Assume Smp By Pop Teses save the Score for each SNP, and SMBY POPSE save ele SE of ele Score. let Spand Jp de ele score and jes SE. D MÅX Test. let $T = \max \left| \frac{S_i}{\sigma_i} \right|$ prom (7) is lower pval = 1 - (2pmorm(T) -1)P Meta Teet T= Z S; V= Z (J;)2. Z= / T pral = 2 (1 - Pnorm(Z)) Fisher First convert the score to pralue as $P_i = 2(1 - pnorm(\frac{|S_i|}{|T_i|})$ Fisher Test Stat is f = -25 log(Pi). He produ is basalon Chi-sq with 2P df. Pi= 2((- pnorm ([Si]) same as in your code ACAT = 5 tan ((0,5 - Pi)TT).

produ is based on a Cauchy disvibuling