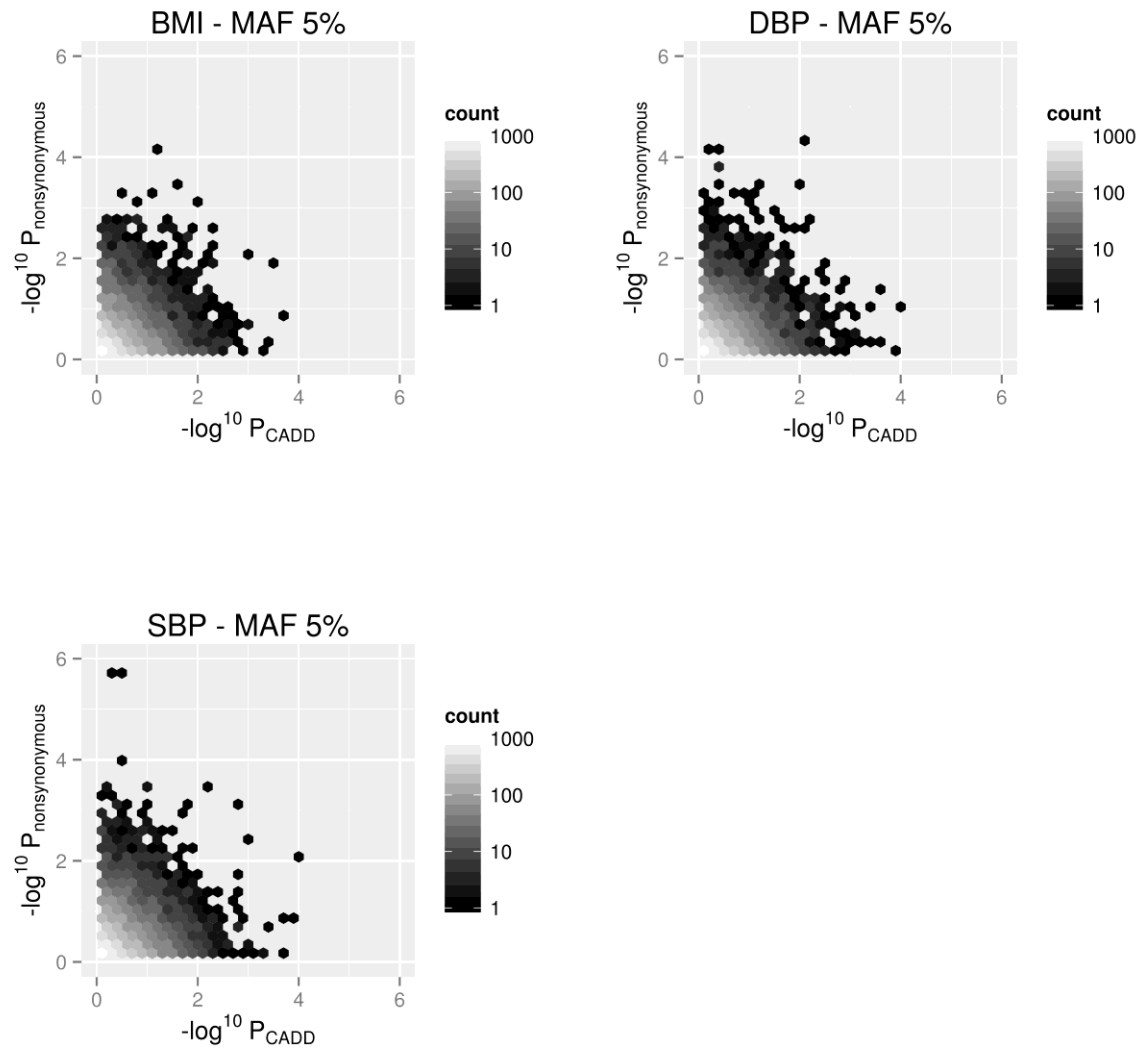
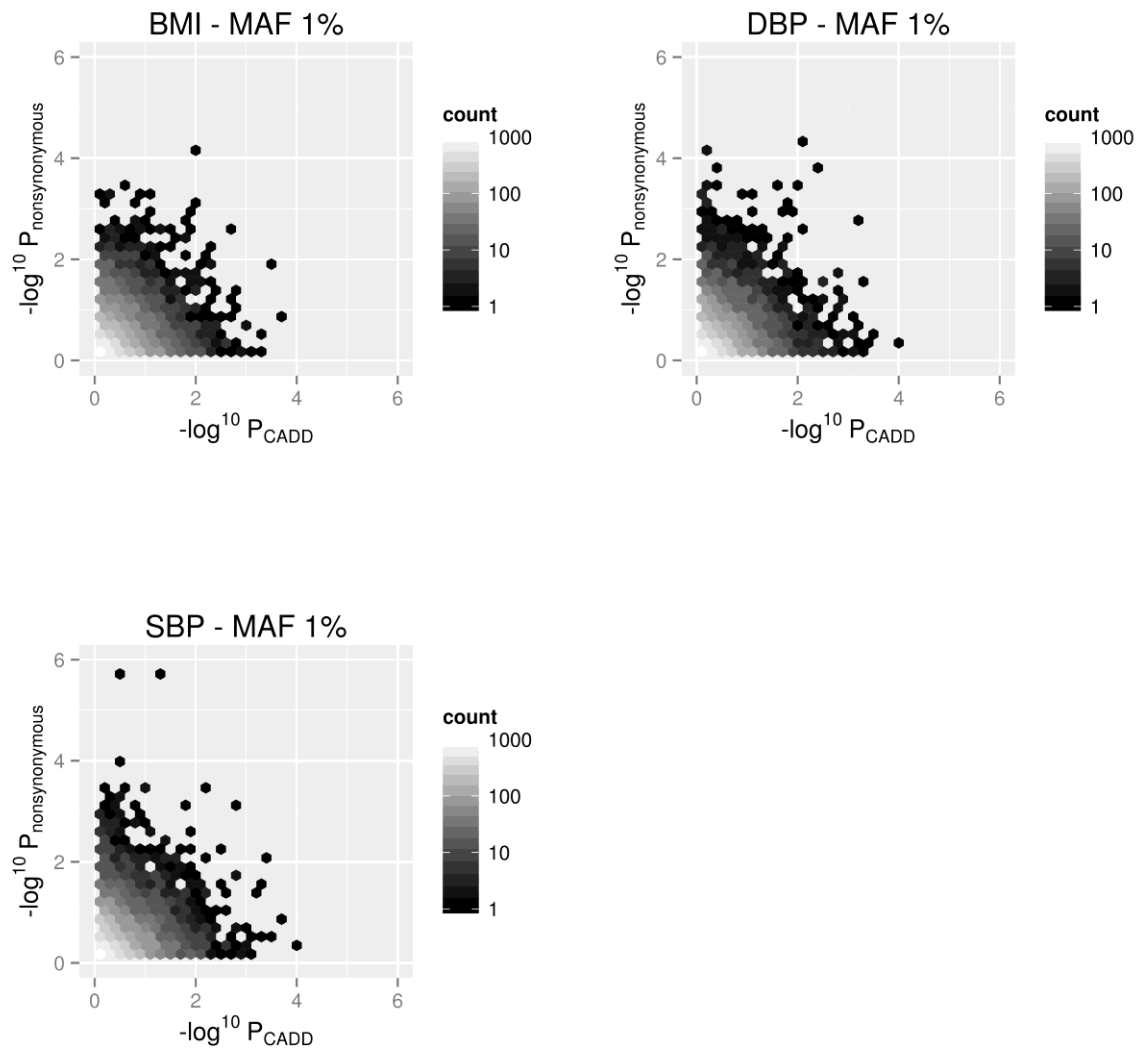


Supporting Information

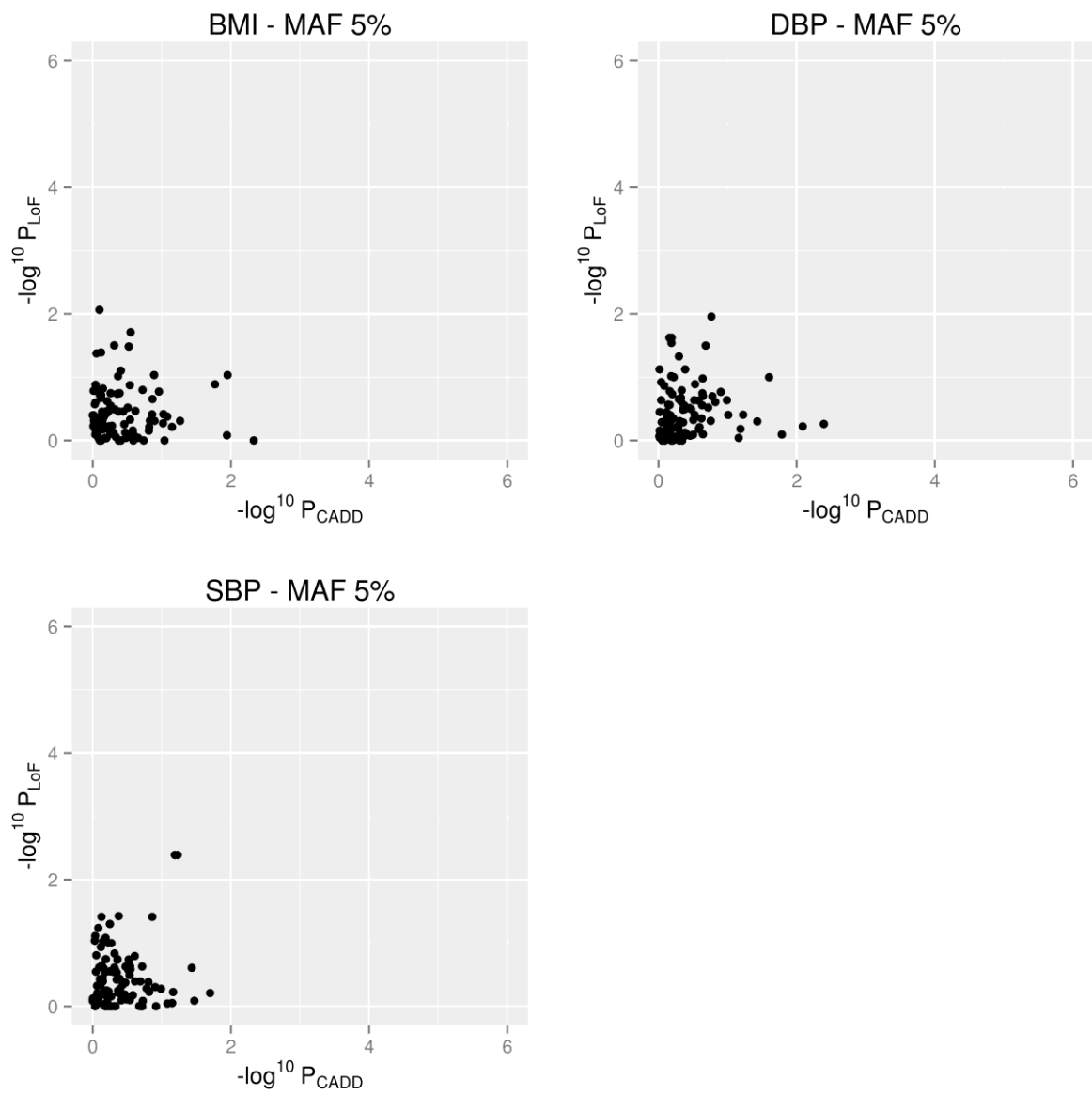
S1 Figure: Gene-based low frequency variant analyses across the genome using SKAT for 3 cardiovascular traits (compared with nonsynonymous filtering)

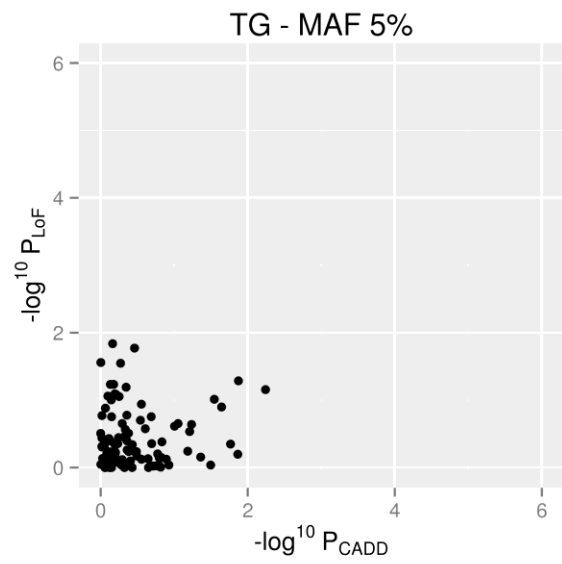
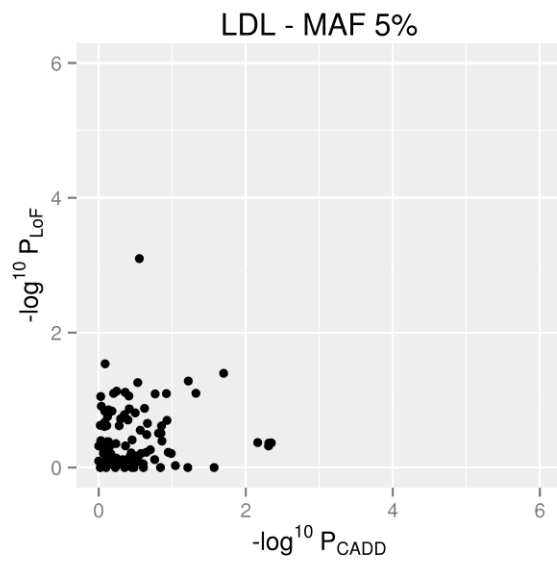
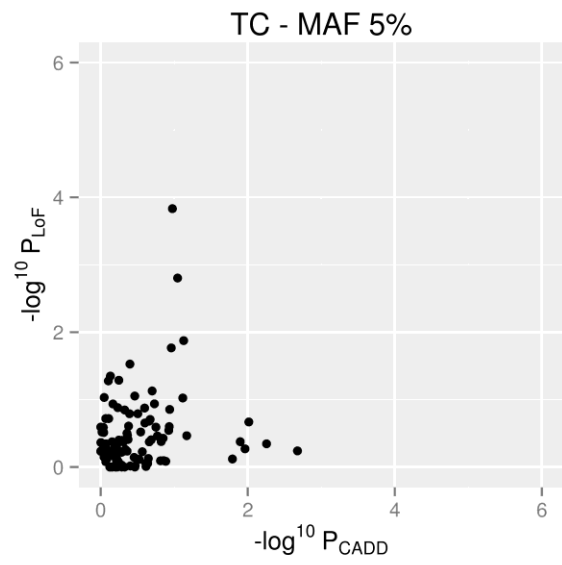
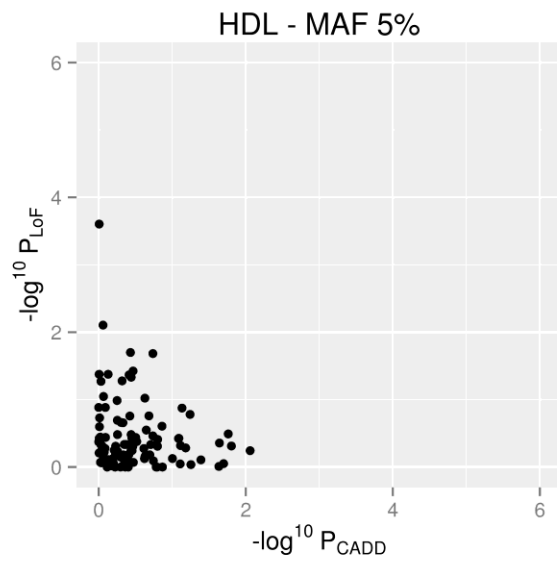


S2 Figure: Gene-based rare variant analyses across the genome using SKAT for 3 cardiovascular traits (compared with nonsynonymous filtering)

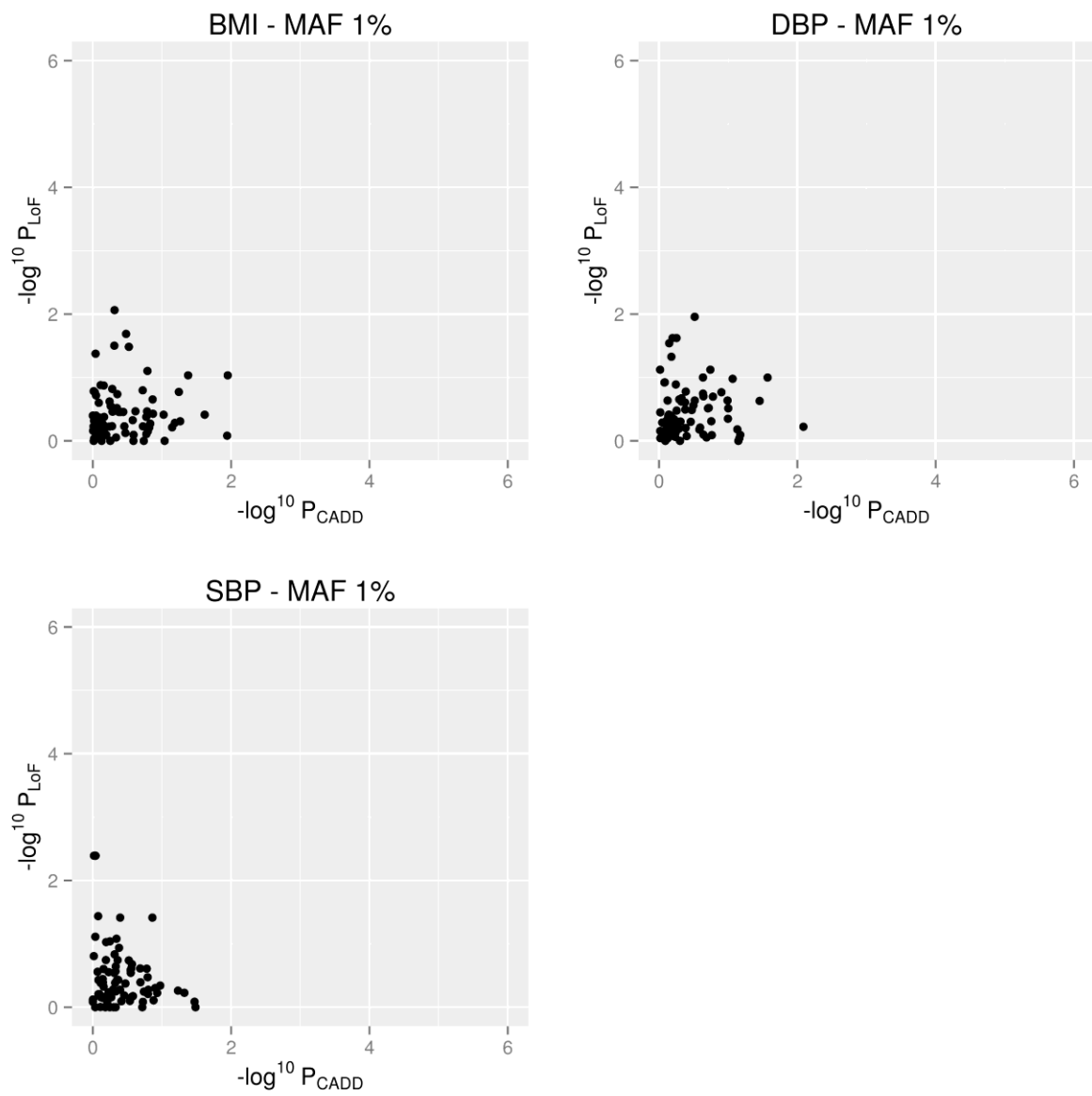


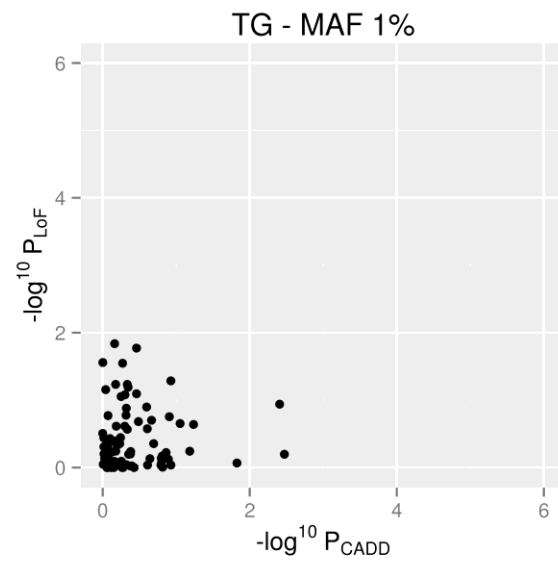
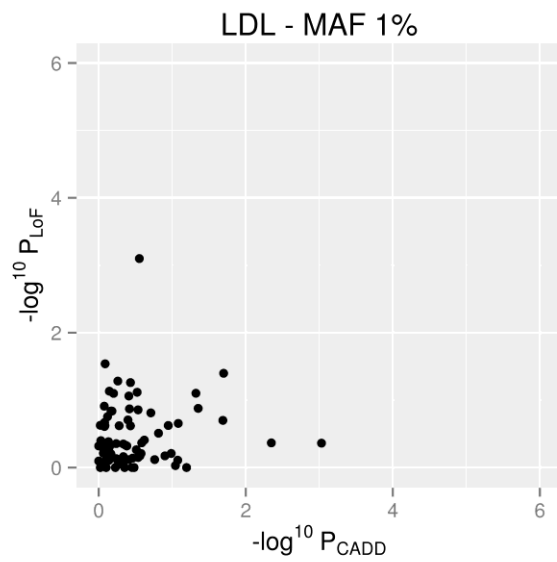
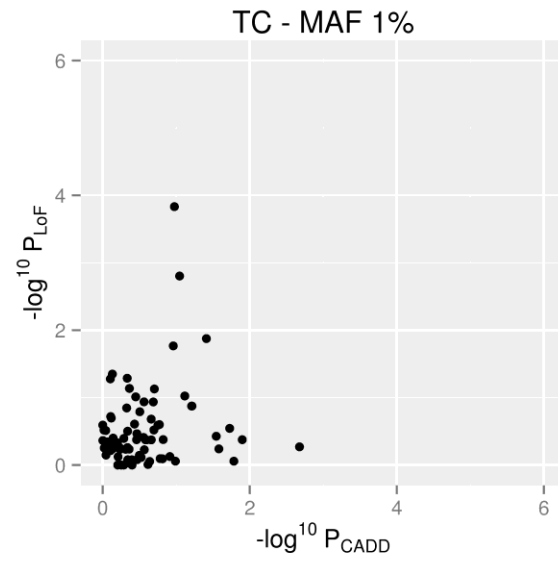
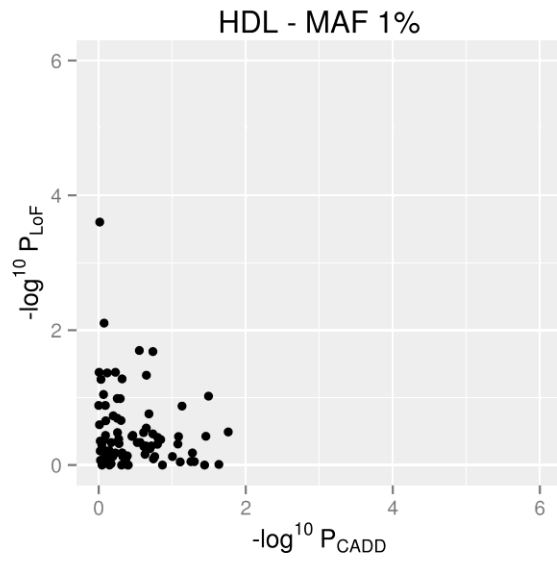
S3 Figure: Gene-based low frequency variant analyses across the genome using SKAT for 7 cardiovascular traits (compared with loss-of-function filtering)



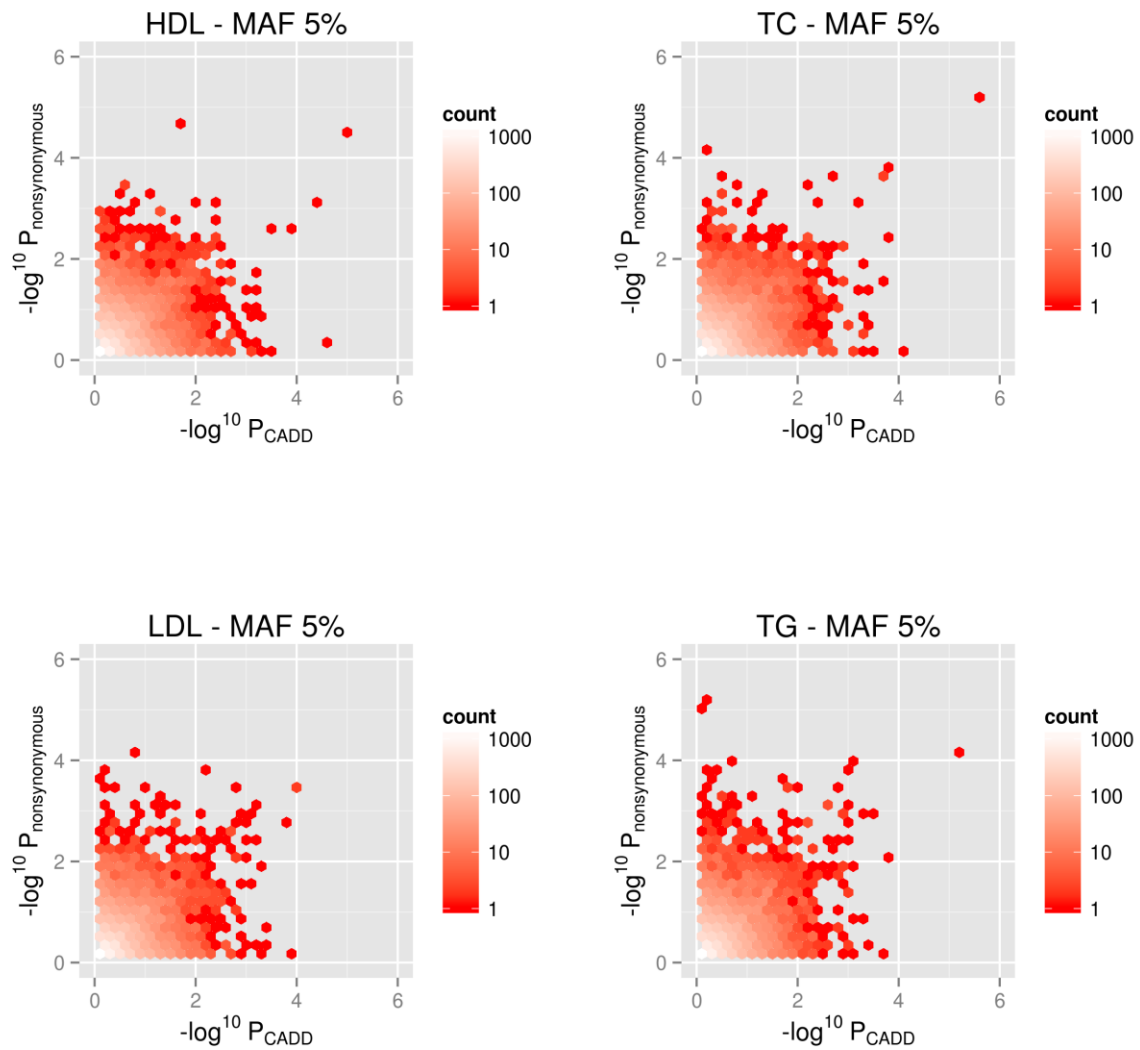


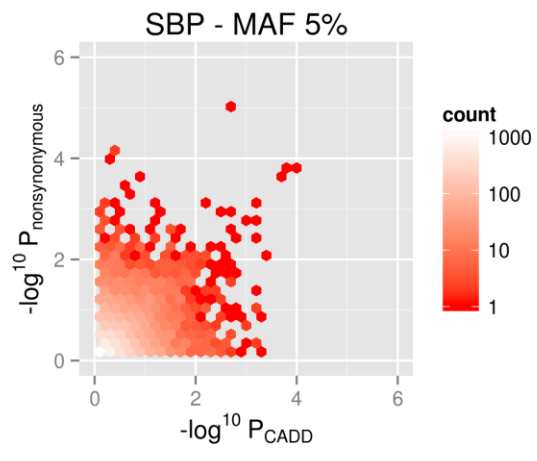
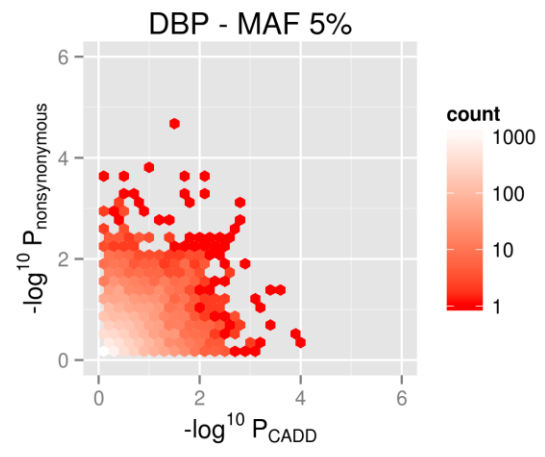
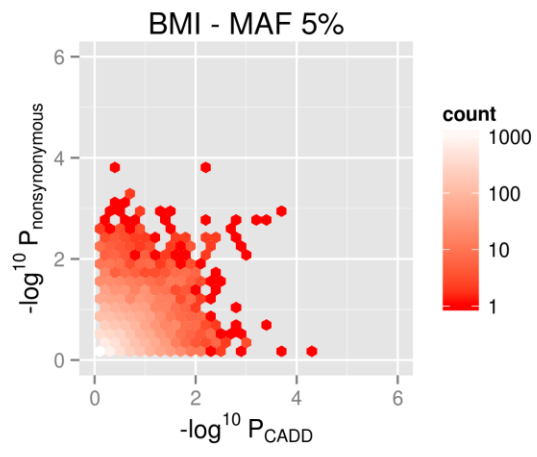
S4 Figure: Gene-based rare variant analyses across the genome using SKAT for 7 cardiovascular traits (compared with loss-of-function filtering)



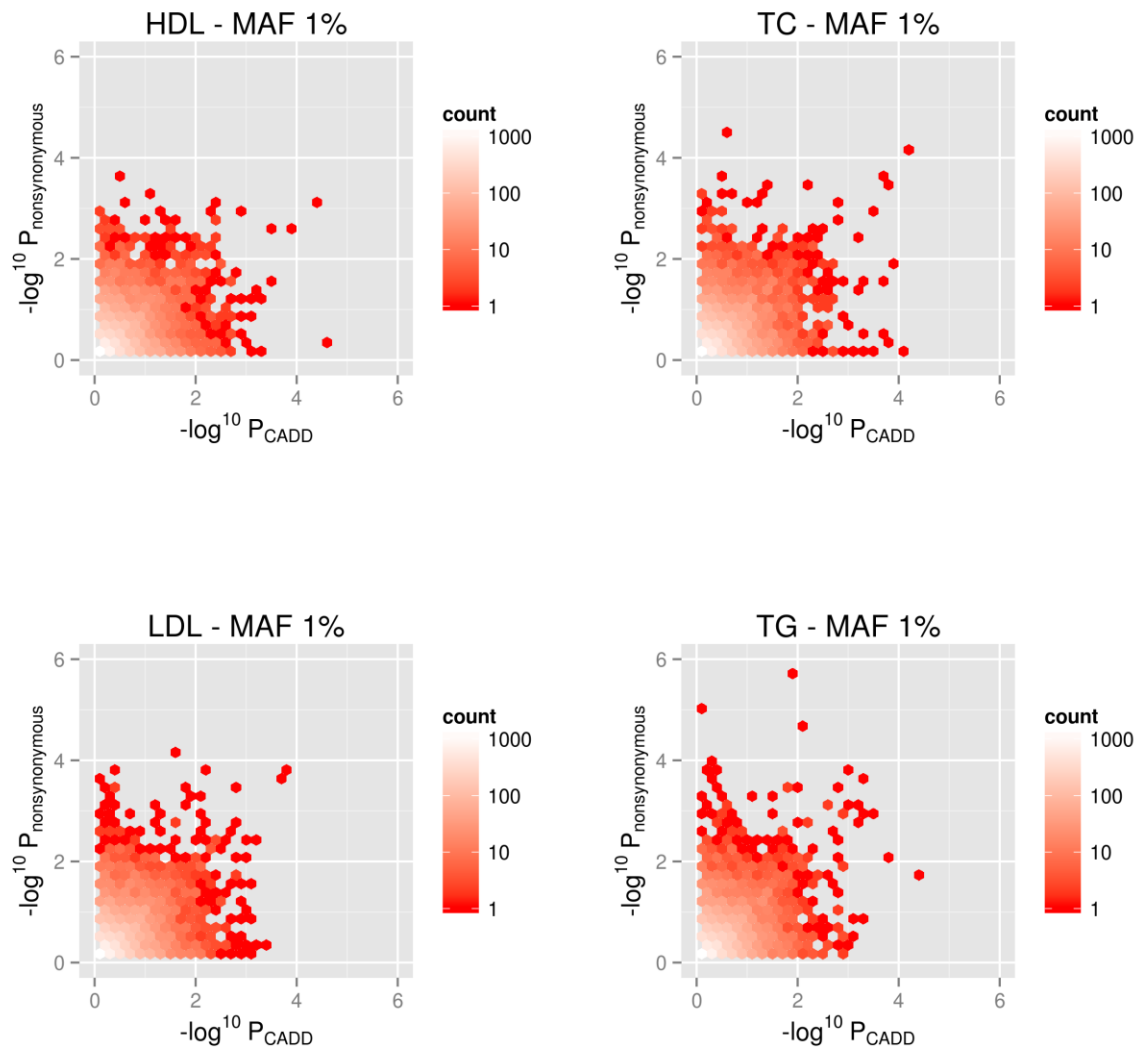


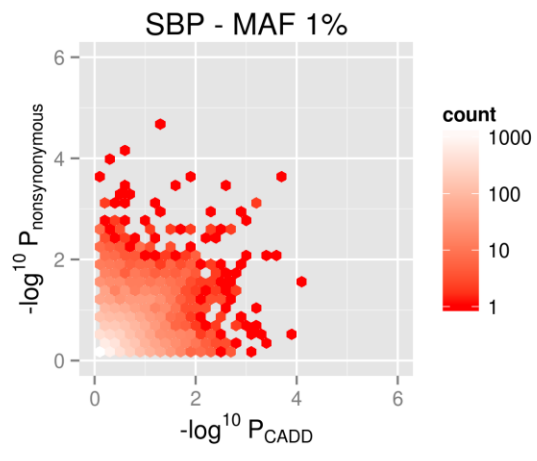
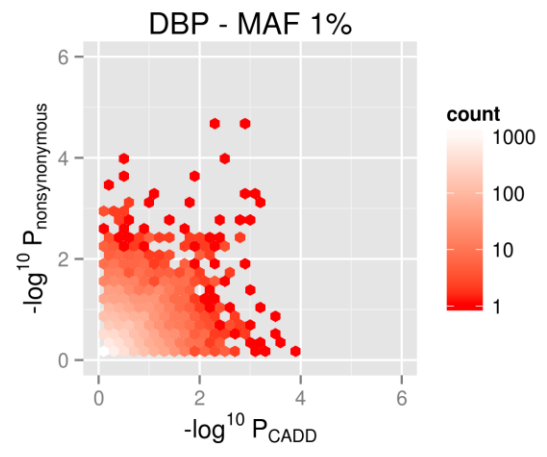
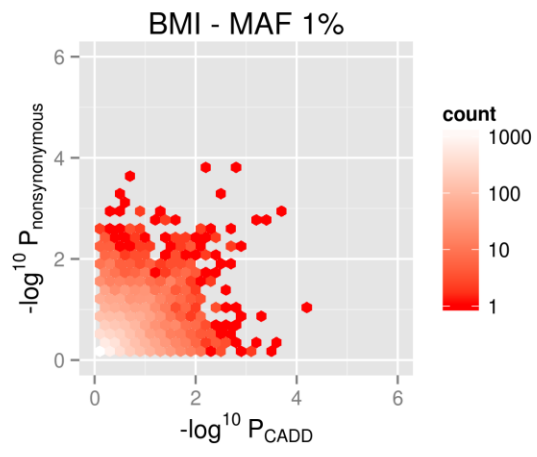
S5 Figure: Gene-based low frequency variant analyses across the genome using SKAT-O for 7 cardiovascular traits (compared with nonsynonymous filtering)



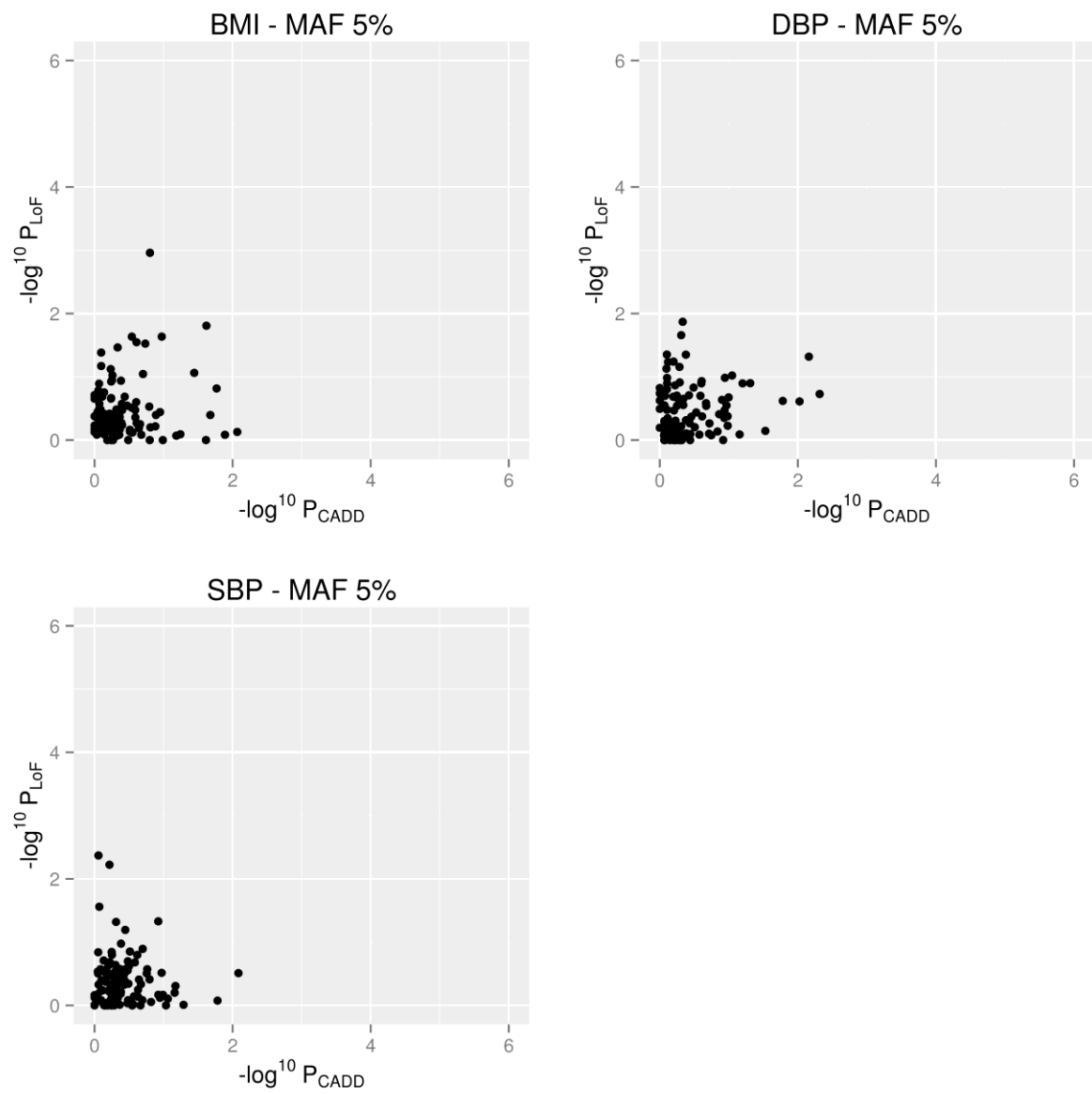


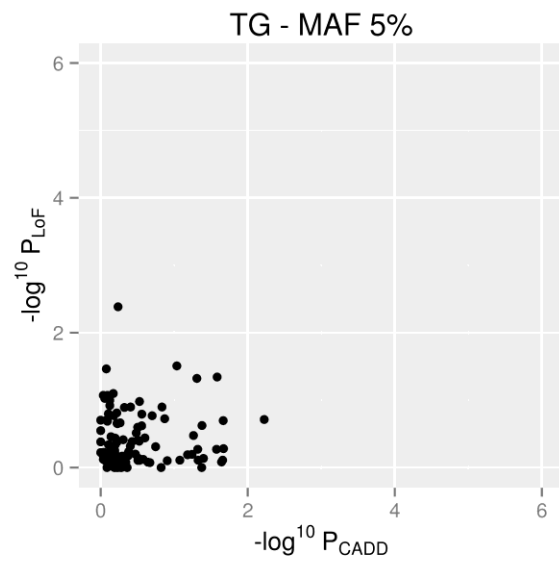
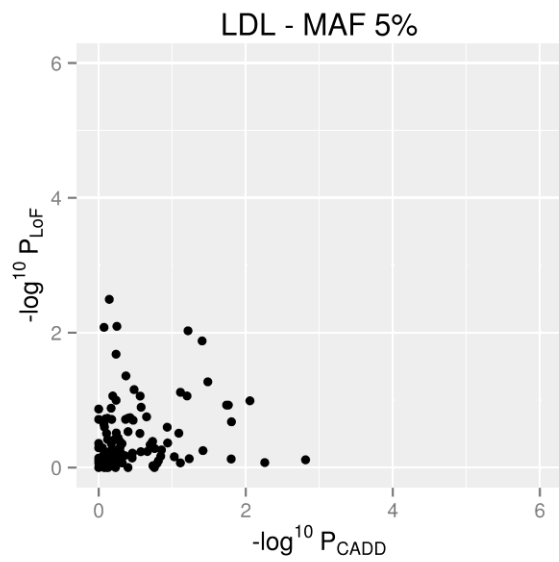
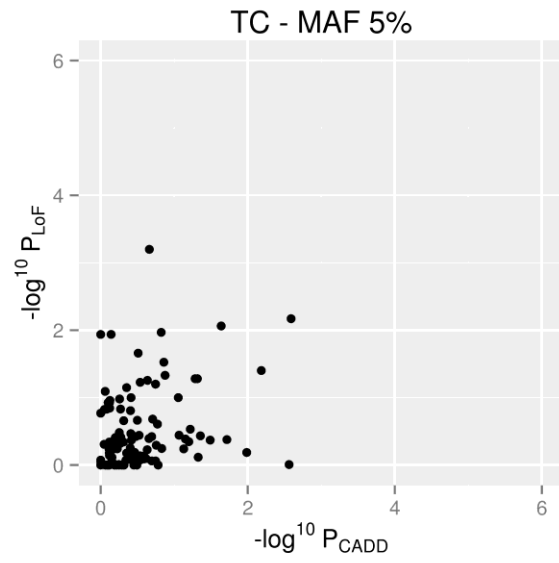
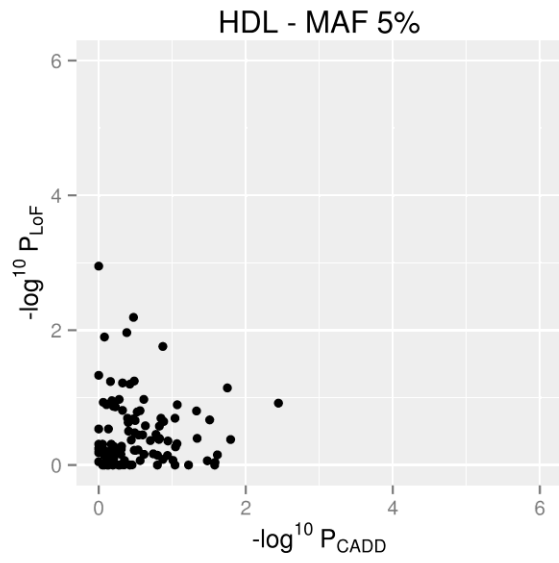
S6 Figure: Gene-based rare variant analyses across the genome using SKAT-O for 7 cardiovascular traits (compared with nonsynonymous filtering)



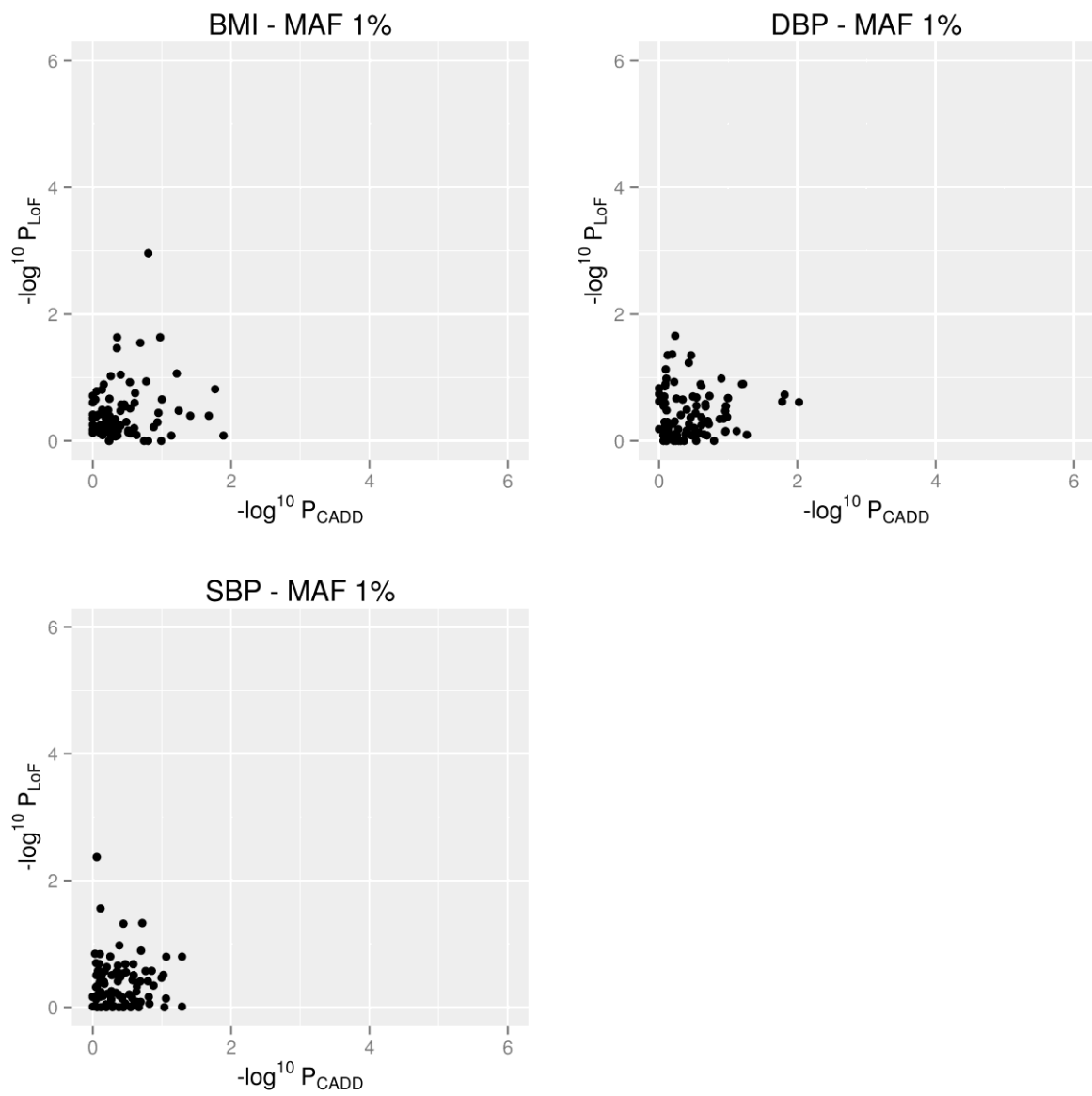


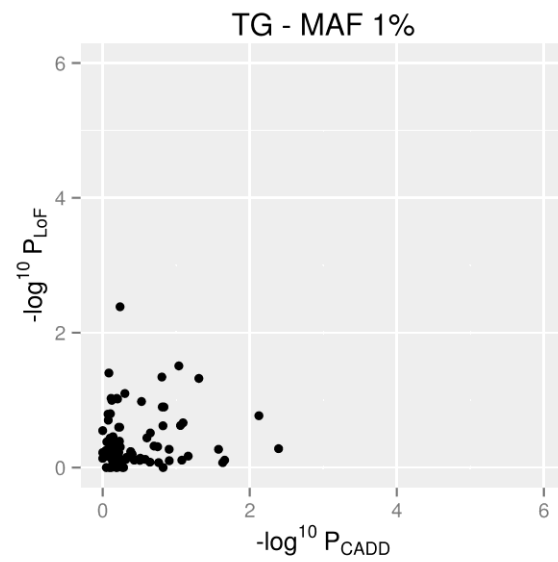
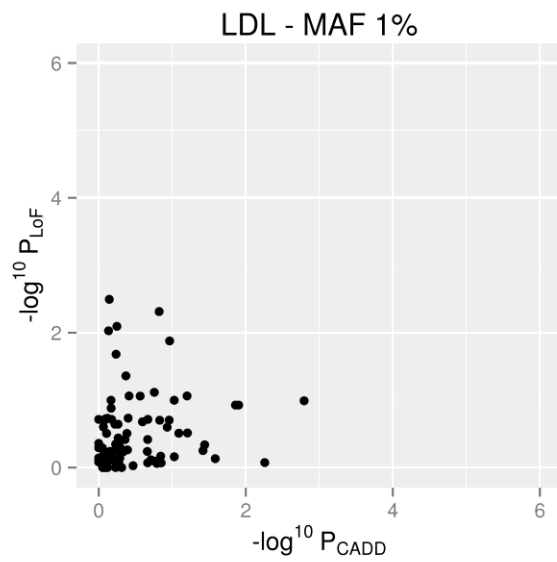
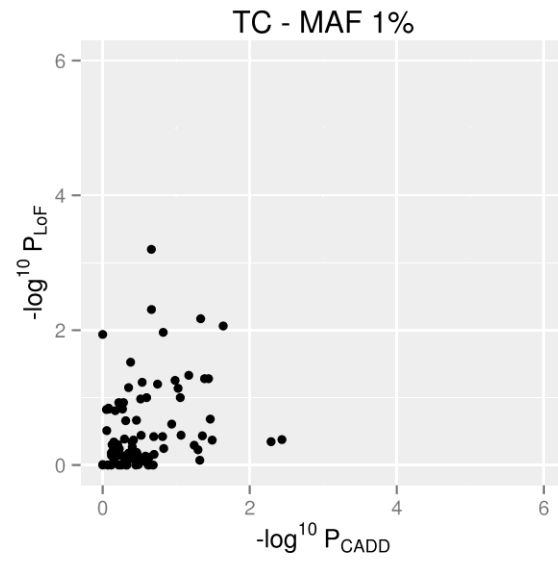
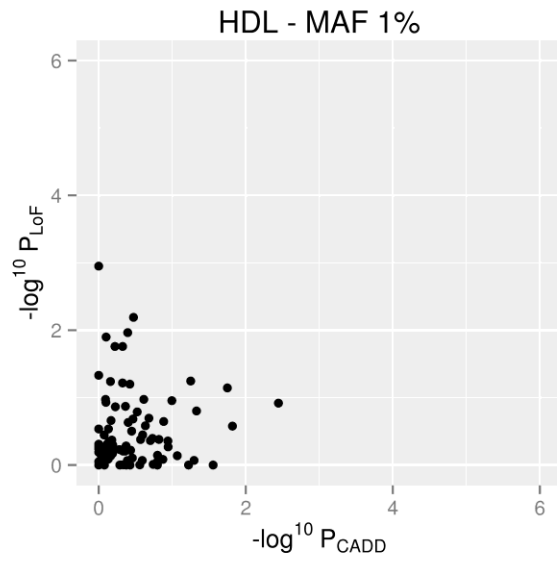
S7 Figure: Gene-based low frequency variant analyses across the genome using SKAT-O for 7 cardiovascular traits (compared with loss-of-function filtering)



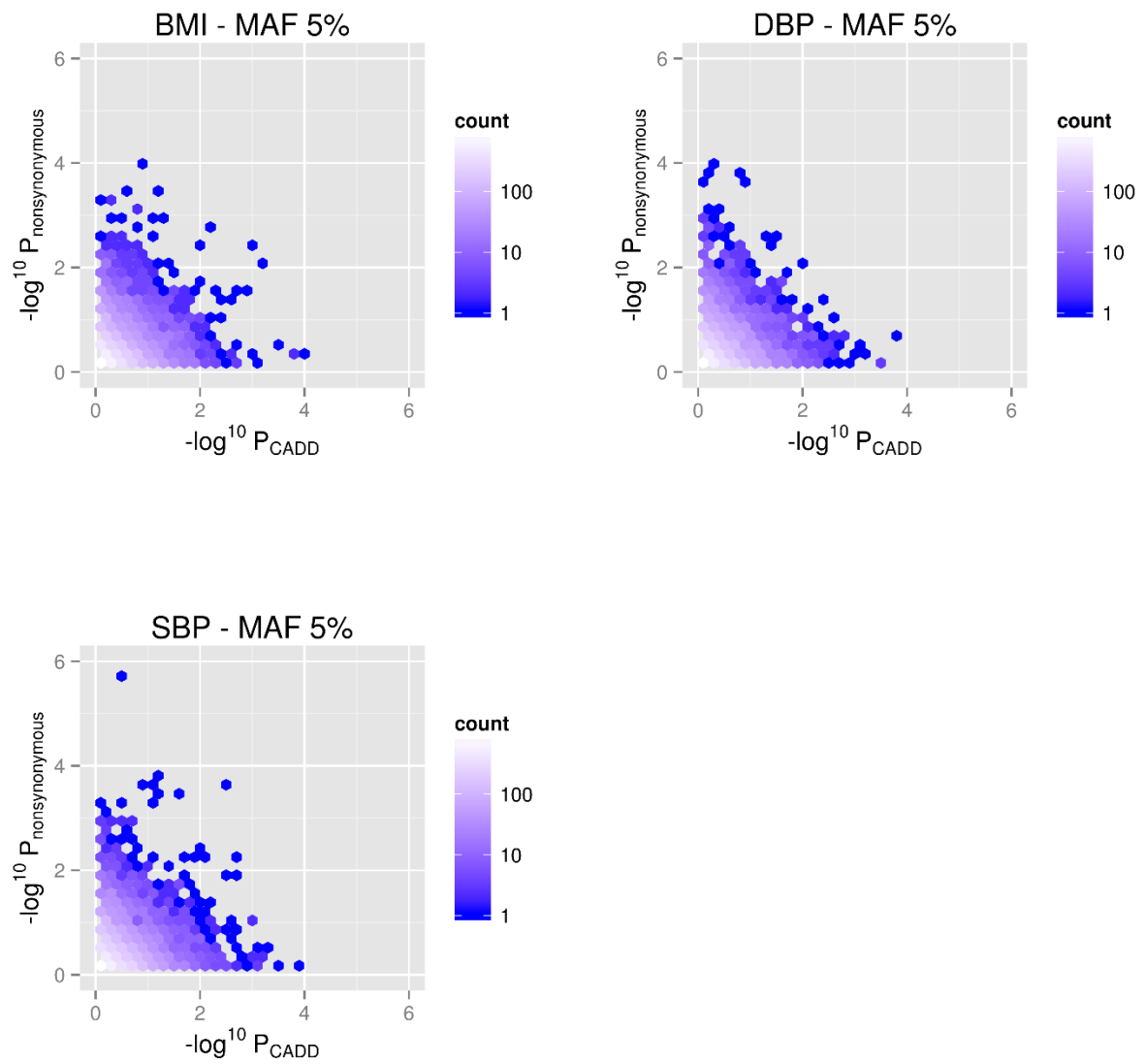


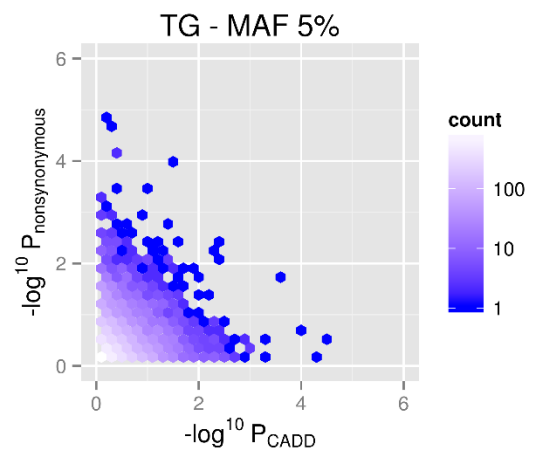
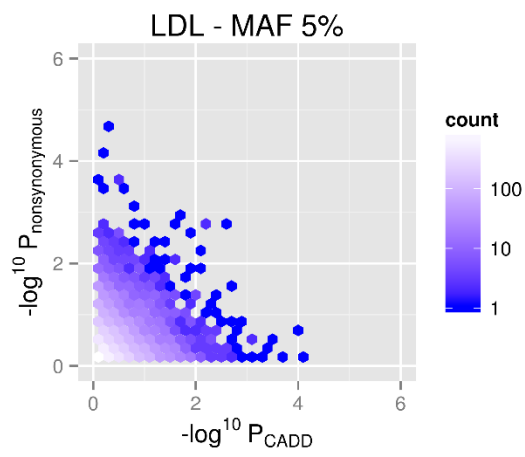
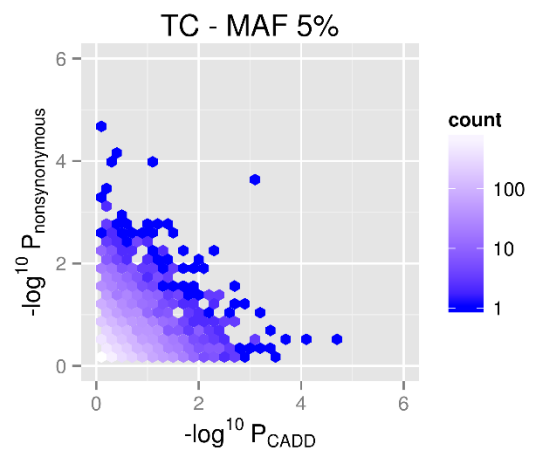
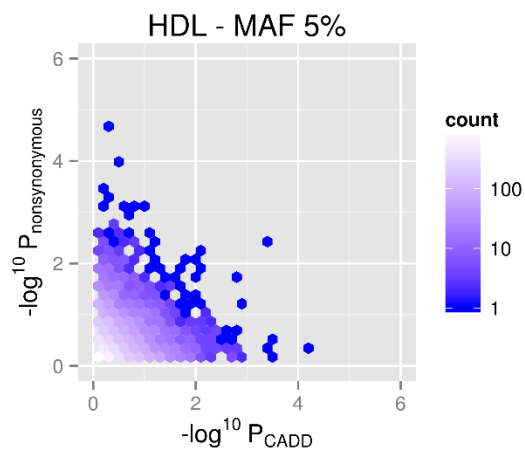
S8 Figure: Gene-based rare variant analyses across the genome using SKAT-O for 7 cardiovascular traits (compared with loss-of-function filtering)



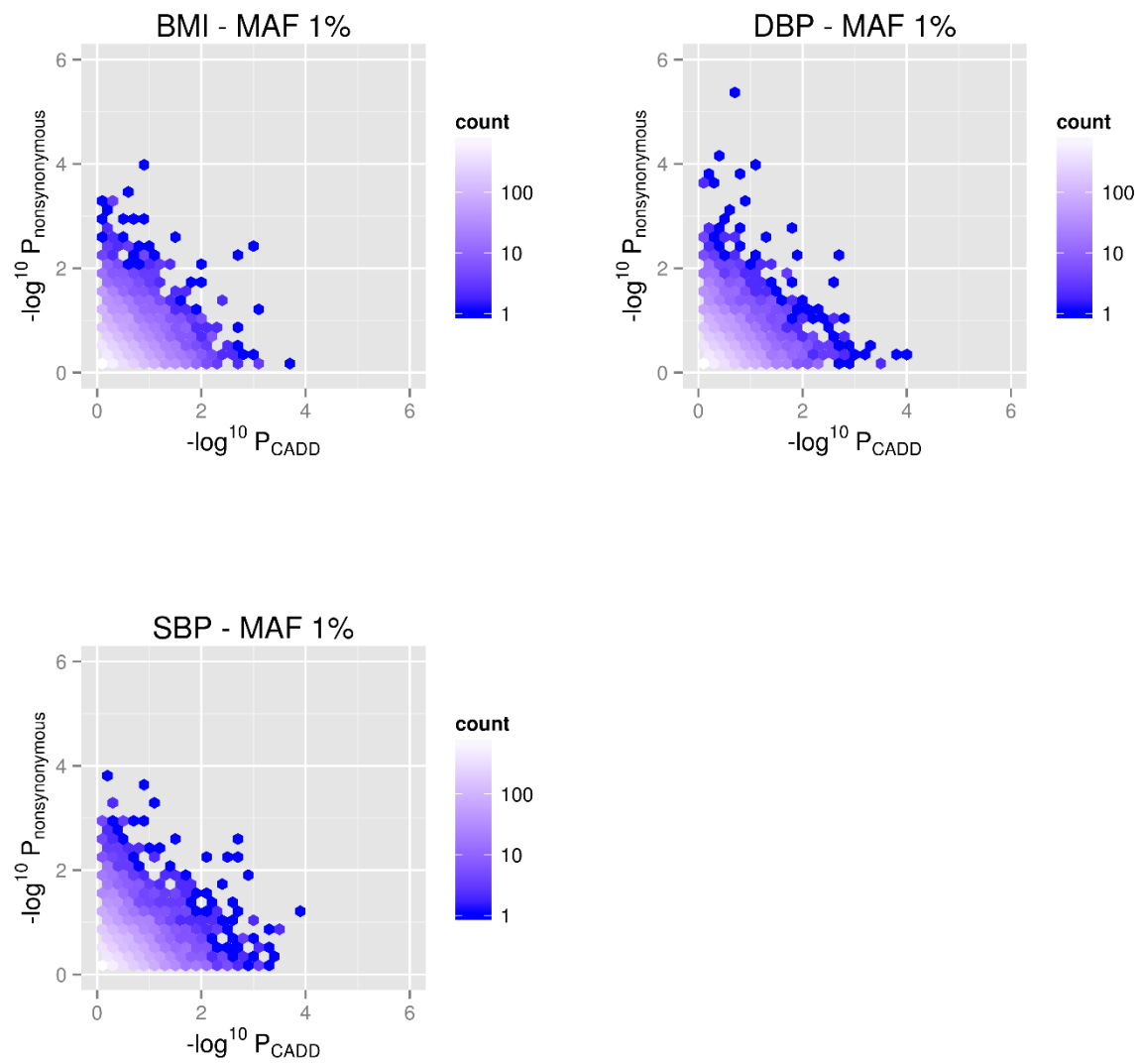


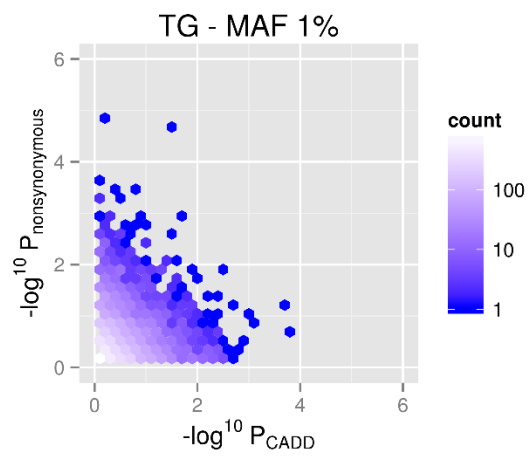
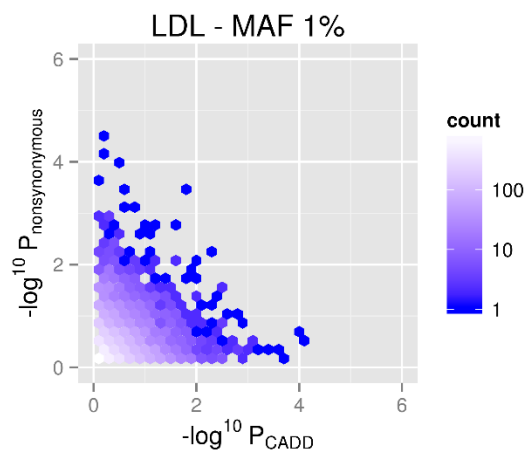
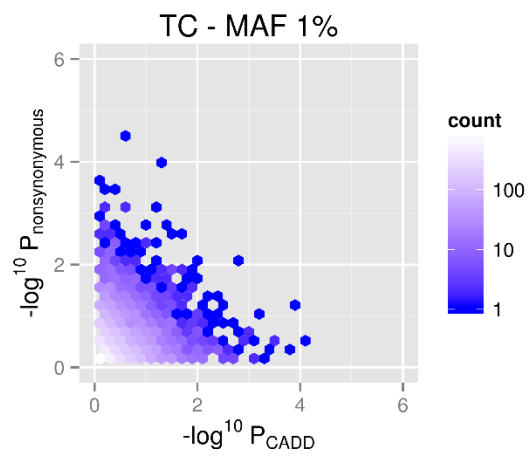
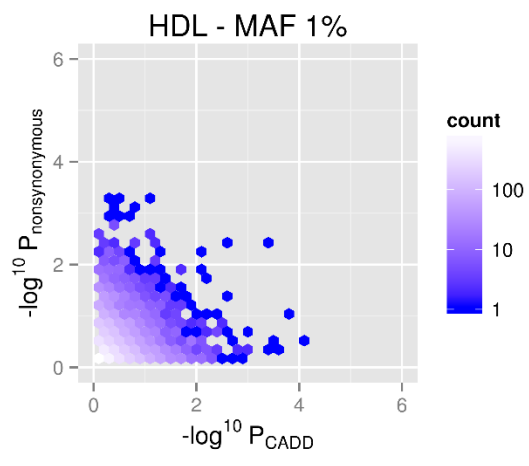
S9 Figure: Gene-based low frequency variant analyses across the genome using MiST for 7 cardiovascular traits (compared with nonsynonymous filtering)



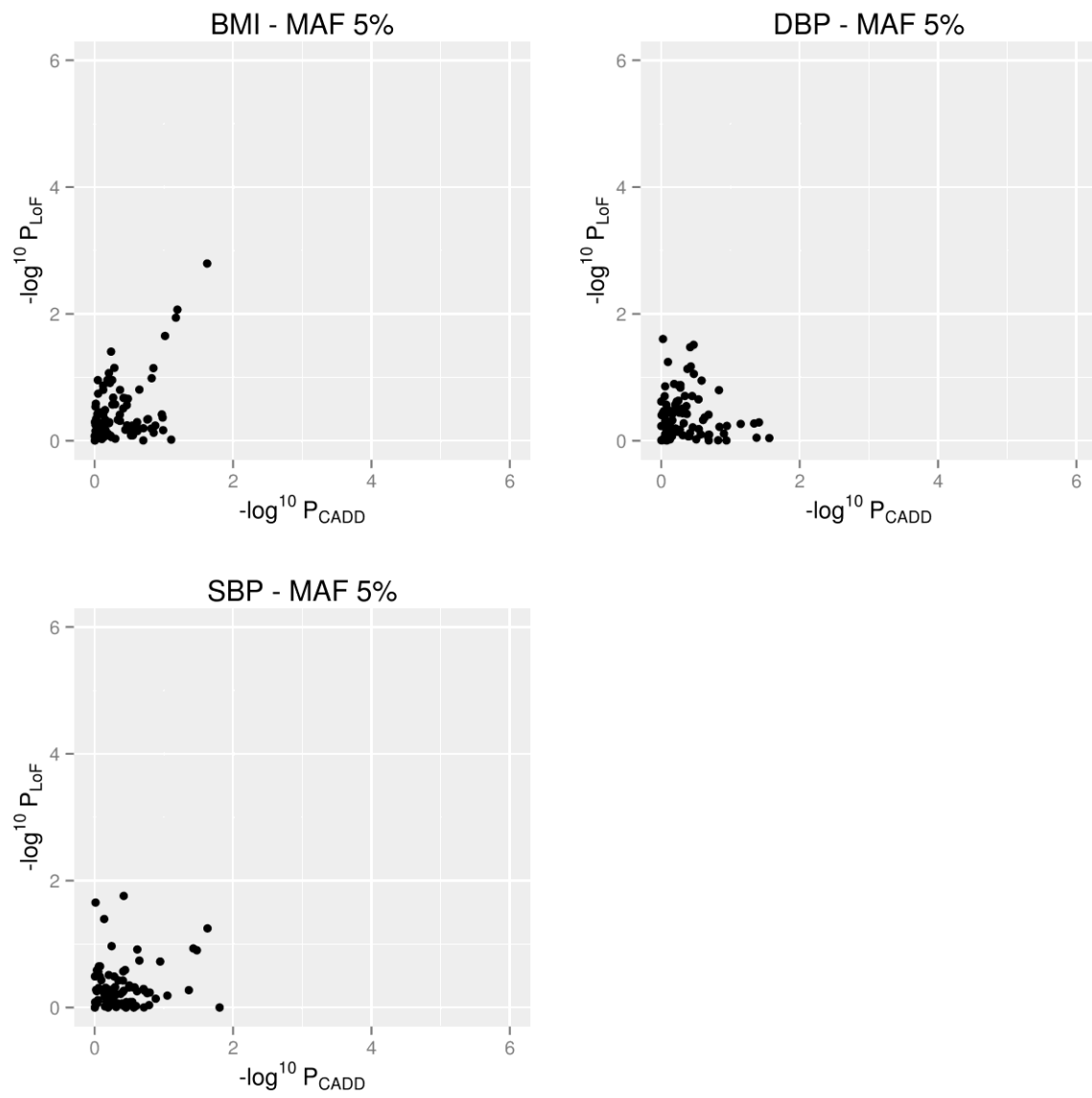


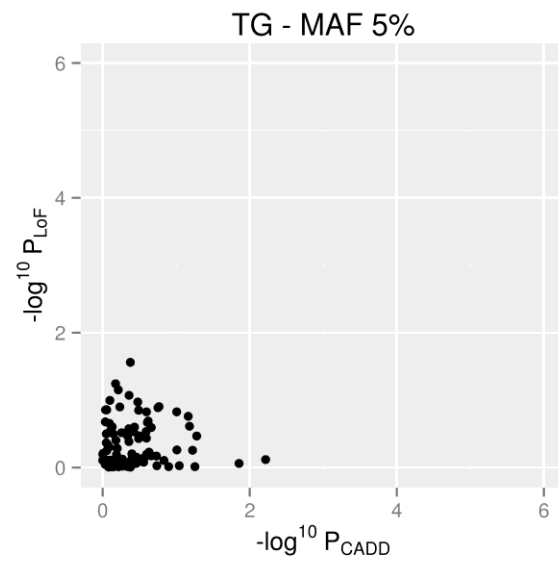
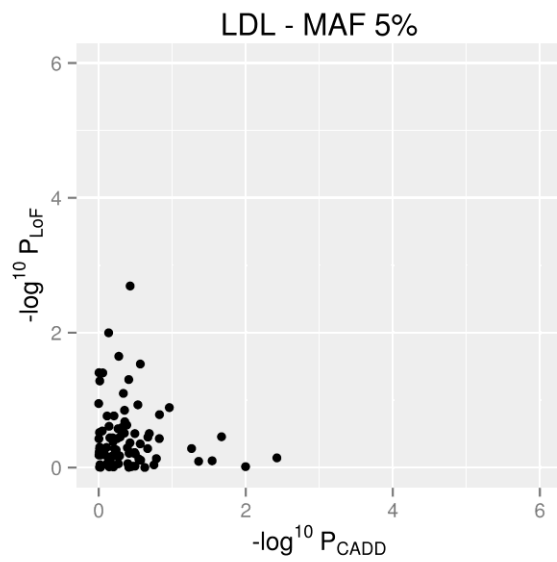
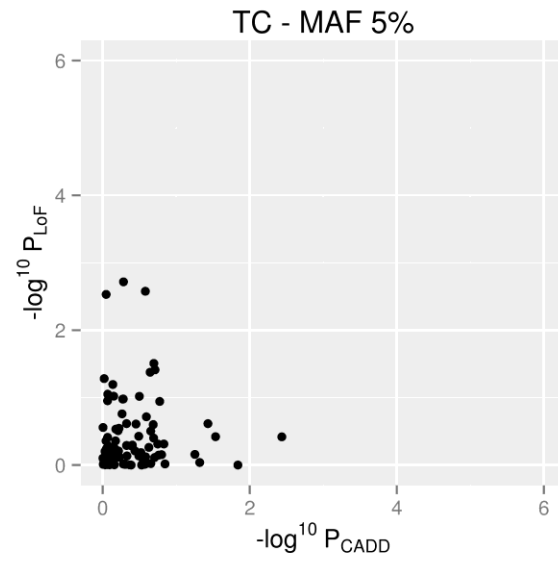
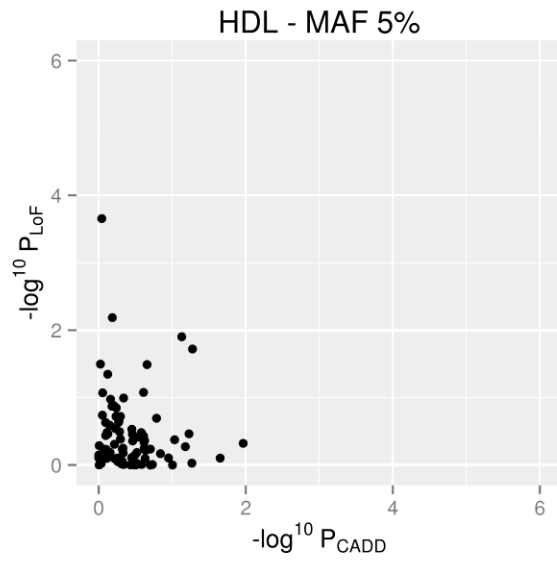
S10 Figure: Gene-based rare variant analyses across the genome using MiST for 7 cardiovascular traits (compared with nonsynonymous filtering)



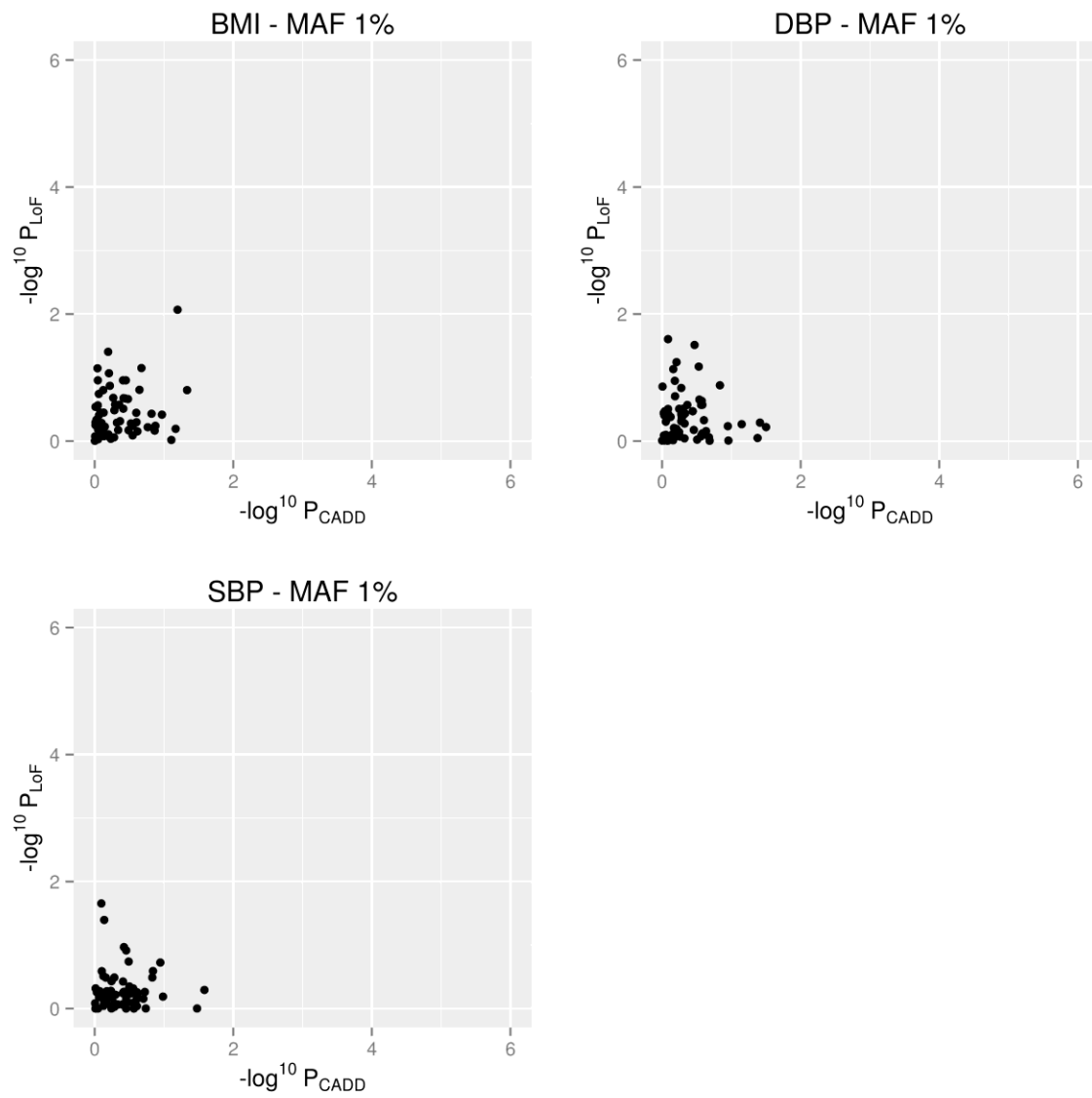


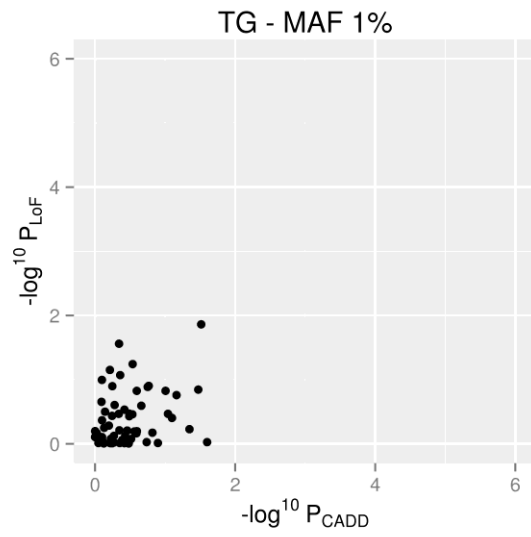
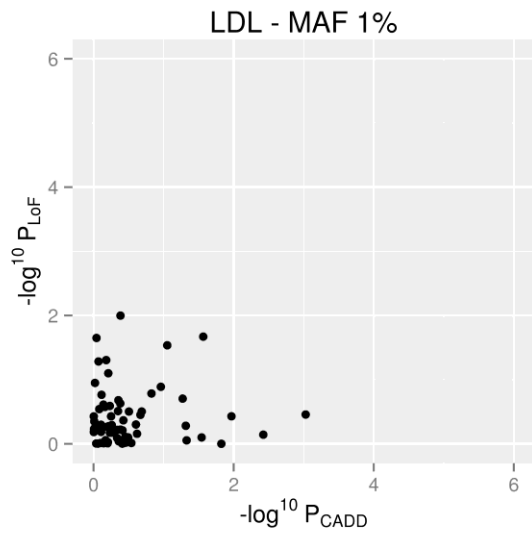
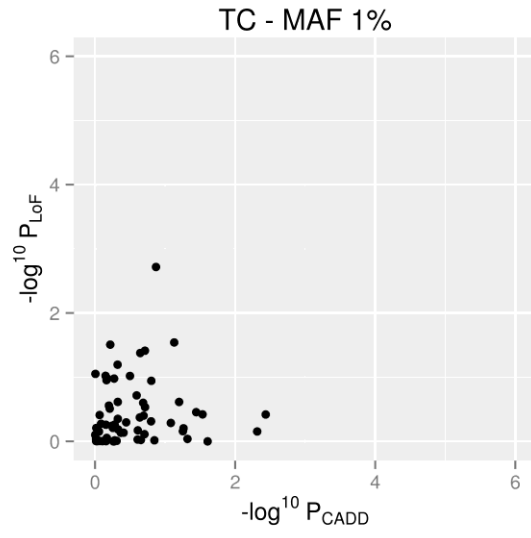
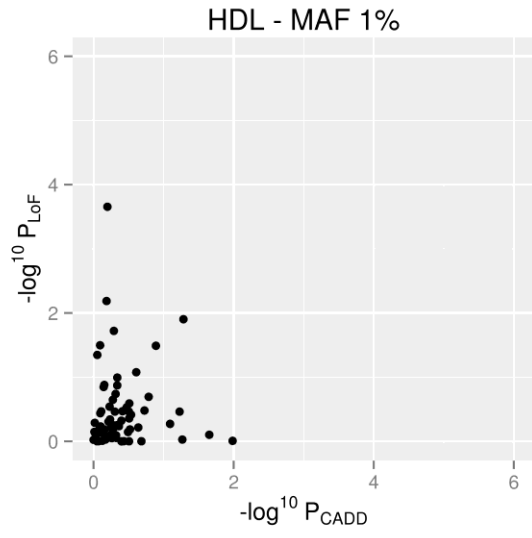
S11 Figure: Gene-based low frequency variant analyses across the genome using MiST for 7 cardiovascular traits (compared with loss-of-function filtering)





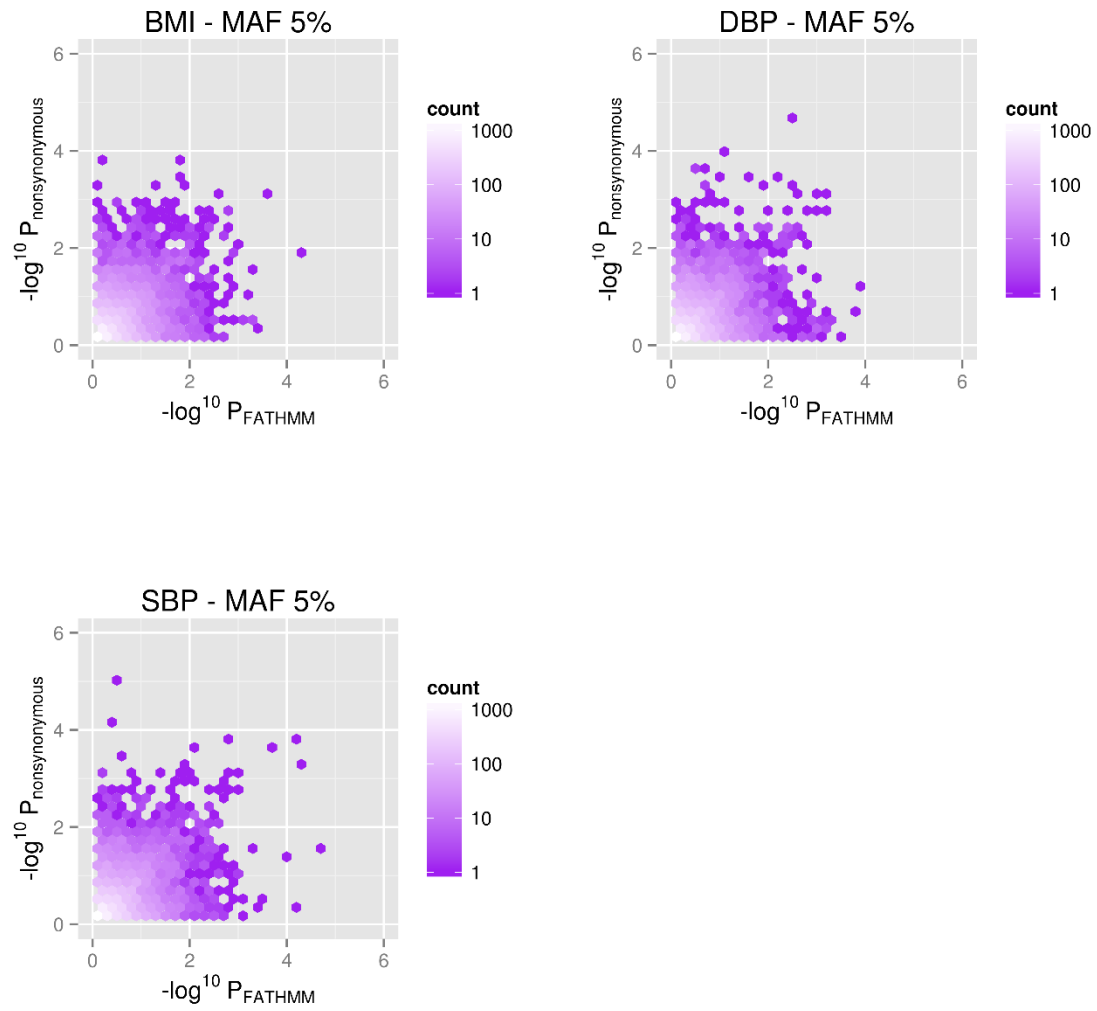
S12 Figure: Gene-based rare variant analyses across the genome using MiST for 7 cardiovascular traits (compared with loss-of-function filtering)

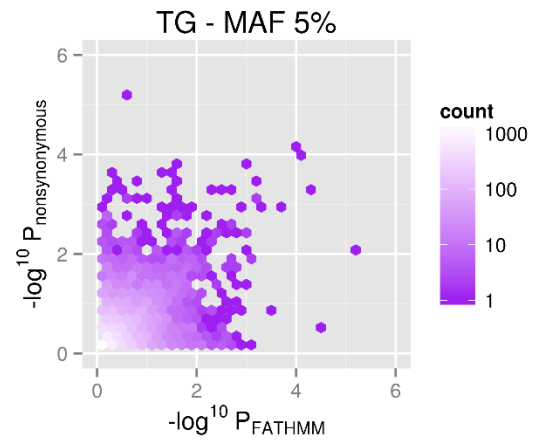
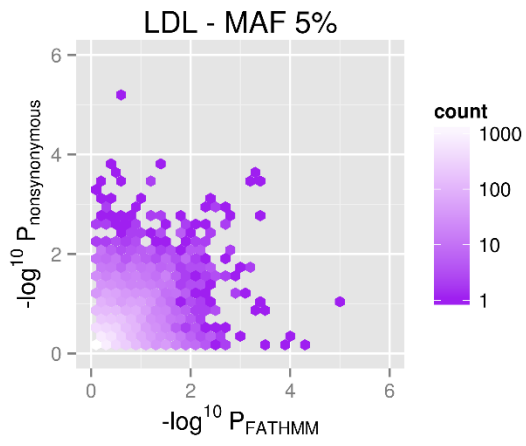
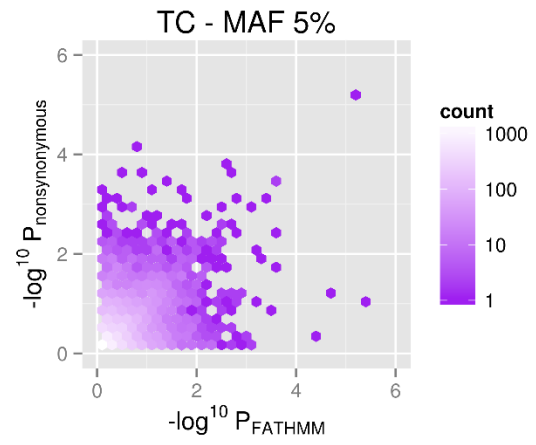
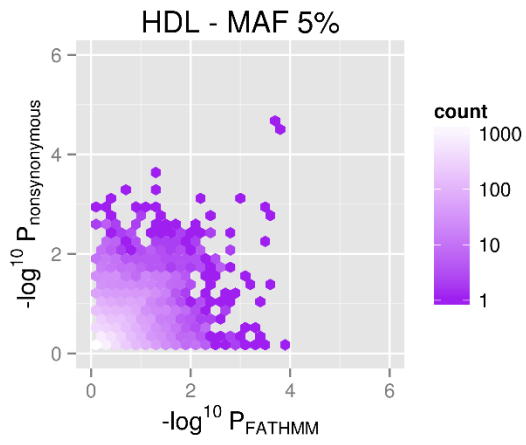




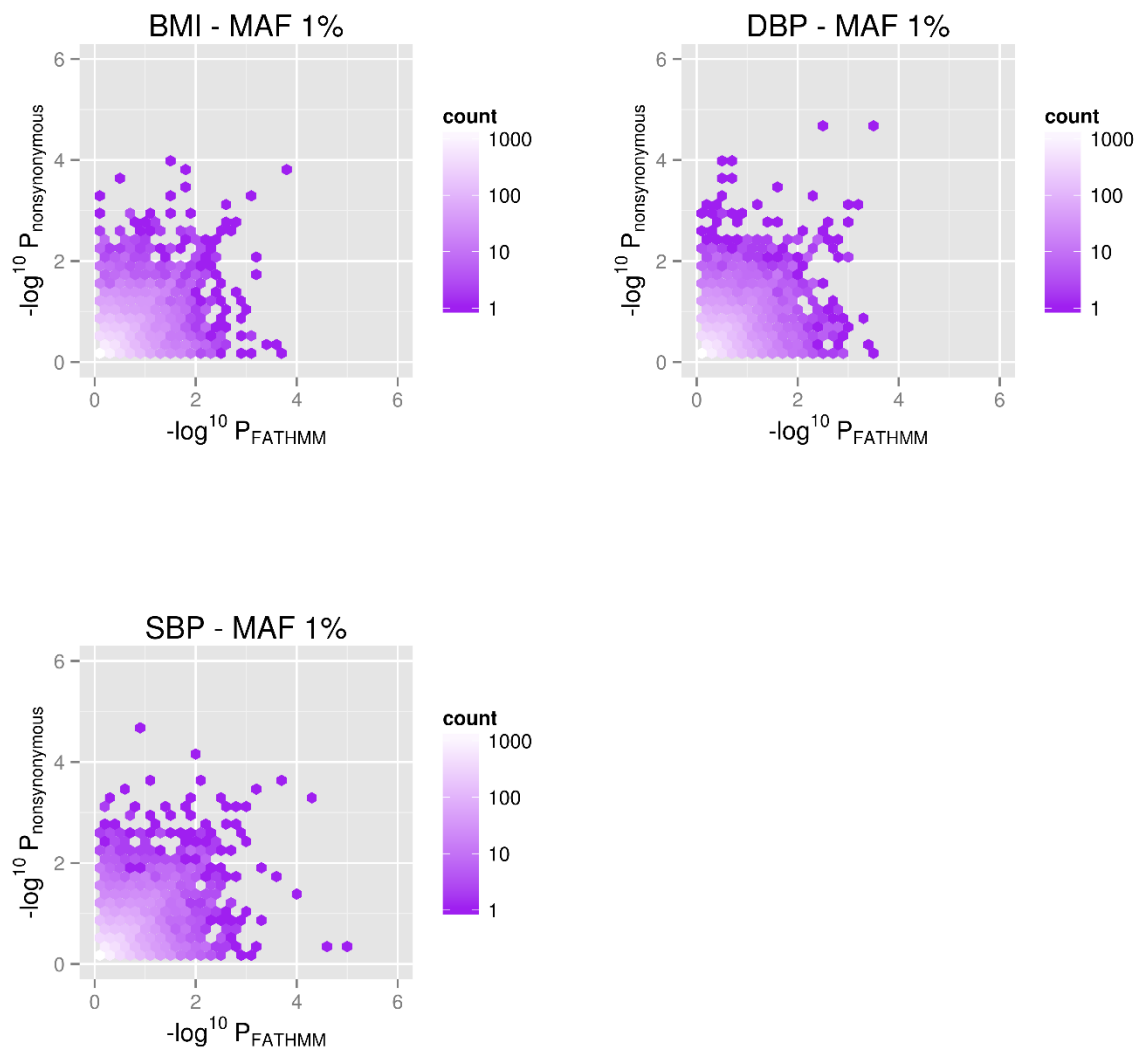
FATHMM-MKL tests

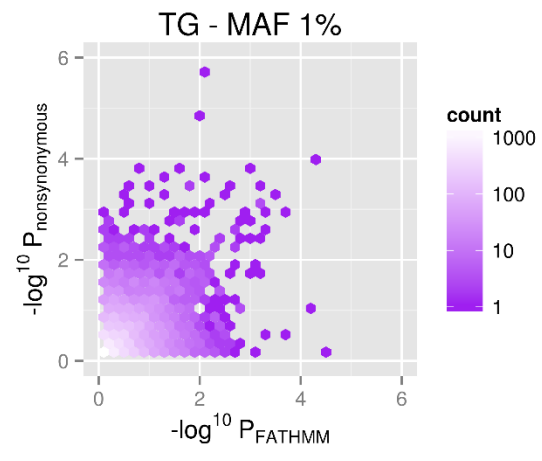
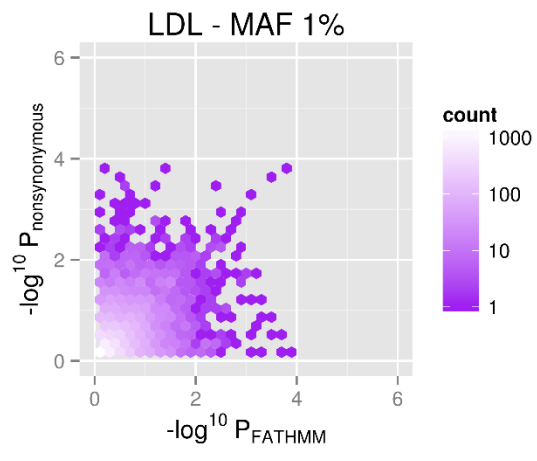
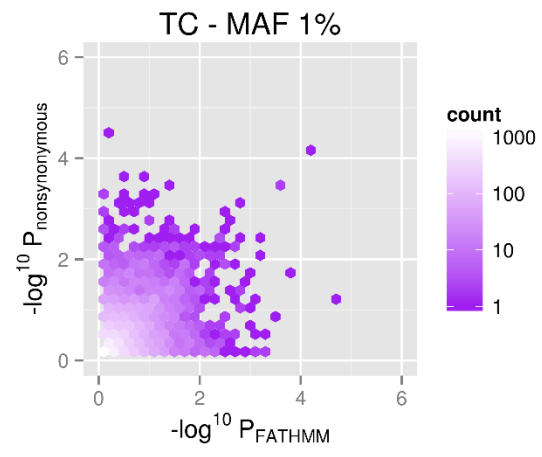
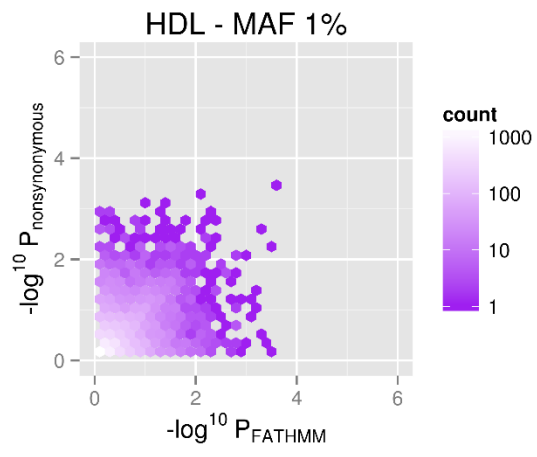
S13 Figure: Gene-based low frequency variant analyses across the genome using SKAT-O for 7 cardiovascular traits (compared with nonsynonymous filtering)



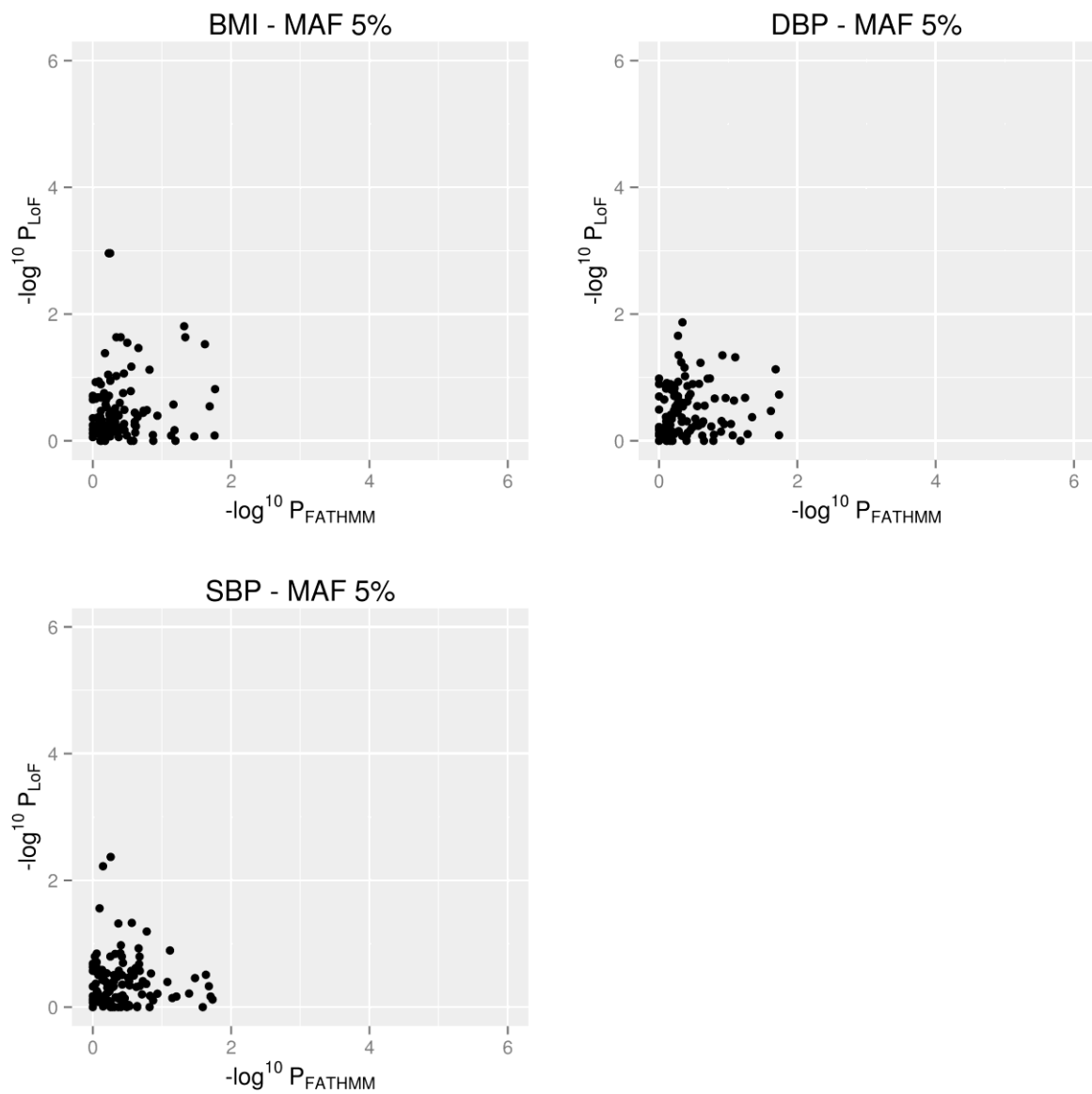


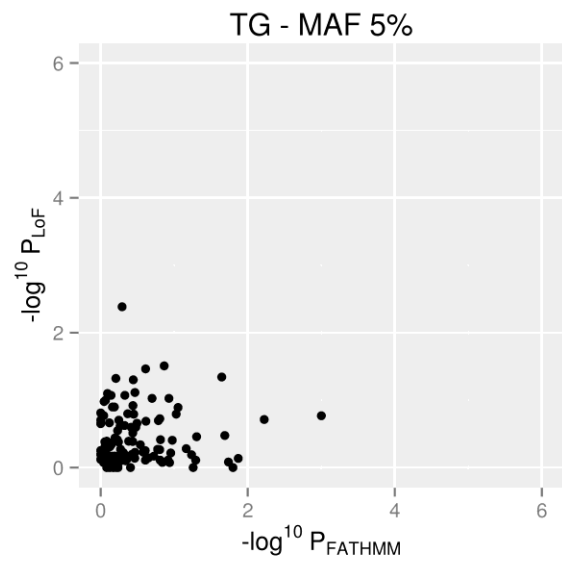
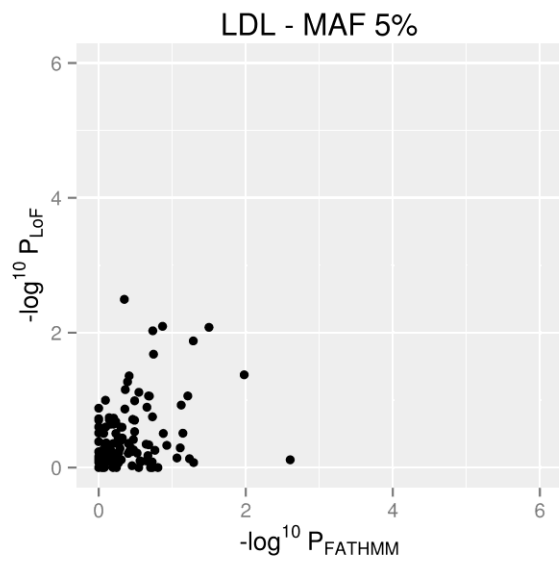
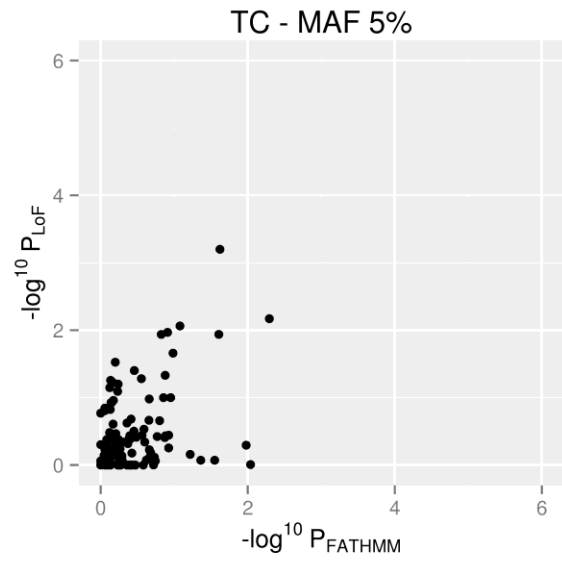
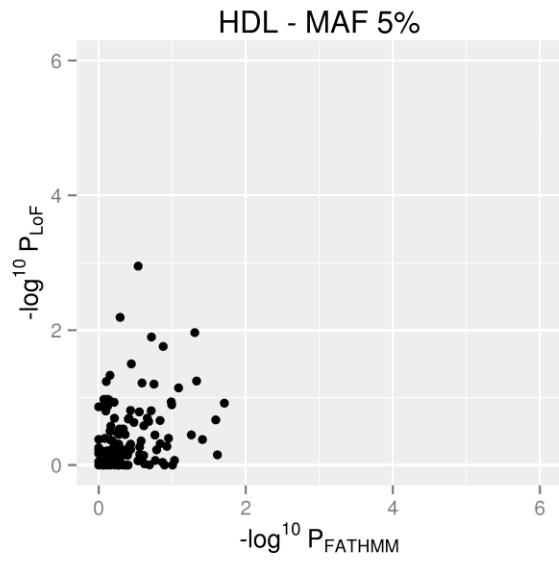
S14 Figure: Gene-based rare variant analyses across the genome using SKAT-O for 7 cardiovascular traits (compared with nonsynonymous filtering)



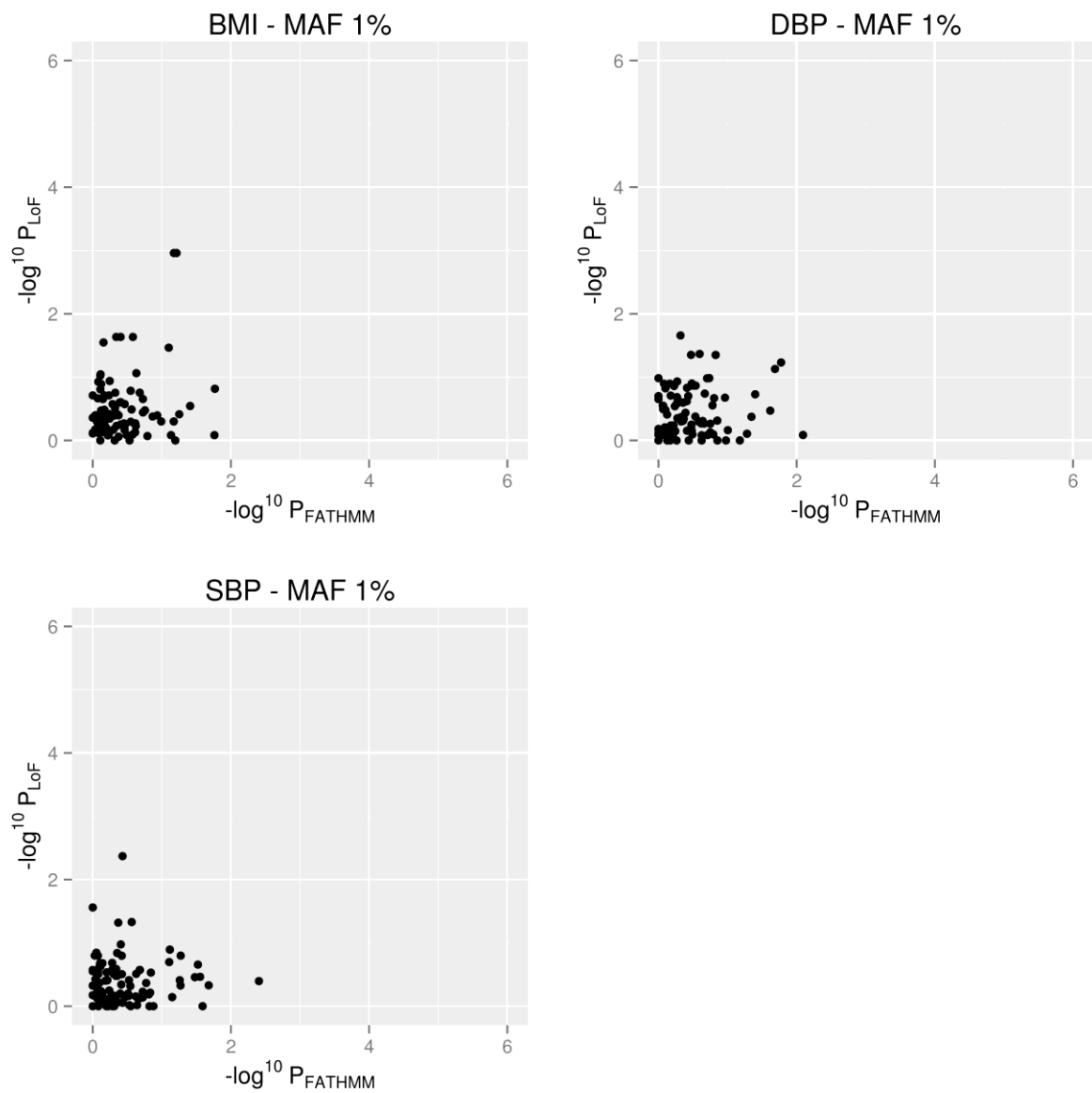


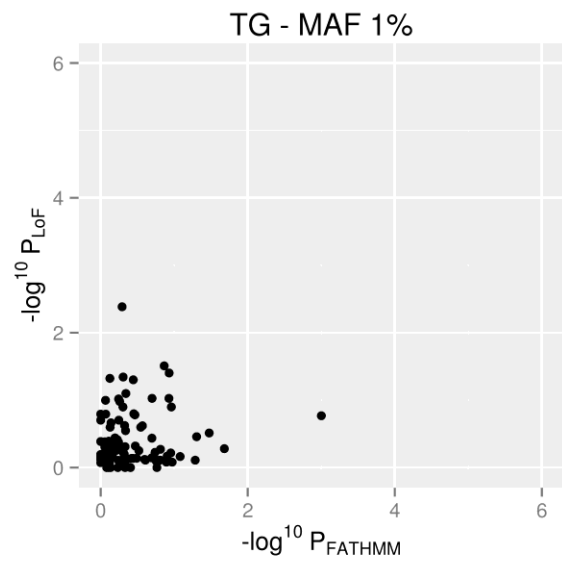
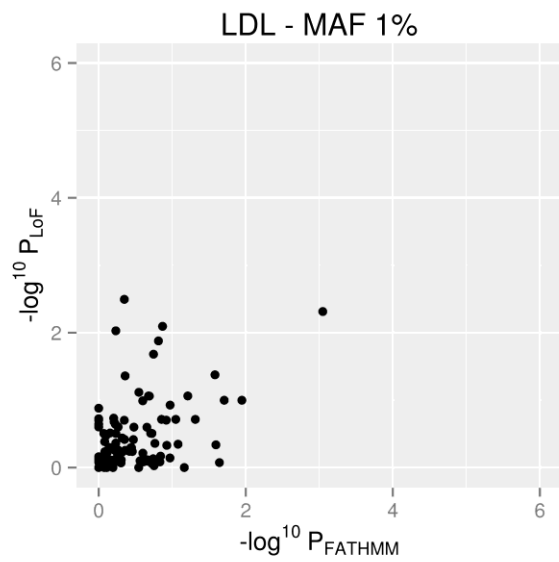
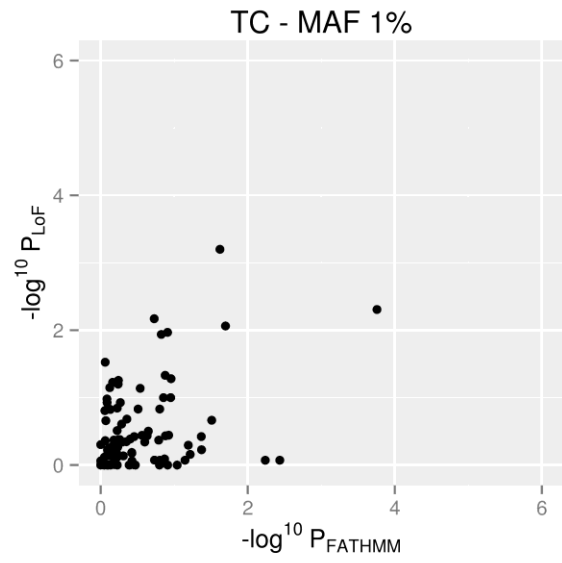
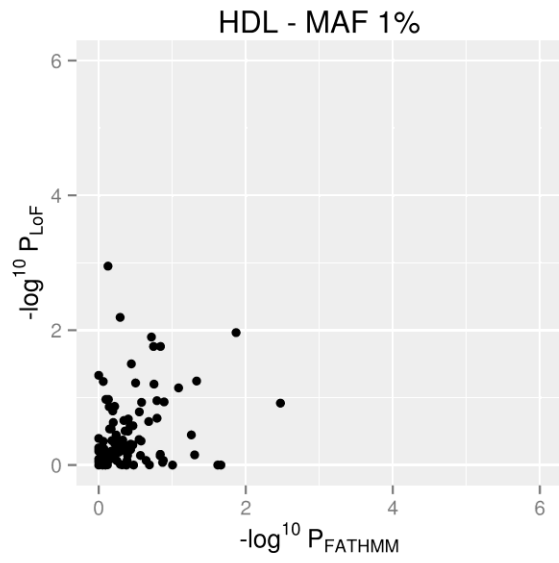
S15 Figure: Gene-based low frequency variant analyses across the genome using SKAT-O for 7 cardiovascular traits (compared with loss-of-function filtering)



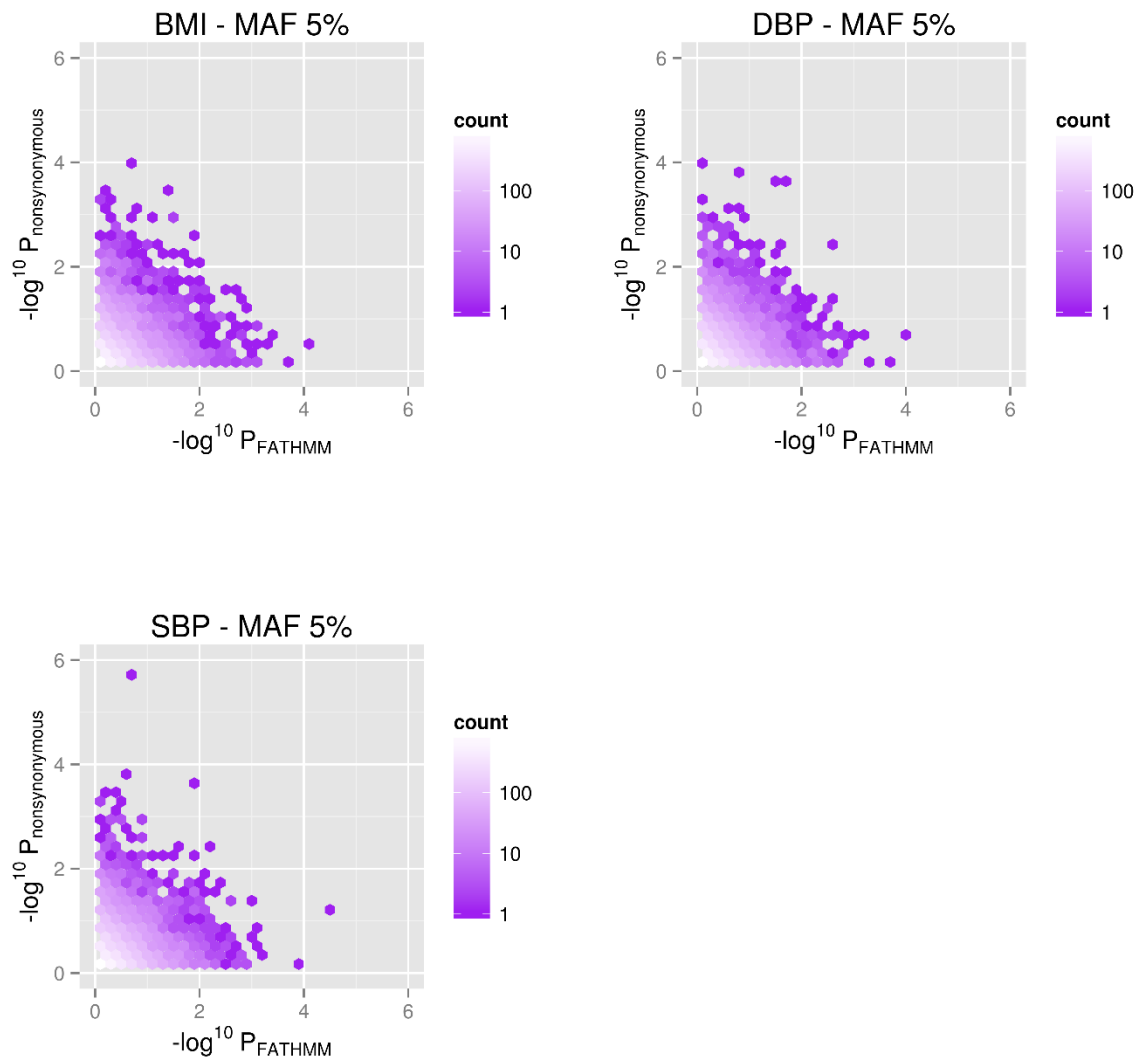


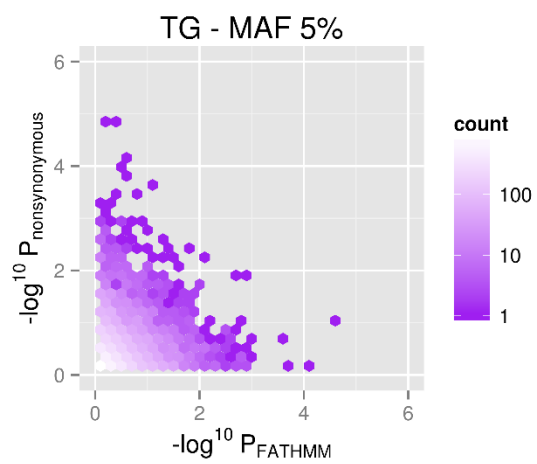
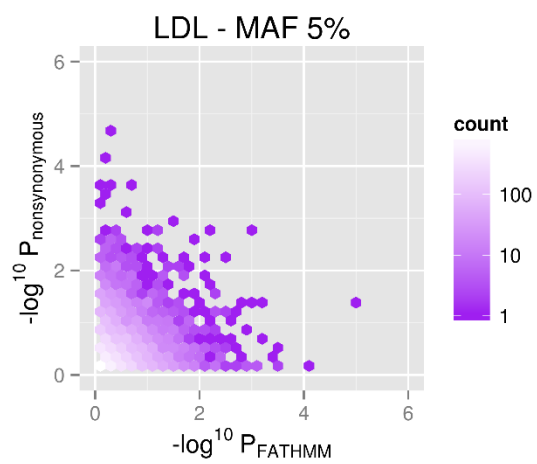
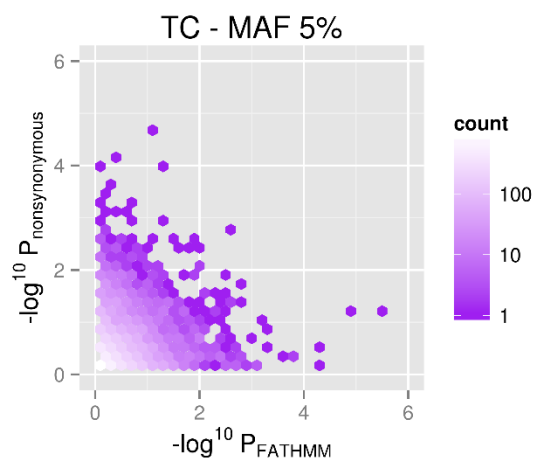
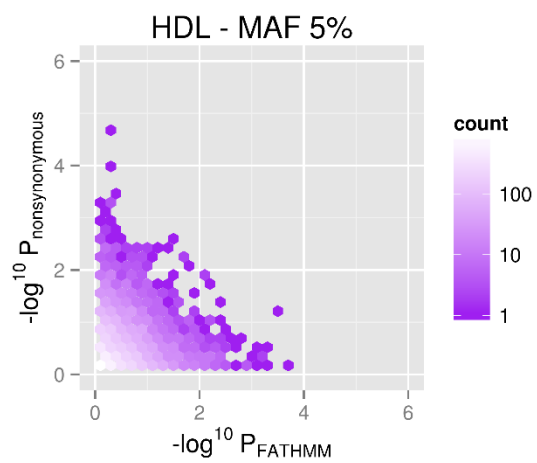
S16 Figure: Gene-based rare variant analyses across the genome using SKAT-O for 7 cardiovascular traits (compared with loss-of-function filtering)



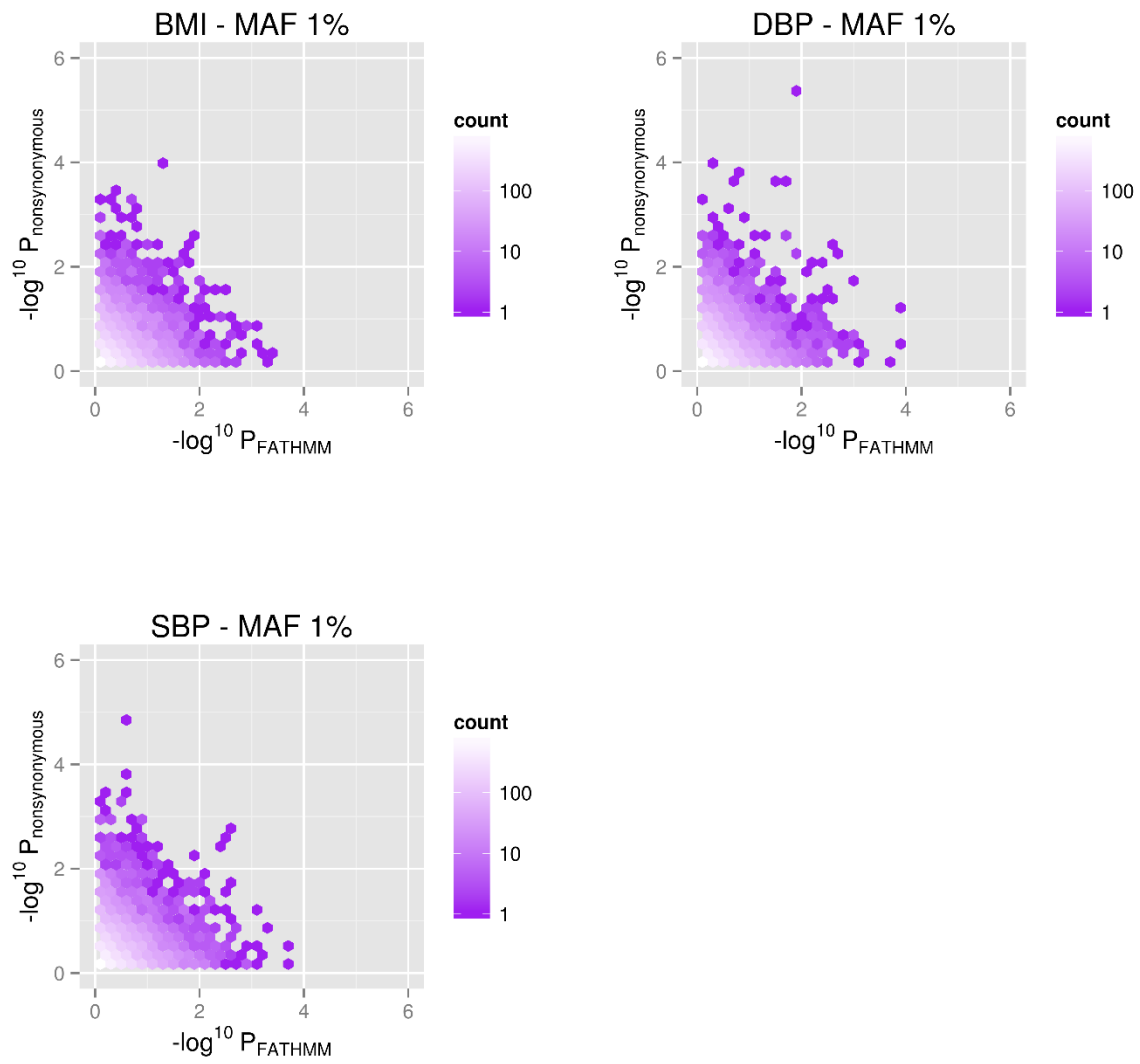


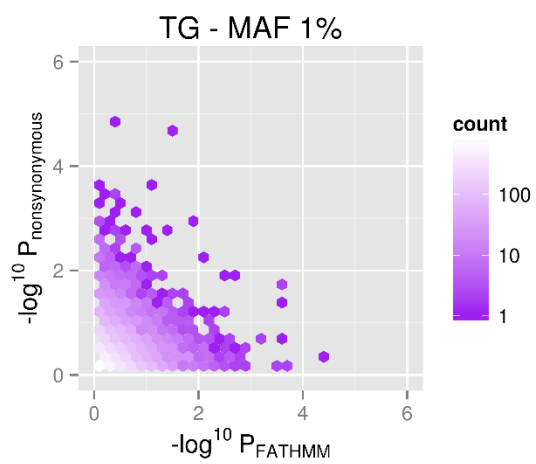
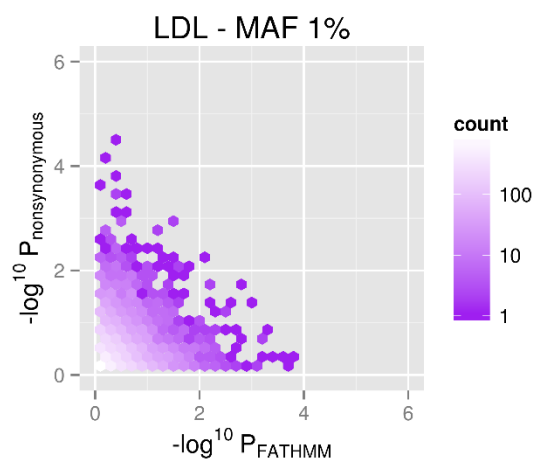
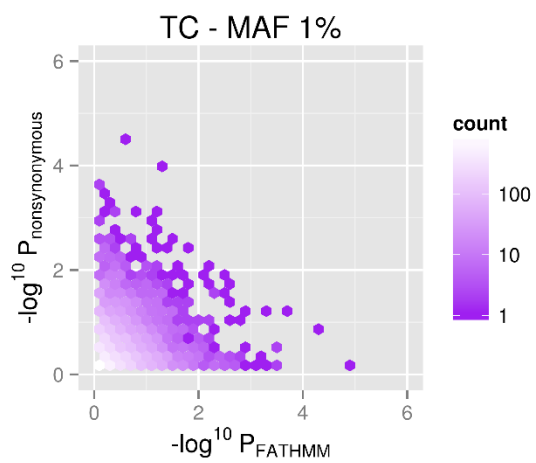
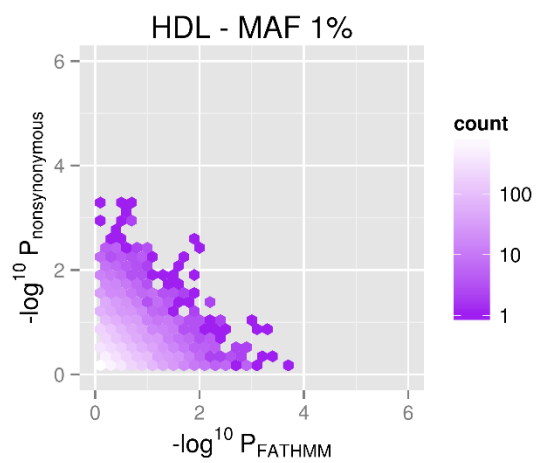
S17 Figure: Gene-based low frequency variant analyses across the genome using MiST for 7 cardiovascular traits (compared with nonsynonymous filtering)



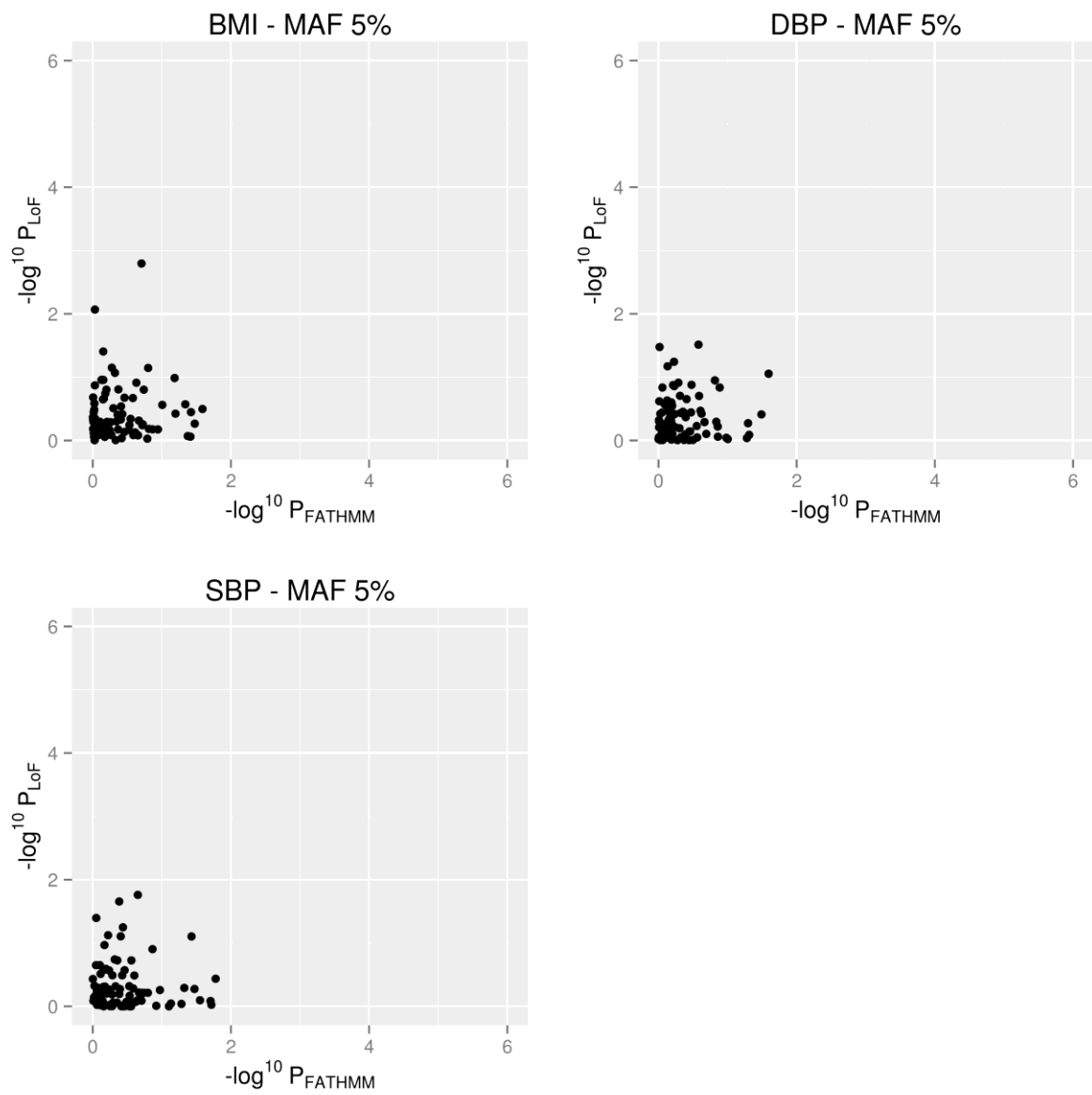


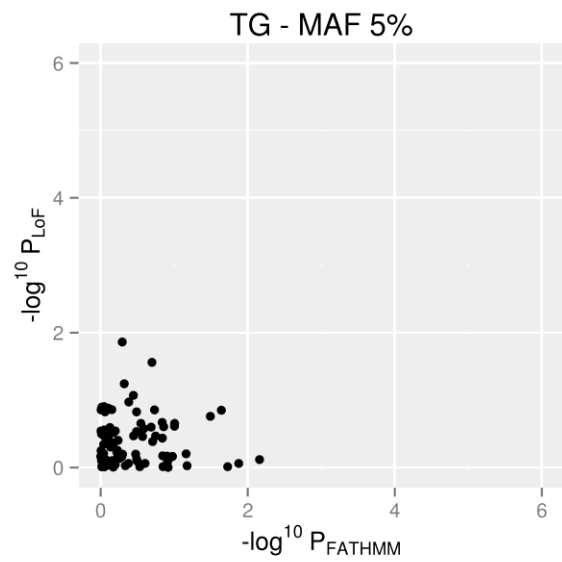
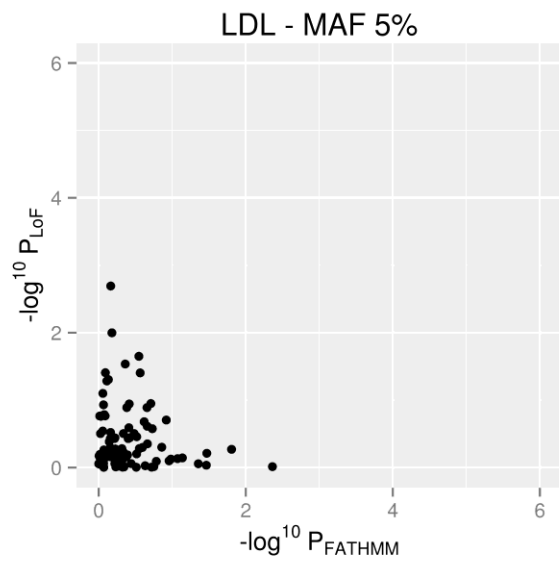
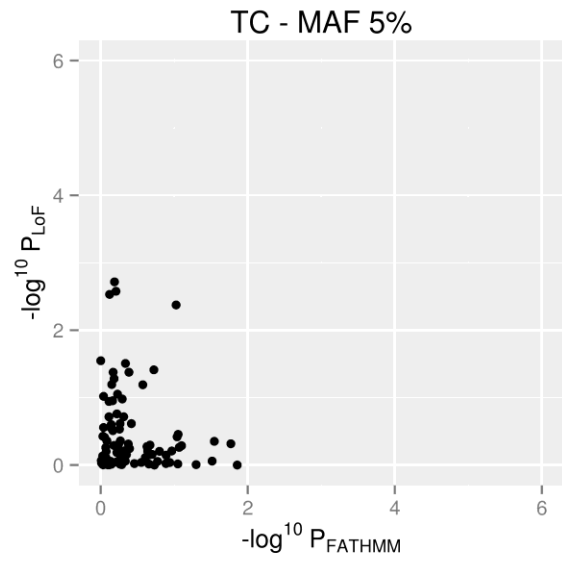
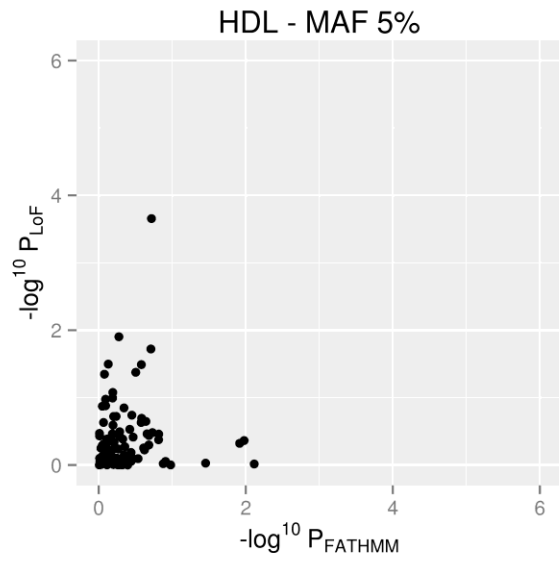
S18 Figure: Gene-based rare variant analyses across the genome using MiST for 7 cardiovascular traits (compared with nonsynonymous filtering)



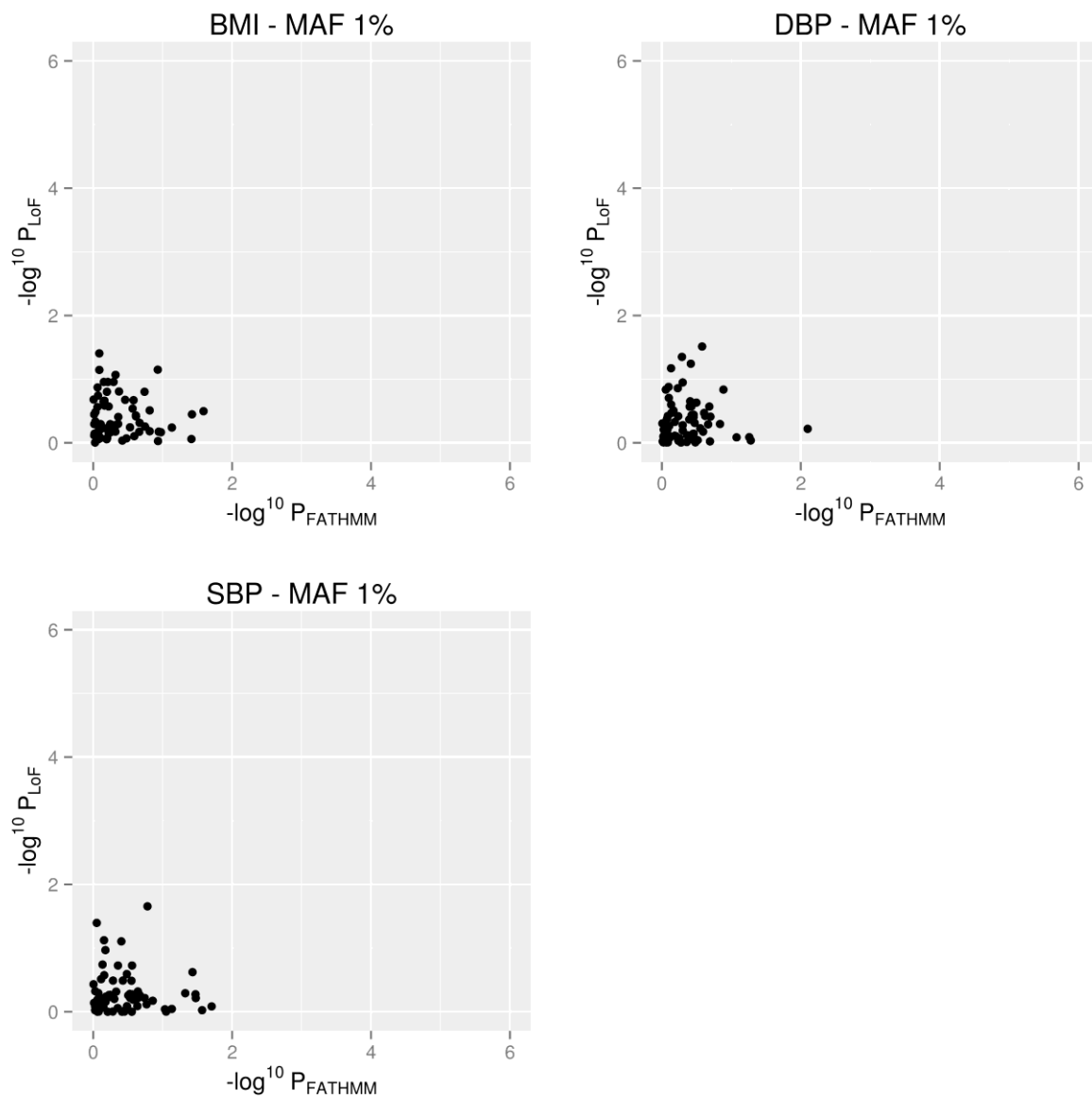


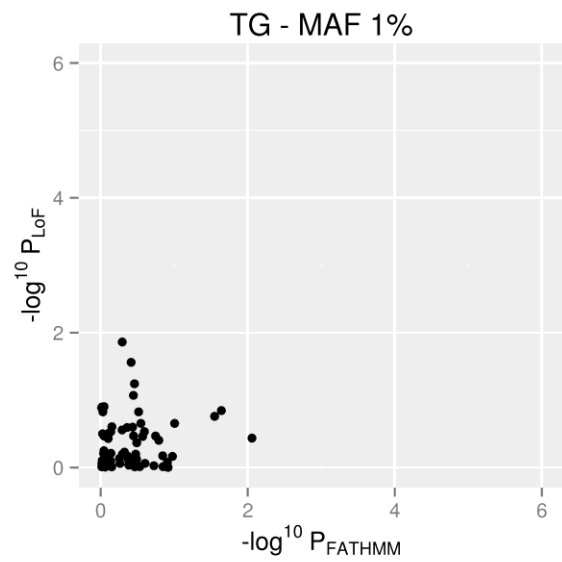
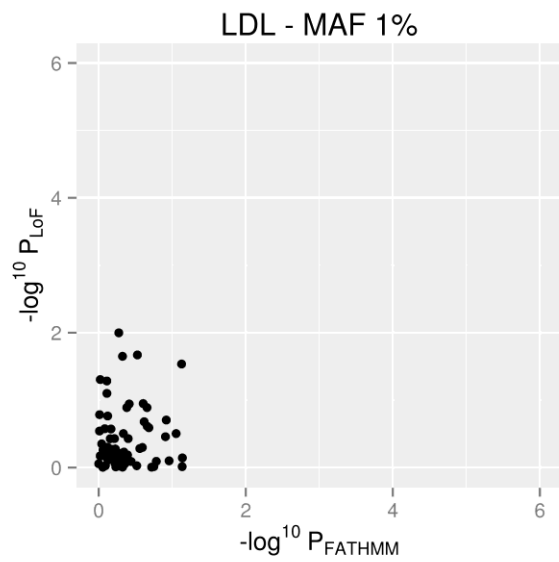
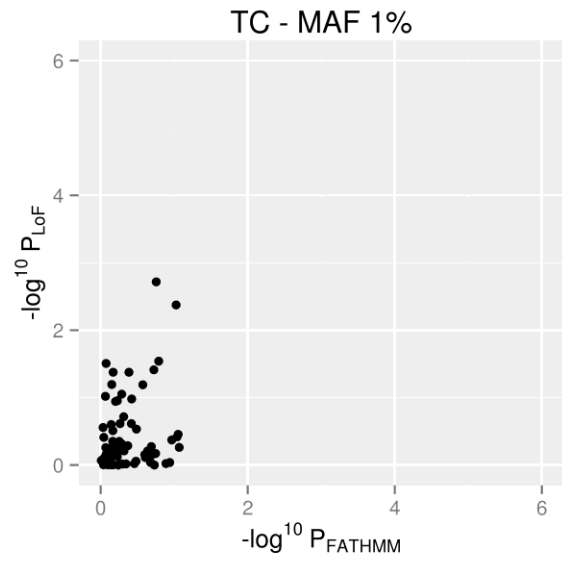
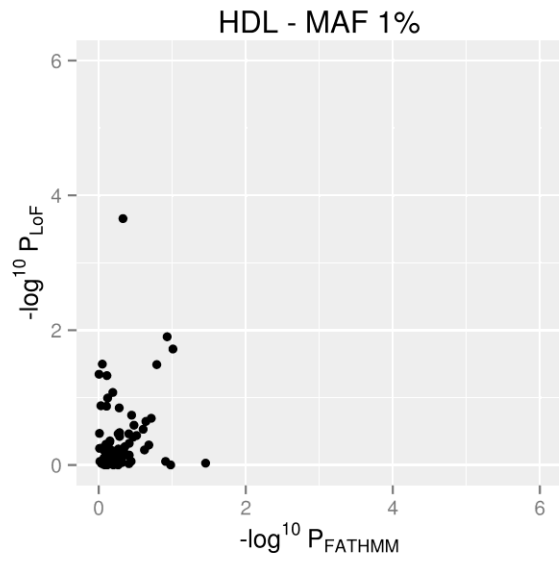
S19 Figure: Gene-based low frequency variant analyses across the genome using MiST for 7 cardiovascular traits (compared with loss-of-function filtering)





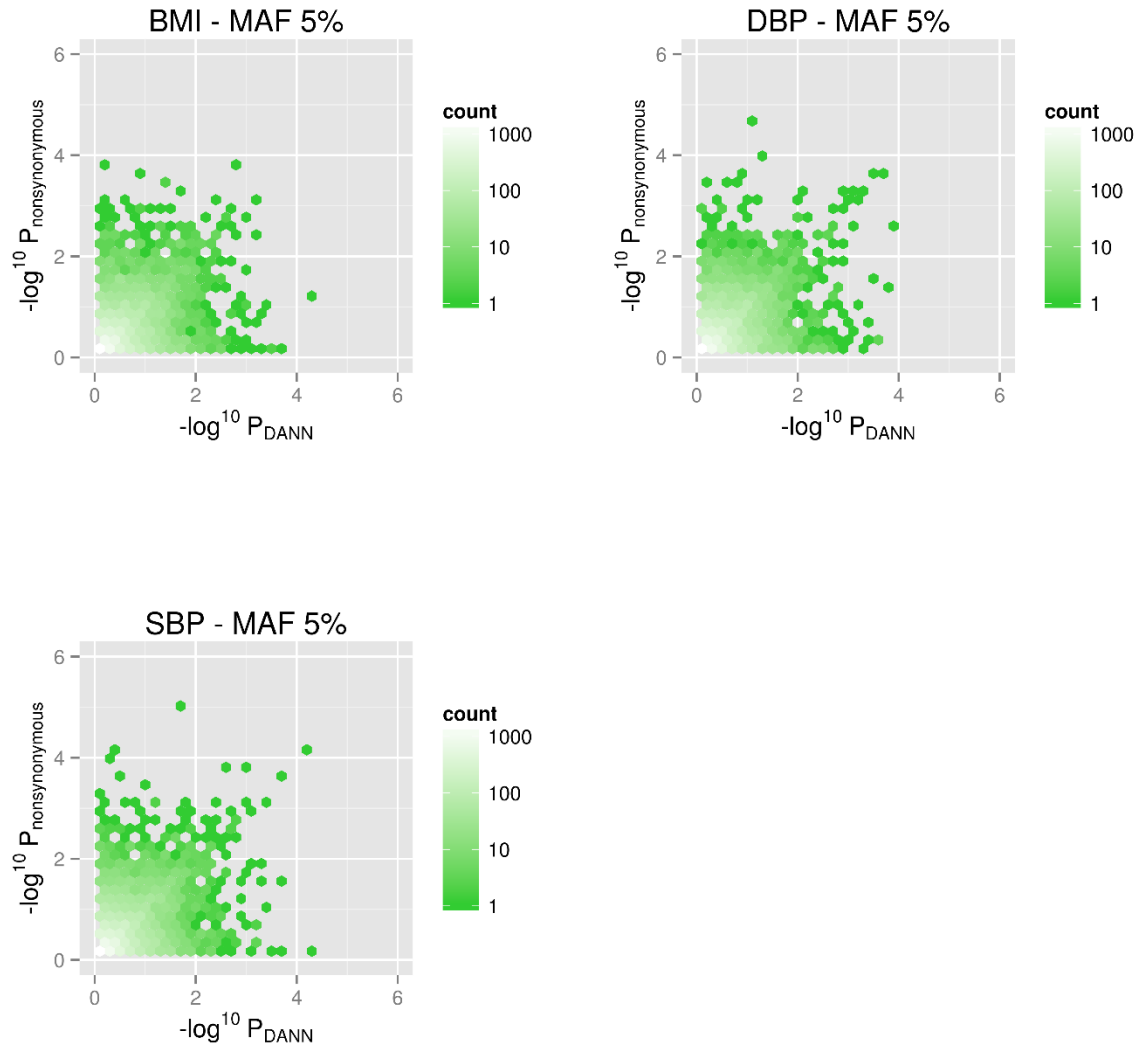
S20 Figure: Gene-based rare variant analyses across the genome using MiST for 7 cardiovascular traits (compared with loss-of-function filtering)

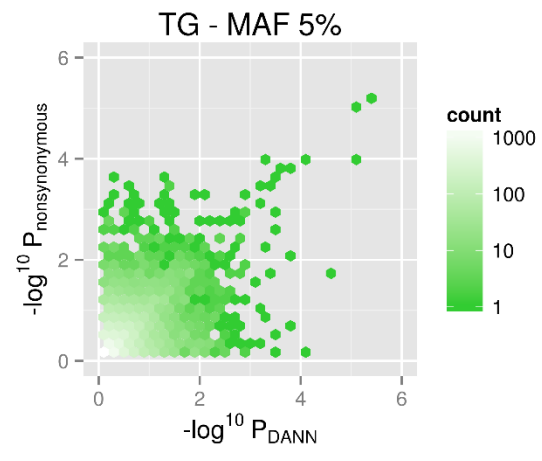
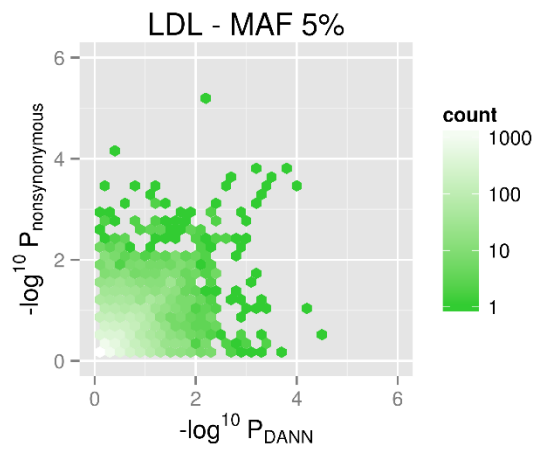
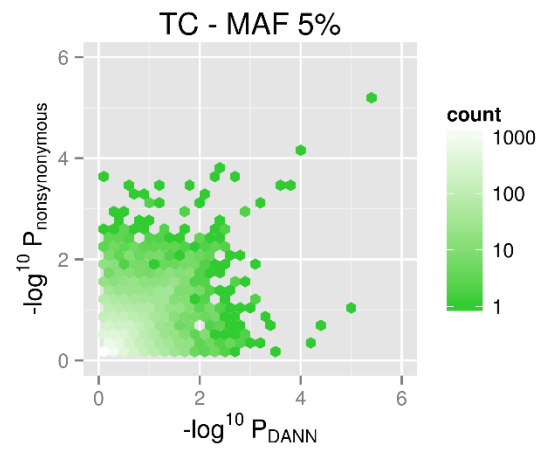
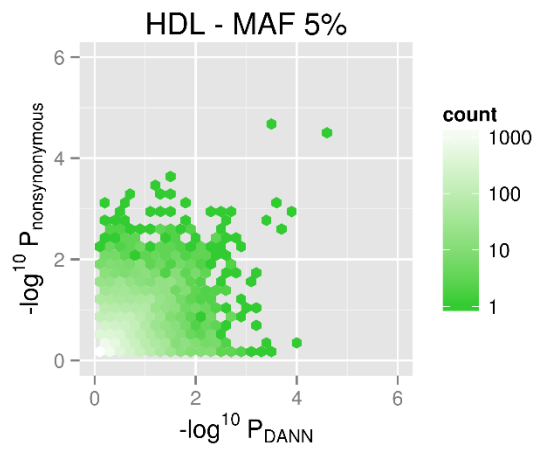




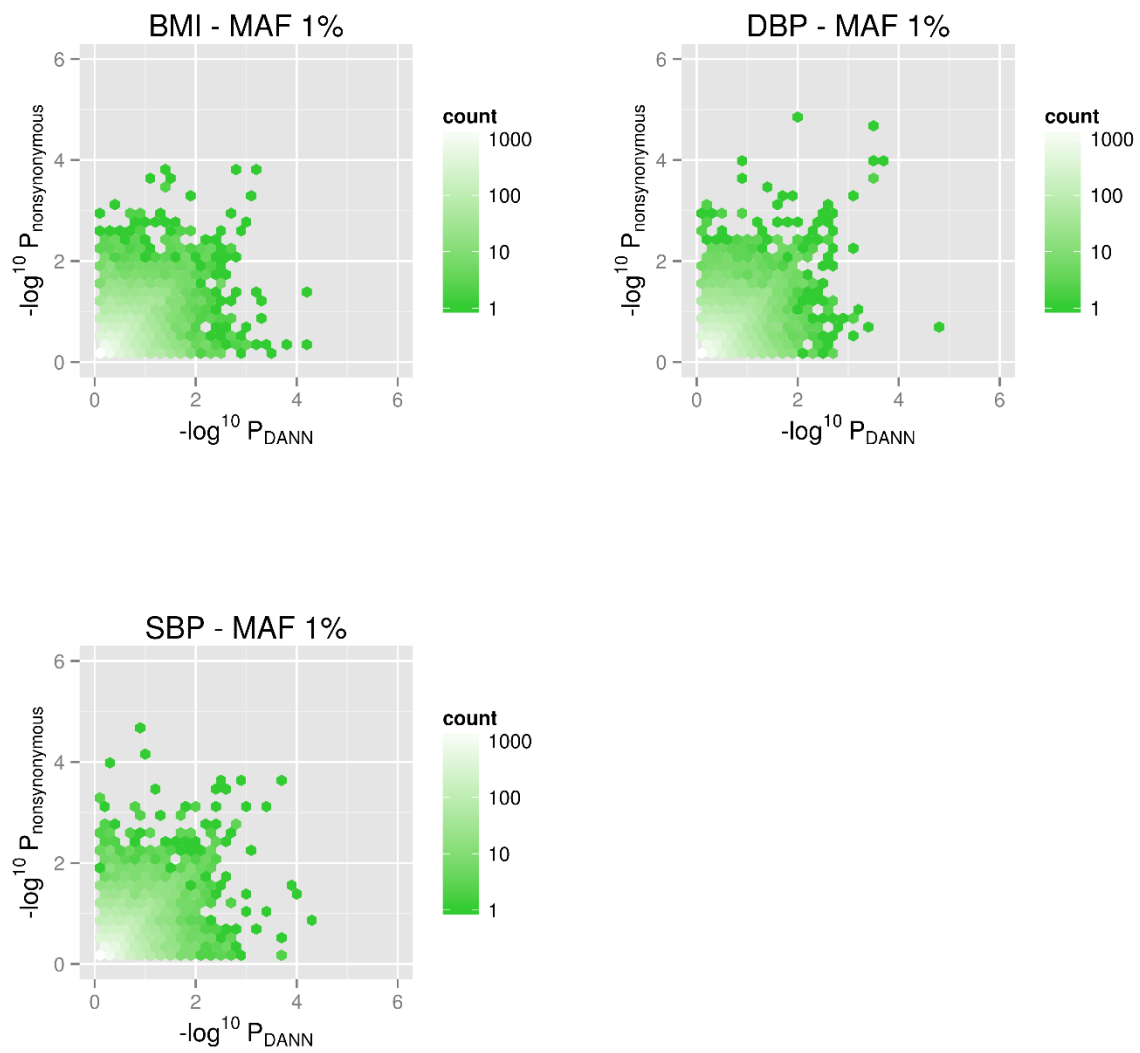
DANN tests

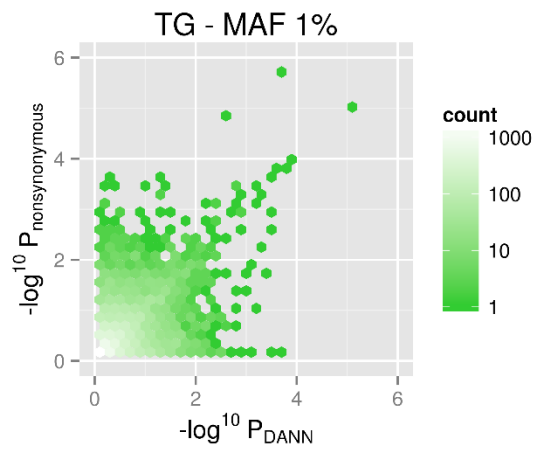
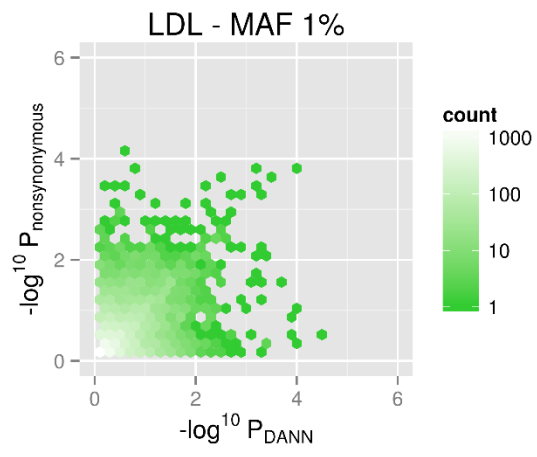
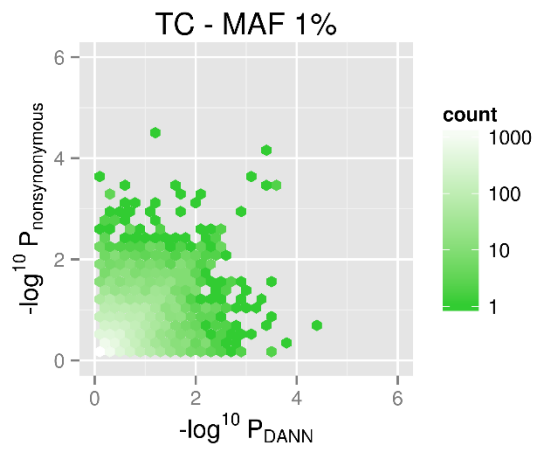
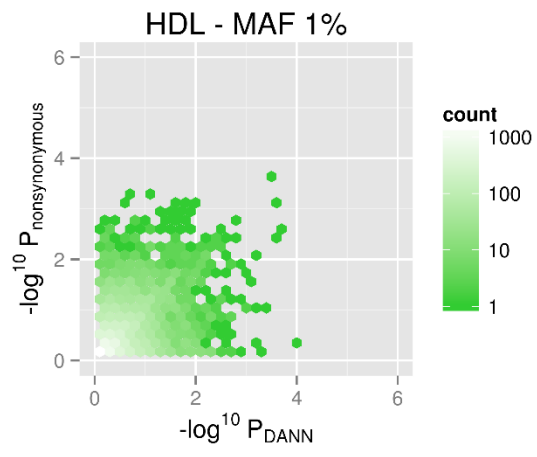
S21 Figure: Gene-based low frequency variant analyses across the genome using SKAT-O for 7 cardiovascular traits (compared with nonsynonymous filtering)



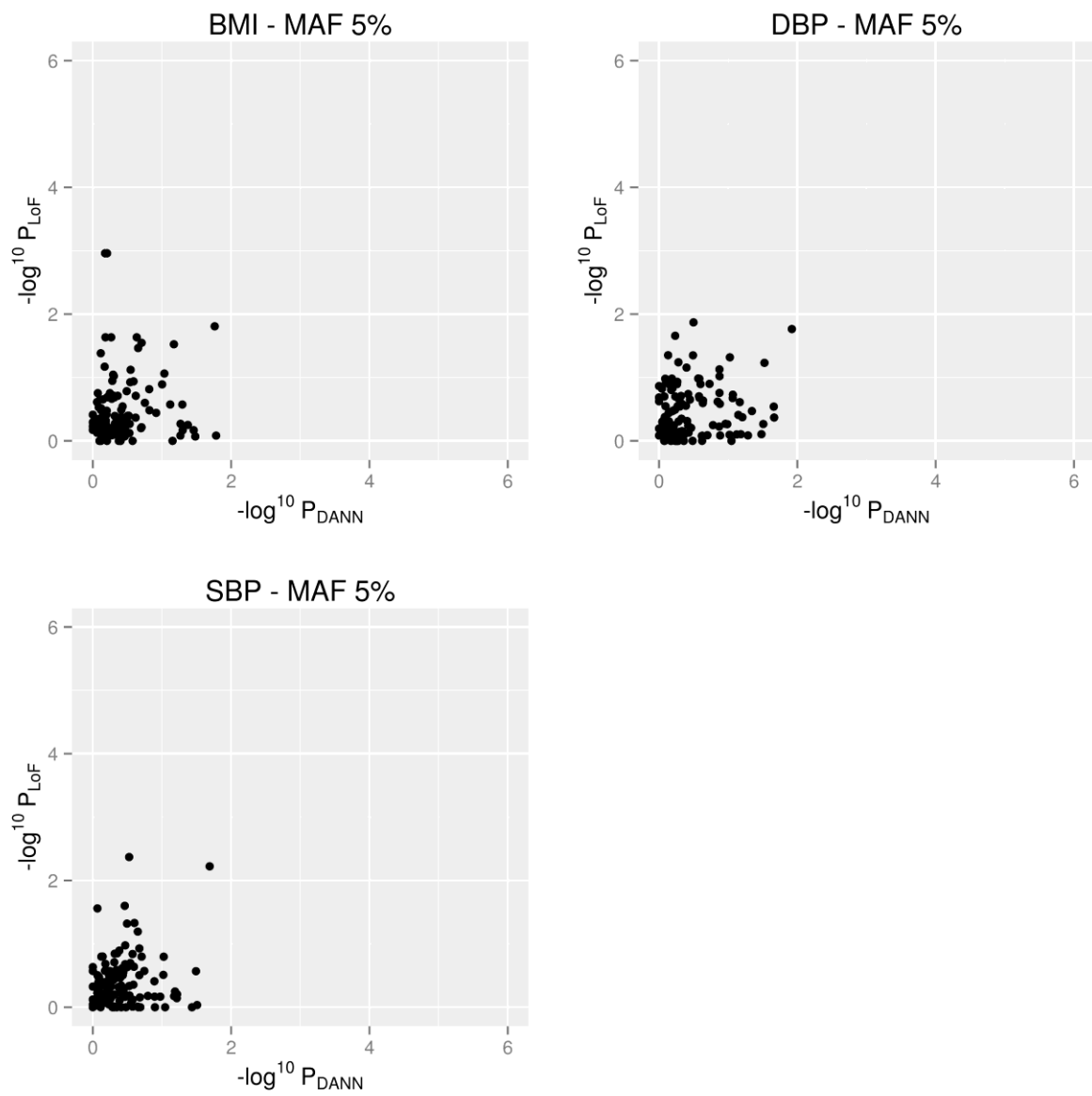


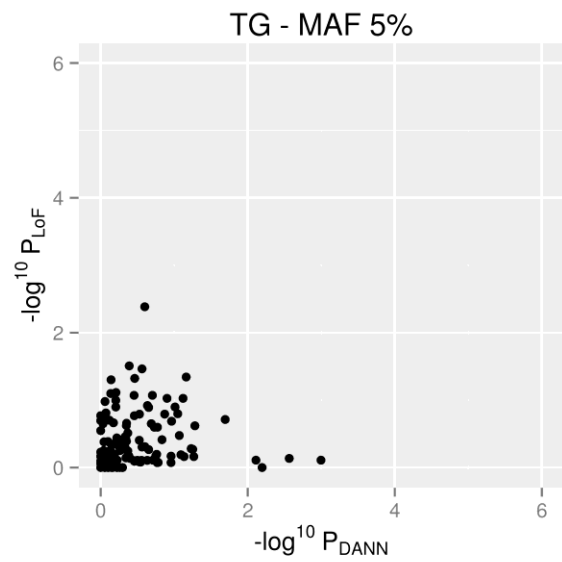
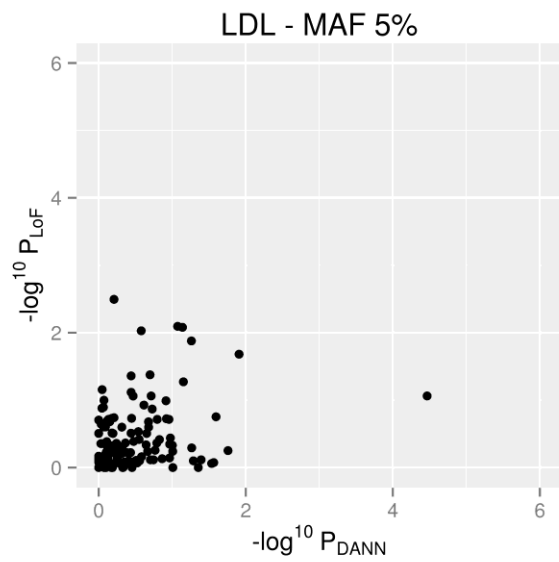
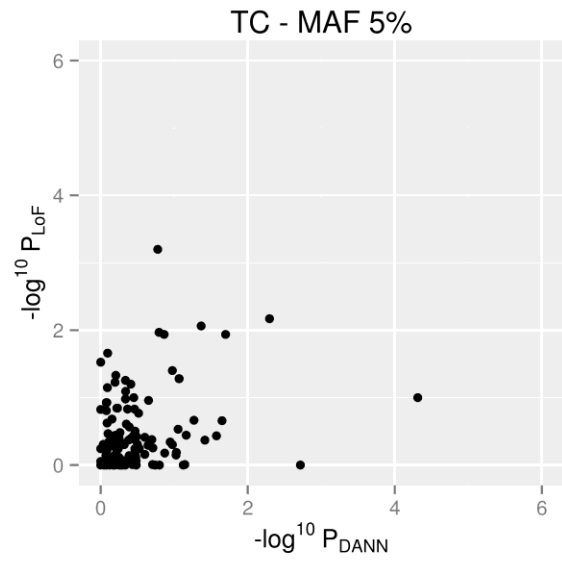
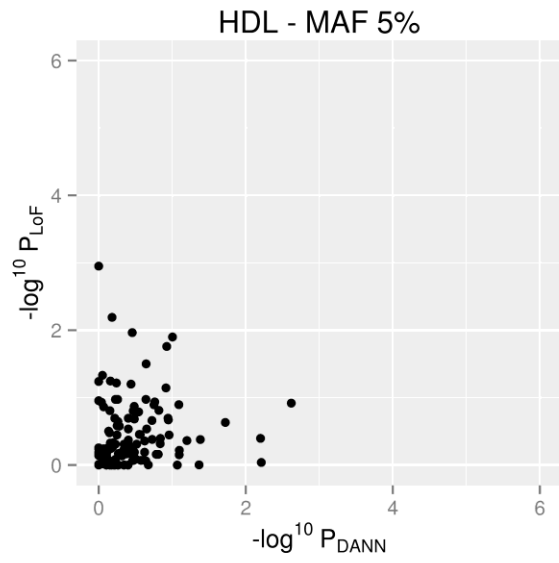
S22 Figure: Gene-based rare variant analyses across the genome using SKAT-O for 7 cardiovascular traits (compared with nonsynonymous filtering)



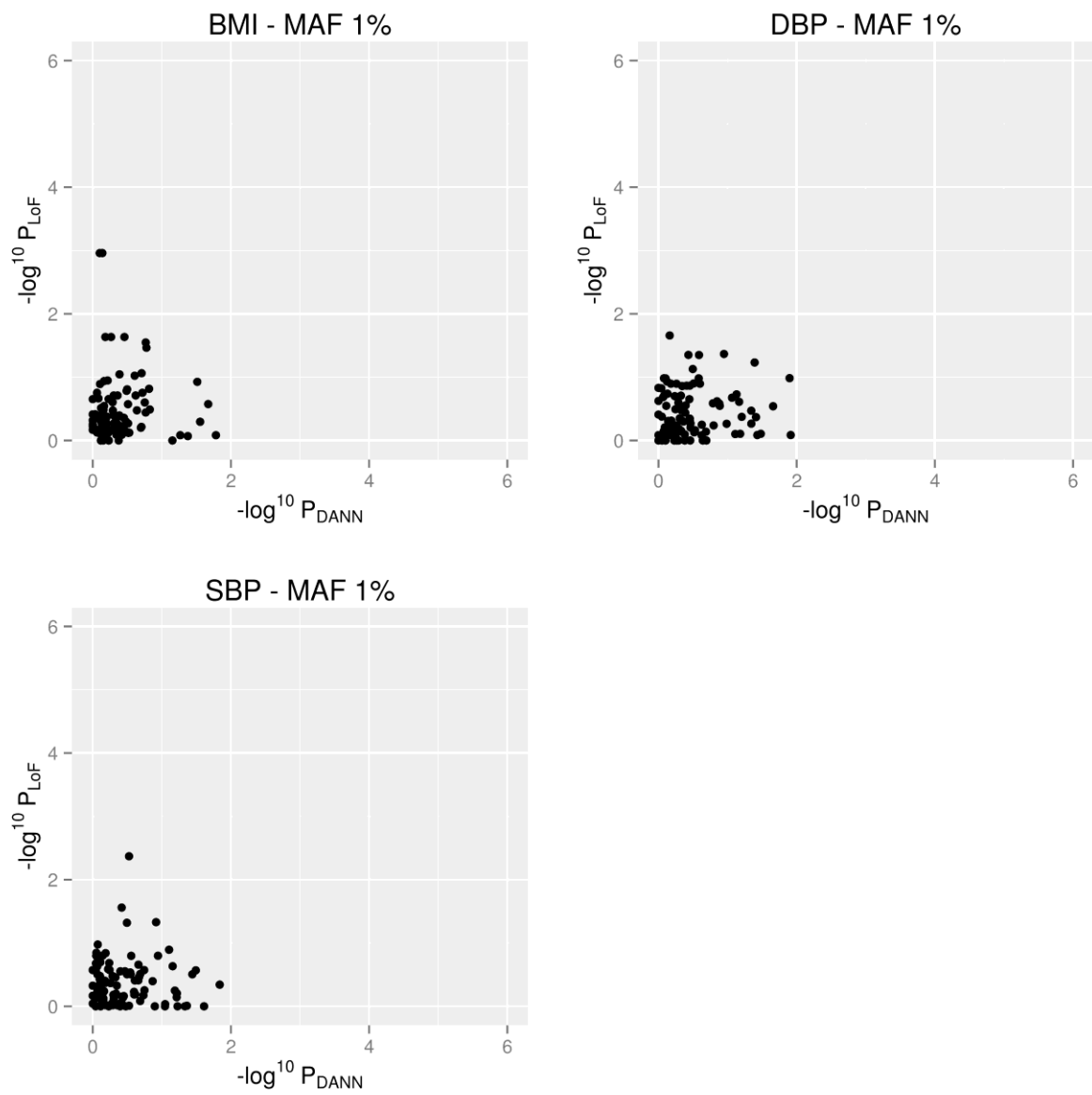


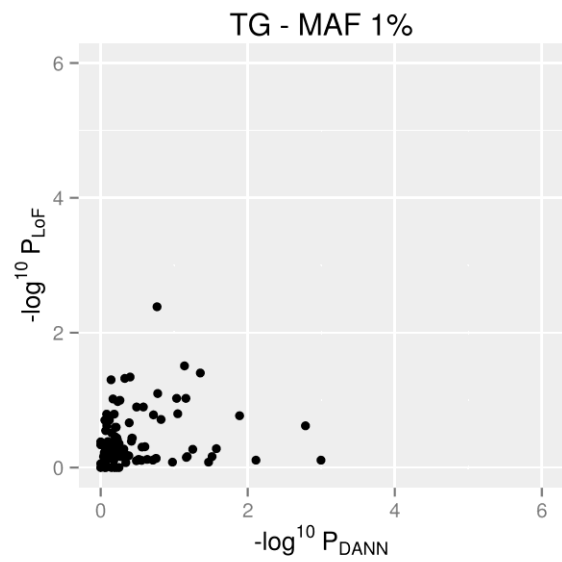
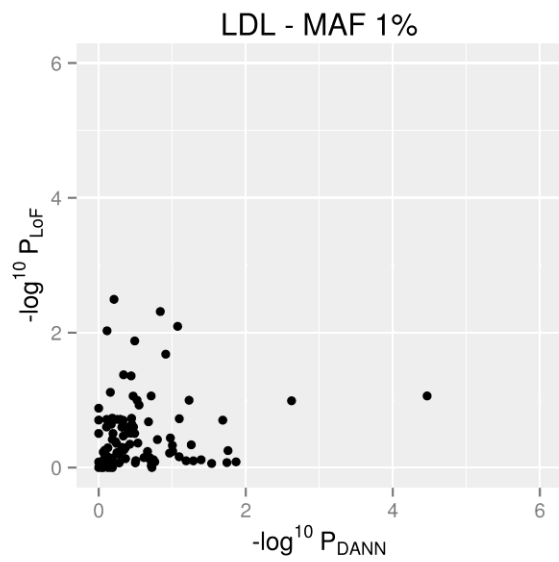
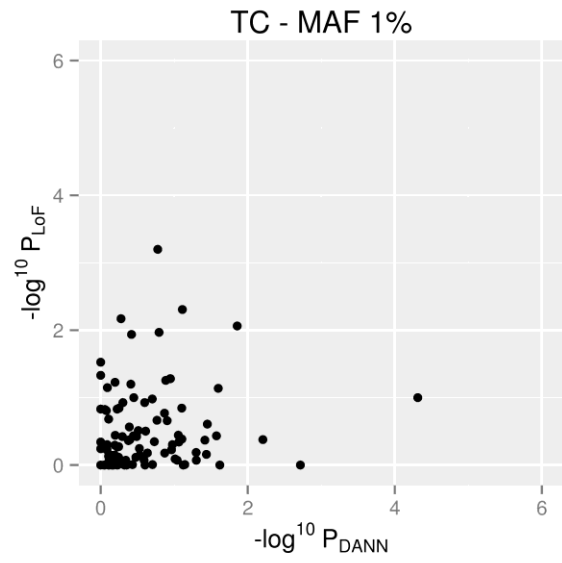
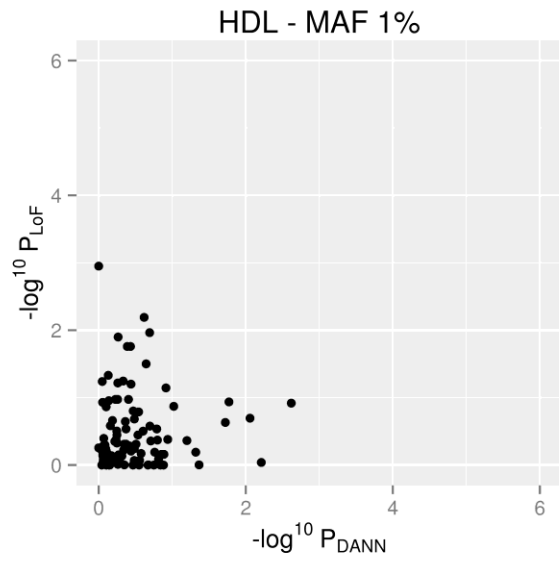
S23 Figure: Gene-based low frequency variant analyses across the genome using SKAT-O for 7 cardiovascular traits (compared with loss-of-function filtering)



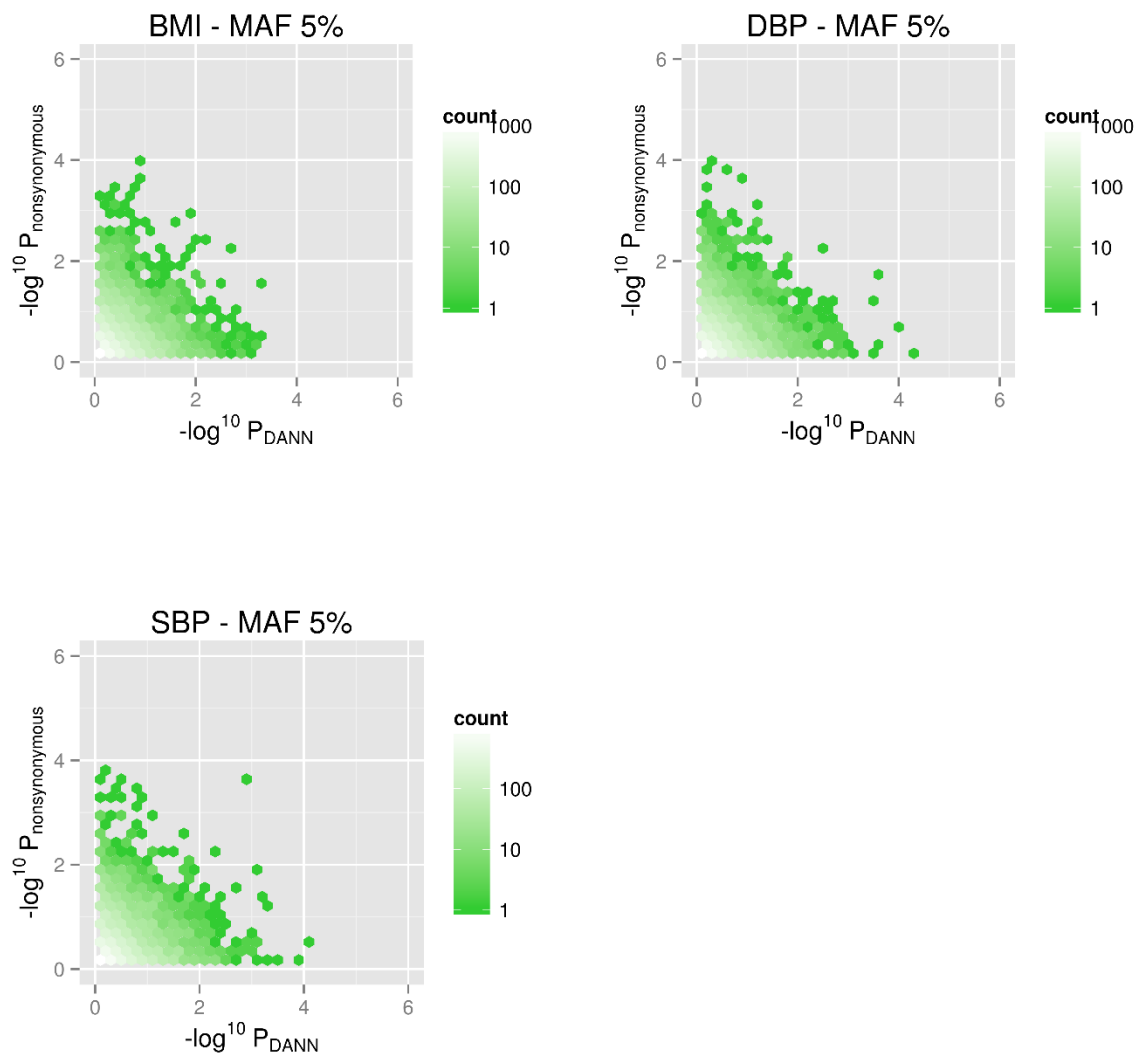


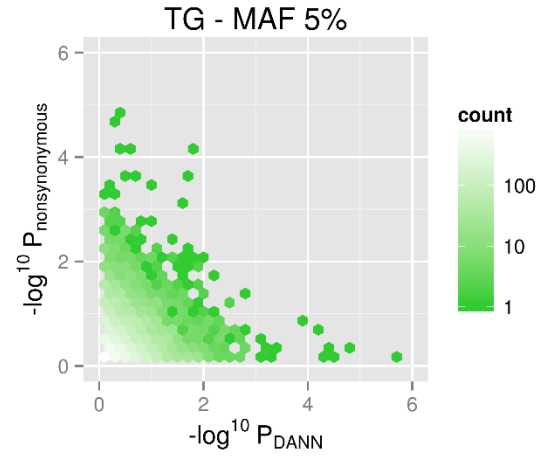
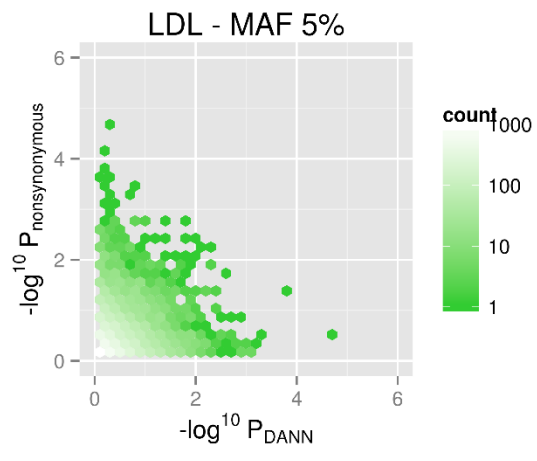
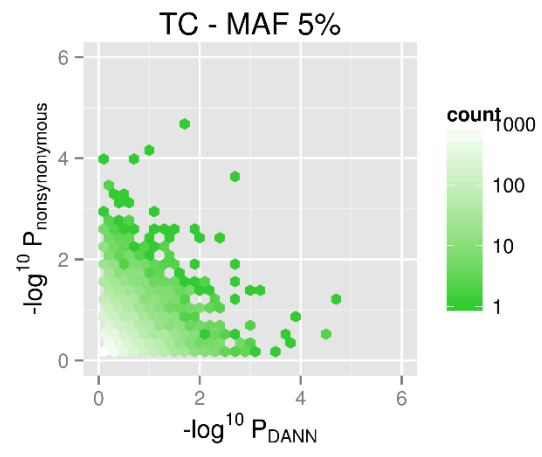
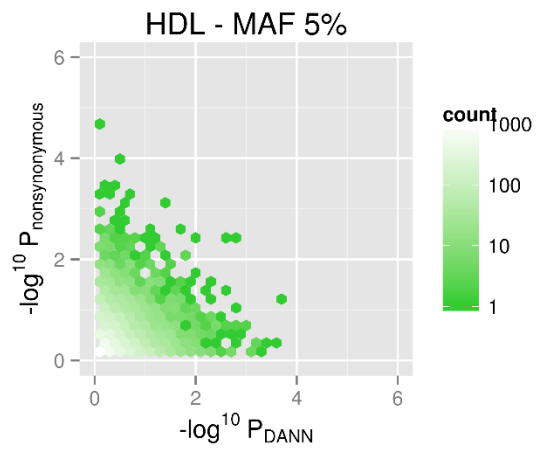
S24 Figure: Gene-based rare variant analyses across the genome using SKAT-O for 7 cardiovascular traits (compared with loss-of-function filtering)



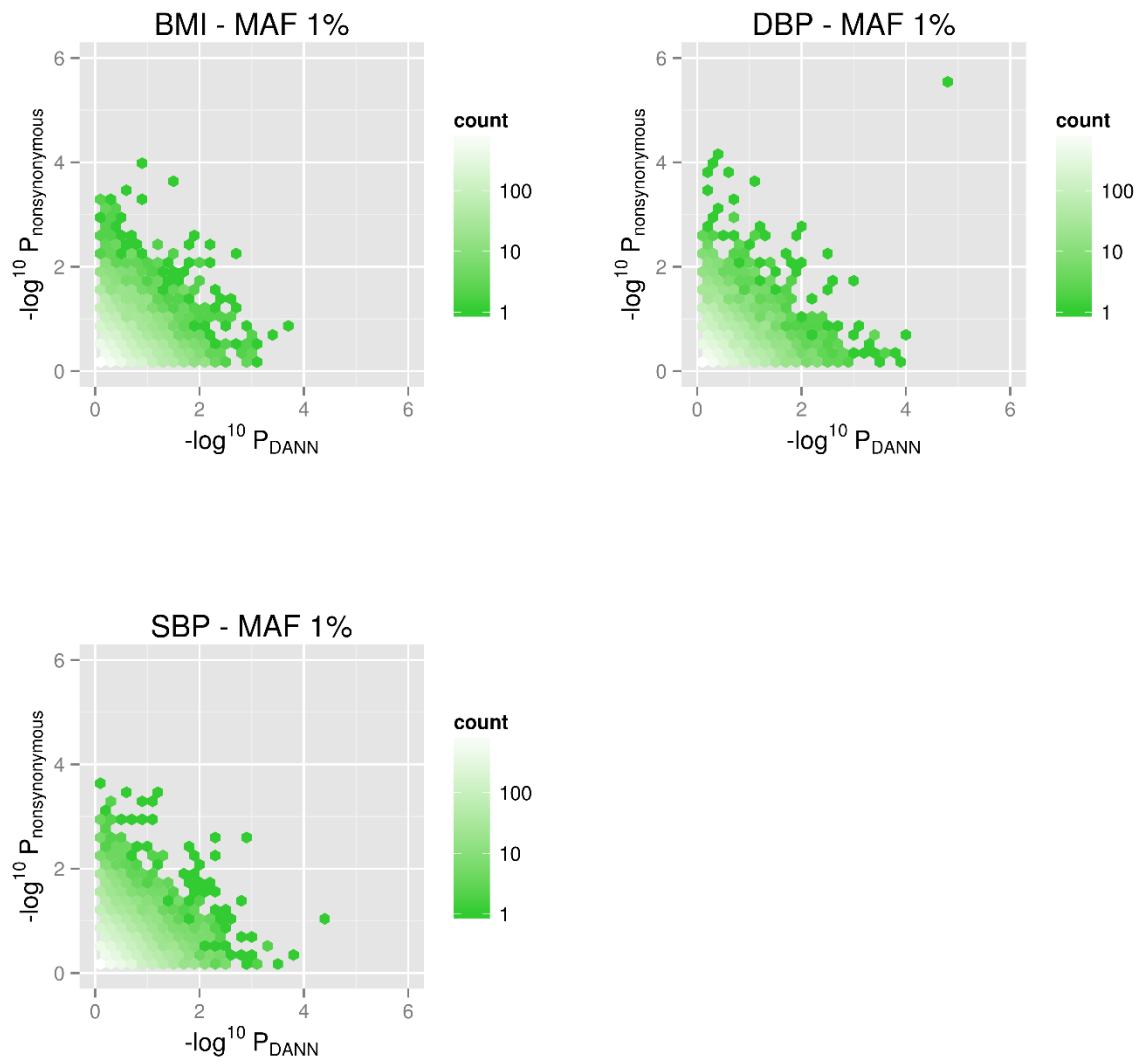


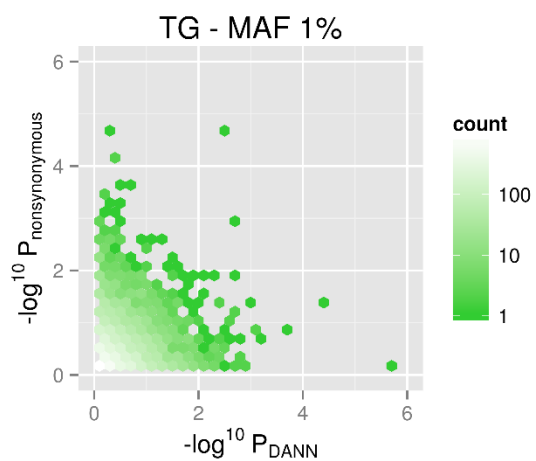
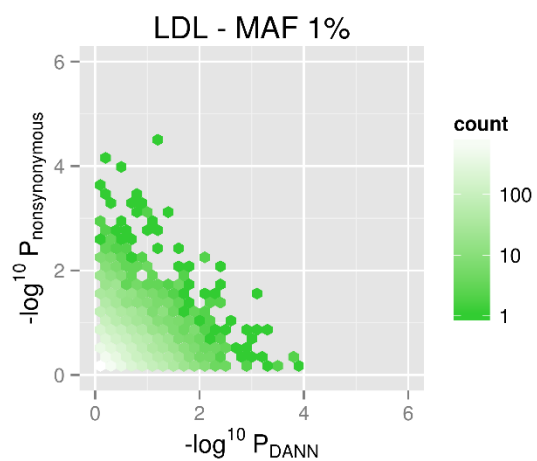
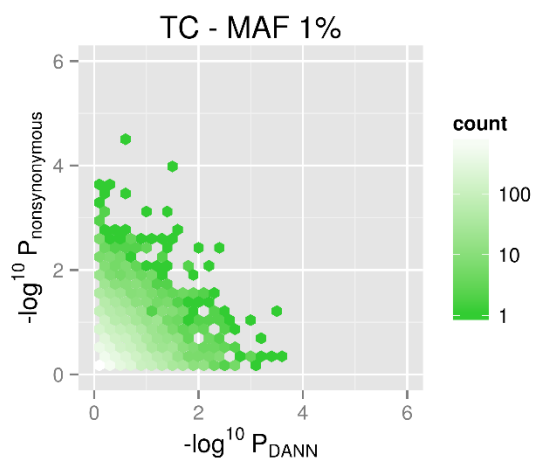
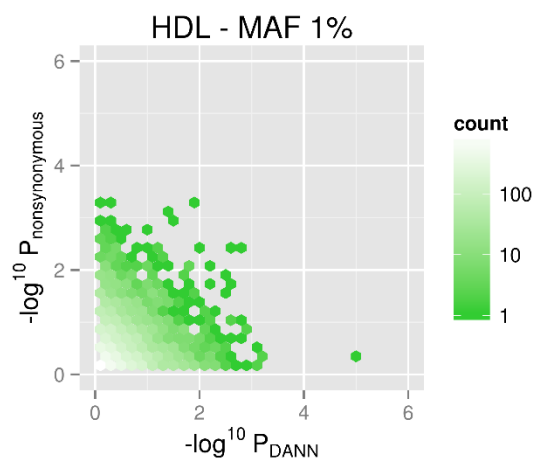
S25 Figure: Gene-based low frequency variant analyses across the genome using MiST for 7 cardiovascular traits (compared with nonsynonymous filtering)



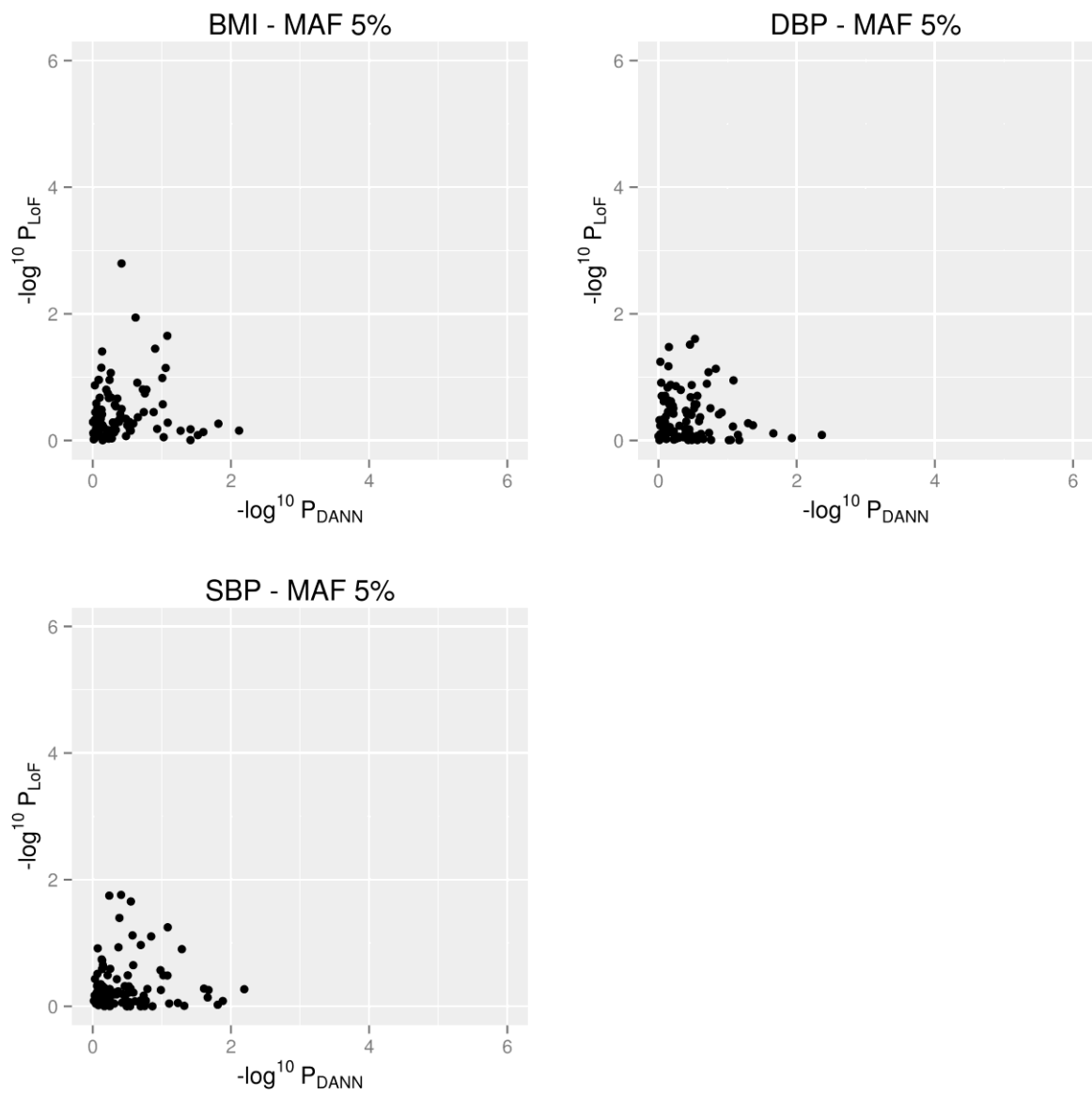


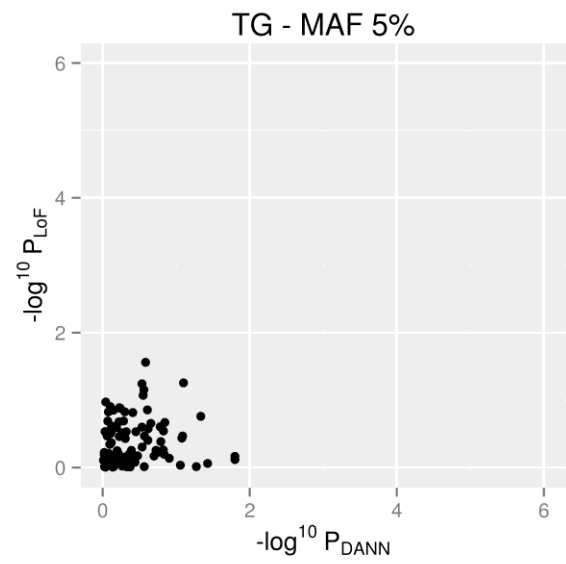
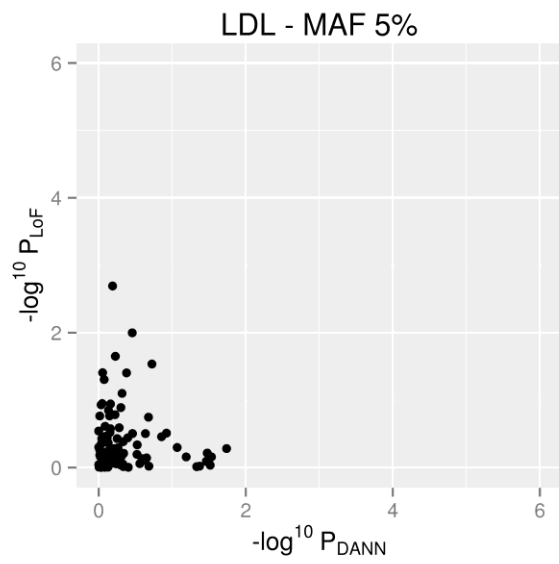
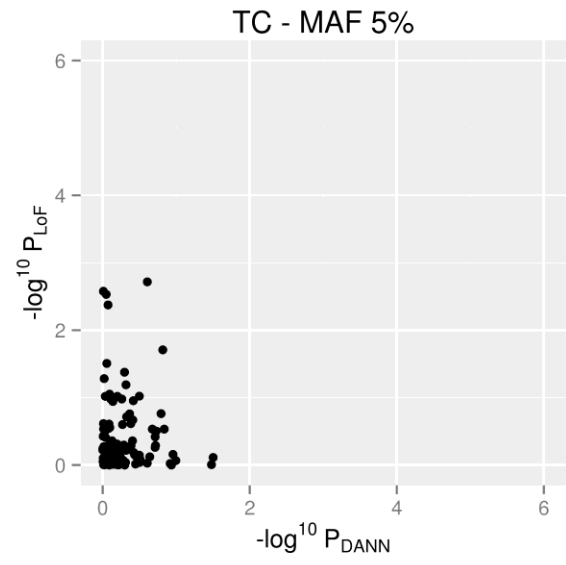
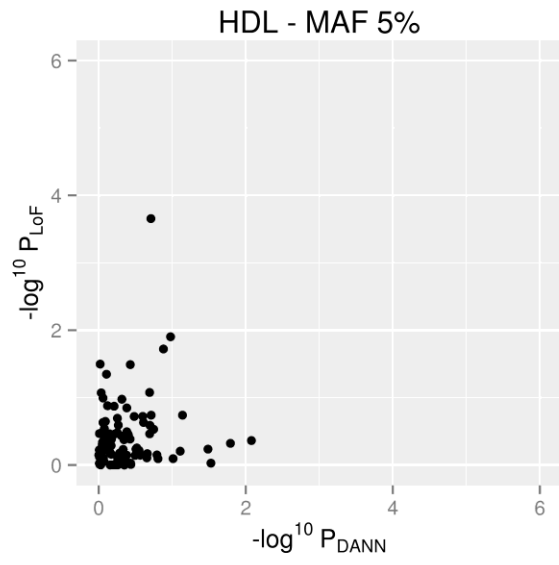
S26 Figure: Gene-based rare variant analyses across the genome using MiST for 7 cardiovascular traits (compared with nonsynonymous filtering)





S27 Figure: Gene-based low frequency variant analyses across the genome using MiST for 7 cardiovascular traits (compared with loss-of-function filtering)





S28 Figure: Gene-based rare variant analyses across the genome using MiST for 7 cardiovascular traits (compared with loss-of-function filtering)

