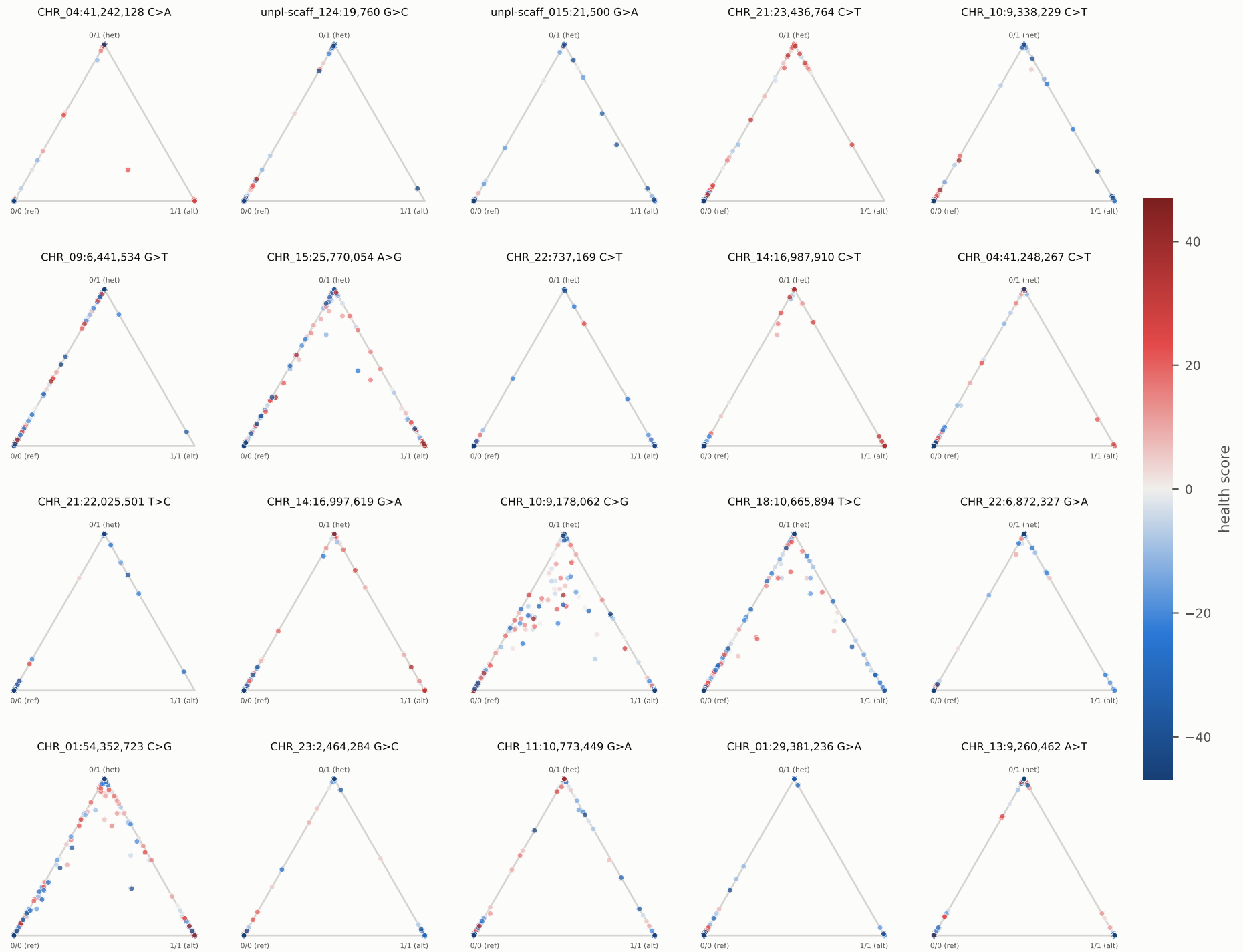
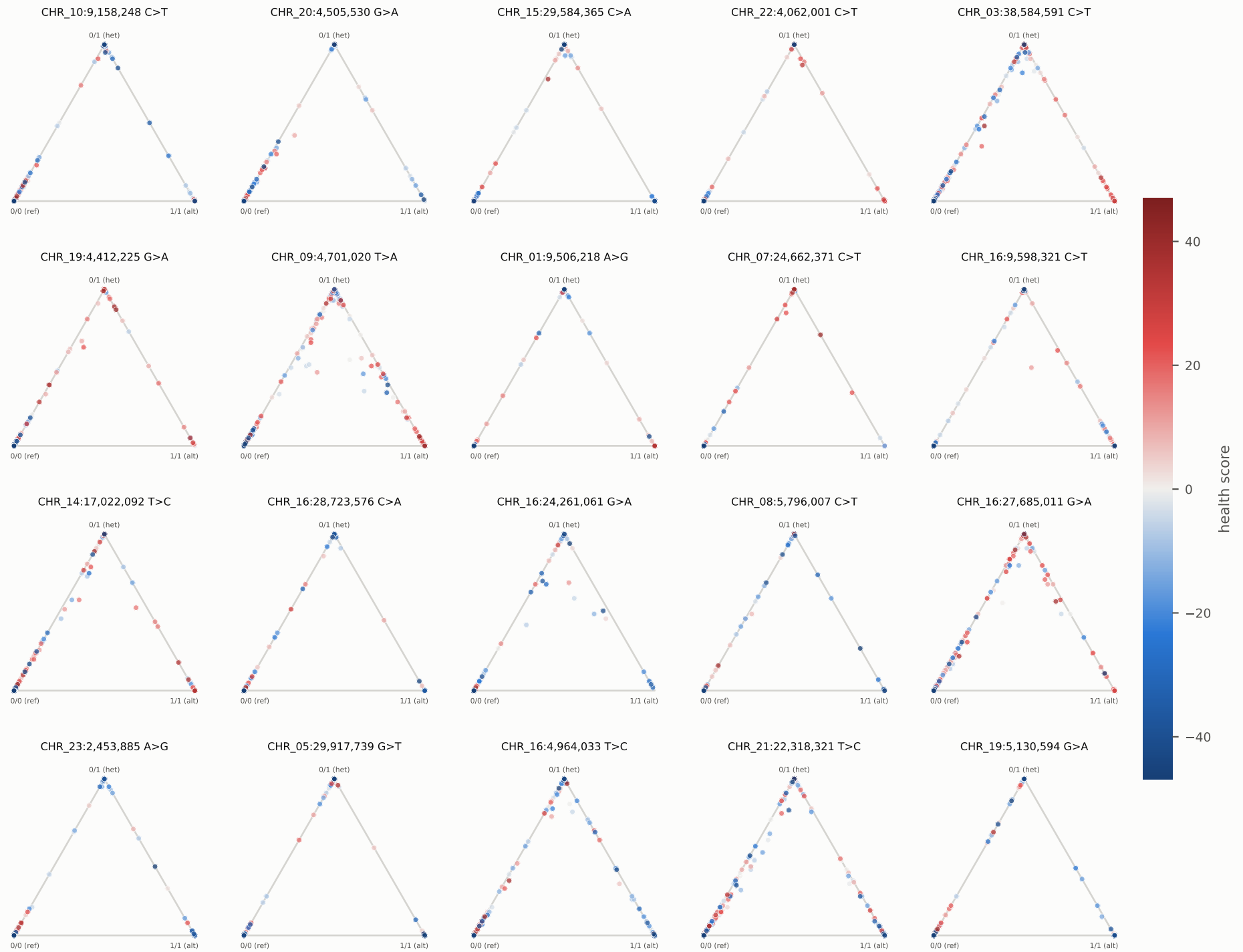


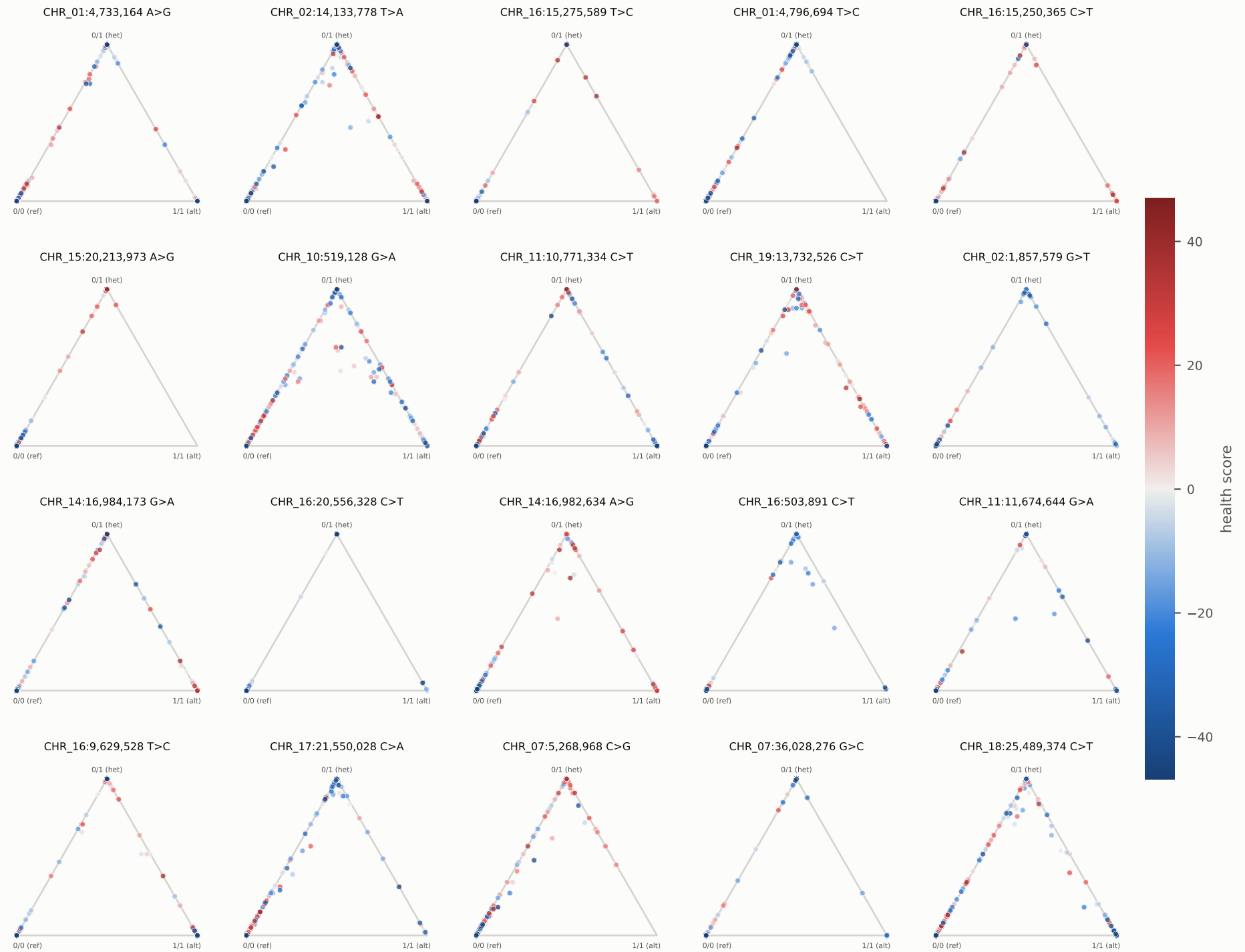
# pruned — top 200 SNPs by health association (|r| dosage vs health) — overview 1/10



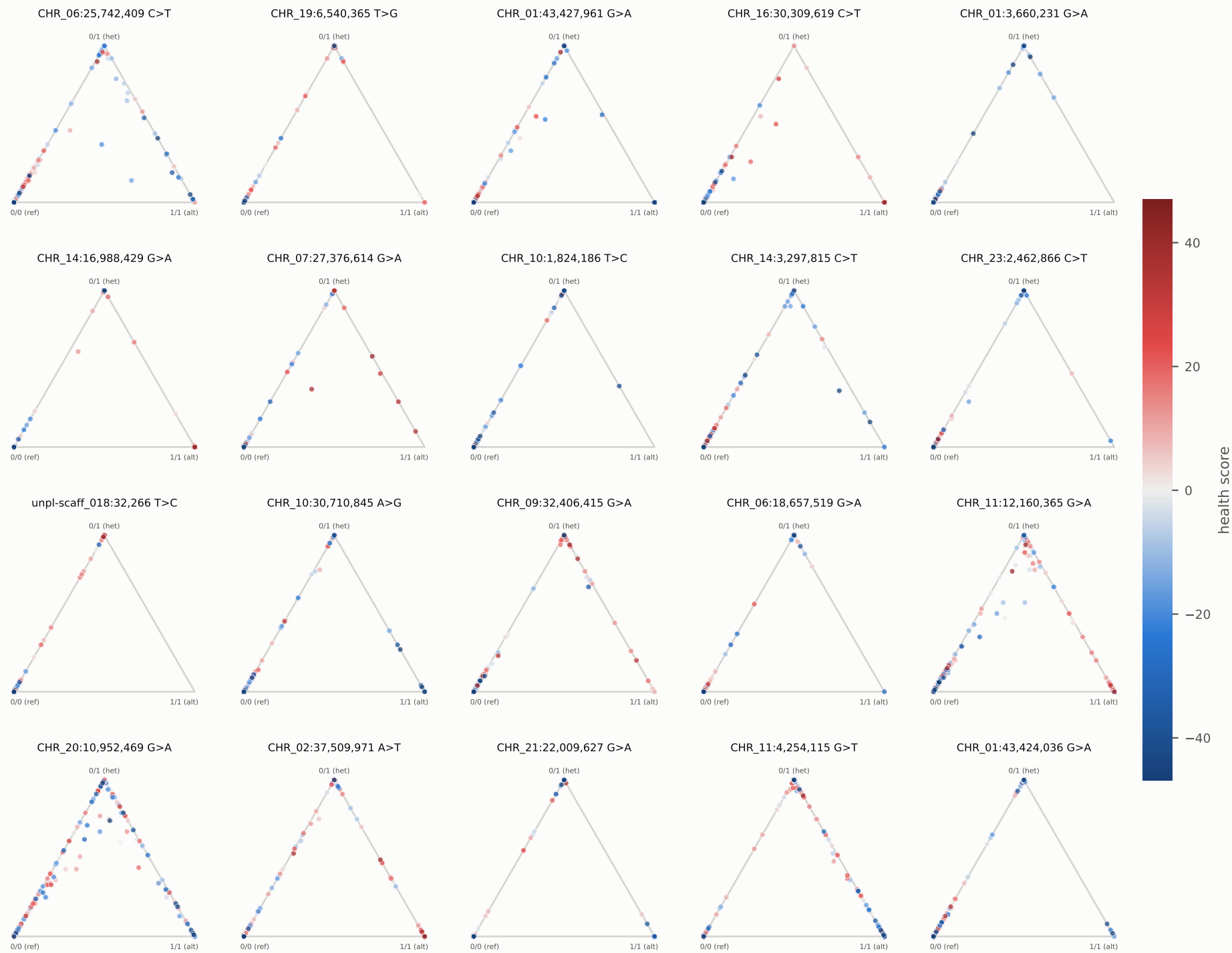
pruned — top 200 SNPs by health association ( $|r|$  dosage vs health) — overview 2/10

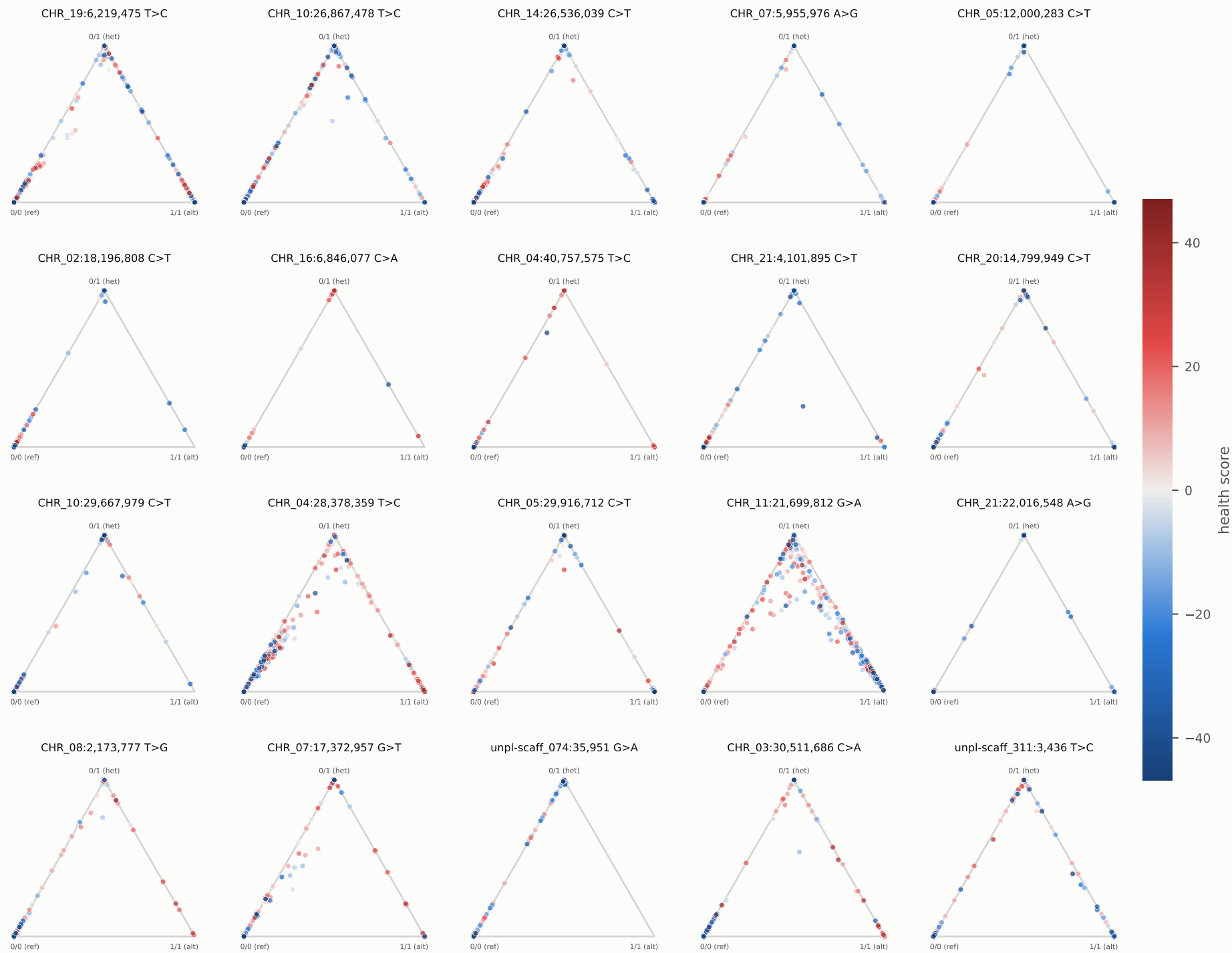


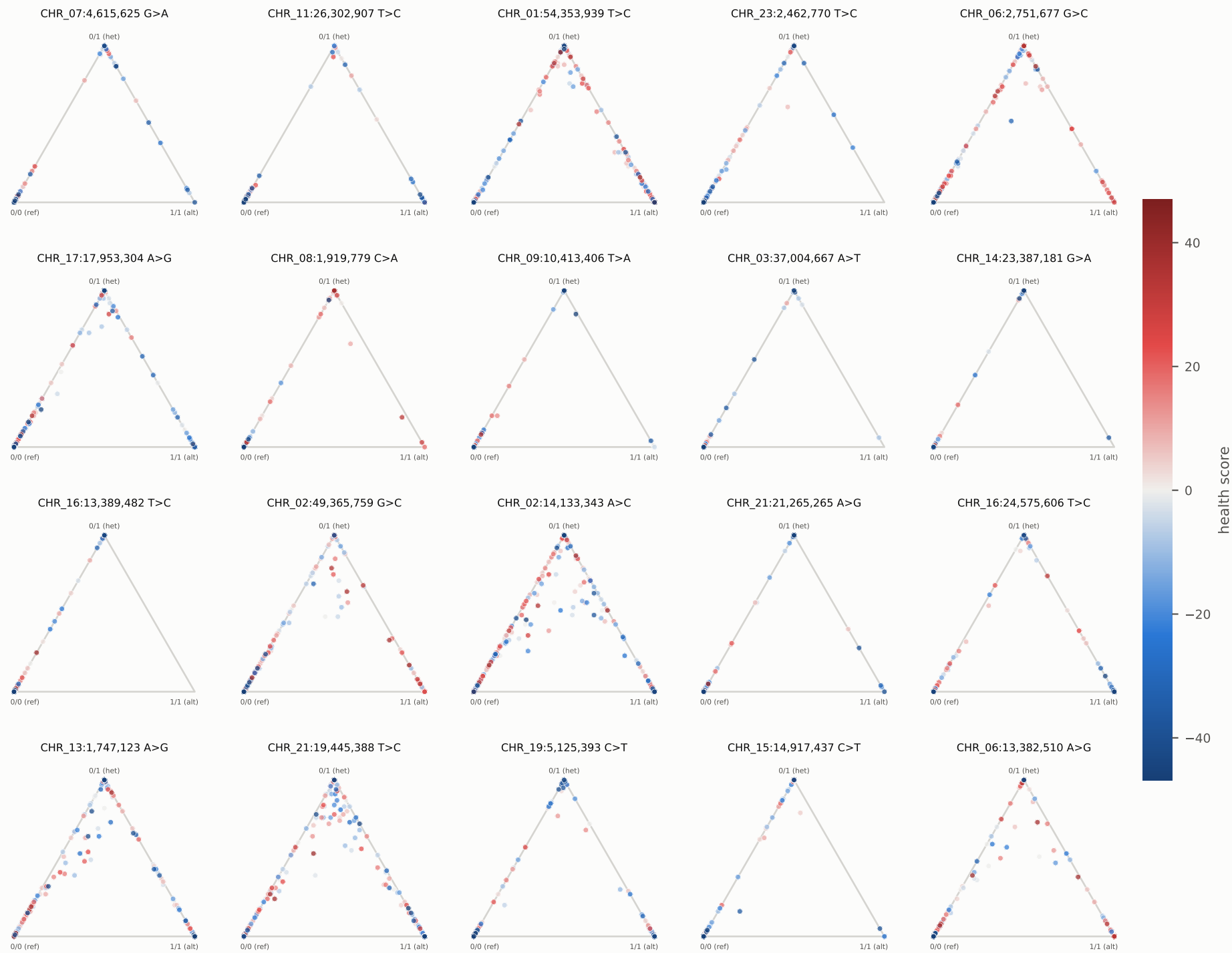
pruned — top 200 SNPs by health association ( $|r|$  dosage vs health) — overview 3/10

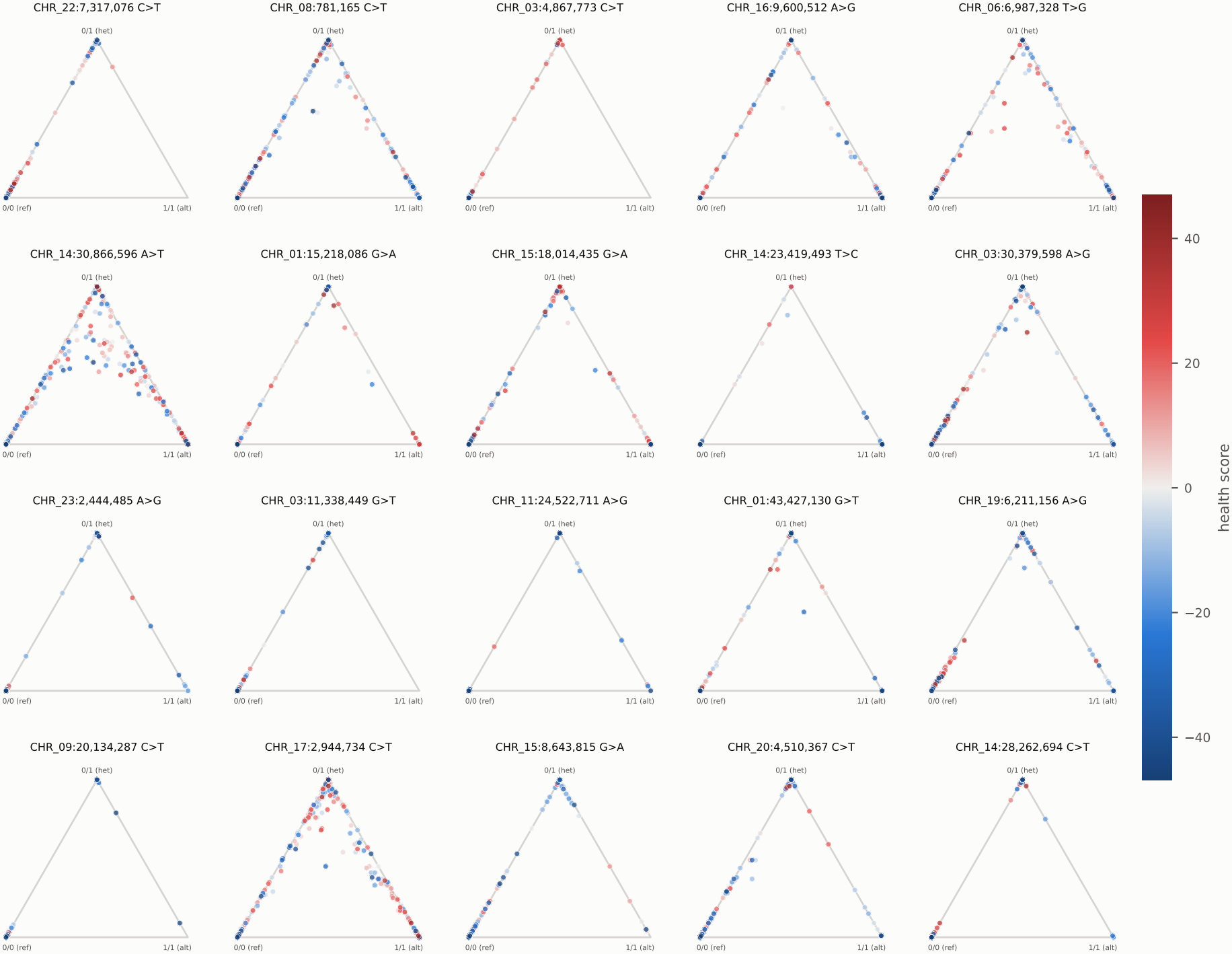


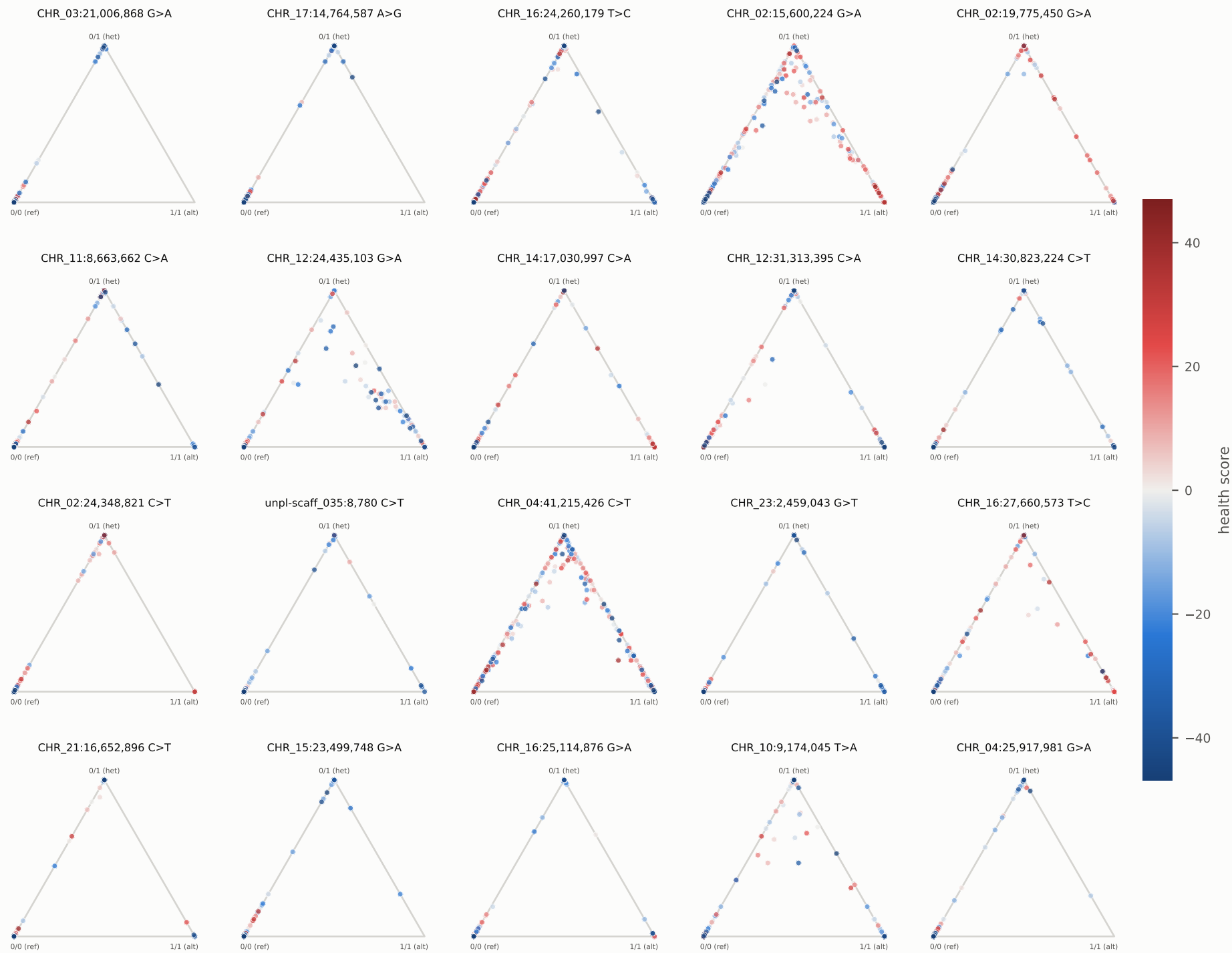
pruned — top 200 SNPs by health association (|r| dosage vs health) — overview 4/10



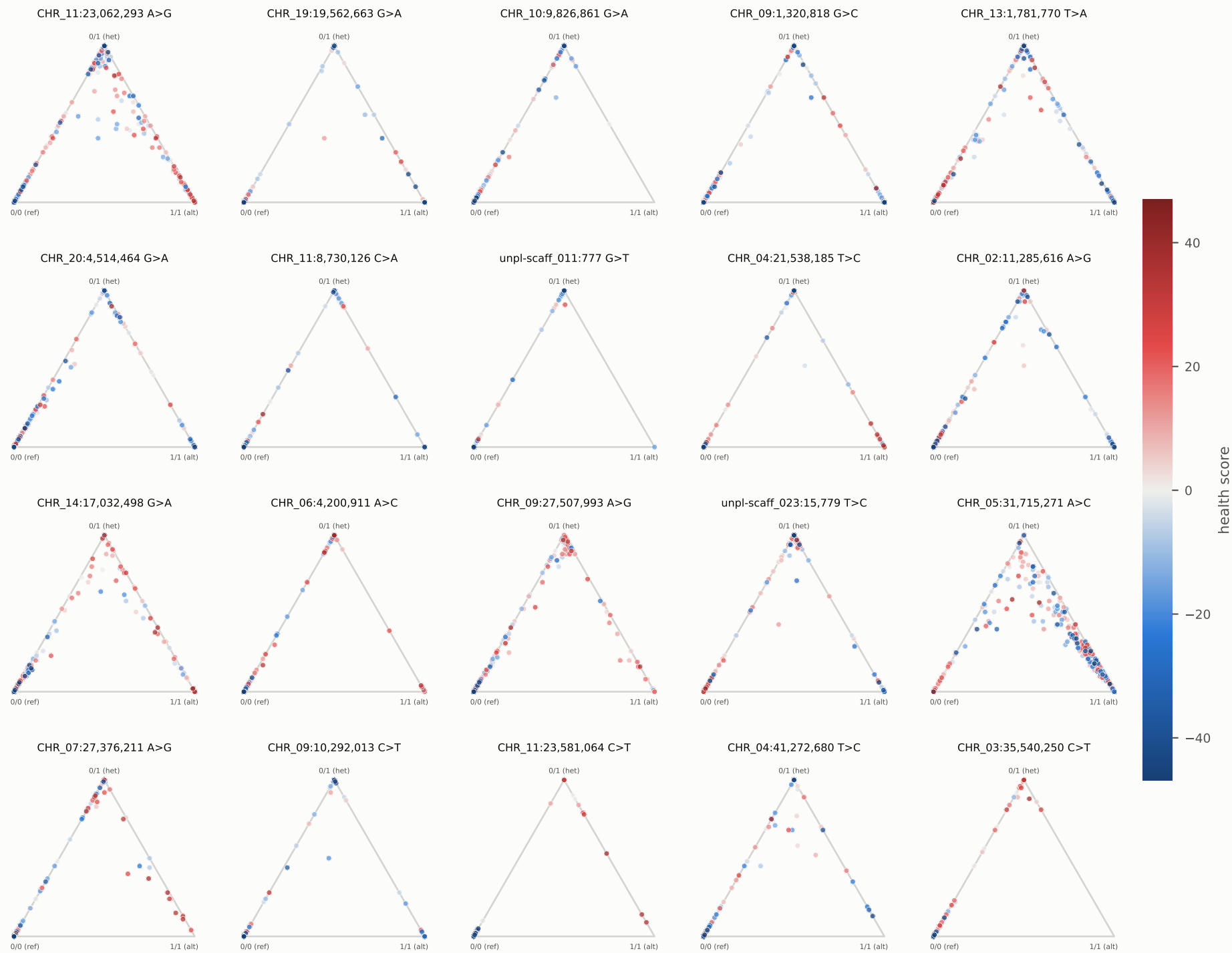




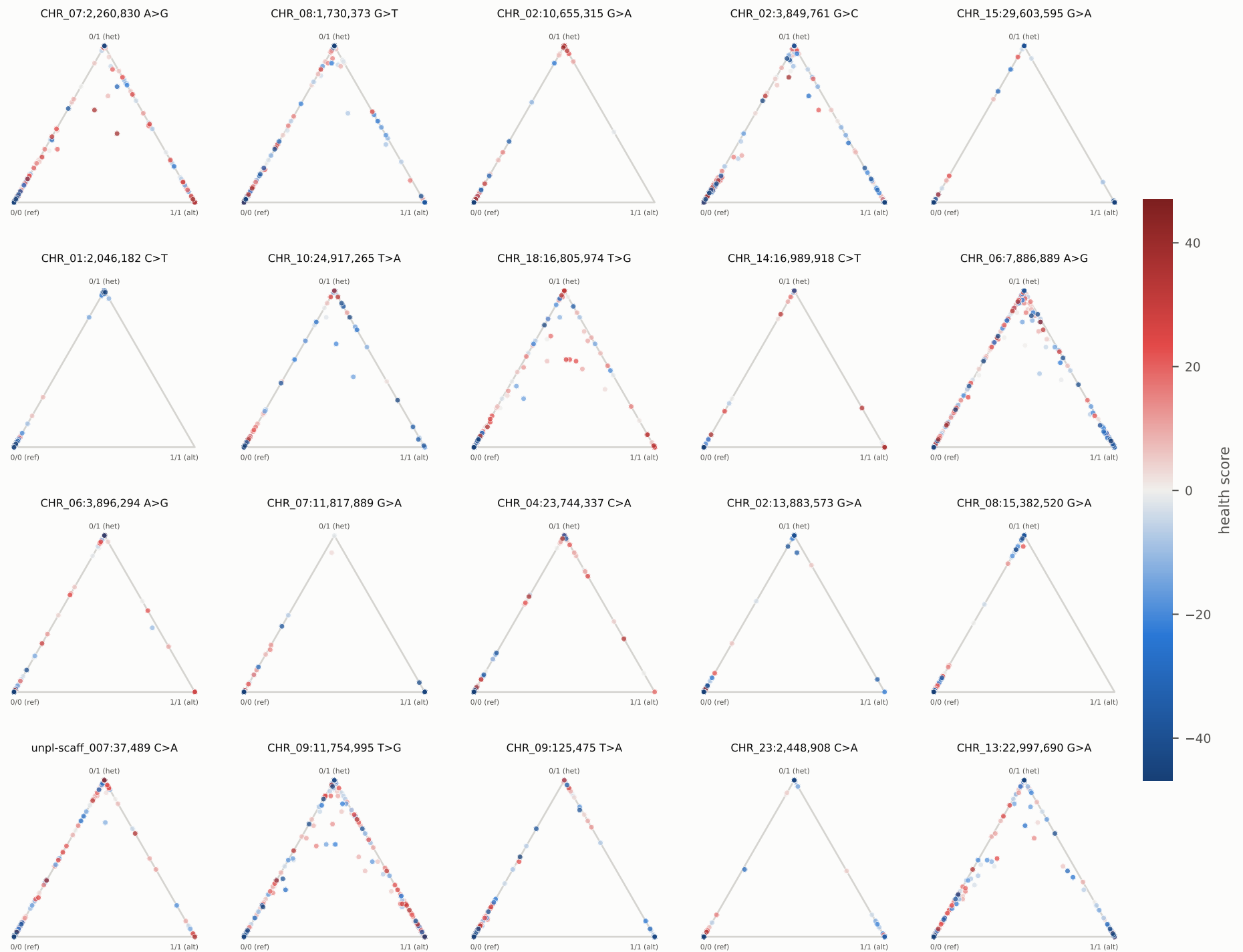




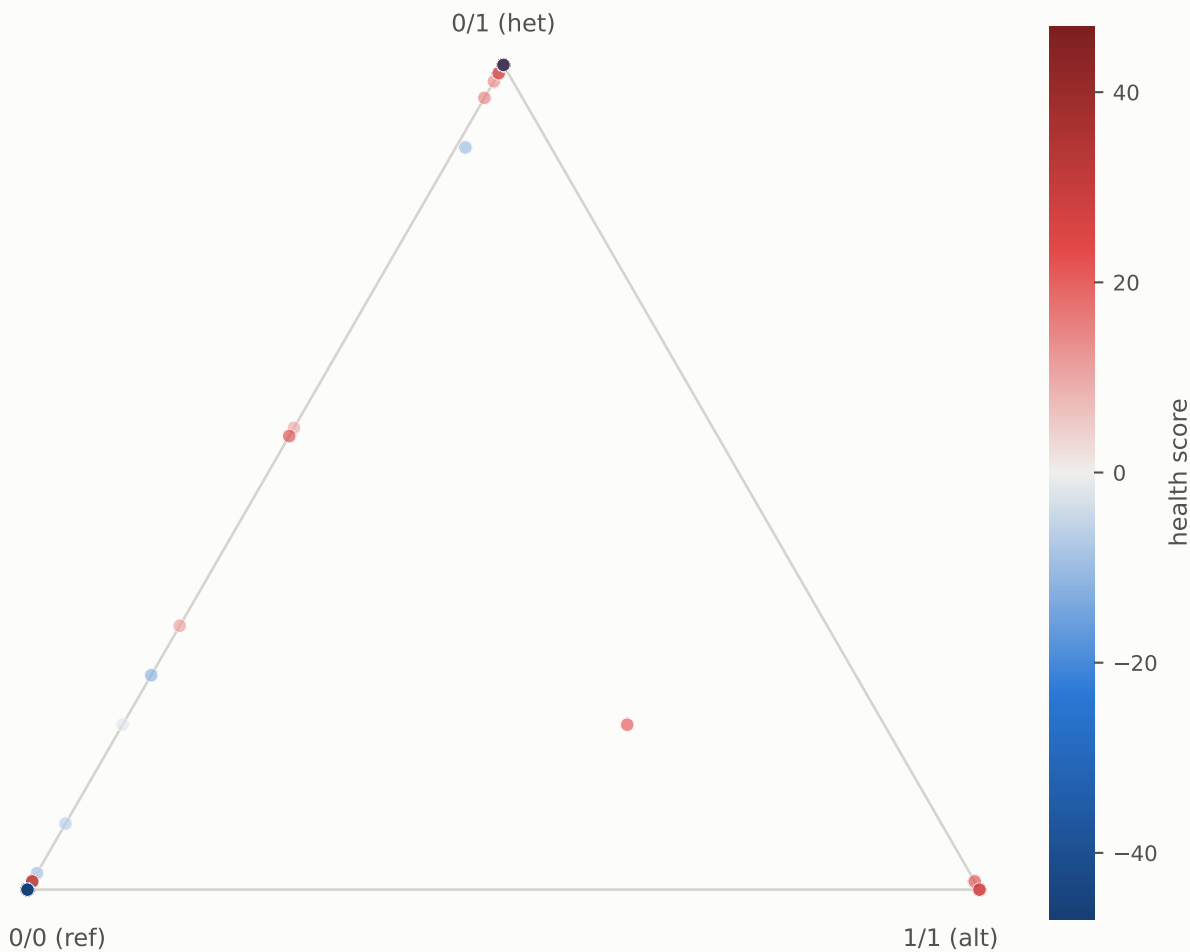




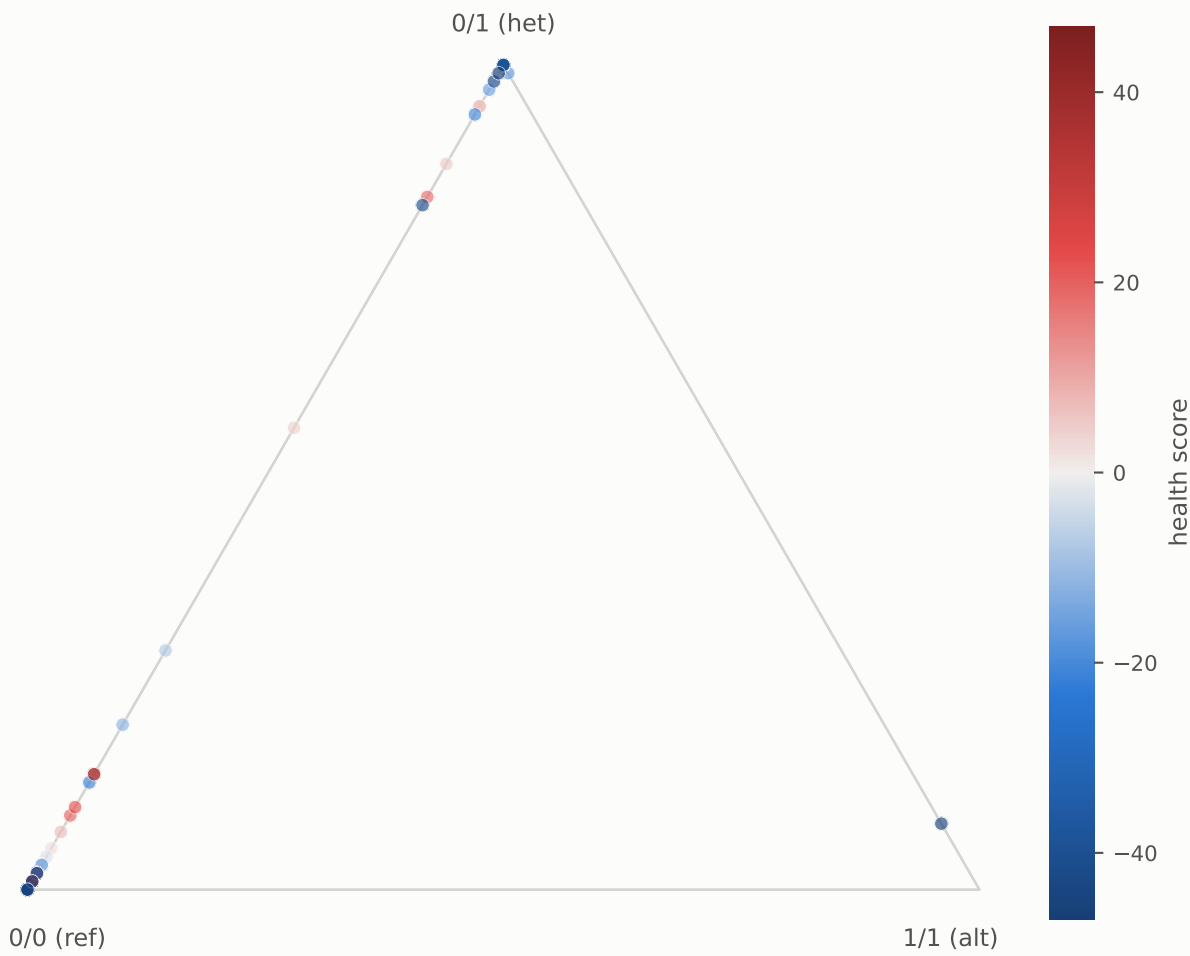
pruned — top 200 SNPs by health association (|r| dosage vs health) — overview 10/10



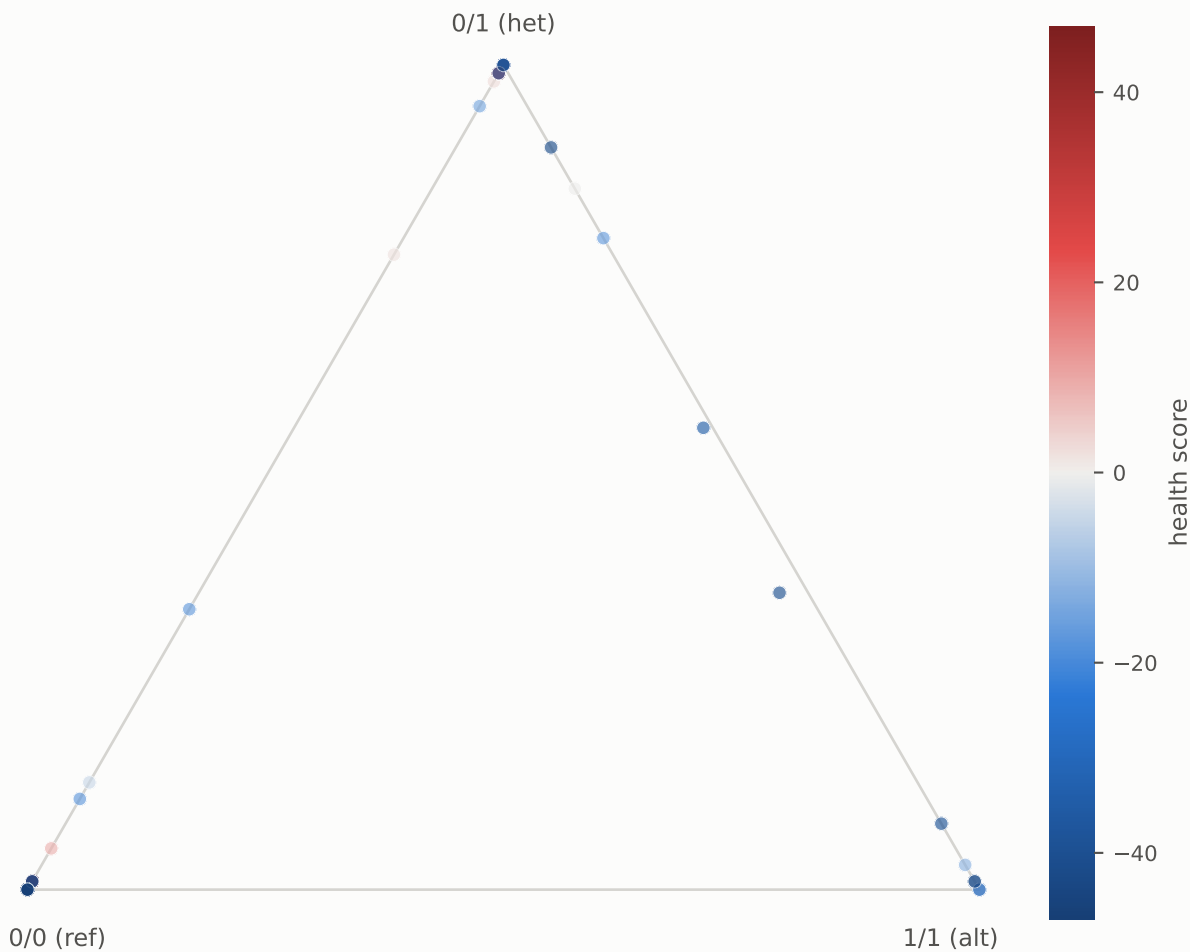
#1 by health association CHR\_04:41,242,128 C>A  
AF=0.078 DR2=0.97 r=+0.244 H=0.013 F=14.7



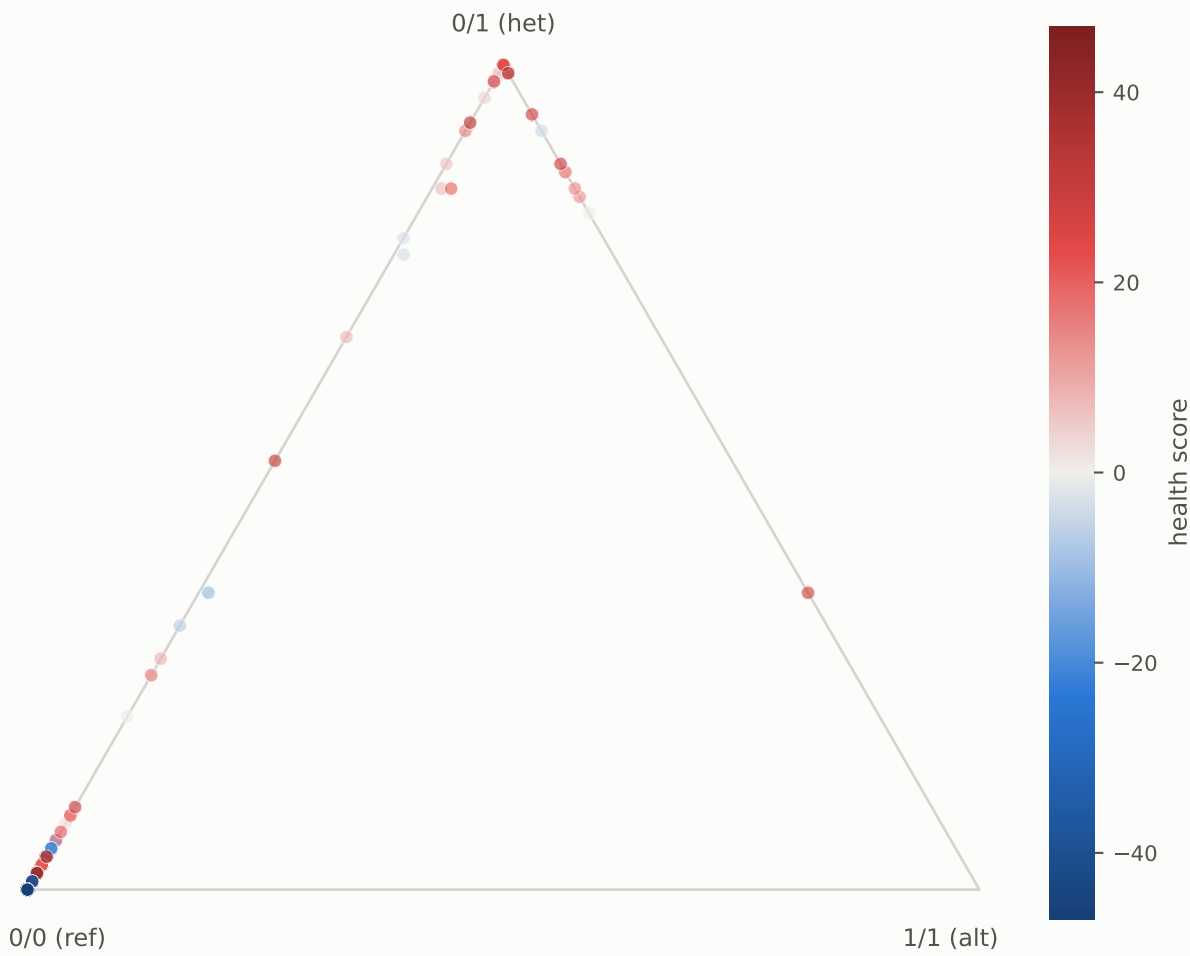
#2 by health association unpl-scaff\_124:19,760 G>C  
AF=0.048 DR2=0.93 r=-0.236 H=0.023 F=20.5



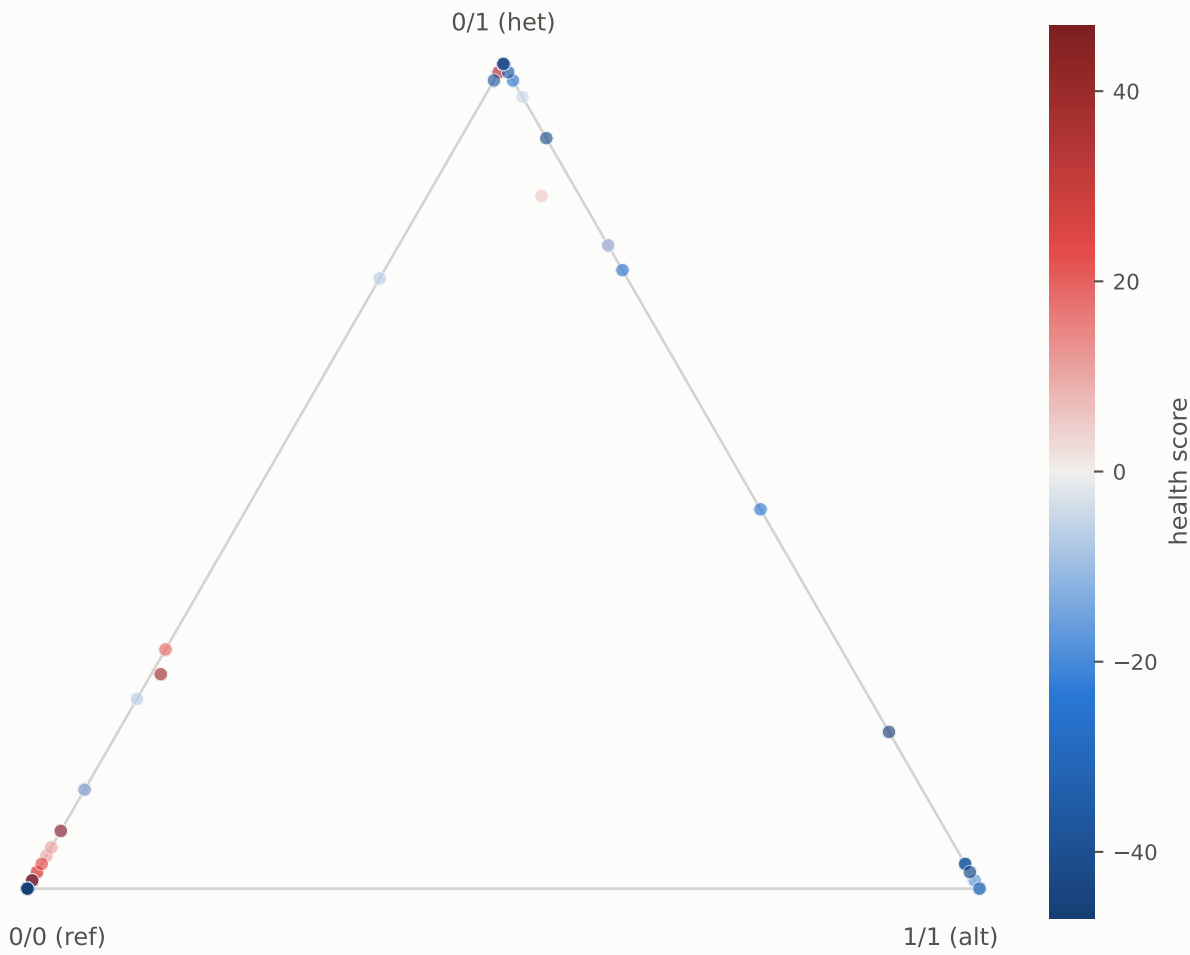
#3 by health association unpl-scaff\_015:21,500 G>A  
AF=0.037 DR2=0.93 r=-0.236 H=0.015 F=12.9



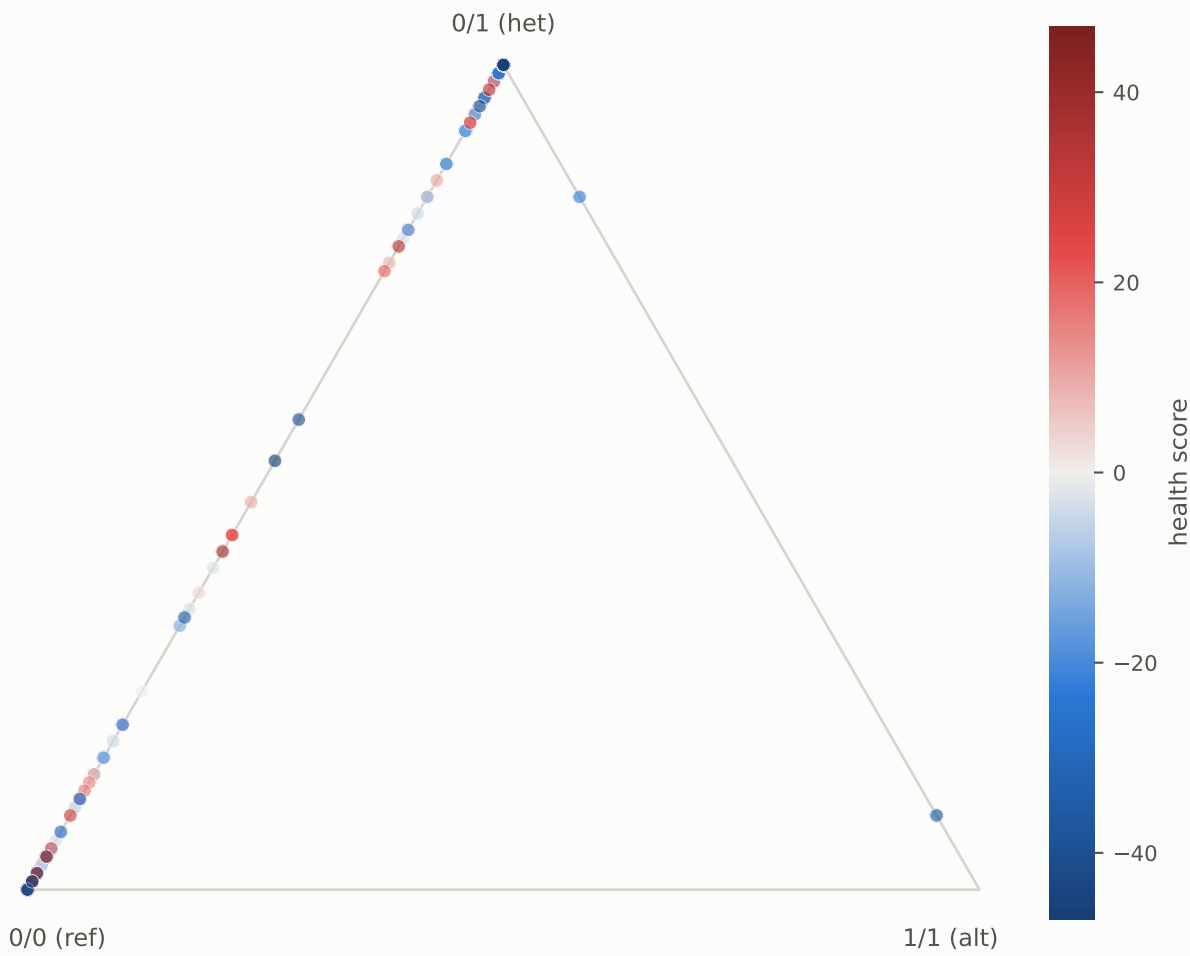
#4 by health association CHR\_21:23,436,764 C>T  
AF=0.028 DR2=0.81 r=+0.233 H=0.052 F=22.1



#5 by health association CHR\_10:9,338,229 C>T  
AF=0.082 DR2=0.96 r=-0.228 H=0.024 F=13.6

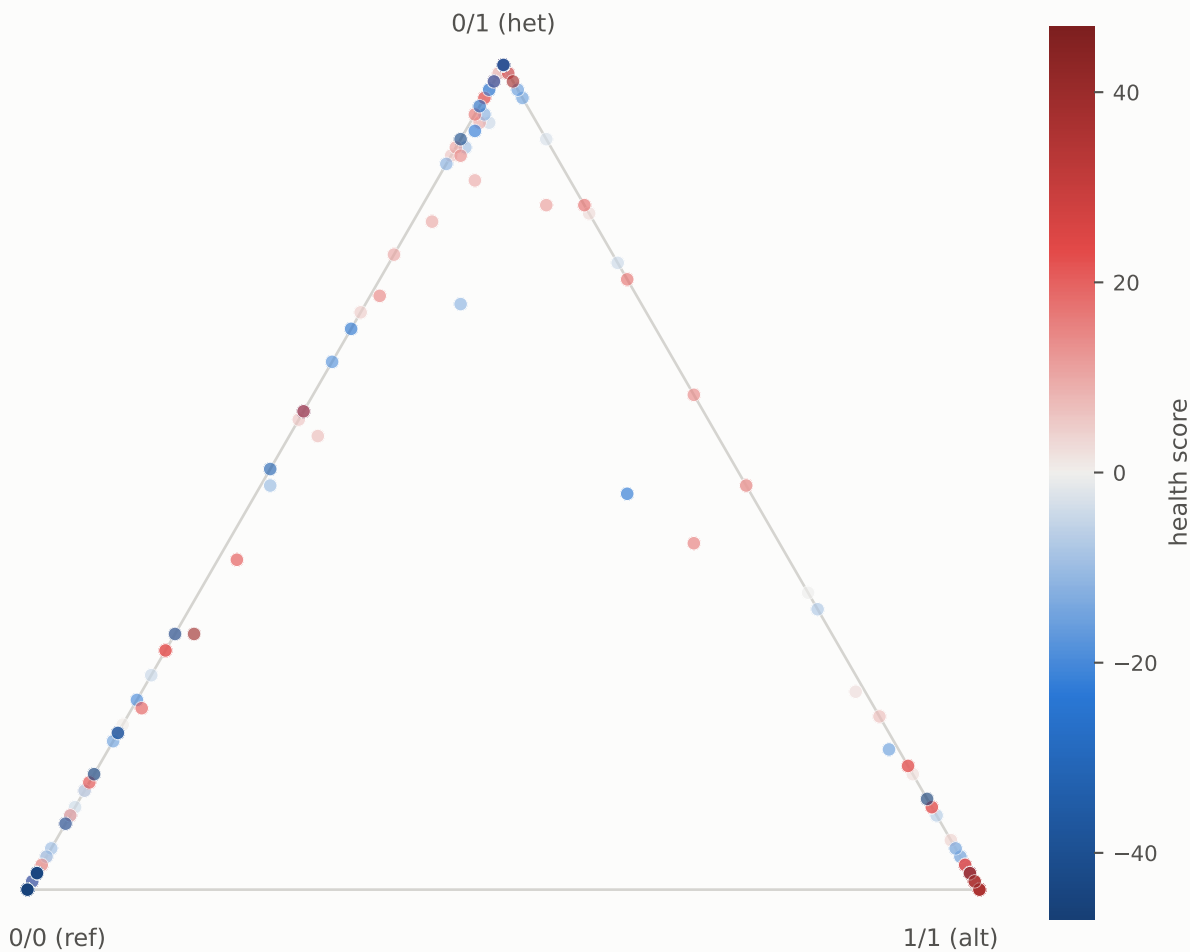


#6 by health association CHR\_09:6,441,534 G>T  
AF=0.19 DR2=0.91  $r=-0.226$  H=0.070 F=22.7

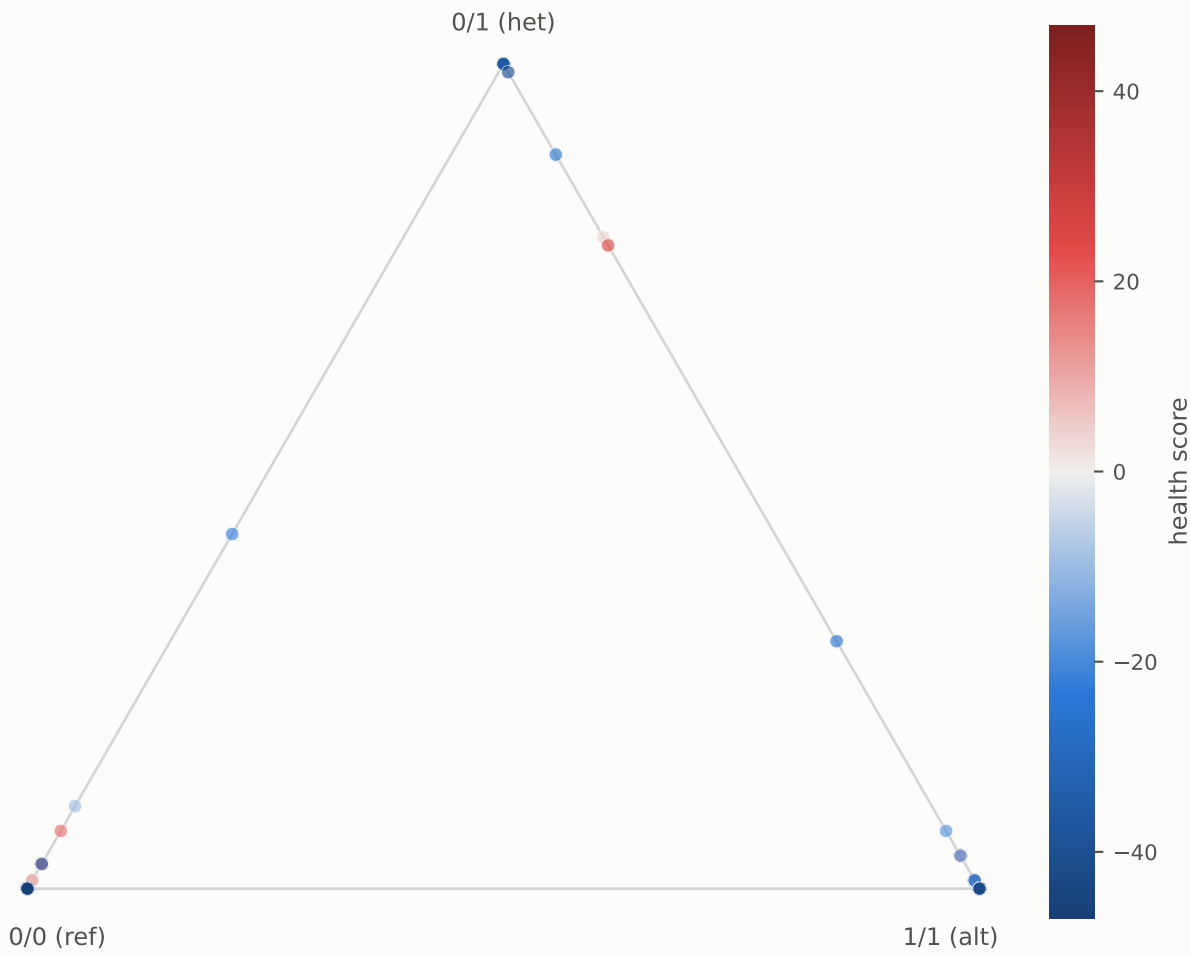




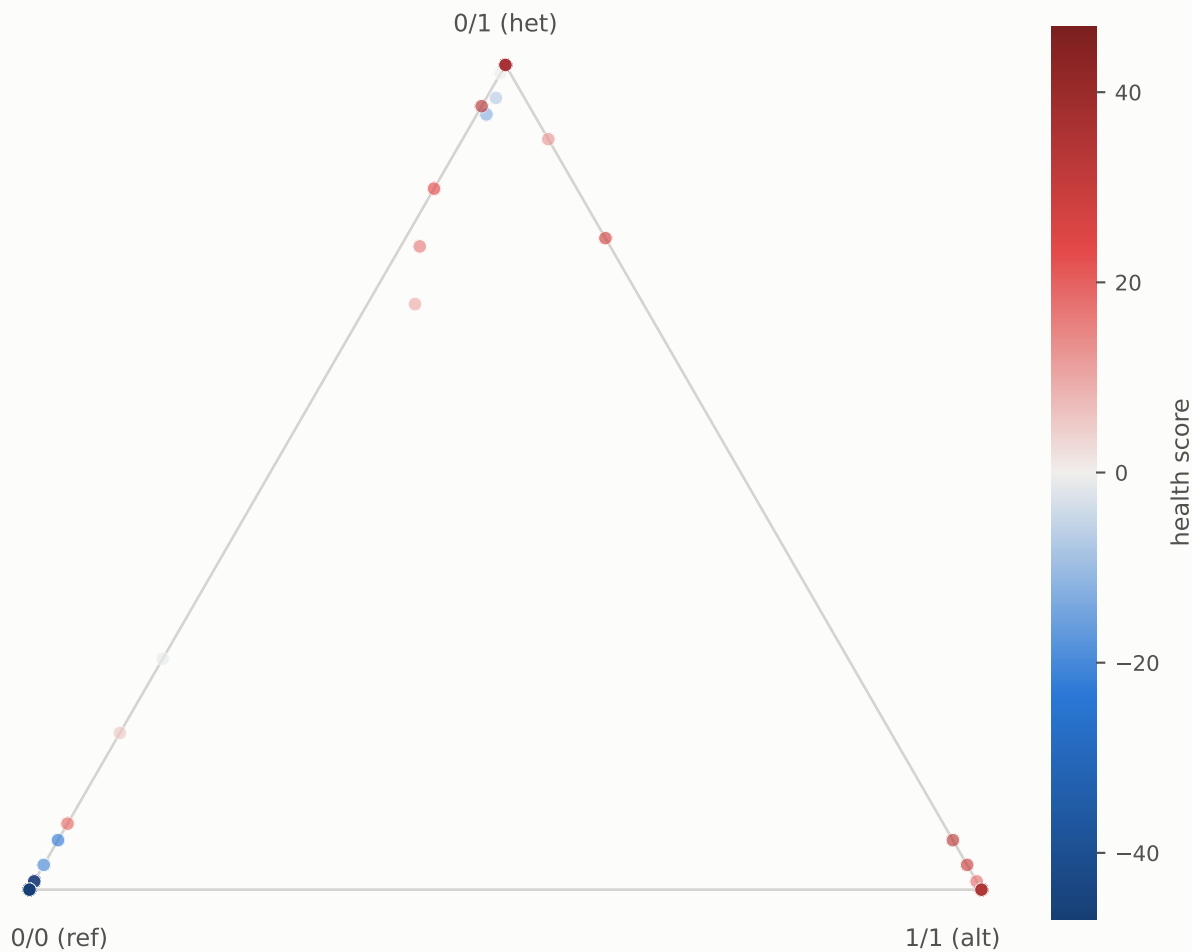
#7 by health association CHR\_15:25,770,054 A>G  
AF=0.41 DR2=0.94  $r=+0.225$   $H=0.098$   $F=11.0$



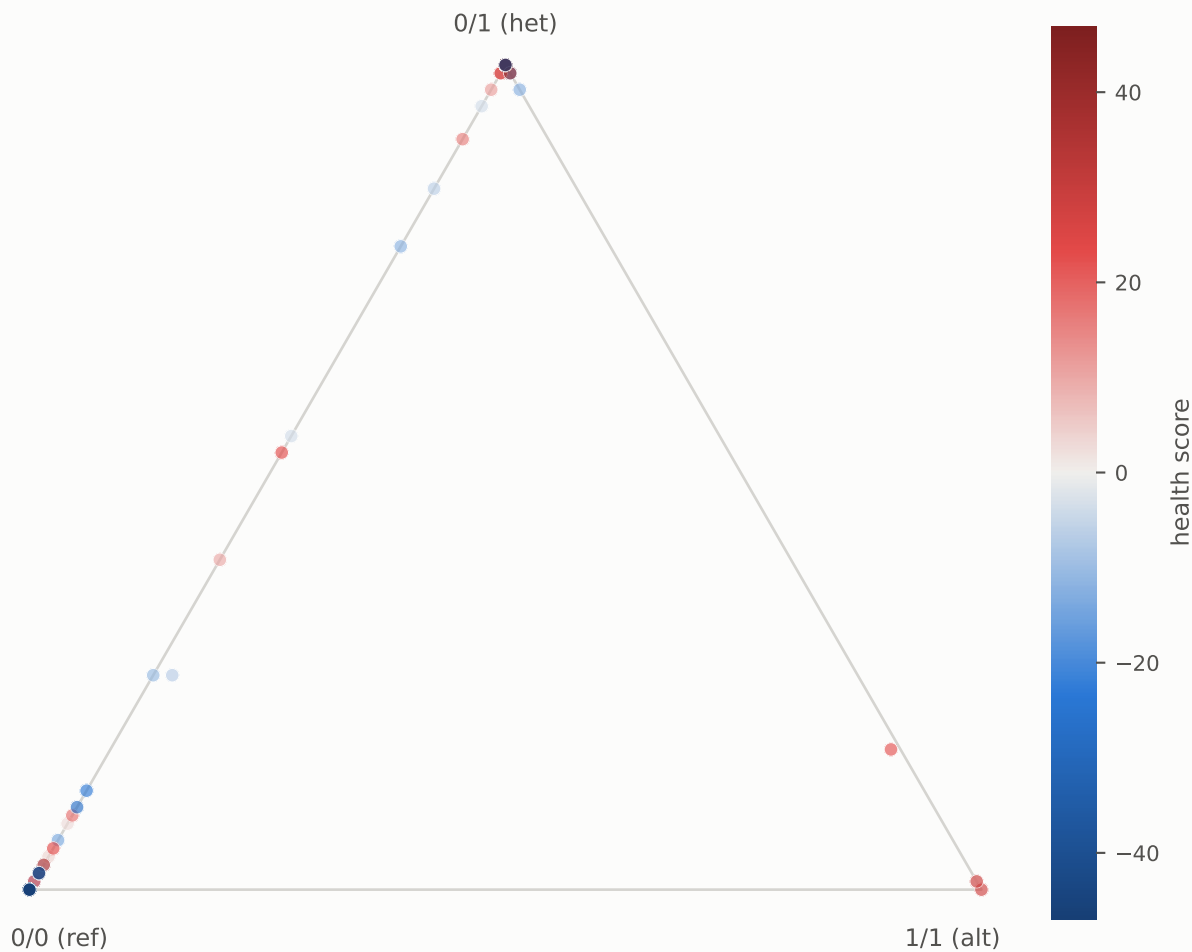
#8 by health association CHR\_22:737,169 C>T  
AF=0.091 DR2=0.99 r=-0.225 H=0.010 F=12.0



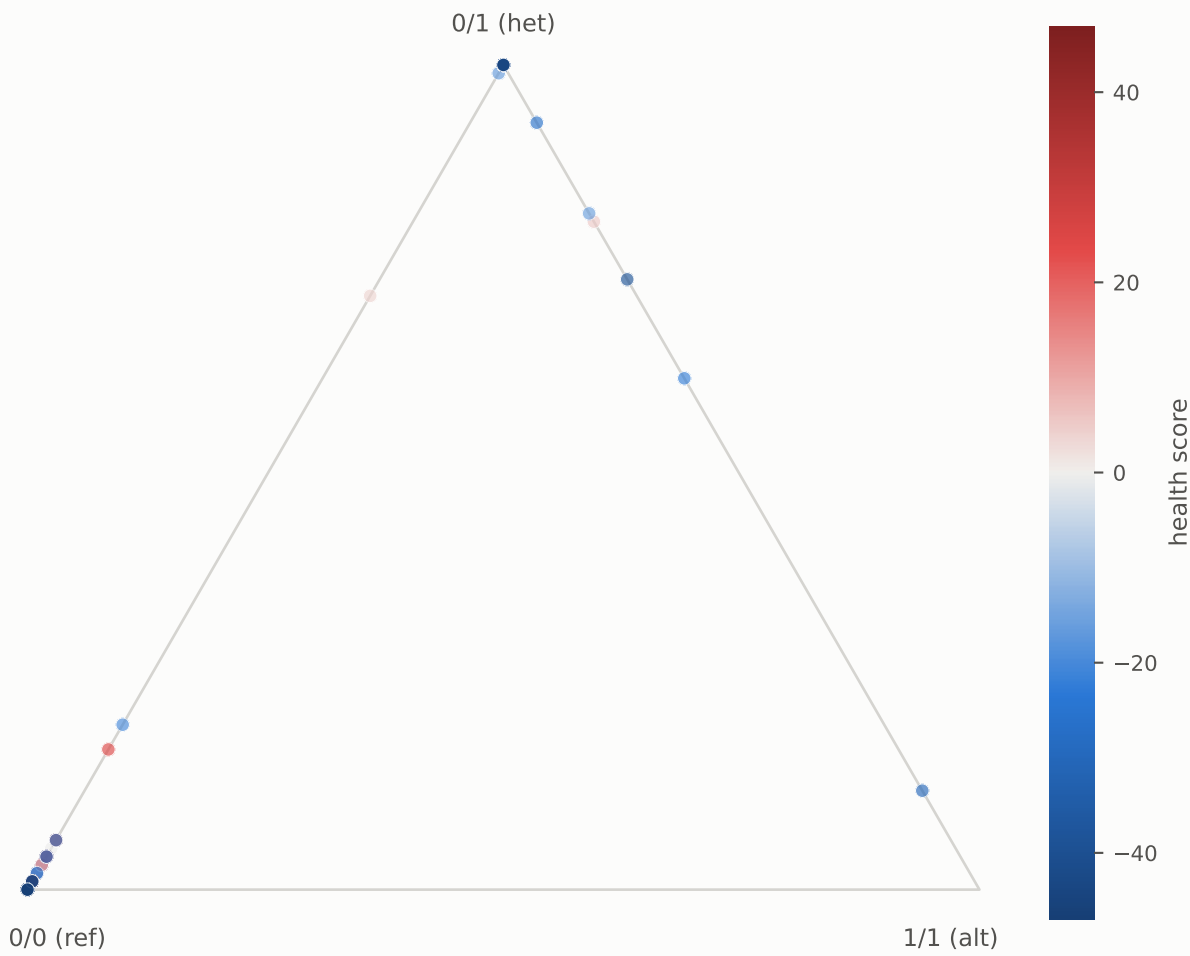
#9 by health association CHR\_14:16,987,910 C>T  
AF=0.11 DR2=0.98 r=+0.224 H=0.014 F=12.0



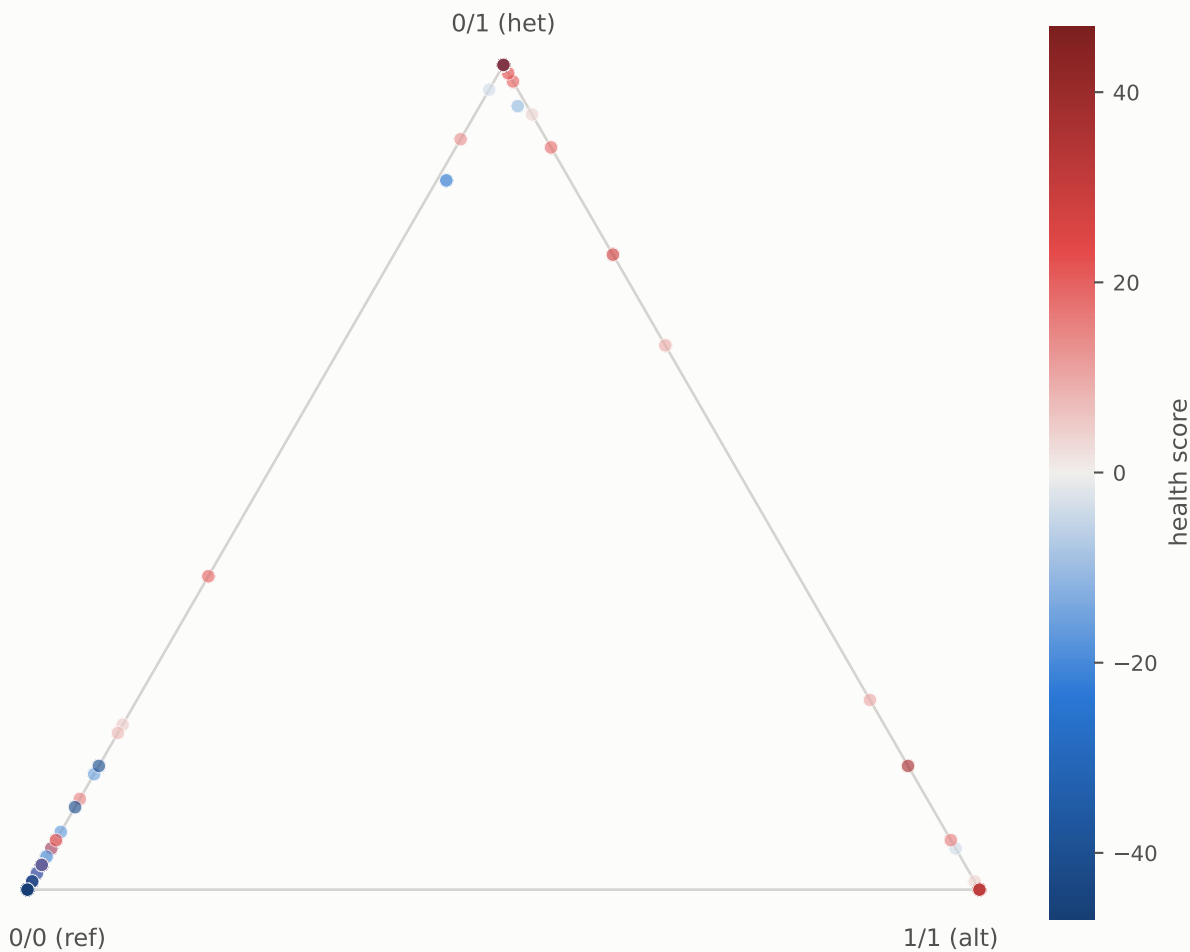
#10 by health association CHR\_04:41,248,267 C>T  
AF=0.079 DR2=0.95 r=+0.224 H=0.020 F=18.5



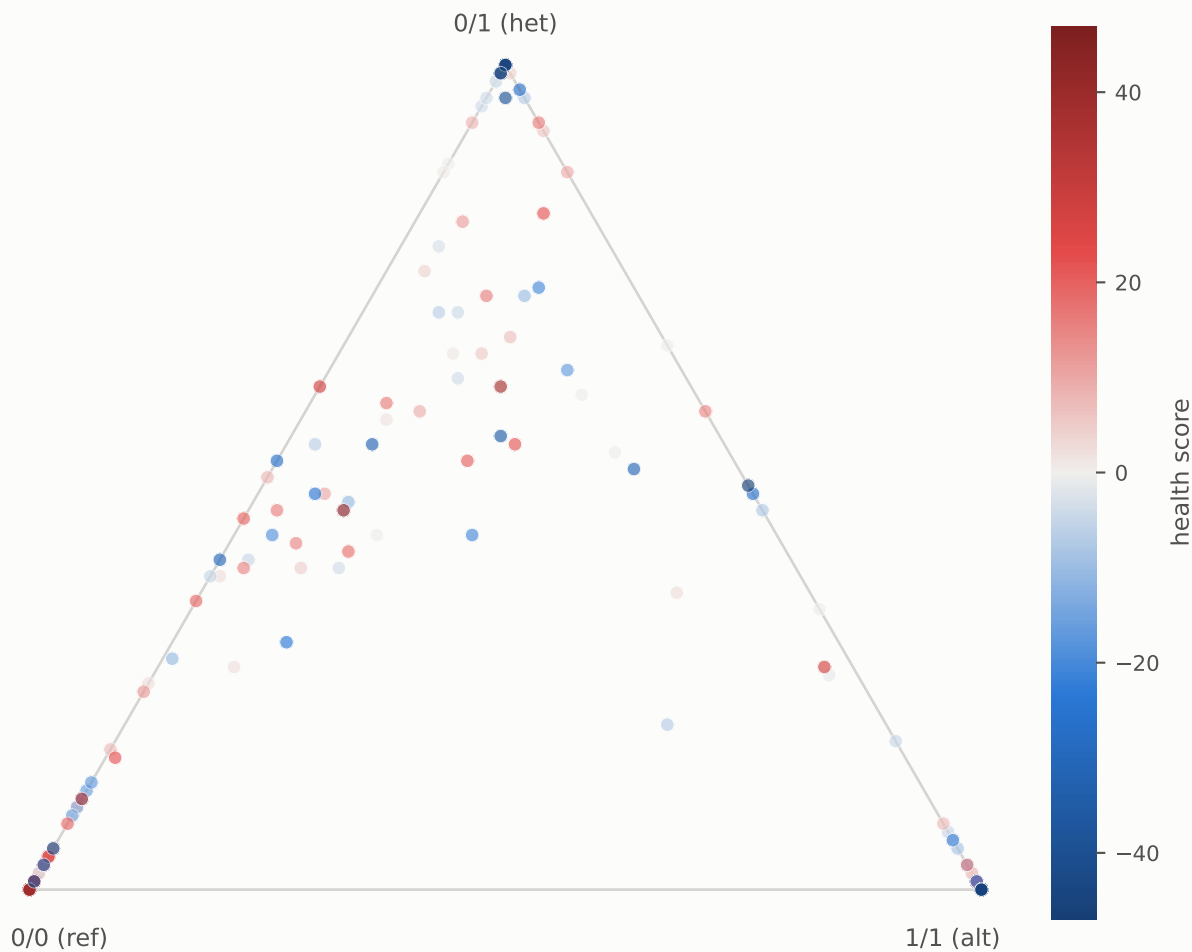
#11 by health association CHR\_21:22,025,501 T>C  
AF=0.024 DR2=0.91 r=-0.223 H=0.022 F=19.5



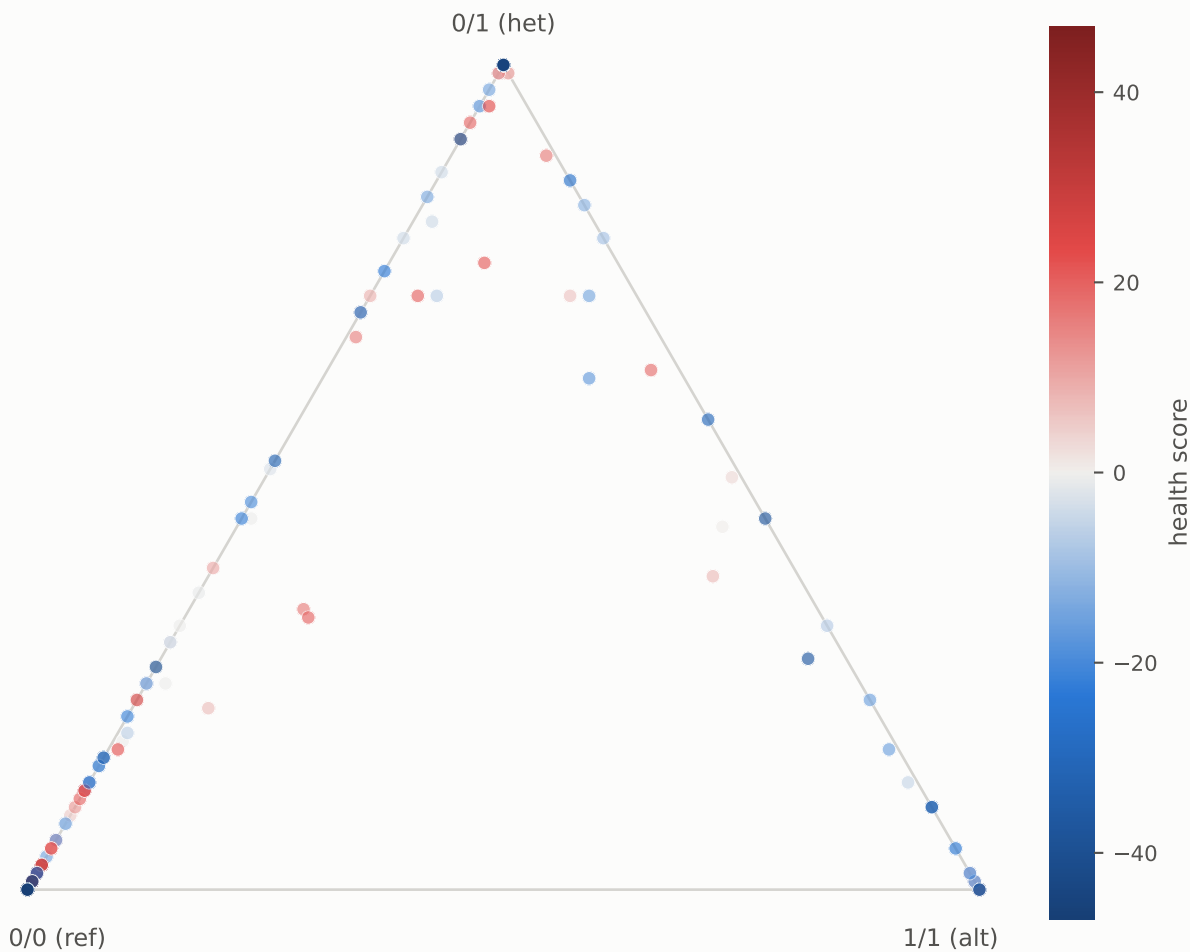
#12 by health association CHR\_14:16,997,619 G>A  
AF=0.13 DR2=0.96  $r=+0.223$  H=0.029 F=11.5



#13 by health association CHR\_10:9,178,062 C>G  
AF=0.33 DR2=0.91 r=-0.223 H=0.144 F=14.3

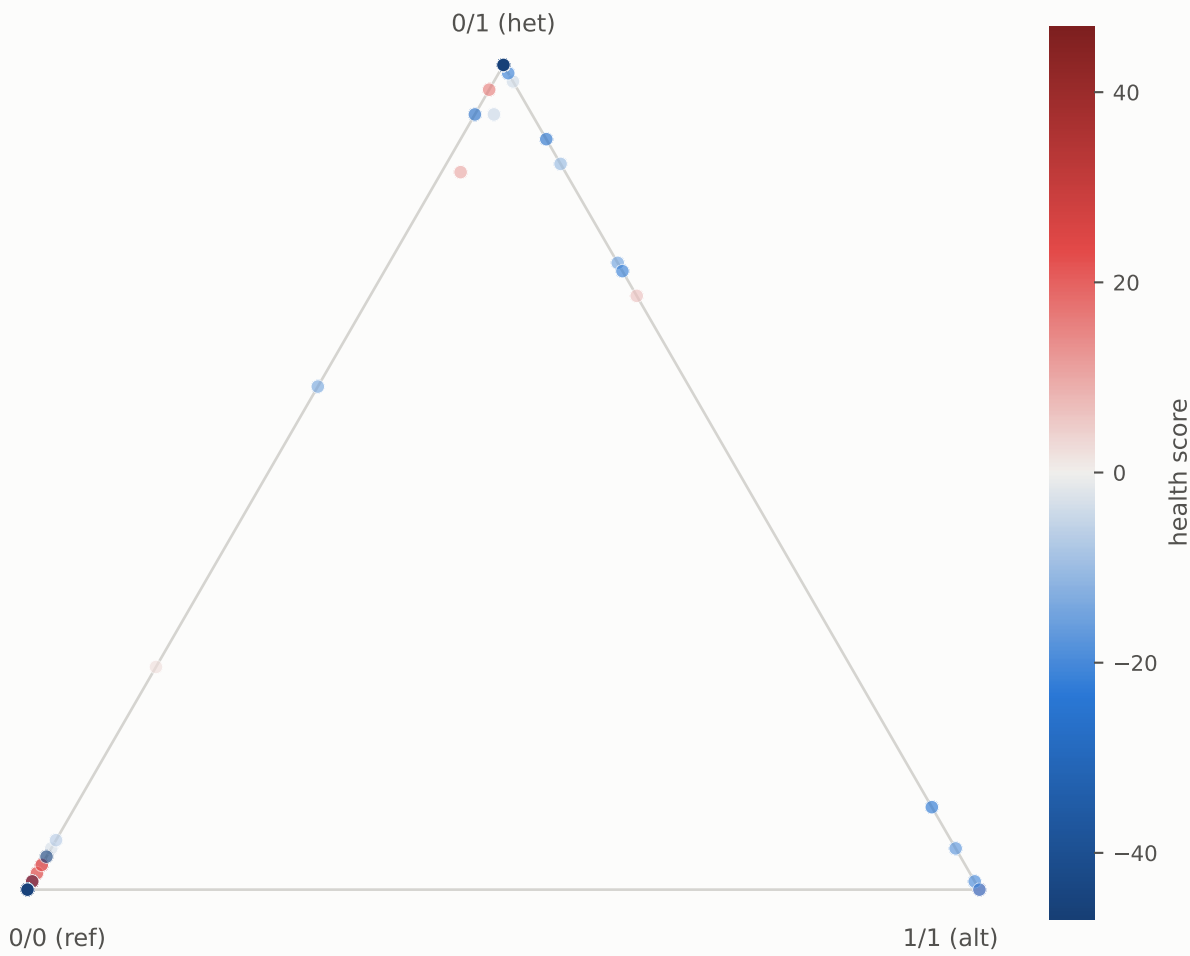


#14 by health association CHR\_18:10,665,894 T>C  
AF=0.11 DR2=0.86 r=-0.222 H=0.104 F=11.5

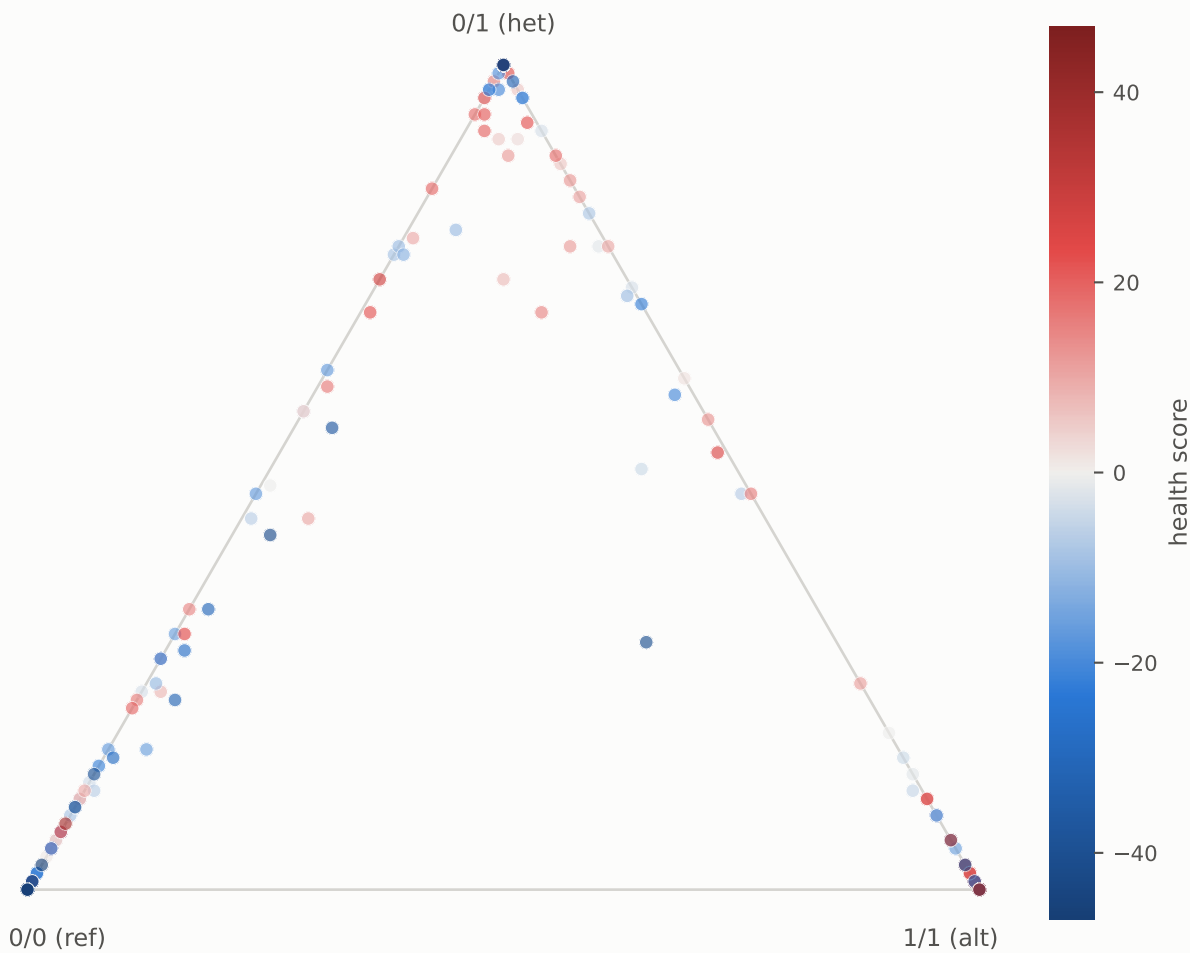




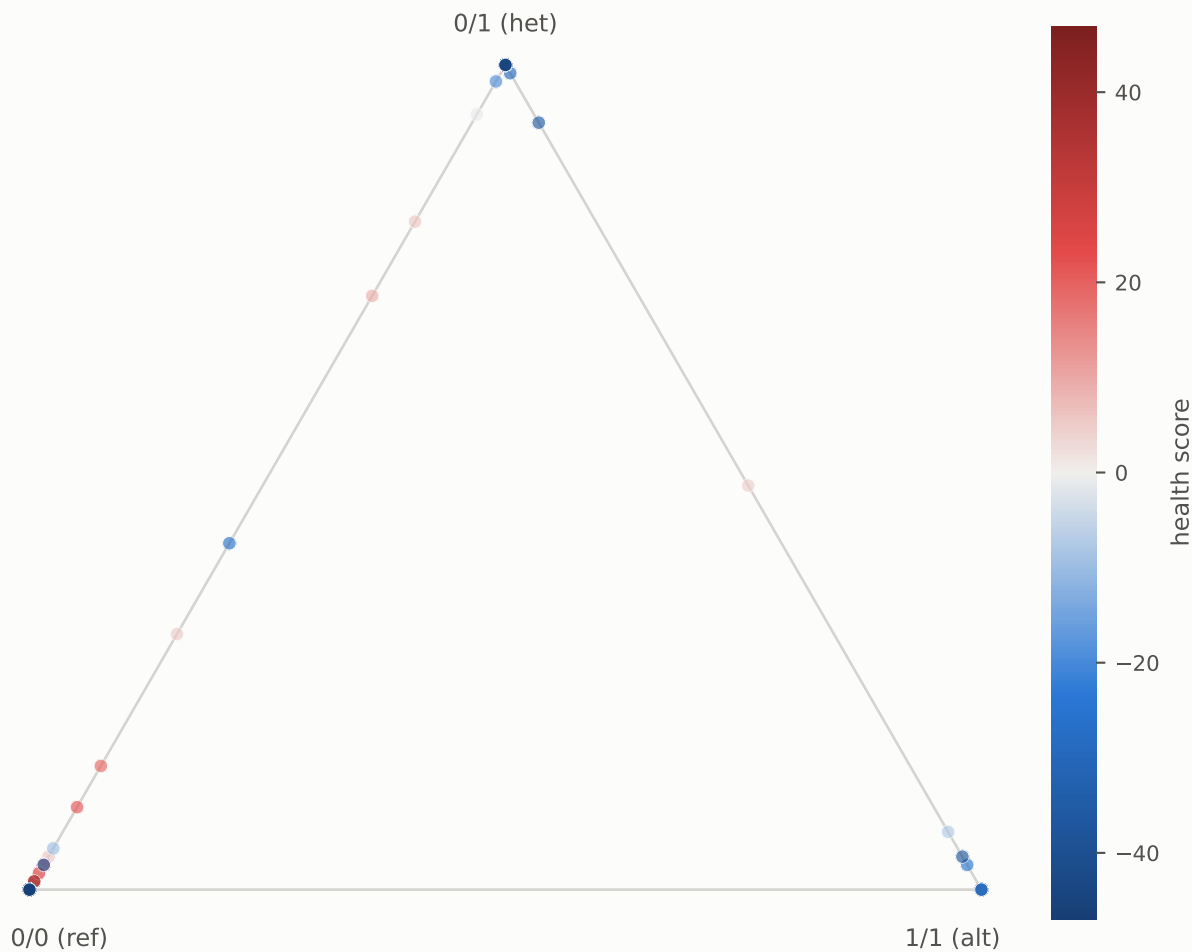
#15 by health association CHR\_22:6,872,327 G>A  
AF=0.043 DR2=0.96 r=-0.222 H=0.017 F=13.2



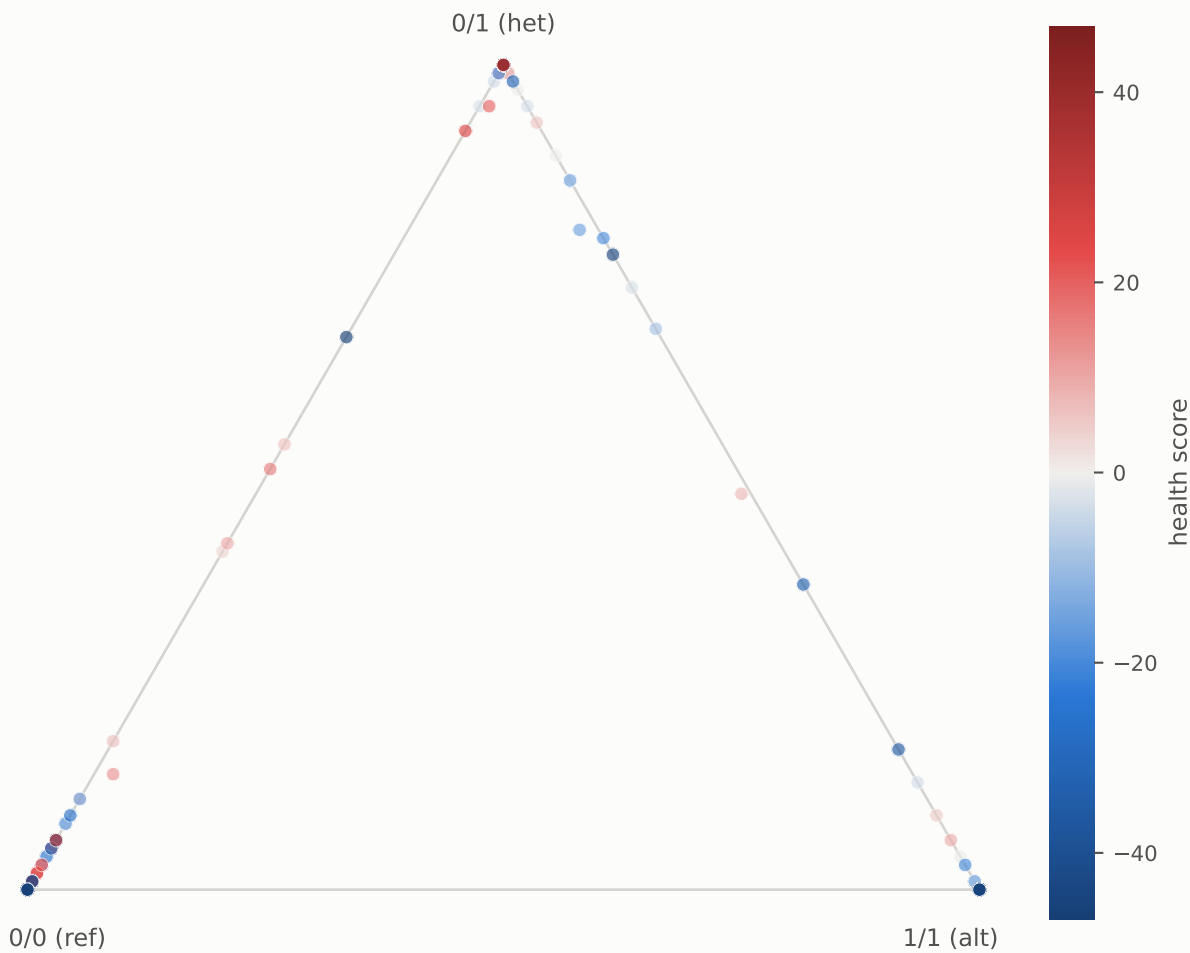
#16 by health association CHR\_01:54,352,723 C>G  
AF=0.41 DR2=0.92  $r=+0.221$  H=0.118 F=11.6



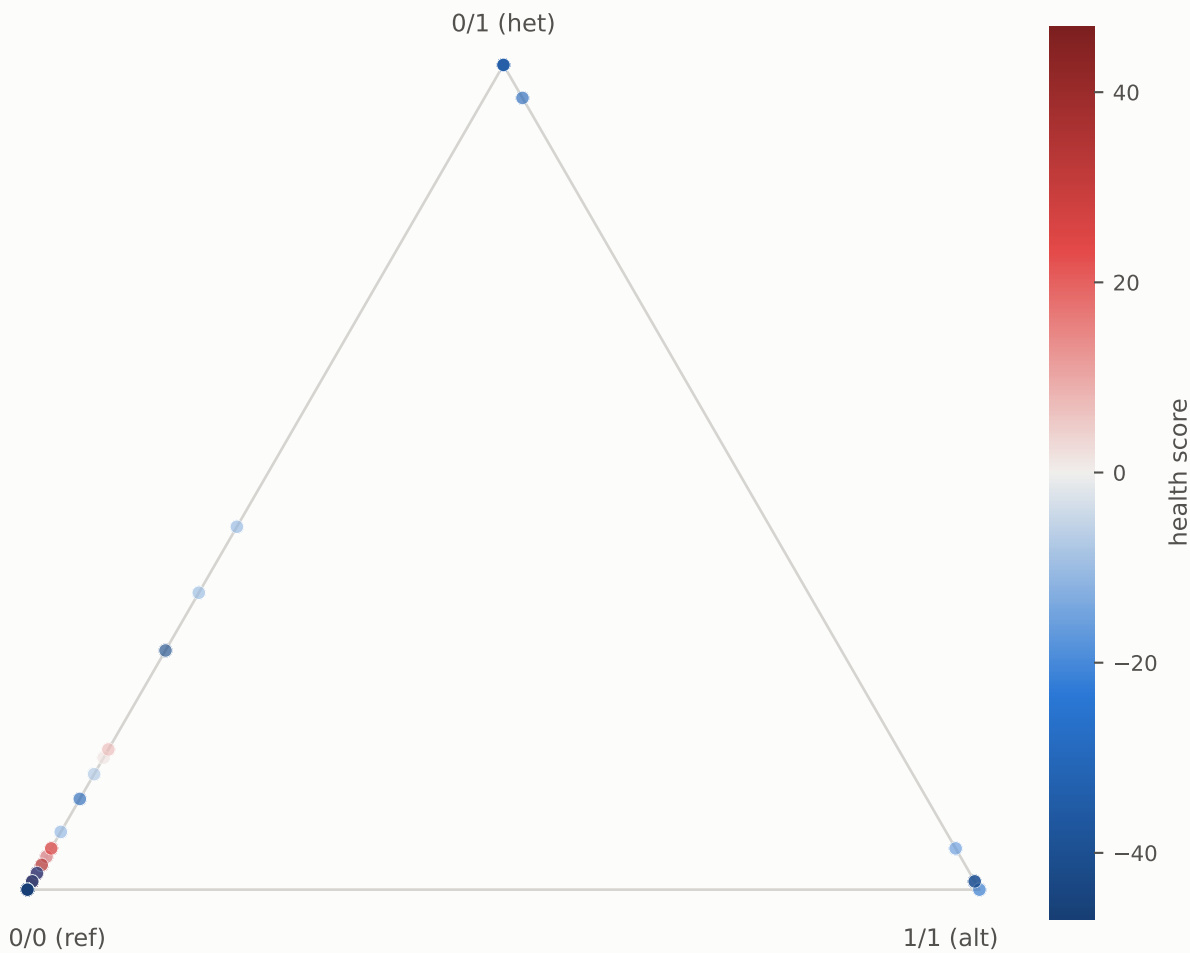
#17 by health association CHR\_23:2,464,284 G>C  
AF=0.09 DR2=0.97  $r=-0.220$   $H=0.015$   $F=10.7$



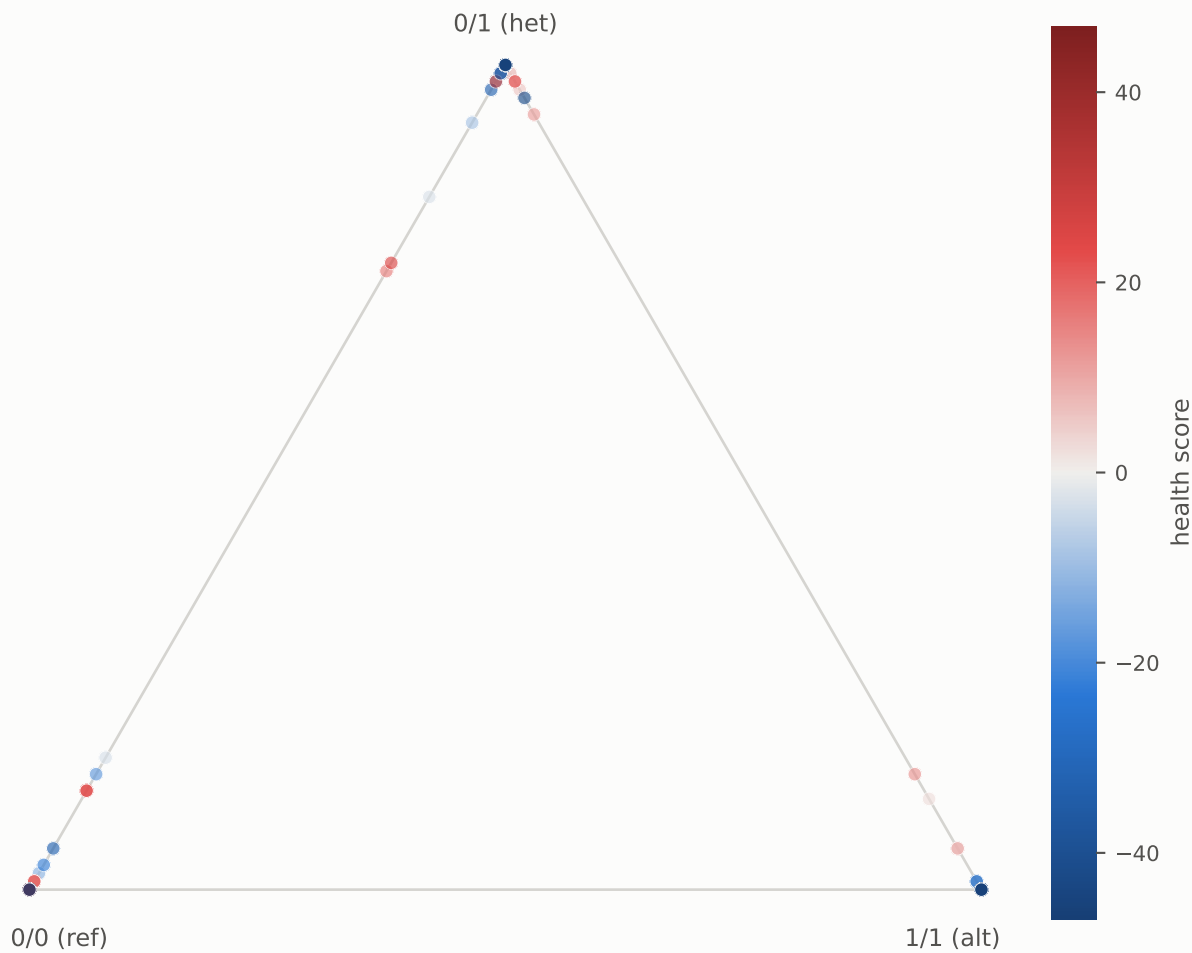
#18 by health association CHR\_11:10,773,449 G>A  
AF=0.22 DR2=0.97  $r=-0.217$  H=0.045 F=11.9



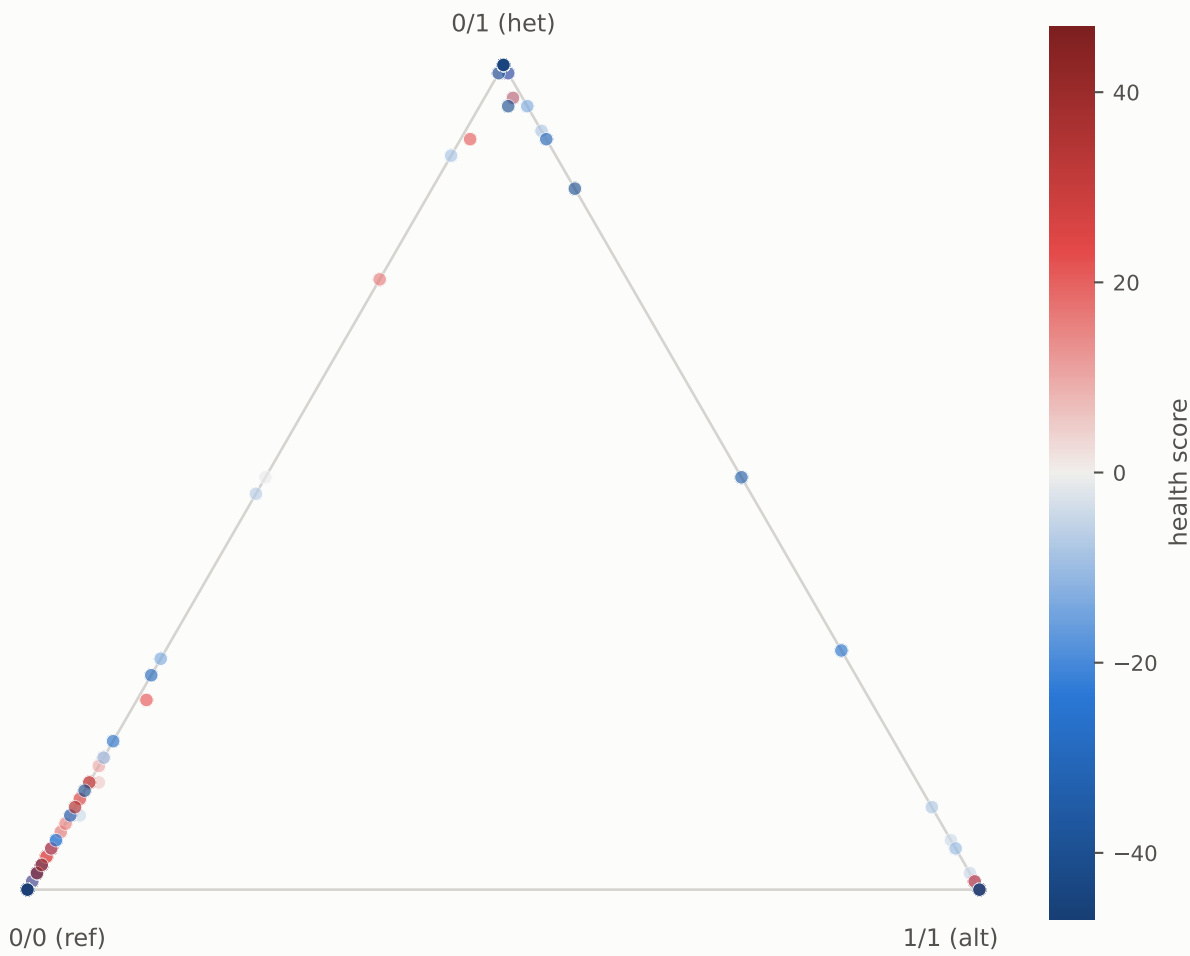
#19 by health association CHR\_01:29,381,236 G>A  
AF=0.024 DR2=0.9  $r=-0.217$  H=0.020 F=9.9



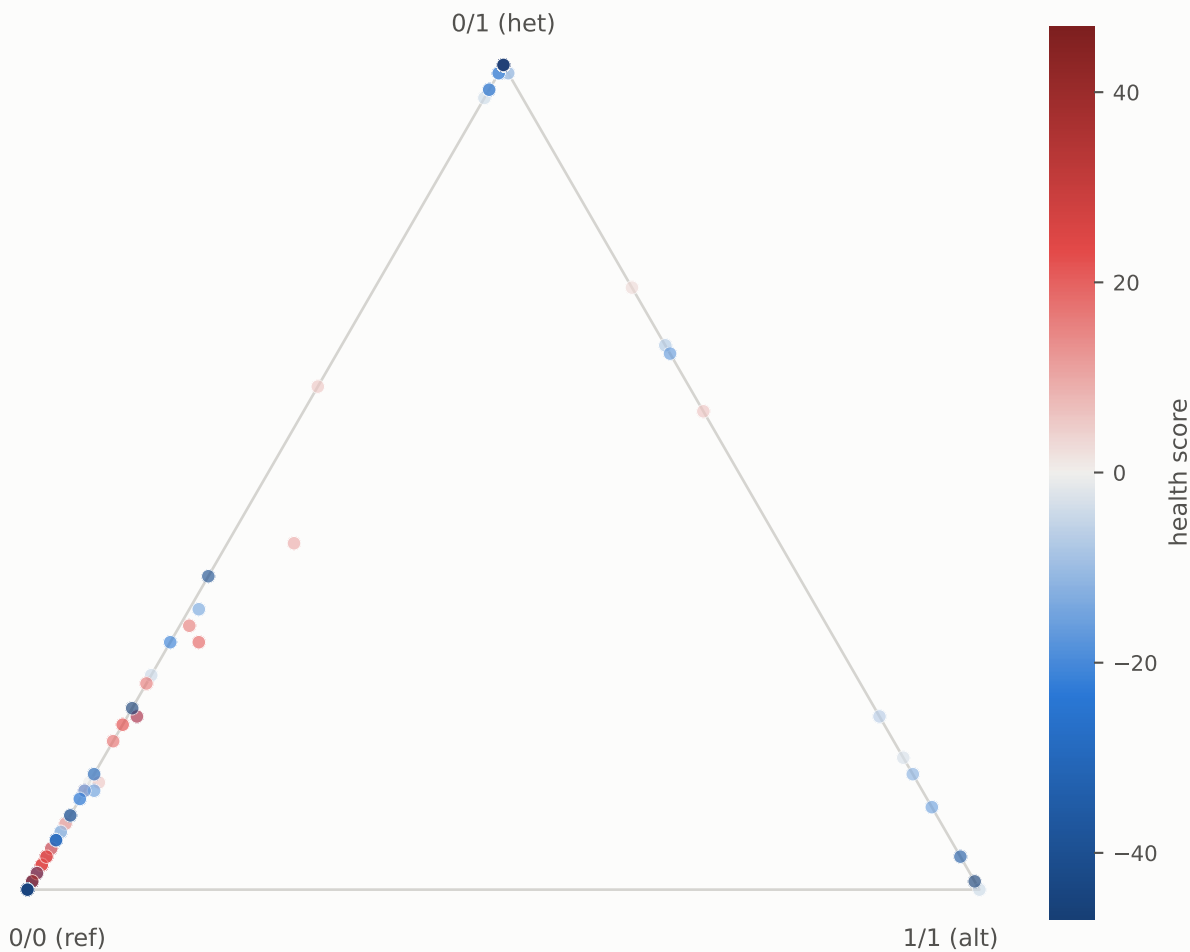
#20 by health association CHR\_13:9,260,462 A>T  
AF=0.42 DR2=0.99  $r=-0.217$   $H=0.015$   $F=12.6$



#21 by health association CHR\_10:9,158,248 C>T  
AF=0.2 DR2=0.95  $r=-0.217$   $\bar{H}=0.049$   $F=13.3$

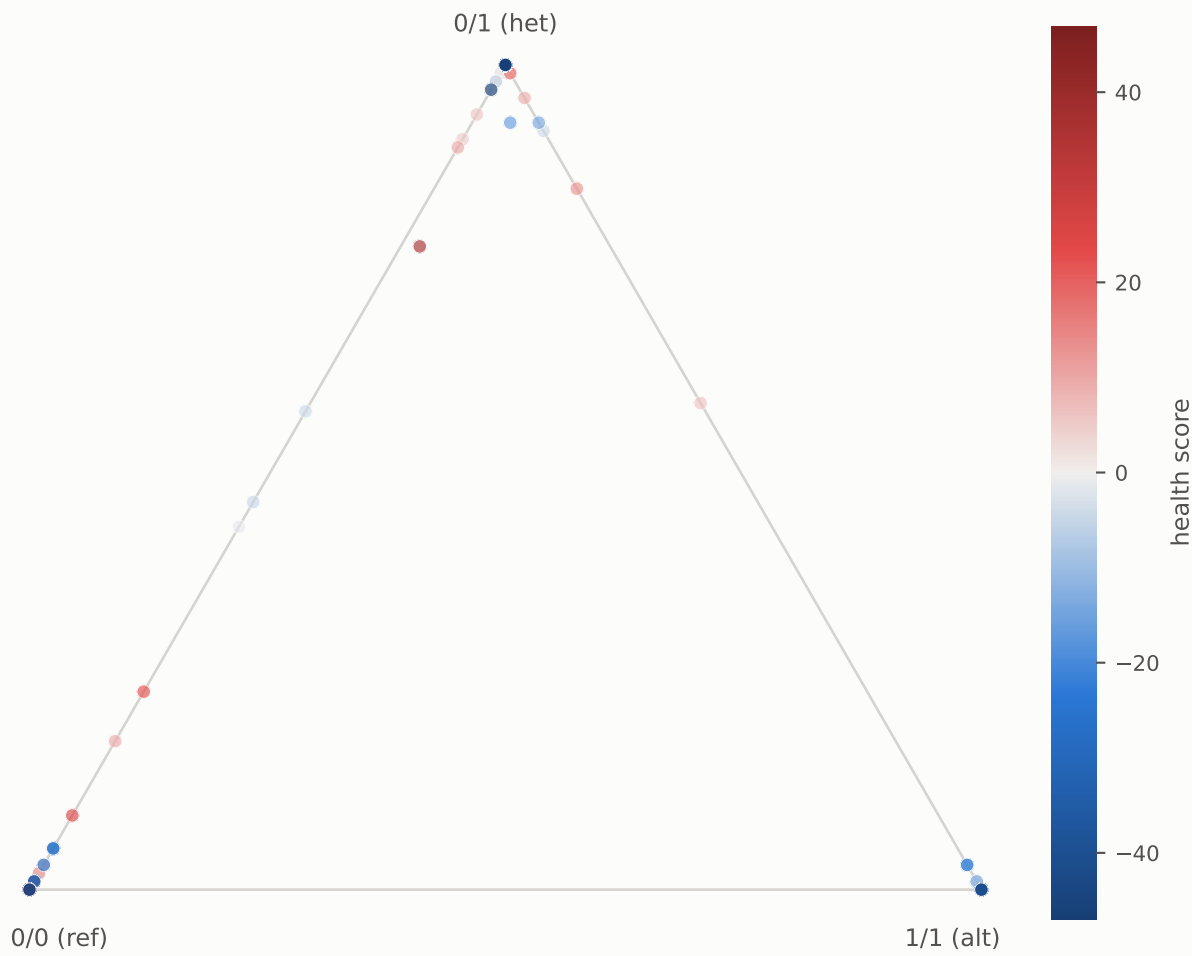


#22 by health association CHR\_20:4,505,530 G>A  
AF=0.11 DR2=0.88  $r=-0.217$   $H=0.062$   $F=10.3$

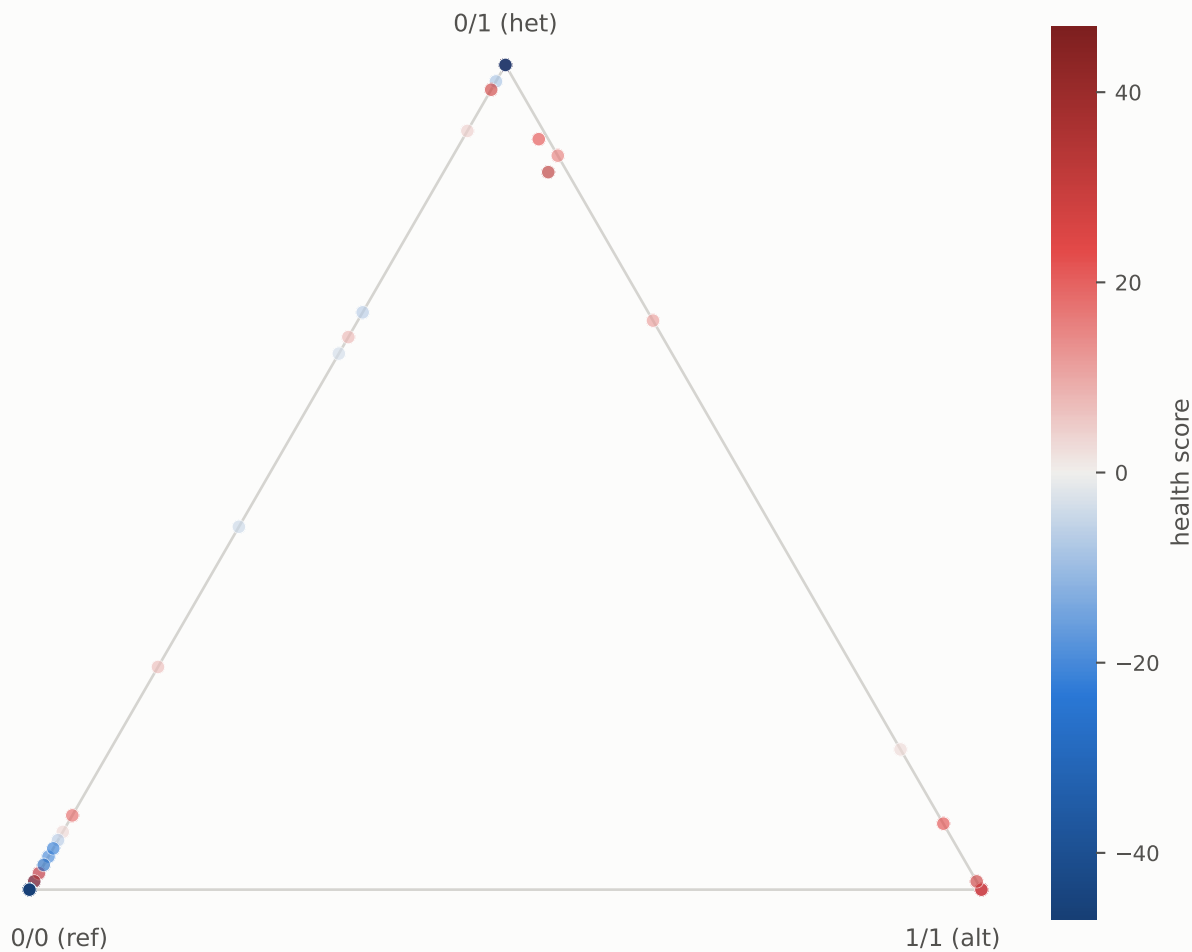




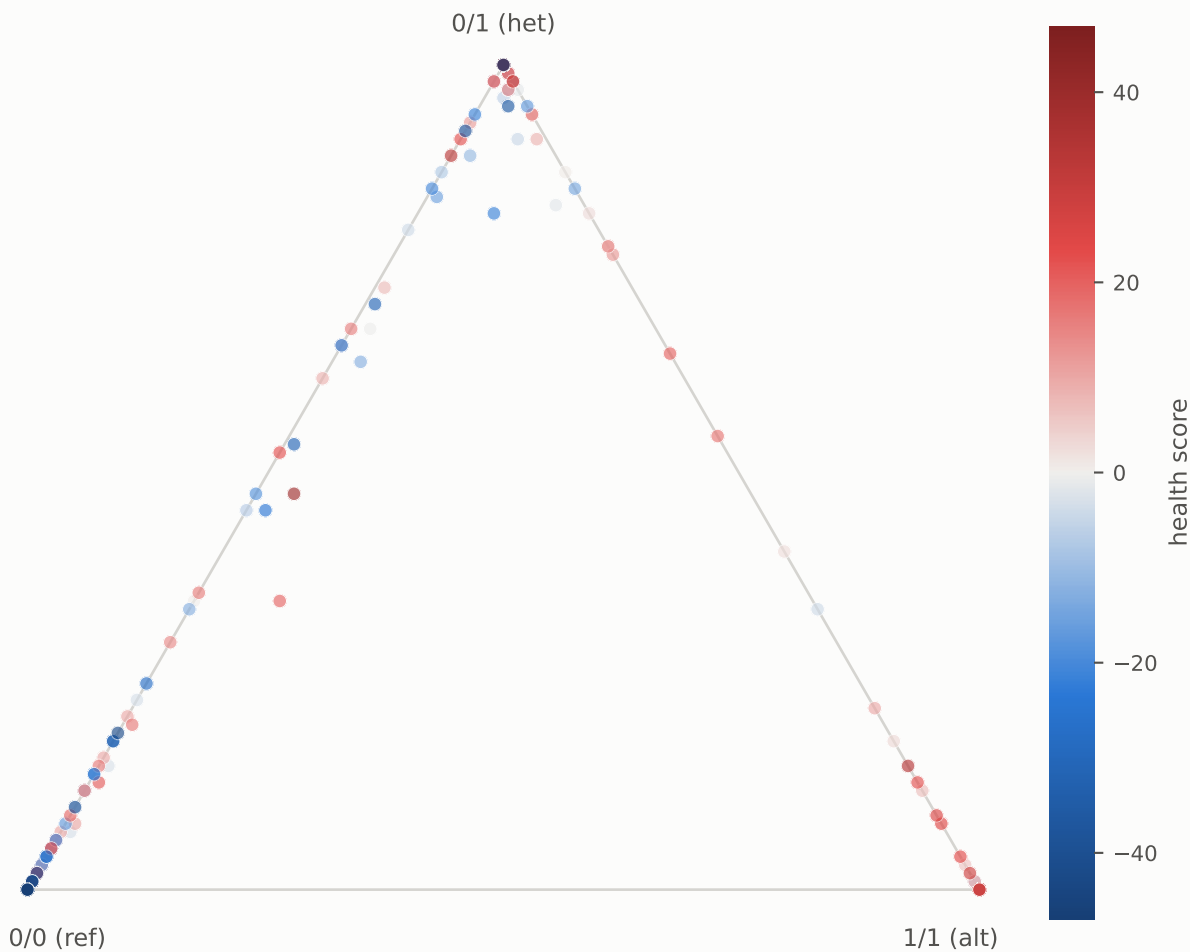
#23 by health association CHR\_15:29,584,365 C>A  
AF=0.22 DR2=0.97  $r=-0.216$  H=0.022 F=11.0



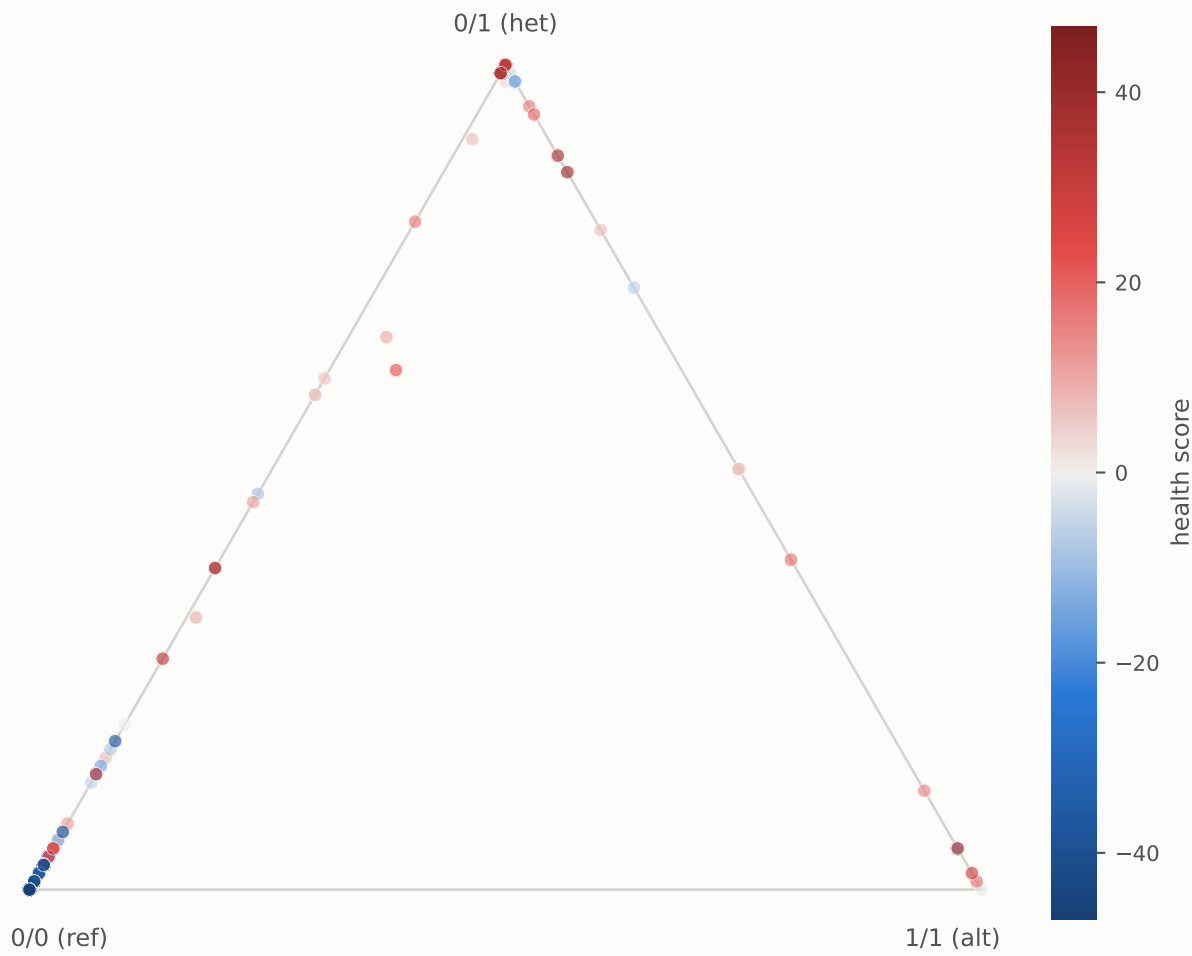
#24 by health association CHR\_22:4,062,001 C>T  
AF=0.1 DR2=0.97  $r=+0.216$   $\bar{H}=0.018$   $F=10.5$



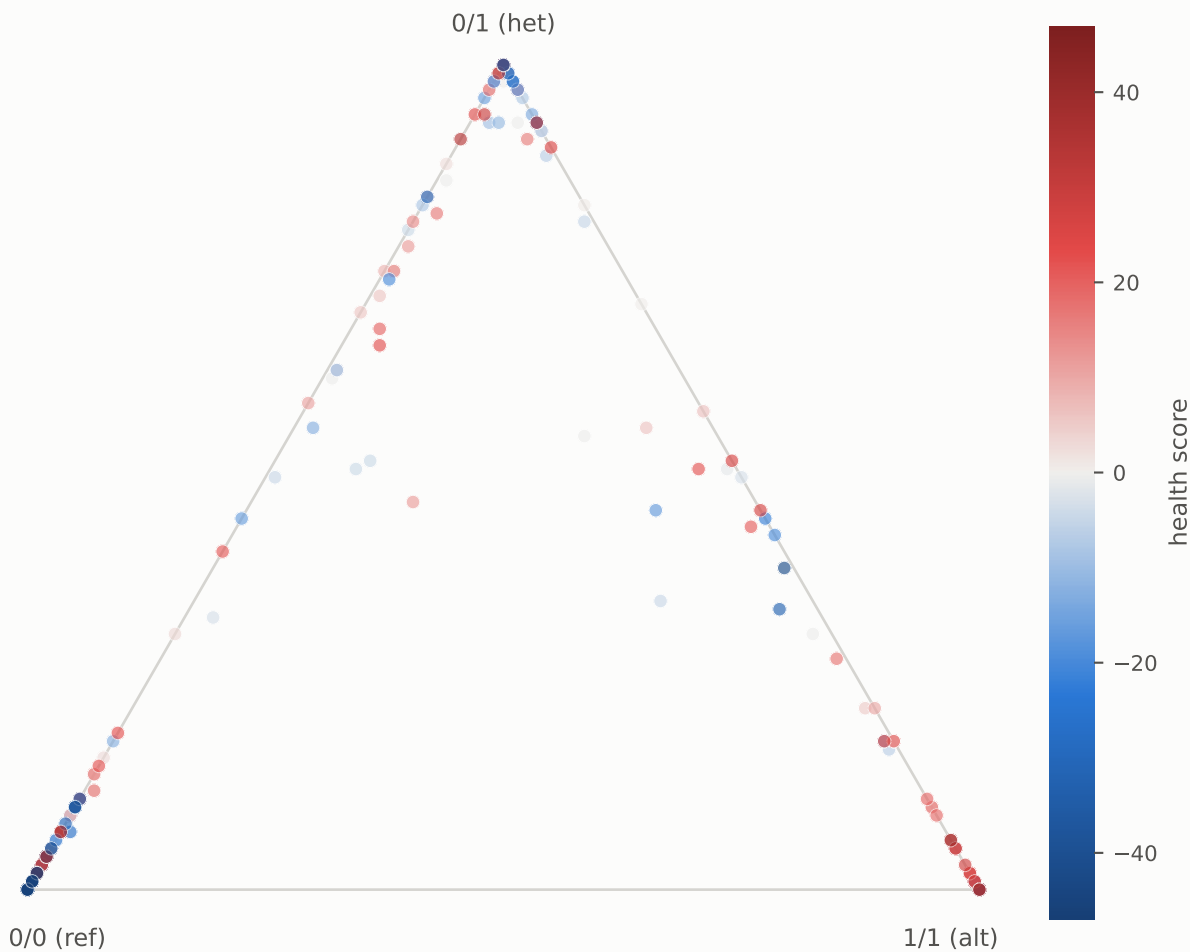
#25 by health association CHR\_03:38,584,591 C>T  
AF=0.23 DR2=0.9 r=+0.216 H=0.100 F=10.0



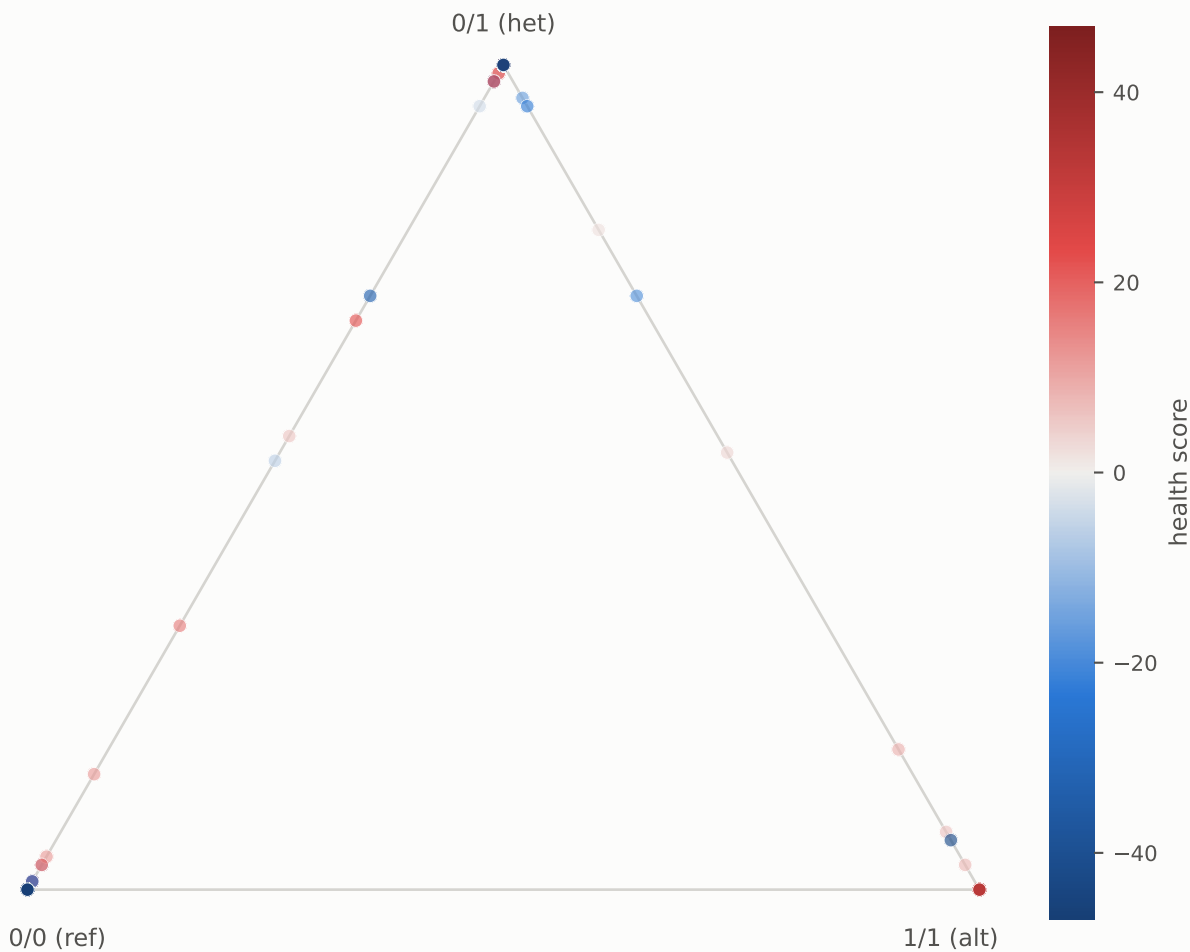
#26 by health association CHR\_19:4,412,225 G>A  
AF=0.068 DR2=0.88  $r=+0.215$  H=0.075 F=10.5



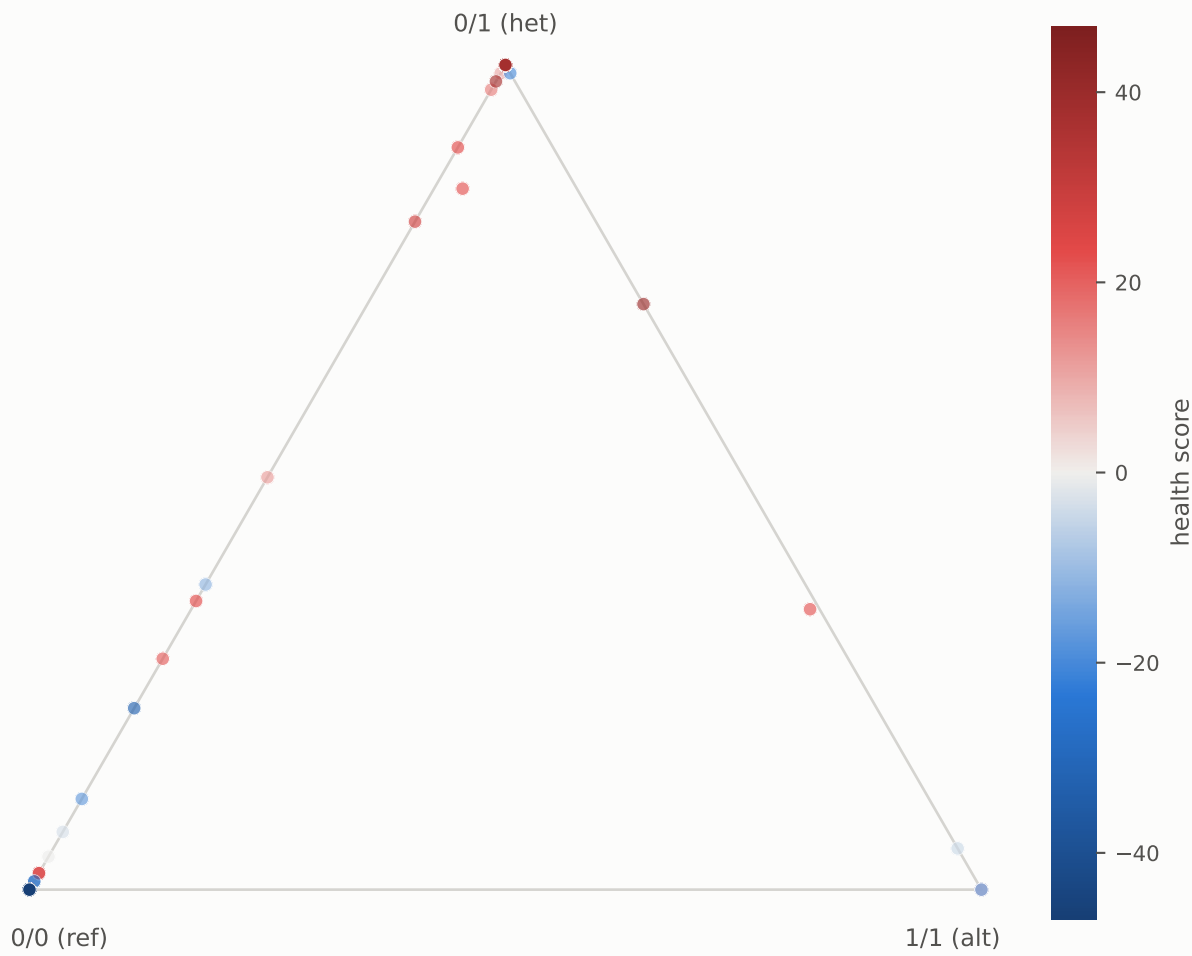
#27 by health association CHR\_09:4,701,020 T>A  
AF=0.28 DR2=0.9  $r=+0.215$   $\bar{H}=0.144$  F=10.1



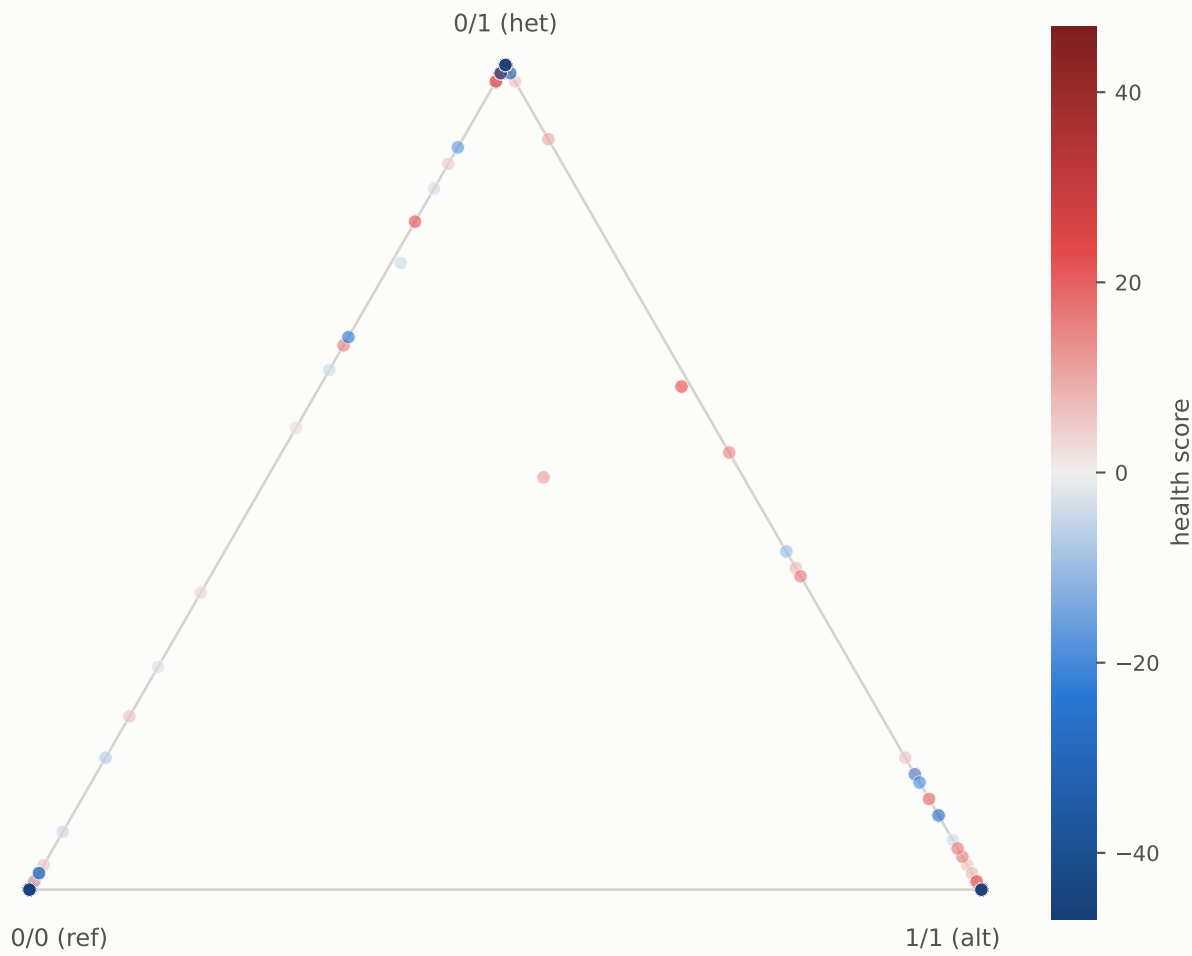
#28 by health association CHR\_01:9,506,218 A>G  
AF=0.24 DR2=0.98 r=+0.215 H=0.019 F=10.7



#29 by health association CHR\_07:24,662,371 C>T  
AF=0.088 DR2=0.97  $r=+0.215$  H=0.017 F=12.8

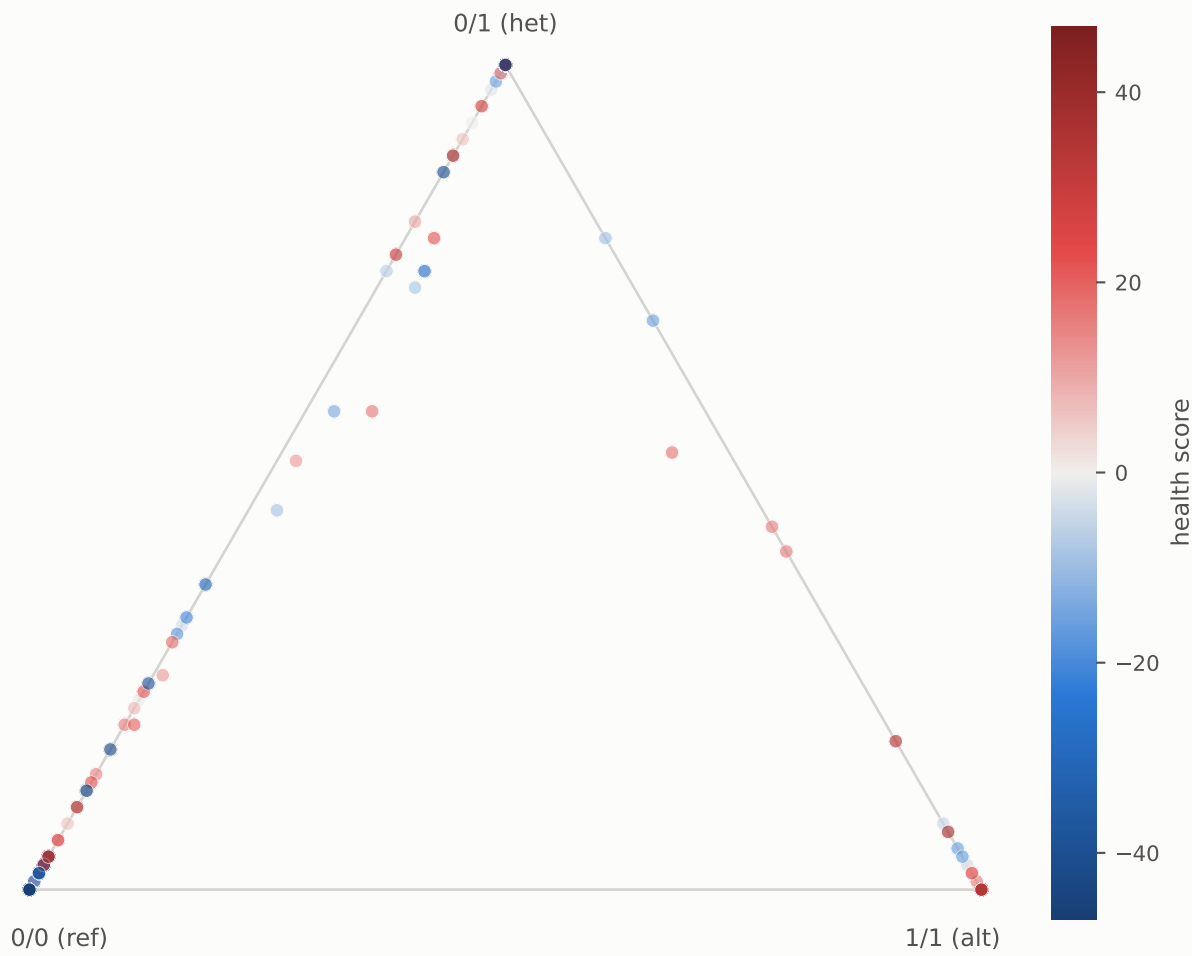


#30 by health association CHR\_16:9,598,321 C>T  
AF=0.49 DR2=0.97 r=+0.214 H=0.037 F=10.9

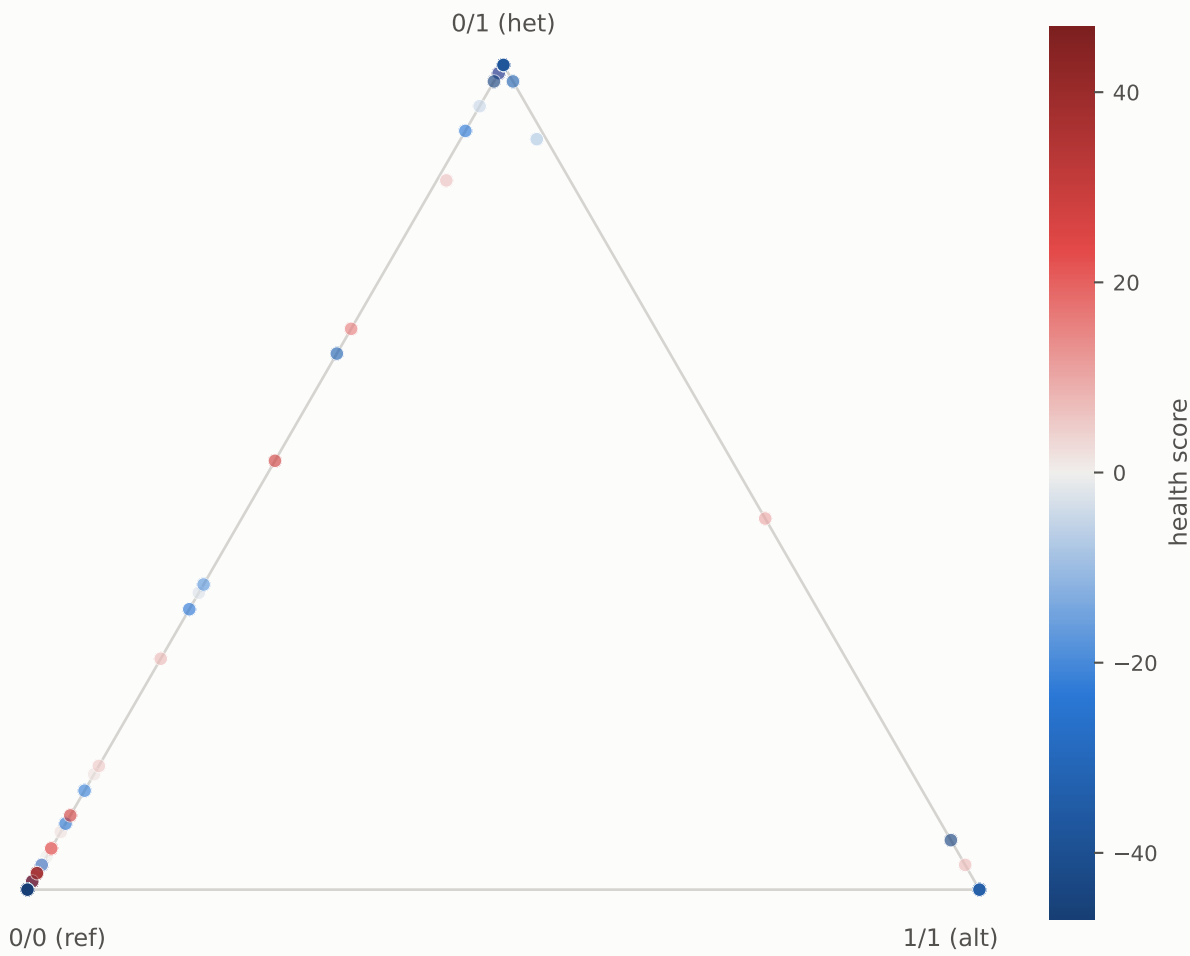




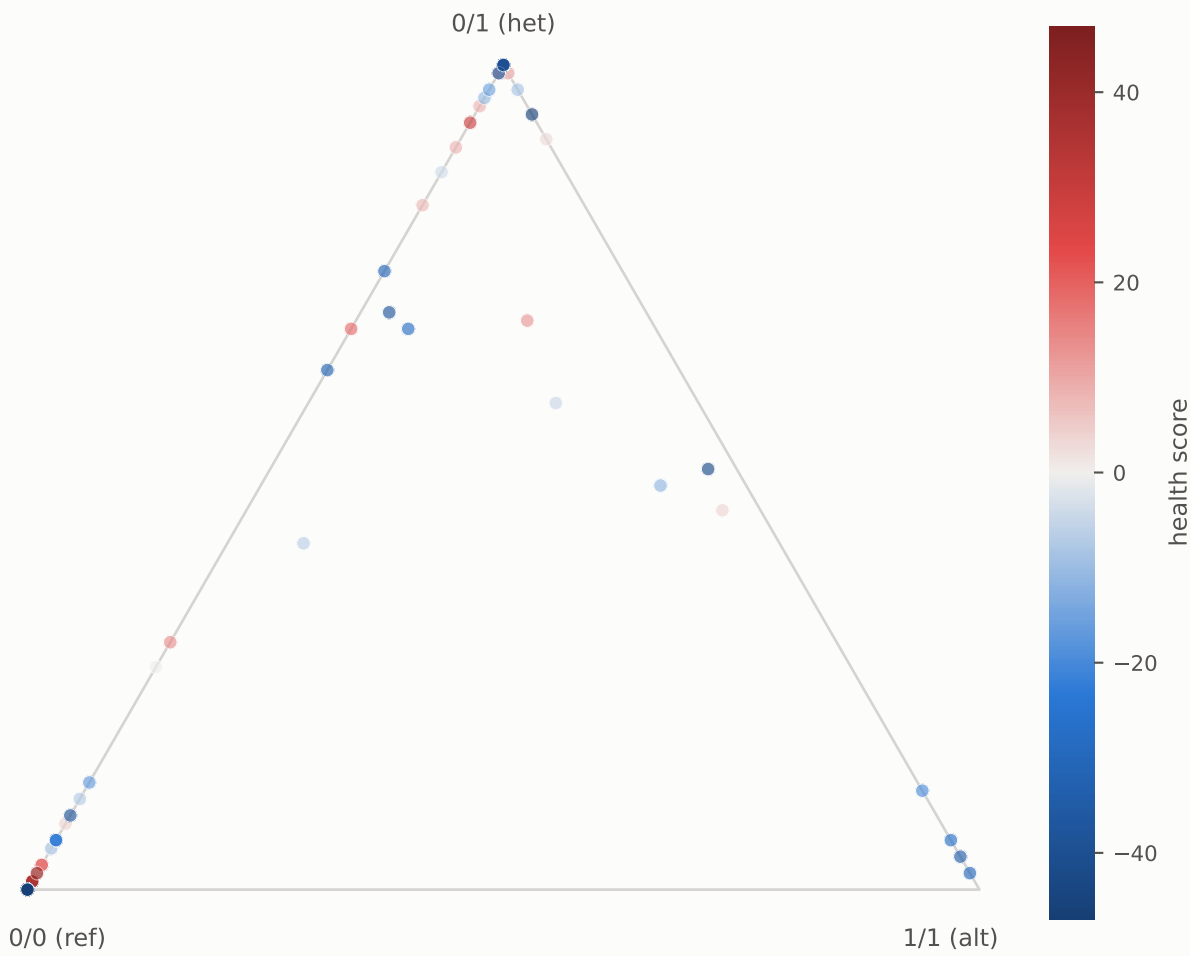
#31 by health association CHR\_14:17,022,092 T>C  
AF=0.18 DR2=0.93 r=+0.214 H=0.065 F=11.3



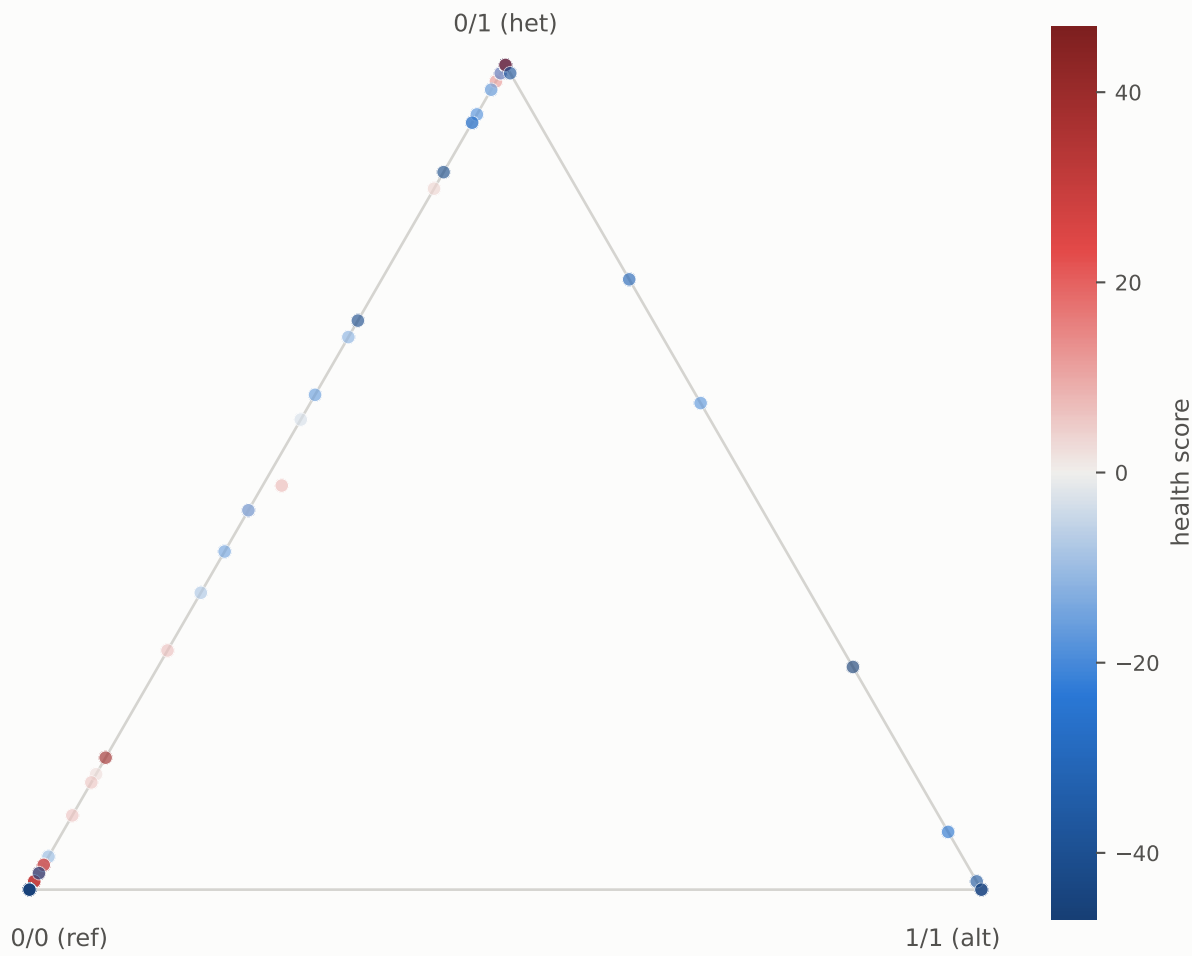
#32 by health association CHR\_16:28,723,576 C>A  
AF=0.057 DR2=0.94  $r=-0.213$  H=0.029 F=9.6



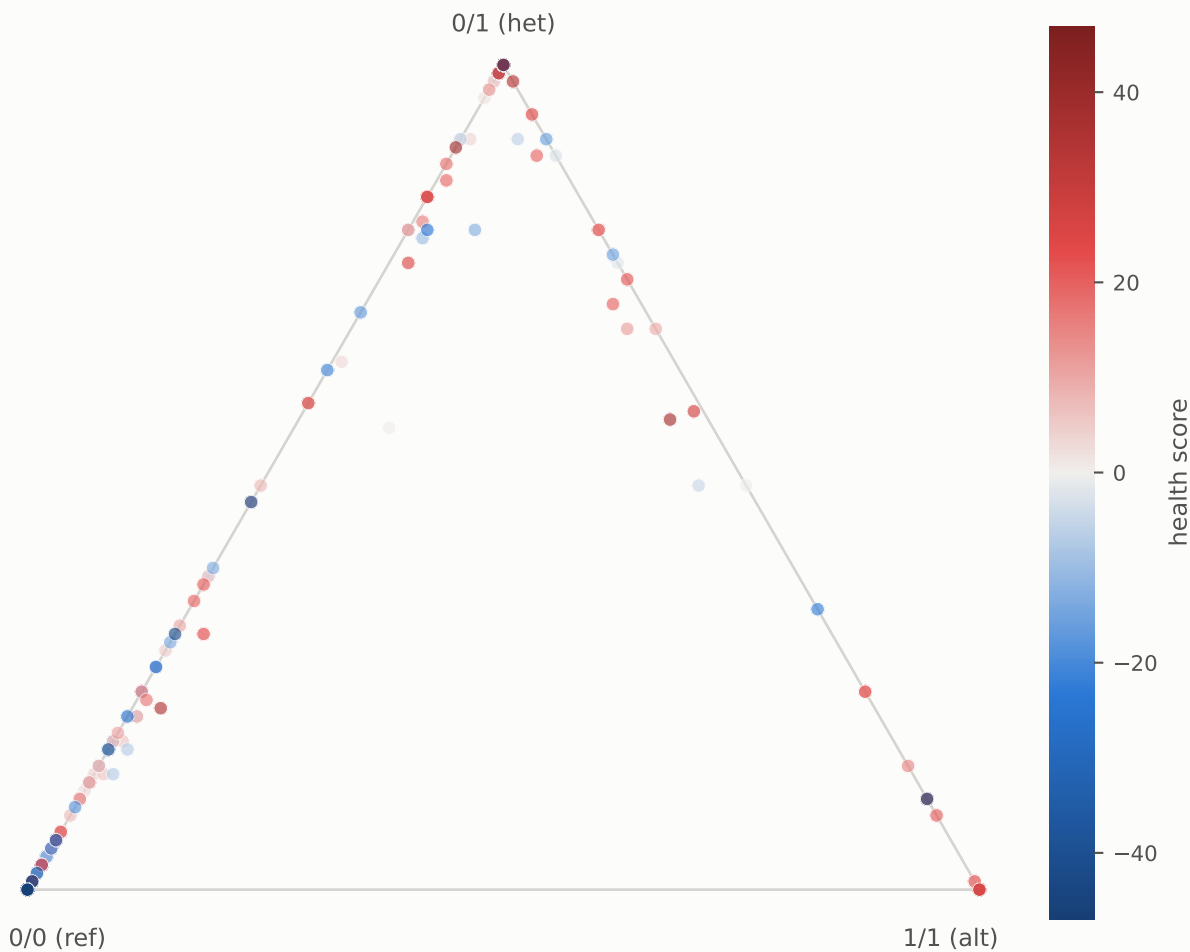
#33 by health association CHR\_16:24,261,061 G>A  
AF=0.067 DR2=0.91  $r=-0.213$  H=0.040 F=10.2



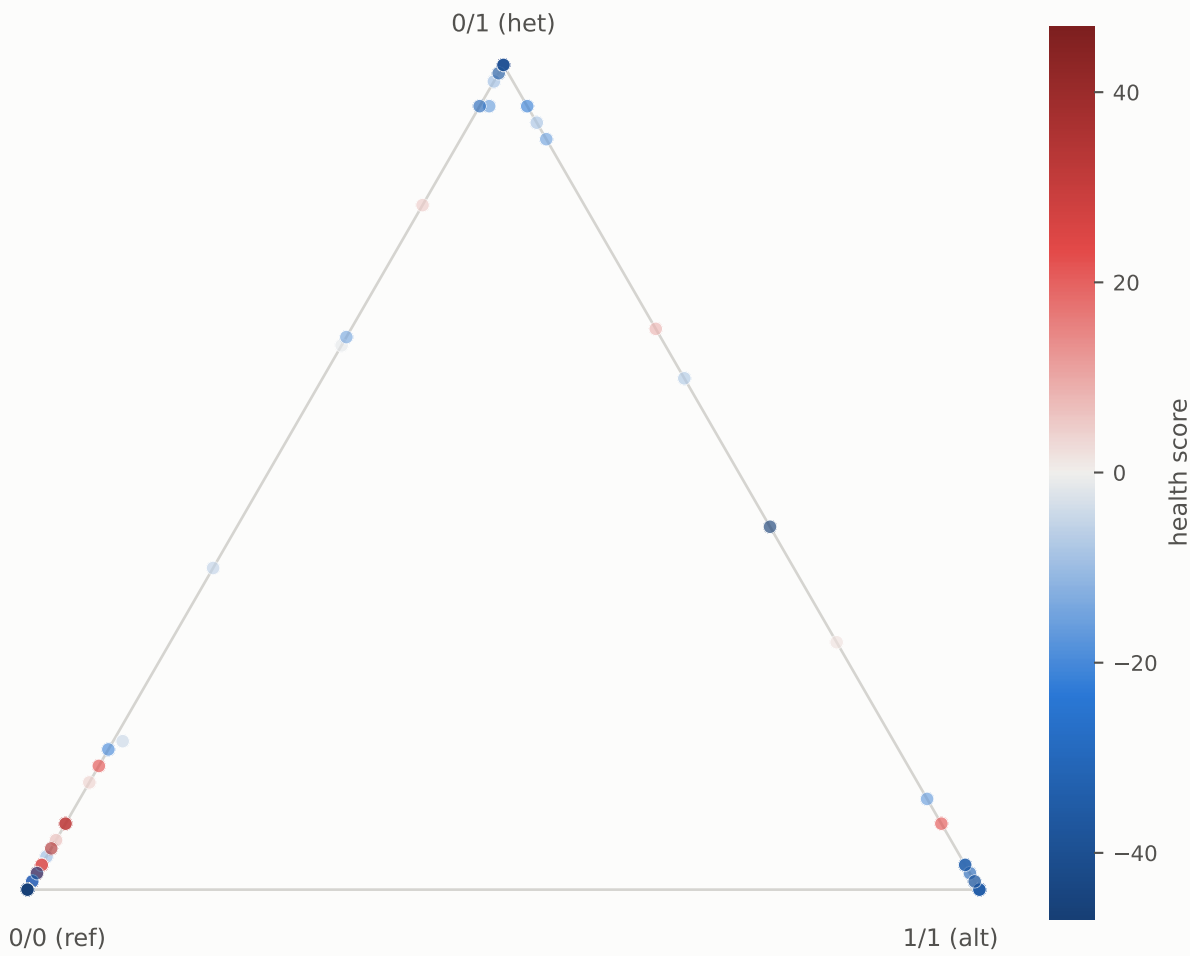
#34 by health association CHR\_08:5,796,007 C>T  
AF=0.067 DR2=0.94  $r=-0.213$  H=0.032 F=13.5



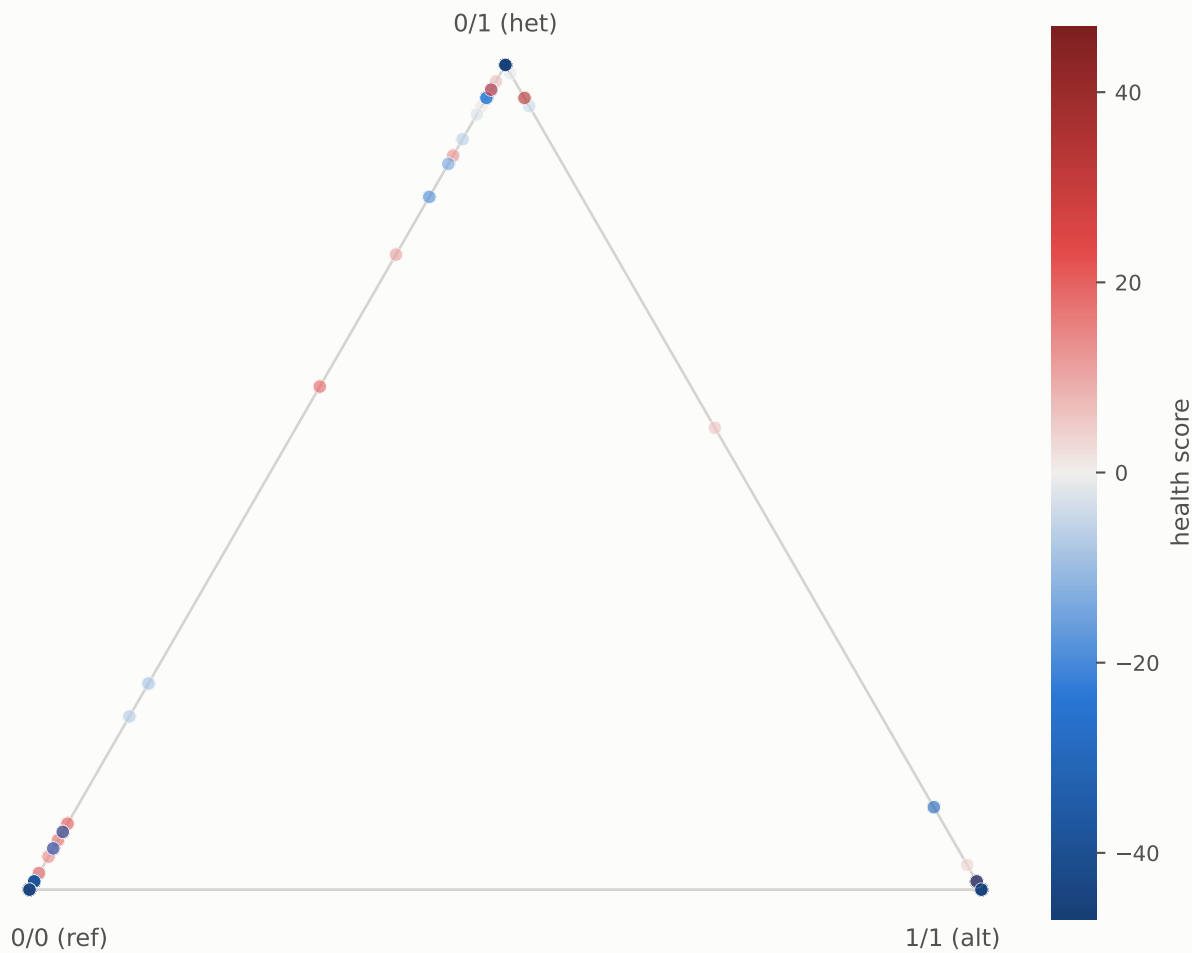
#35 by health association CHR\_16:27,685,011 G>A  
AF=0.18 DR2=0.87  $r=+0.213$  H=0.123 F=9.9



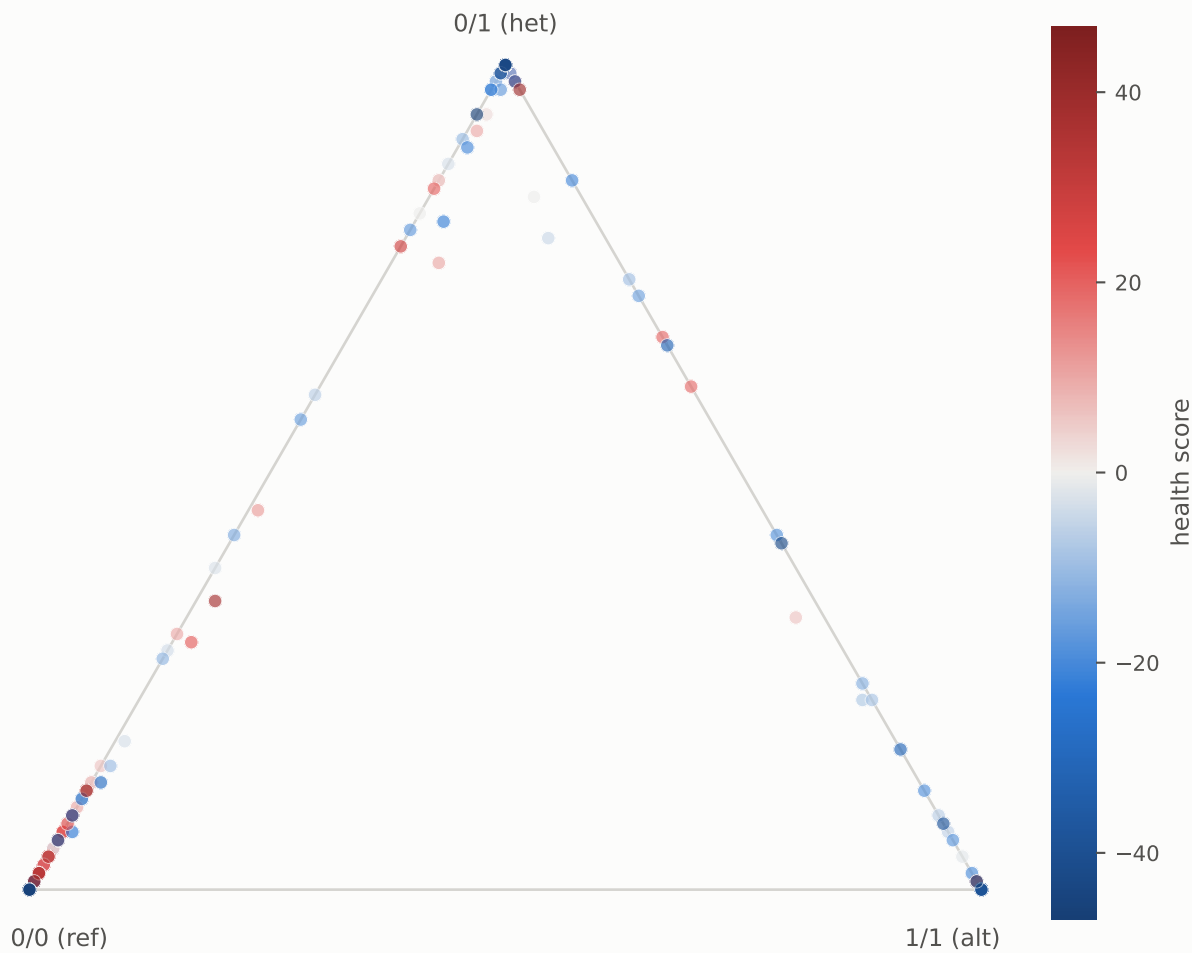
#36 by health association CHR\_23:2,453,885 A>G  
AF=0.099 DR2=0.96 r=-0.213 H=0.028 F=11.2



#37 by health association CHR\_05:29,917,739 G>T  
AF=0.13 DR2=0.97  $r=-0.213$  H=0.021 F=11.4

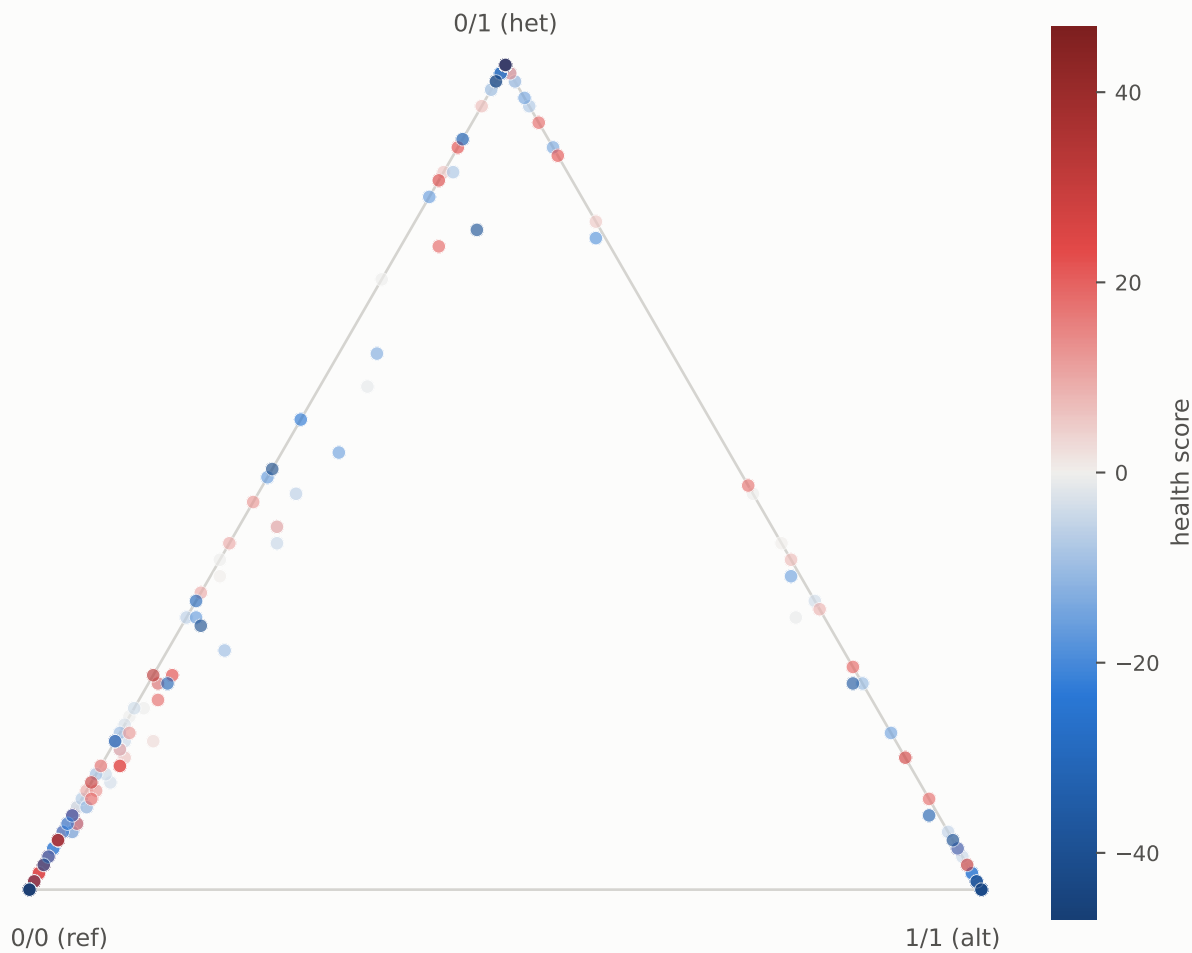


#38 by health association CHR\_16:4,964,033 T>C  
AF=0.26 DR2=0.93  $r=-0.213$   $\bar{H}=0.082$   $F=13.1$

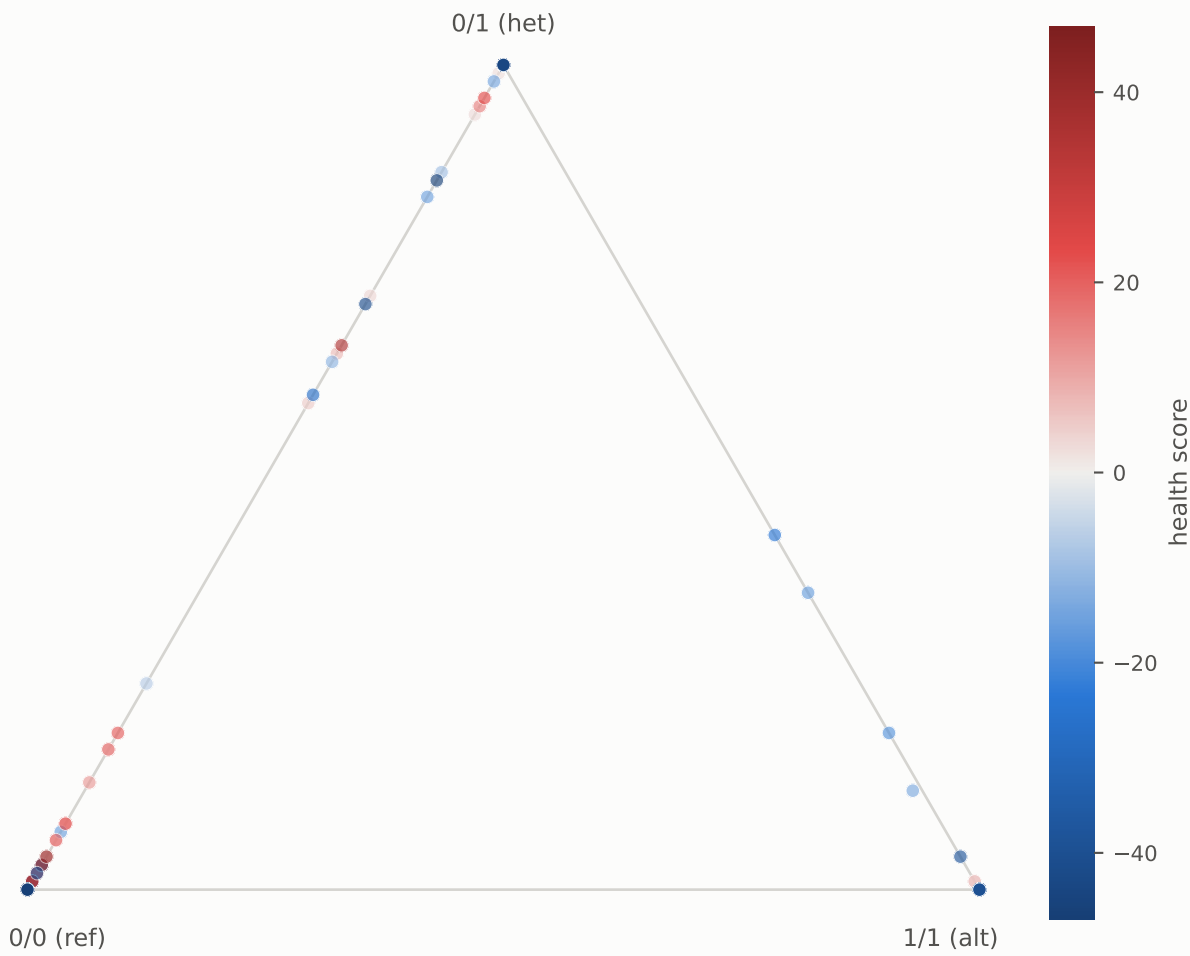




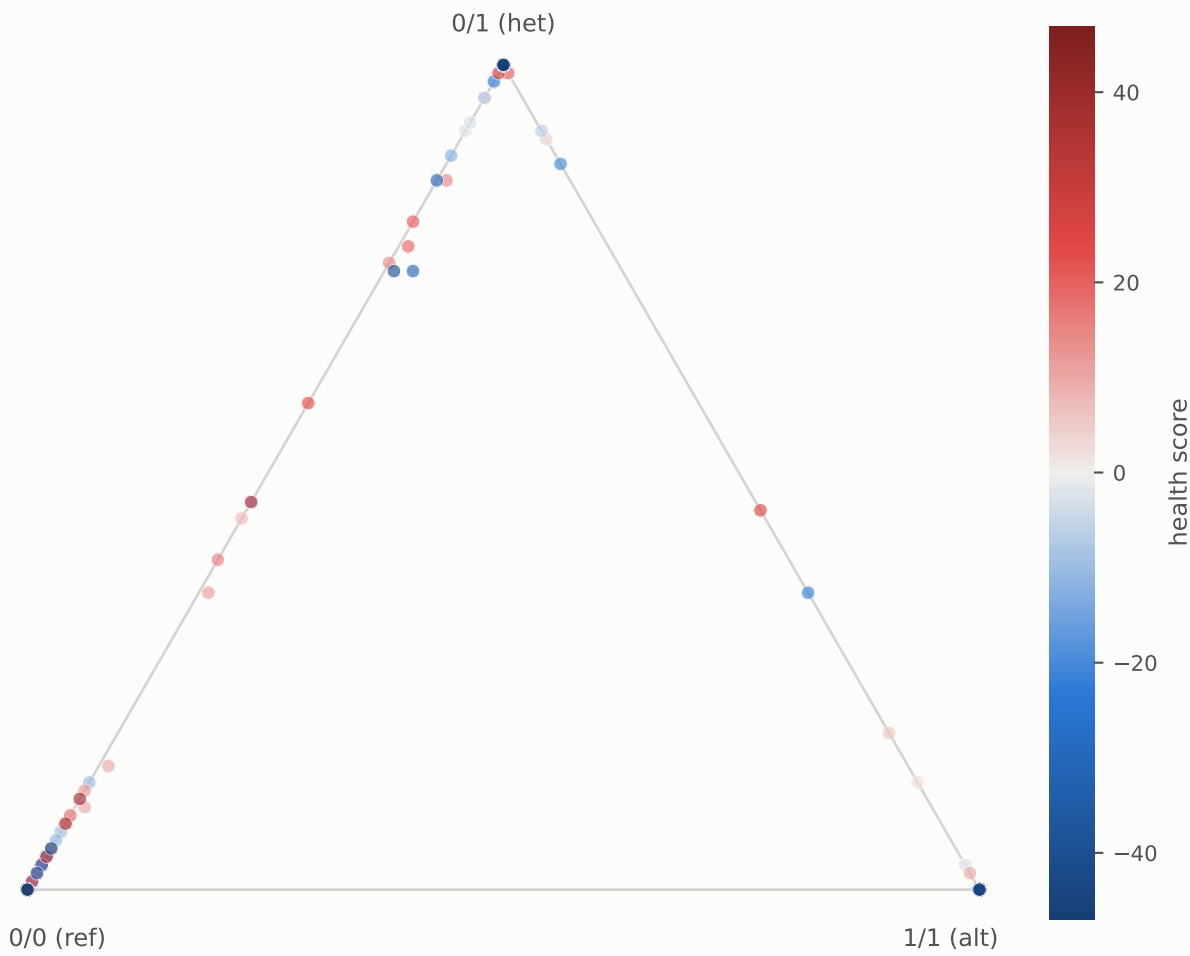
#39 by health association CHR\_21:22,318,321 T>C  
AF=0.22 DR2=0.89 r=-0.213 H=0.149 F=10.4



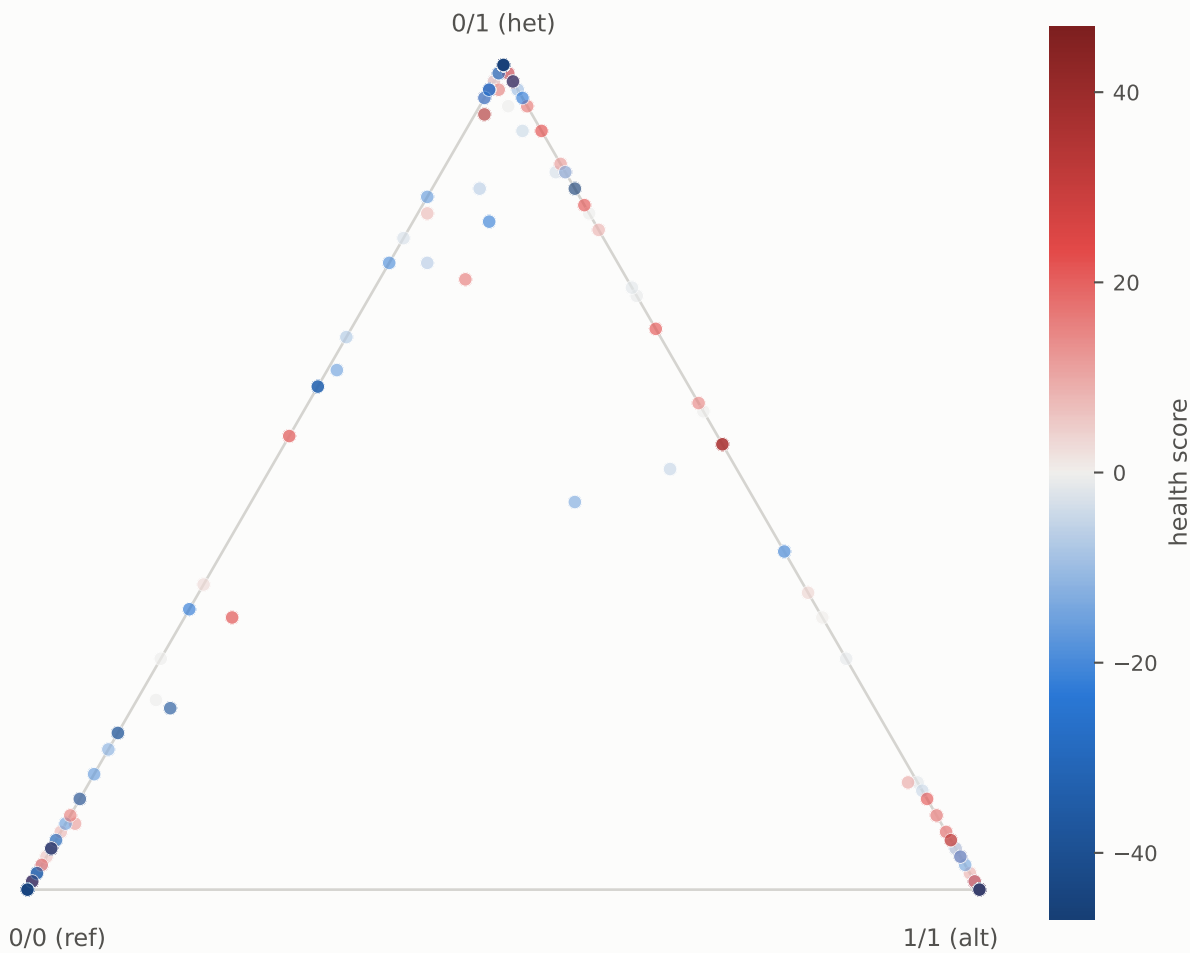
#40 by health association CHR\_19:5,130,594 G>A  
AF=0.11 DR2=0.96  $r=-0.212$   $H=0.033$   $F=11.4$



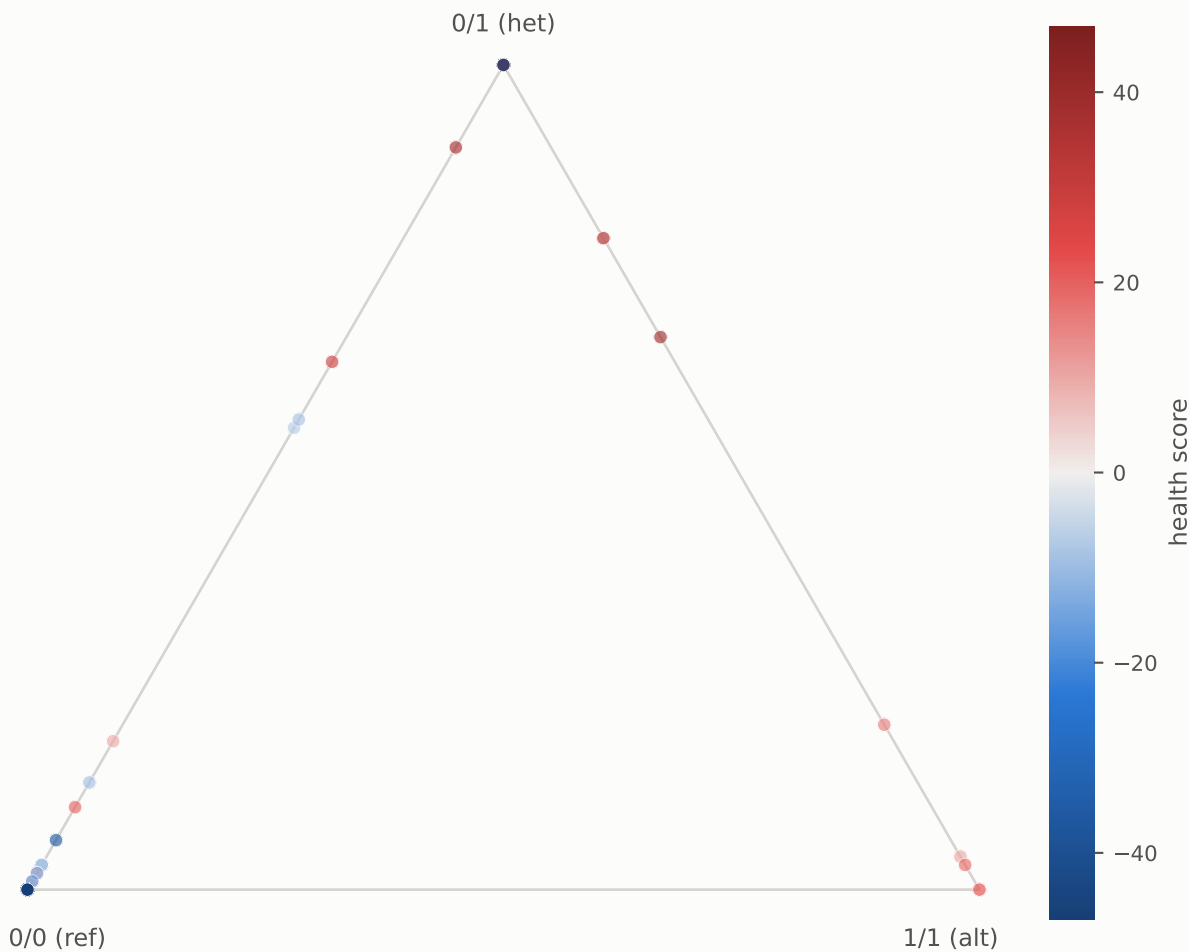
#41 by health association CHR\_01:4,733,164 A>G  
AF=0.21 DR2=0.95  $r=-0.212$   $H=0.044$   $F=10.6$



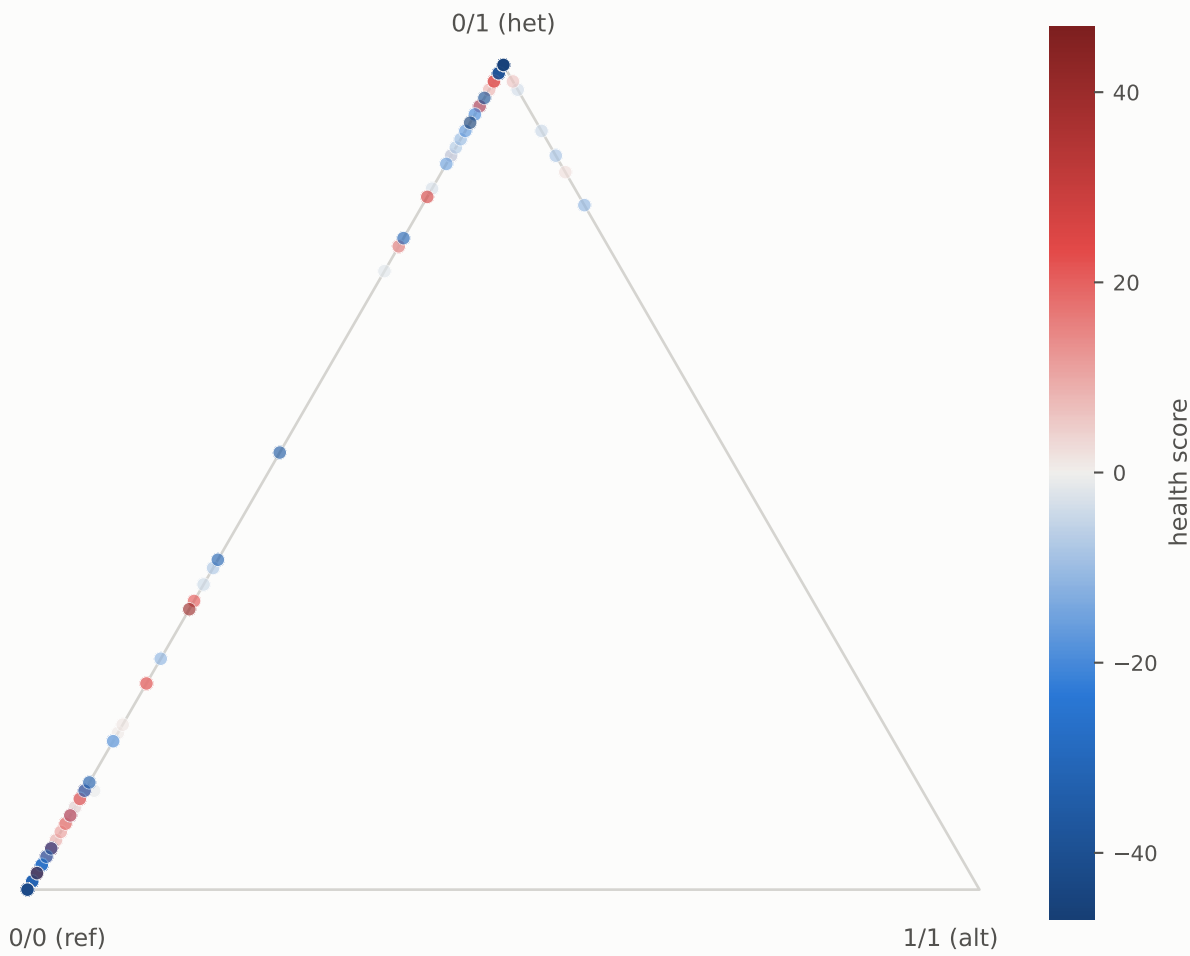
#42 by health association CHR\_02:14,133,778 T>A  
AF=0.44 DR2=0.94 r=+0.212 H=0.090 F=10.1



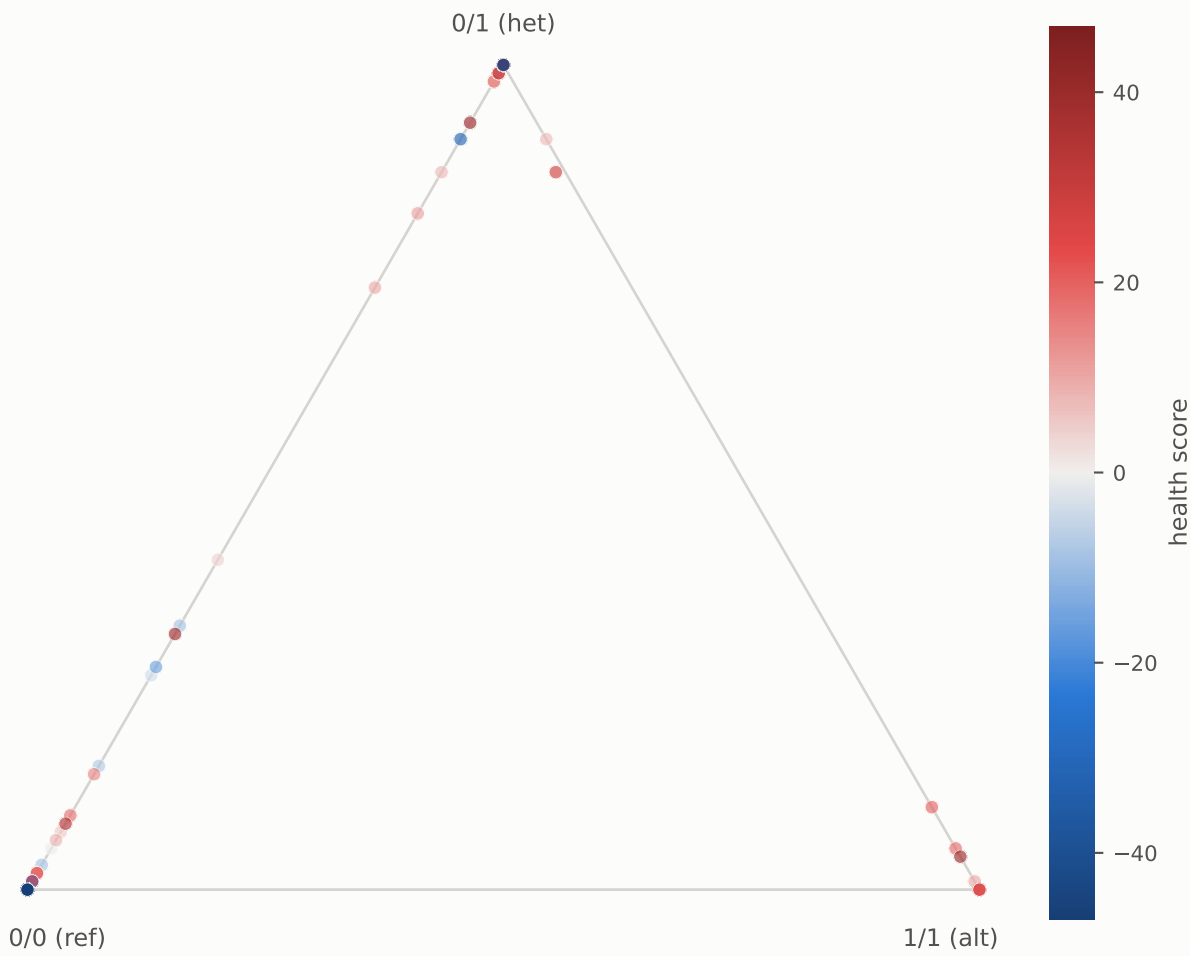
#43 by health association CHR\_16:15,275,589 T>C  
AF=0.06 DR2=0.96 r=+0.212 H=0.016 F=16.0



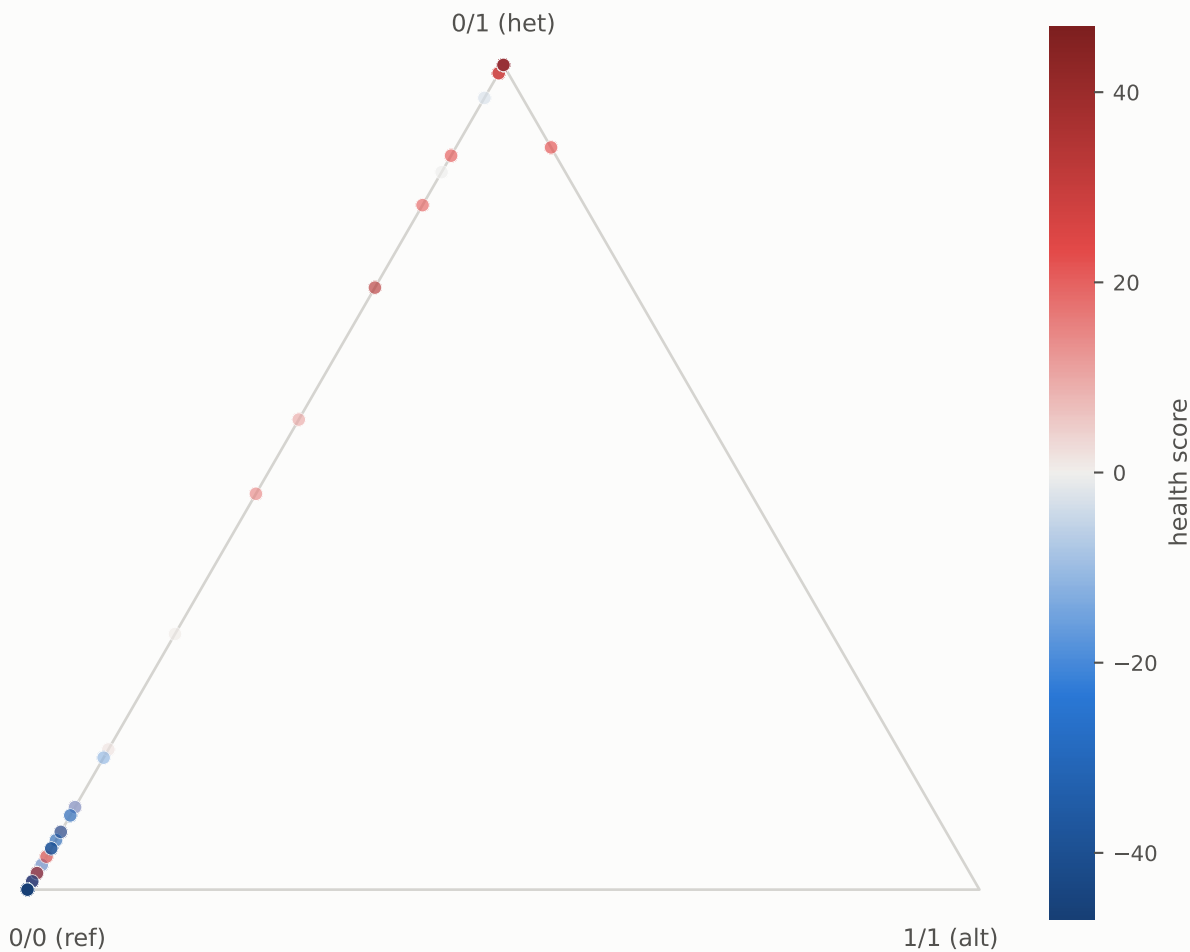
#44 by health association CHR\_01:4,796,694 T>C  
AF=0.073 DR2=0.83  $r=-0.212$  H=0.067 F=21.2



#45 by health association CHR\_16:15,250,365 C>T  
AF=0.099 DR2=0.96  $r=+0.212$  H=0.023 F=10.7

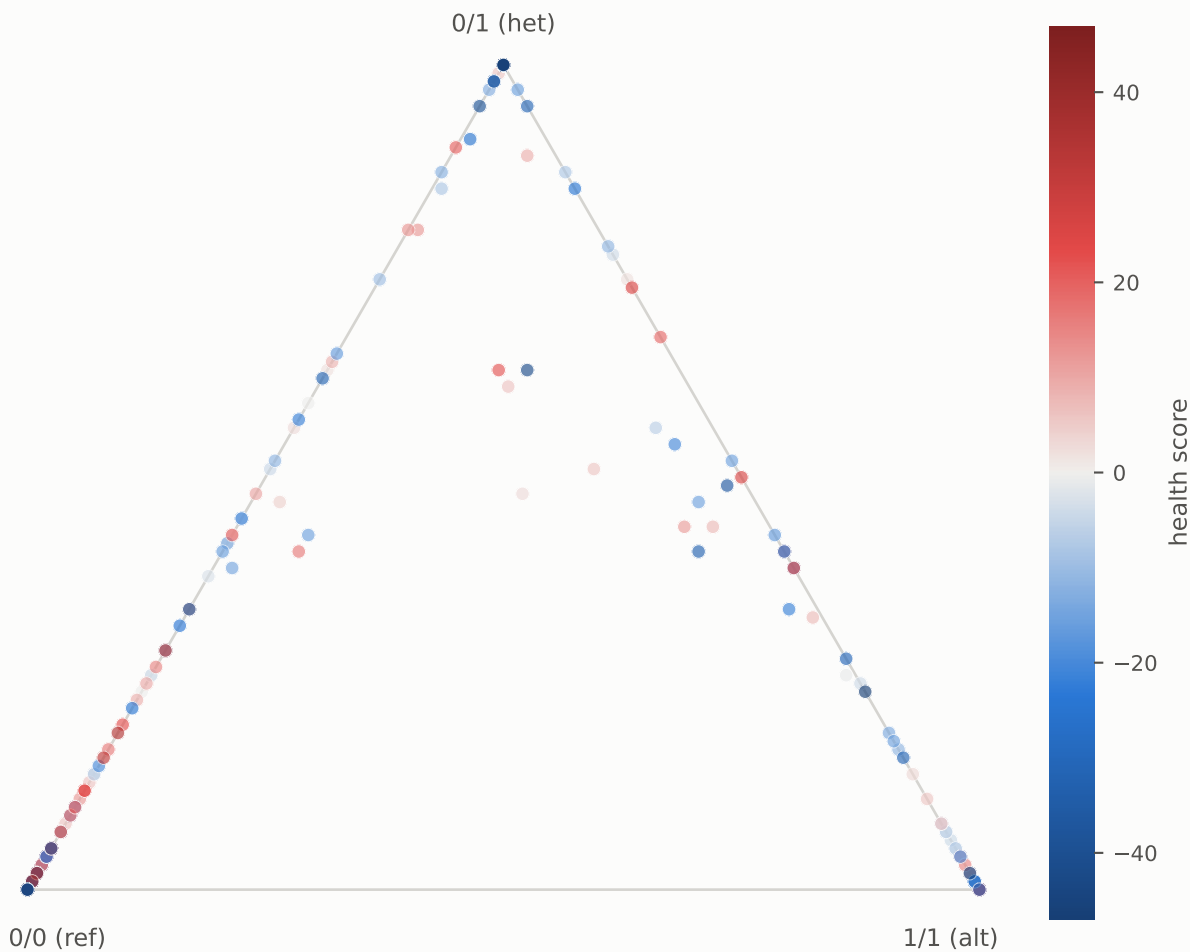


#46 by health association CHR\_15:20,213,973 A>G  
AF=0.051 DR2=0.92  $r=+0.211$  H=0.026 F=21.8

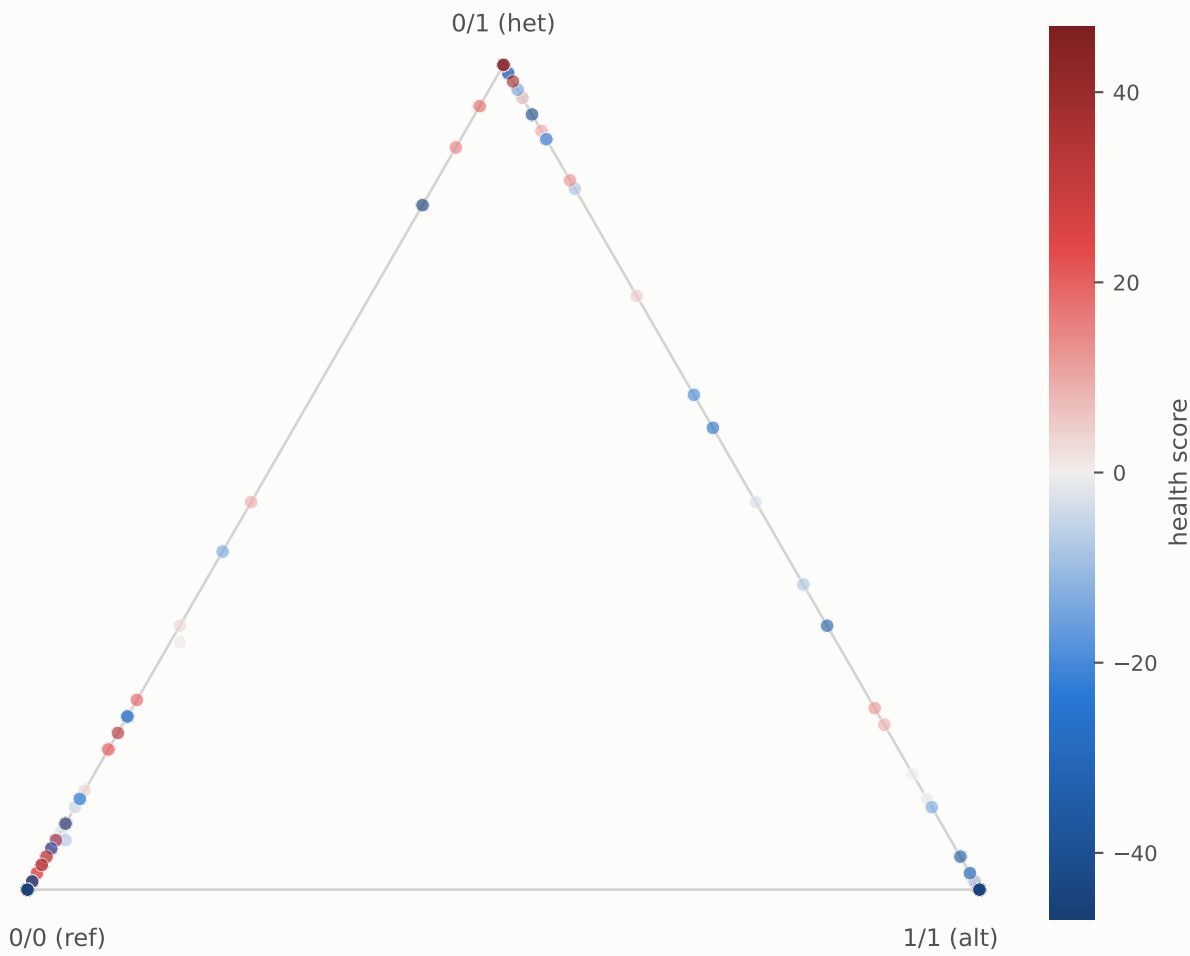




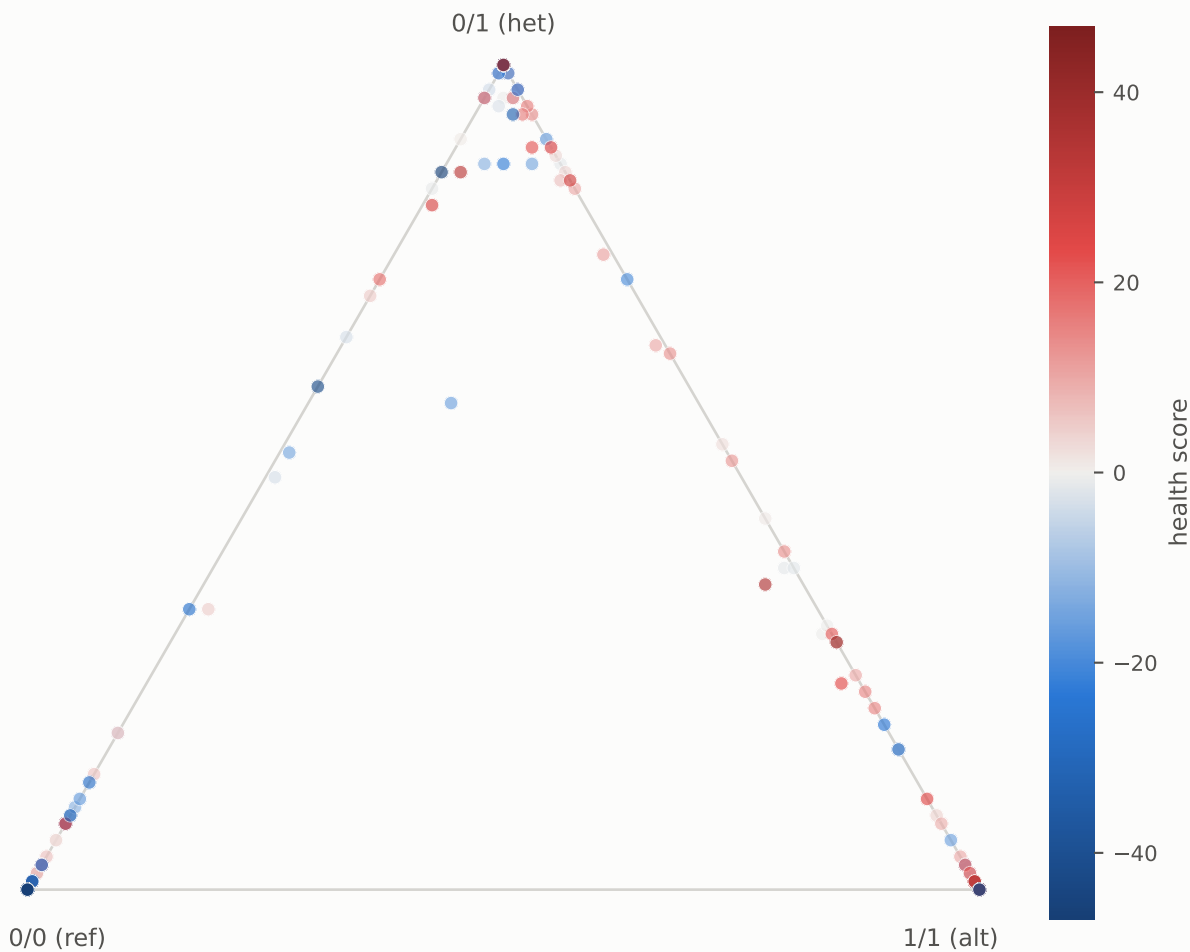
#47 by health association CHR\_10:519,128 G>A  
AF=0.25 DR2=0.86  $r=-0.211$   $\bar{H}=0.156$   $F=10.6$



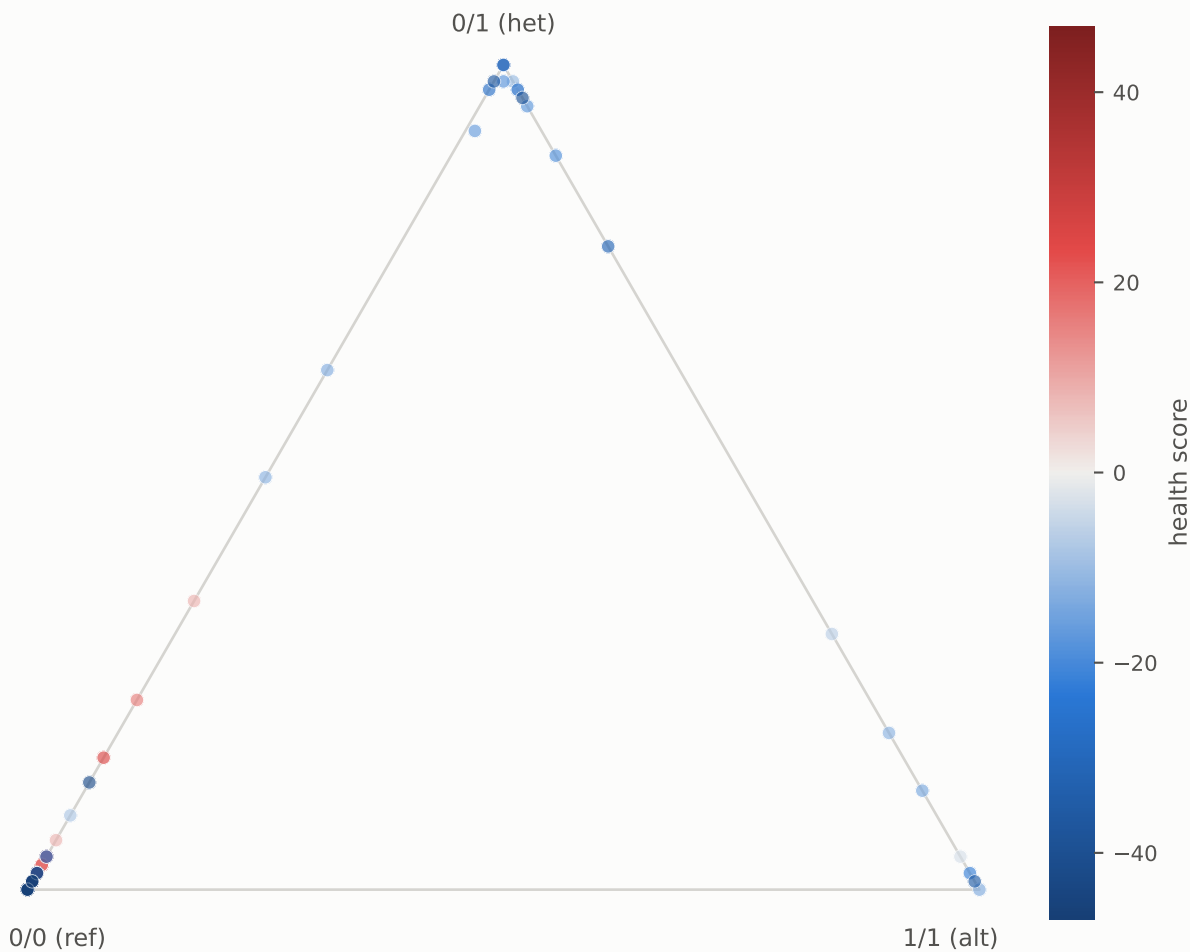
#48 by health association CHR\_11:10,771,334 C>T  
AF=0.23 DR2=0.96  $r=-0.211$  H=0.055 F=10.9



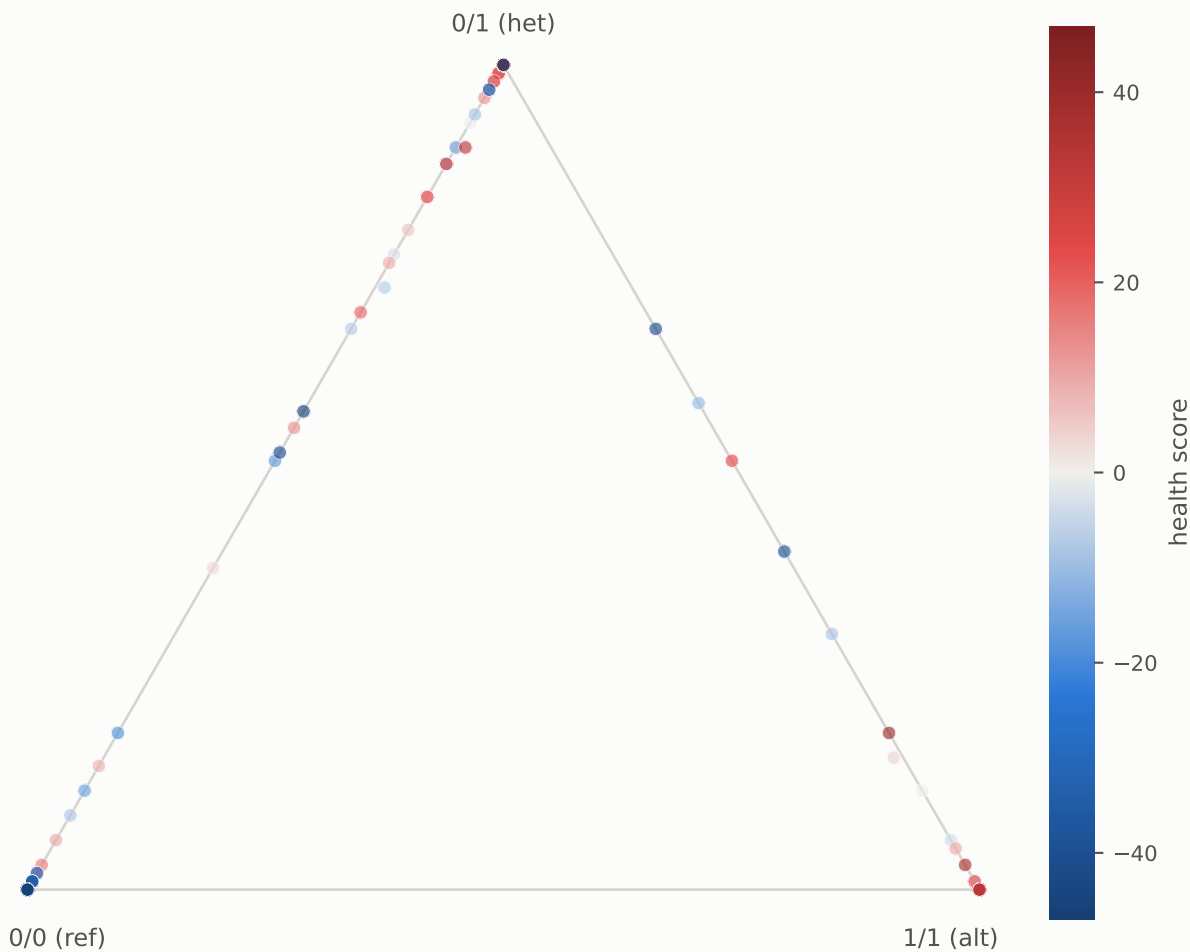
#49 by health association CHR\_19:13,732,526 C>T  
AF=0.5 DR2=0.95  $r=+0.211$  H=0.090 F=10.6



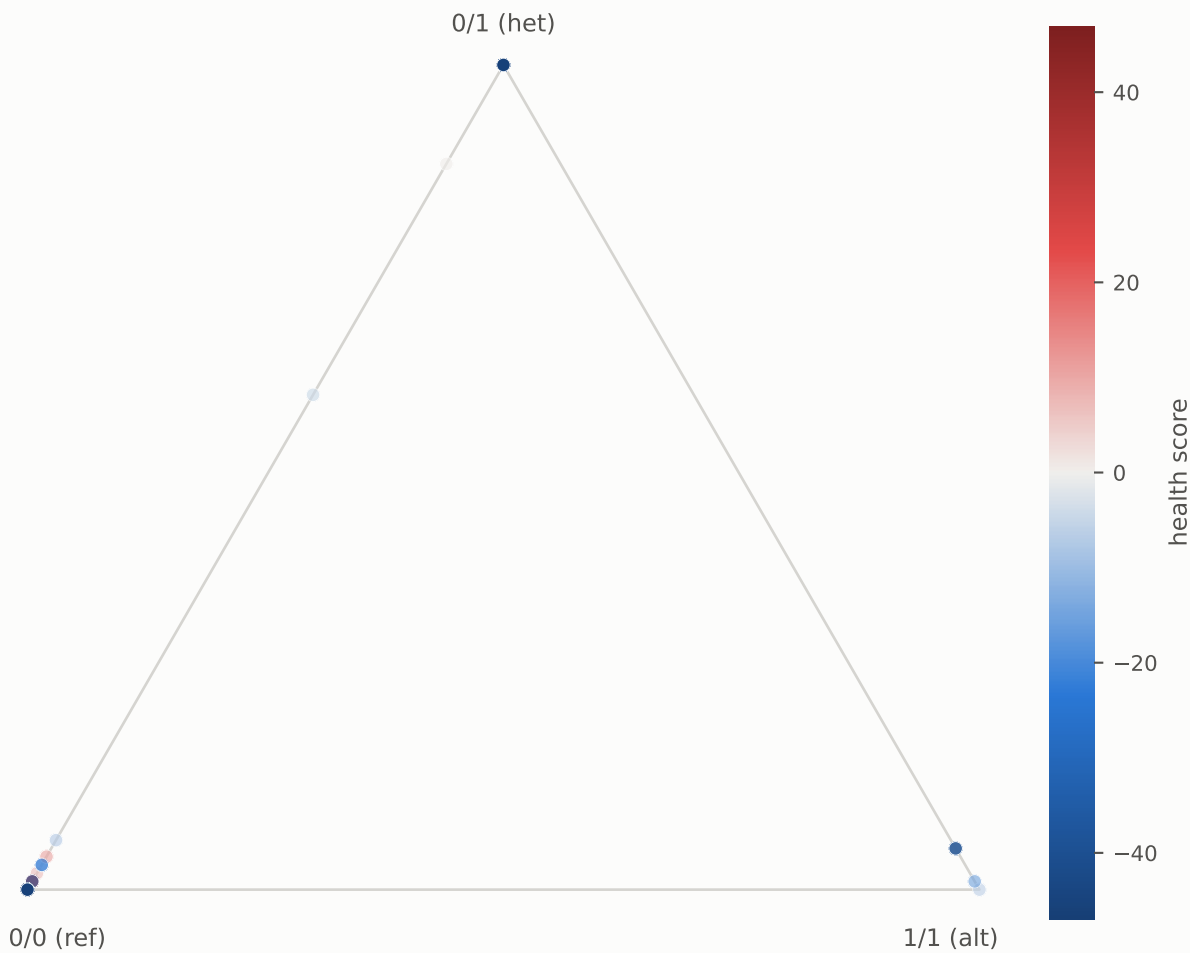
#50 by health association CHR\_02:1,857,579 G>T  
AF=0.039 DR2=0.93 r=-0.211 H=0.030 F=11.5



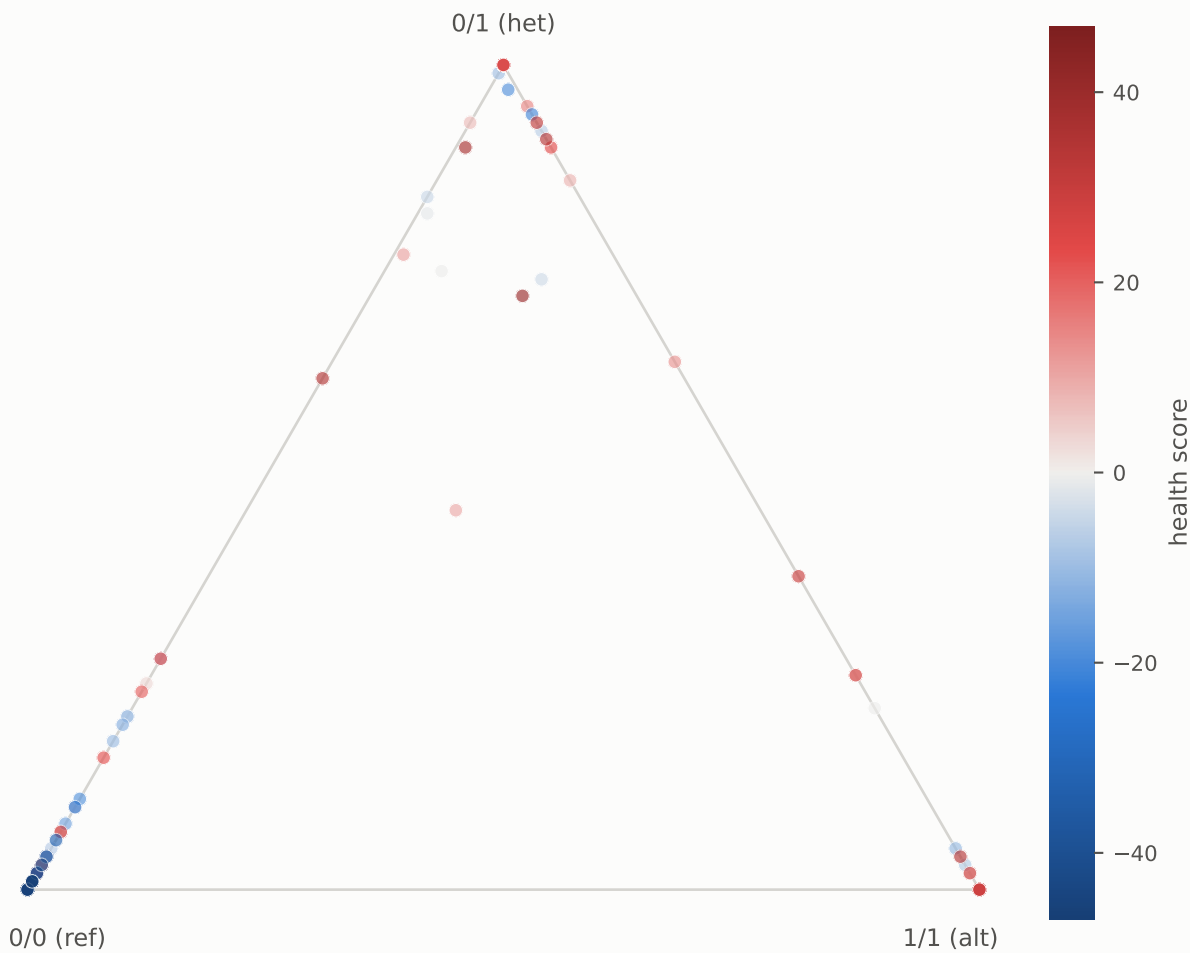
#51 by health association CHR\_14:16,984,173 G>A  
AF=0.18 DR2=0.96  $r=+0.211$  H=0.043 F=9.8



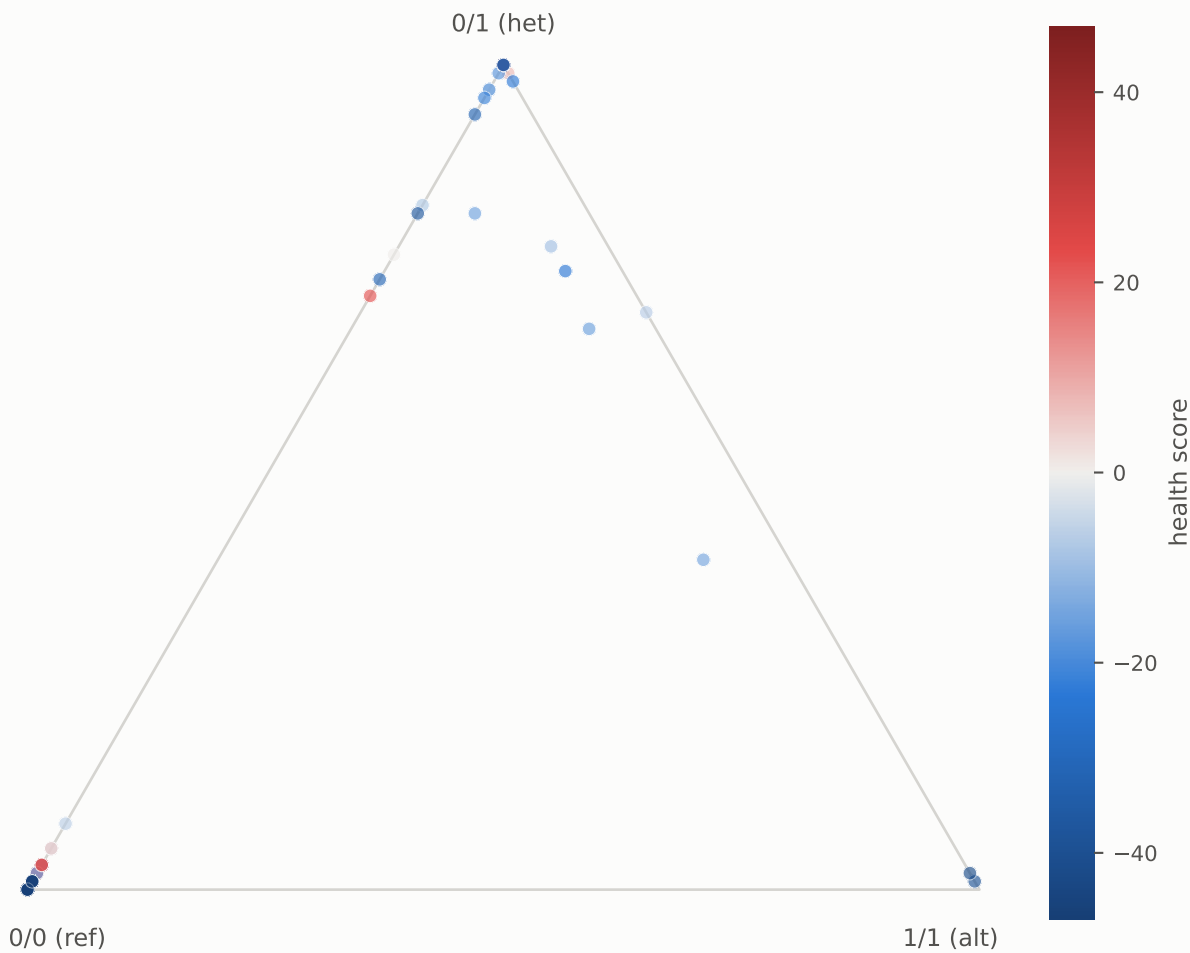
#52 by health association CHR\_16:20,556,328 C>T  
AF=0.056 DR2=0.98 r=-0.211 H=0.006 F=10.3



#53 by health association CHR\_14:16,982,634 A>G  
AF=0.09 DR2=0.93 r=+0.210 H=0.054 F=10.5

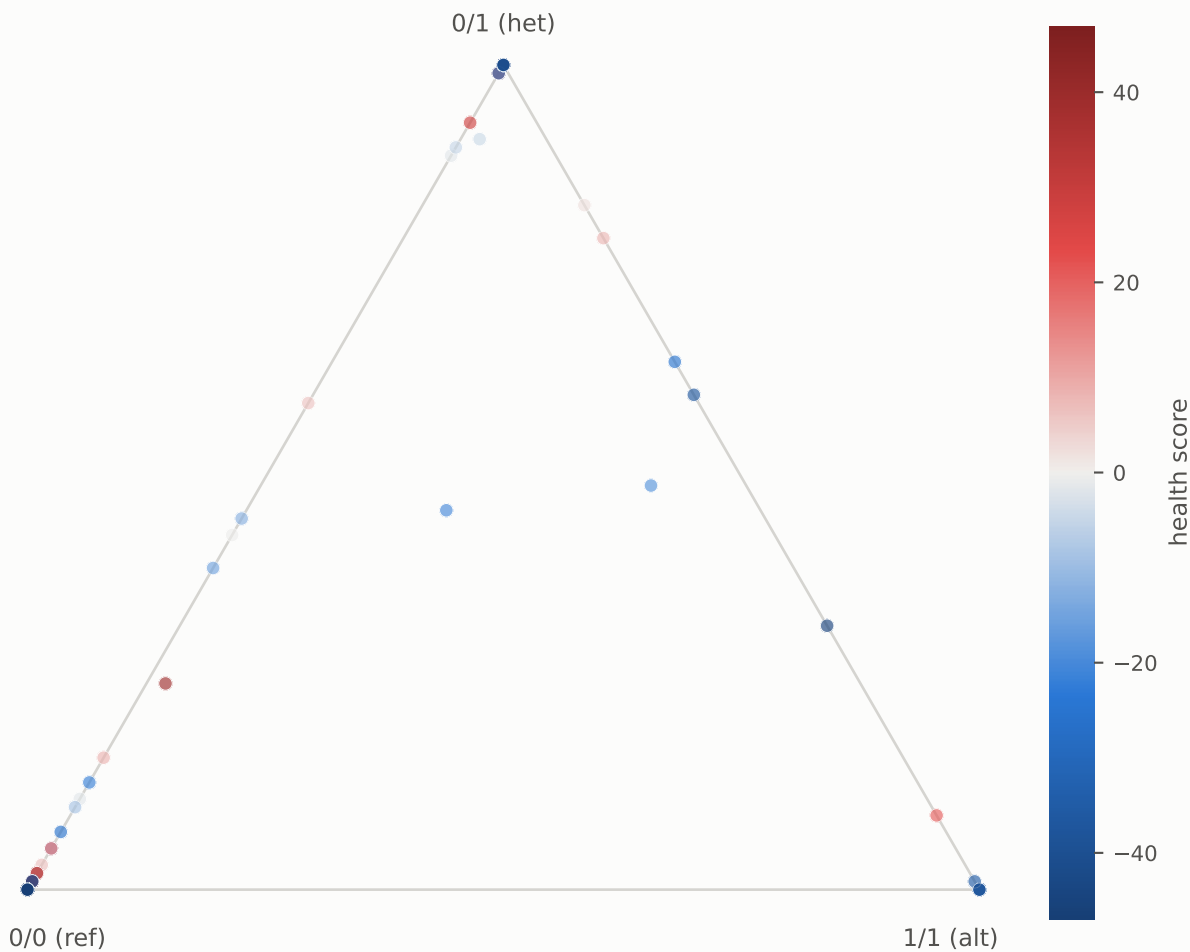


#54 by health association CHR\_16:503,891 C>T  
AF=0.032 DR2=0.89 r=-0.210 H=0.029 F=10.7

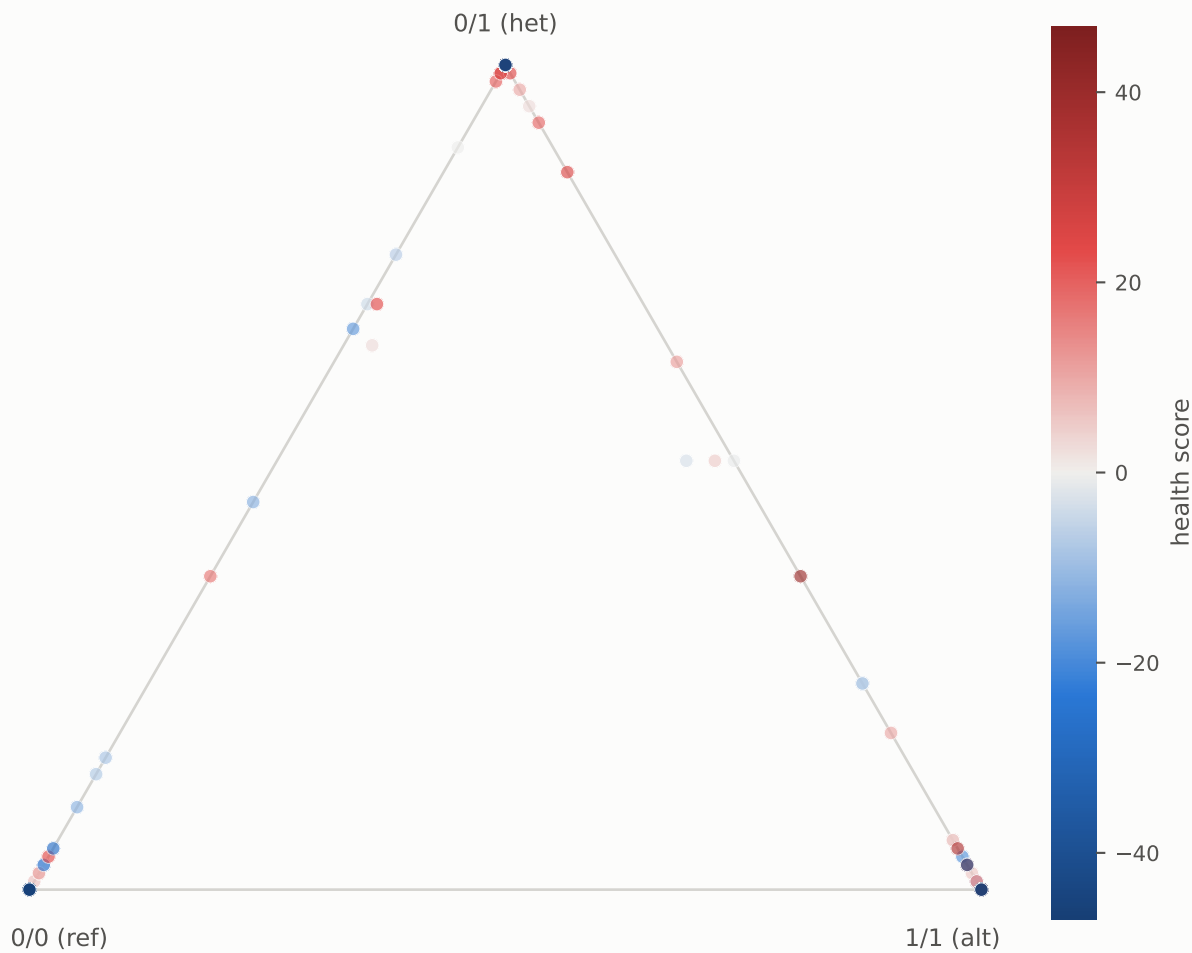




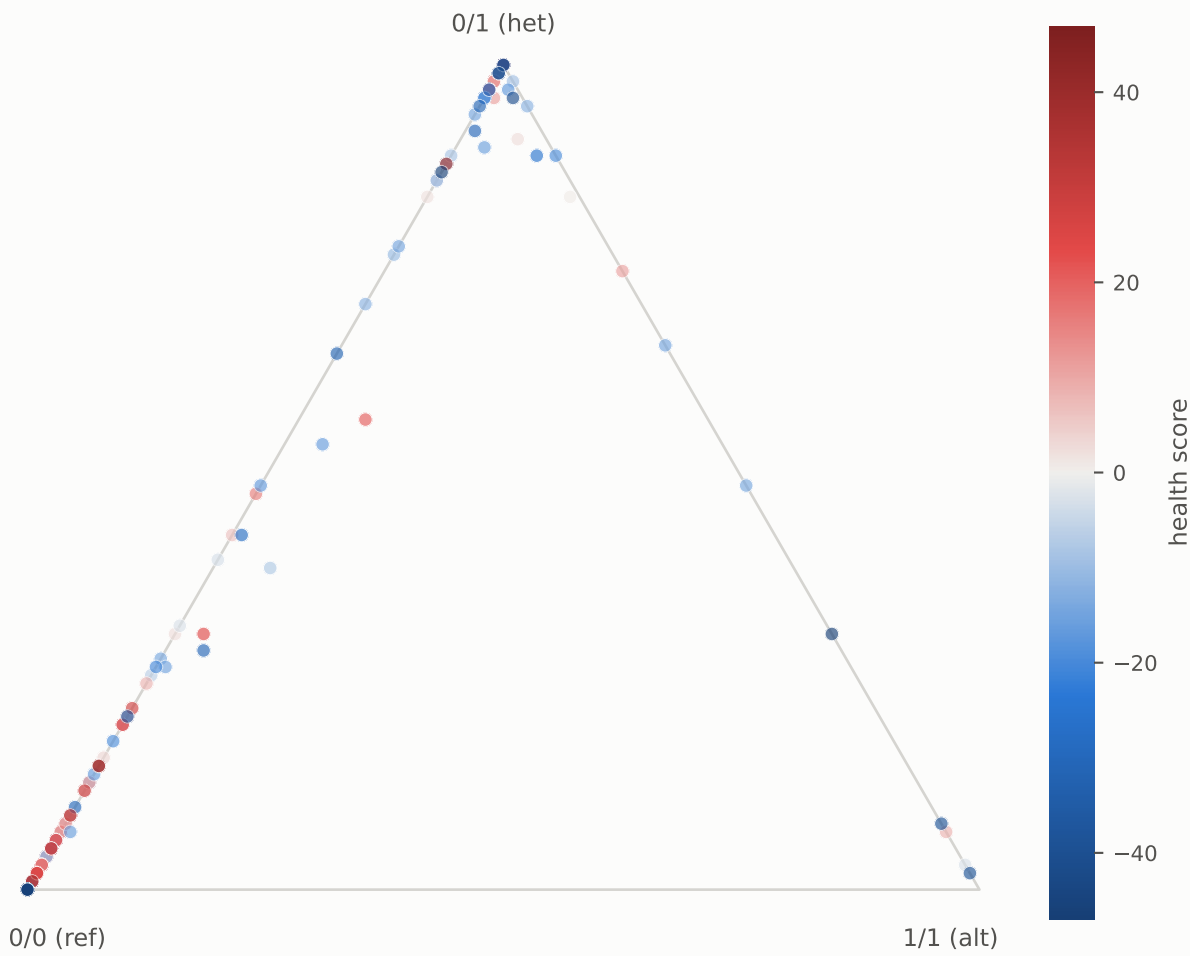
#55 by health association CHR\_11:11,674,644 G>A  
AF=0.056 DR2=0.93 r=-0.209 H=0.030 F=10.4



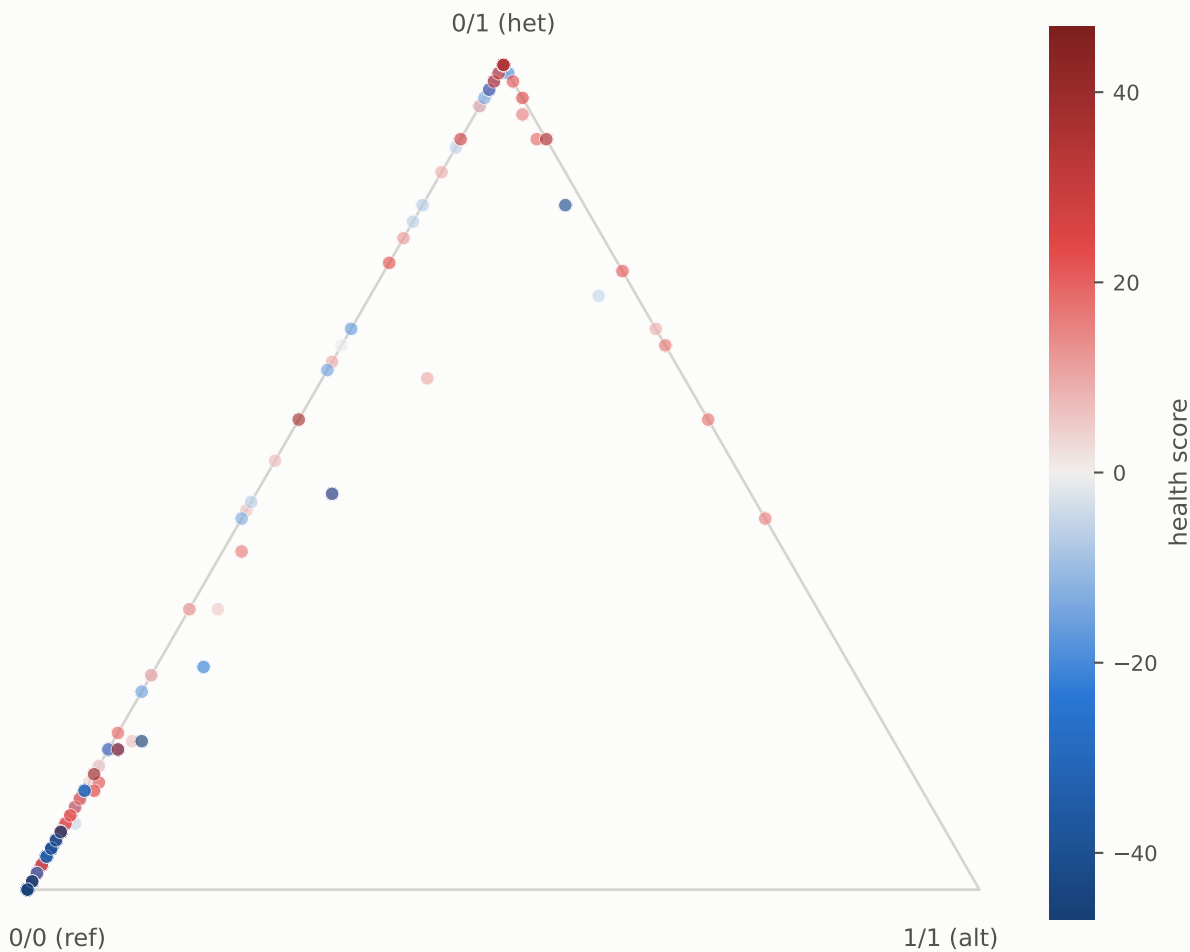
#56 by health association CHR\_16:9,629,528 T>C  
AF=0.48 DR2=0.97 r=+0.209 H=0.033 F=11.9



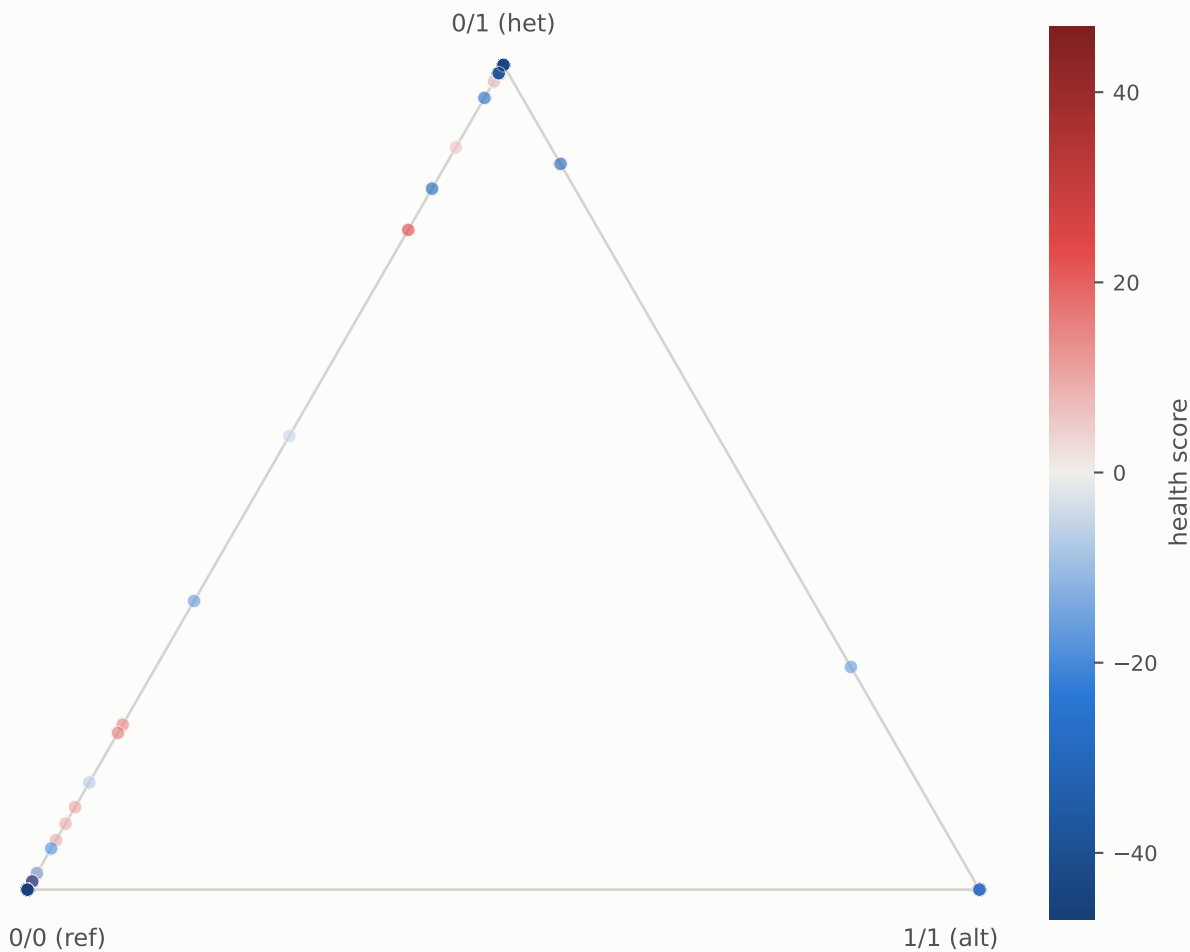
#57 by health association CHR\_17:21,550,028 C>A  
AF=0.12 DR2=0.85  $r=-0.209$  H=0.100 F=11.2



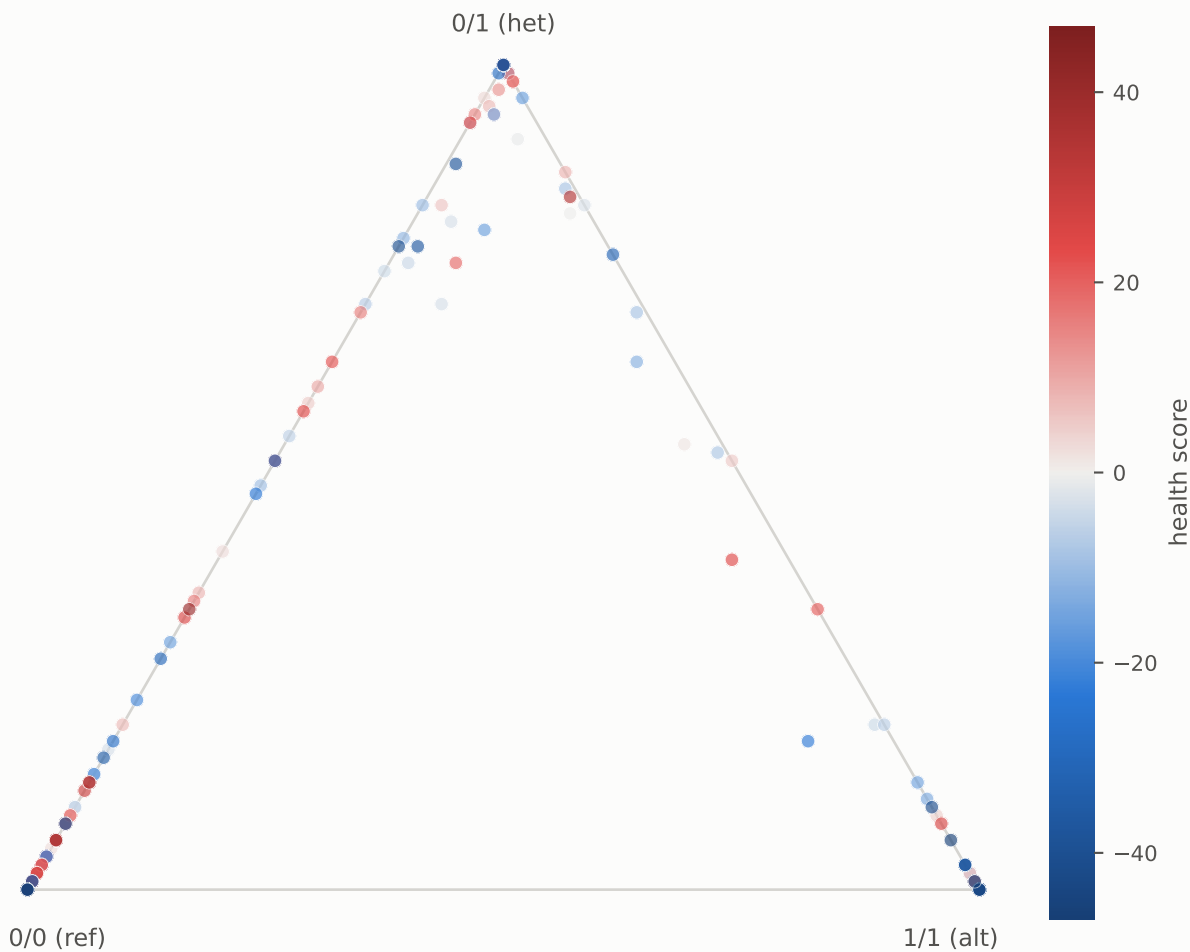
#58 by health association CHR\_07:5,268,968 C>G  
AF=0.14 DR2=0.81  $r=+0.209$  H=0.127 F=17.2



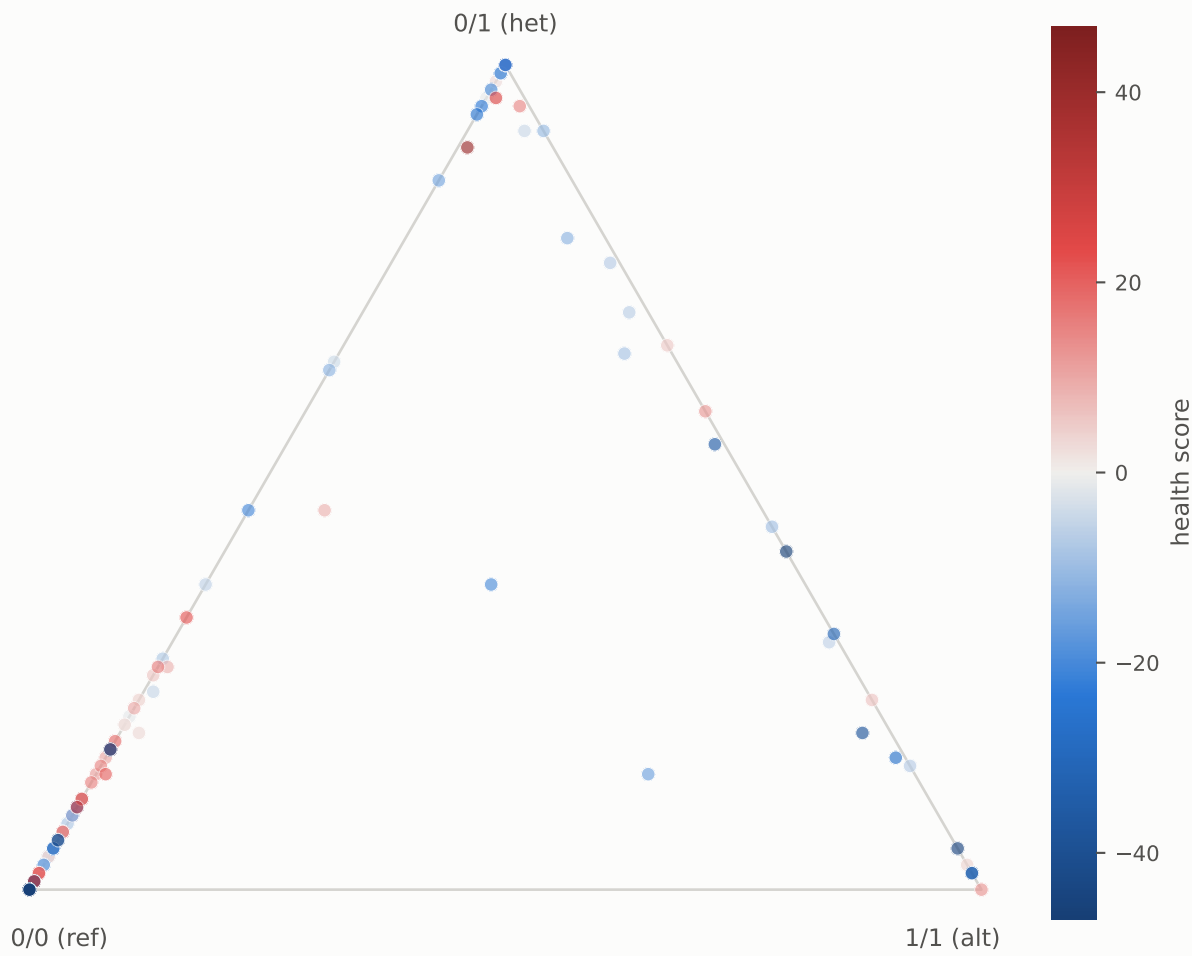
#59 by health association CHR\_07:36,028,276 G>C  
AF=0.12 DR2=0.97  $r=-0.209$  H=0.016 F=10.4



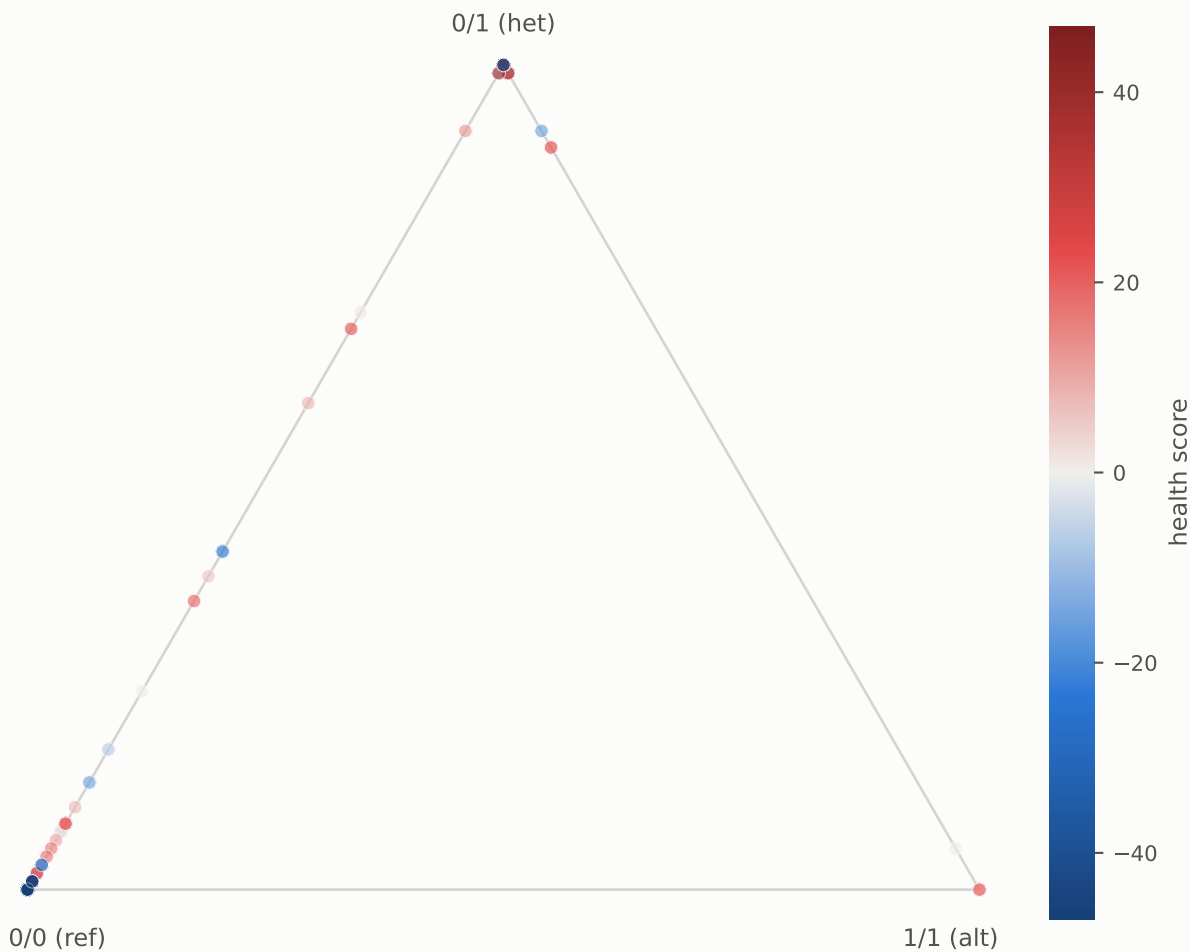
#60 by health association CHR\_18:25,489,374 C>T  
AF=0.25 DR2=0.93  $r=-0.208$  H=0.101 F=10.6



#61 by health association CHR\_06:25,742,409 C>T  
AF=0.071 DR2=0.84  $r=-0.207$  H=0.084 F=11.5

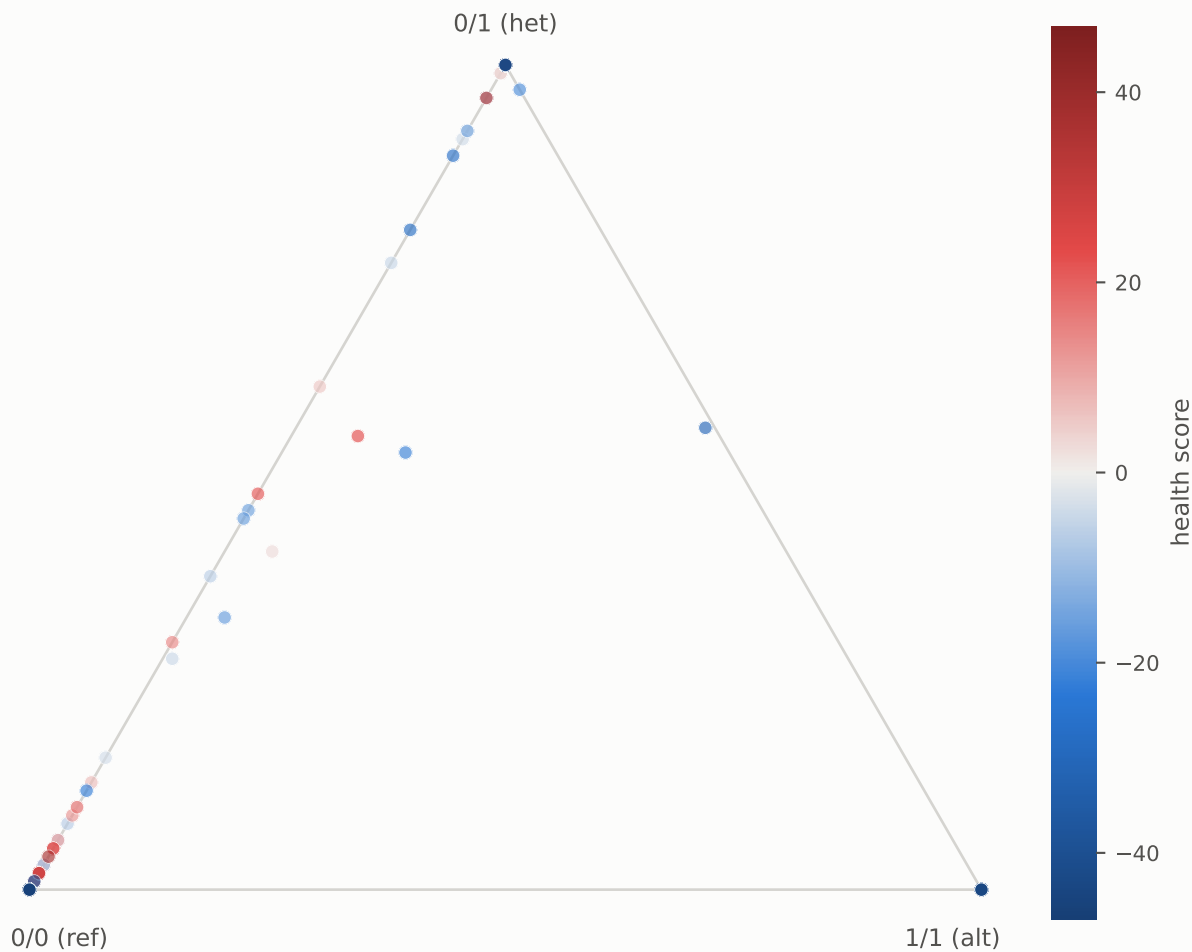


#62 by health association CHR\_19:6,540,365 T>G  
AF=0.086 DR2=0.94  $r=+0.207$  H=0.023 F=20.1

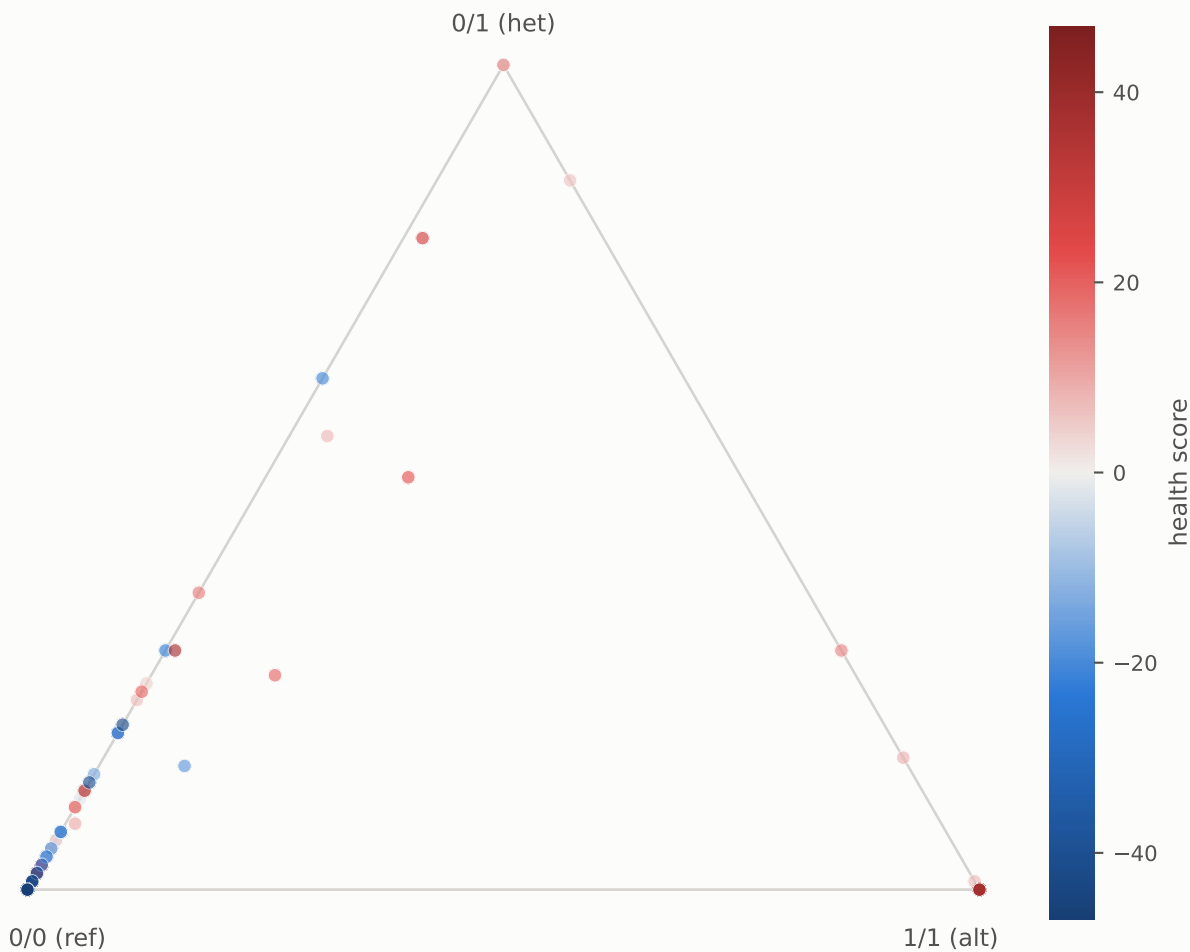




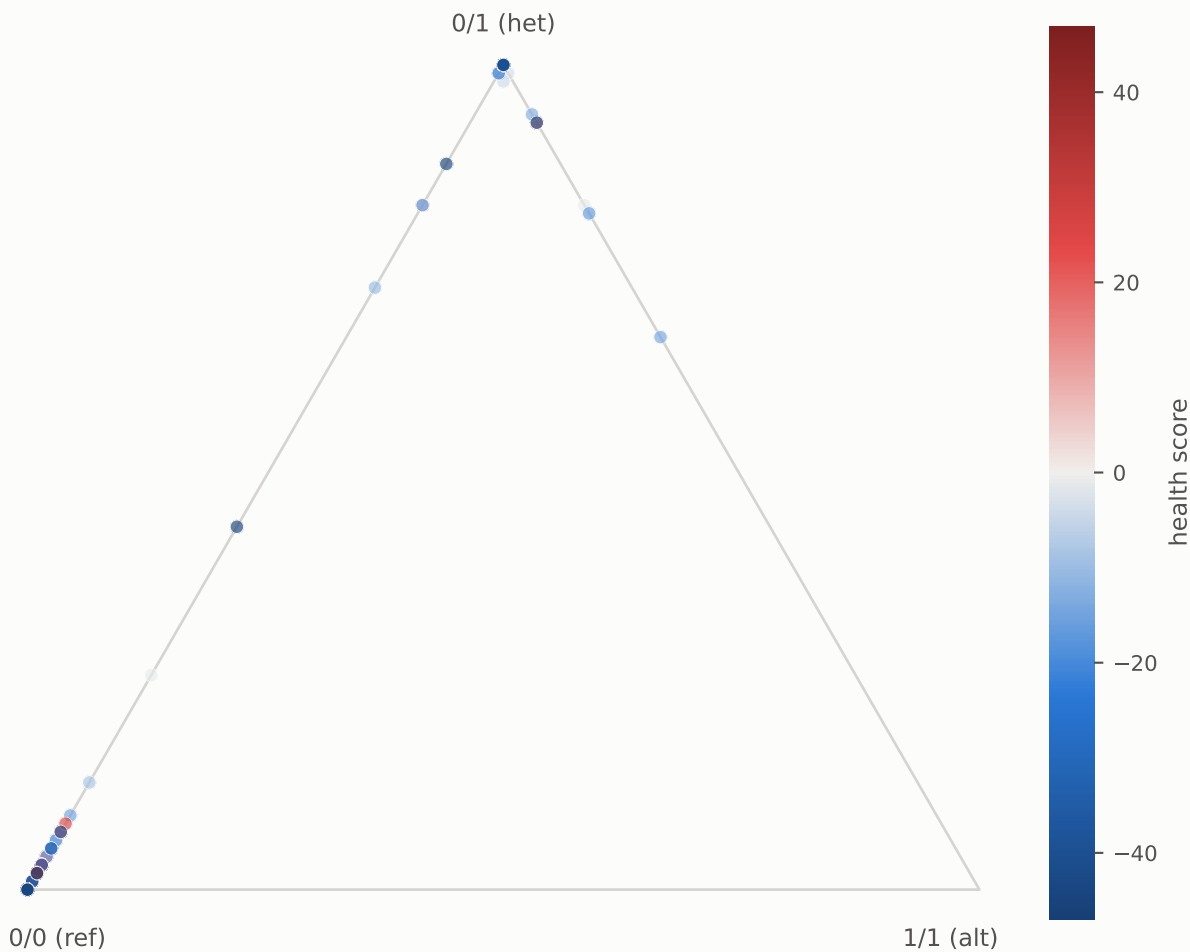
#63 by health association CHR\_01:43,427,961 G>A  
AF=0.086 DR2=0.94  $r=-0.207$  H=0.036 F=11.7



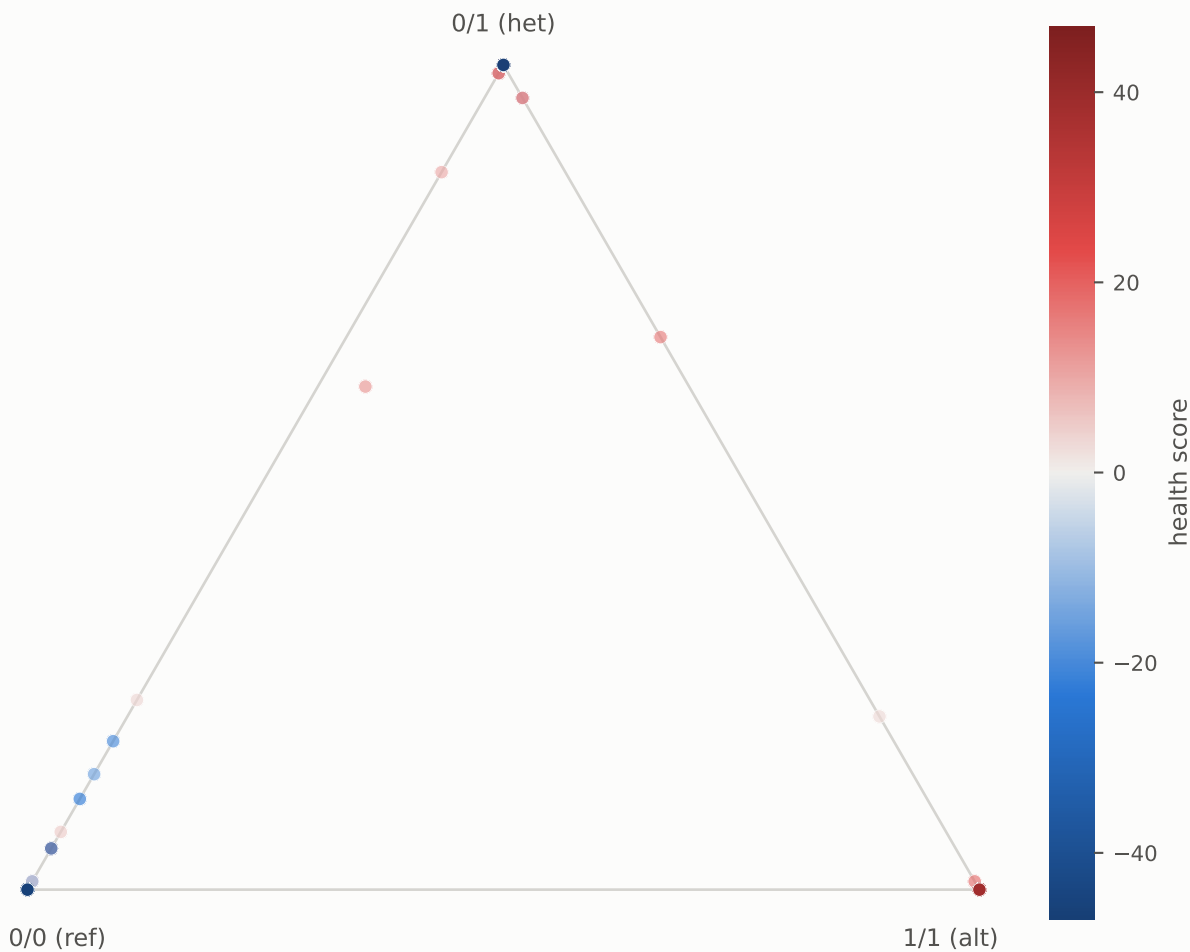
#64 by health association CHR\_16:30,309,619 C>T  
AF=0.073 DR2=0.92 r=+0.207 H=0.054 F=9.8



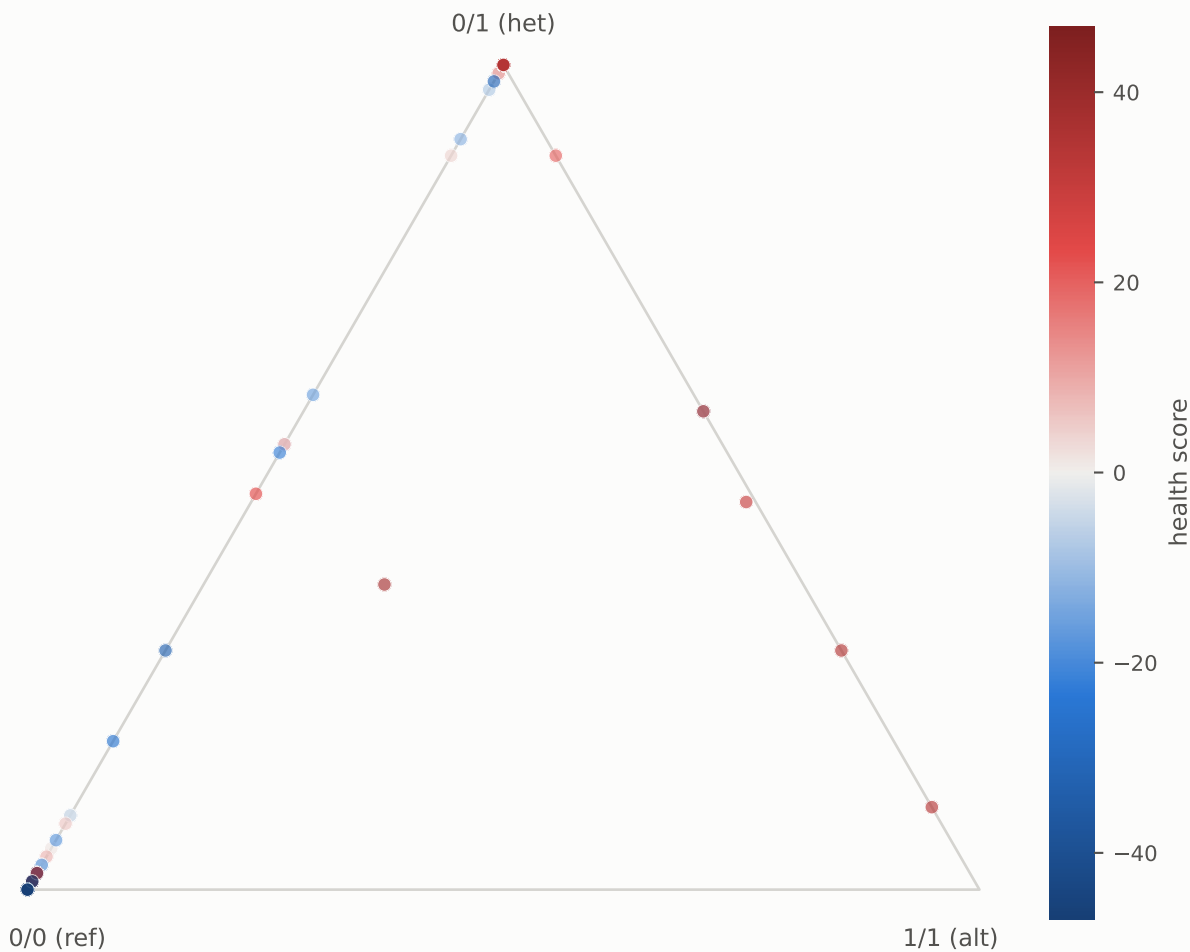
#65 by health association CHR\_01:3,660,231 G>A  
AF=0.034 DR2=0.84  $r=-0.207$  H=0.039 F=18.2



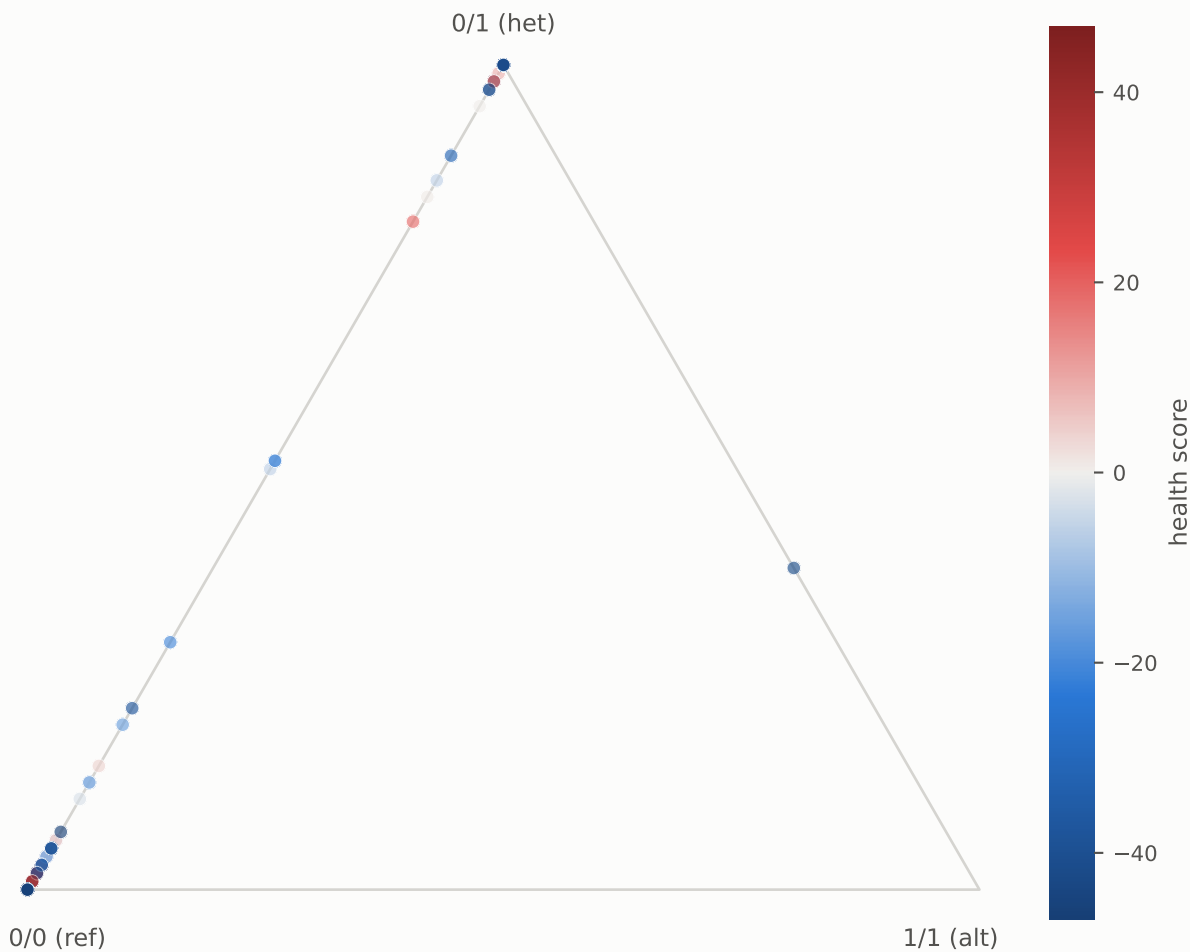
#66 by health association CHR\_14:16,988,429 G>A  
AF=0.2 DR2=0.99 r=+0.207 H=0.012 F=12.4



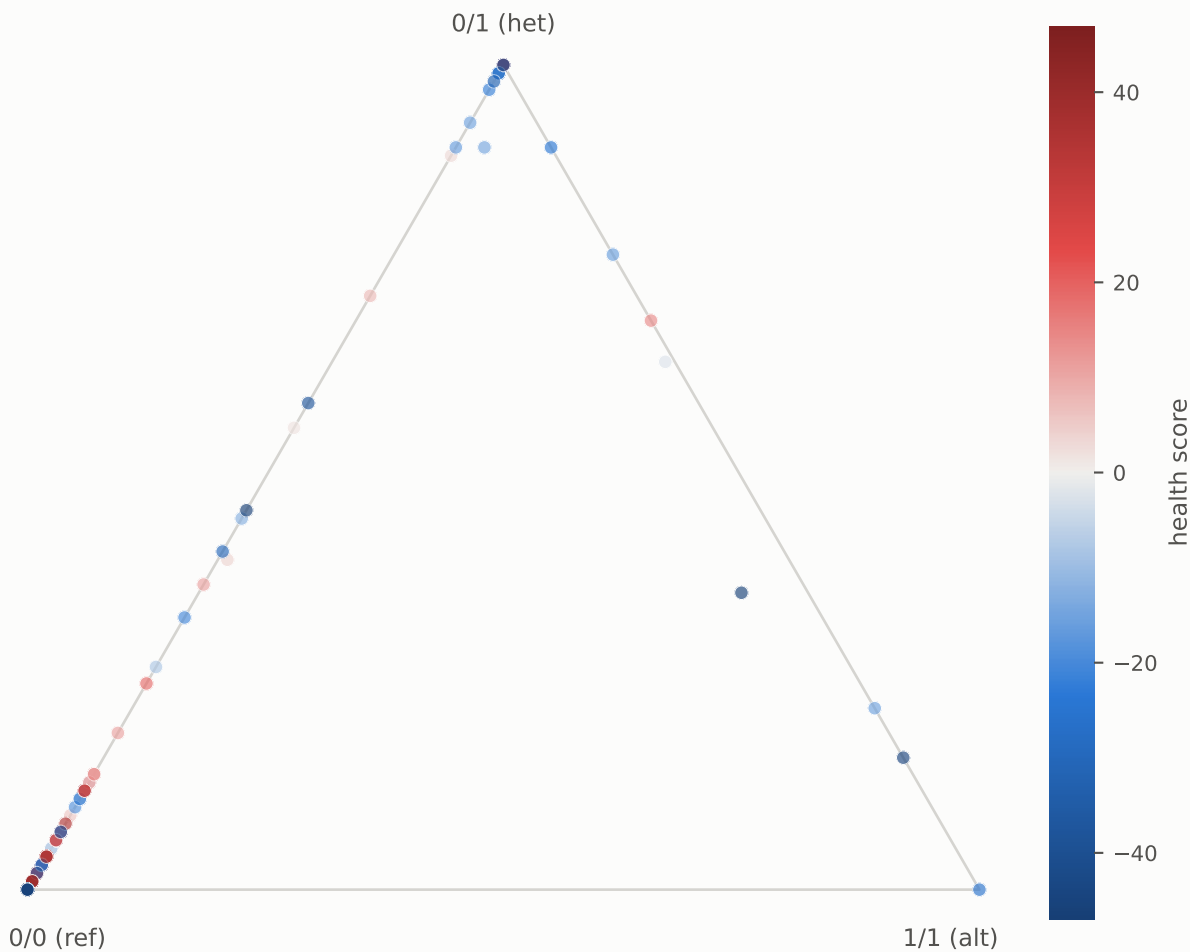
#67 by health association CHR\_07:27,376,614 G>A  
AF=0.046 DR2=0.86 r=+0.207 H=0.036 F=7.3



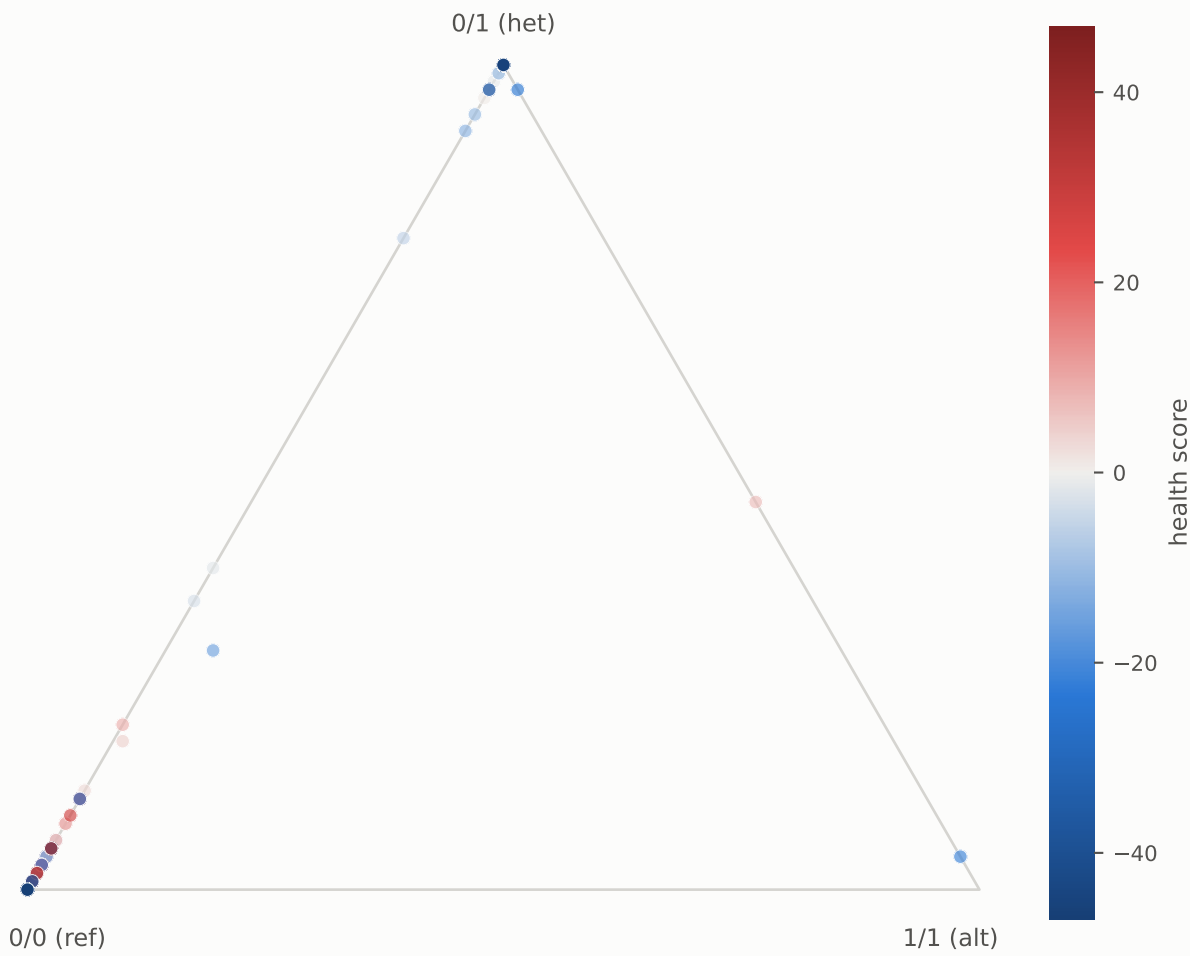
#68 by health association CHR\_10:1,824,186 T>C  
AF=0.051 DR2=0.9 r=-0.207 H=0.031 F=14.1



#69 by health association CHR\_14:3,297,815 C>T  
AF=0.07 DR2=0.87 r=-0.207 H=0.058 F=9.3

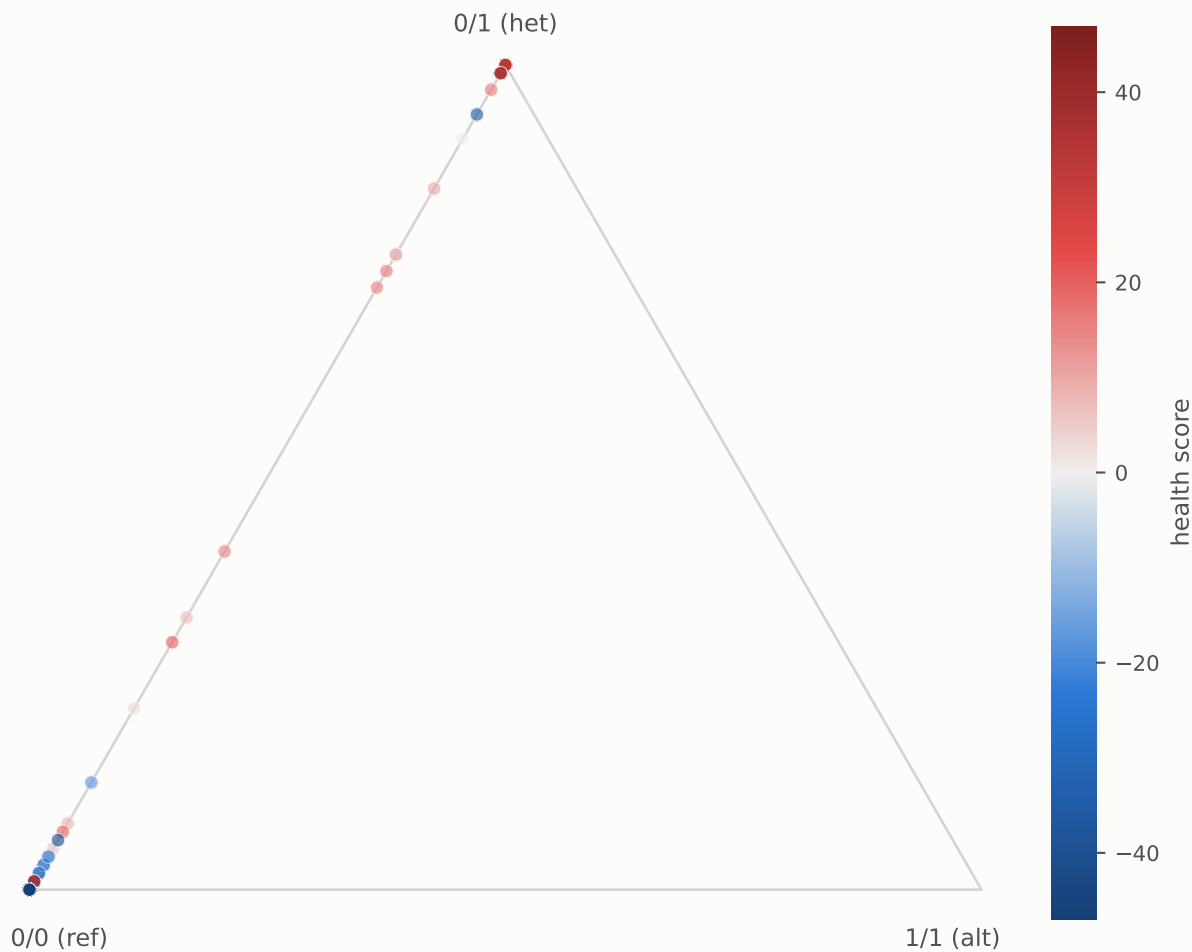


#70 by health association CHR\_23:2,462,866 C>T  
AF=0.077 DR2=0.92 r=-0.206 H=0.033 F=19.7

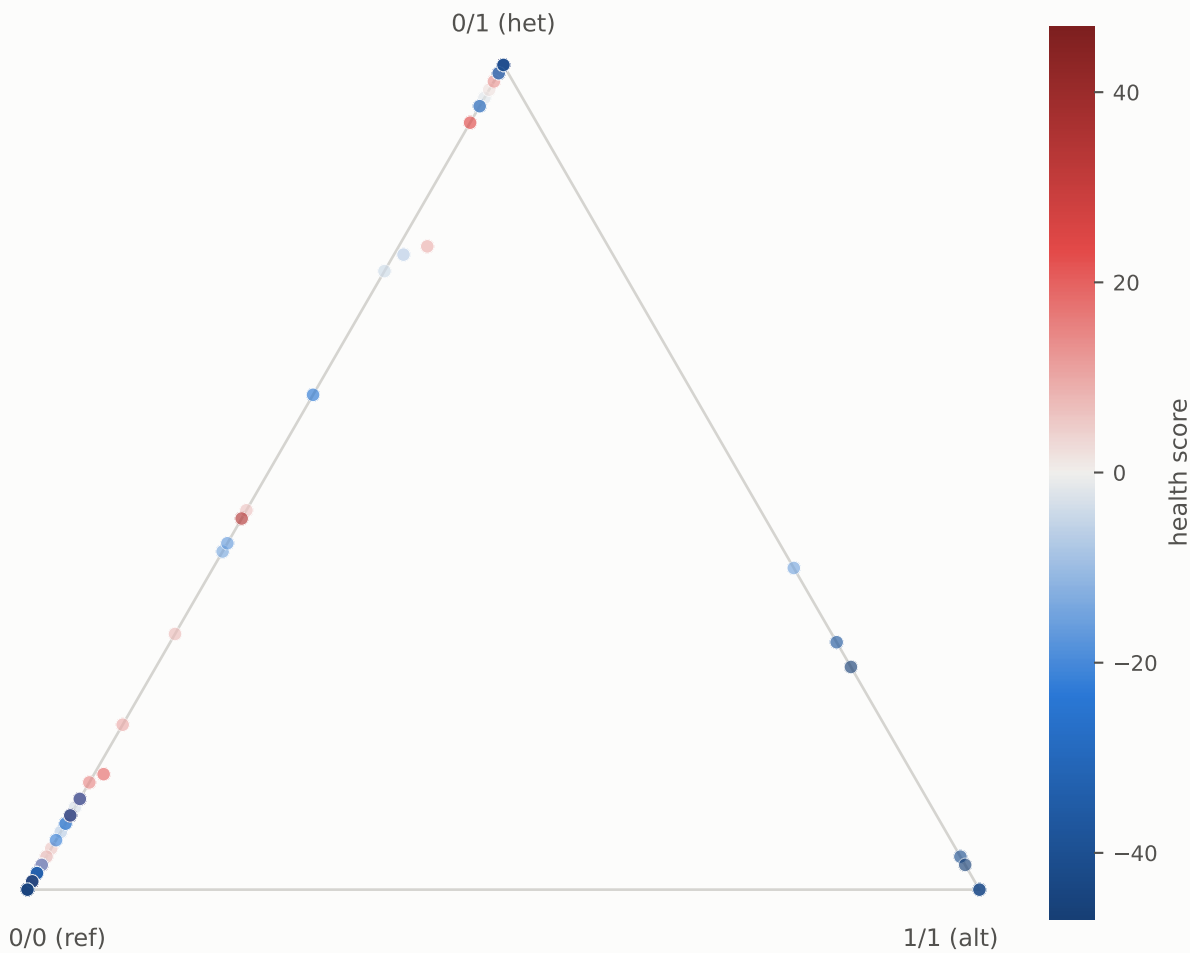




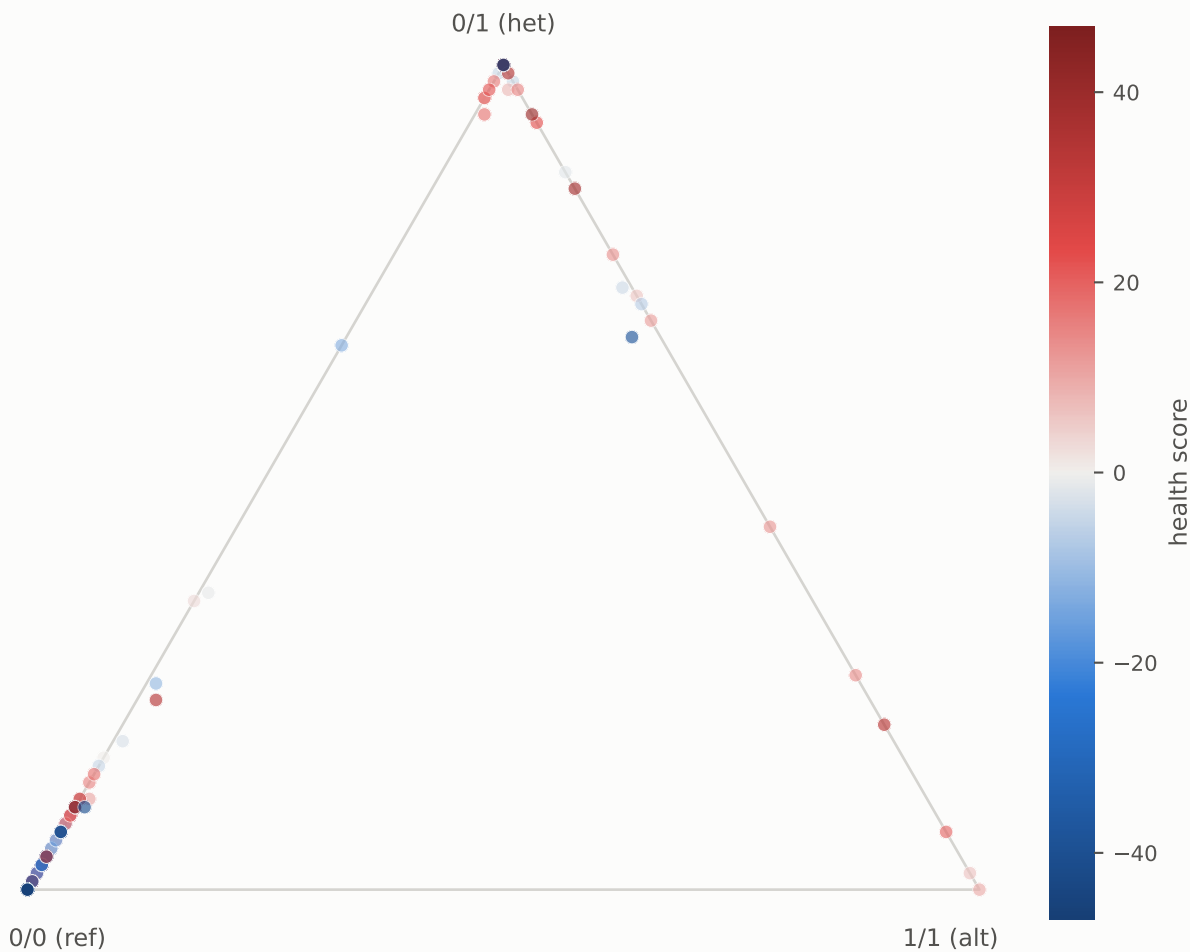
#71 by health association unpl-scaff\_018:32,266 T>C  
AF=0.048 DR2=0.92  $r=+0.206$  H=0.022 F=19.0



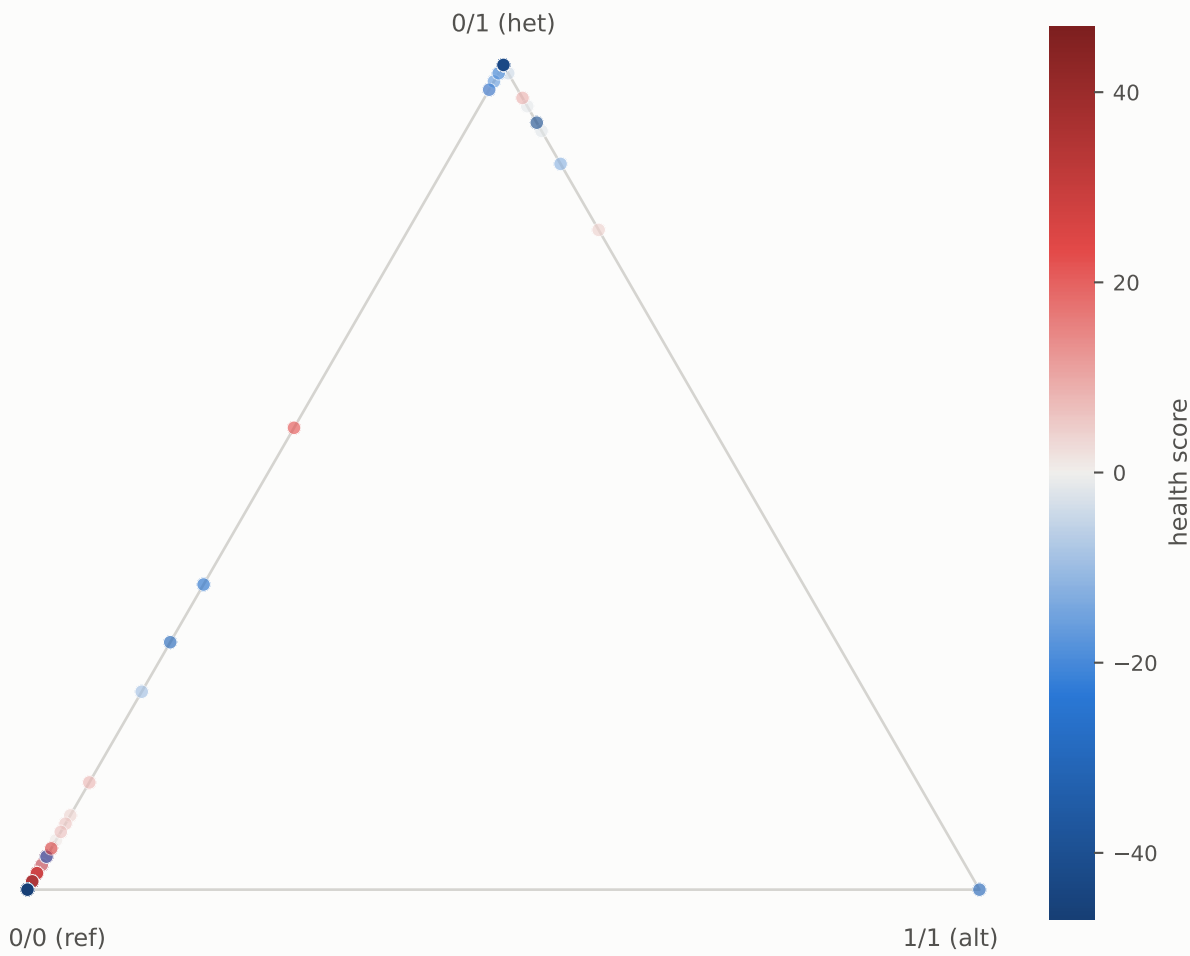
#72 by health association CHR\_10:30,710,845 A>G  
AF=0.064 DR2=0.9 r=-0.206 H=0.041 F=17.8



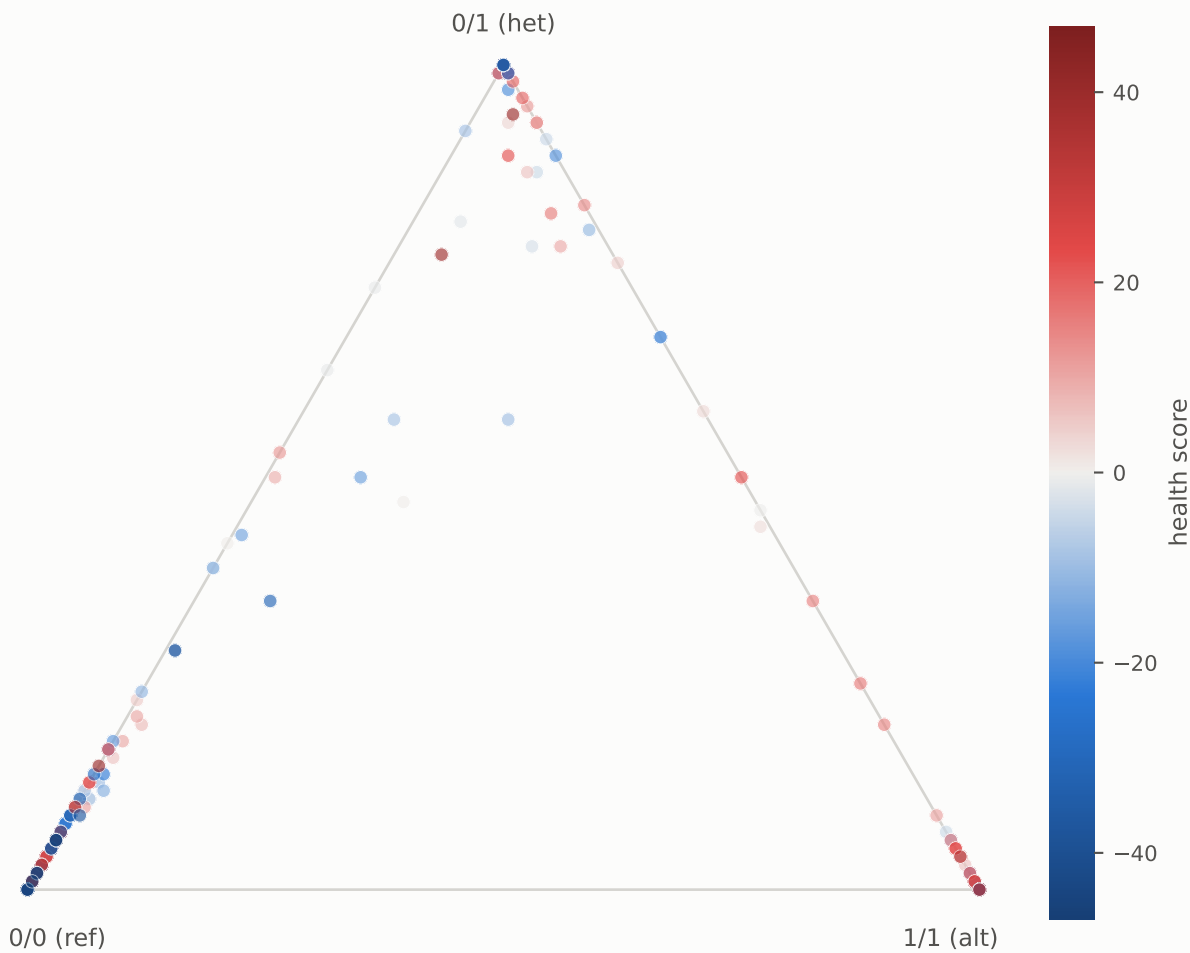
#73 by health association CHR\_09:32,406,415 G>A  
AF=0.1 DR2=0.88  $r=+0.206$  H=0.061 F=9.7



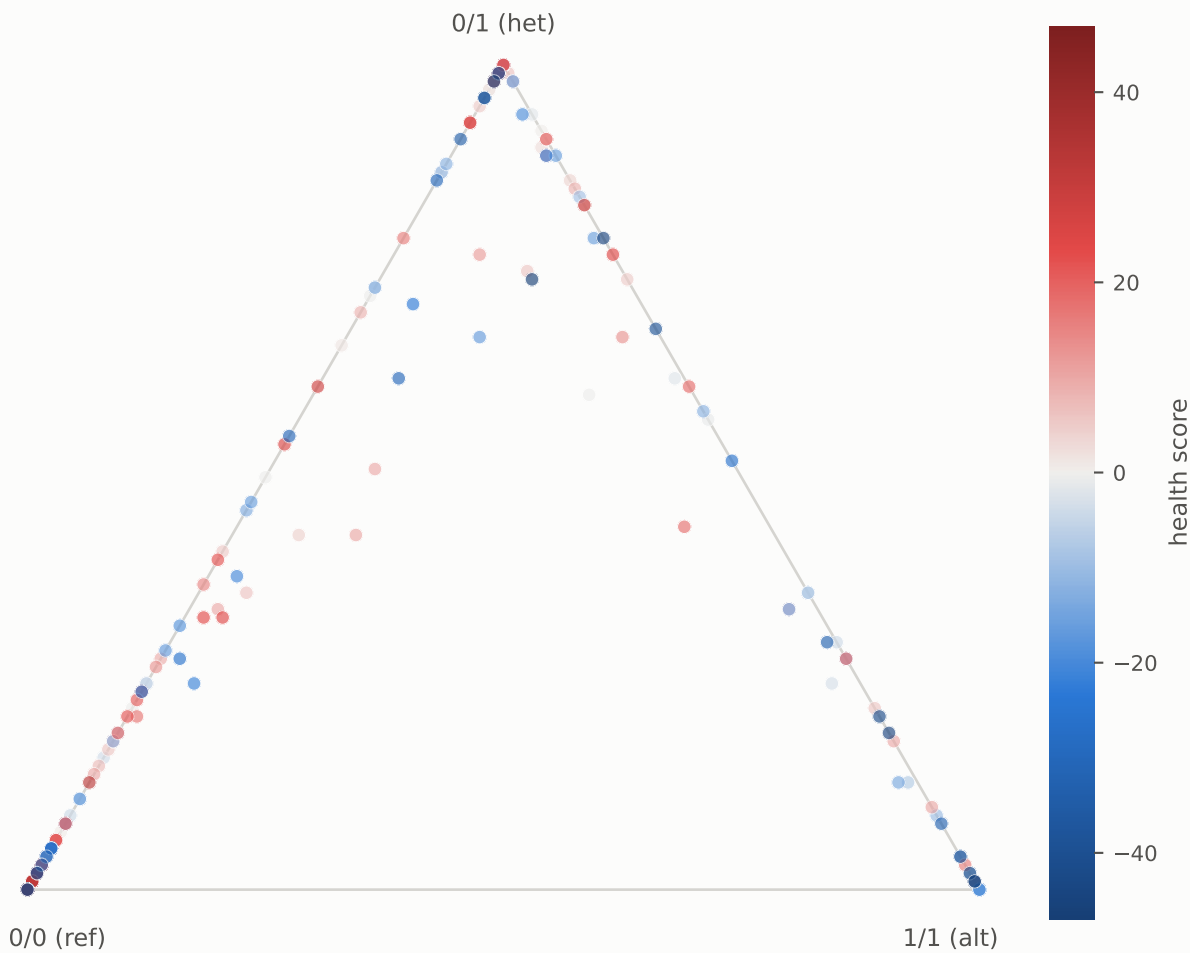
#74 by health association CHR\_06:18,657,519 G>A  
AF=0.032 DR2=0.9 r=-0.206 H=0.027 F=14.7



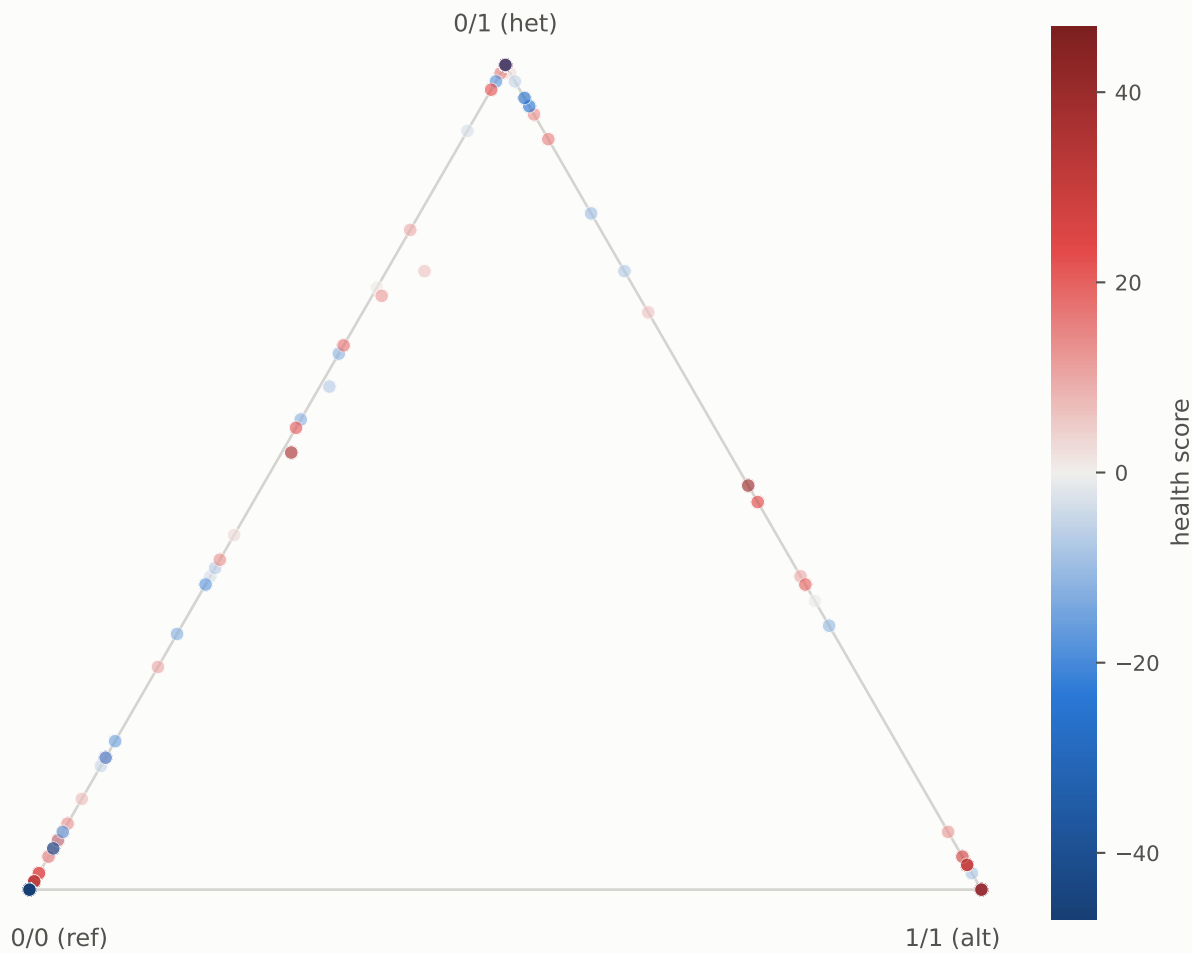
#75 by health association CHR\_11:12,160,365 G>A  
AF=0.29 DR2=0.93 r=+0.205 H=0.131 F=10.5



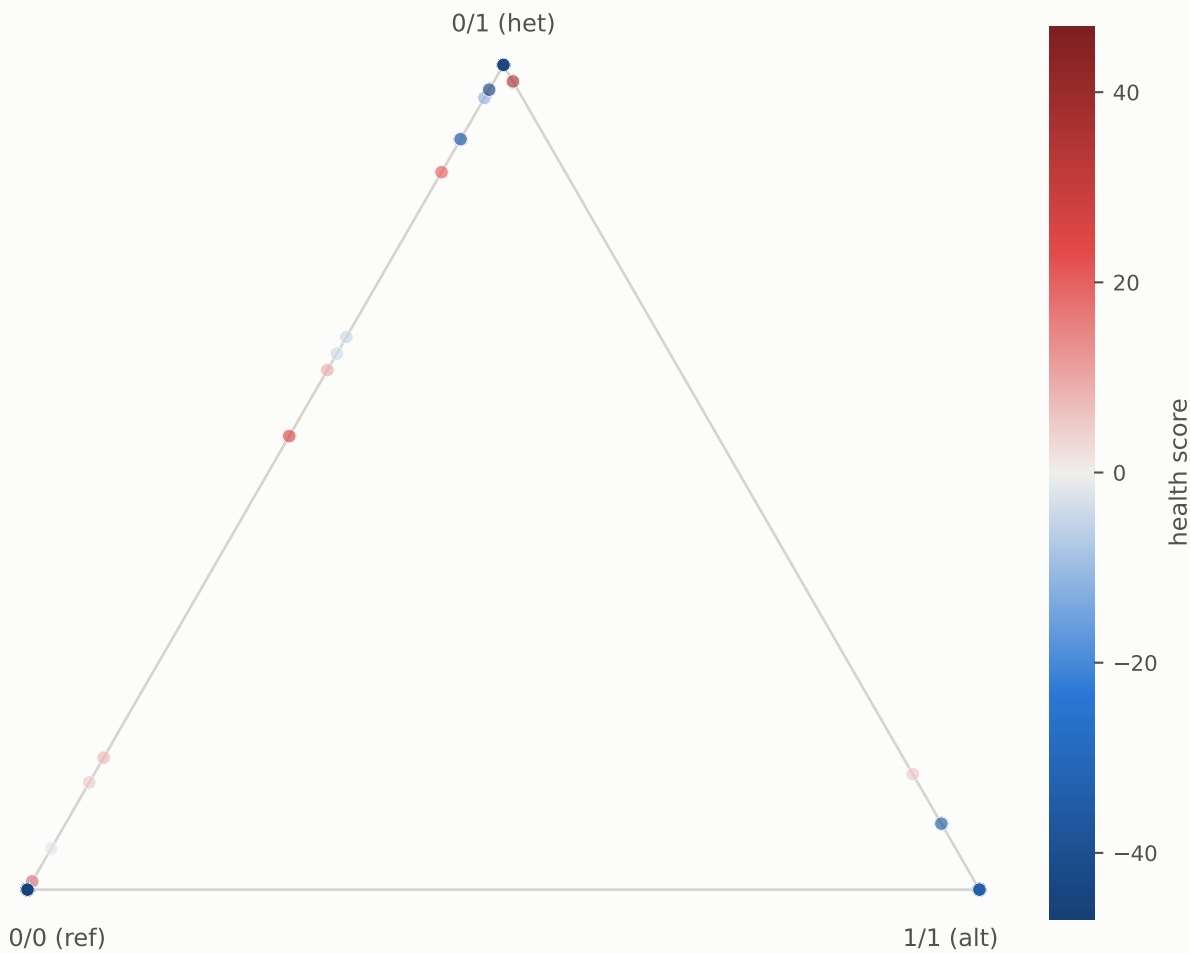
#76 by health association CHR\_20:10,952,469 G>A  
AF=0.17 DR2=0.85  $r=-0.205$  H=0.159 F=10.2



#77 by health association CHR\_02:37,509,971 A>T  
AF=0.13 DR2=0.92 r=+0.205 H=0.057 F=10.9

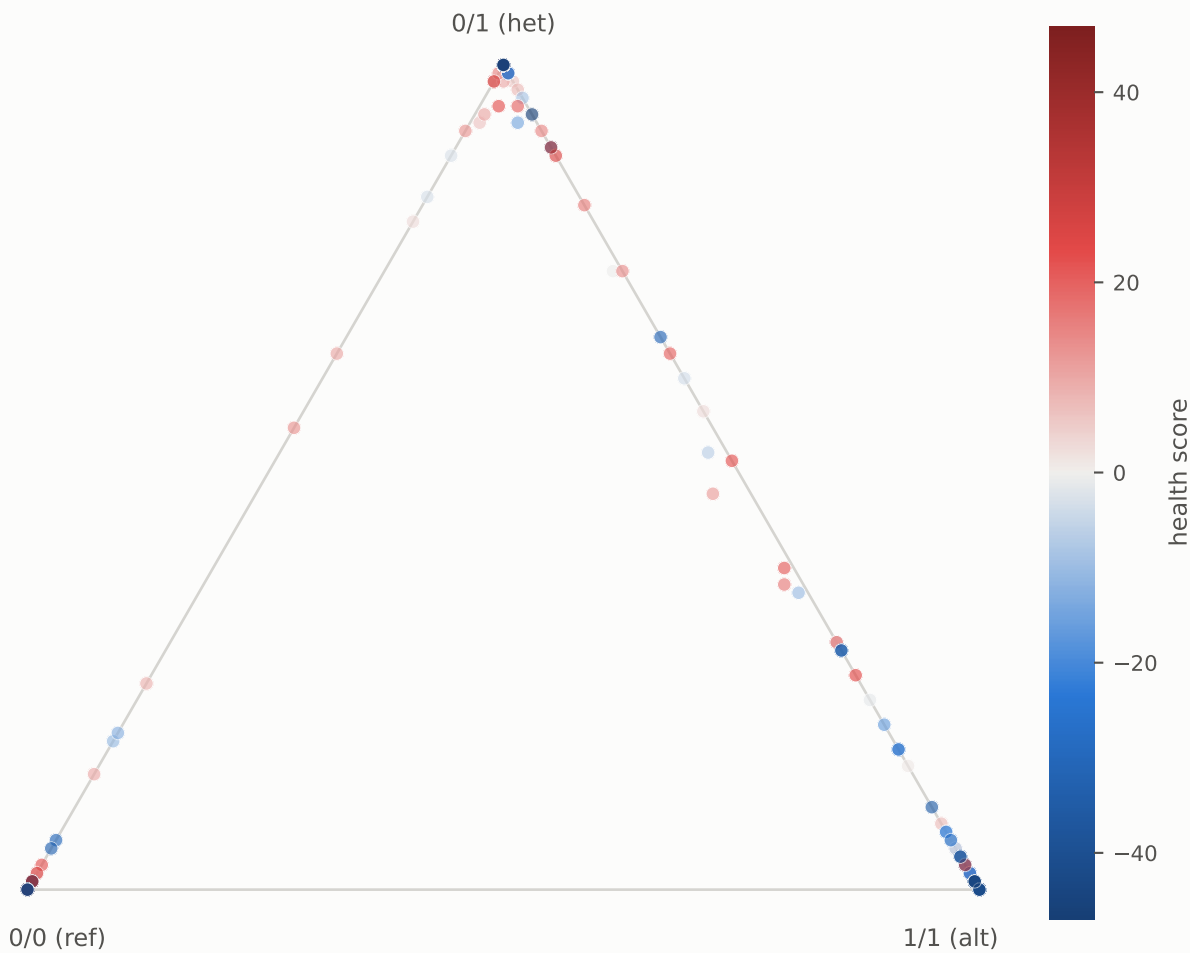


#78 by health association CHR\_21:22,009,627 G>A  
AF=0.036 DR2=0.97  $r=-0.205$  H=0.013 F=9.0

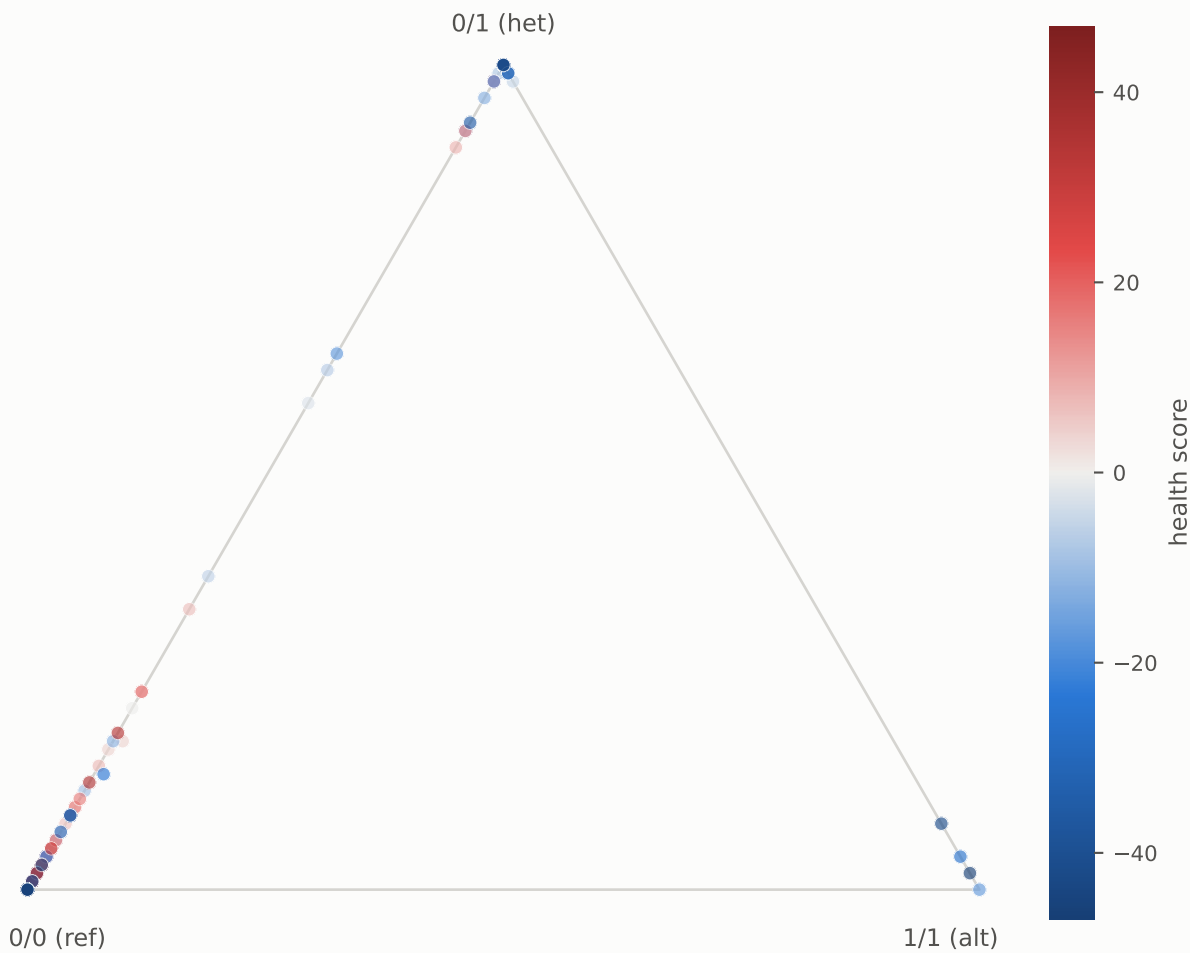




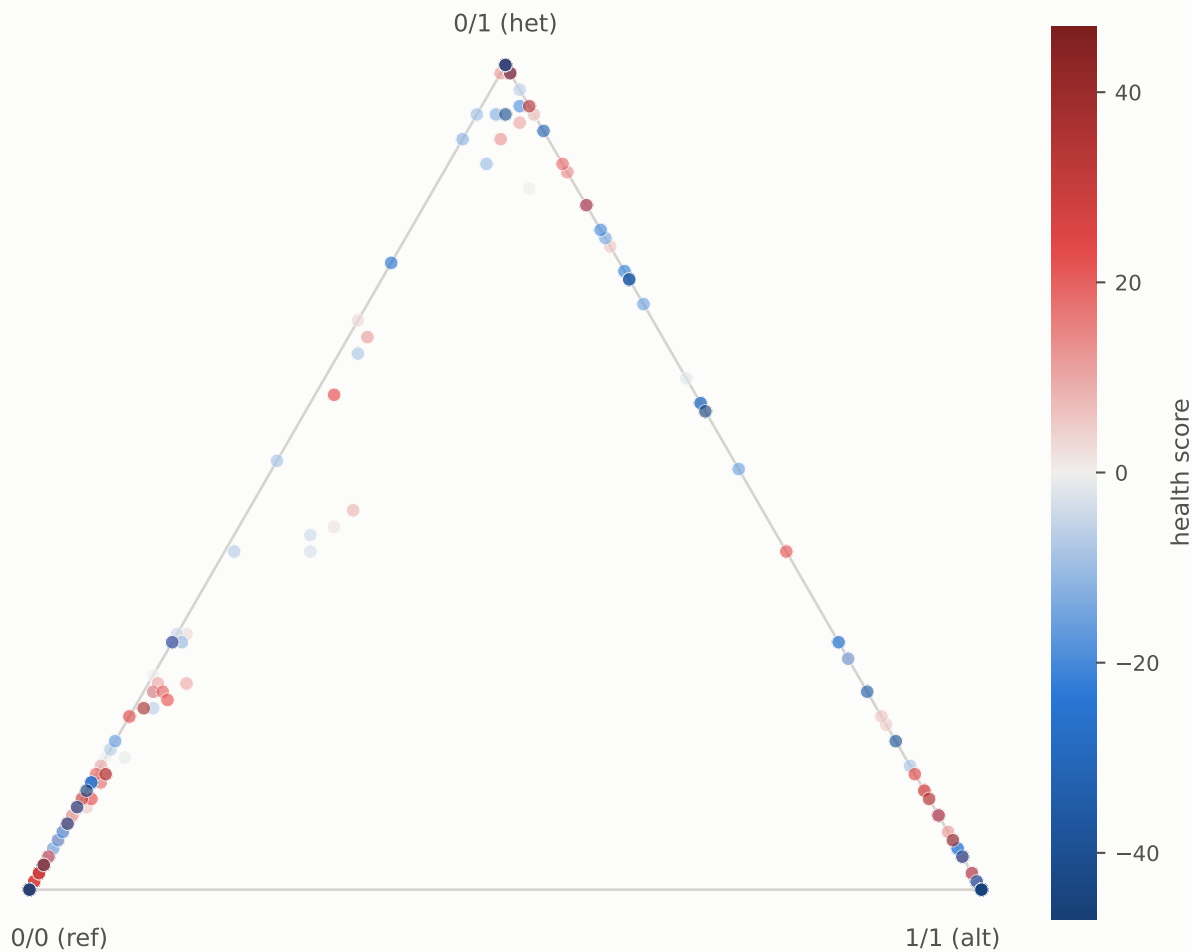
#79 by health association CHR\_11:4,254,115 G>T  
AF=0.48 DR2=0.95  $r=-0.205$   $\bar{H}=0.064$   $F=12.0$



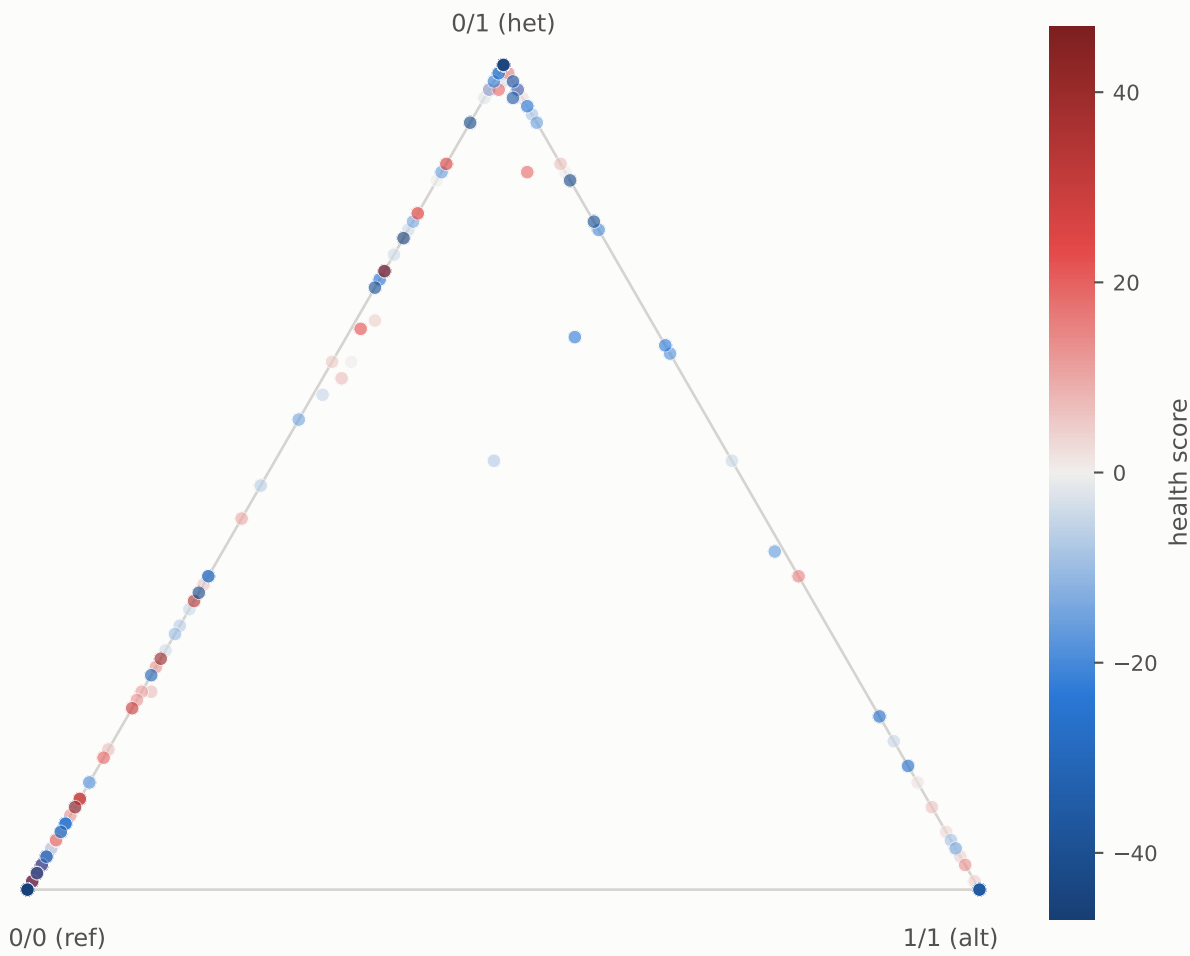
#80 by health association CHR\_01:43,424,036 G>A  
AF=0.056 DR2=0.88 r=-0.204 H=0.045 F=9.2



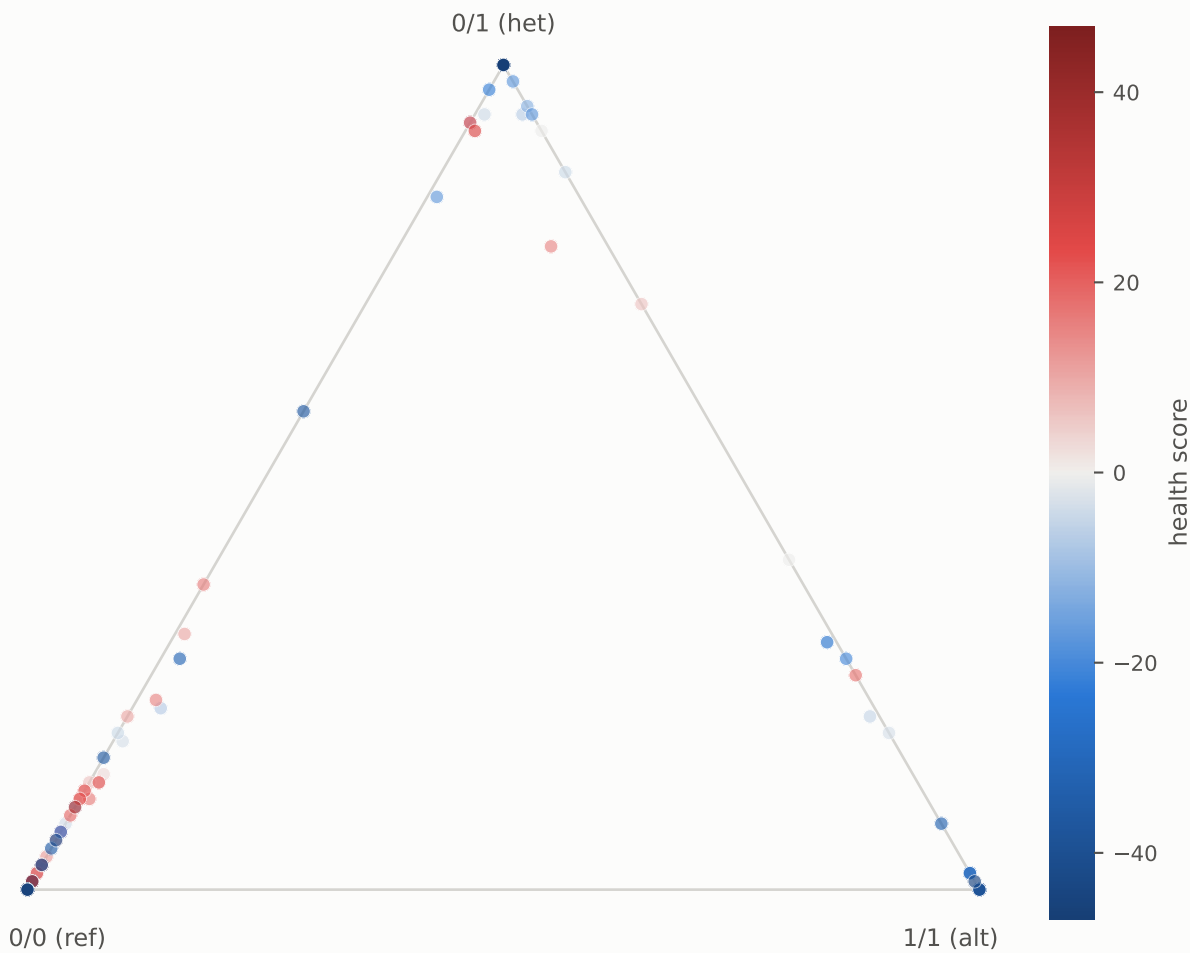
#81 by health association CHR\_19:6,219,475 T>C  
AF=0.38 DR2=0.92  $r=-0.204$  H=0.130 F=8.4



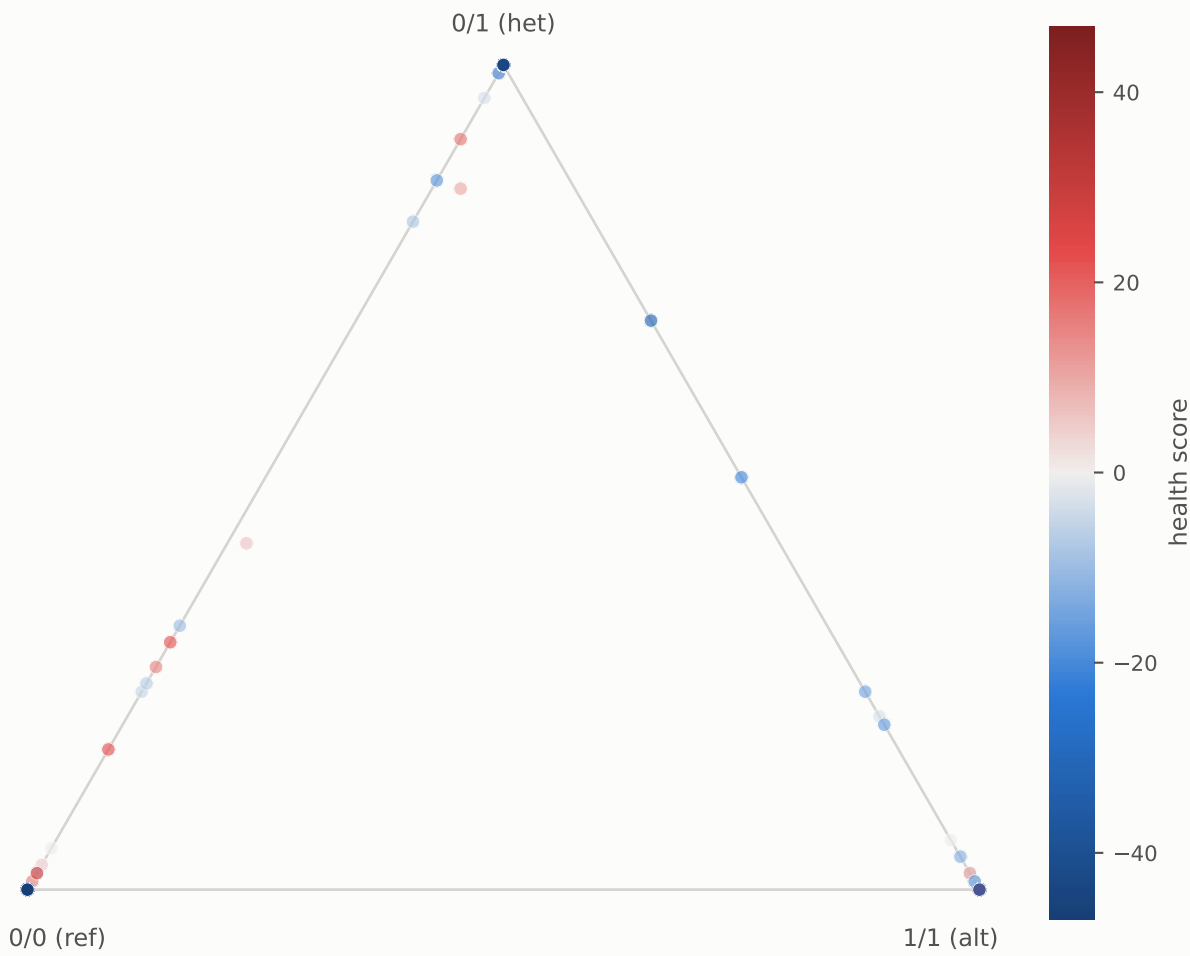
#82 by health association CHR\_10:26,867,478 T>C  
AF=0.16 DR2=0.91 r=-0.204 H=0.111 F=9.9



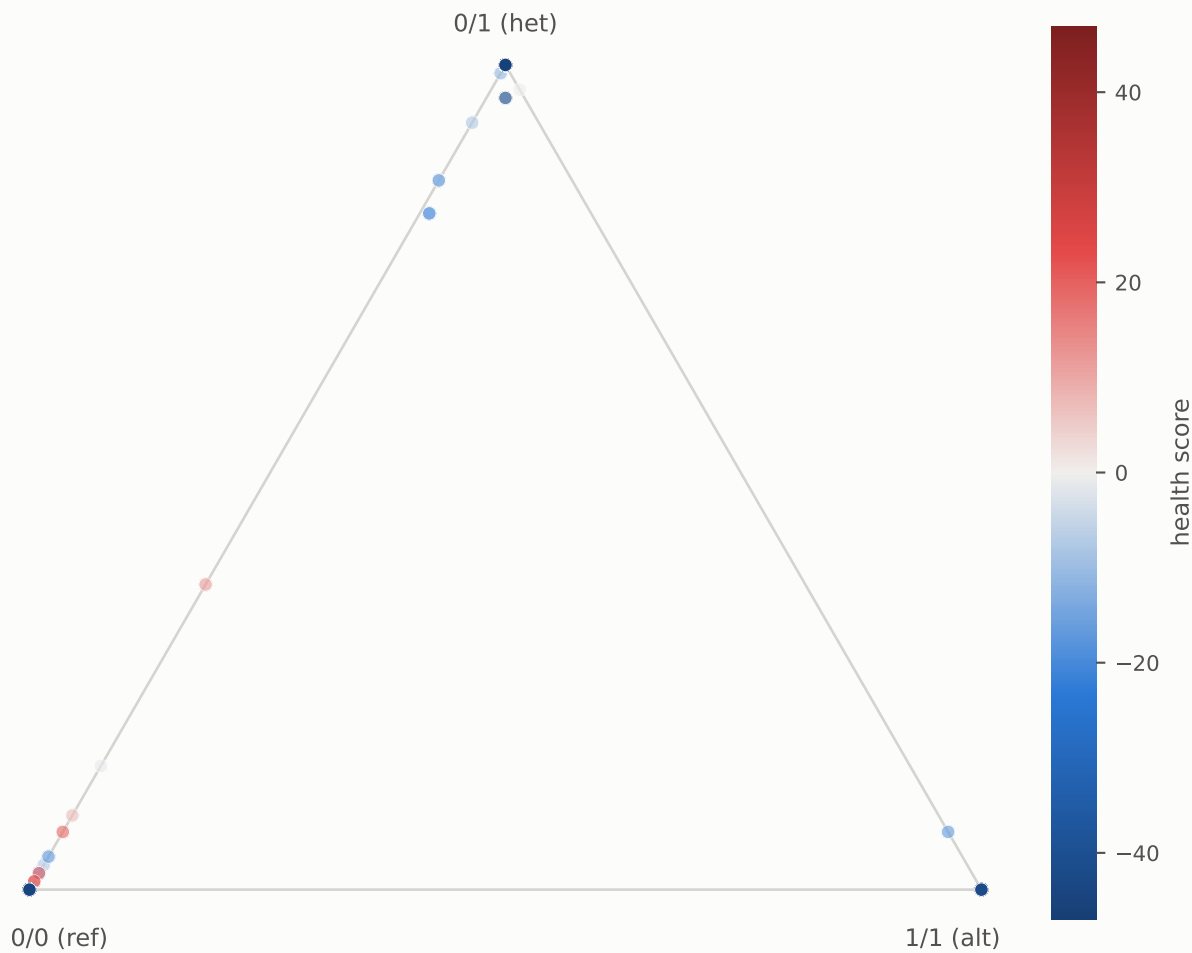
#83 by health association CHR\_14:26,536,039 C>T  
AF=0.2 DR2=0.94  $r=-0.203$   $\bar{H}=0.050$   $F=10.7$



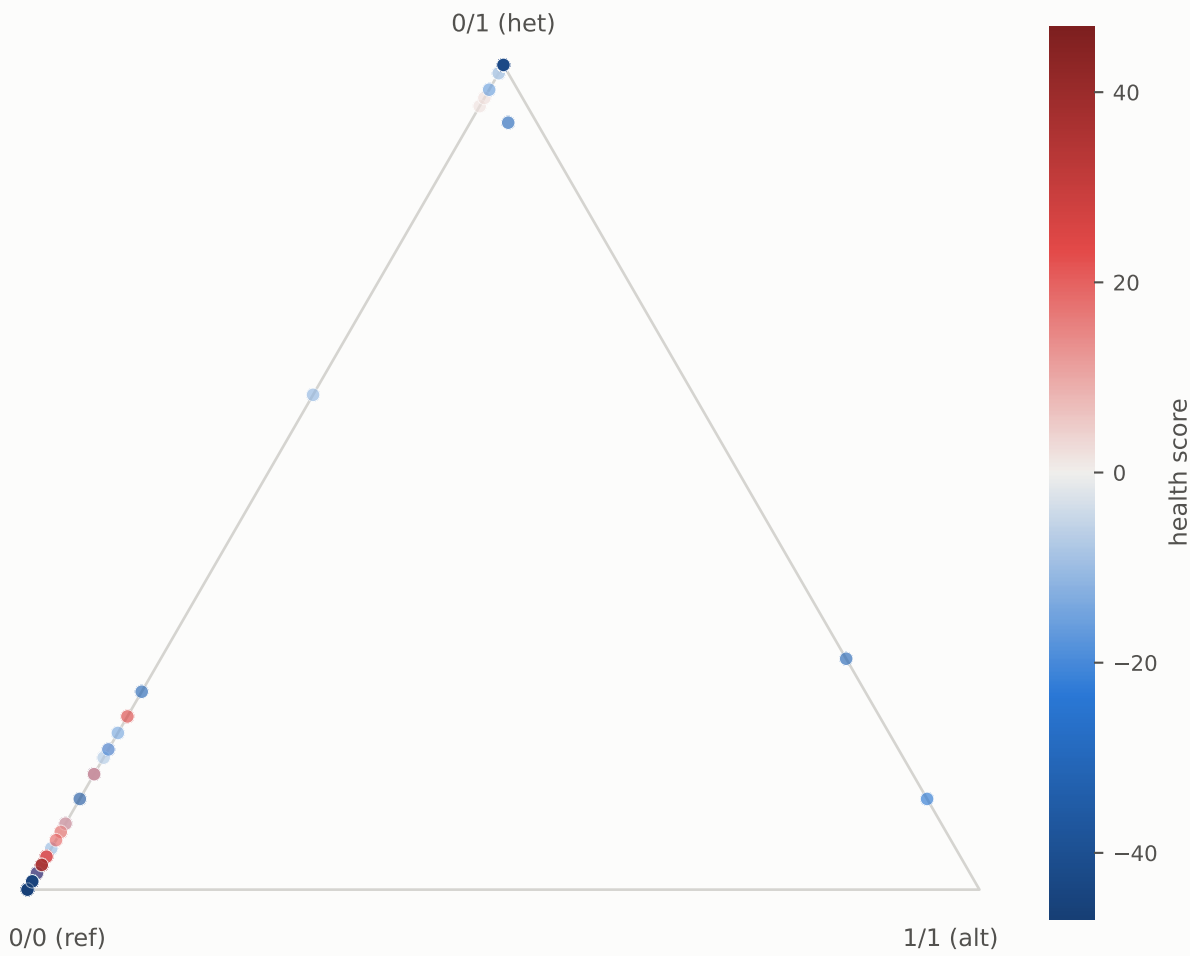
#84 by health association CHR\_07:5,955,976 A>G  
AF=0.13 DR2=0.97  $r=-0.203$   $H=0.024$   $F=10.3$



#85 by health association CHR\_05:12,000,283 C>T  
AF=0.066 DR2=0.98 r=-0.203 H=0.010 F=11.1

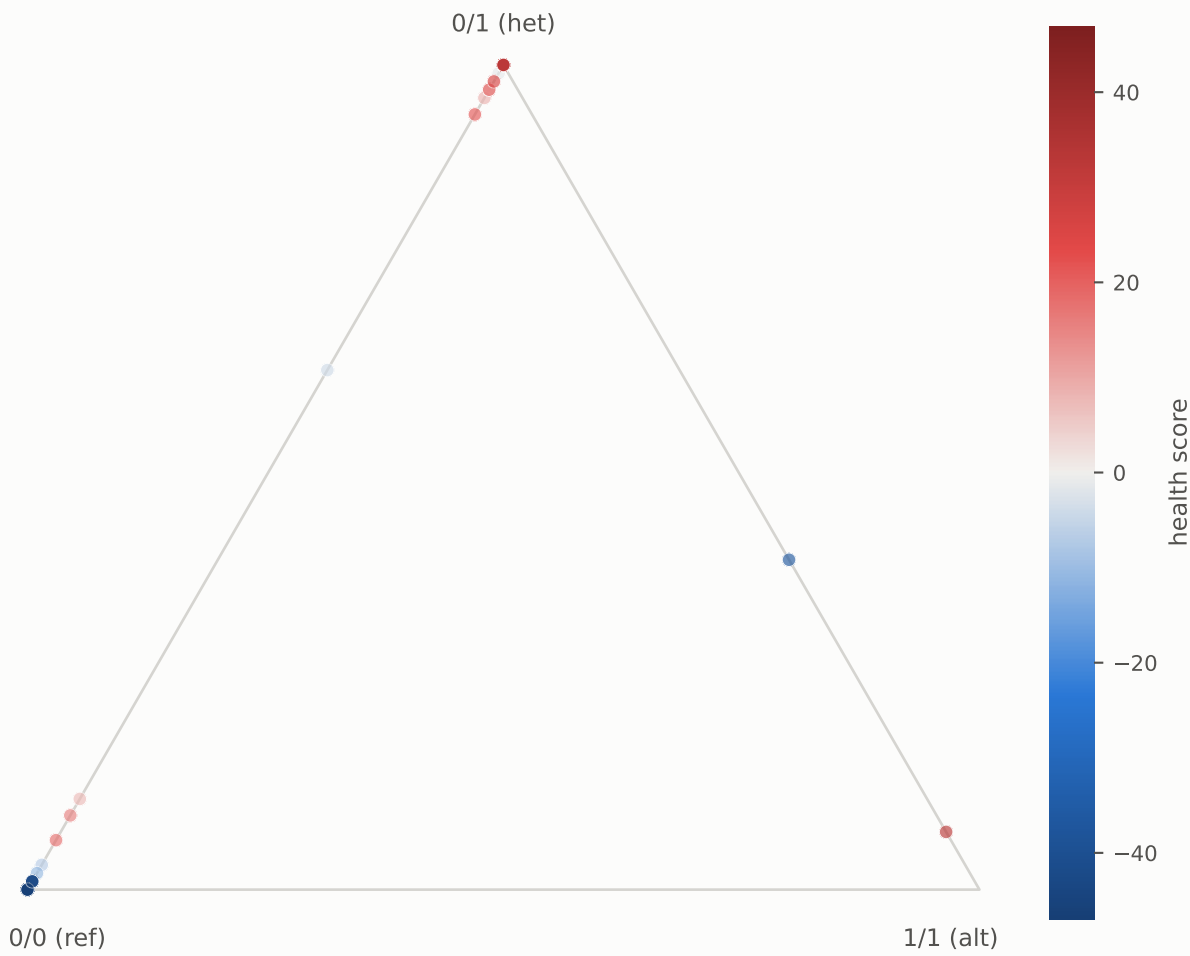


#86 by health association CHR\_02:18,196,808 C>T  
AF=0.035 DR2=0.88 r=-0.203 H=0.033 F=13.6

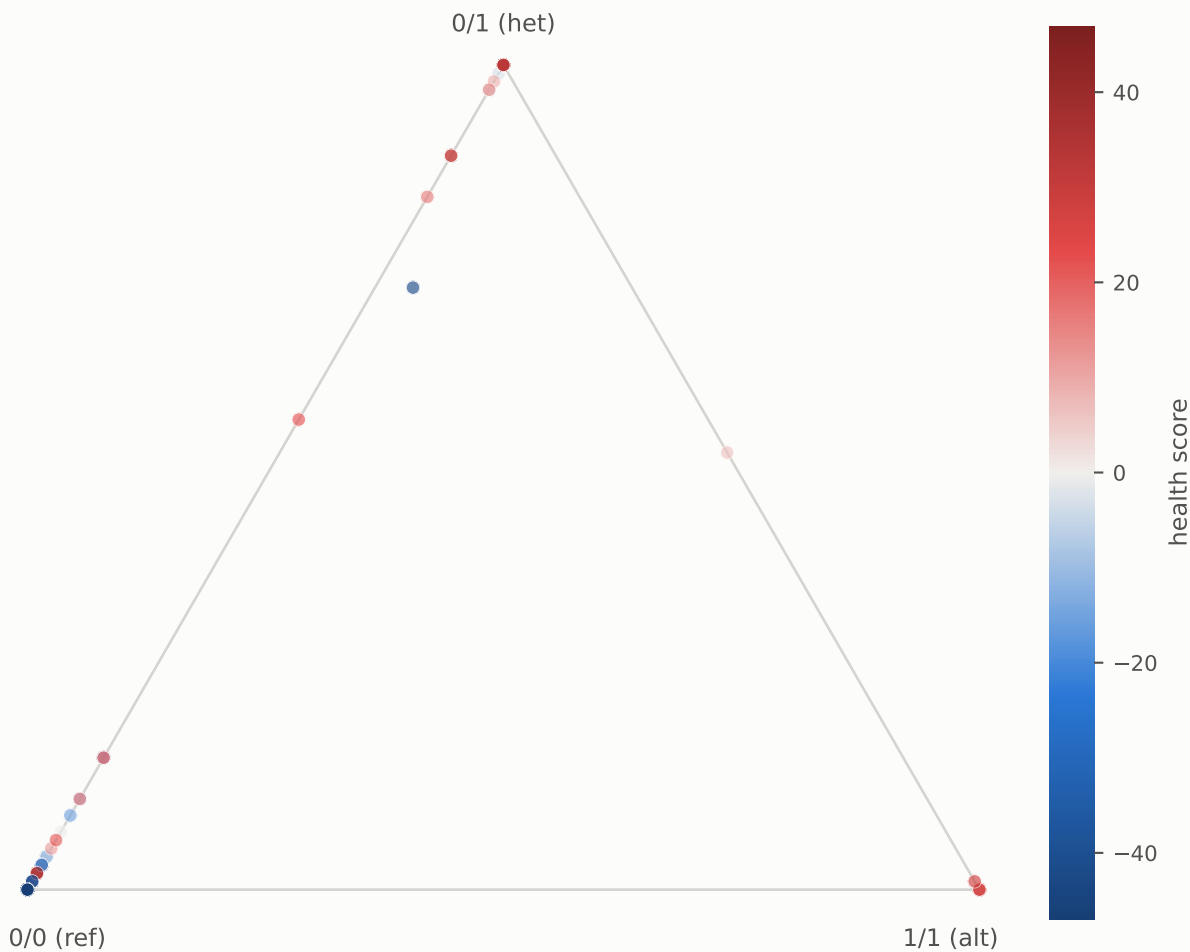




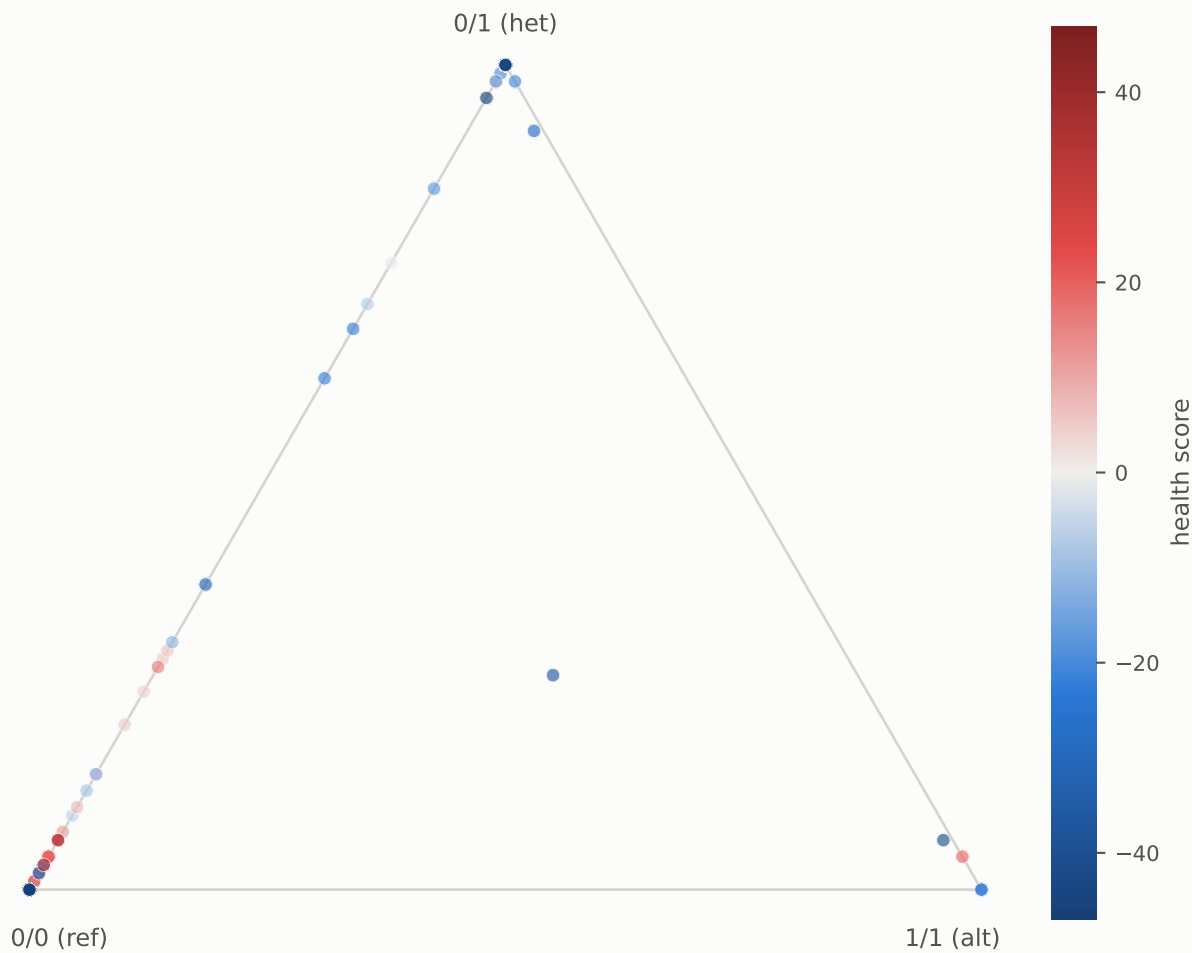
#87 by health association CHR\_16:6,846,077 C>A  
AF=0.048 DR2=0.97 r=+0.203 H=0.009 F=21.6



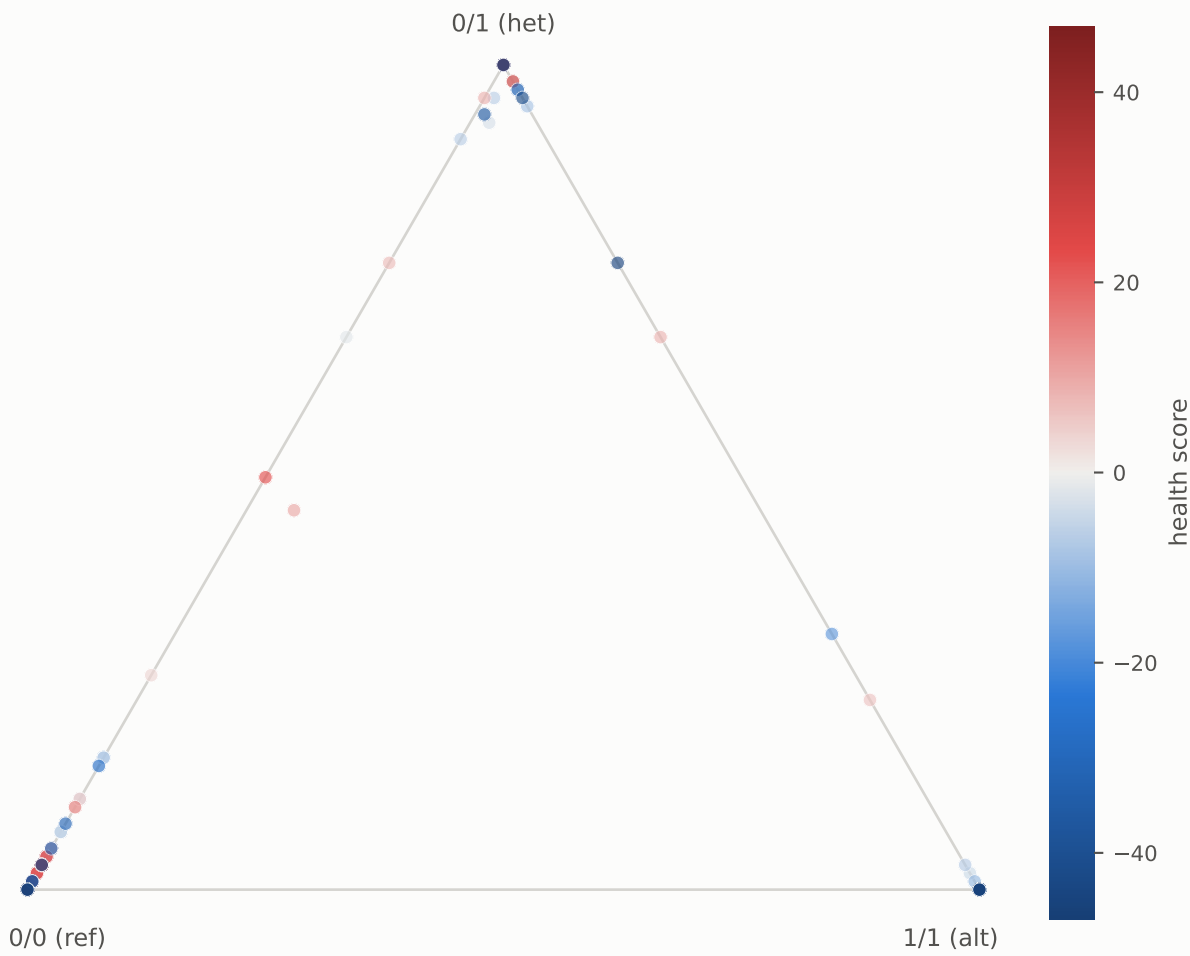
#88 by health association CHR\_04:40,757,575 T>C  
AF=0.057 DR2=0.94  $r=+0.203$  H=0.020 F=11.9



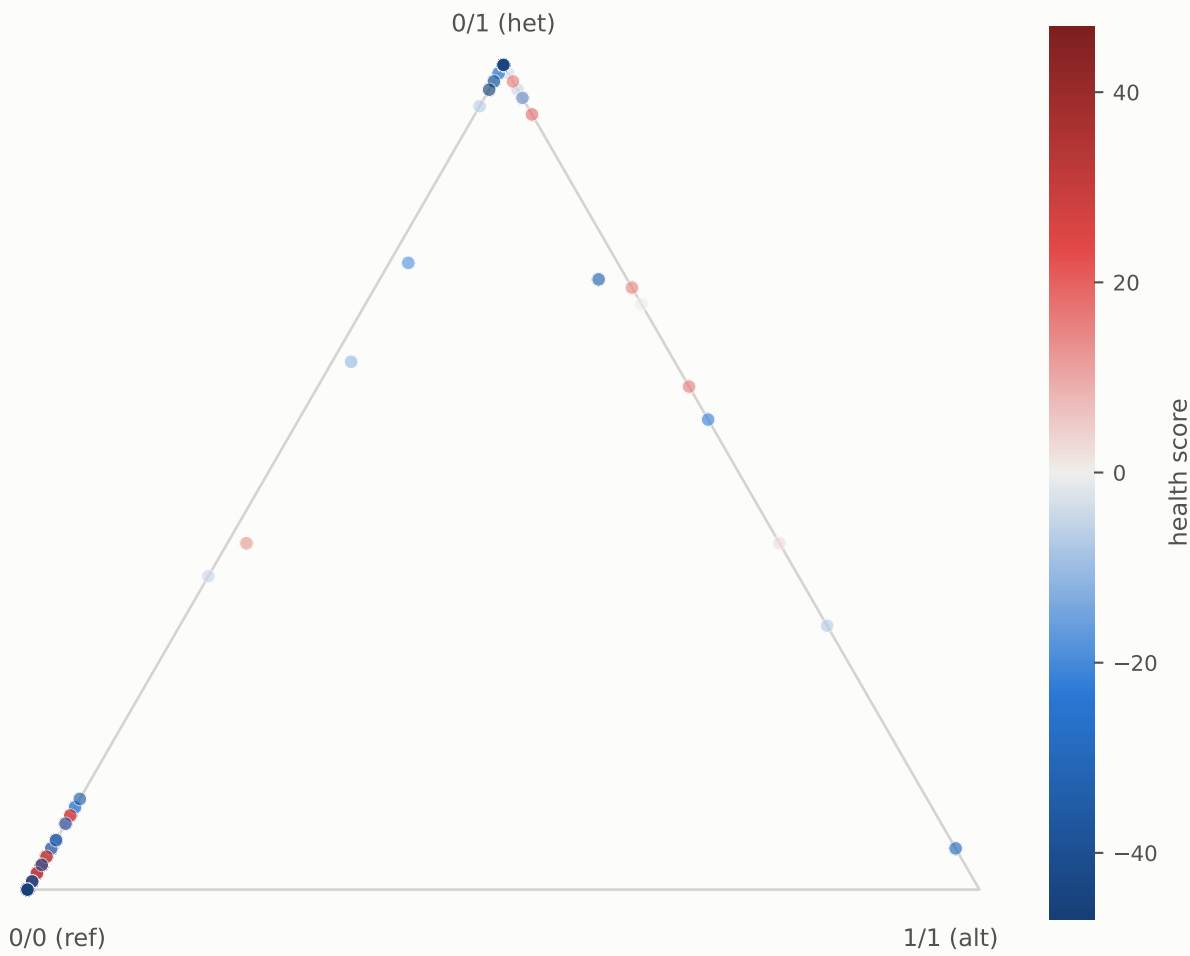
#89 by health association CHR\_21:4,101,895 C>T  
AF=0.086 DR2=0.94 r=-0.203 H=0.032 F=10.7



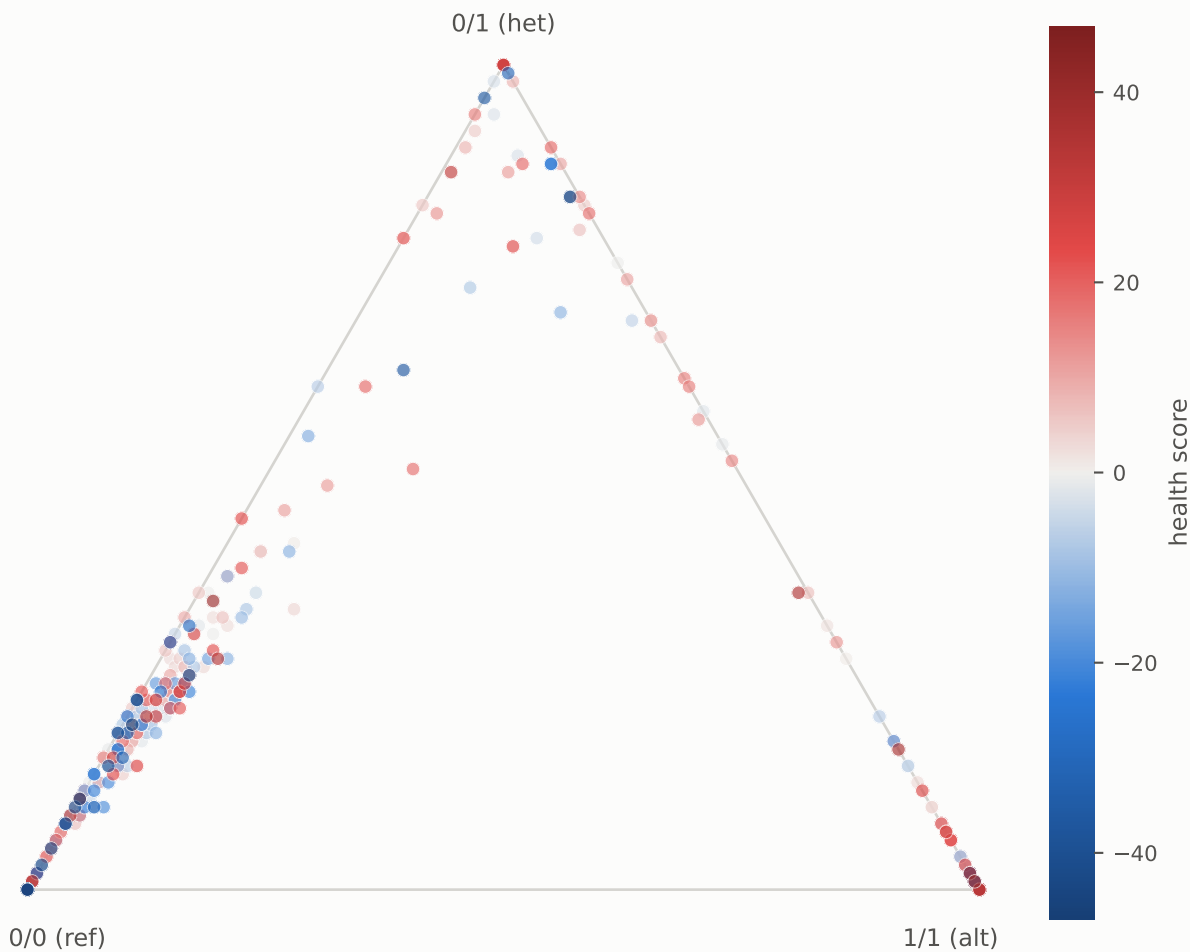
#90 by health association CHR\_20:14,799,949 C>T  
AF=0.084 DR2=0.95  $r=-0.203$  H=0.037 F=9.5



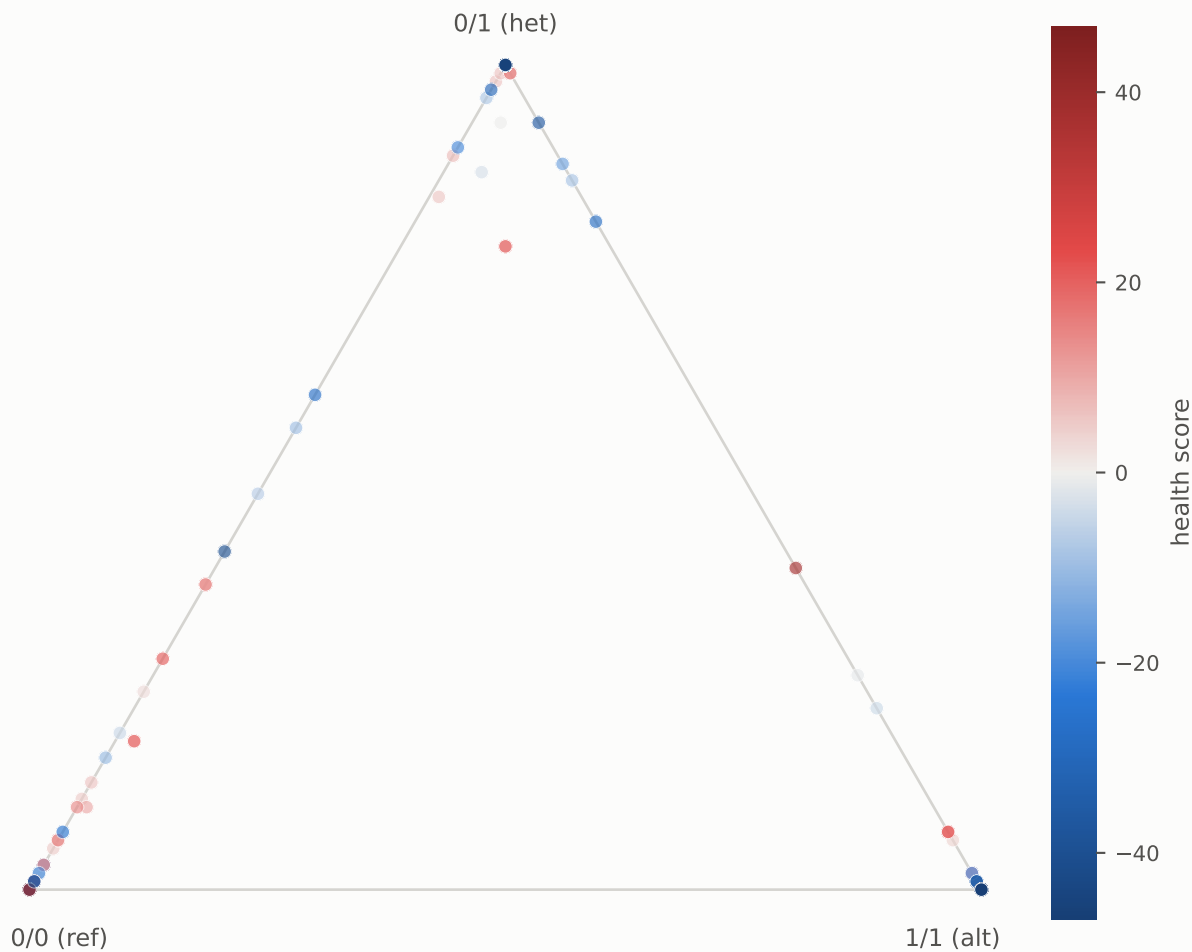
#91 by health association CHR\_10:29,667,979 C>T  
AF=0.092 DR2=0.9 r=-0.203 H=0.046 F=18.4



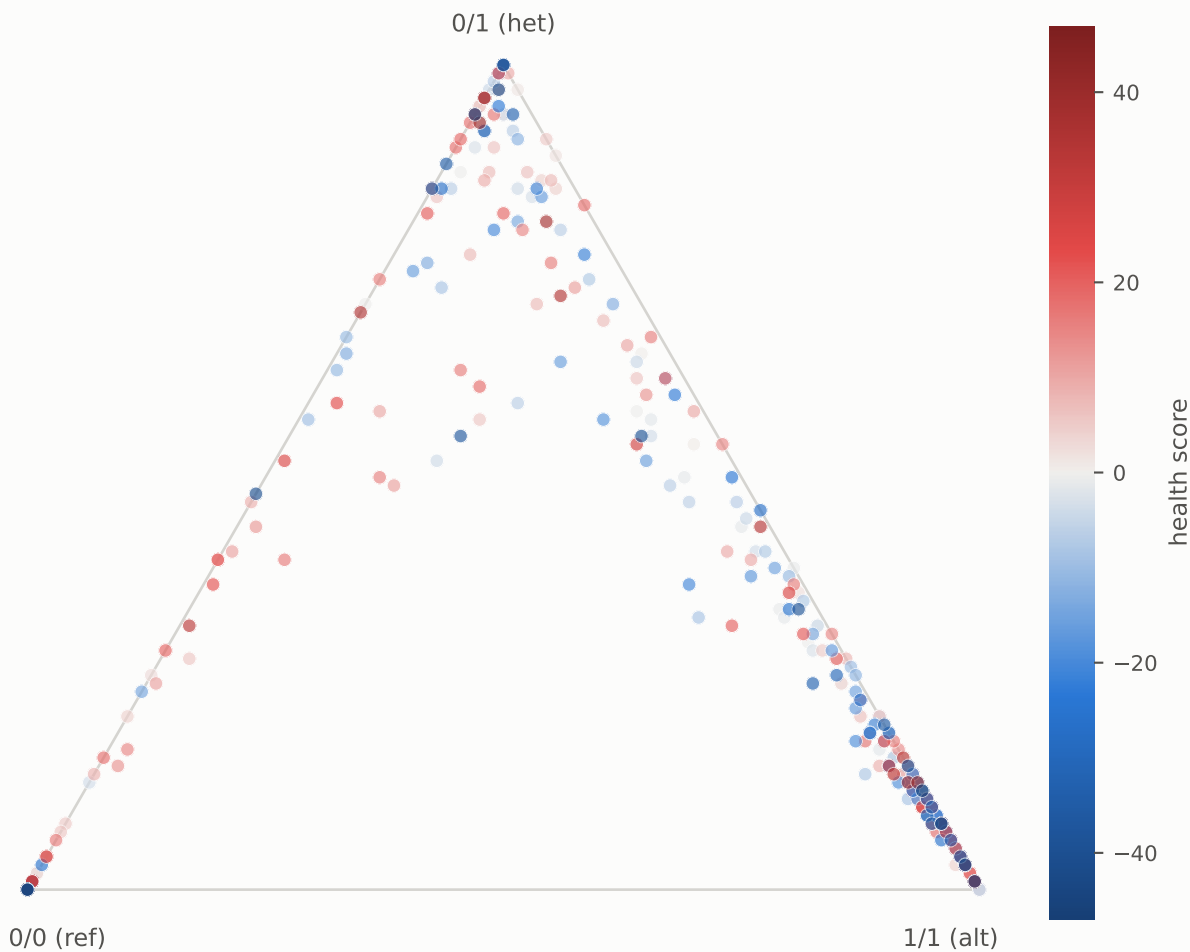
#92 by health association CHR\_04:28,378,359 T>C  
AF=0.32 DR2=0.82  $r=+0.202$  H=0.318 F=9.2



#93 by health association CHR\_05:29,916,712 C>T  
AF=0.33 DR2=0.97  $r=-0.202$   $H=0.041$   $F=9.6$

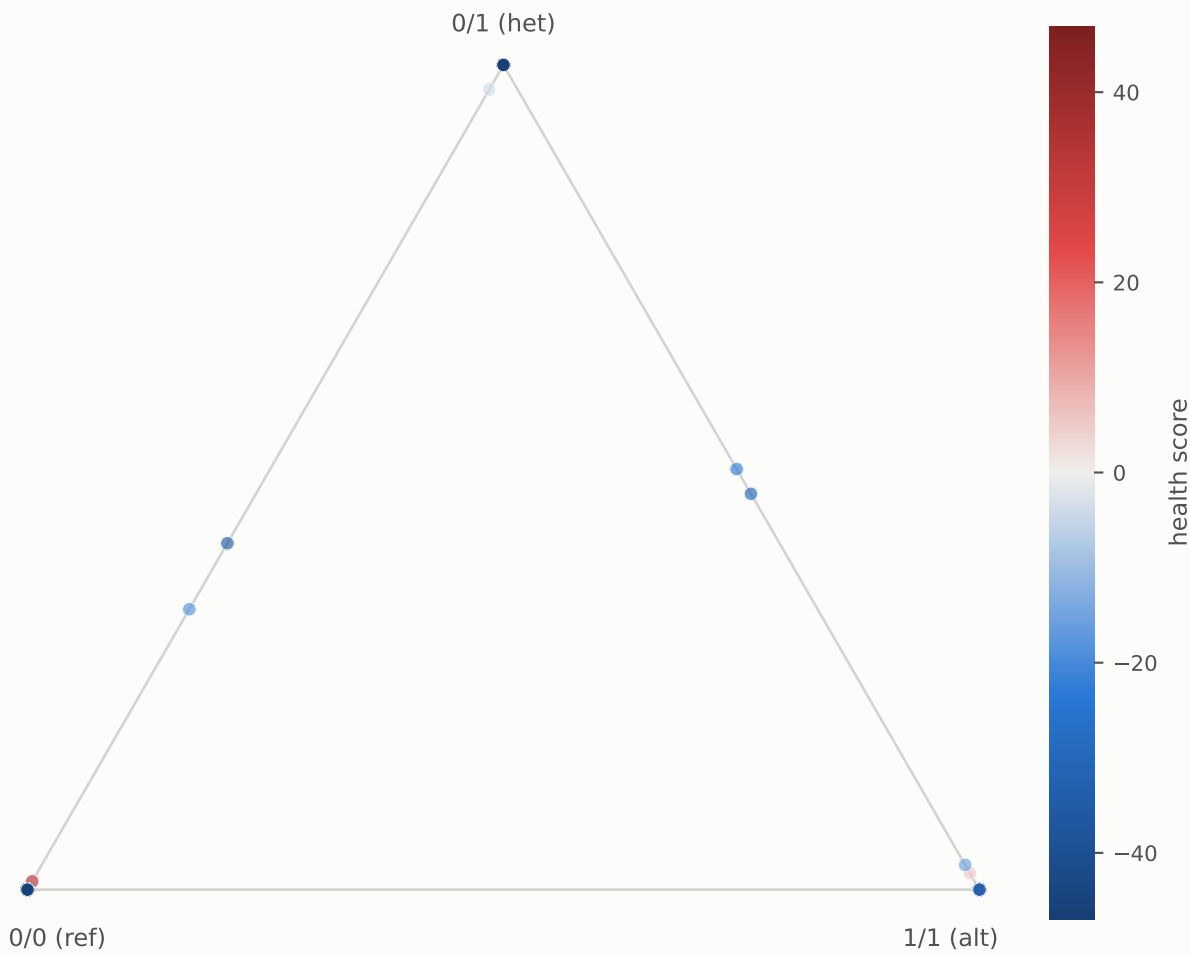


#94 by health association CHR\_11:21,699,812 G>A  
AF=0.54 DR2=0.81  $r=-0.202$   $H=0.362$   $F=9.9$

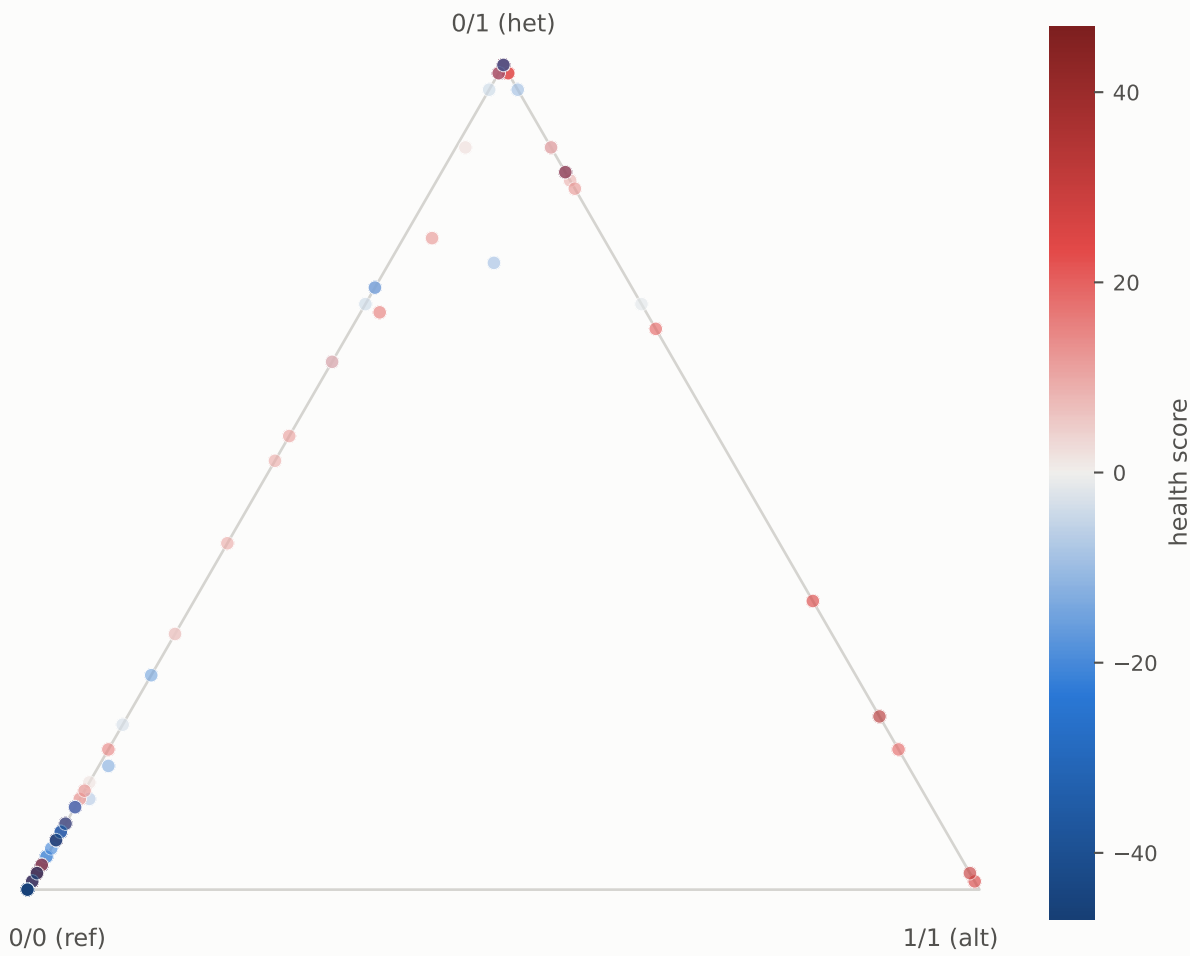




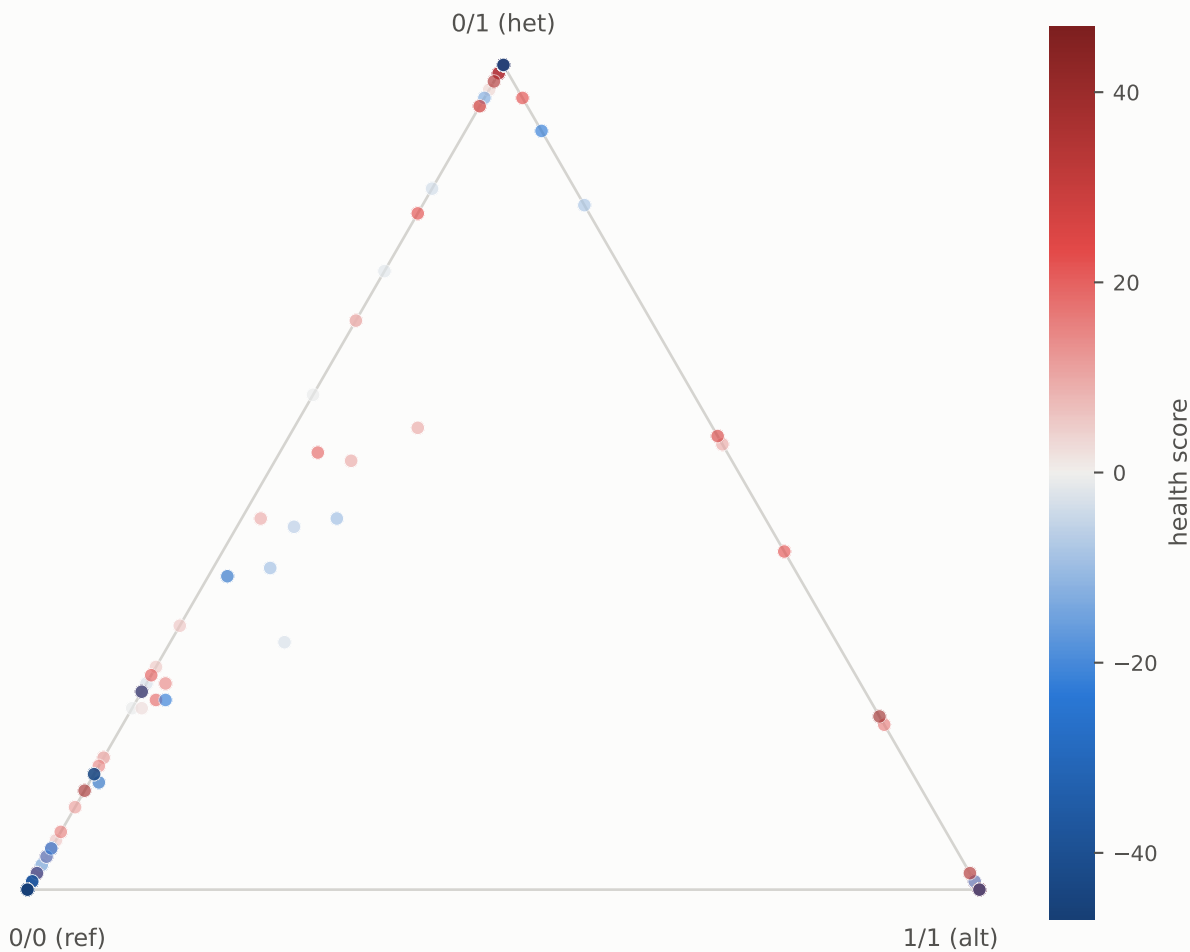
#95 by health association CHR\_21:22,016,548 A>G  
AF=0.029 DR2=0.97  $r=-0.202$  H=0.007 F=9.5



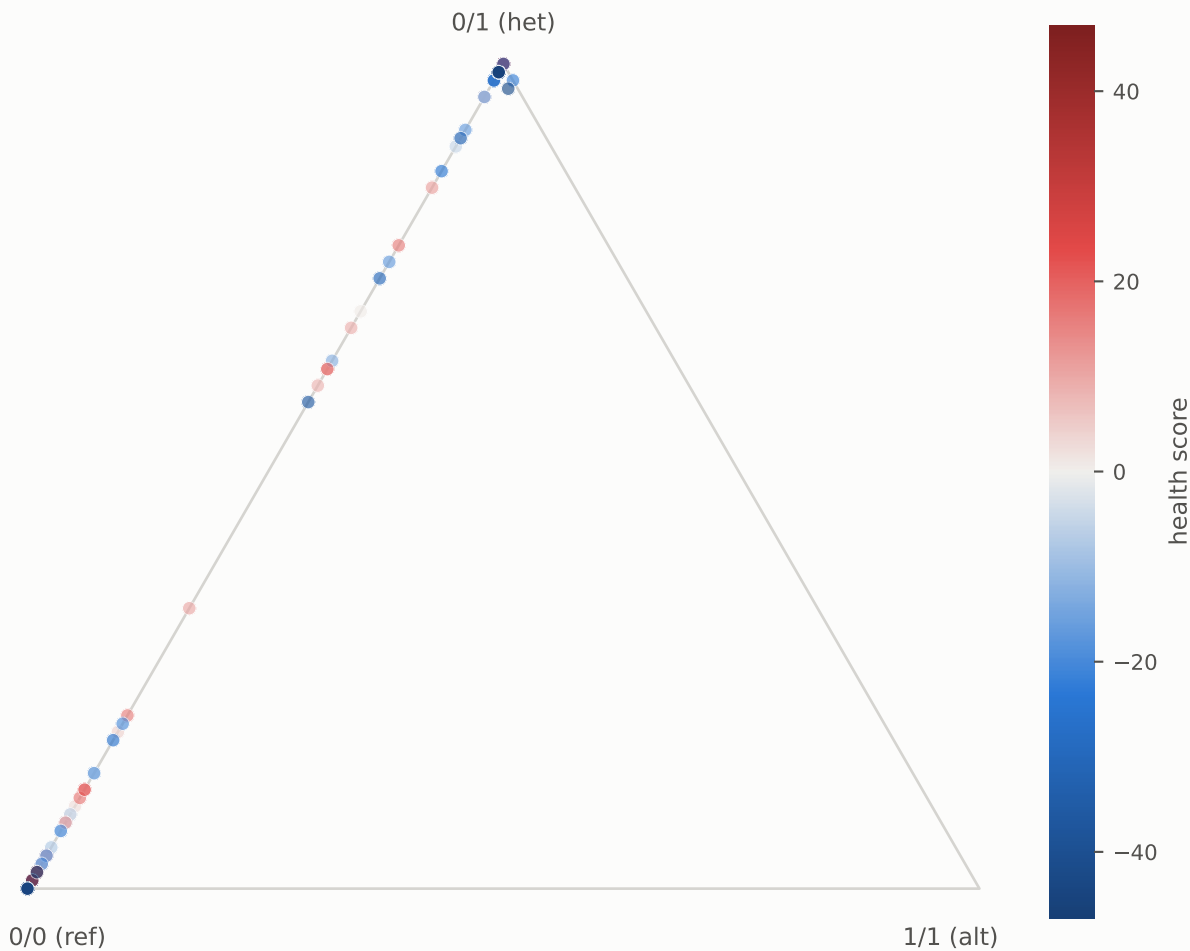
#96 by health association CHR\_08:2,173,777 T>G  
AF=0.078 DR2=0.87 r=+0.202 H=0.070 F=10.7



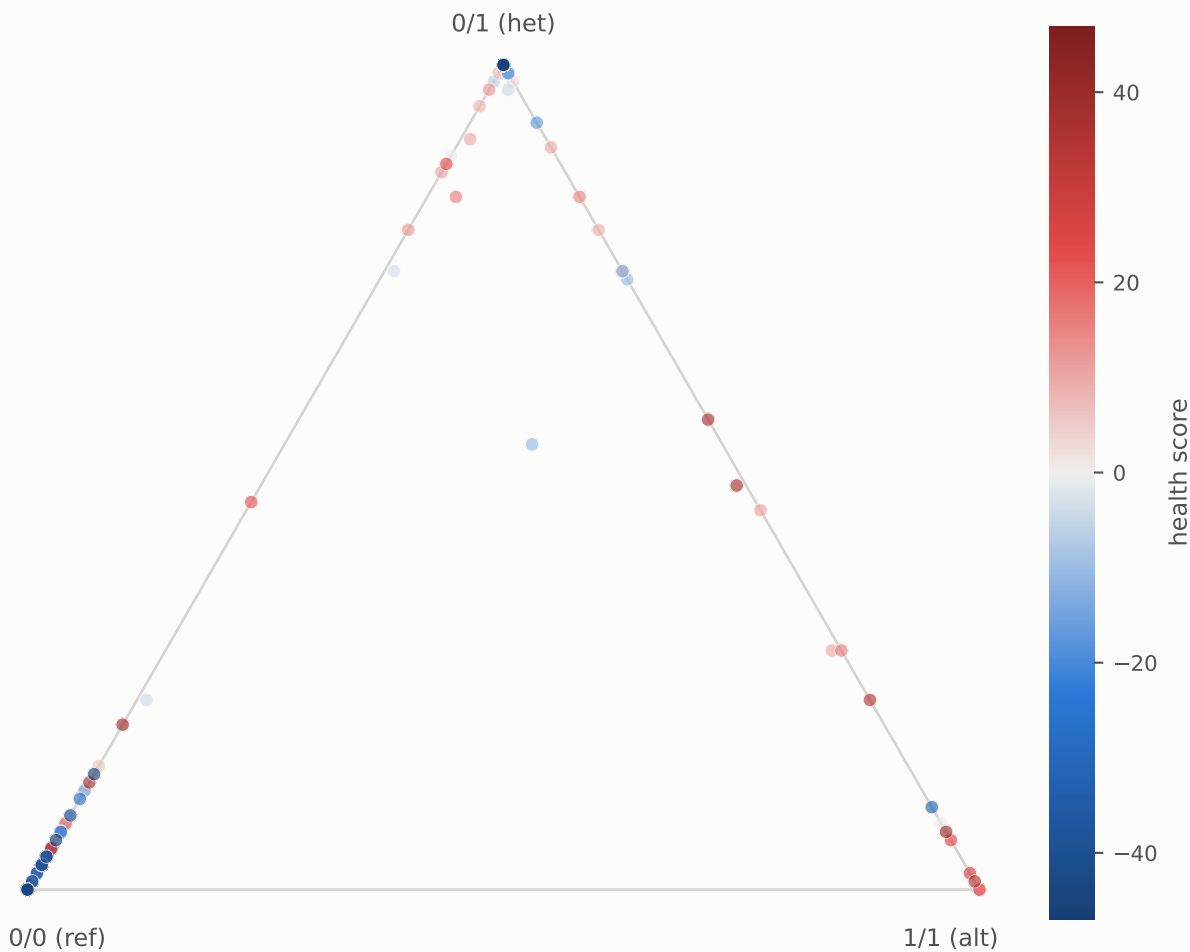
#97 by health association CHR\_07:17,372,957 G>T  
AF=0.28 DR2=0.92 r=+0.202 H=0.069 F=10.4



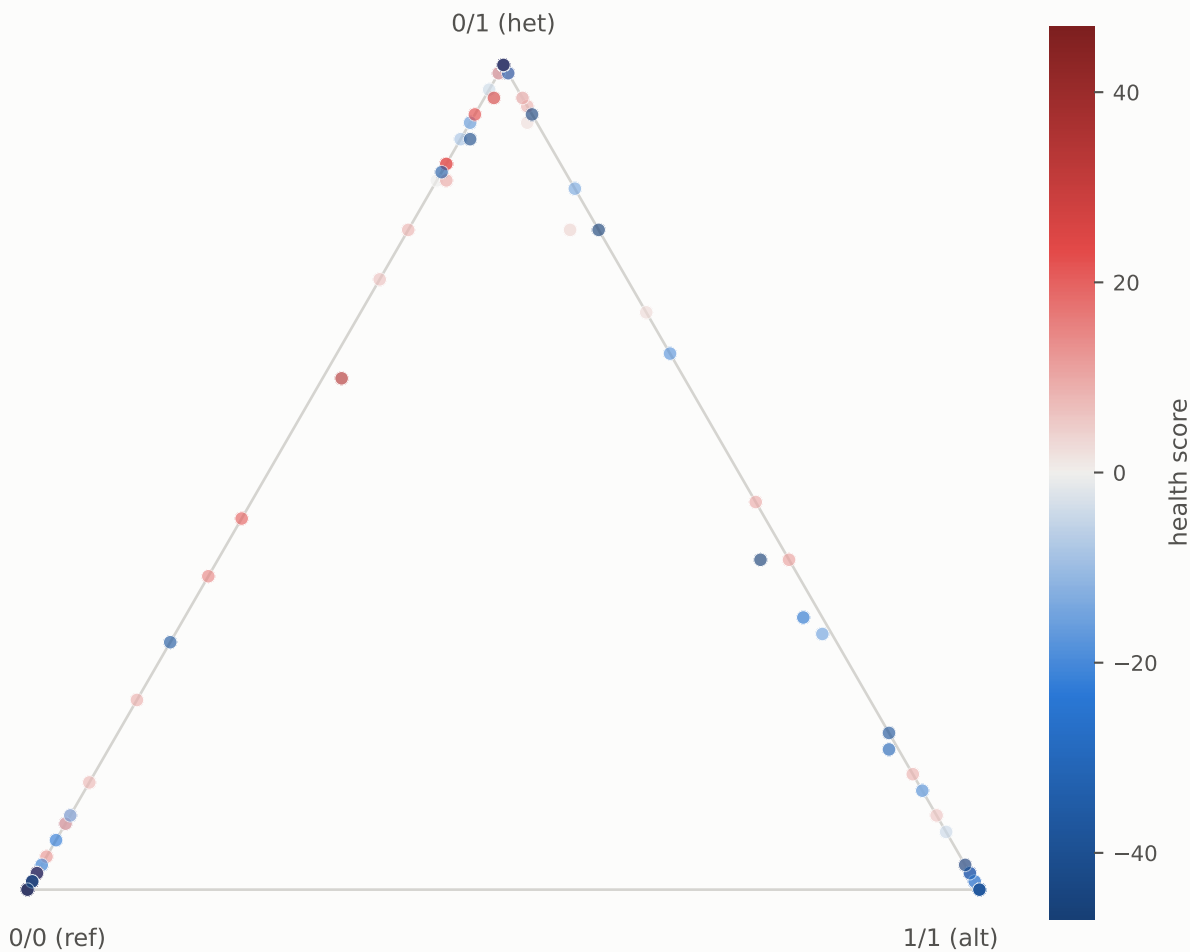
#98 by health association unpl-scaff\_074:35,951 G>A  
AF=0.07 DR2=0.89 r=-0.201 H=0.043 F=17.8



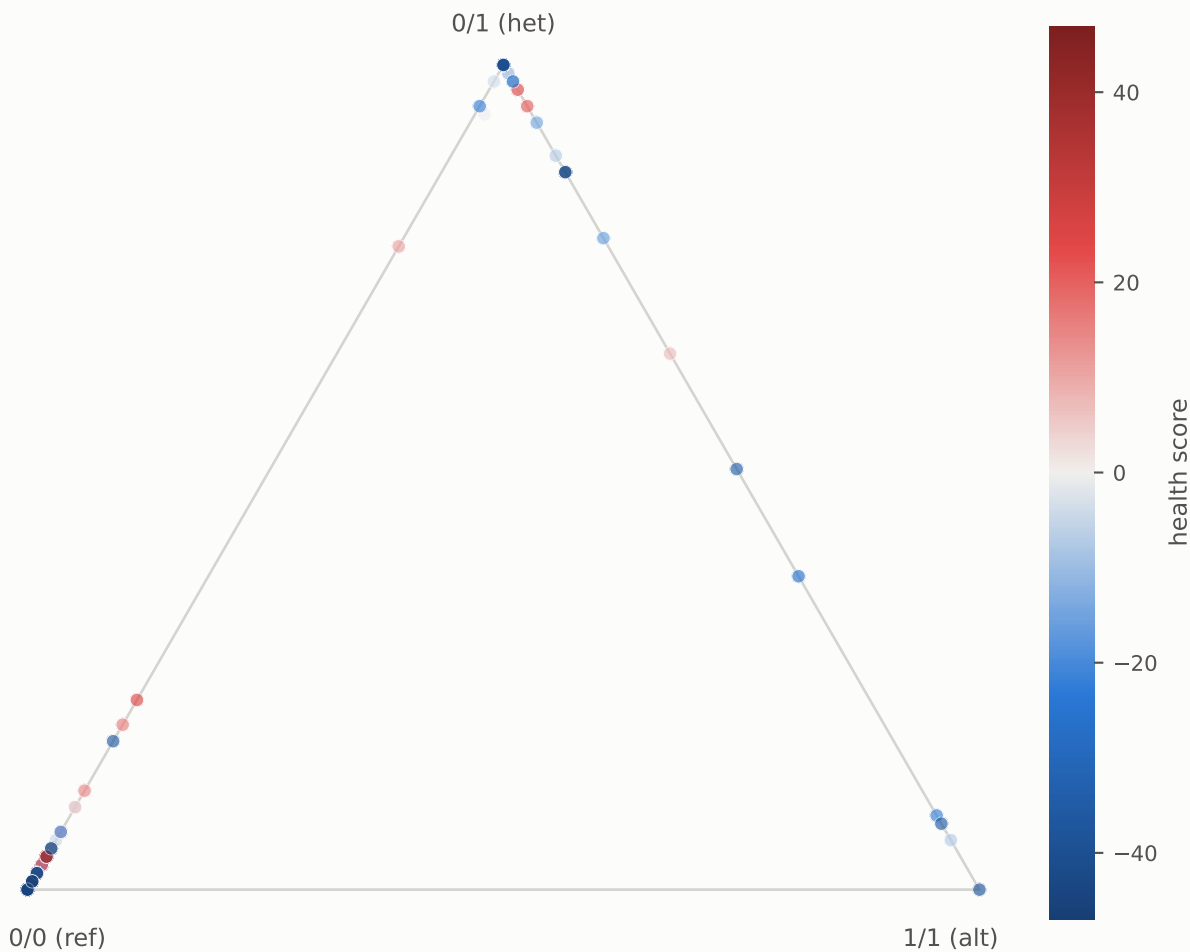
#99 by health association CHR\_03:30,511,686 C>A  
AF=0.15 DR2=0.93 r=+0.201 H=0.059 F=11.1



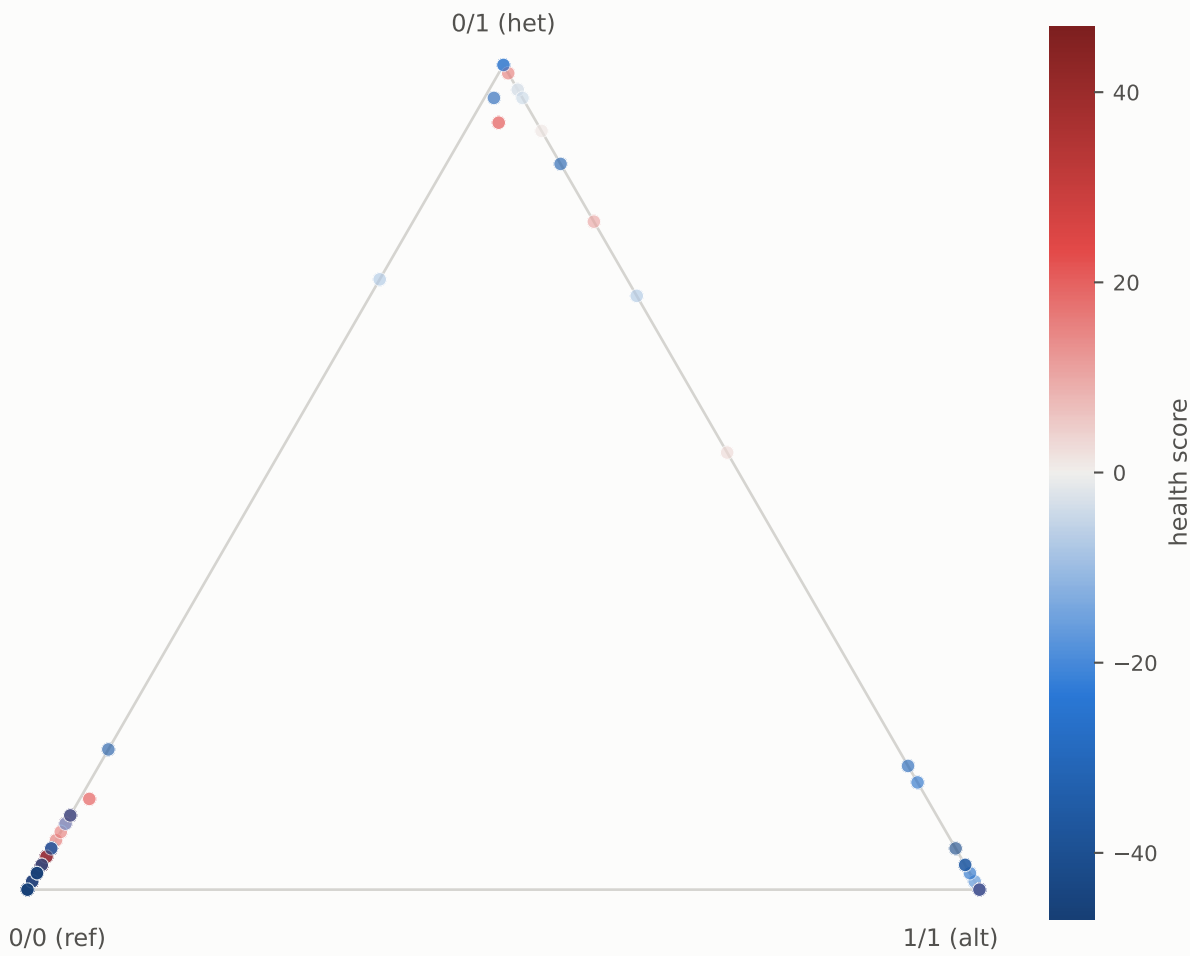
#100 by health association unpl-scaff\_311:3,436 T>C  
AF=0.15 DR2=0.95  $r=-0.201$   $H=0.057$   $F=9.6$



#101 by health association CHR\_07:4,615,625 G>A  
AF=0.058 DR2=0.91 r=-0.201 H=0.045 F=9.5

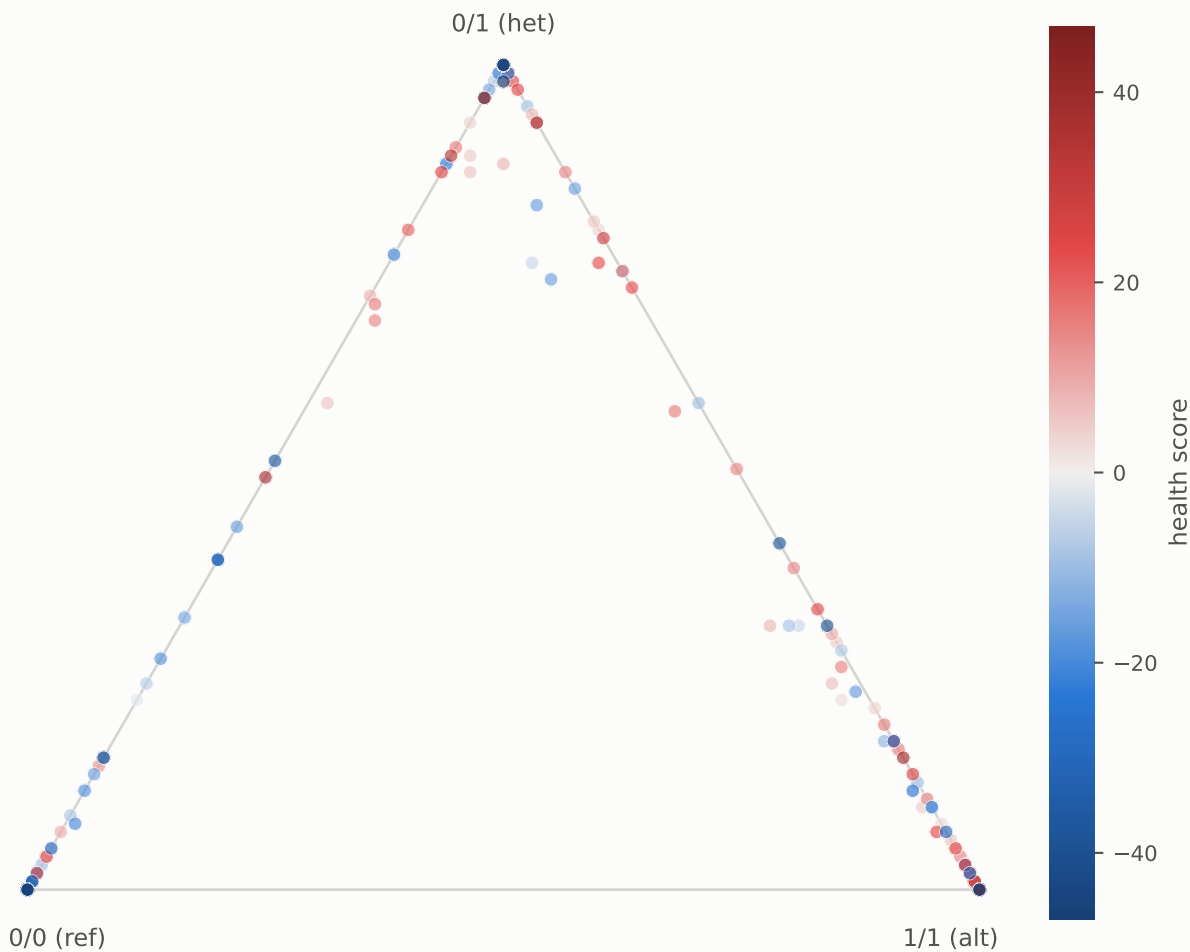


#102 by health association CHR\_11:26,302,907 T>C  
AF=0.07 DR2=0.92  $r=-0.201$   $H=0.063$   $F=10.1$

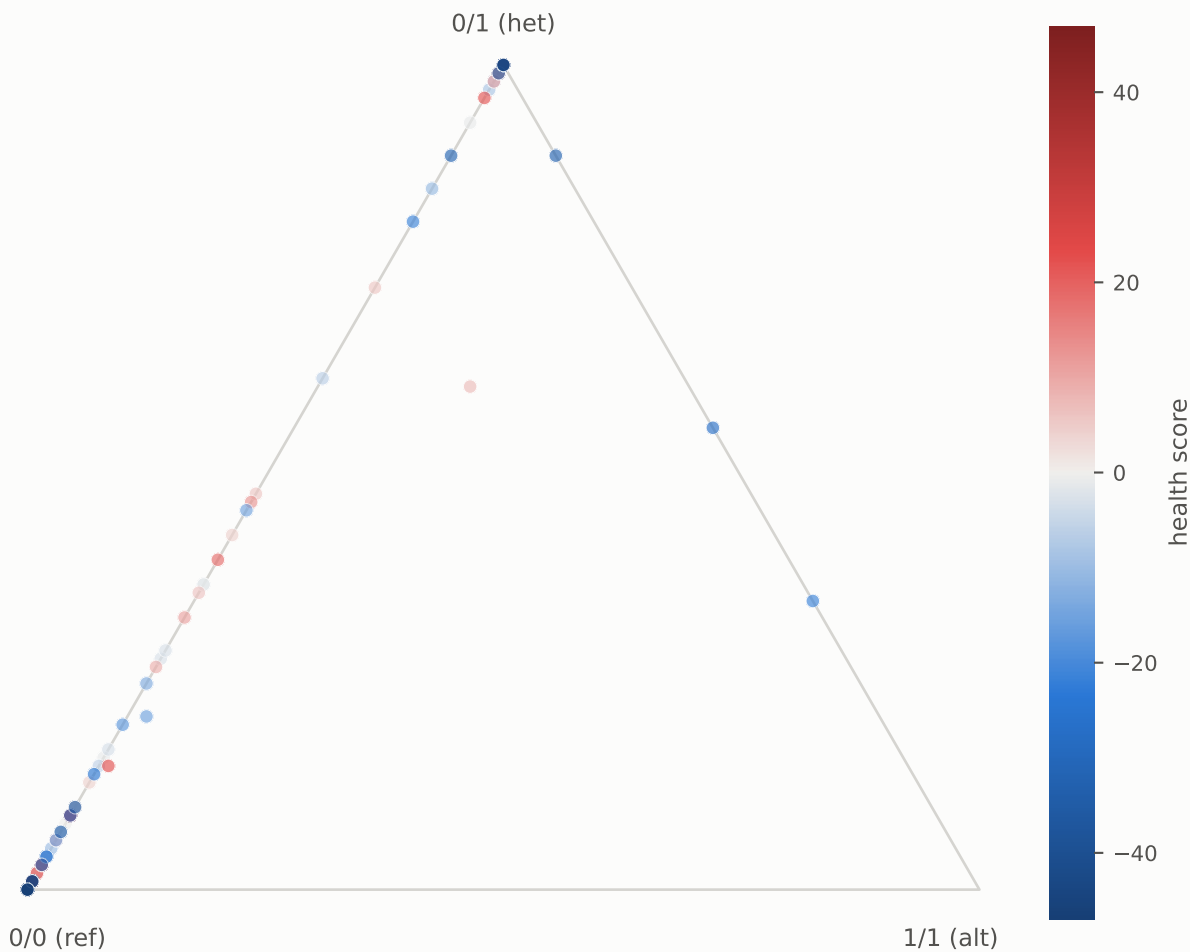




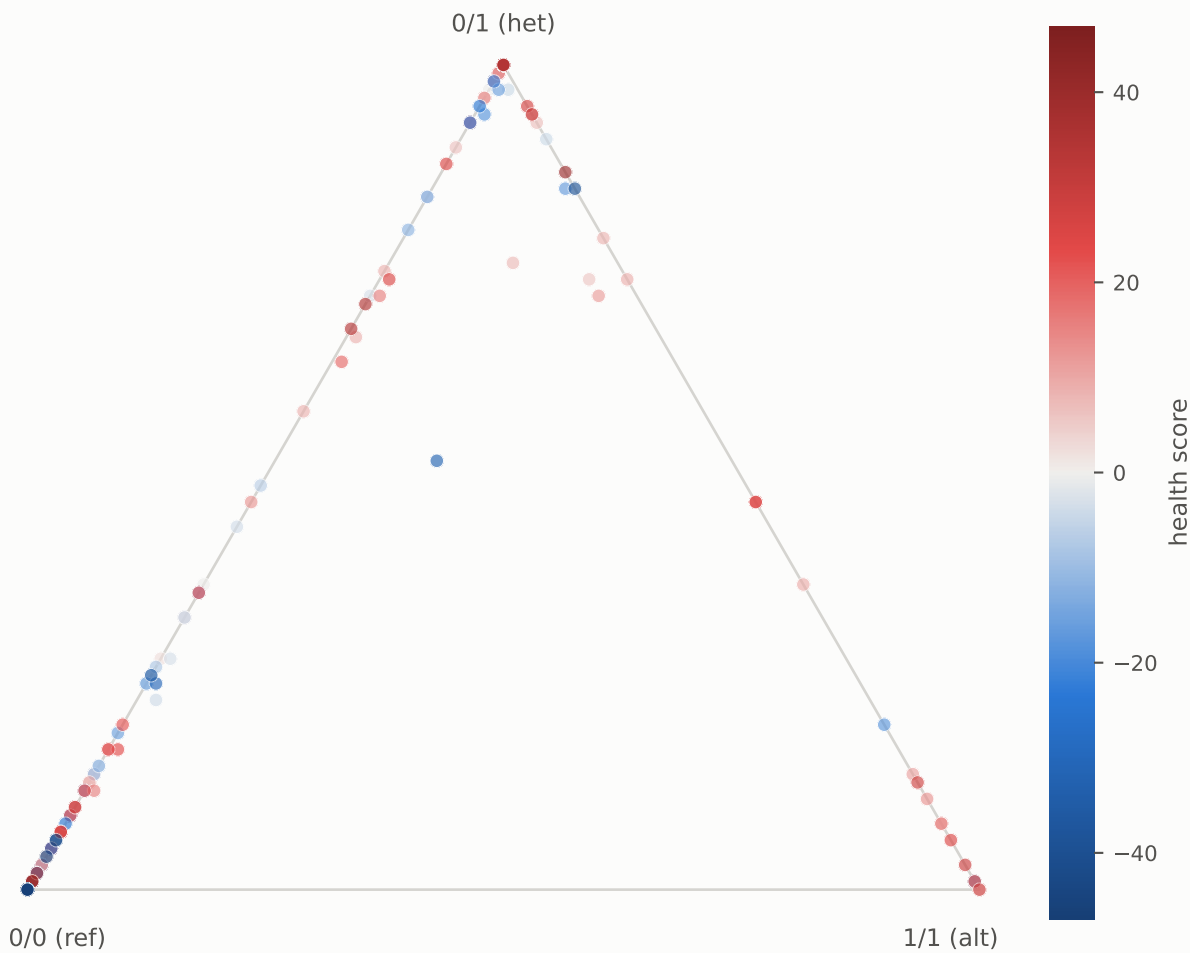
#103 by health association CHR\_01:54,353,939 T>C  
AF=0.53 DR2=0.95 r=+0.201 H=0.111 F=10.2



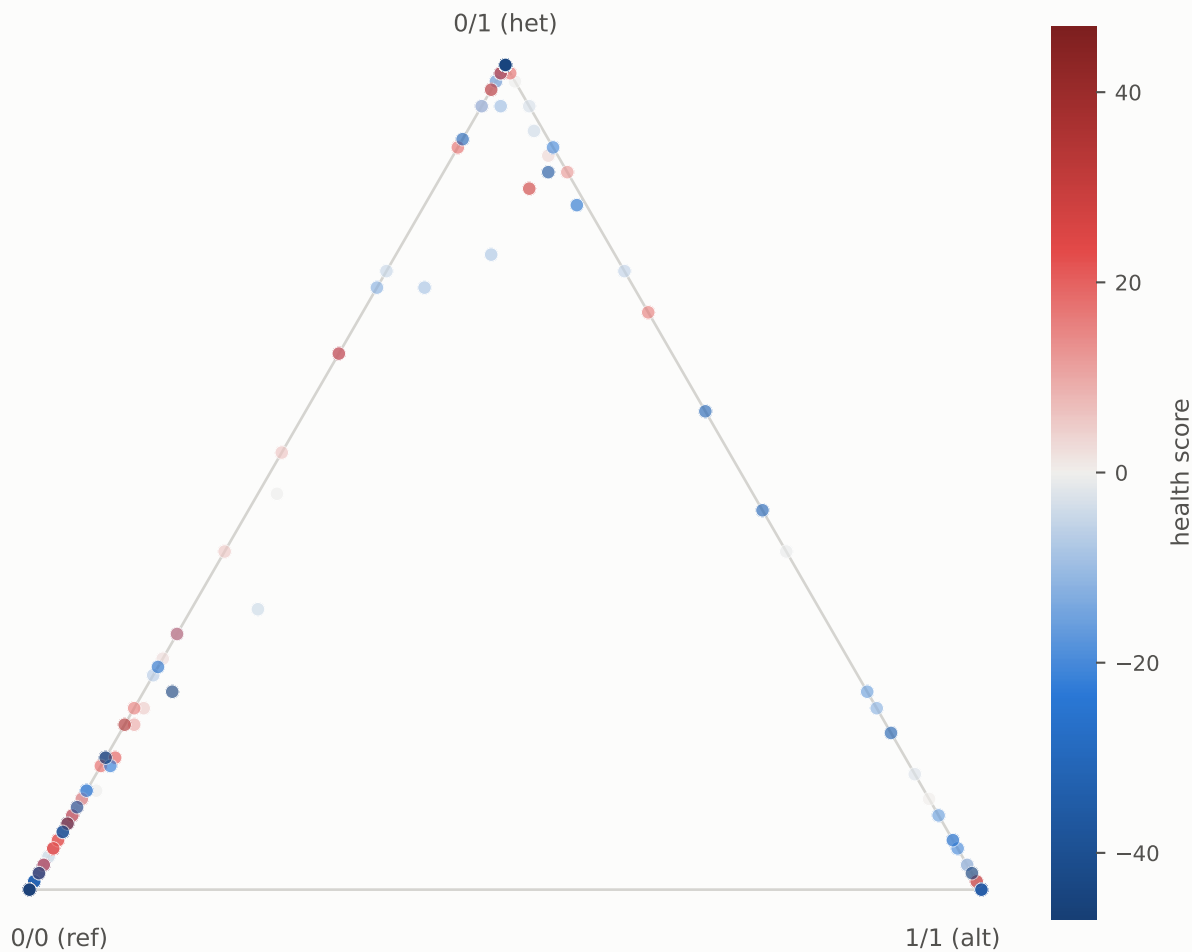
#104 by health association CHR\_23:2,462,770 T>C  
AF=0.062 DR2=0.83 r=-0.200 H=0.059 F=16.6



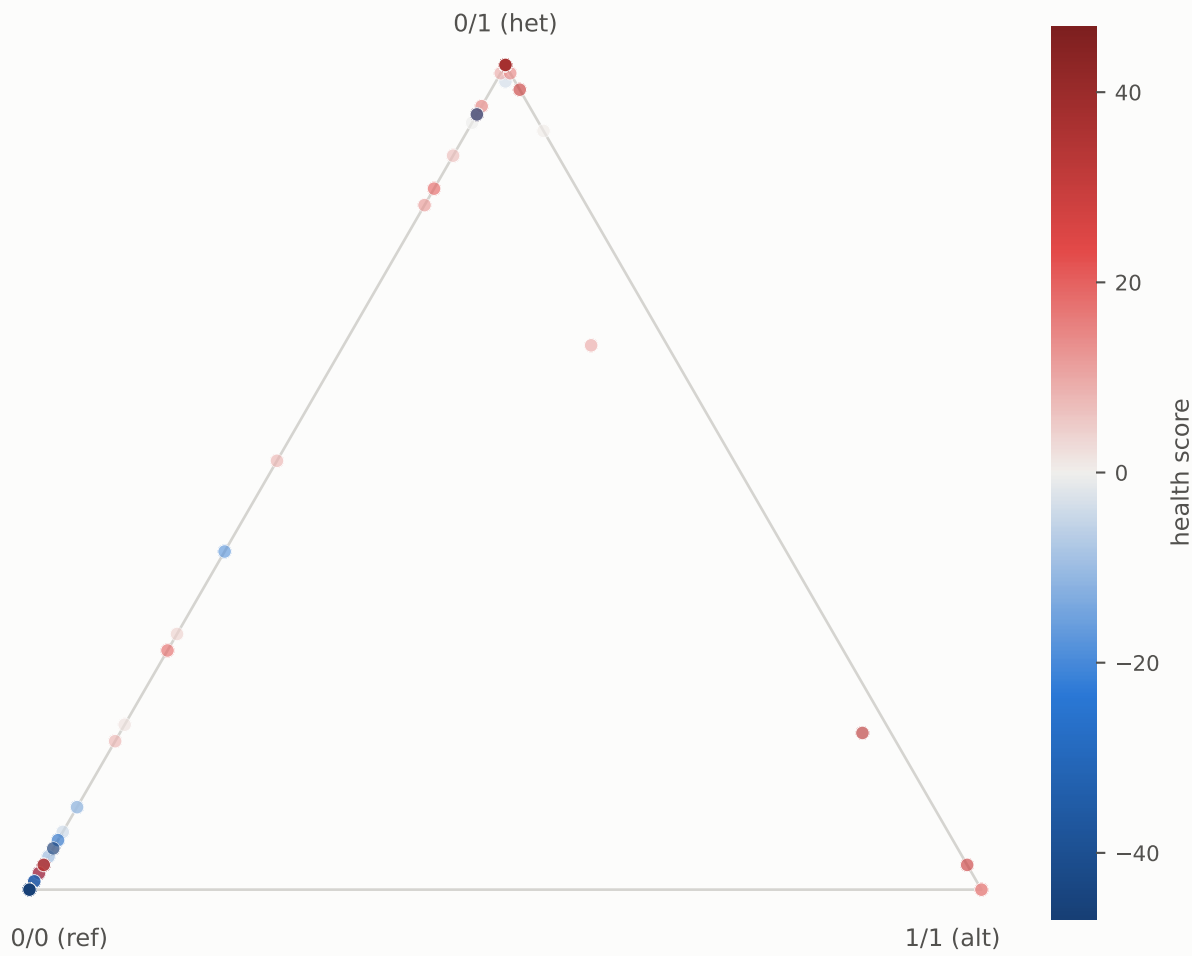
#105 by health association CHR\_06:2,751,677 G>C  
AF=0.14 DR2=0.88  $r=+0.200$  H=0.113 F=9.9



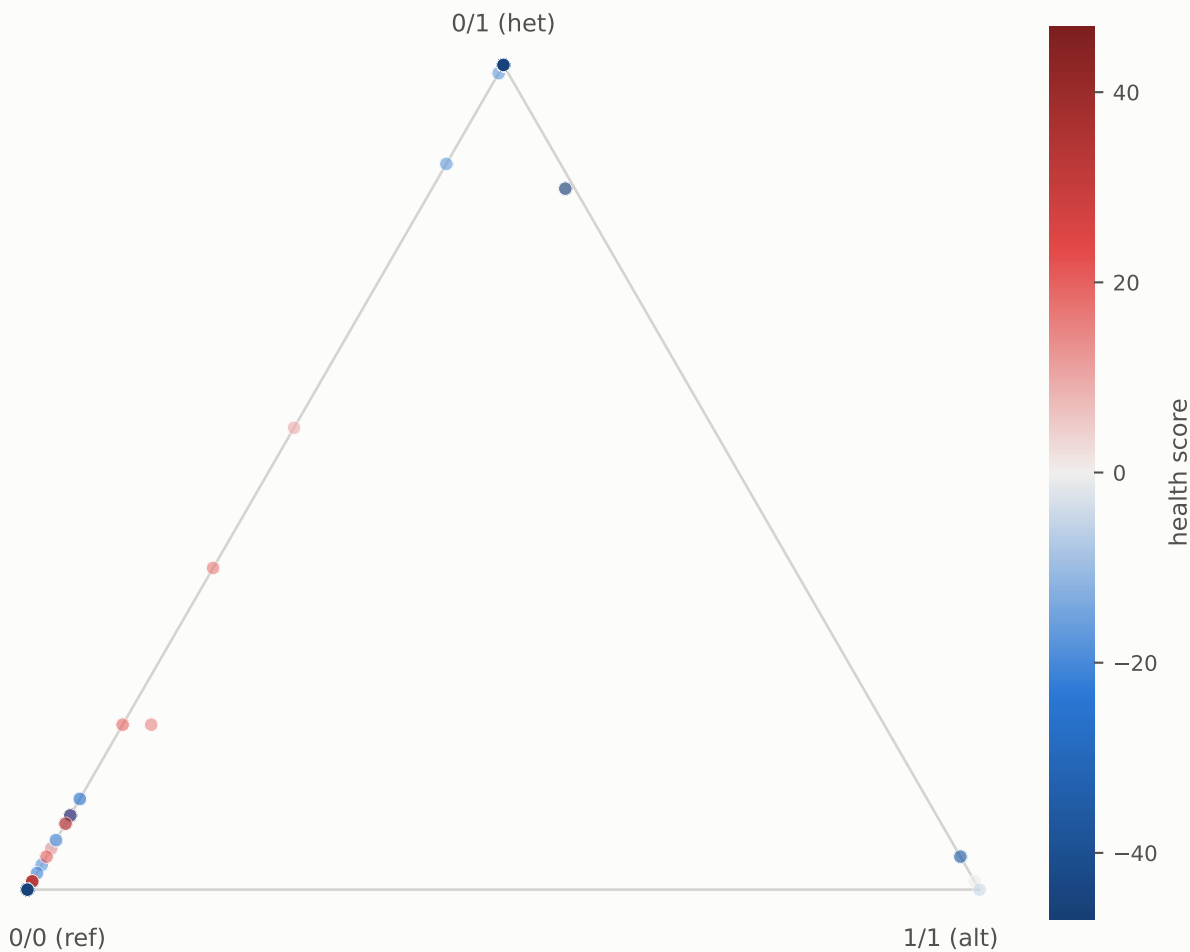
#106 by health association CHR\_17:17,953,304 A>G  
AF=0.25 DR2=0.91 r=-0.200 H=0.089 F=8.6



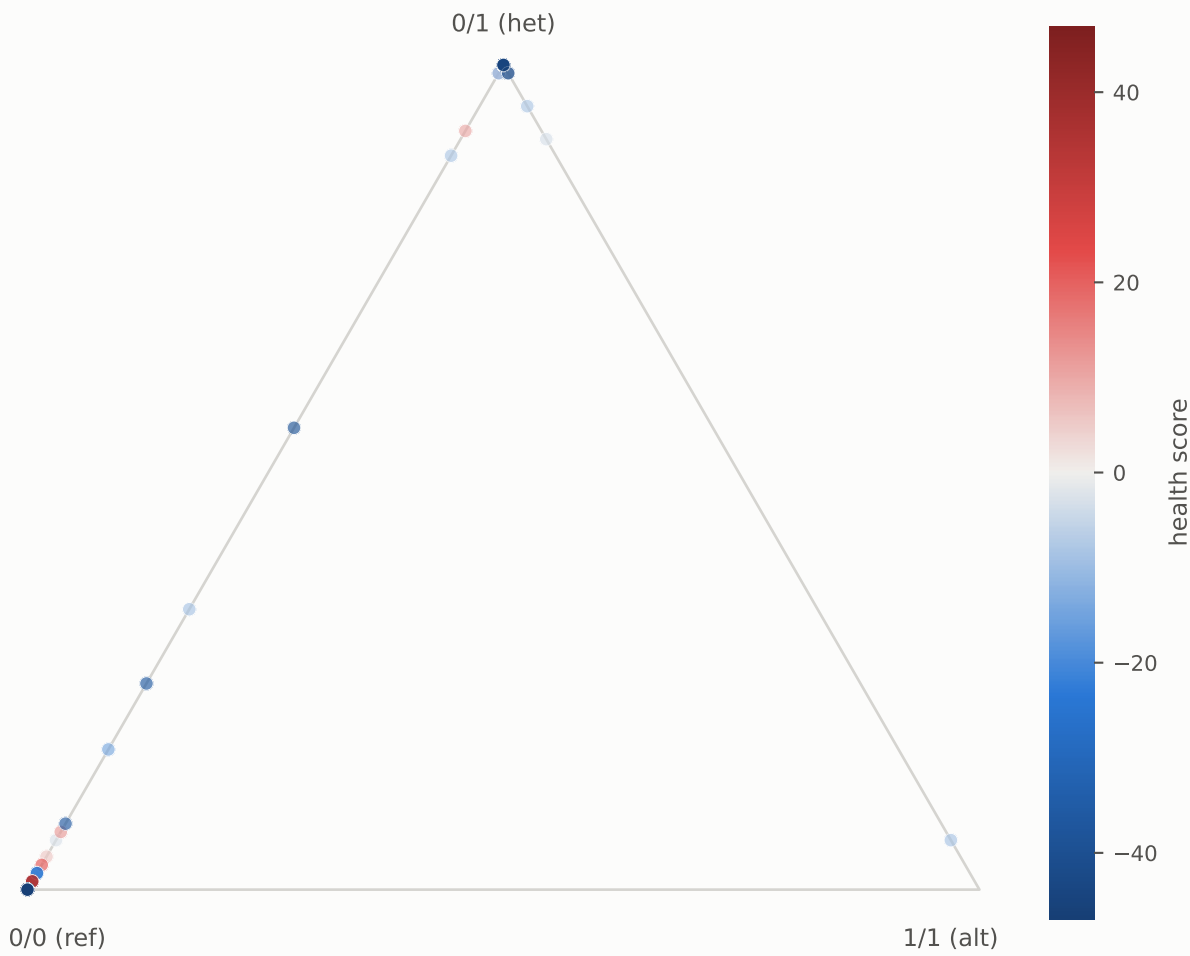
#107 by health association CHR\_08:1,919,779 C>A  
AF=0.054 DR2=0.92 r=+0.200 H=0.026 F=12.5



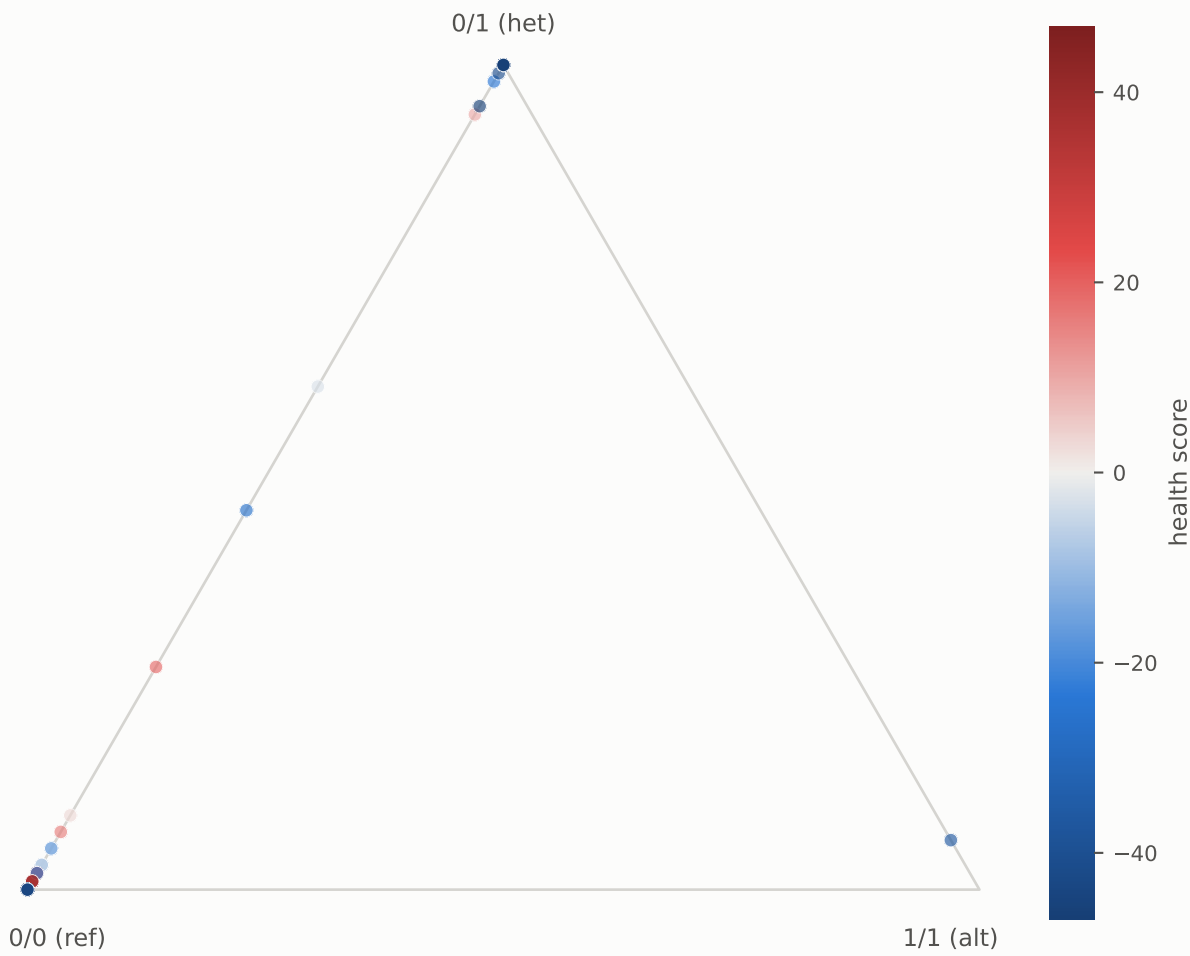
#108 by health association CHR\_09:10,413,406 T>A  
AF=0.048 DR2=0.96 r=-0.200 H=0.016 F=17.7



#109 by health association CHR\_03:37,004,667 A>T  
AF=0.046 DR2=0.96 r=-0.200 H=0.014 F=18.7

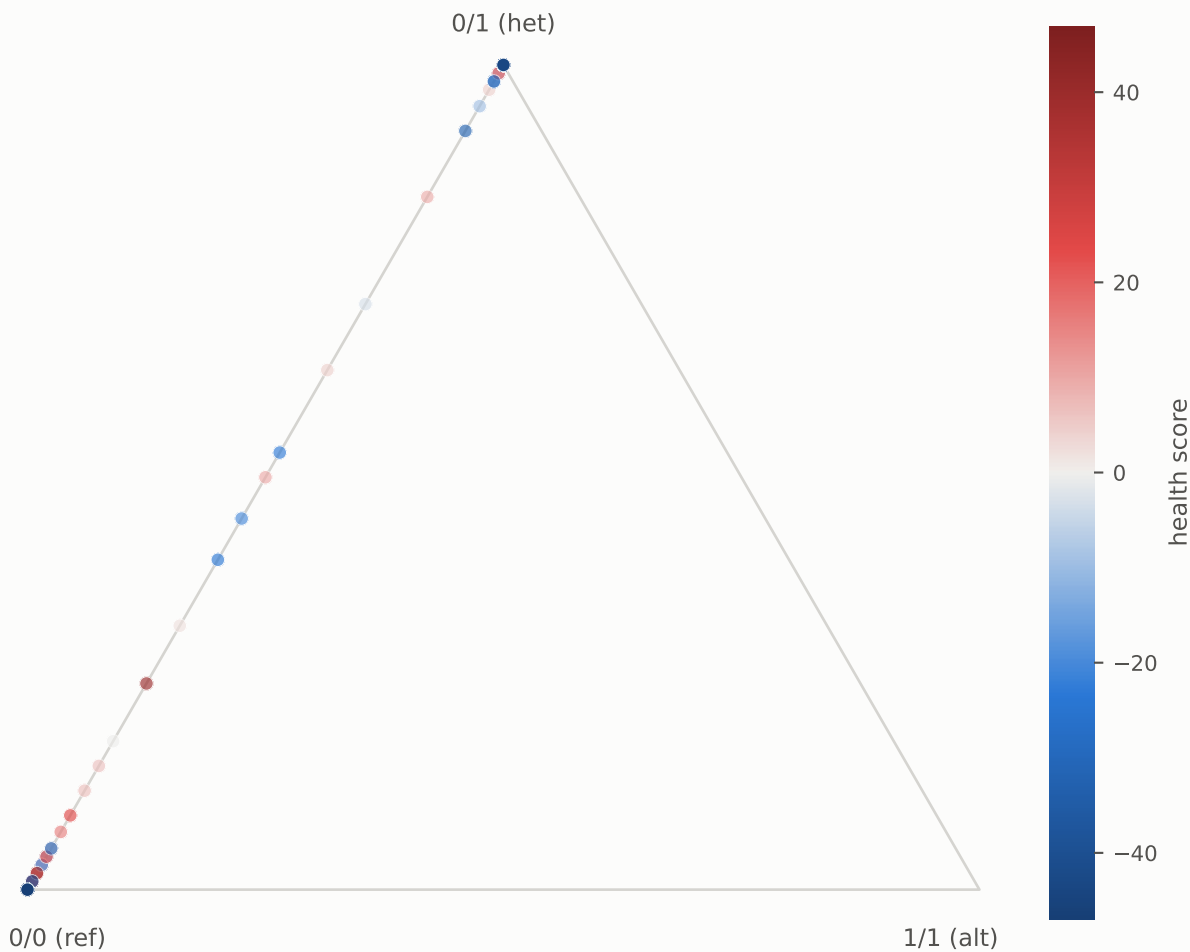


#110 by health association CHR\_14:23,387,181 G>A  
AF=0.049 DR2=0.97 r=-0.199 H=0.012 F=14.6

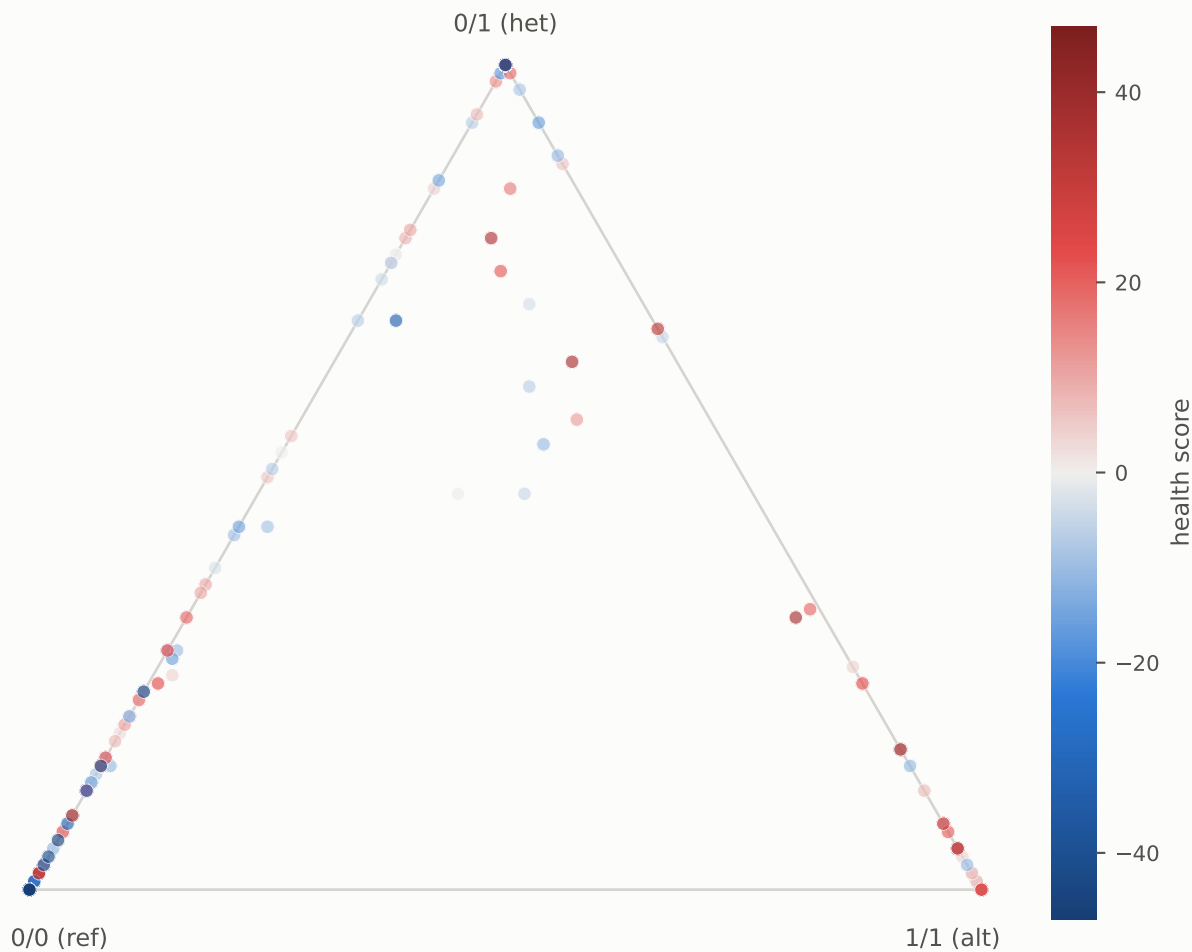




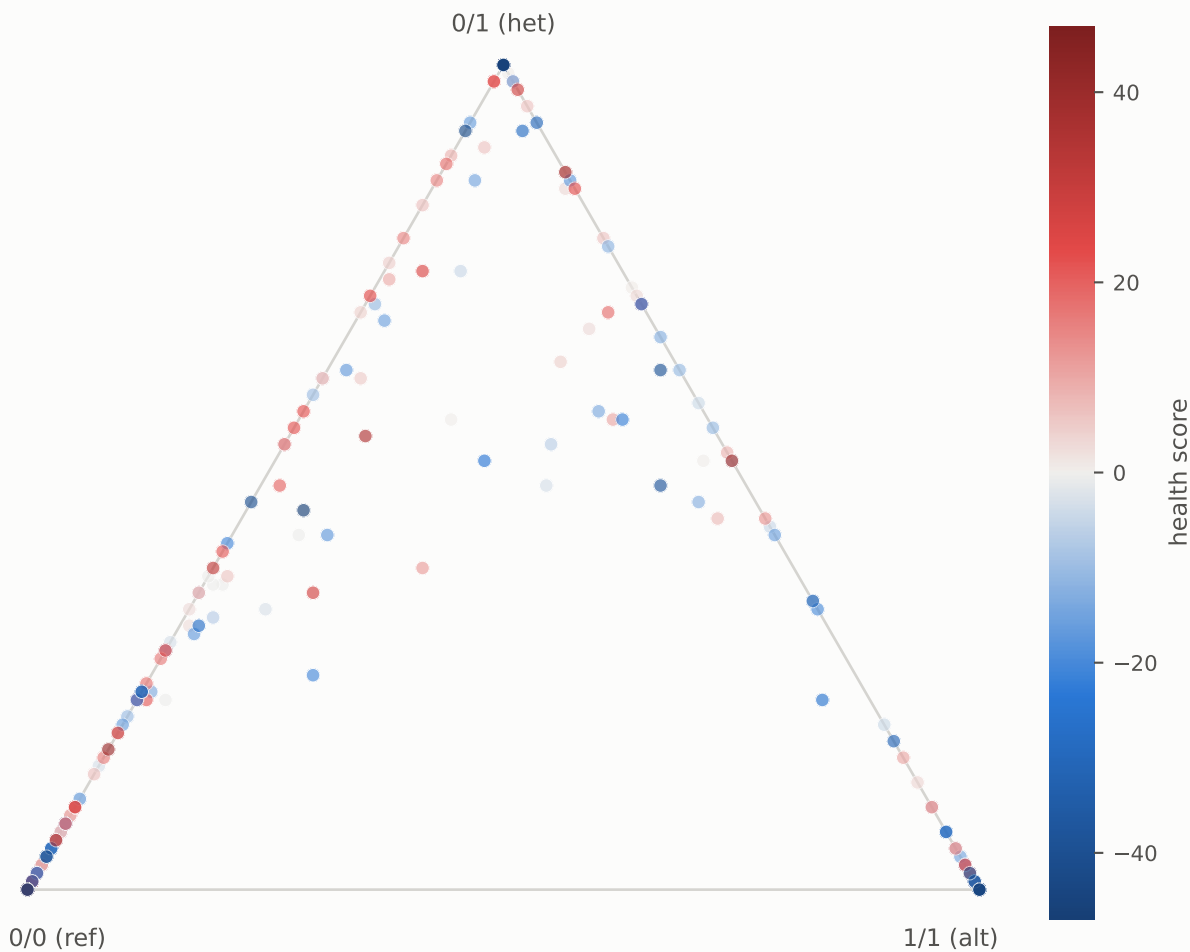
#111 by health association CHR\_16:13,389,482 T>C  
AF=0.046 DR2=0.92 r=-0.199 H=0.025 F=18.7



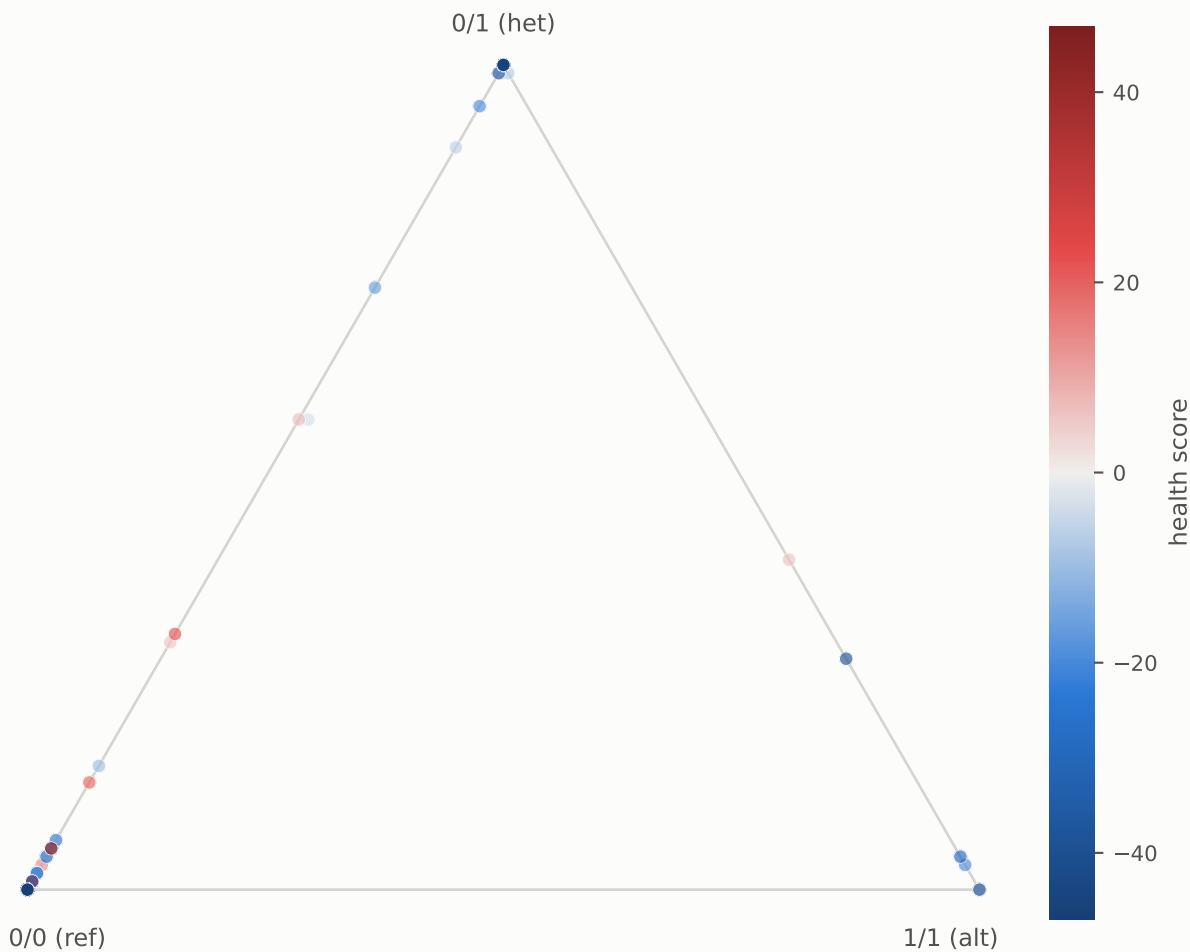
#112 by health association CHR\_02:49,365,759 G>C  
AF=0.16 DR2=0.87  $r=+0.199$  H=0.113 F=9.0



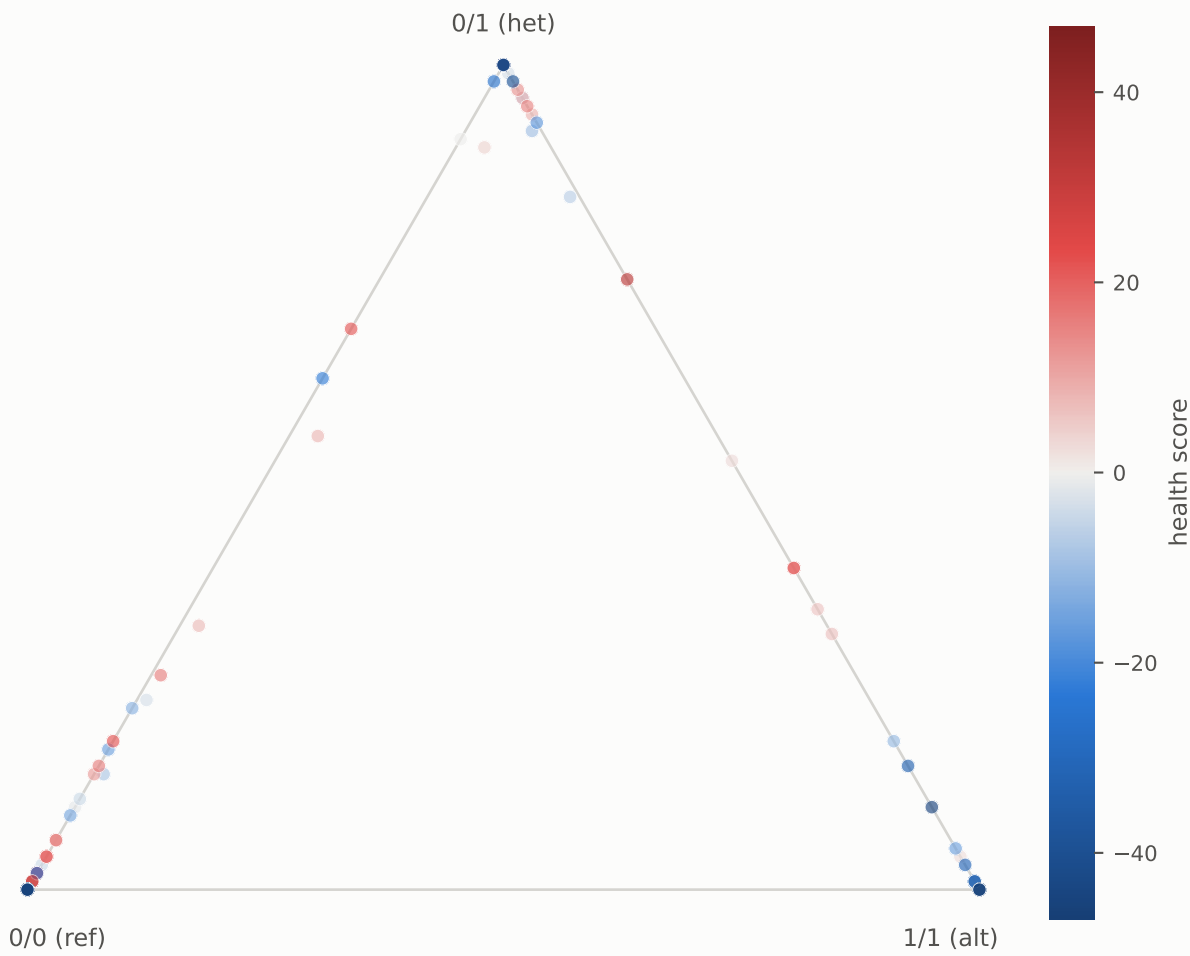
#113 by health association CHR\_02:14,133,343 A>C  
AF=0.37 DR2=0.87 r=-0.199 H=0.198 F=8.3



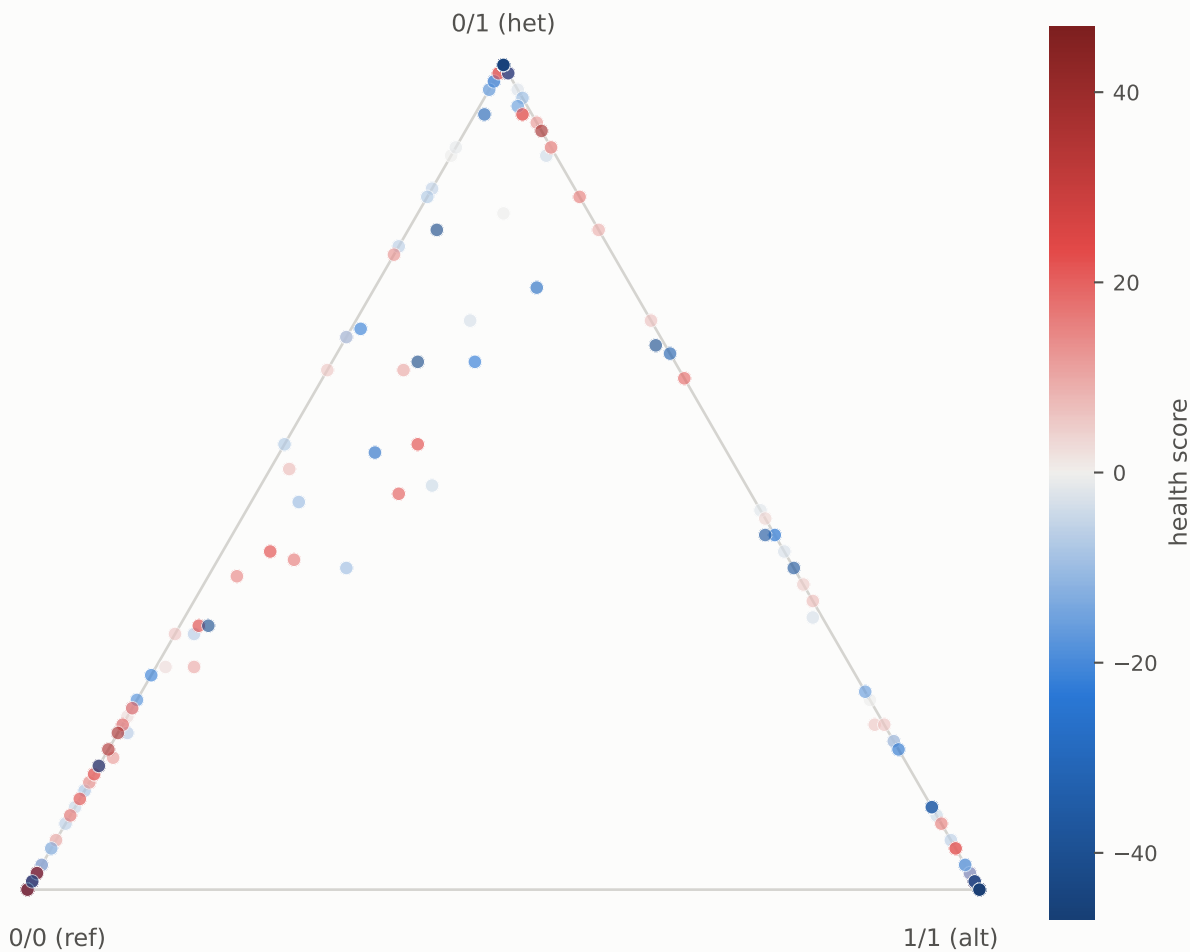
#114 by health association CHR\_21:21,265,265 A>G  
AF=0.054 DR2=0.93 r=-0.199 H=0.020 F=9.2



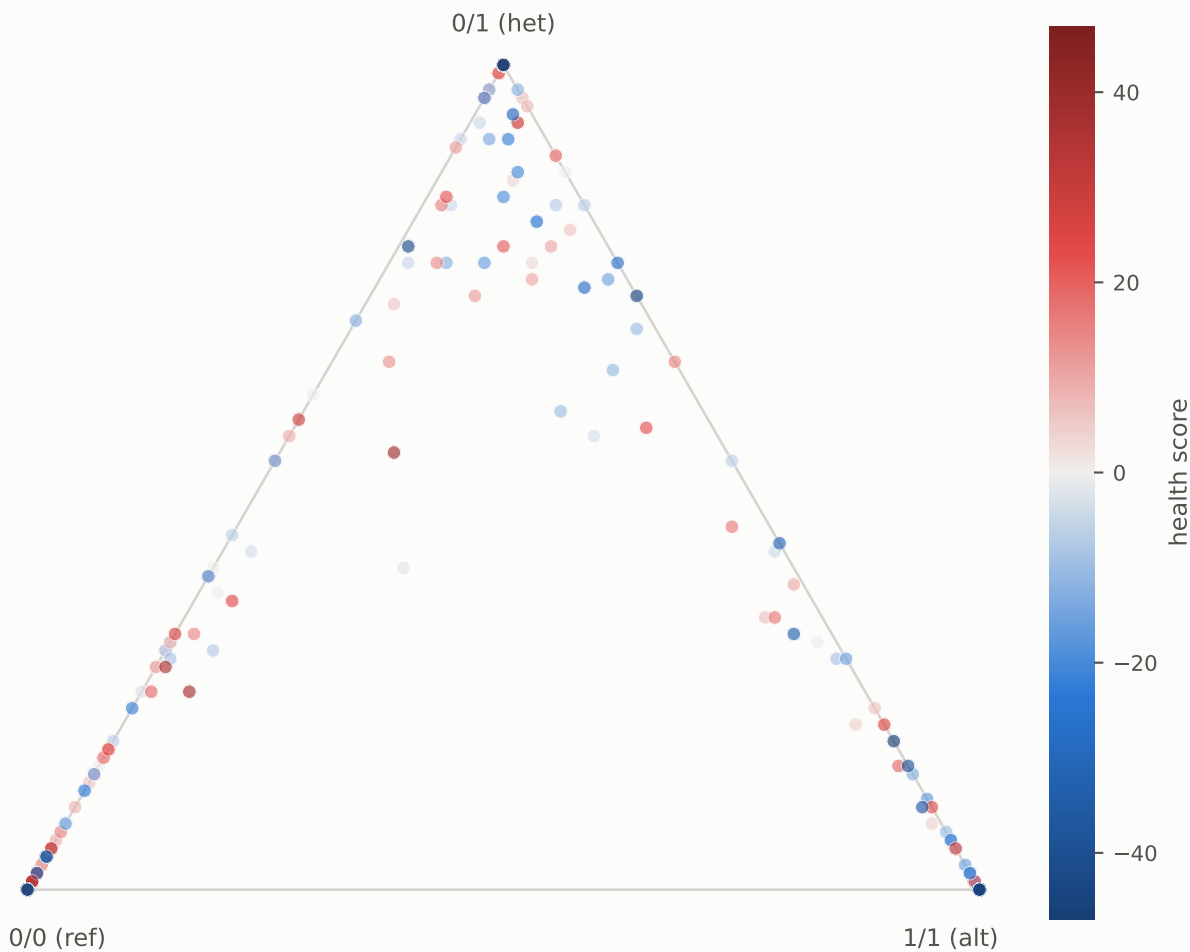
#115 by health association CHR\_16:24,575,606 T>C  
AF=0.078 DR2=0.93 r=-0.199 H=0.042 F=9.5



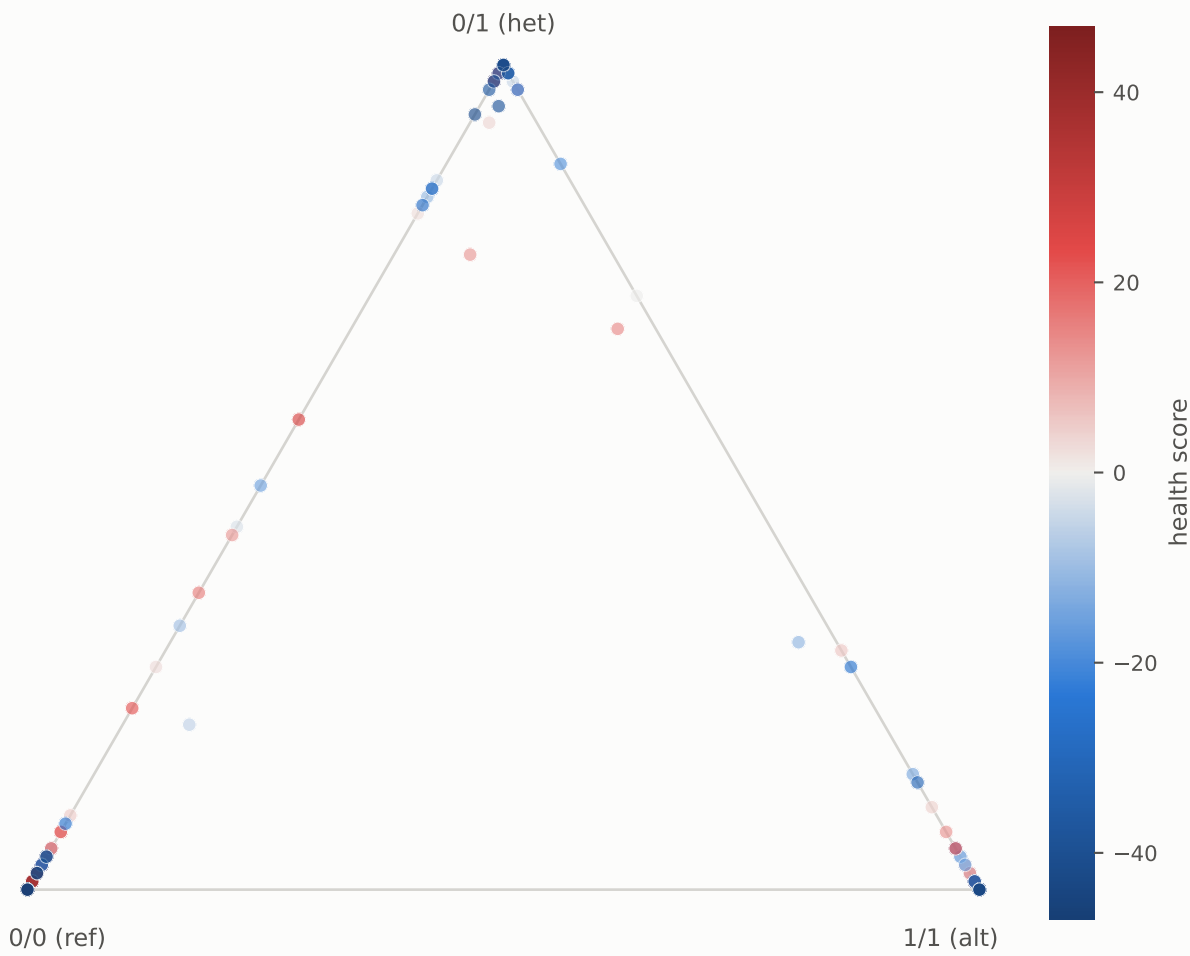
#116 by health association CHR\_13:1,747,123 A>G  
AF=0.43 DR2=0.9  $r=-0.199$   $\bar{H}=0.134$  F=10.3



#117 by health association CHR\_21:19,445,388 T>C  
AF=0.35 DR2=0.87 r=-0.199 H=0.159 F=9.2

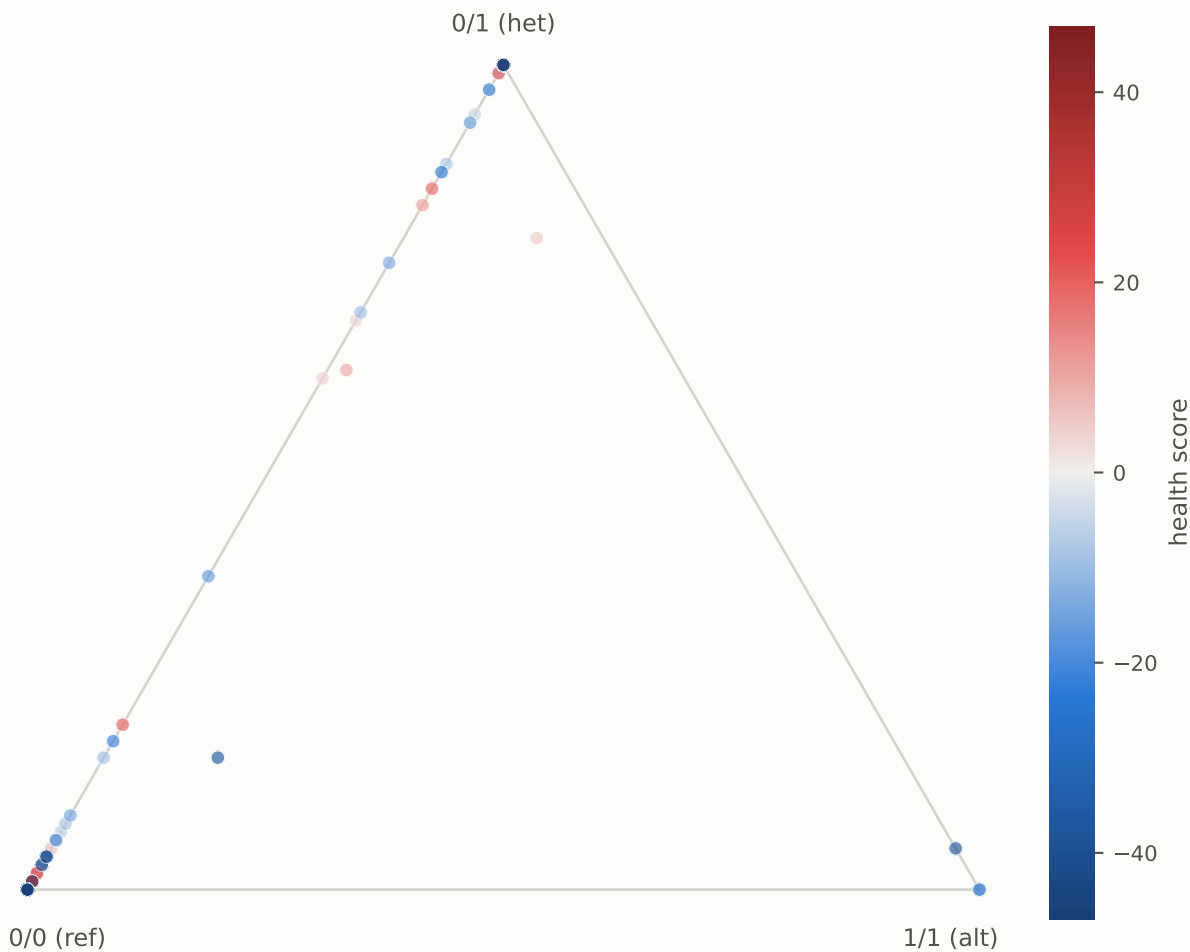


#118 by health association CHR\_19:5,125,393 C>T  
AF=0.19 DR2=0.96  $r=-0.199$   $\bar{H}=0.055$   $F=10.9$

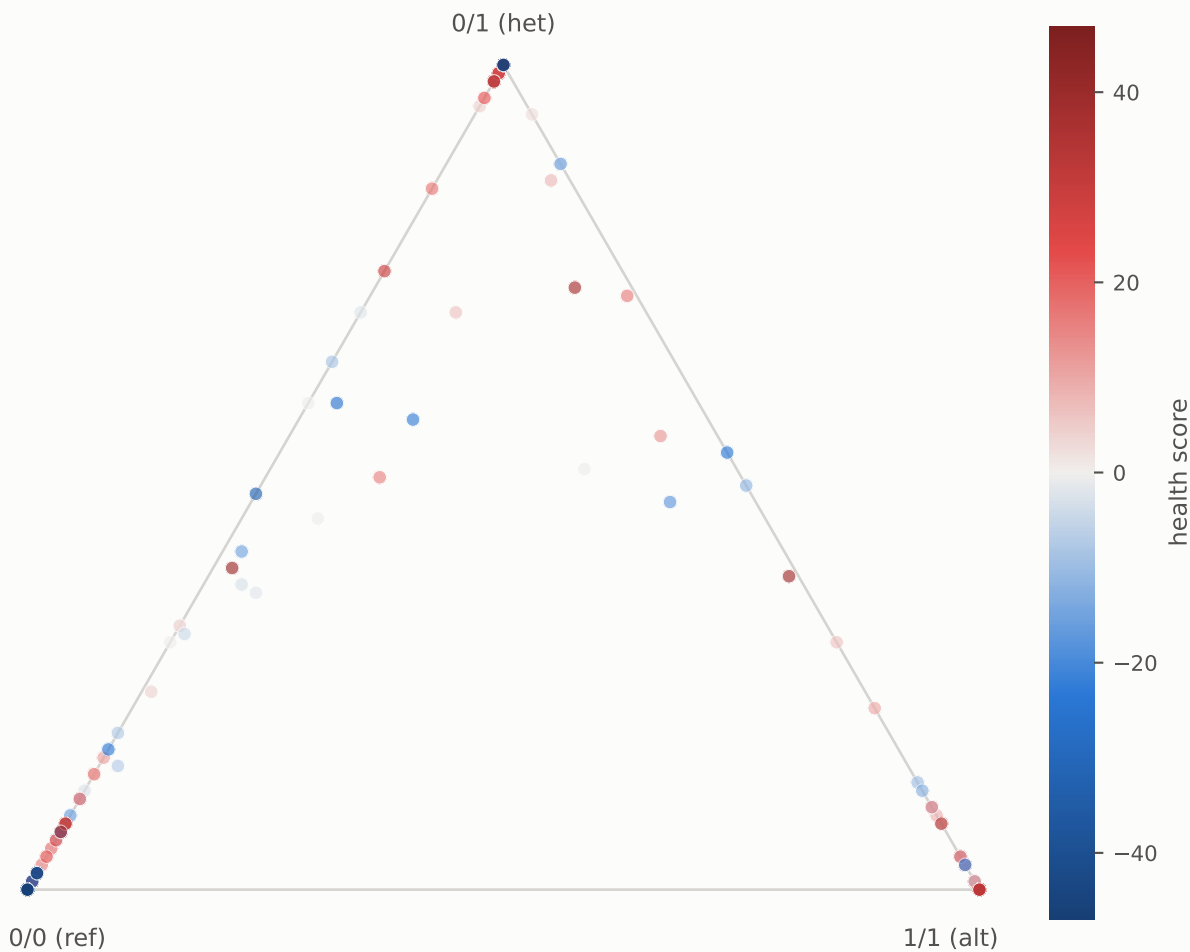




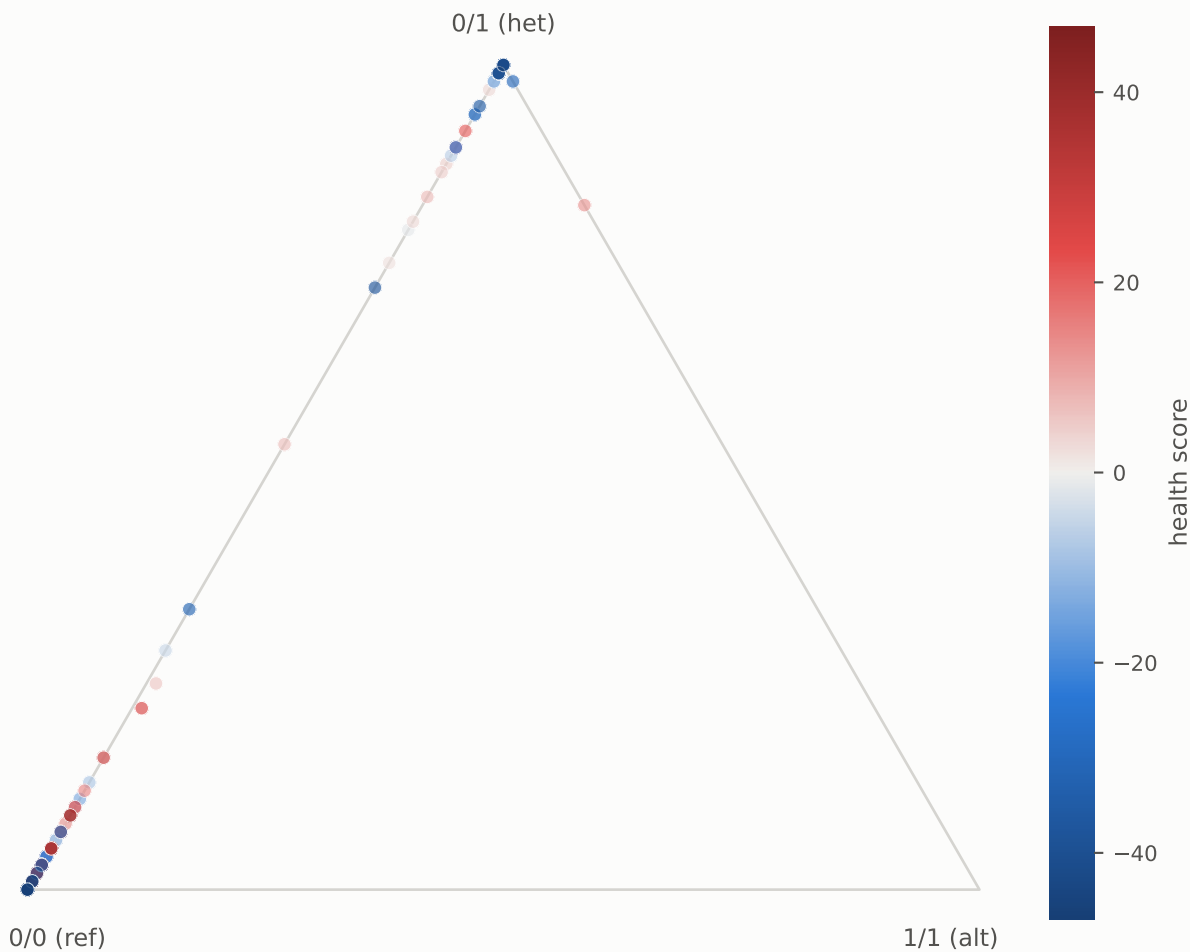
#119 by health association CHR\_15:14,917,437 C>T  
AF=0.084 DR2=0.92 r=-0.199 H=0.032 F=11.1



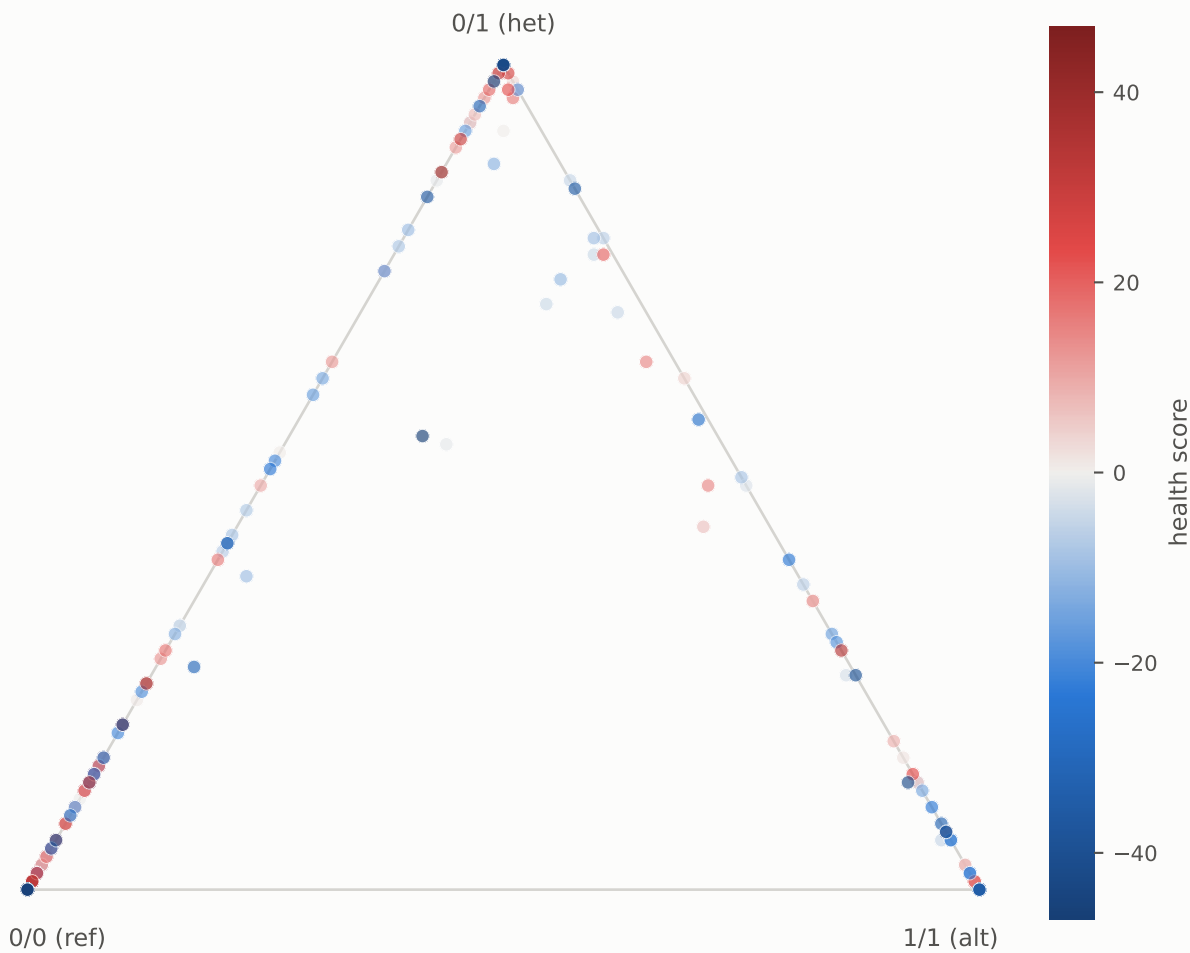
#120 by health association CHR\_06:13,382,510 A>G  
AF=0.23 DR2=0.93 r=+0.199 H=0.082 F=9.1



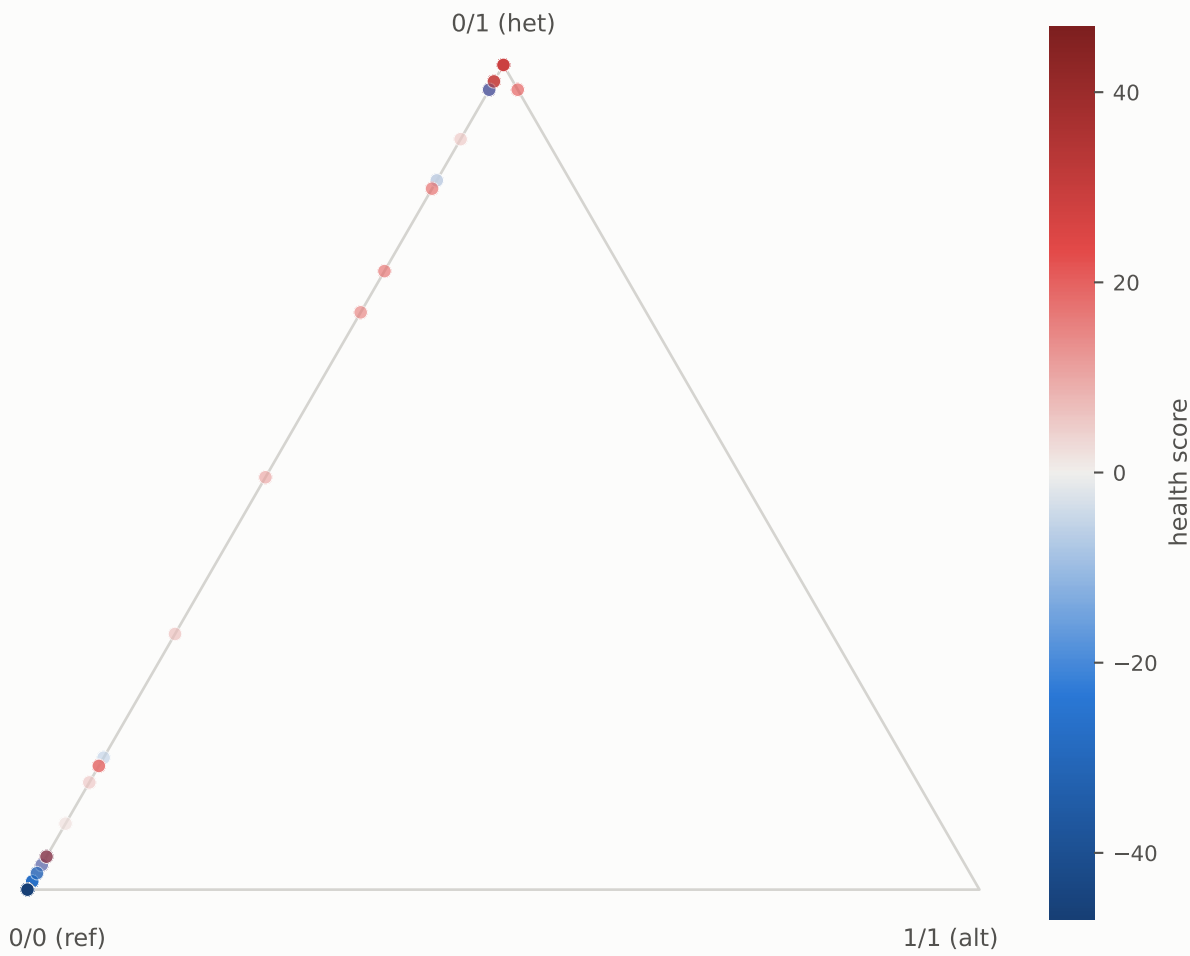
#121 by health association CHR\_22:7,317,076 C>T  
AF=0.054 DR2=0.84  $r=-0.198$   $H=0.058$   $F=18.4$



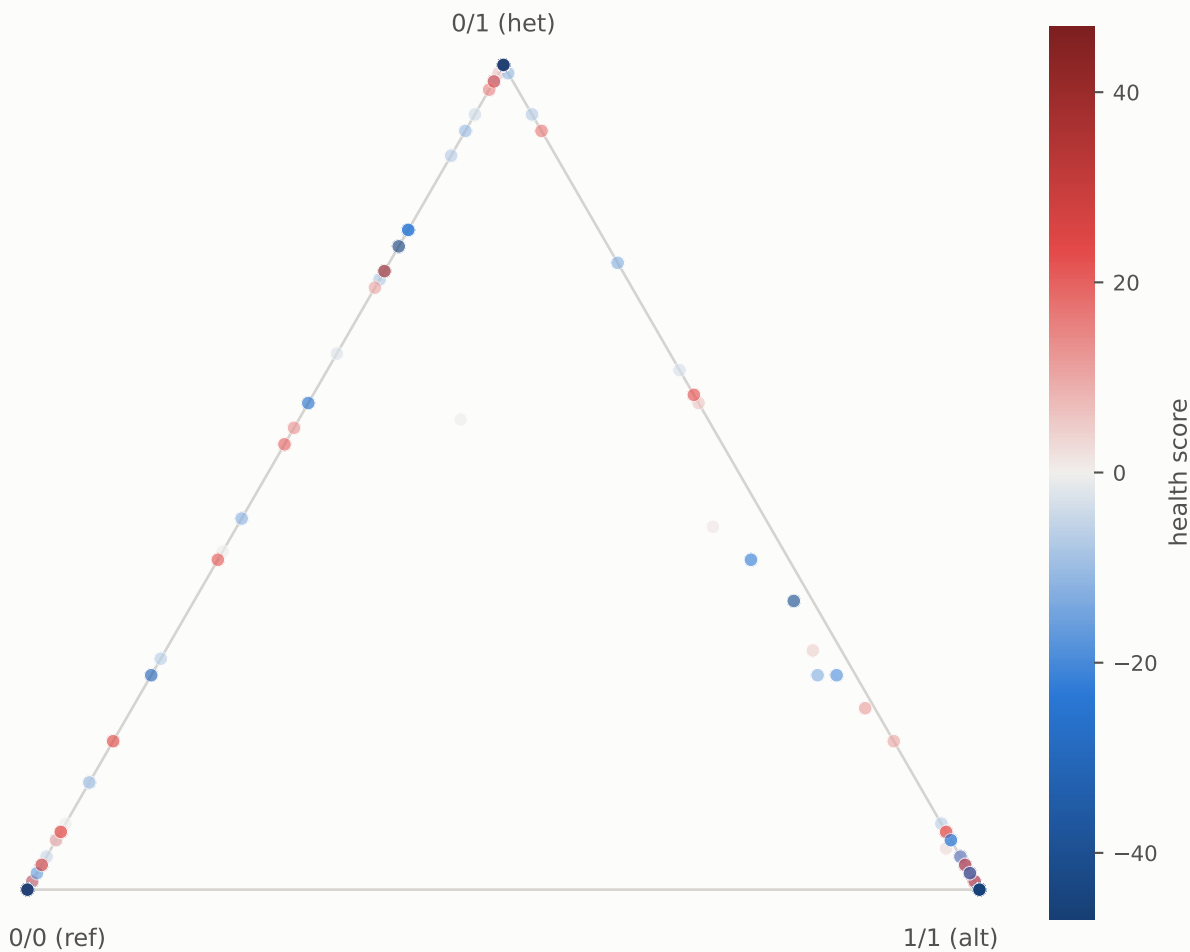
#122 by health association CHR\_08:781,165 C>T  
AF=0.16 DR2=0.88  $r=-0.198$   $\bar{H}=0.141$  F=8.8



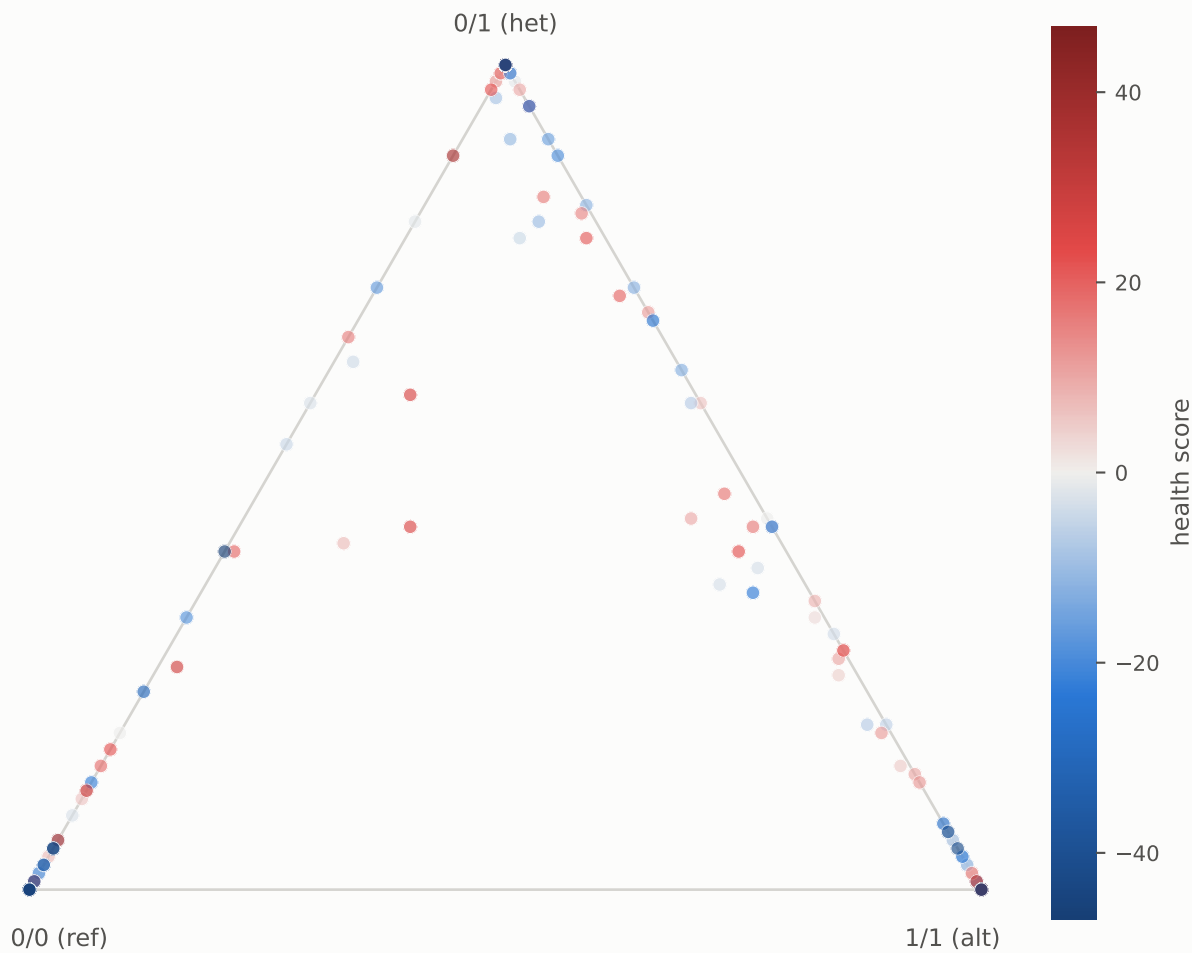
#123 by health association CHR\_03:4,867,773 C>T  
AF=0.041 DR2=0.92 r=+0.198 H=0.021 F=17.5



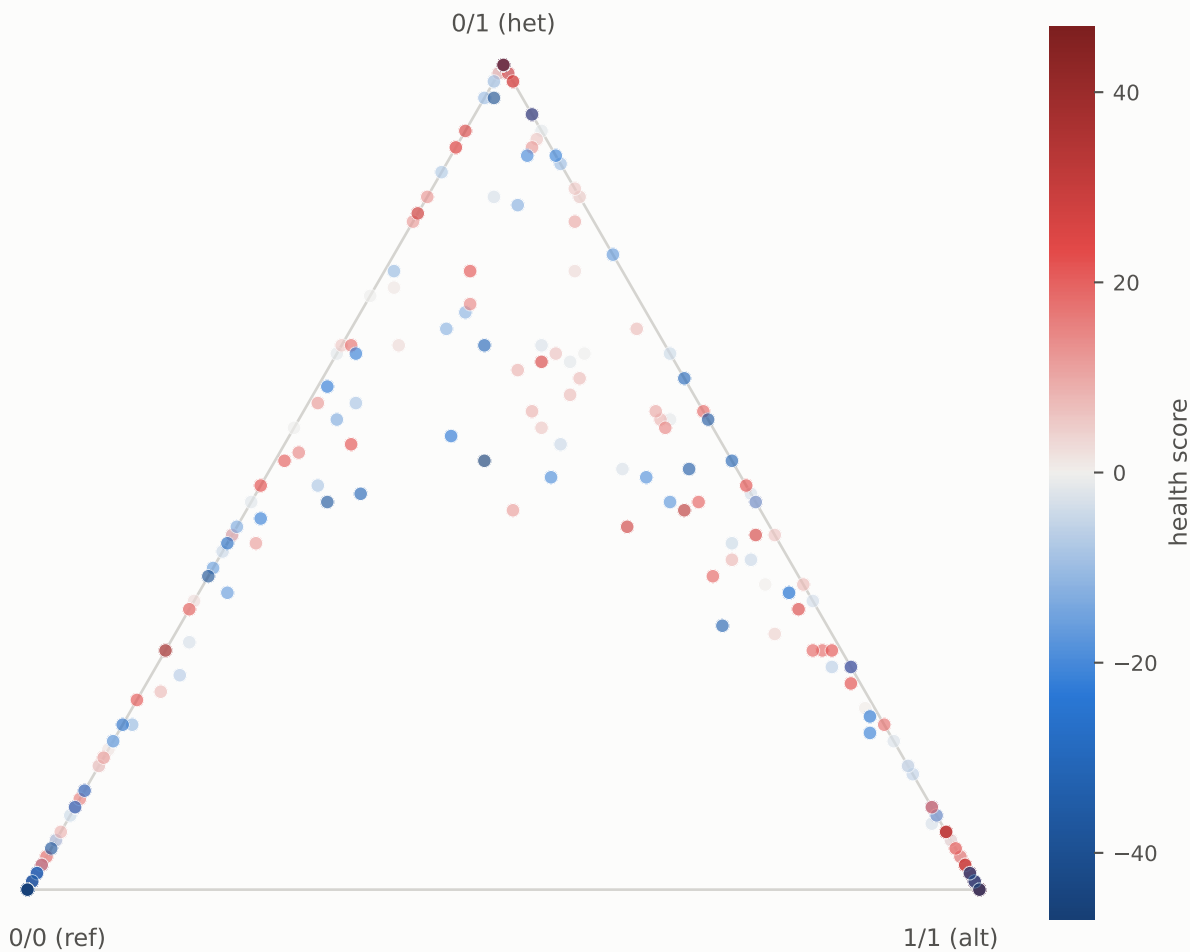
#124 by health association CHR\_16:9,600,512 A>G  
AF=0.49 DR2=0.96  $r=-0.198$   $\bar{H}=0.059$   $F=10.3$



#125 by health association CHR\_06:6,987,328 T>G  
AF=0.47 DR2=0.93  $r=+0.198$  H=0.098 F=9.1

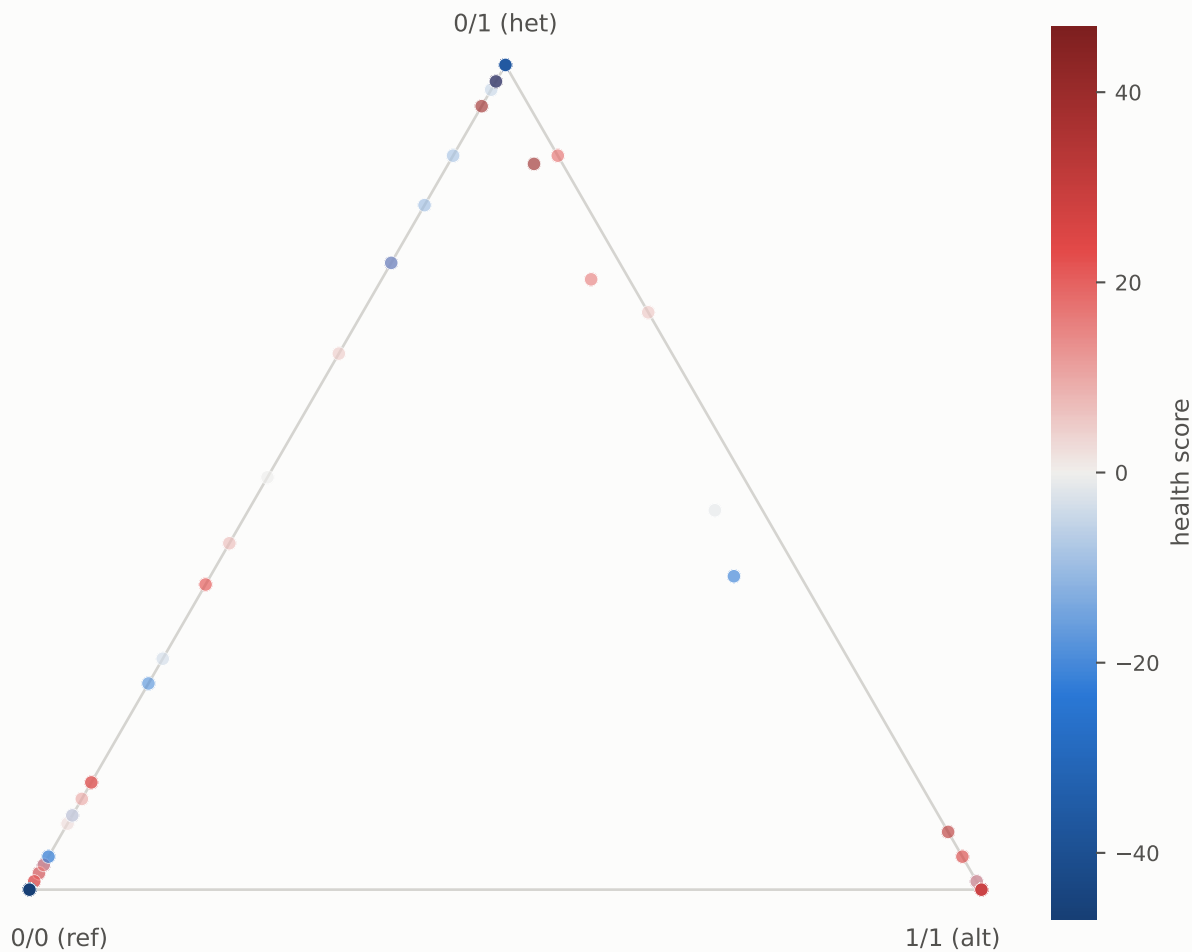


#126 by health association CHR\_14:30,866,596 A>T  
AF=0.48 DR2=0.85  $r=+0.198$  H=0.247 F=9.8

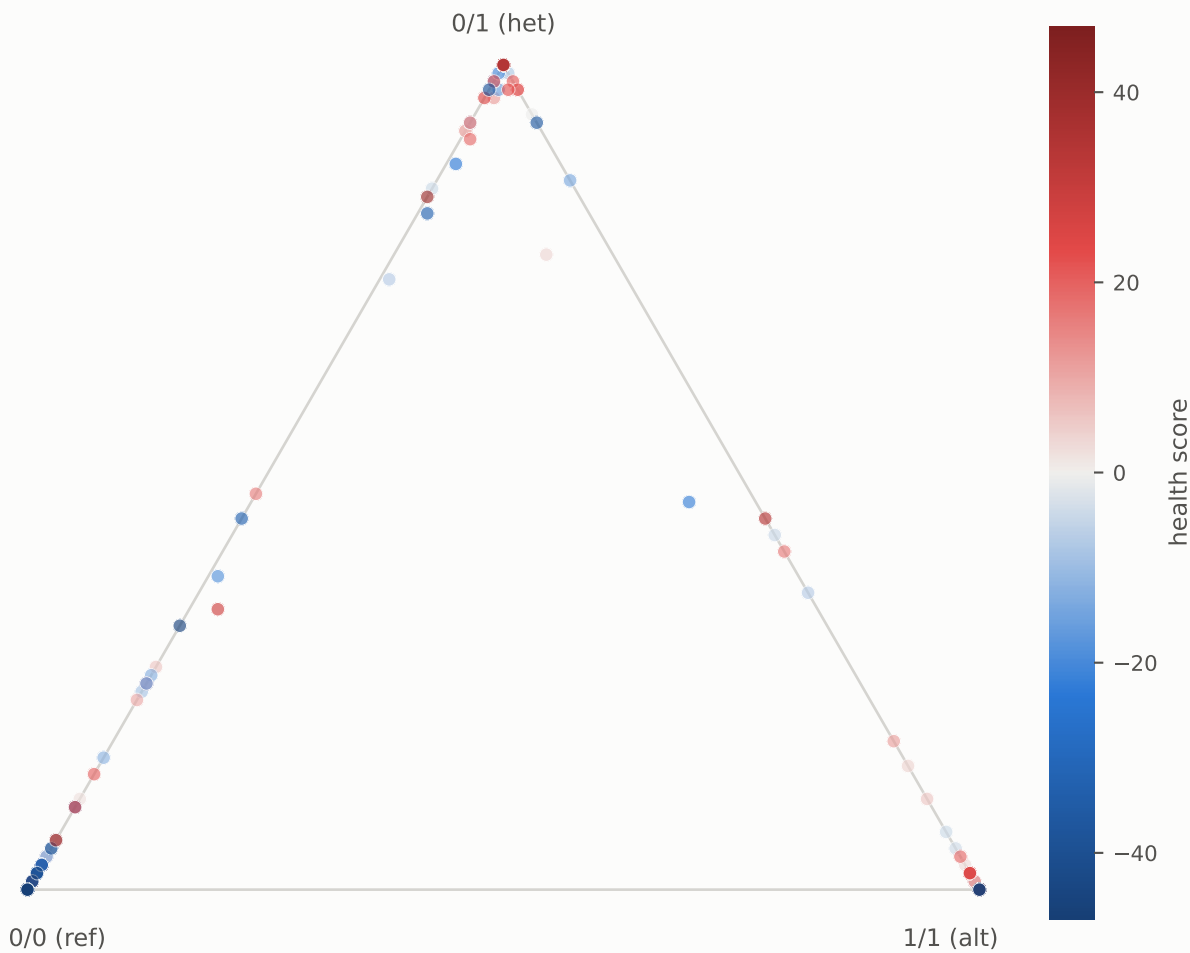




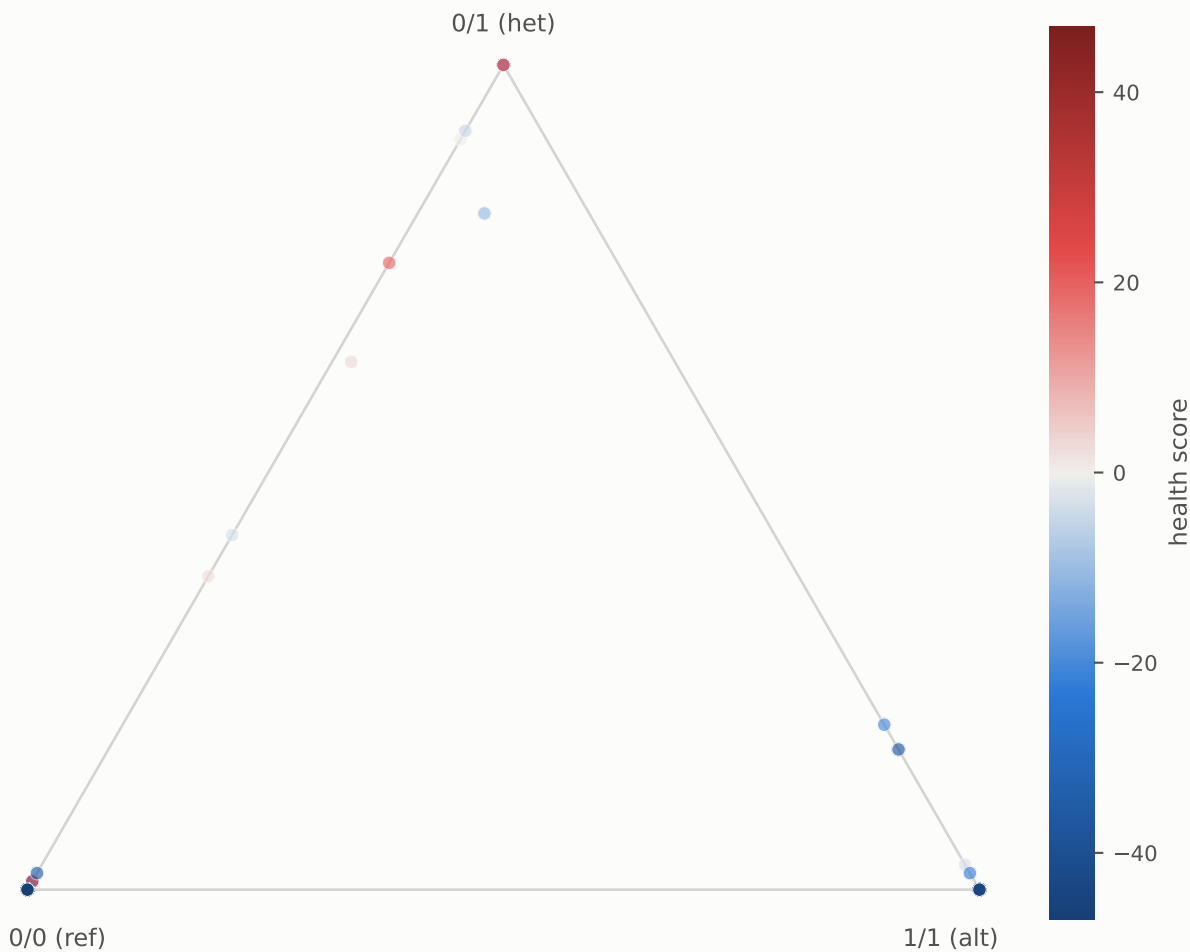
#127 by health association CHR\_01:15,218,086 G>A  
AF=0.12 DR2=0.95 r=+0.198 H=0.031 F=8.1



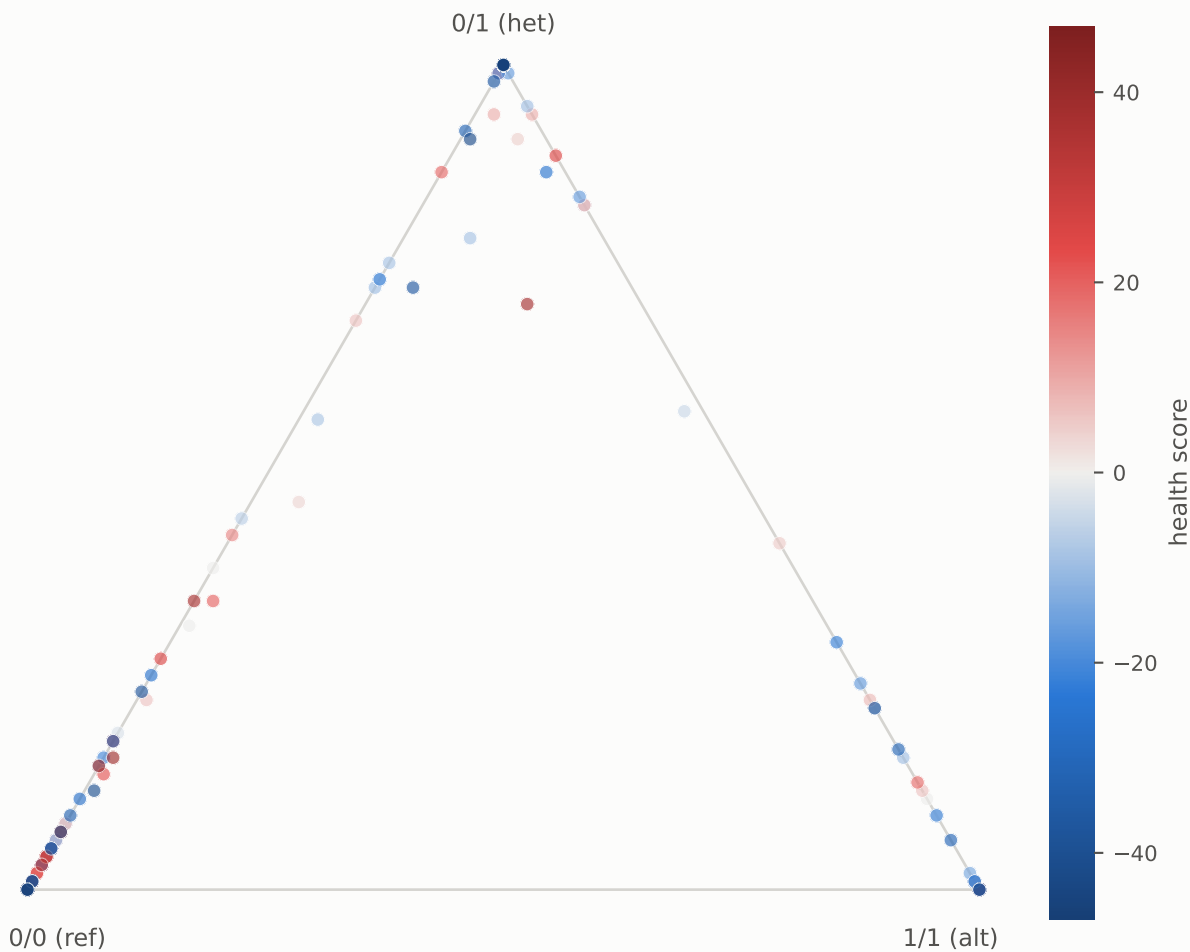
#128 by health association CHR\_15:18,014,435 G>A  
AF=0.19 DR2=0.95 r=+0.198 H=0.061 F=10.8



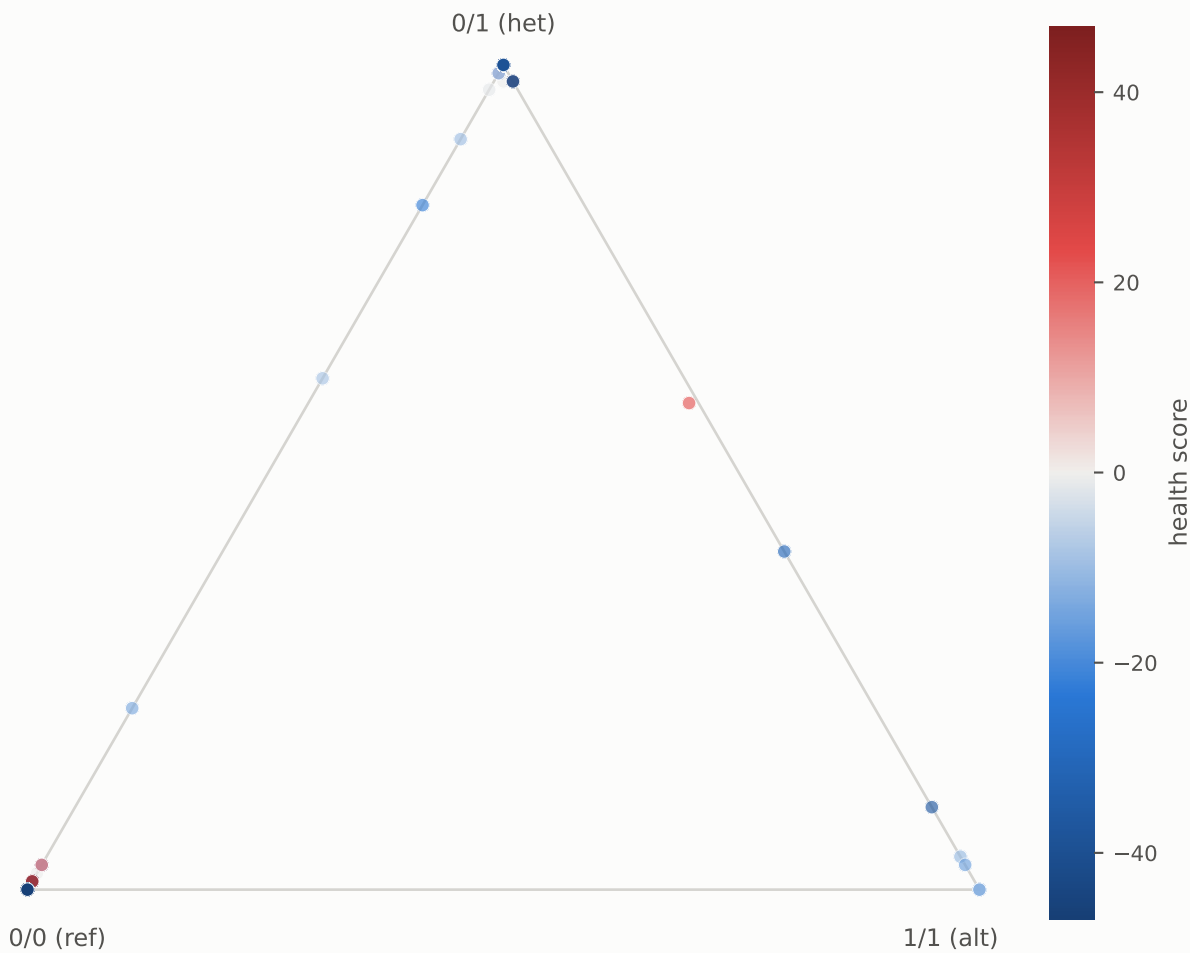
#129 by health association CHR\_14:23,419,493 T>C  
AF=0.037 DR2=0.97 r=-0.197 H=0.013 F=13.1



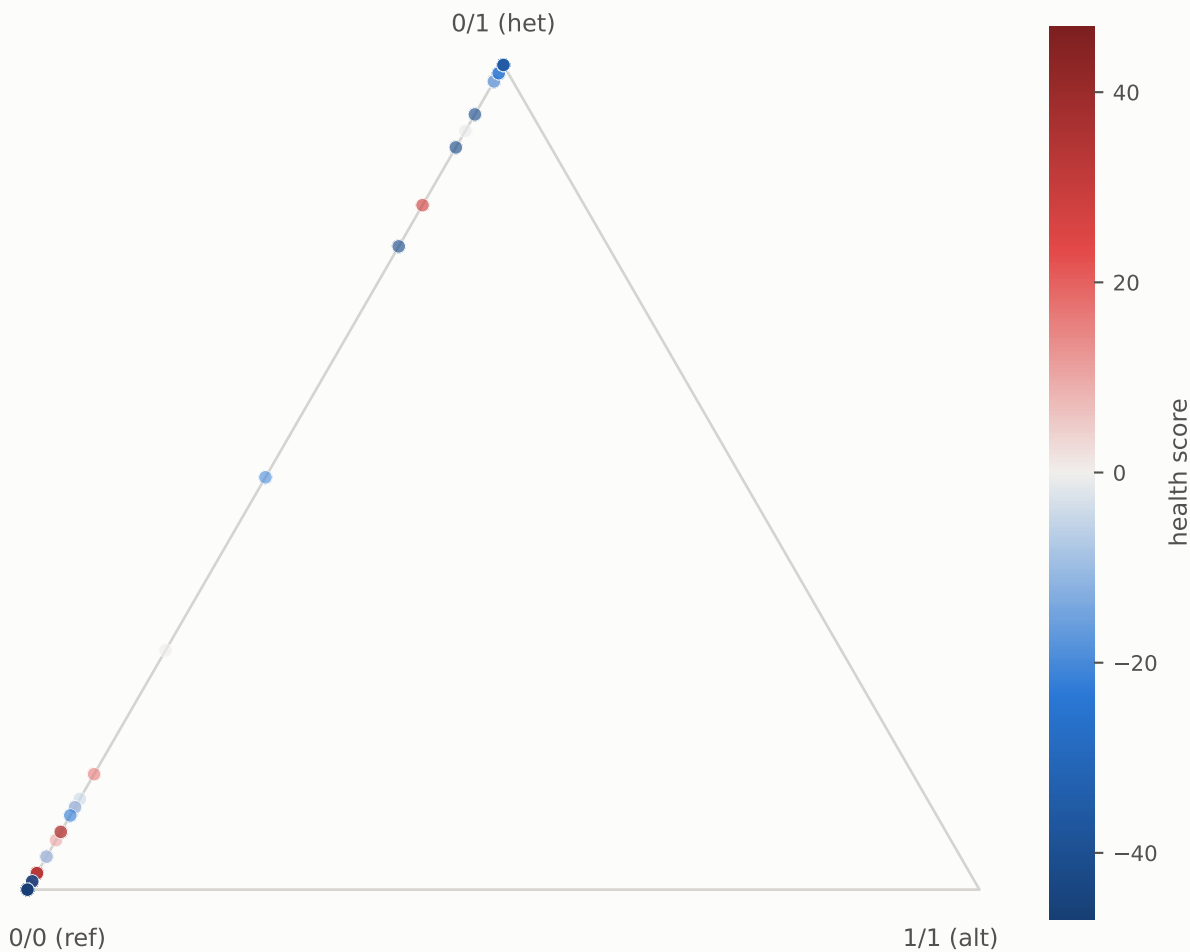
#130 by health association CHR\_03:30,379,598 A>G  
AF=0.19 DR2=0.93  $r=-0.197$   $H=0.087$   $F=10.1$



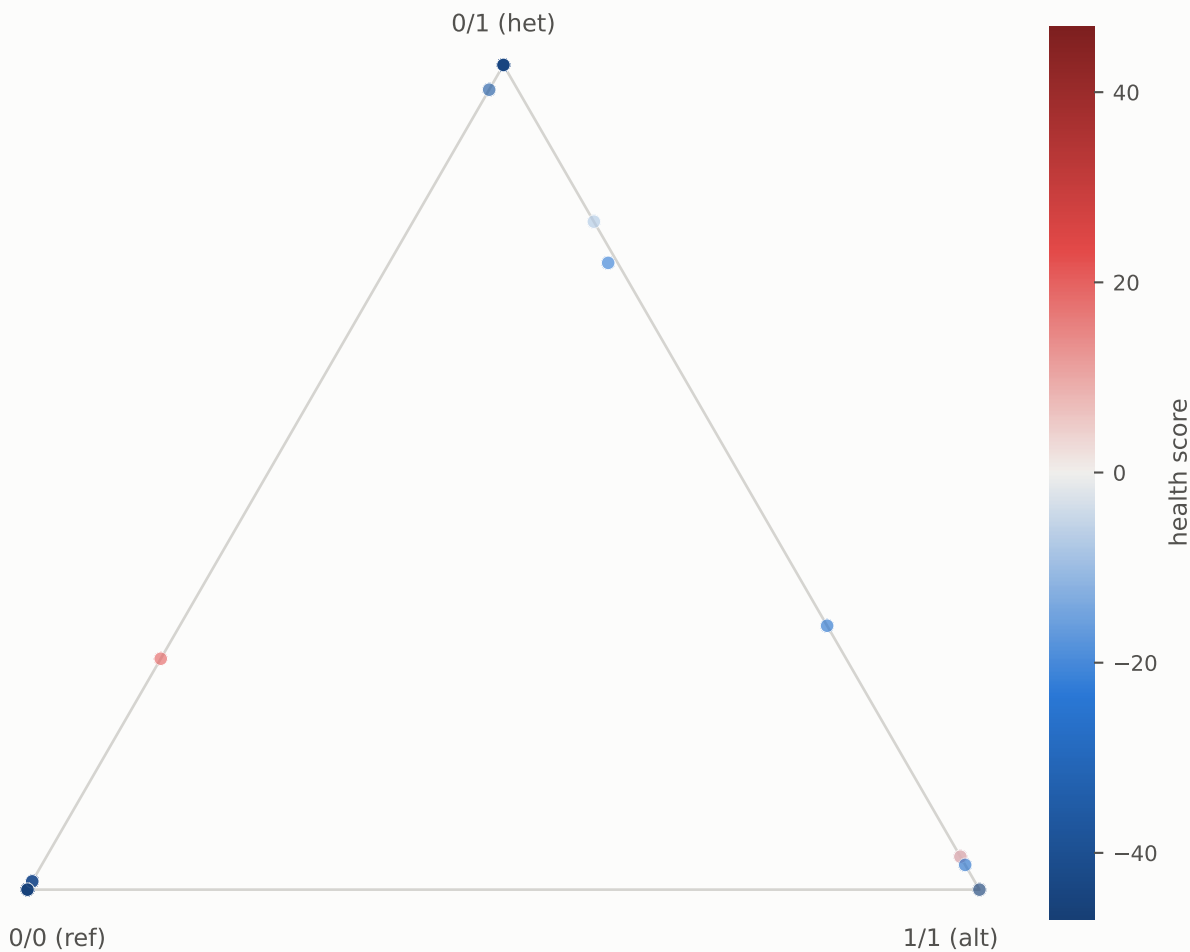
#131 by health association CHR\_23:2,444,485 A>G  
AF=0.079 DR2=0.97 r=-0.197 H=0.012 F=9.7



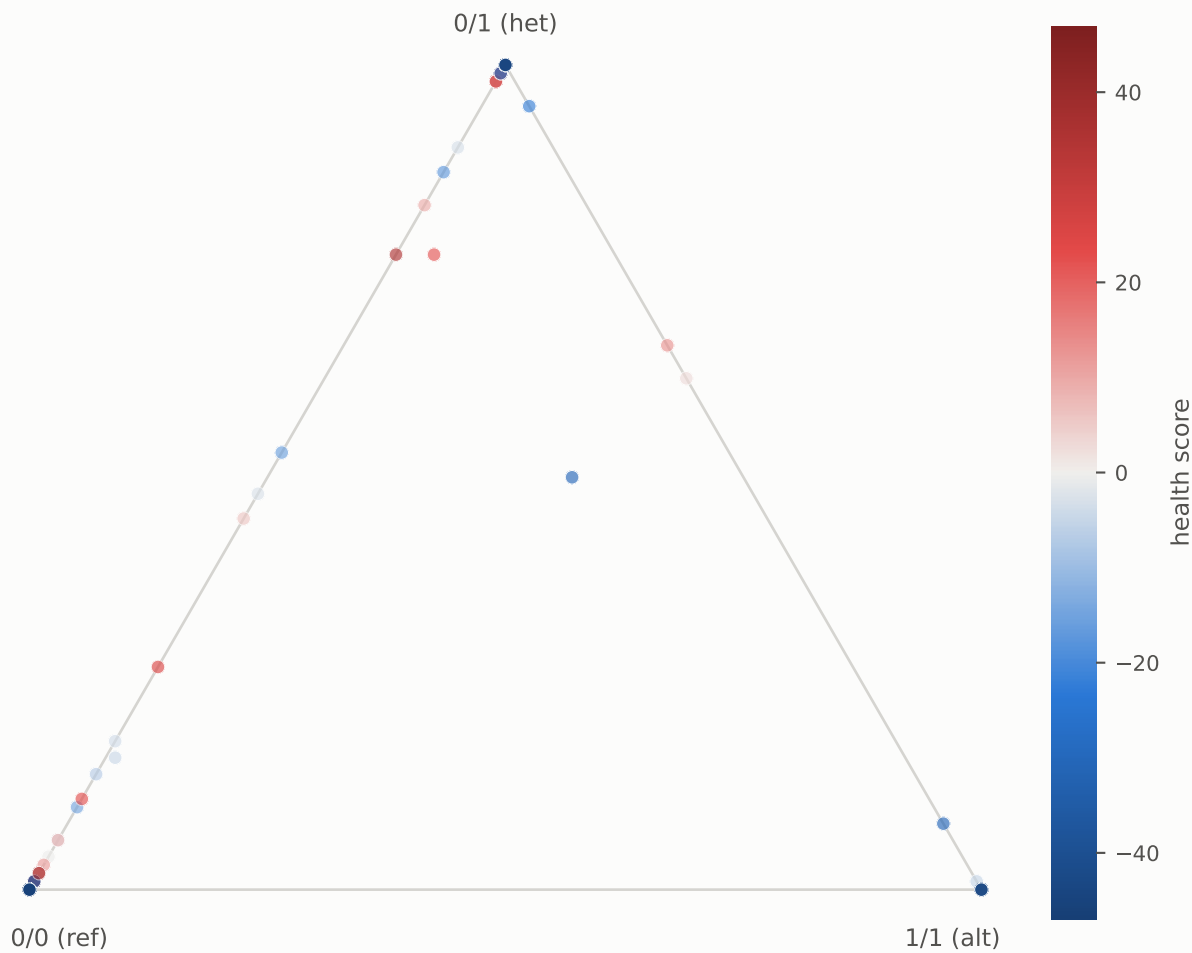
#132 by health association CHR\_03:11,338,449 G>T  
AF=0.037 DR2=0.92 r=-0.197 H=0.019 F=18.2



#133 by health association CHR\_11:24,522,711 A>G  
AF=0.052 DR2=0.98  $r=-0.197$  H=0.008 F=9.2

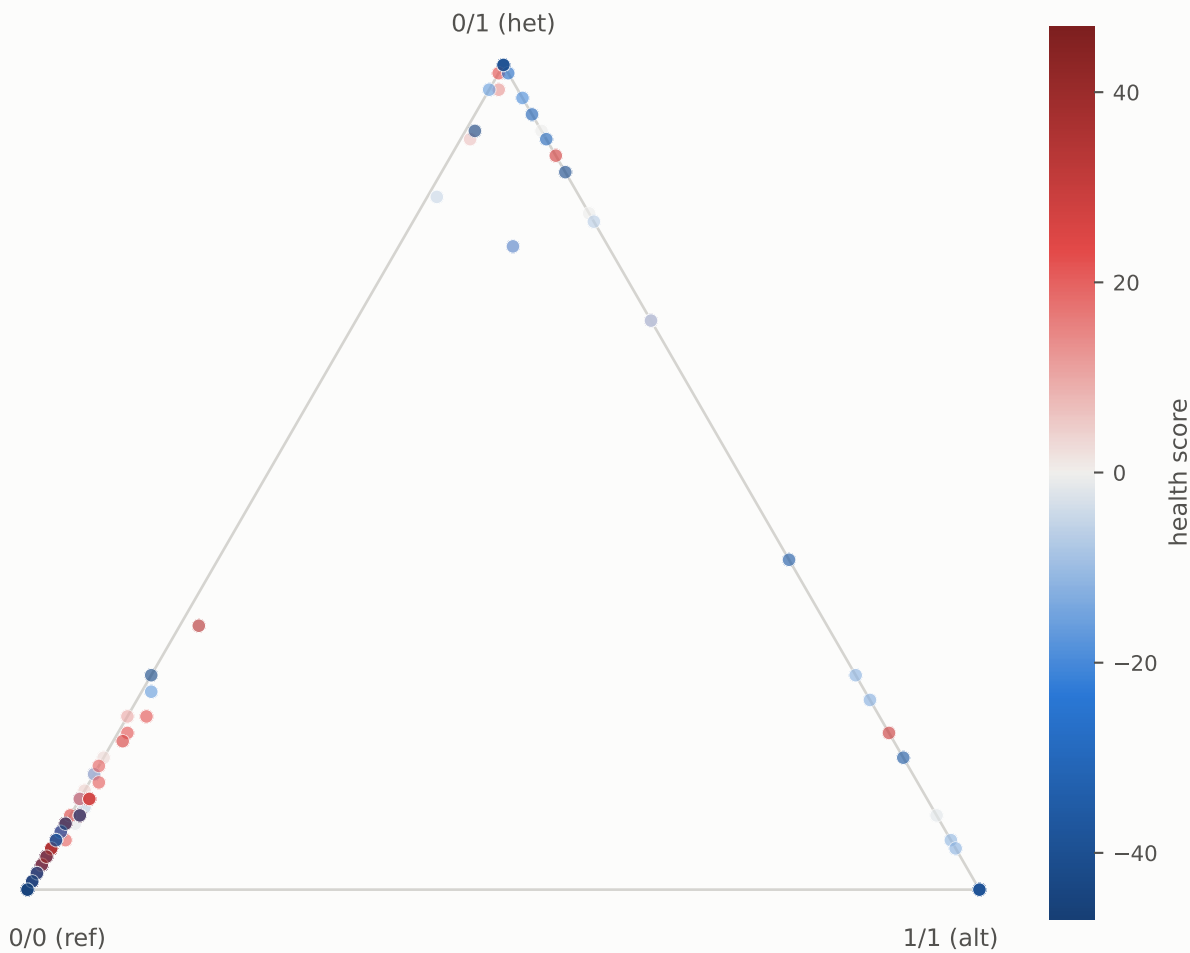


#134 by health association CHR\_01:43,427,130 G>T  
AF=0.078 DR2=0.95  $r=-0.197$  H=0.027 F=11.0

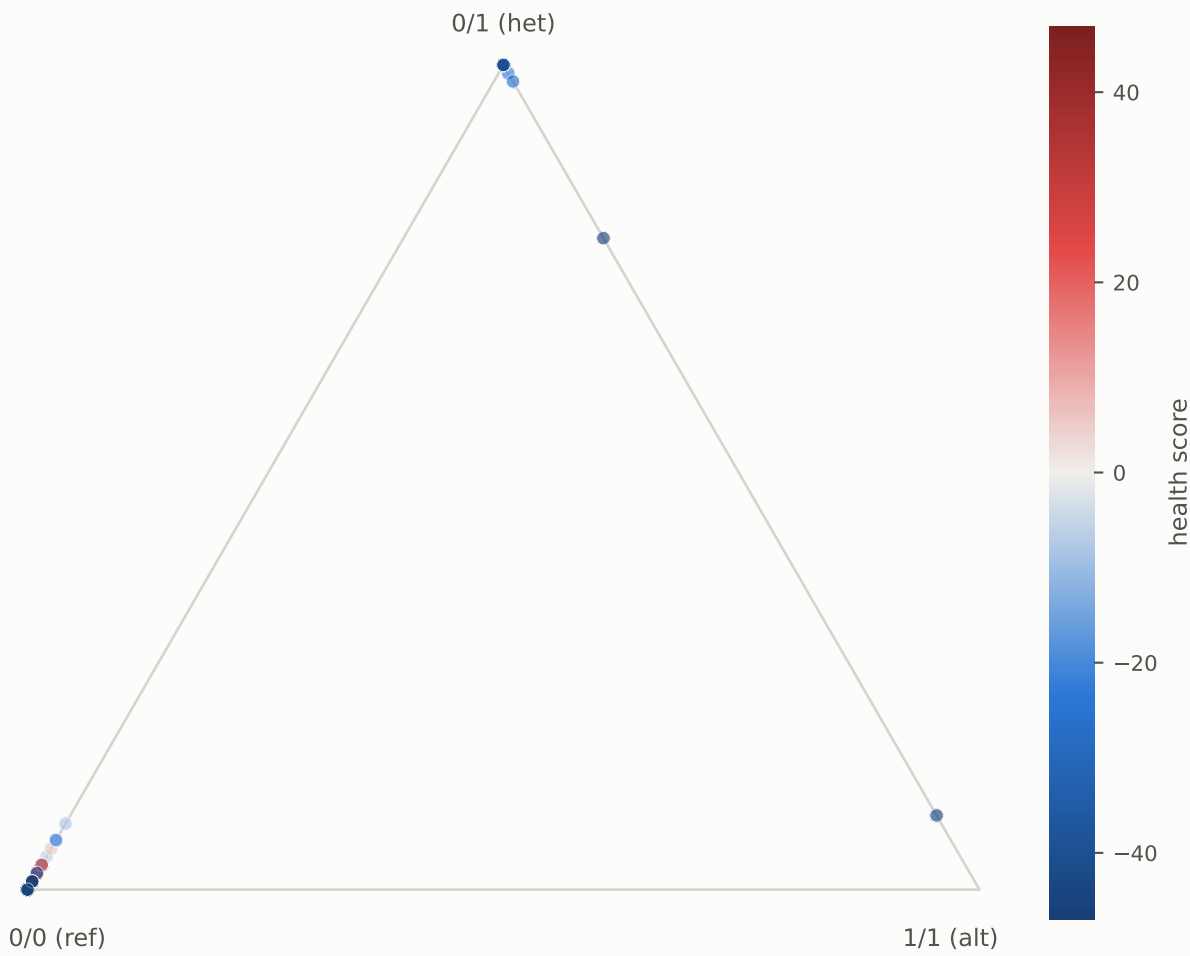




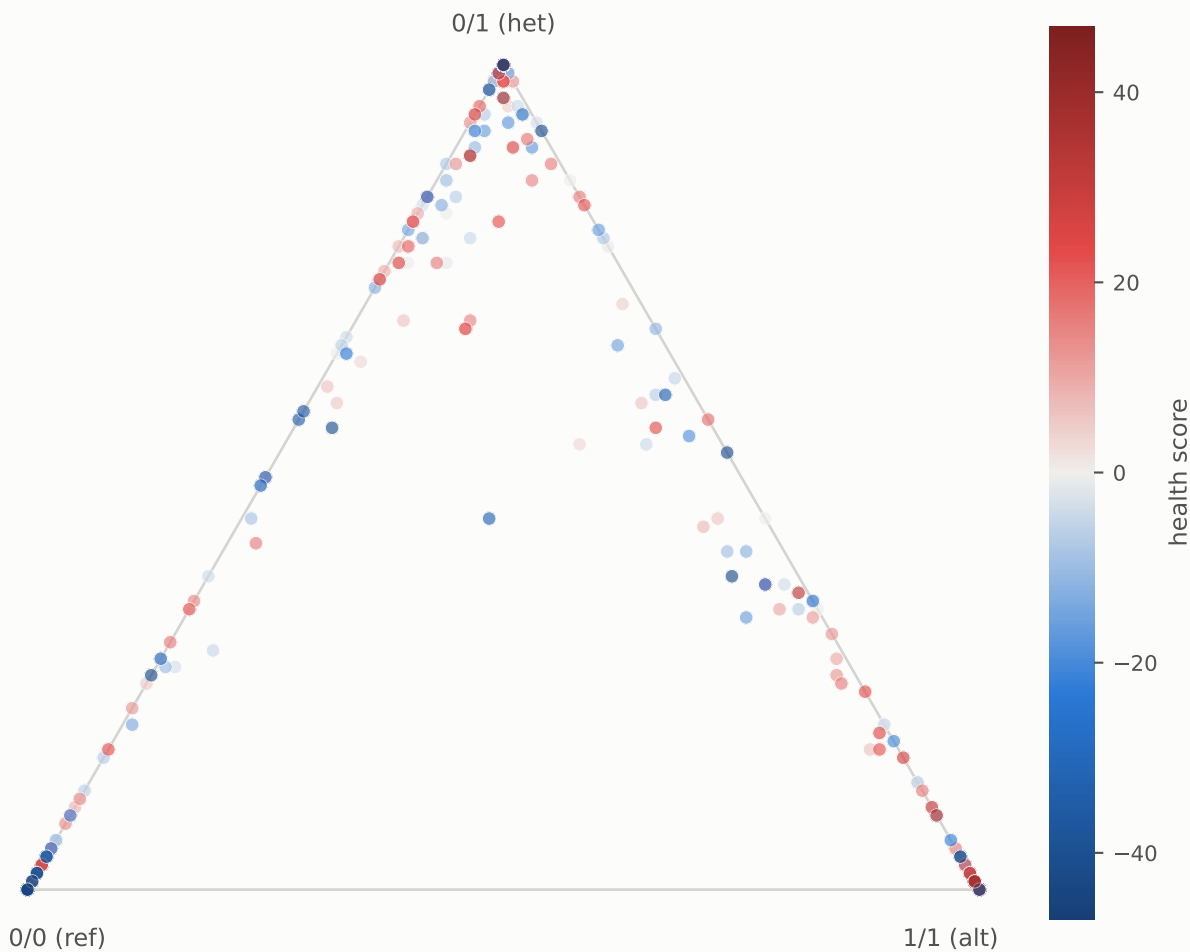
#135 by health association CHR\_19:6,211,156 A>G  
AF=0.076 DR2=0.82  $r=-0.197$   $H=0.122$   $F=10.6$



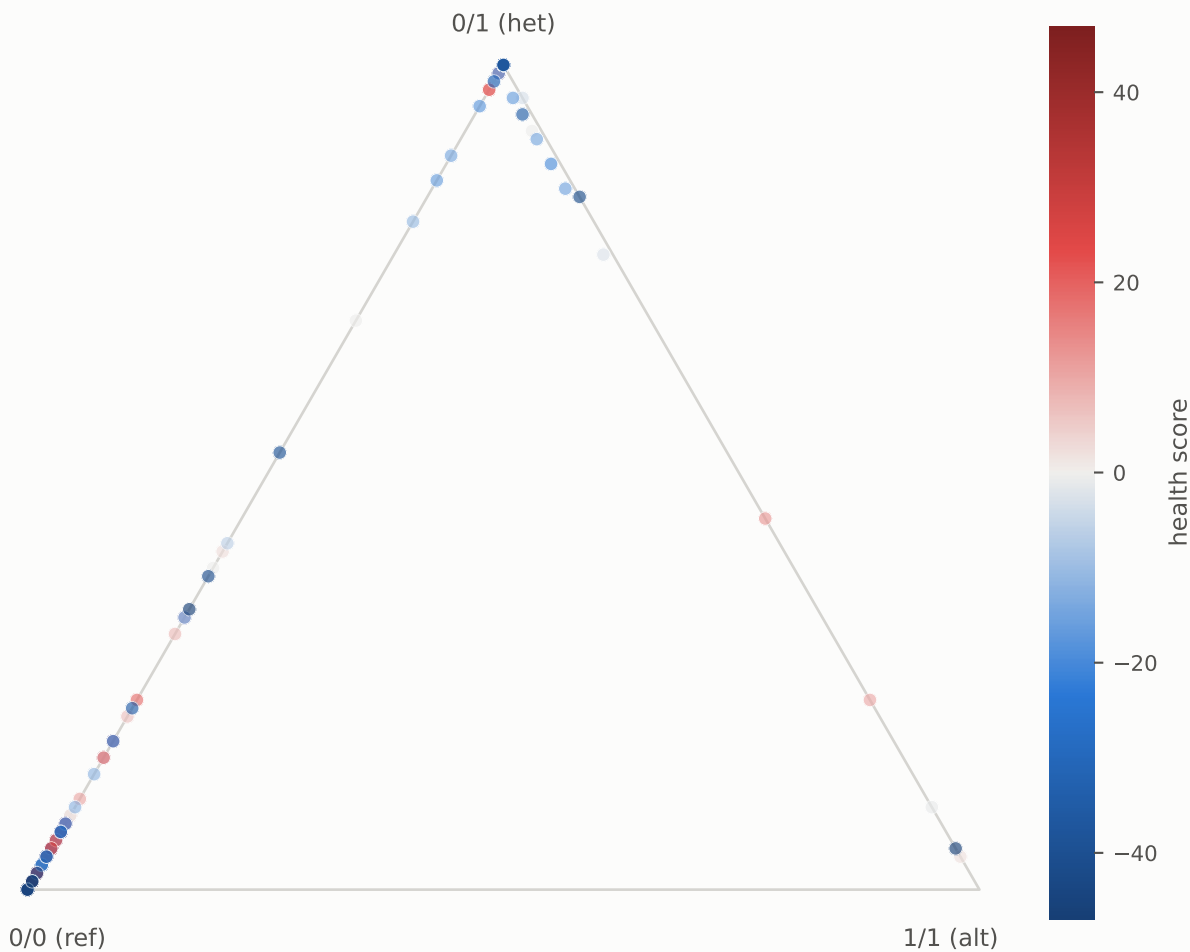
#136 by health association CHR\_09:20,134,287 C>T  
AF=0.025 DR2=0.9 r=-0.197 H=0.024 F=12.4



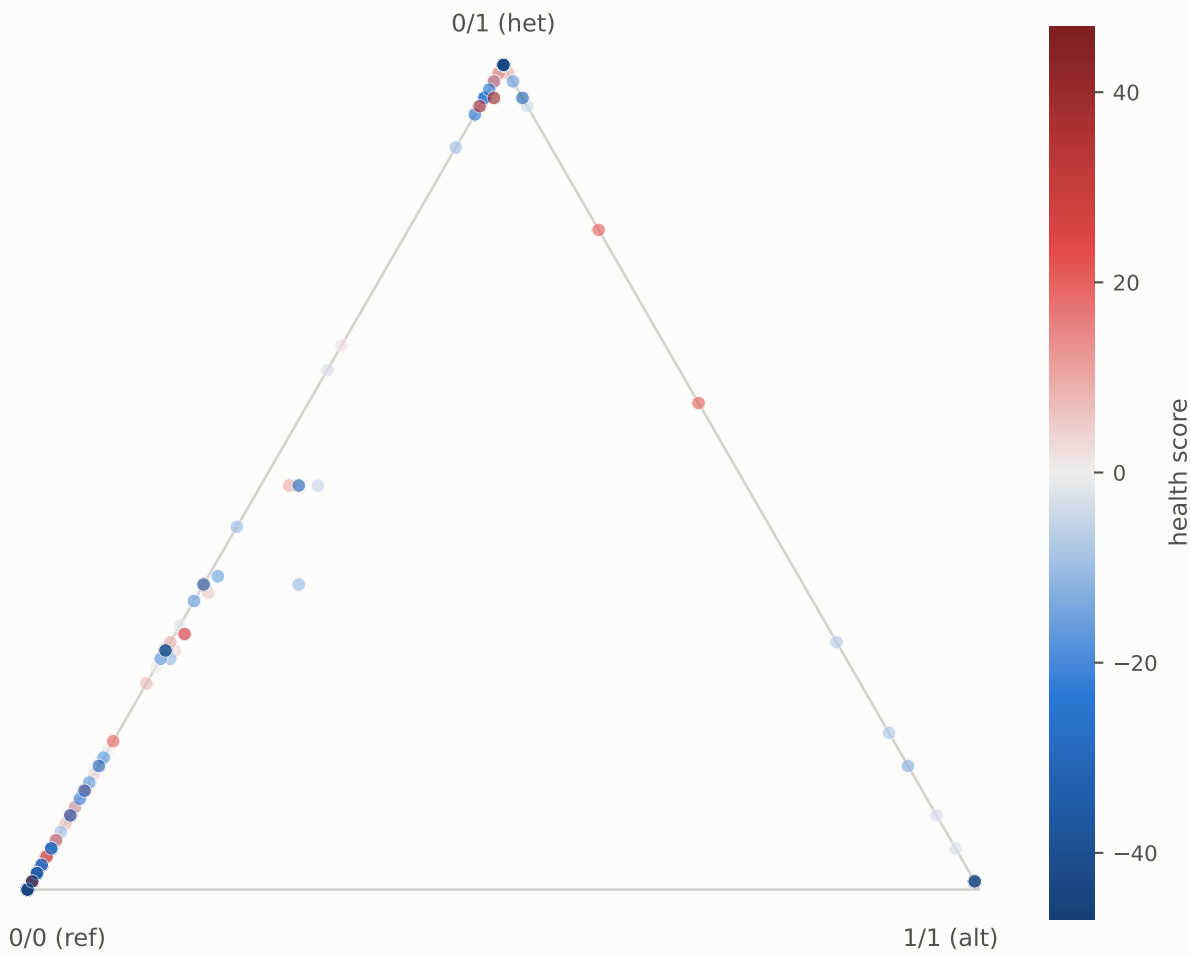
#137 by health association CHR\_17:2,944,734 C>T  
AF=0.47 DR2=0.84  $r=+0.197$  H=0.212 F=8.4



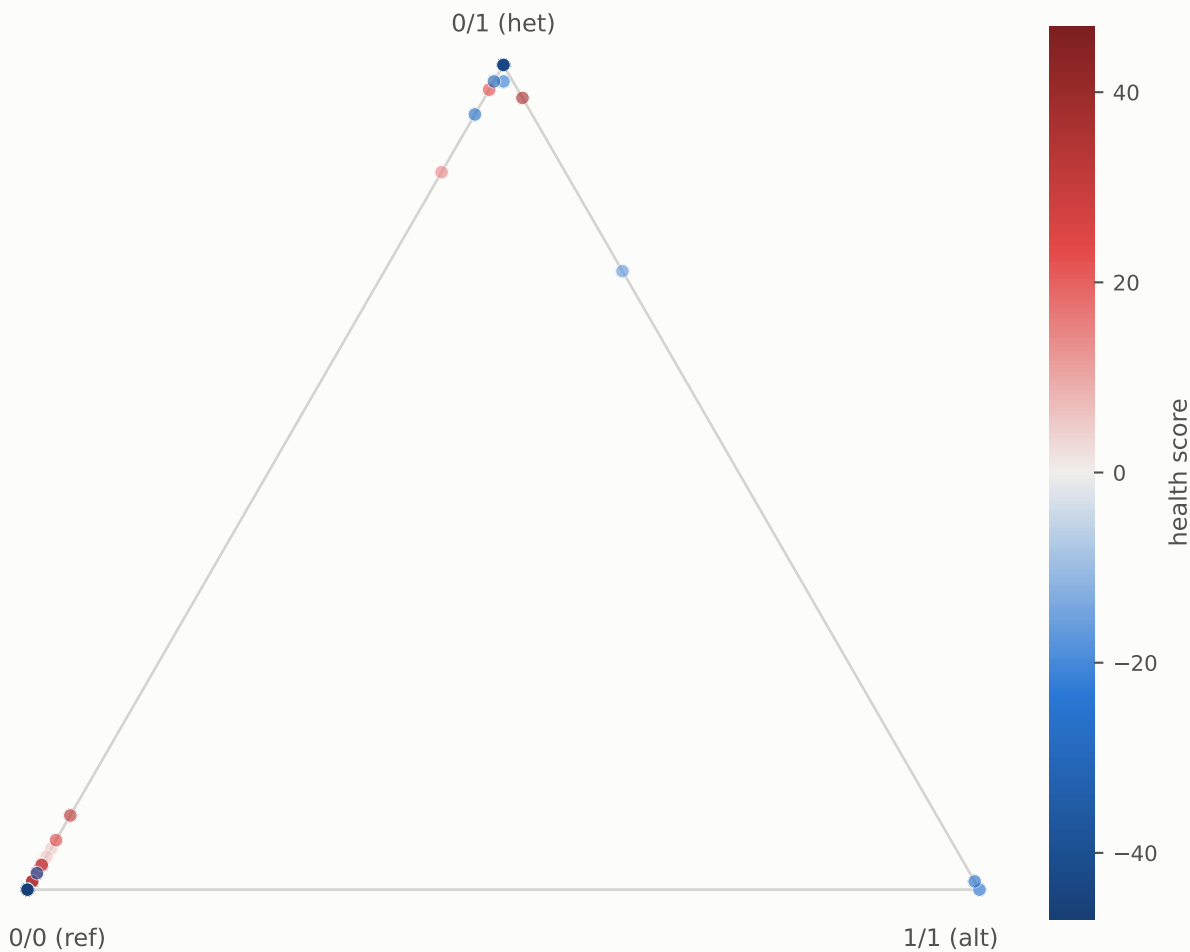
#138 by health association CHR\_15:8,643,815 G>A  
AF=0.071 DR2=0.88  $r=-0.197$  H=0.069 F=9.0



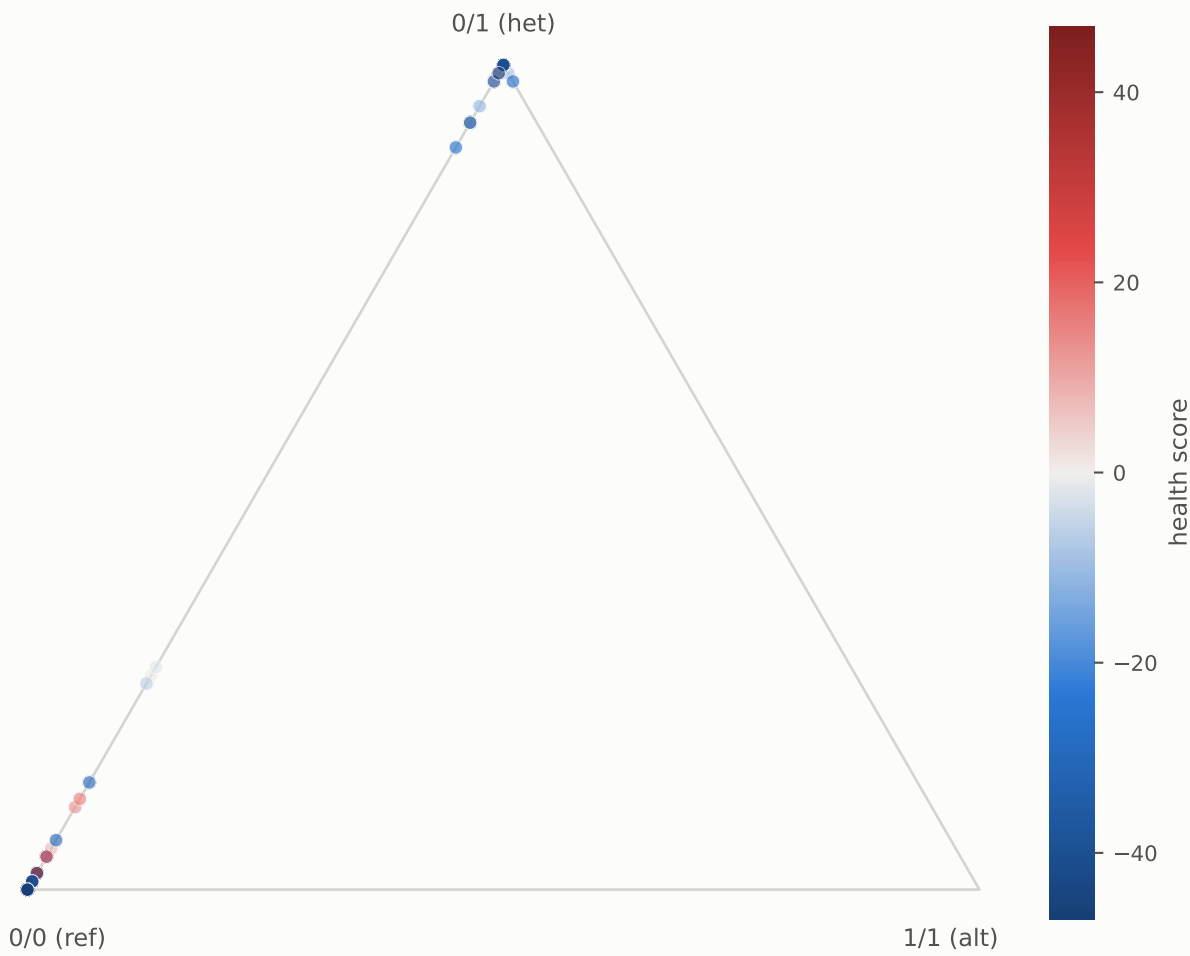
#139 by health association CHR\_20:4,510,367 C>T  
AF=0.082 DR2=0.81 r=-0.197 H=0.083 F=7.5



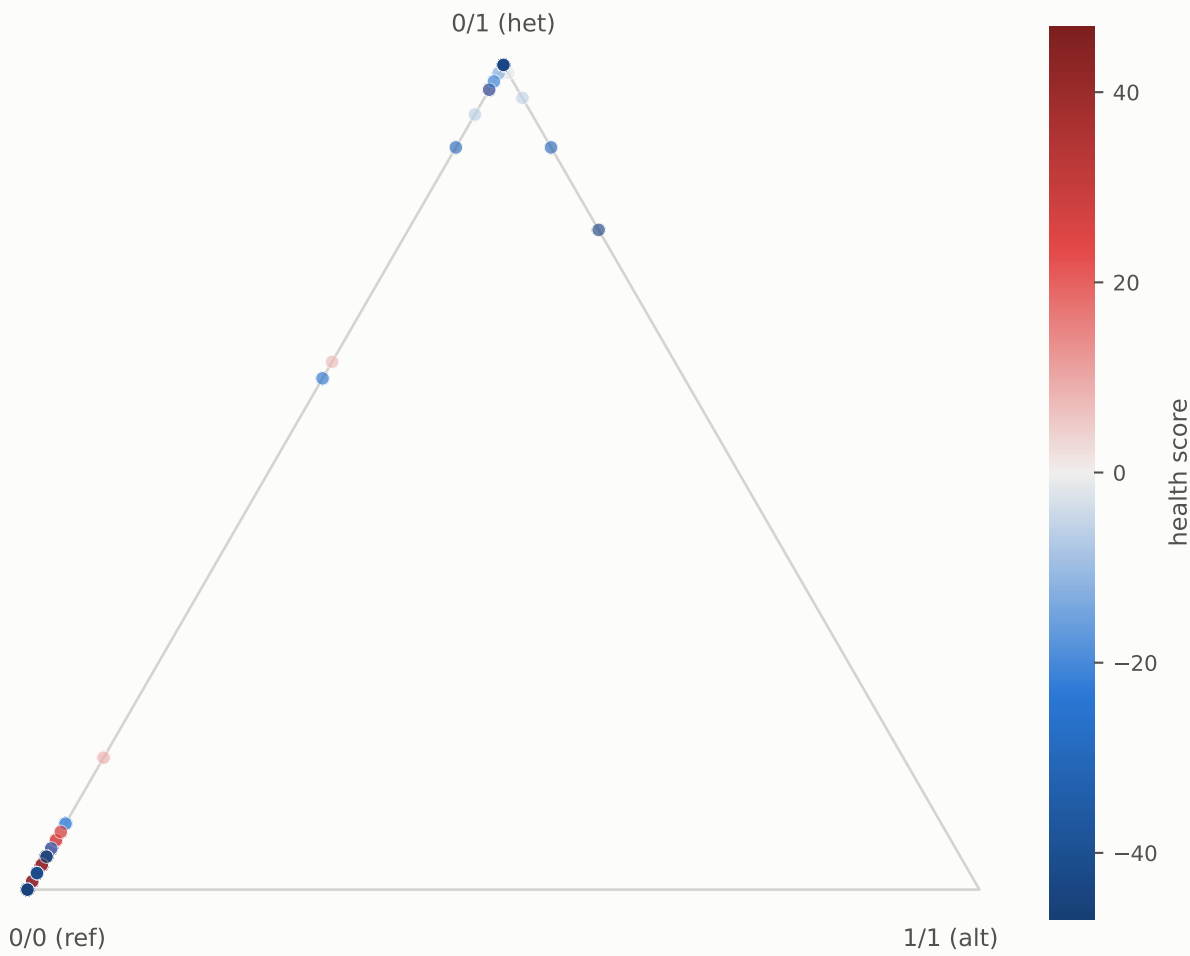
#140 by health association CHR\_14:28,262,694 C>T  
AF=0.051 DR2=0.96 r=-0.197 H=0.010 F=10.6



#141 by health association CHR\_03:21,006,868 G>A  
AF=0.051 DR2=0.95  $r=-0.197$  H=0.017 F=17.8

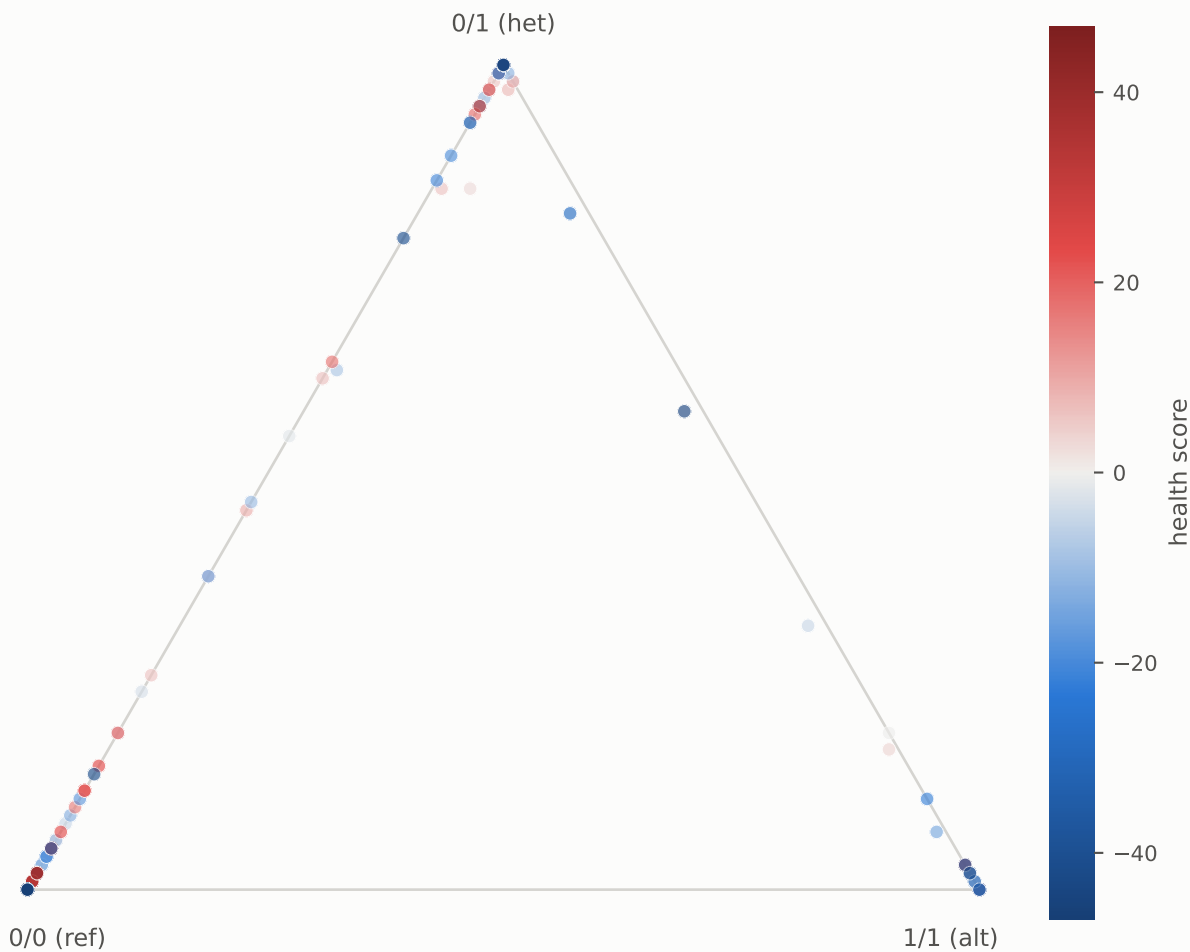


#142 by health association CHR\_17:14,764,587 A>G  
AF=0.038 DR2=0.84  $r=-0.196$  H=0.045 F=17.0

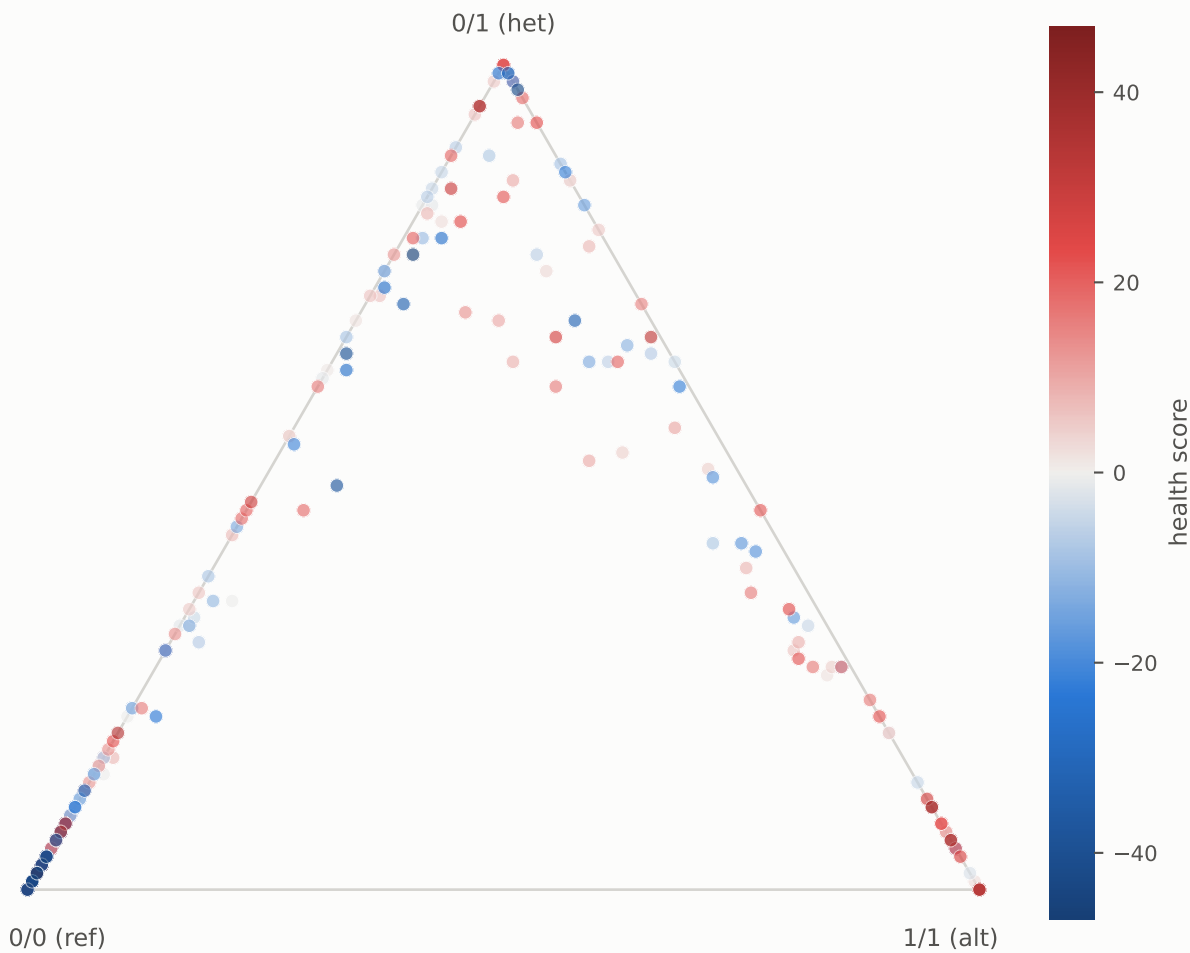




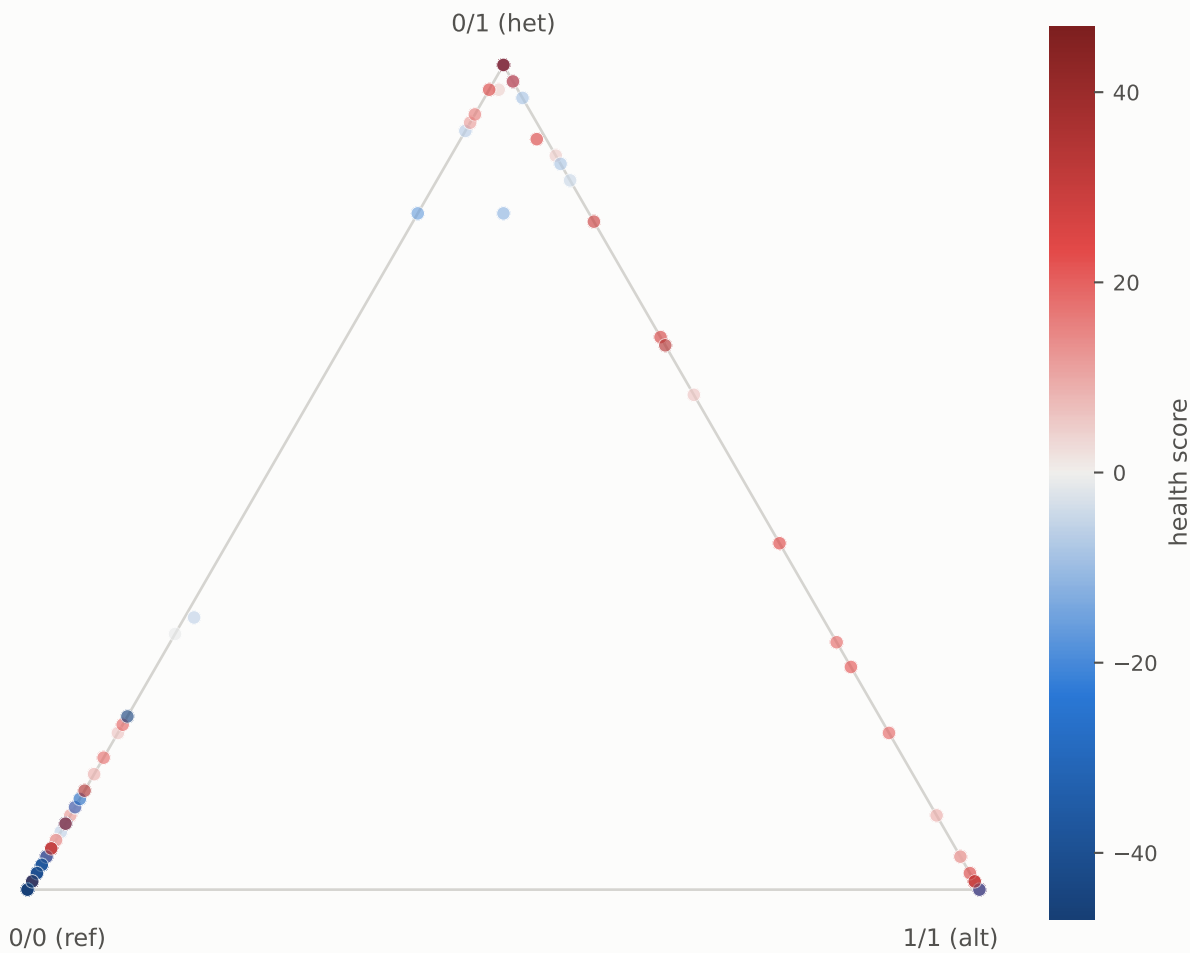
#143 by health association CHR\_16:24,260,179 T>C  
AF=0.11 DR2=0.92 r=-0.196 H=0.057 F=8.5



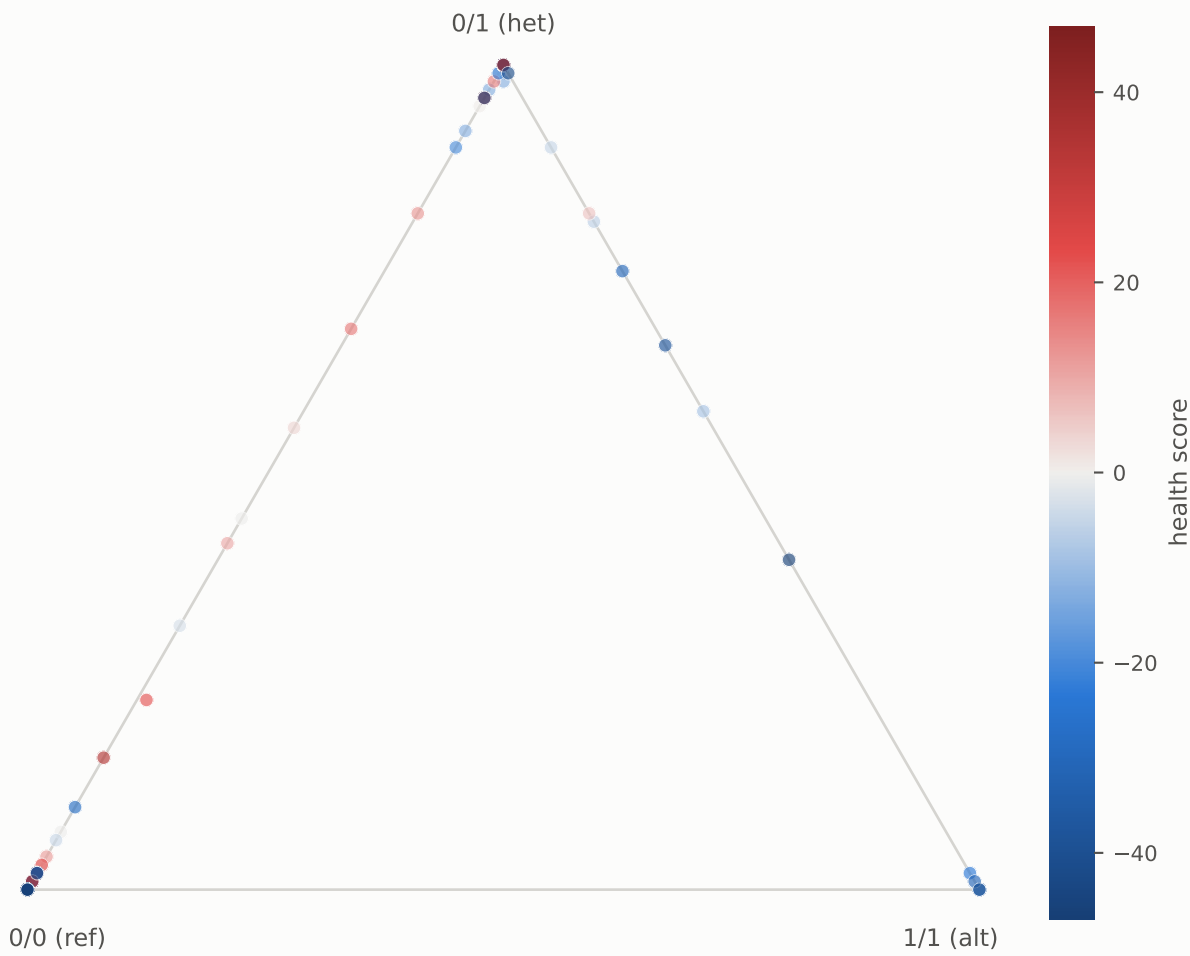
#144 by health association CHR\_02:15,600,224 G>A  
AF=0.19 DR2=0.82 r=+0.196 H=0.232 F=10.0



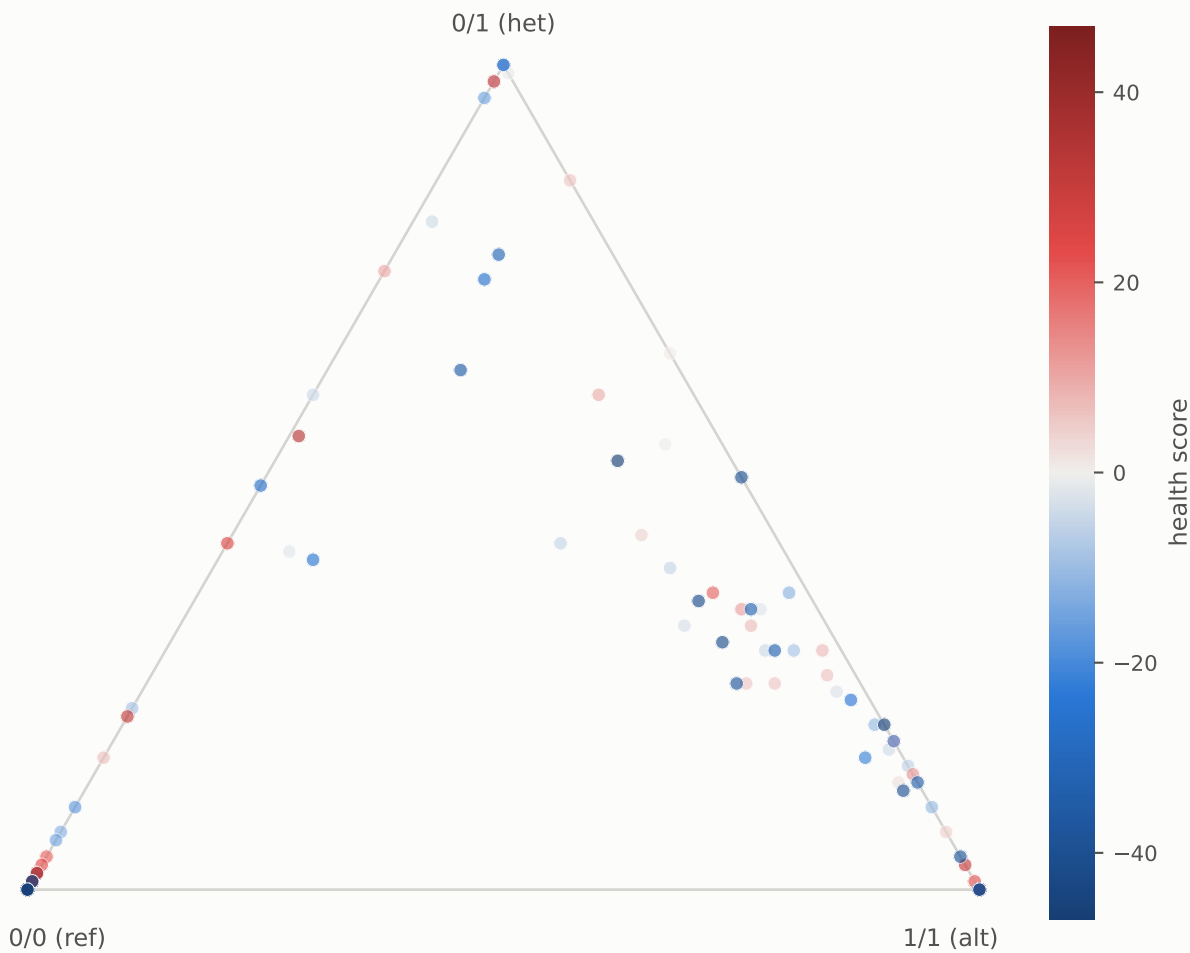
#145 by health association CHR\_02:19,775,450 G>A  
AF=0.13 DR2=0.95  $r=+0.196$  H=0.054 F=8.8



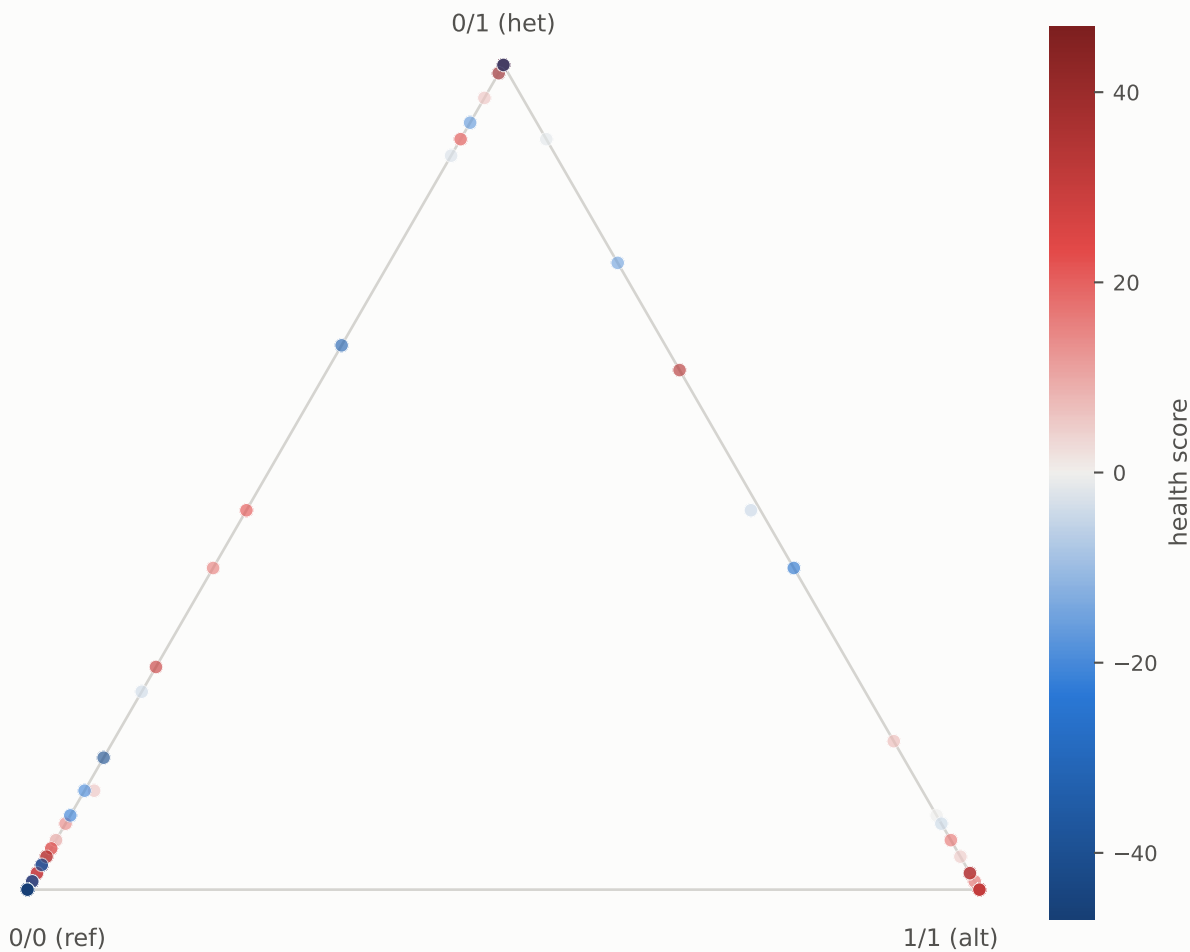
#146 by health association CHR\_11:8,663,662 C>A  
AF=0.086 DR2=0.94  $r=-0.196$   $H=0.032$   $F=10.4$



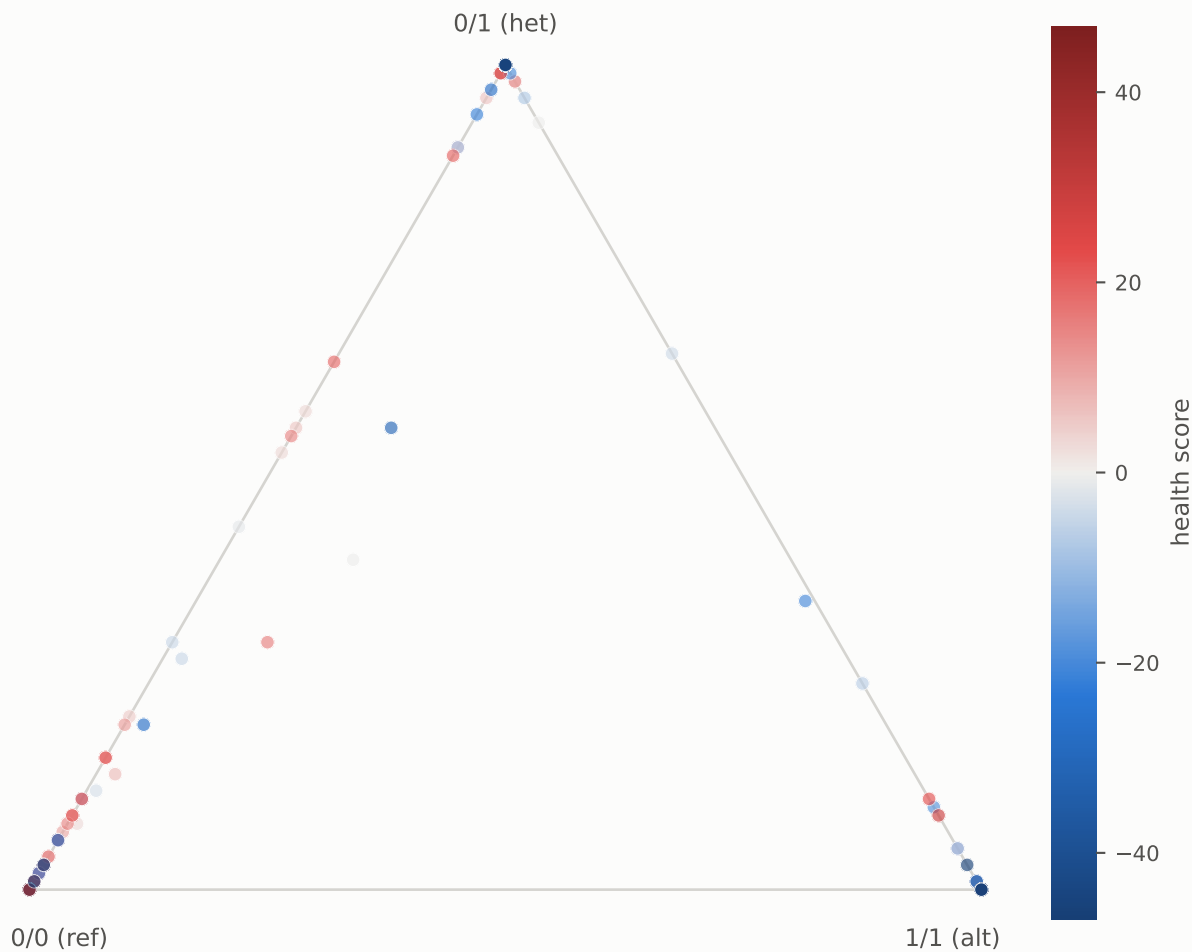
#147 by health association CHR\_12:24,435,103 G>A  
AF=0.12 DR2=0.89 r=-0.196 H=0.096 F=8.8



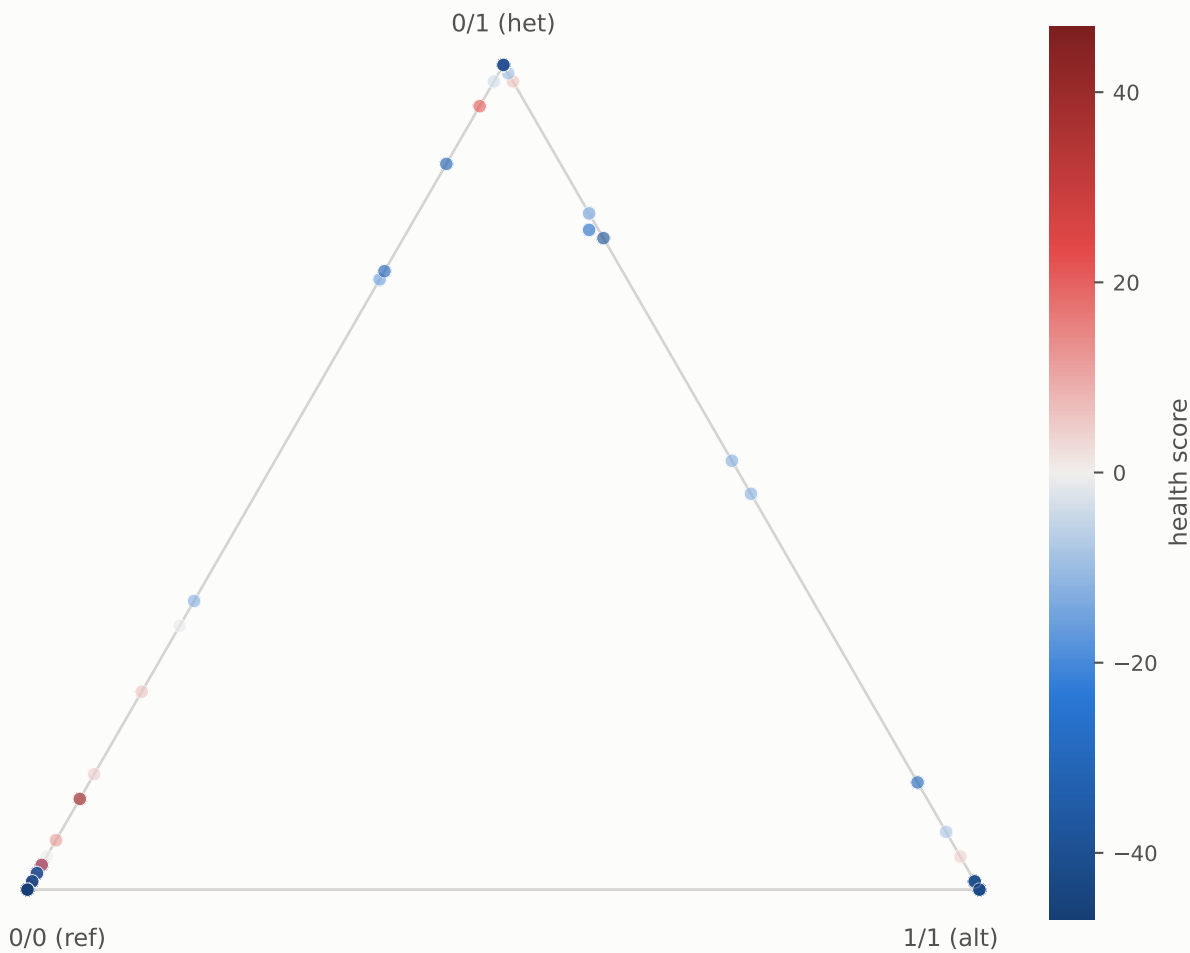
#148 by health association CHR\_14:17,030,997 C>A  
AF=0.16 DR2=0.96  $r=+0.196$  H=0.033 F=8.3



#149 by health association CHR\_12:31,313,395 C>A  
AF=0.32 DR2=0.95 r=-0.196 H=0.051 F=9.9

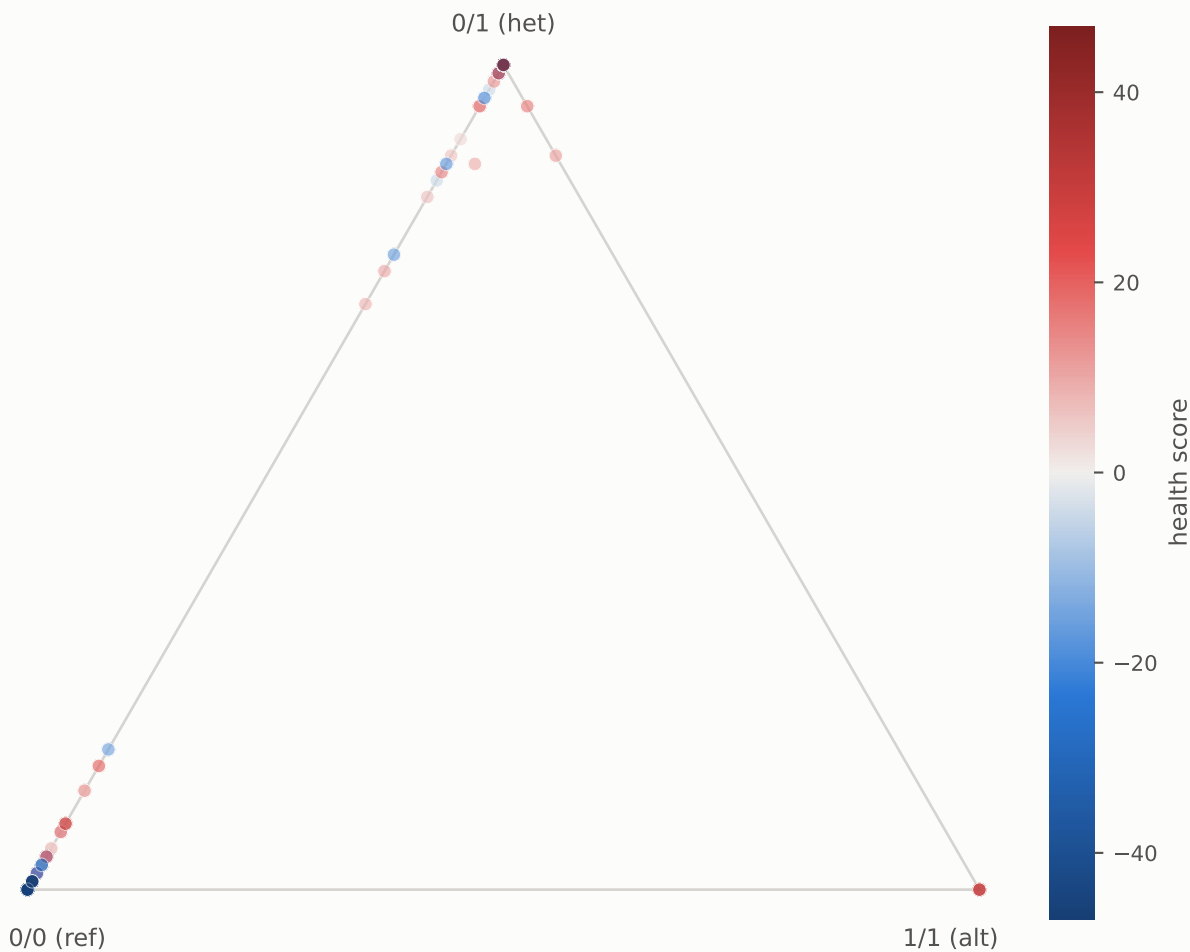


#150 by health association CHR\_14:30,823,224 C>T  
AF=0.11 DR2=0.97  $r=-0.196$  H=0.030 F=9.2

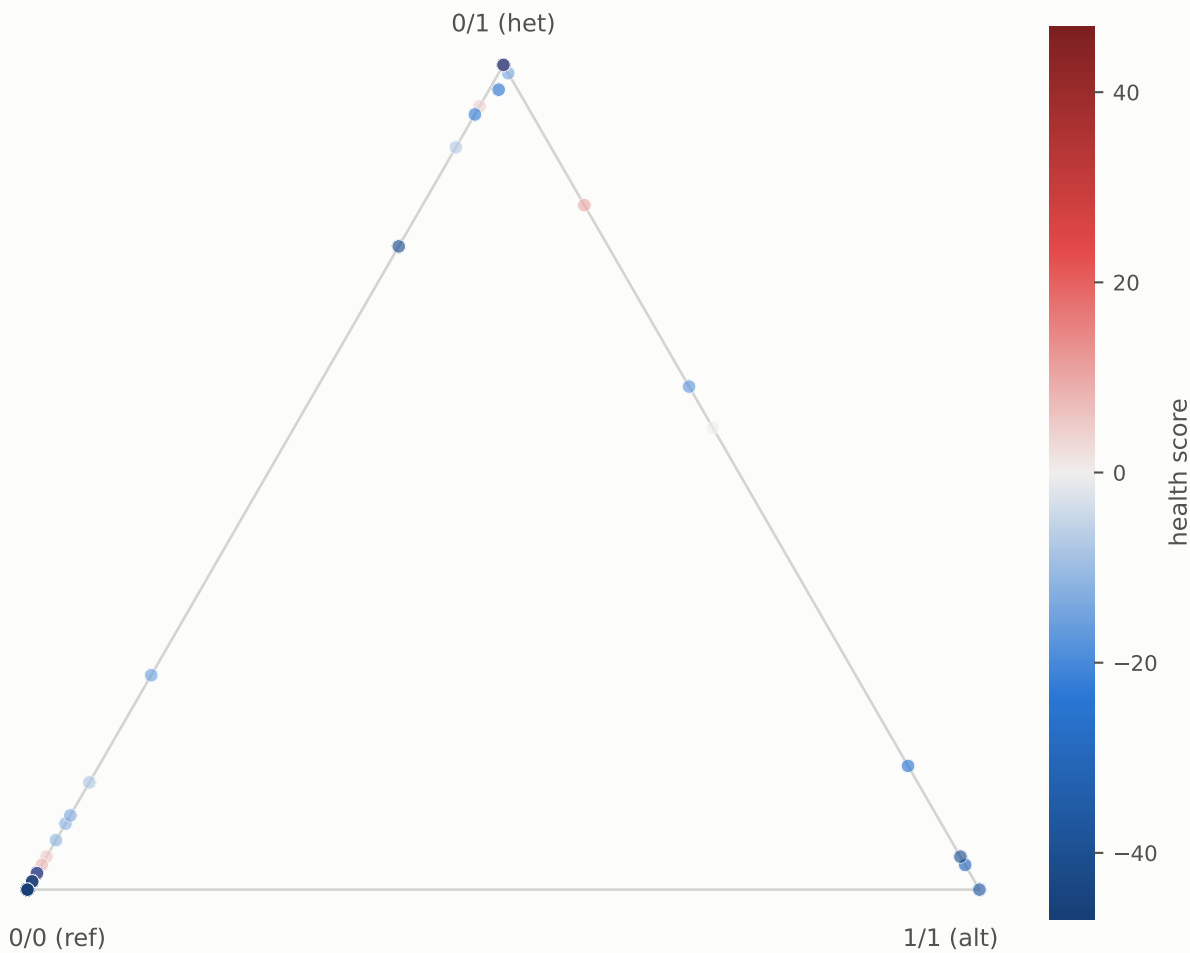




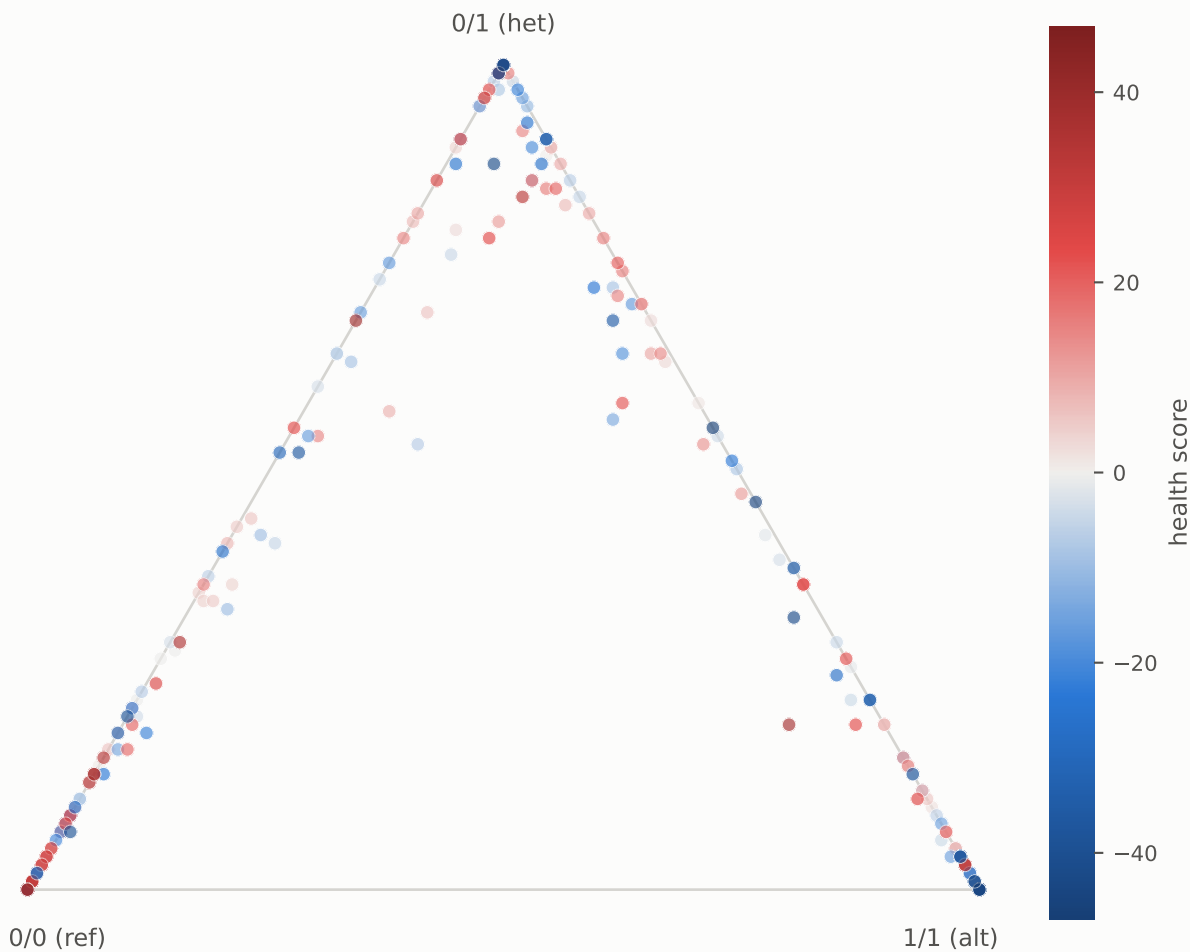
#151 by health association CHR\_02:24,348,821 C>T  
AF=0.082 DR2=0.94  $r=+0.196$  H=0.027 F=12.9



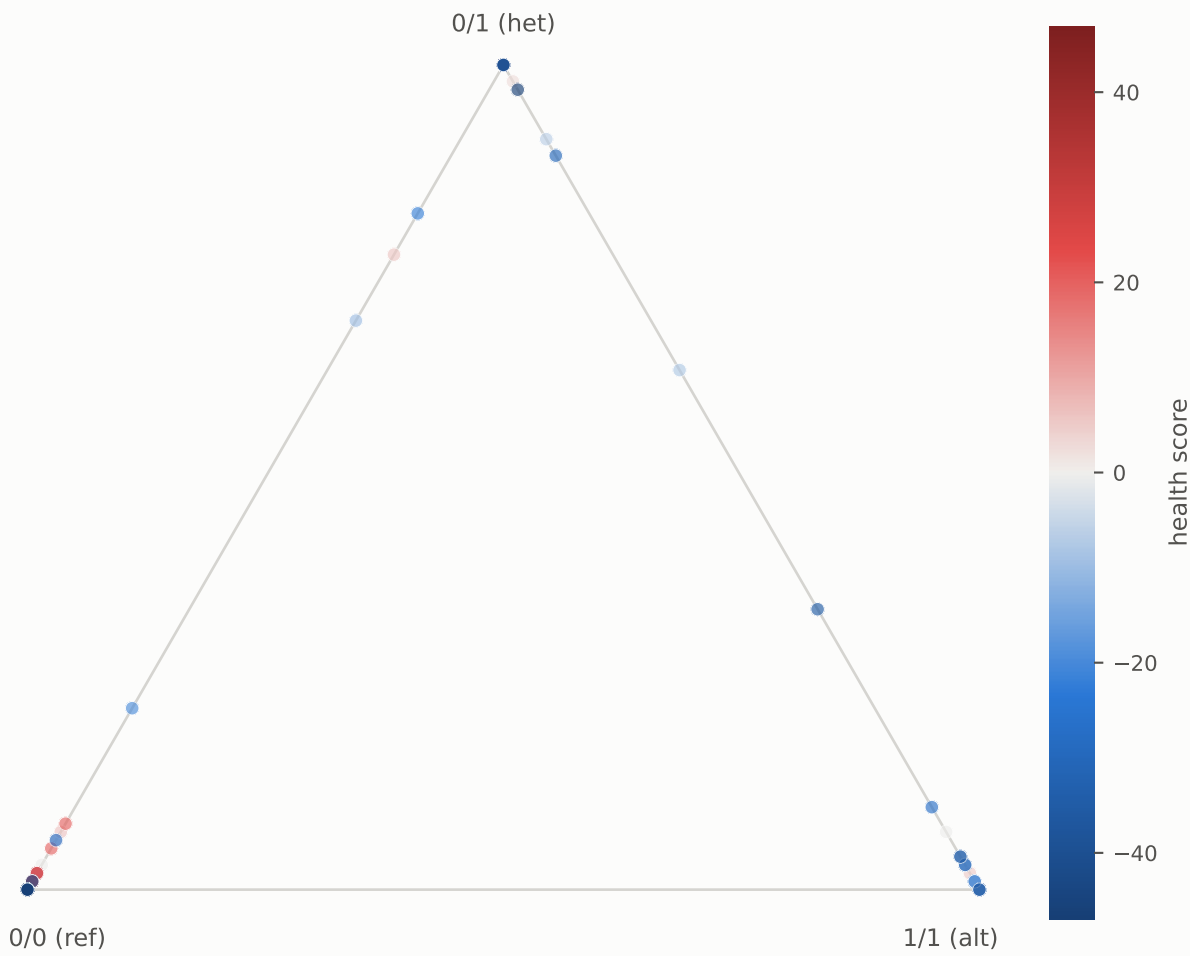
#152 by health association unpi-scaff\_035:8,780 C>T  
AF=0.029 DR2=0.92 r=-0.195 H=0.028 F=5.5



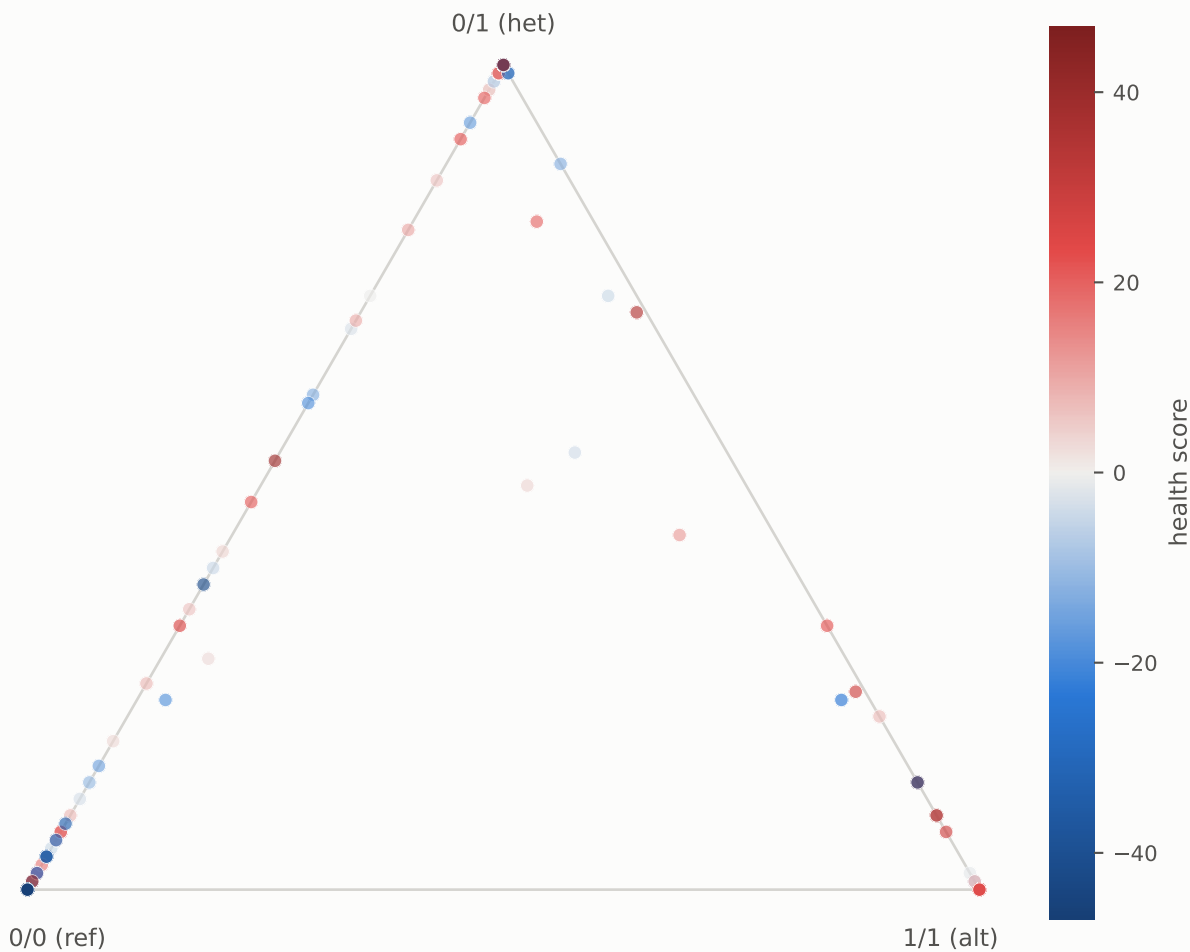
#153 by health association CHR\_04:41,215,426 C>T  
AF=0.46 DR2=0.86  $r=-0.195$   $H=0.221$   $F=8.3$



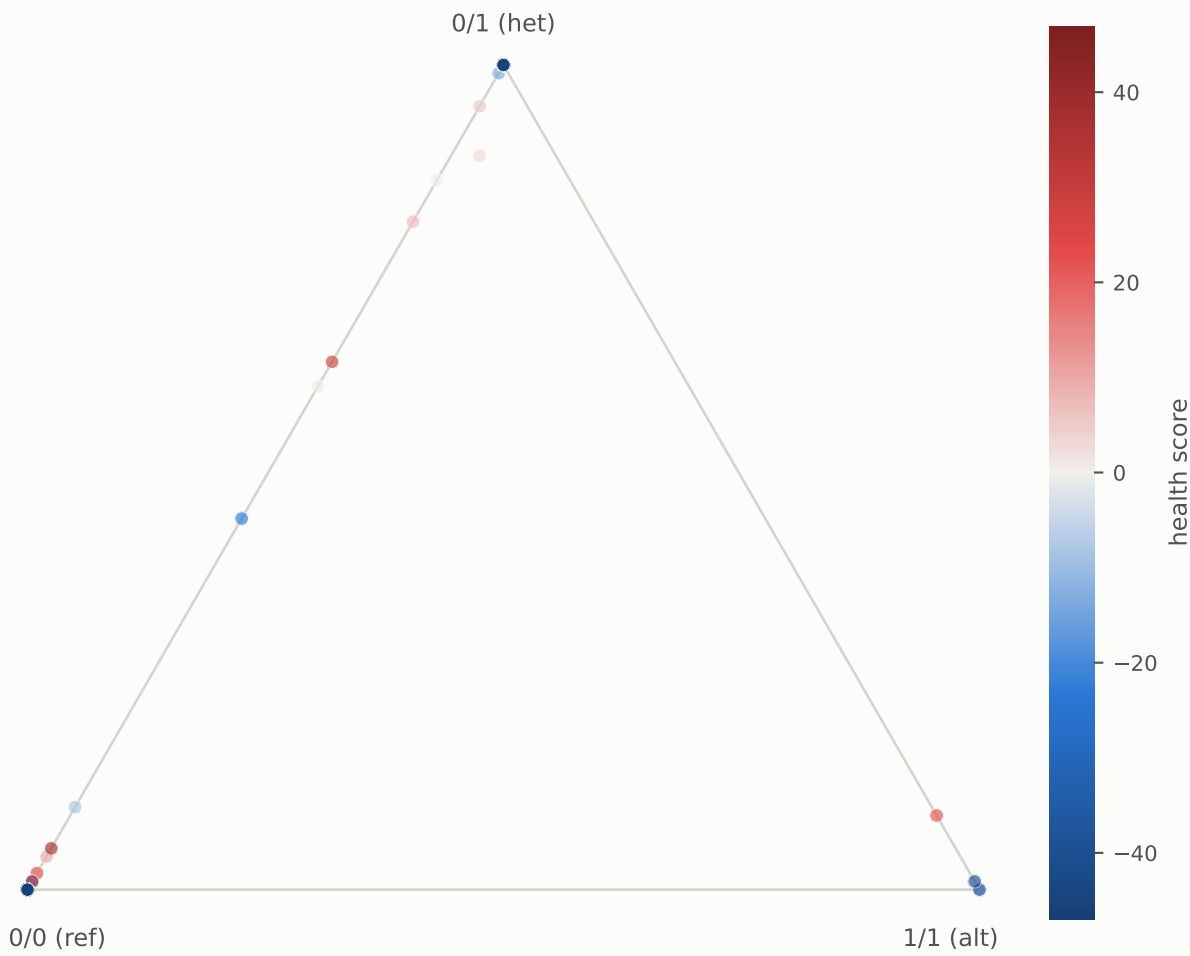
#154 by health association CHR\_23:2,459,043 G>T  
AF=0.1 DR2=0.98  $r=-0.195$   $\bar{H}=0.018$  F=9.0



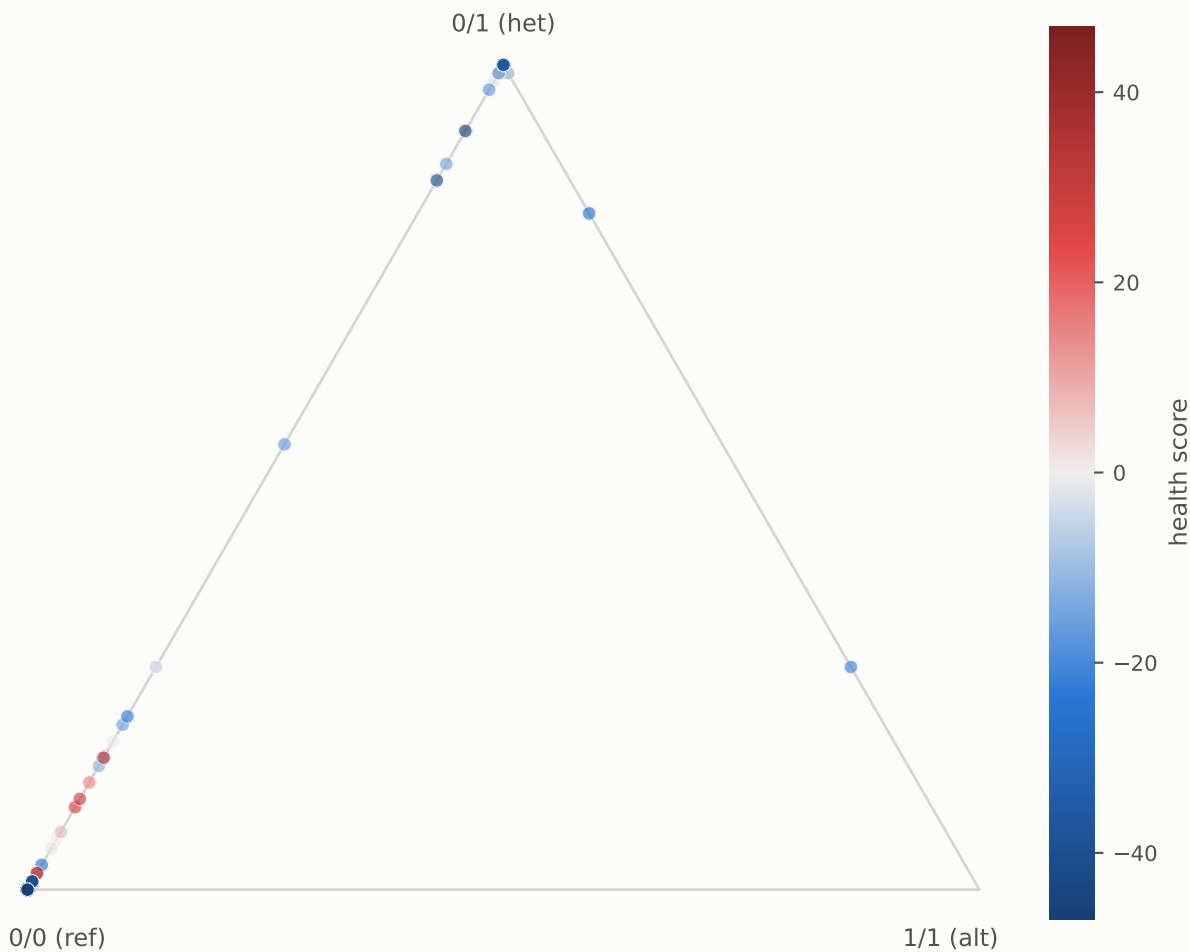
#155 by health association CHR\_16:27,660,573 T>C  
AF=0.13 DR2=0.91  $r=+0.195$  H=0.062 F=8.8



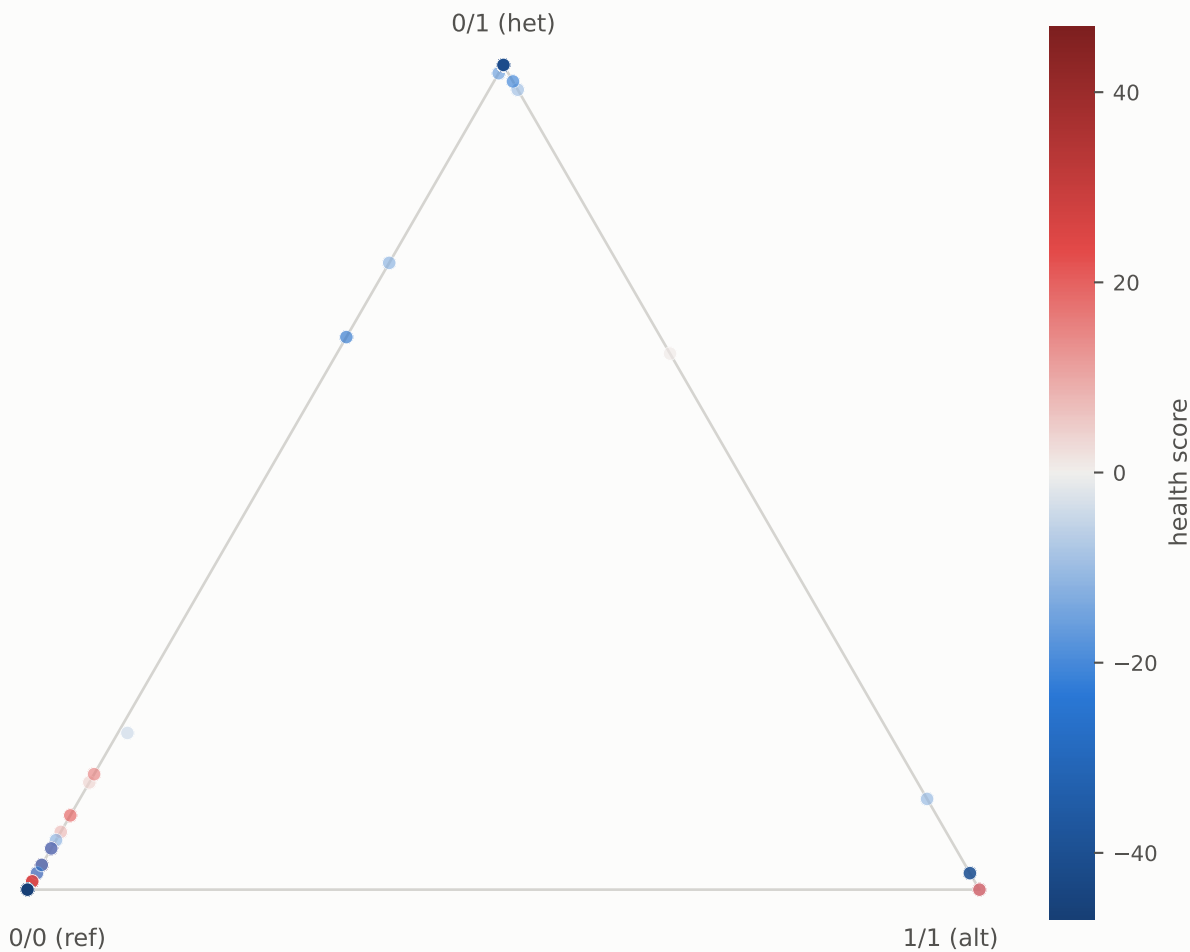
#156 by health association CHR\_21:16,652,896 C>T  
AF=0.056 DR2=0.97  $r=-0.195$  H=0.012 F=11.8



#157 by health association CHR\_15:23,499,748 G>A  
AF=0.022 DR2=0.84 r=-0.195 H=0.028 F=17.3

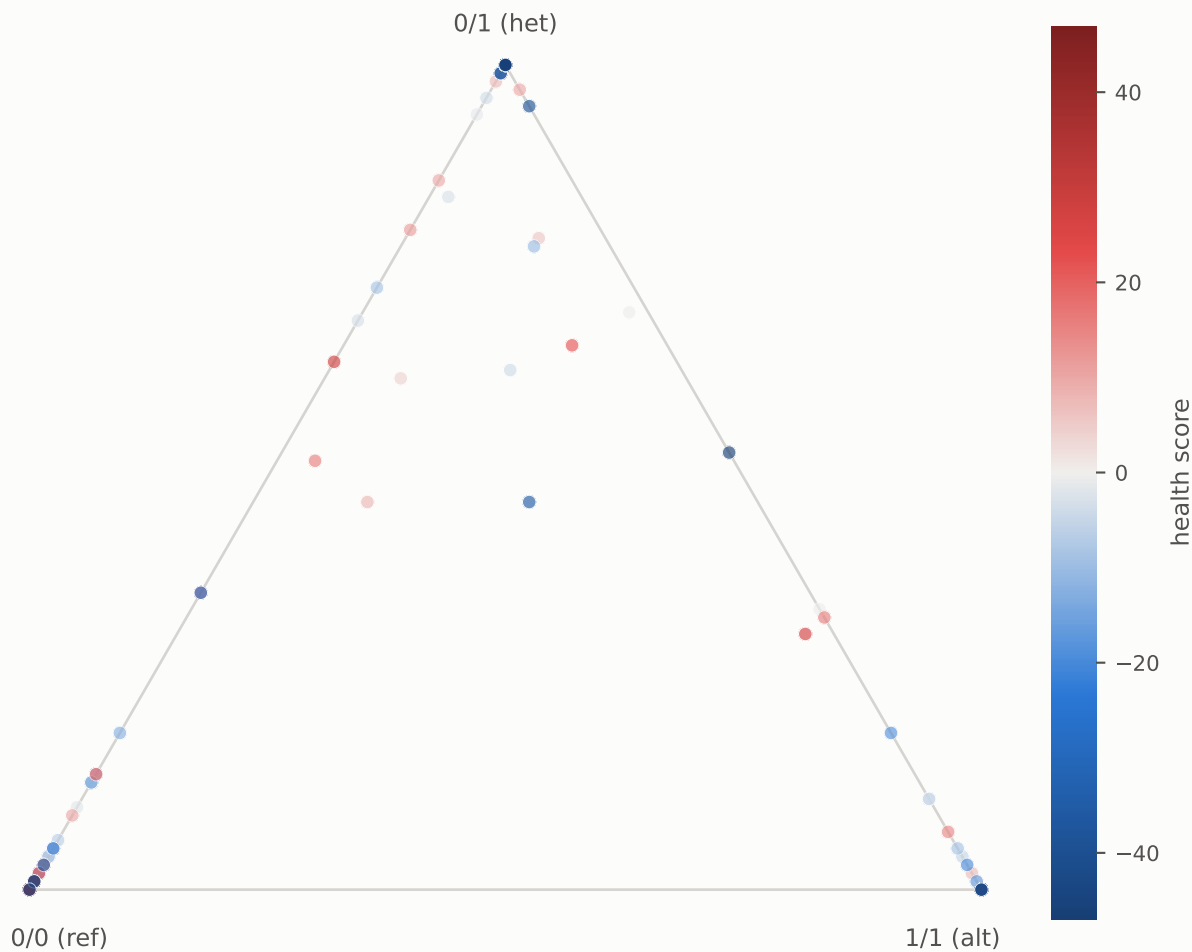


#158 by health association CHR\_16:25,114,876 G>A  
AF=0.06 DR2=0.95  $r=-0.195$  H=0.015 F=9.9

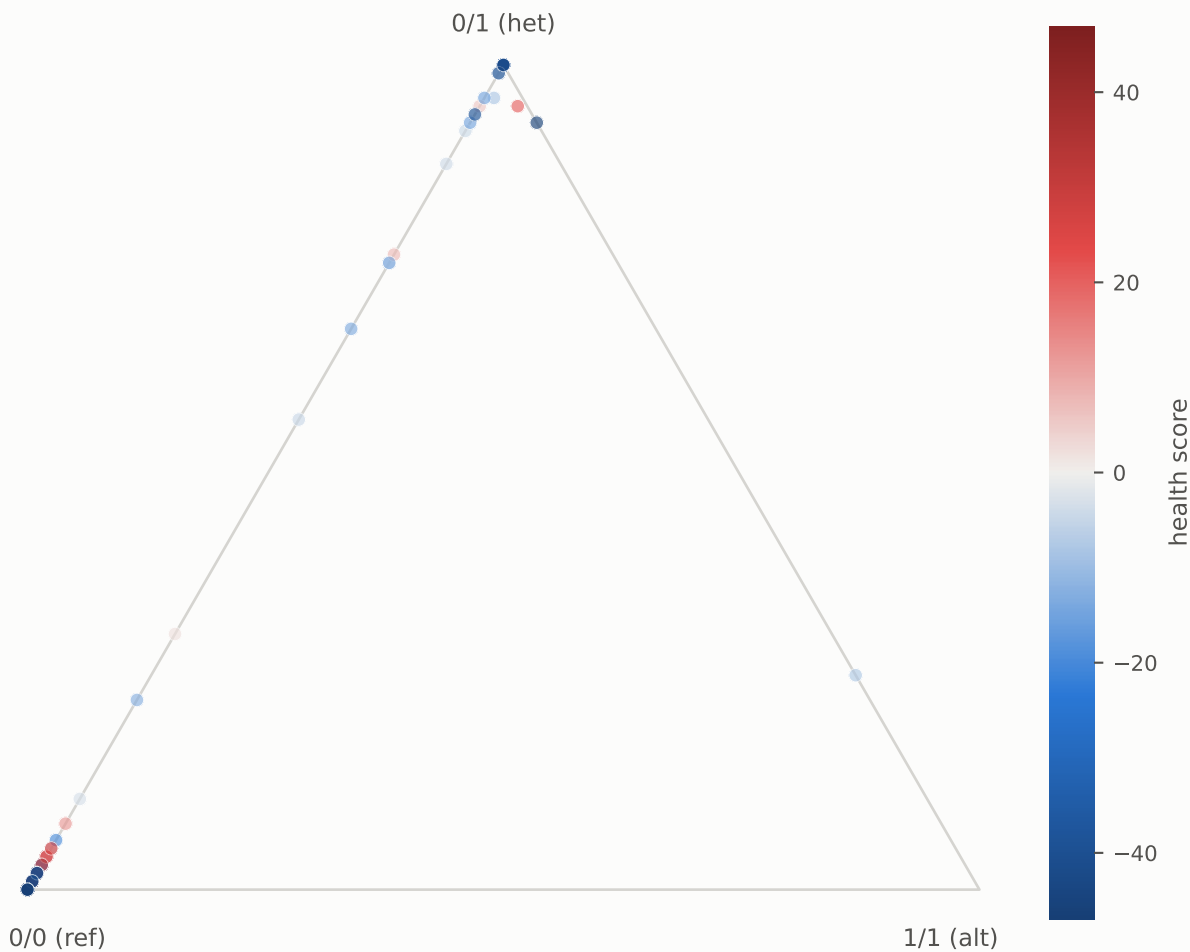




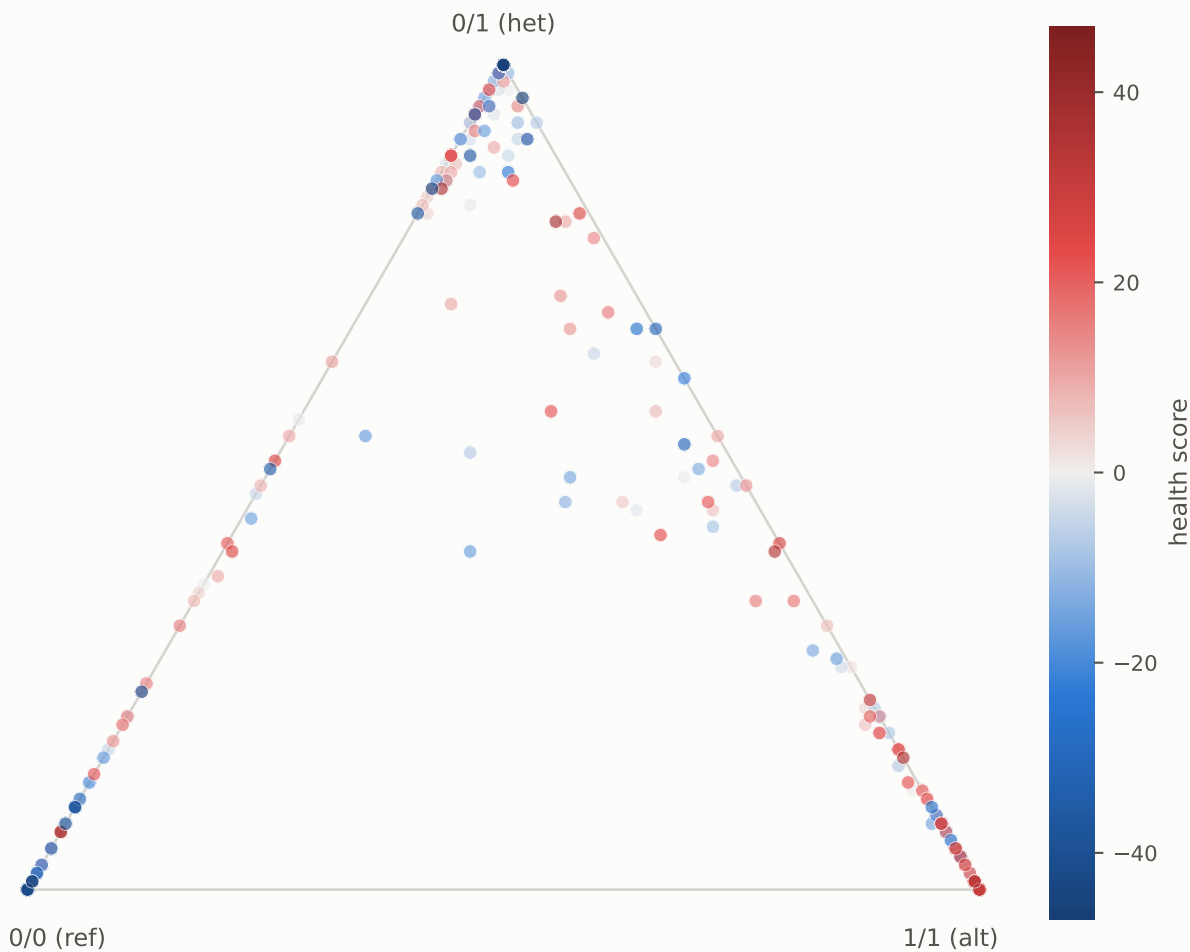
#159 by health association CHR\_10:9,174,045 T>A  
AF=0.26 DR2=0.96  $r=-0.195$   $\bar{H}=0.052$   $F=14.4$



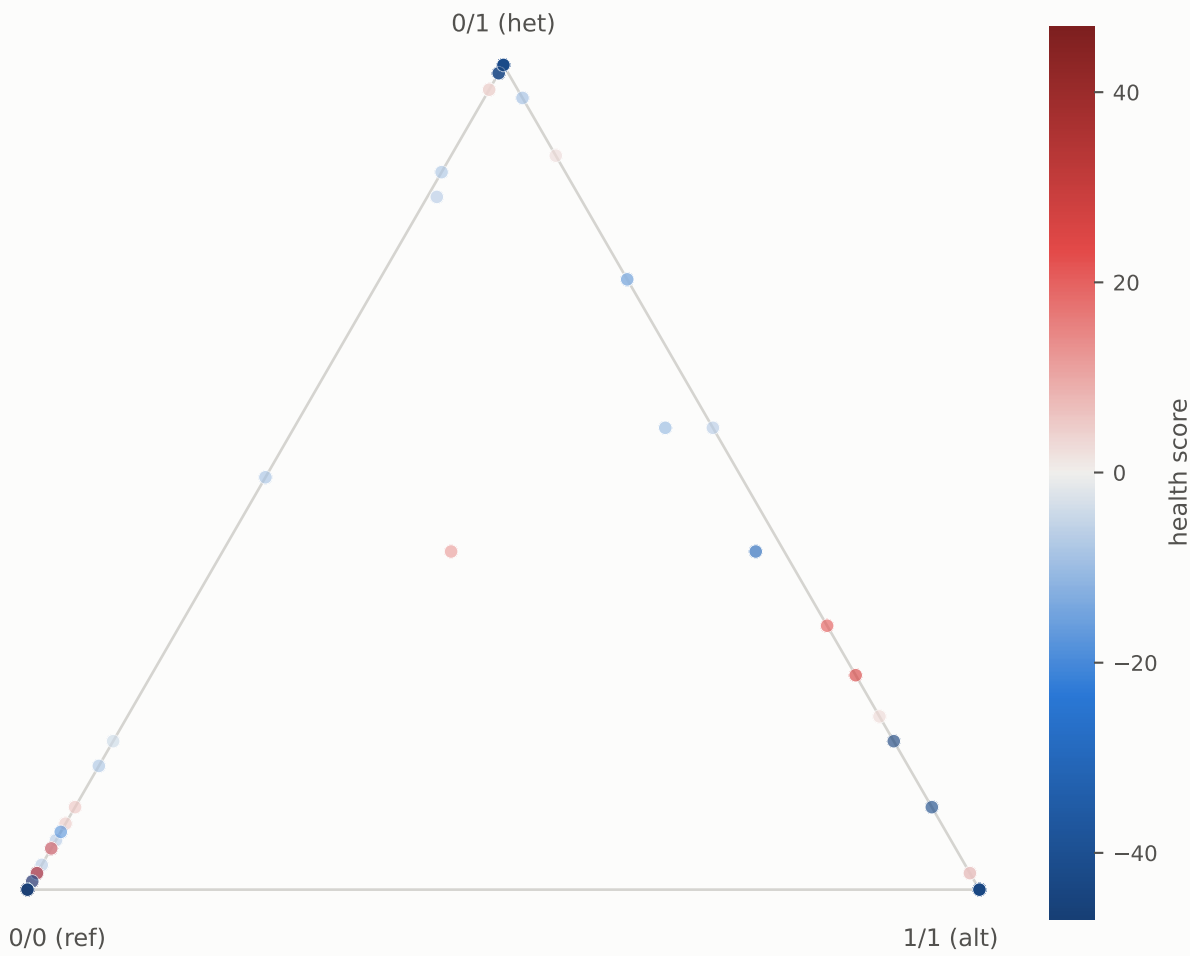
#160 by health association CHR\_04:25,917,981 G>A  
AF=0.044 DR2=0.9 r=-0.195 H=0.031 F=17.4



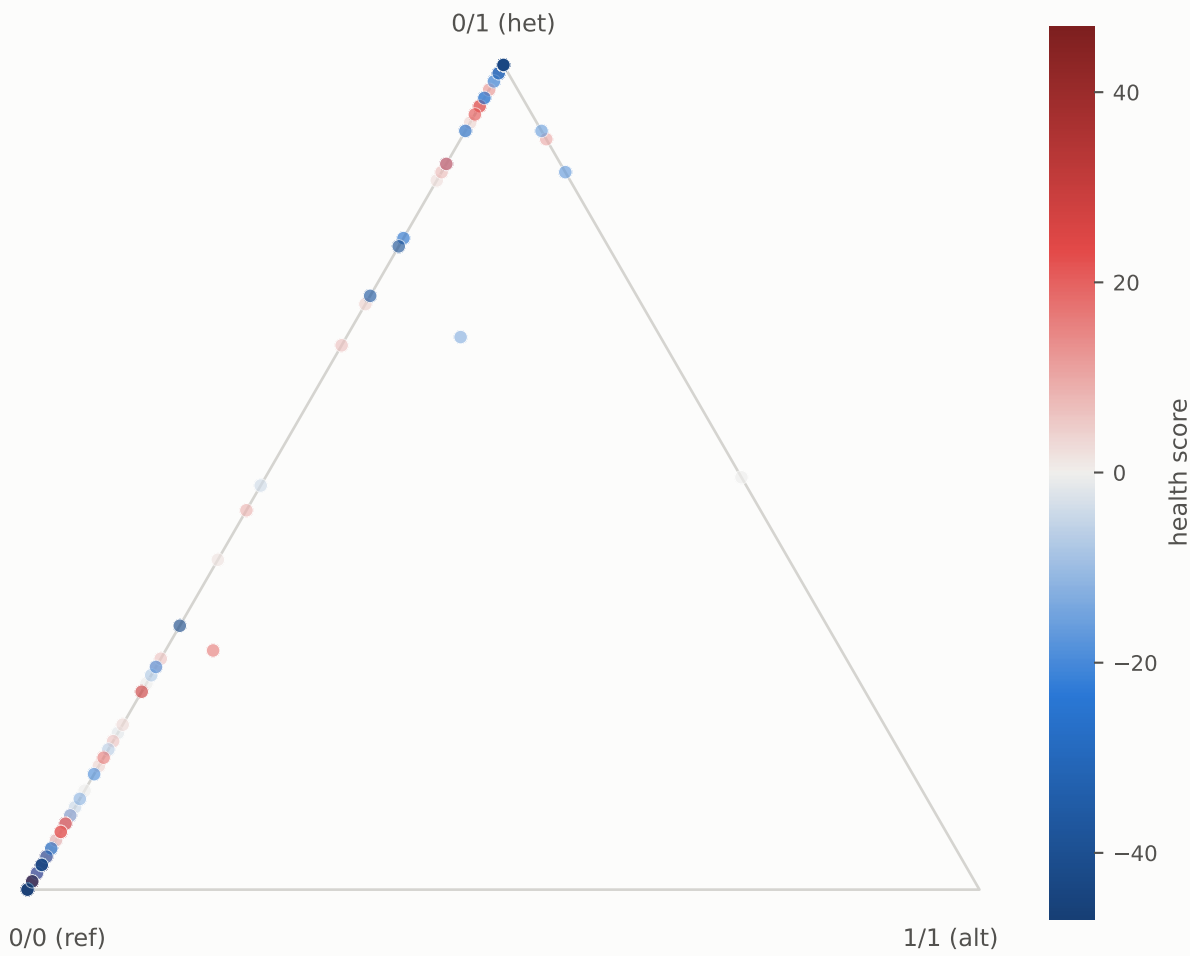
#161 by health association CHR\_11:23,062,293 A>G  
AF=0.5 DR2=0.85 r=+0.195 H=0.209 F=9.4



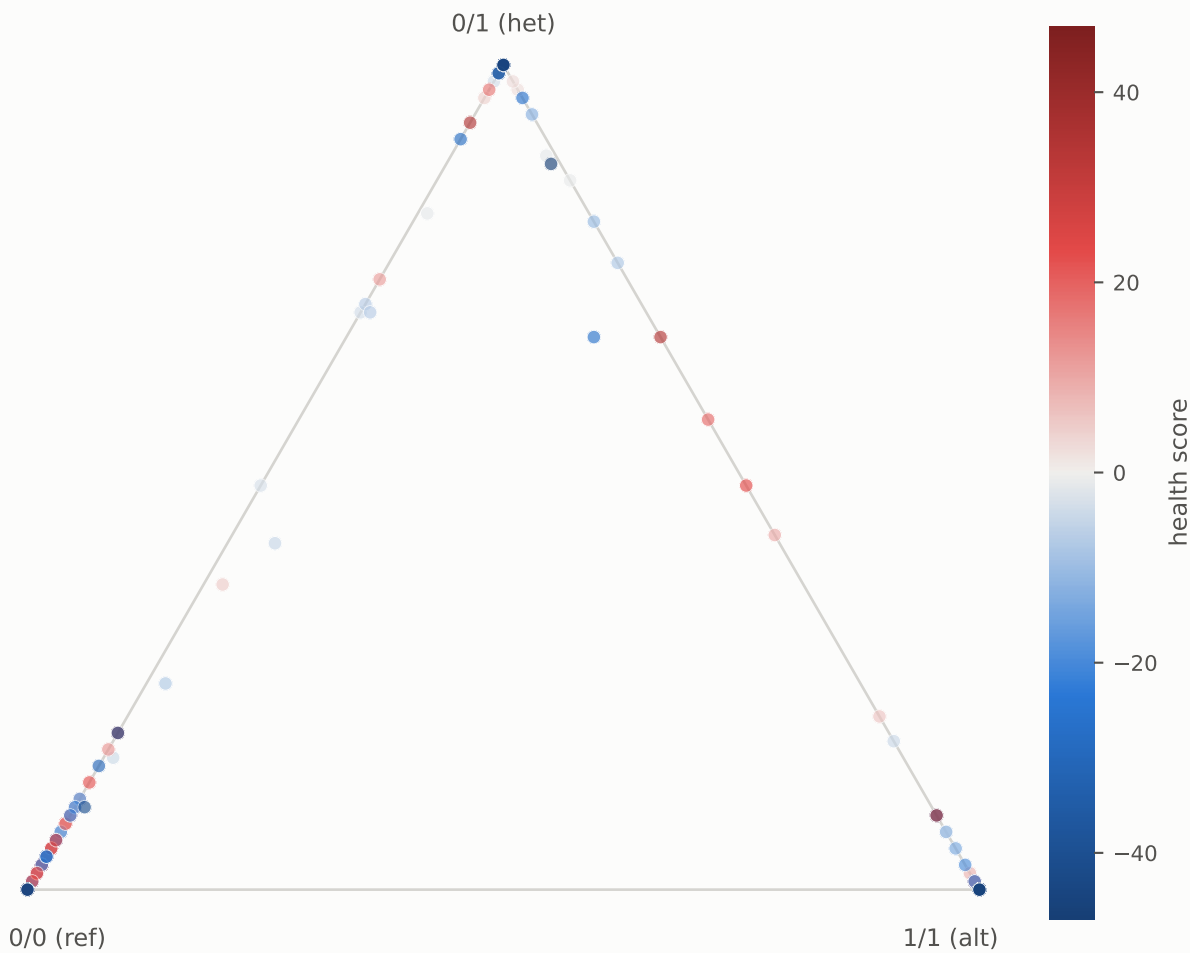
#162 by health association CHR\_19:19,562,663 G>A  
AF=0.14 DR2=0.97 r=-0.195 H=0.029 F=9.5



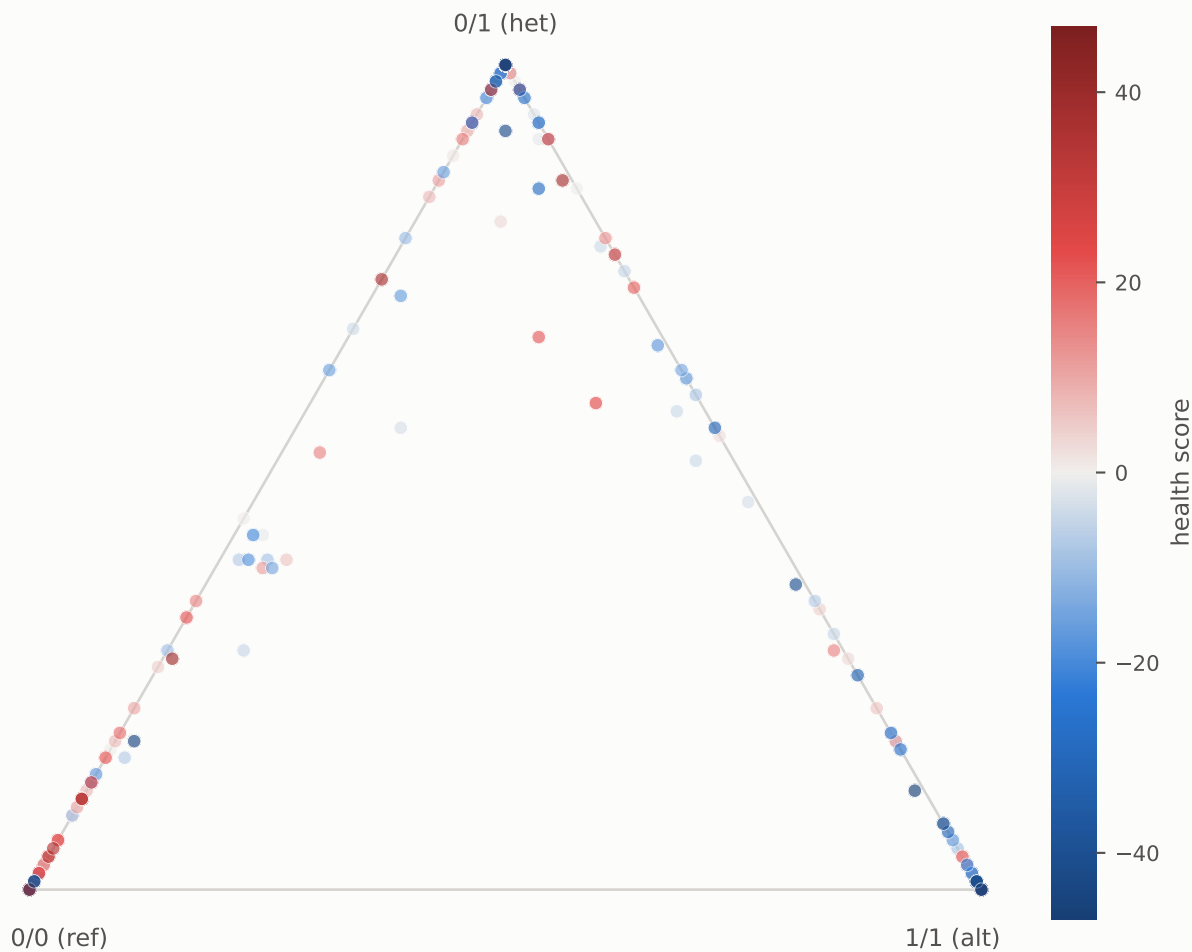
#163 by health association CHR\_10:9,826,861 G>A  
AF=0.14 DR2=0.91  $r=-0.195$   $\bar{H}=0.062$   $F=17.7$



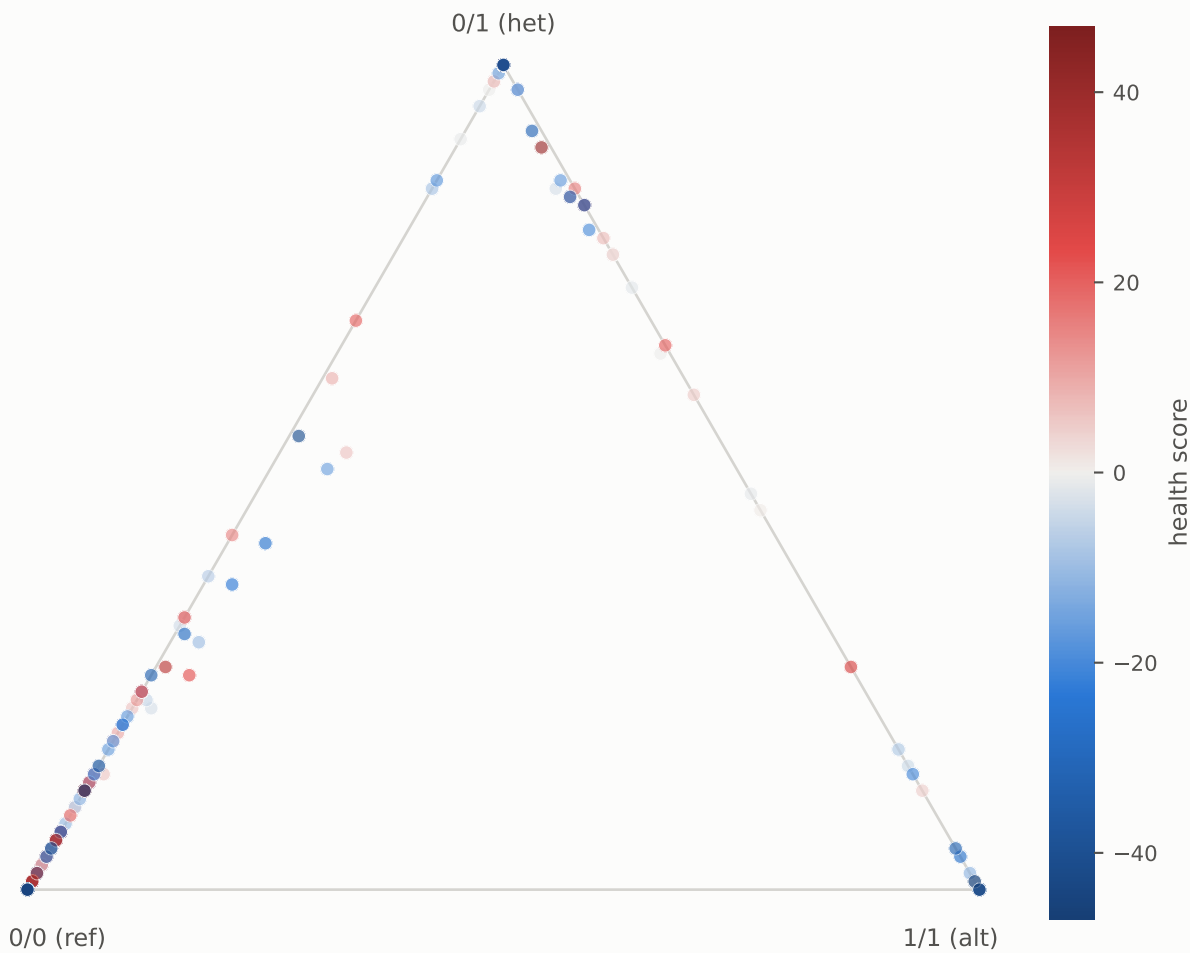
#164 by health association CHR\_09:1,320,818 G>C  
AF=0.24 DR2=0.95 r=-0.195 H=0.065 F=9.3



#165 by health association CHR\_13:1,781,770 T>A  
AF=0.48 DR2=0.89 r=-0.194 H=0.131 F=9.2

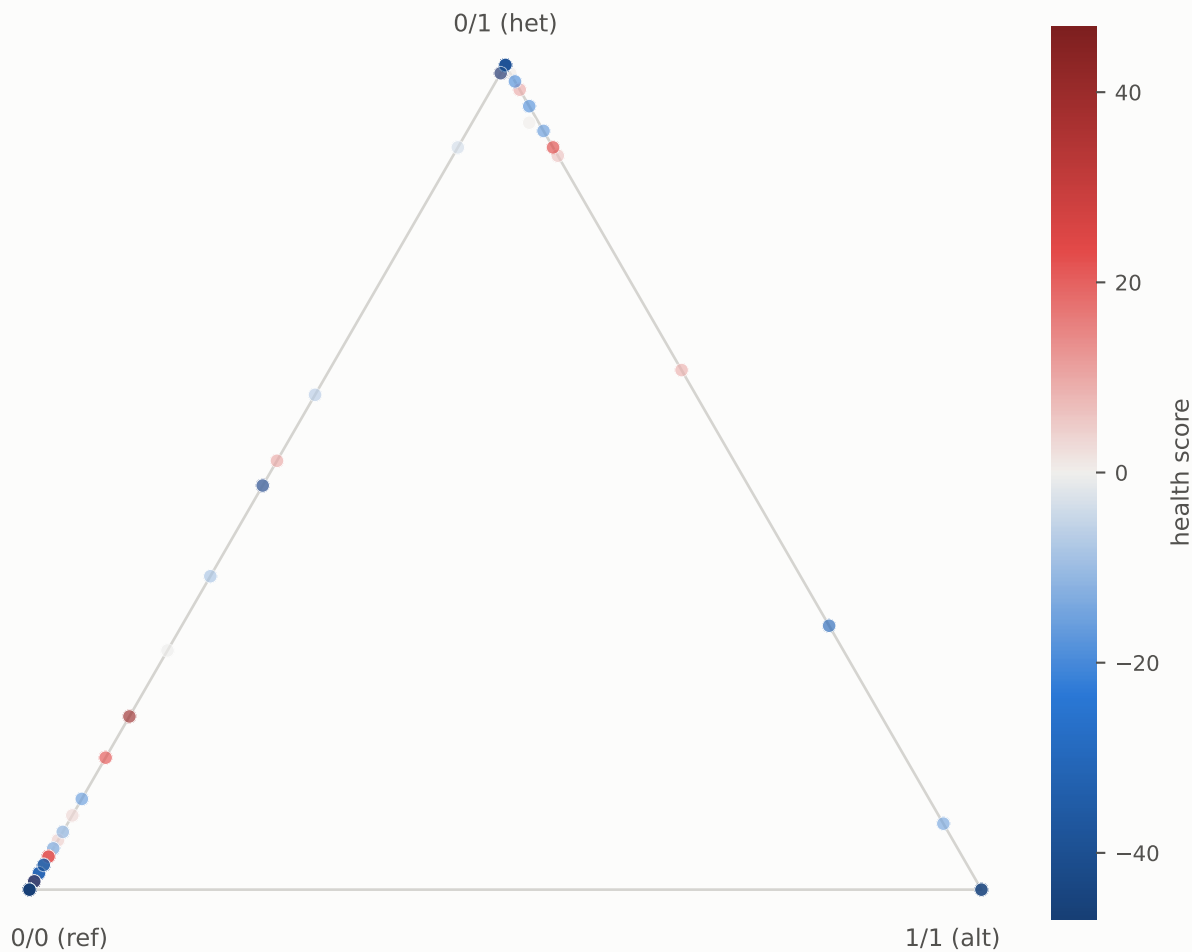


#166 by health association CHR\_20:4,514,464 G>A  
AF=0.15 DR2=0.86  $r=-0.194$   $H=0.117$   $F=8.4$

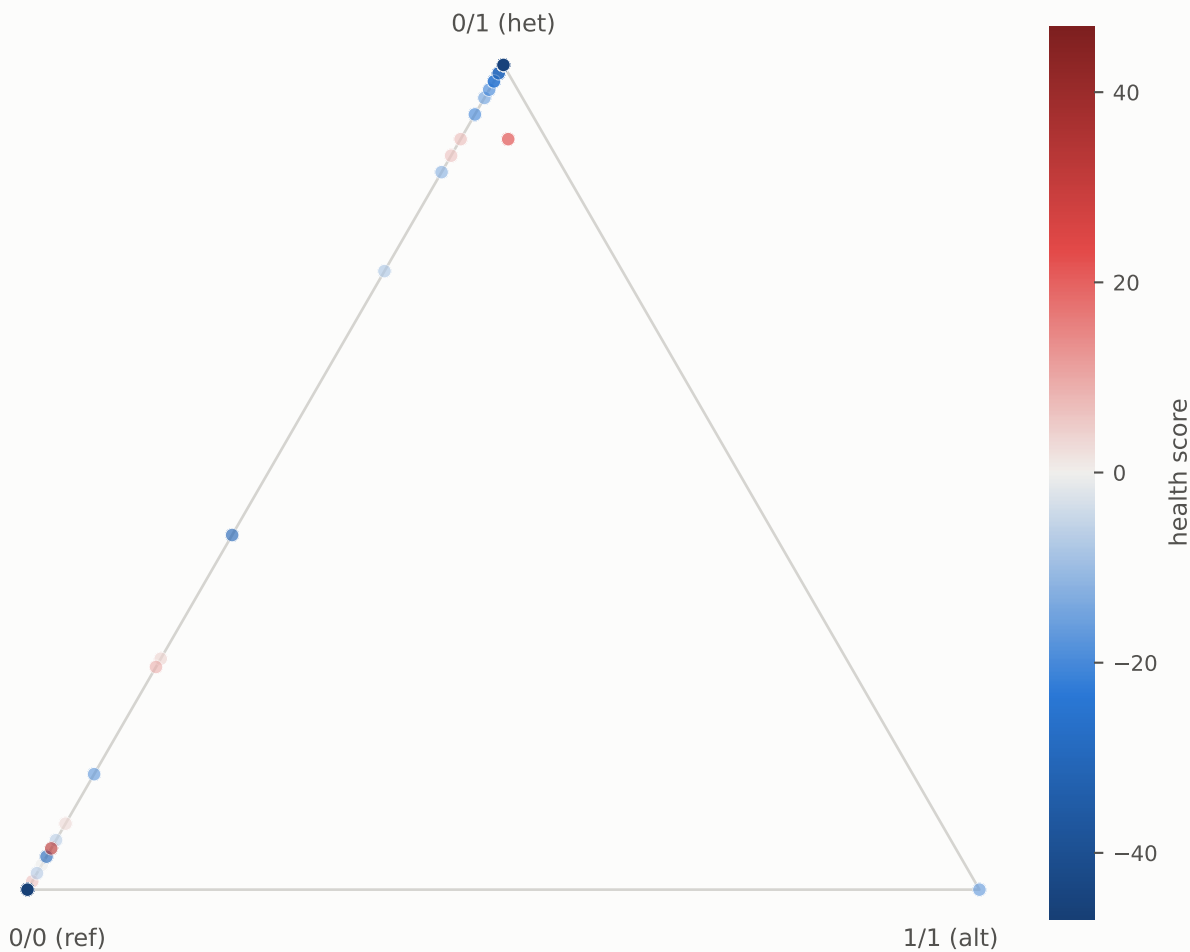




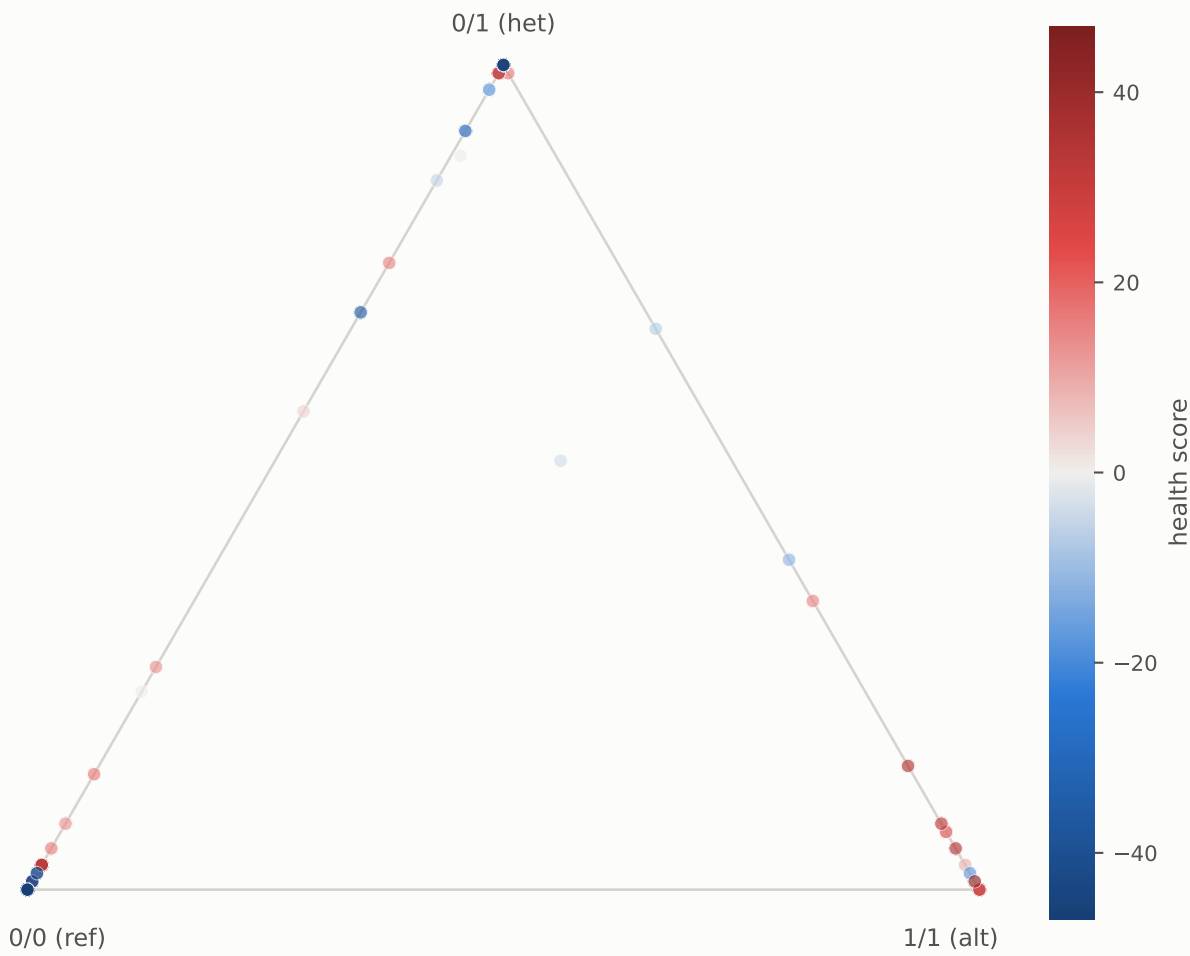
#167 by health association CHR\_11:8,730,126 C>A  
AF=0.055 DR2=0.92  $r=-0.194$  H=0.034 F=6.8



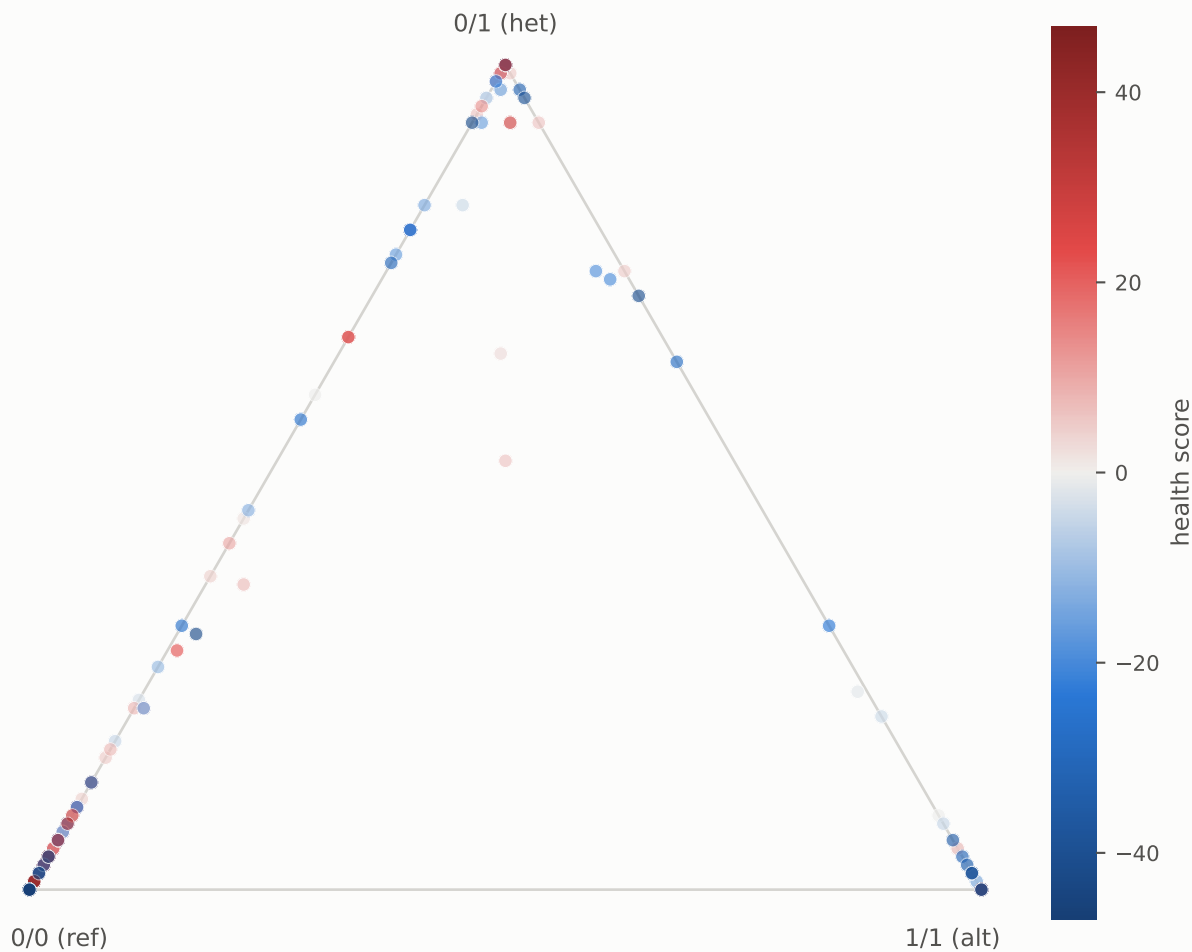
#168 by health association unpl-scaff\_011:777 G>T  
AF=0.069 DR2=0.97 r=-0.194 H=0.014 F=15.9



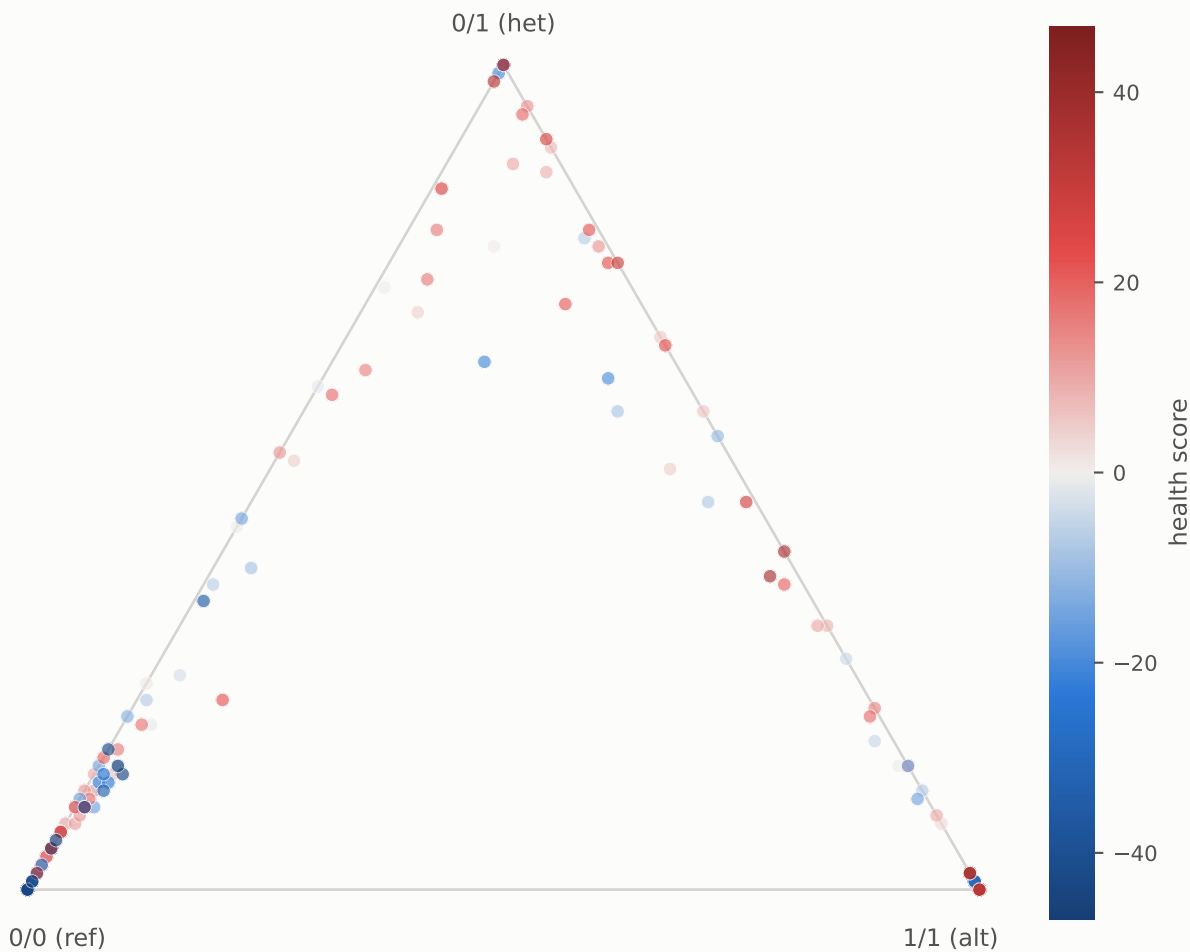
#169 by health association CHR\_04:21,538,185 T>C  
AF=0.11 DR2=0.96 r=+0.194 H=0.029 F=8.4



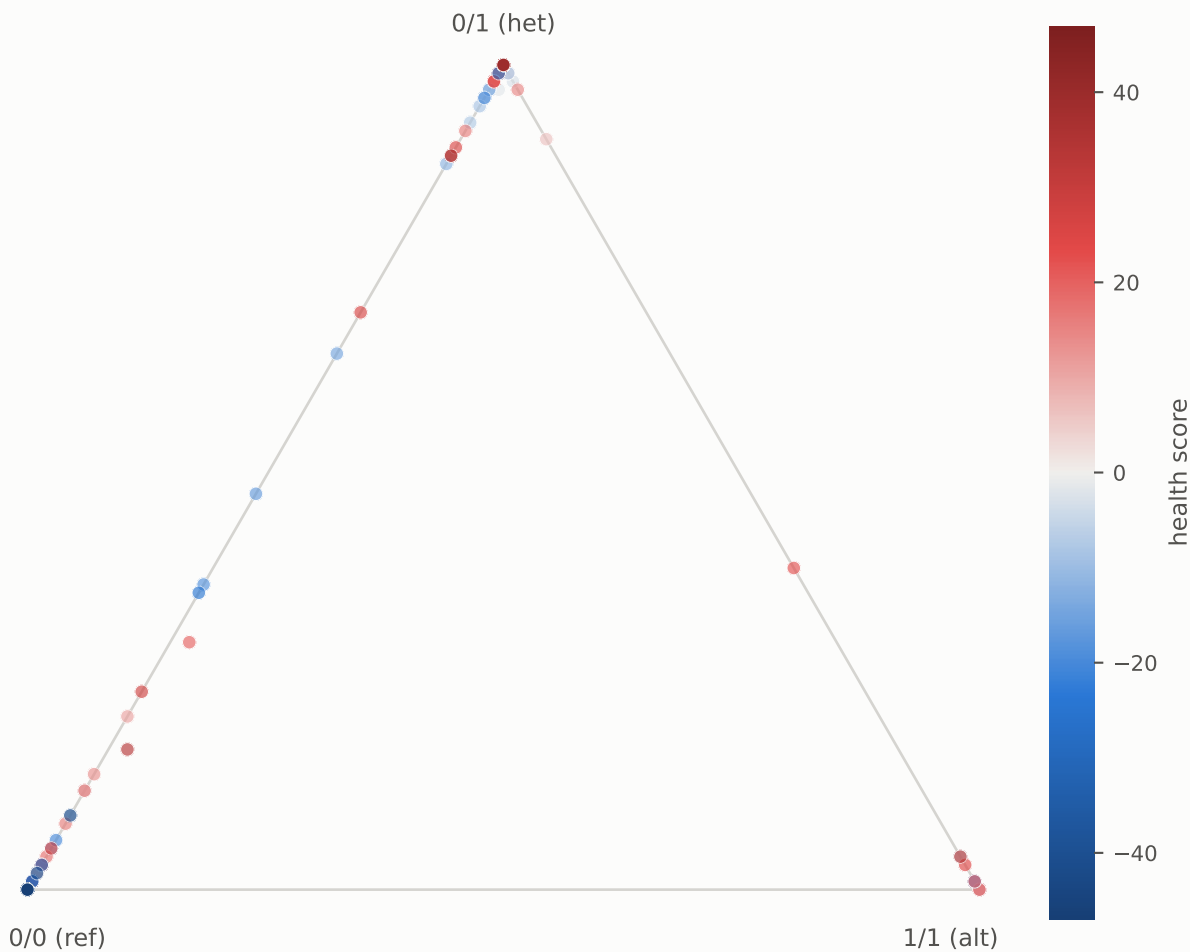
#170 by health association CHR\_02:11,285,616 A>G  
AF=0.15 DR2=0.9 r=-0.194 H=0.093 F=8.2



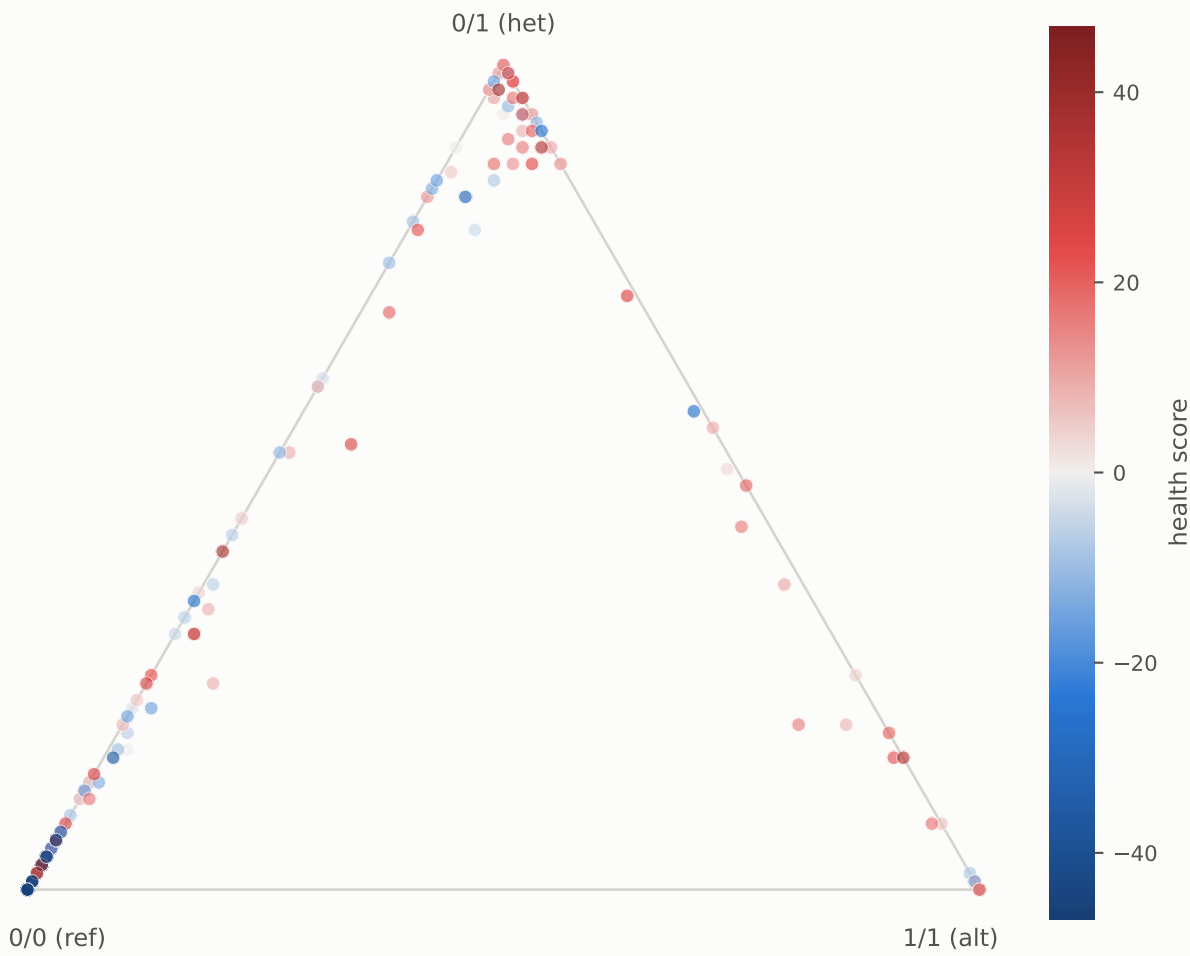
#171 by health association CHR\_14:17,032,498 G>A  
AF=0.17 DR2=0.88 r=+0.194 H=0.128 F=10.7



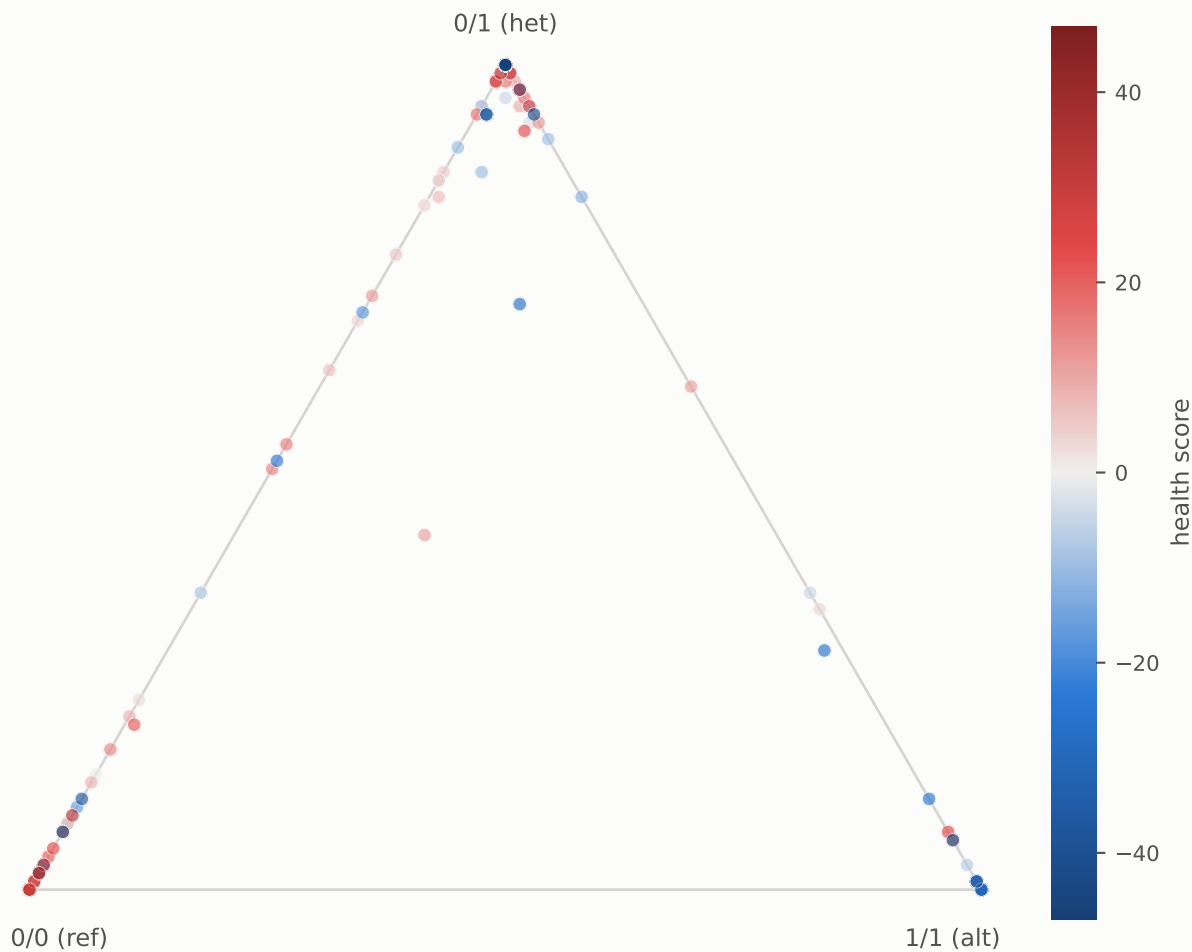
#172 by health association CHR\_06:4,200,911 A>C  
AF=0.13 DR2=0.95  $r=+0.194$  H=0.037 F=9.5



#173 by health association CHR\_09:27,507,993 A>G  
AF=0.1 DR2=0.82 r=+0.194 H=0.128 F=8.2

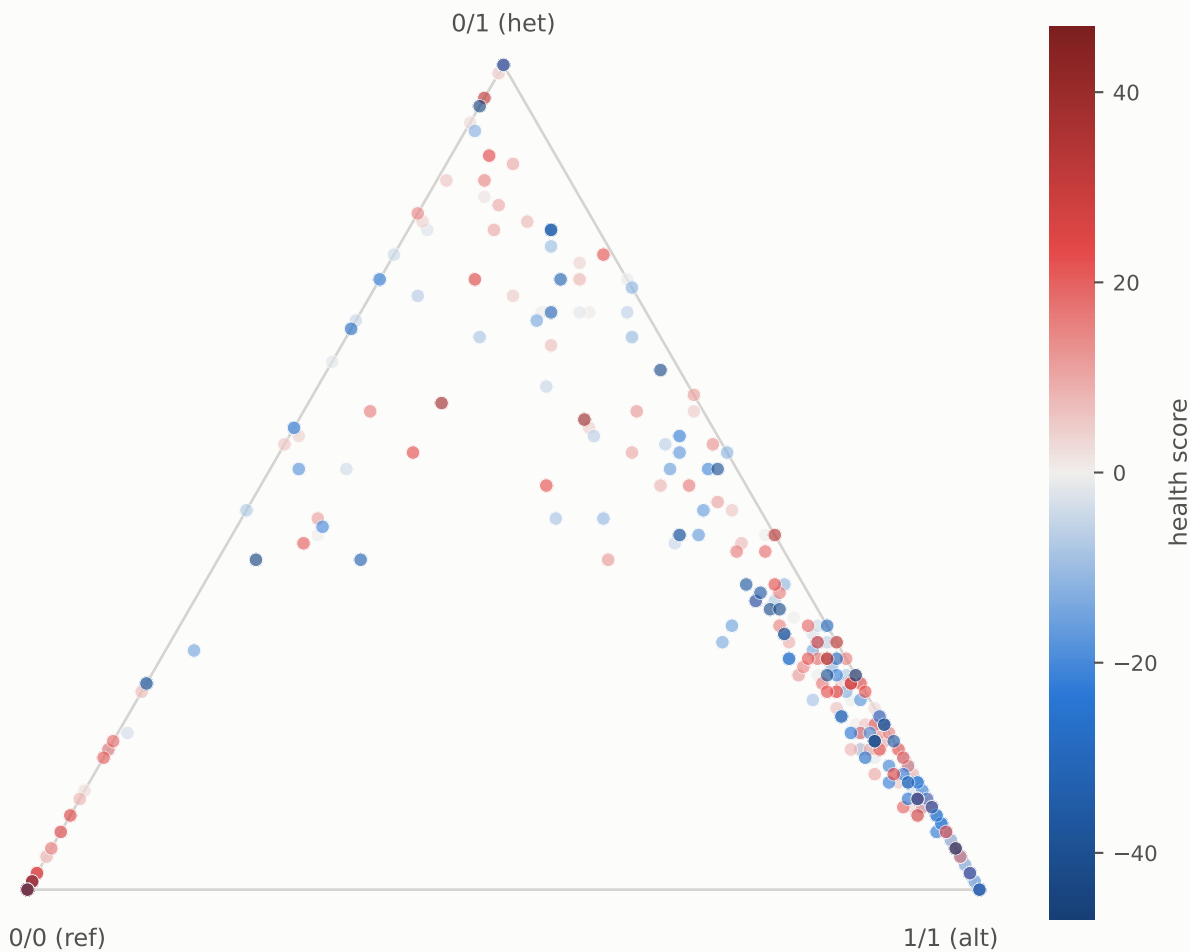


#174 by health association unipl-scaff\_023:15,779 T>C  
AF=0.47 DR2=0.9 r=-0.194 H=0.061 F=9.6

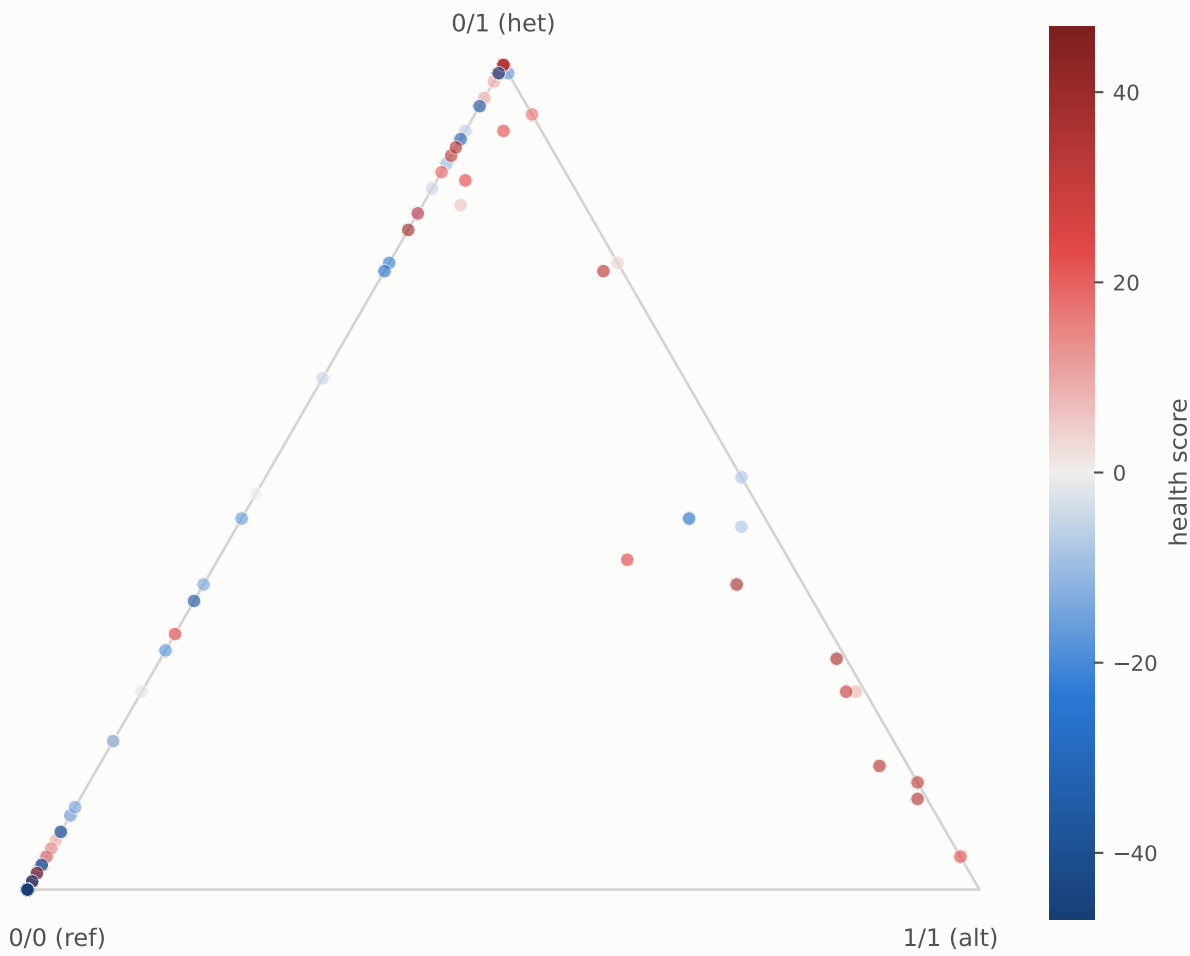




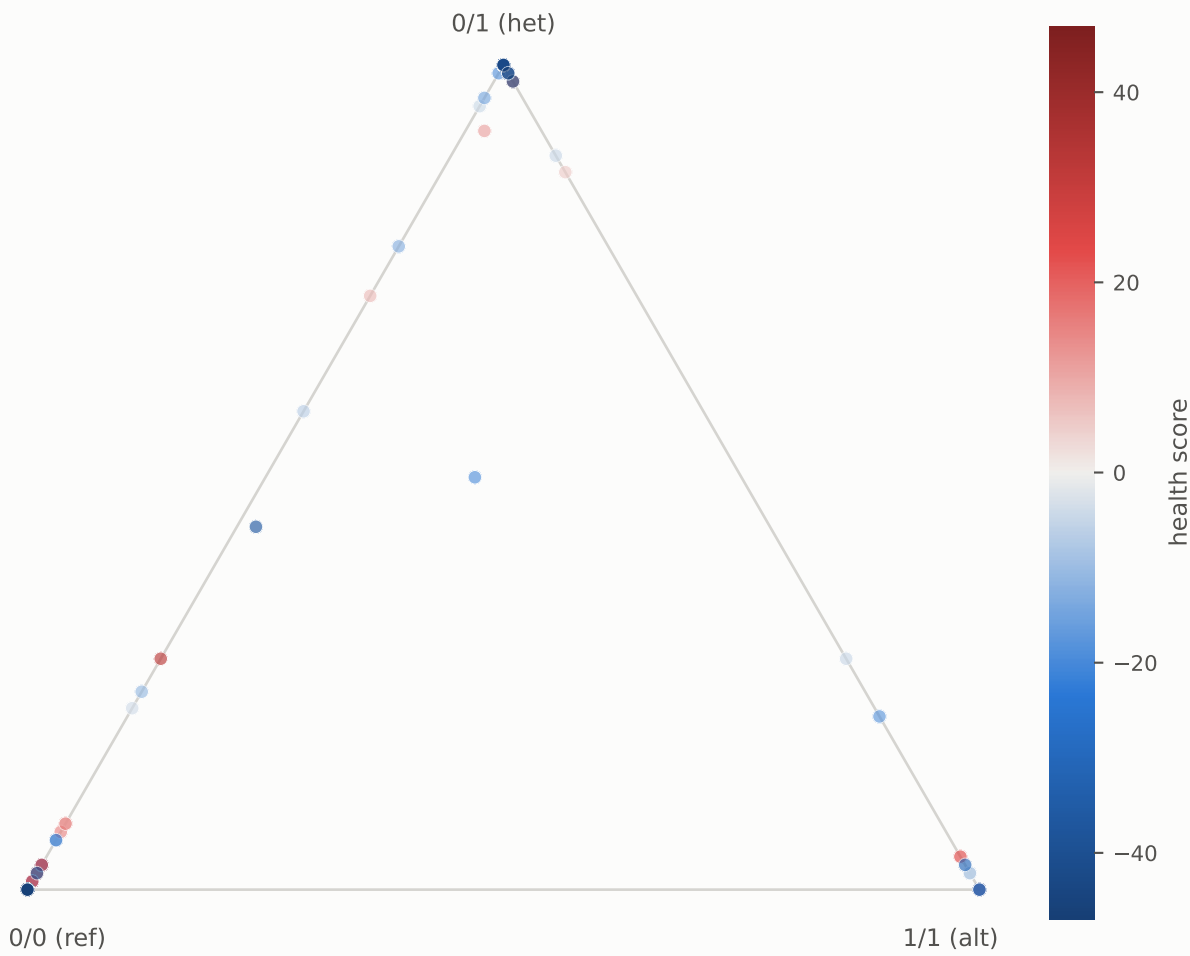
#175 by health association CHR\_05:31,715,271 A>C  
AF=0.48 DR2=0.81  $r=-0.194$  H=0.382 F=7.7



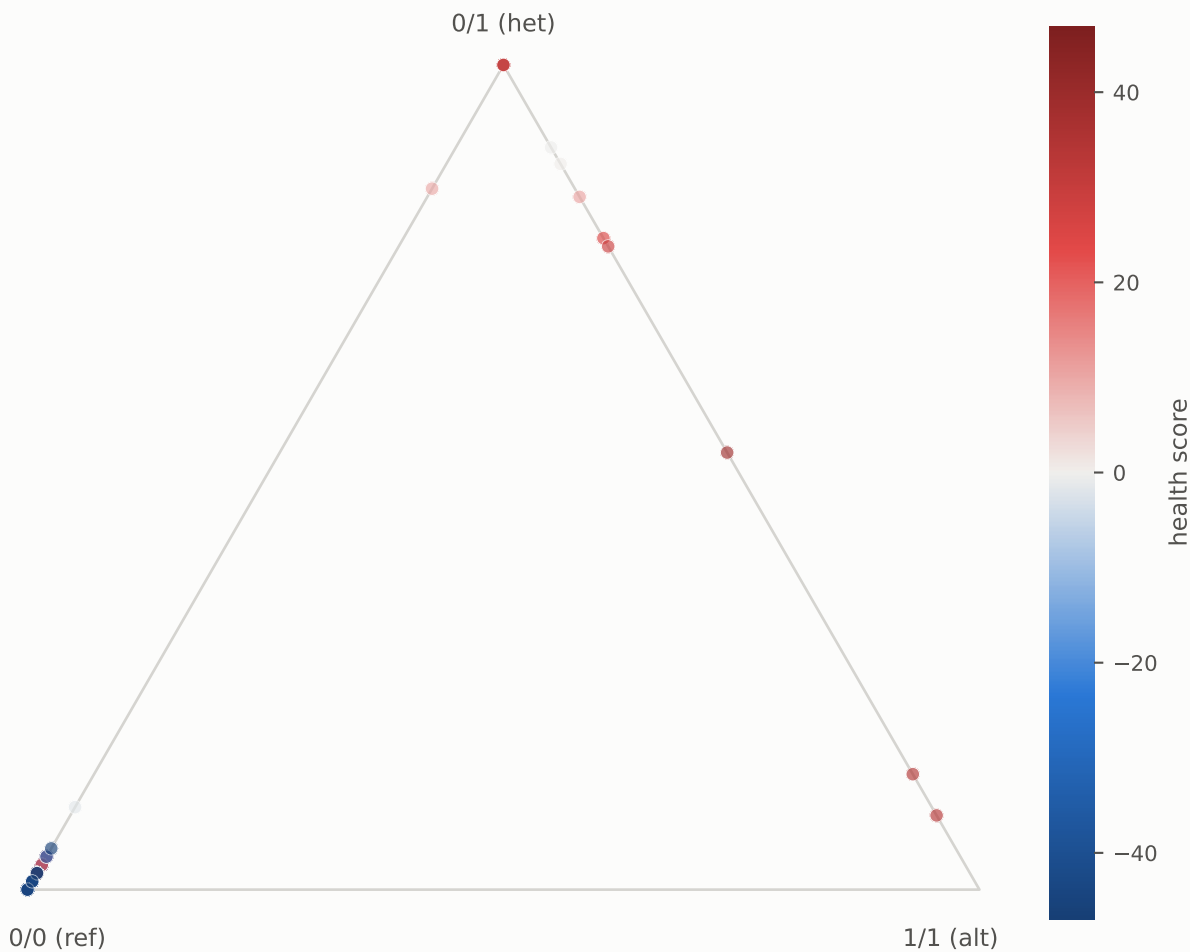
#176 by health association CHR\_07:27,376,211 A>G  
AF=0.089 DR2=0.88 r=+0.194 H=0.067 F=10.6



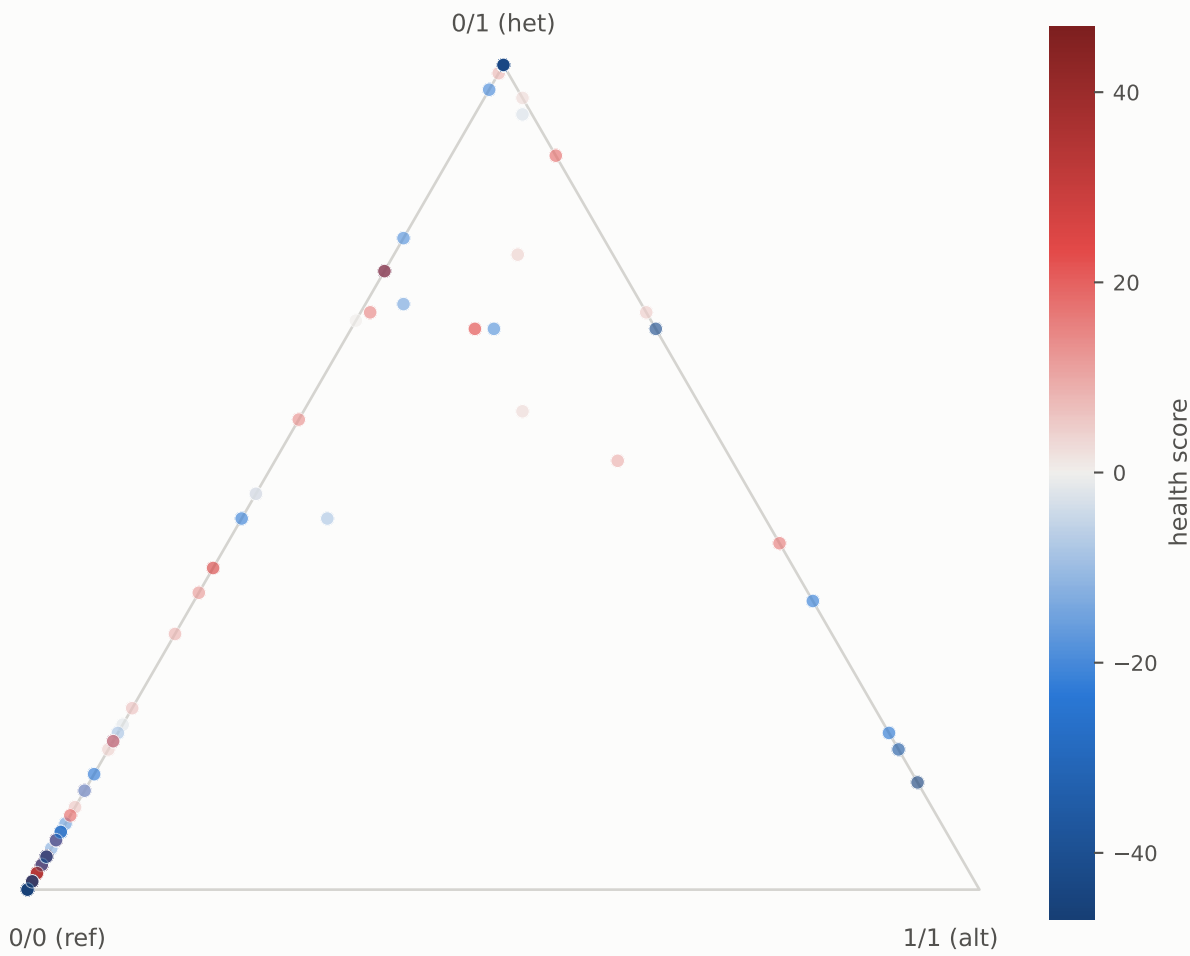
#177 by health association CHR\_09:10,292,013 C>T  
AF=0.09 DR2=0.96  $r=-0.194$   $H=0.027$   $F=9.4$



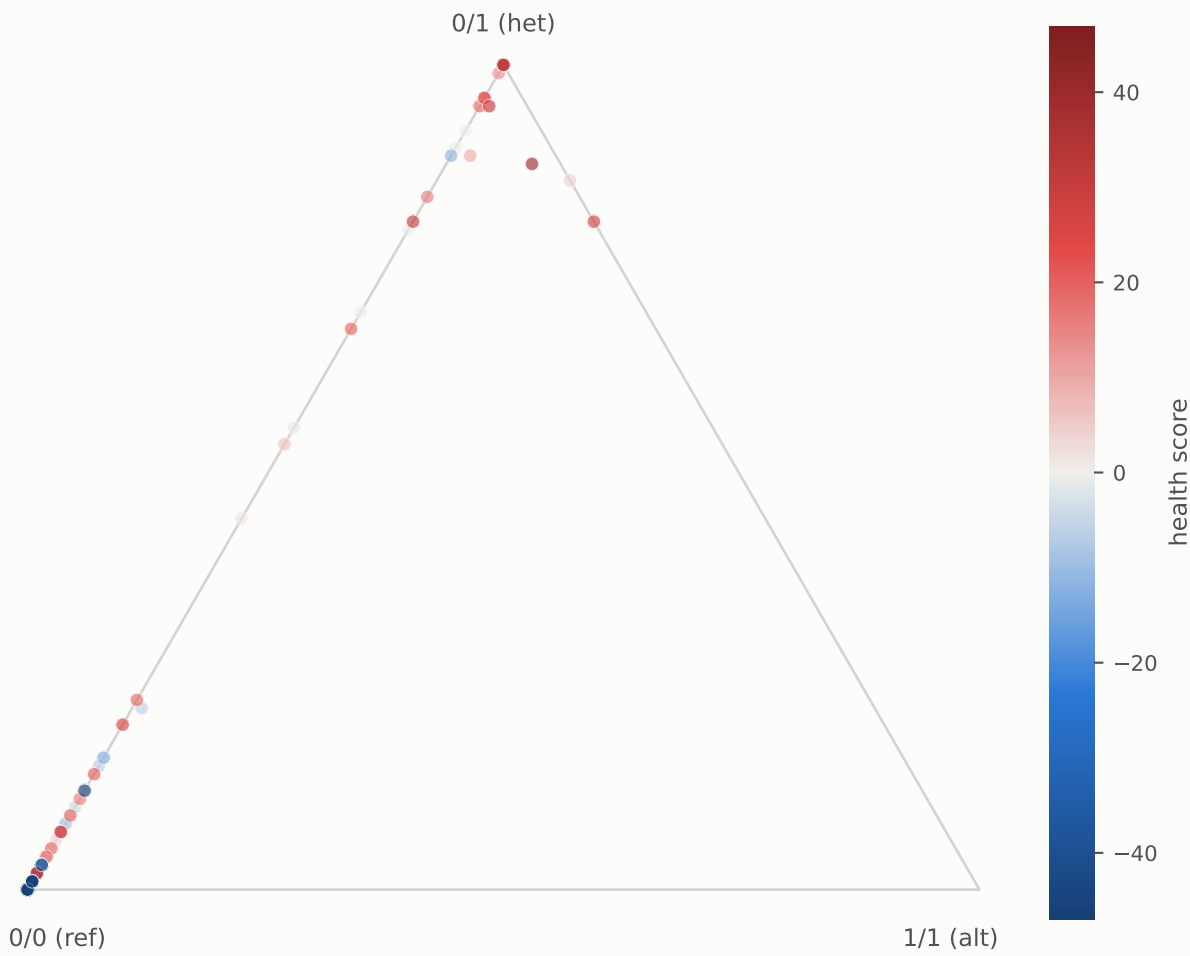
#178 by health association CHR\_11:23,581,064 C>T  
AF=0.024 DR2=0.83 r=+0.194 H=0.045 F=9.4



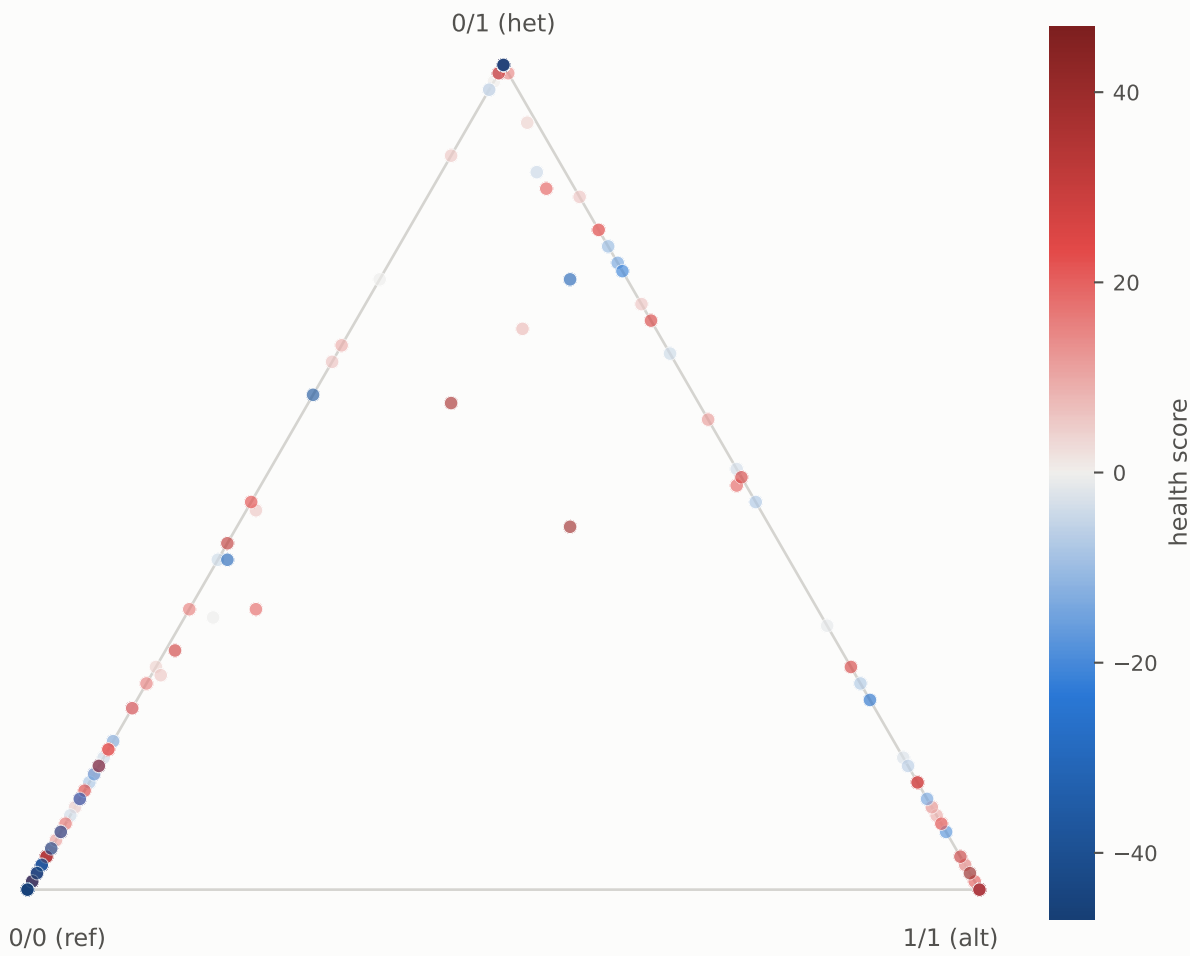
#179 by health association CHR\_04:41,272,680 T>C  
AF=0.061 DR2=0.83 r=-0.194 H=0.069 F=8.2



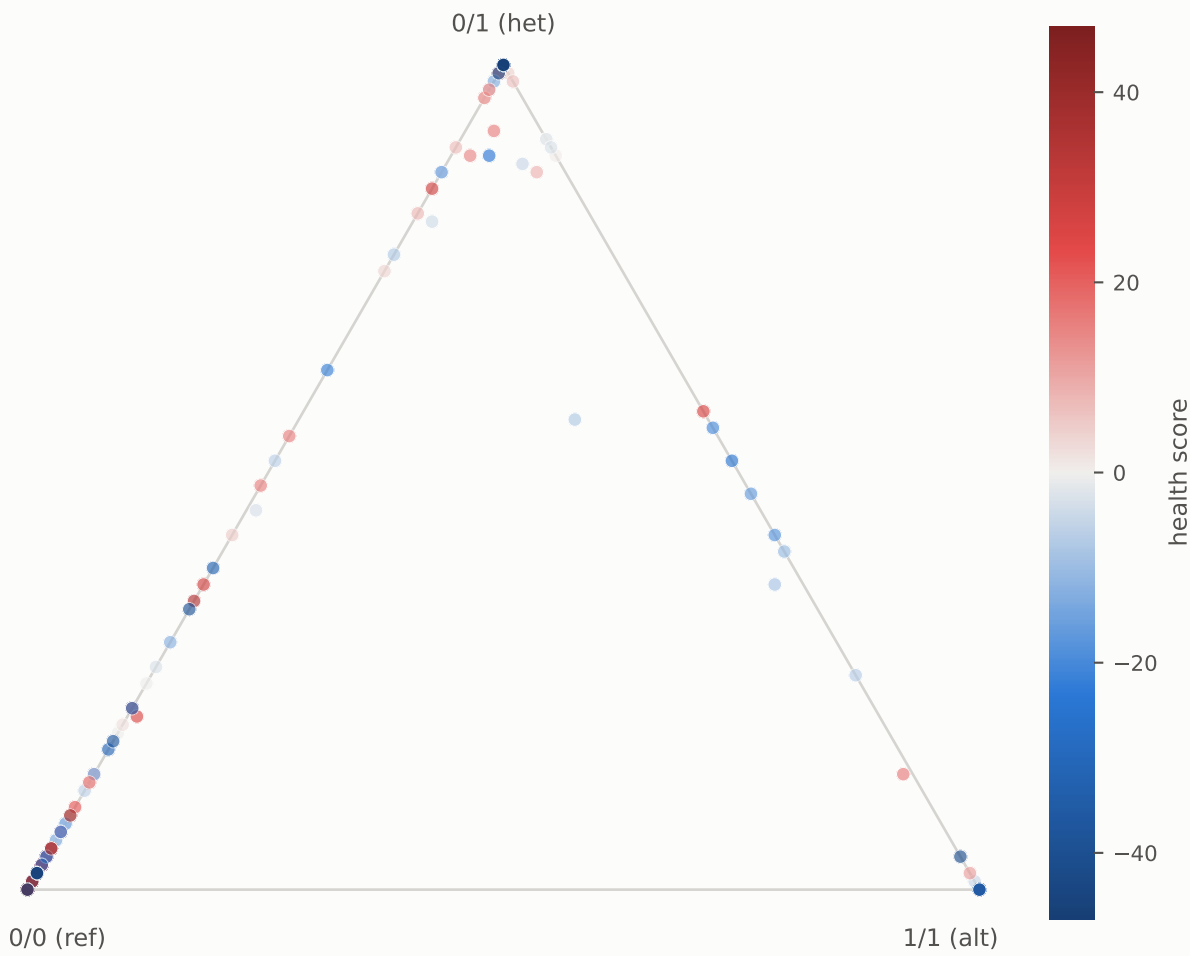
#180 by health association CHR\_03:35,540,250 C>T  
AF=0.039 DR2=0.81  $r=+0.194$  H=0.053 F=15.5



#181 by health association CHR\_07:2,260,830 A>G  
AF=0.21 DR2=0.92  $r=+0.194$  H=0.105 F=7.1

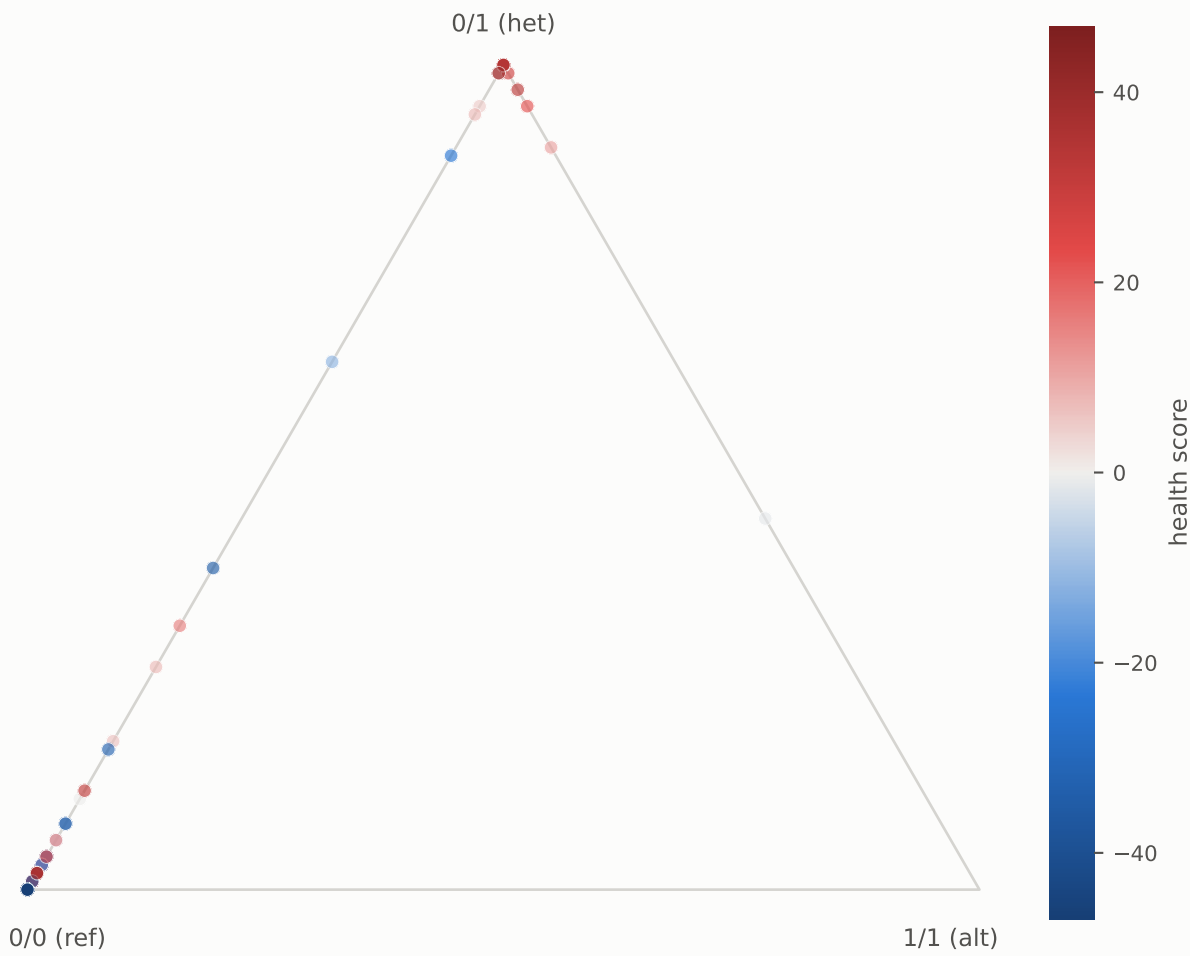


#182 by health association CHR\_08:1,730,373 G>T  
AF=0.2 DR2=0.91  $r=-0.194$   $\bar{H}=0.096$  F=8.9

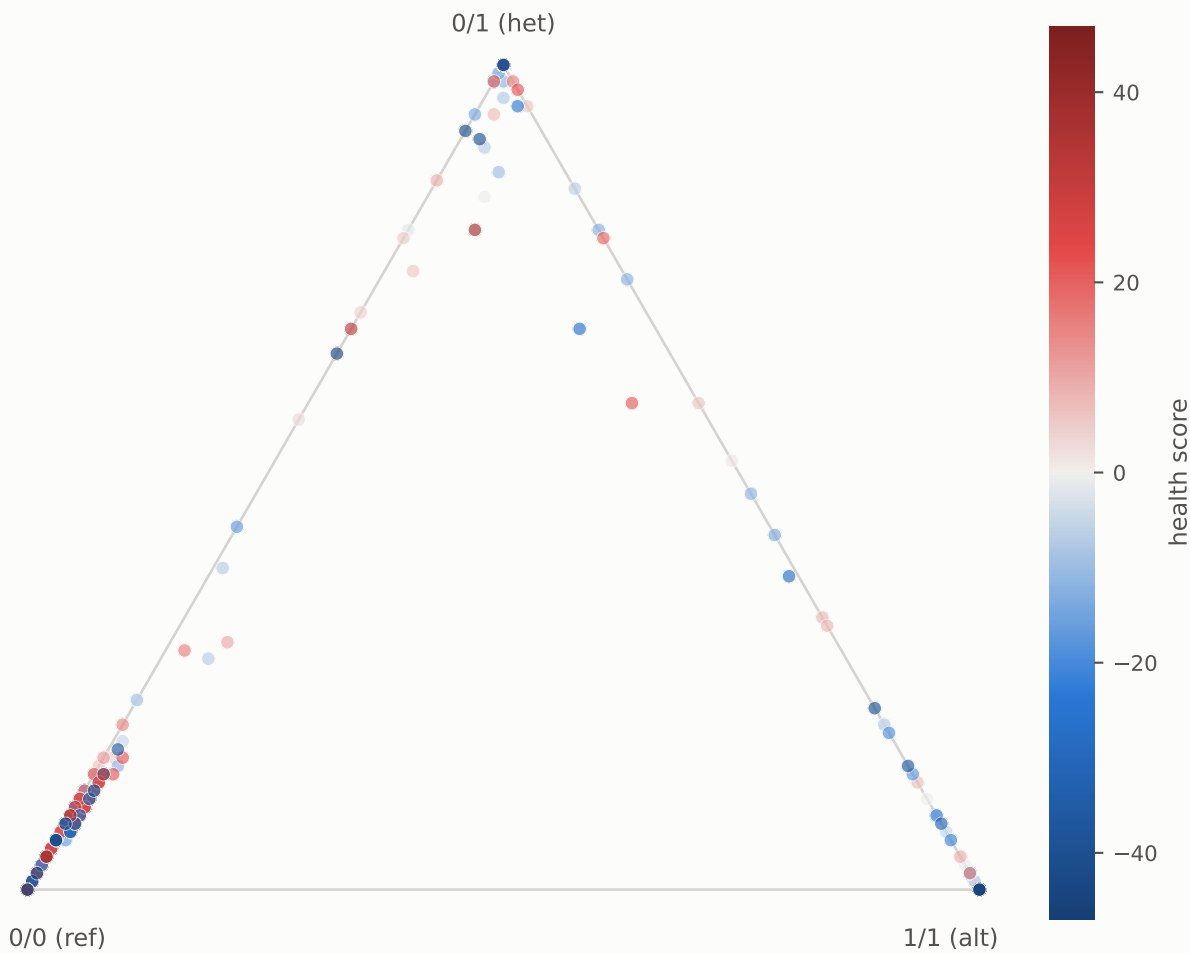




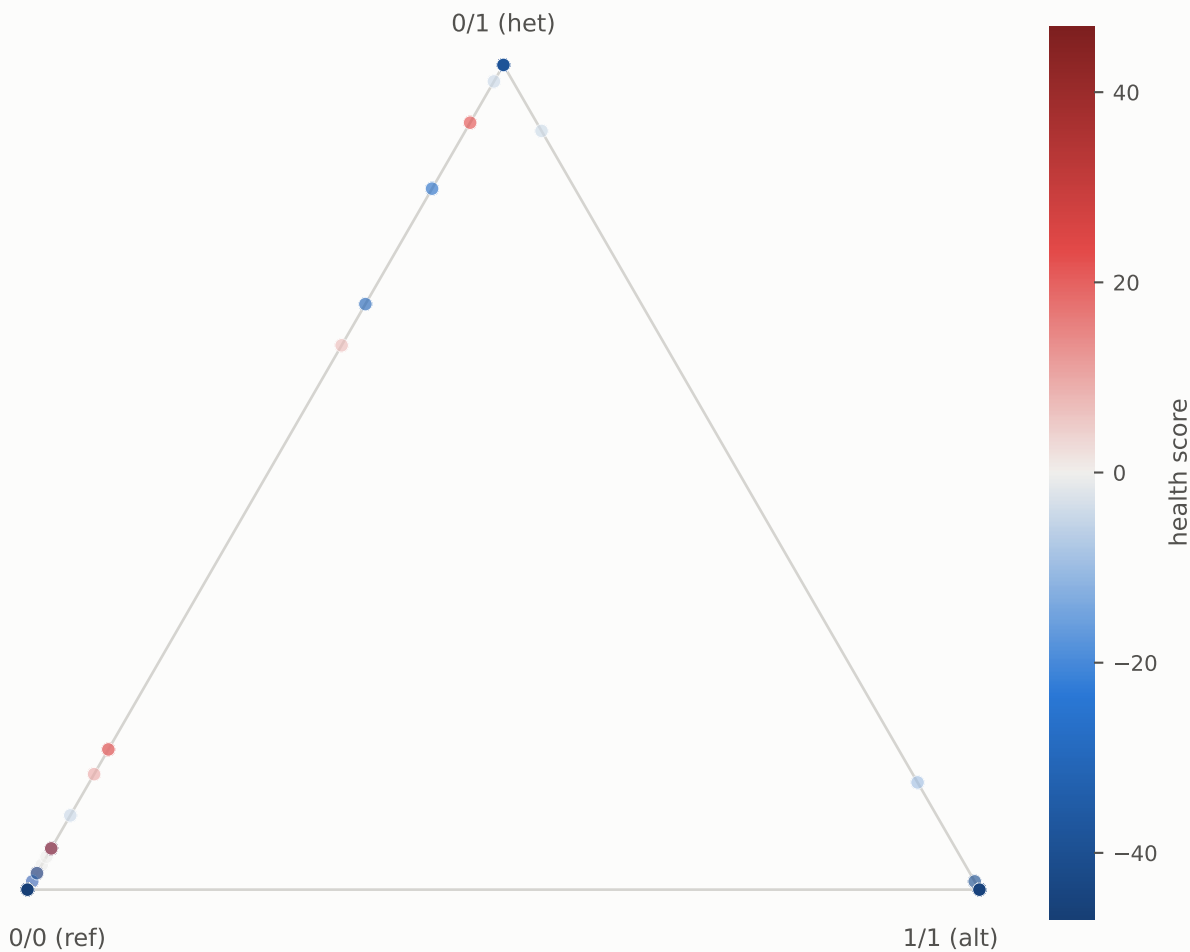
#183 by health association CHR\_02:10,655,315 G>A  
AF=0.081 DR2=0.93  $r=+0.194$  H=0.027 F=17.6



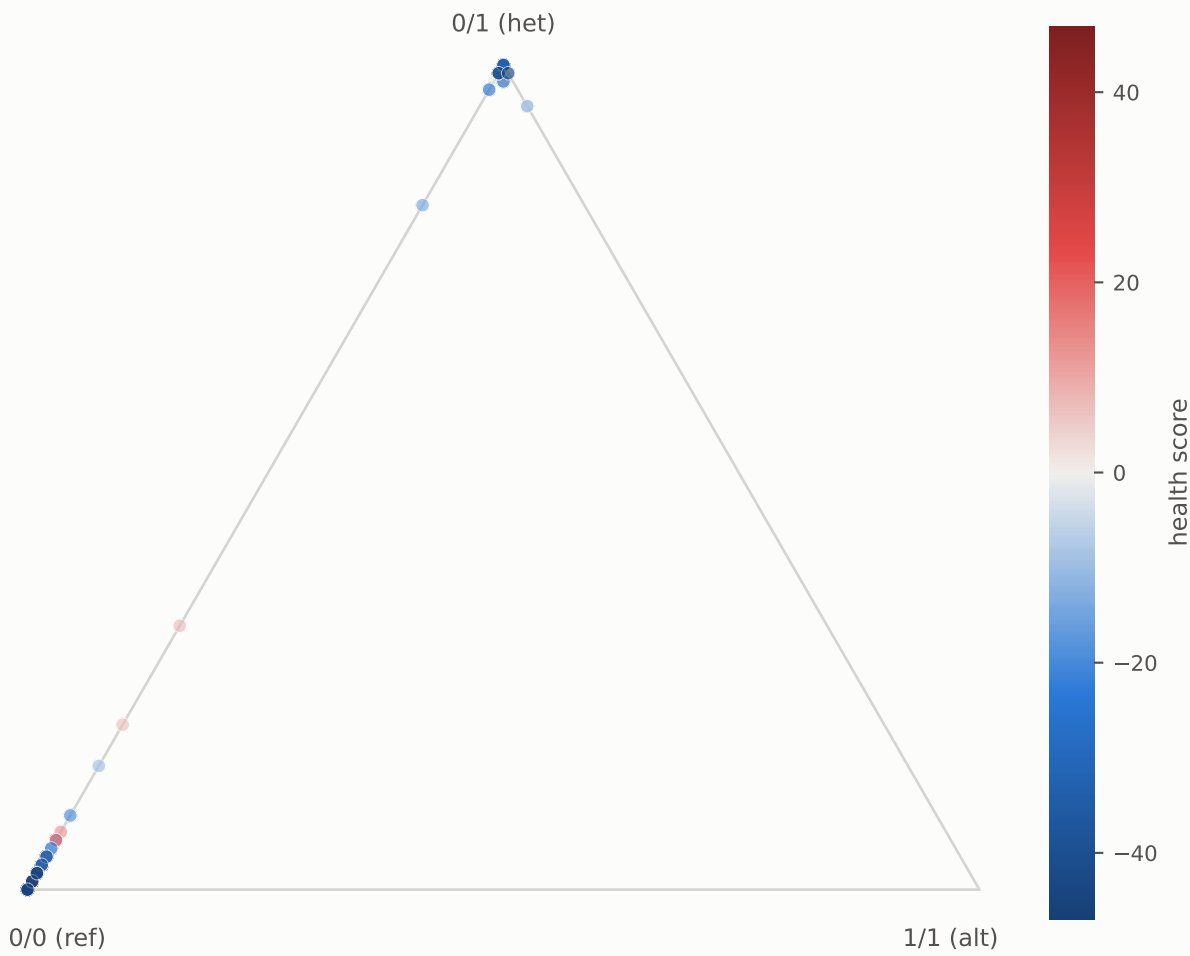
#184 by health association CHR\_02:3,849,761 G>C  
AF=0.22 DR2=0.87 r=-0.193 H=0.182 F=9.5



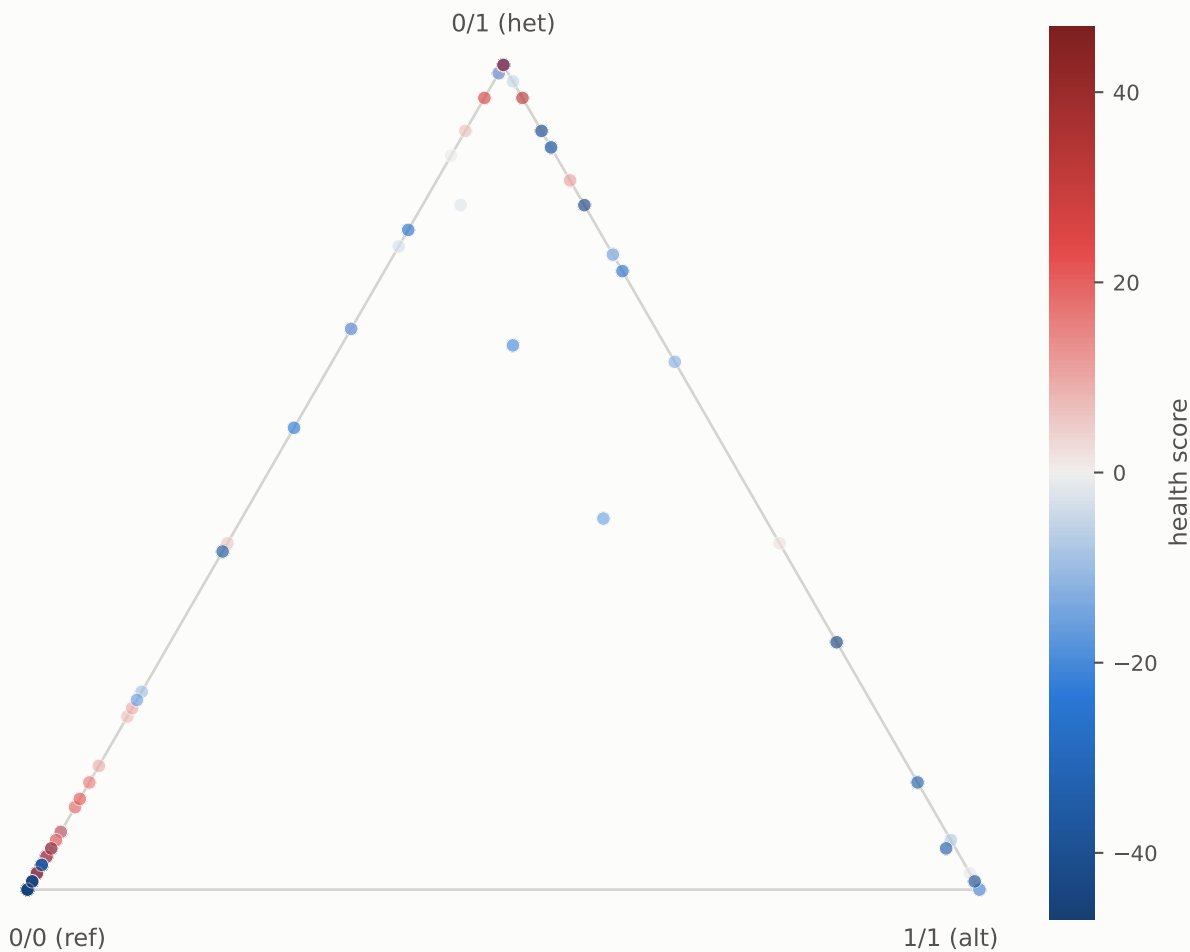
#185 by health association CHR\_15:29,603,595 G>A  
AF=0.12 DR2=0.99 r=-0.193 H=0.013 F=8.9



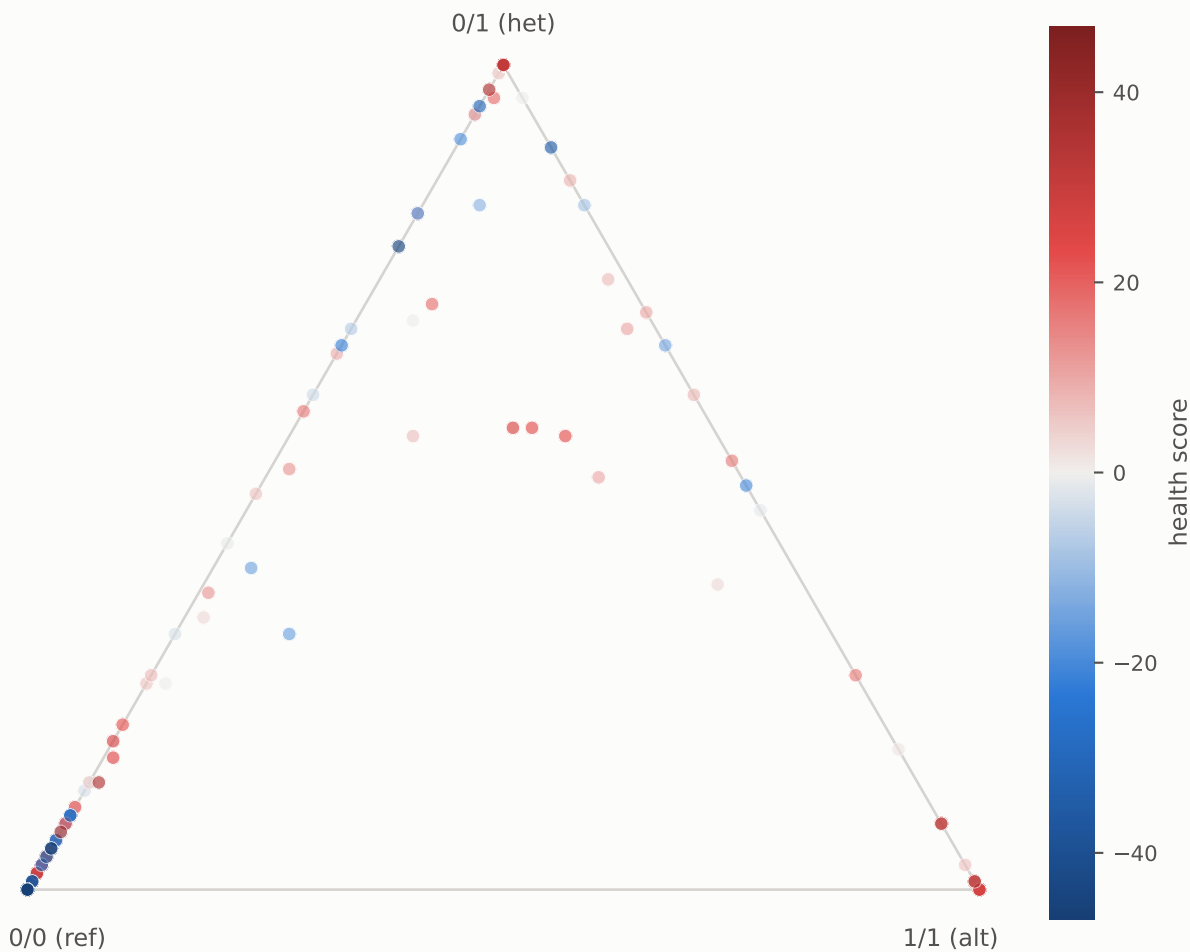
#186 by health association CHR\_01:2,046,182 C>T  
AF=0.035 DR2=0.88 r=-0.193 H=0.036 F=17.1



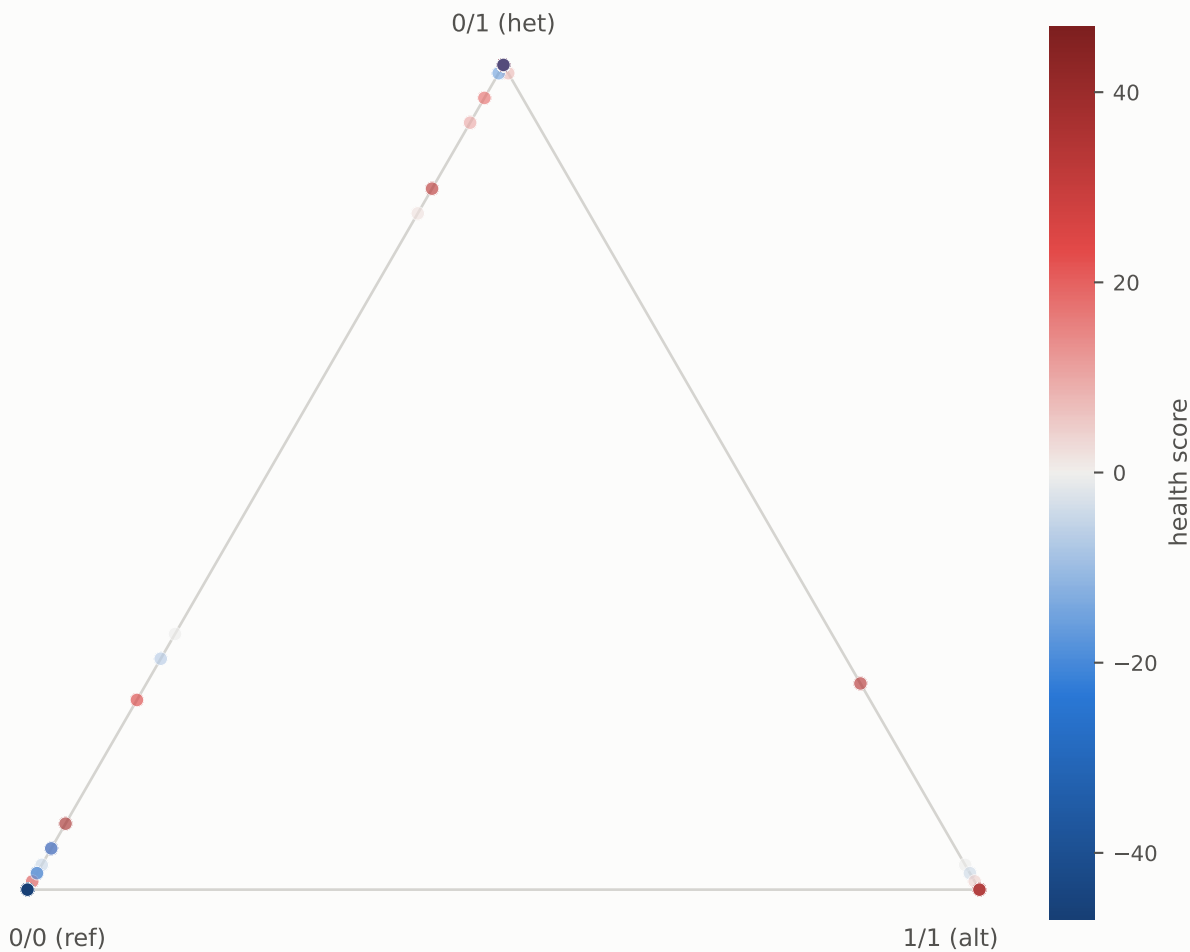
#187 by health association CHR\_10:24,917,265 T>A  
AF=0.087 DR2=0.9 r=-0.193 H=0.061 F=8.5



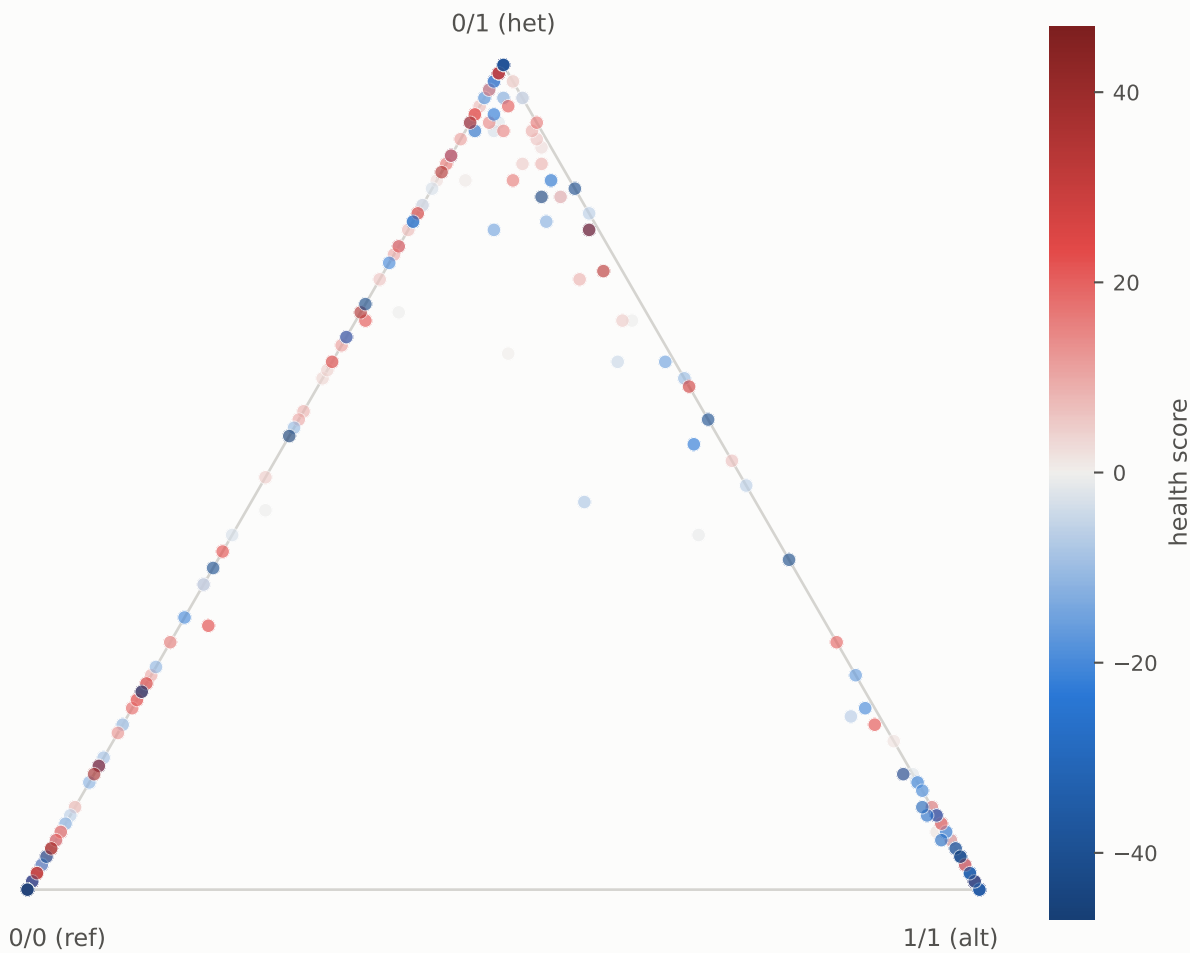
#188 by health association CHR\_18:16,805,974 T>G  
AF=0.13 DR2=0.88  $r=+0.193$  H=0.095 F=7.8



#189 by health association CHR\_14:16,989,918 C>T  
AF=0.089 DR2=0.98  $r=+0.193$   $H=0.012$   $F=9.1$

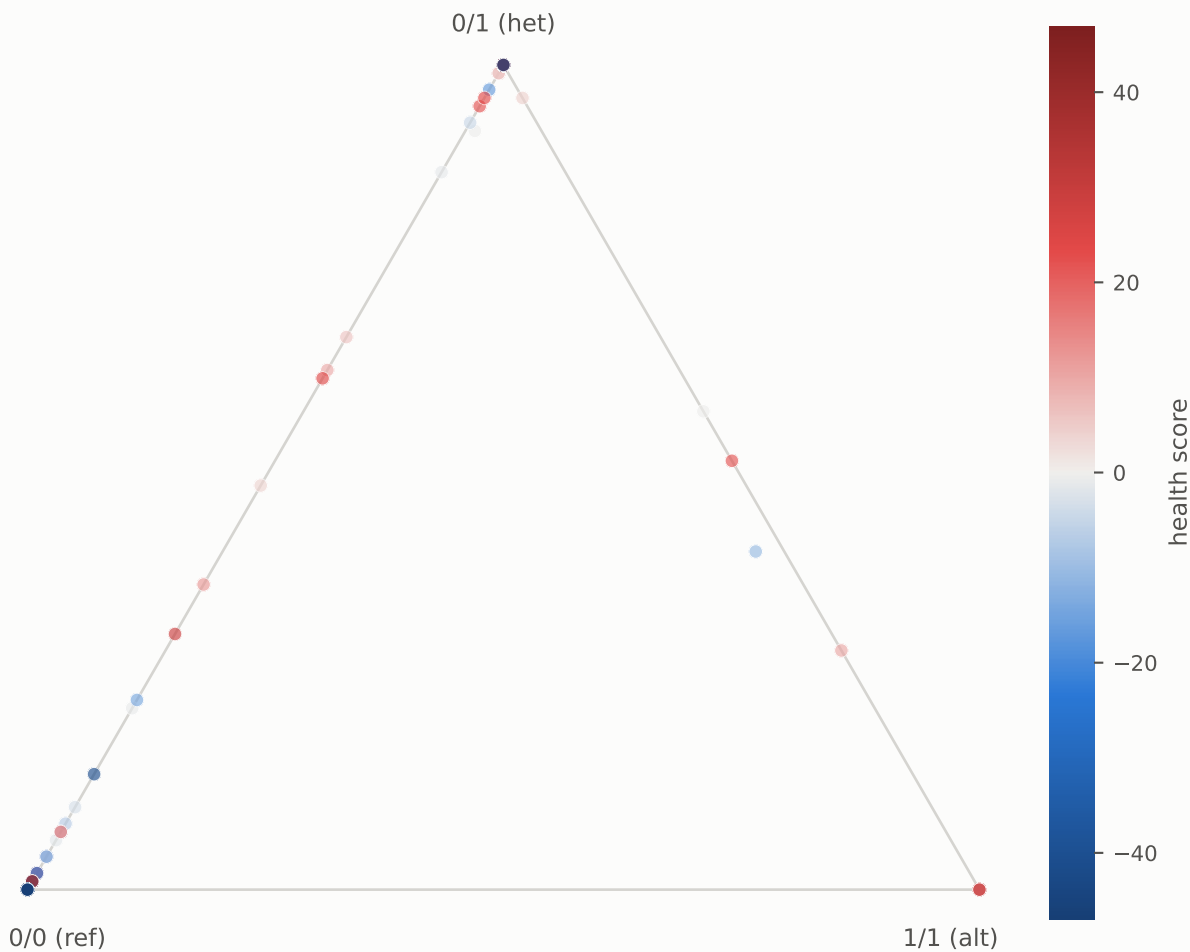


#190 by health association CHR\_06:7,886,889 A>G  
AF=0.4 DR2=0.89  $r=-0.193$   $\bar{H}=0.193$  F=9.5

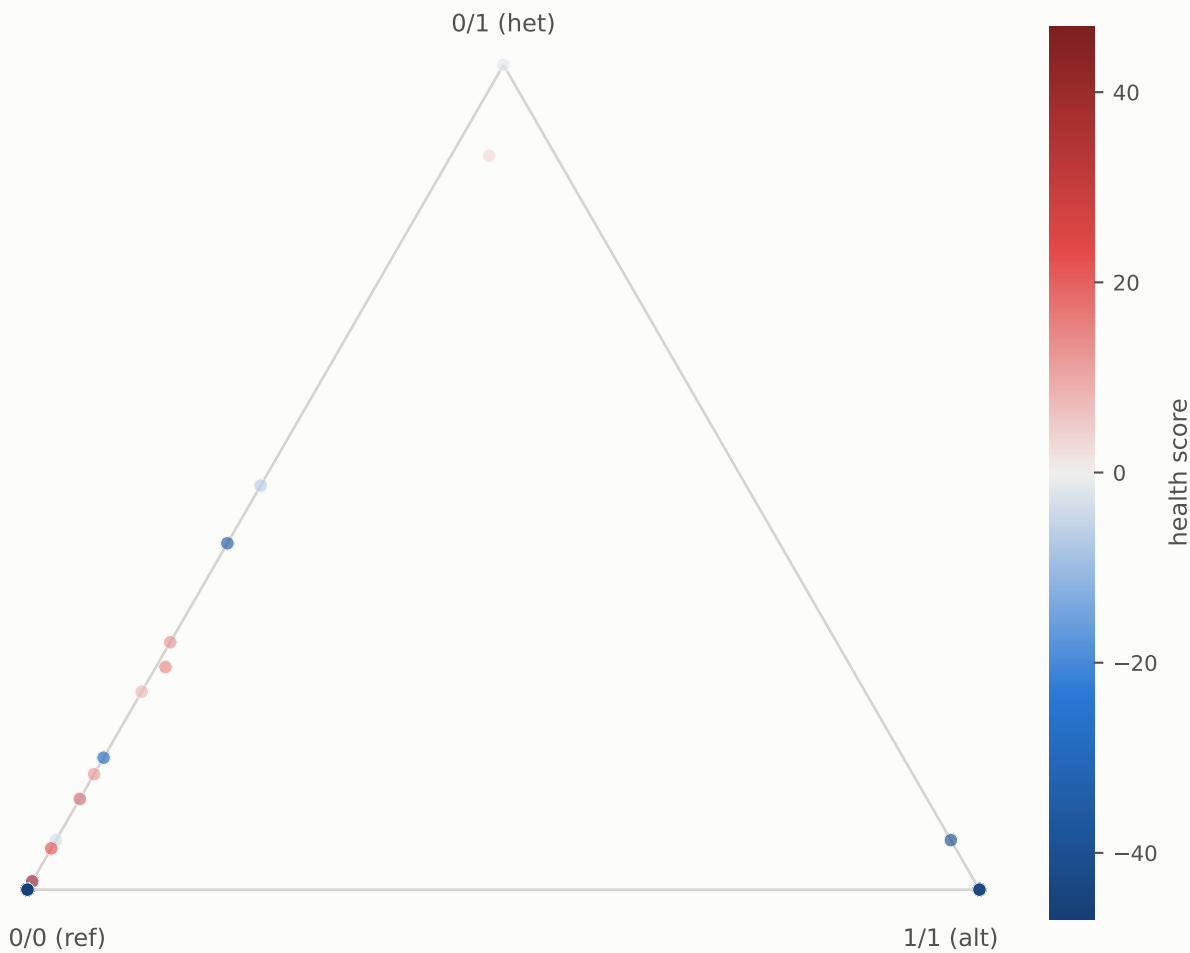




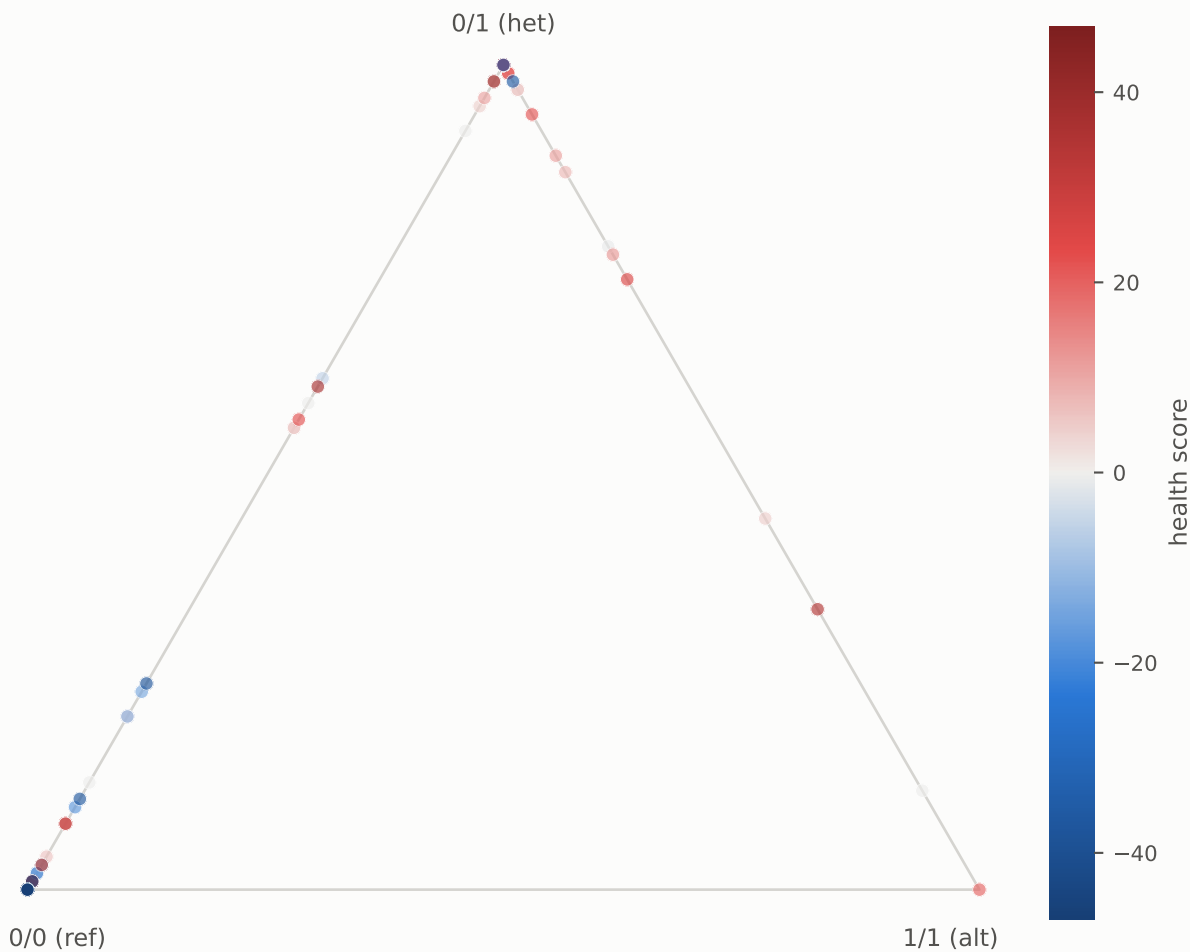
#191 by health association CHR\_06:3,896,294 A>G  
AF=0.094 DR2=0.95  $r=+0.193$   $H=0.028$   $F=8.8$



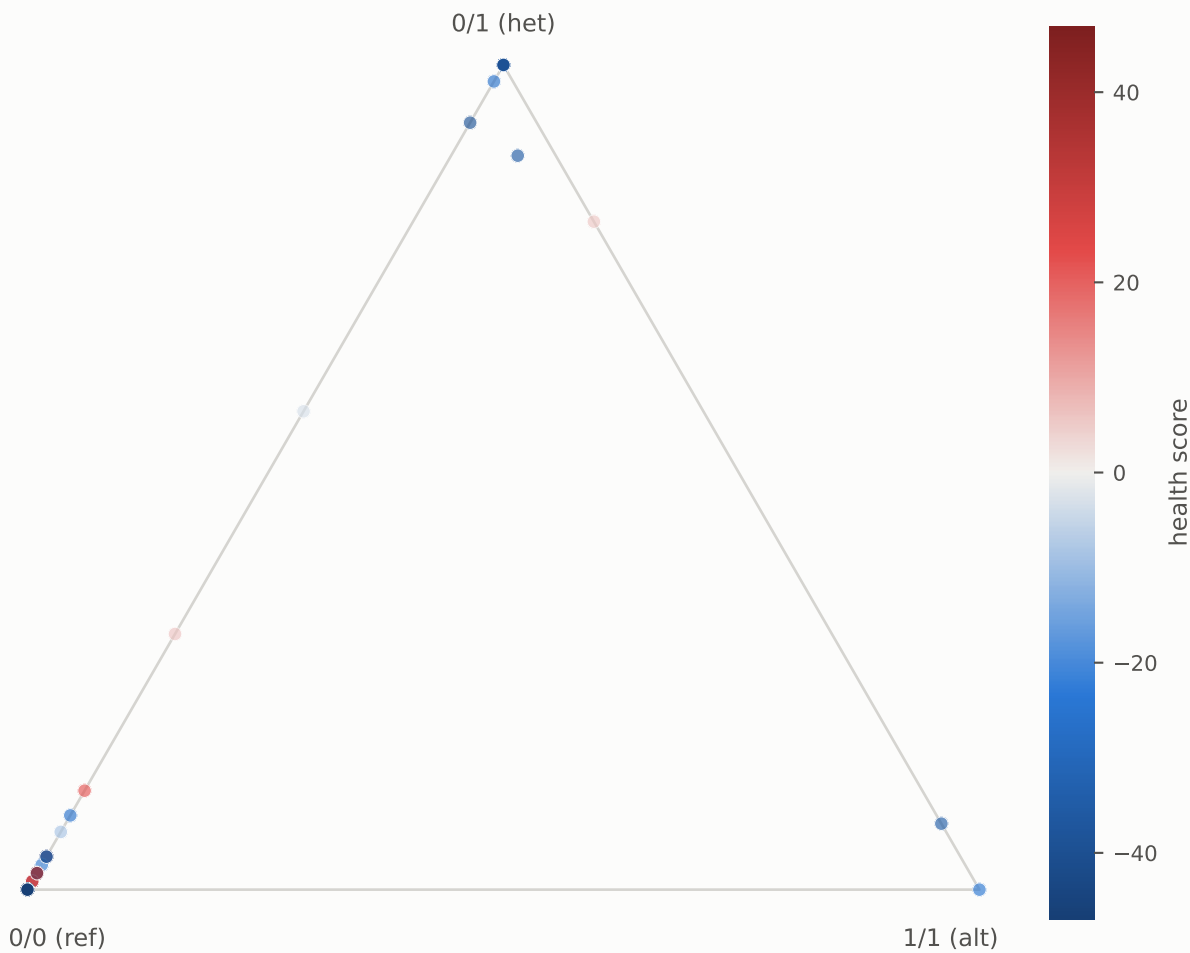
#192 by health association CHR\_07:11,817,889 G>A  
AF=0.014 DR2=0.92 r=-0.193 H=0.013 F=18.4



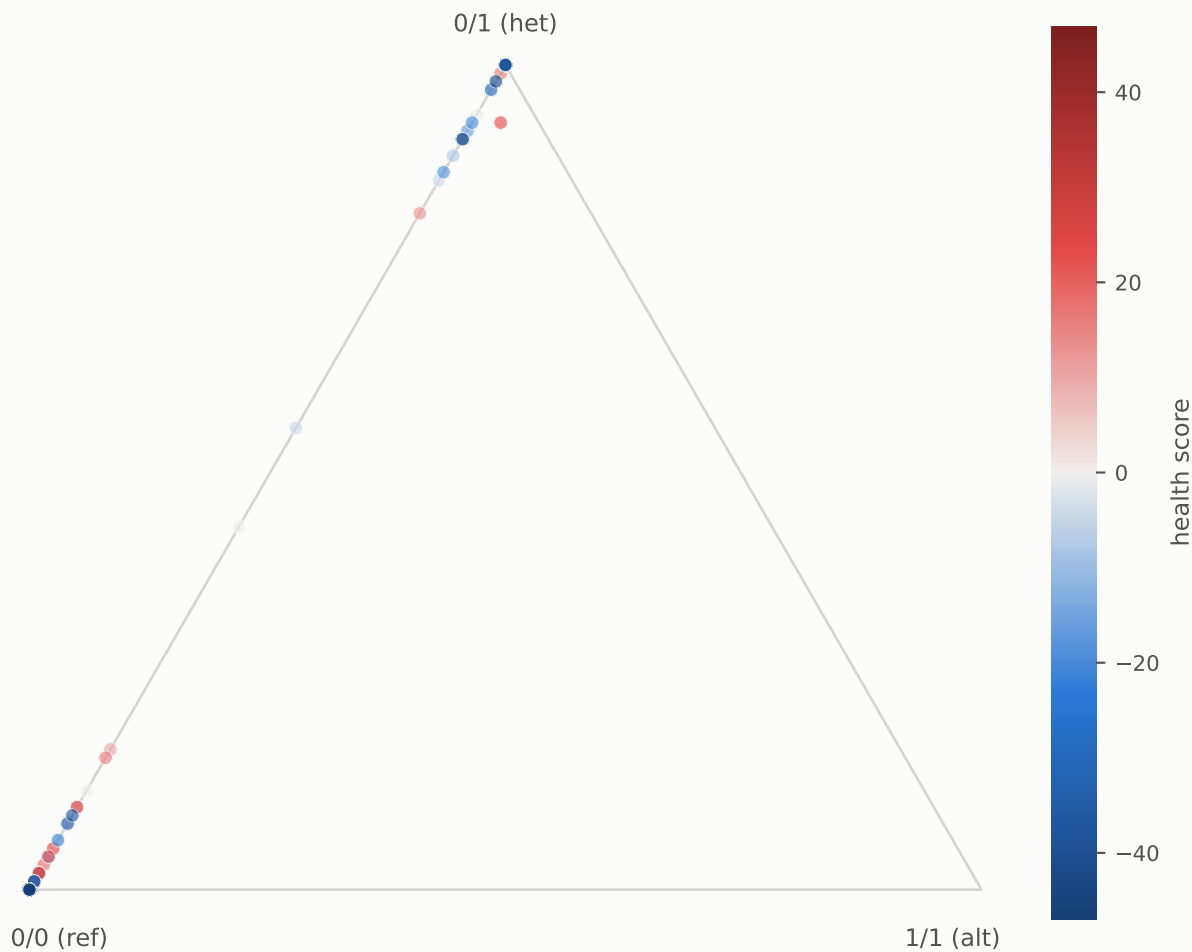
#193 by health association CHR\_04:23,744,337 C>A  
AF=0.066 DR2=0.93  $r=+0.193$  H=0.034 F=15.9



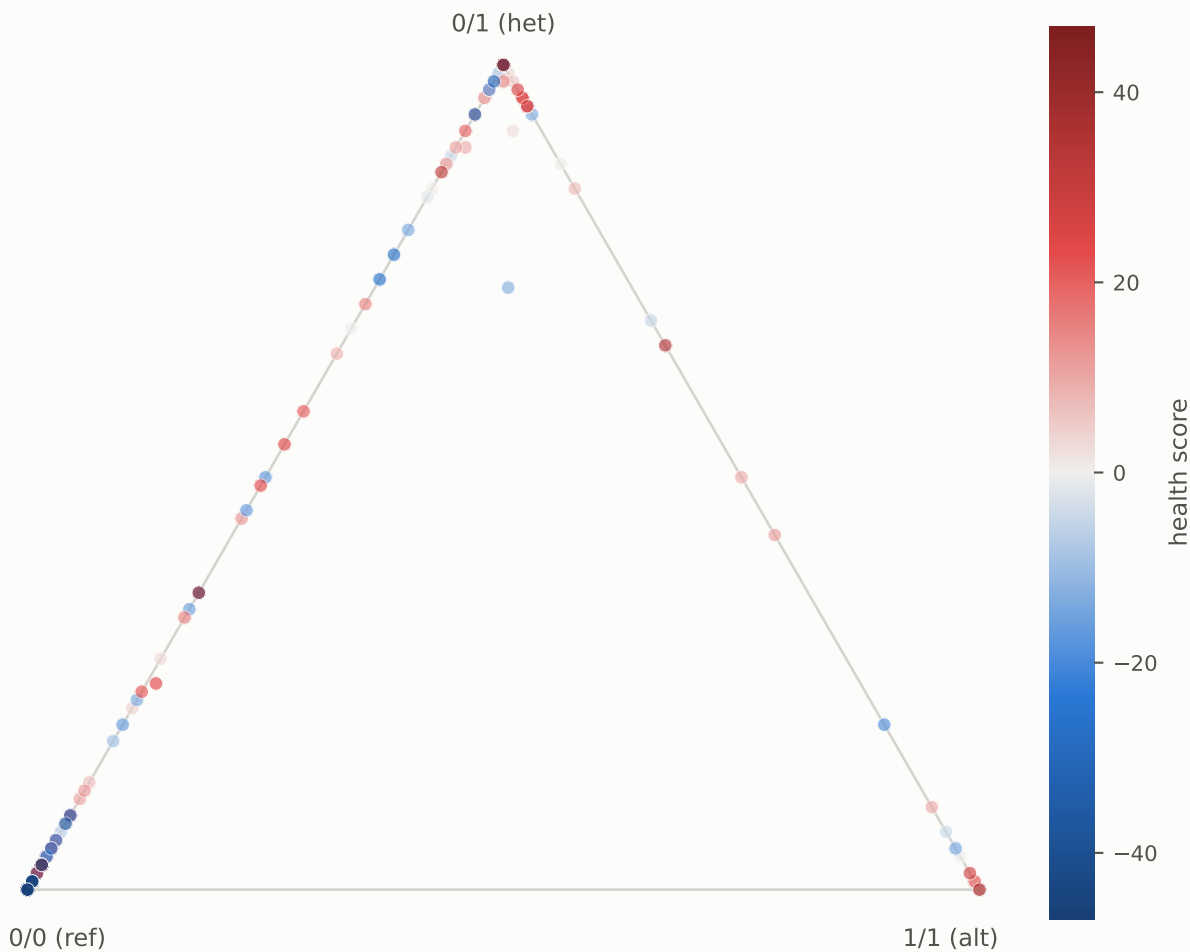
#194 by health association CHR\_02:13,883,573 G>A  
AF=0.032 DR2=0.94 r=-0.193 H=0.016 F=12.0



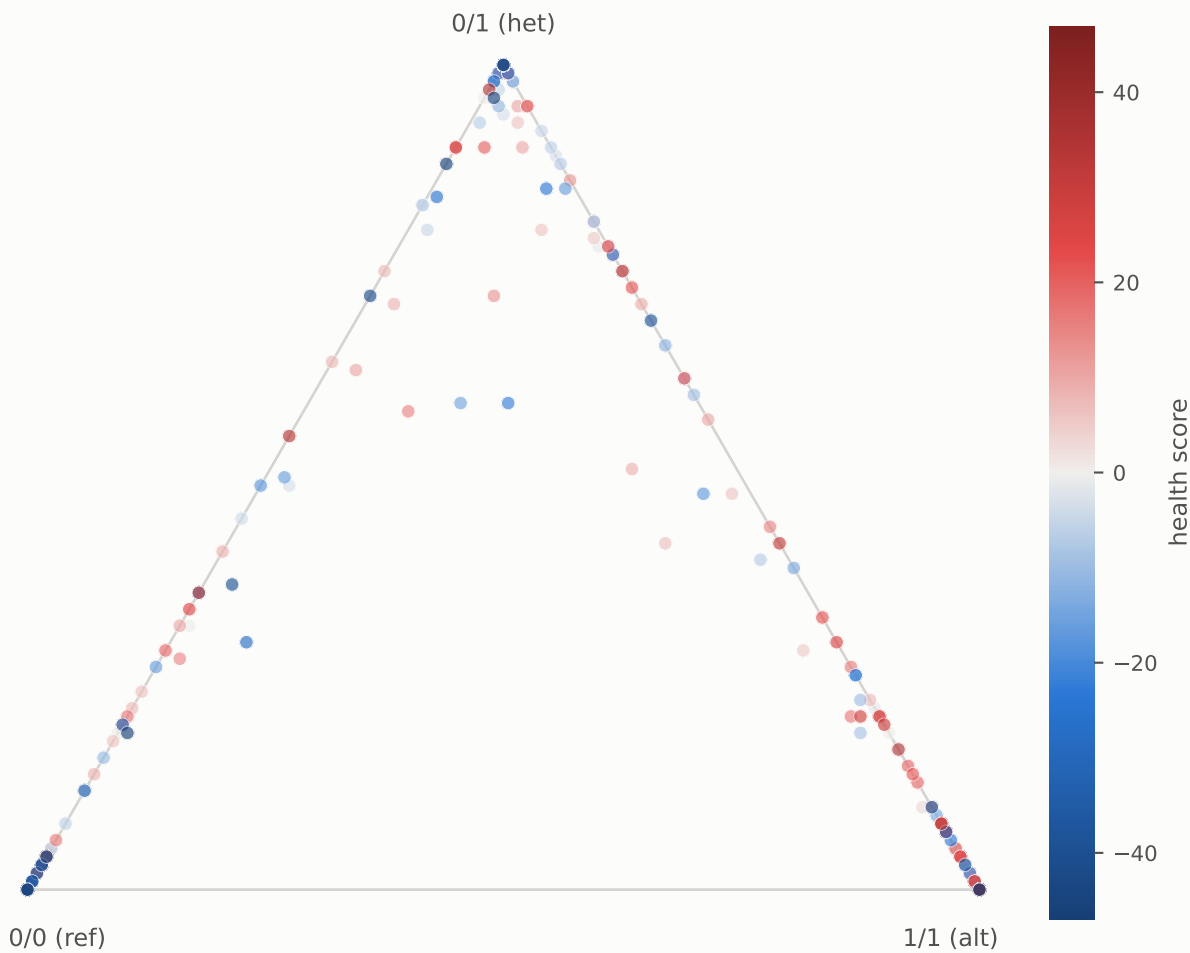
#195 by health association CHR\_08:15,382,520 G>A  
AF=0.04 DR2=0.92  $r=-0.193$   $H=0.025$   $F=17.4$



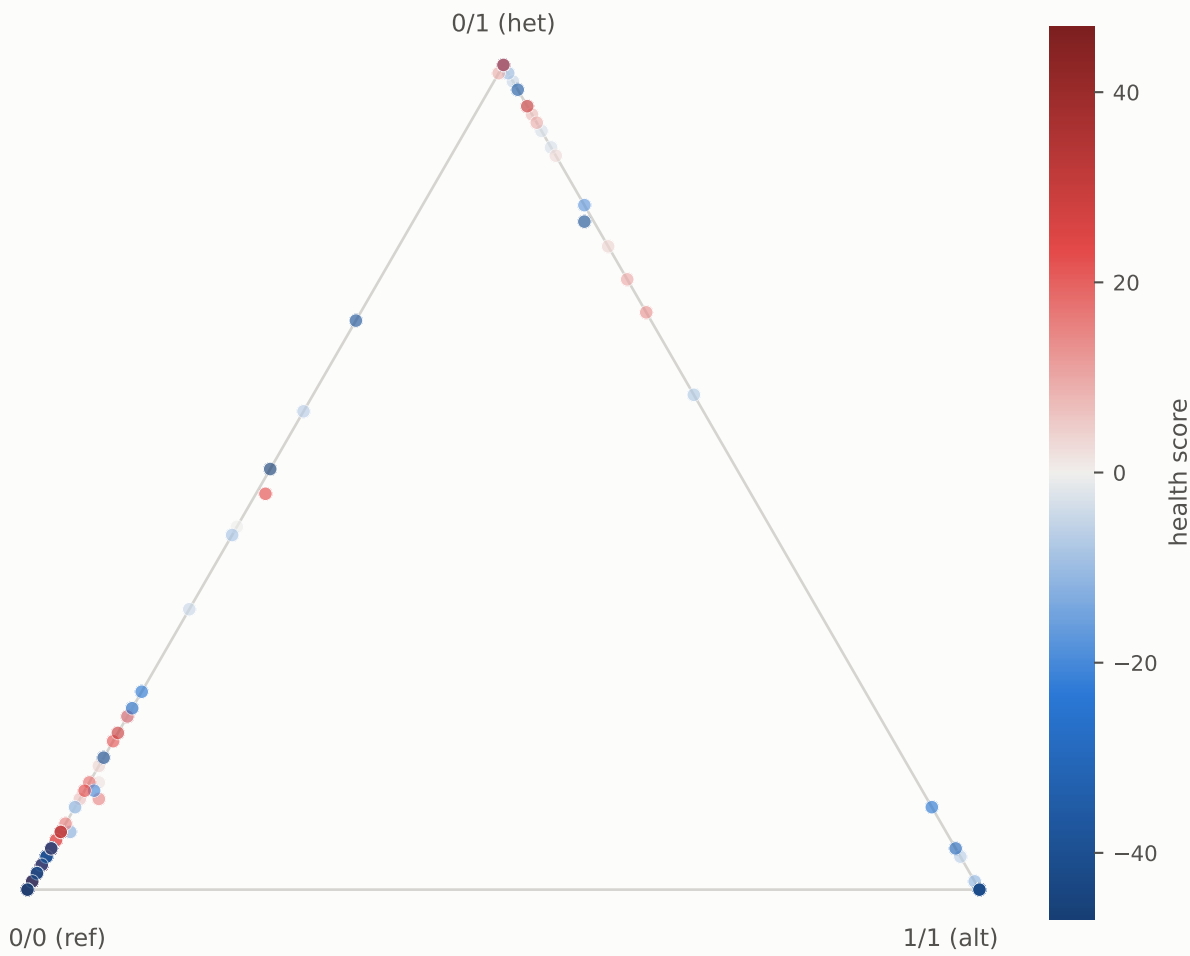
#196 by health association unpi-scaff\_007:37,489 C>A  
AF=0.17 DR2=0.91 r=+0.193 H=0.088 F=8.1



#197 by health association CHR\_09:11,754,995 T>G  
AF=0.52 DR2=0.9 r=+0.193 H=0.165 F=9.2

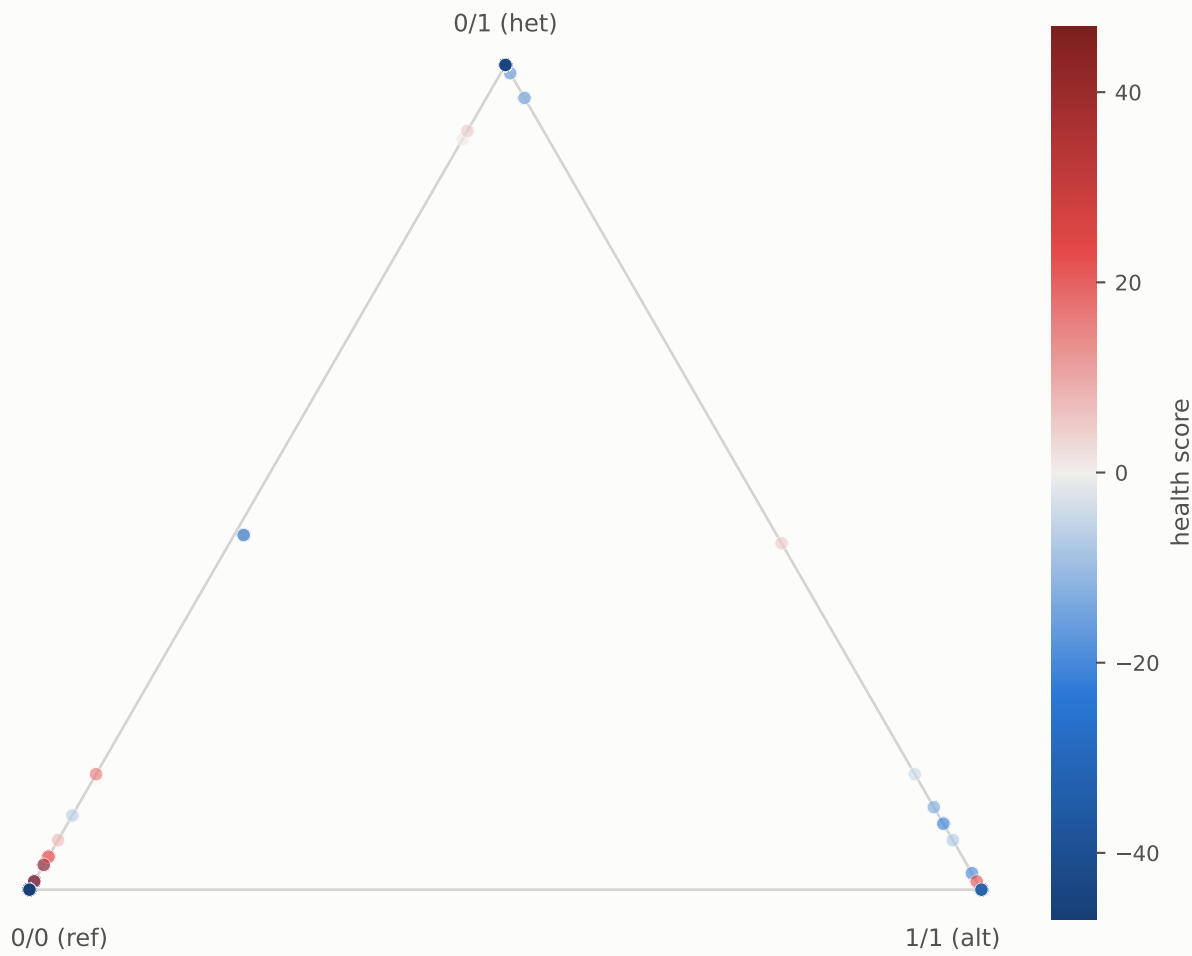


#198 by health association CHR\_09:125,475 T>A  
AF=0.062 DR2=0.82  $r=-0.193$   $\bar{H}=0.113$  F=10.7





#199 by health association CHR\_23:2,448,908 C>A  
AF=0.088 DR2=0.98  $r=-0.193$  H=0.013 F=8.2



#200 by health association CHR\_13:22,997,690 G>A  
AF=0.26 DR2=0.9 r=-0.192 H=0.116 F=8.1

