
Sox11 2266.2 comb VSN normalized Zscore Averaged



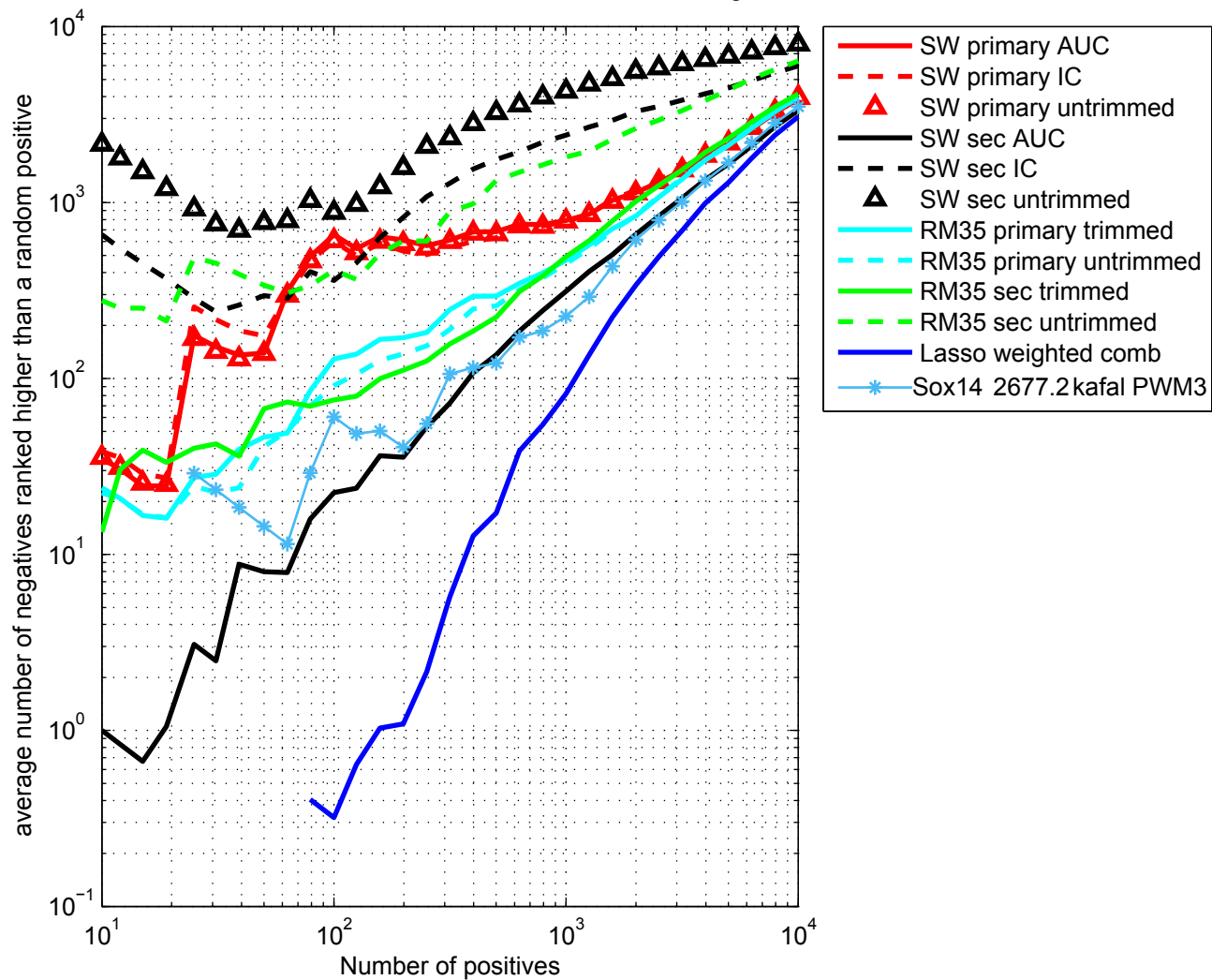
Sox12 3957.1 comb VSN normalized Zscore Averaged



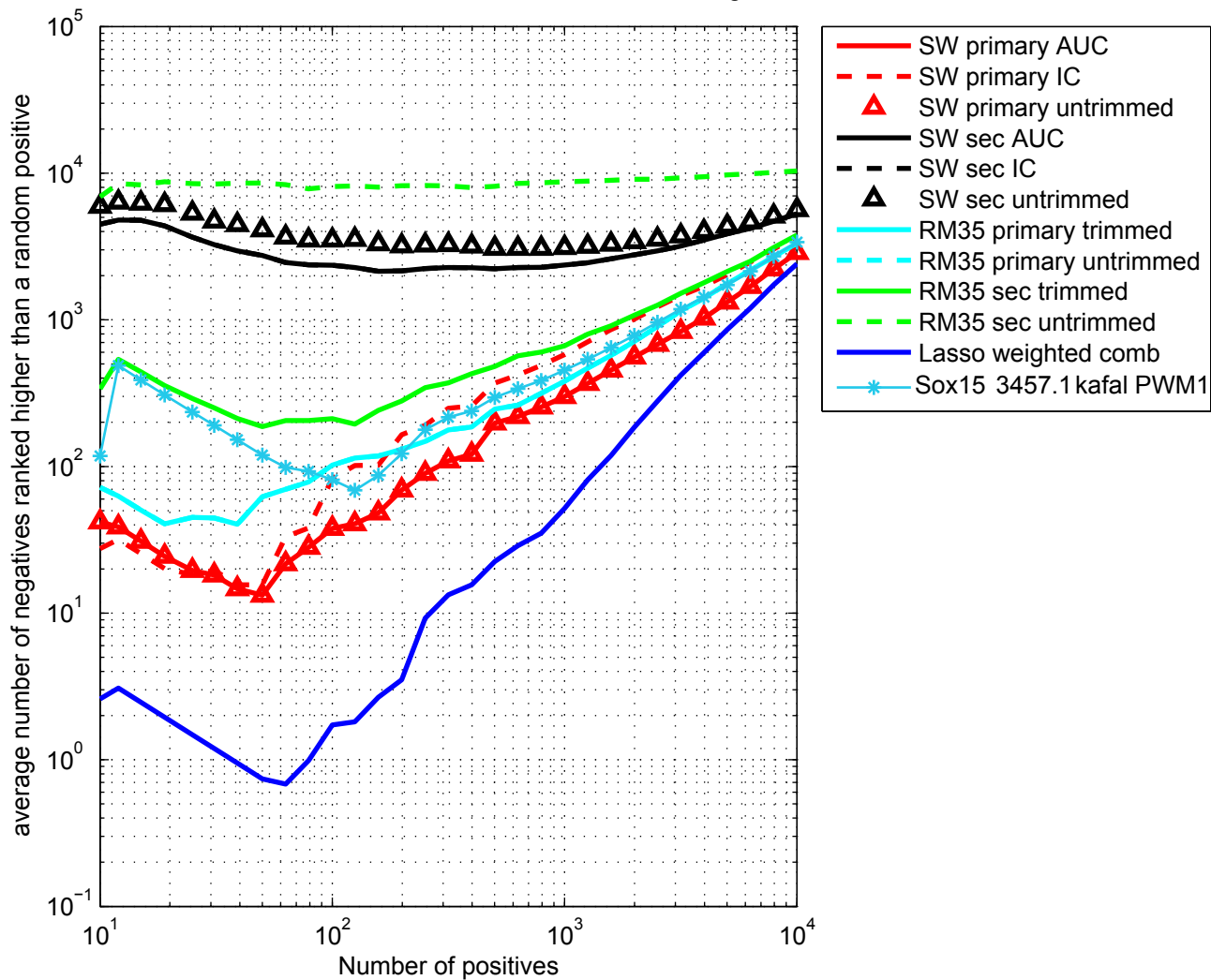
Sox13 1718.2 comb VSN normalized Zscore Averaged



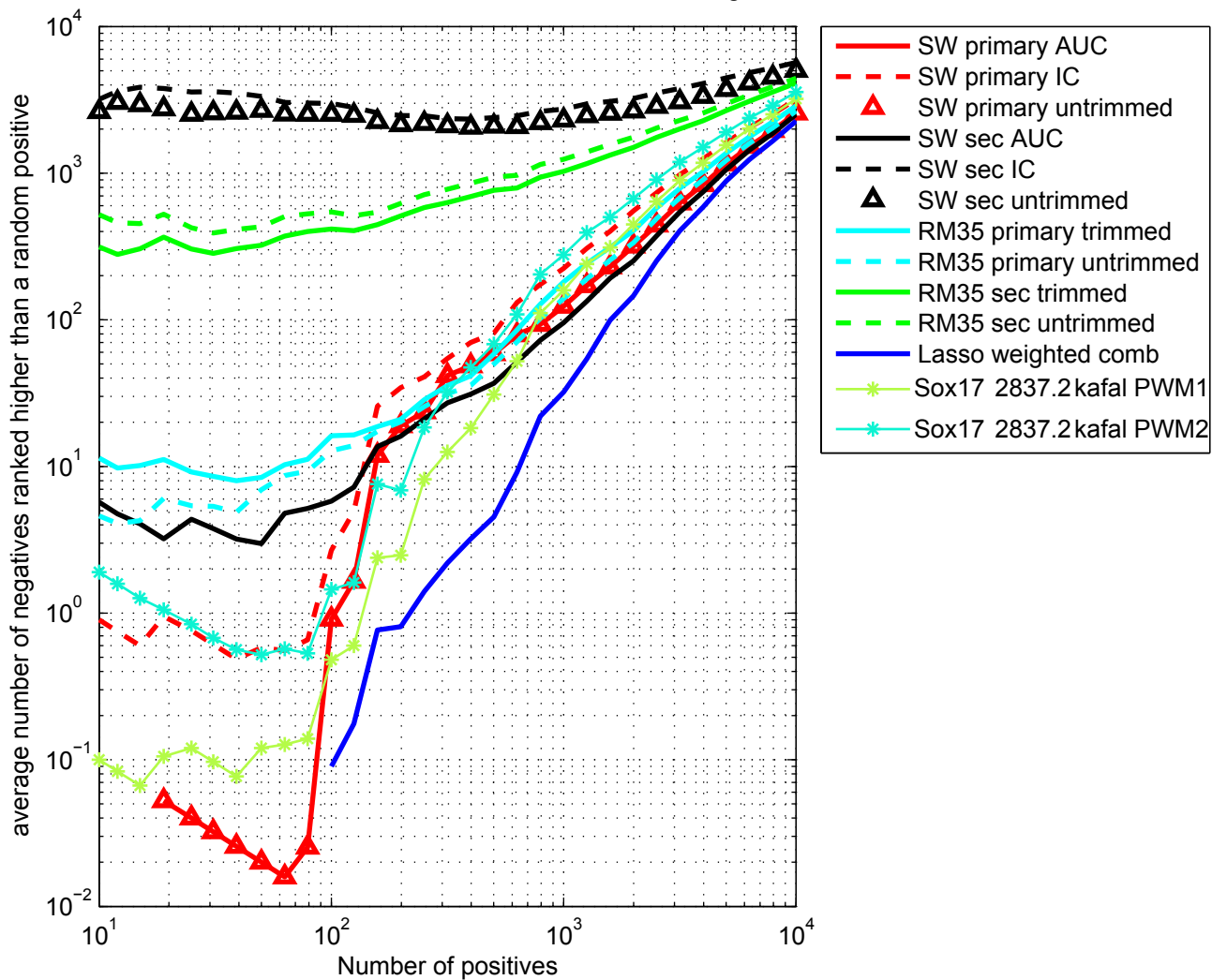
Sox14 2677.2 comb VSN normalized Zscore Averaged



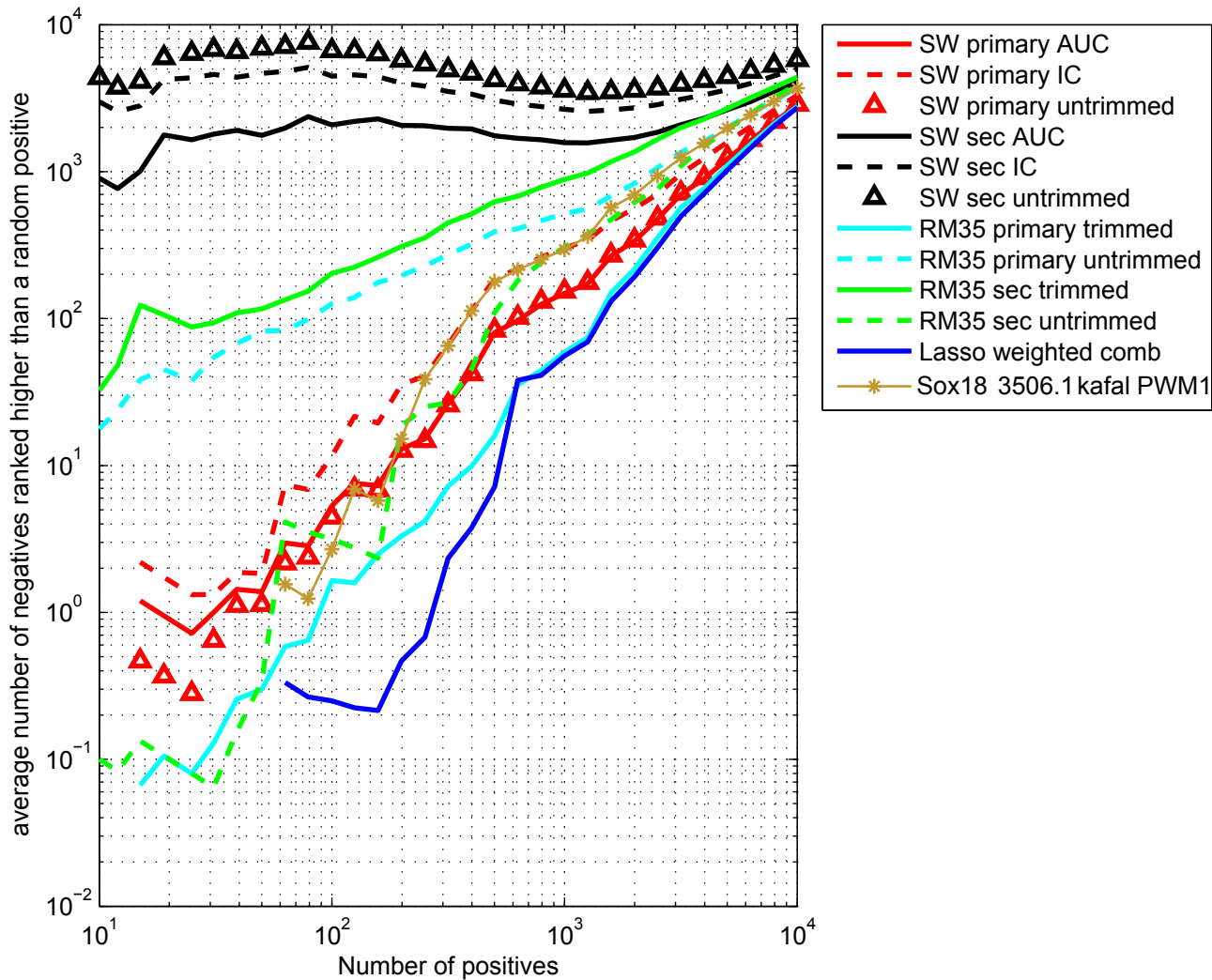
Sox15 3457.1 comb VSN normalized Zscore Averaged



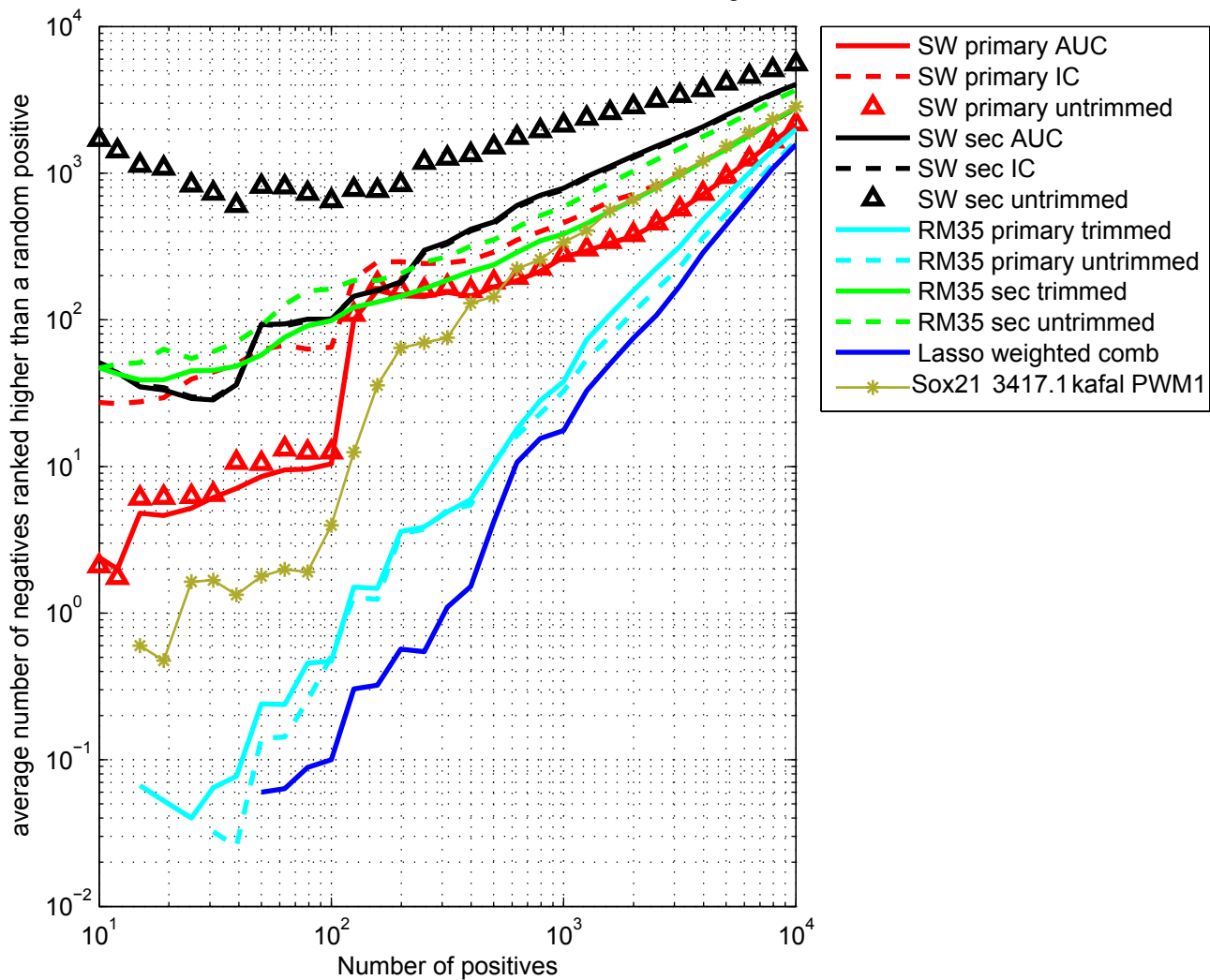
Sox17 2837.2 comb VSN normalized Zscore Averaged



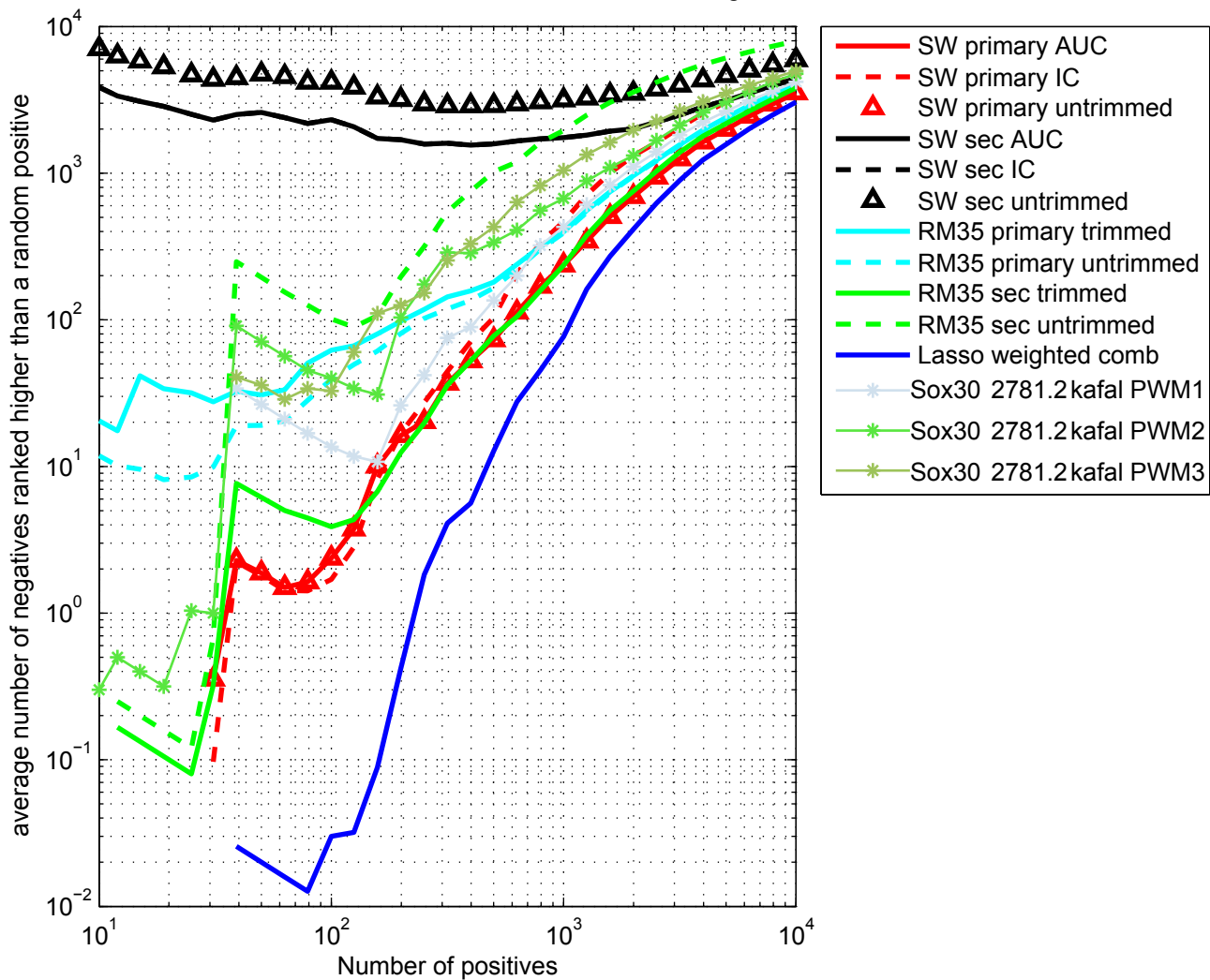
Sox18 3506.1 comb VSN normalized Zscore Averaged



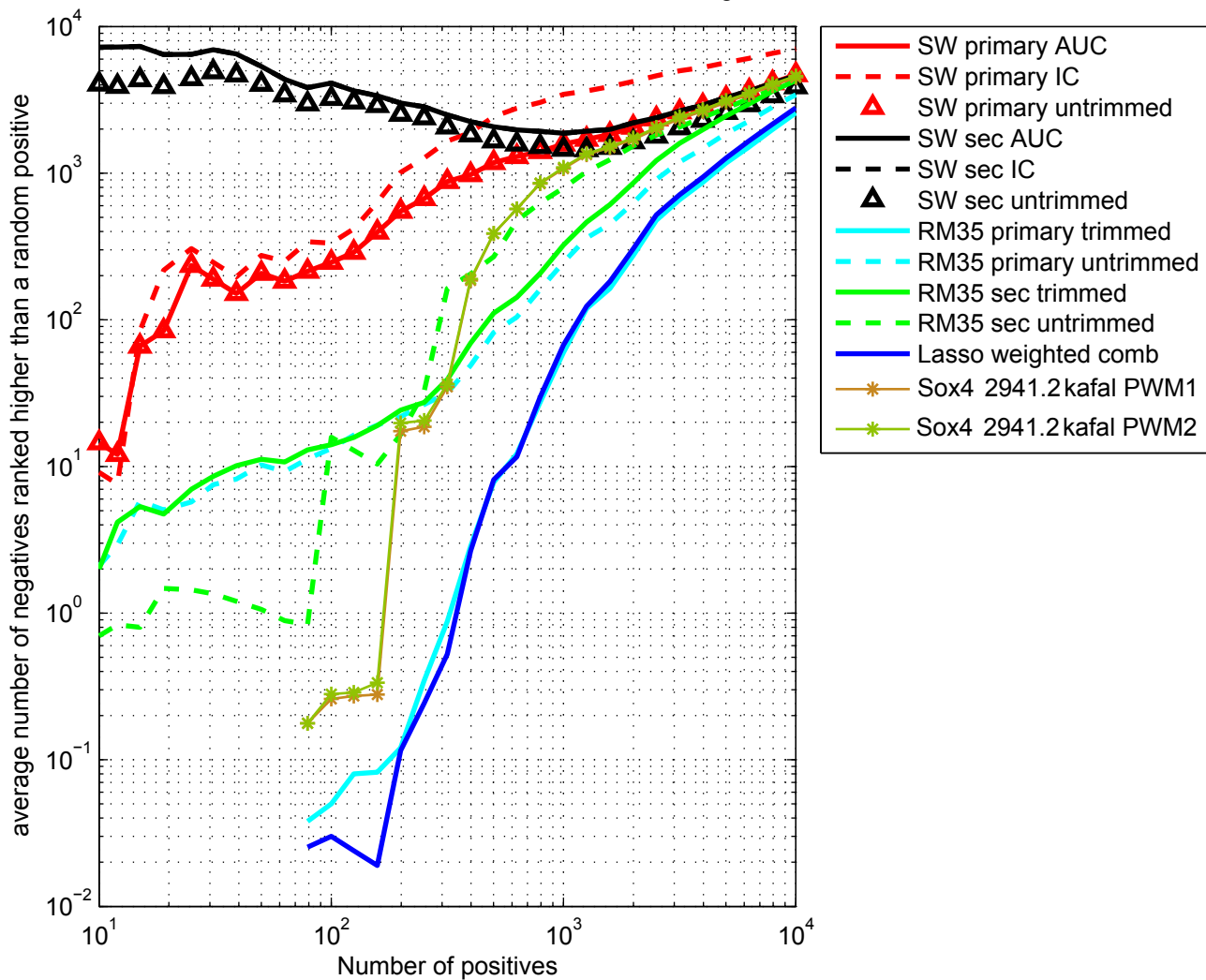
Sox21 3417.1 comb VSN normalized Zscore Averaged



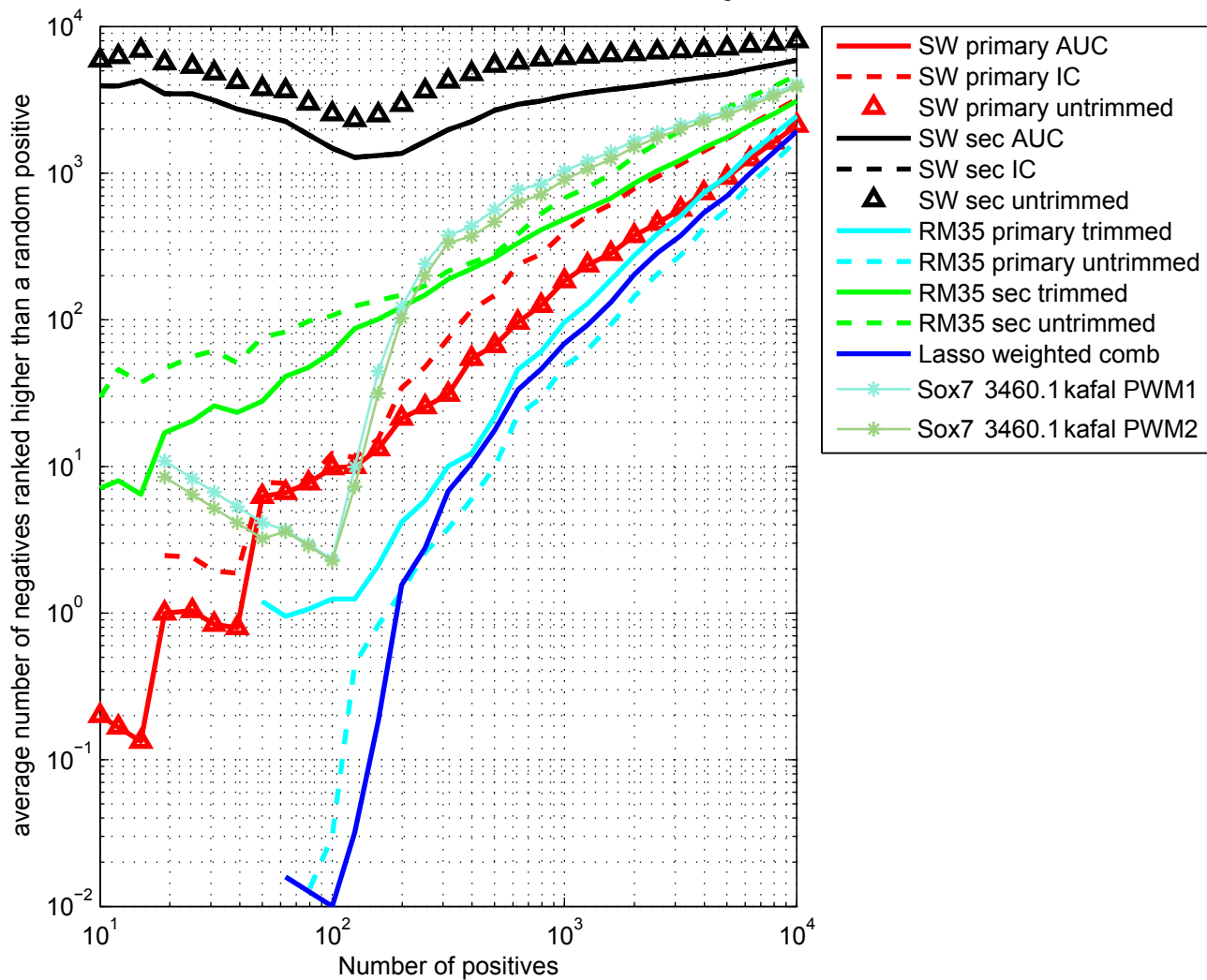
Sox30 2781.2 comb VSN normalized Zscore Averaged



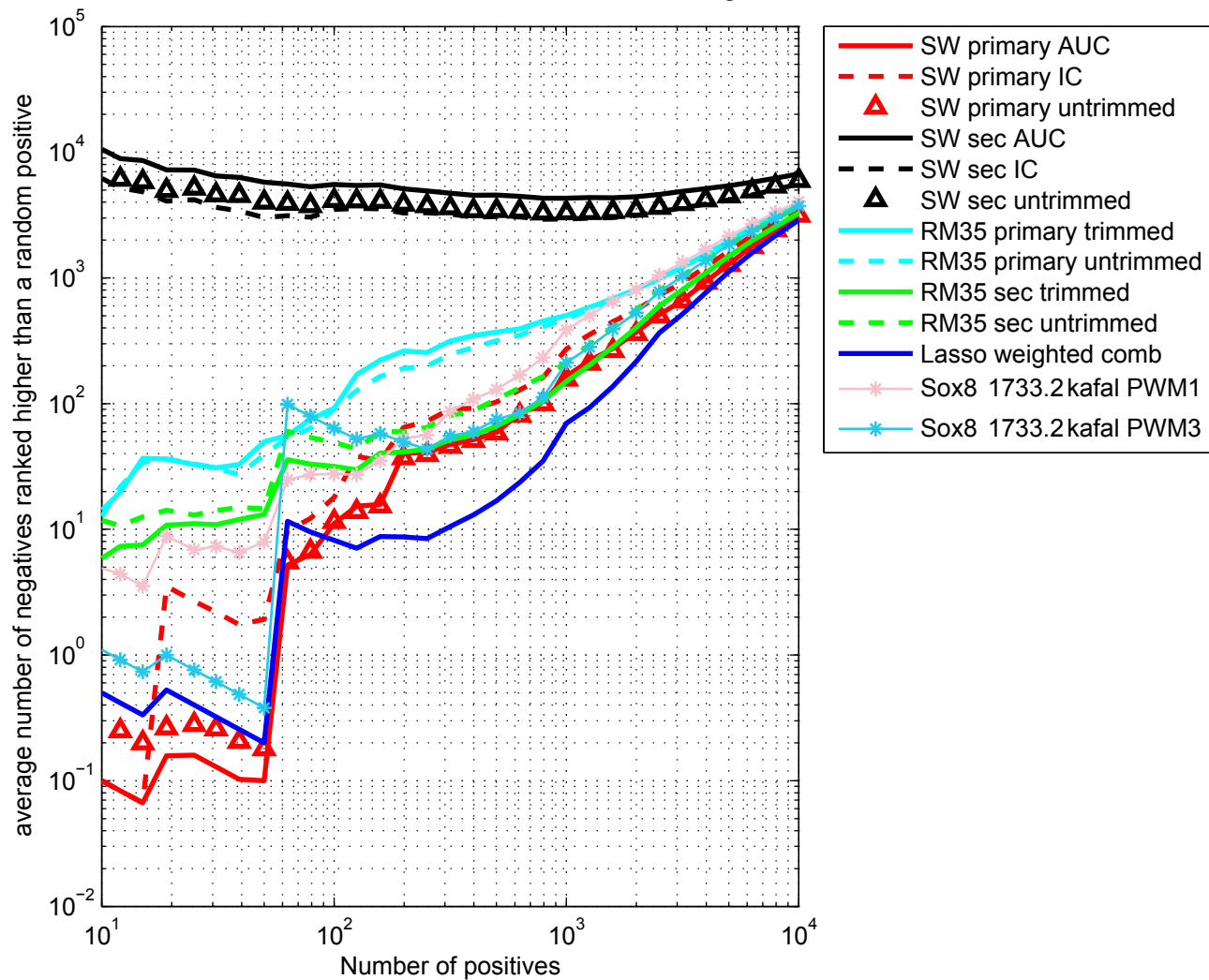
Sox4 2941.2 comb VSN normalized Zscore Averaged



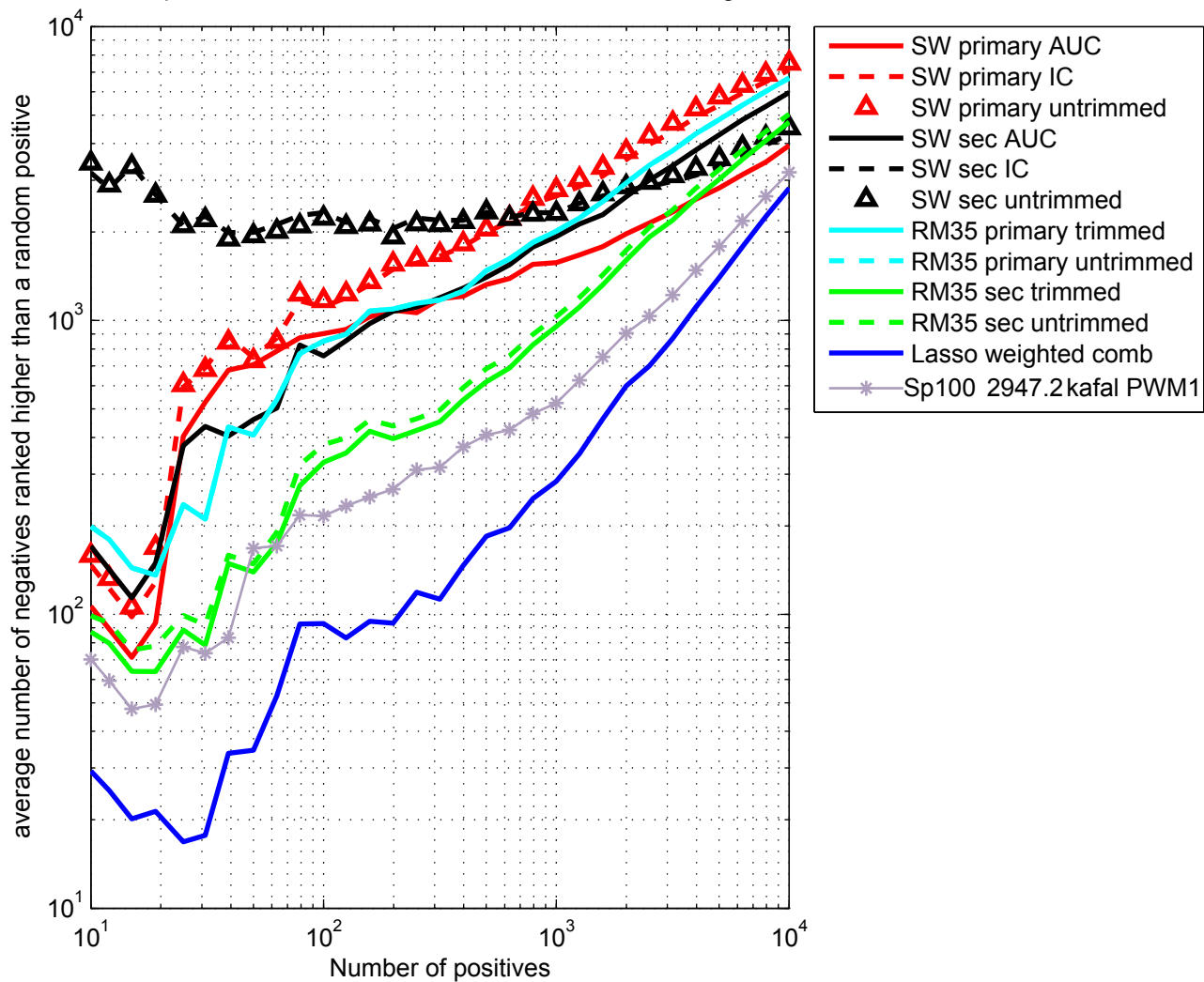
Sox7 3460.2 comb VSN normalized Zscore Averaged



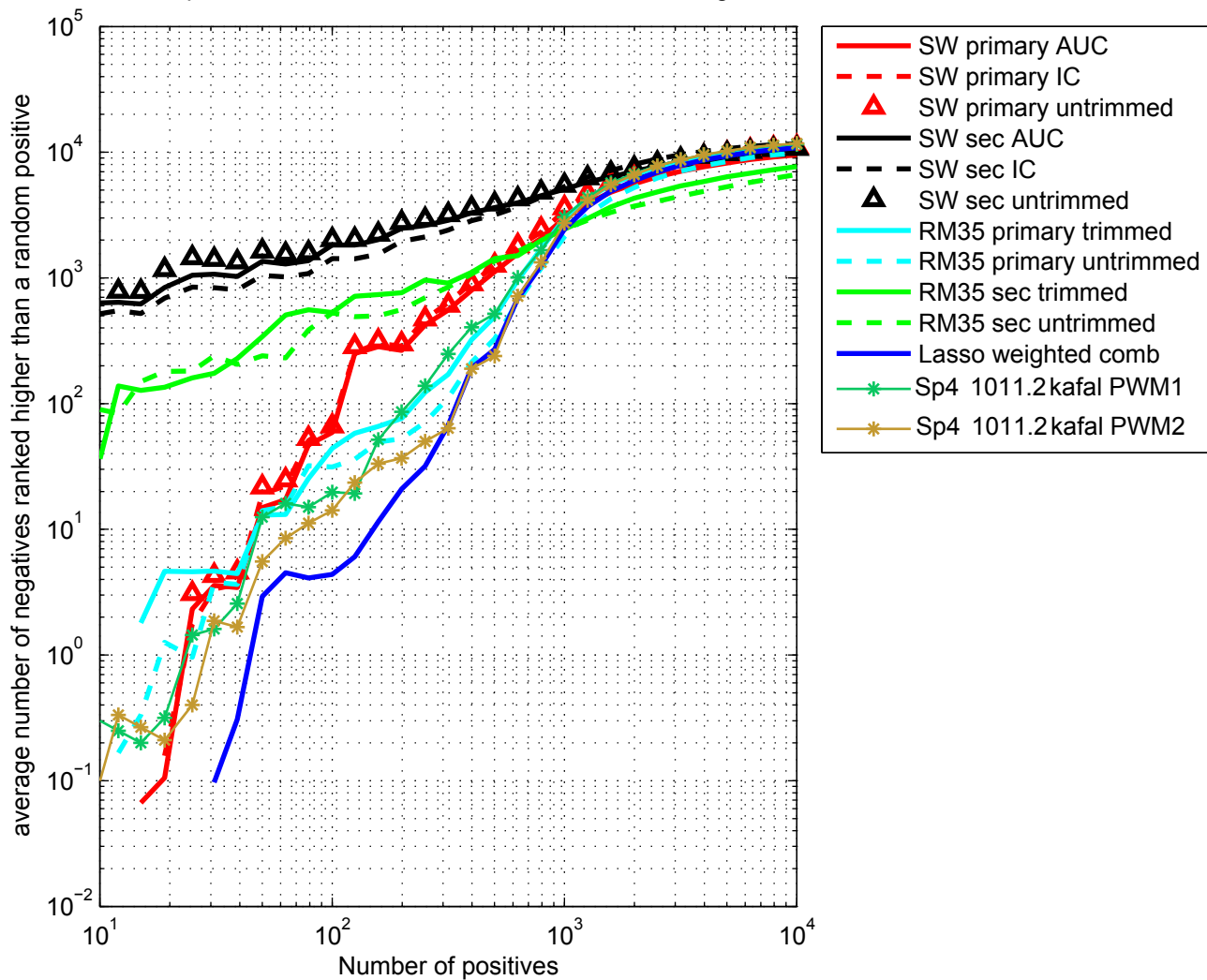
Sox8 1733.2 comb VSN normalized Zscore Averaged



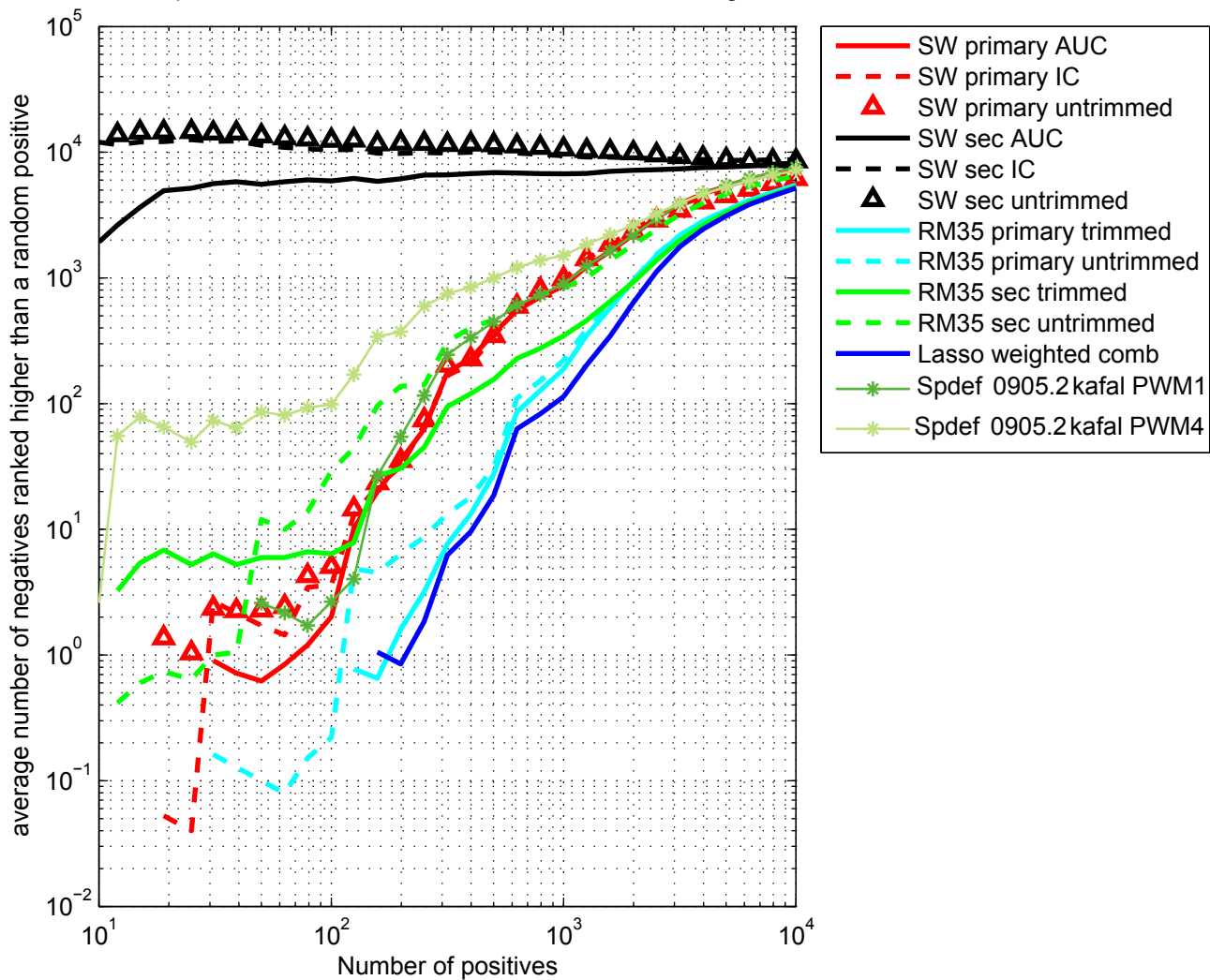
Sp100 2947.2 comb VSN normalized Zscore Averaged



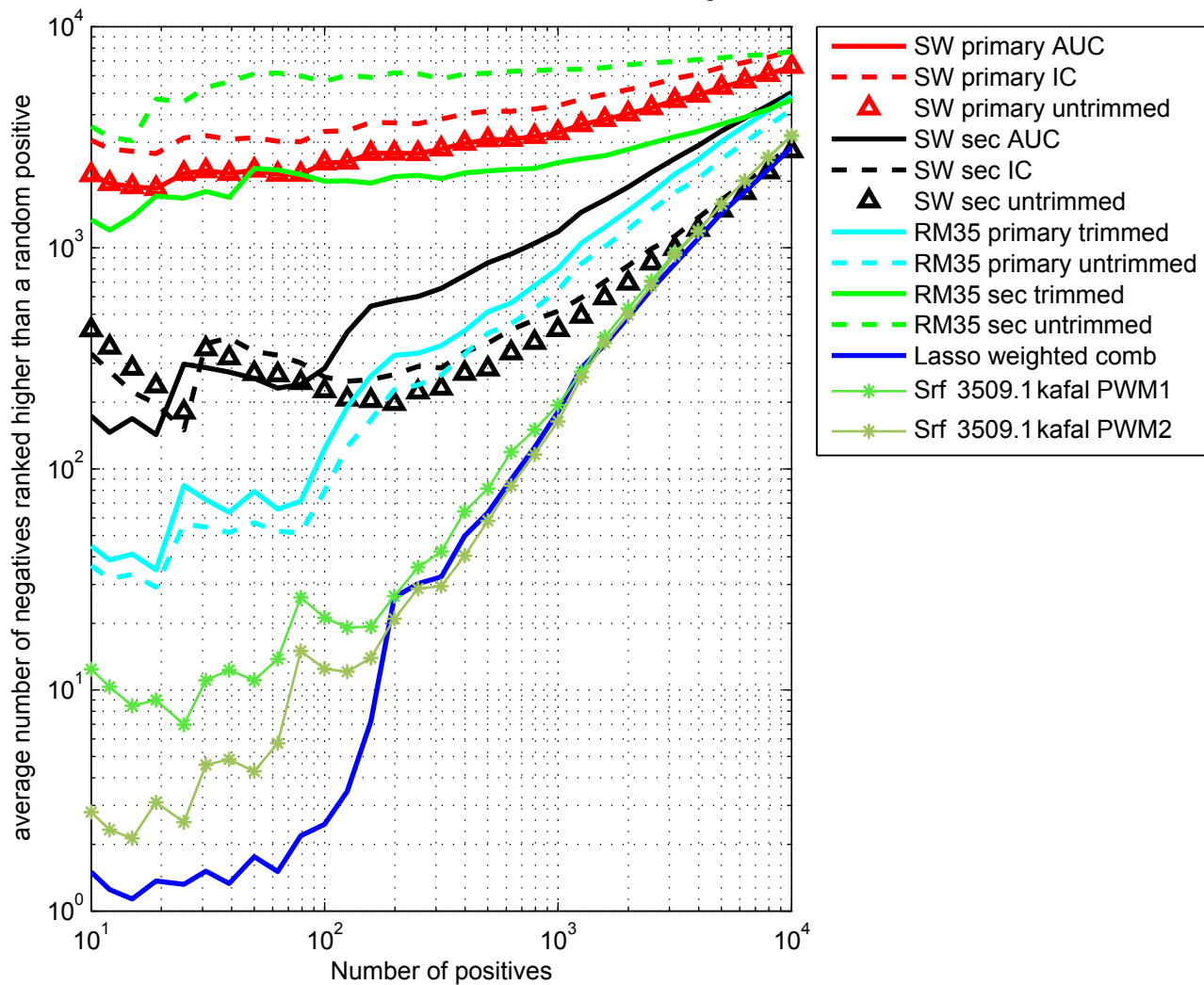
Sp4 1011.2 comb VSN normalized Zscore Averaged



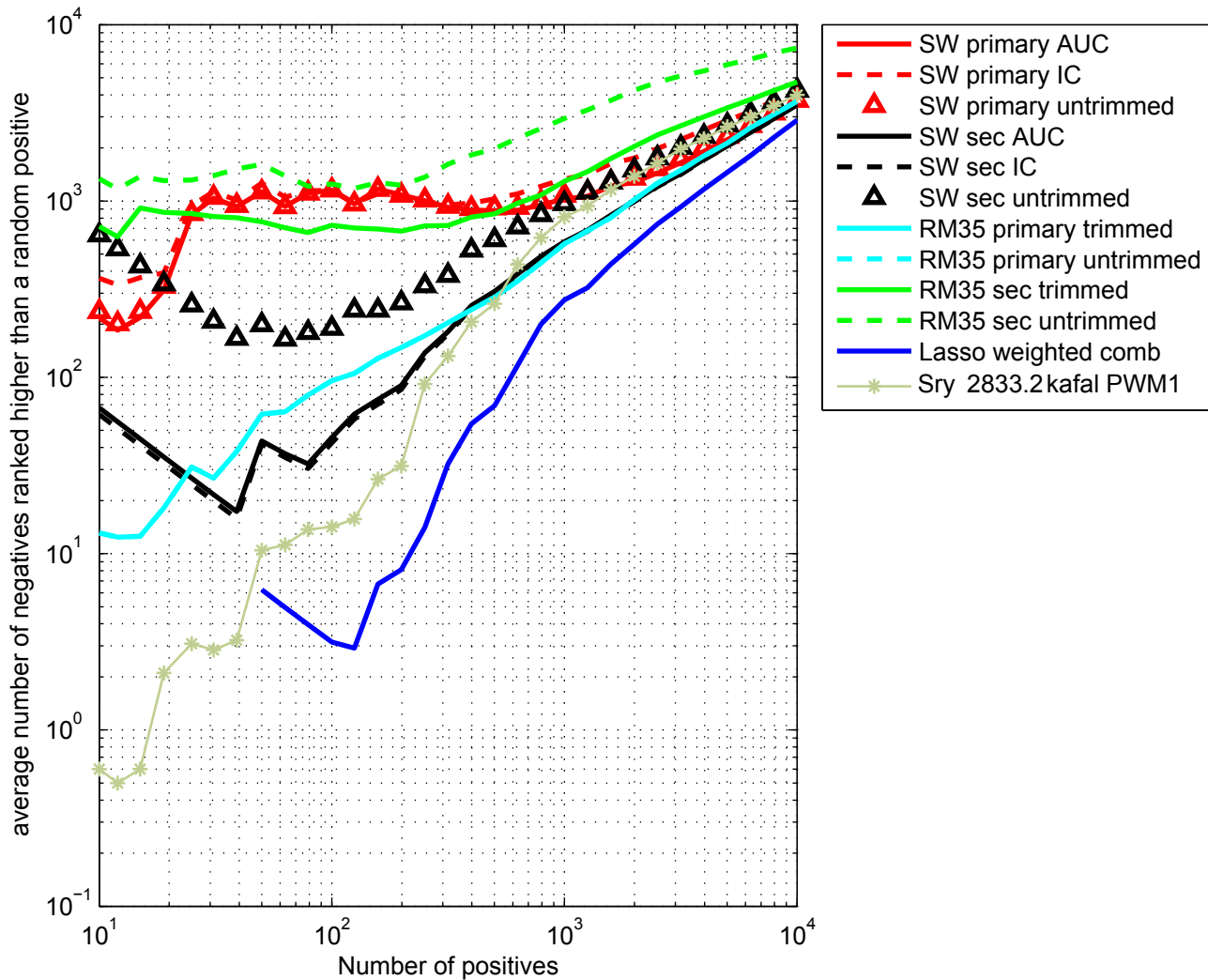
Spdef 0905.2 comb VSN normalized Zscore Averaged



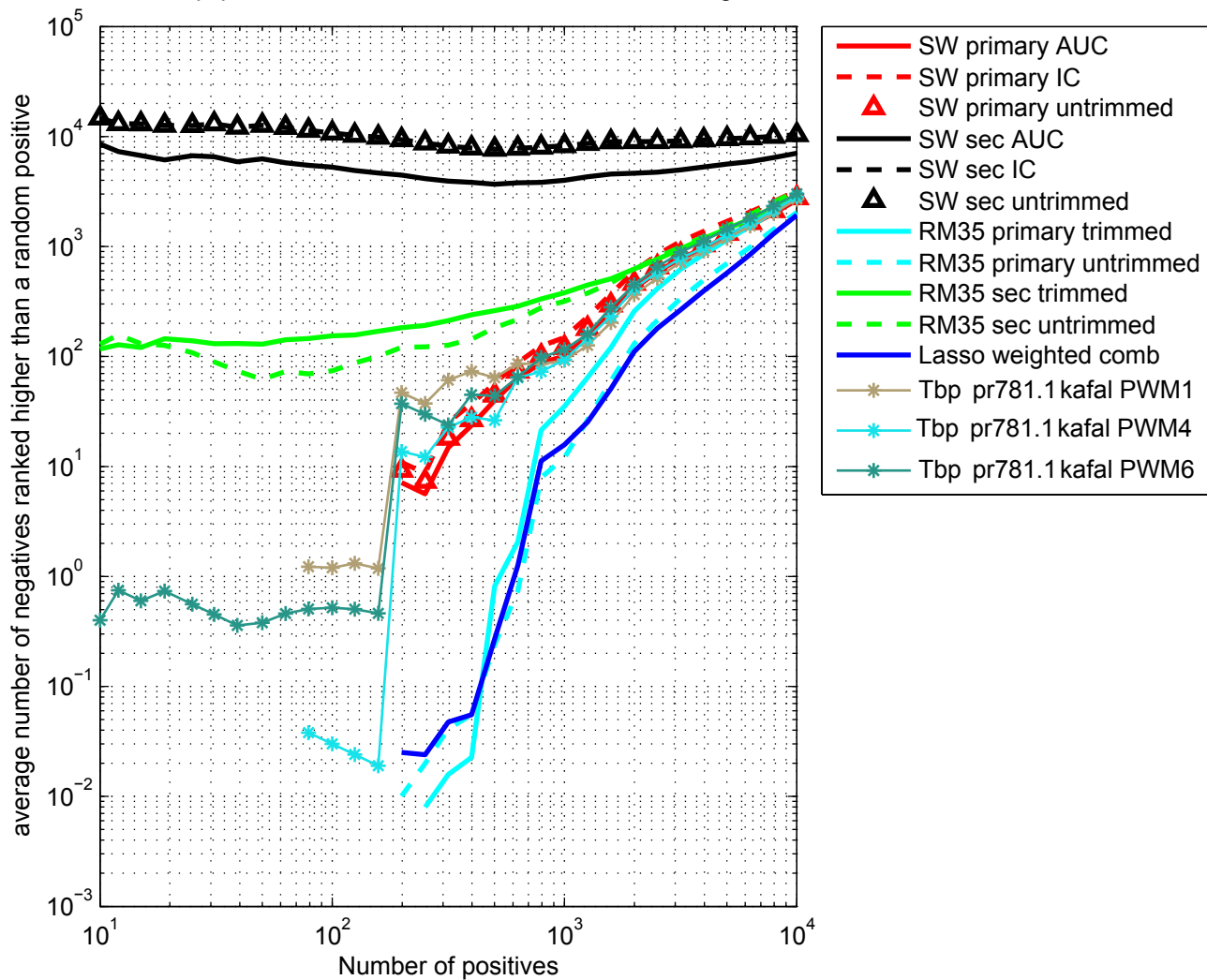
Srf 3509.1 comb VSN normalized Zscore Averaged



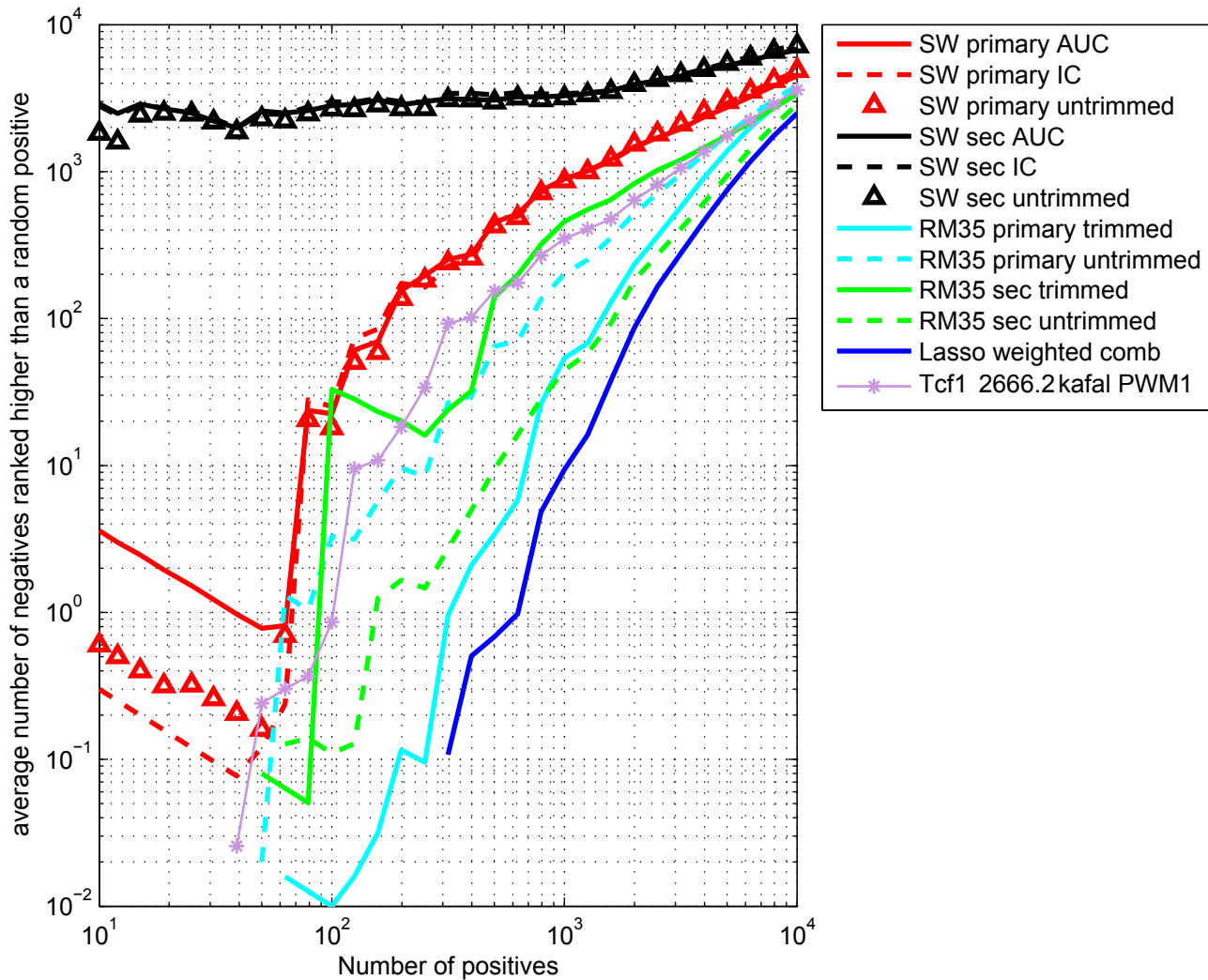
Sry 2833.2 comb VSN normalized Zscore Averaged



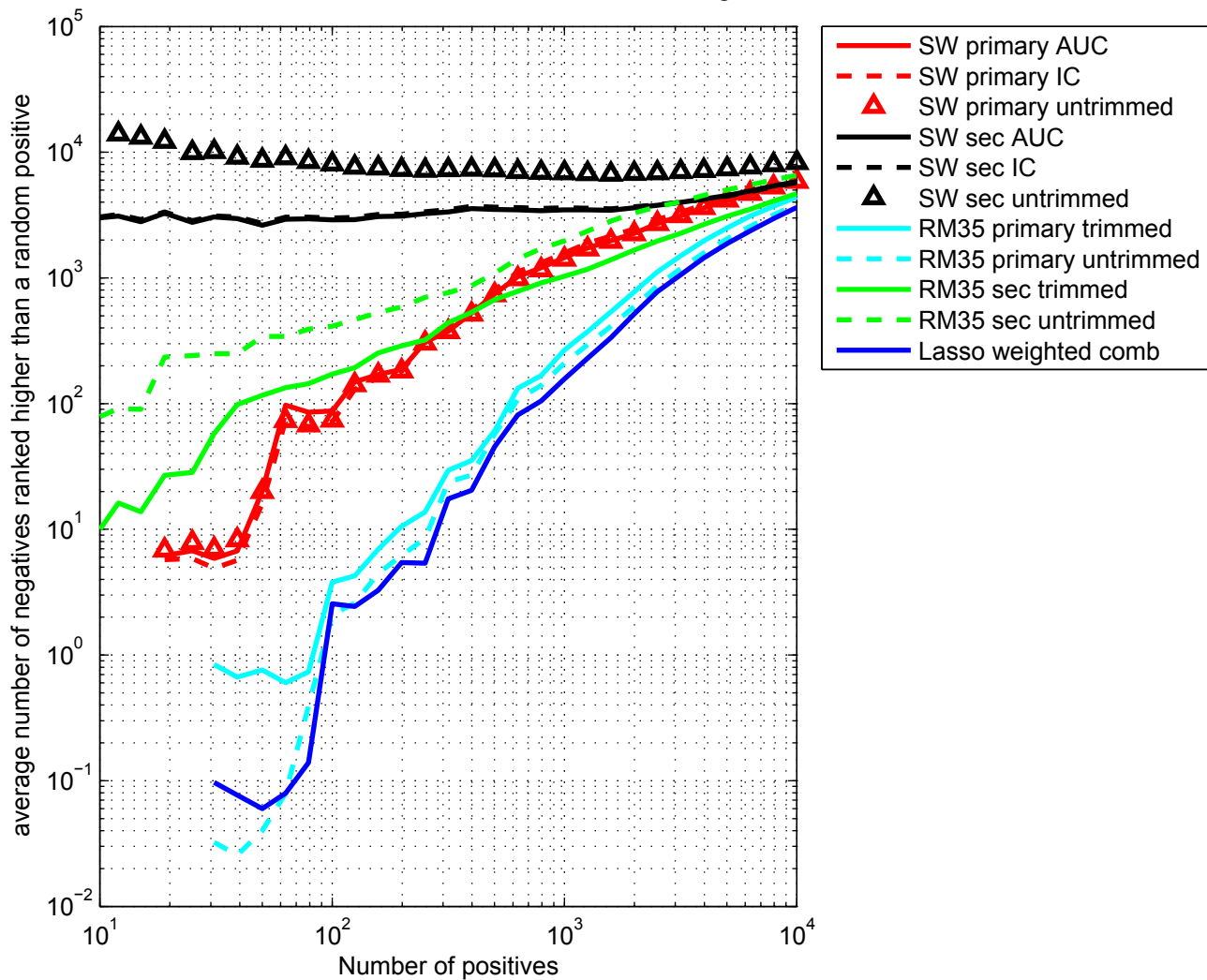
Tbp pr781.1 comb VSN normalized Zscore Averaged



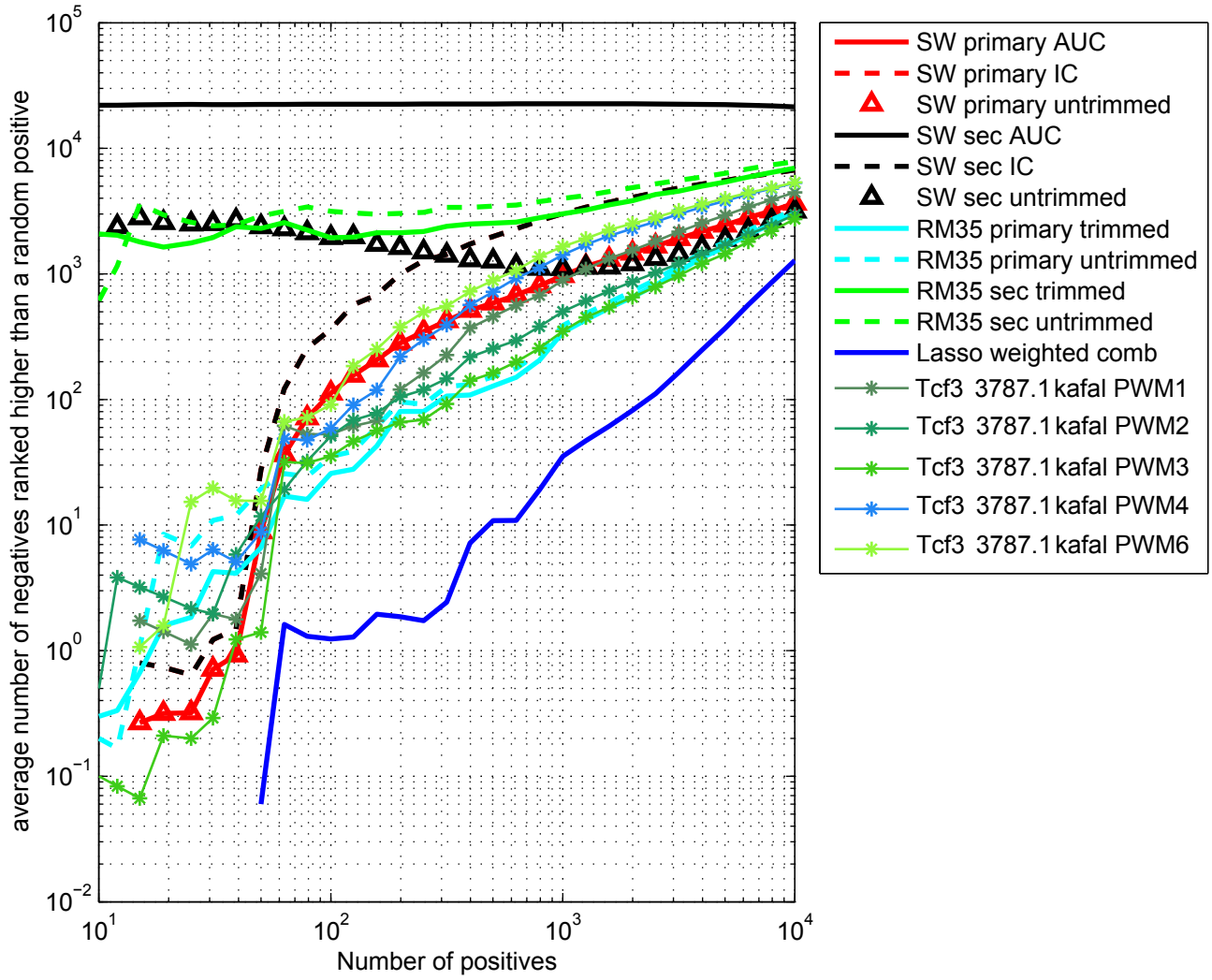
Tcf1 2666.2 comb VSN normalized Zscore Averaged



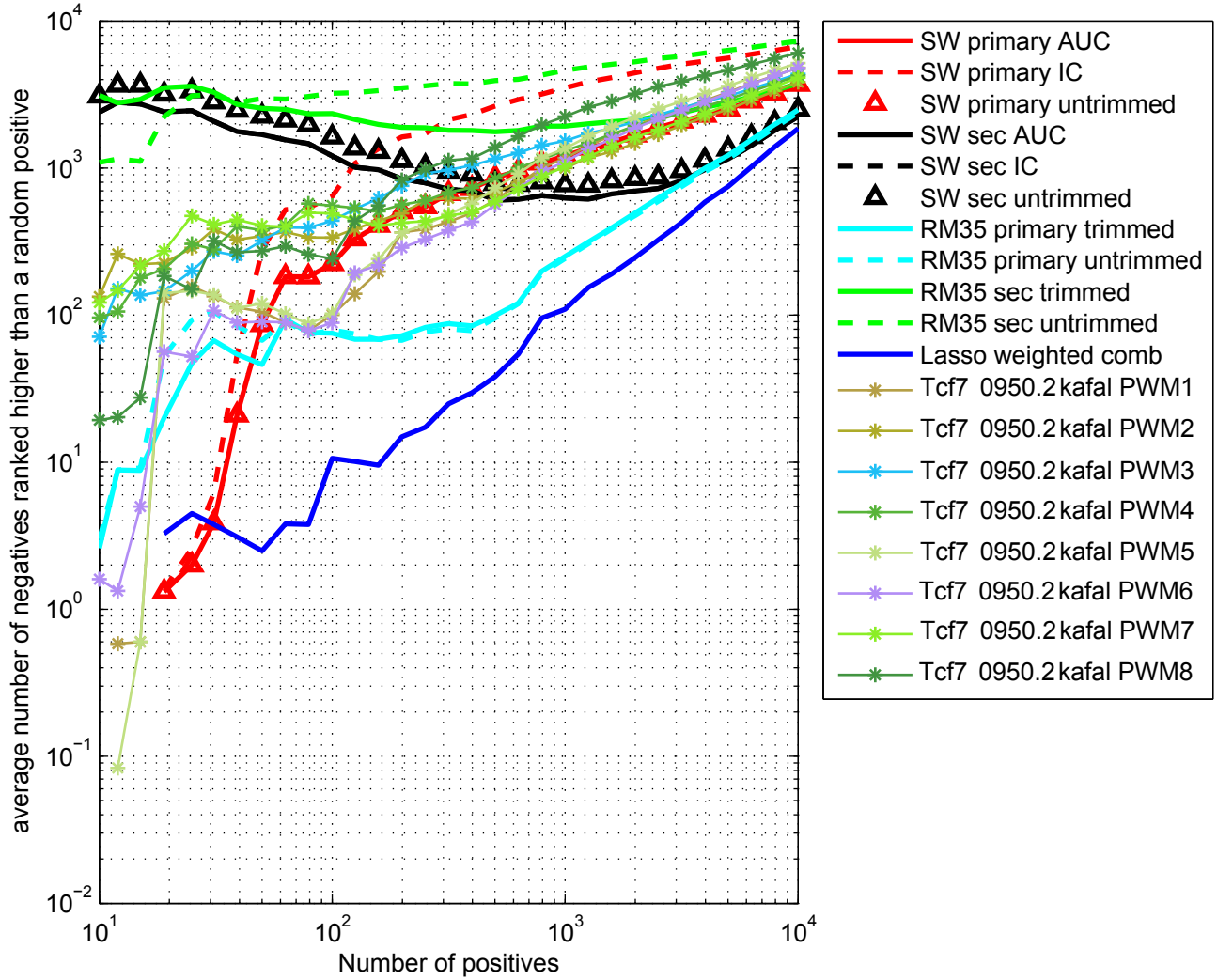
Tcf1 2666.3 comb VSN normalized Zscore Averaged



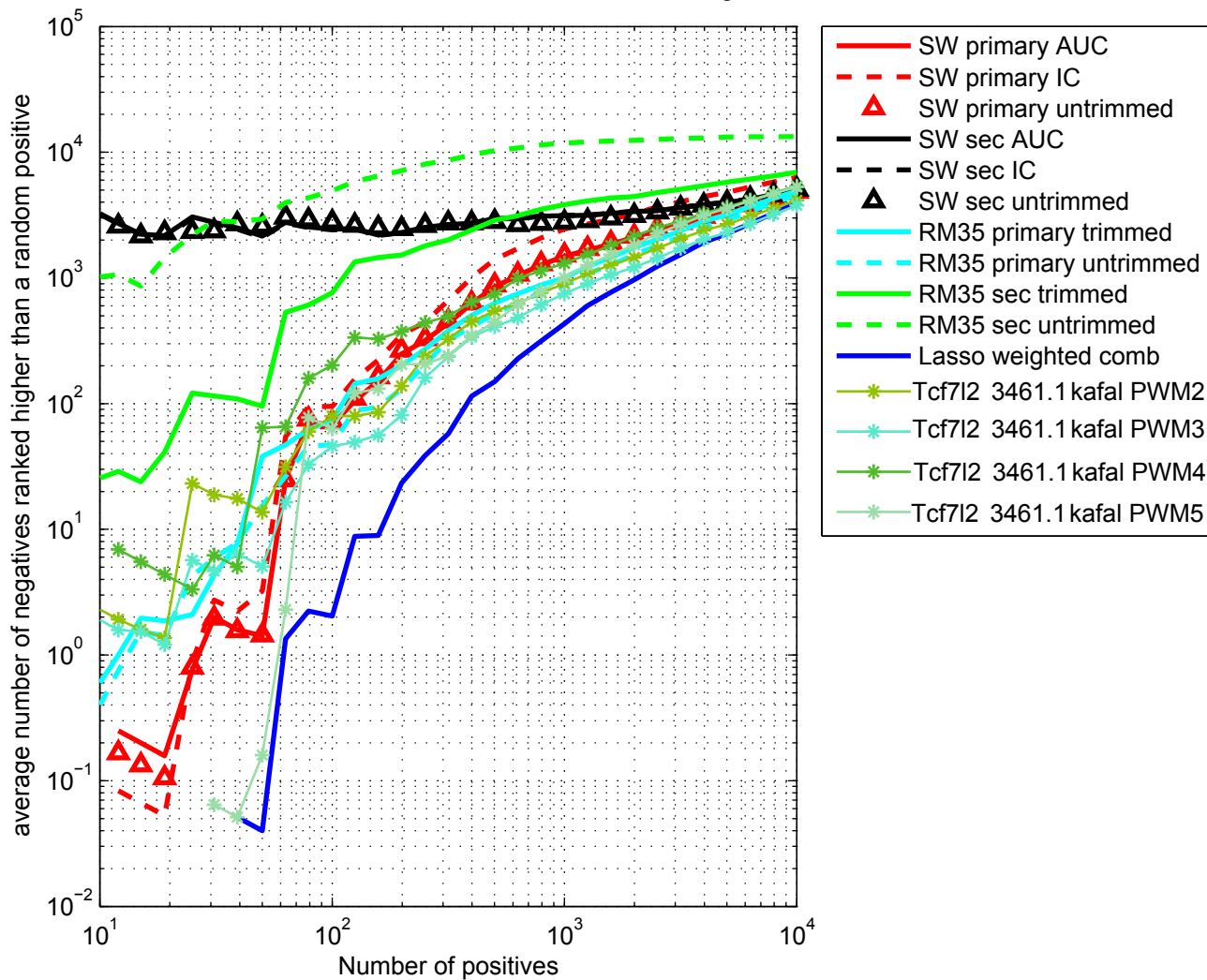
Tcf3 3787.1 comb VSN normalized Zscore Averaged



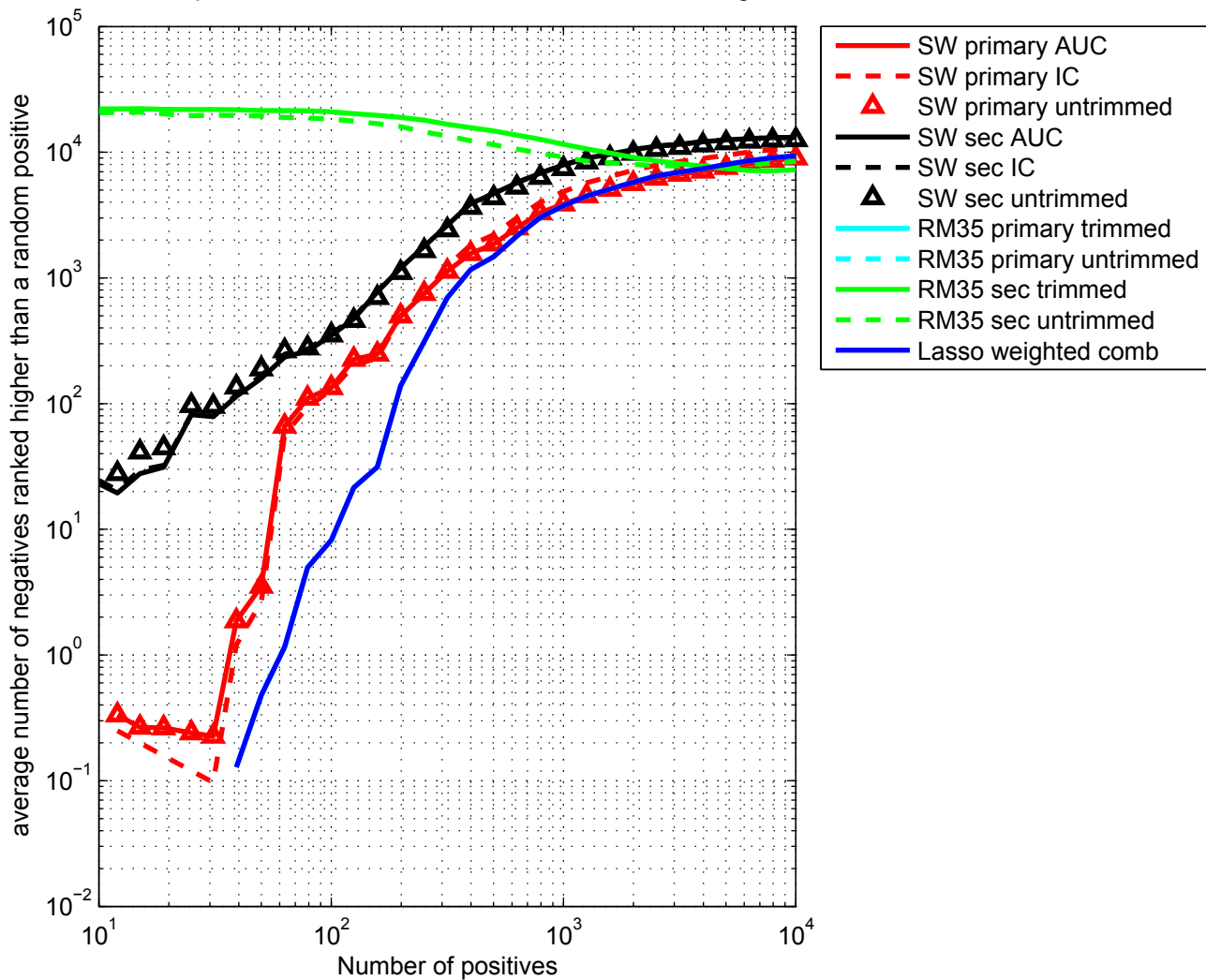
Tcf7 0950.2 comb VSN normalized Zscore Averaged



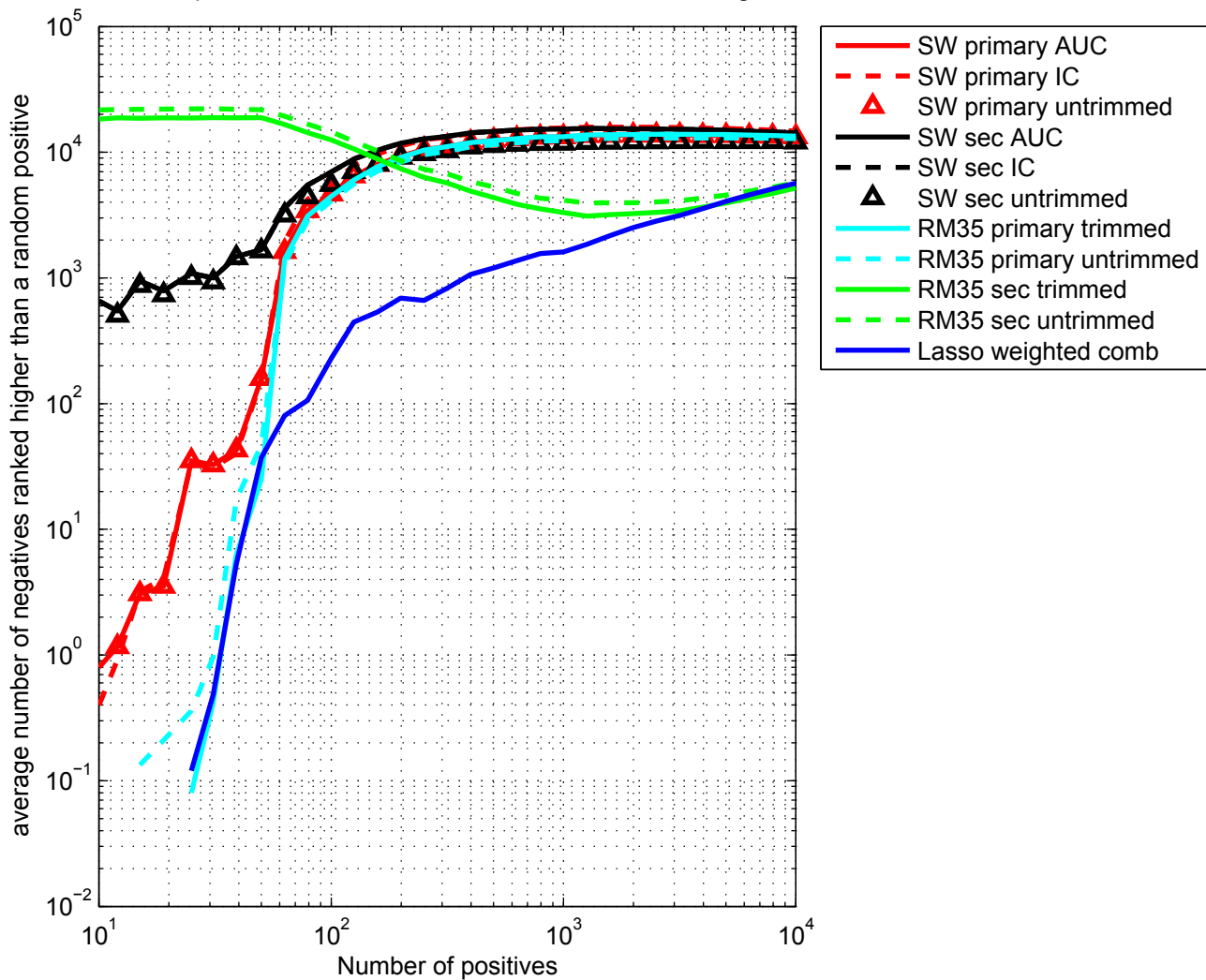
Tcf7l2 3461.1 comb VSN normalized Zscore Averaged



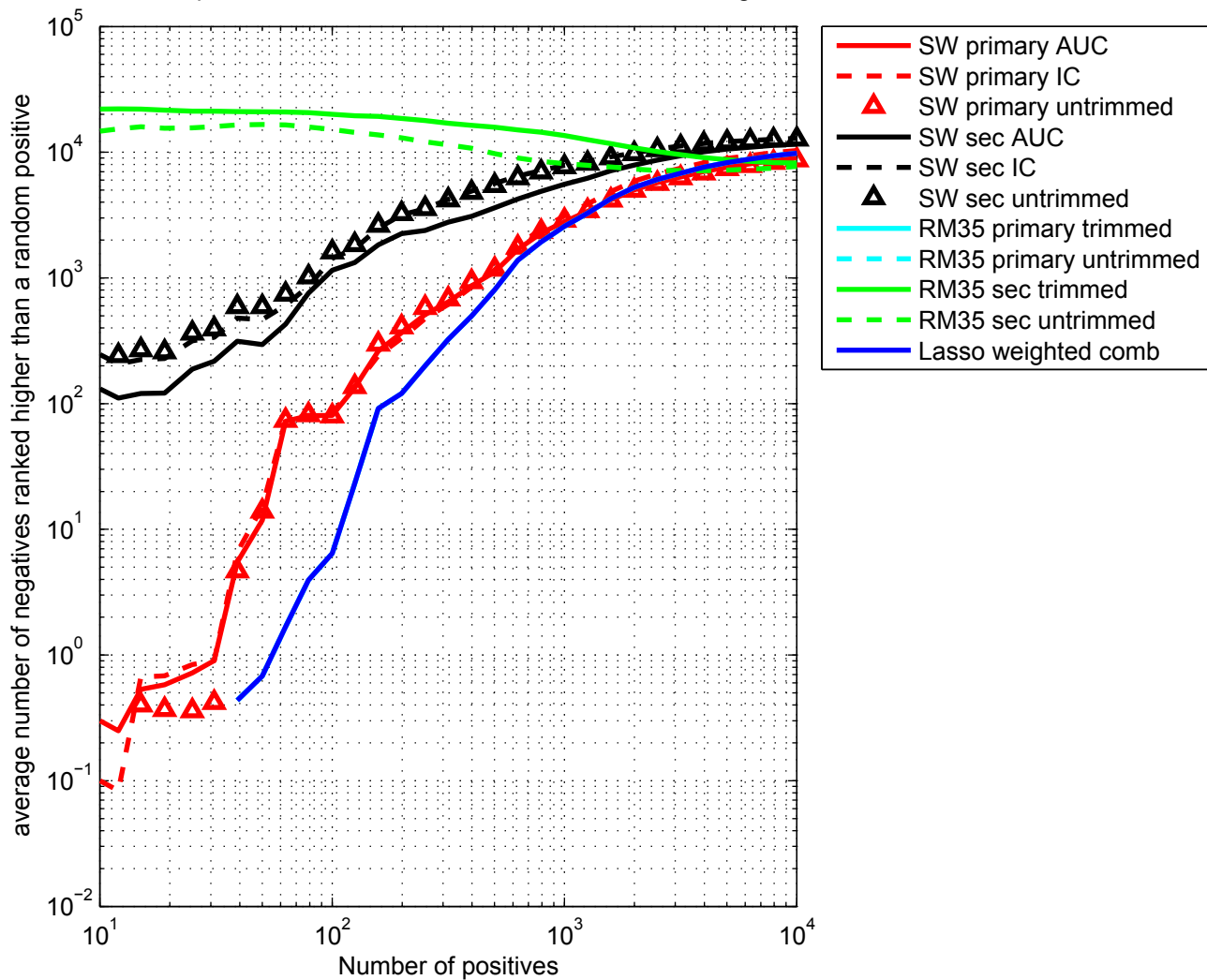
Tcfap2a 2337.3 comb VSN normalized Zscore Averaged



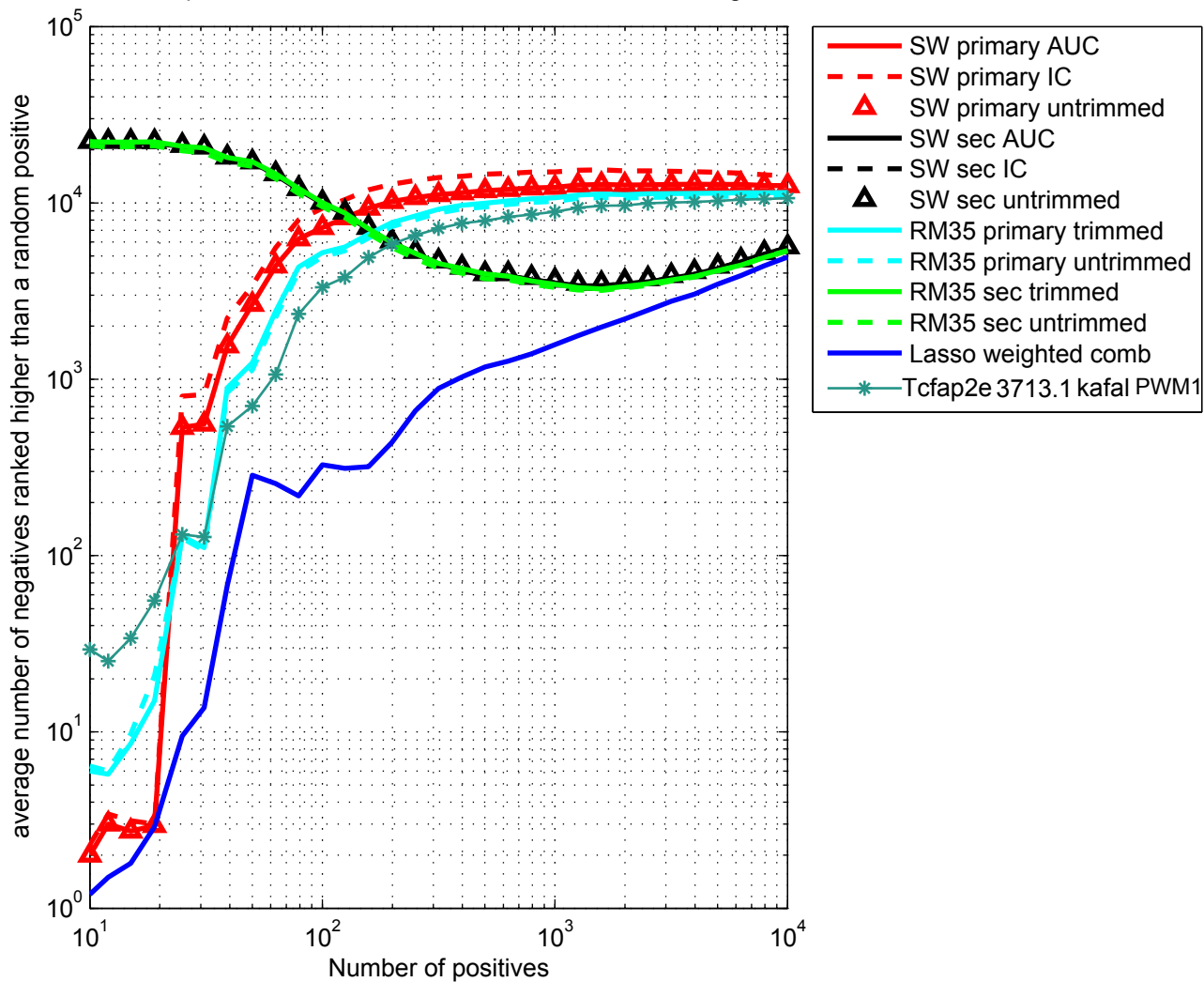
Tcfap2b 3988.1 comb VSN normalized Zscore Averaged



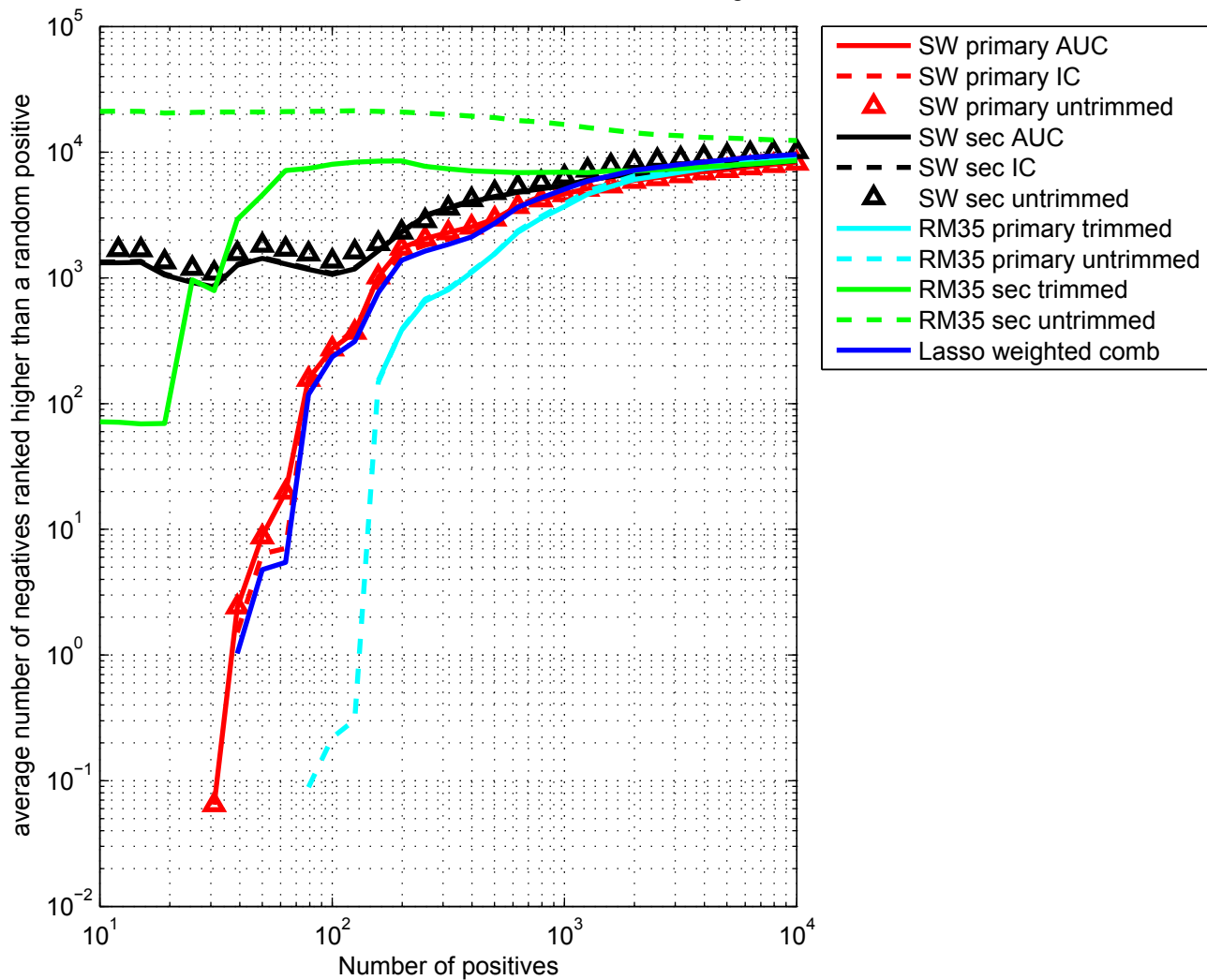
Tcfap2c 2912.2 comb VSN normalized Zscore Averaged



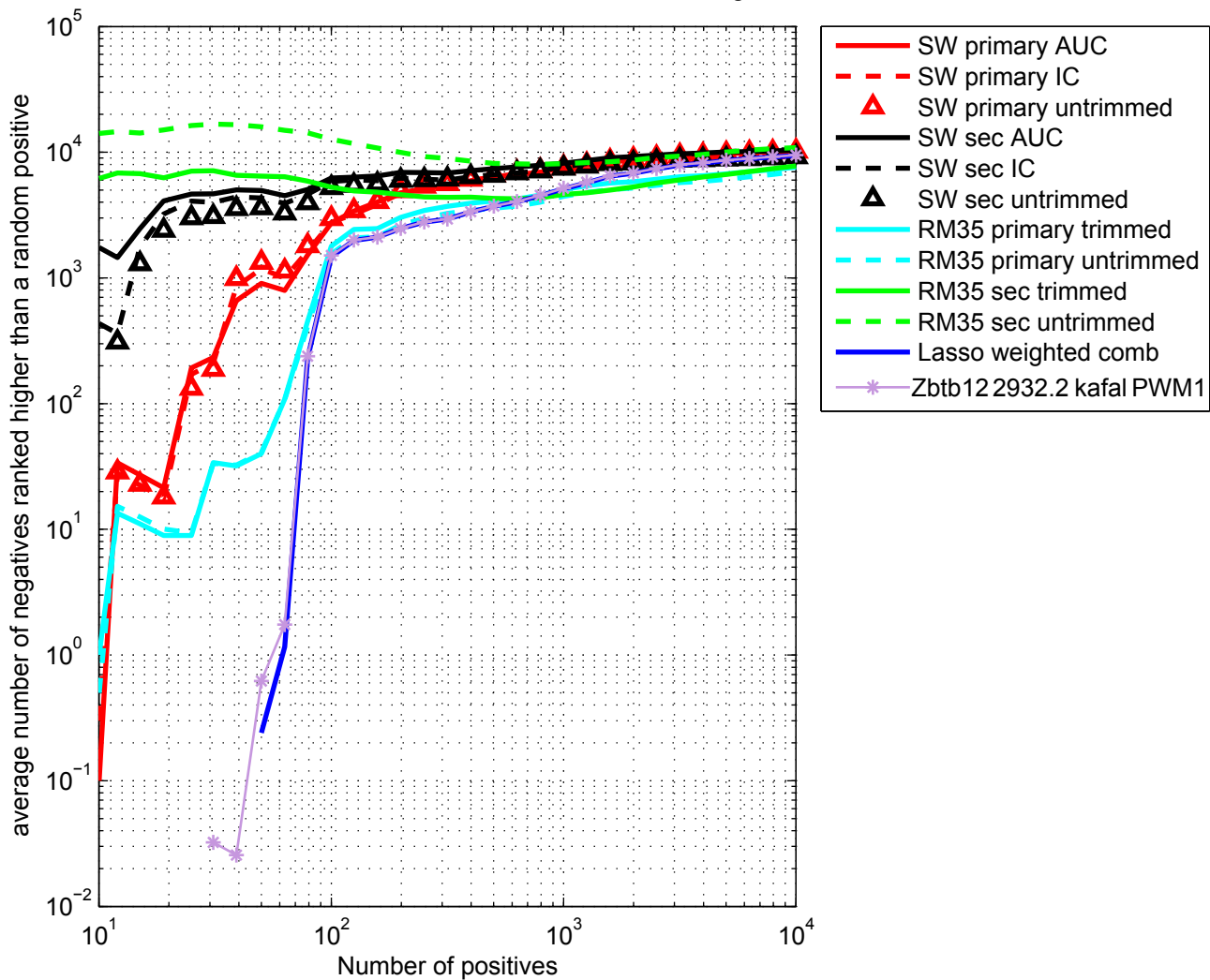
Tcfap2e 3713.1 comb VSN normalized Zscore Averaged



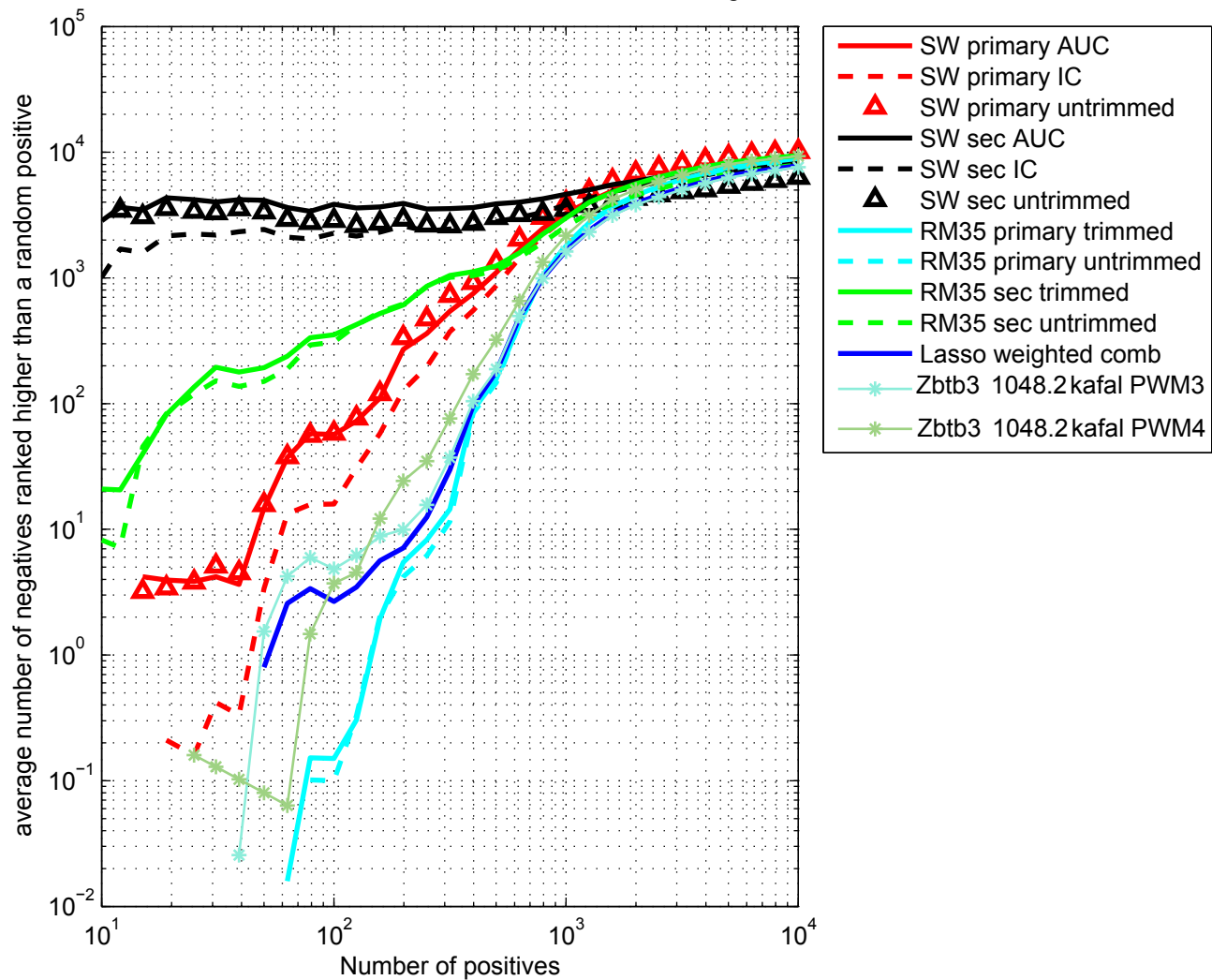
Tcfe2a 3865.1 comb VSN normalized Zscore Averaged



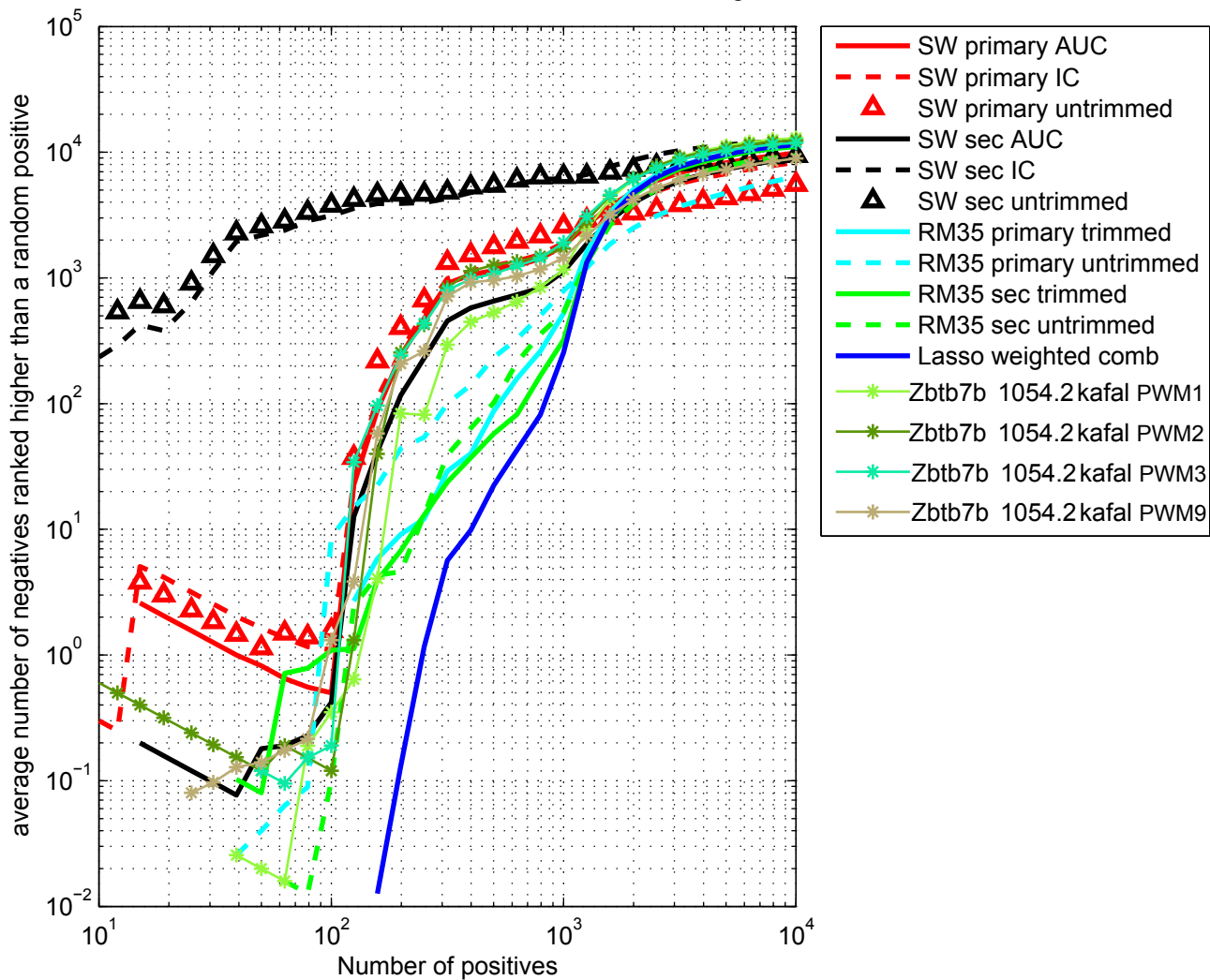
Zbtb12 2932.2 comb VSN normalized Zscore Averaged



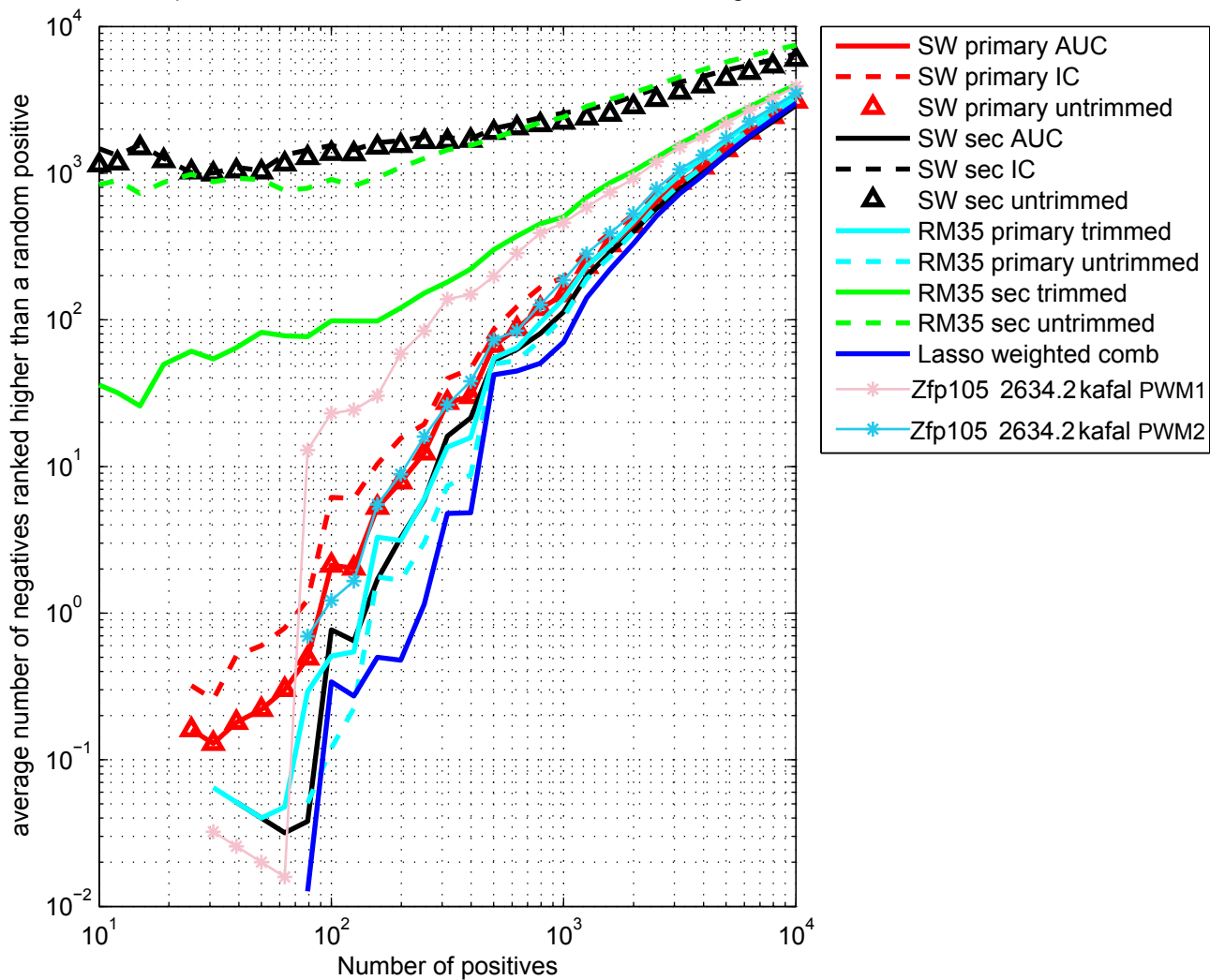
Zbtb3 1048.2 comb VSN normalized Zscore Averaged



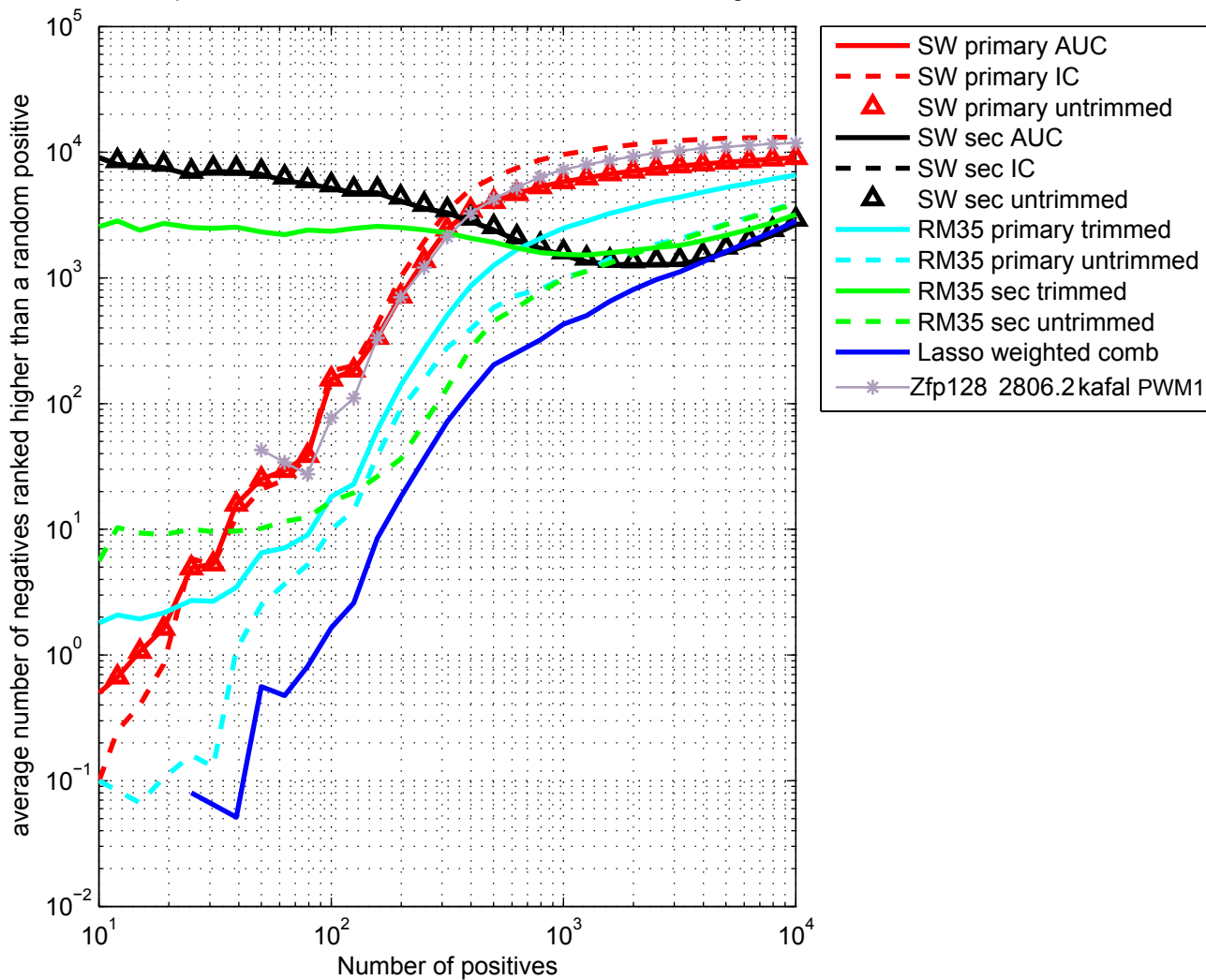
Zbtb7b 1054.2 comb VSN normalized Zscore Averaged



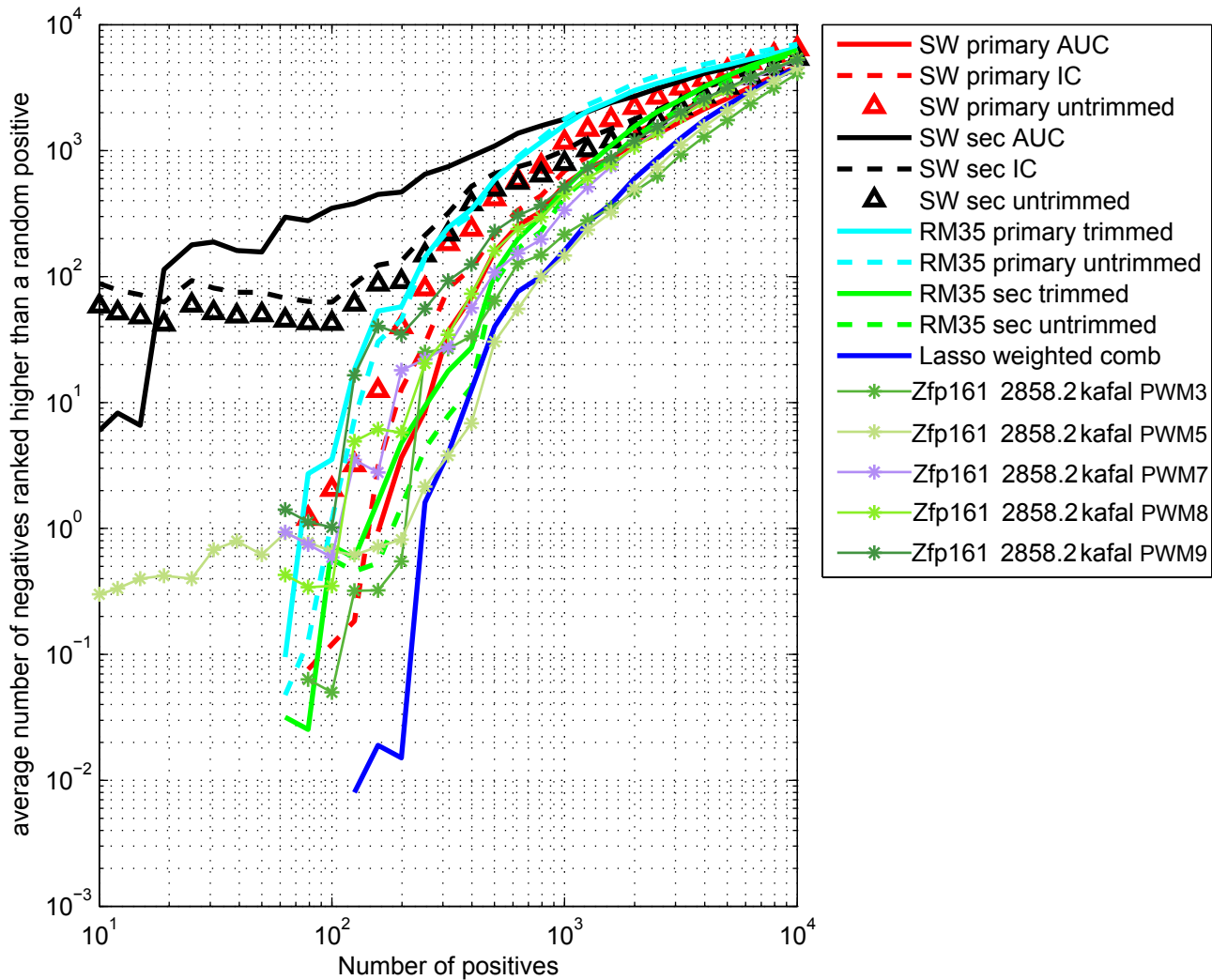
Zfp105 2634.2 comb VSN normalized Zscore Averaged



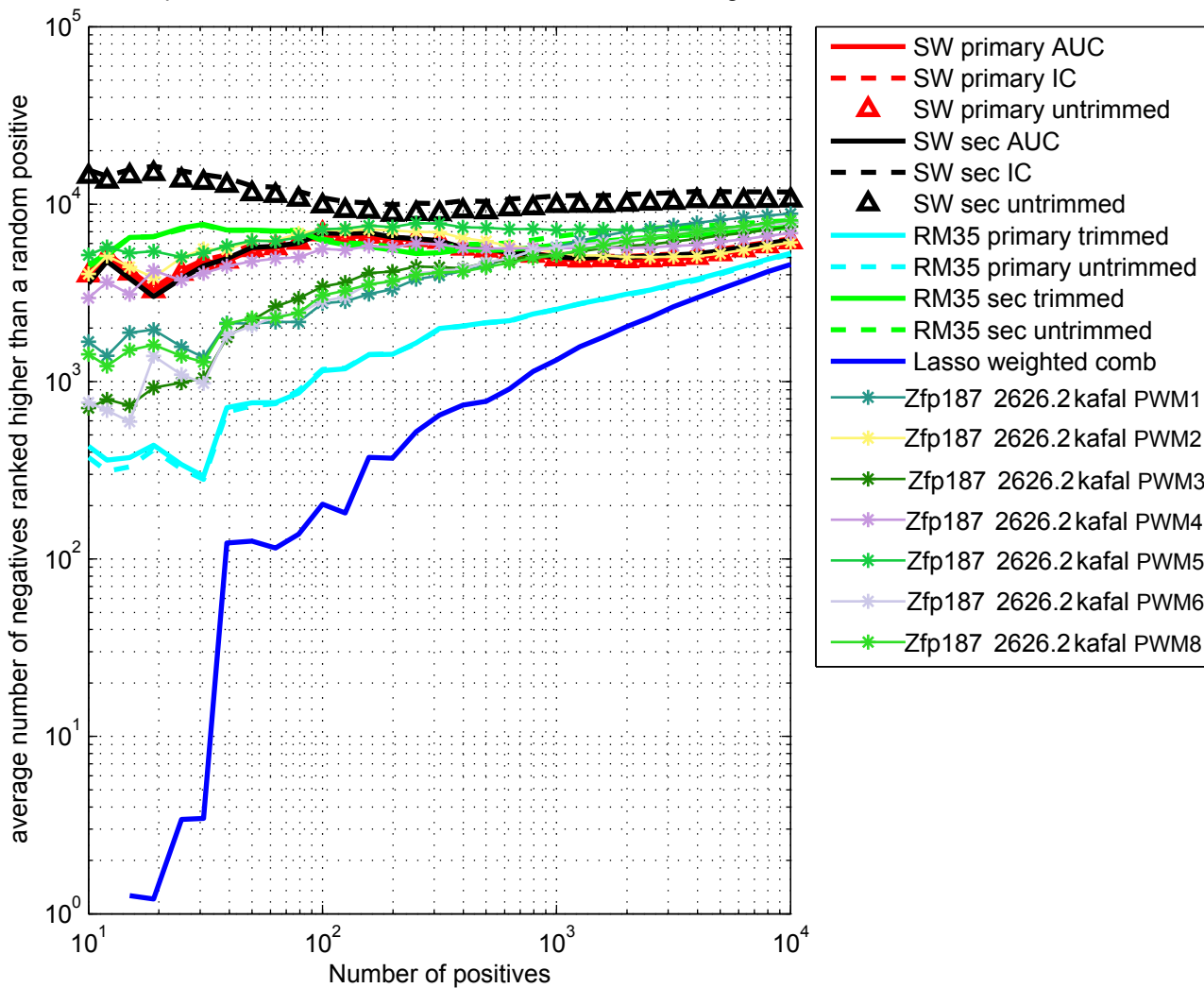
Zfp128 2806.2 comb VSN normalized Zscore Averaged



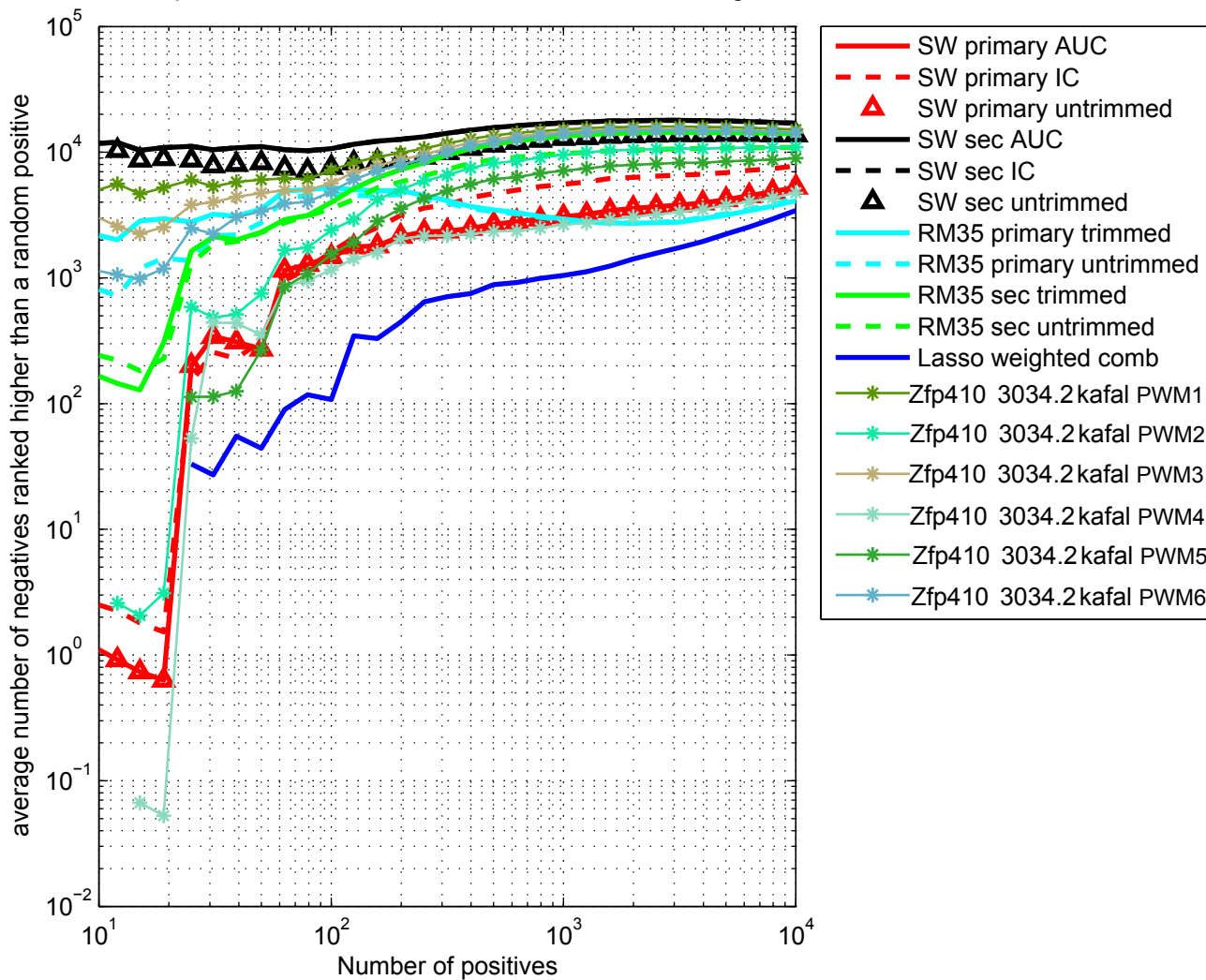
Zfp161 2858.2 comb VSN normalized Zscore Averaged



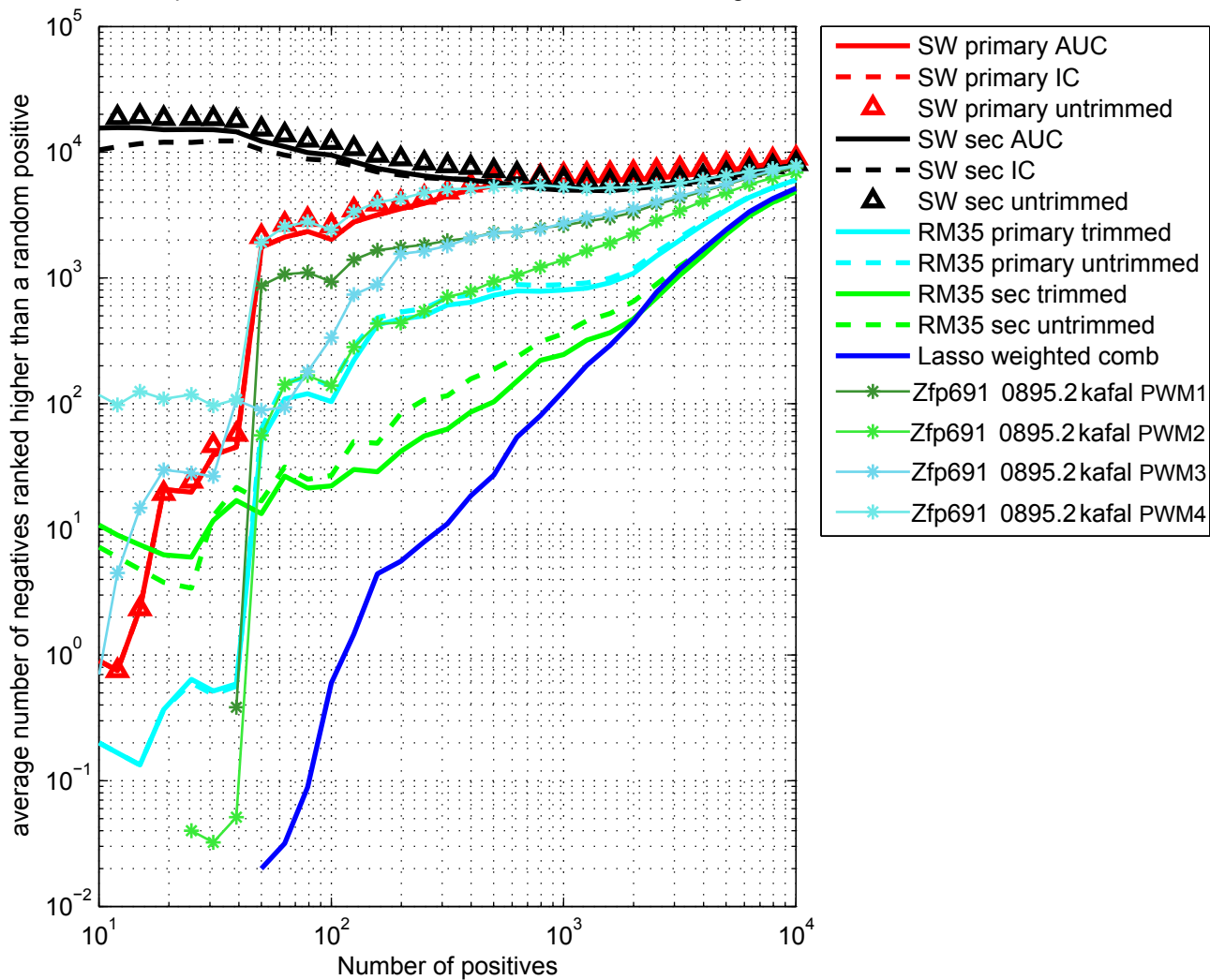
Zfp187 2626.2 comb VSN normalized Zscore Averaged



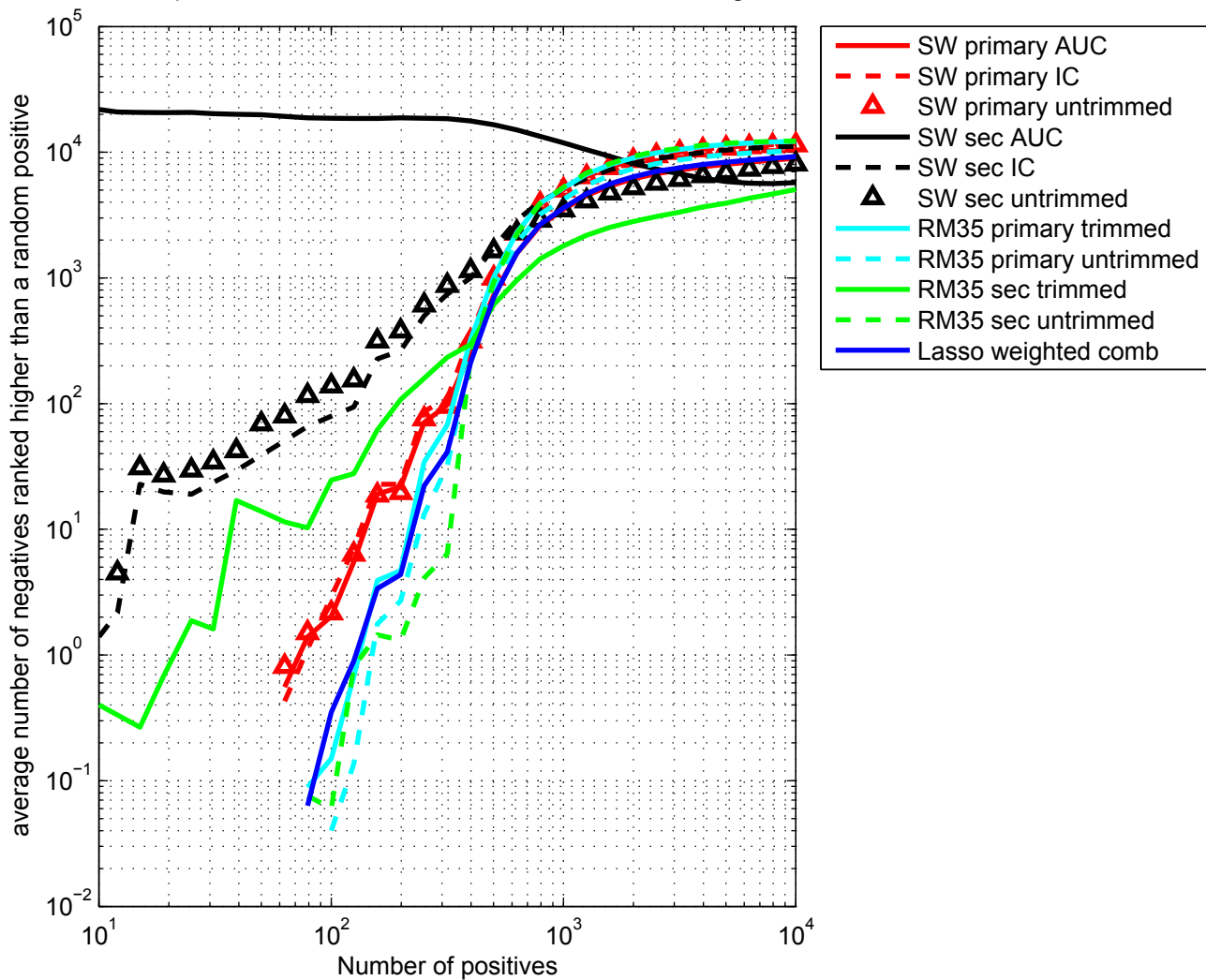
Zfp410 3034.2 comb VSN normalized Zscore Averaged



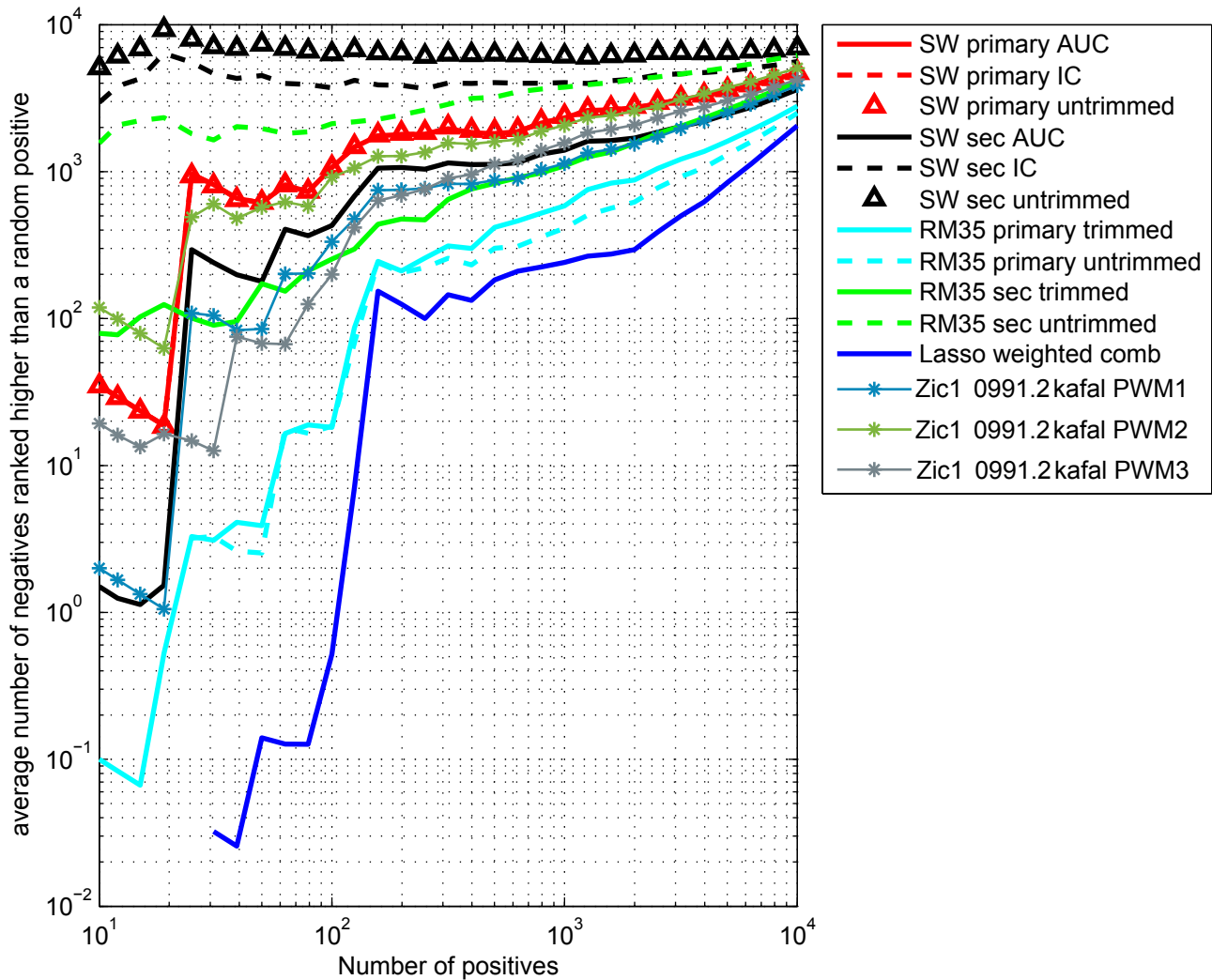
Zfp691 0895.2 comb VSN normalized Zscore Averaged



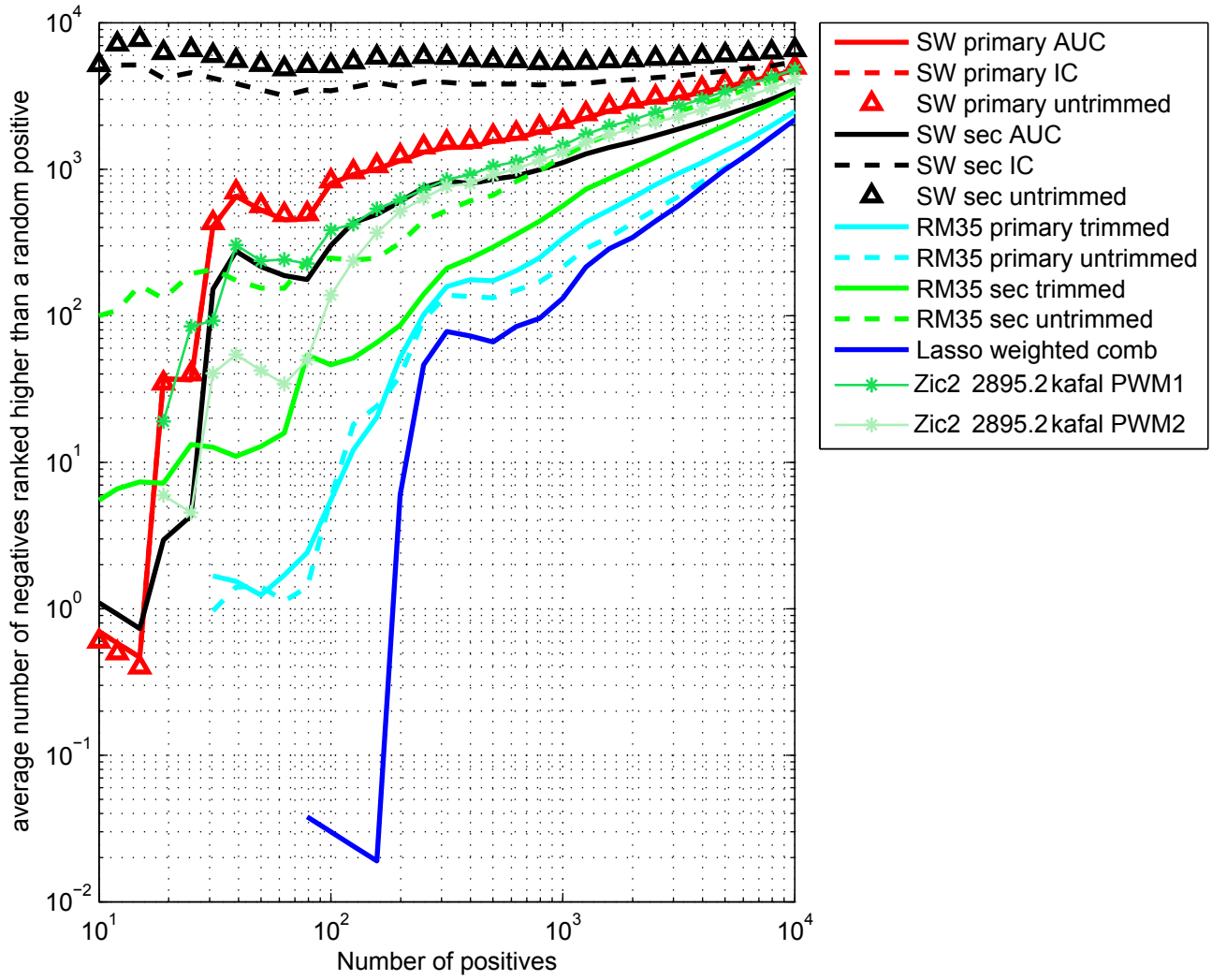
Zfp740 0925.2 comb VSN normalized Zscore Averaged



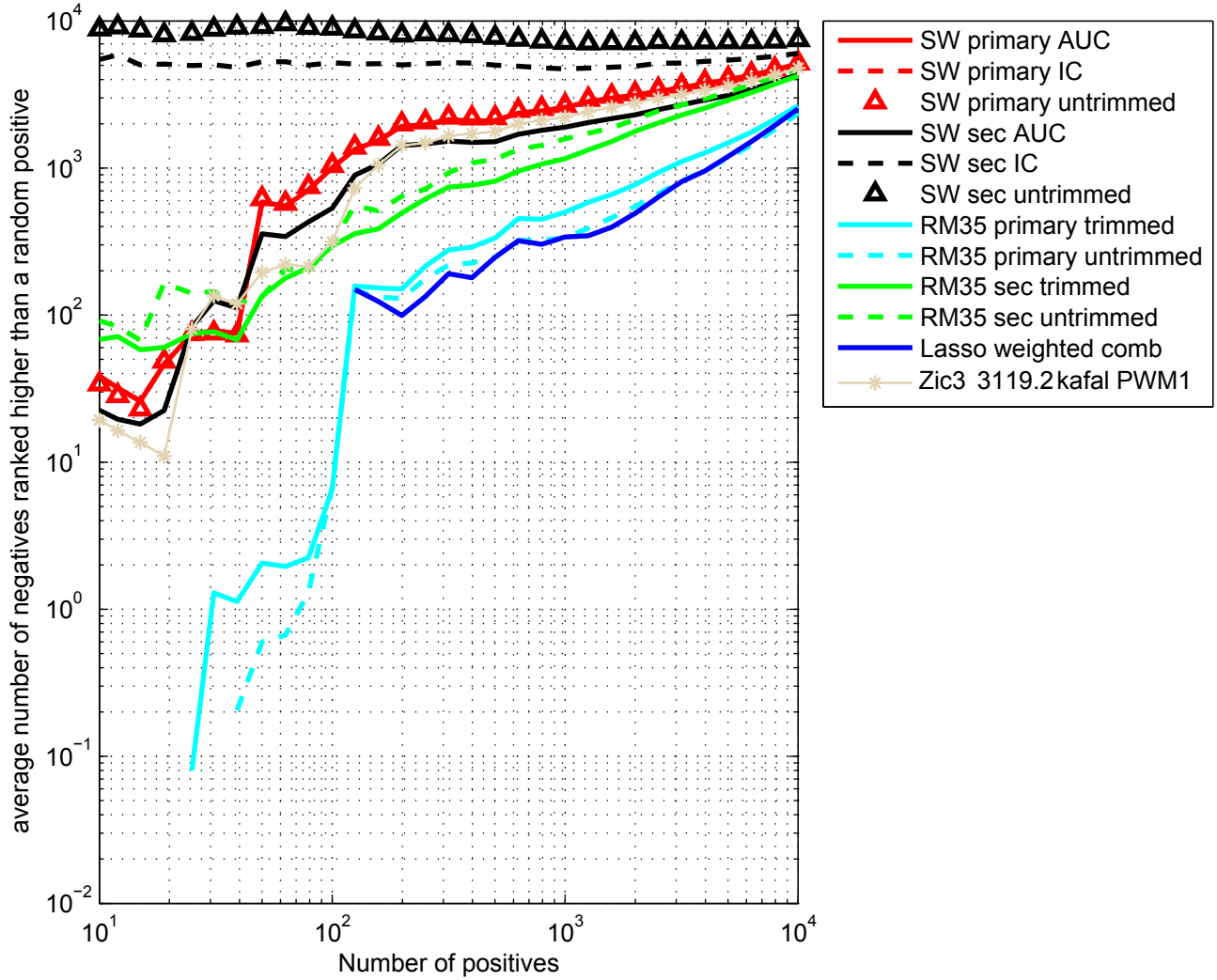
Zic1 0991.2 comb VSN normalized Zscore Averaged



Zic2 2895.2 comb VSN normalized Zscore Averaged



Zic3 3119.2 comb VSN normalized Zscore Averaged



Zscan4 2667.2 comb VSN normalized Zscore Averaged

