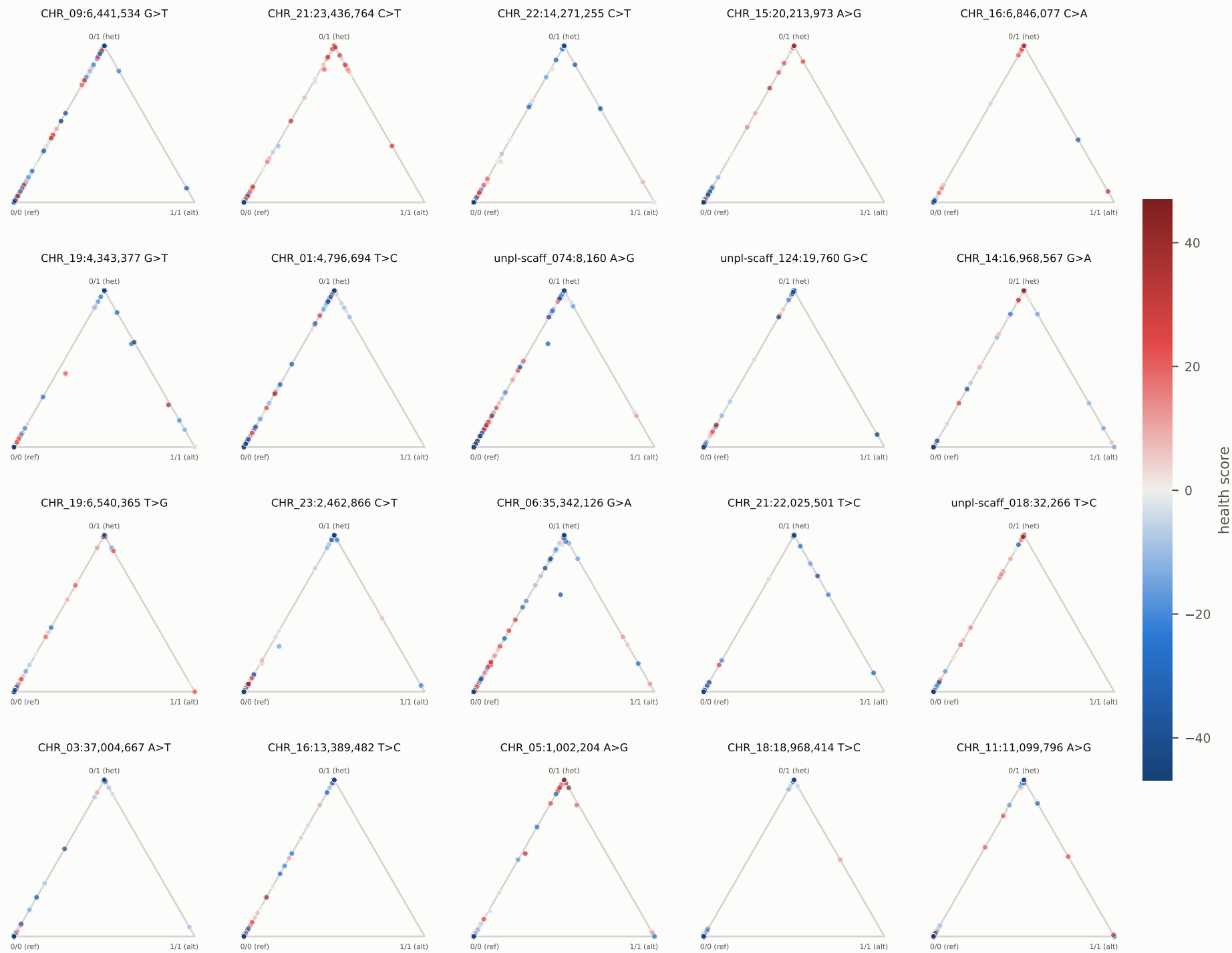
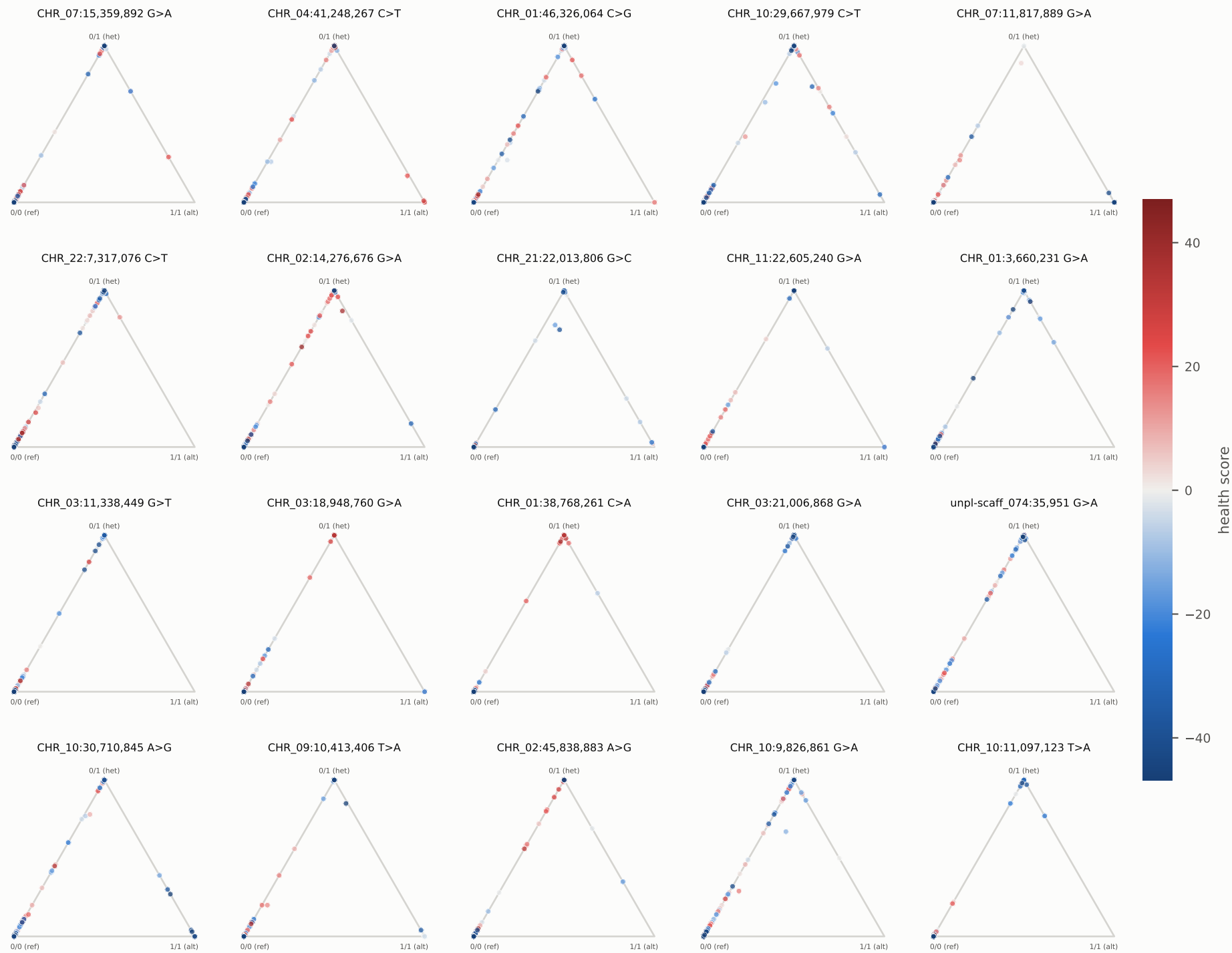
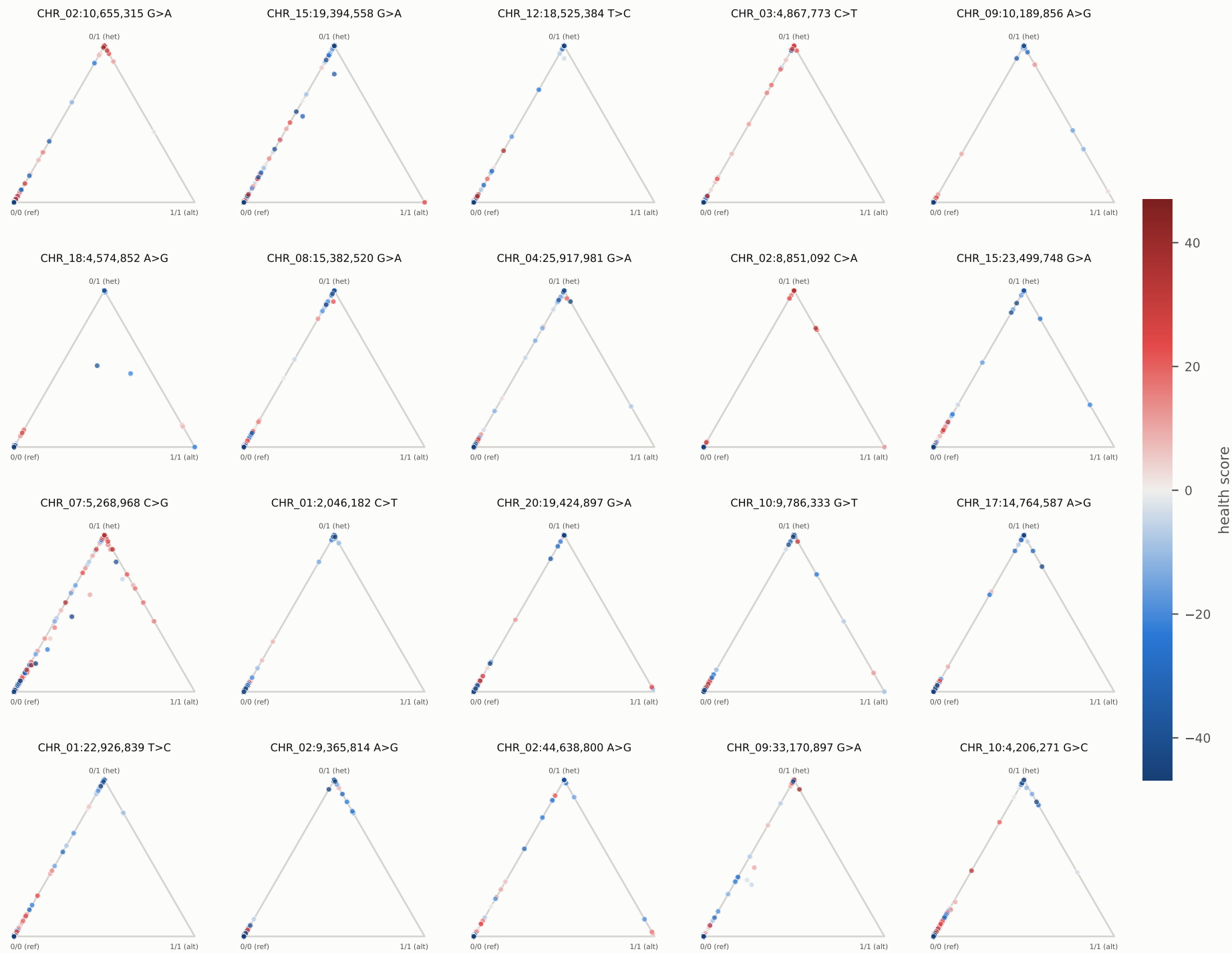




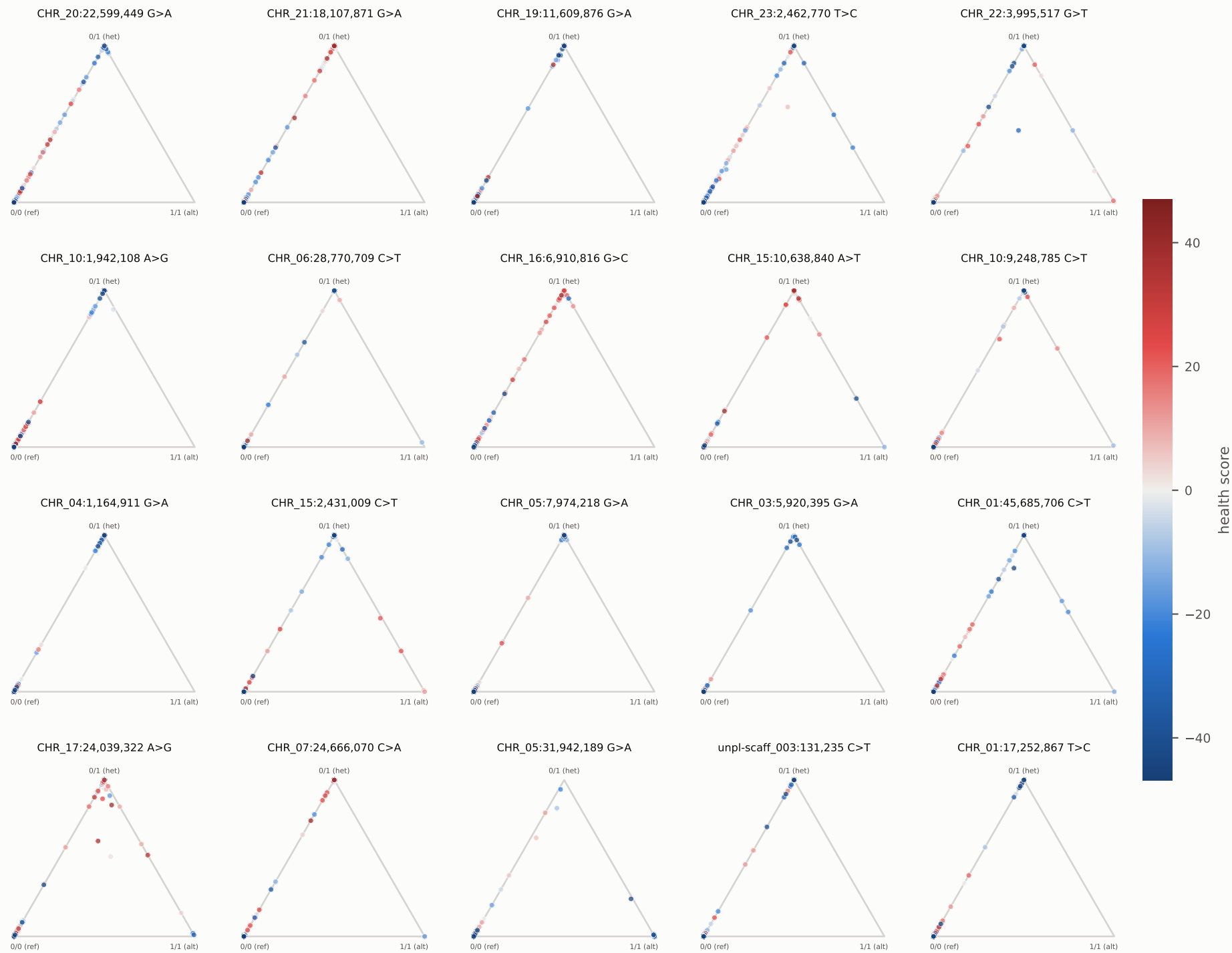
pruned — top 200 SNPs by cluster health separation (ANOVA F) — overview 2/10

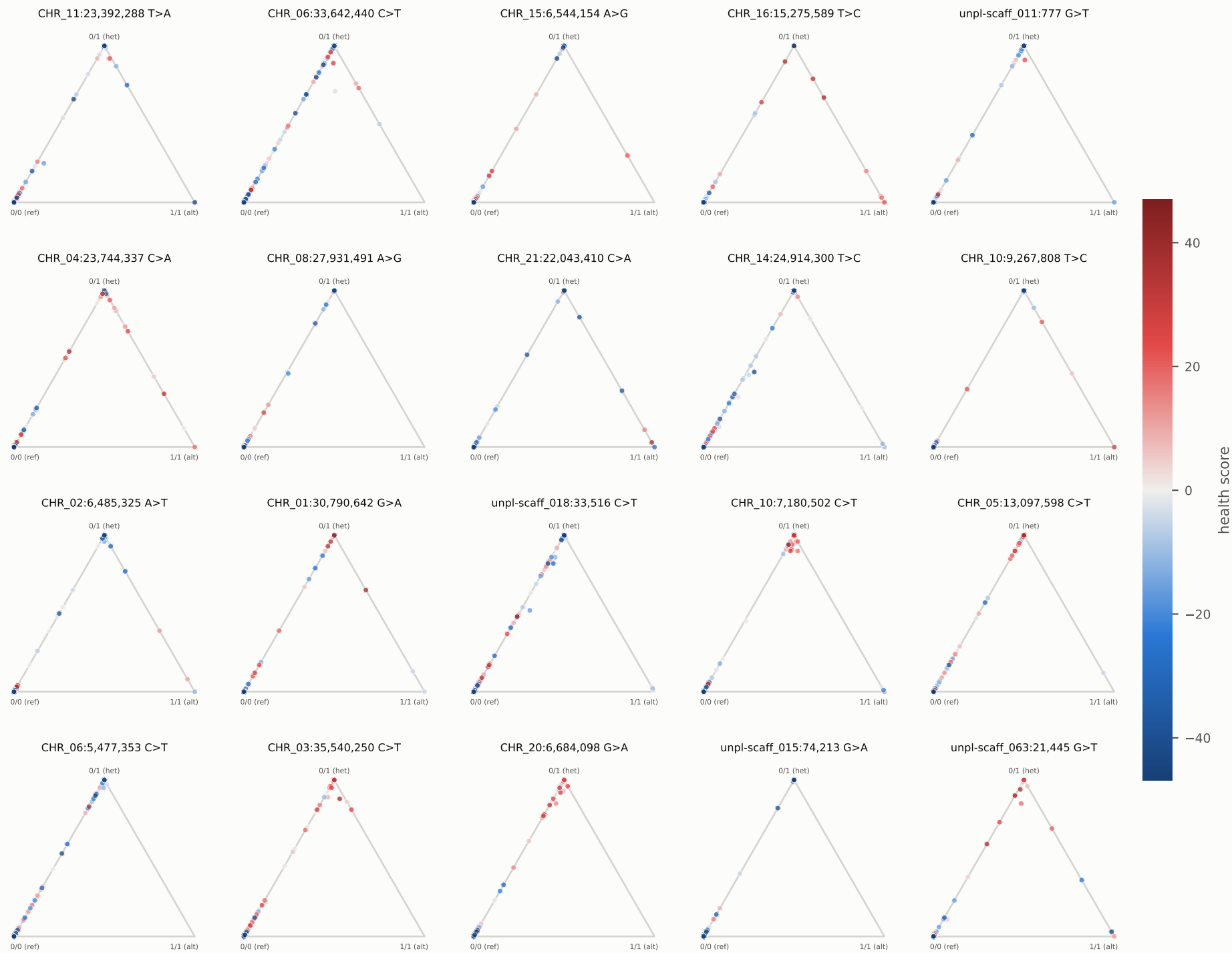


pruned — top 200 SNPs by cluster health separation (ANOVA F) — overview 3/10

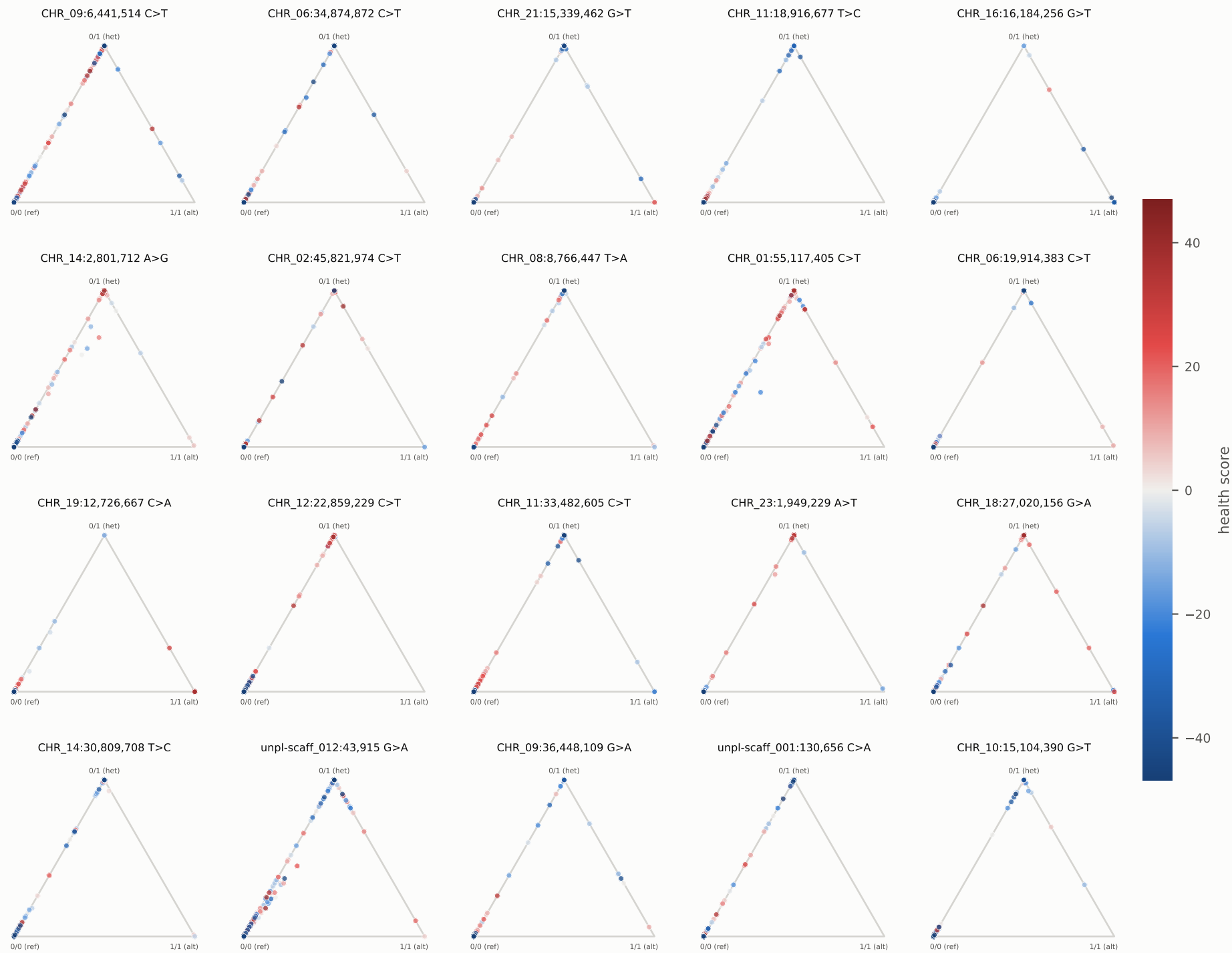


pruned — top 200 SNPs by cluster health separation (ANOVA F) — overview 4/10

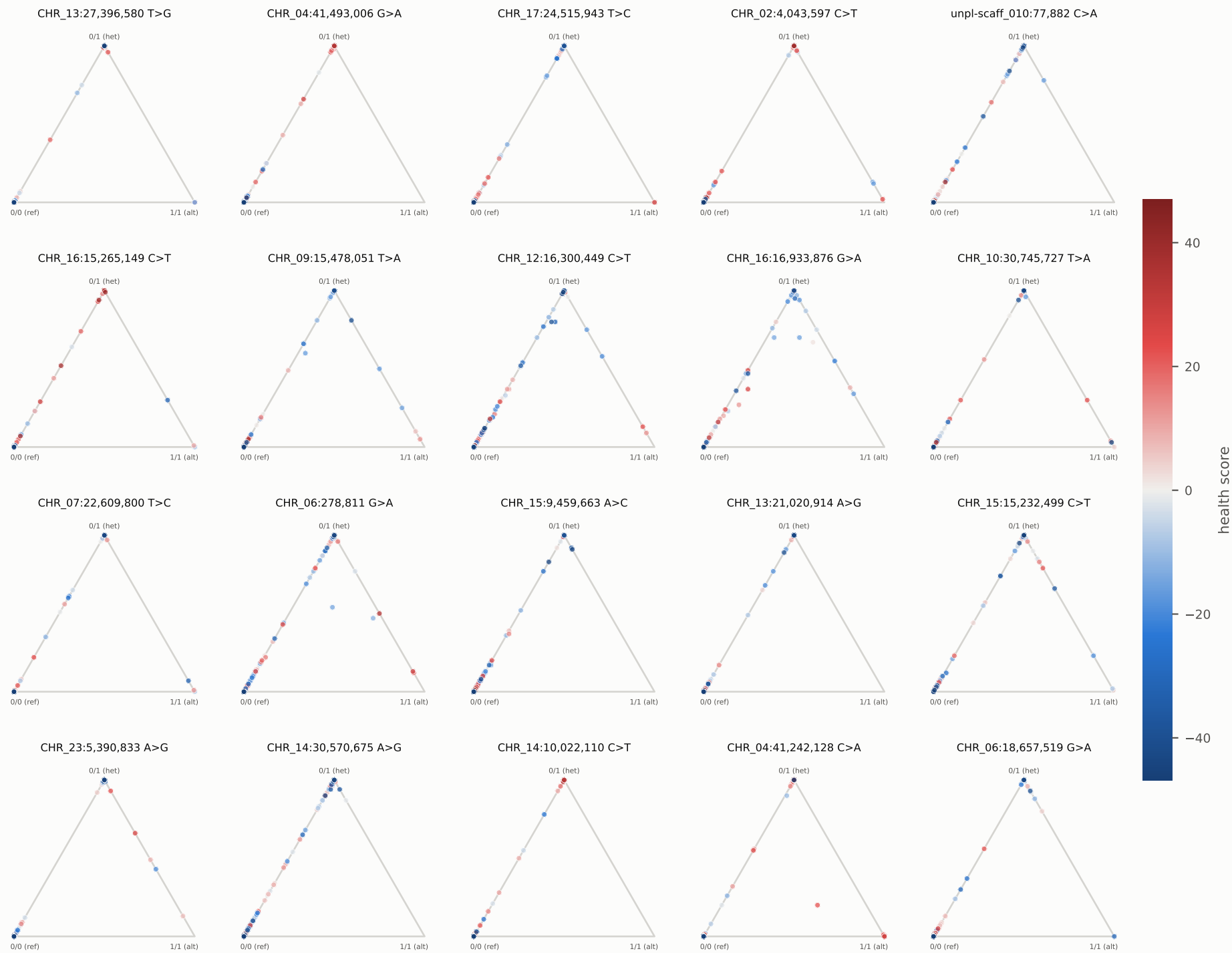




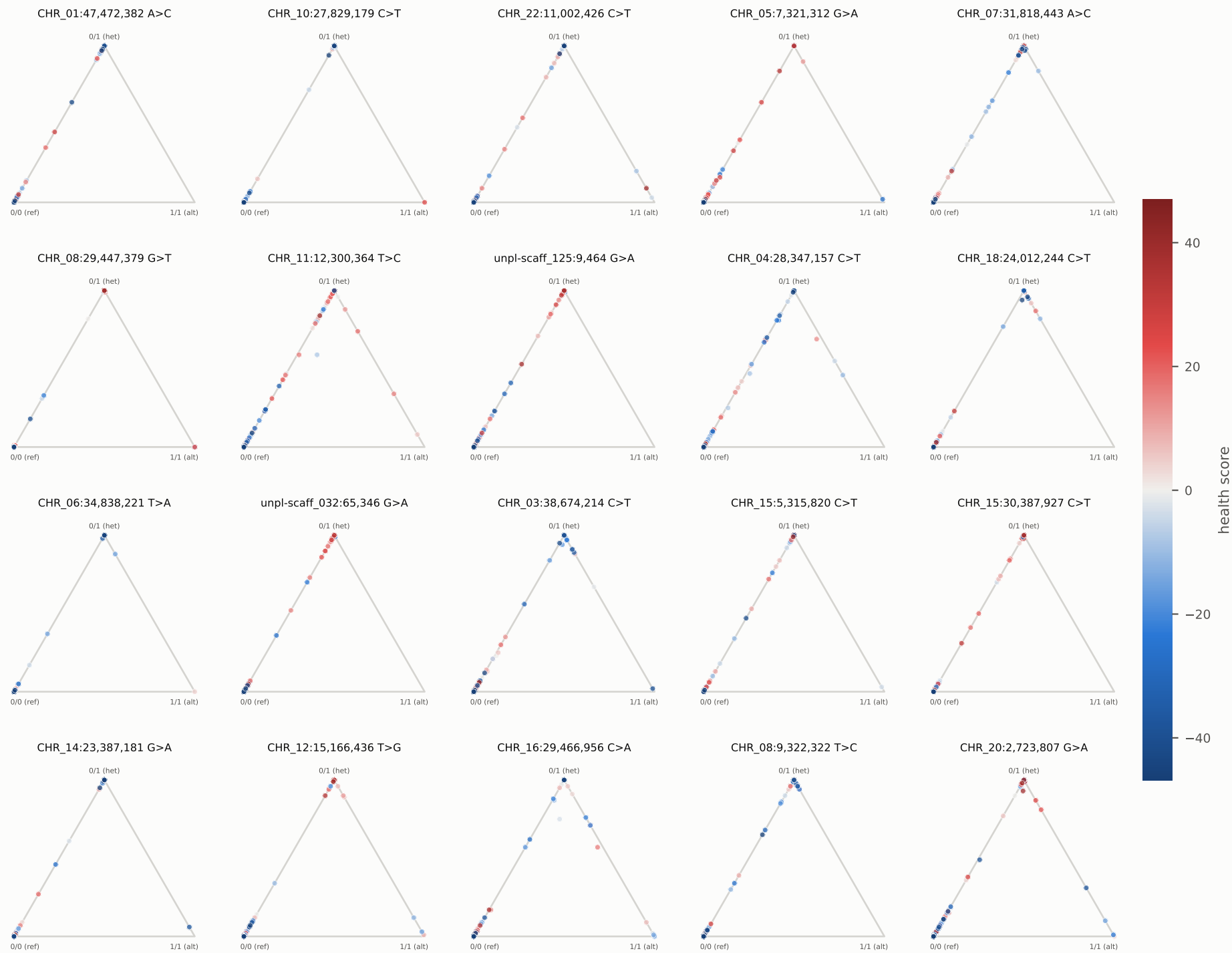
pruned — top 200 SNPs by cluster health separation (ANOVA F) — overview 6/10

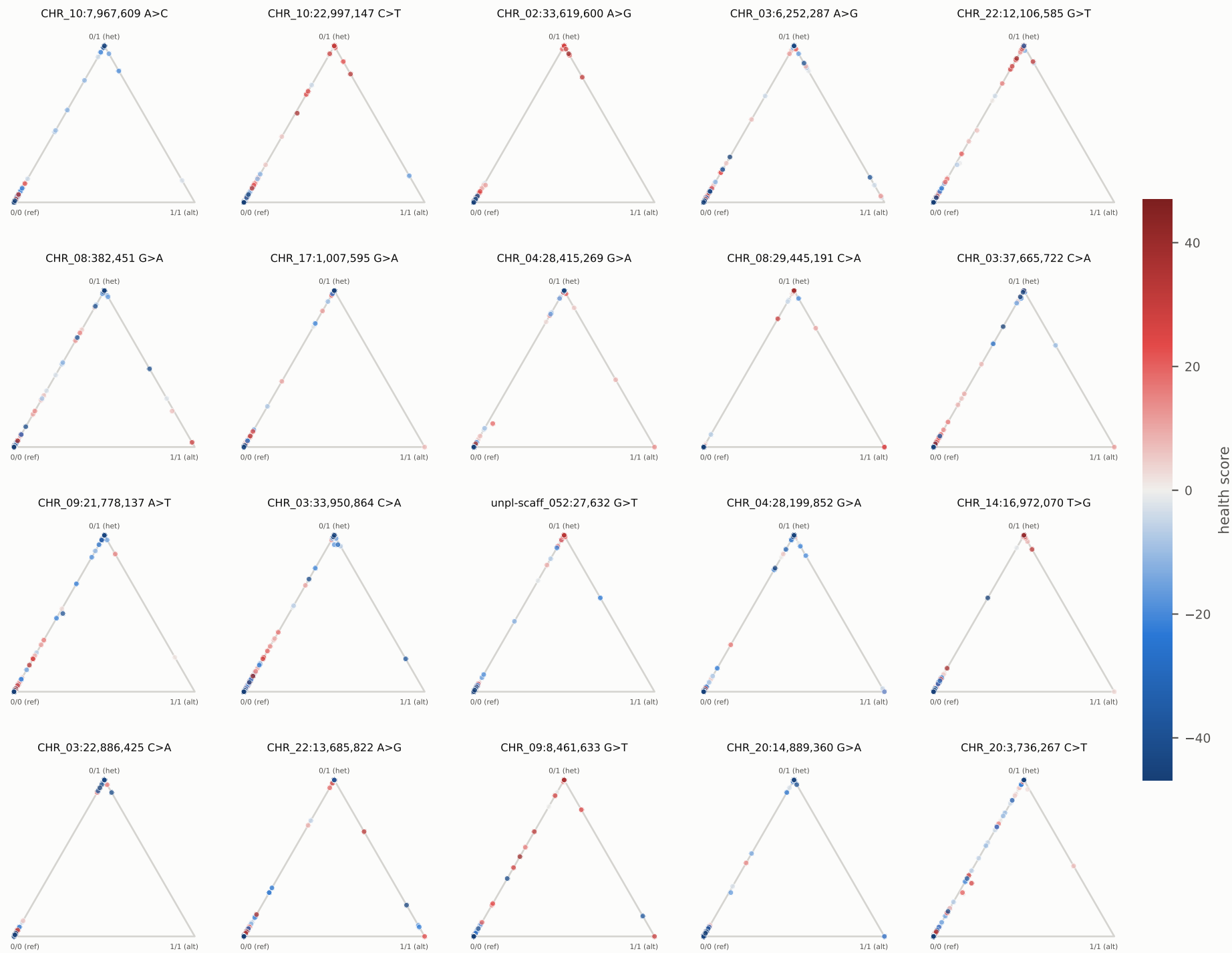


pruned — top 200 SNPs by cluster health separation (ANOVA F) — overview 7/10

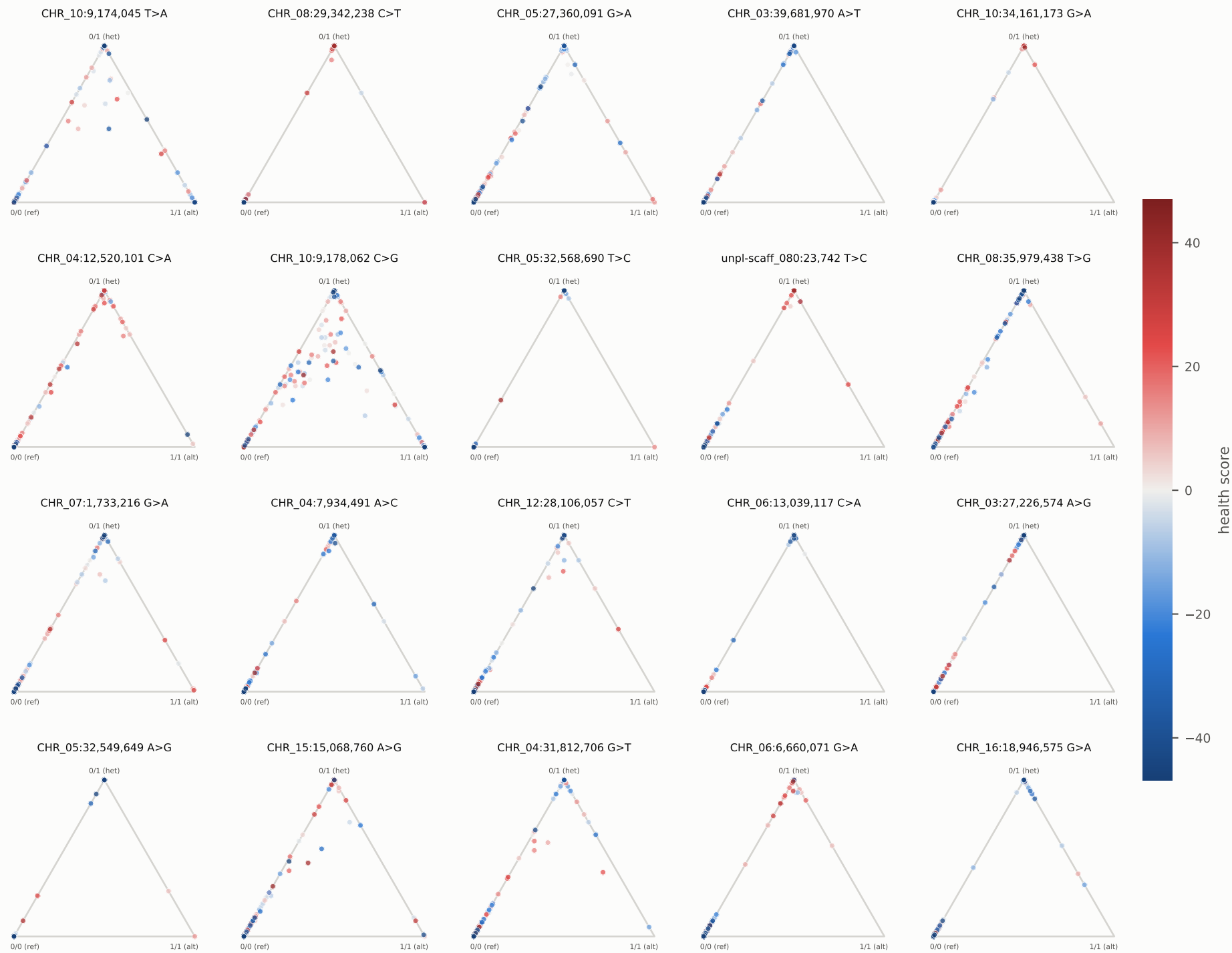


pruned — top 200 SNPs by cluster health separation (ANOVA F) — overview 8/10

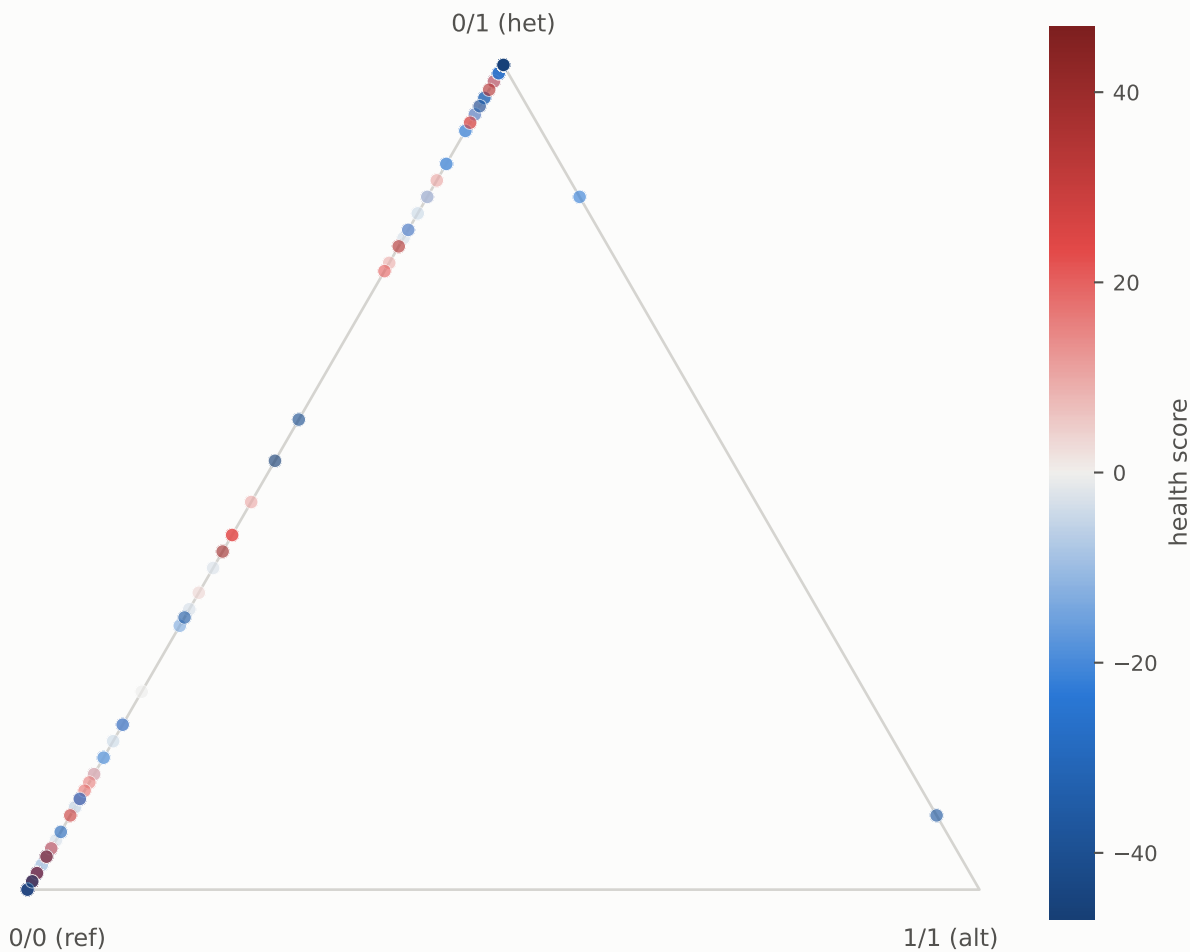




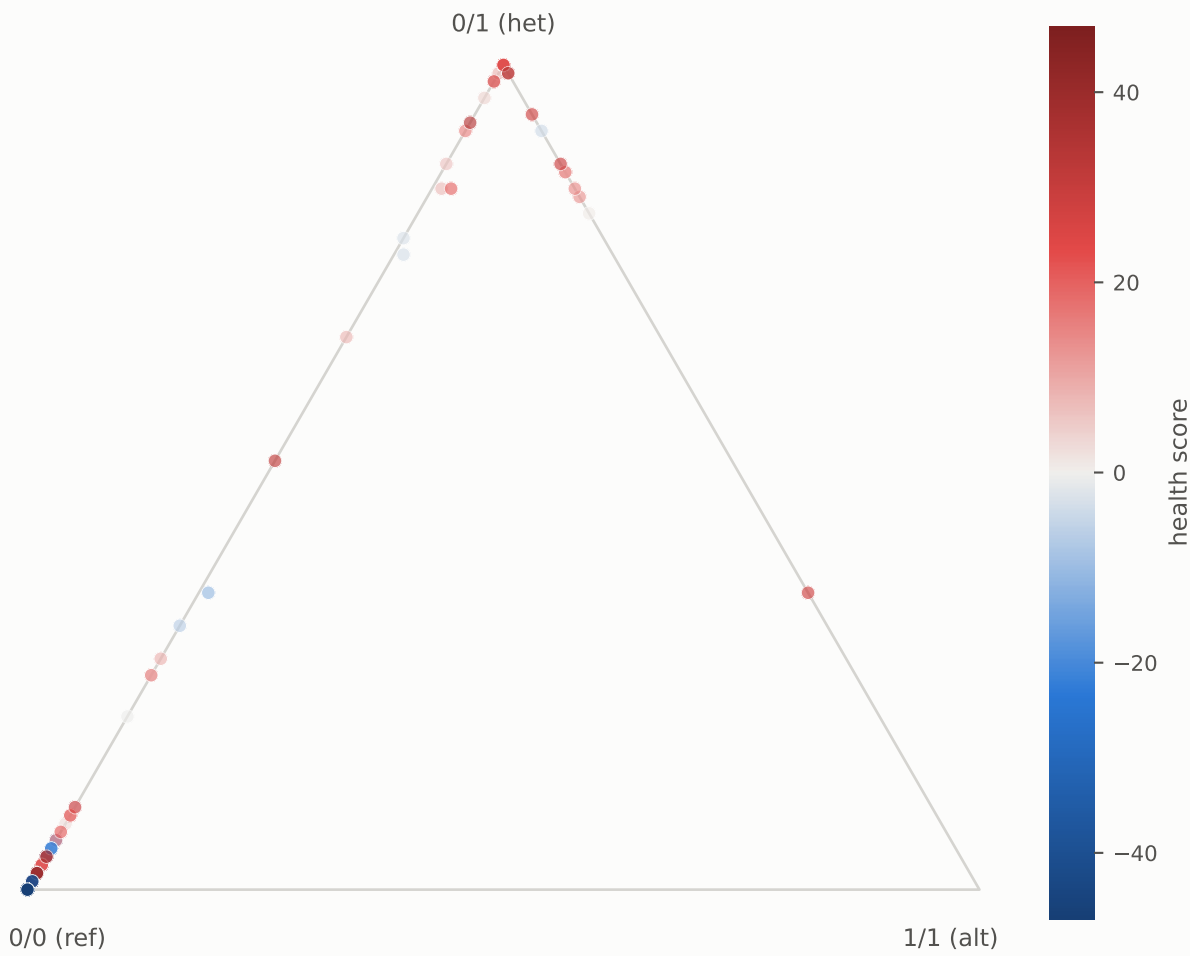
pruned — top 200 SNPs by cluster health separation (ANOVA F) — overview 10/10



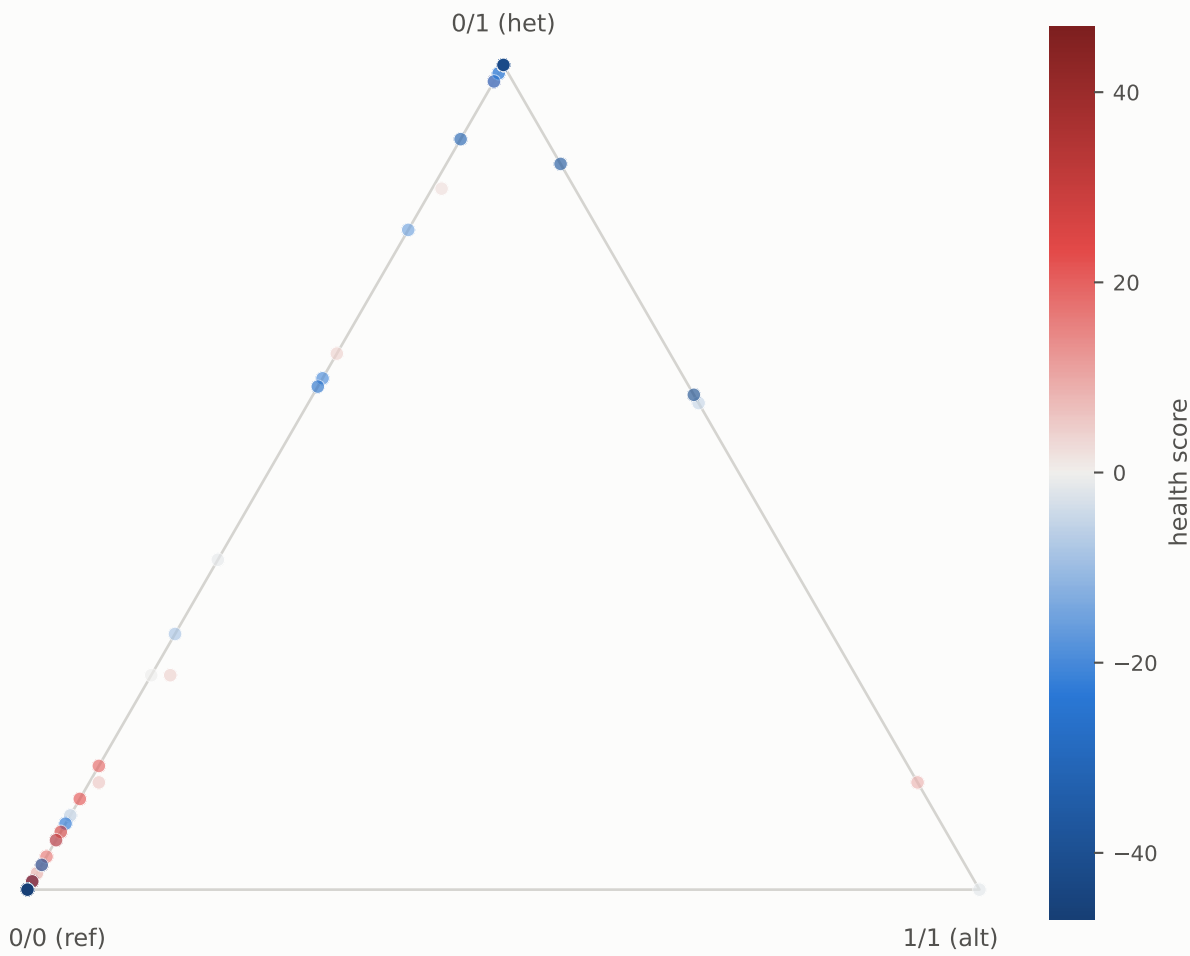
#1 by cluster health separation CHR_09:6,441,534 G>T
AF=0.19 DR2=0.91 r=-0.226 H=0.070 F=22.7



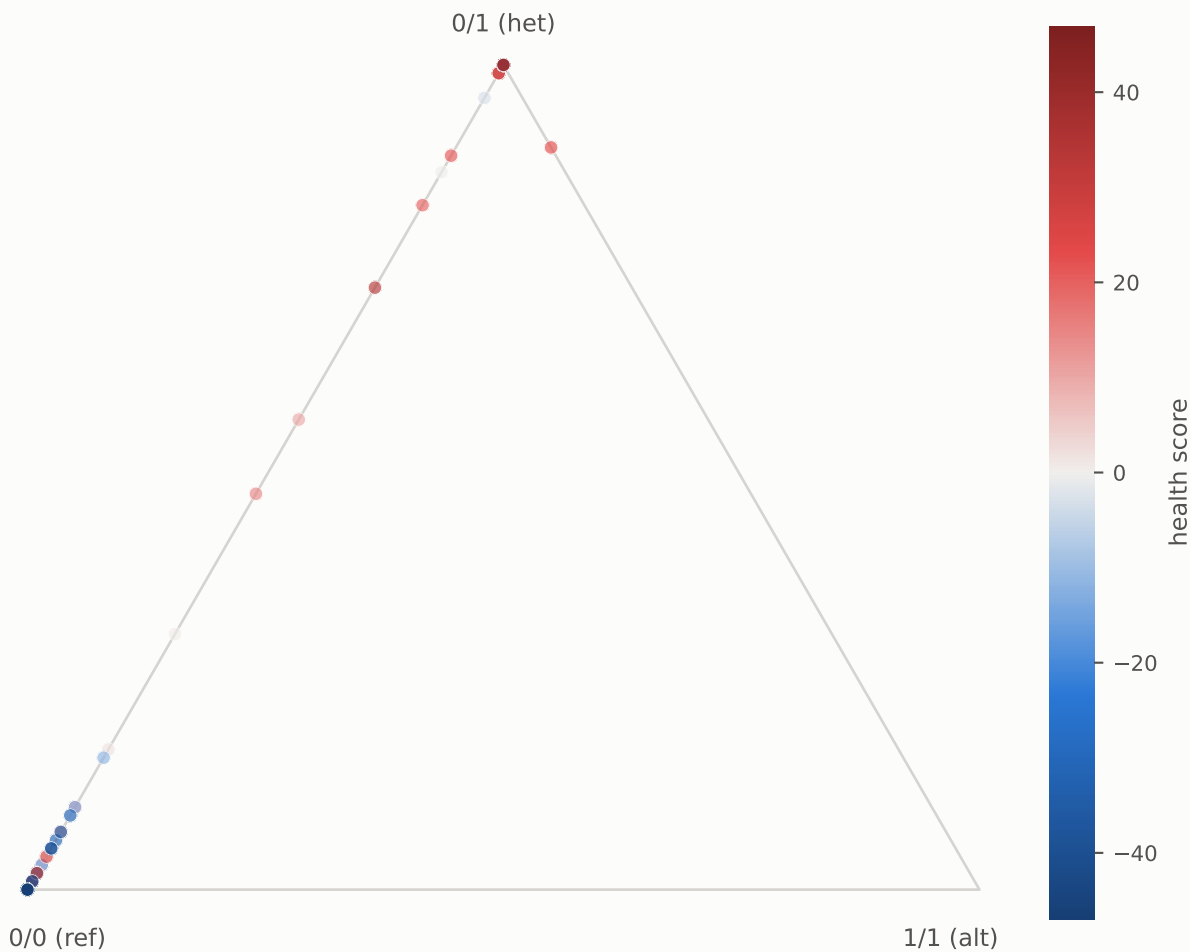
#2 by cluster health separation CHR_21:23,436,764 C>T
AF=0.028 DR2=0.81 $r=+0.233$ $\bar{H}=0.052$ F=22.1



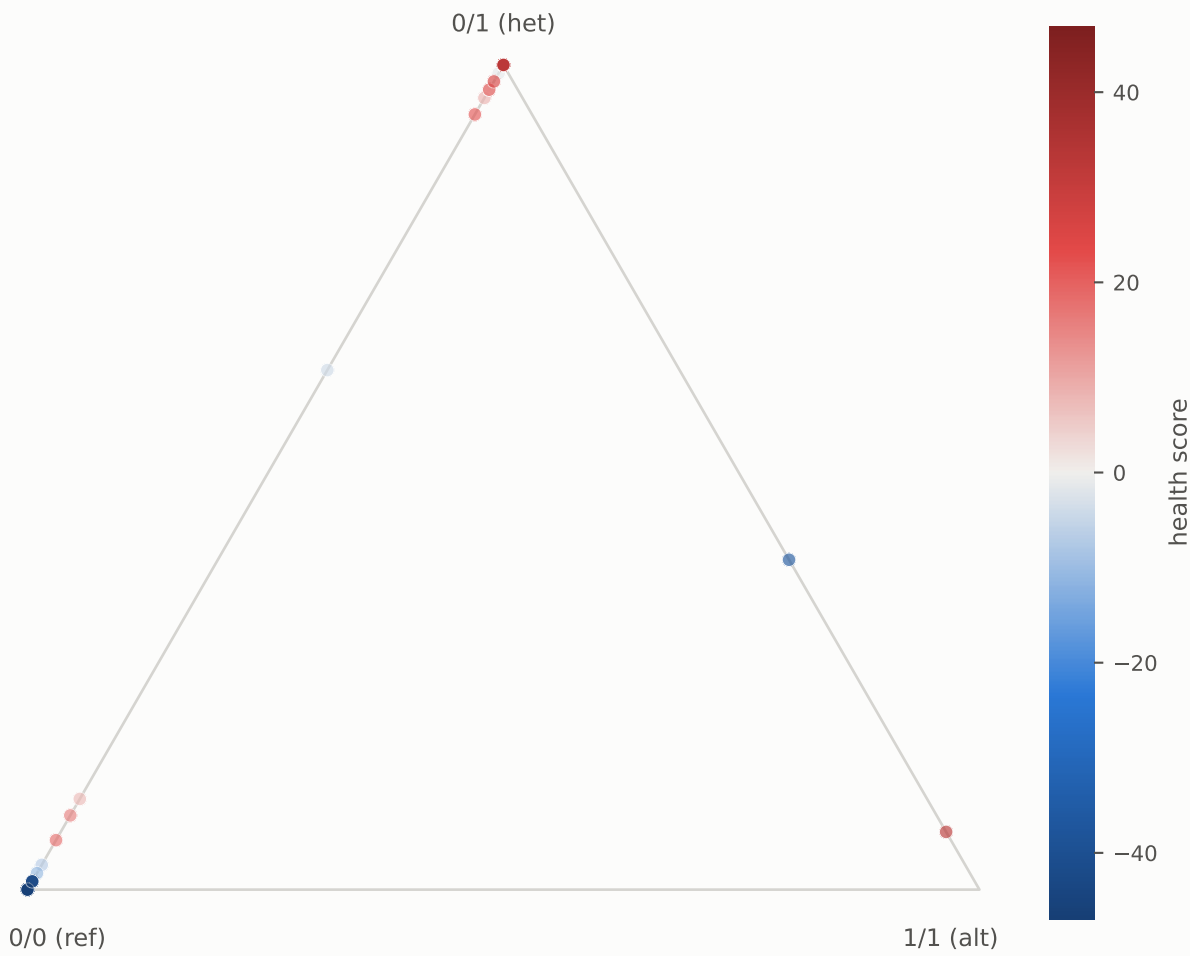
#3 by cluster health separation CHR_22:14,271,255 C>T
AF=0.056 DR2=0.93 r=-0.192 H=0.027 F=21.8



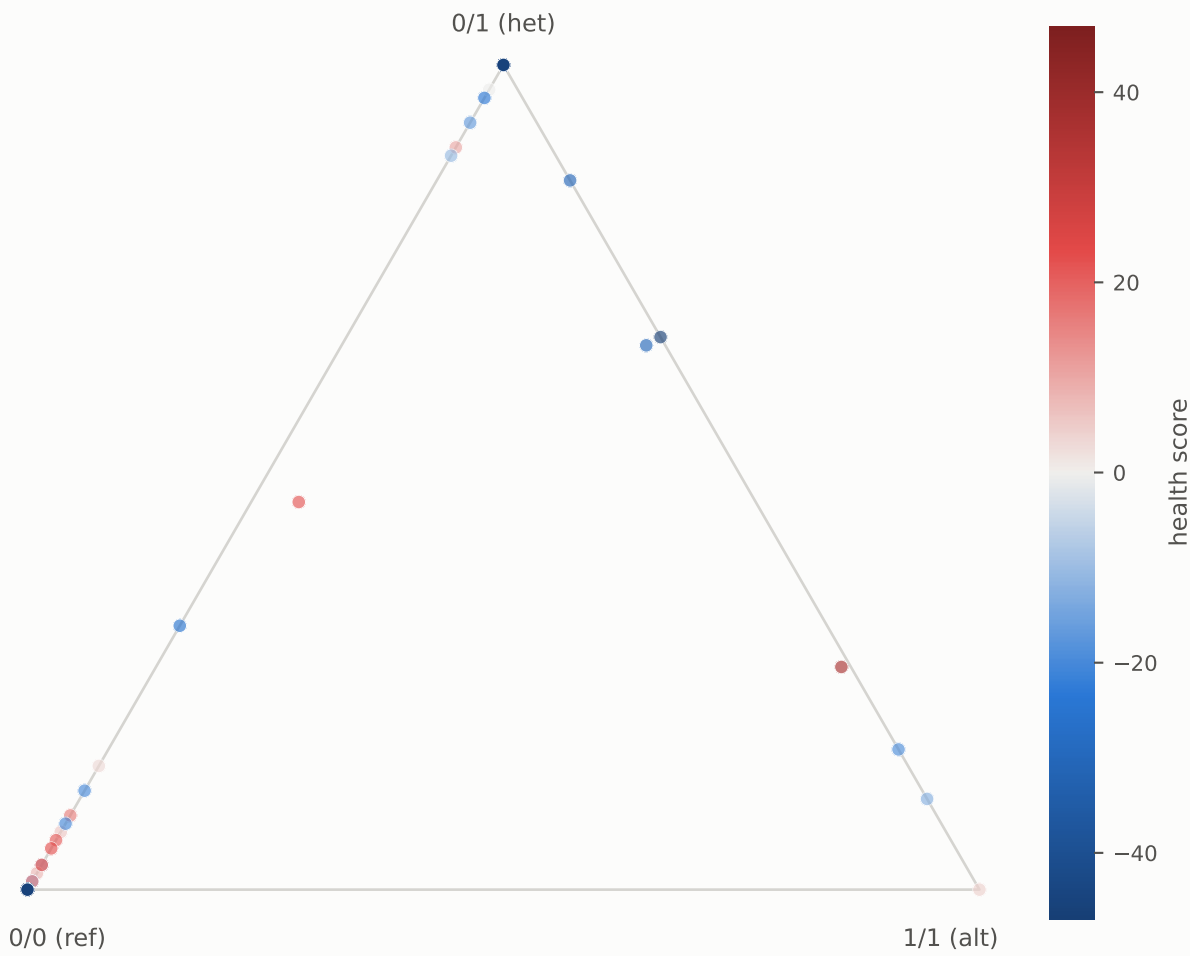
#4 by cluster health separation CHR_15:20,213,973 A>G
AF=0.051 DR2=0.92 r=+0.211 $\bar{H}$ =0.026 F=21.8



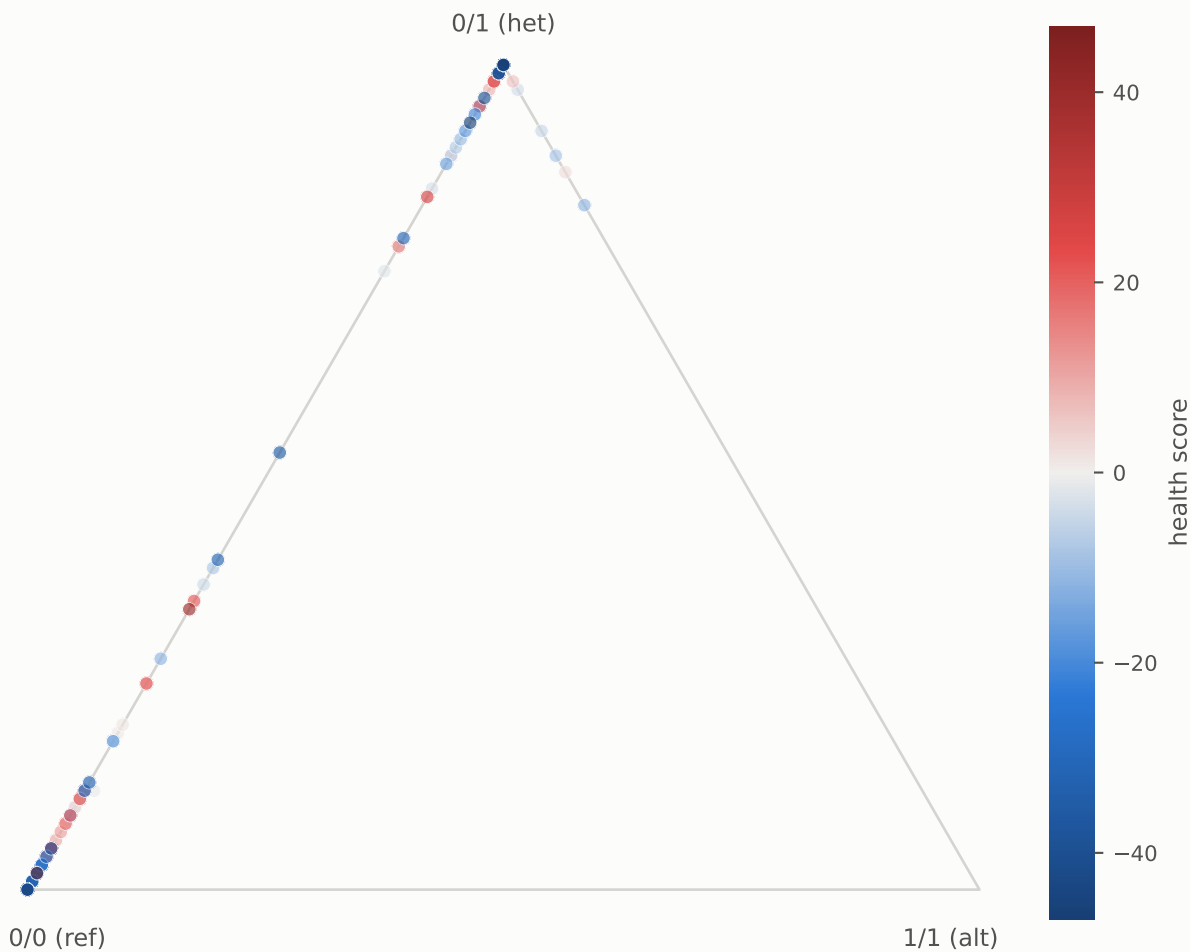
#5 by cluster health separation CHR_16:6,846,077 C>A
AF=0.048 DR2=0.97 r=+0.203 H=0.009 F=21.6



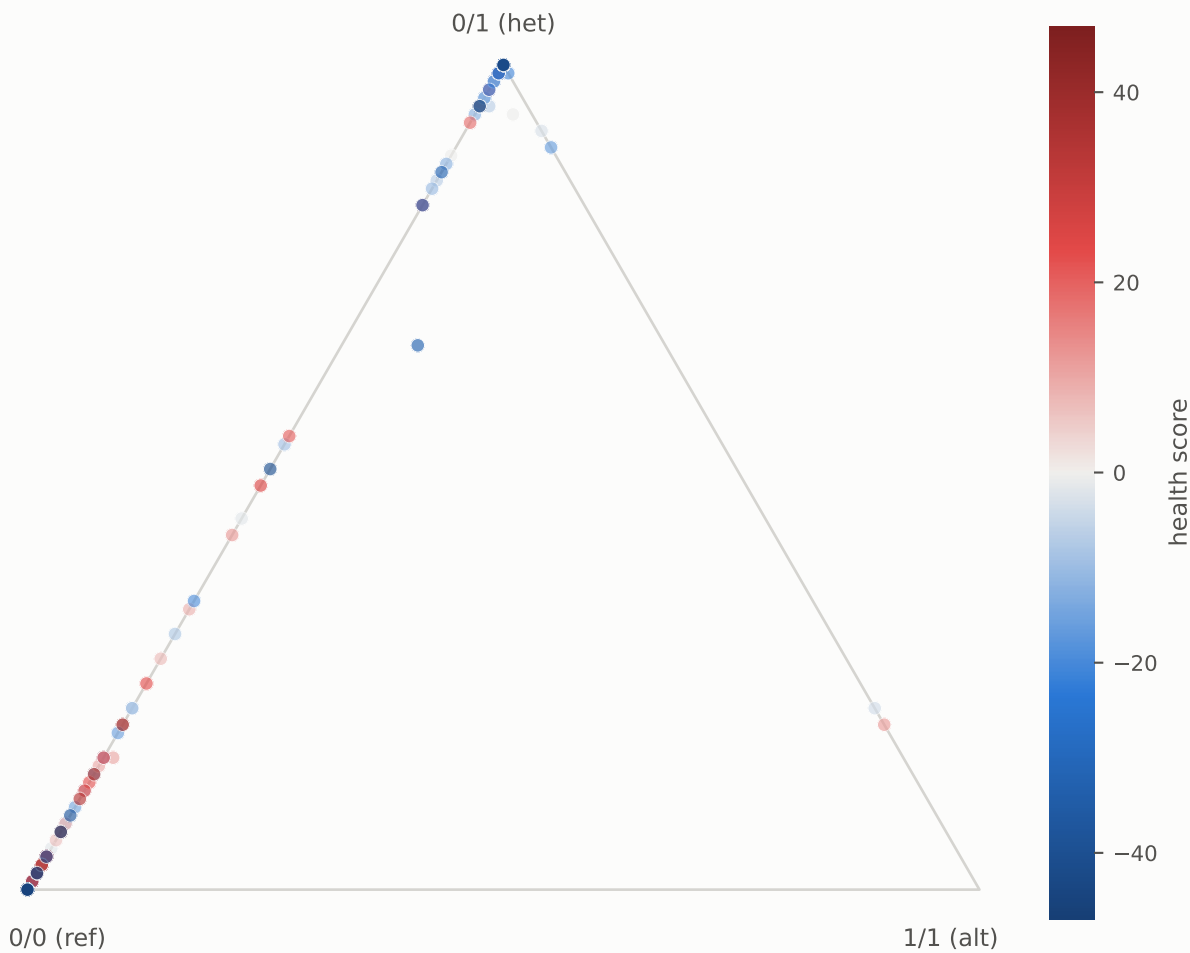
#6 by cluster health separation CHR_19:4,343,377 G>T
AF=0.053 DR2=0.93 r=-0.180 H=0.019 F=21.4



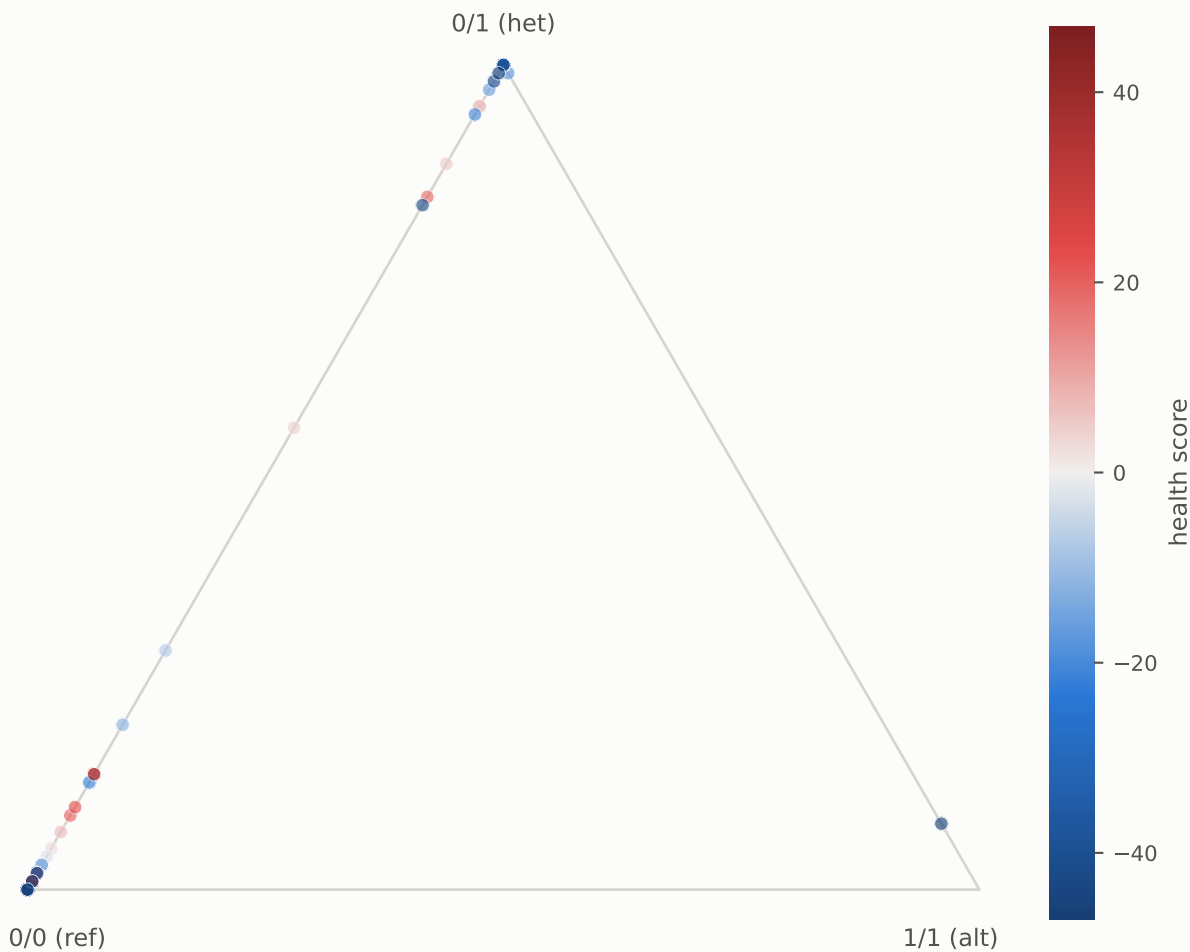
#7 by cluster health separation CHR_01:4,796,694 T>C
AF=0.073 DR2=0.83 $r=-0.212$ $\bar{H}=0.067$ F=21.2



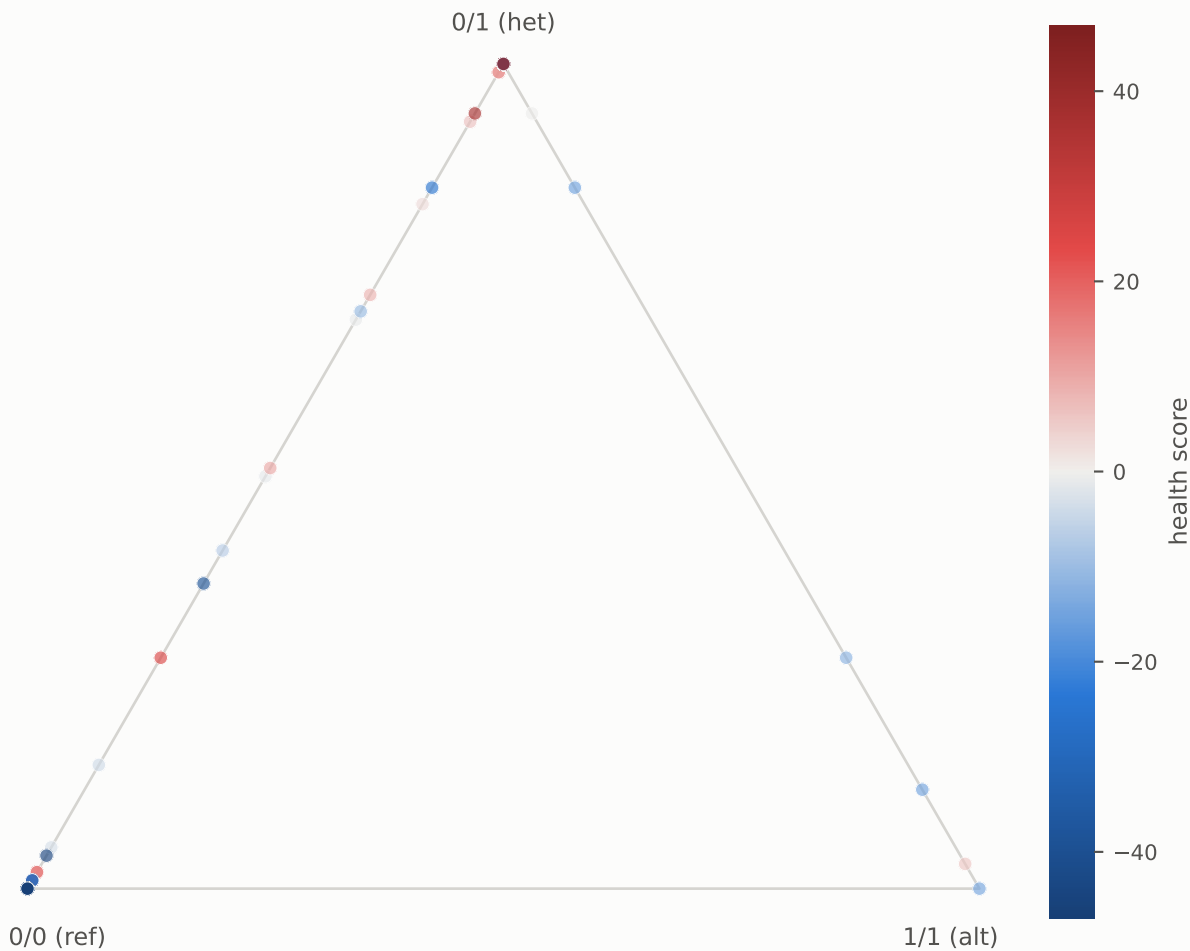
#8 by cluster health separation unpl-scaff_074:8,160 A>G
AF=0.094 DR2=0.88 r=-0.186 H=0.066 F=21.1



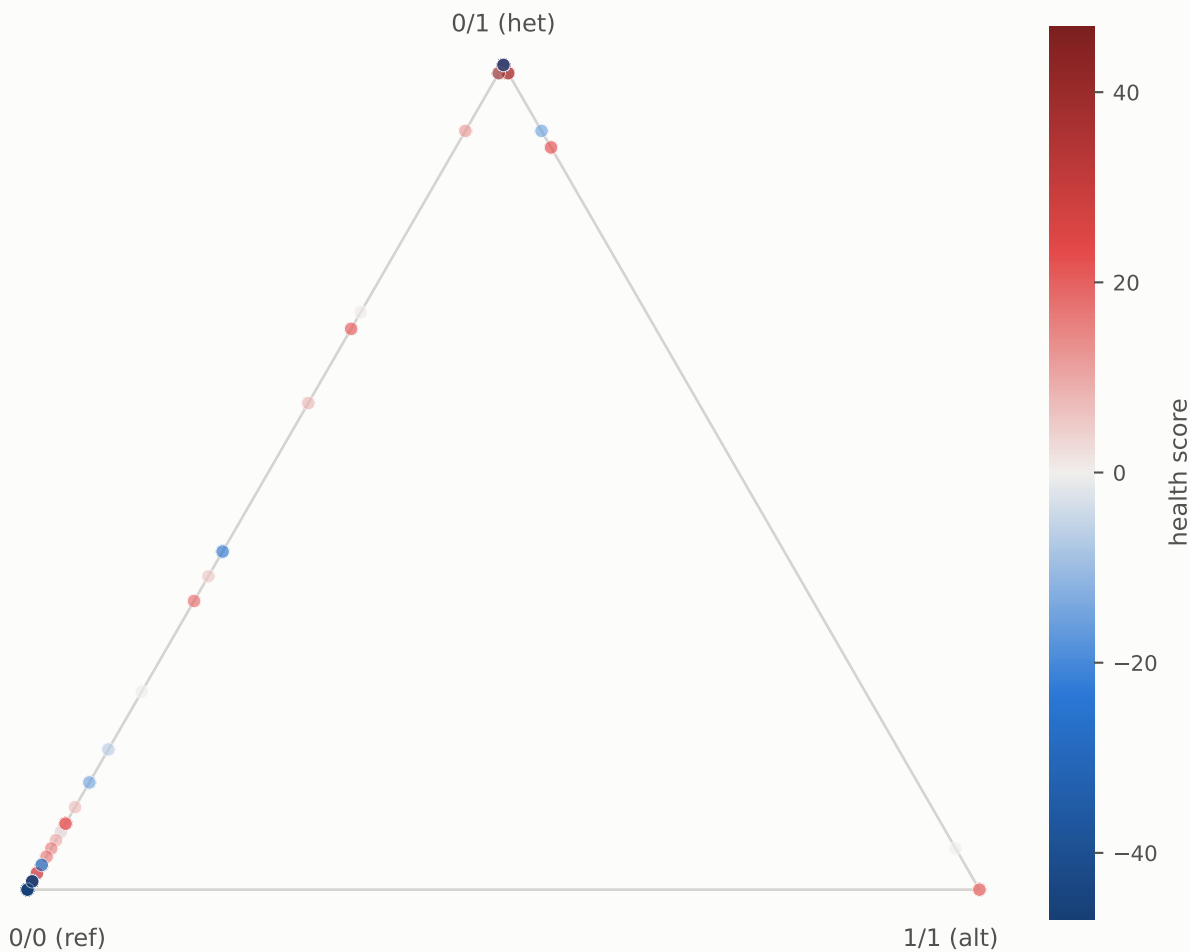
#9 by cluster health separation unpl-scaff_124:19,760 G>C
AF=0.048 DR2=0.93 r=-0.236 H=0.023 F=20.5



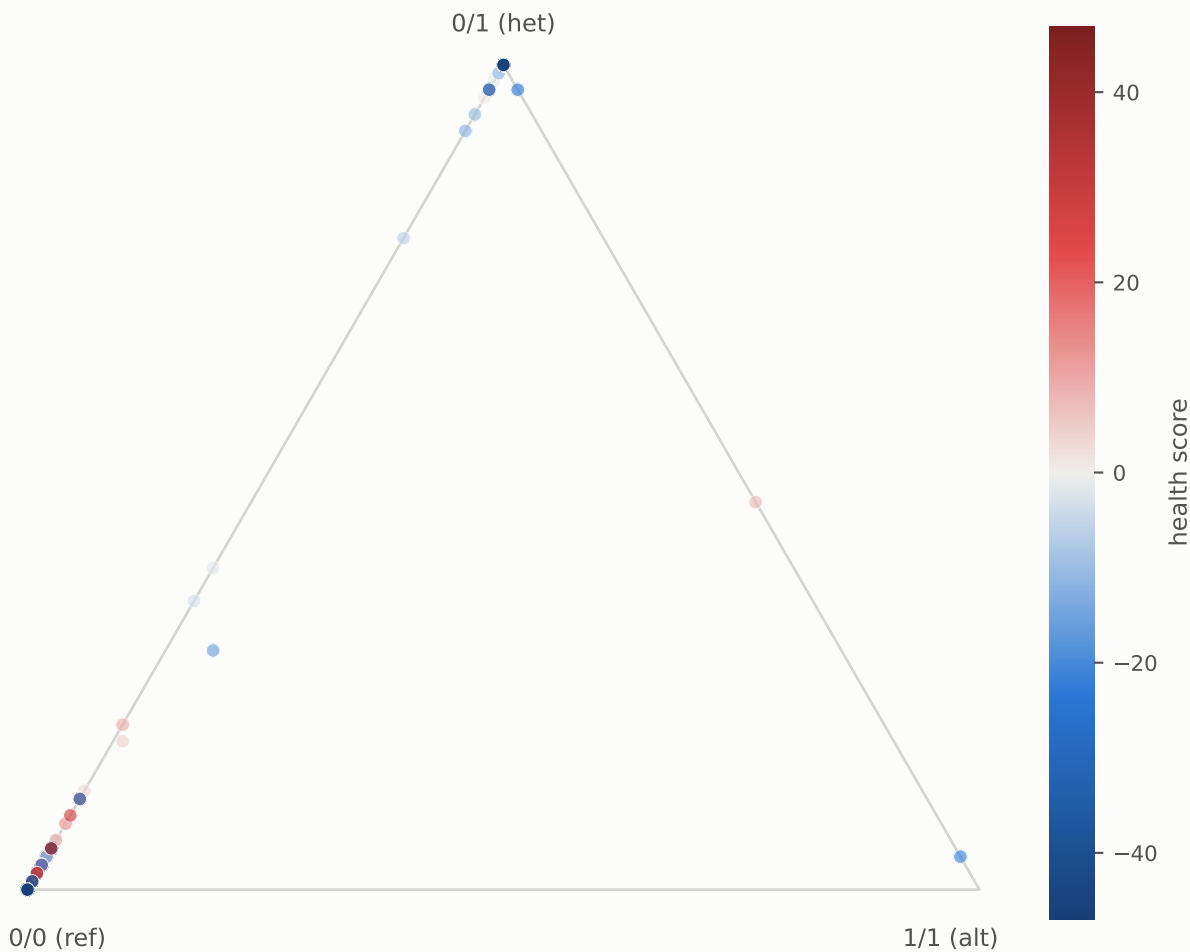
#10 by cluster health separation CHR_14:16,968,567 G>A
AF=0.095 DR2=0.96 r=+0.171 H=0.022 F=20.2



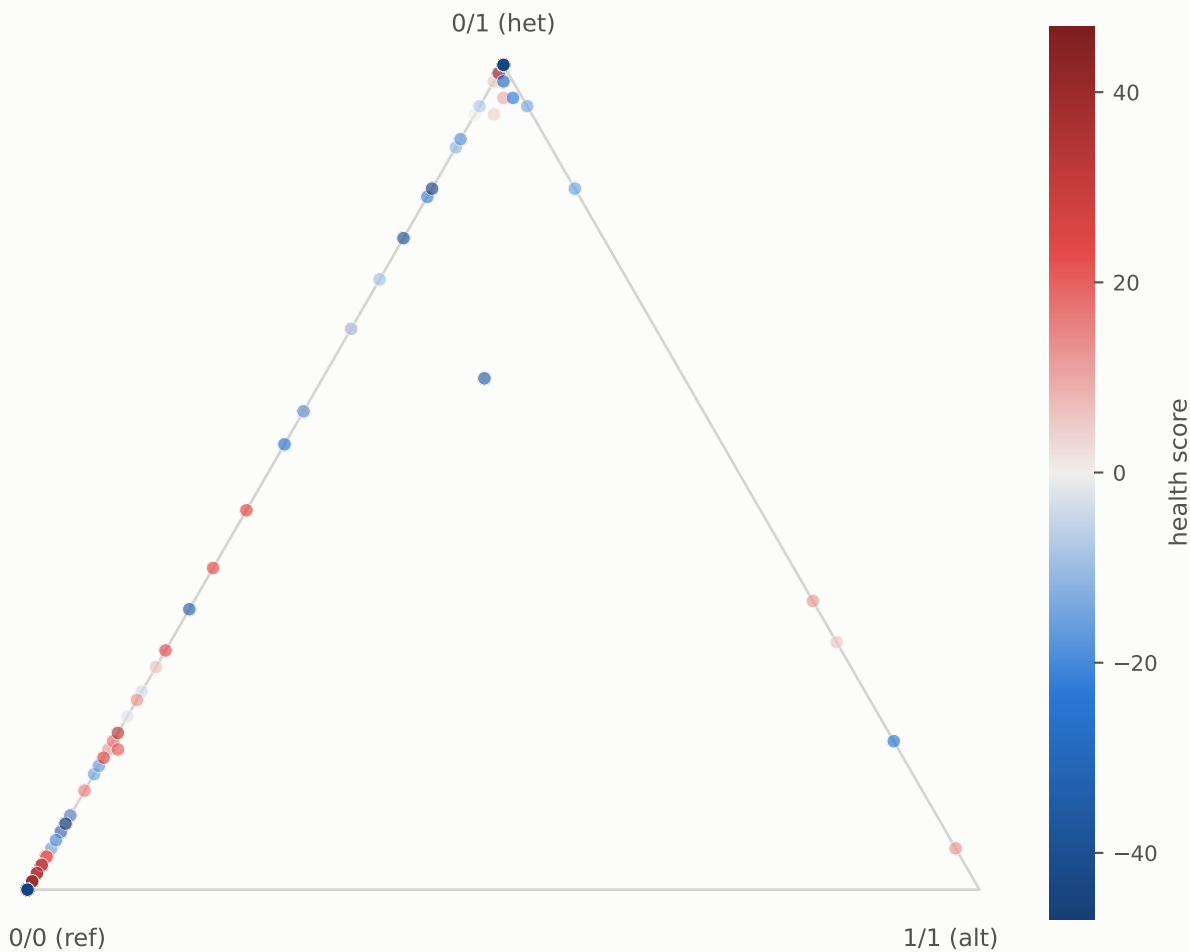
#11 by cluster health separation CHR_19:6,540,365 T>G
AF=0.086 DR2=0.94 $r=+0.207$ $H=0.023$ $F=20.1$



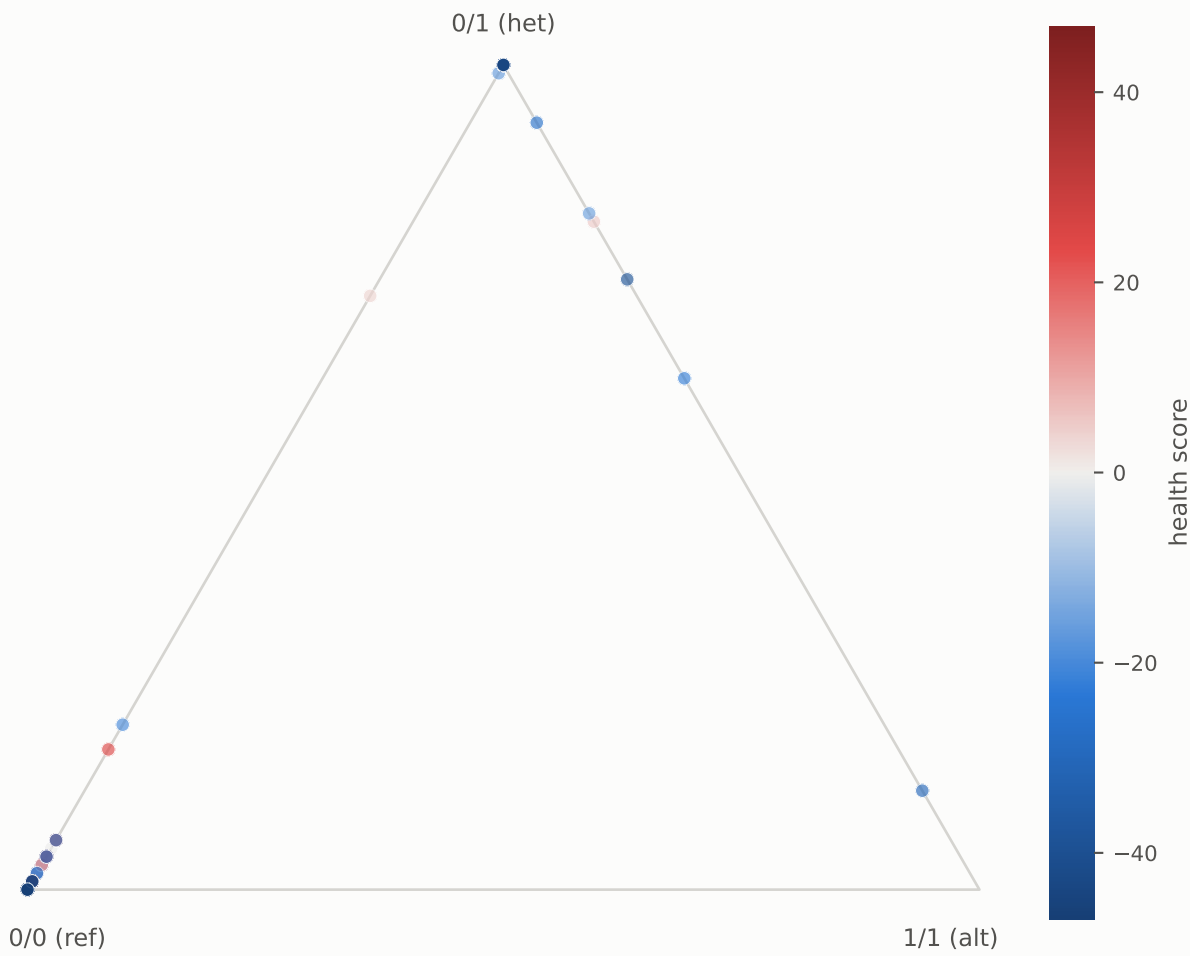
#12 by cluster health separation CHR_23:2,462,866 C>T
AF=0.077 DR2=0.92 r=-0.206 H=0.033 F=19.7



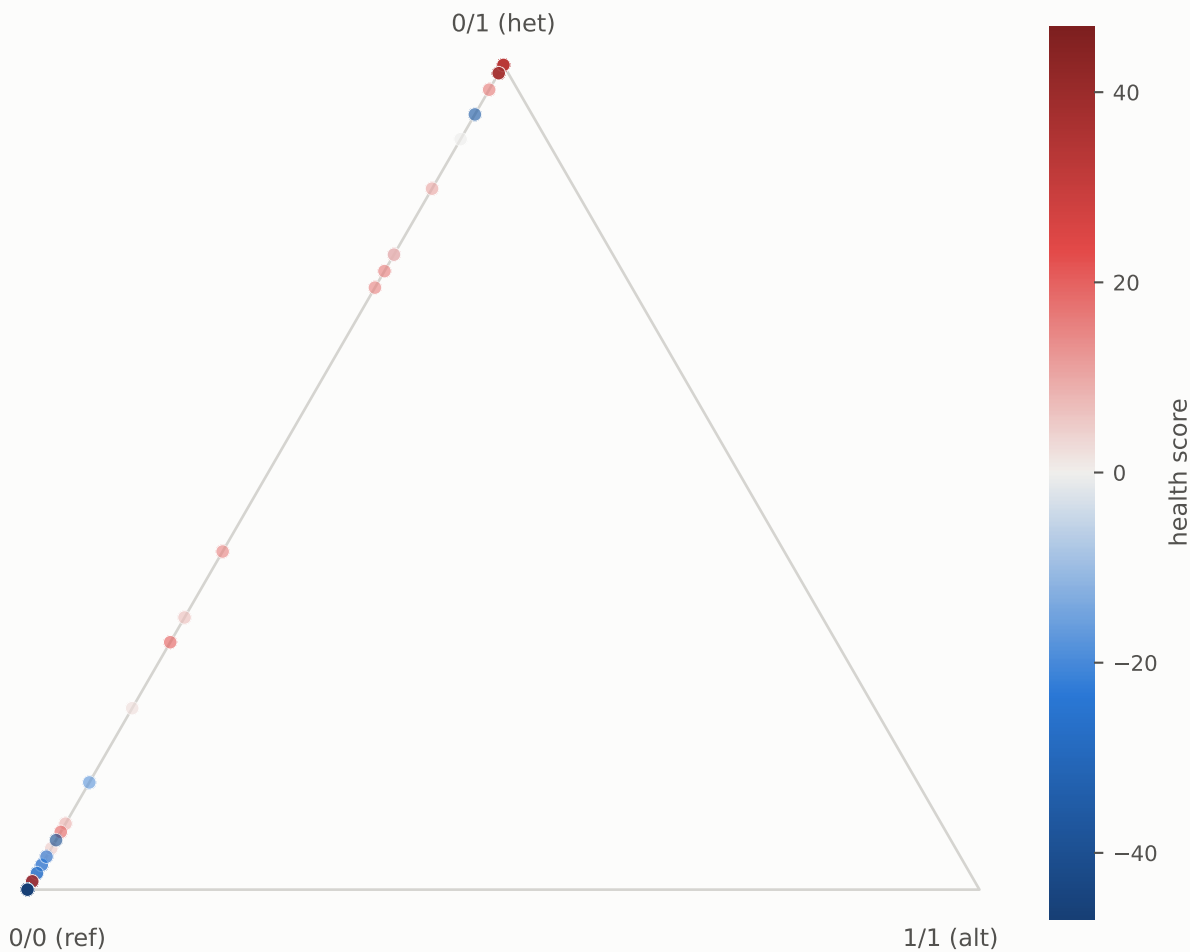
#13 by cluster health separation CHR_06:35,342,126 G>A
AF=0.064 DR2=0.84 $r=-0.161$ $H=0.068$ $F=19.6$



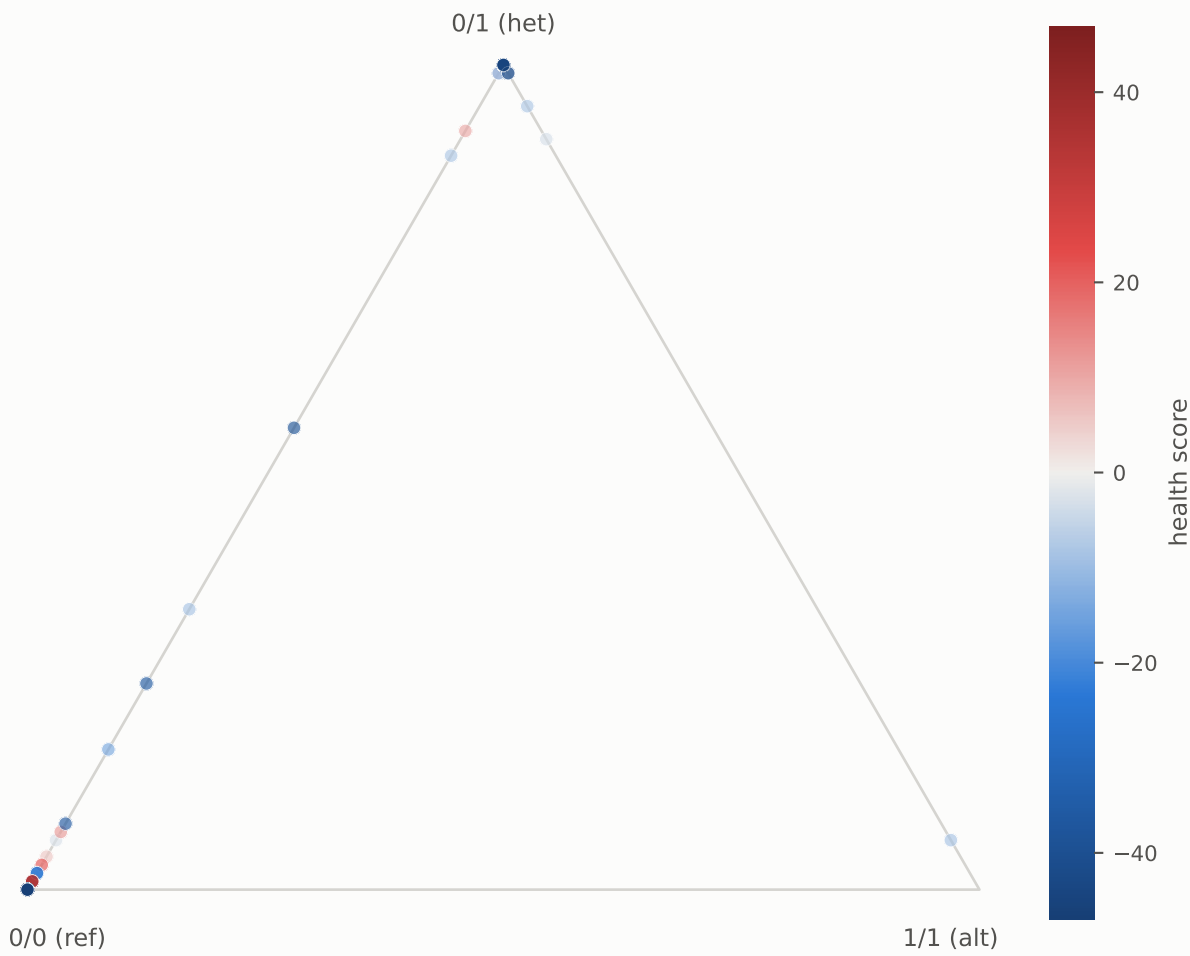
#14 by cluster health separation CHR_21:22,025,501 T>C
AF=0.024 DR2=0.91 r=-0.223 H=0.022 F=19.5



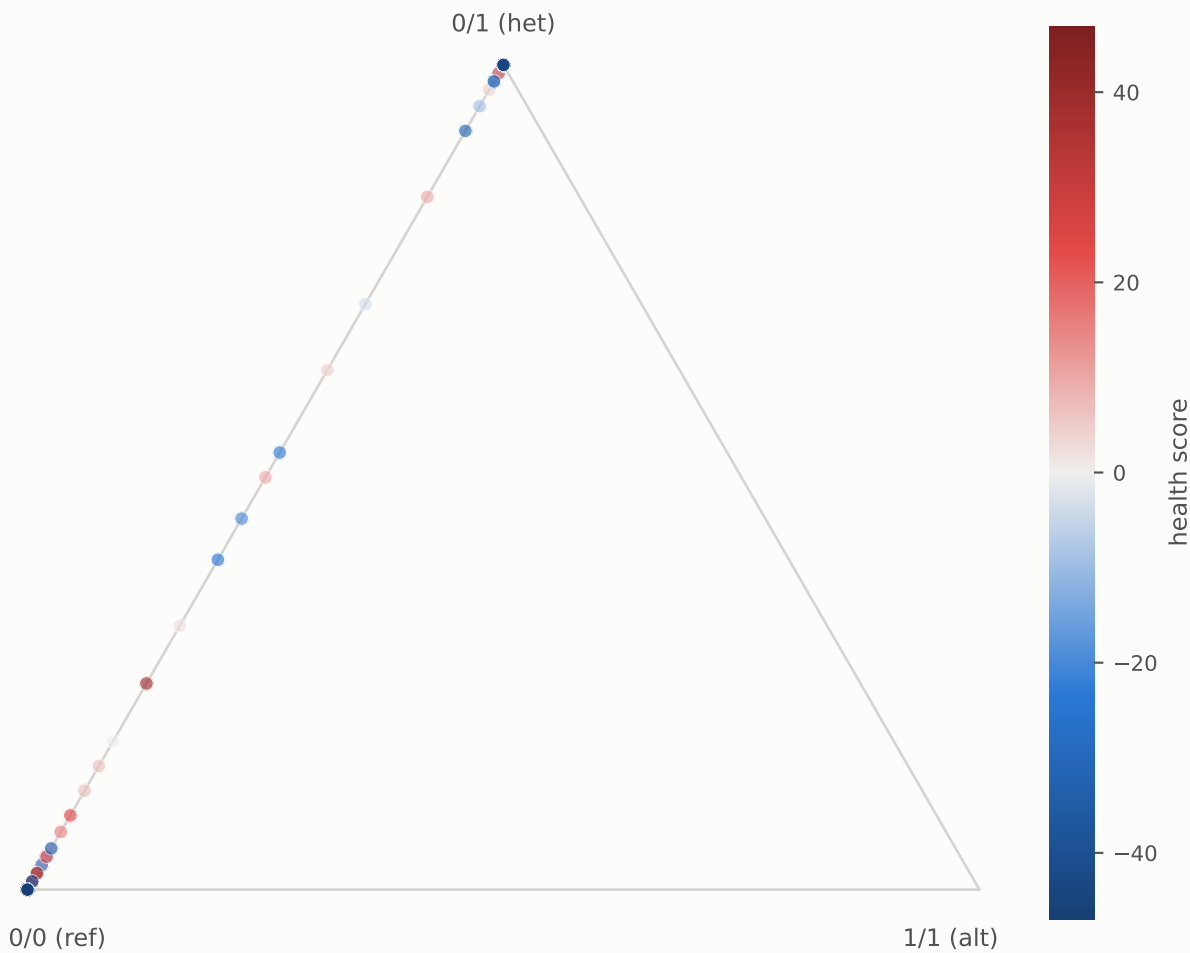
#15 by cluster health separation unpl-scaff_018:32,266 T>C
AF=0.048 DR2=0.92 r=+0.206 H=0.022 F=19.0



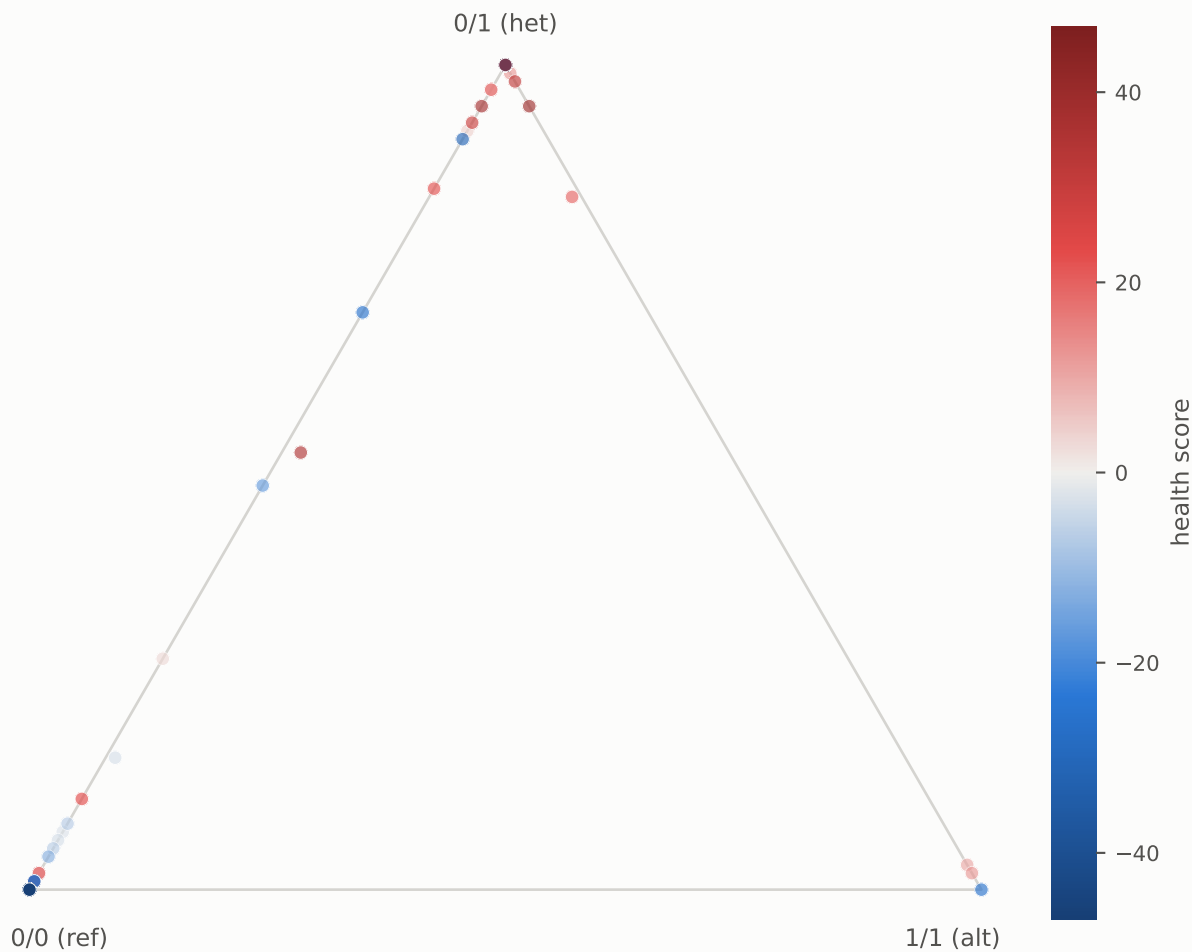
#16 by cluster health separation CHR_03:37,004,667 A>T
AF=0.046 DR2=0.96 r=-0.200 H=0.014 F=18.7



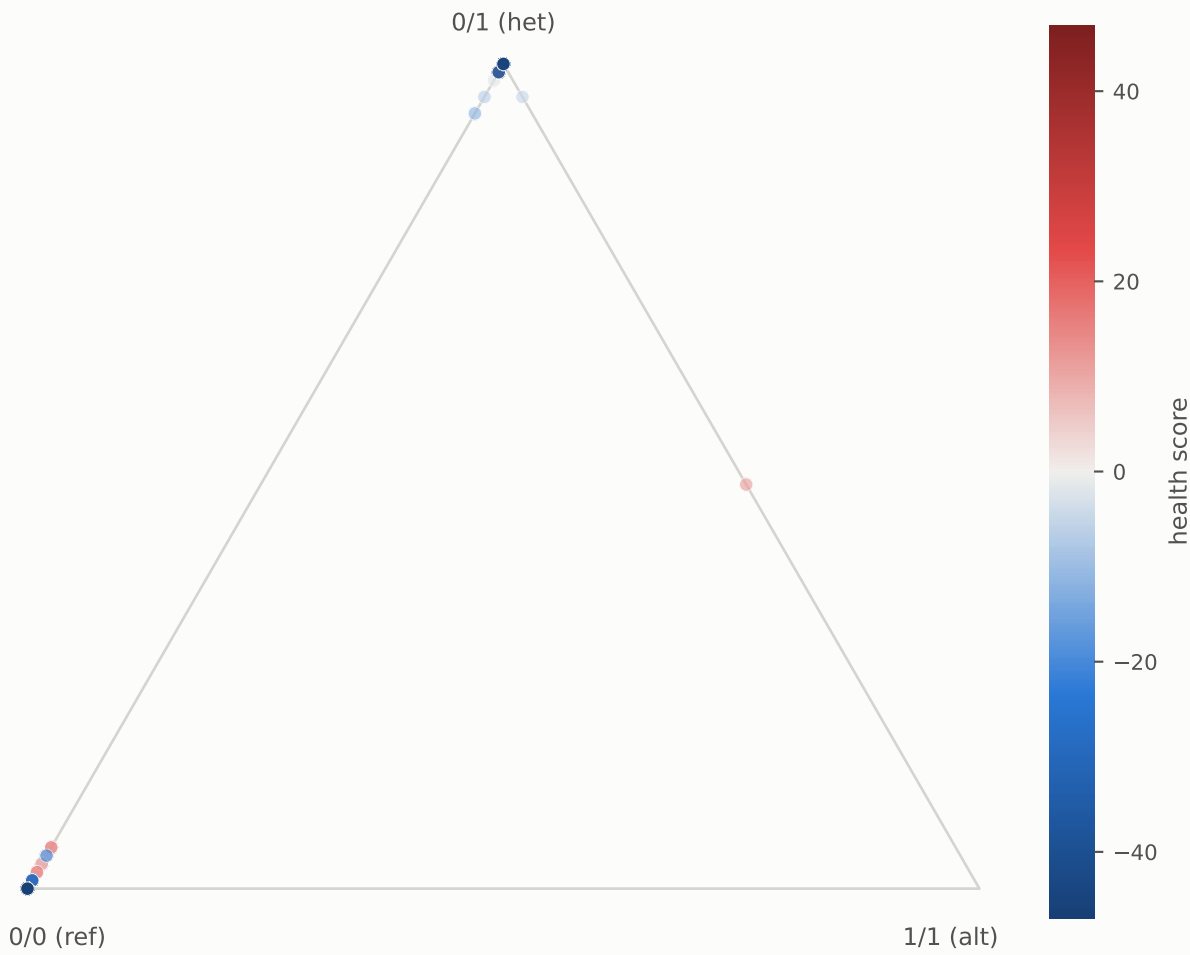
#17 by cluster health separation CHR_16:13,389,482 T>C
AF=0.046 DR2=0.92 r=-0.199 H=0.025 F=18.7



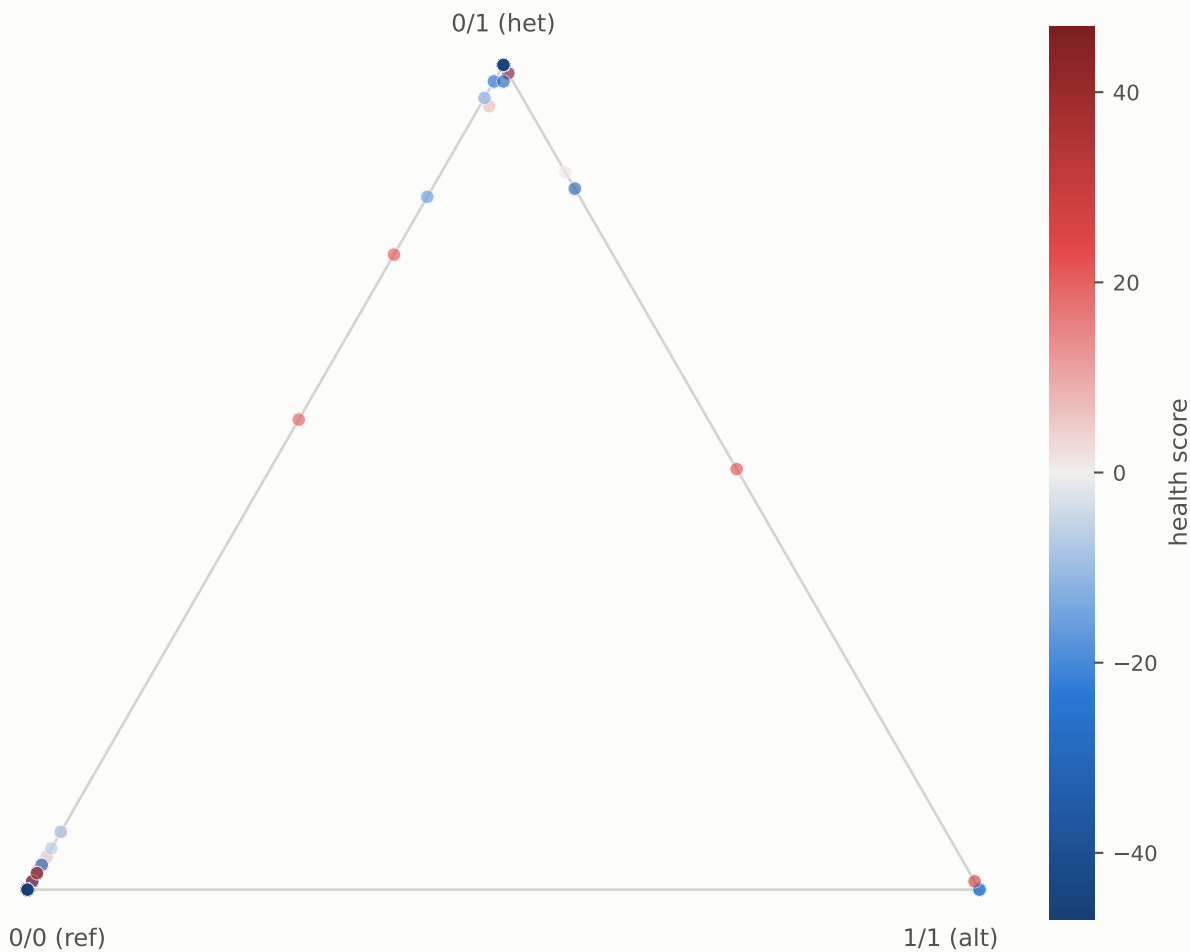
#18 by cluster health separation CHR_05:1,002,204 A>G
AF=0.062 DR2=0.95 r=+0.179 H=0.019 F=18.6



#19 by cluster health separation CHR_18:18,968,414 T>C
AF=0.04 DR2=0.96 r=-0.186 H=0.009 F=18.5



#20 by cluster health separation CHR_11:11,099,796 A>G
AF=0.068 DR2=0.94 r=-0.191 H=0.016 F=18.5



0/1 (het)

0/0 (ref)

1/1 (alt)

health score

40

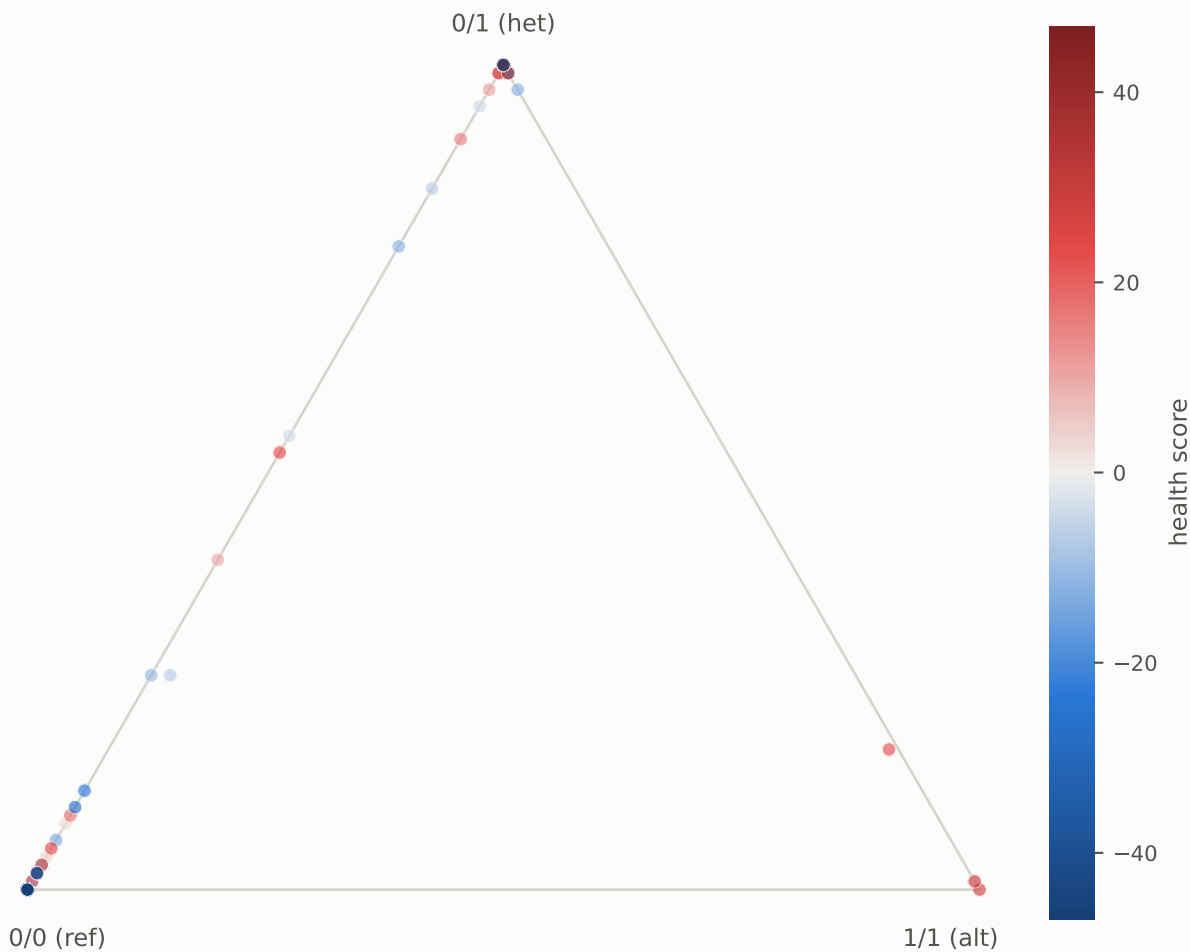
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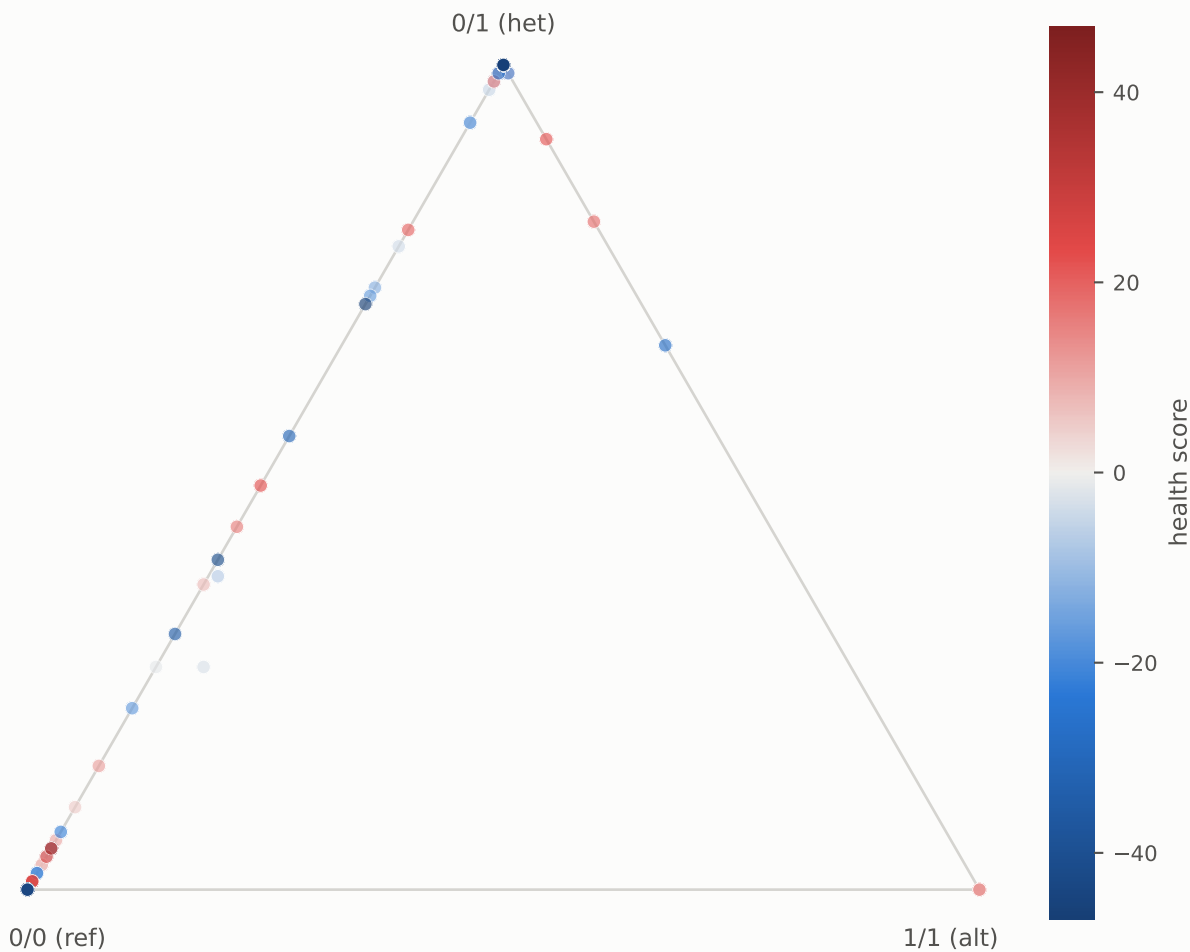
-20

-40

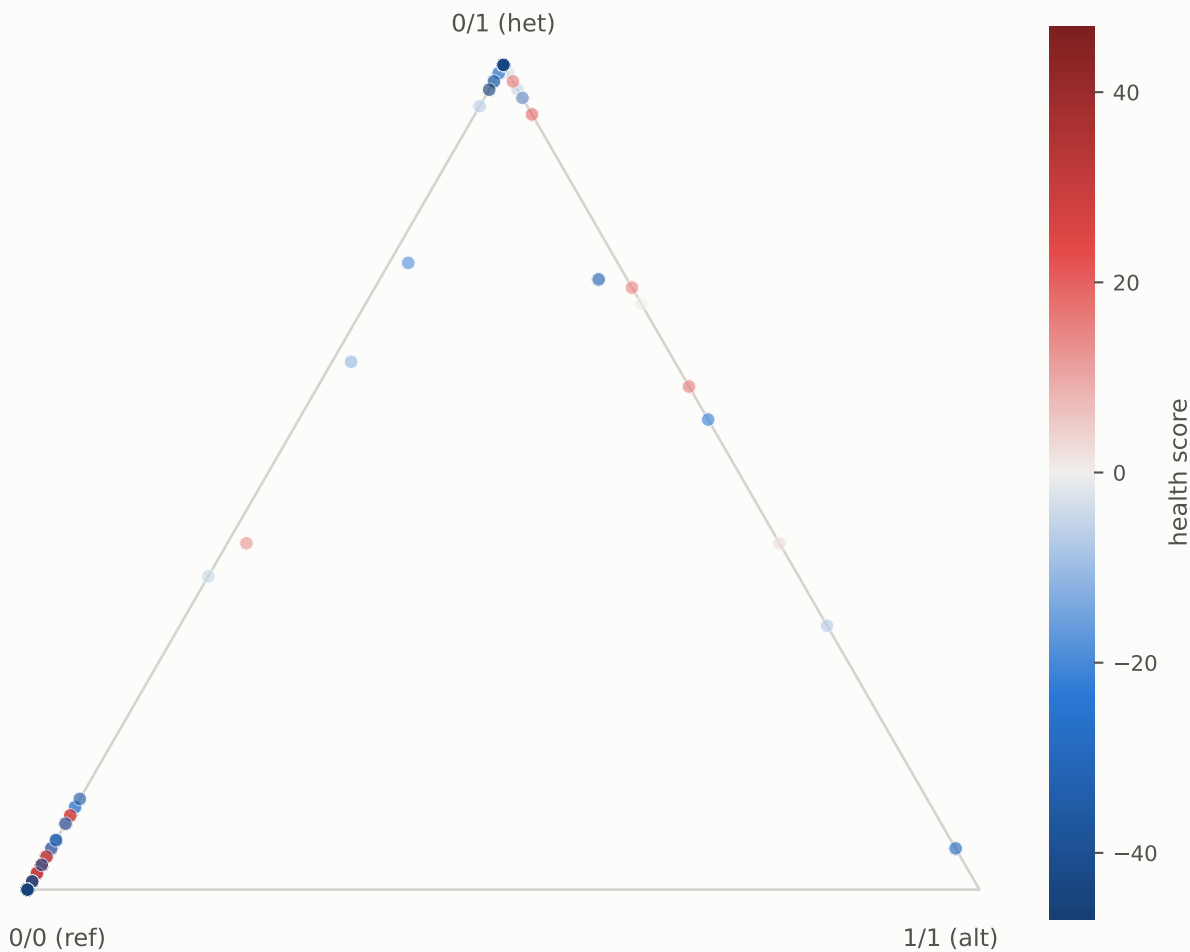
#22 by cluster health separation CHR_04:41,248,267 C>T
AF=0.079 DR2=0.95 $r=+0.224$ $H=0.020$ $F=18.5$



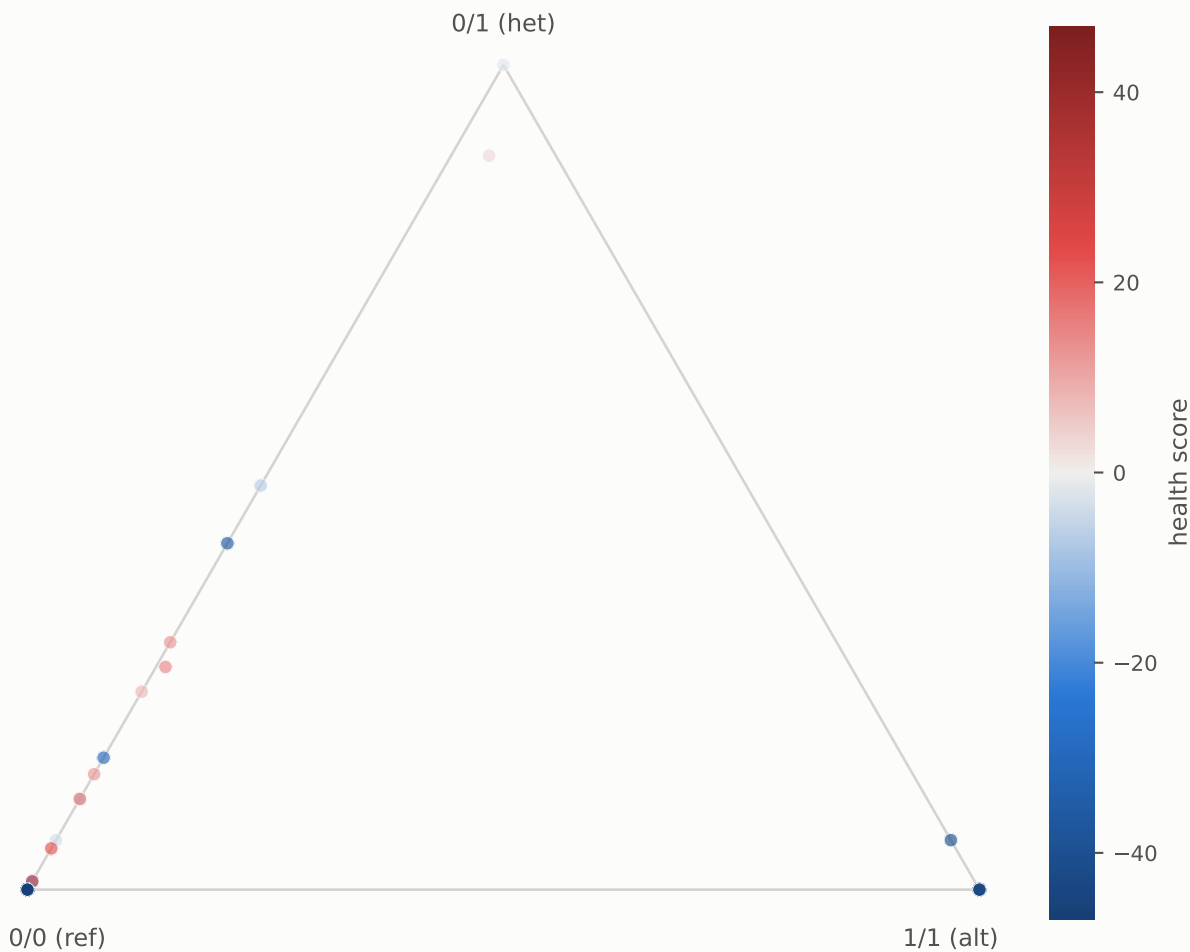
#23 by cluster health separation CHR_01:46,326,064 C>G
AF=0.1 DR2=0.94 r=-0.167 H=0.035 F=18.5



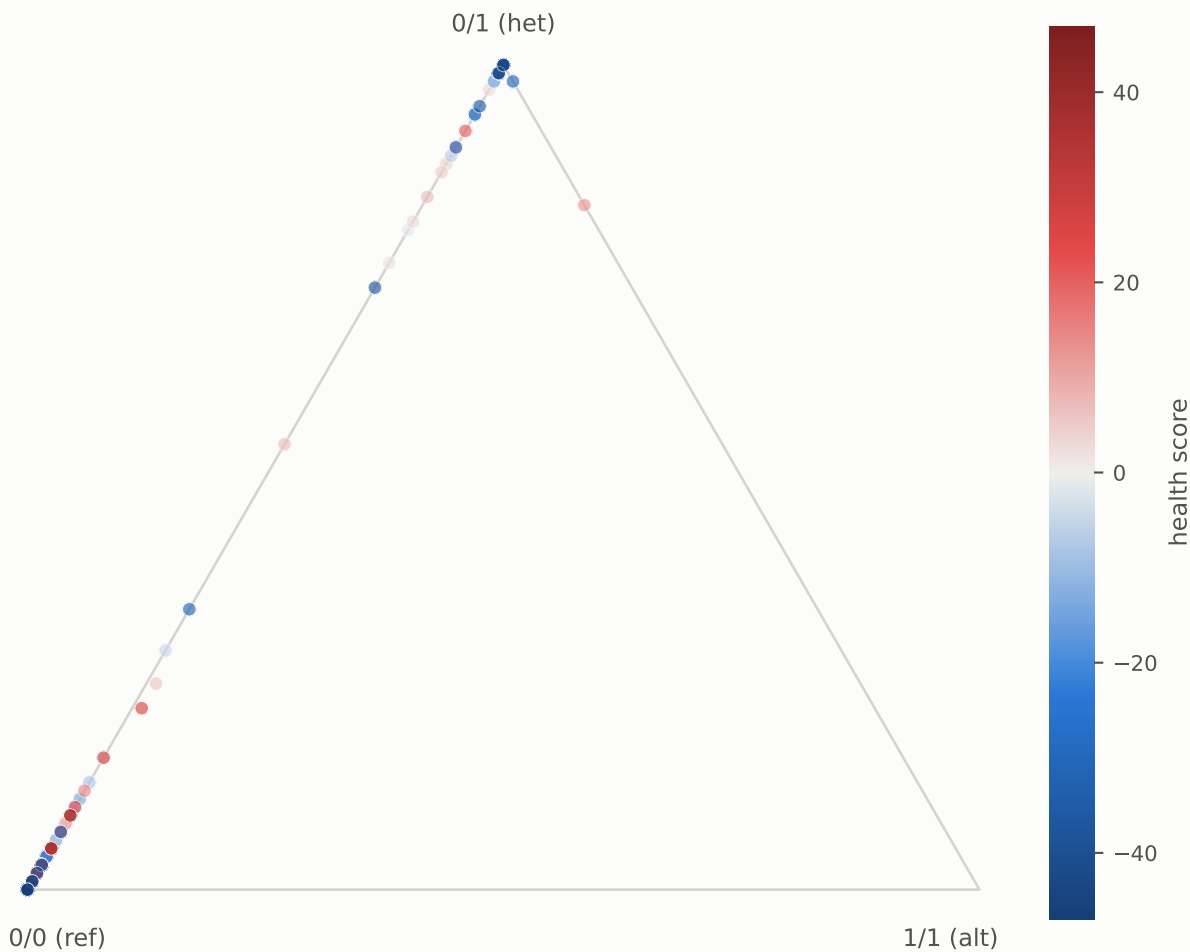
#24 by cluster health separation CHR_10:29,667,979 C>T
AF=0.092 DR2=0.9 r=-0.203 H=0.046 F=18.4



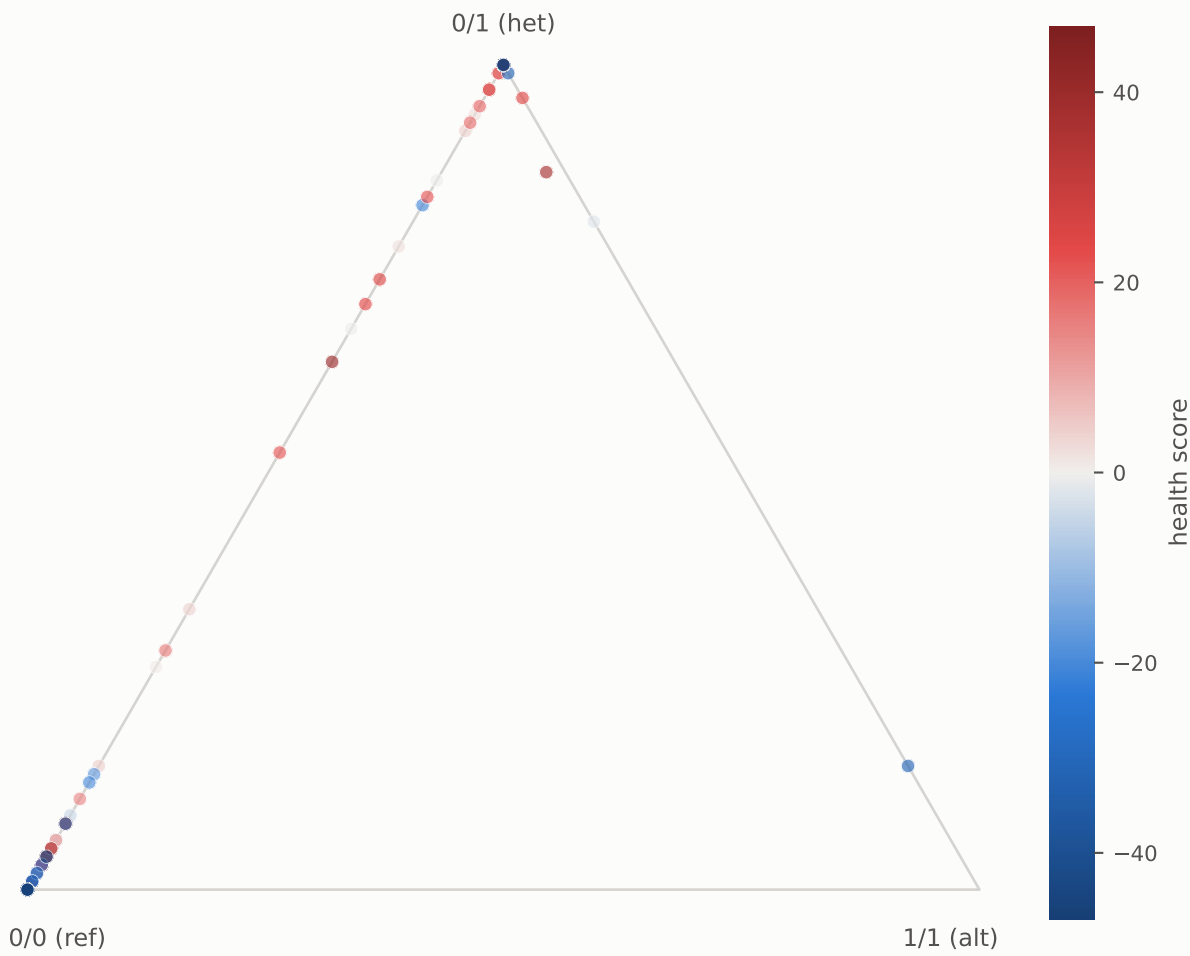
#25 by cluster health separation CHR_07:11,817,889 G>A
AF=0.014 DR2=0.92 r=-0.193 H=0.013 F=18.4



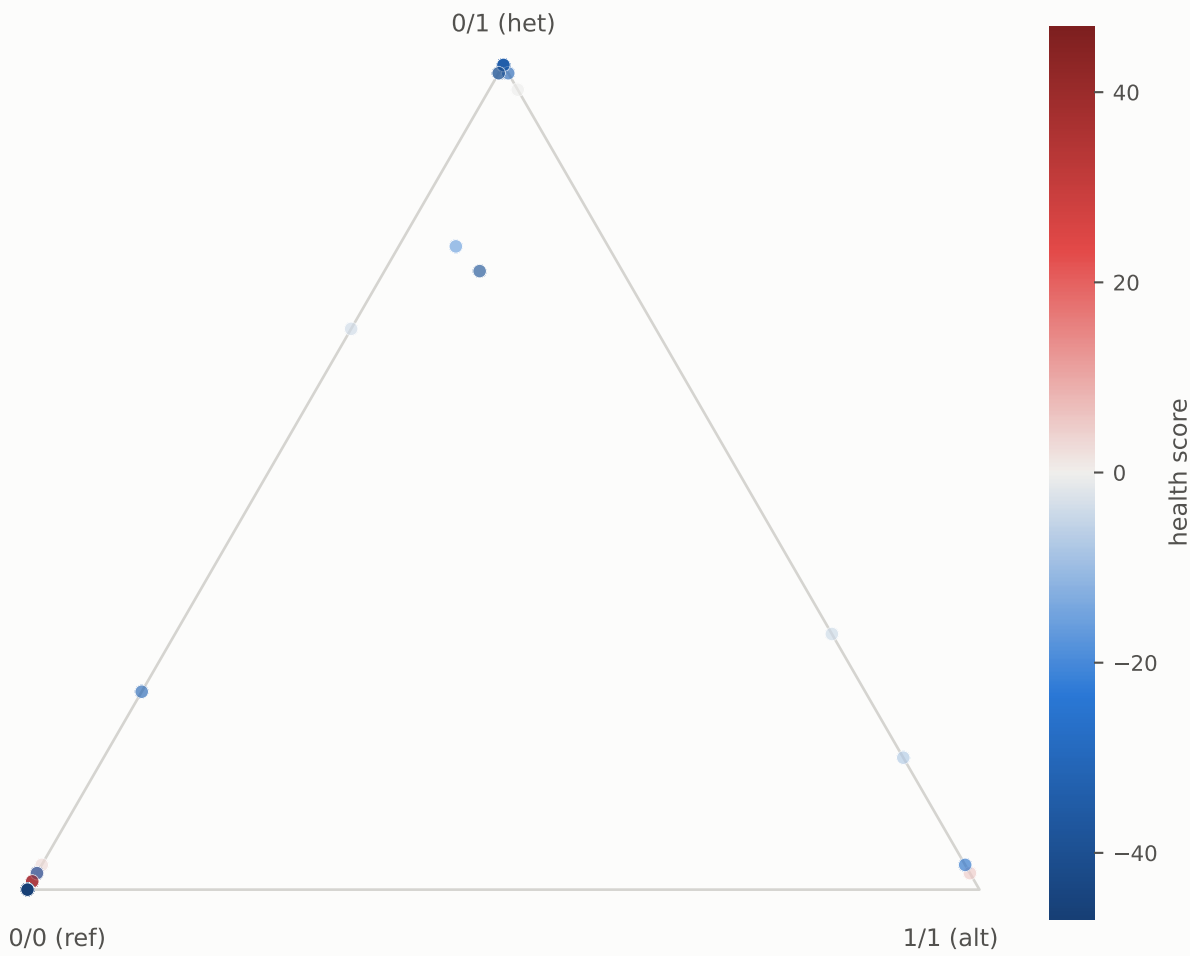
#26 by cluster health separation CHR_22:7,317,076 C>T
AF=0.054 DR2=0.84 r=-0.198 H=0.058 F=18.4



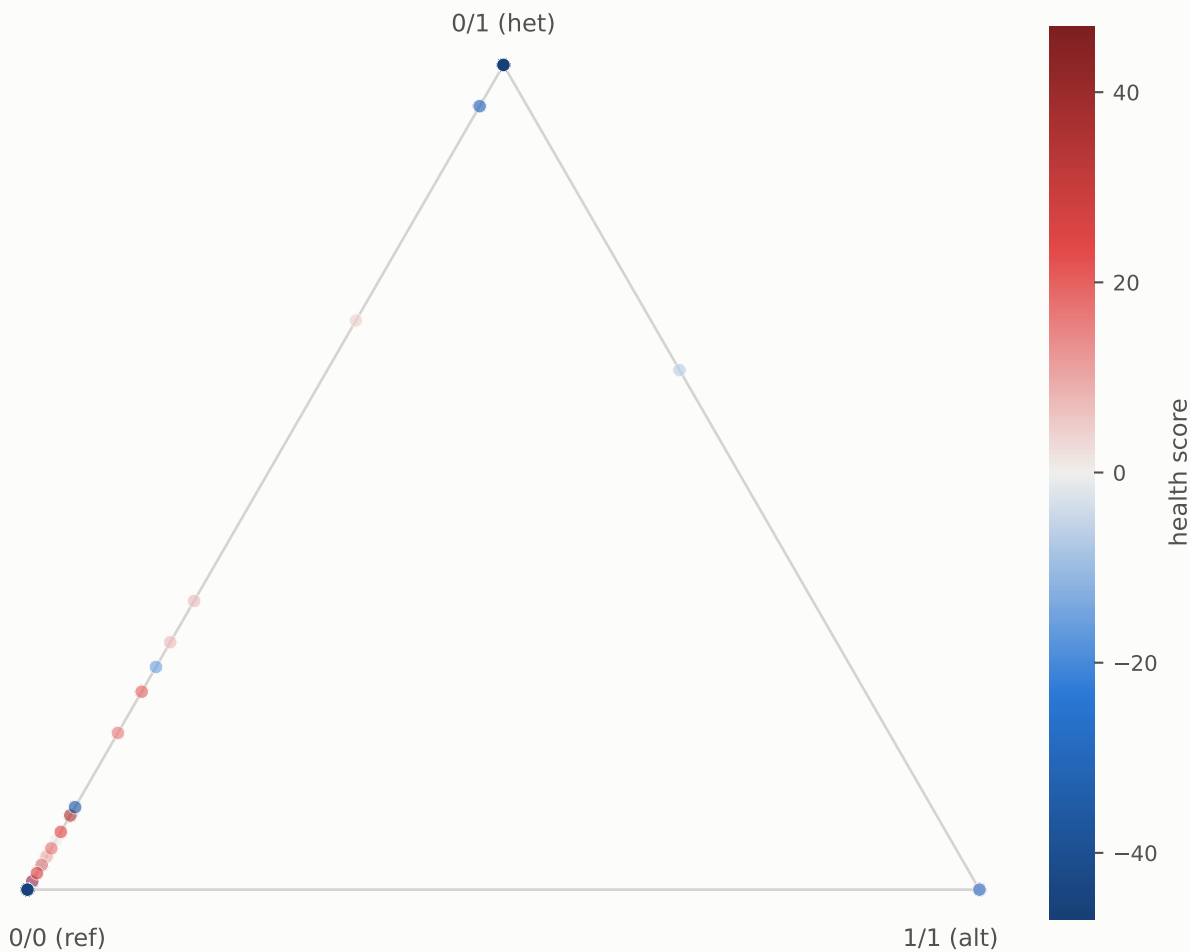
#27 by cluster health separation CHR_02:14,276,676 G>A
AF=0.093 DR2=0.93 r=+0.172 H=0.041 F=18.4



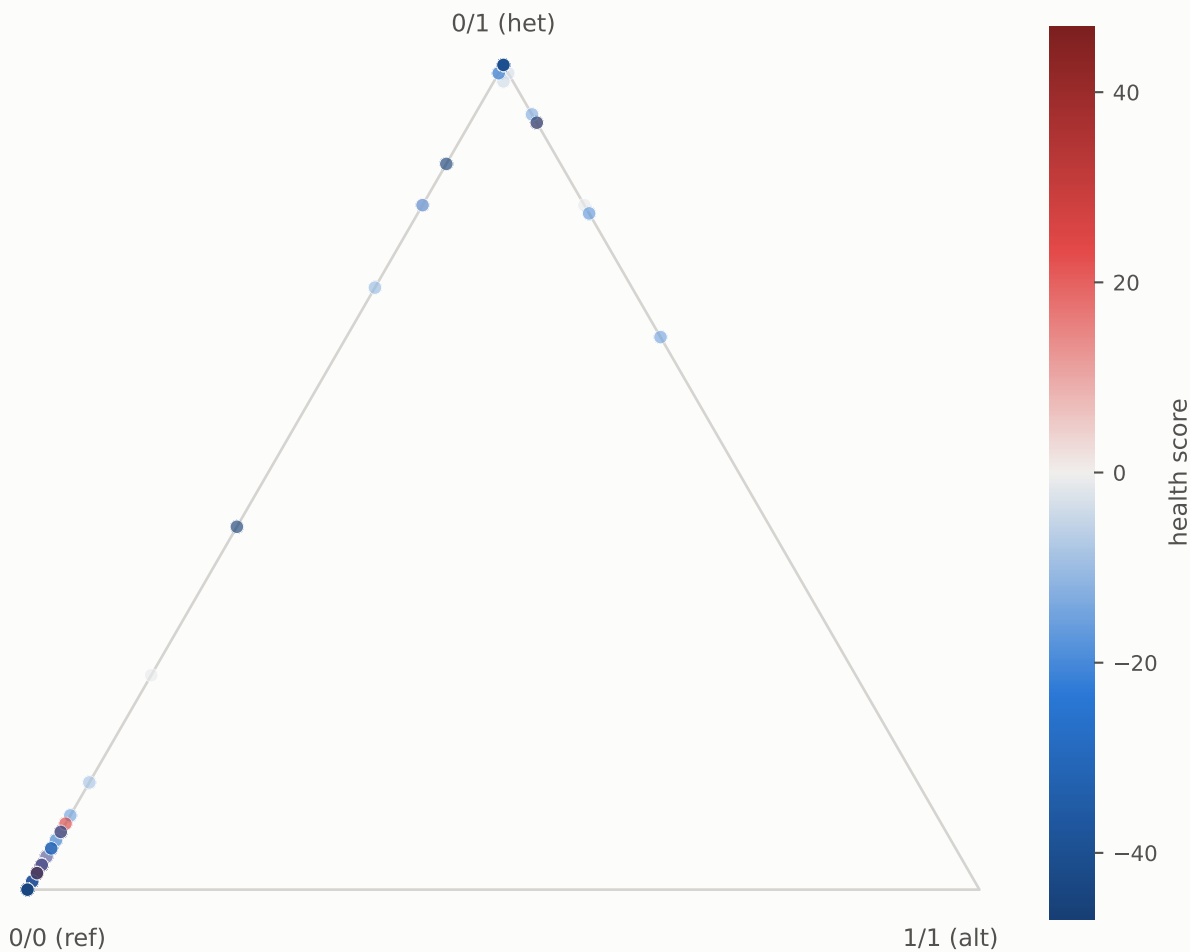
#28 by cluster health separation CHR_21:22,013,806 G>C
AF=0.022 DR2=0.93 r=-0.179 H=0.012 F=18.3



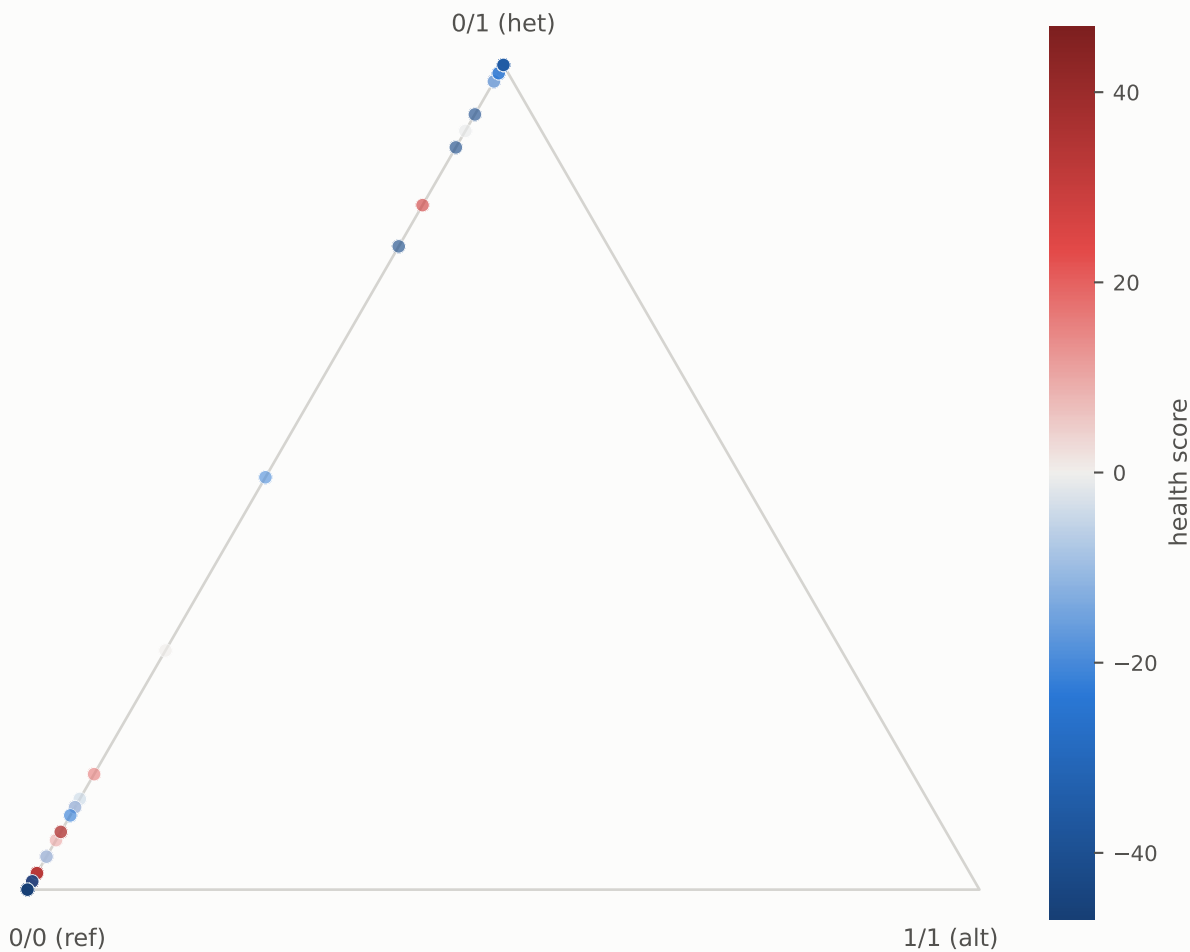
#29 by cluster health separation CHR_11:22,605,240 G>A
AF=0.065 DR2=0.96 r=-0.184 H=0.015 F=18.2



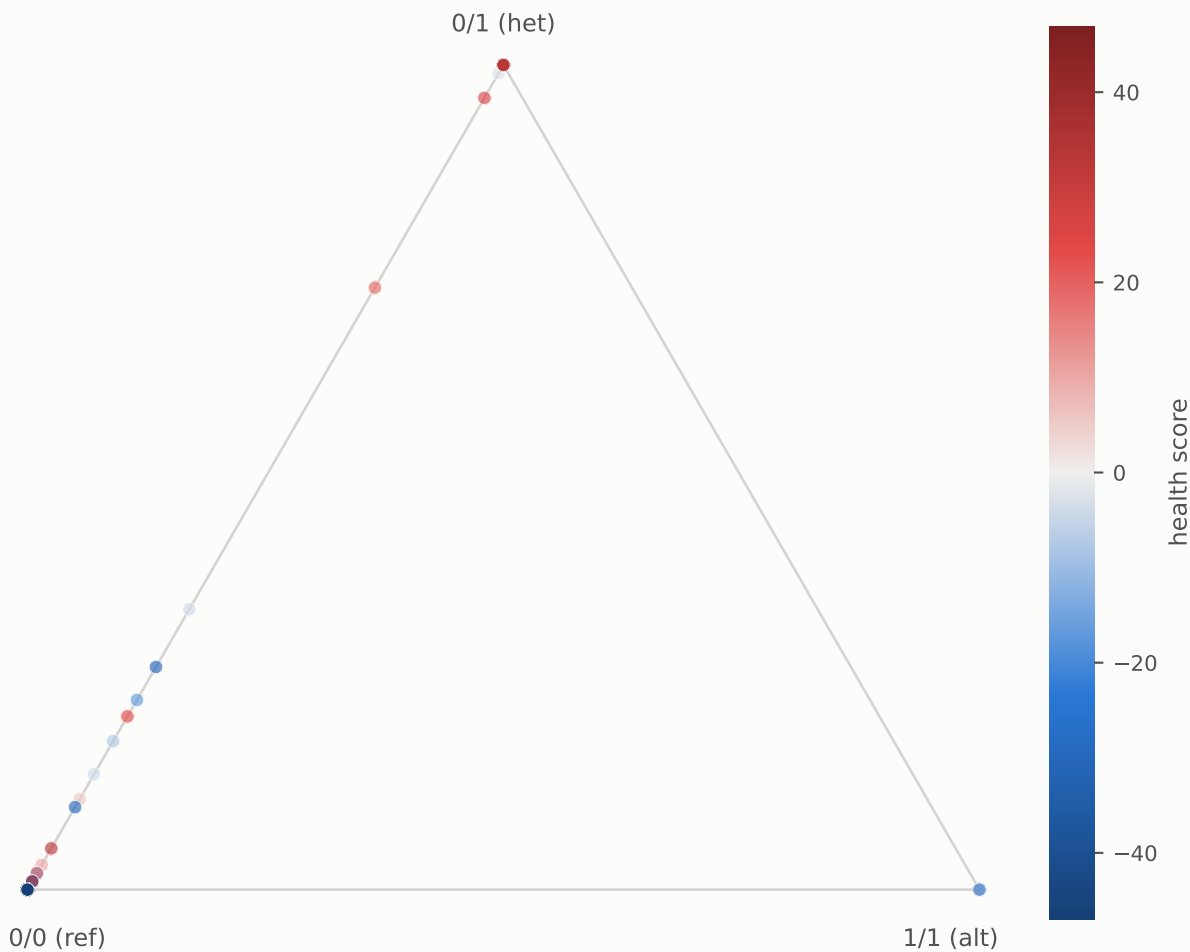
#30 by cluster health separation CHR_01:3,660,231 G>A
AF=0.034 DR2=0.84 r=-0.207 H=0.039 F=18.2



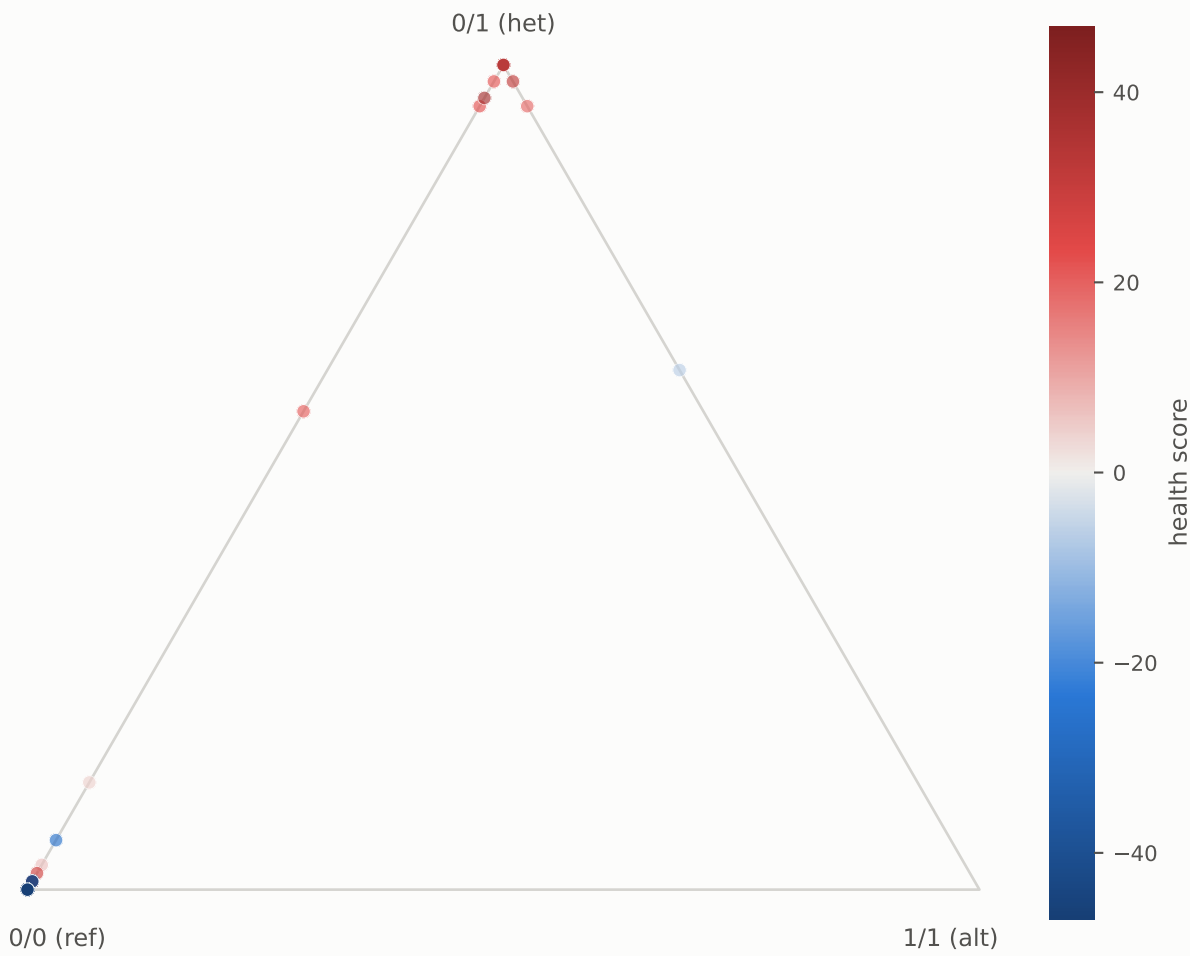
#31 by cluster health separation CHR_03:11,338,449 G>T
AF=0.037 DR2=0.92 r=-0.197 H=0.019 F=18.2



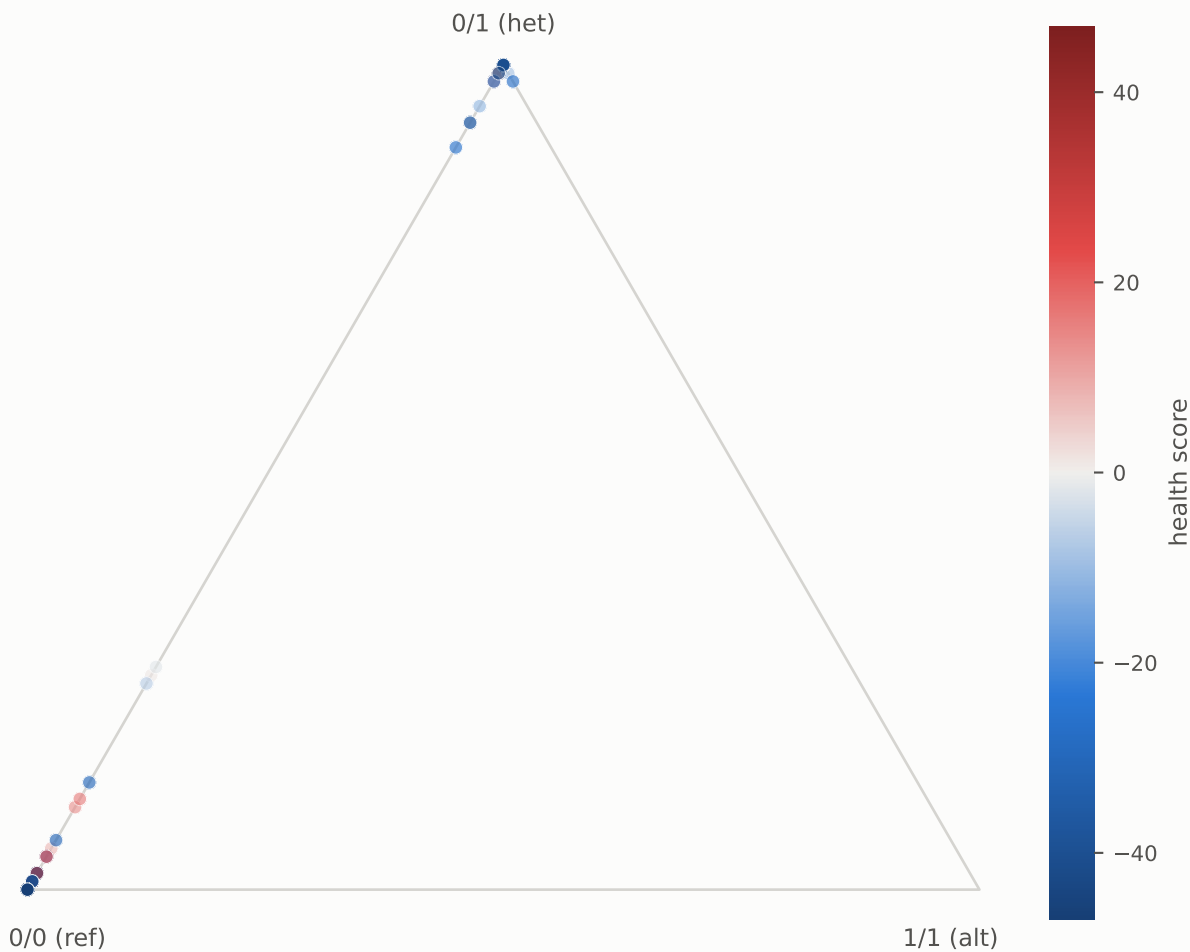
#32 by cluster health separation CHR_03:18,948,760 G>A
AF=0.049 DR2=0.95 $r=+0.160$ $\bar{H}=0.014$ F=18.1



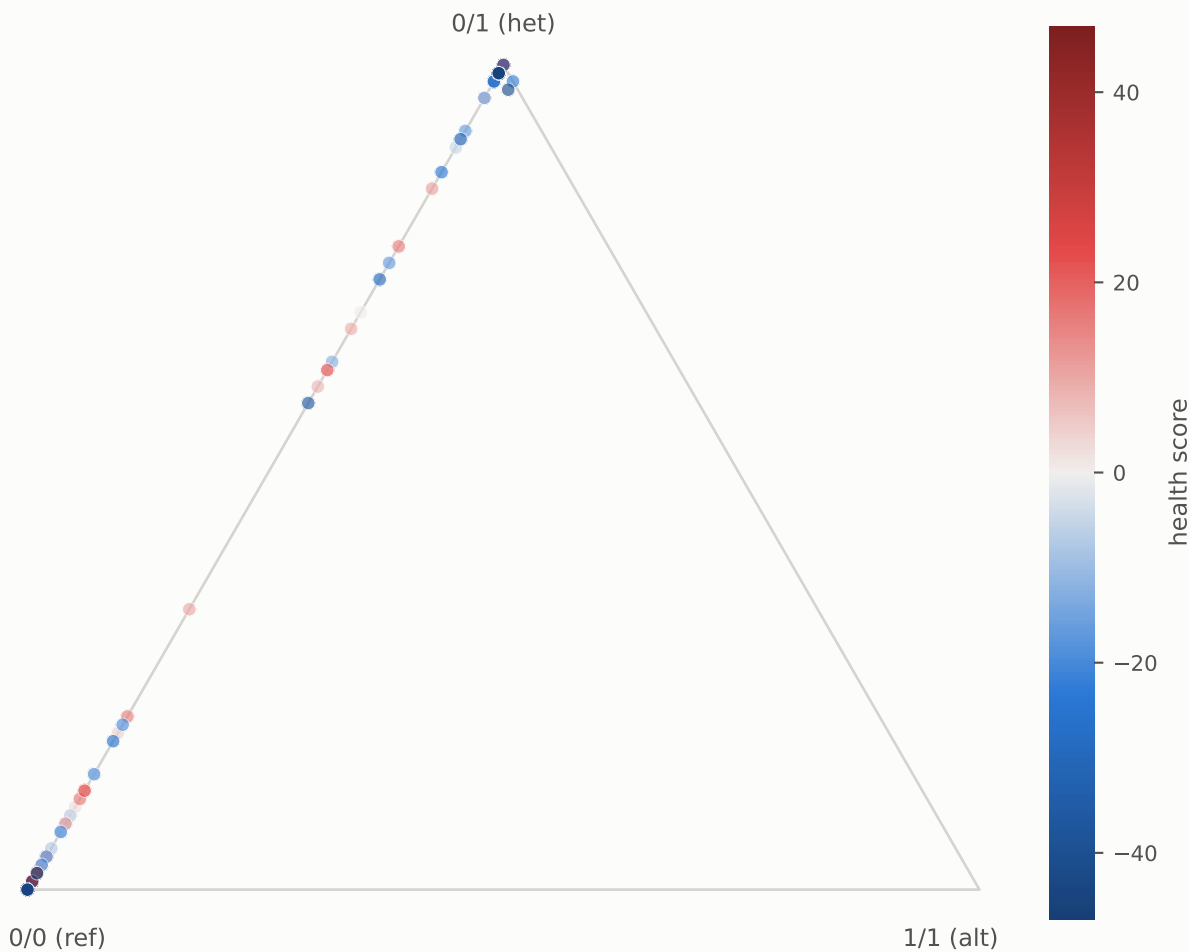
#33 by cluster health separation CHR_01:38,768,261 C>A
AF=0.012 DR2=0.85 r=+0.187 H=0.012 F=17.9



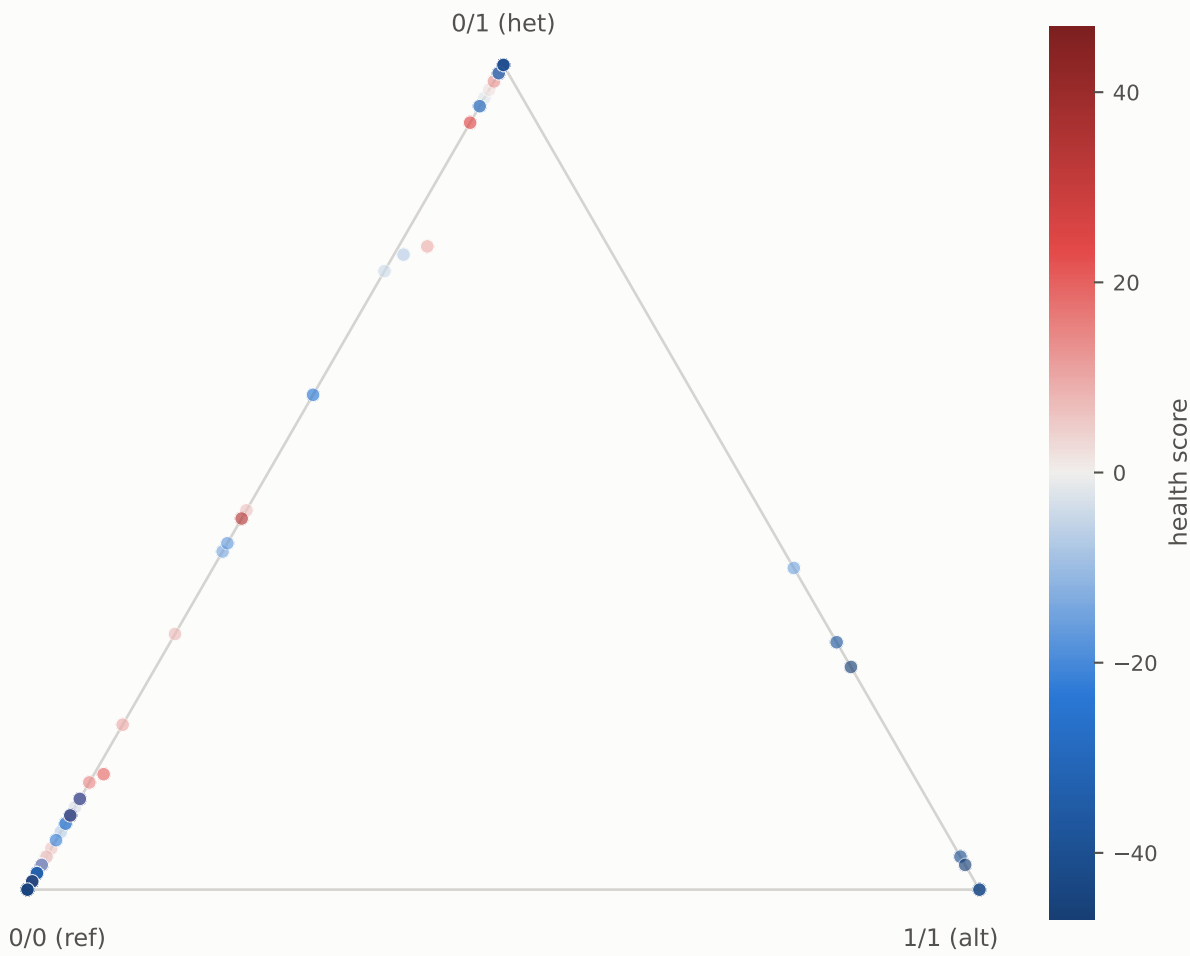
#34 by cluster health separation CHR_03:21,006,868 G>A
AF=0.051 DR2=0.95 r=-0.197 H=0.017 F=17.8



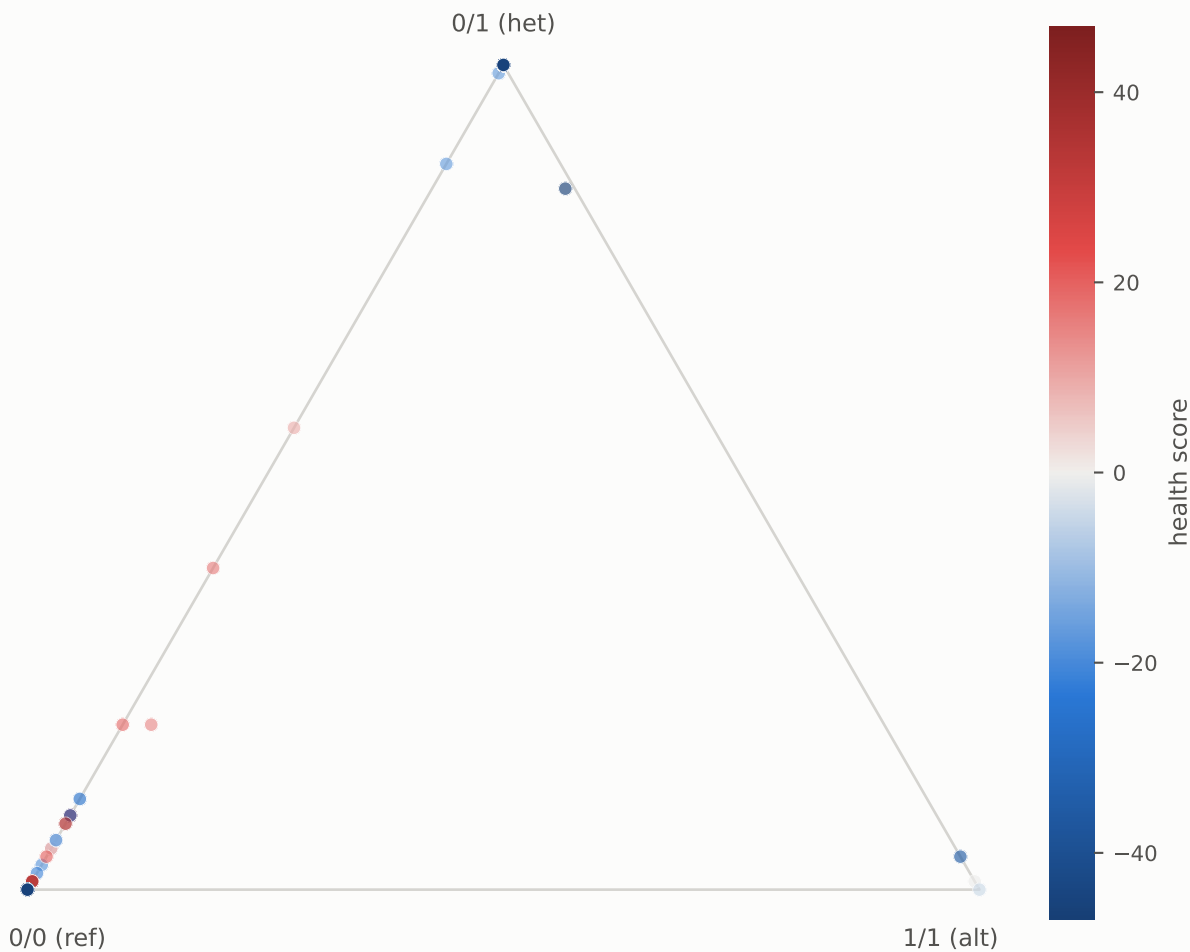
#35 by cluster health separation unpl-scaff_074:35,951 G>A
AF=0.07 DR2=0.89 r=-0.201 H=0.043 F=17.8



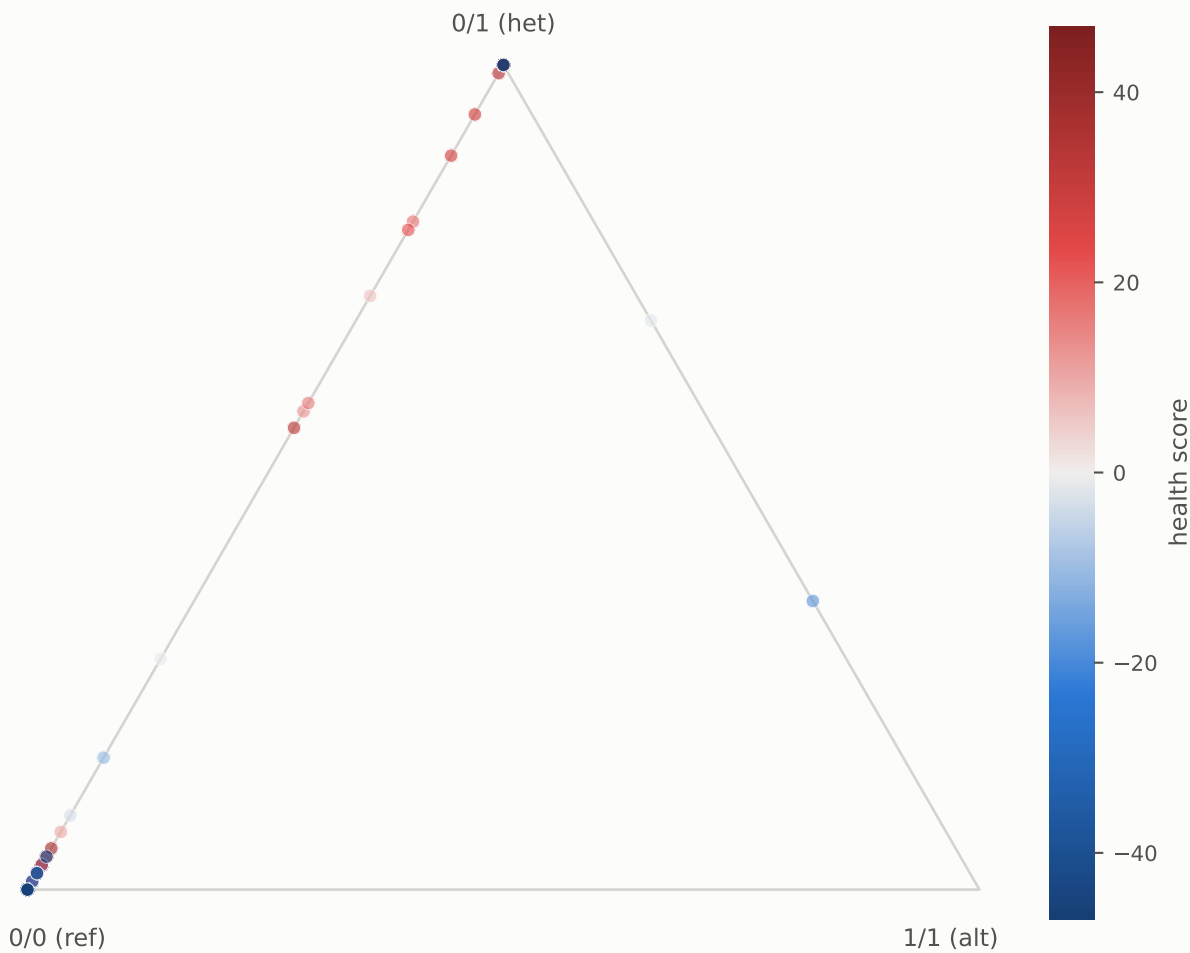
#36 by cluster health separation CHR_10:30,710,845 A>G
AF=0.064 DR2=0.9 r=-0.206 H=0.041 F=17.8



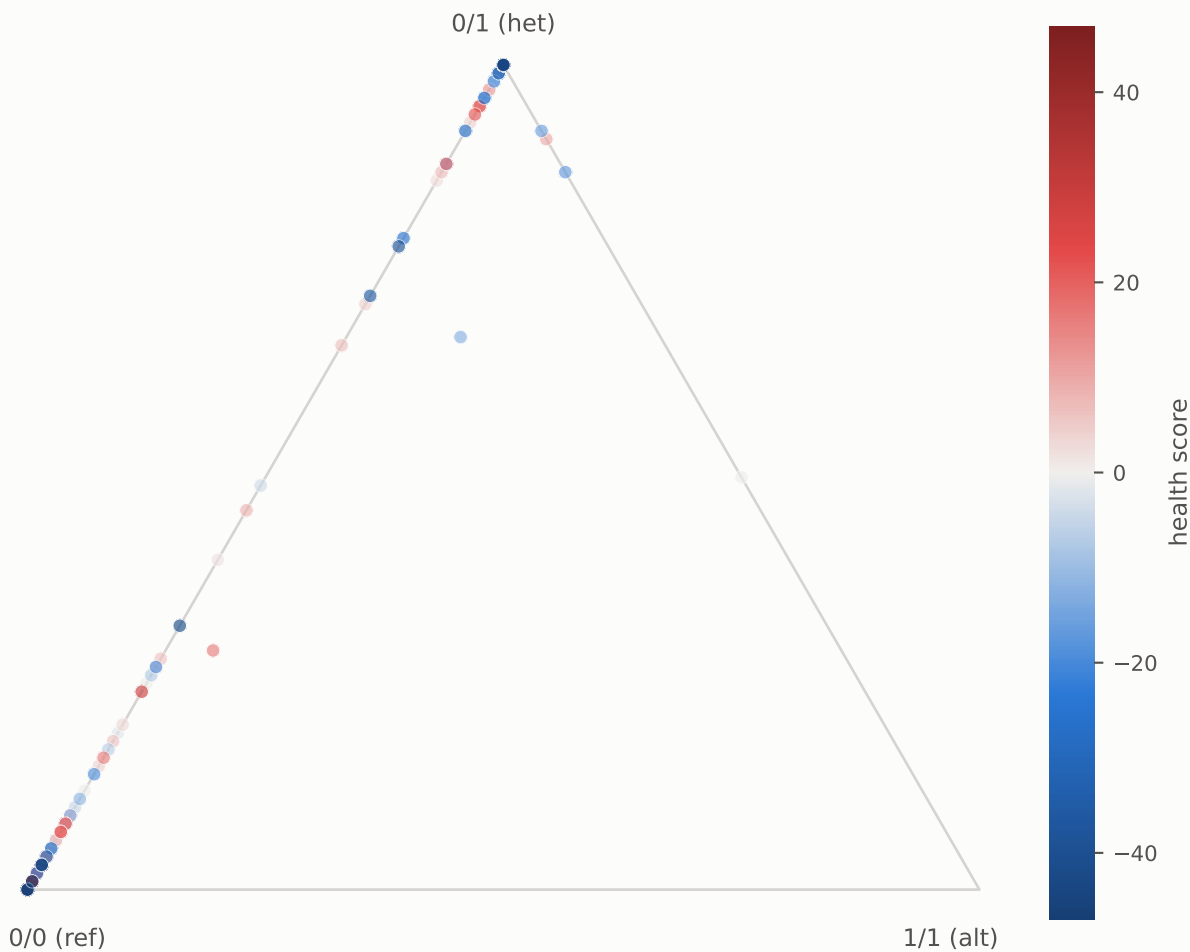
#37 by cluster health separation CHR_09:10,413,406 T>A
AF=0.048 DR2=0.96 r=-0.200 H=0.016 F=17.7



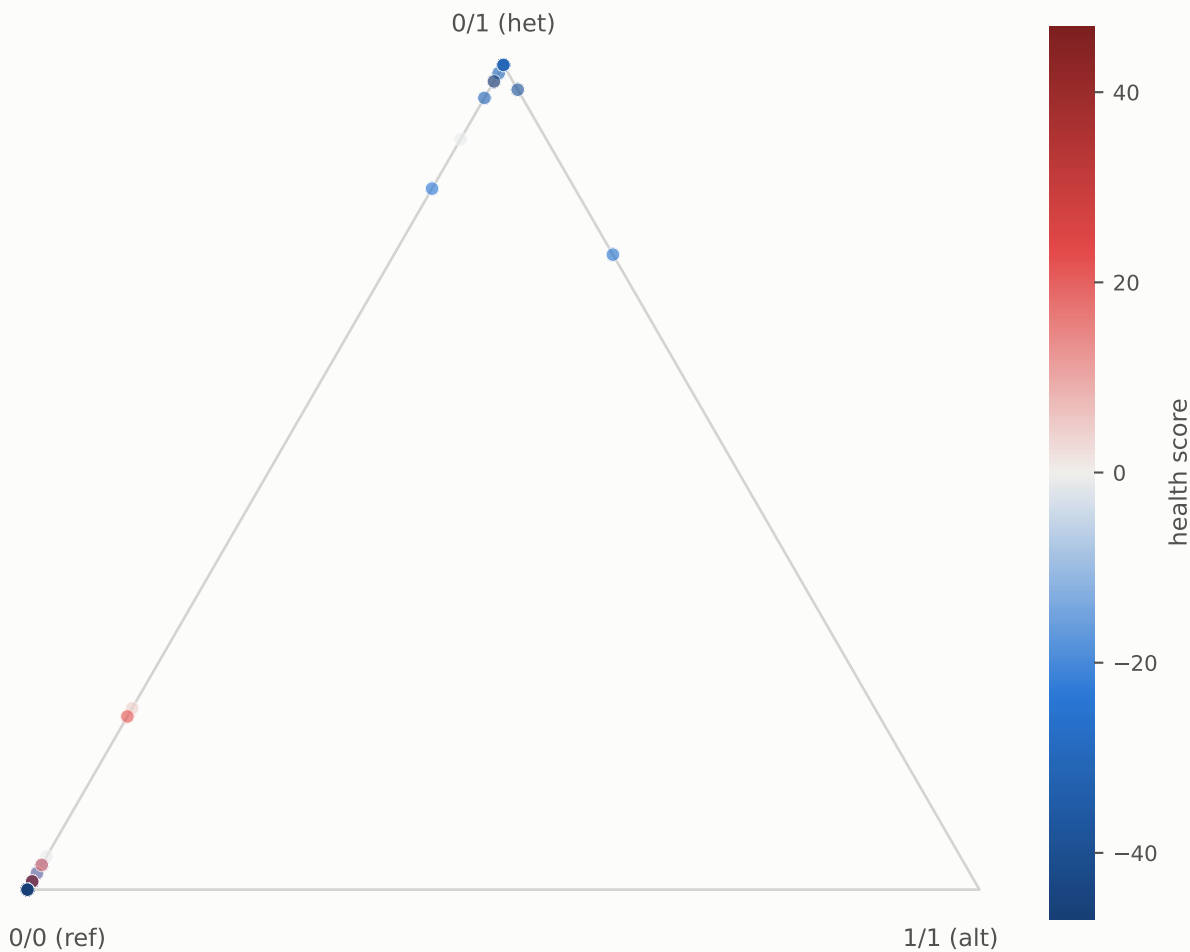
#38 by cluster health separation CHR_02:45,838,883 A>G
AF=0.058 DR2=0.93 r=+0.170 H=0.027 F=17.7



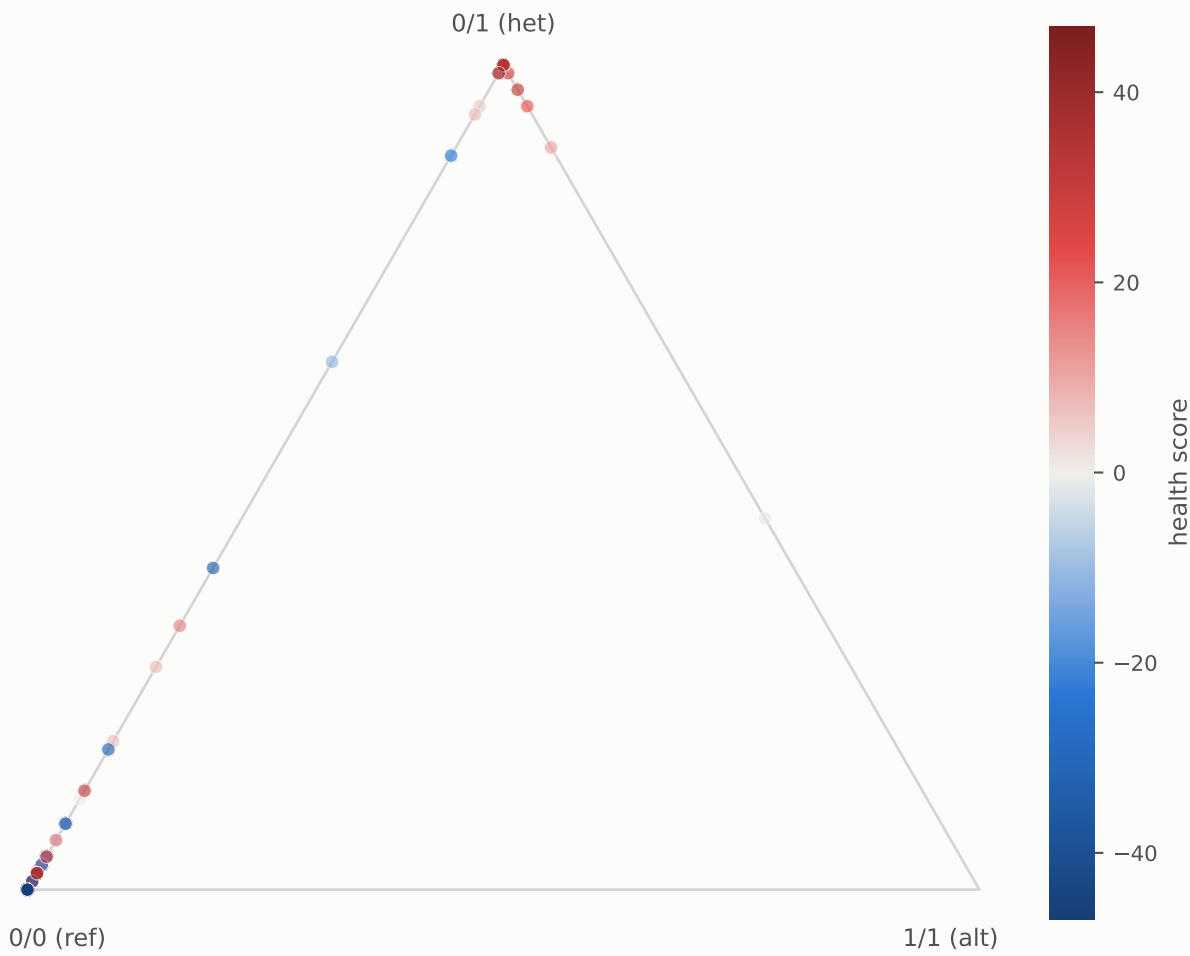
#39 by cluster health separation CHR_10:9,826,861 G>A
AF=0.14 DR2=0.91 r=-0.195 H=0.062 F=17.7



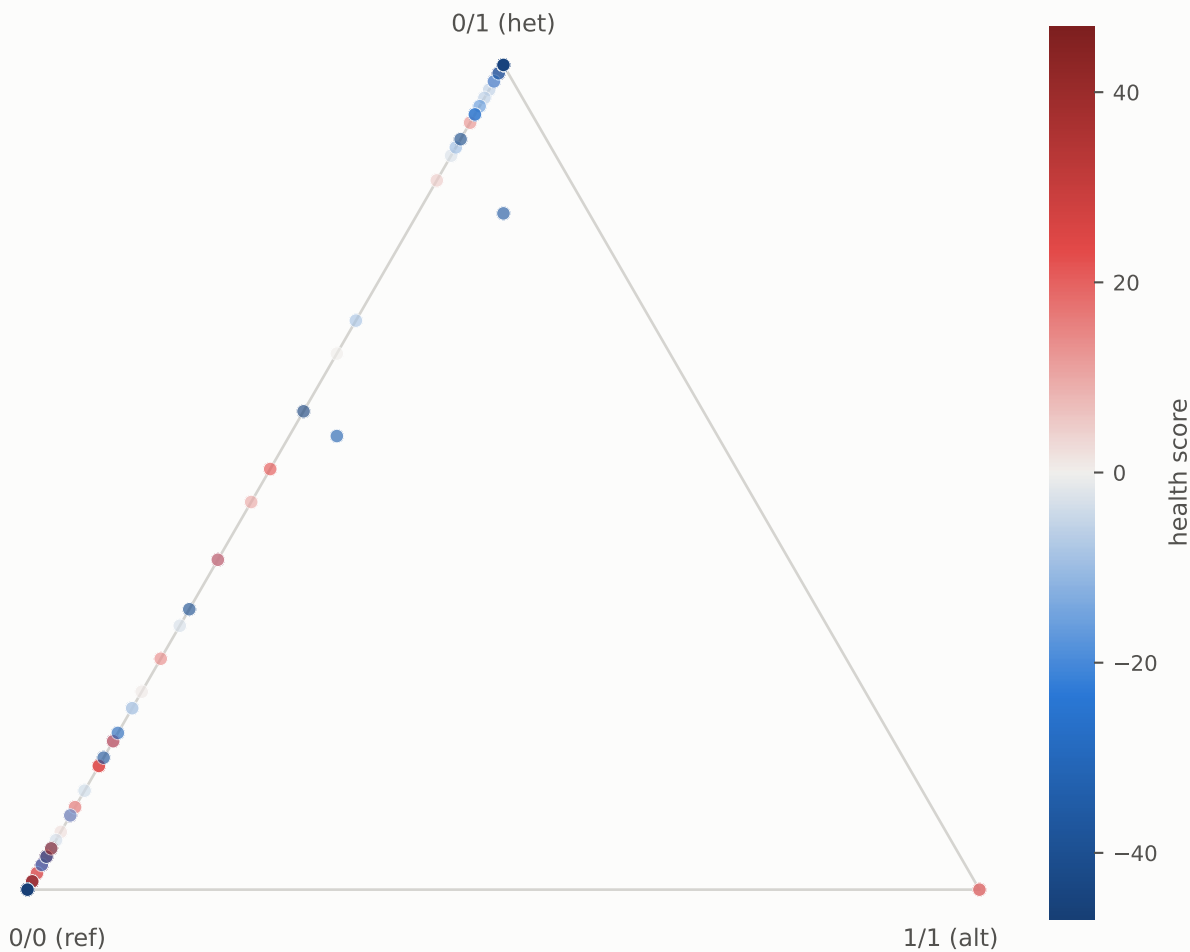
#40 by cluster health separation CHR_10:11,097,123 T>A
AF=0.023 DR2=0.92 r=-0.192 H=0.013 F=17.7



#41 by cluster health separation CHR_02:10,655,315 G>A
AF=0.081 DR2=0.93 $r=+0.194$ $\bar{H}=0.027$ F=17.6



#42 by cluster health separation CHR_15:19,394,558 G>A
AF=0.089 DR2=0.89 r=-0.168 H=0.051 F=17.6



0/1 (het)

0/0 (ref)

1/1 (alt)

health score

40

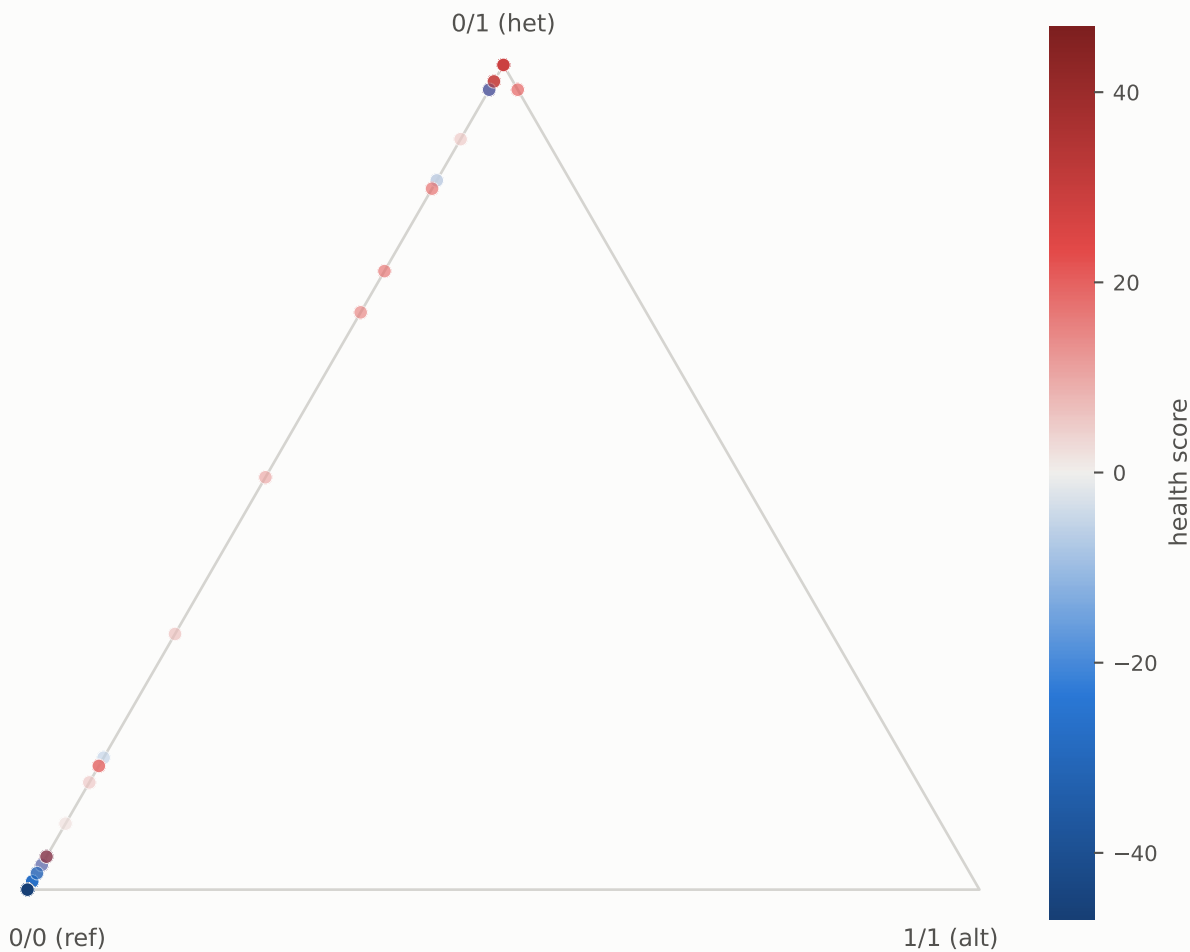
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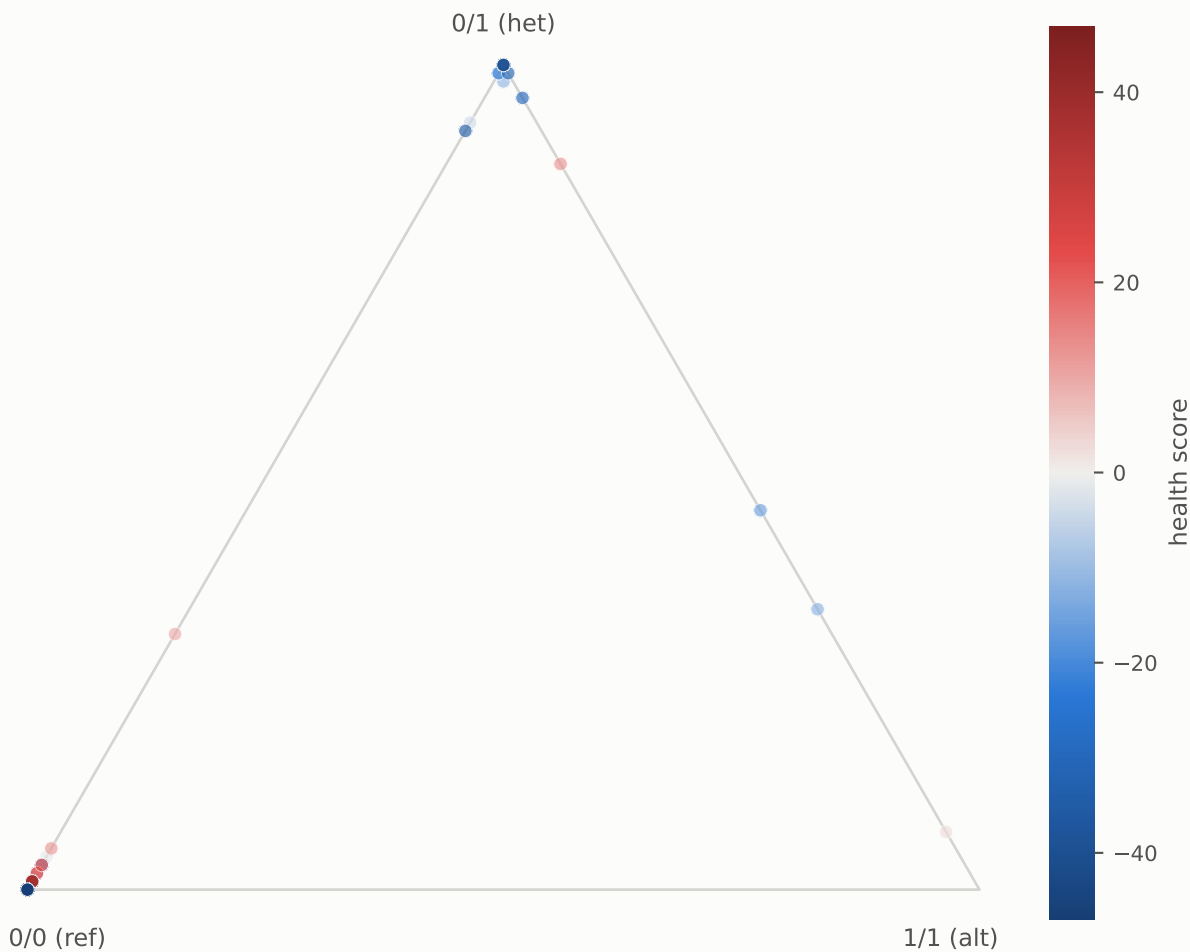
-20

-40

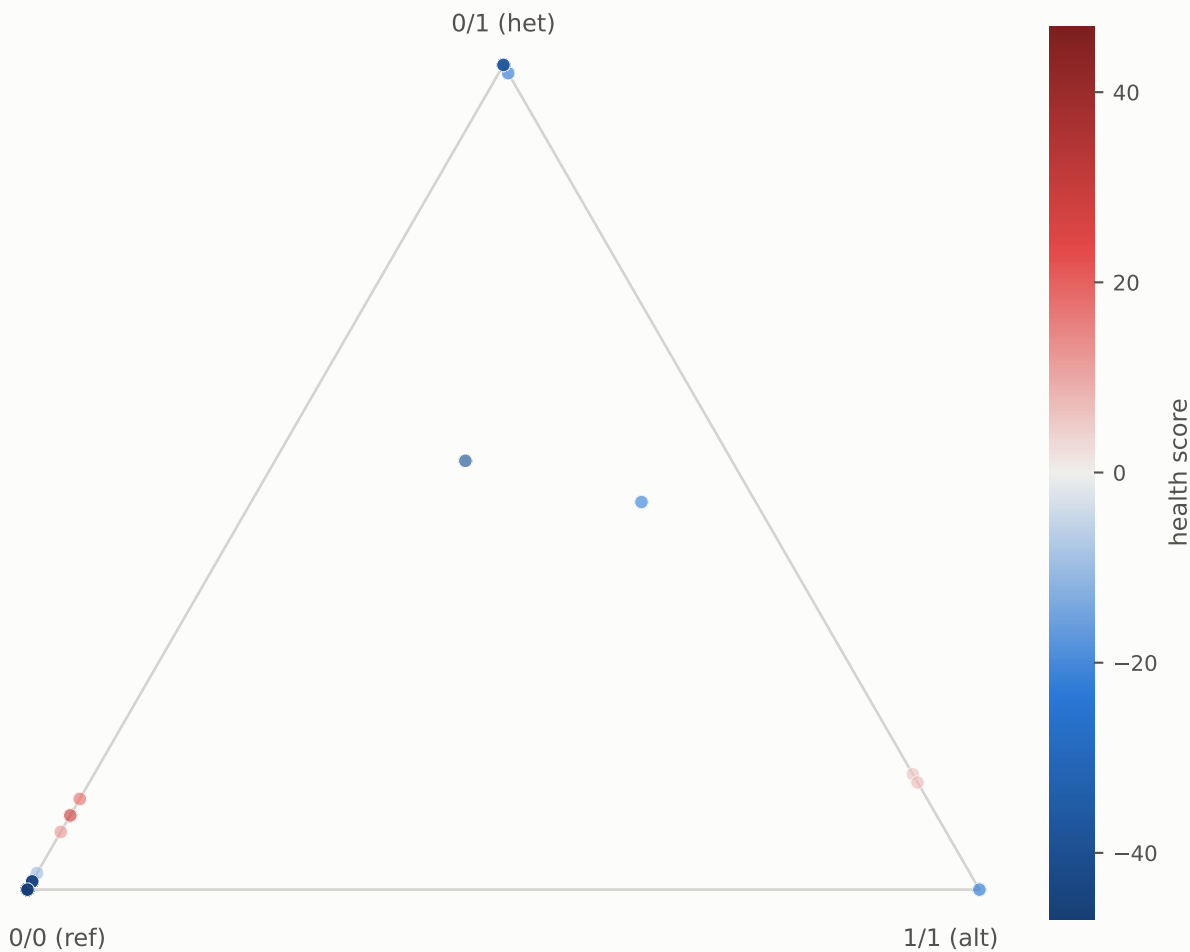
#44 by cluster health separation CHR_03:4,867,773 C>T
AF=0.041 DR2=0.92 $r=+0.198$ $H=0.021$ $F=17.5$



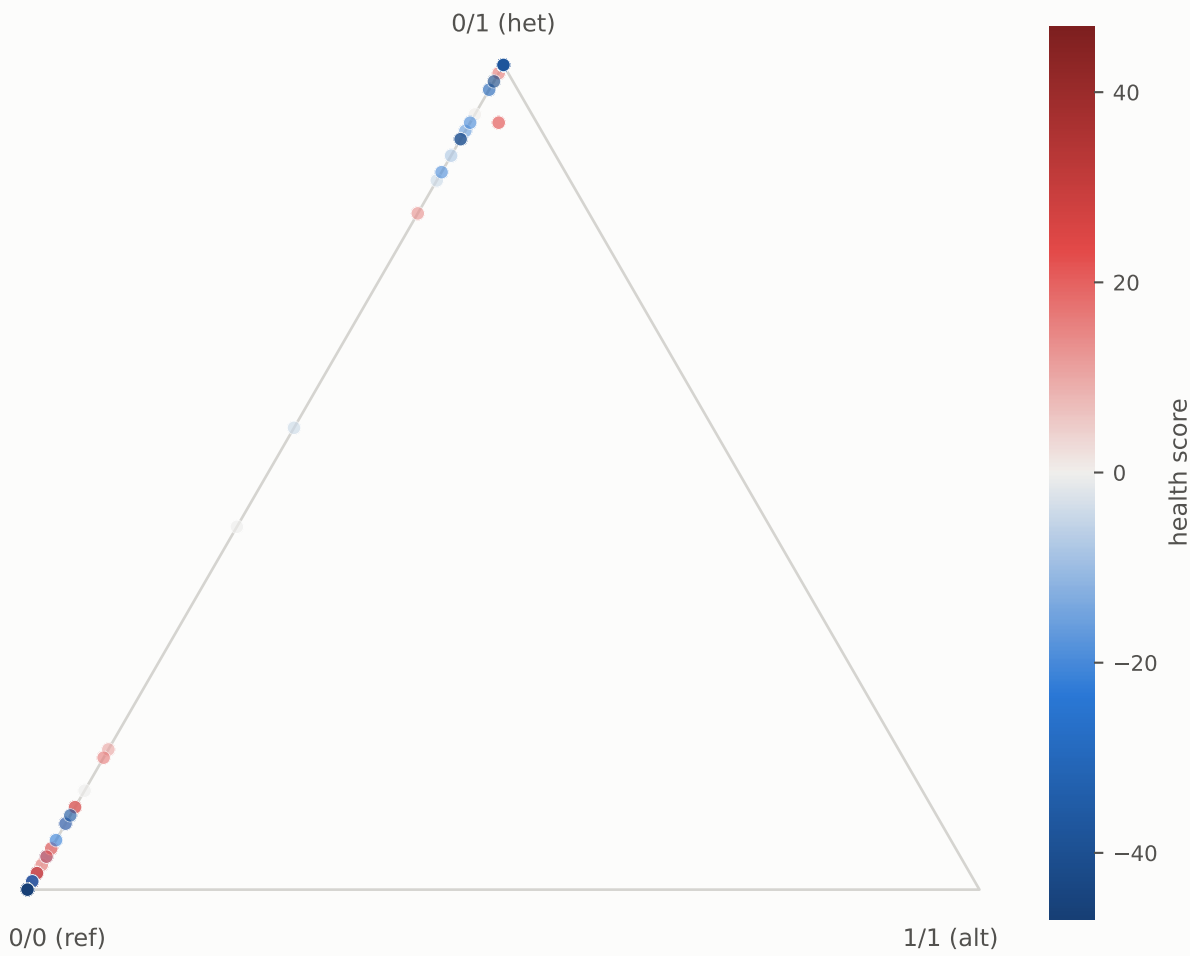
#45 by cluster health separation CHR_09:10,189,856 A>G
AF=0.019 DR2=0.91 r=-0.165 H=0.017 F=17.4



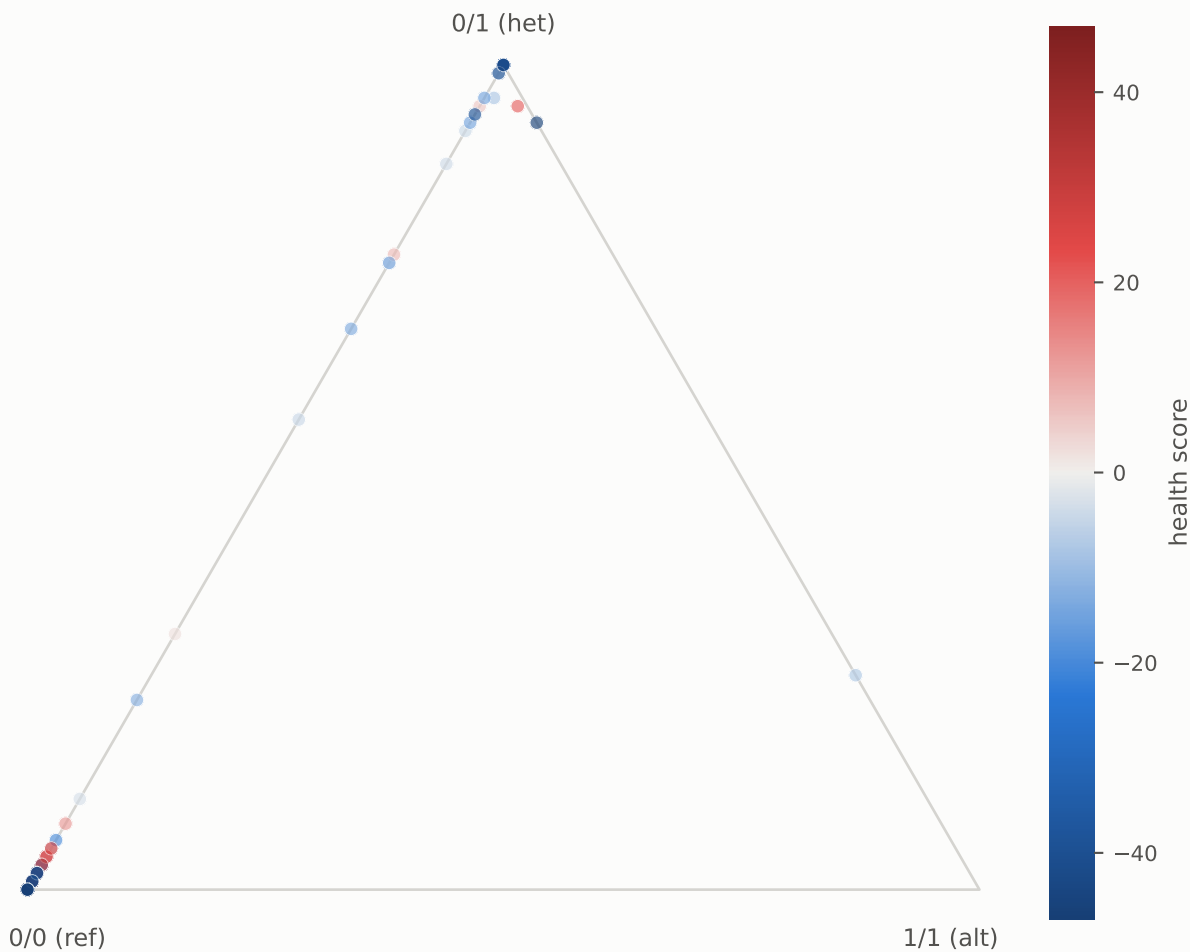
#46 by cluster health separation CHR_18:4,574,852 A>G
AF=0.022 DR2=0.92 r=-0.134 H=0.011 F=17.4



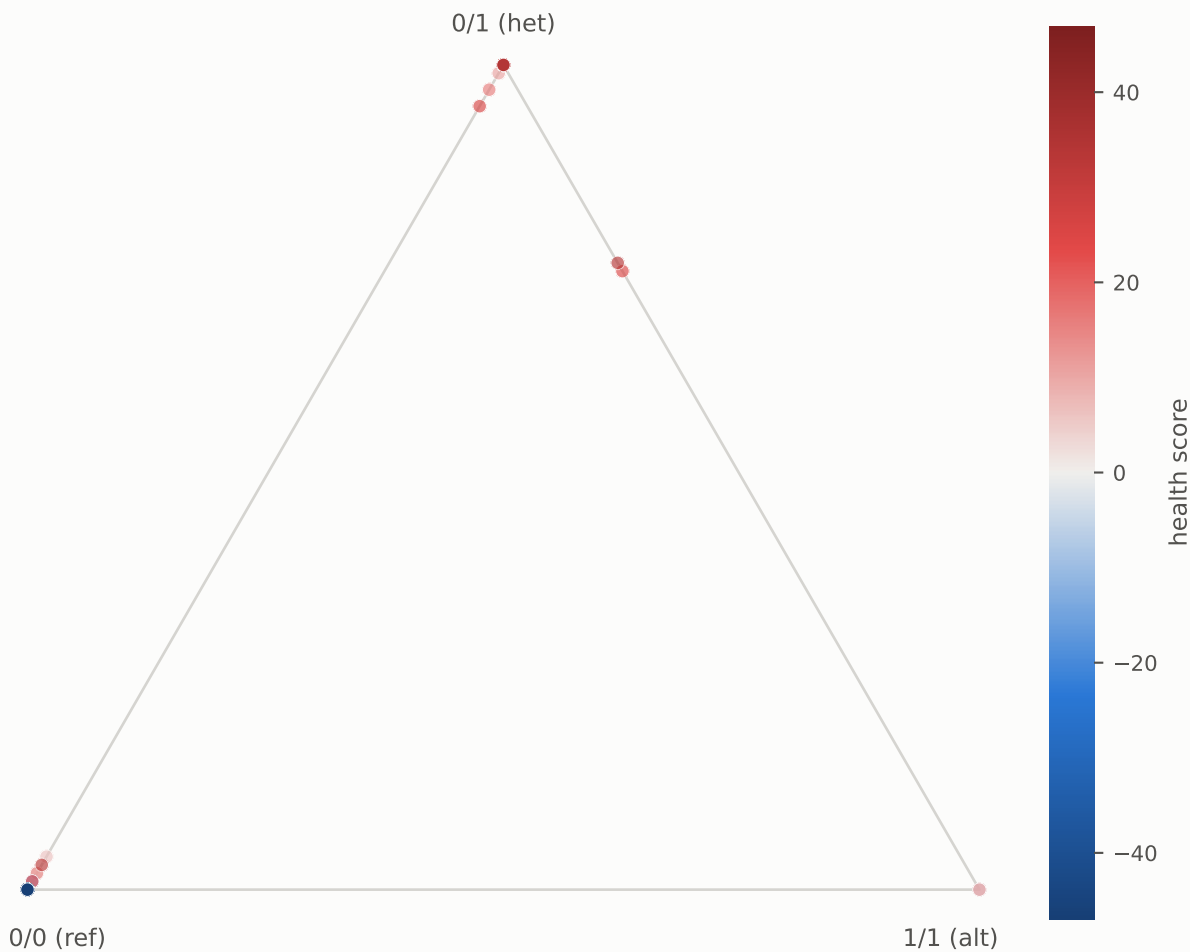
#47 by cluster health separation CHR_08:15,382,520 G>A
AF=0.04 DR2=0.92 r=-0.193 H=0.025 F=17.4



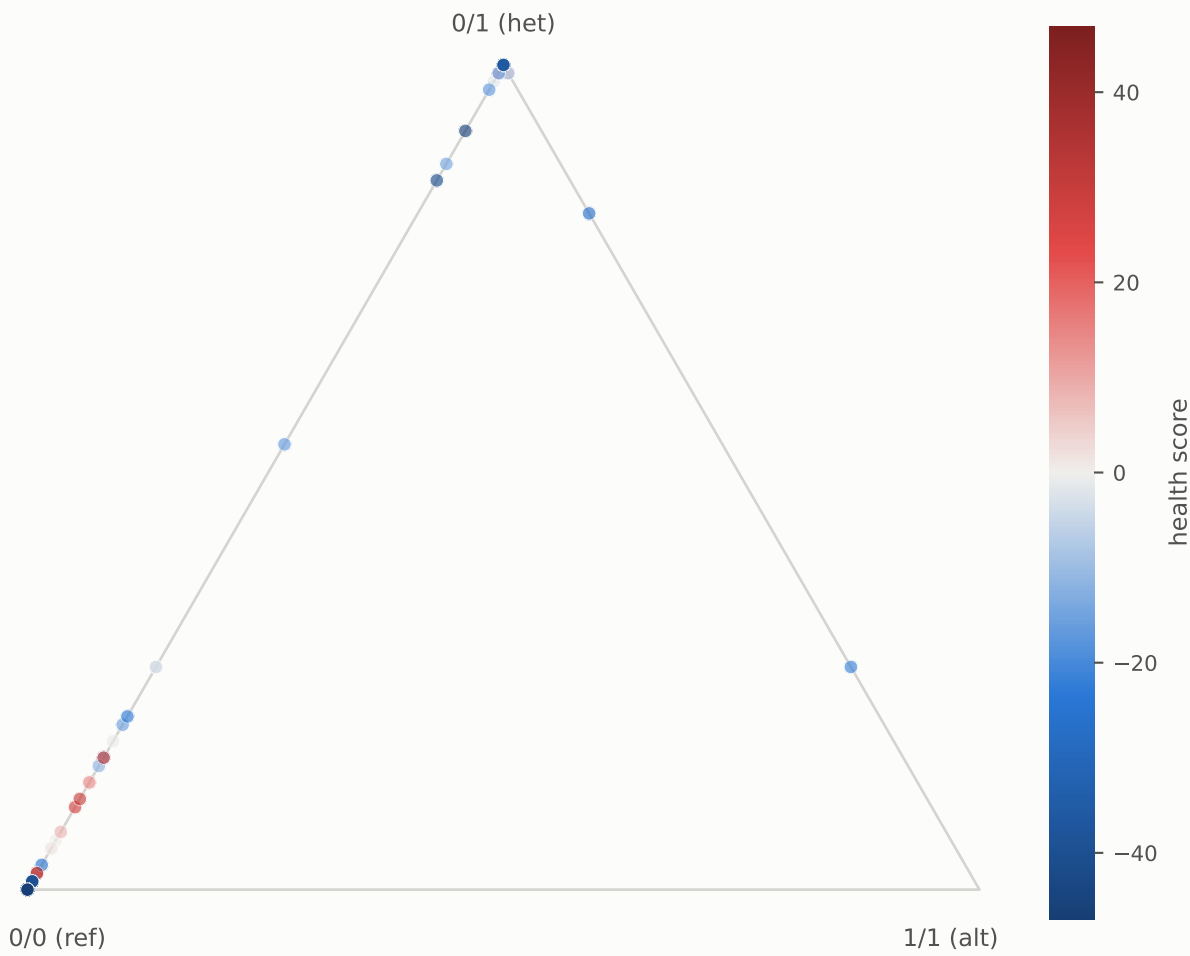
#48 by cluster health separation CHR_04:25,917,981 G>A
AF=0.044 DR2=0.9 r=-0.195 H=0.031 F=17.4



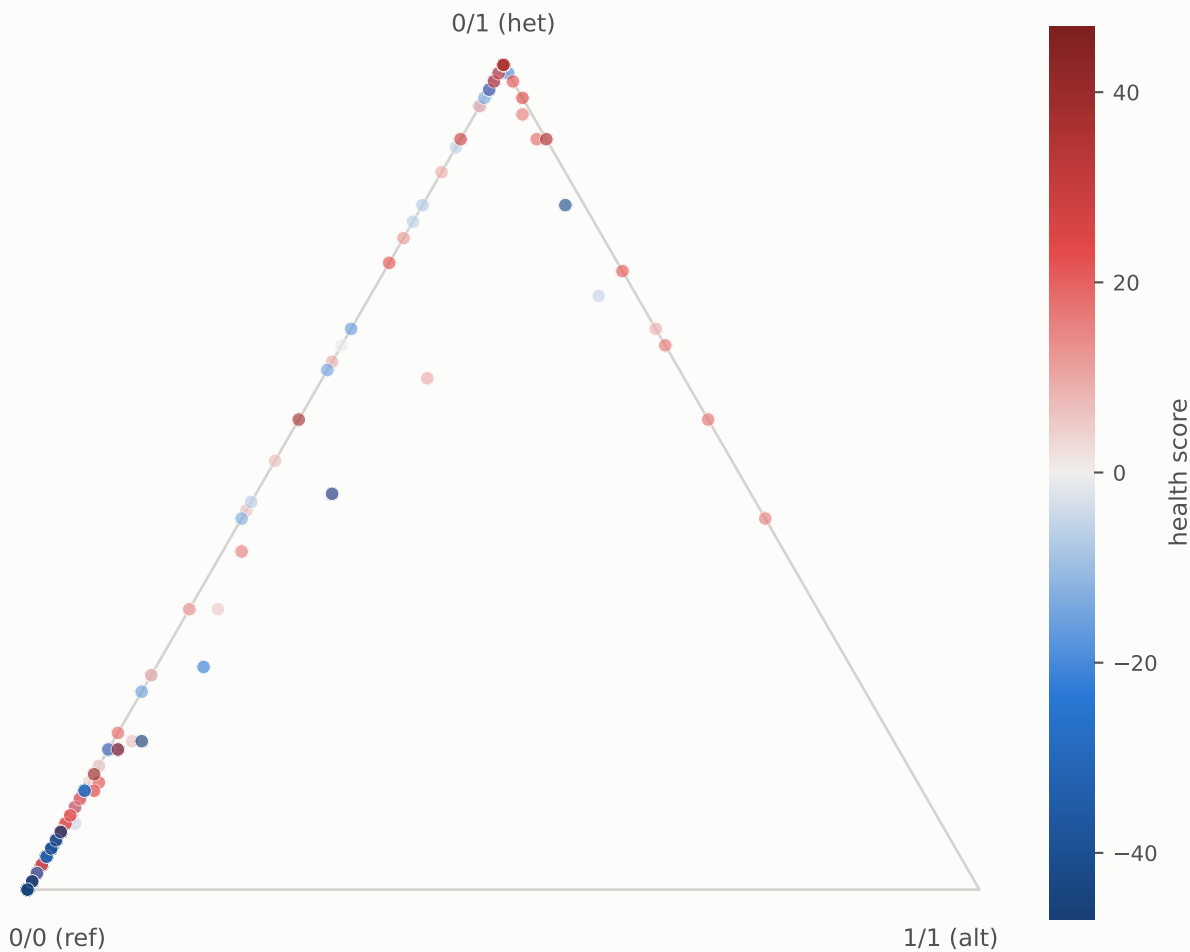
#49 by cluster health separation CHR_02:8,851,092 C>A
AF=0.02 DR2=0.97 r=+0.168 H=0.005 F=17.3



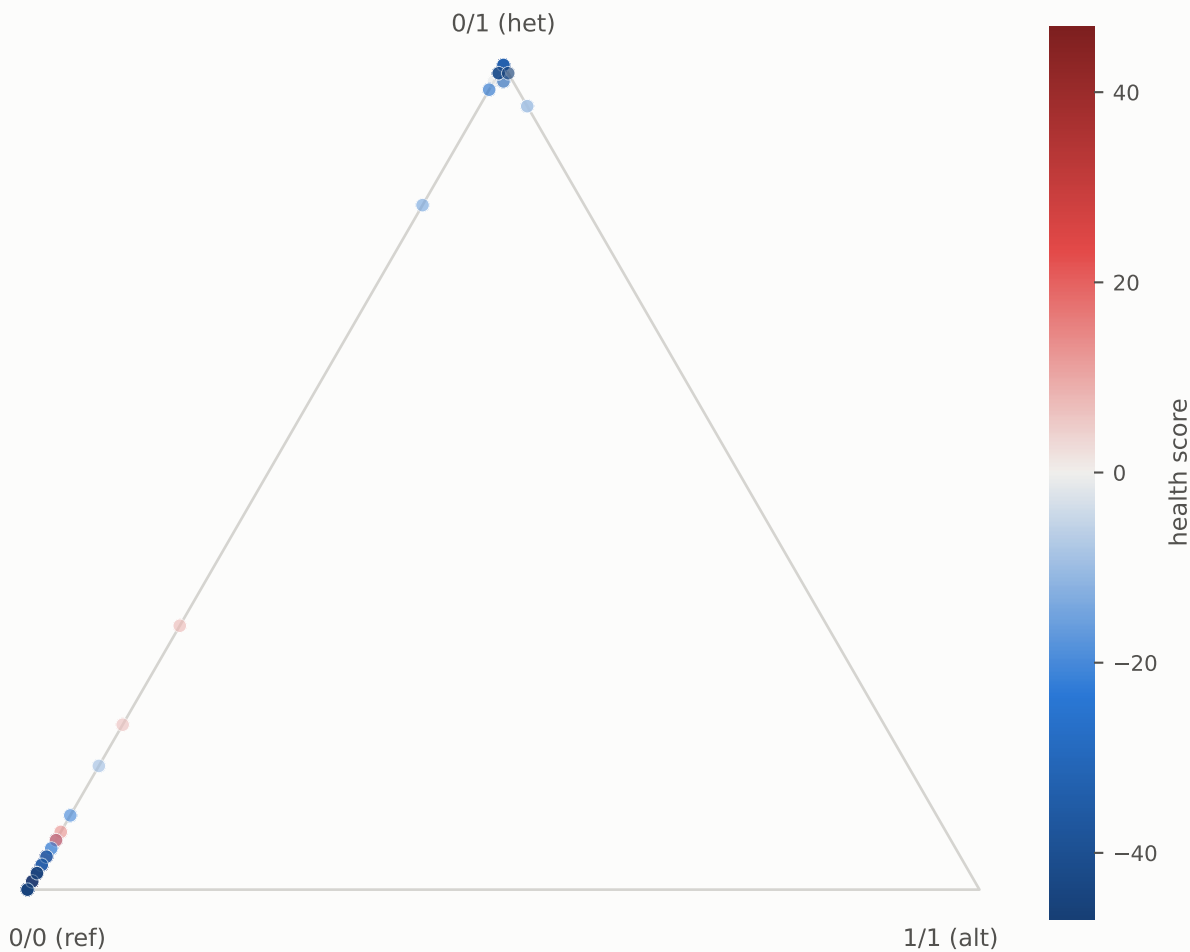
#50 by cluster health separation CHR_15:23,499,748 G>A
AF=0.022 DR2=0.84 r=-0.195 H=0.028 F=17.3



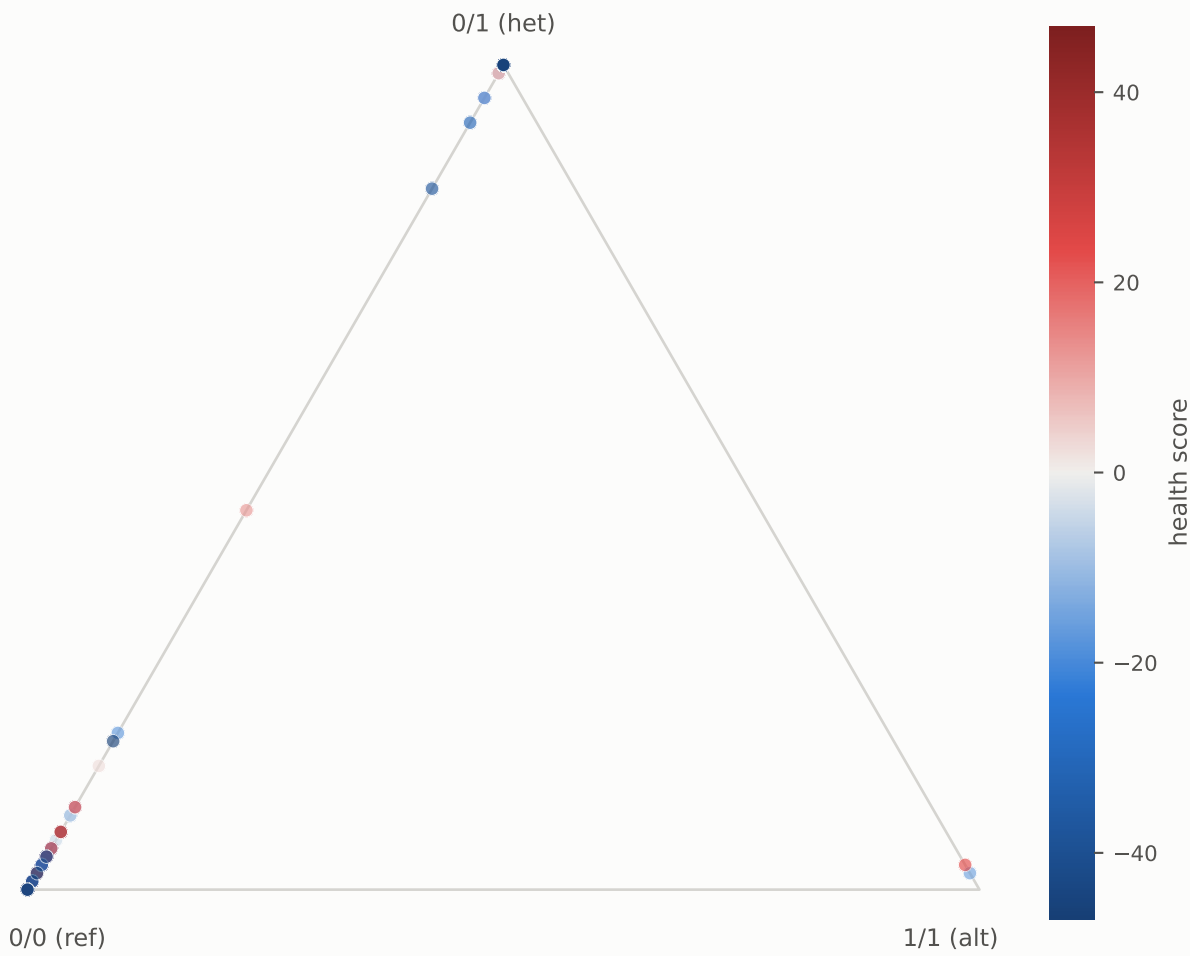
#51 by cluster health separation CHR_07:5,268,968 C>G
AF=0.14 DR2=0.81 r=+0.209 H=0.127 F=17.2



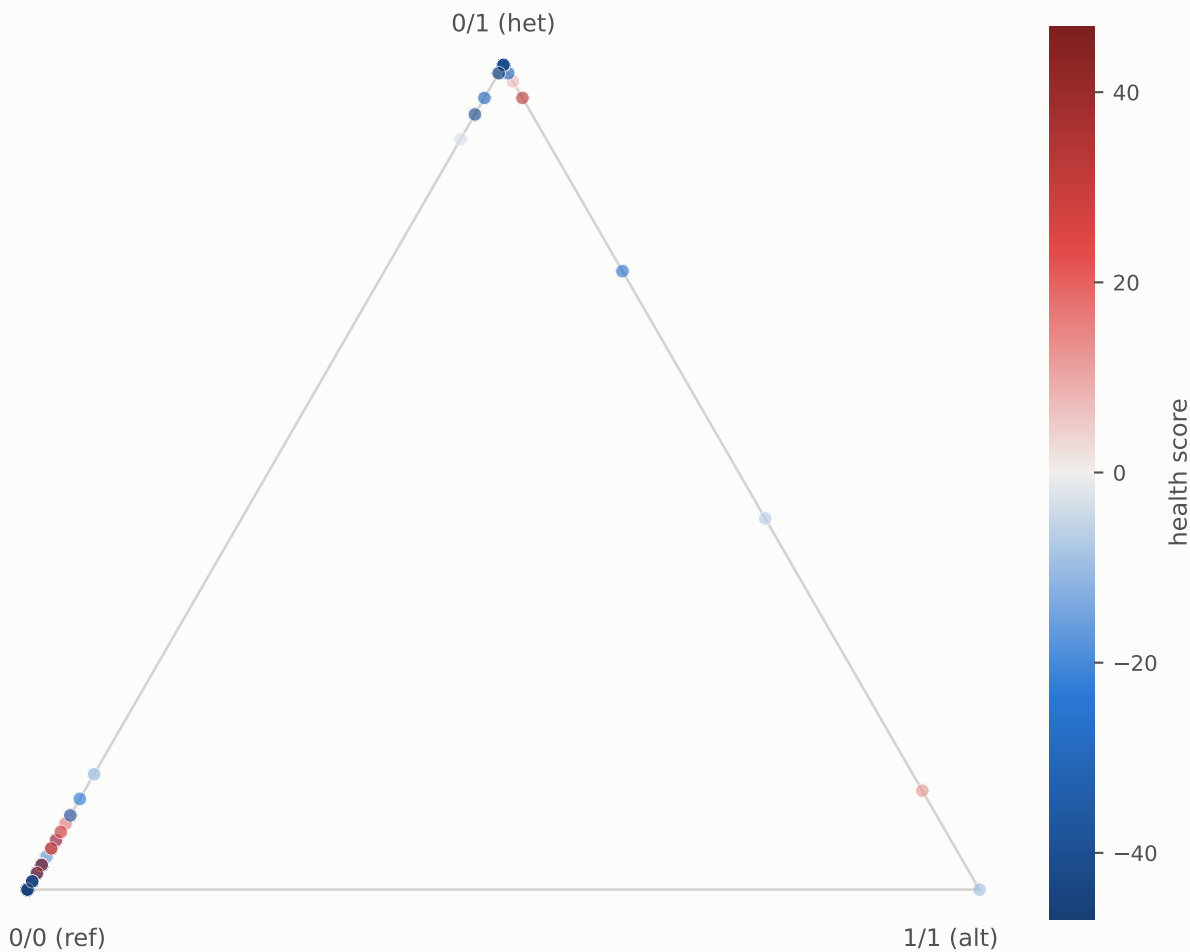
#52 by cluster health separation CHR_01:2,046,182 C>T
AF=0.035 DR2=0.88 r=-0.193 H=0.036 F=17.1



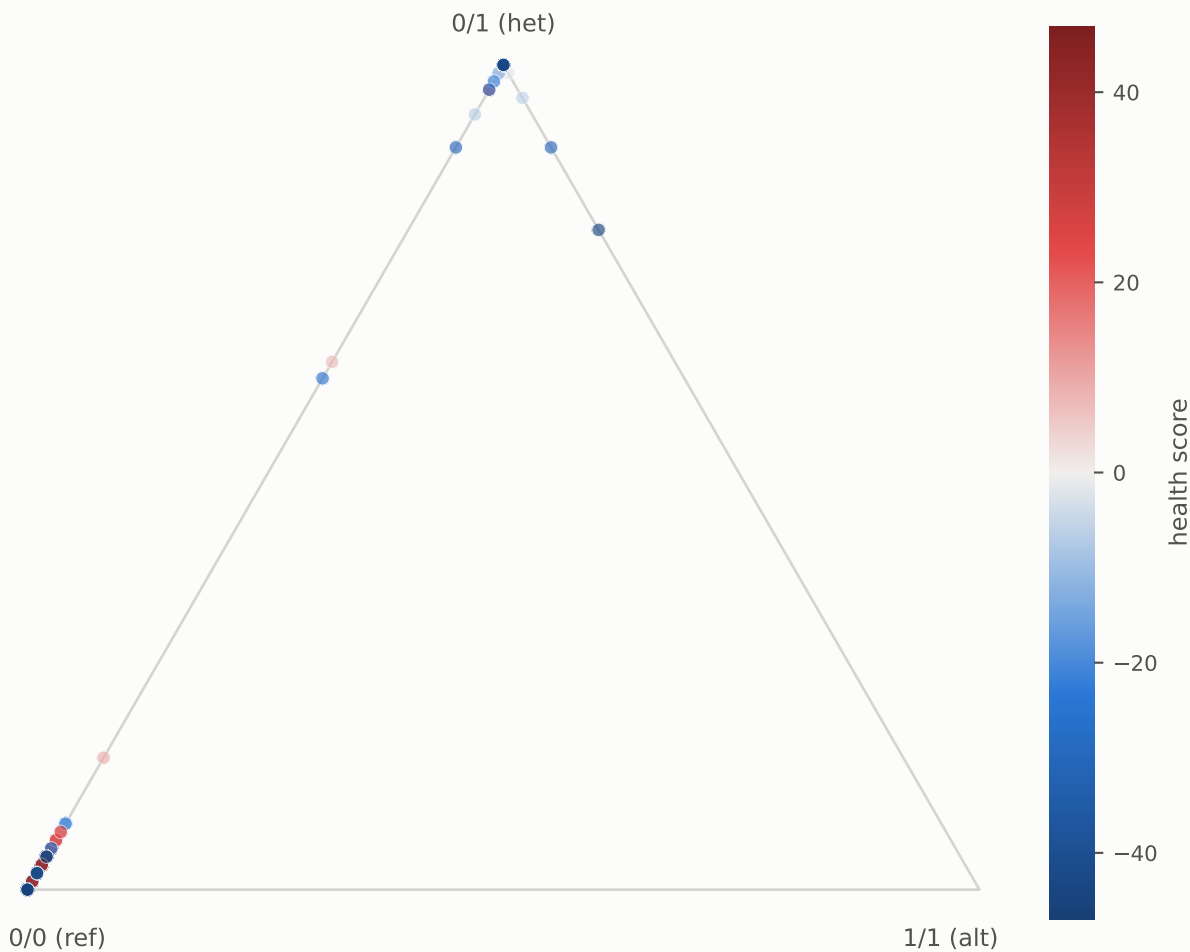
#53 by cluster health separation CHR_20:19,424,897 G>A
AF=0.096 DR2=0.96 r=-0.180 H=0.023 F=17.1



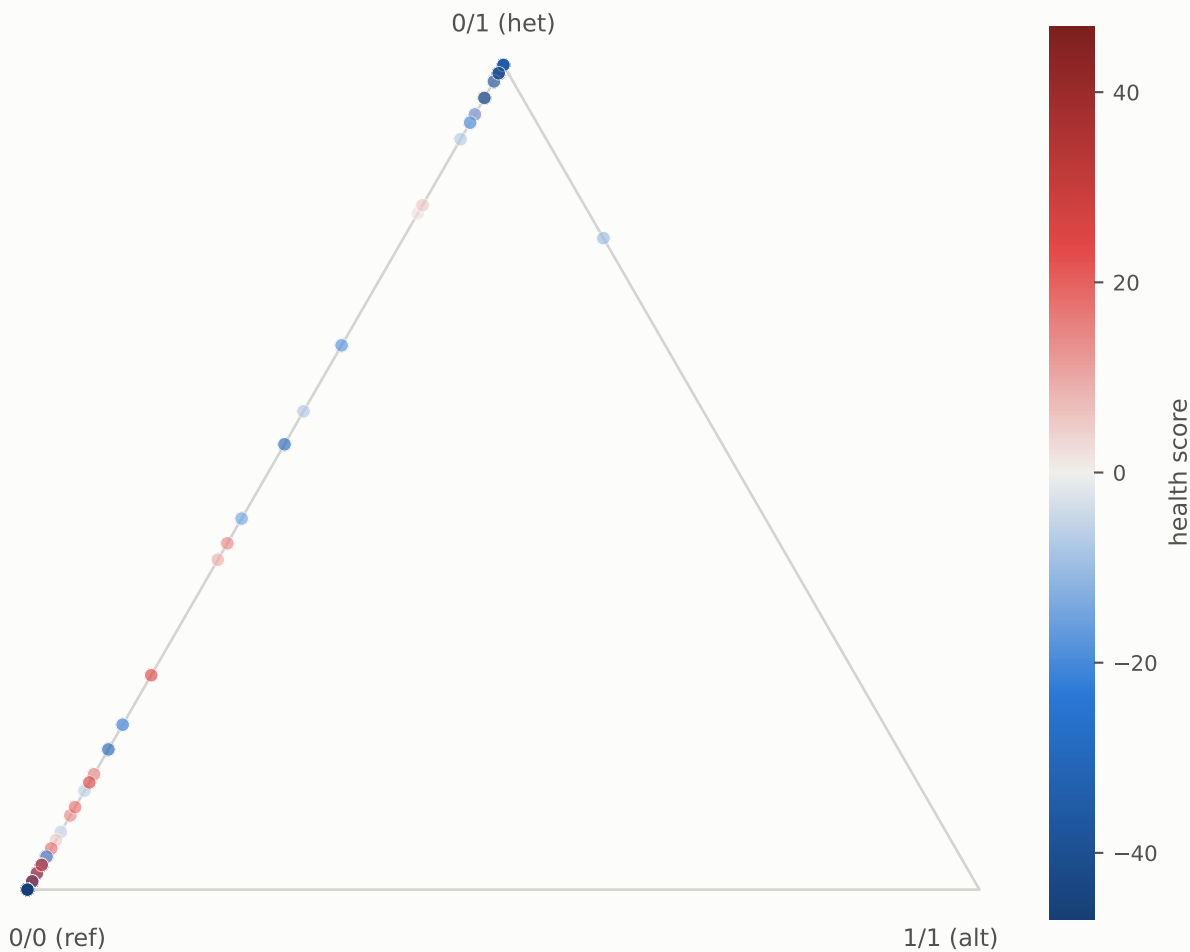
#54 by cluster health separation CHR_10:9,786,333 G>T
AF=0.059 DR2=0.93 r=-0.178 H=0.027 F=17.0



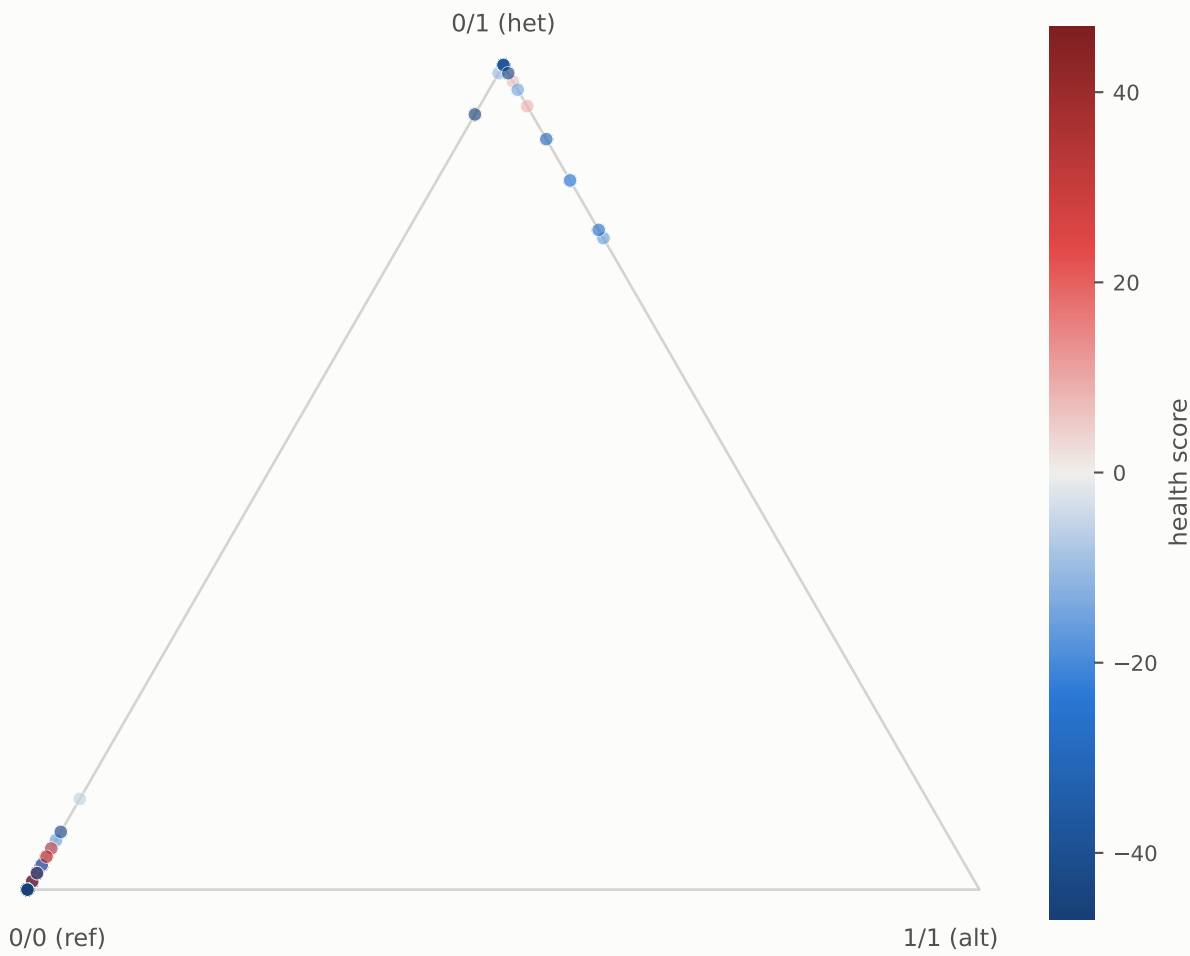
#55 by cluster health separation CHR_17:14,764,587 A>G
AF=0.038 DR2=0.84 r=-0.196 H=0.045 F=17.0



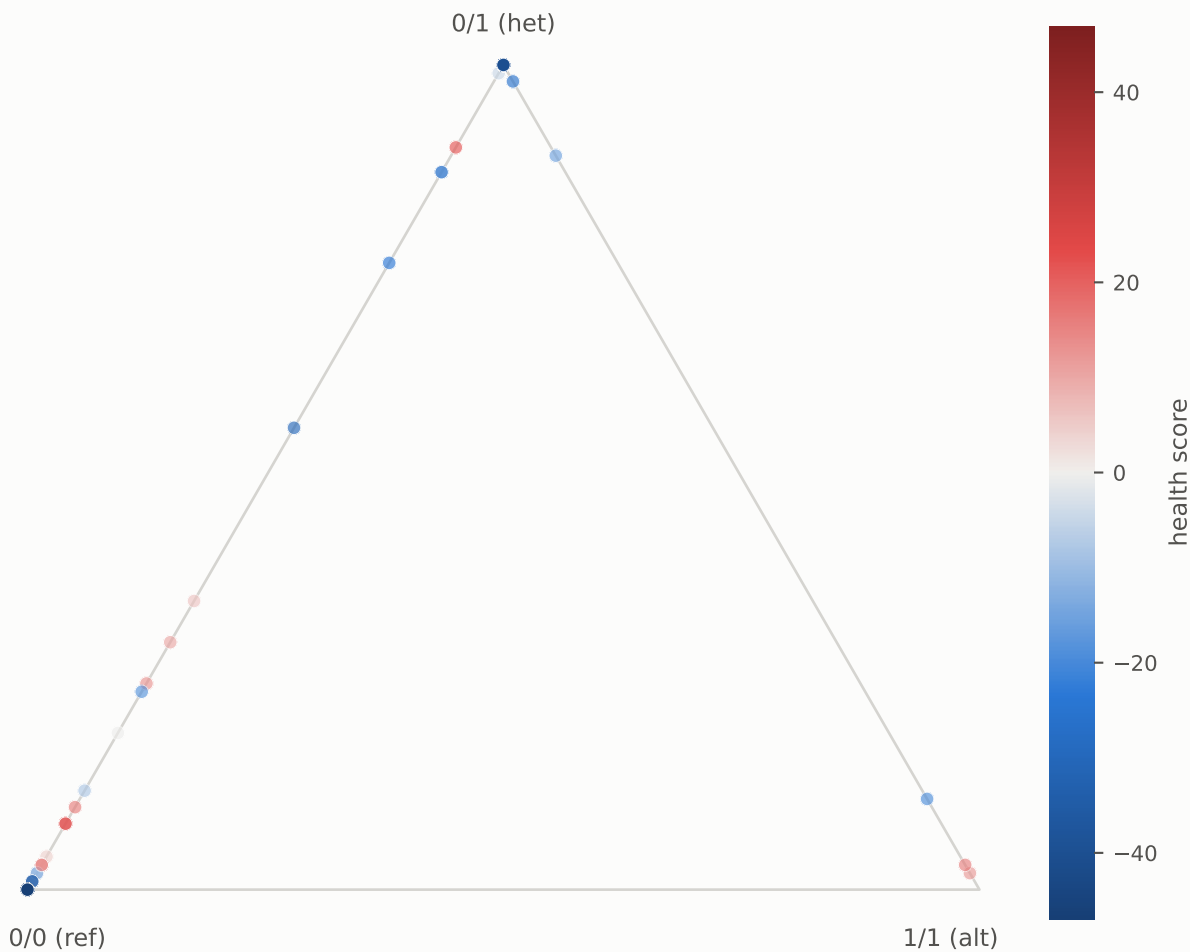
#56 by cluster health separation CHR_01:22,926,839 T>C
AF=0.057 DR2=0.88 r=-0.182 H=0.037 F=17.0



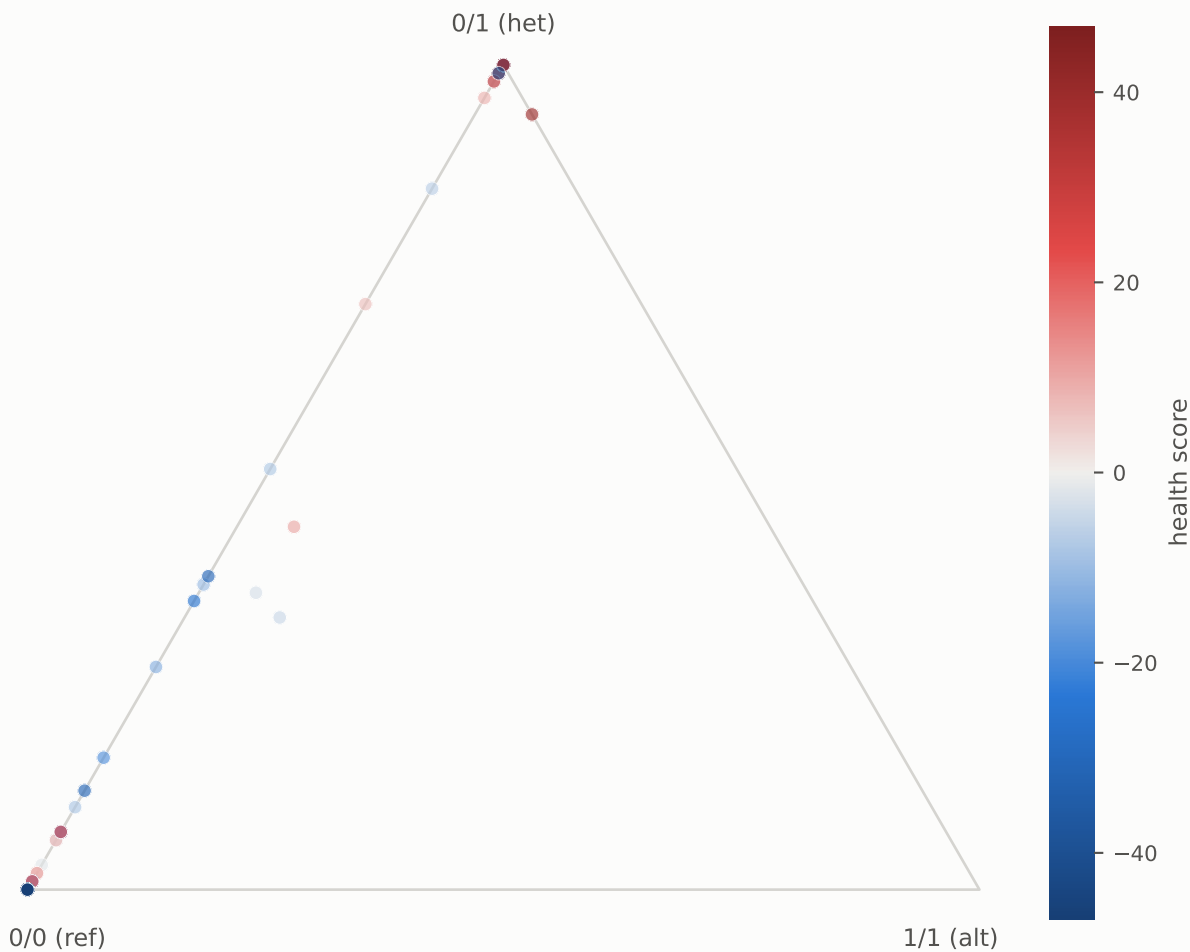
#57 by cluster health separation CHR_02:9,365,814 A>G
AF=0.025 DR2=0.86 r=-0.192 H=0.031 F=17.0



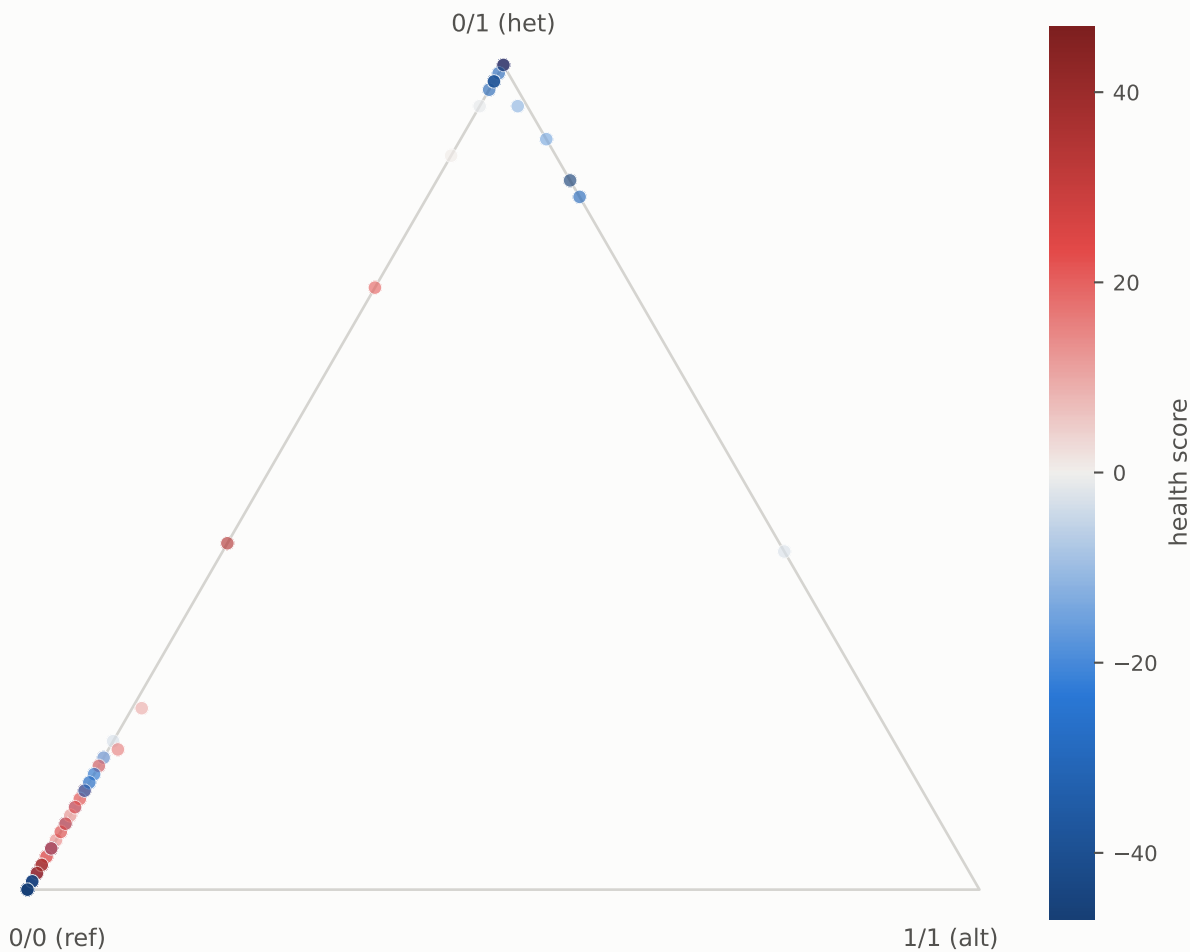
#58 by cluster health separation CHR_02:44,638,800 A>G
AF=0.053 DR2=0.96 r=-0.155 H=0.019 F=16.9



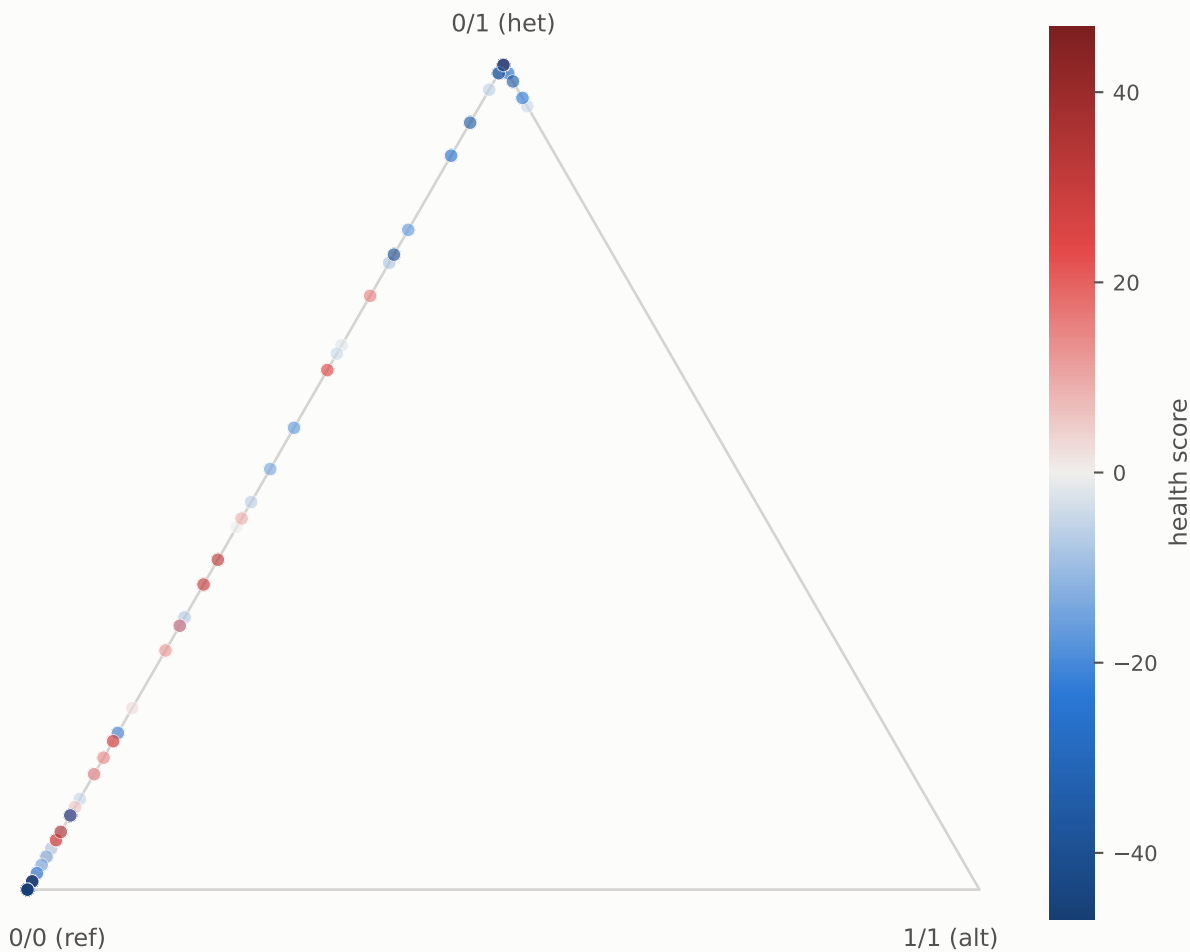
#59 by cluster health separation CHR_09:33,170,897 G>A
AF=0.076 DR2=0.93 r=+0.182 H=0.025 F=16.8



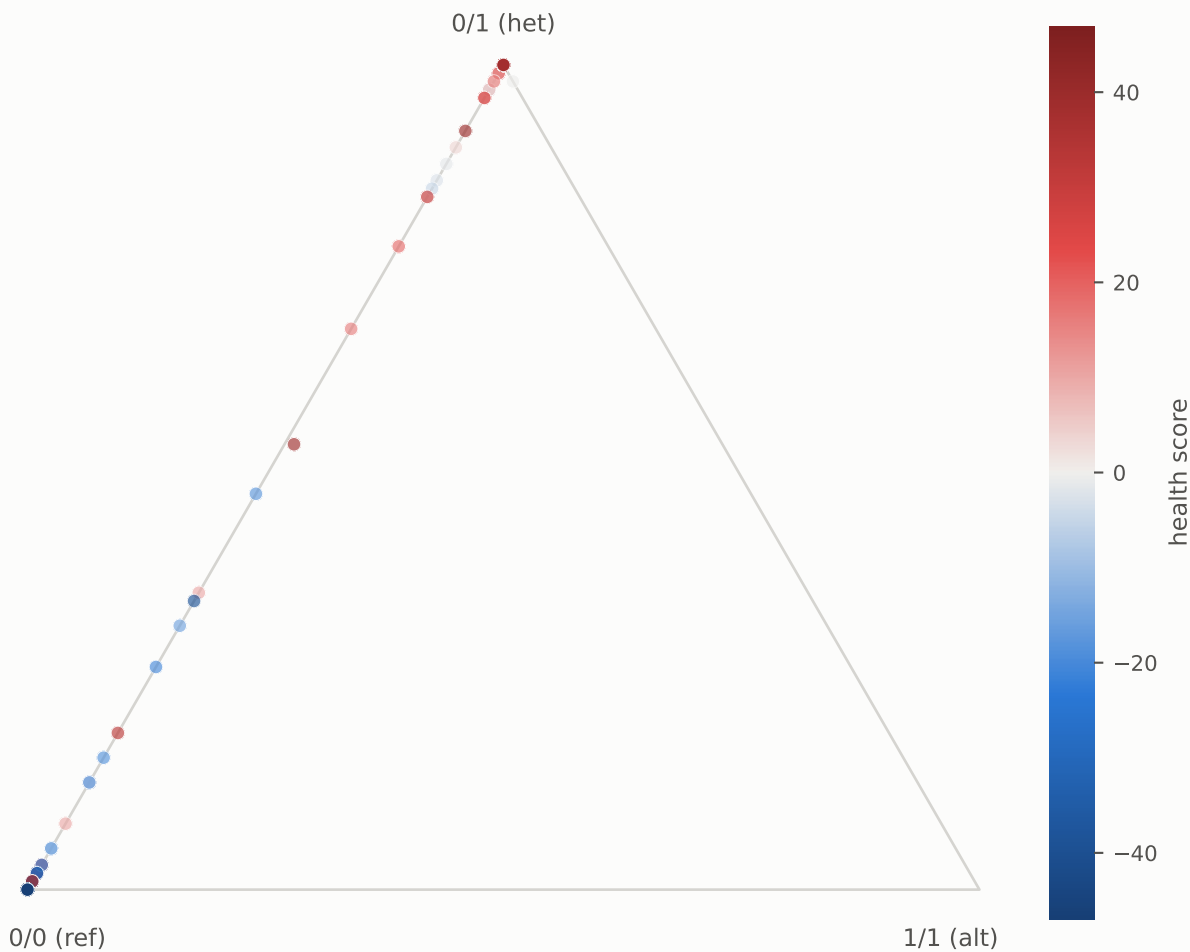
#60 by cluster health separation CHR_10:4,206,271 G>C
AF=0.038 DR2=0.85 $r=-0.182$ H=0.047 F=16.8



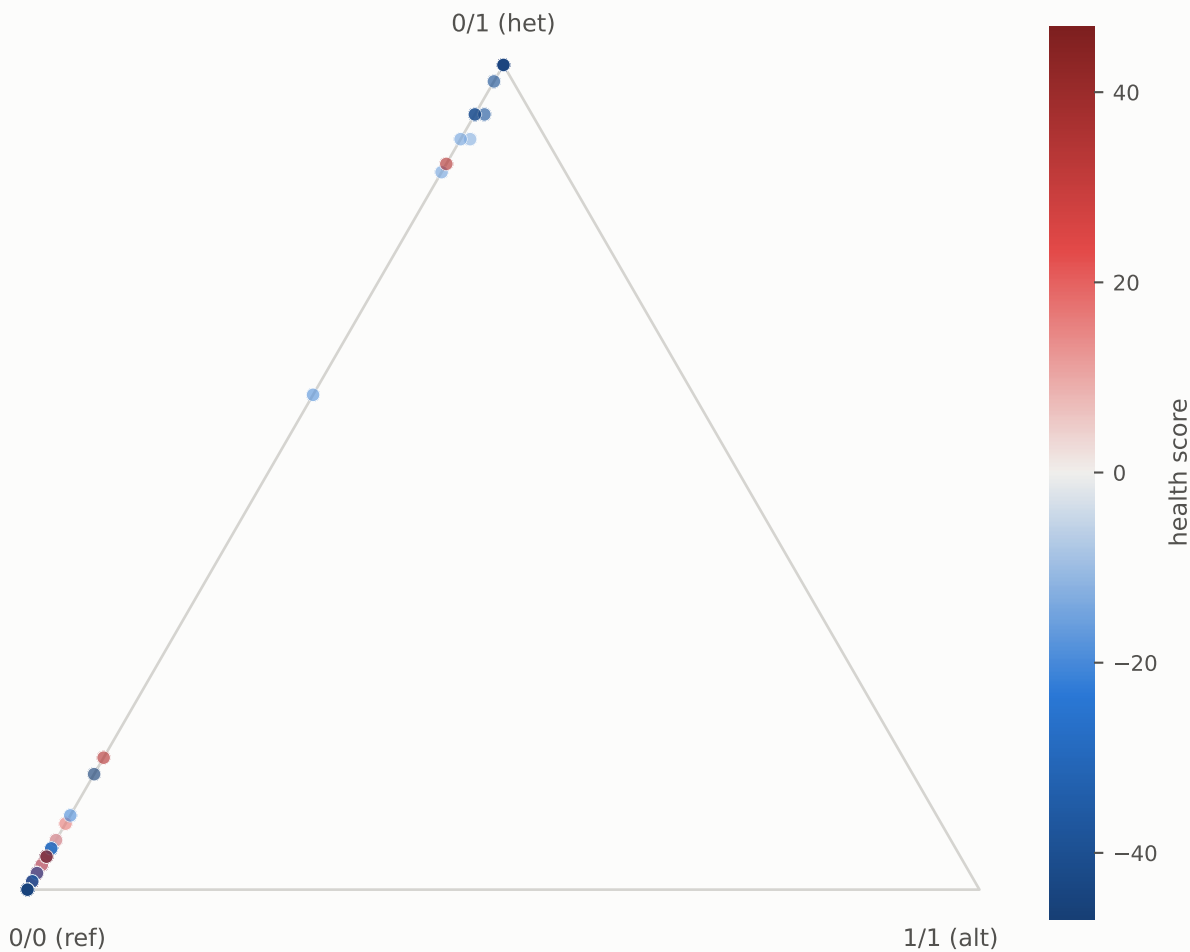
#61 by cluster health separation CHR_20:22,599,449 G>A
AF=0.043 DR2=0.82 $r=-0.176$ $H=0.050$ $F=16.8$



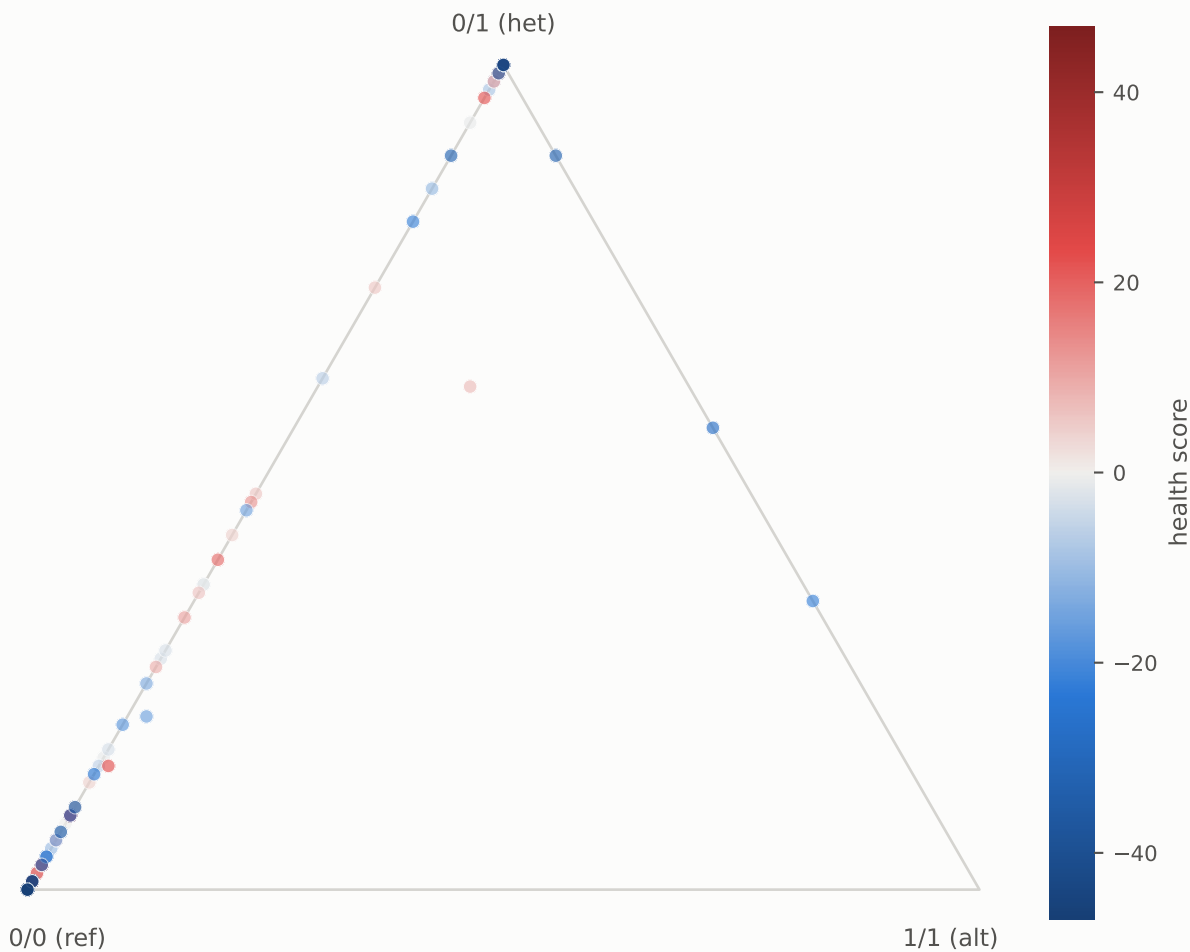
#62 by cluster health separation CHR_21:18,107,871 G>A
AF=0.06 DR2=0.91 r=+0.171 H=0.033 F=16.8



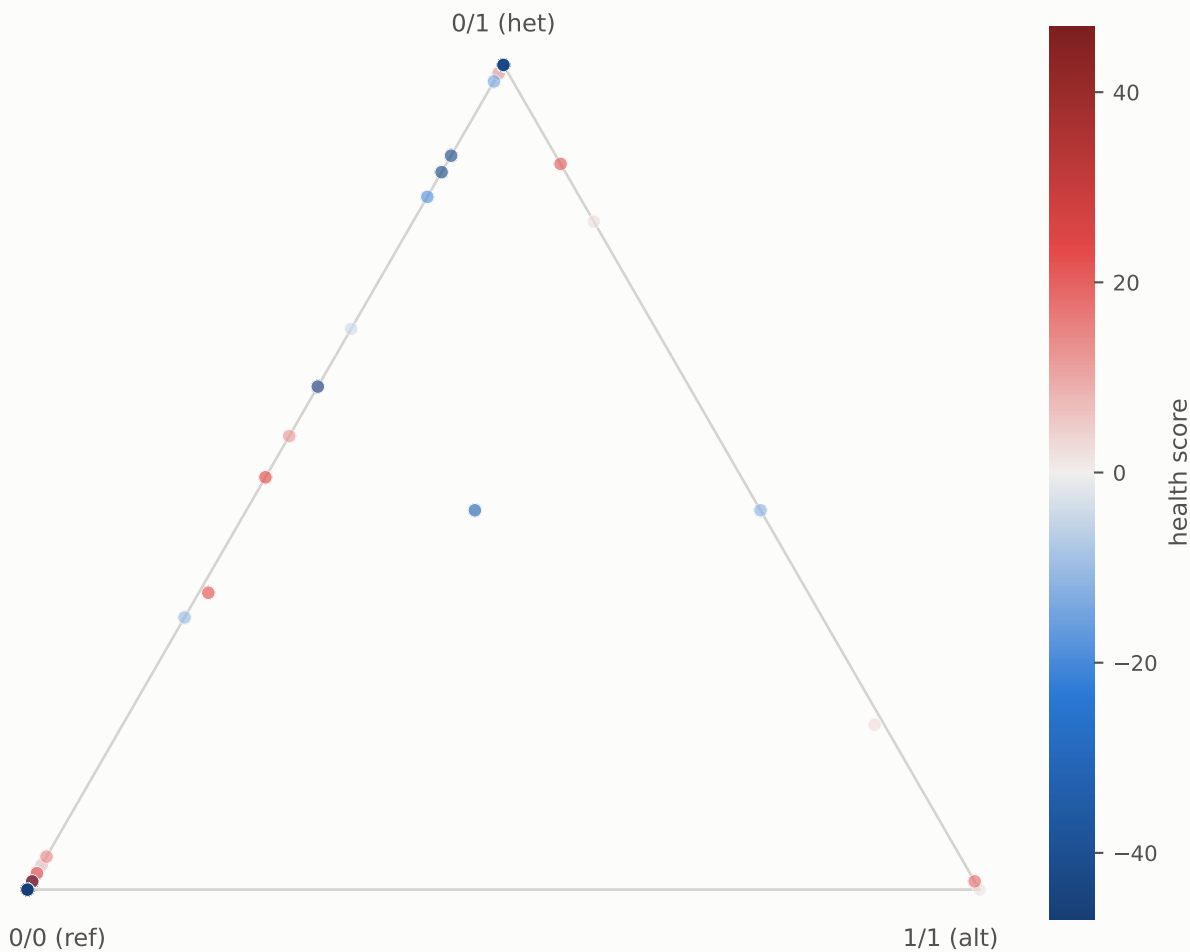
#63 by cluster health separation CHR_19:11,609,876 G>A
AF=0.021 DR2=0.81 r=-0.190 H=0.037 F=16.6



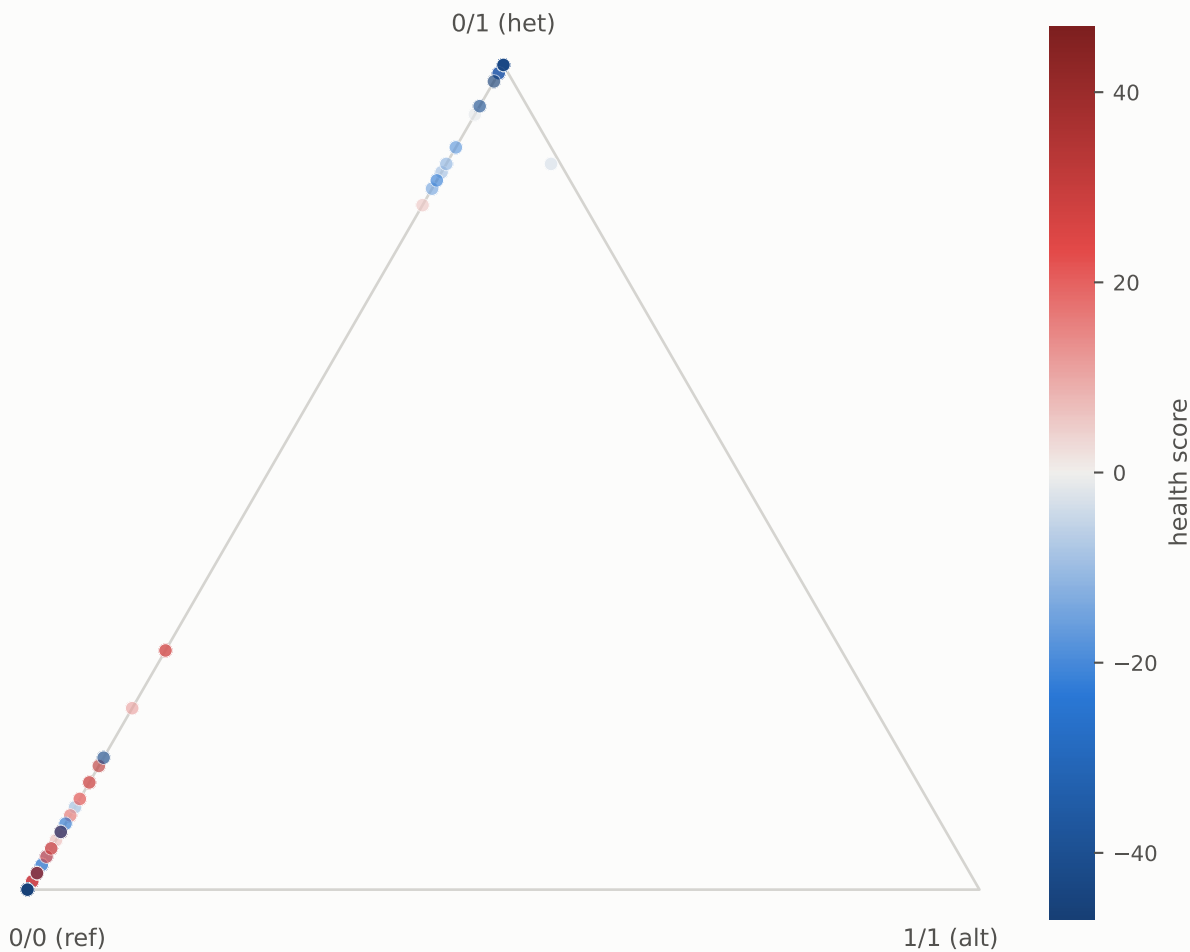
#64 by cluster health separation CHR_23:2,462,770 T>C
AF=0.062 DR2=0.83 r=-0.200 H=0.059 F=16.6



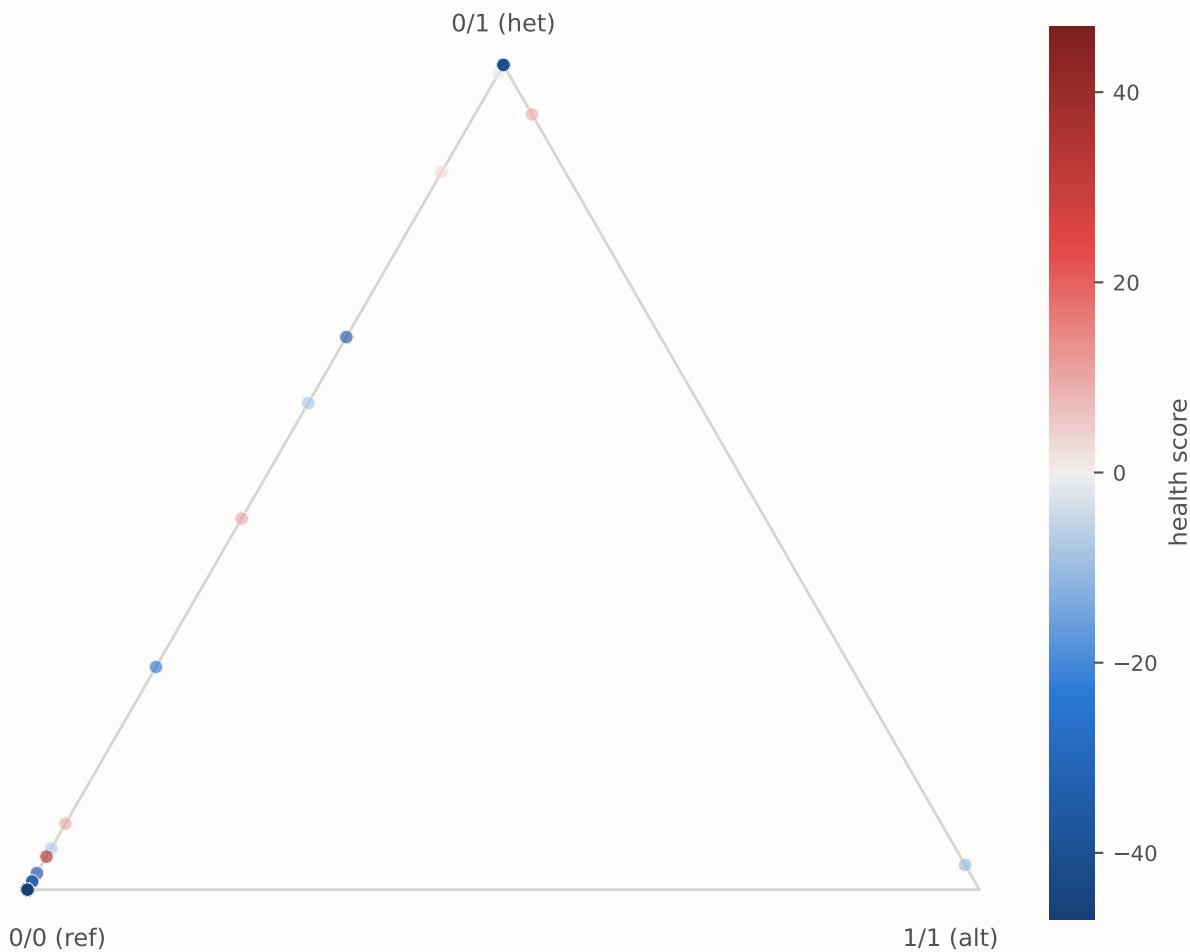
#65 by cluster health separation CHR_22:3,995,517 G>T
AF=0.044 DR2=0.93 r=-0.142 H=0.025 F=16.6



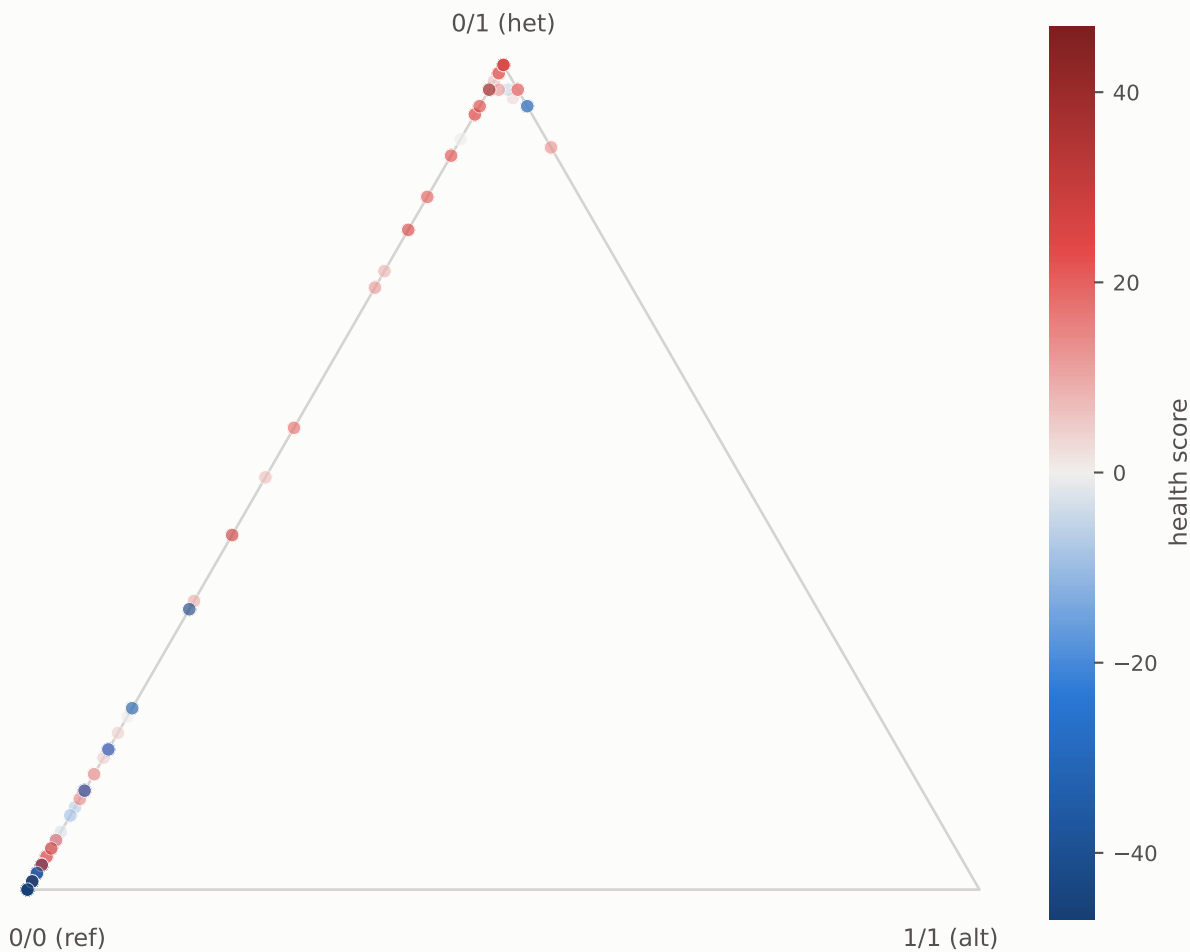
#66 by cluster health separation CHR_10:1,942,108 A>G
AF=0.052 DR2=0.91 r=-0.179 H=0.033 F=16.6



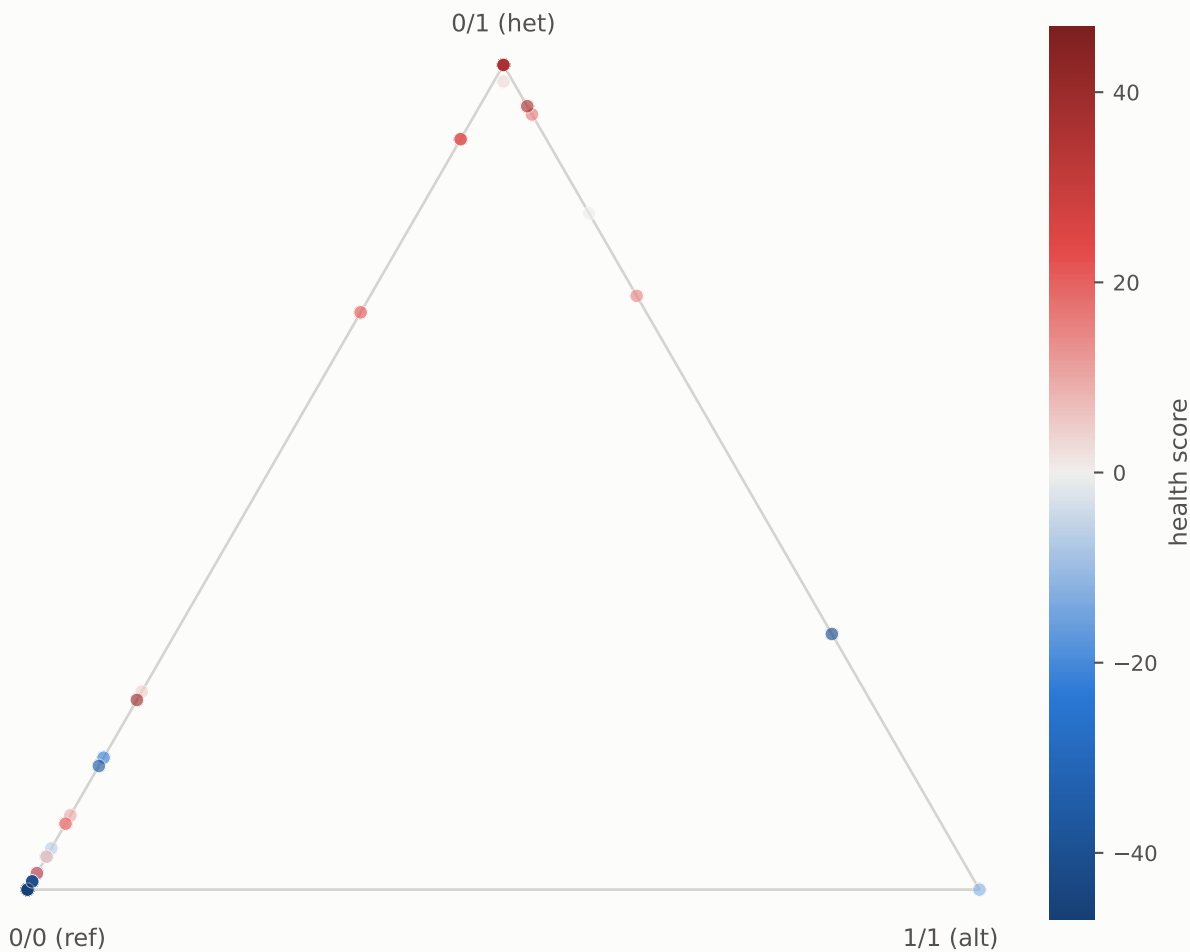
#67 by cluster health separation CHR_06:28,770,709 C>T
AF=0.051 DR2=0.94 r=-0.185 H=0.011 F=16.6



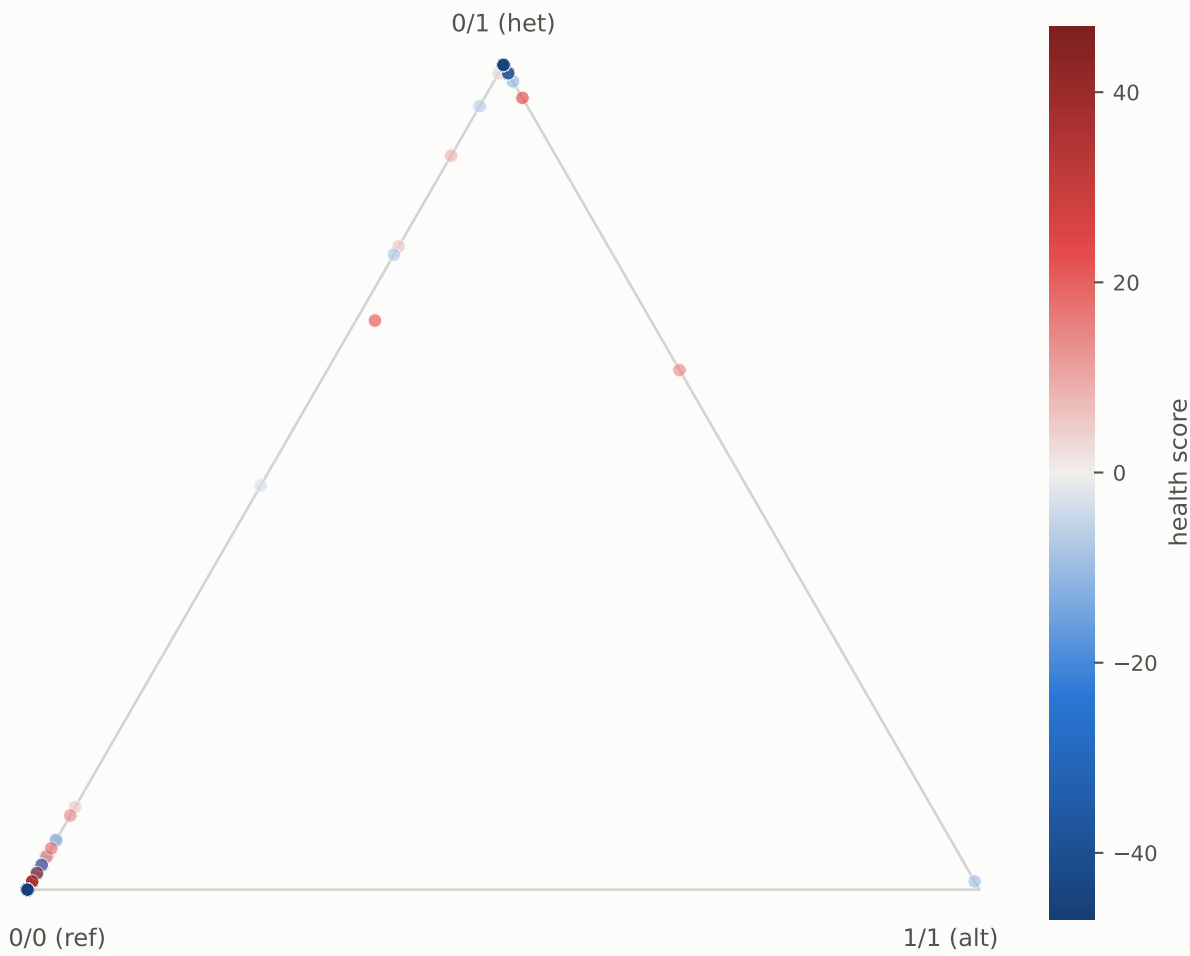
#68 by cluster health separation CHR_16:6,910,816 G>C
AF=0.037 DR2=0.83 r=+0.180 H=0.050 F=16.6



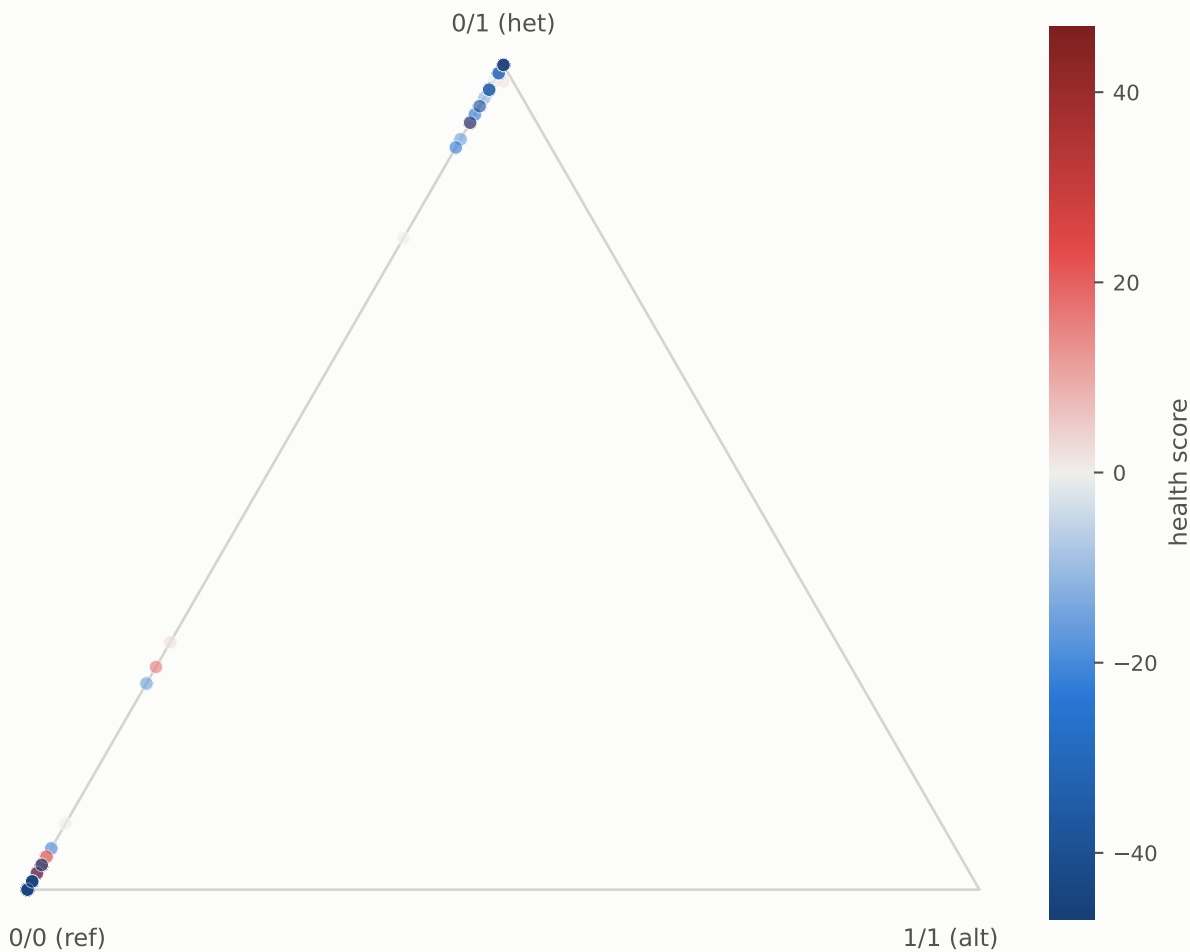
#69 by cluster health separation CHR_15:10,638,840 A>T
AF=0.051 DR2=0.95 $r=+0.138$ $H=0.018$ $F=16.6$



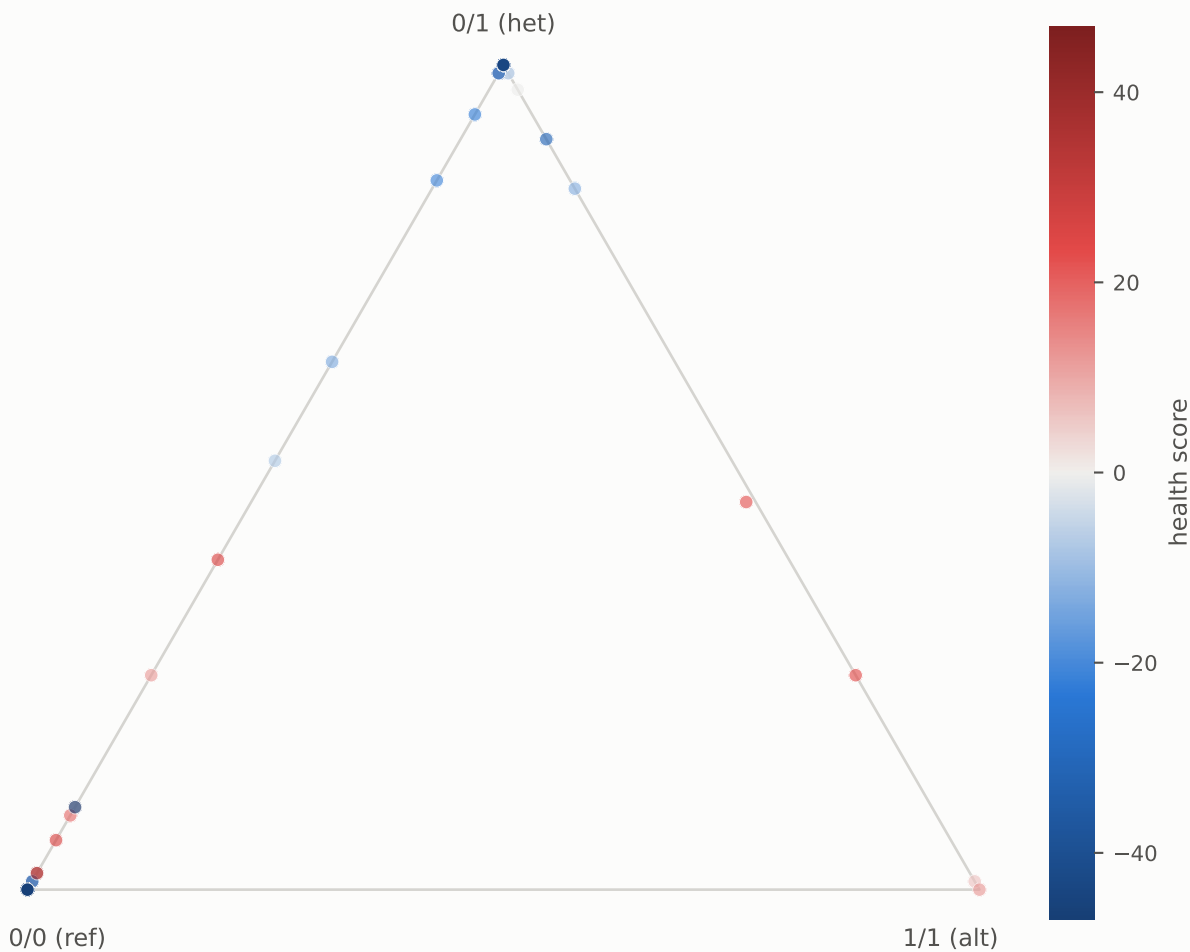
#70 by cluster health separation CHR_10:9,248,785 C>T
AF=0.058 DR2=0.95 r=-0.189 H=0.017 F=16.6



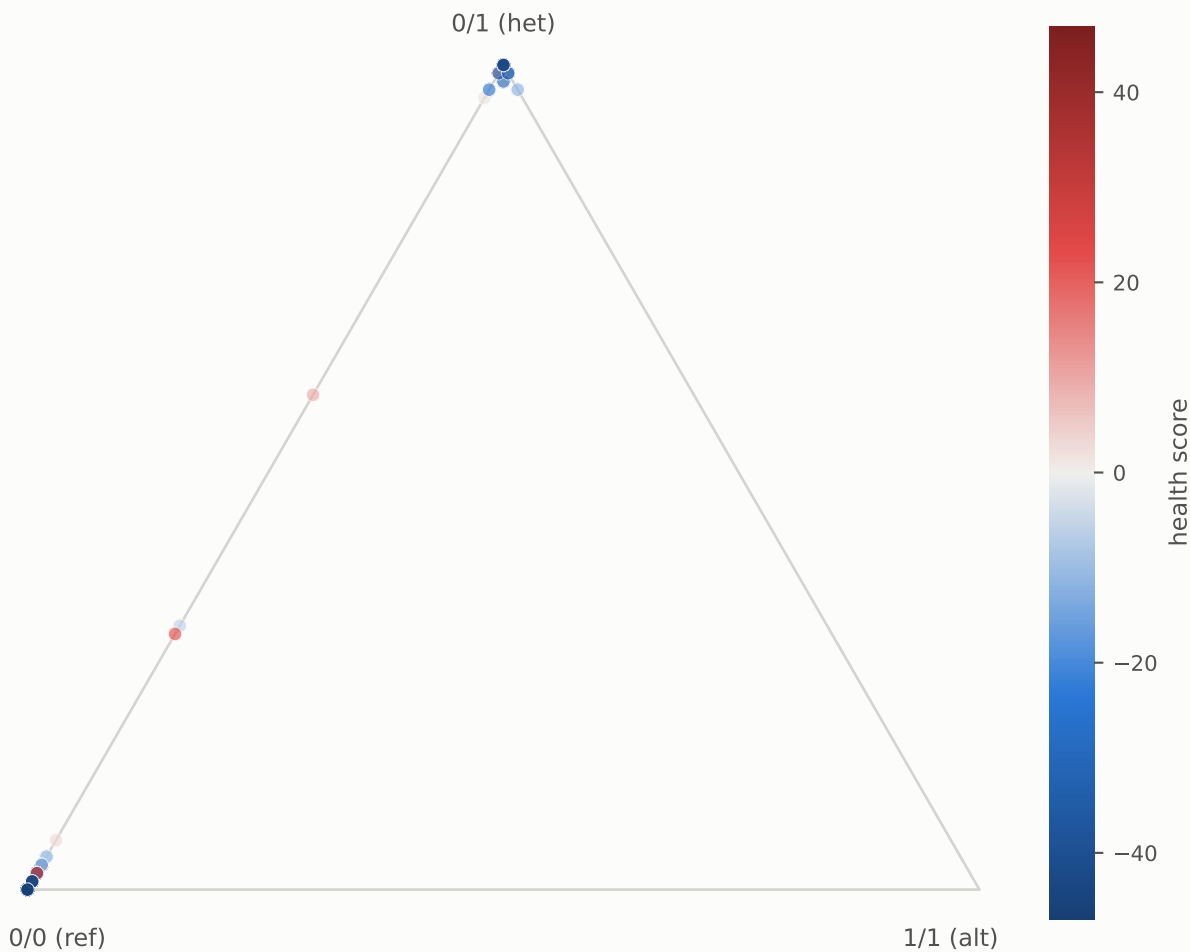
#71 by cluster health separation CHR_04:1,164,911 G>A
AF=0.03 DR2=0.86 r=-0.186 H=0.033 F=16.3



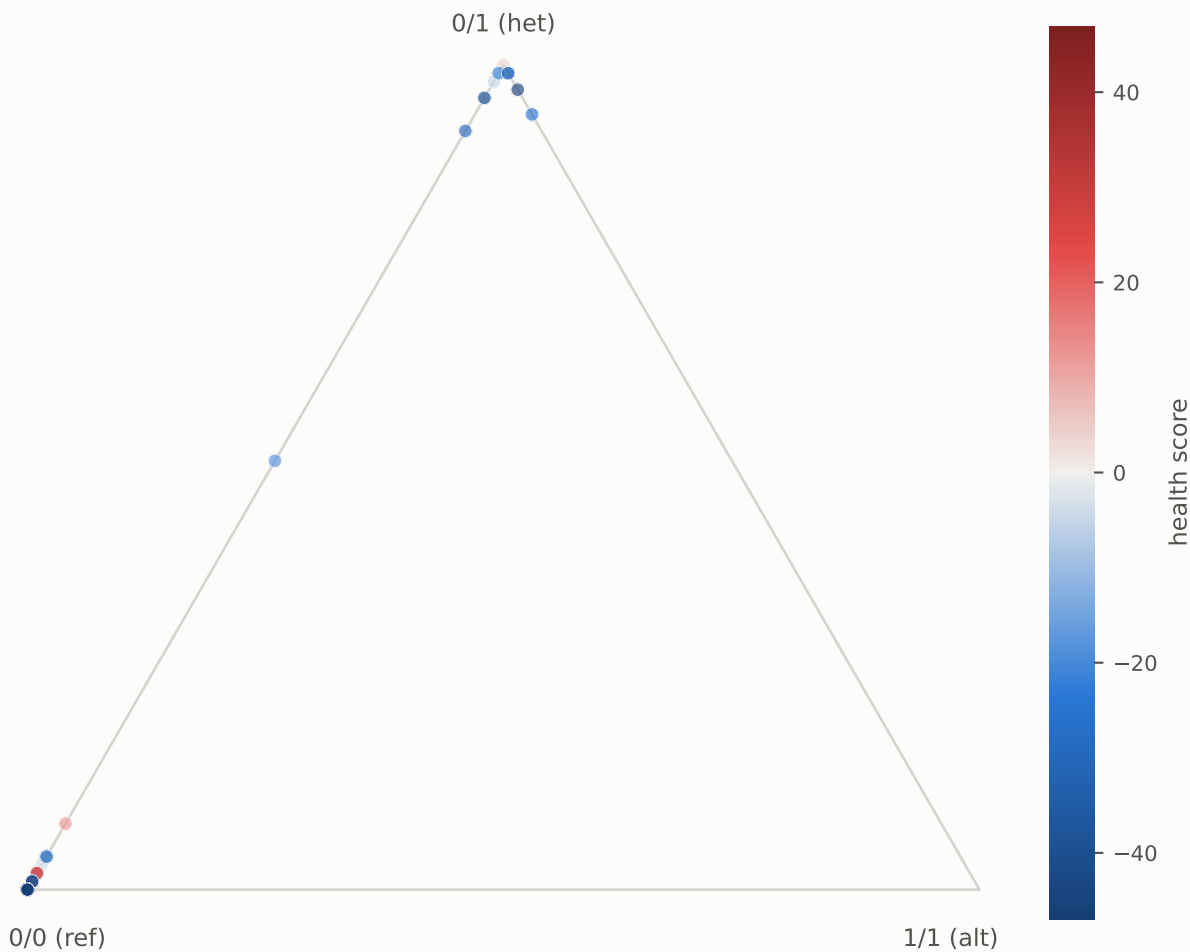
#72 by cluster health separation CHR_15:2,431,009 C>T
AF=0.048 DR2=0.95 r=-0.115 H=0.016 F=16.3



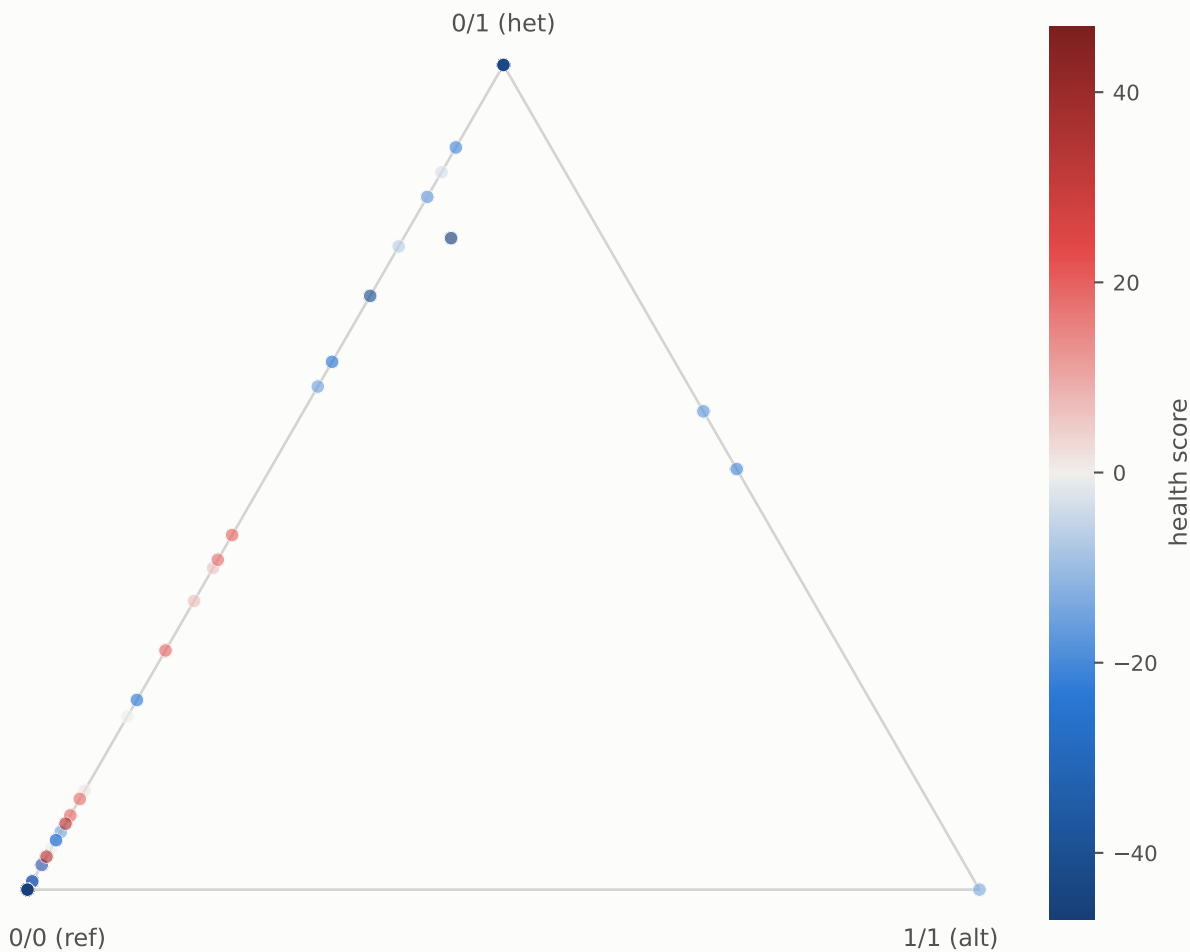
#73 by cluster health separation CHR_05:7,974,218 G>A
AF=0.02 DR2=0.85 r=-0.188 H=0.023 F=16.3



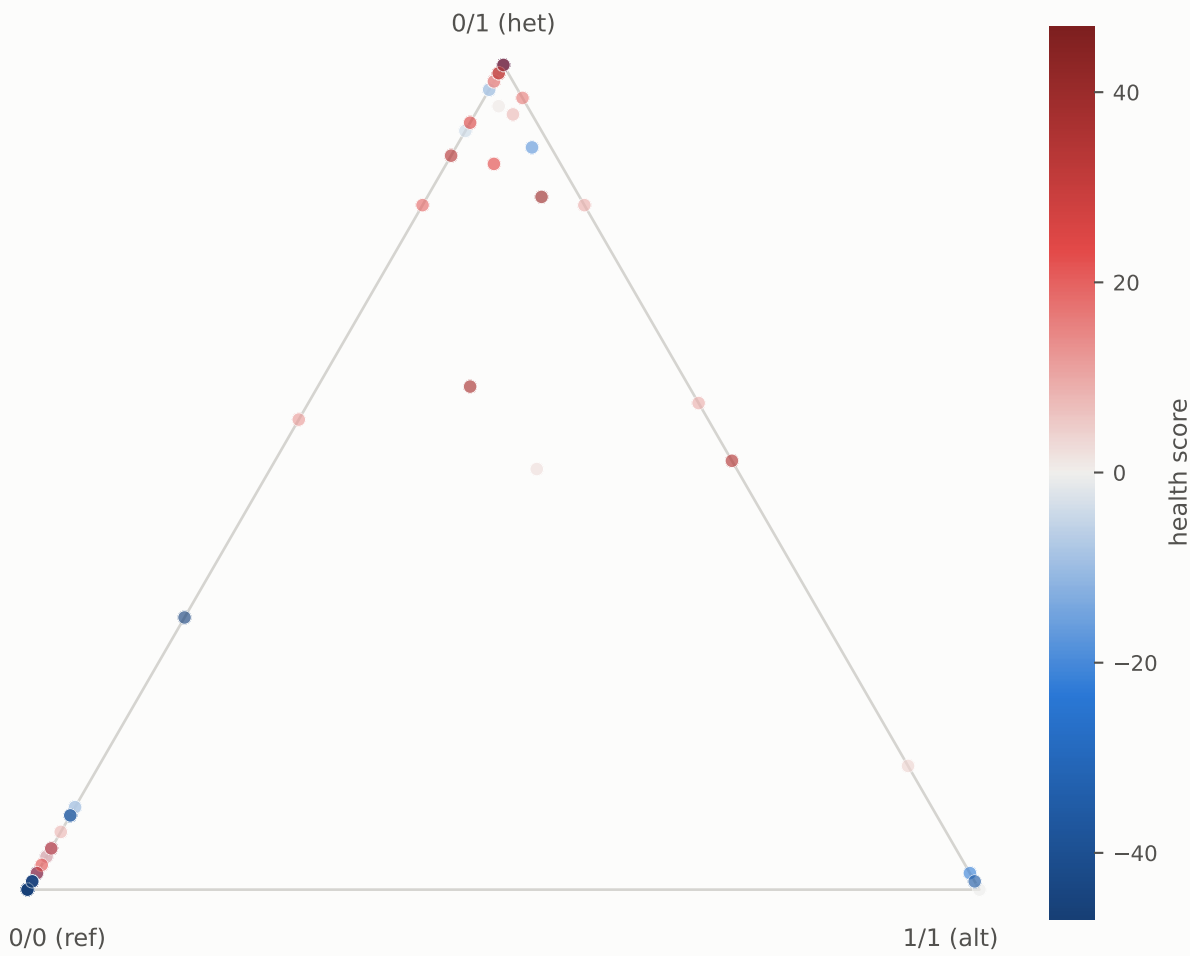
#74 by cluster health separation CHR_03:5,920,395 G>A
AF=0.01 DR2=0.88 $r=-0.187$ H=0.011 F=16.3



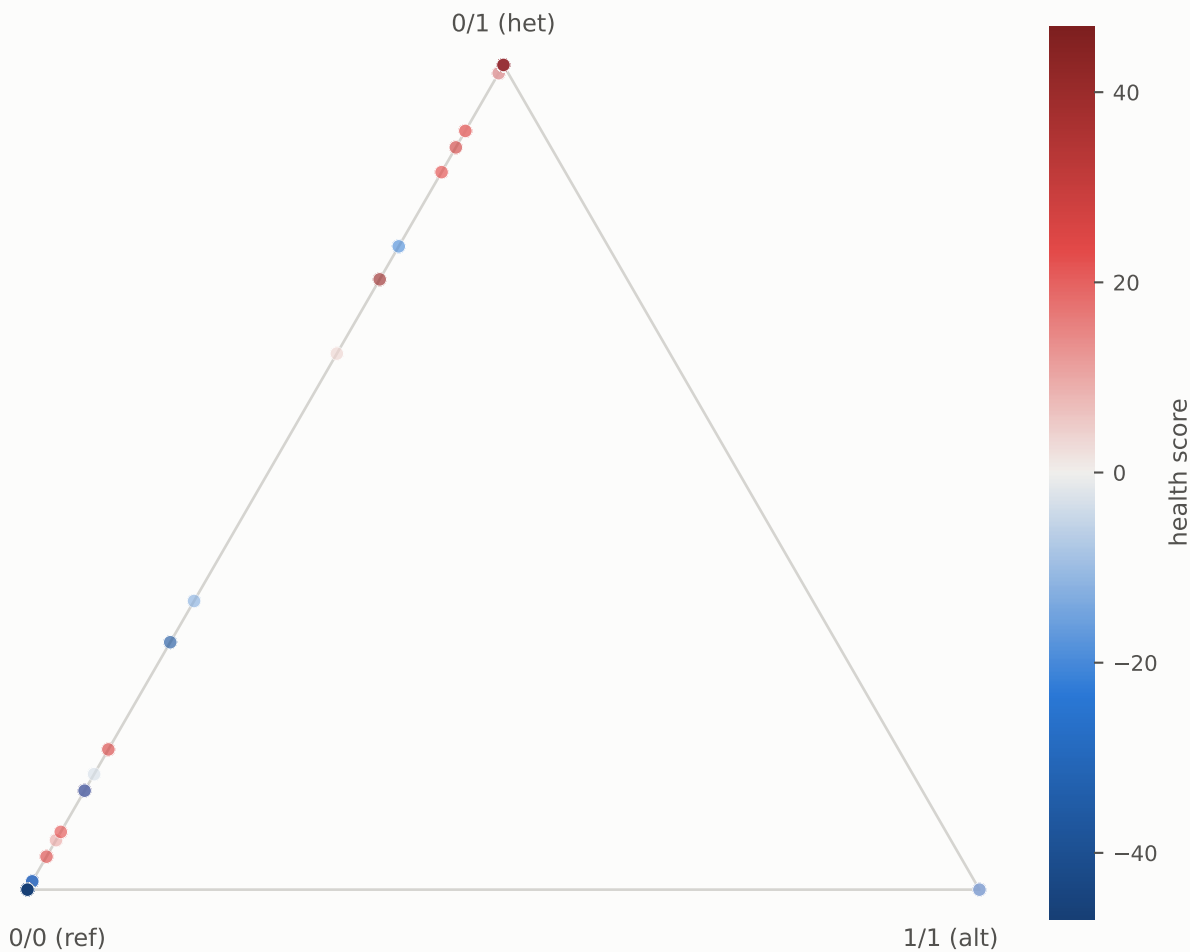
#75 by cluster health separation CHR_01:45,685,706 C>T
AF=0.067 DR2=0.91 $r=-0.173$ $\bar{H}=0.030$ F=16.3



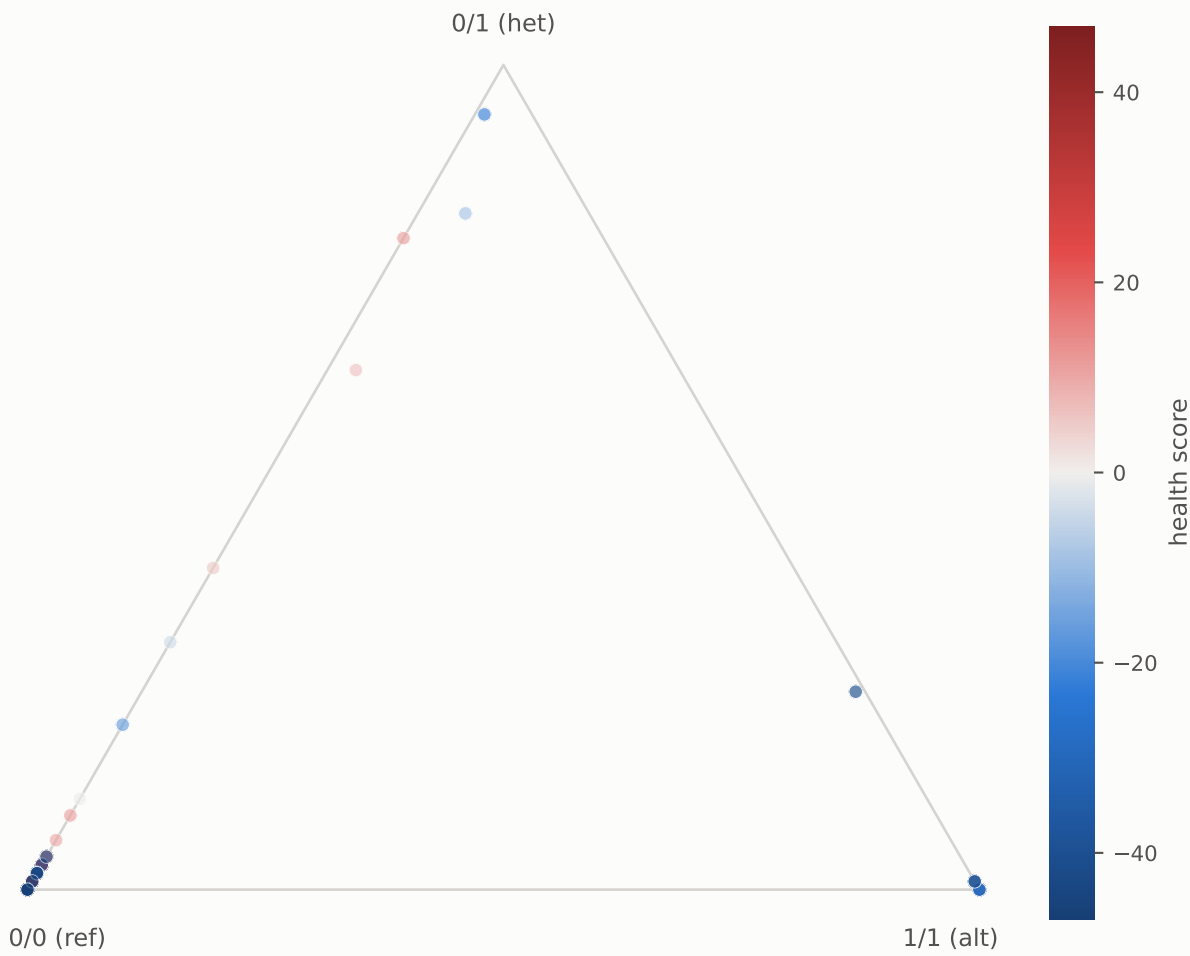
#76 by cluster health separation CHR_17:24,039,322 A>G
AF=0.067 DR2=0.92 $r=+0.123$ $H=0.032$ $F=16.3$



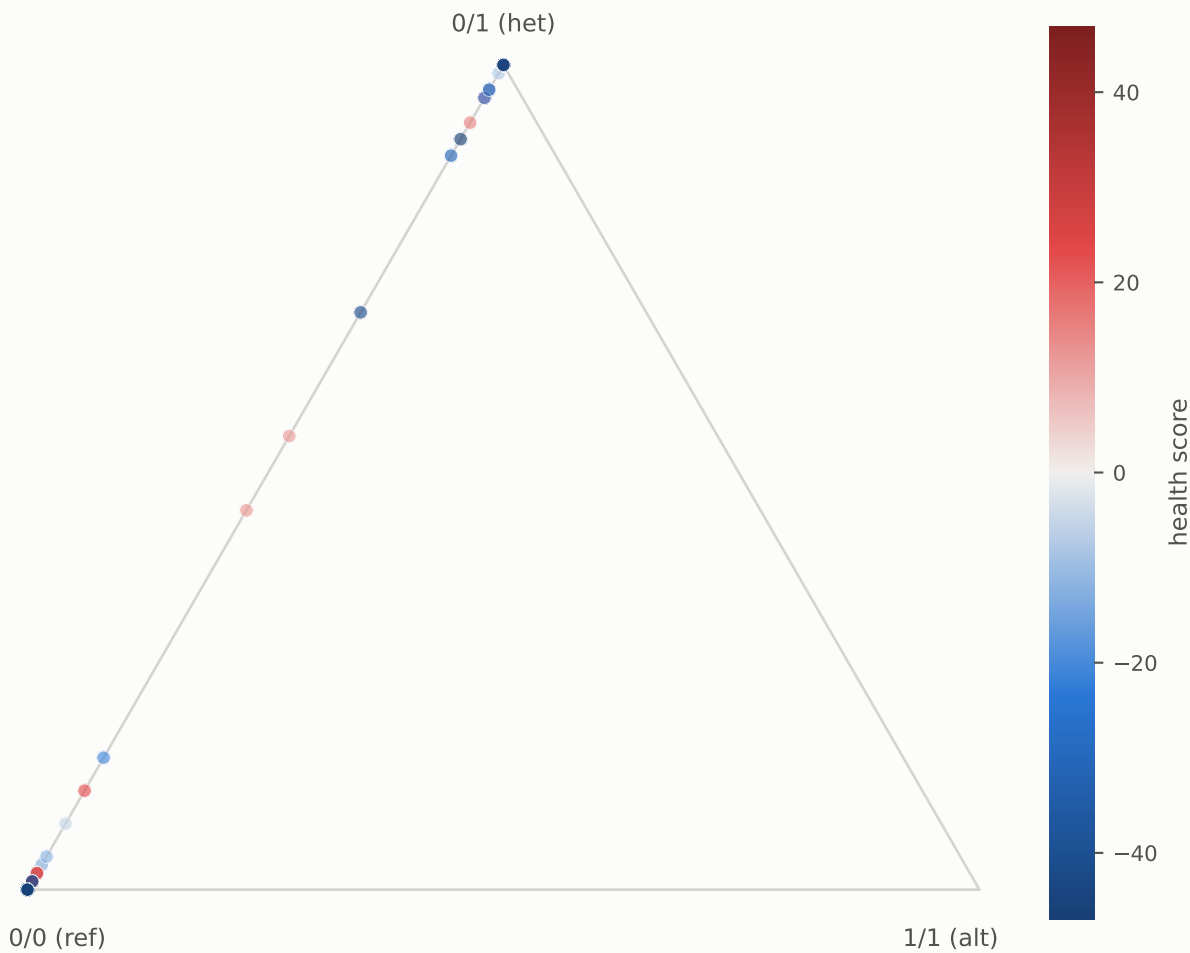
#77 by cluster health separation CHR_07:24,666,070 C>A
AF=0.087 DR2=0.97 $r=+0.166$ $H=0.015$ F=16.2



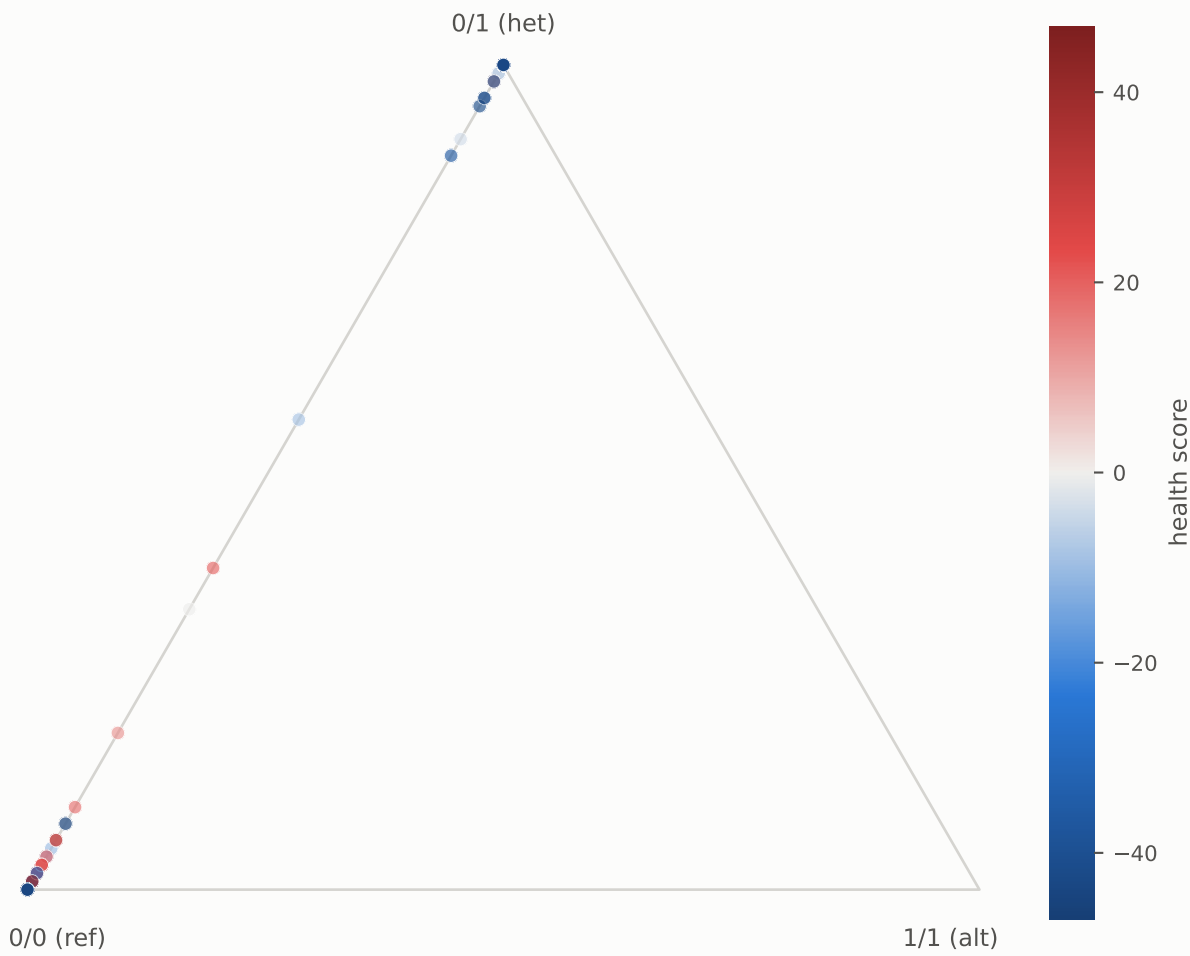
#78 by cluster health separation CHR_05:31,942,189 G>A
AF=0.021 DR2=0.85 r=-0.185 H=0.041 F=16.1



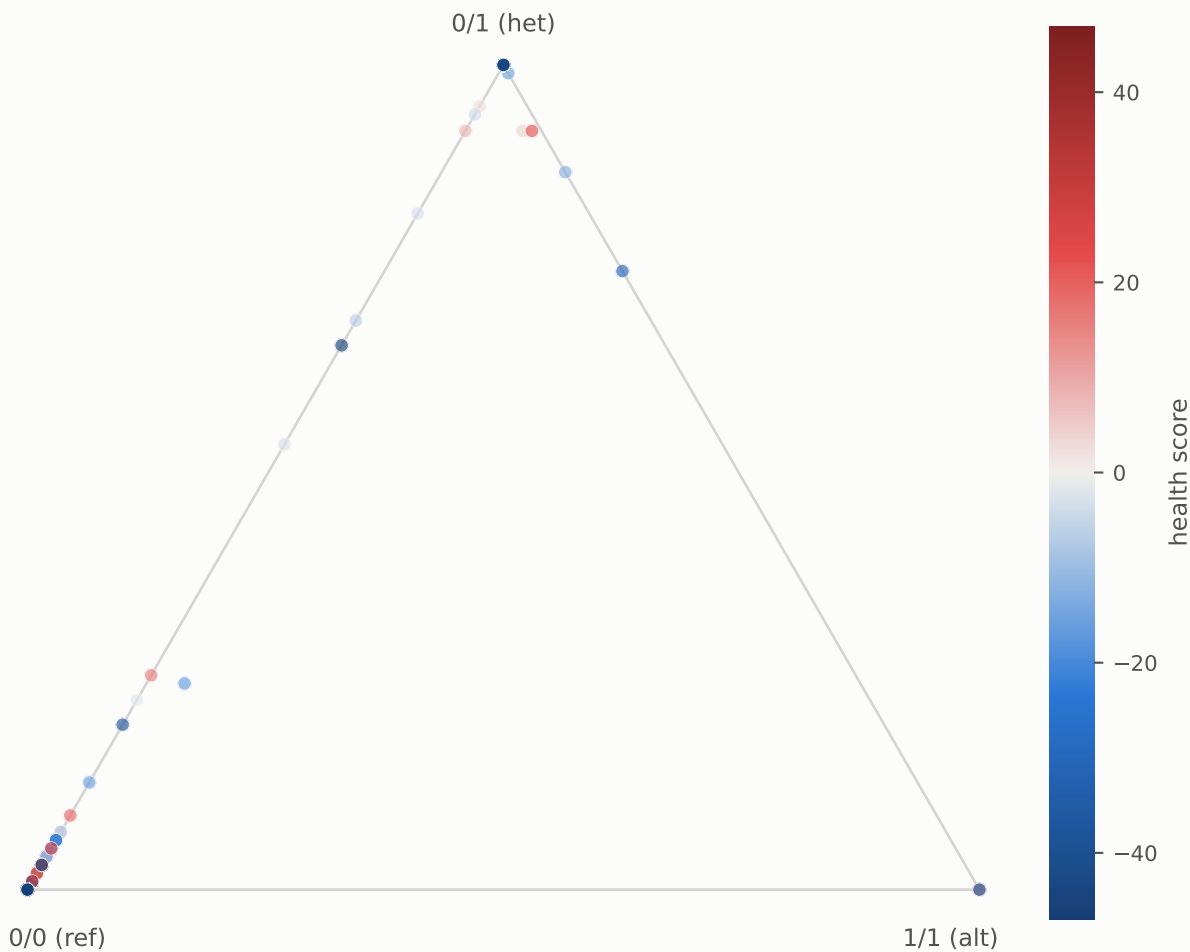
#79 by cluster health separation unpi-scaff_003:131,235 C>T
AF=0.034 DR2=0.92 r=-0.182 H=0.017 F=16.1



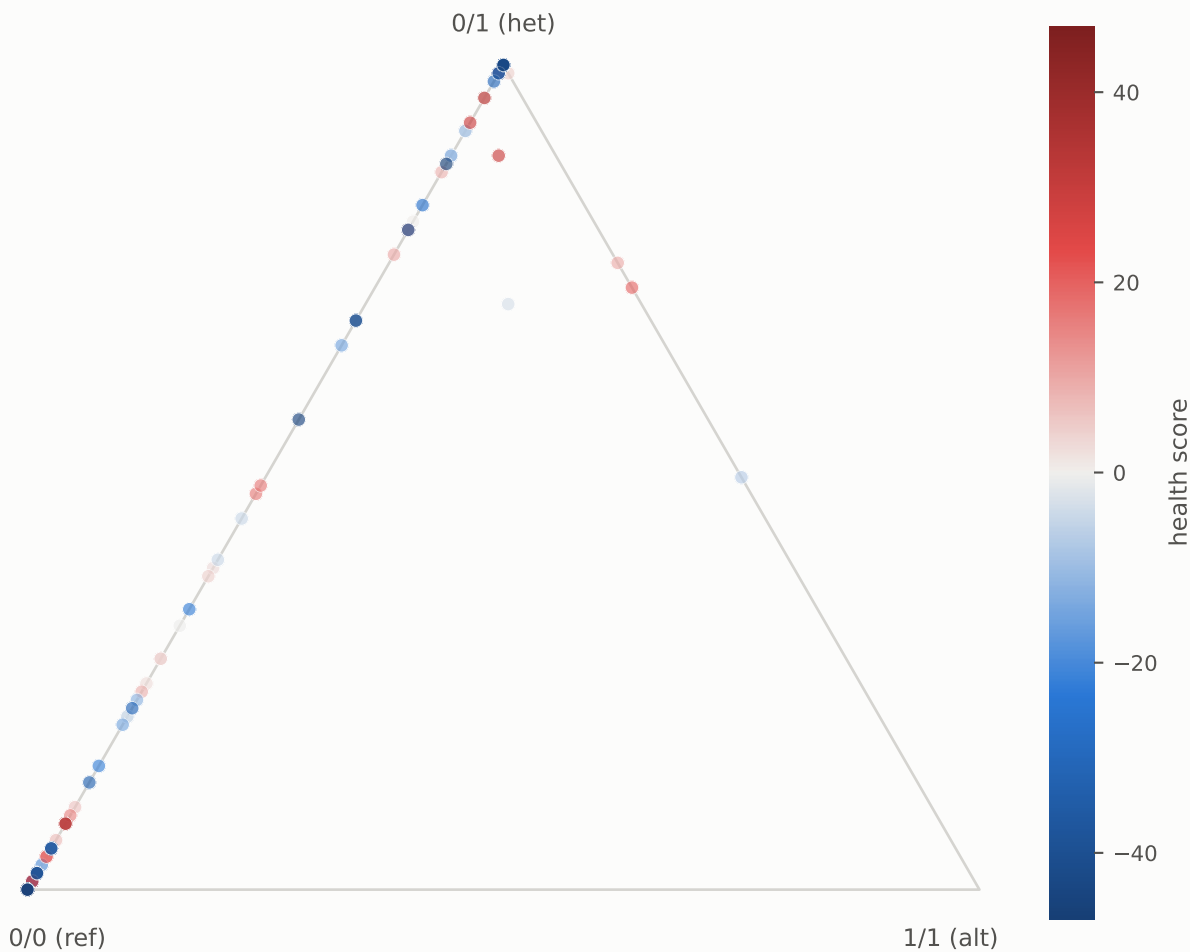
#80 by cluster health separation CHR_01:17,252,867 T>C
AF=0.053 DR2=0.92 r=-0.178 H=0.019 F=16.1



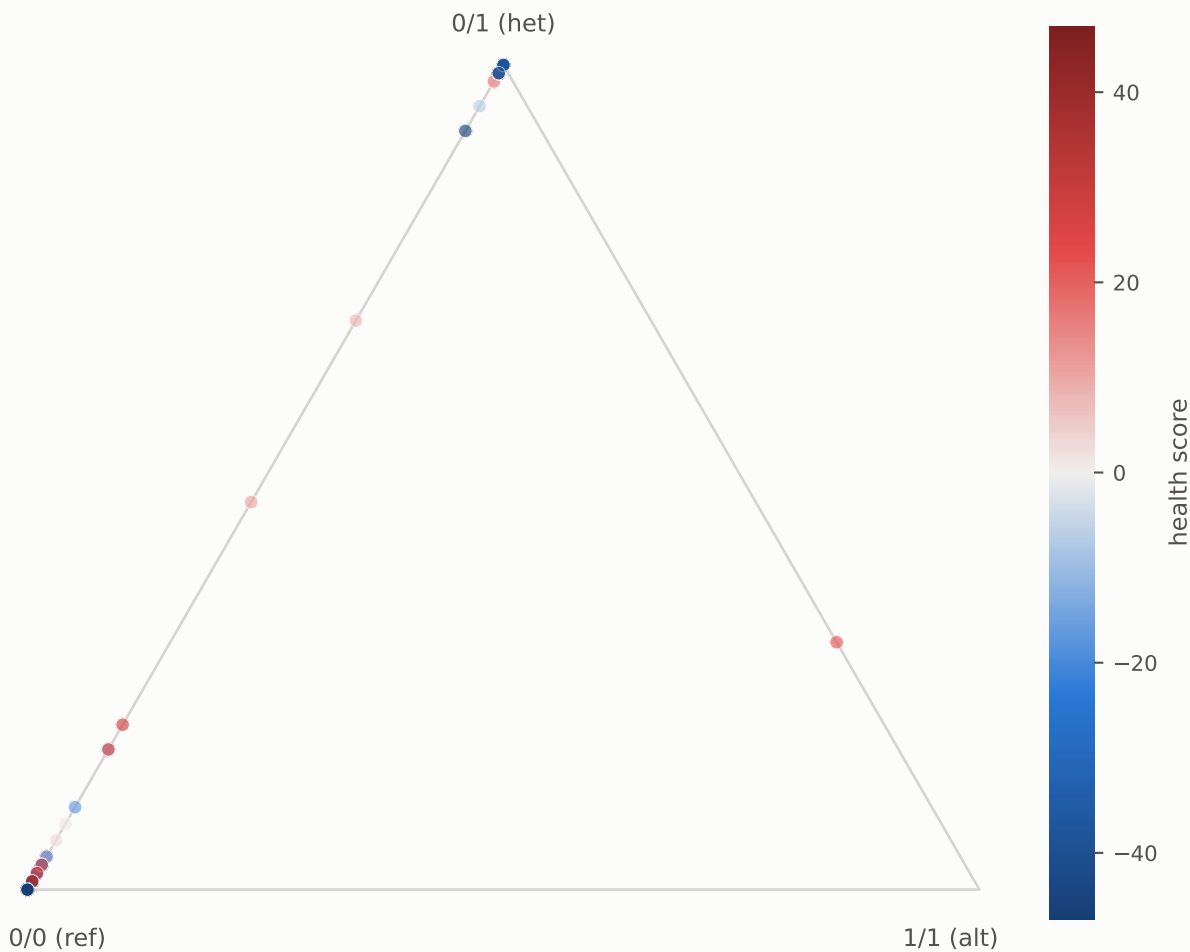
#81 by cluster health separation CHR_11:23,392,288 T>A
AF=0.053 DR2=0.94 r=-0.186 H=0.027 F=16.0



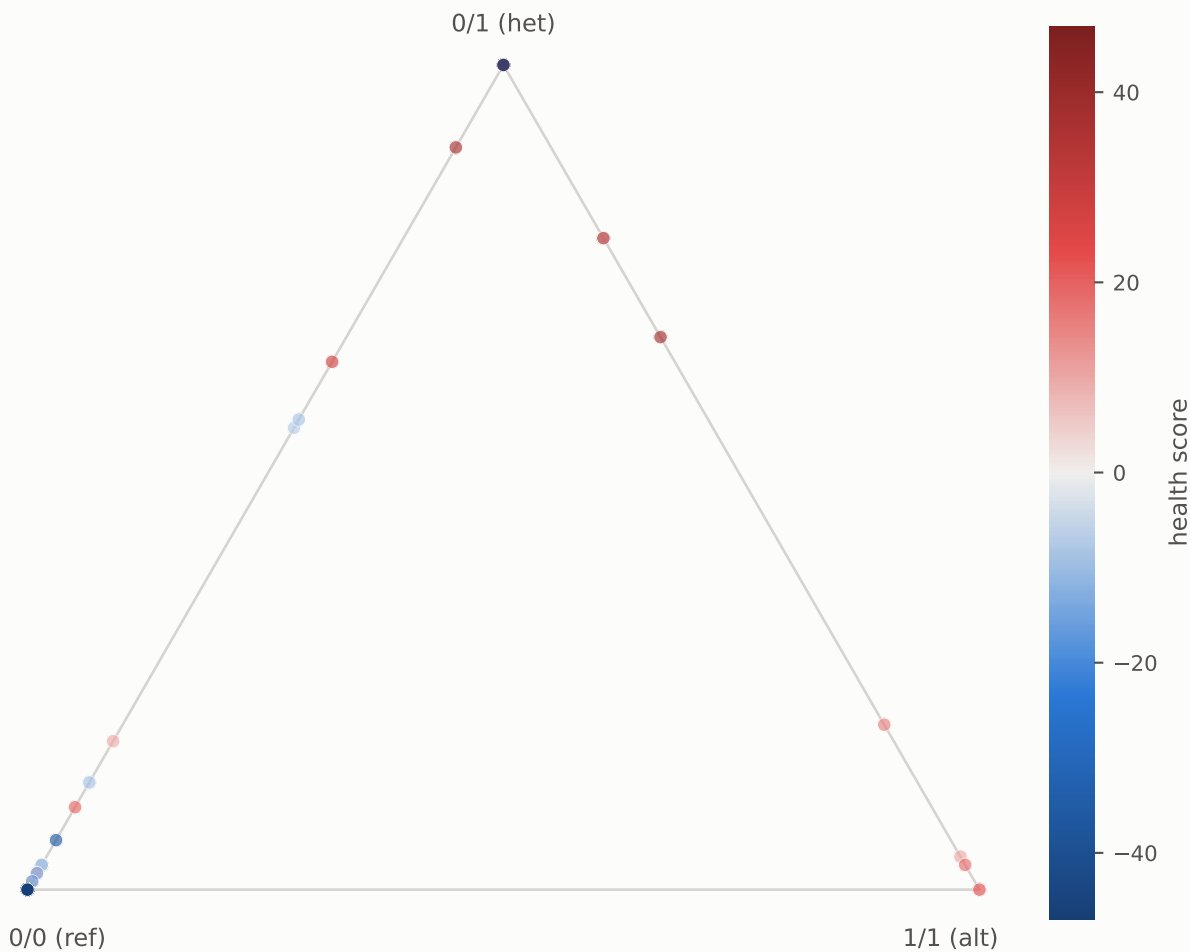
#82 by cluster health separation CHR_06:33,642,440 C>T
AF=0.059 DR2=0.85 $r=-0.169$ $H=0.064$ $F=16.0$



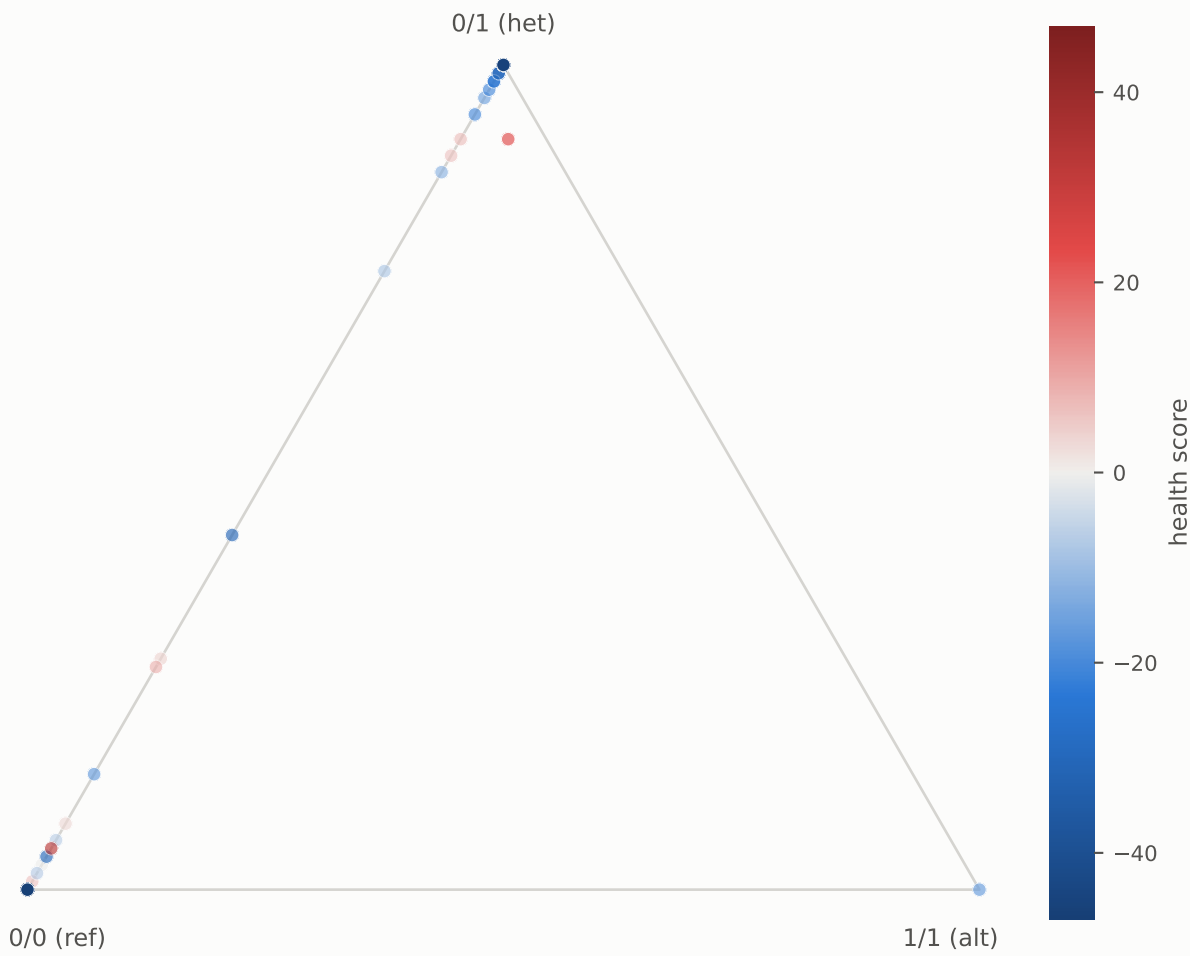
#83 by cluster health separation CHR_15:6,544,154 A>G
AF=0.043 DR2=0.93 r=-0.161 H=0.019 F=16.0



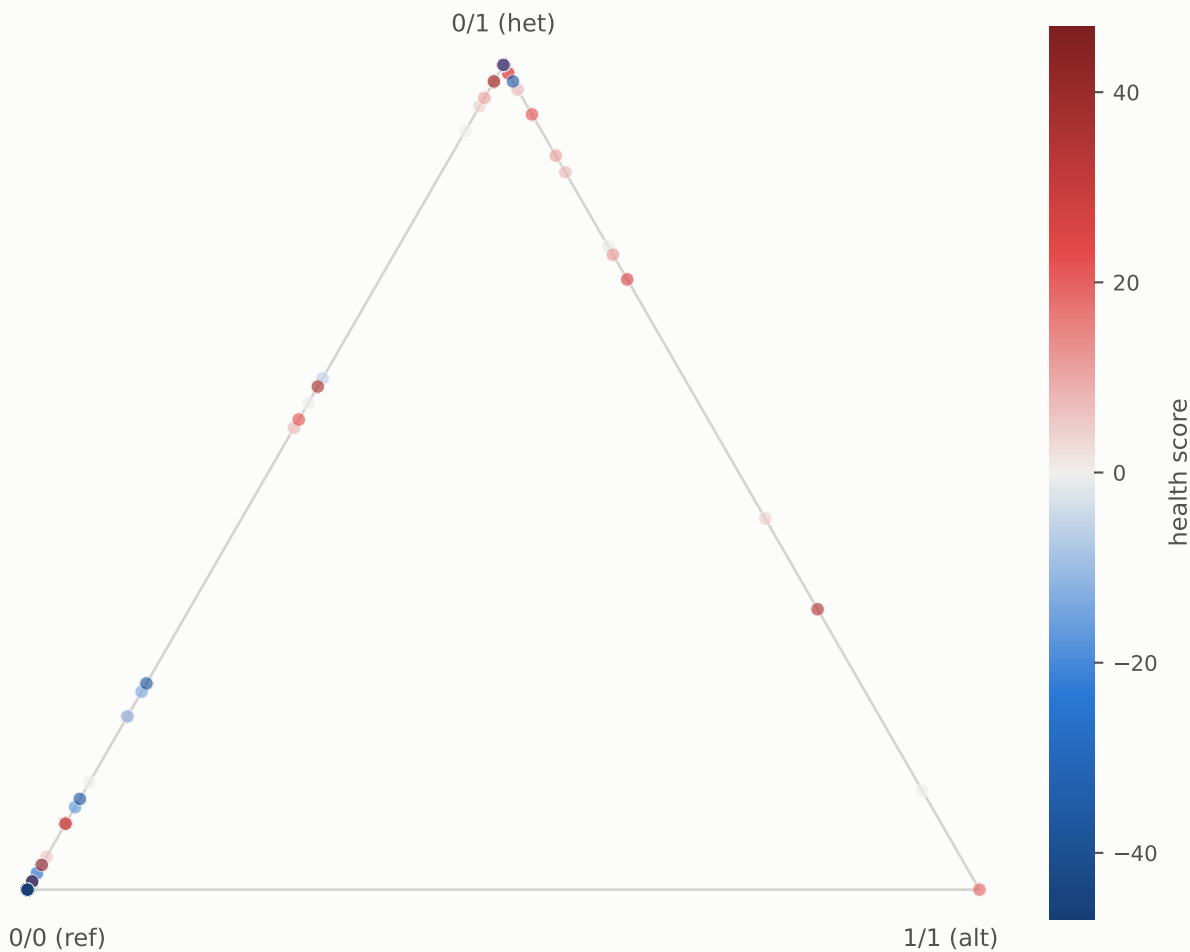
#84 by cluster health separation CHR_16:15,275,589 T>C
AF=0.06 DR2=0.96 r=+0.212 H=0.016 F=16.0



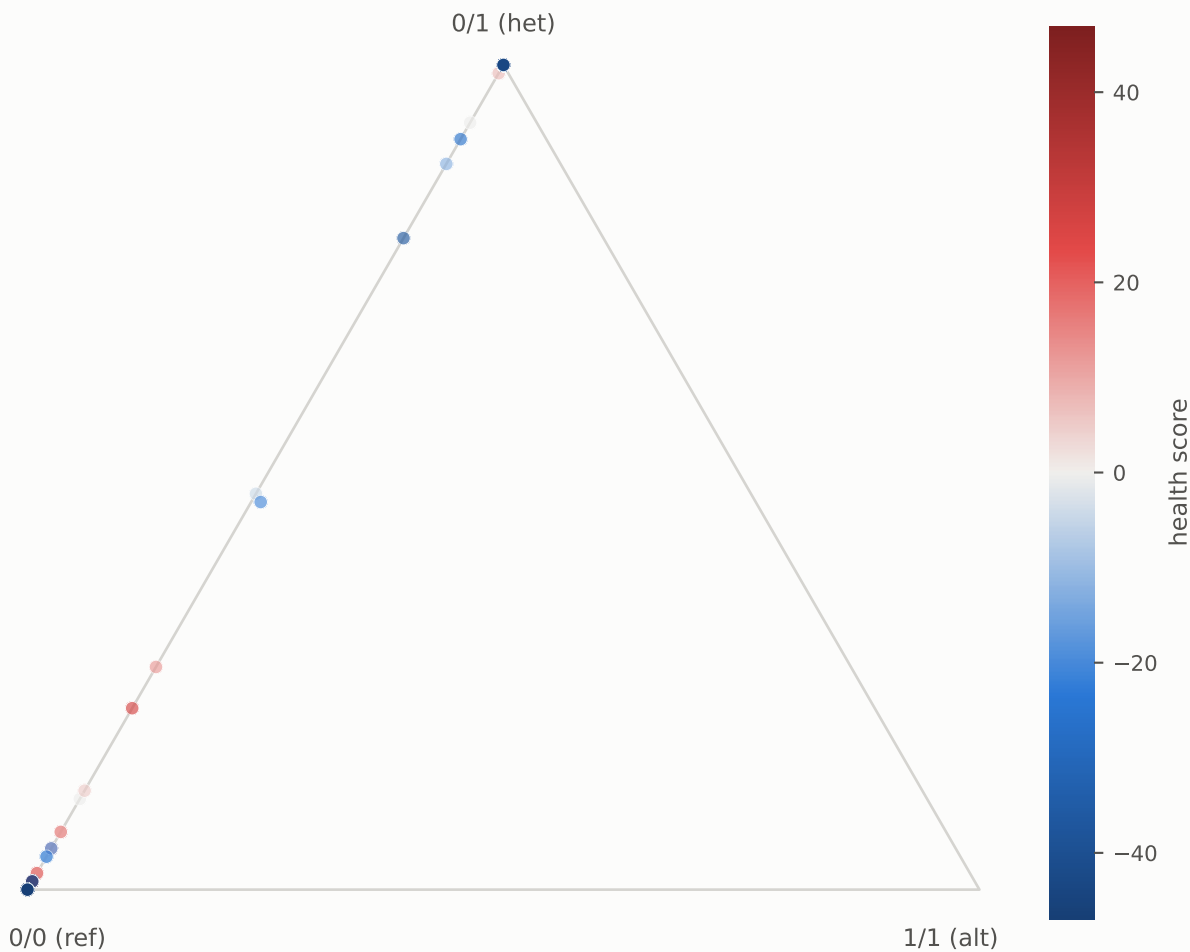
#85 by cluster health separation unpi-scaff_011:777 G>T
AF=0.069 DR2=0.97 $r=-0.194$ $H=0.014$ $F=15.9$



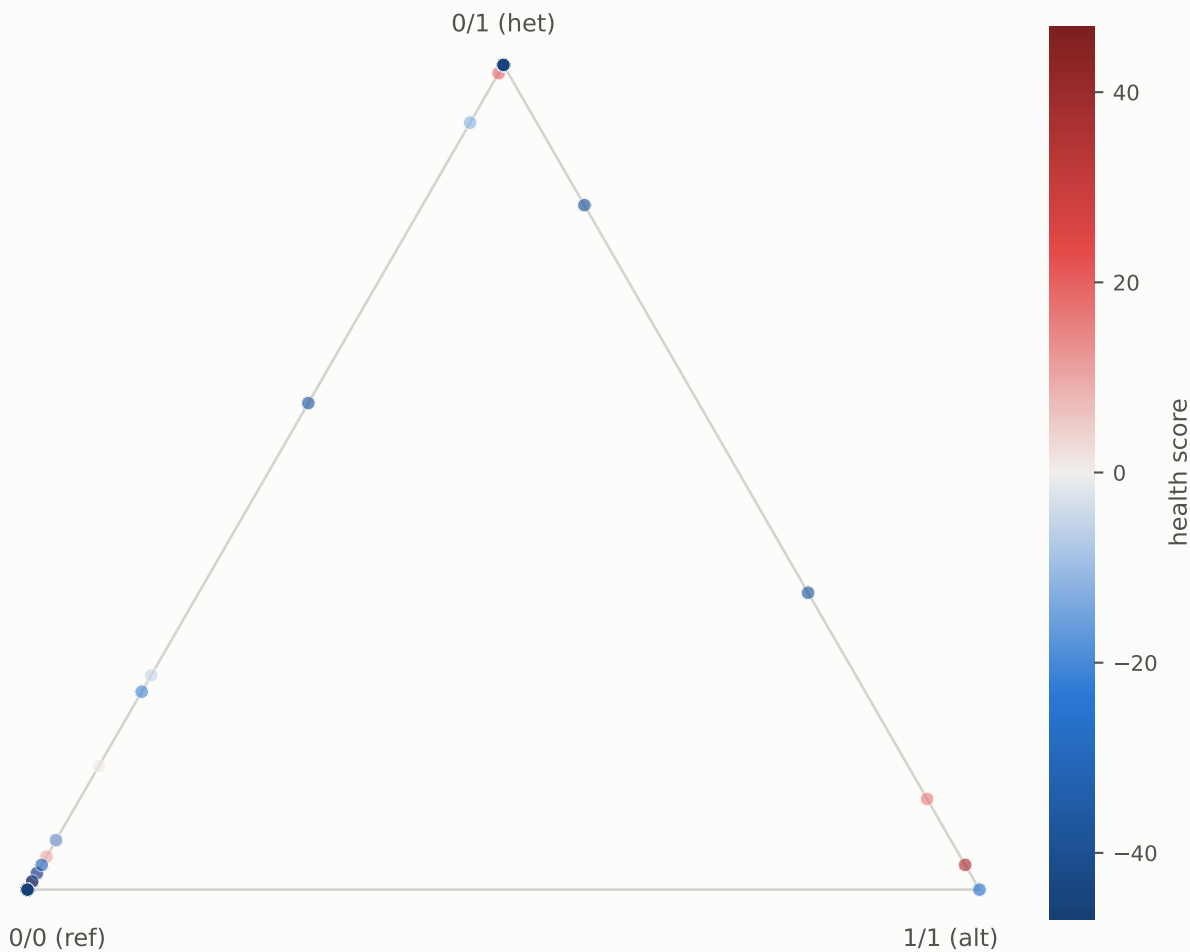
#86 by cluster health separation CHR_04:23,744,337 C>A
AF=0.066 DR2=0.93 $r=+0.193$ $\bar{H}=0.034$ F=15.9



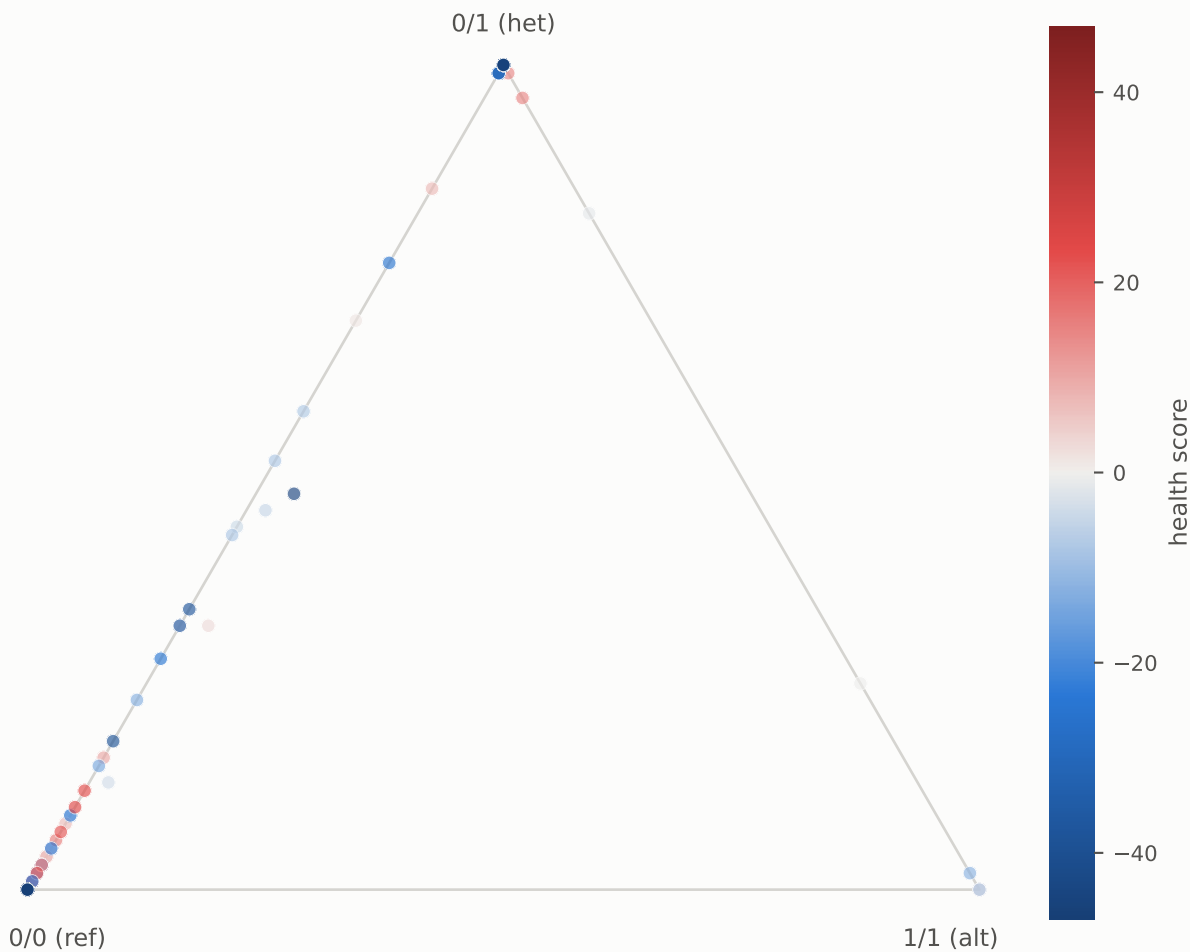
#87 by cluster health separation CHR_08:27,931,491 A>G
AF=0.041 DR2=0.91 r=-0.181 H=0.018 F=15.8



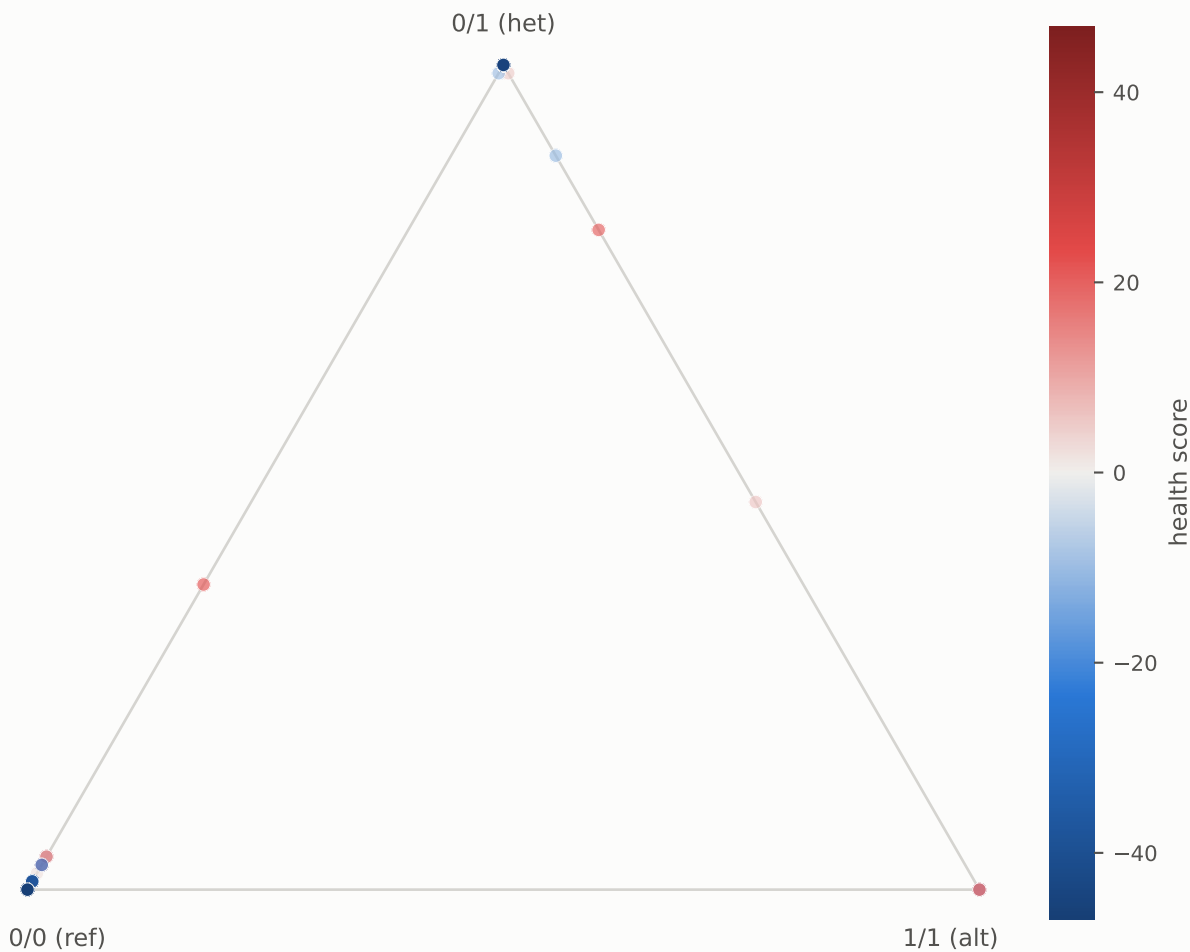
#88 by cluster health separation CHR_21:22,043,410 C>A
AF=0.043 DR2=0.95 r=-0.156 H=0.013 F=15.8



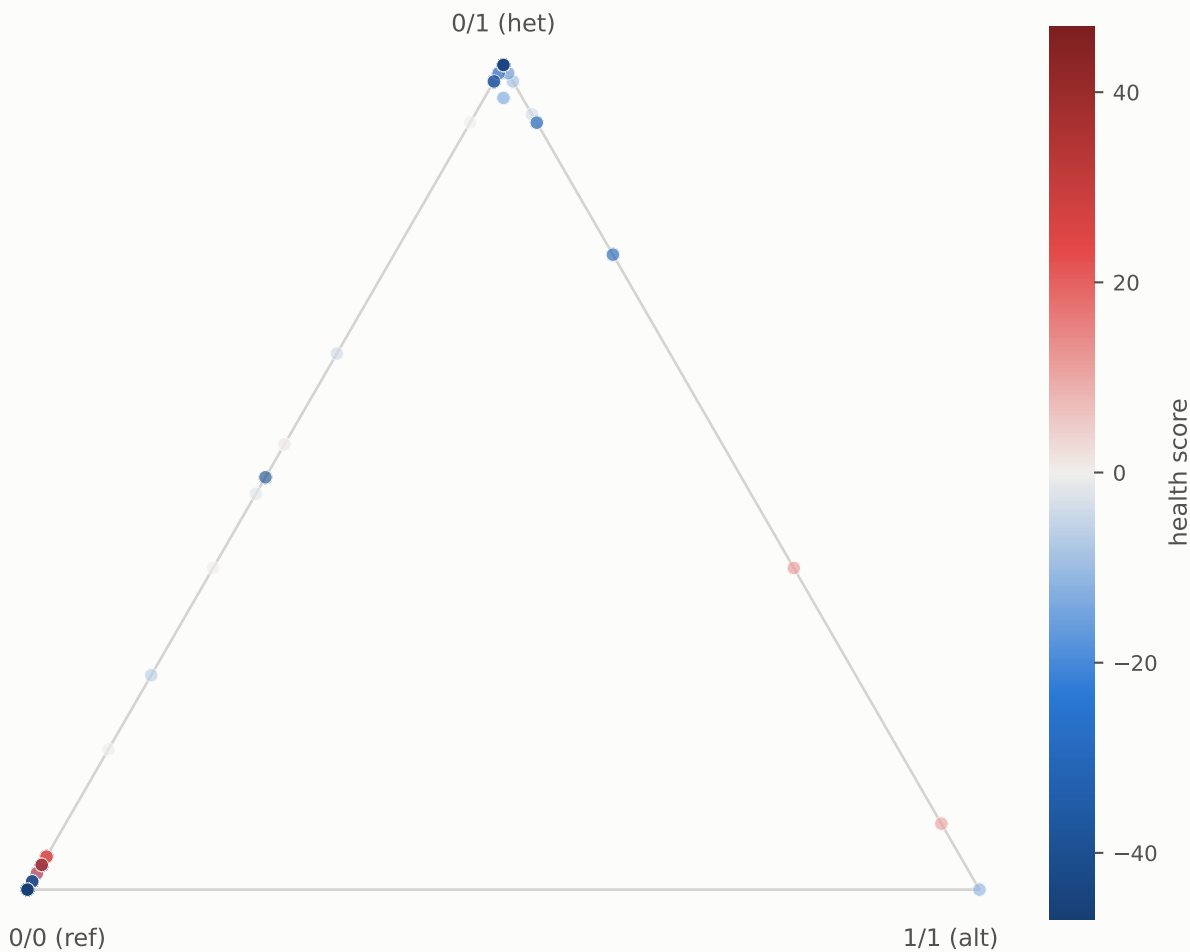
#89 by cluster health separation CHR_14:24,914,300 T>C
AF=0.069 DR2=0.89 r=-0.181 H=0.040 F=15.8



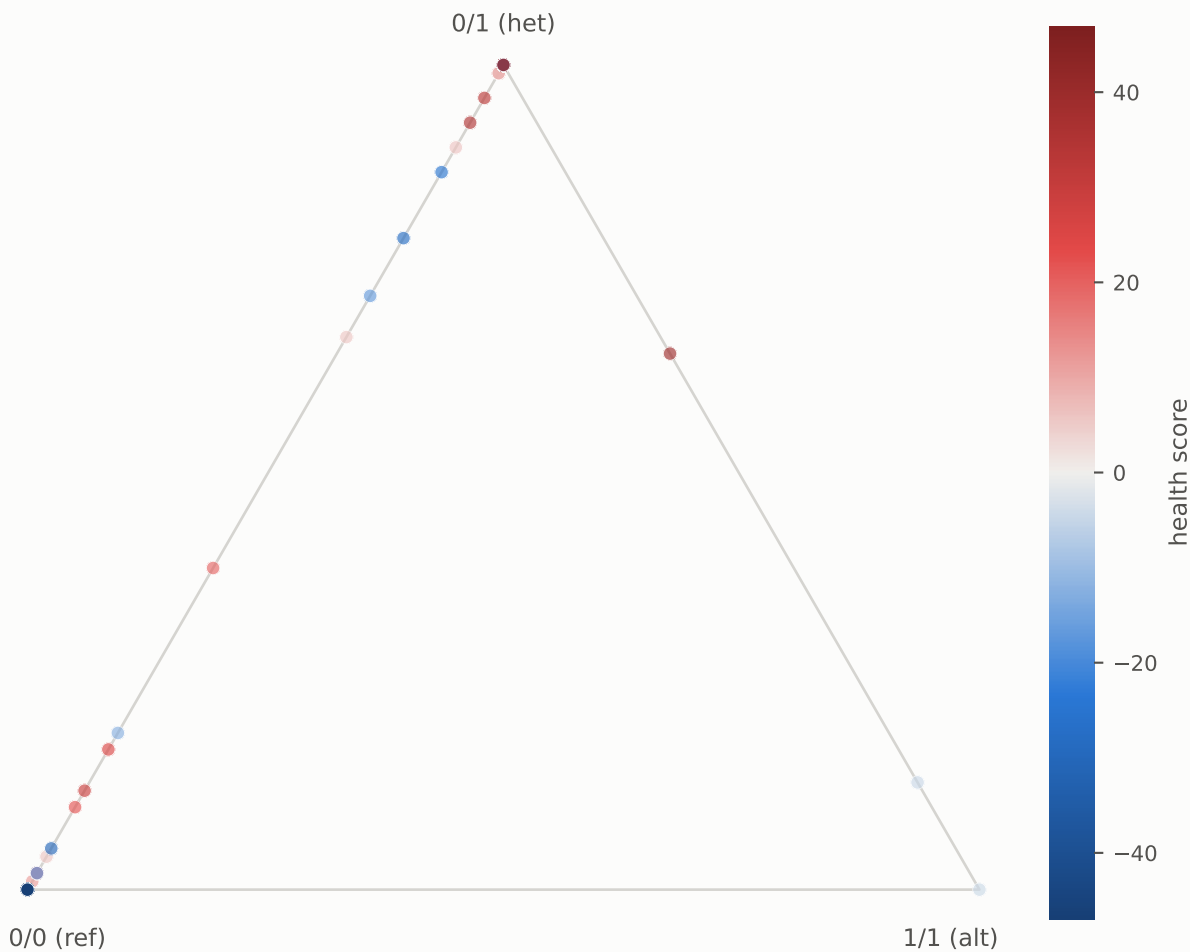
#90 by cluster health separation CHR_10:9,267,808 T>C
AF=0.075 DR2=0.98 r=-0.157 H=0.009 F=15.8



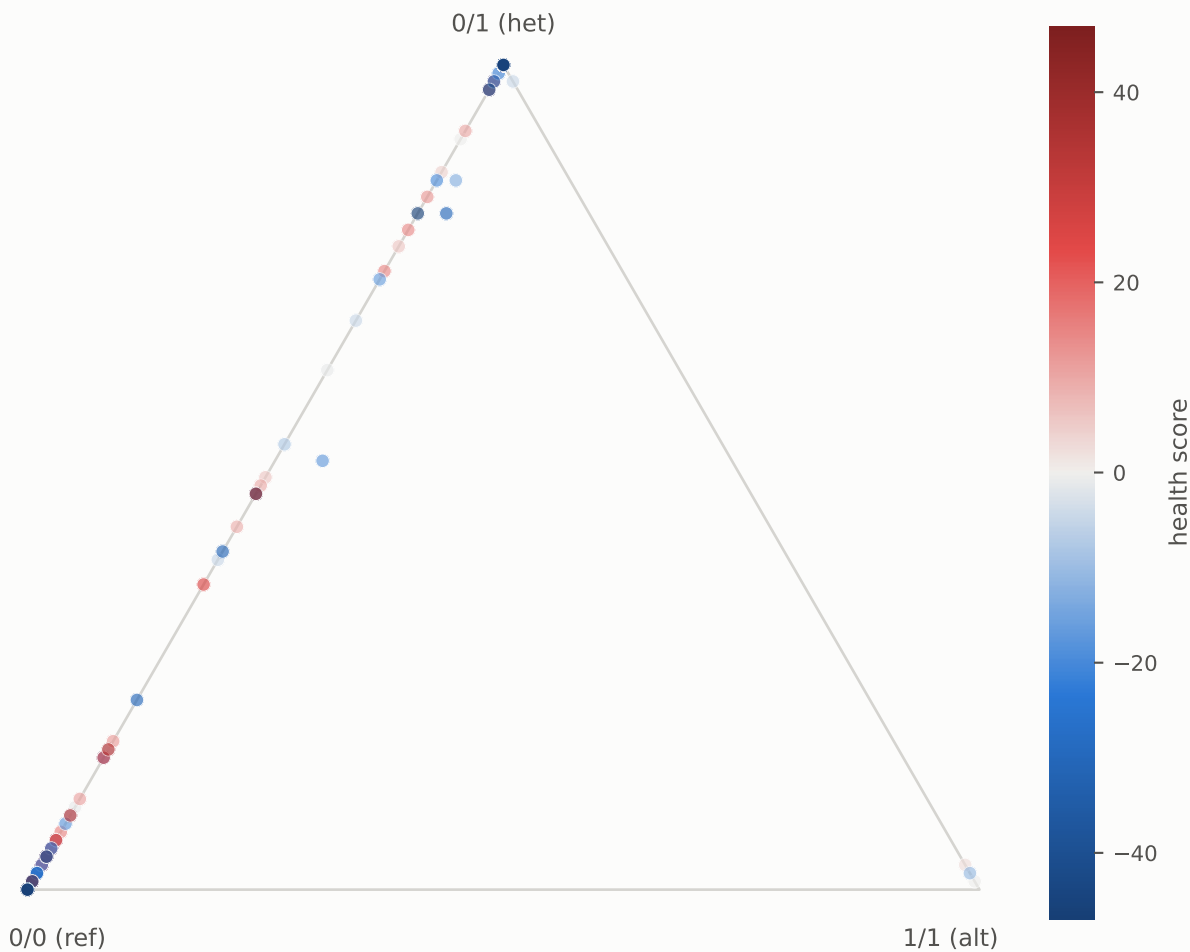
#91 by cluster health separation CHR_02:6,485,325 A>T
AF=0.041 DR2=0.91 r=-0.168 H=0.028 F=15.7



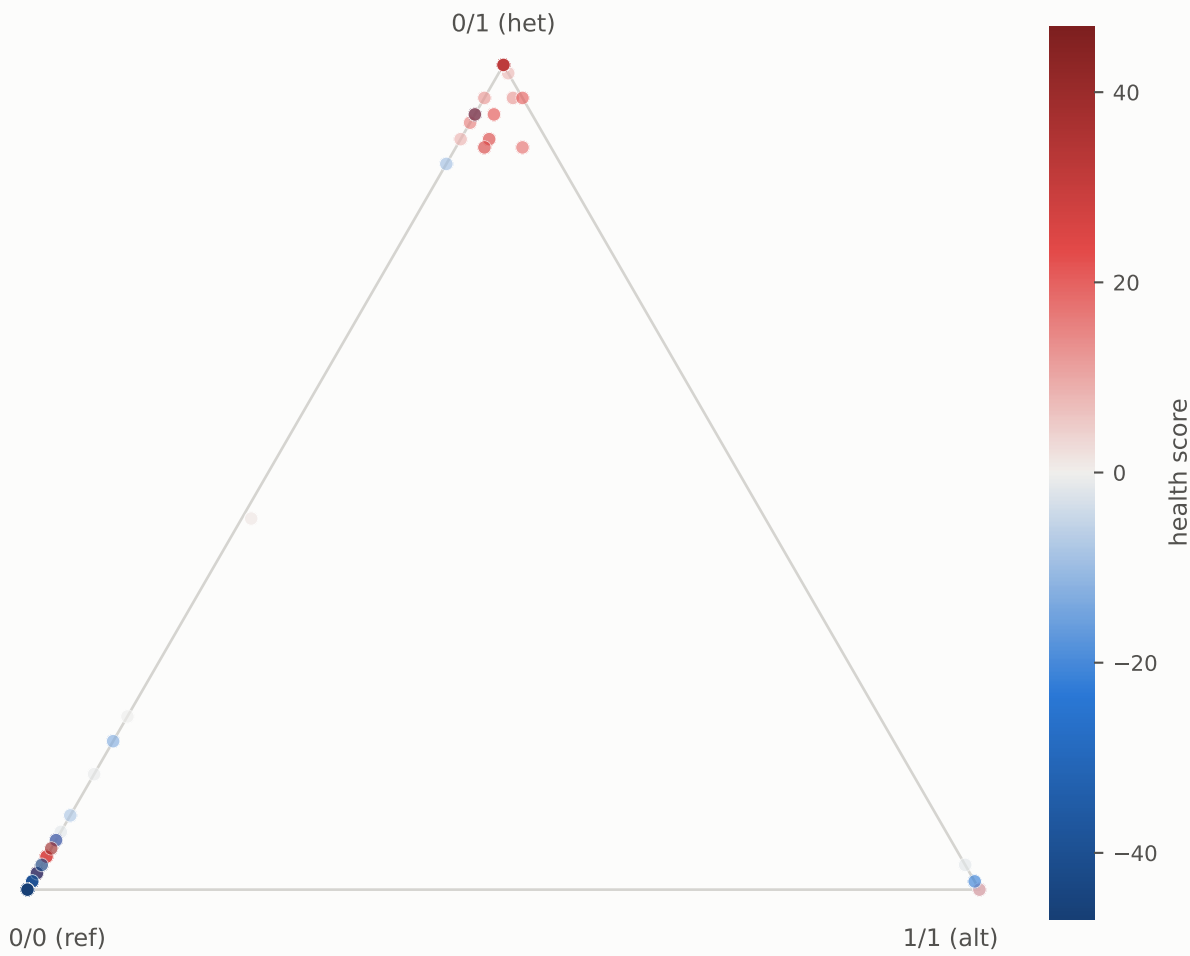
#92 by cluster health separation CHR_01:30,790,642 G>A
AF=0.078 DR2=0.96 $r=+0.184$ $\bar{H}=0.016$ F=15.7



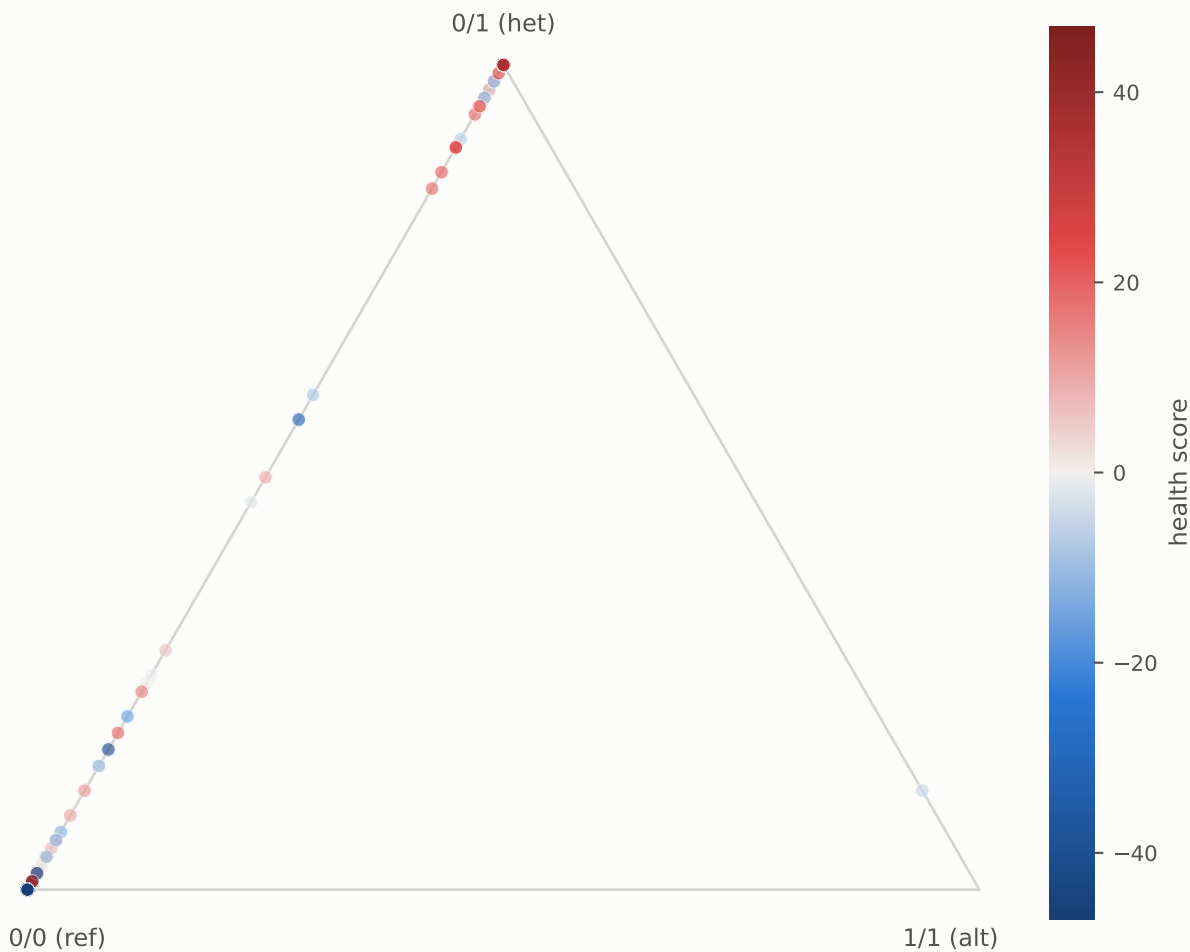
#93 by cluster health separation unpl-scaff_018:33,516 C>T
AF=0.17 DR2=0.93 r=-0.176 H=0.060 F=15.6



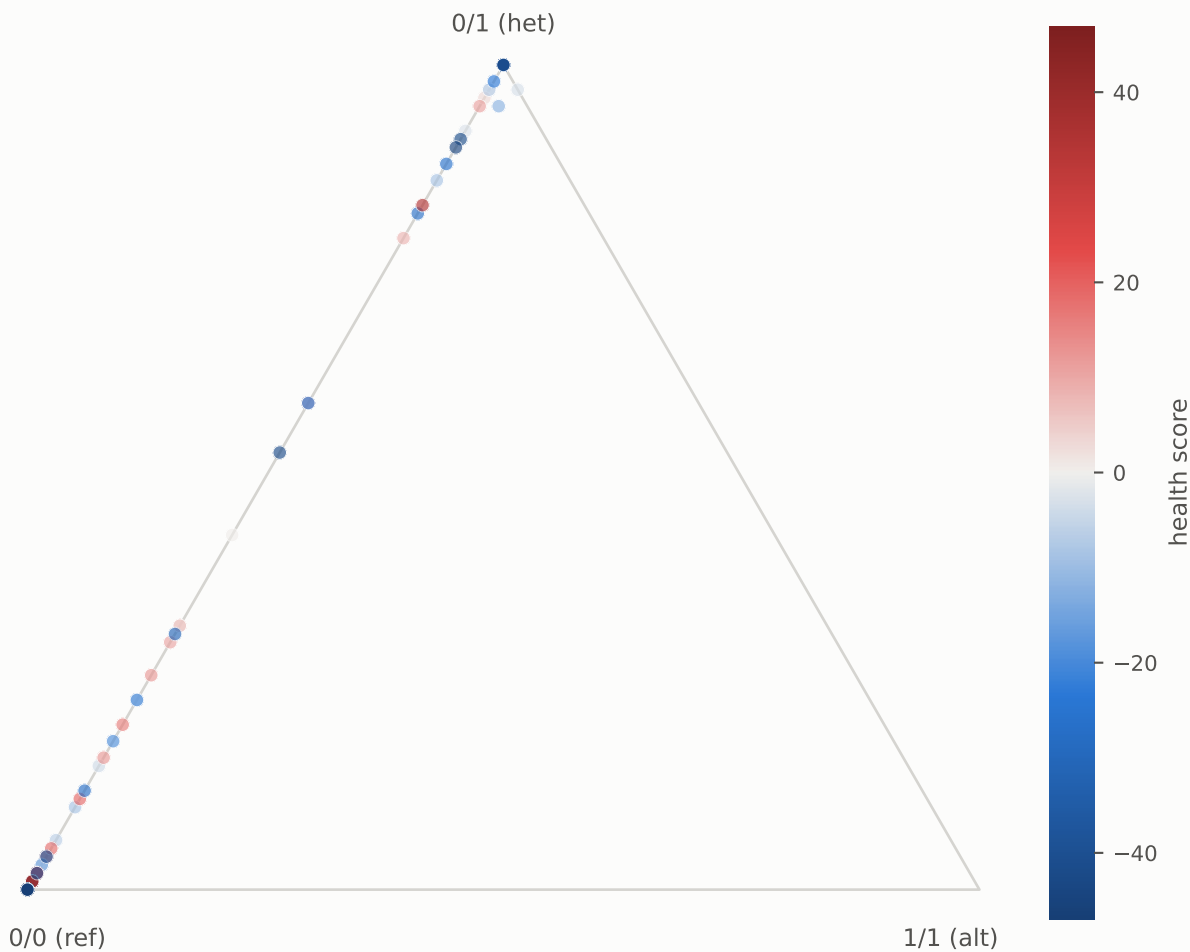
#94 by cluster health separation CHR_10:7,180,502 C>T
AF=0.028 DR2=0.91 r=+0.124 H=0.022 F=15.6



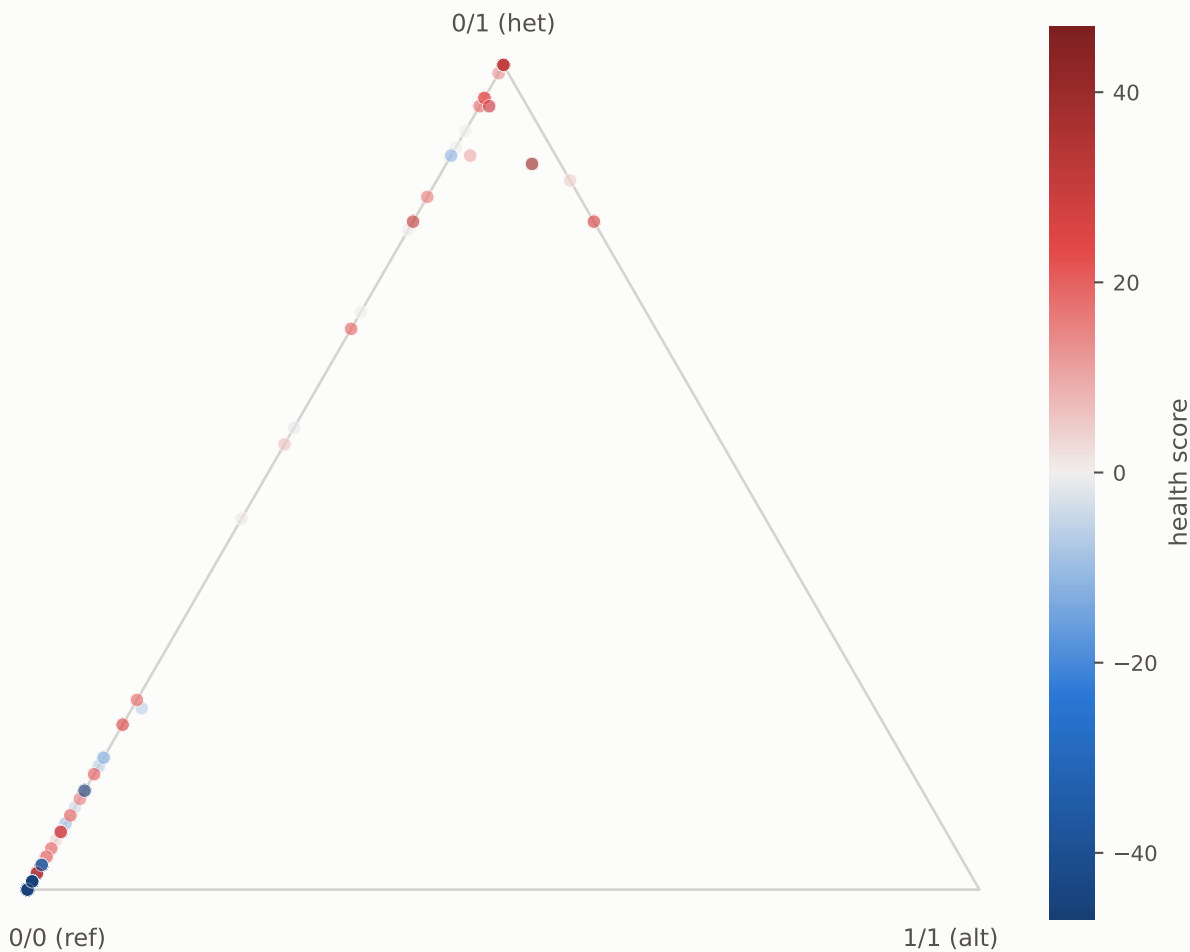
#95 by cluster health separation CHR_05:13,097,598 C>T
AF=0.061 DR2=0.91 $r=+0.182$ $H=0.033$ $F=15.6$



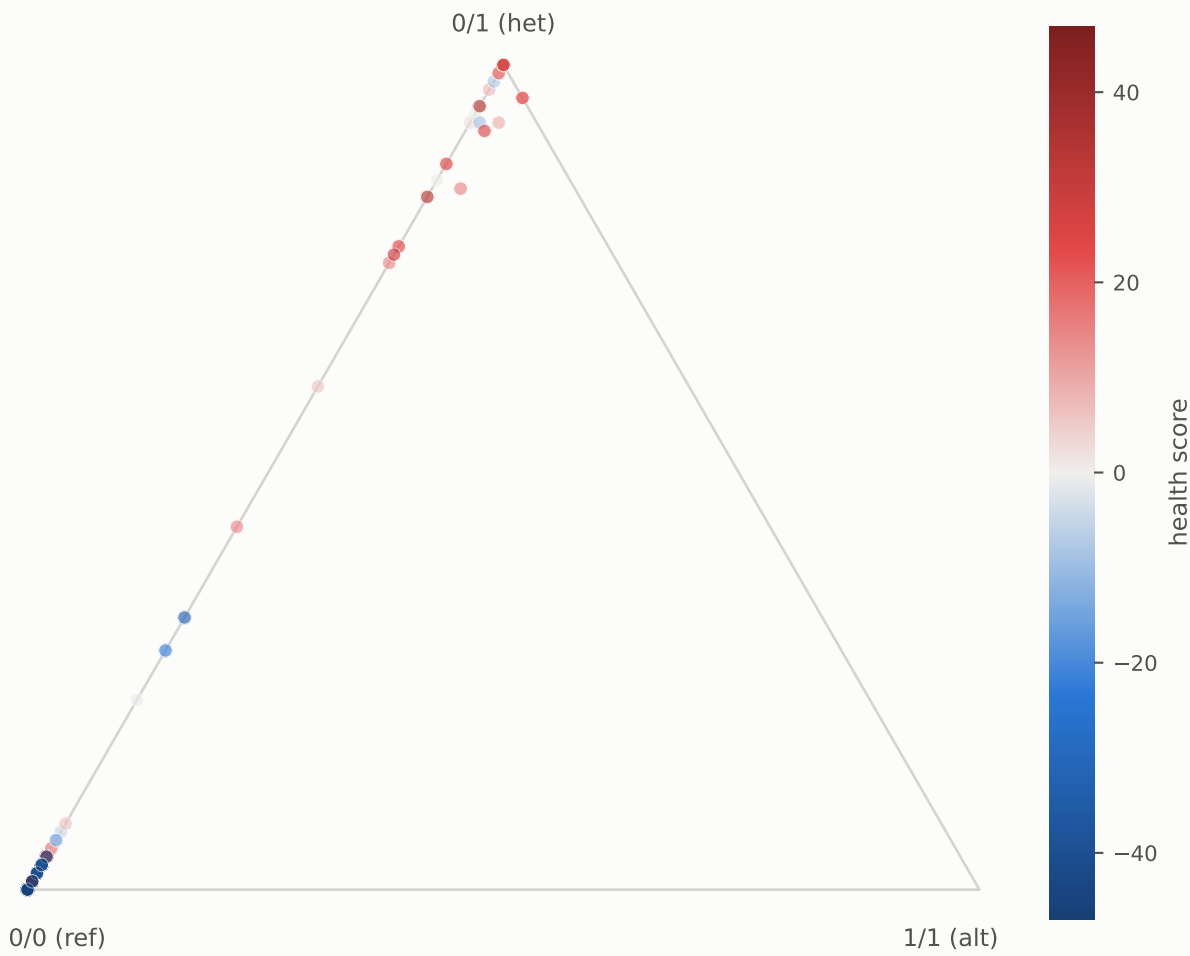
#96 by cluster health separation CHR_06:5,477,353 C>T
AF=0.038 DR2=0.85 $r=-0.179$ H=0.038 F=15.5



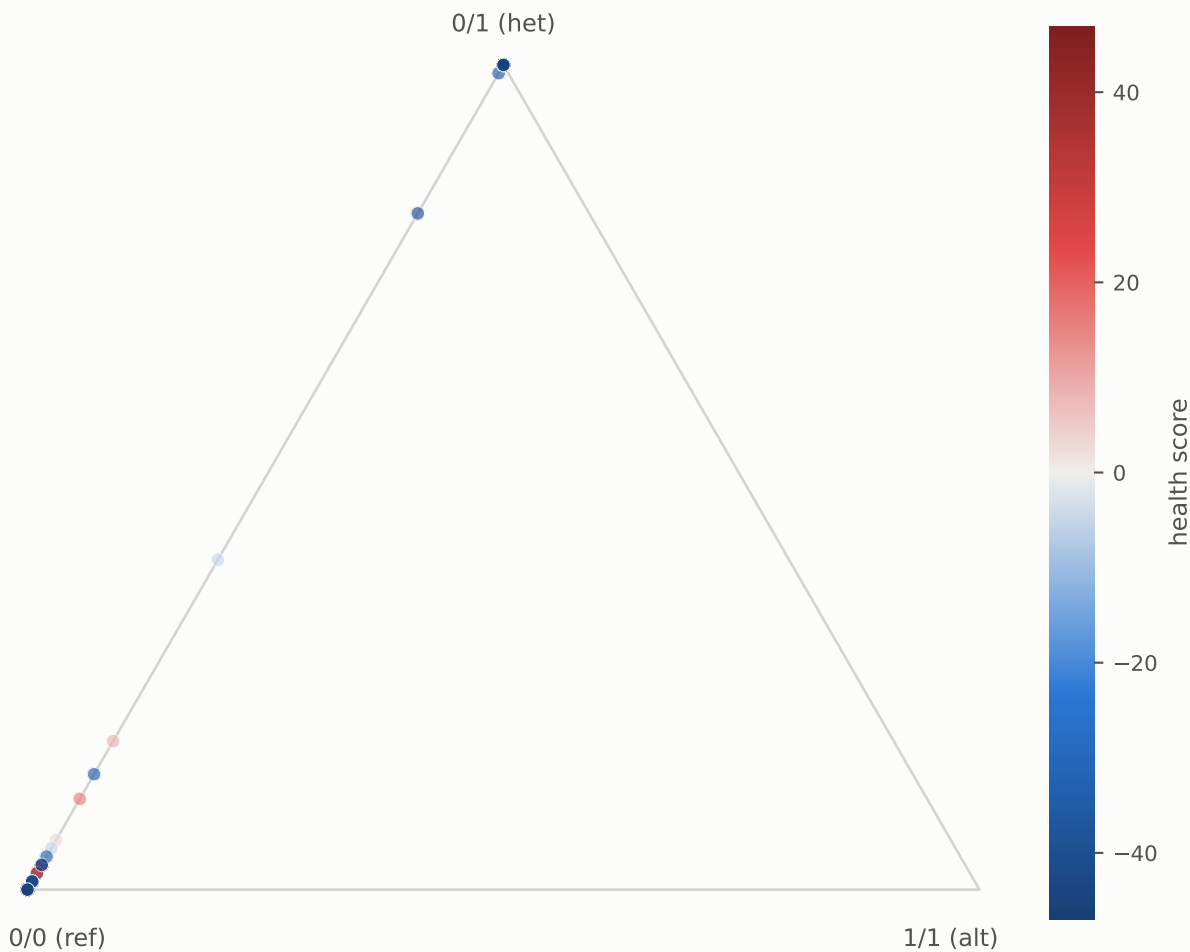
#97 by cluster health separation CHR_03:35,540,250 C>T
AF=0.039 DR2=0.81 $r=+0.194$ $H=0.053$ $F=15.5$



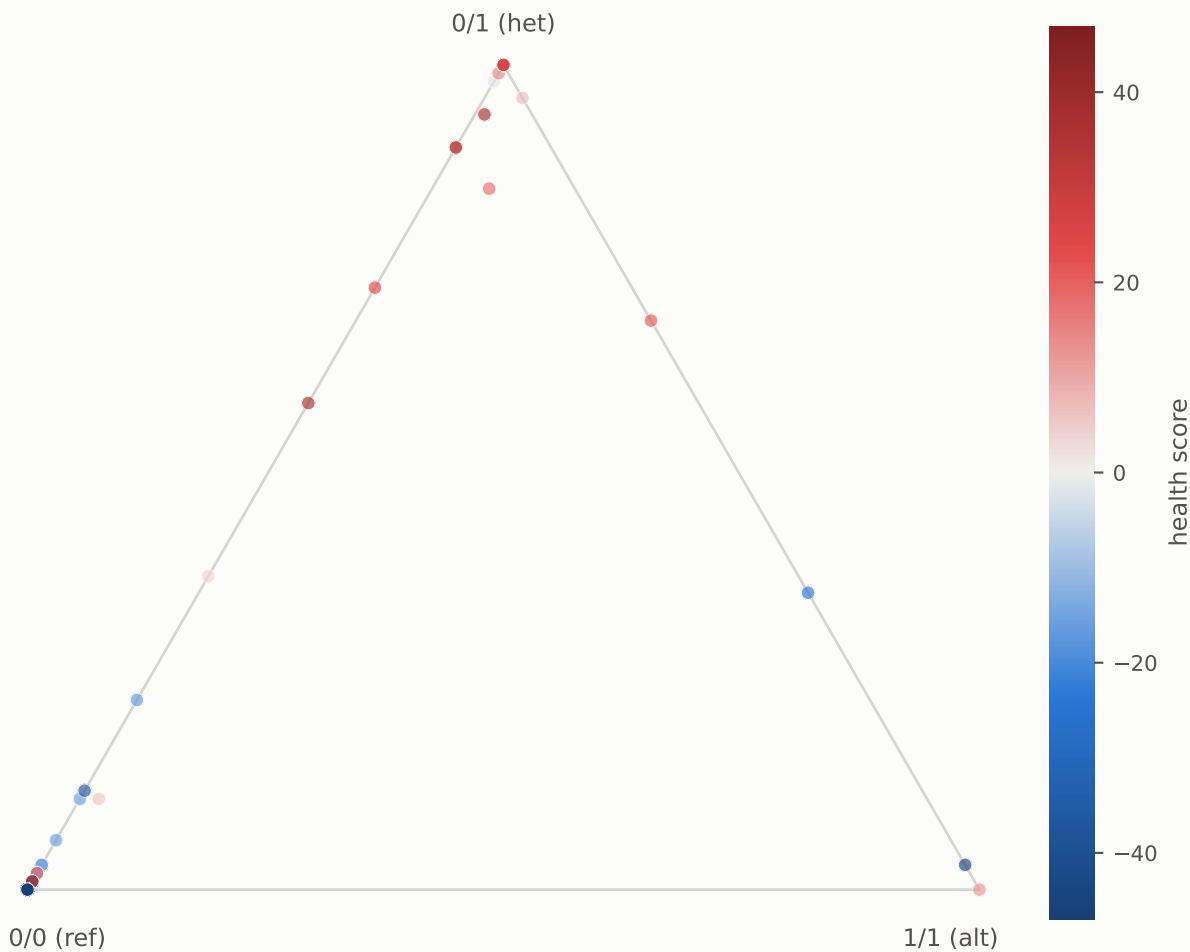
#98 by cluster health separation CHR_20:6,684,098 G>A
AF=0.027 DR2=0.81 r=+0.170 H=0.041 F=15.5



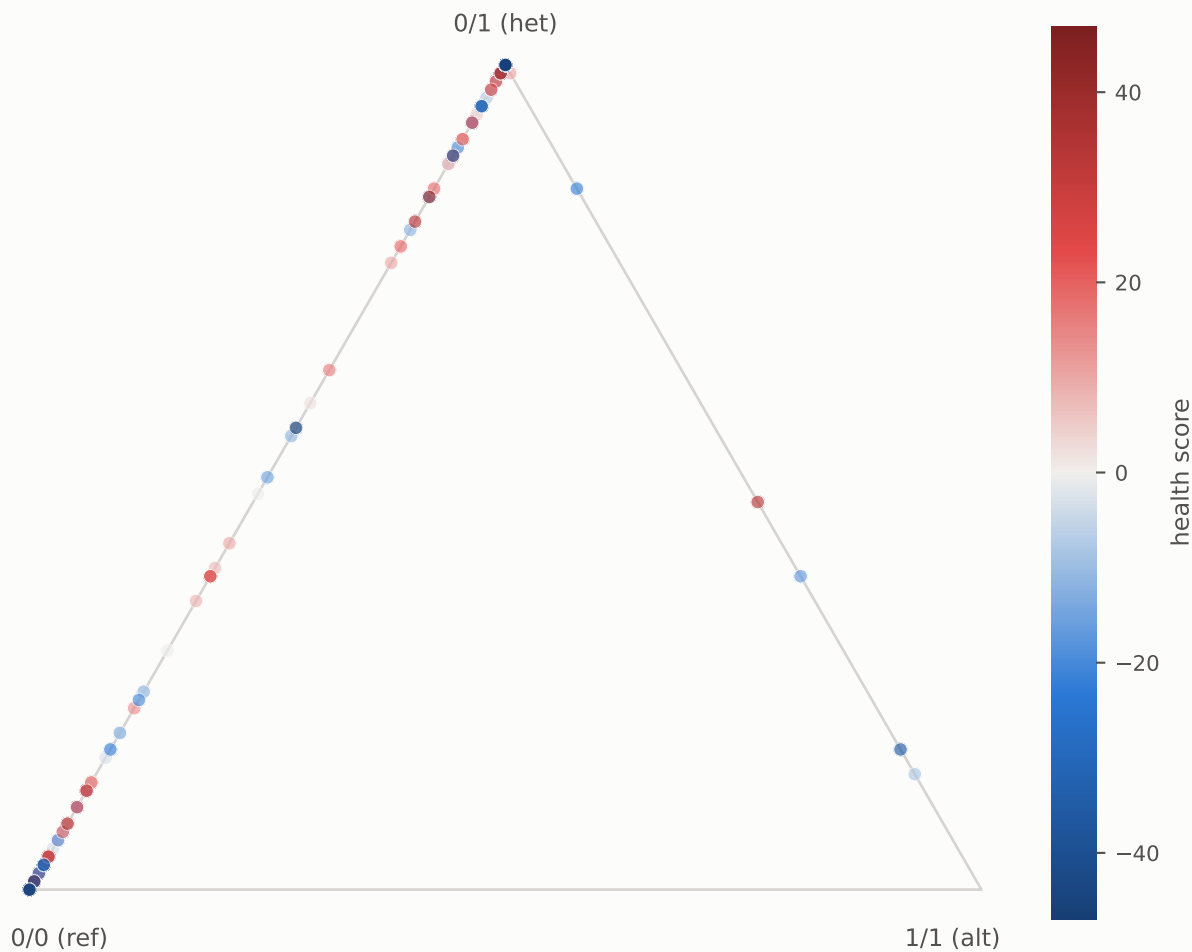
#99 by cluster health separation unpl-scaff_015:74,213 G>A
AF=0.028 DR2=0.9 r=-0.182 H=0.022 F=15.5



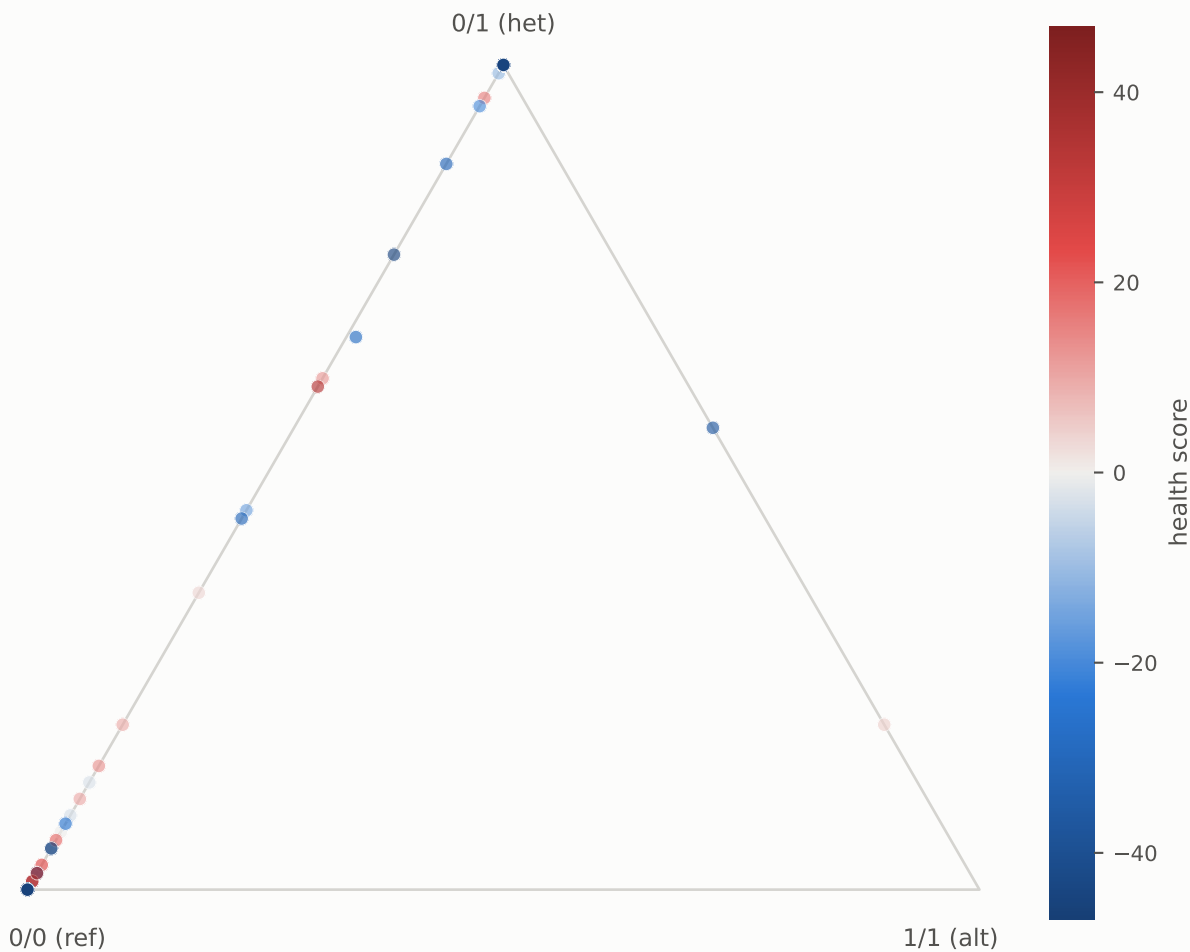
#100 by cluster health separation unpi-scaff_063:21,445 G>T
AF=0.034 DR2=0.91 r=+0.088 H=0.020 F=15.4



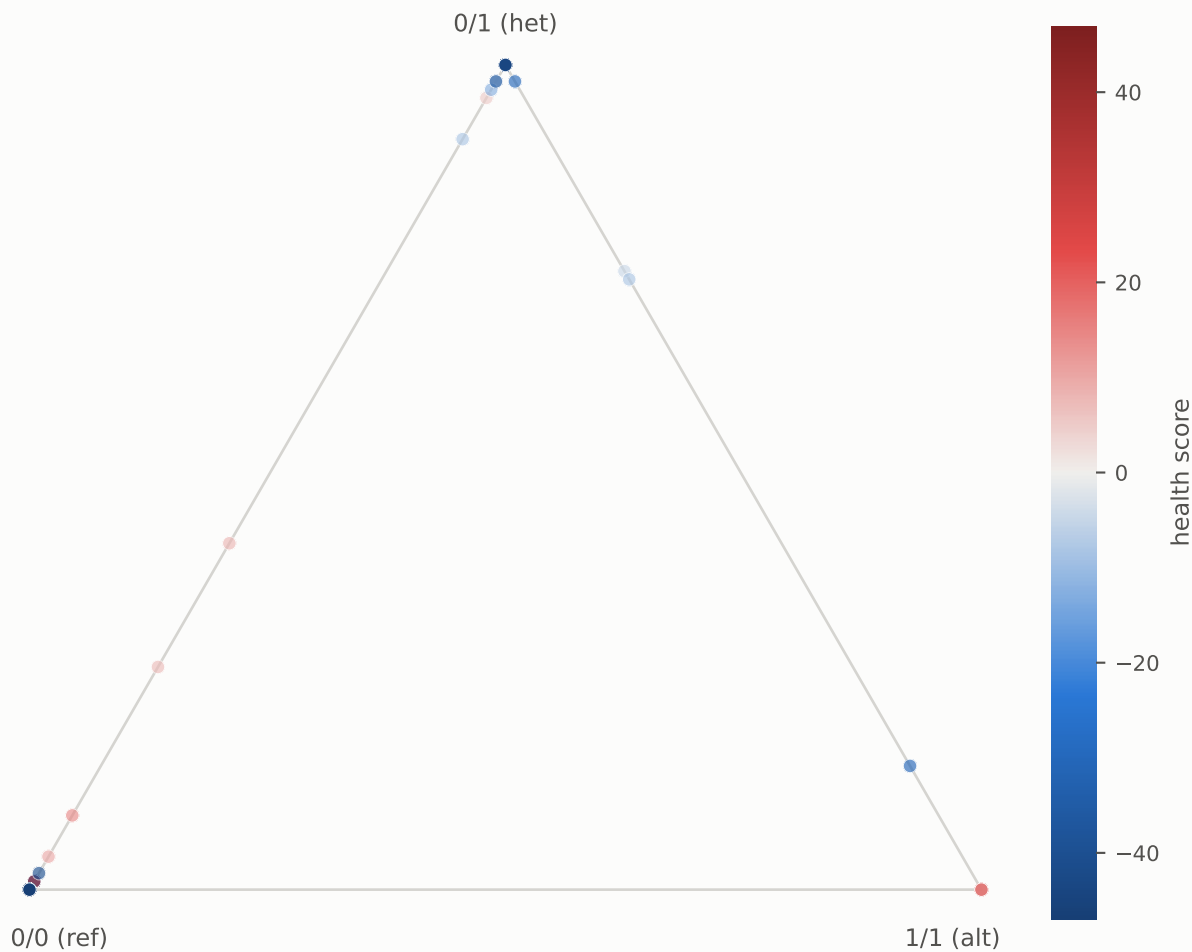
#101 by cluster health separation CHR_09:6,441,514 C>T
AF=0.24 DR2=0.91 r=-0.190 H=0.082 F=15.4



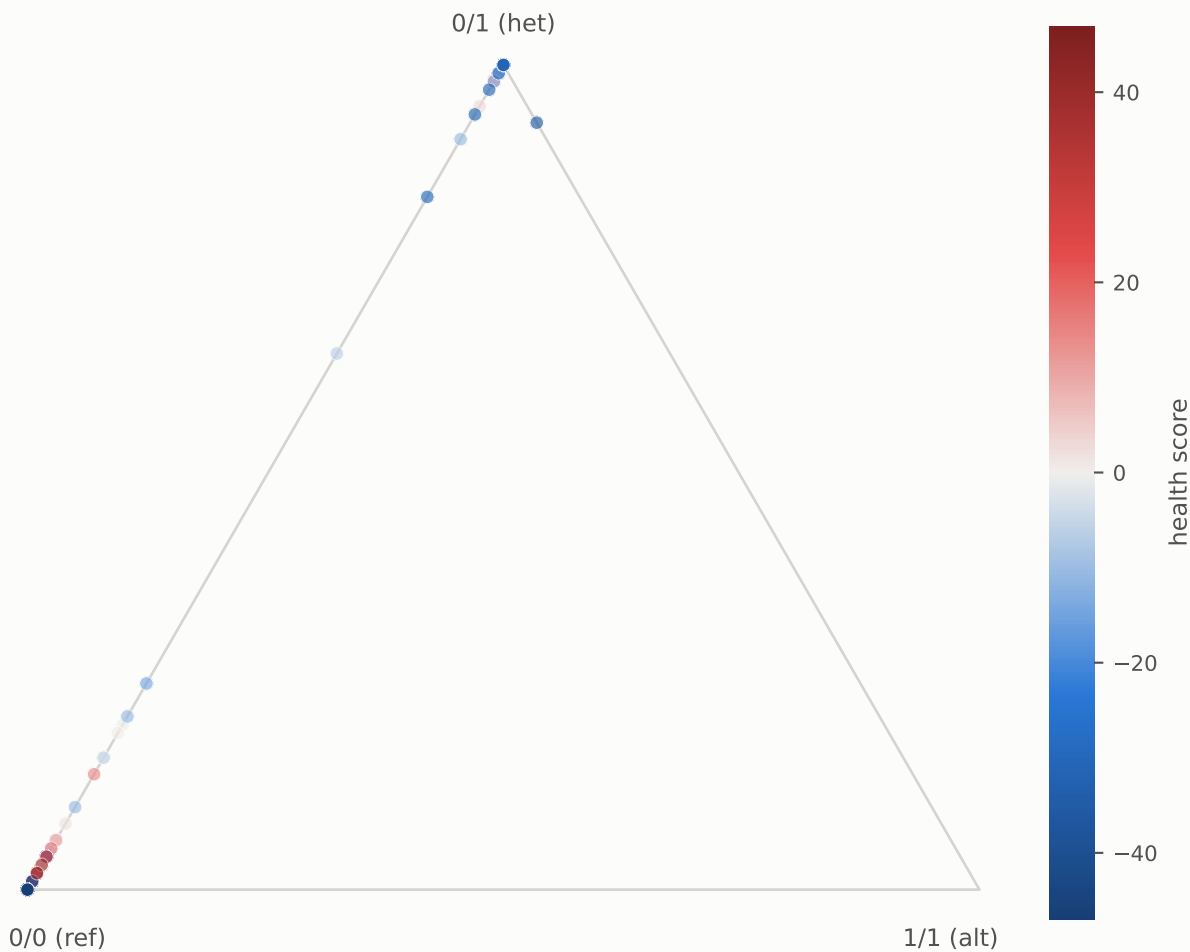
#102 by cluster health separation CHR_06:34,874,872 C>T
AF=0.057 DR2=0.93 r=-0.187 H=0.024 F=15.4



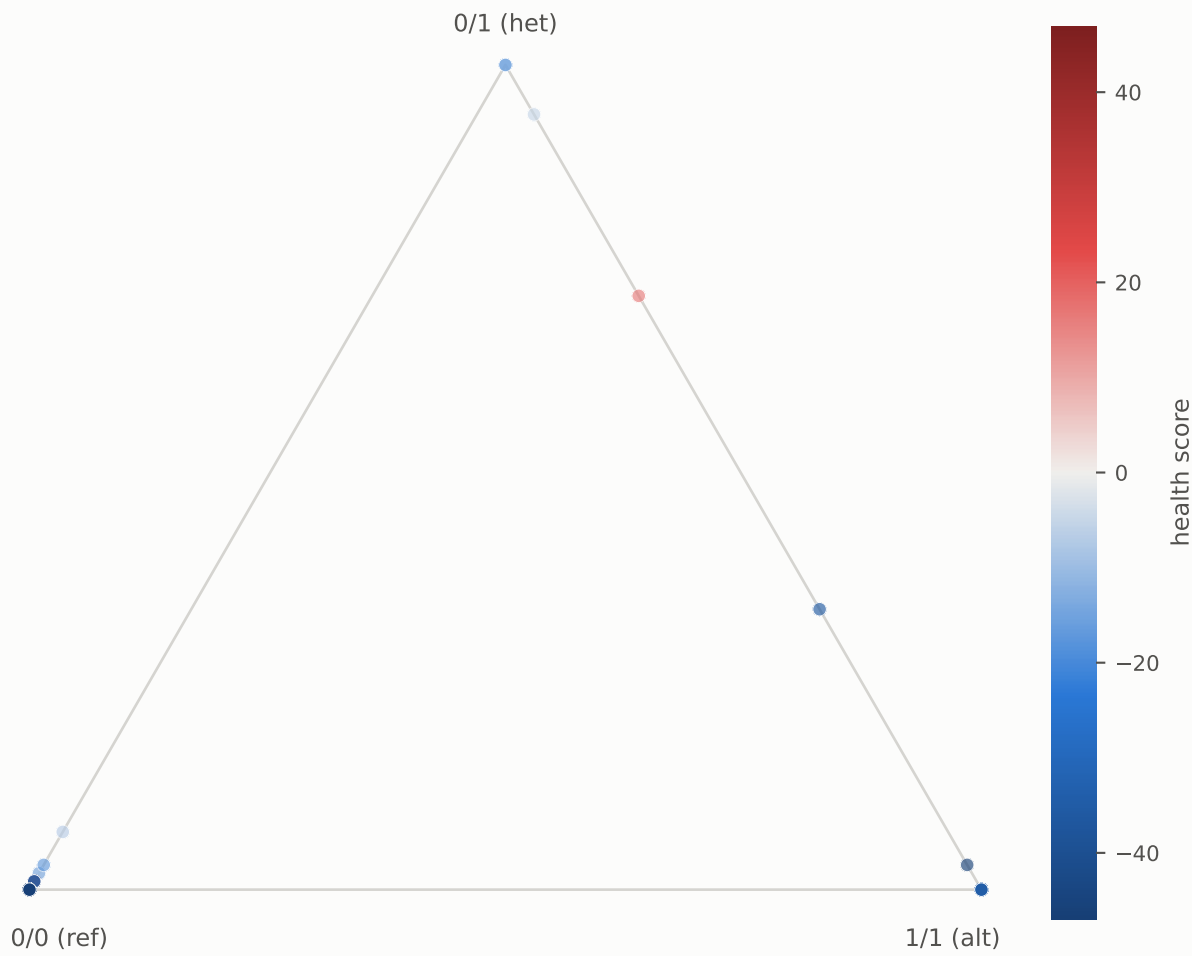
#103 by cluster health separation CHR_21:15,339,462 G>T
AF=0.066 DR2=0.97 r=-0.157 H=0.011 F=15.3



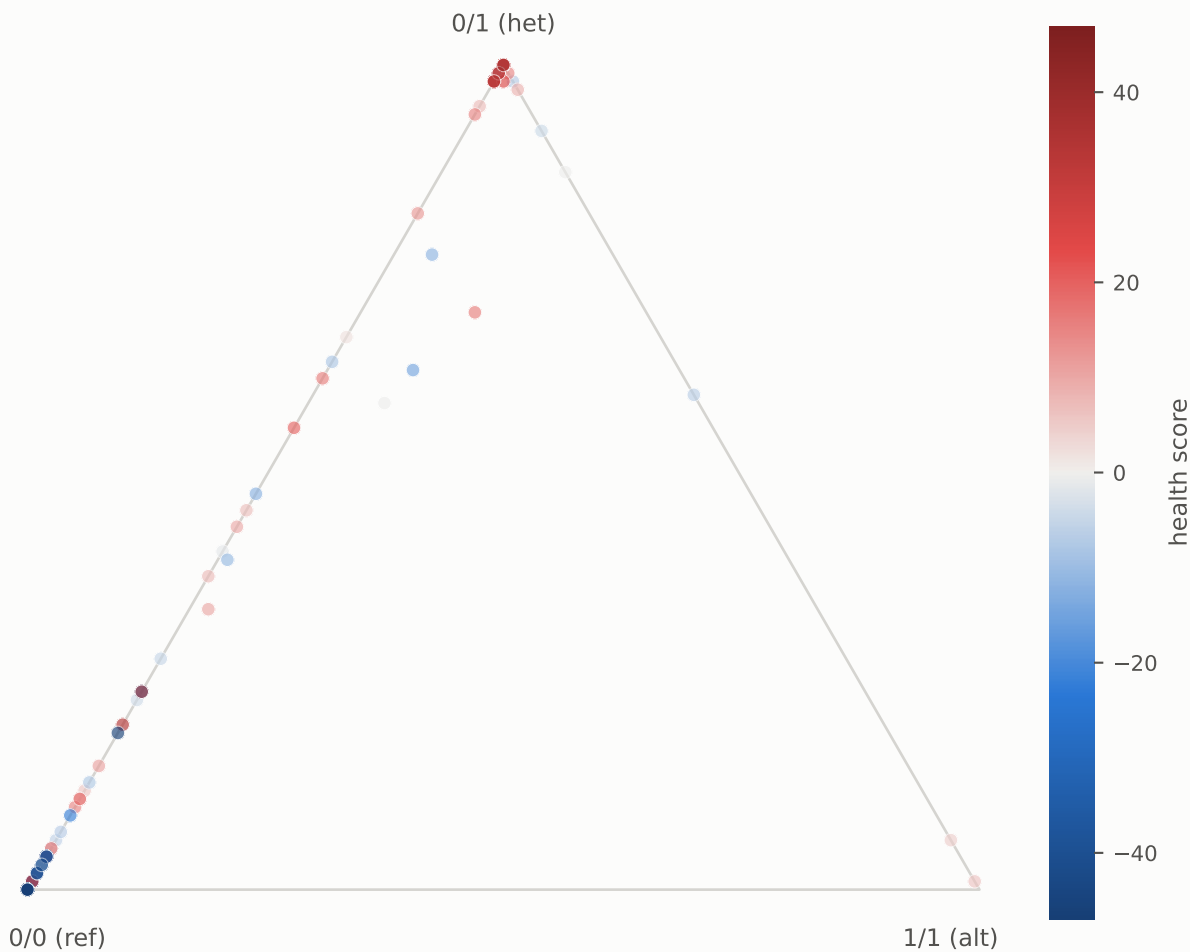
#104 by cluster health separation CHR_11:18,916,677 T>C
AF=0.037 DR2=0.87 r=-0.182 H=0.024 F=15.3



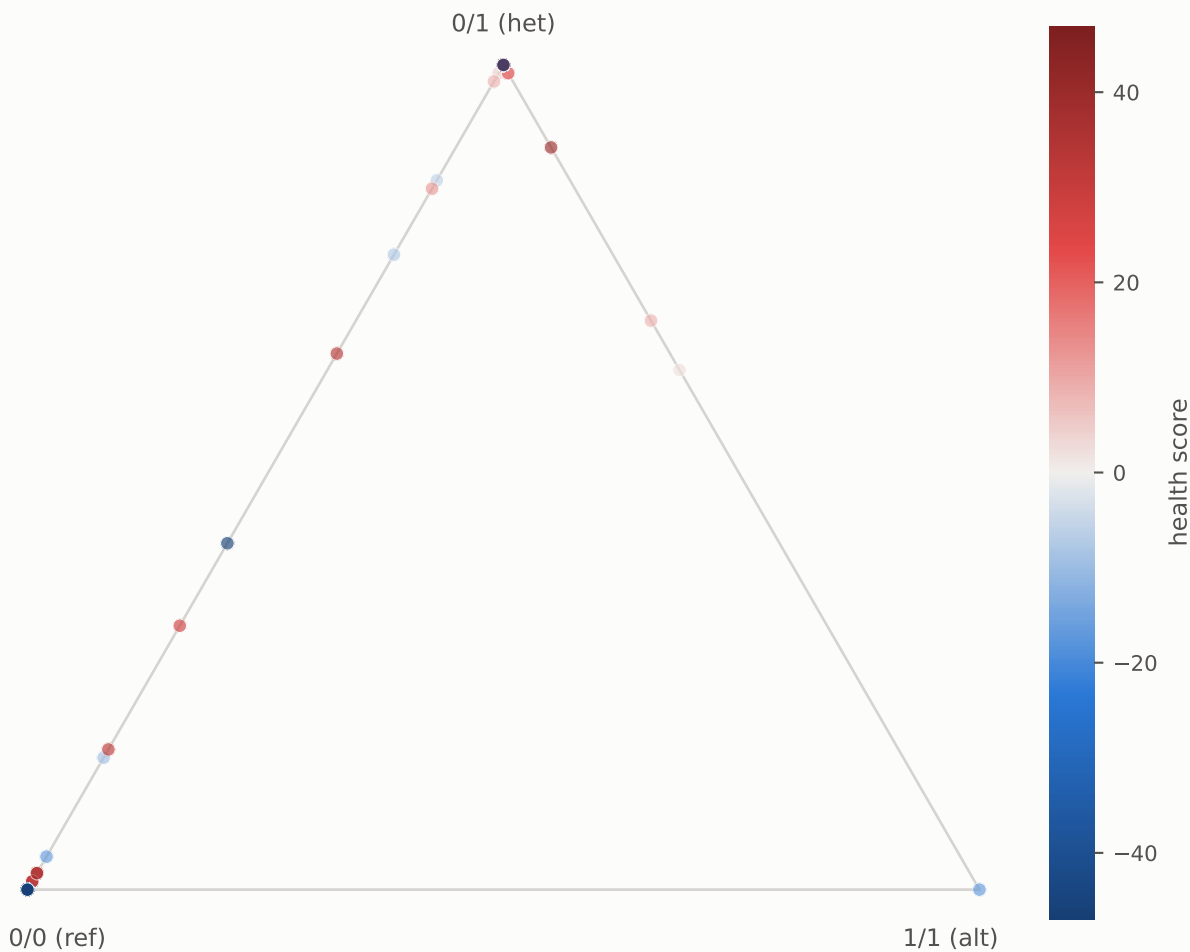
#105 by cluster health separation CHR_16:16,184,256 G>T
AF=0.048 DR2=0.99 r=-0.178 H=0.005 F=15.3



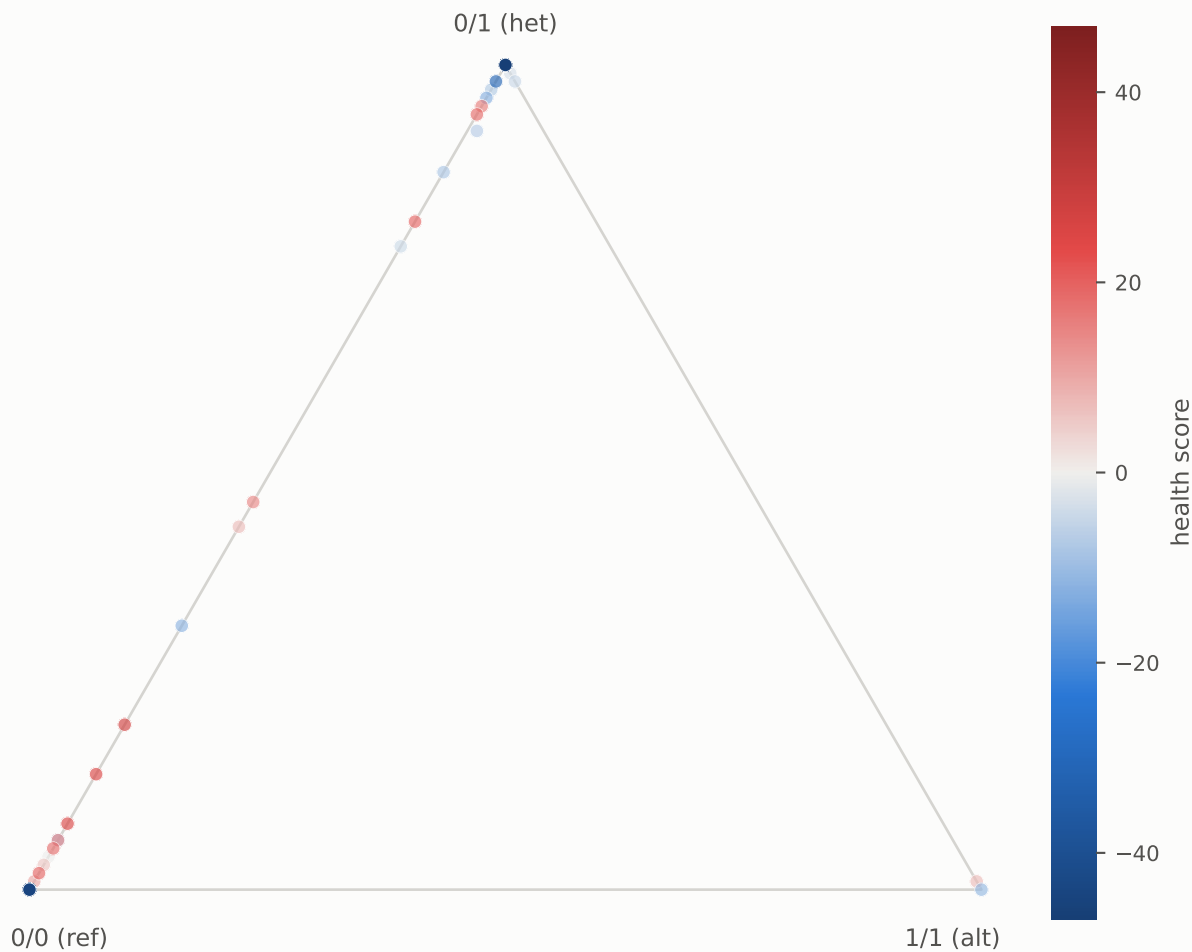
#106 by cluster health separation CHR_14:2,801,712 A>G
AF=0.05 DR2=0.85 $r=+0.172$ H=0.055 F=15.3



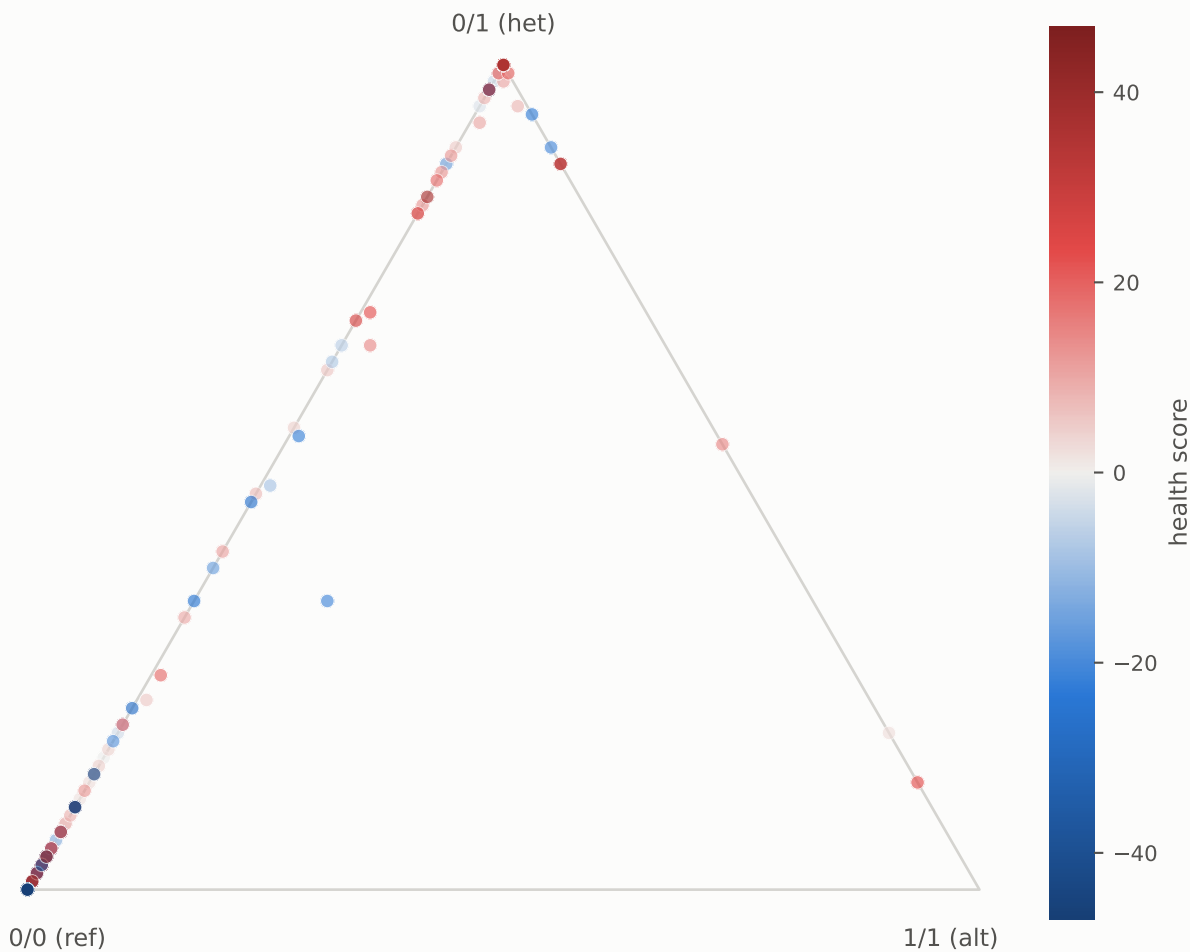
#107 by cluster health separation CHR_02:45,821,974 C>T
AF=0.051 DR2=0.95 r=+0.158 H=0.016 F=15.2



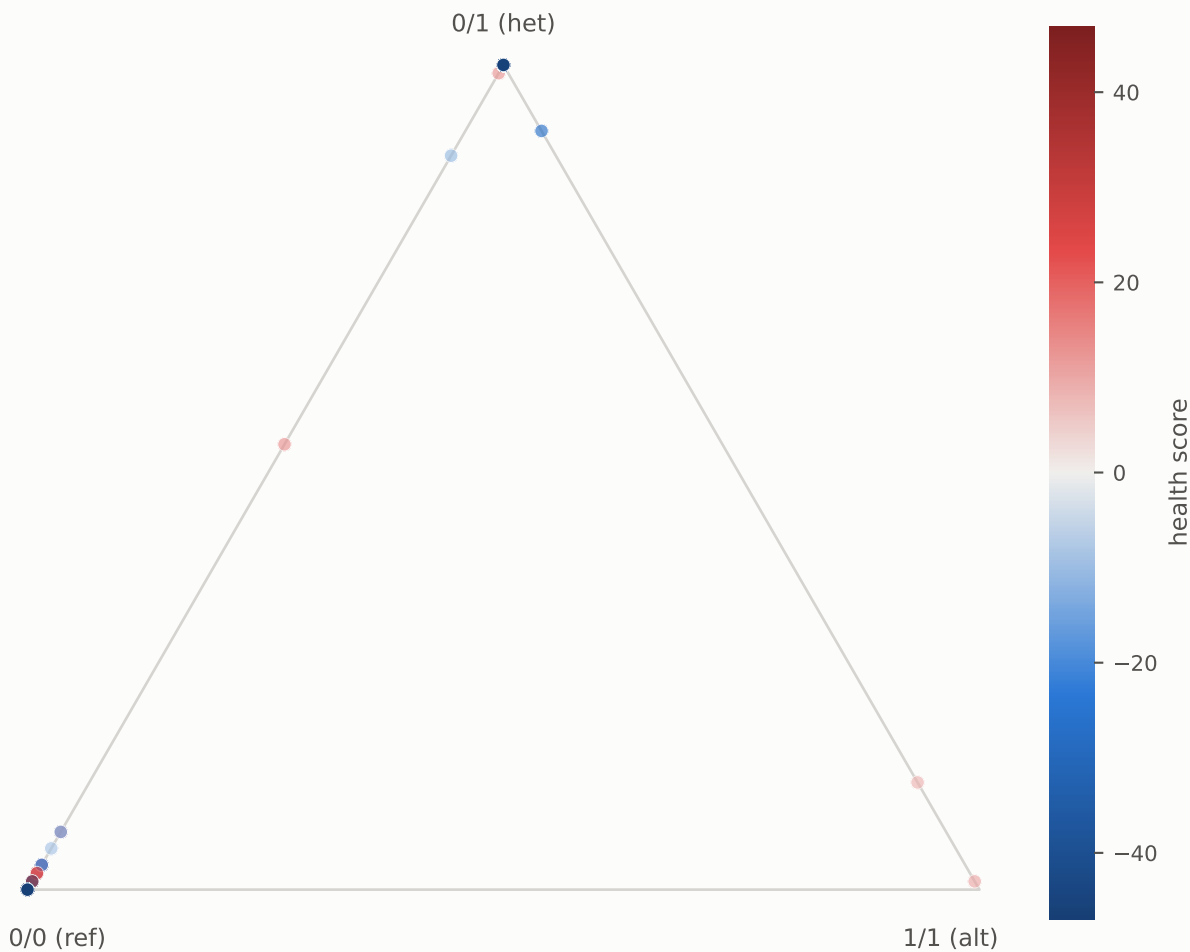
#108 by cluster health separation CHR_08:8,766,447 T>A
AF=0.095 DR2=0.97 $r=-0.172$ H=0.016 F=15.2



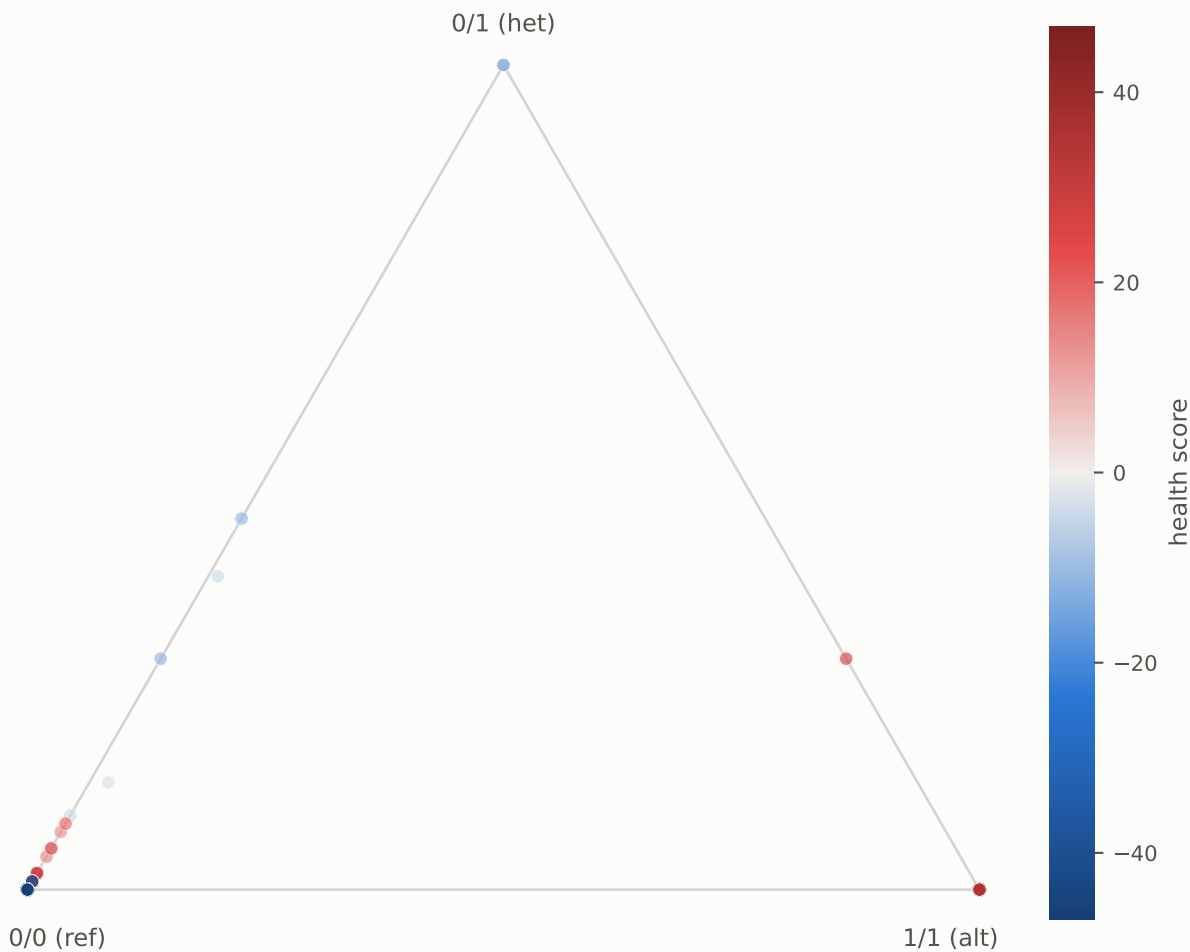
#109 by cluster health separation CHR_01:55,117,405 C>T
AF=0.085 DR2=0.83 $r=+0.179$ $H=0.091$ $F=15.2$



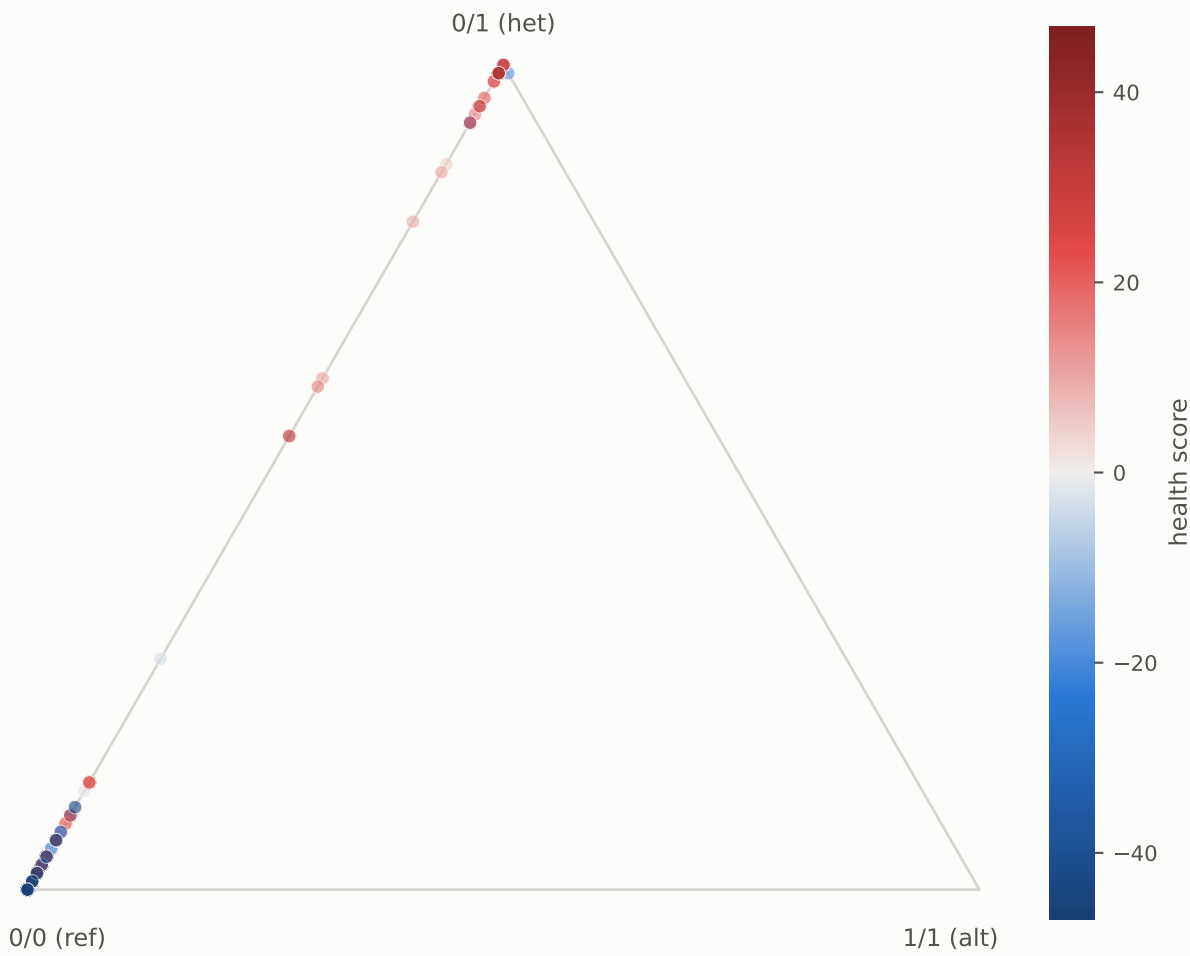
#110 by cluster health separation CHR_06:19,914,383 C>T
AF=0.052 DR2=0.97 r=-0.160 H=0.009 F=15.2



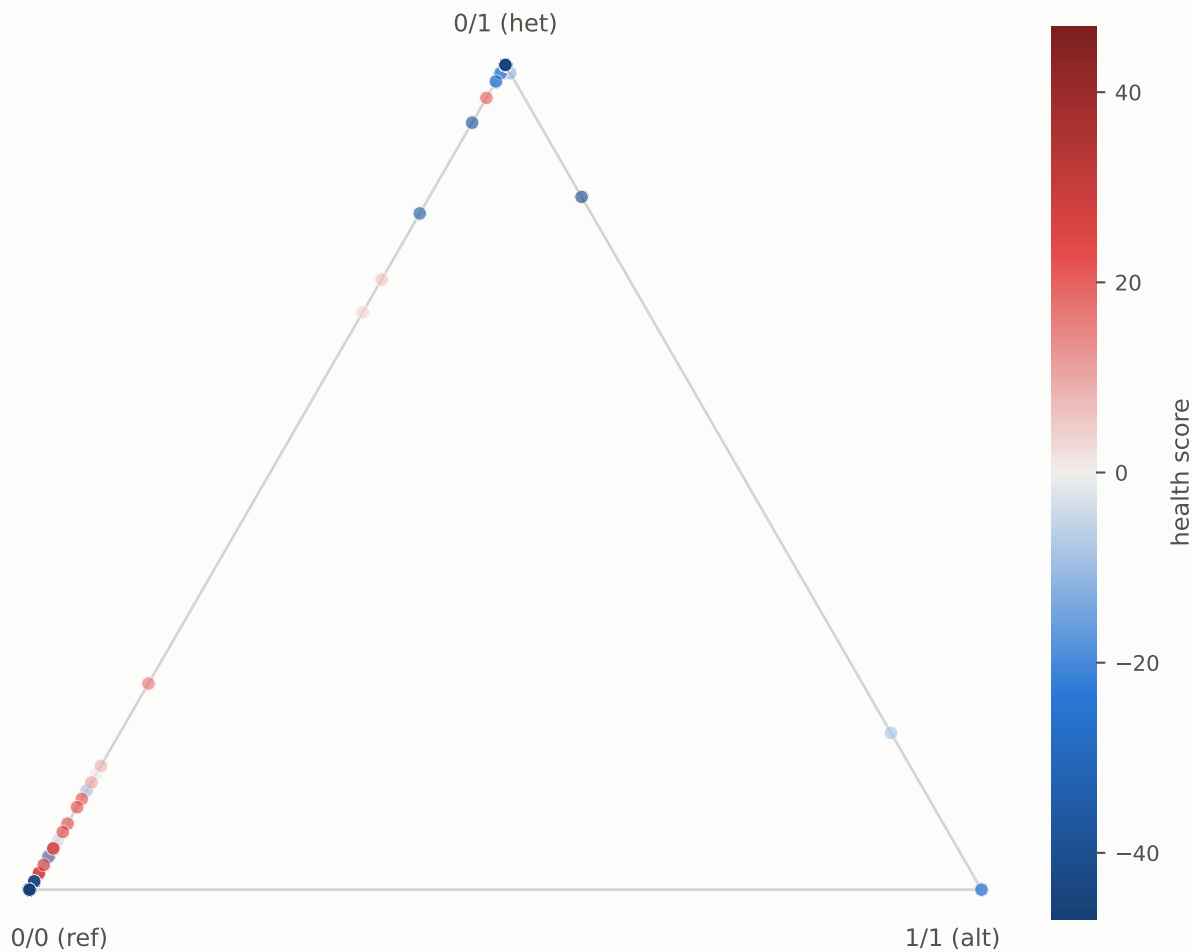
#111 by cluster health separation CHR_19:12,726,667 C>A
AF=0.028 DR2=0.95 $r=+0.164$ $H=0.019$ $F=15.2$



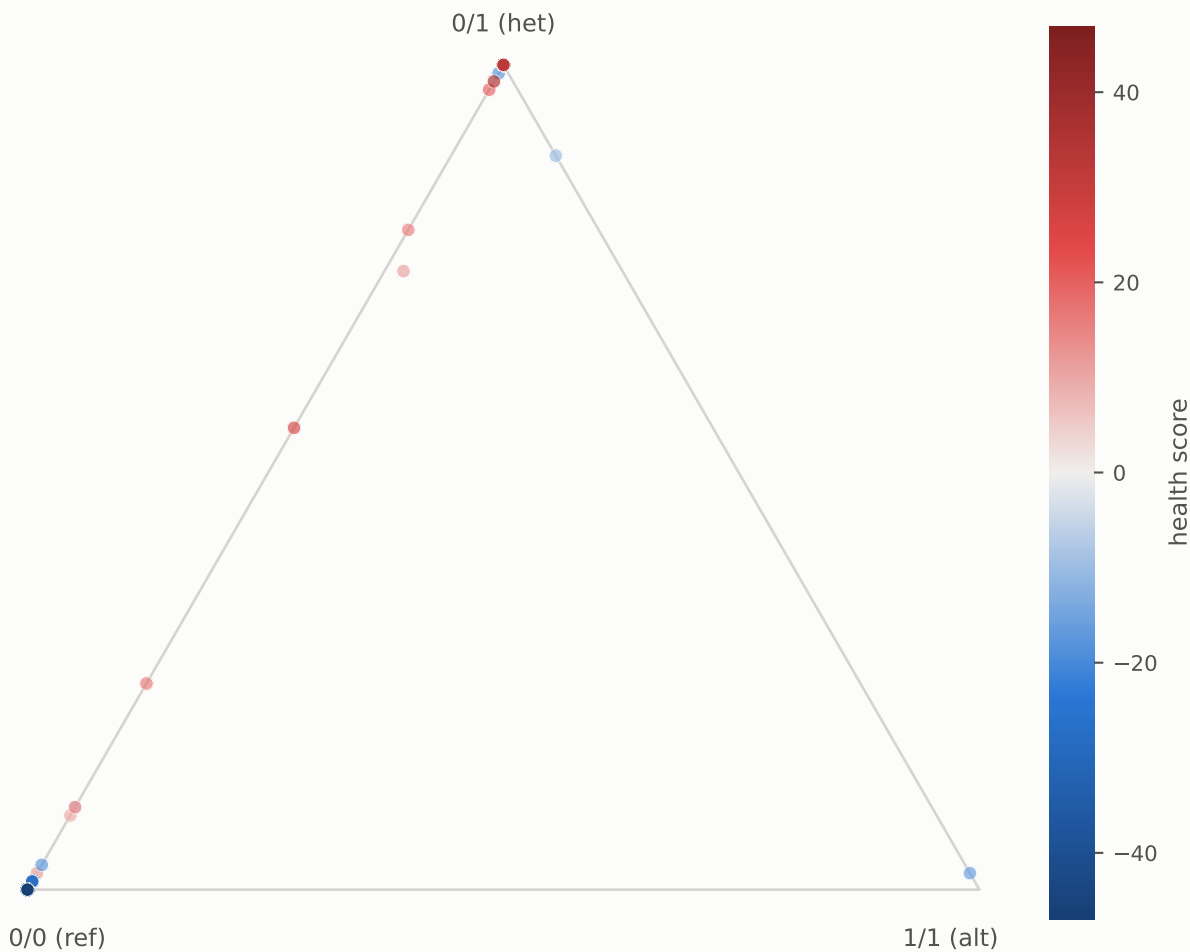
#112 by cluster health separation CHR_12:22,859,229 C>T
AF=0.038 DR2=0.84 r=+0.176 H=0.048 F=15.1



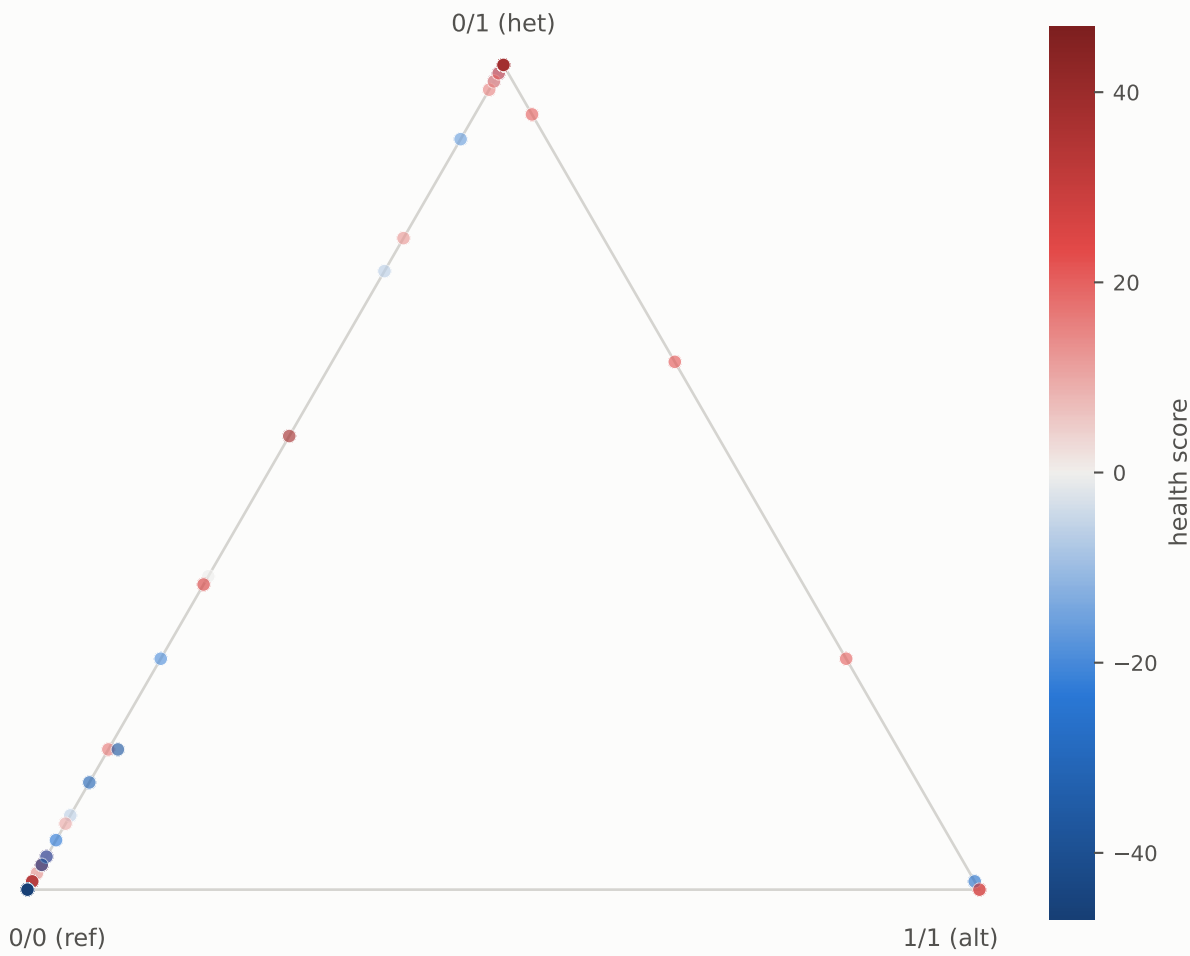
#113 by cluster health separation CHR_11:33,482,605 C>T
AF=0.11 DR2=0.96 r=-0.190 H=0.025 F=15.1



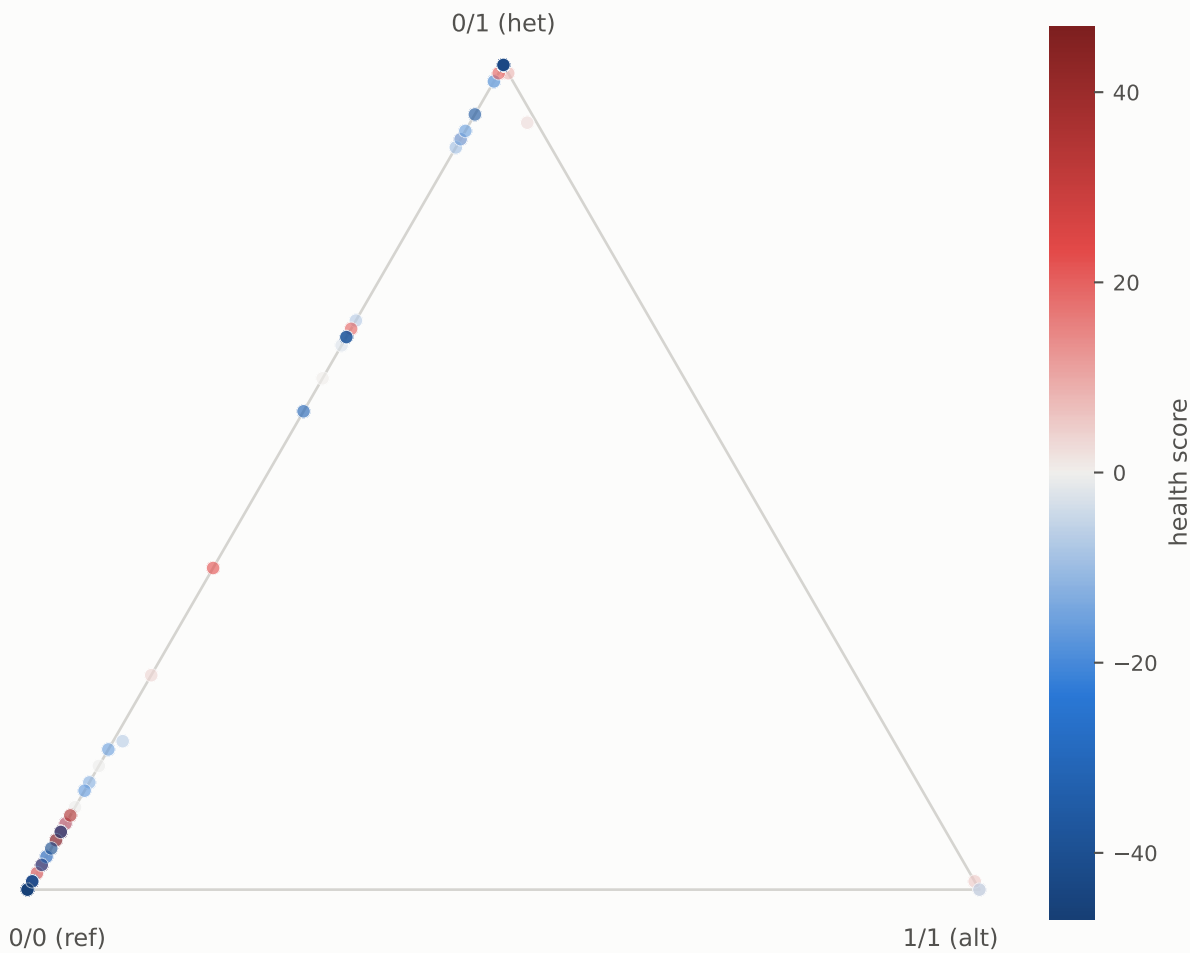
#114 by cluster health separation CHR_23:1,949,229 A>T
AF=0.049 DR2=0.96 r=+0.156 H=0.011 F=15.1



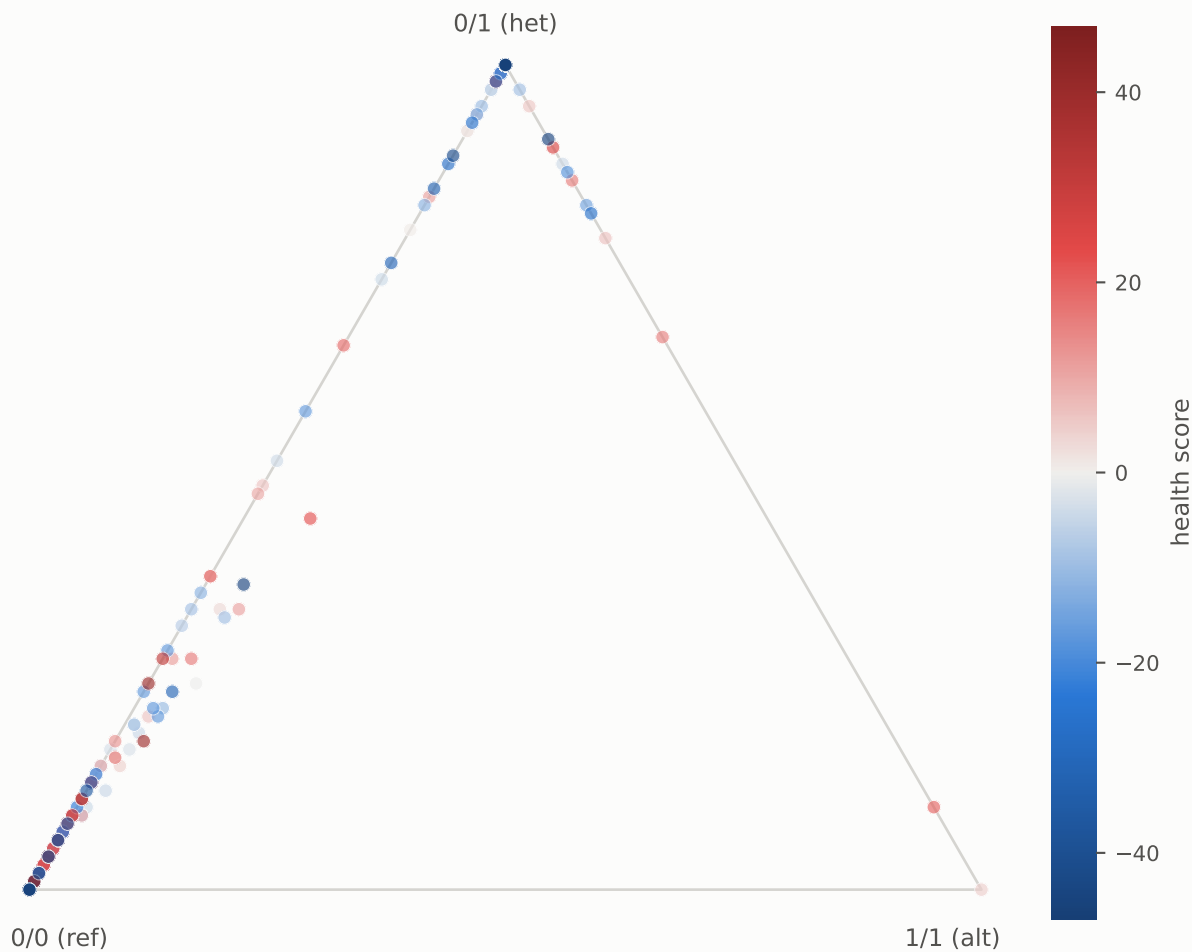
#115 by cluster health separation CHR_18:27,020,156 G>A
AF=0.1 DR2=0.96 $r=+0.183$ H=0.023 F=15.1



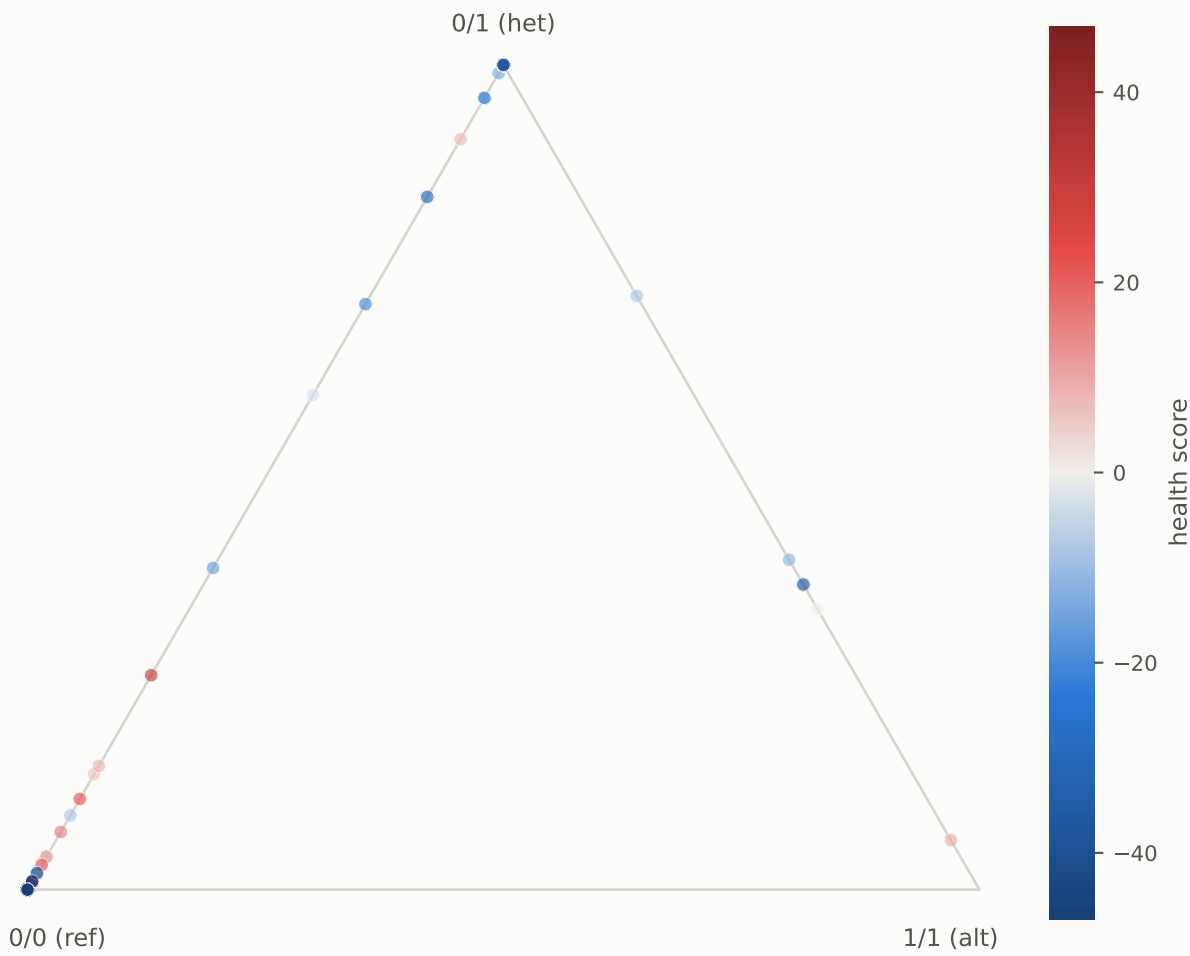
#116 by cluster health separation CHR_14:30,809,708 T>C
AF=0.073 DR2=0.93 r=-0.154 H=0.034 F=15.1



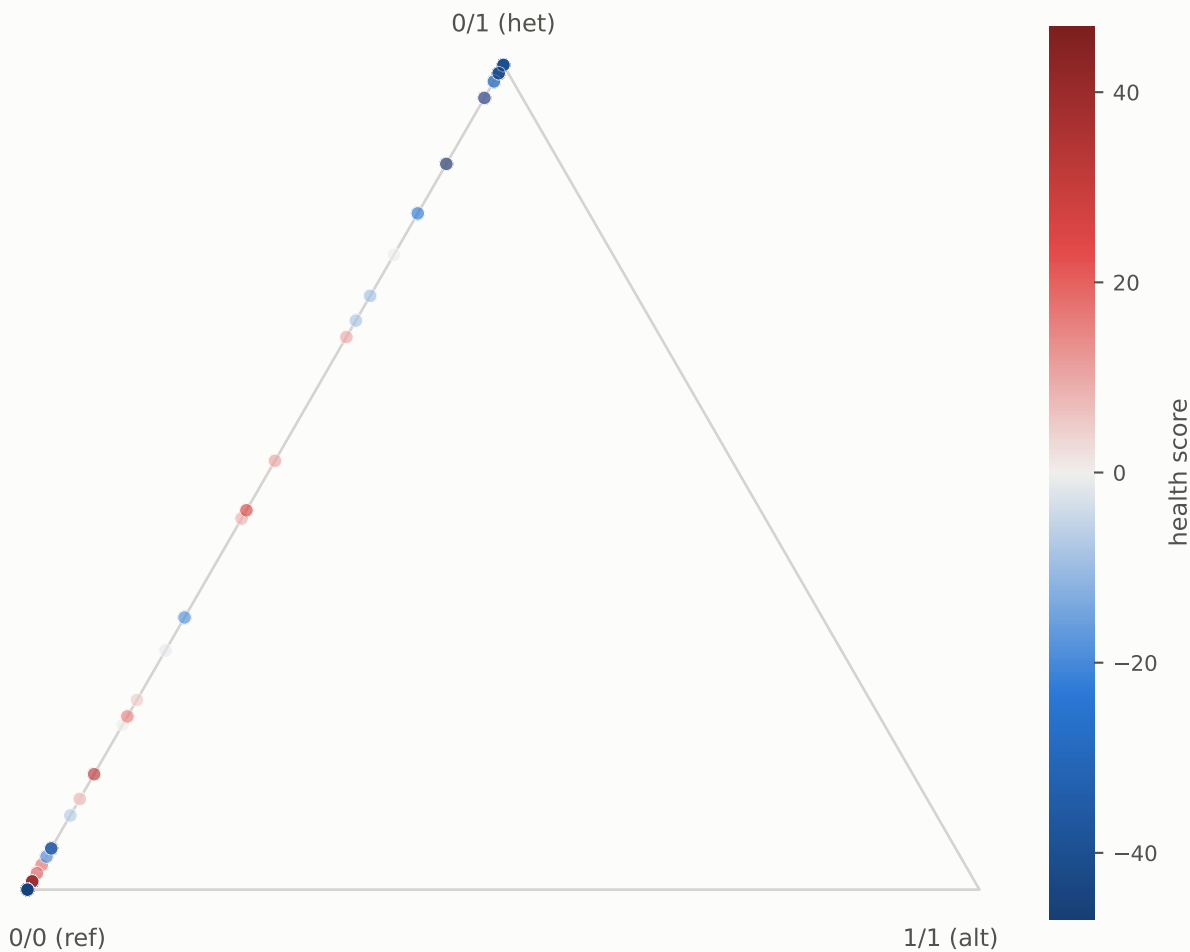
#117 by cluster health separation unpl-scaff_012:43,915 G>A
AF=0.19 DR2=0.84 r=-0.163 H=0.129 F=15.1



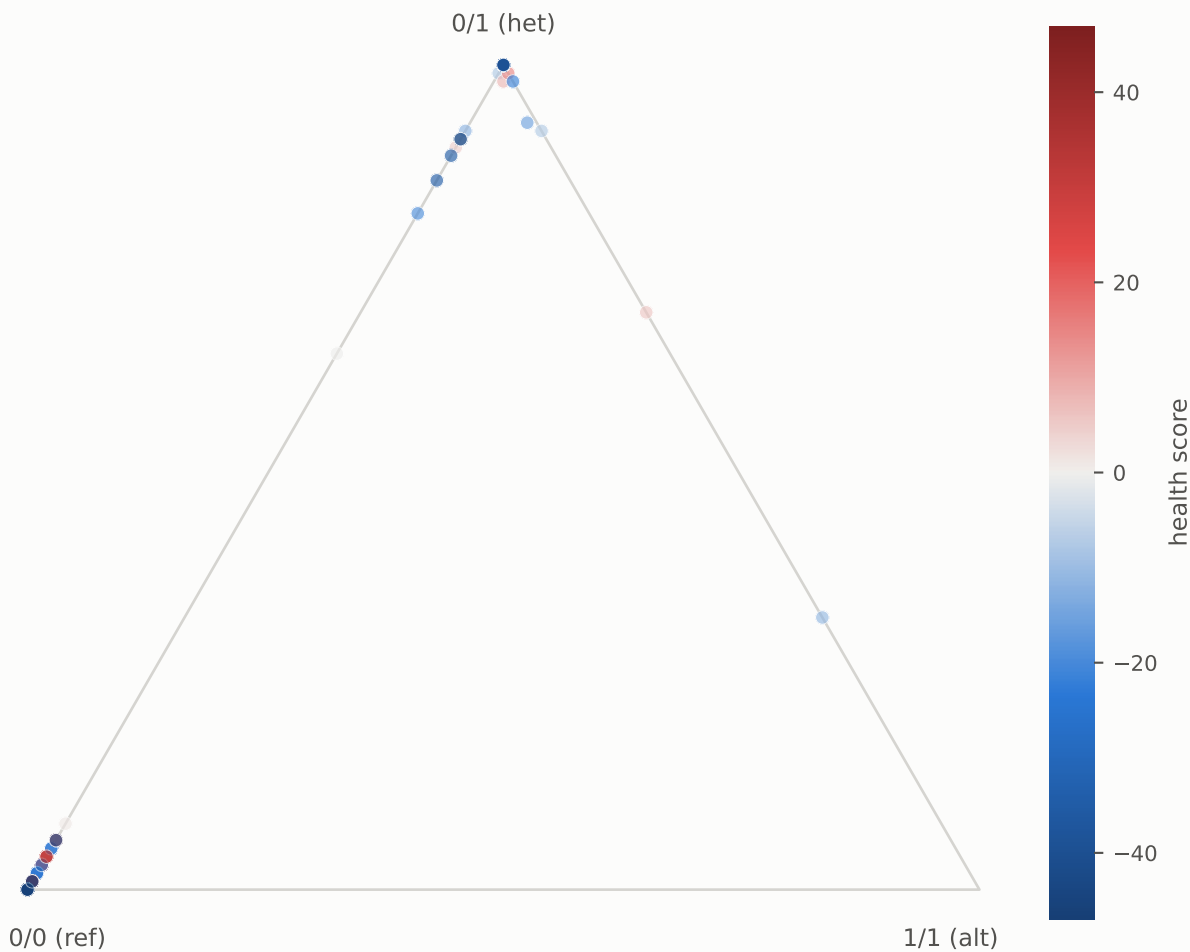
#118 by cluster health separation CHR_09:36,448,109 G>A
AF=0.032 DR2=0.9 r=-0.173 H=0.025 F=15.0



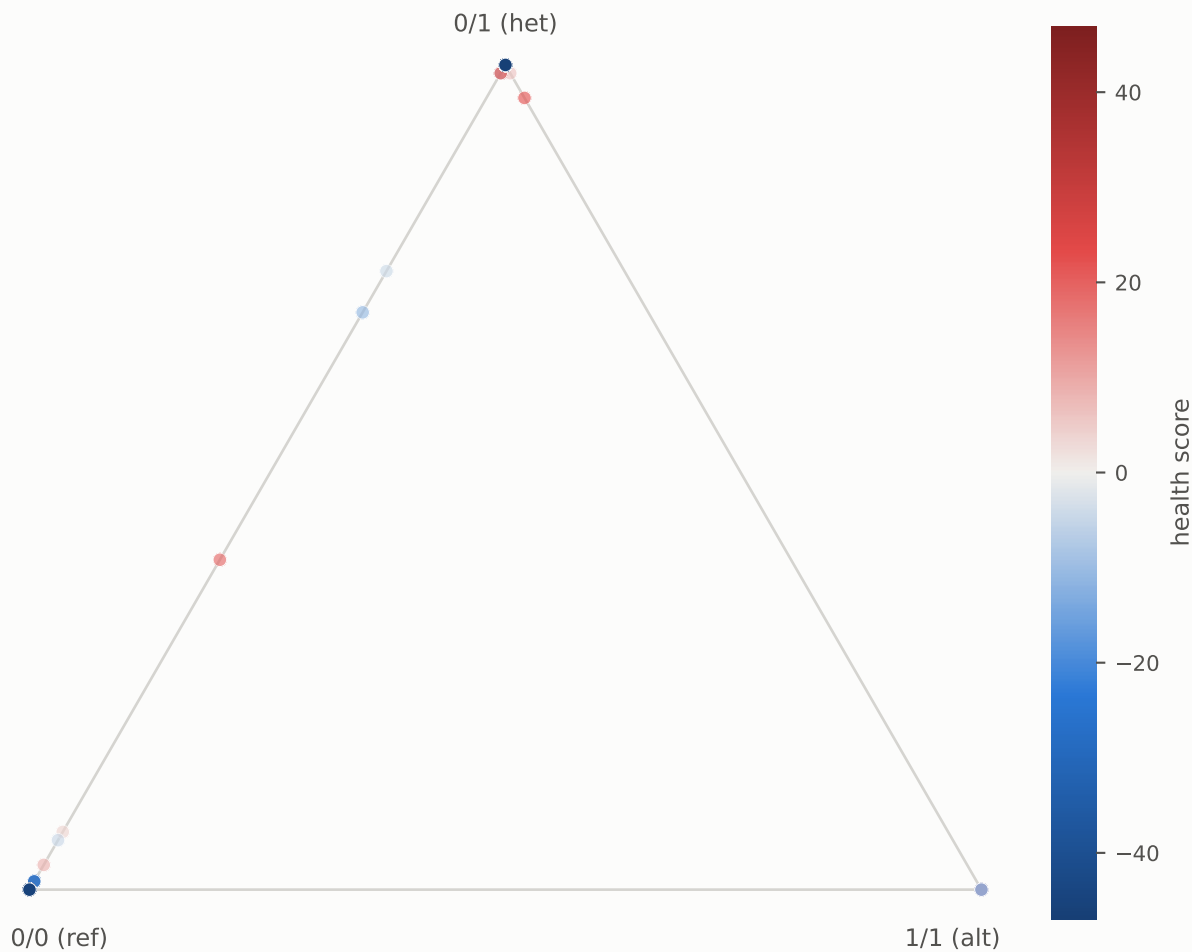
#119 by cluster health separation unpl-scaff_001:130,656 C>A
AF=0.072 DR2=0.92 r=-0.176 H=0.032 F=15.0



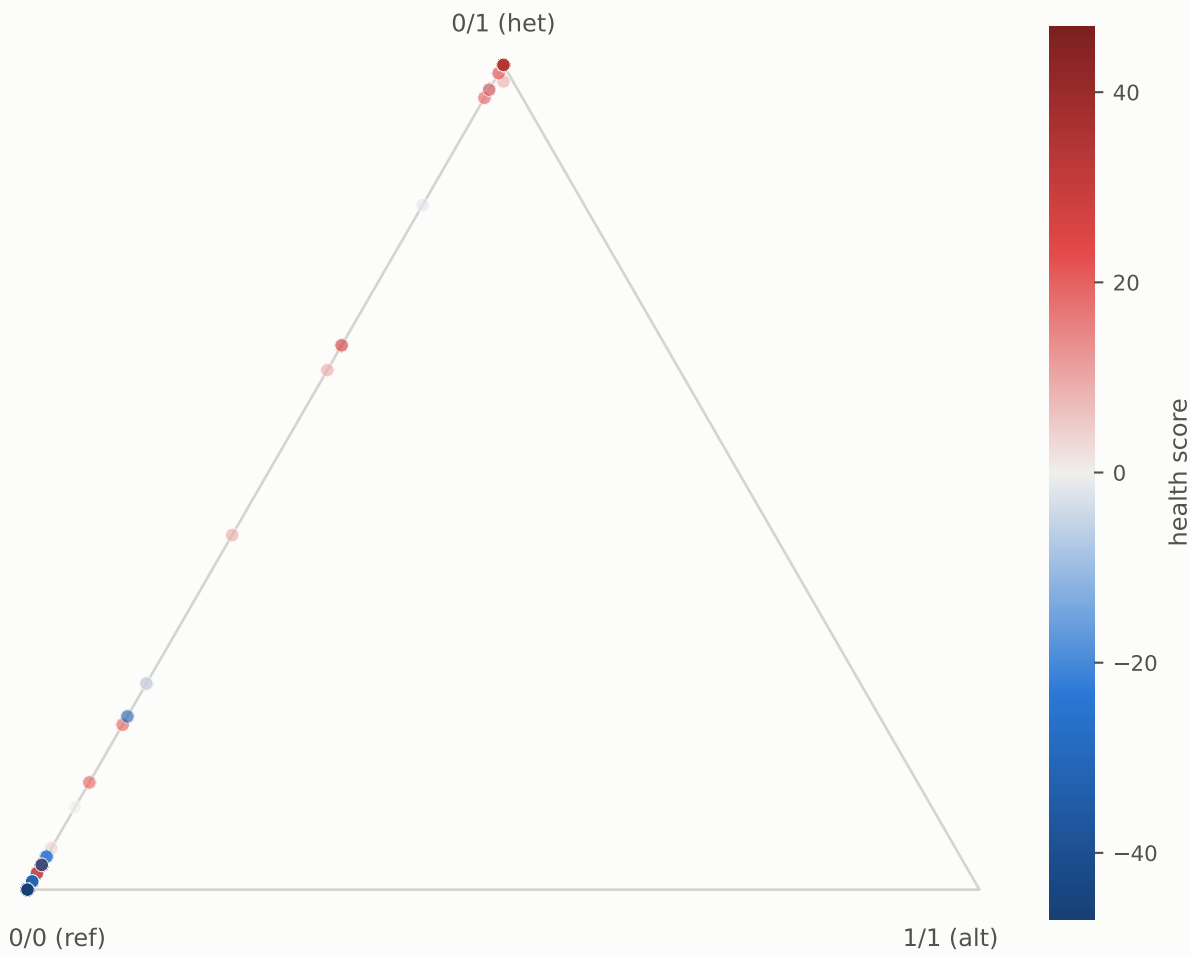
#120 by cluster health separation CHR_10:15,104,390 G>T
AF=0.028 DR2=0.87 r=-0.175 H=0.032 F=15.0



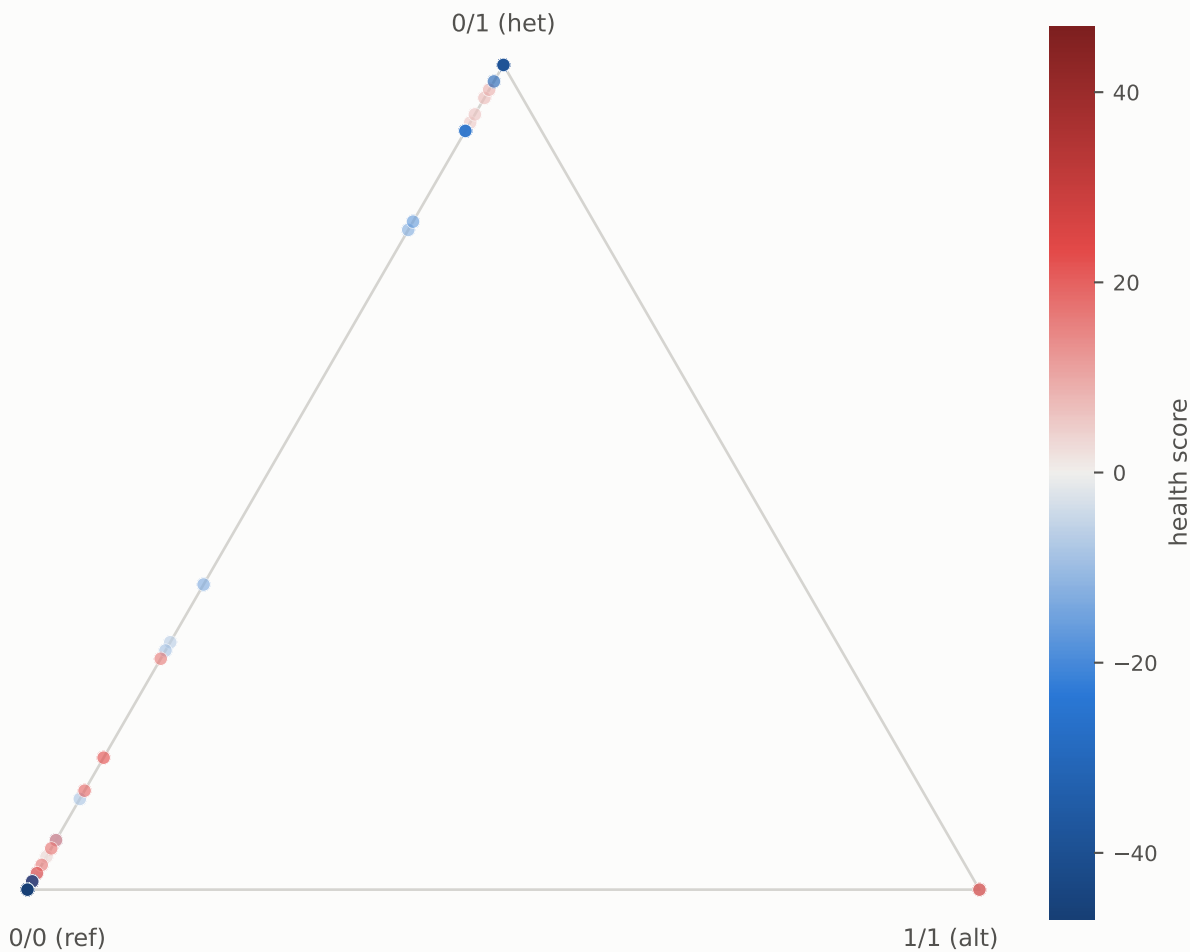
#121 by cluster health separation CHR_13:27,396,580 T>G
AF=0.092 DR2=0.99 r=-0.163 H=0.007 F=14.9



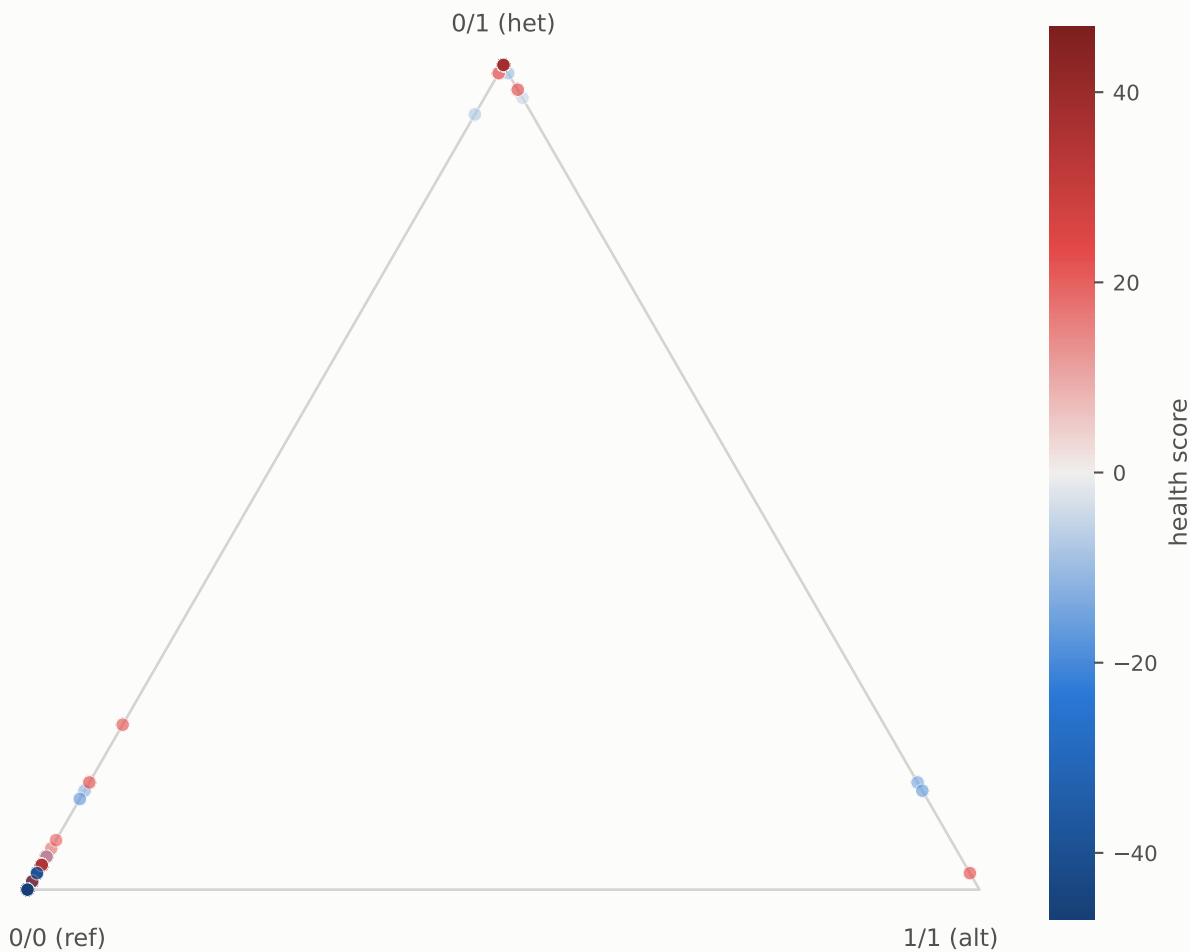
#122 by cluster health separation CHR_04:41,493,006 G>A
AF=0.03 DR2=0.9 r=+0.178 H=0.020 F=14.9



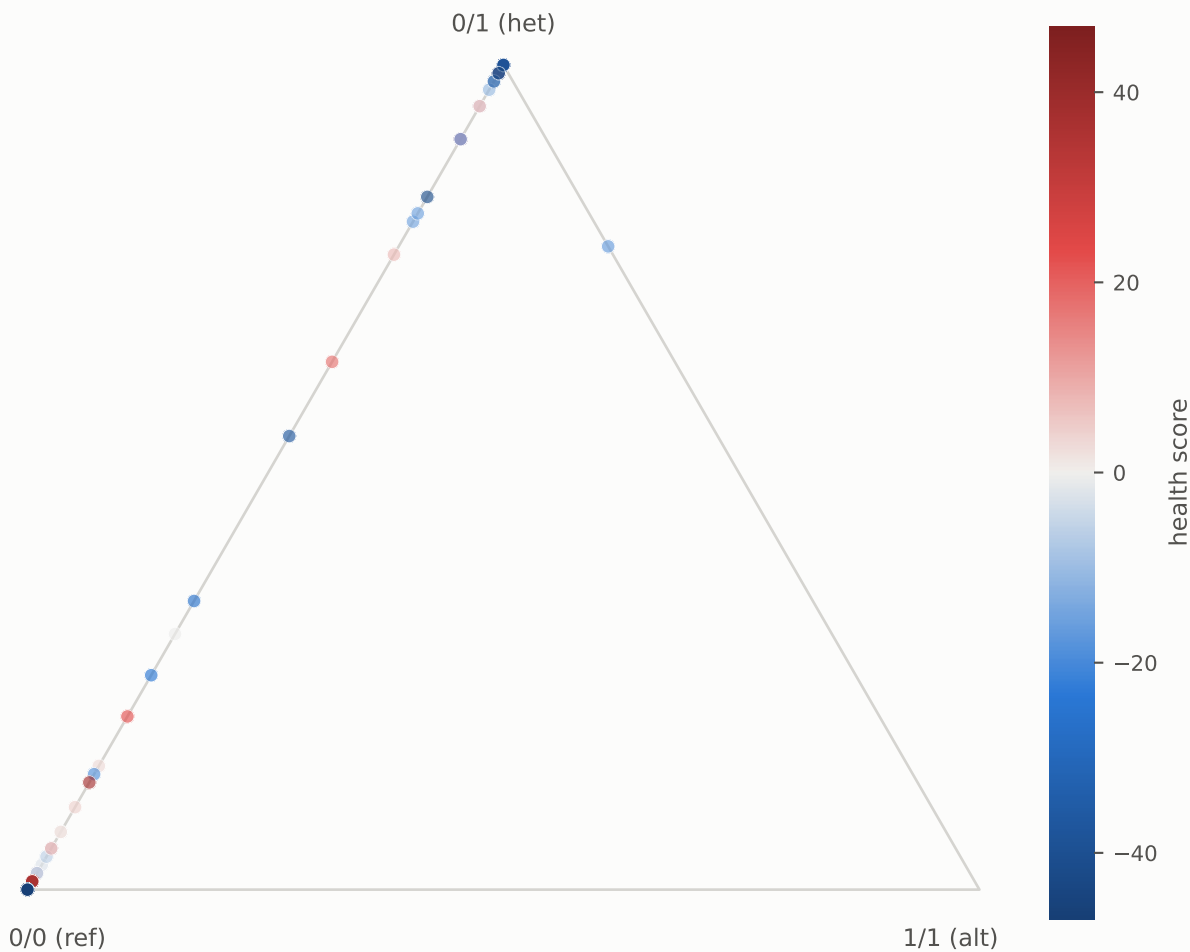
#123 by cluster health separation CHR_17:24,515,943 T>C
AF=0.064 DR2=0.93 r=-0.138 H=0.018 F=14.9



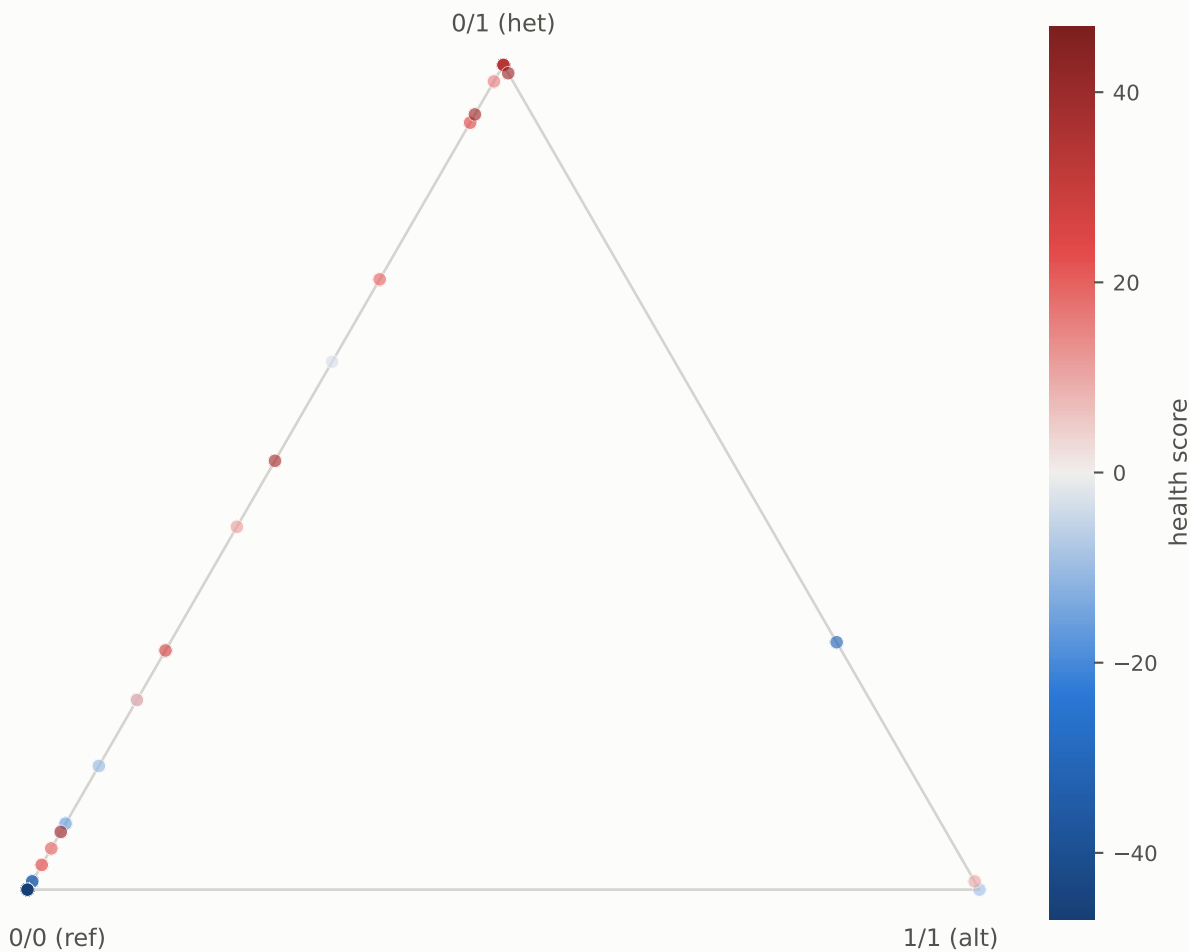
#124 by cluster health separation CHR_02:4,043,597 C>T
AF=0.058 DR2=0.92 r=+0.162 H=0.026 F=14.9



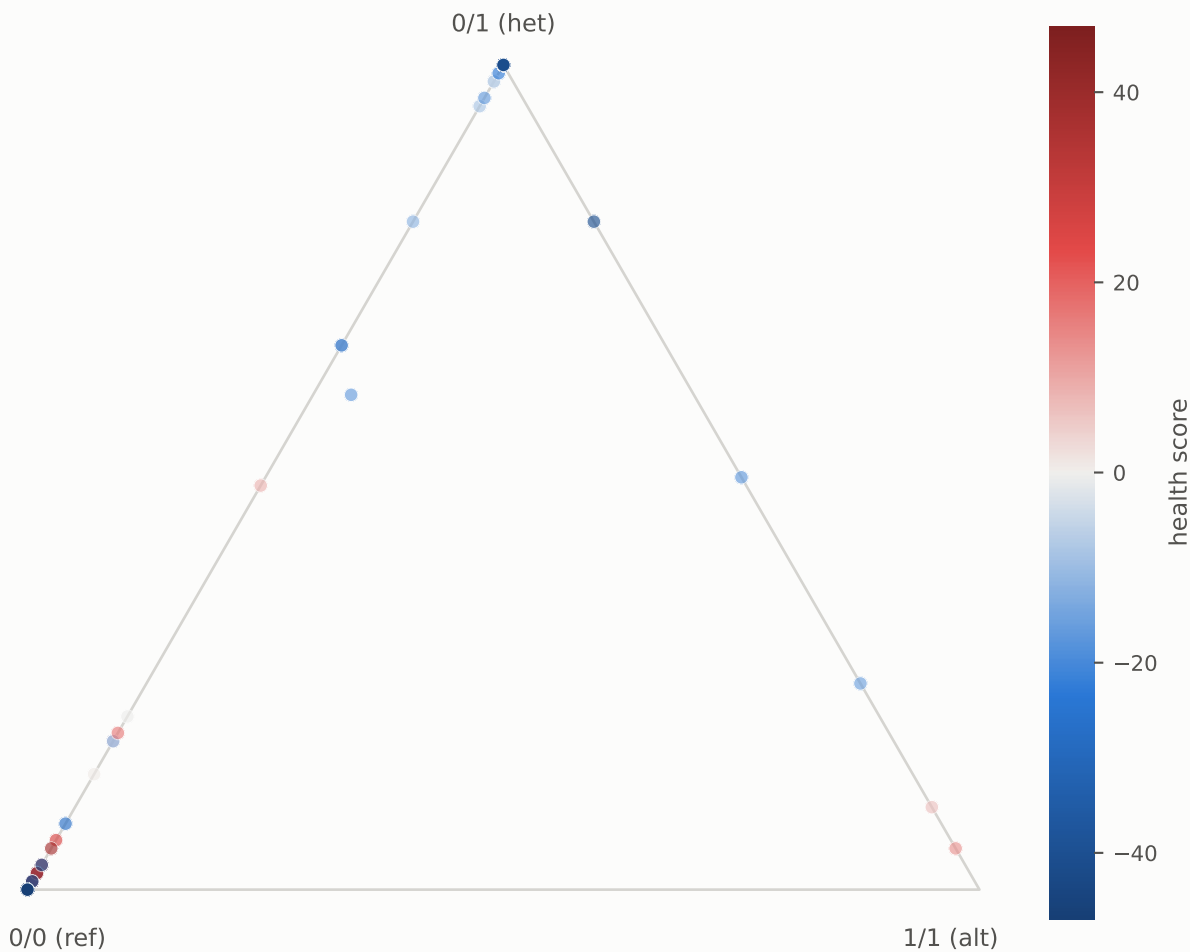
#125 by cluster health separation unpl-scaff_010:77,882 C>A
AF=0.056 DR2=0.91 r=-0.180 H=0.026 F=14.9



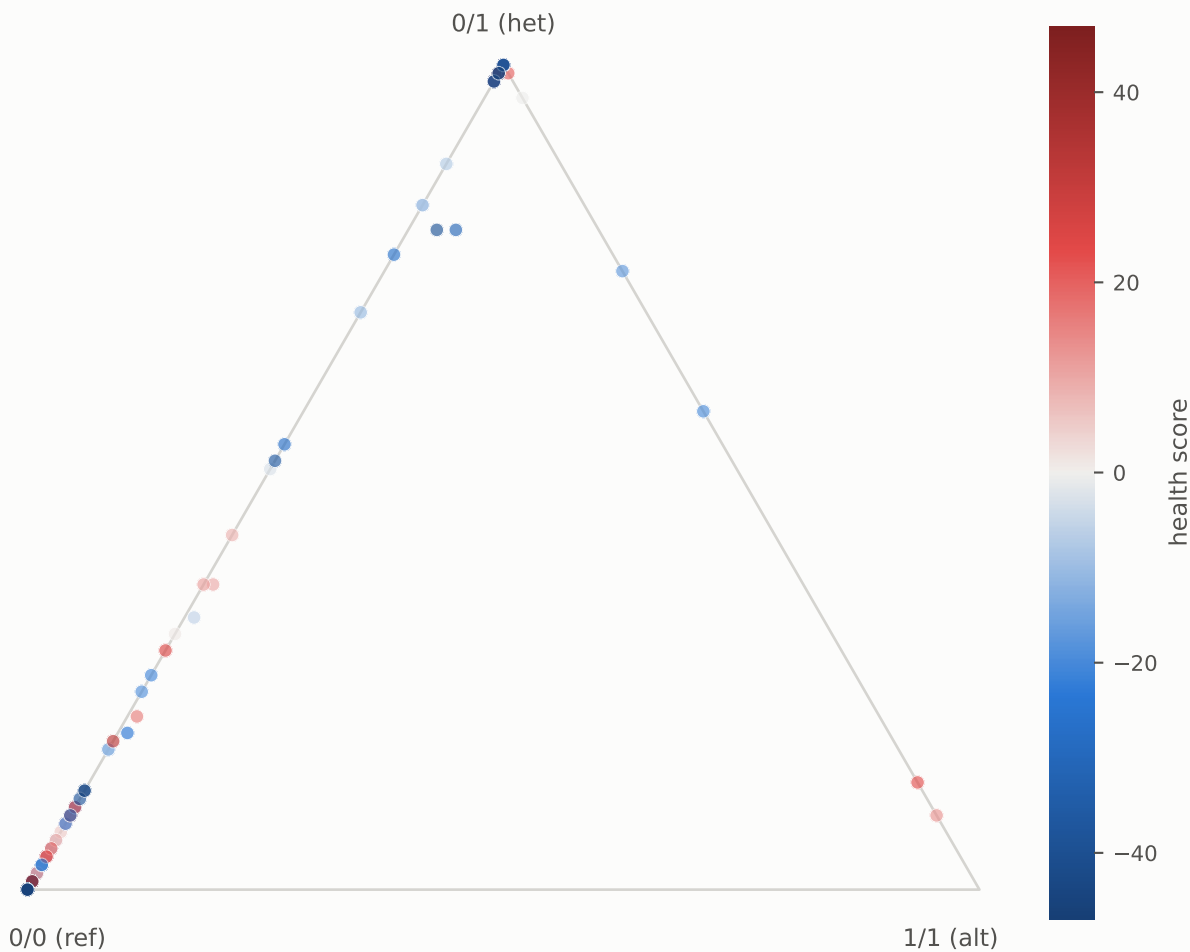
#126 by cluster health separation CHR_16:15,265,149 C>T
AF=0.076 DR2=0.96 r=+0.150 H=0.017 F=14.9



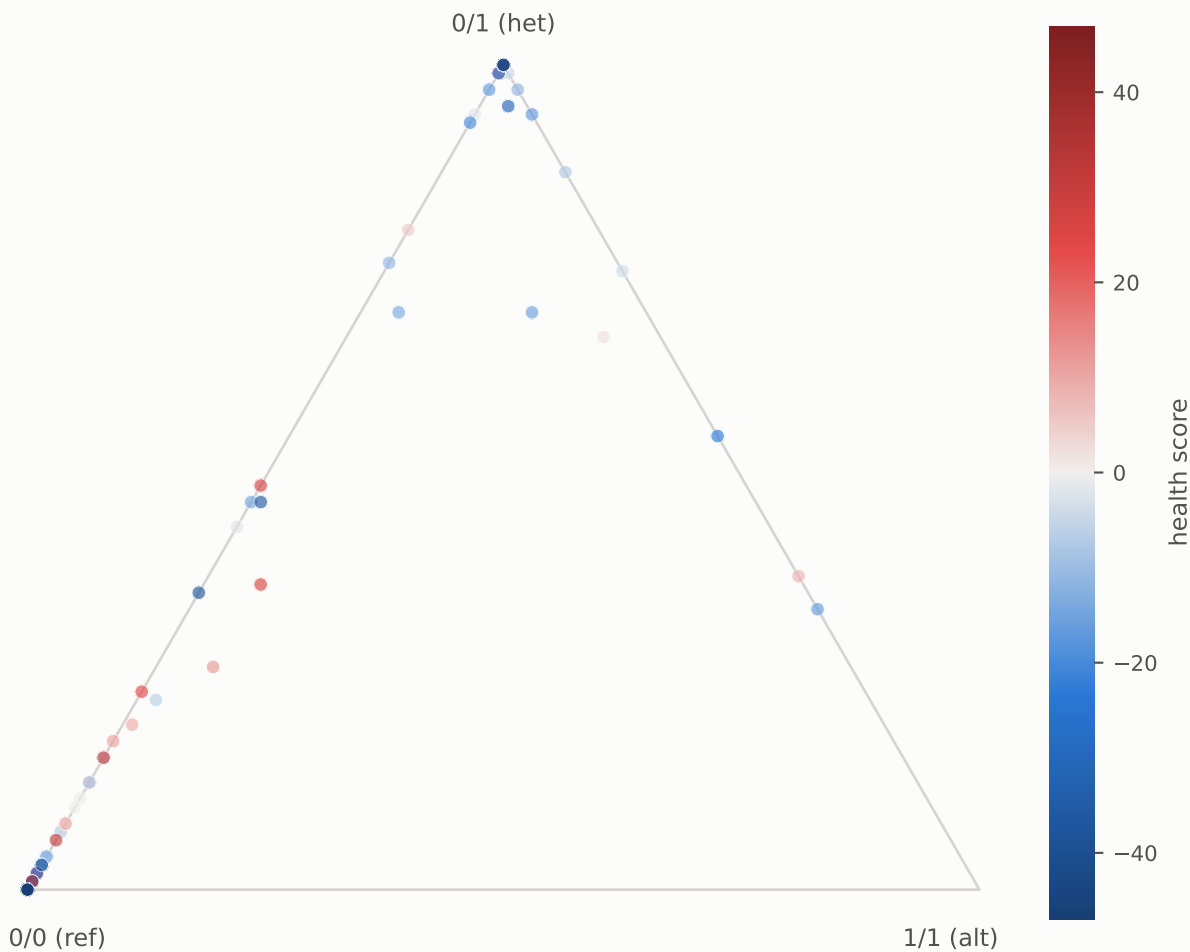
#127 by cluster health separation CHR_09:15,478,051 T>A
AF=0.044 DR2=0.92 r=-0.155 H=0.026 F=14.9



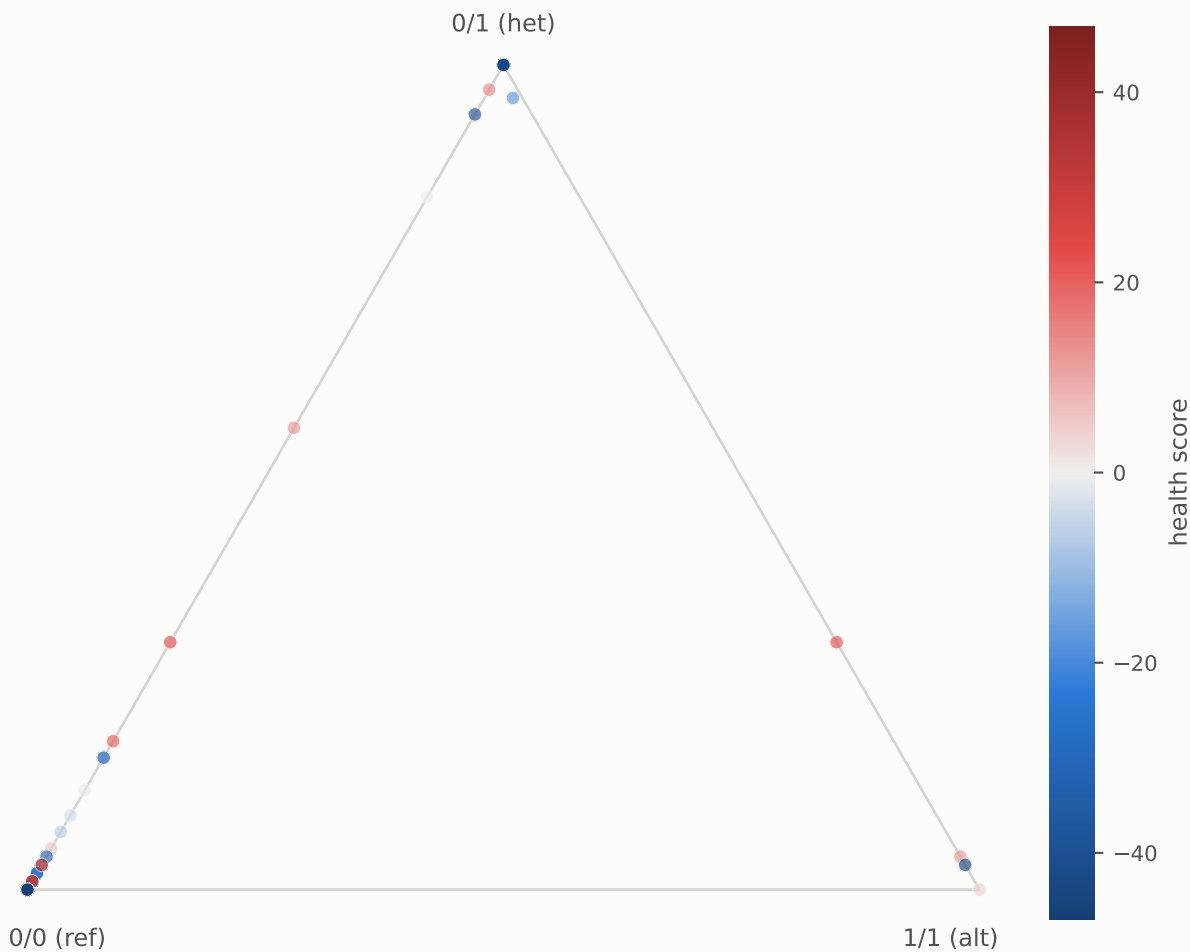
#128 by cluster health separation CHR_12:16,300,449 C>T
AF=0.045 DR2=0.83 r=-0.127 H=0.059 F=14.9



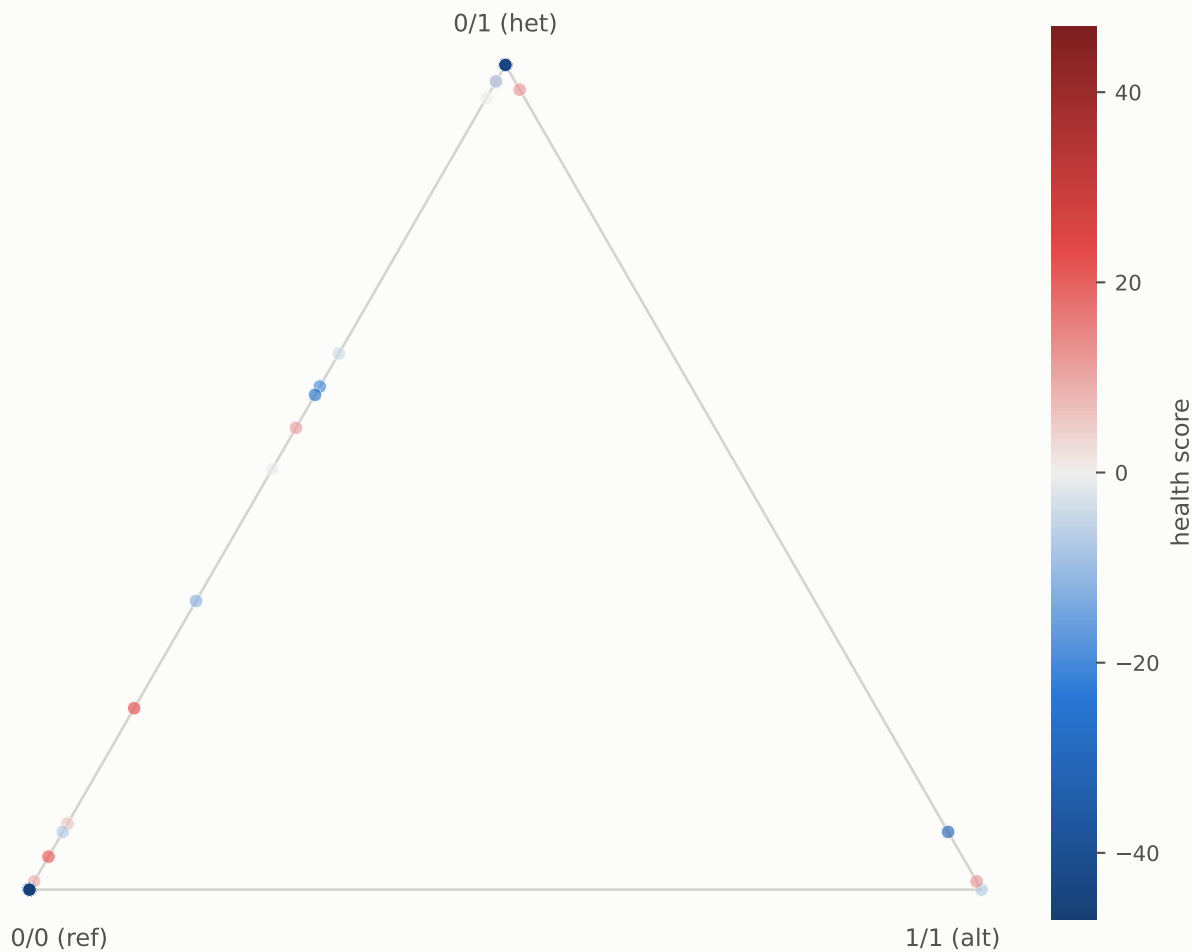
#129 by cluster health separation CHR_16:16,933,876 G>A
AF=0.061 DR2=0.86 r=-0.175 H=0.049 F=14.9



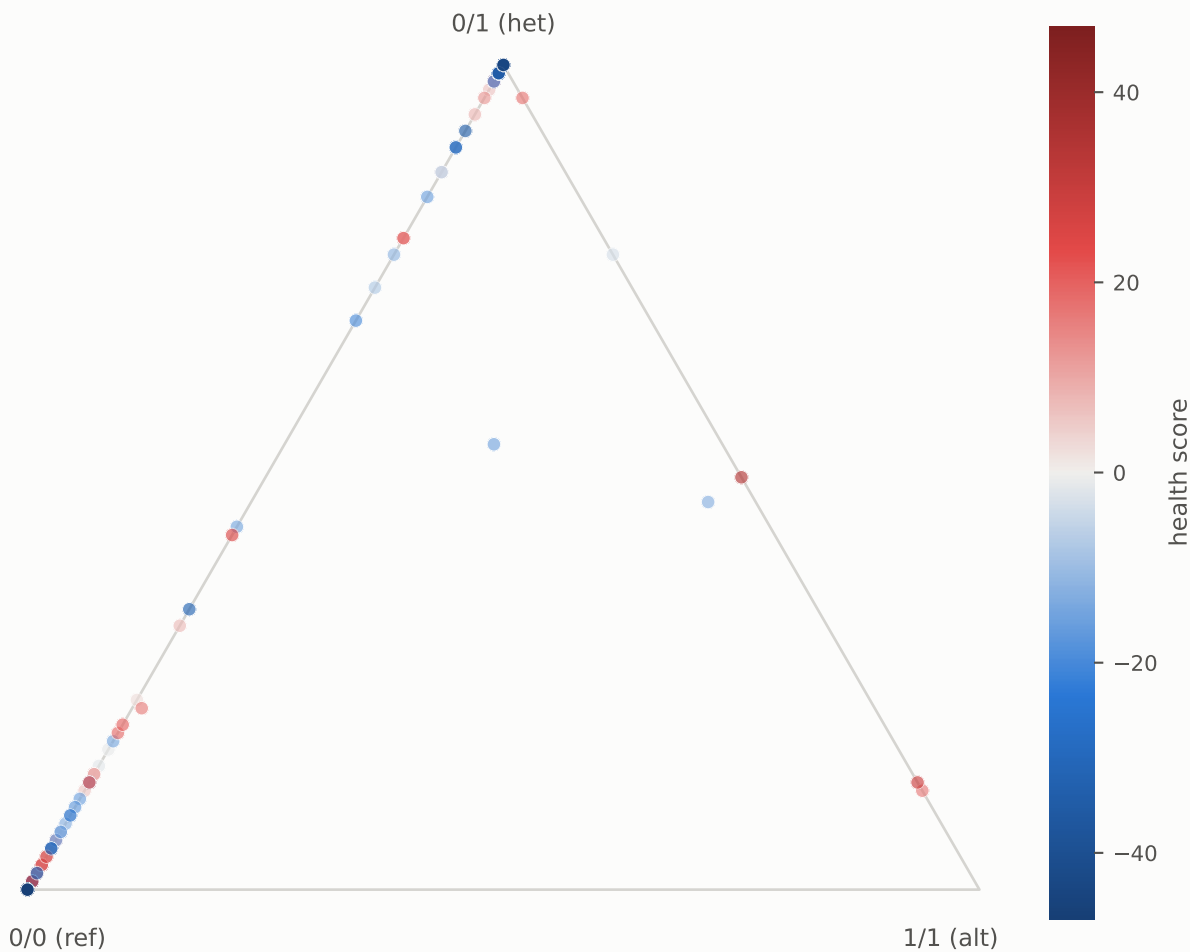
#130 by cluster health separation CHR_10:30,745,727 T>A
AF=0.051 DR2=0.94 r=-0.157 H=0.020 F=14.9



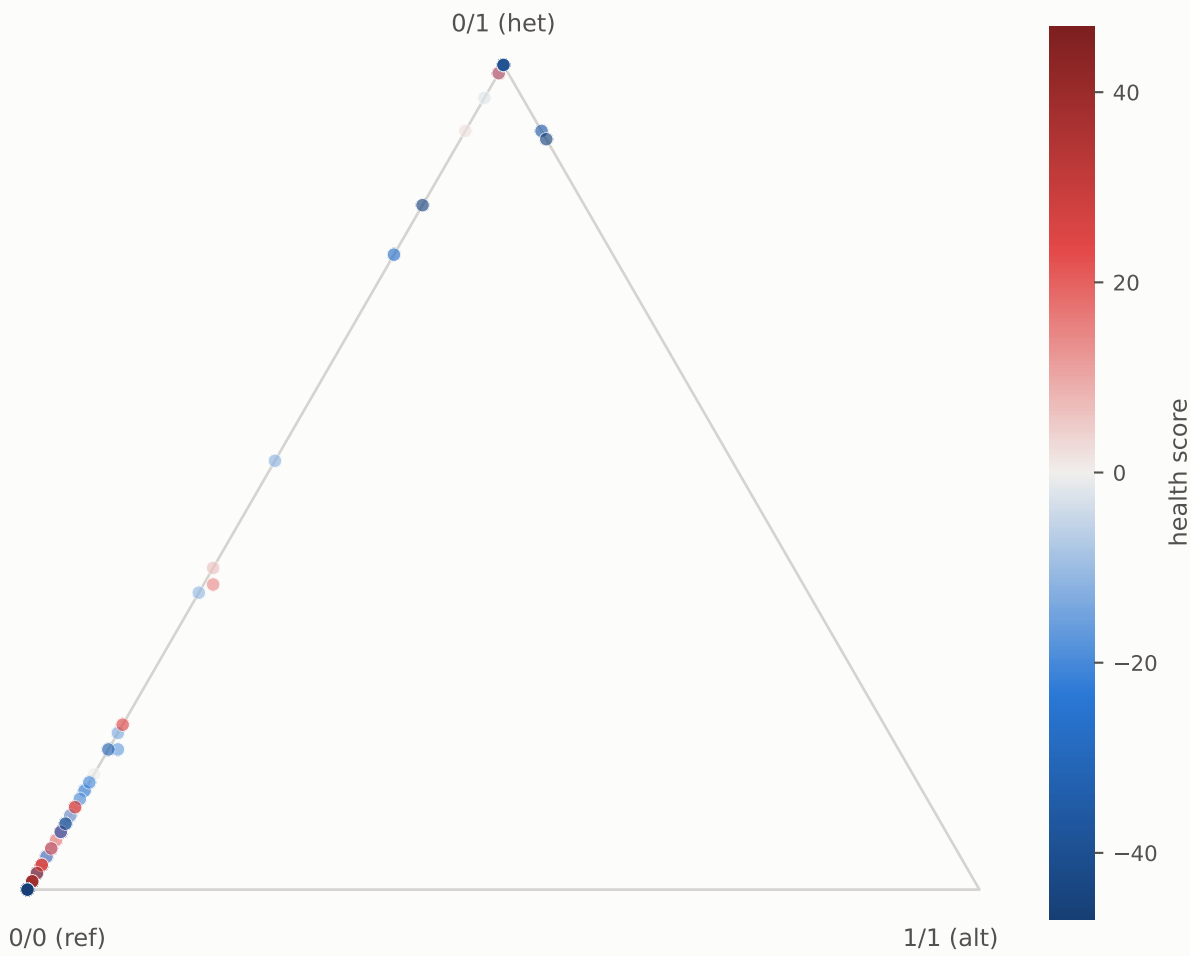
#131 by cluster health separation CHR_07:22,609,800 T>C
AF=0.056 DR2=0.97 r=-0.176 H=0.014 F=14.9



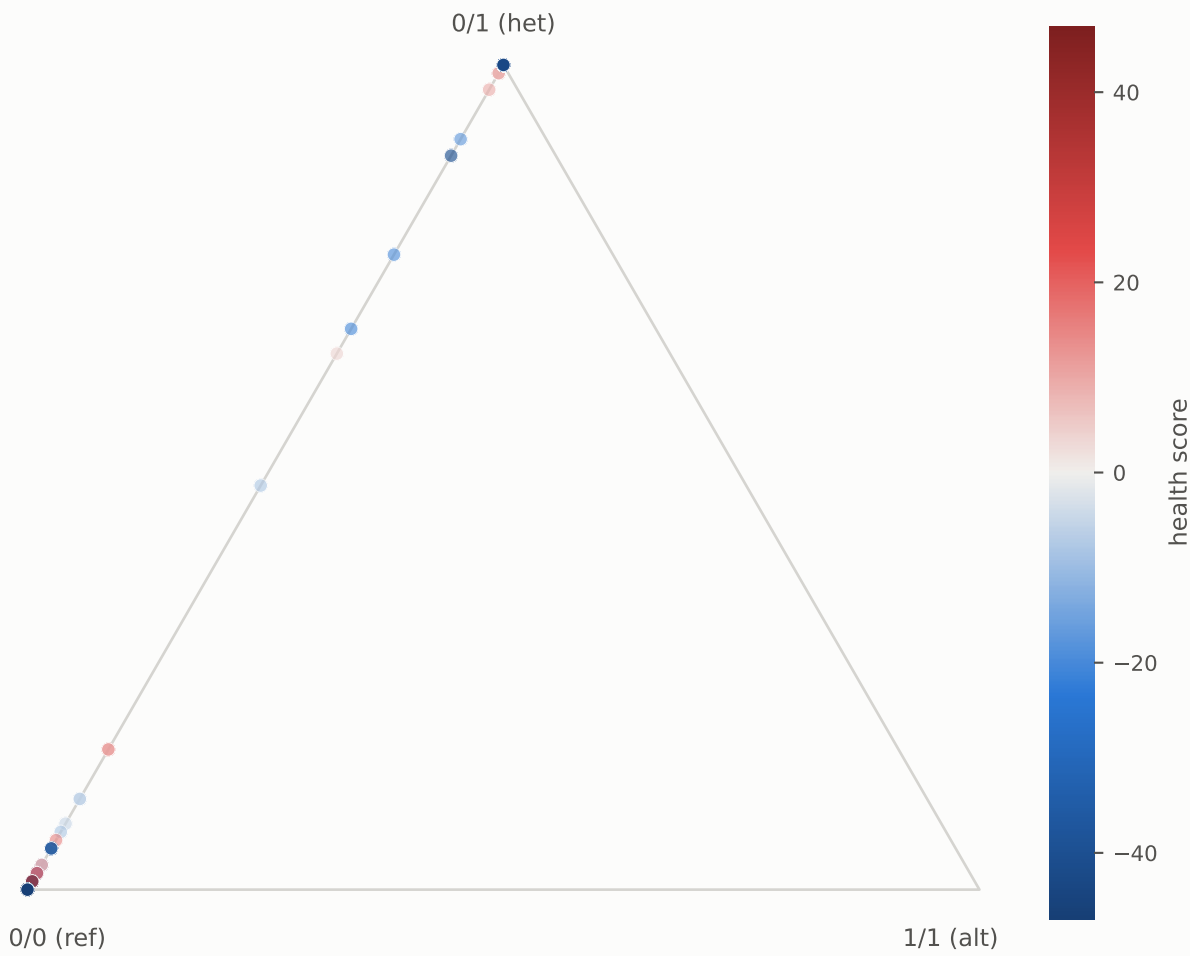
#132 by cluster health separation CHR_06:278,811 G>A
AF=0.07 DR2=0.86 $r=-0.136$ H=0.058 F=14.8



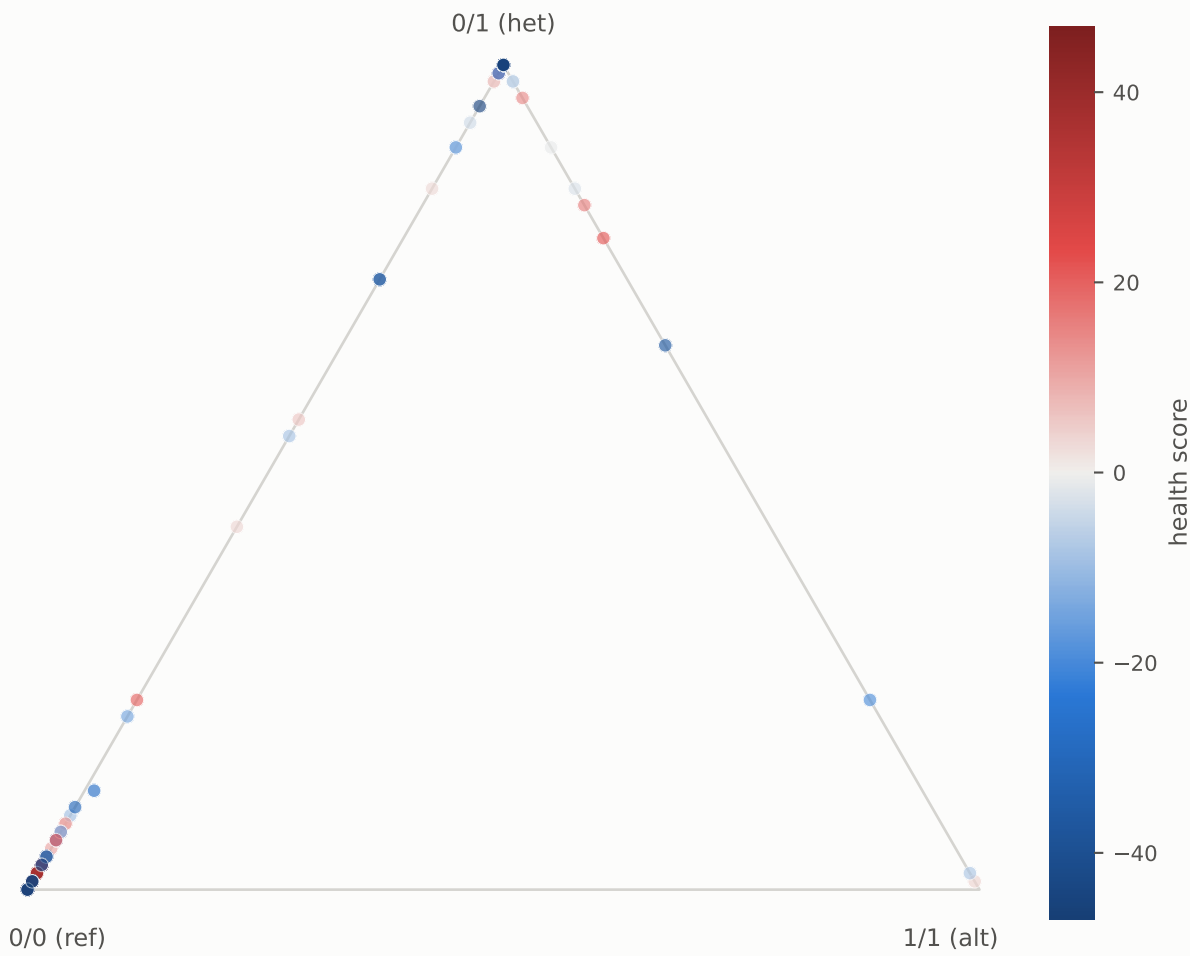
#133 by cluster health separation CHR_15:9,459,663 A>C
AF=0.033 DR2=0.82 r=-0.177 H=0.041 F=14.8



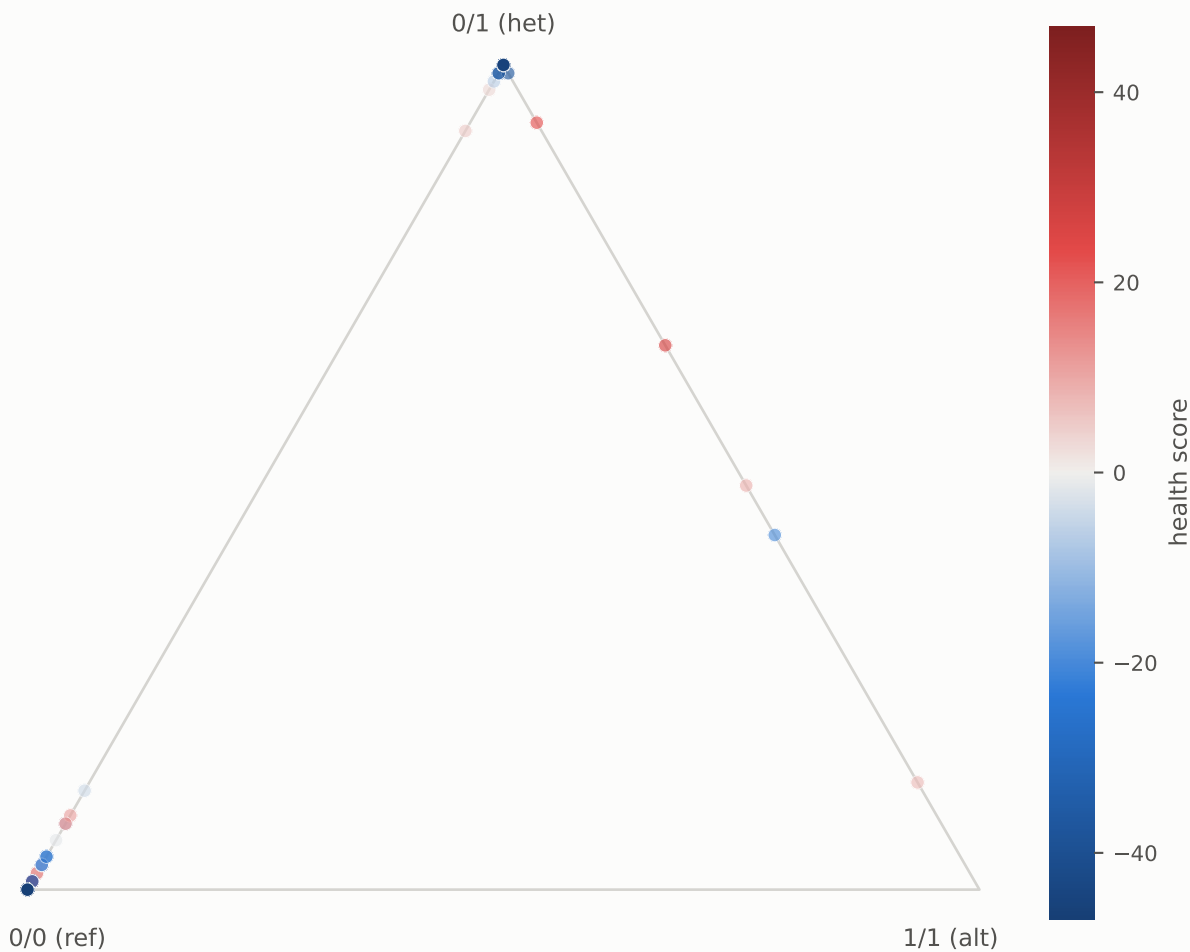
#134 by cluster health separation CHR_13:21,020,914 A>G
AF=0.046 DR2=0.92 r=-0.178 H=0.019 F=14.7



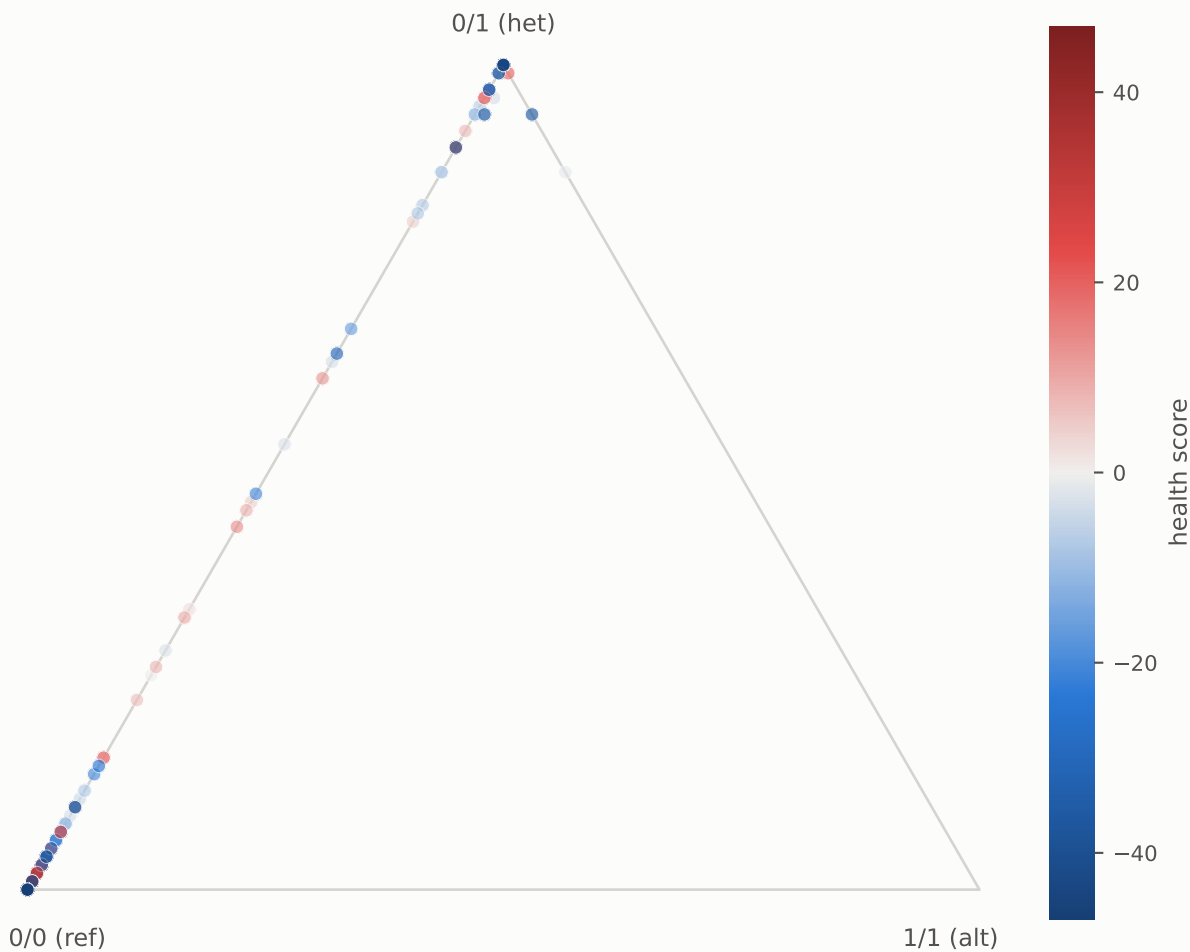
#135 by cluster health separation CHR_15:15,232,499 C>T
AF=0.073 DR2=0.91 r=-0.176 H=0.054 F=14.7



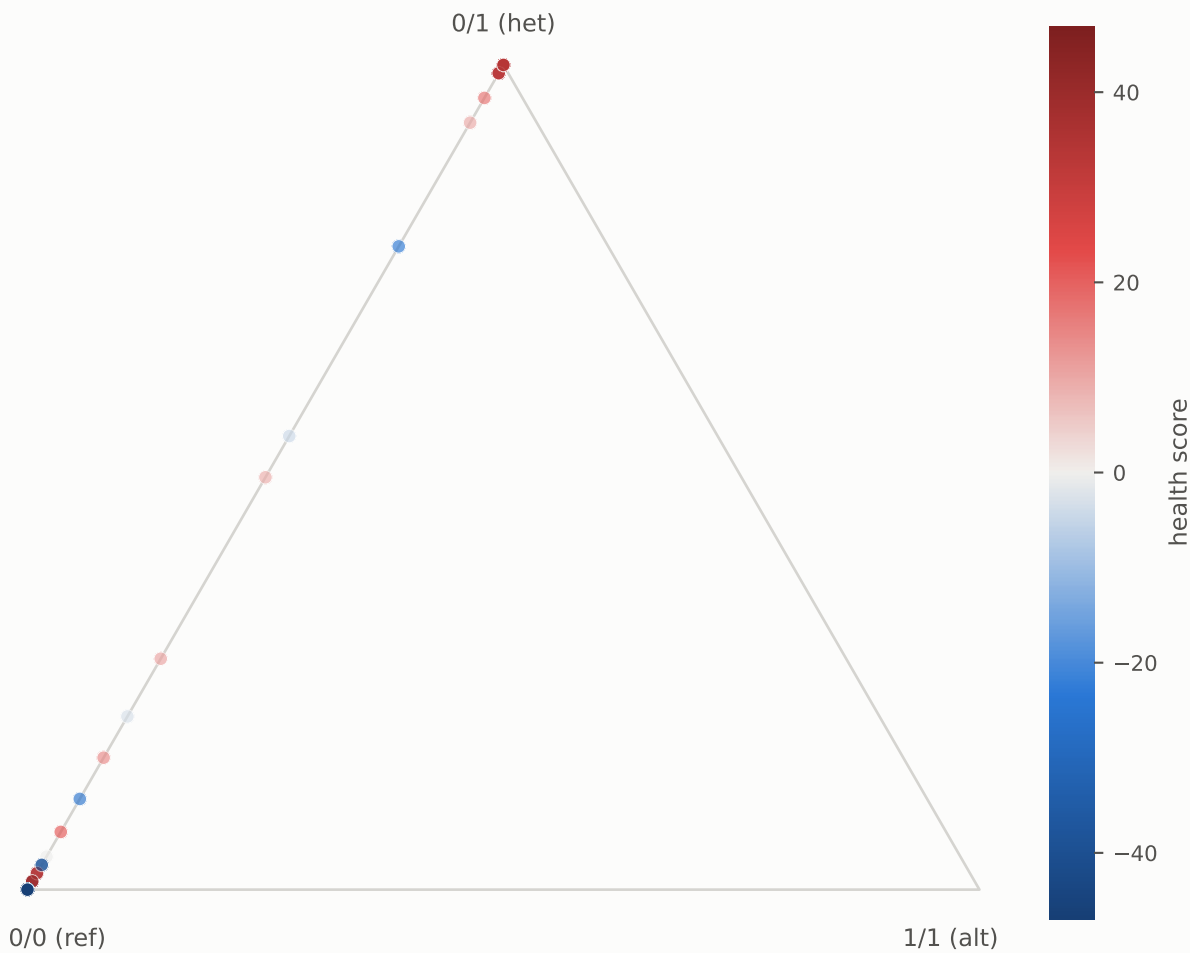
#136 by cluster health separation CHR_23:5,390,833 A>G
AF=0.04 DR2=0.94 $r=-0.157$ $H=0.015$ $F=14.7$



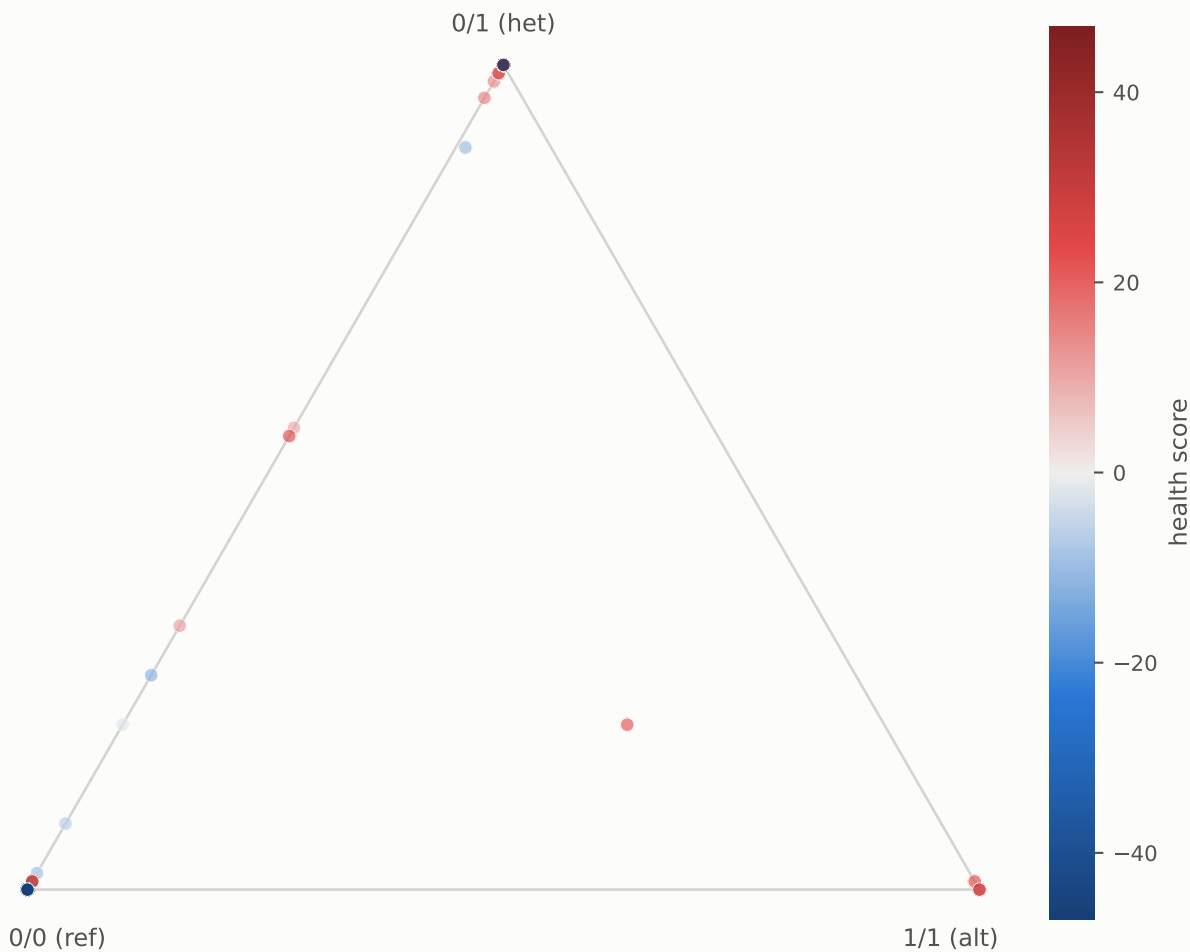
#137 by cluster health separation CHR_14:30,570,675 A>G
AF=0.052 DR2=0.81 $r=-0.185$ H=0.068 F=14.7



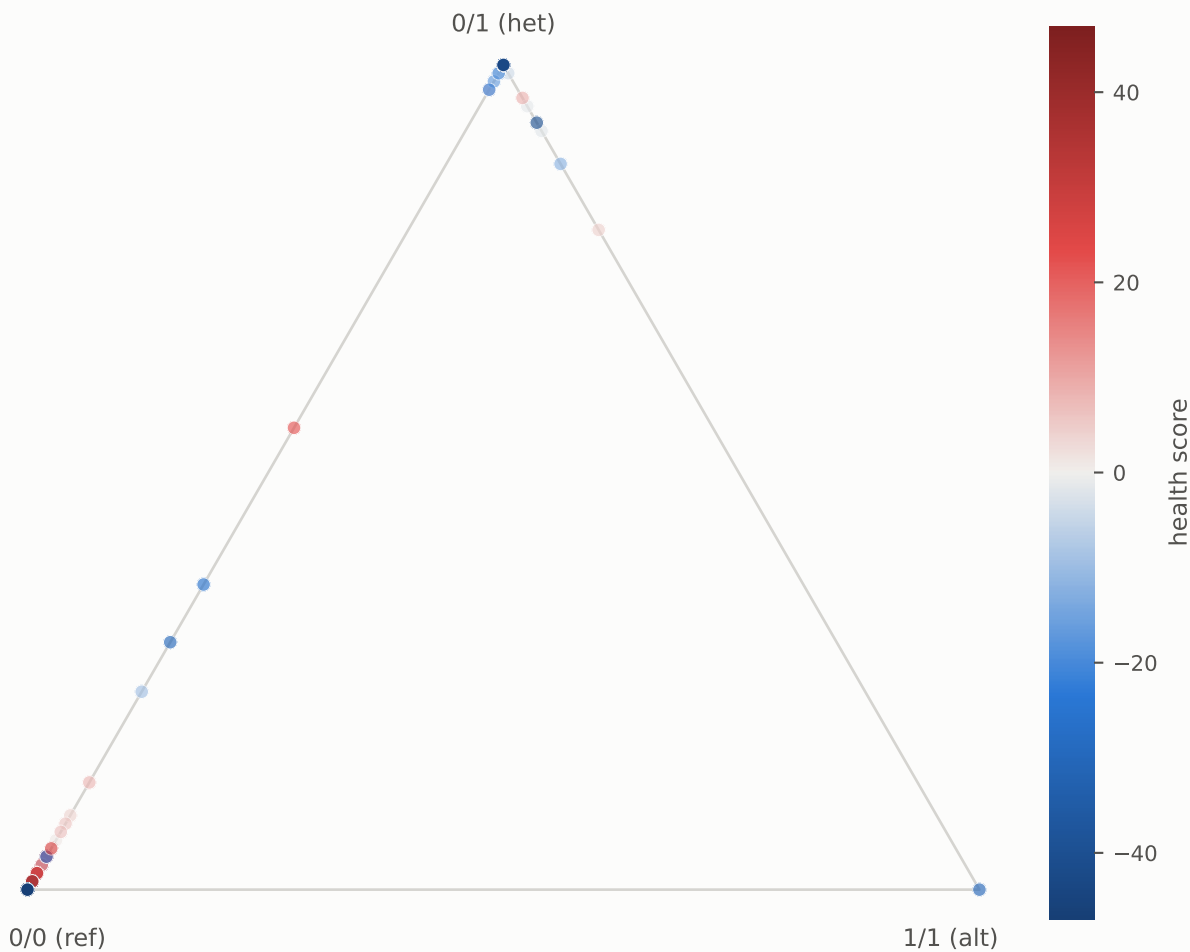
#138 by cluster health separation CHR_14:10,022,110 C>T
AF=0.041 DR2=0.95 r=+0.187 H=0.016 F=14.7



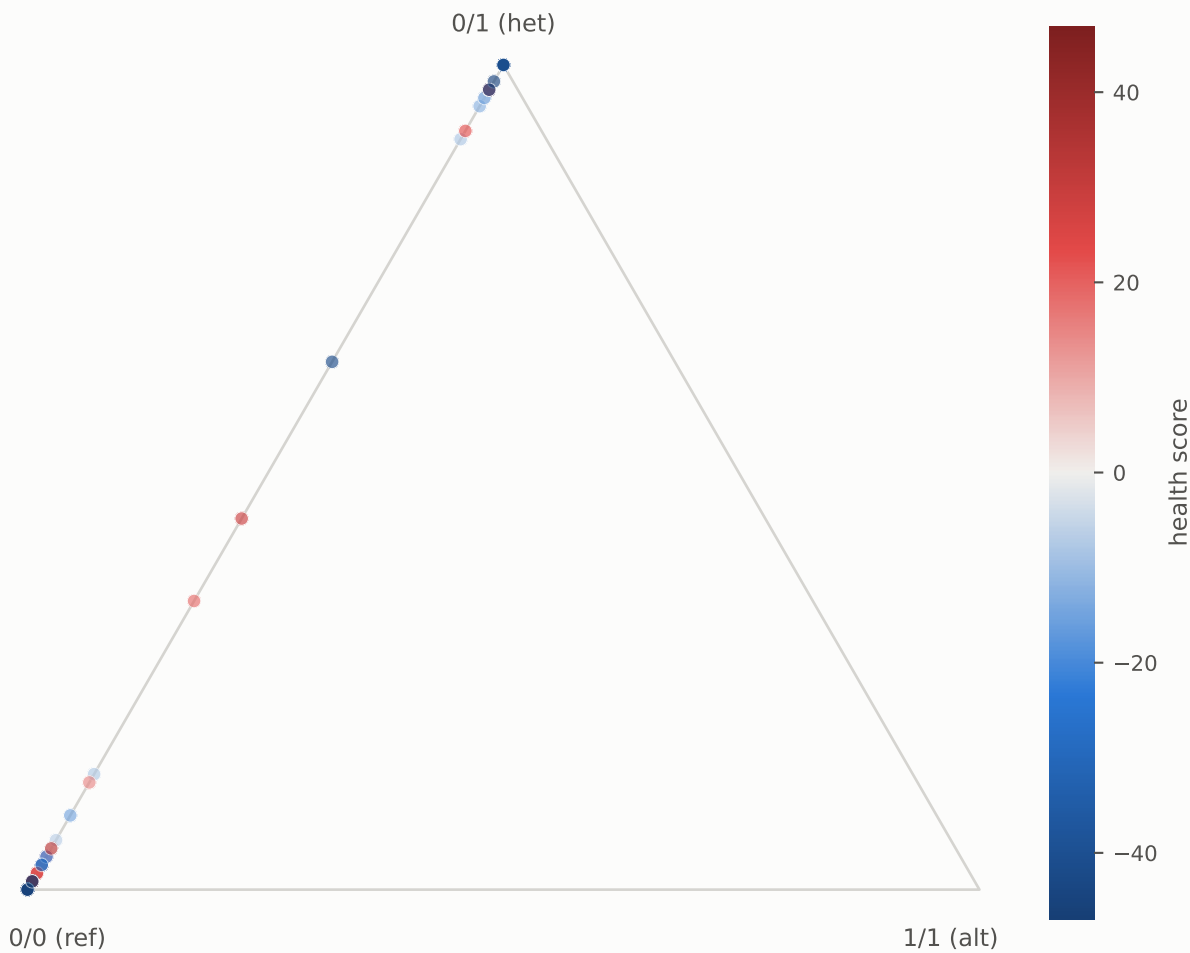
#139 by cluster health separation CHR_04:41,242,128 C>A
AF=0.078 DR2=0.97 r=+0.244 H=0.013 F=14.7



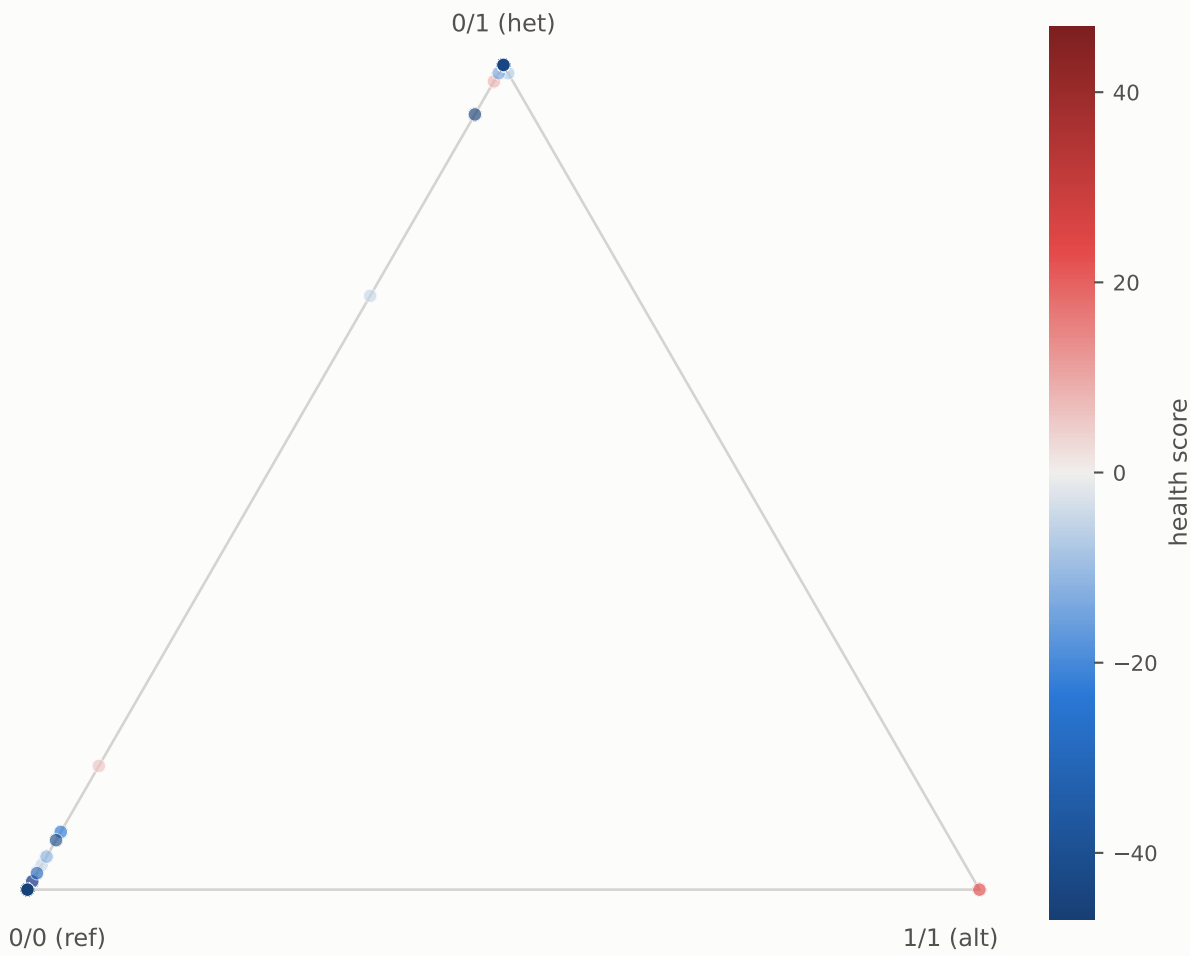
#140 by cluster health separation CHR_06:18,657,519 G>A
AF=0.032 DR2=0.9 r=-0.206 H=0.027 F=14.7



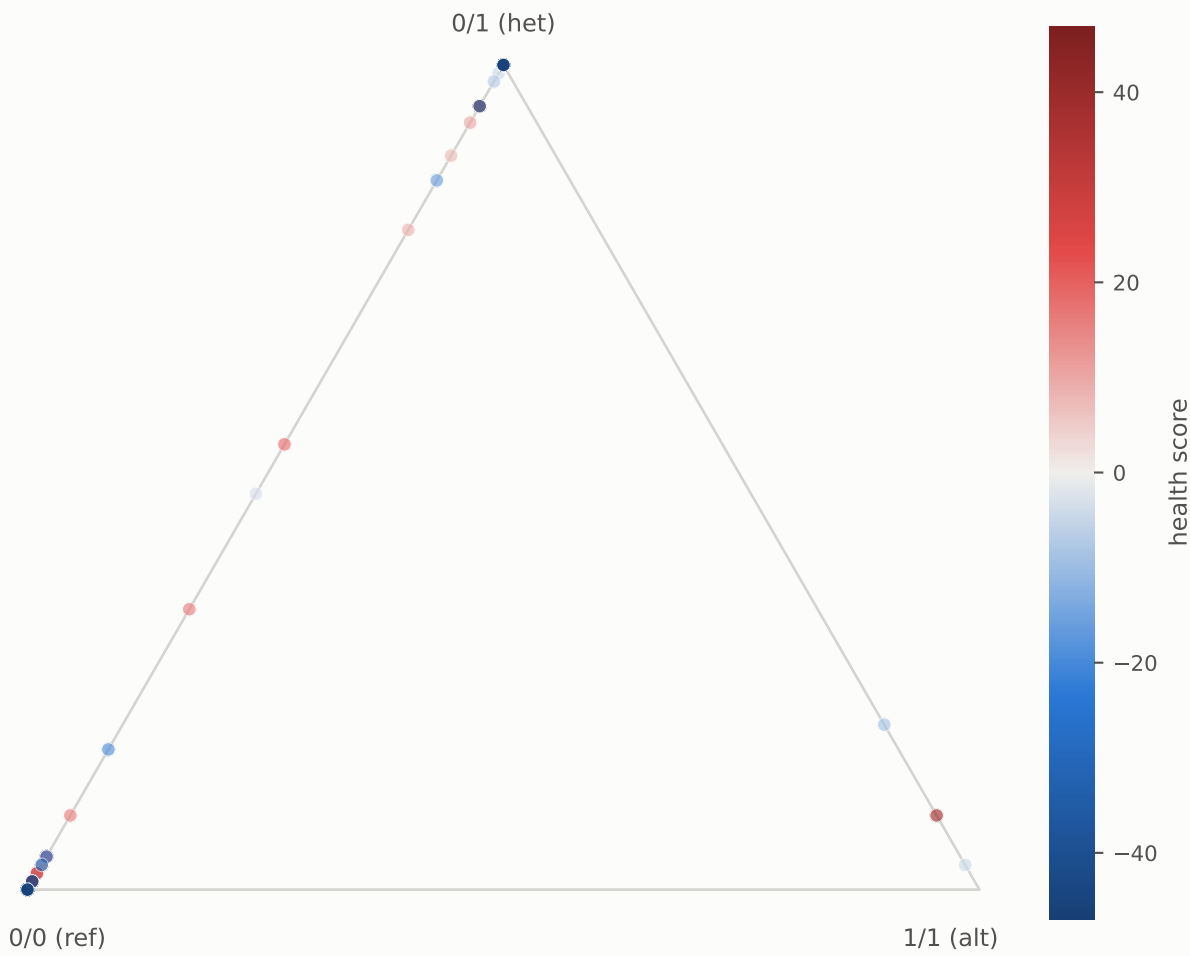
#141 by cluster health separation CHR_01:47,472,382 A>C
AF=0.051 DR2=0.95 r=-0.166 H=0.017 F=14.7



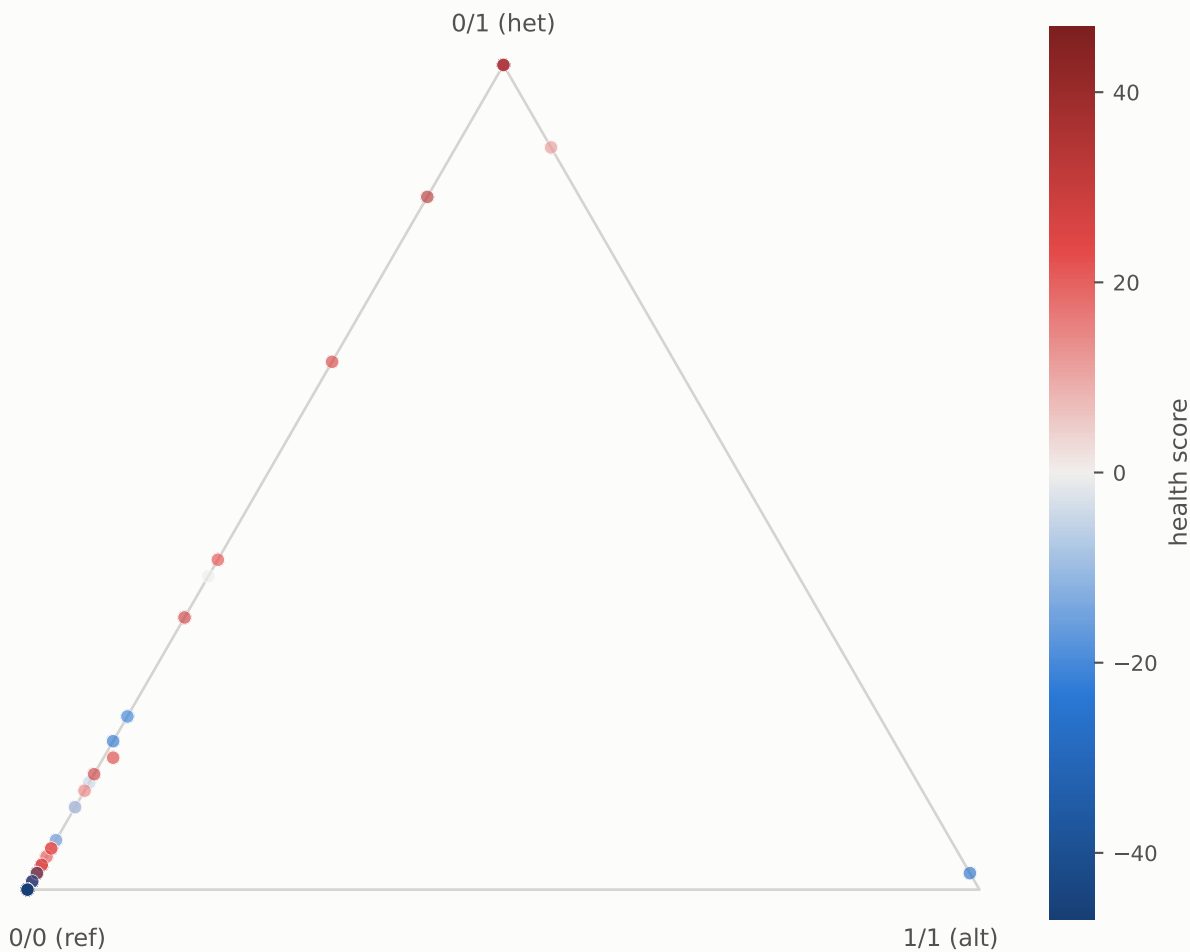
#142 by cluster health separation CHR_10:27,829,179 C>T
AF=0.048 DR2=0.97 r=-0.148 H=0.007 F=14.7



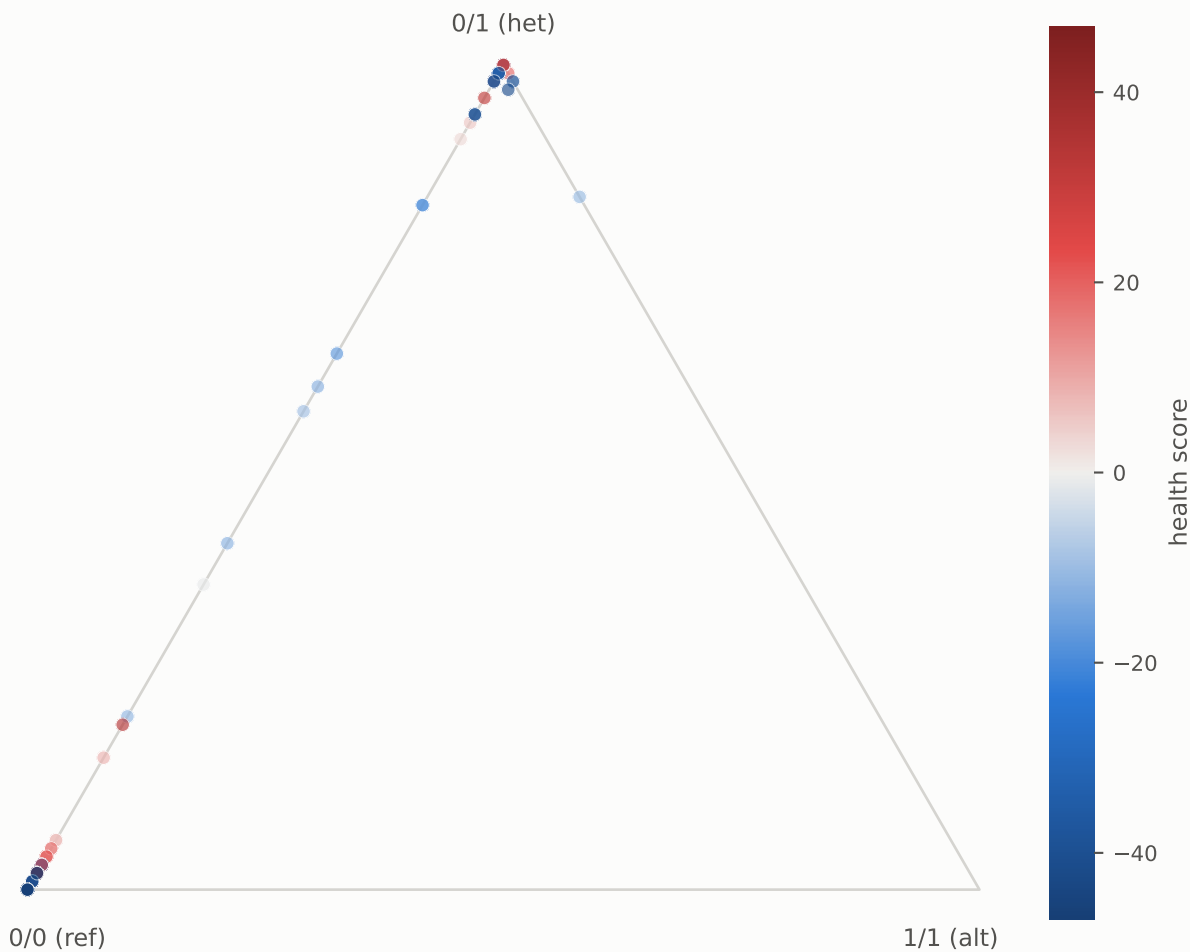
#143 by cluster health separation CHR_22:11,002,426 C>T
AF=0.063 DR2=0.96 r=-0.151 H=0.019 F=14.7



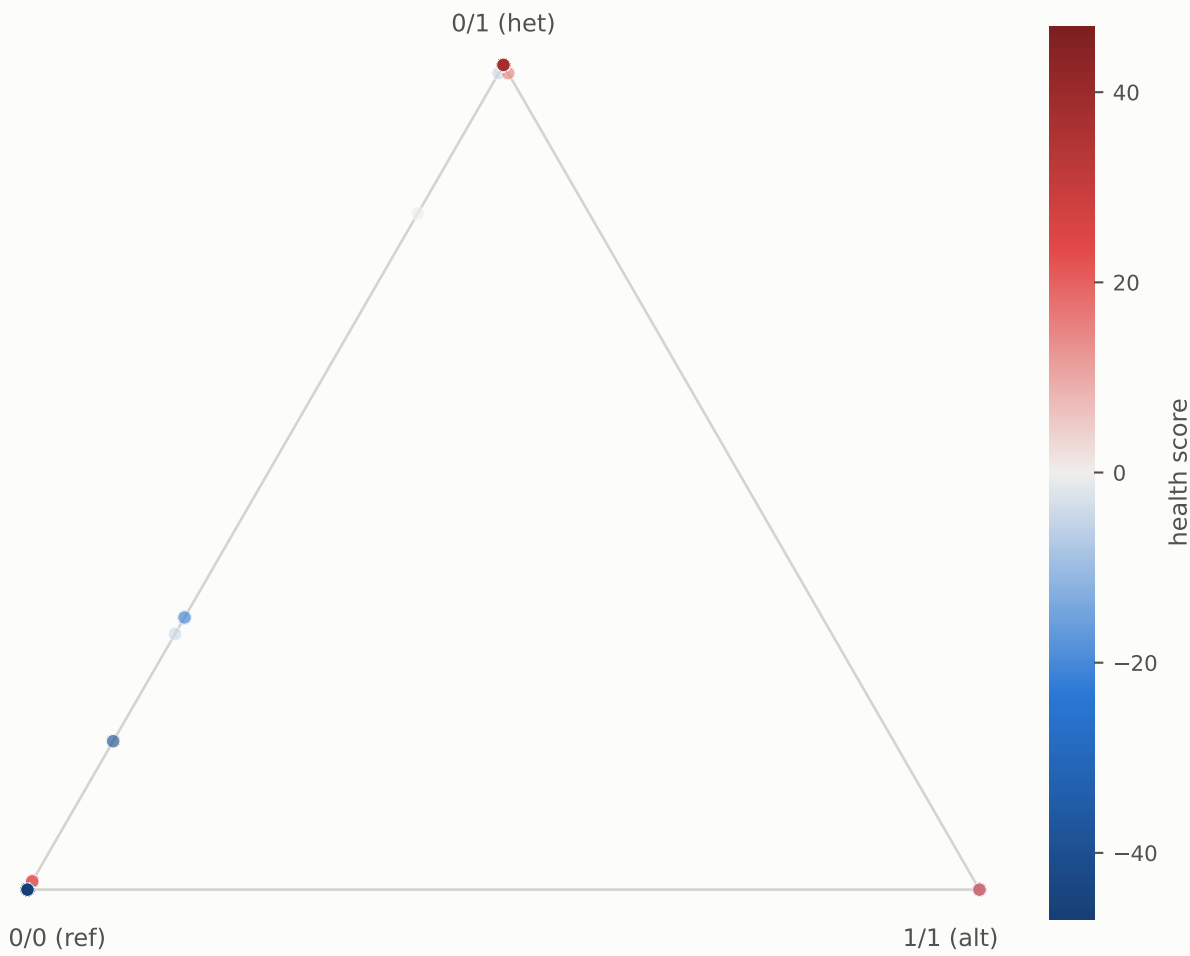
#144 by cluster health separation CHR_05:7,321,312 G>A
AF=0.046 DR2=0.93 r=+0.151 H=0.024 F=14.7



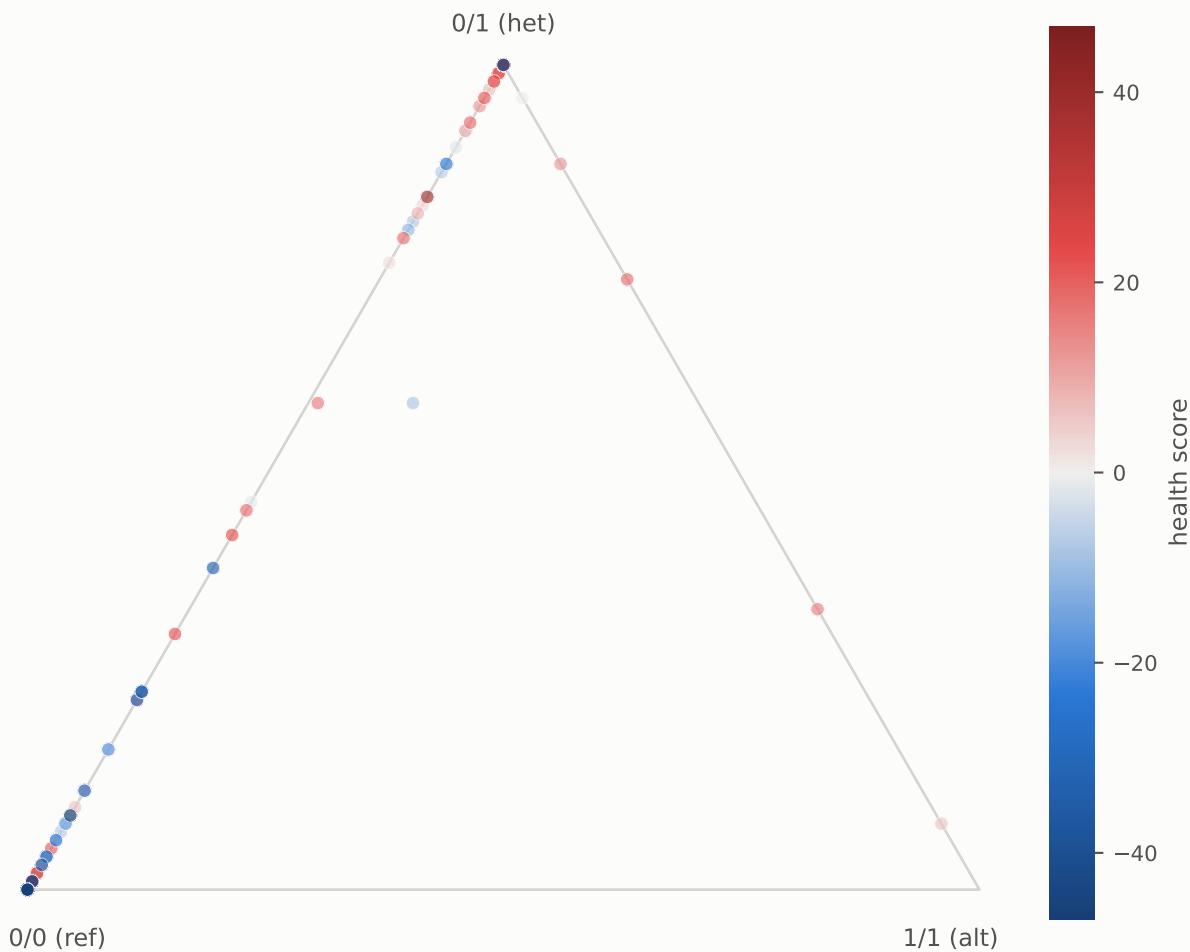
#145 by cluster health separation CHR_07:31,818,443 A>C
AF=0.042 DR2=0.85 r=-0.174 H=0.056 F=14.7



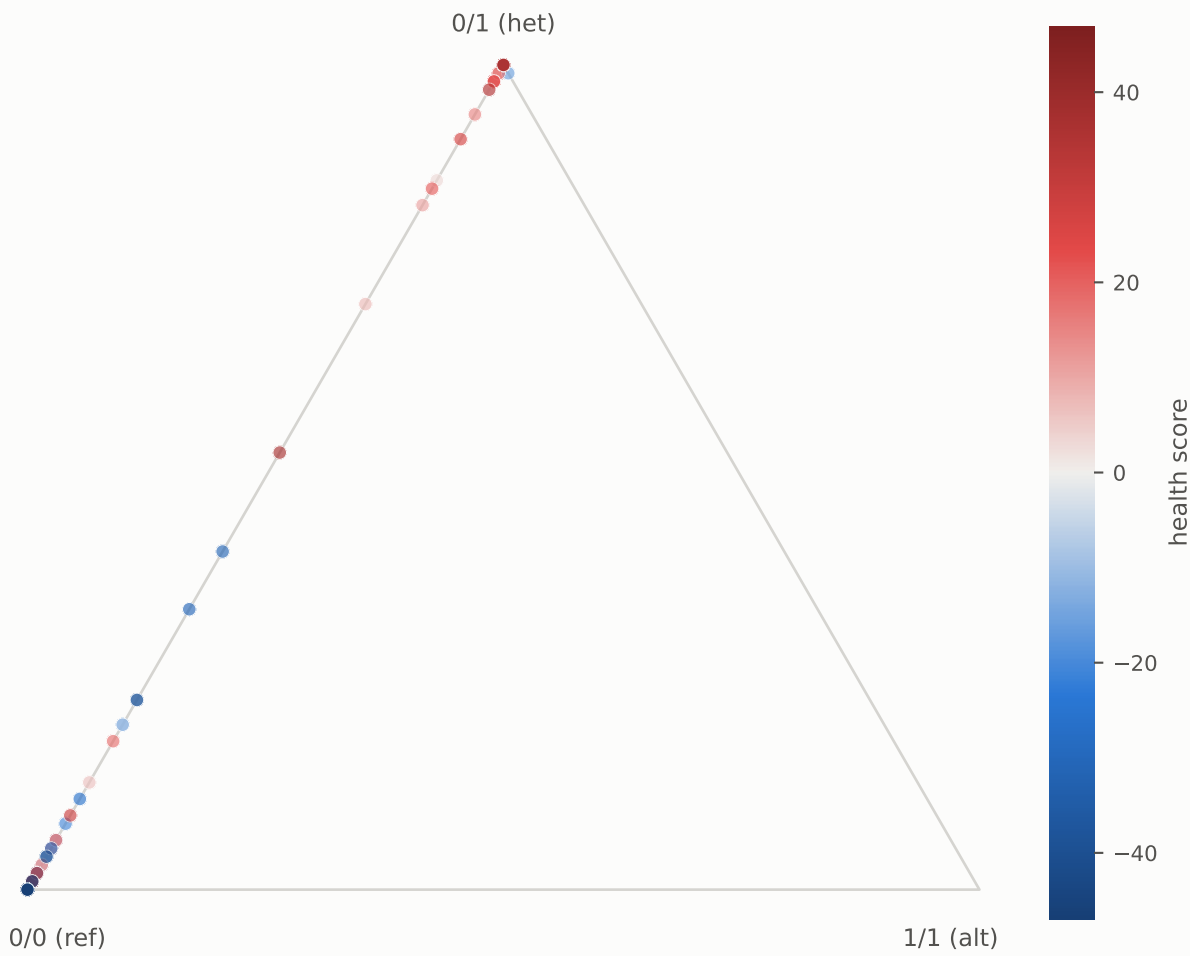
#146 by cluster health separation CHR_08:29,447,379 G>T
AF=0.06 DR2=0.99 r=+0.163 H=0.006 F=14.7



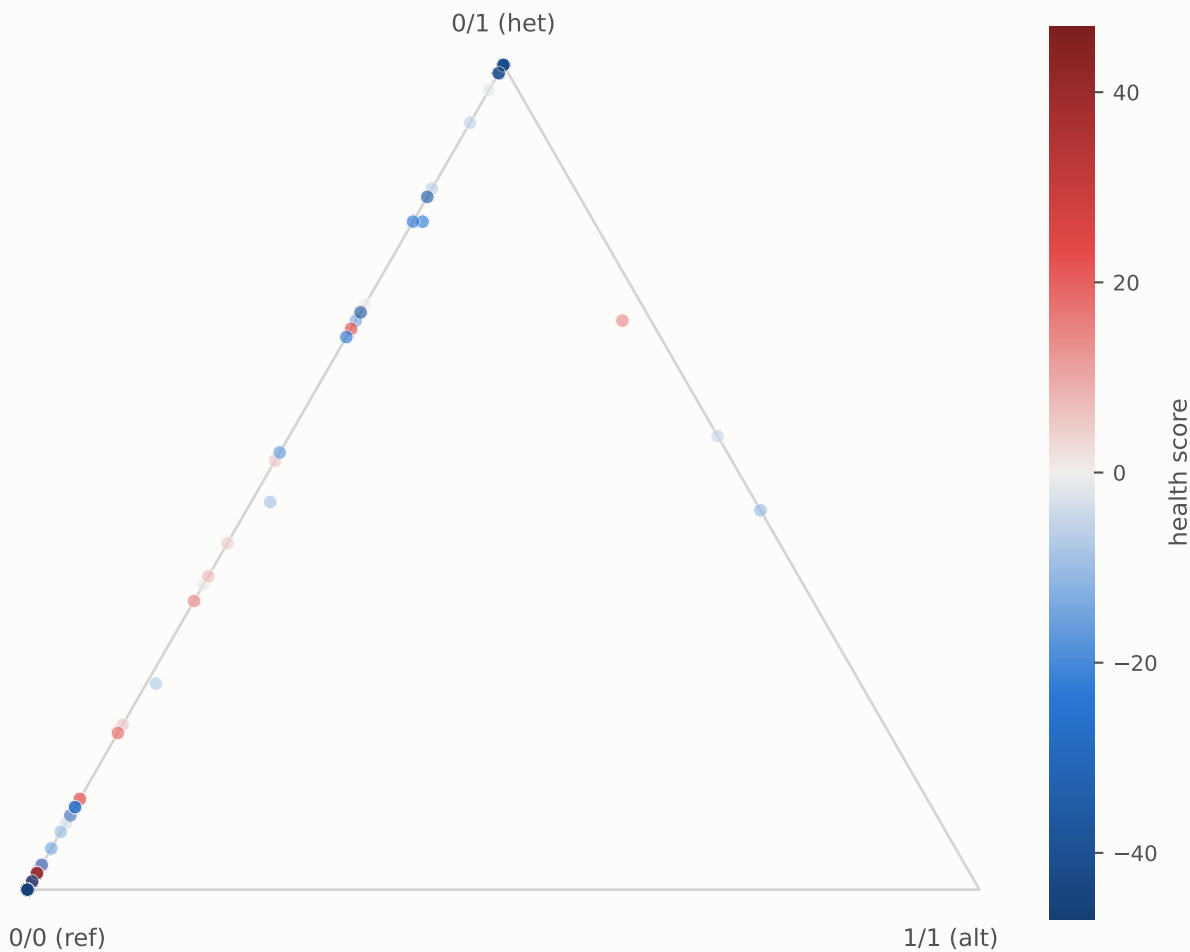
#147 by cluster health separation CHR_11:12,300,364 T>C
AF=0.083 DR2=0.89 $r=+0.176$ $H=0.054$ $F=14.7$



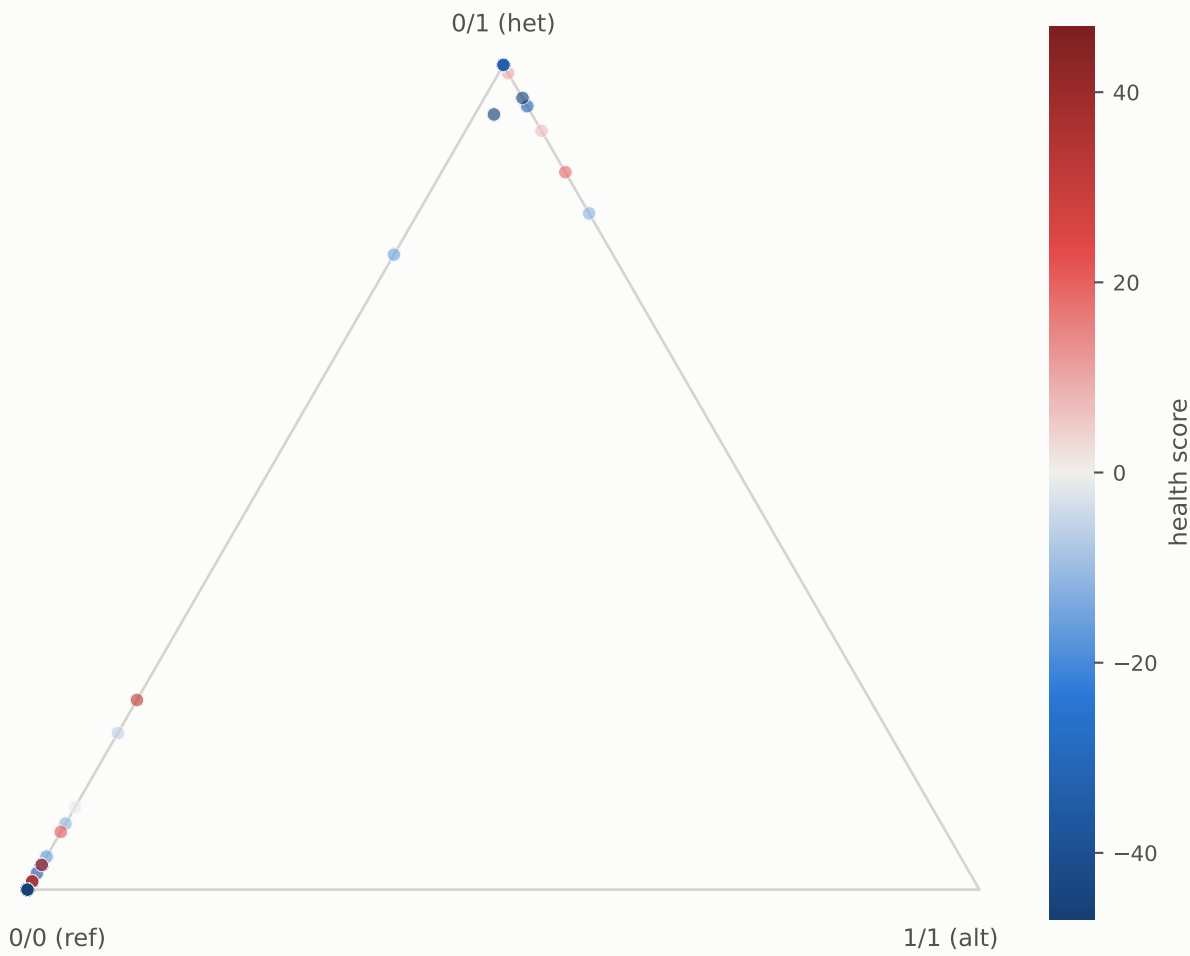
#148 by cluster health separation unpl-scaff_125:9,464 G>A
AF=0.045 DR2=0.89 r=+0.153 H=0.030 F=14.7



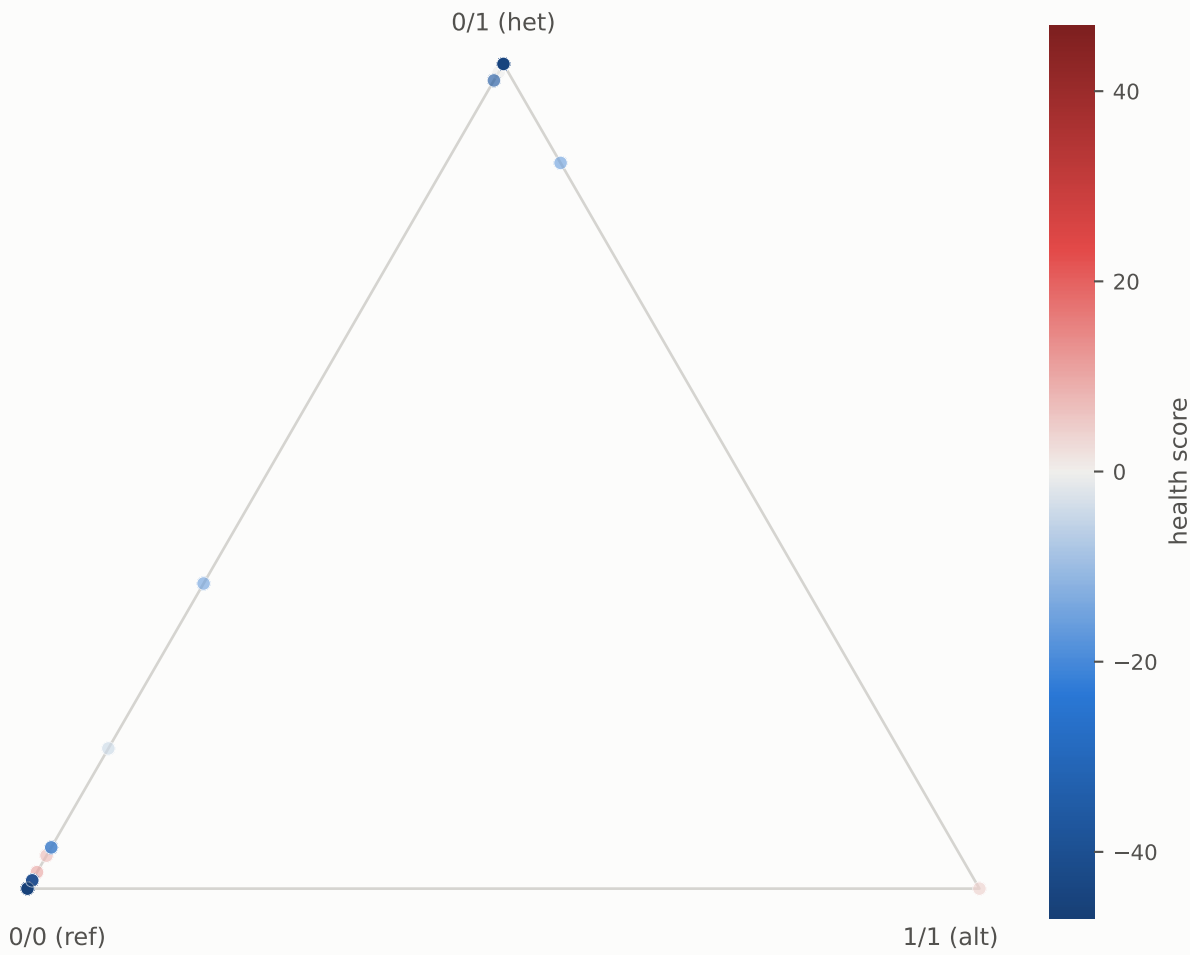
#149 by cluster health separation CHR_04:28,347,157 C>T
AF=0.073 DR2=0.87 r=-0.169 H=0.042 F=14.7



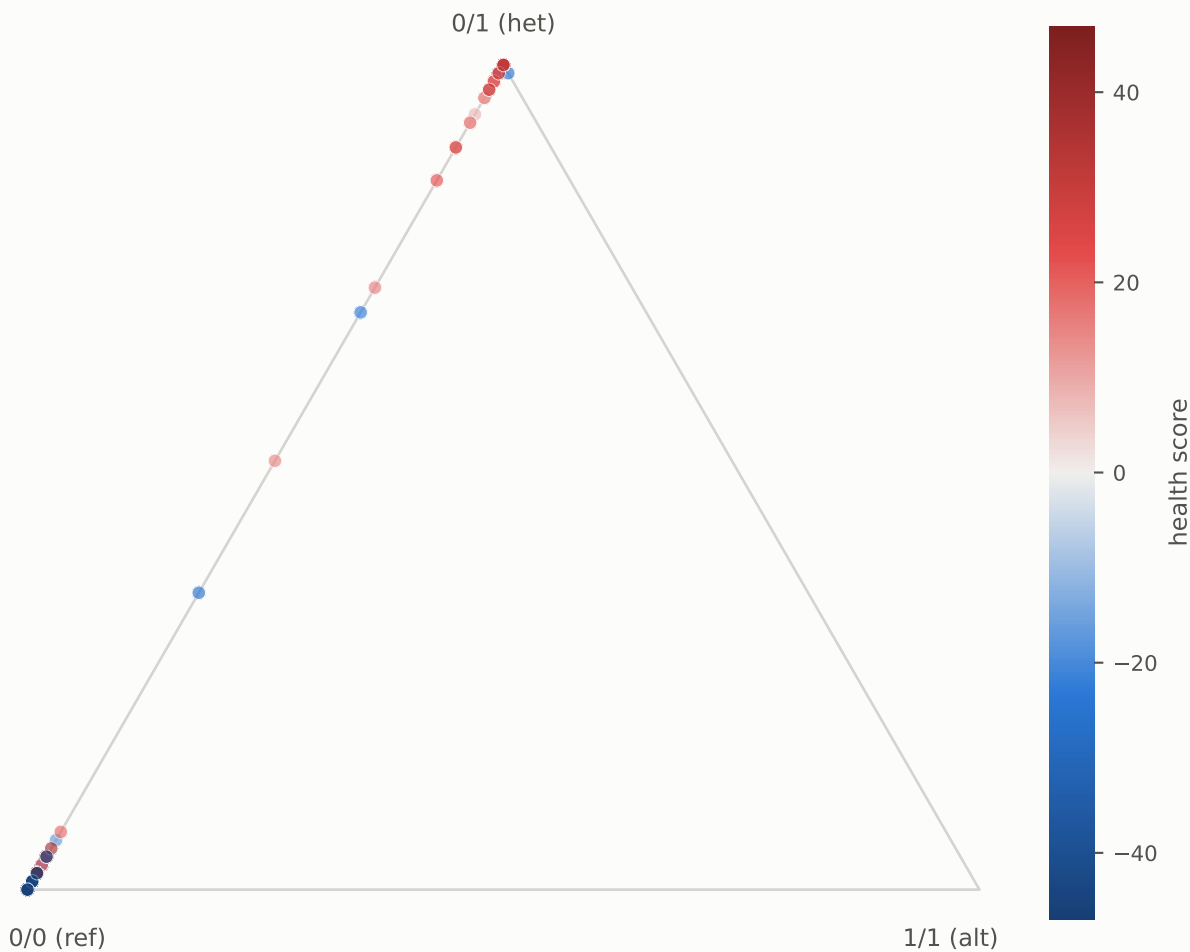
#150 by cluster health separation CHR_18:24,012,244 C>T
AF=0.019 DR2=0.89 r=-0.169 H=0.017 F=14.6



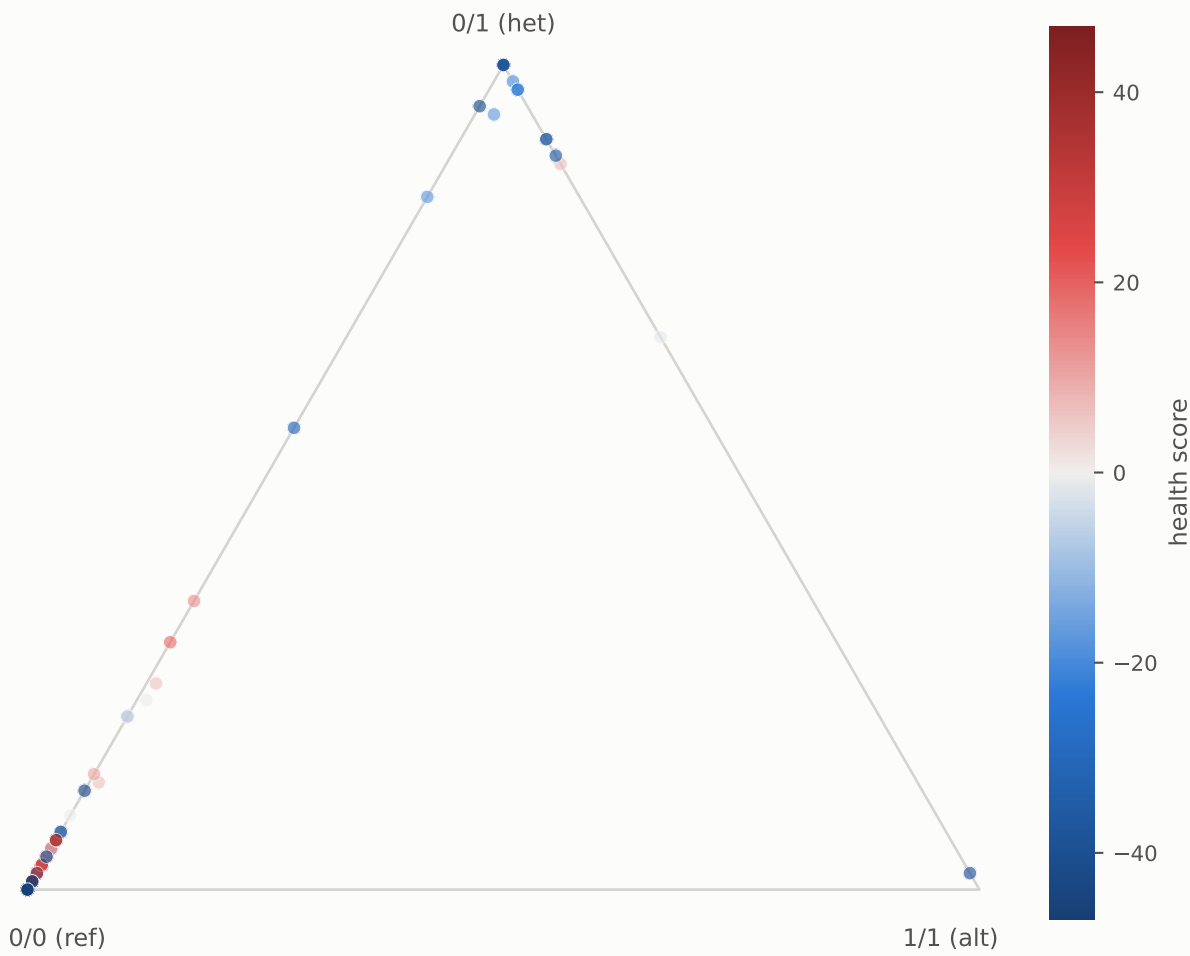
#151 by cluster health separation CHR_06:34,838,221 T>A
AF=0.054 DR2=0.97 r=-0.170 H=0.006 F=14.6



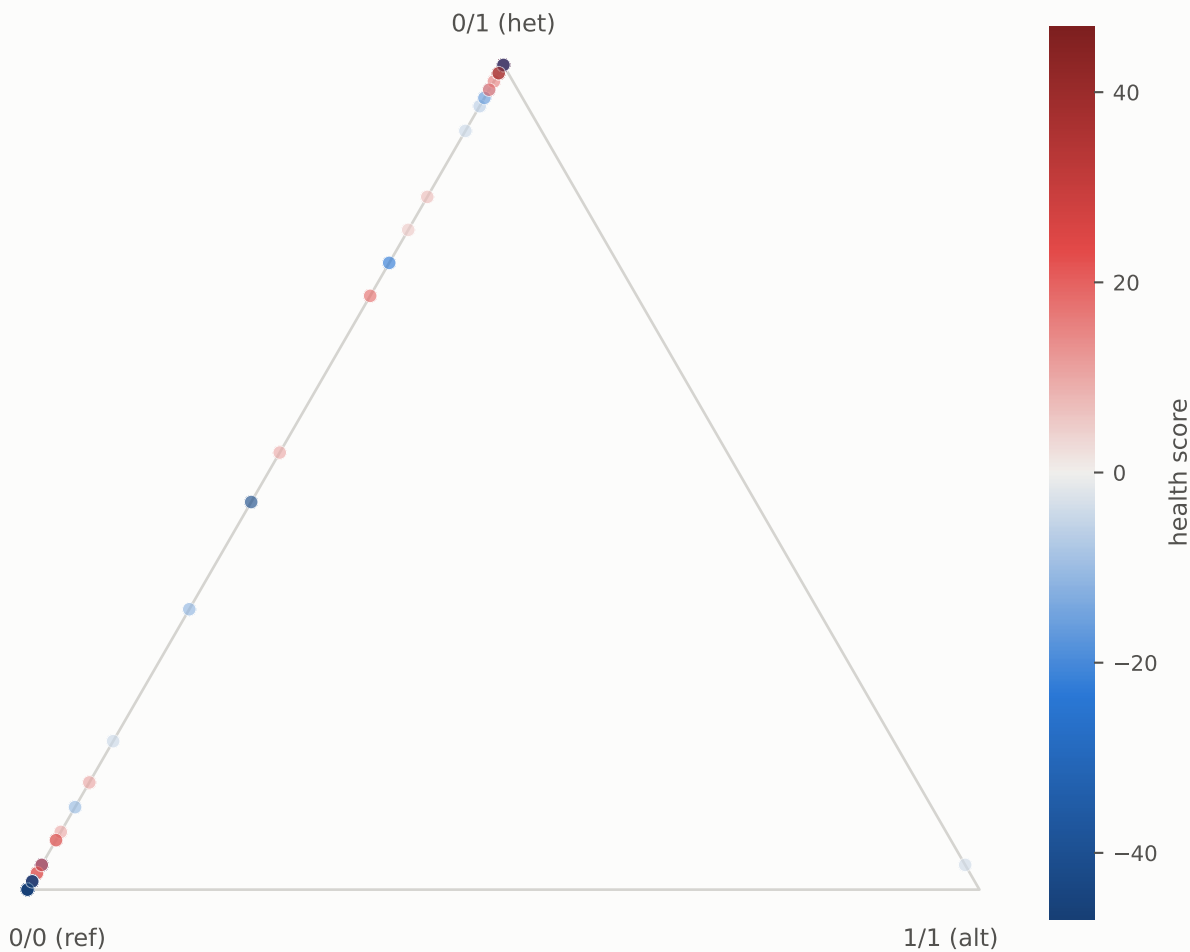
#152 by cluster health separation unpl-scaff_032:65,346 G>A
AF=0.039 DR2=0.88 r=+0.174 H=0.039 F=14.6



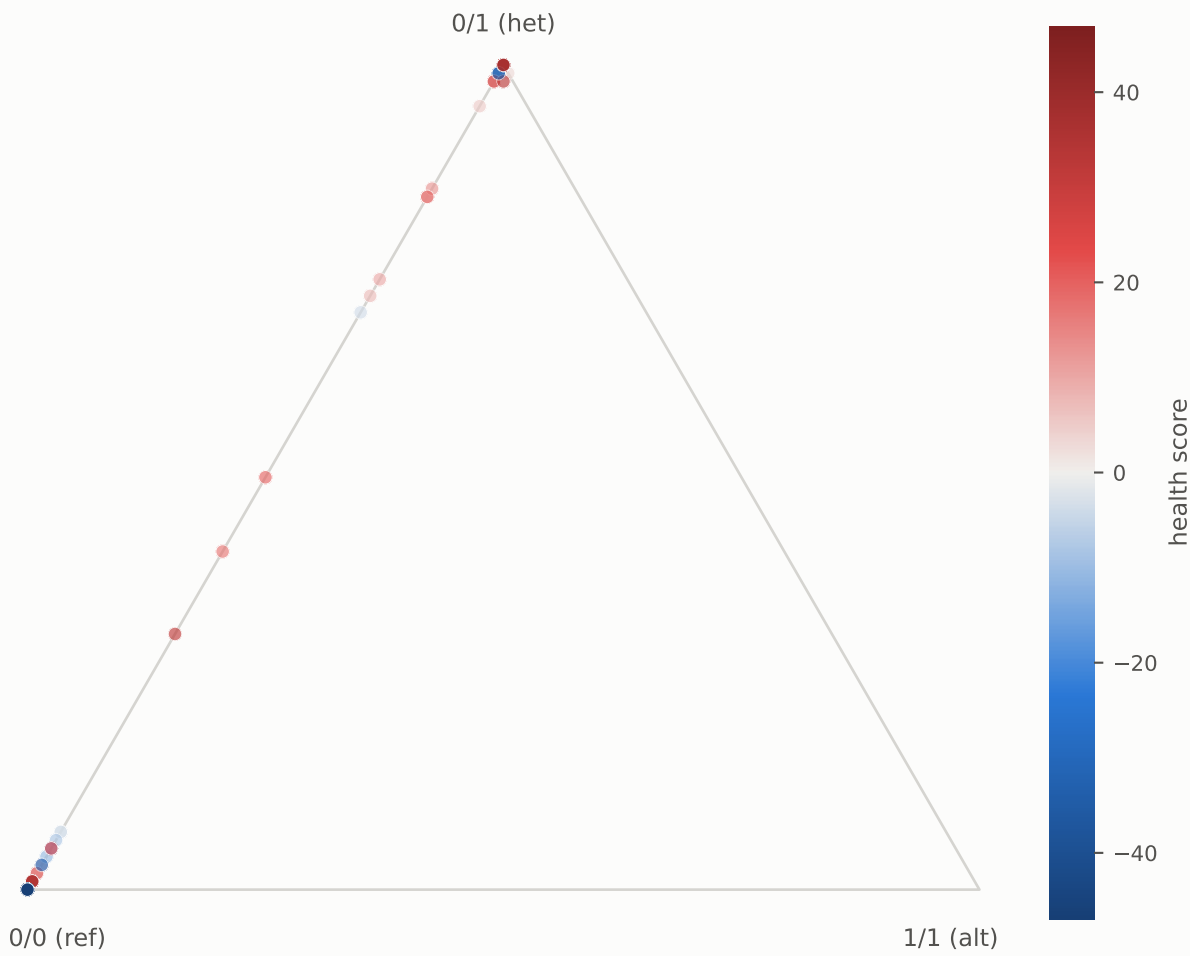
#153 by cluster health separation CHR_03:38,674,214 C>T
AF=0.041 DR2=0.85 r=-0.189 H=0.040 F=14.6



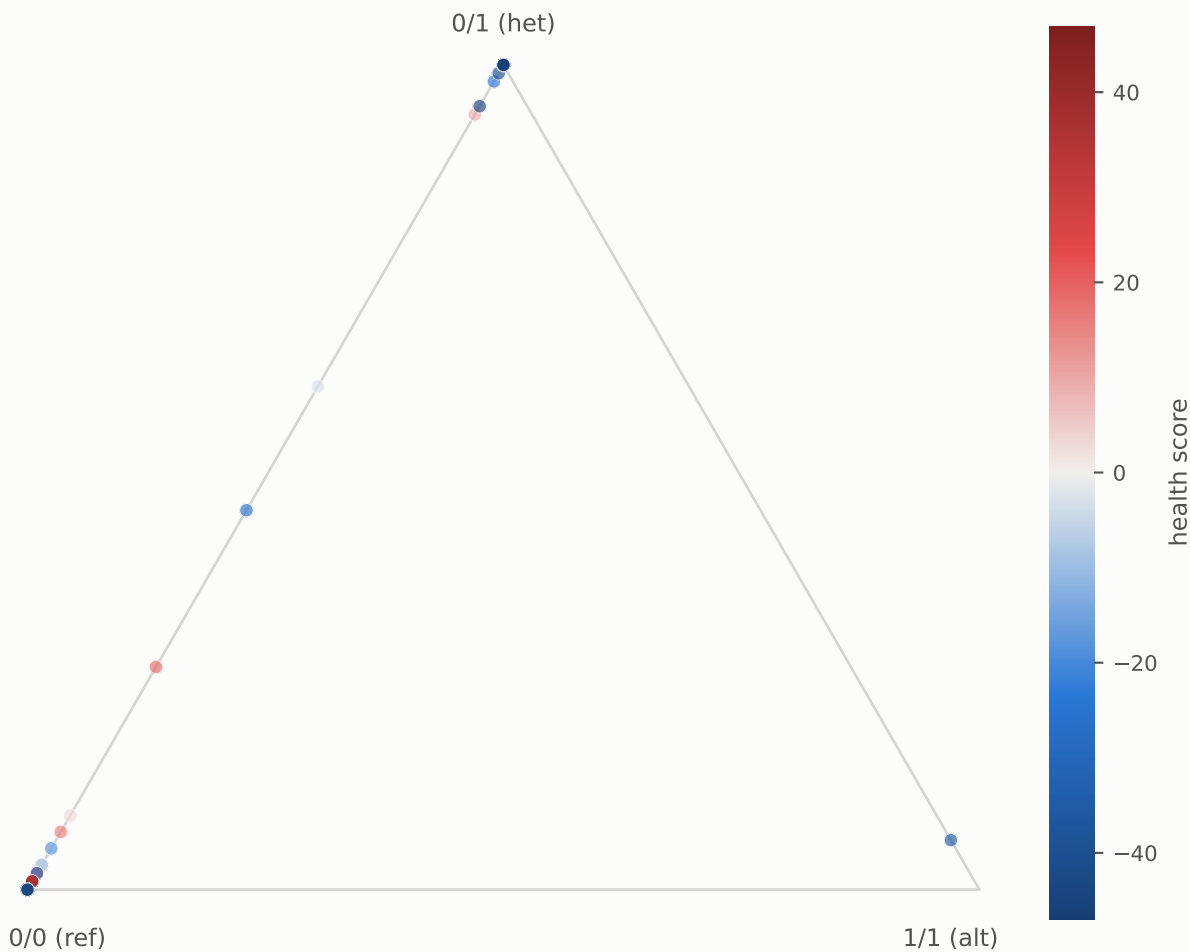
#154 by cluster health separation CHR_15:5,315,820 C>T
AF=0.08 DR2=0.95 r=+0.165 H=0.021 F=14.6



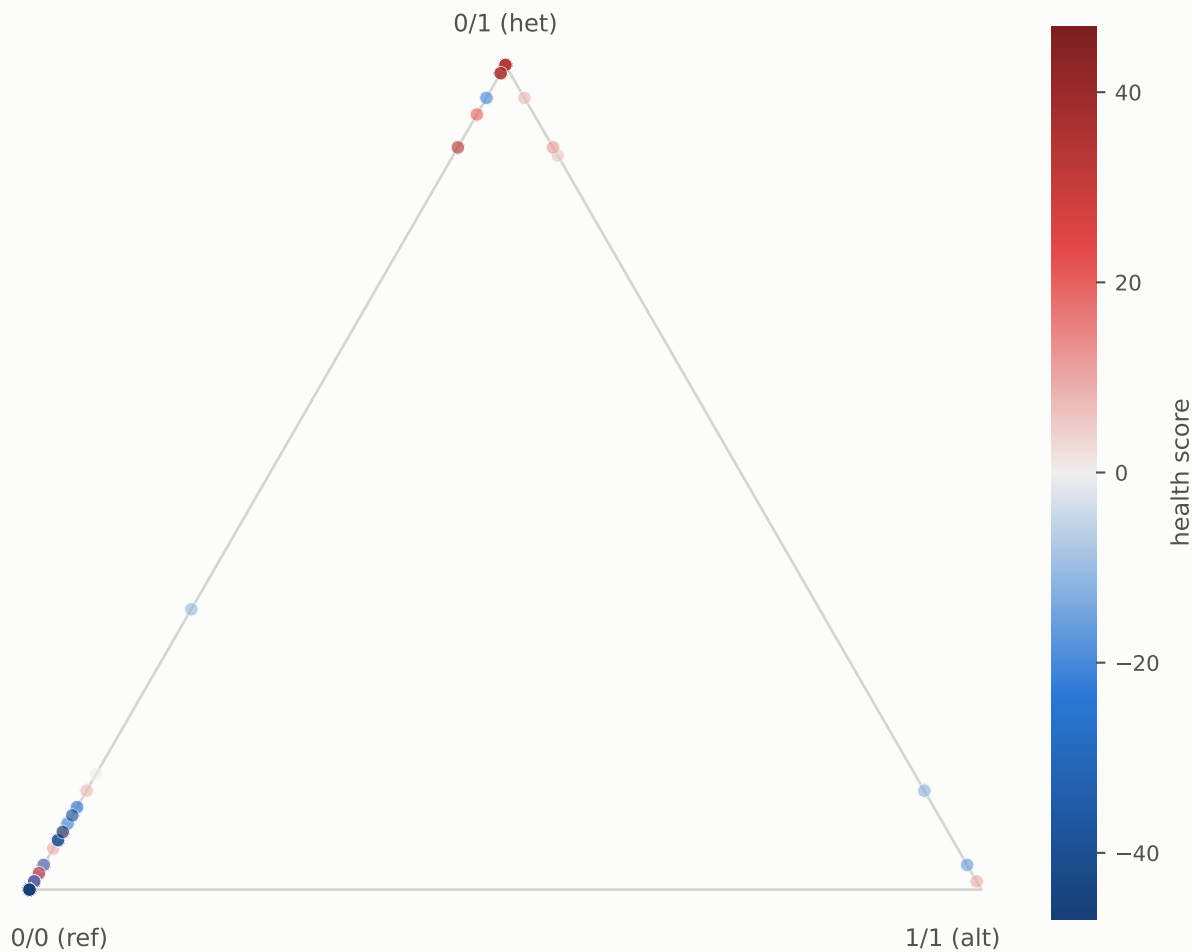
#155 by cluster health separation CHR_15:30,387,927 C>T
AF=0.047 DR2=0.94 r=+0.190 H=0.021 F=14.6



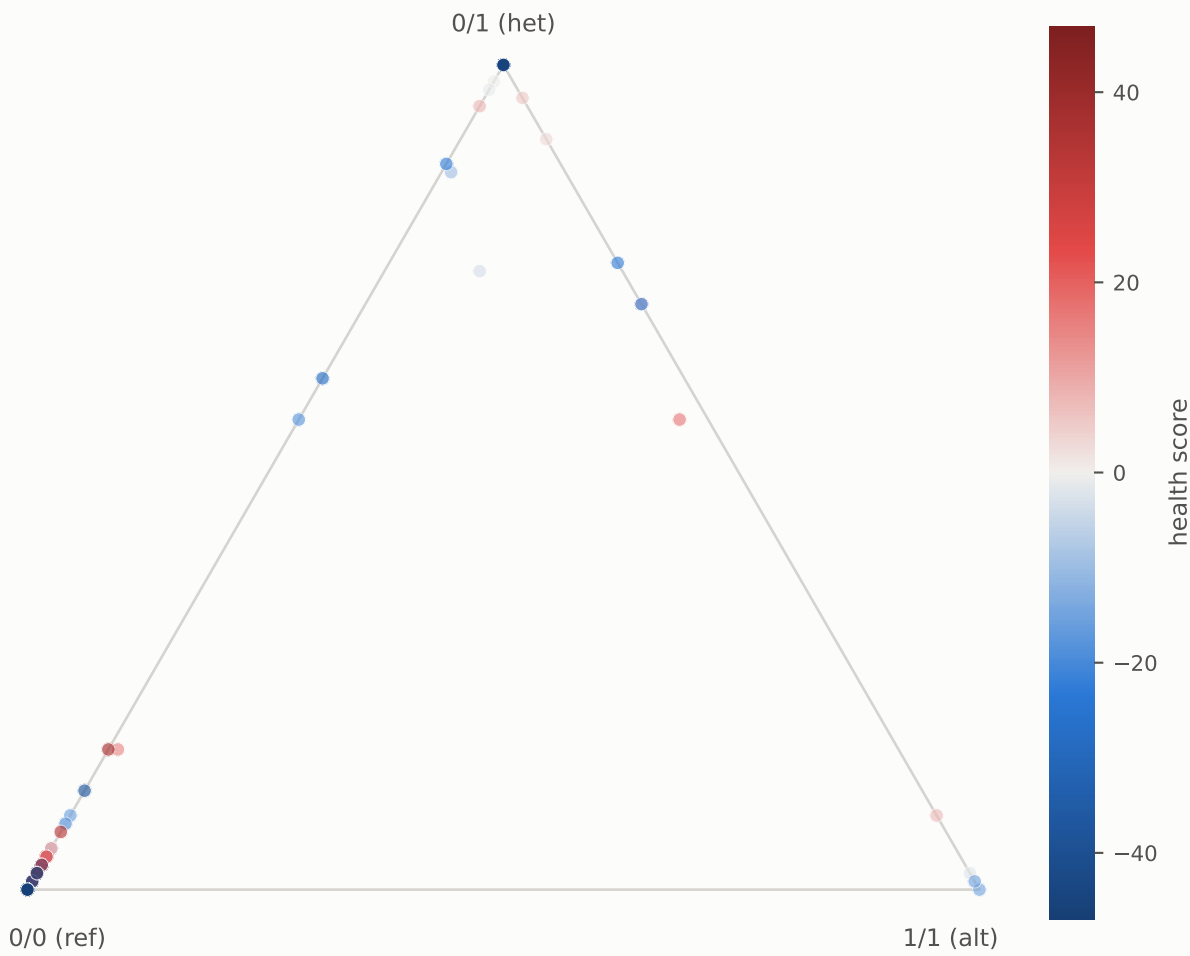
#156 by cluster health separation CHR_14:23,387,181 G>A
AF=0.049 DR2=0.97 r=-0.199 H=0.012 F=14.6



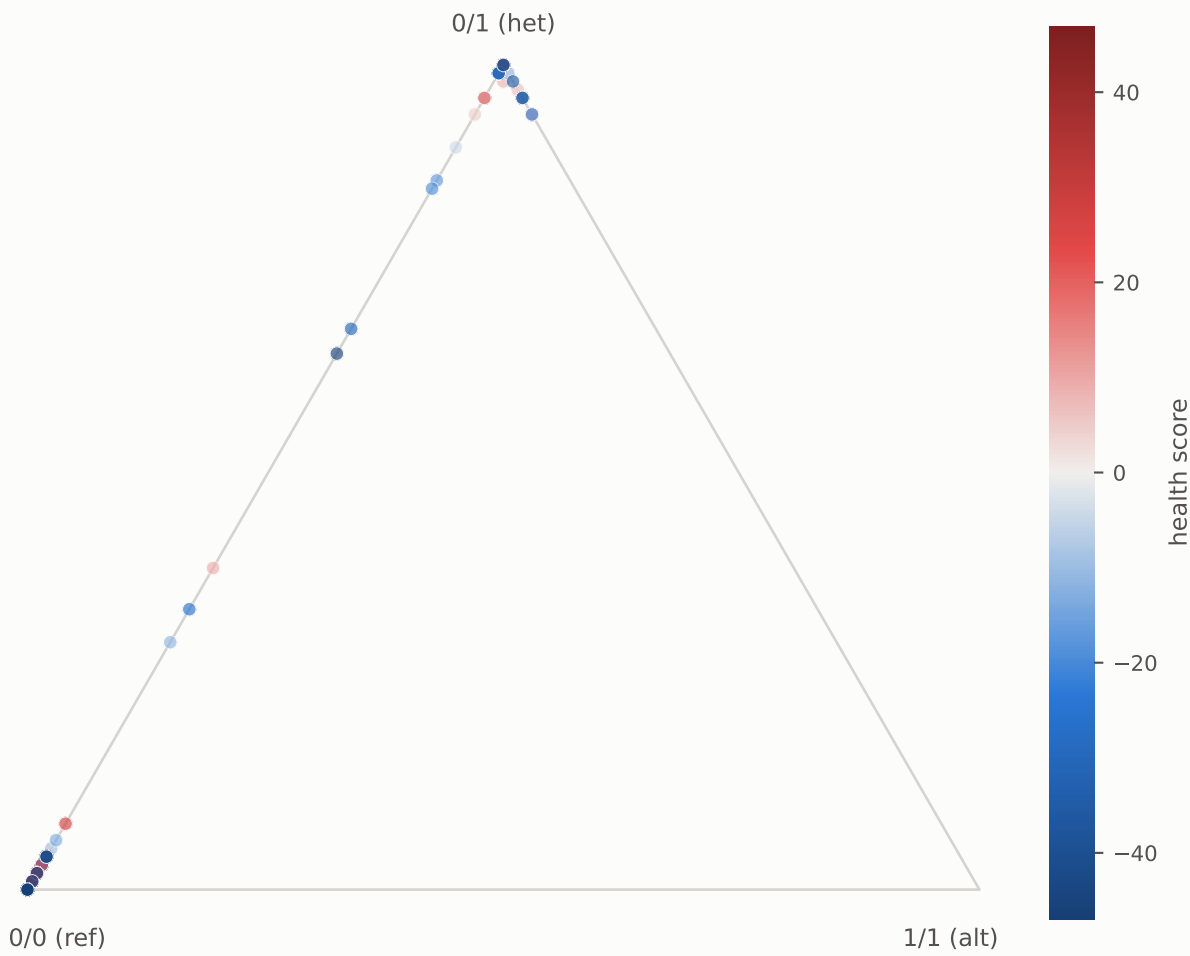
#157 by cluster health separation CHR_12:15,166,436 T>G
AF=0.036 DR2=0.93 r=+0.122 H=0.019 F=14.6



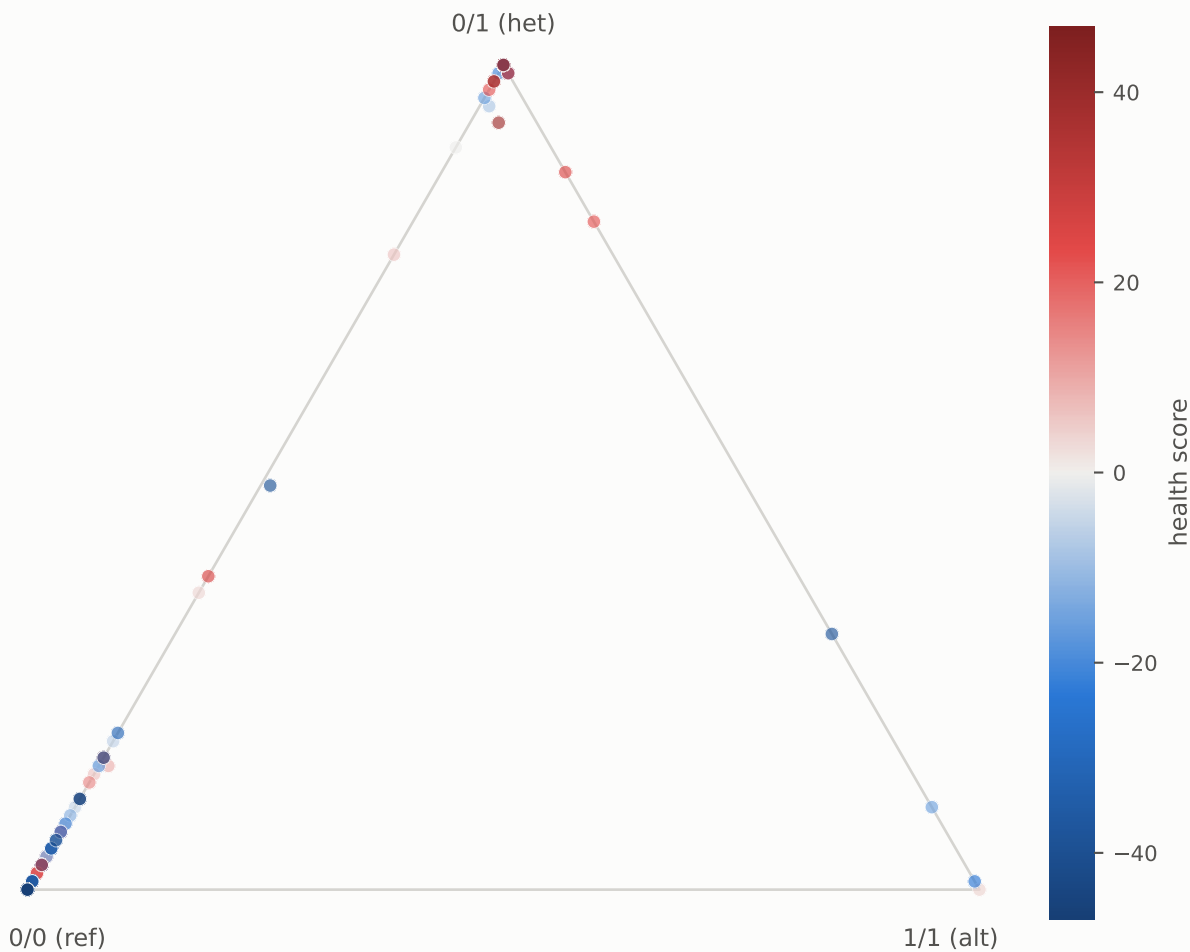
#158 by cluster health separation CHR_16:29,466,956 C>A
AF=0.059 DR2=0.92 r=-0.162 H=0.034 F=14.5



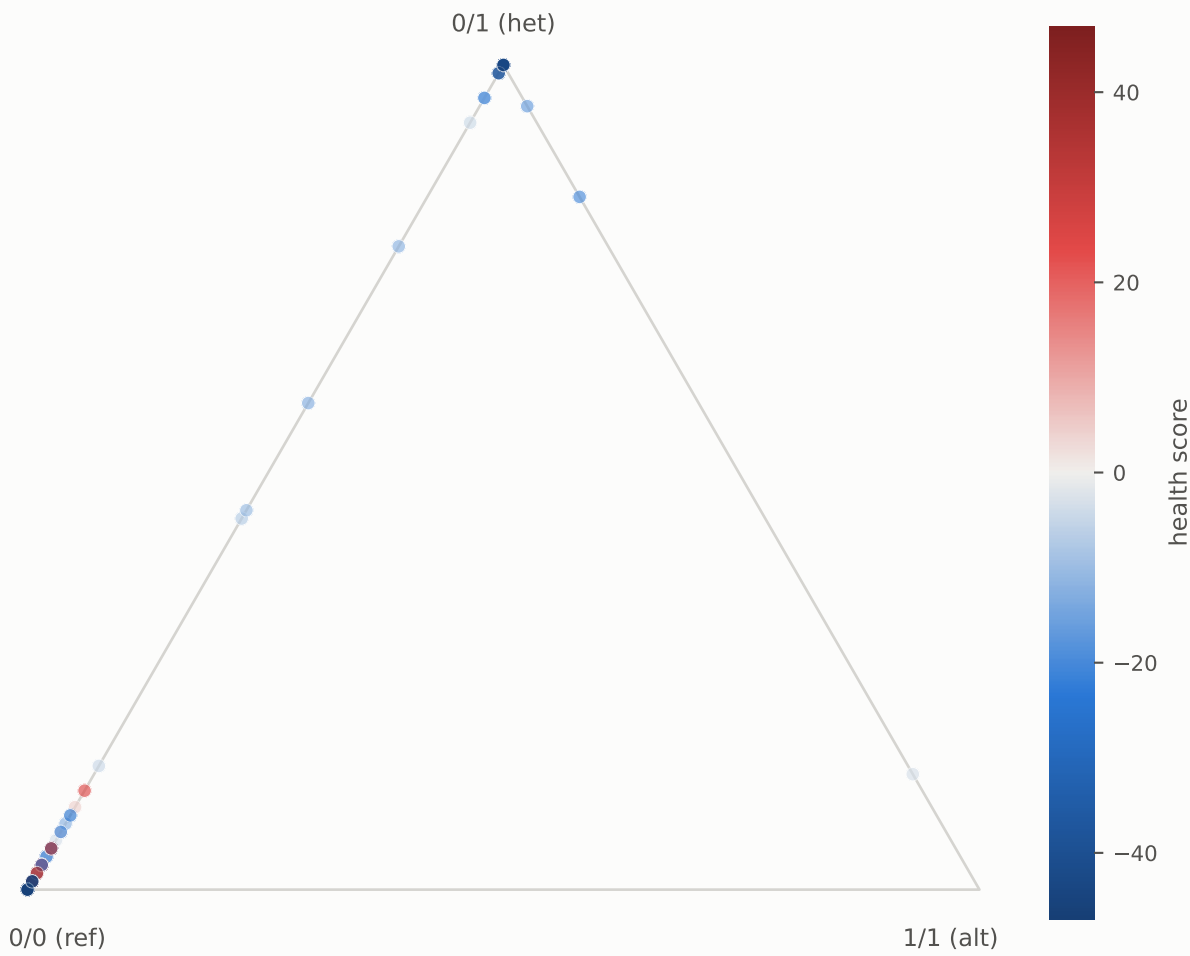
#159 by cluster health separation CHR_08:9,322,322 T>C
AF=0.041 DR2=0.85 r=-0.171 H=0.045 F=14.5



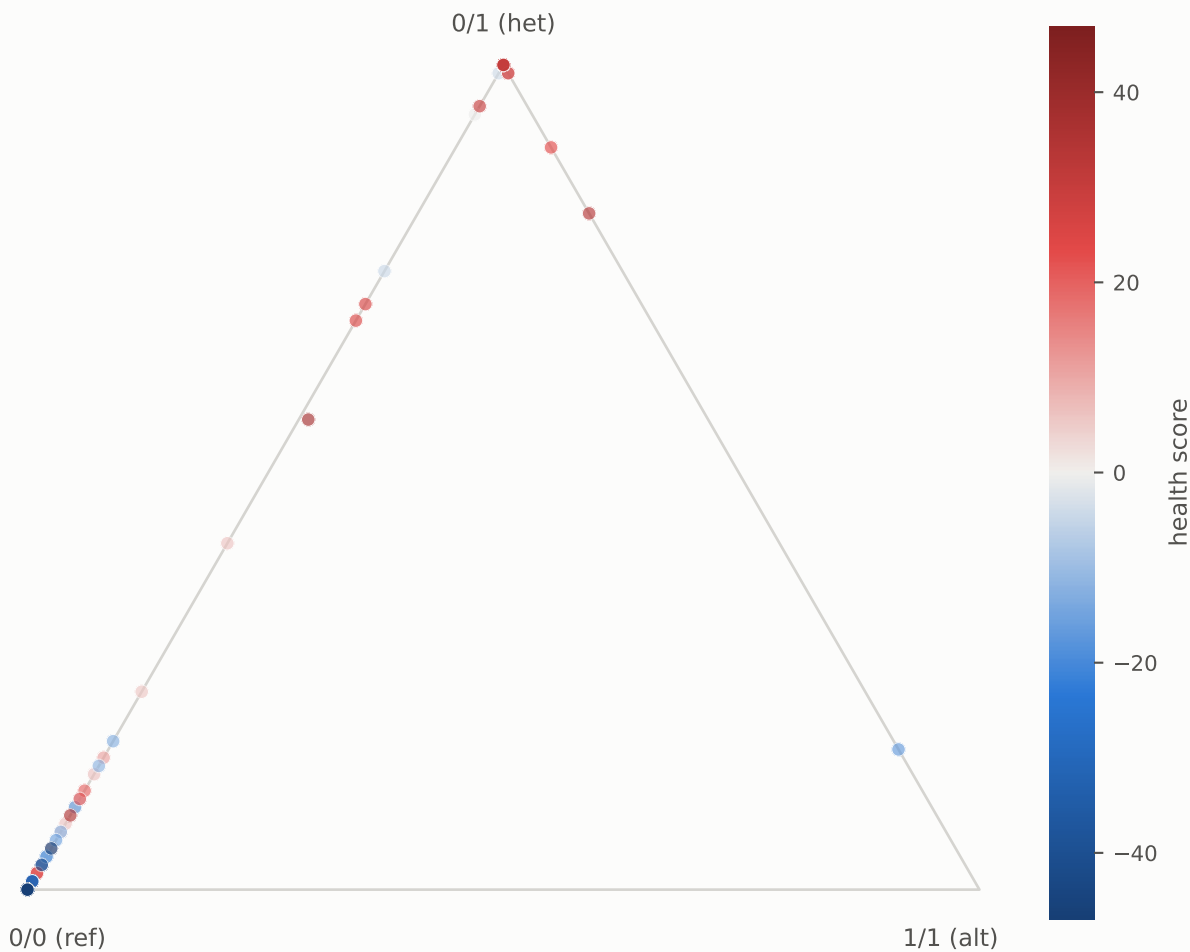
#160 by cluster health separation CHR_20:2,723,807 G>A
AF=0.13 DR2=0.94 r=+0.129 H=0.045 F=14.5



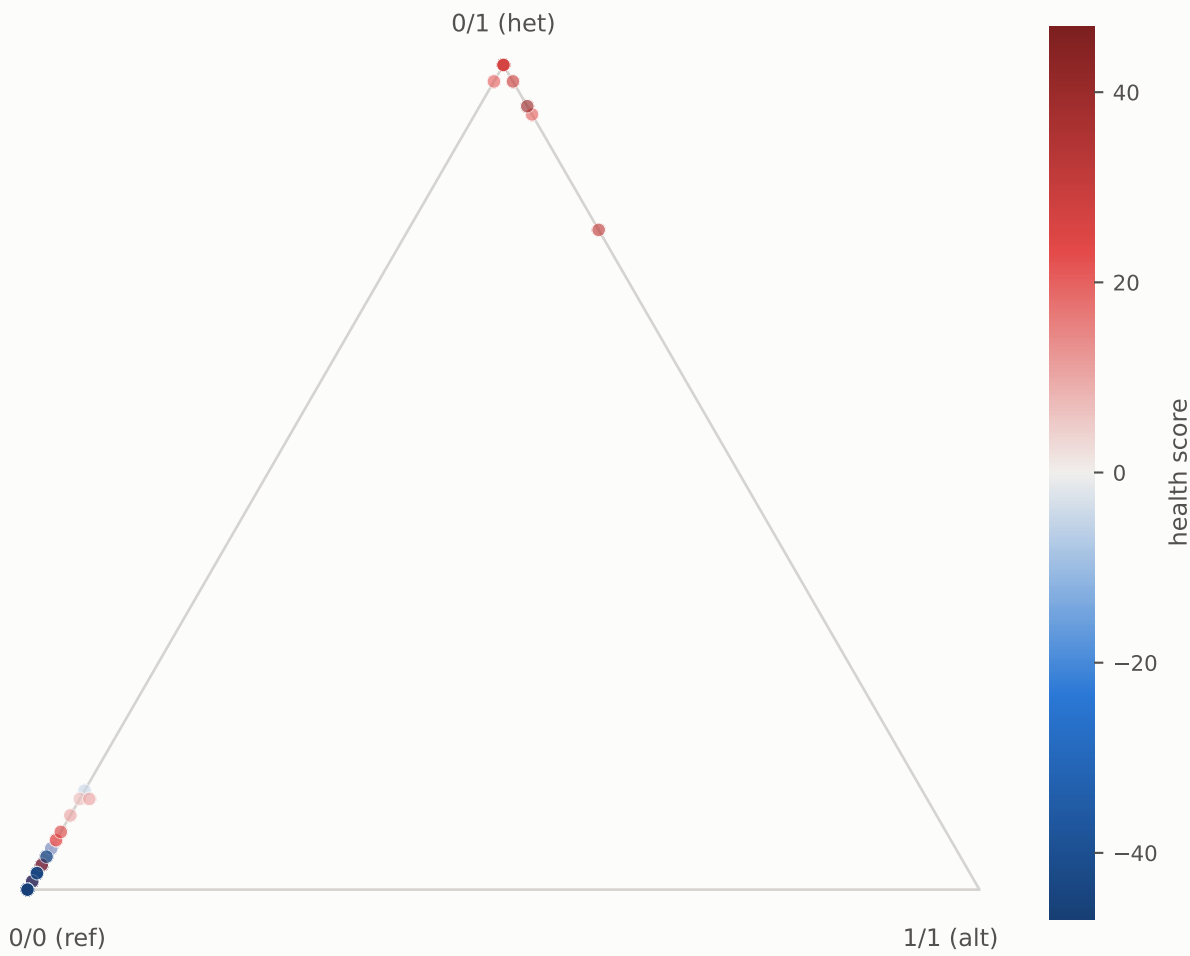
#161 by cluster health separation CHR_10:7,967,609 A>C
AF=0.036 DR2=0.91 r=-0.175 H=0.026 F=14.5



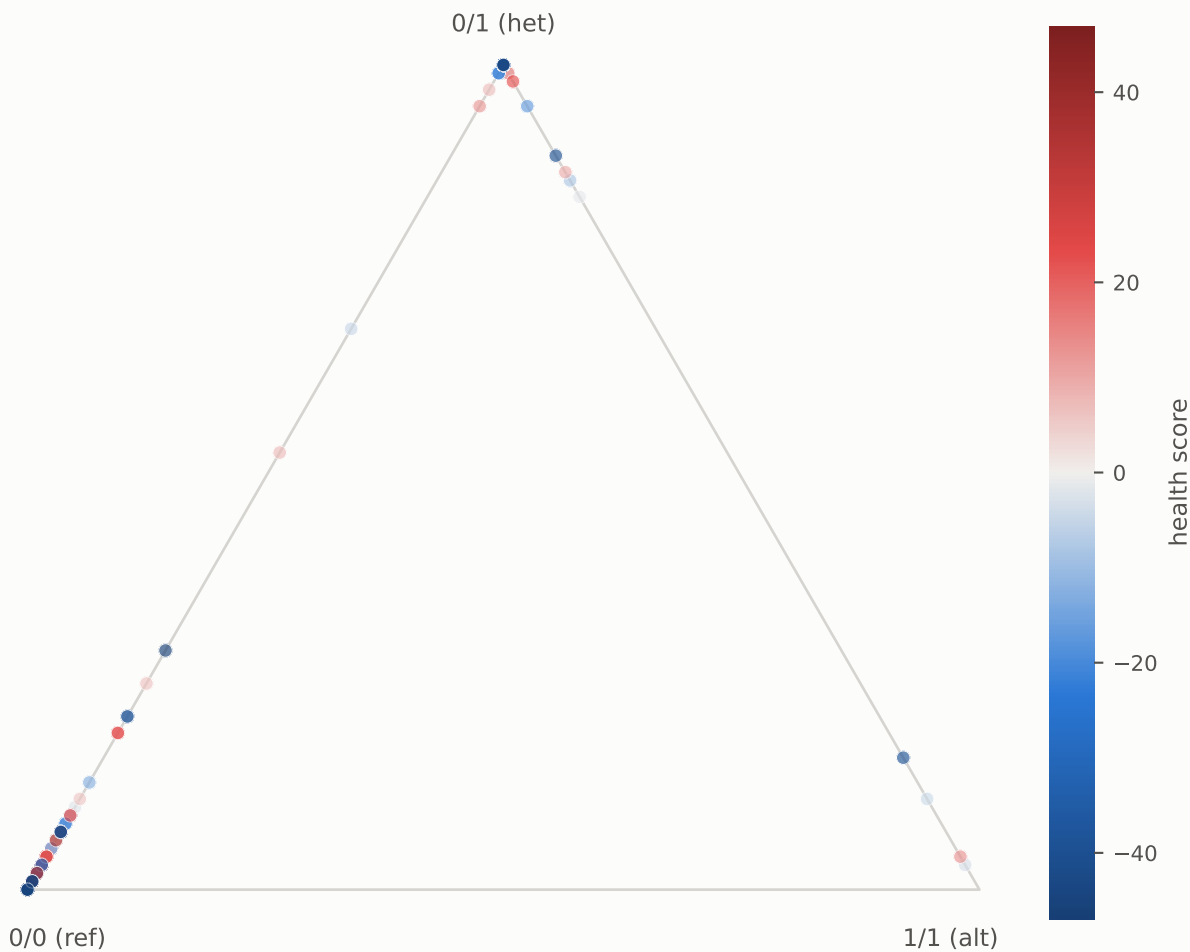
#162 by cluster health separation CHR_10:22,997,147 C>T
AF=0.048 DR2=0.9 r=+0.153 H=0.032 F=14.5



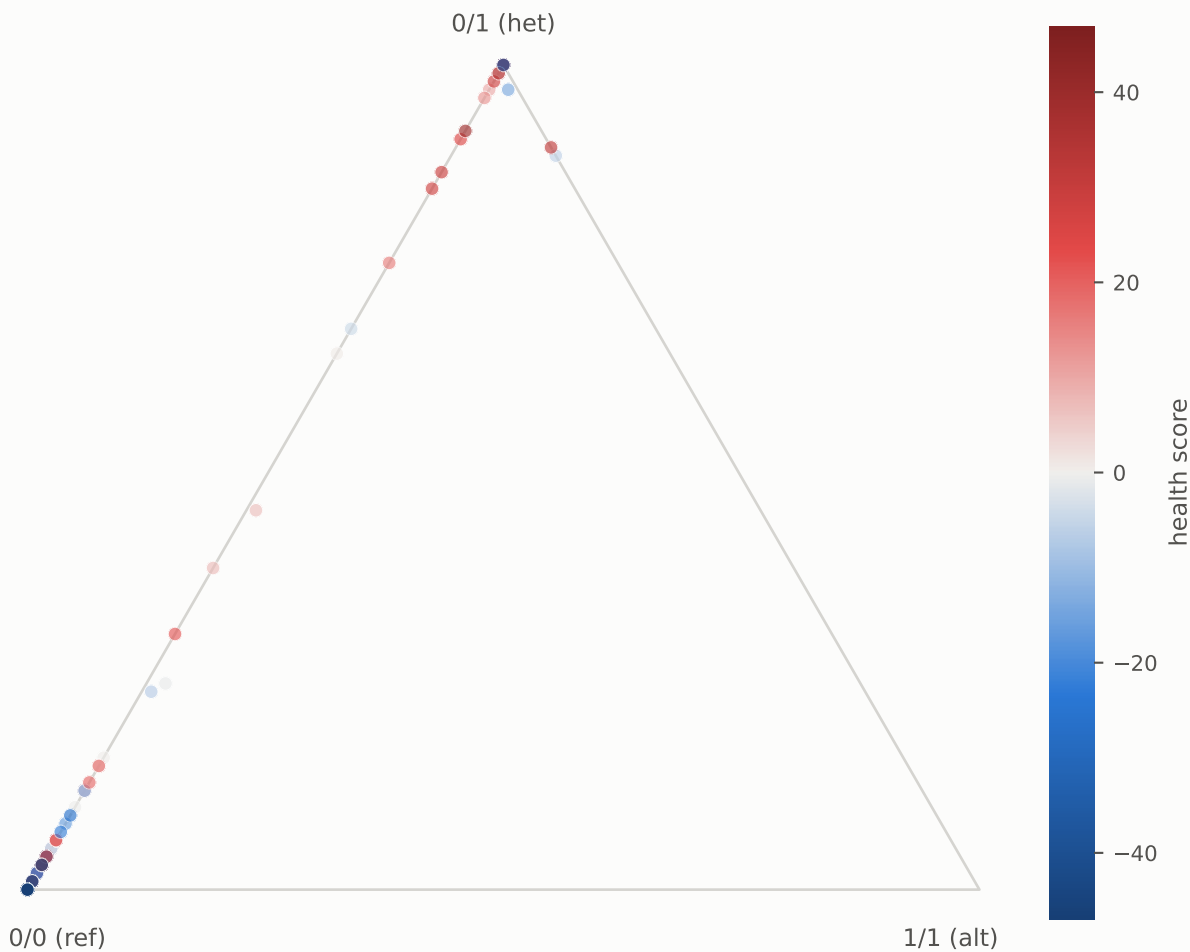
#163 by cluster health separation CHR_02:33,619,600 A>G
AF=0.03 DR2=0.89 r=+0.184 H=0.024 F=14.5



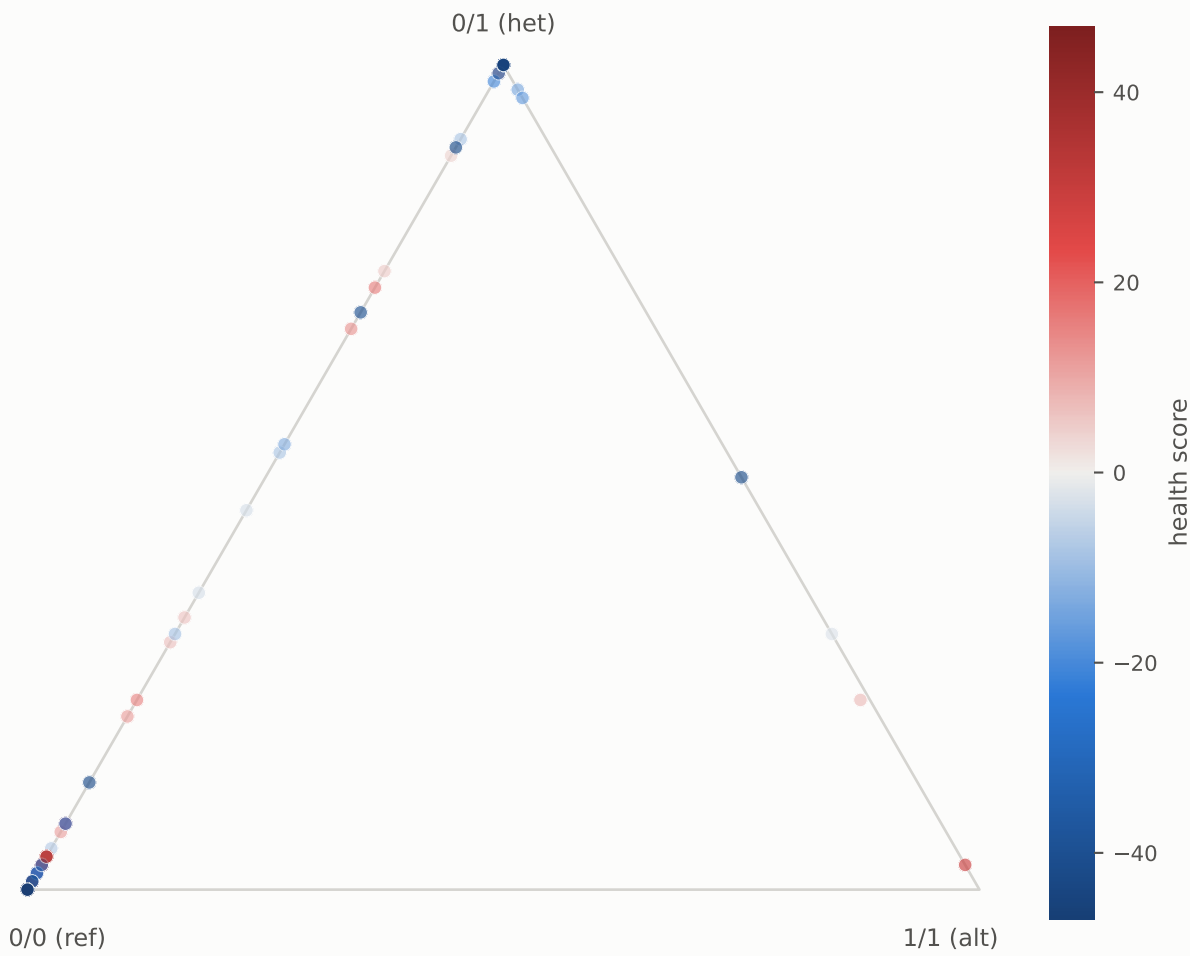
#164 by cluster health separation CHR_03:6,252,287 A>G
AF=0.066 DR2=0.89 r=-0.185 H=0.046 F=14.5



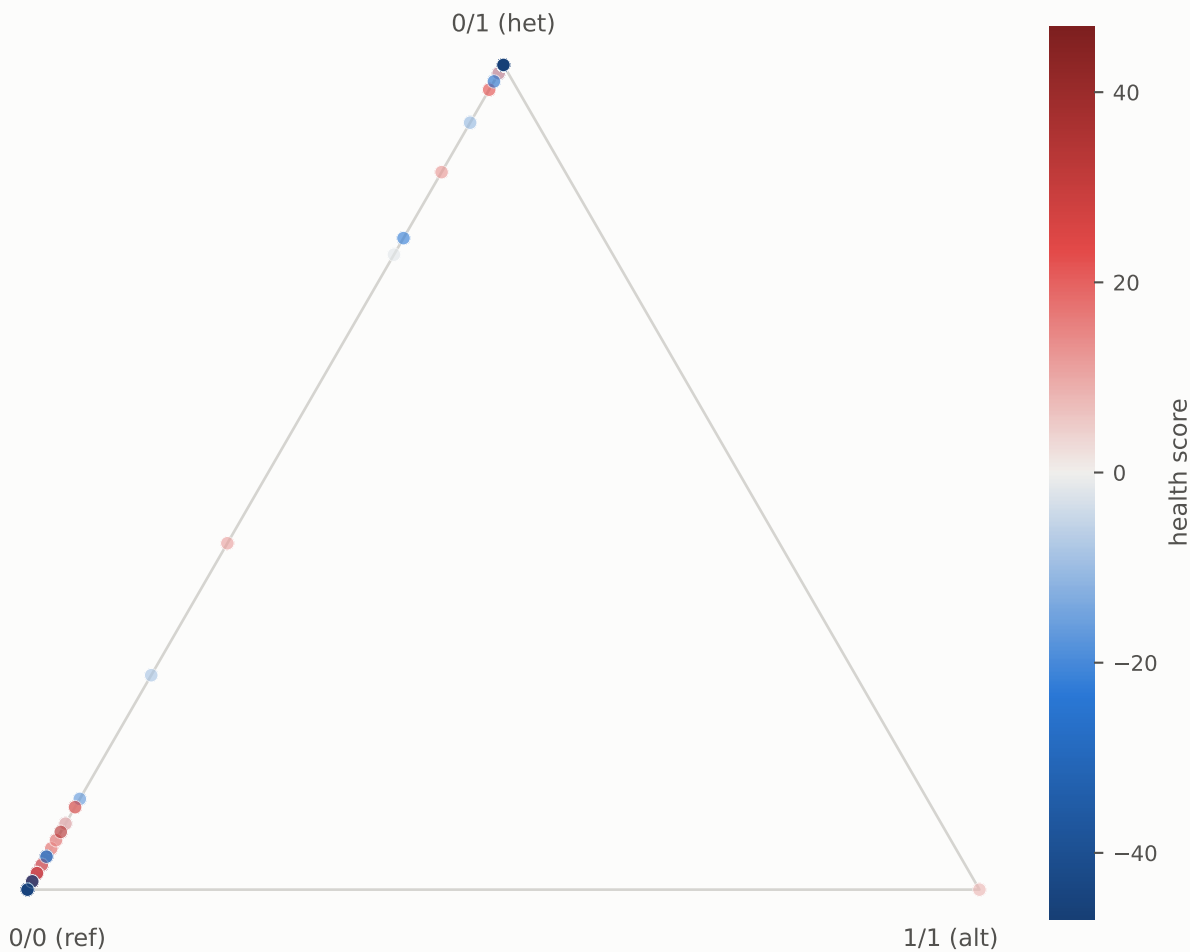
#165 by cluster health separation CHR_22:12,106,585 G>T
AF=0.053 DR2=0.9 r=+0.181 H=0.043 F=14.5



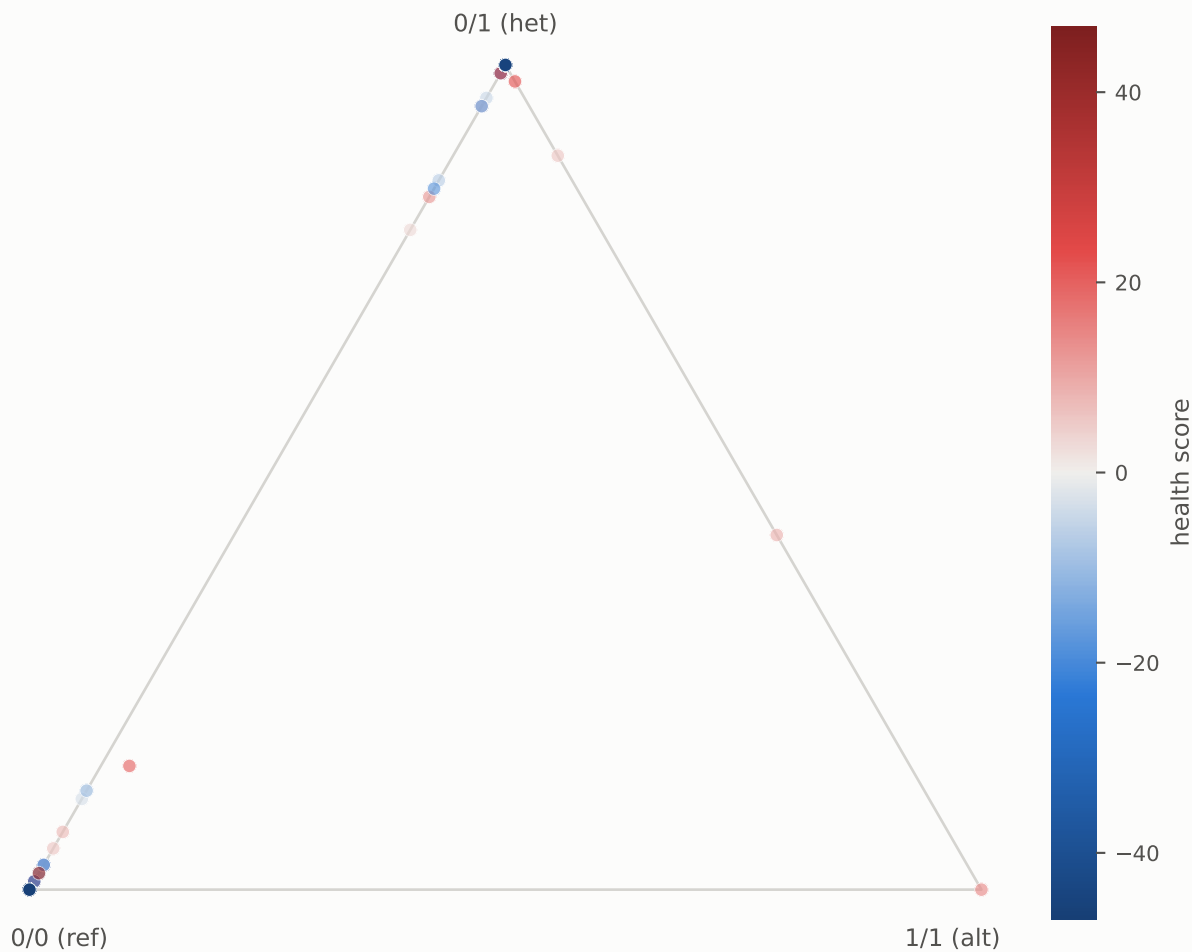
#166 by cluster health separation CHR_08:382,451 G>A
AF=0.065 DR2=0.91 r=-0.145 H=0.036 F=14.5



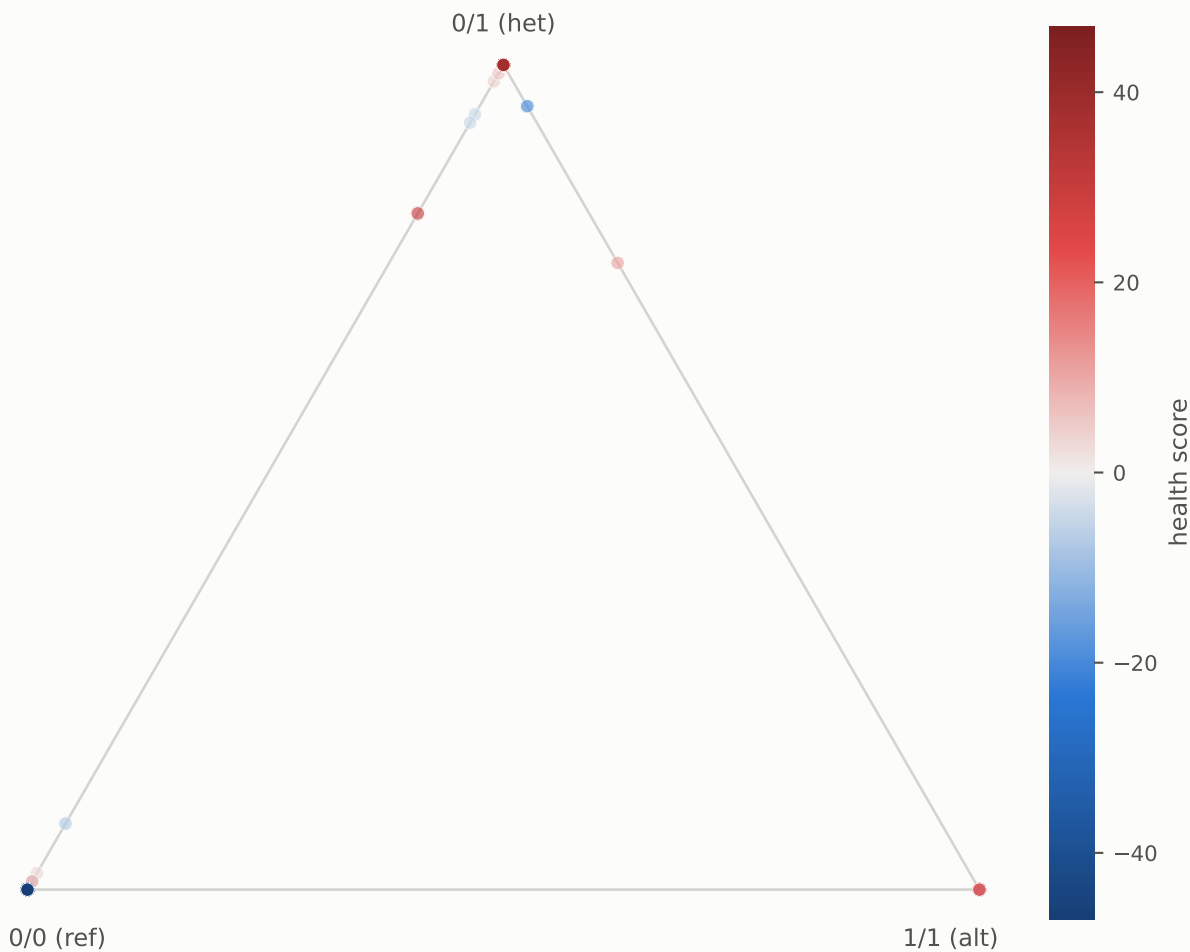
#167 by cluster health separation CHR_17:1,007,595 G>A
AF=0.068 DR2=0.95 r=-0.163 H=0.022 F=14.5



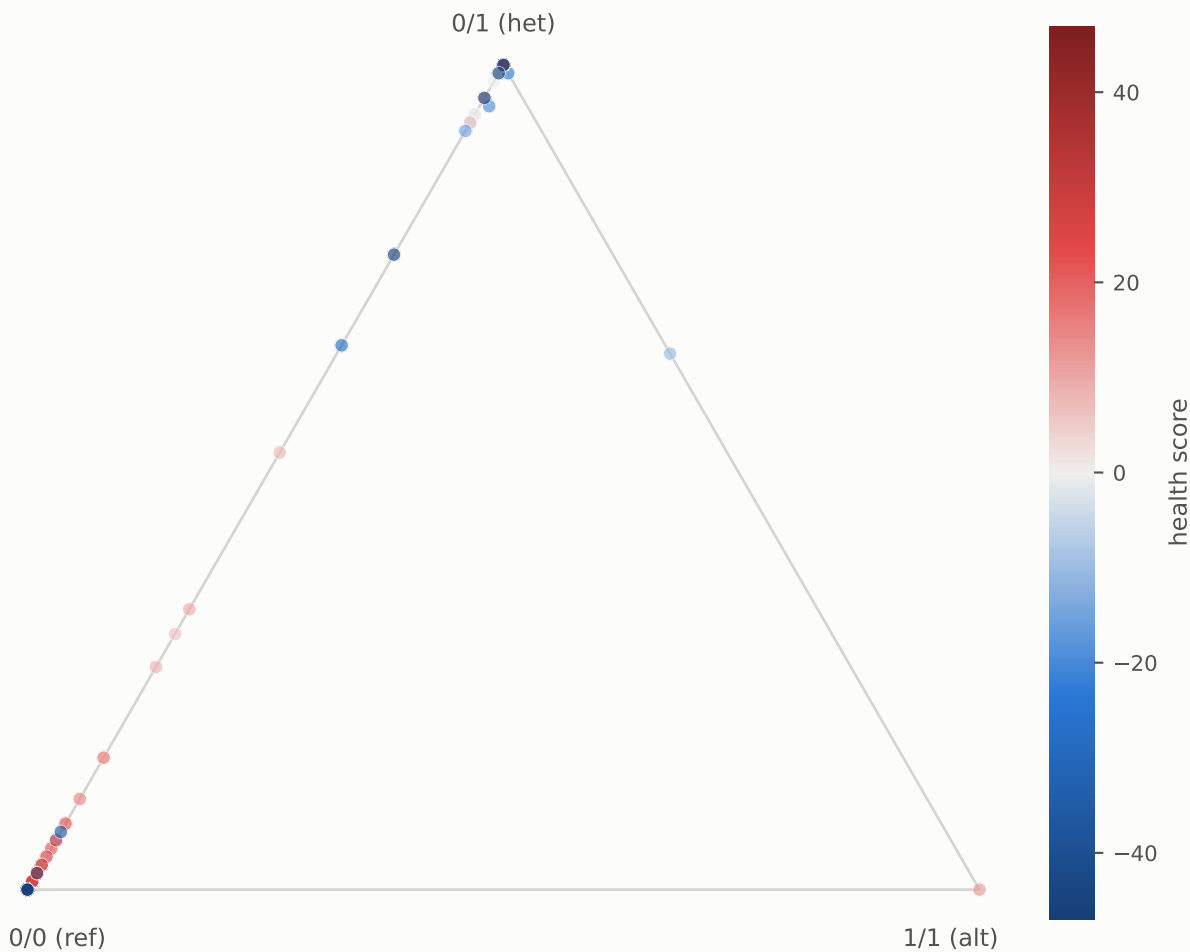
#168 by cluster health separation CHR_04:28,415,269 G>A
AF=0.077 DR2=0.96 r=-0.154 H=0.015 F=14.5



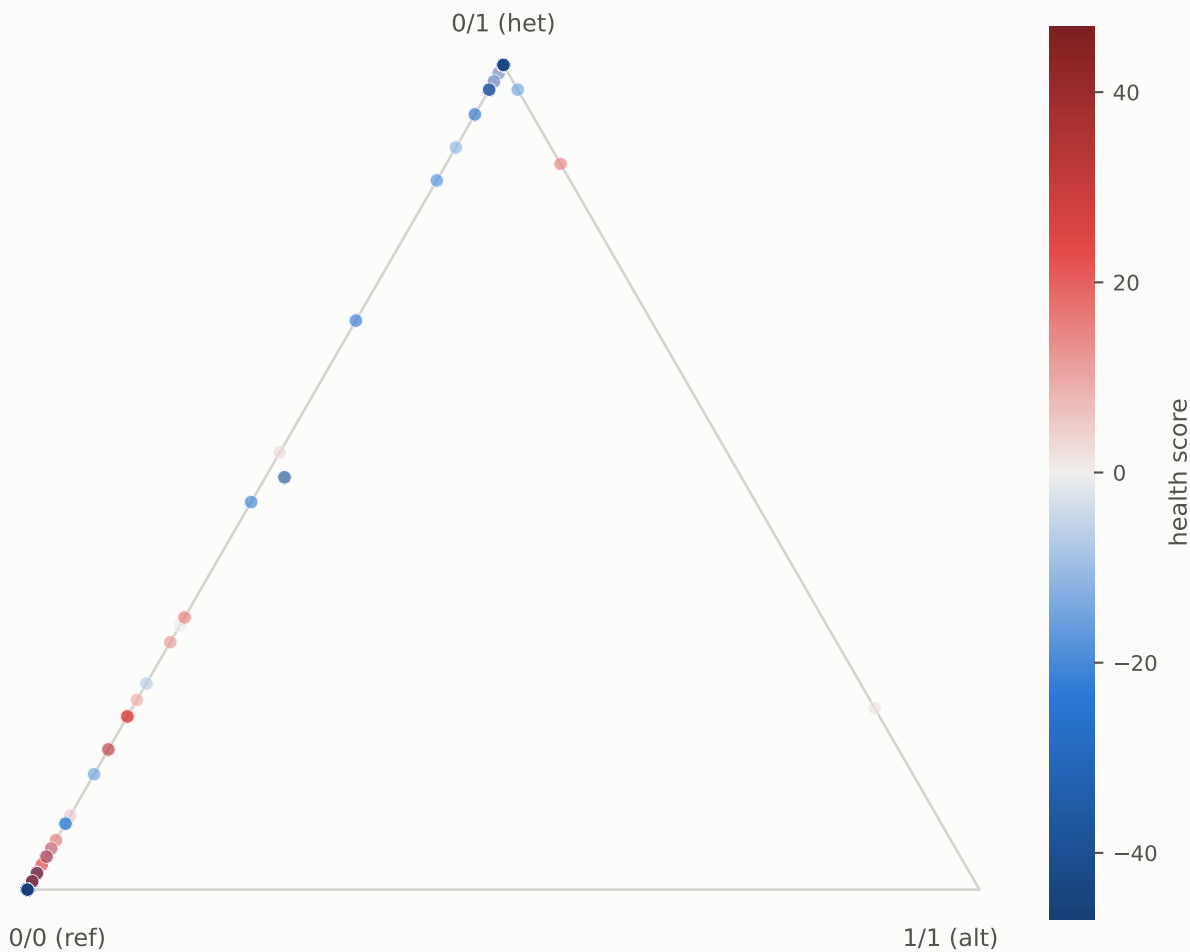
#169 by cluster health separation CHR_08:29,445,191 C>A
AF=0.058 DR2=0.98 r=+0.172 H=0.005 F=14.5



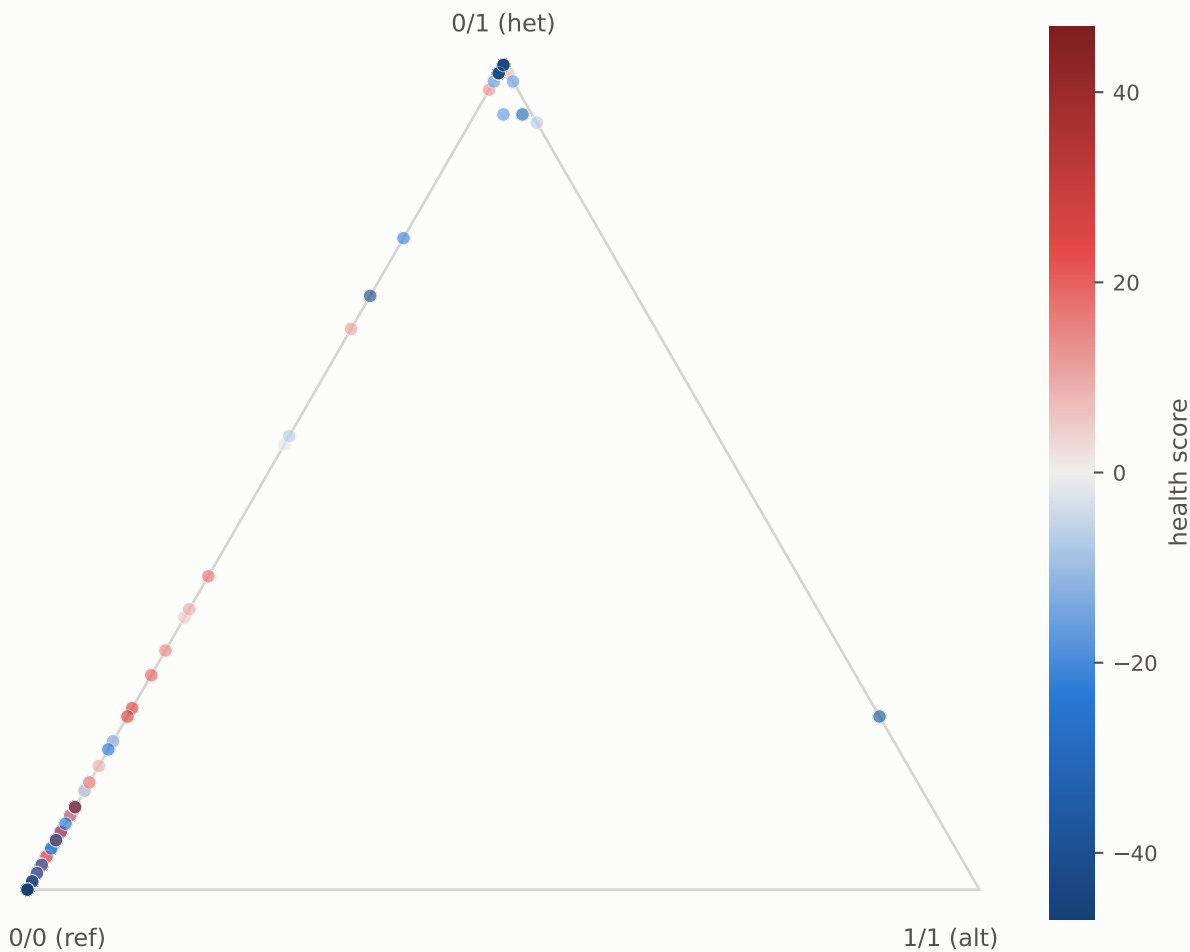
#170 by cluster health separation CHR_03:37,665,722 C>A
AF=0.066 DR2=0.94 r=-0.153 H=0.026 F=14.4



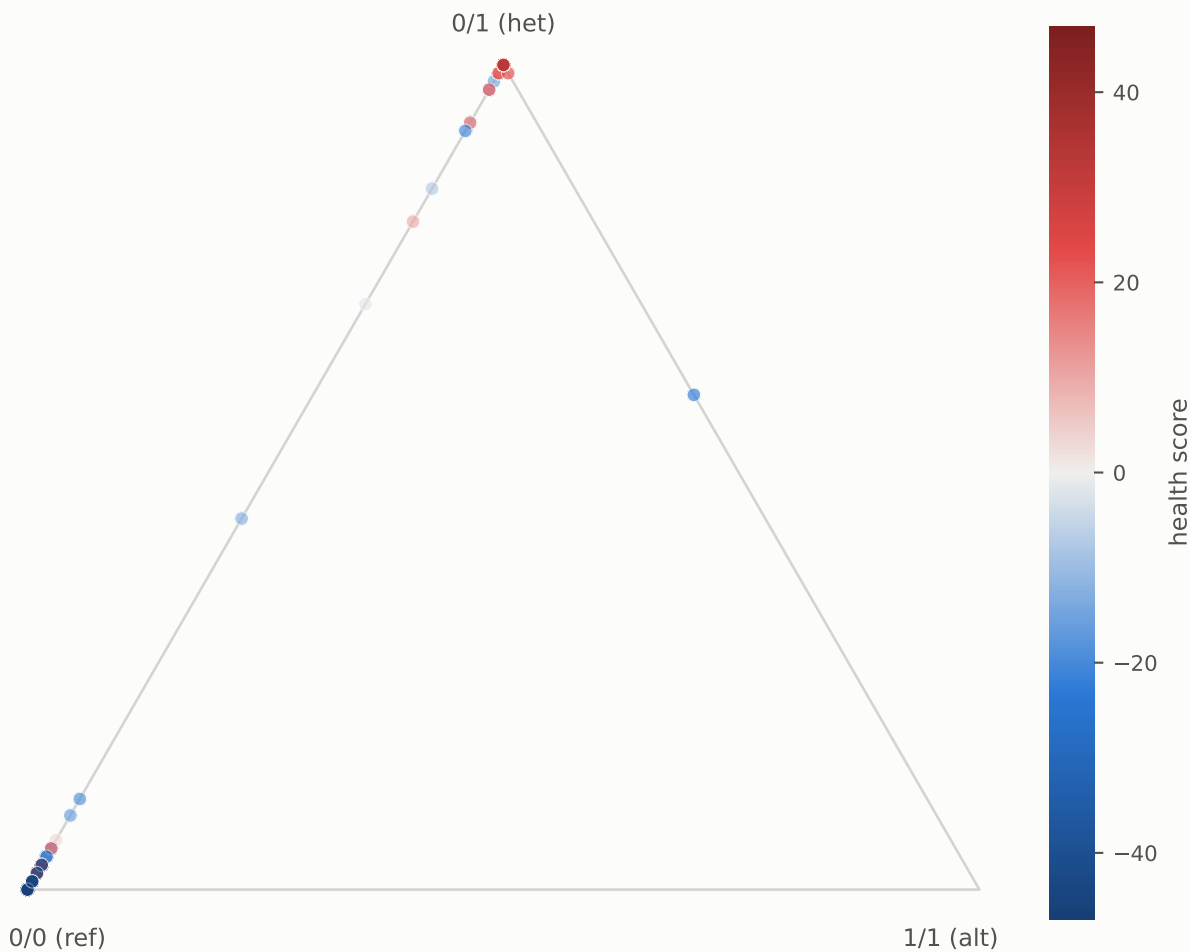
#171 by cluster health separation CHR_09:21,778,137 A>T
AF=0.058 DR2=0.9 r=-0.156 H=0.037 F=14.4



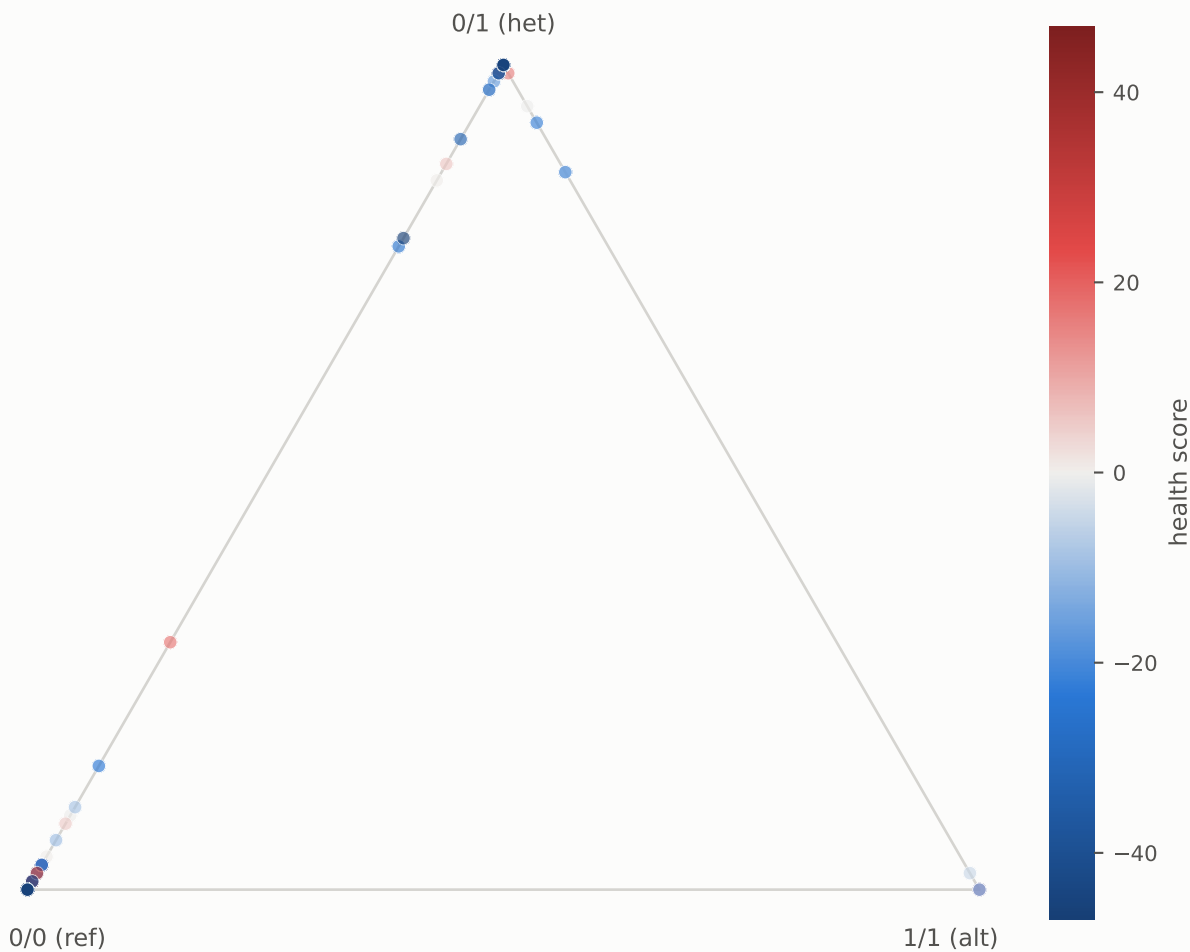
#172 by cluster health separation CHR_03:33,950,864 C>A
AF=0.045 DR2=0.82 r=-0.183 H=0.056 F=14.4



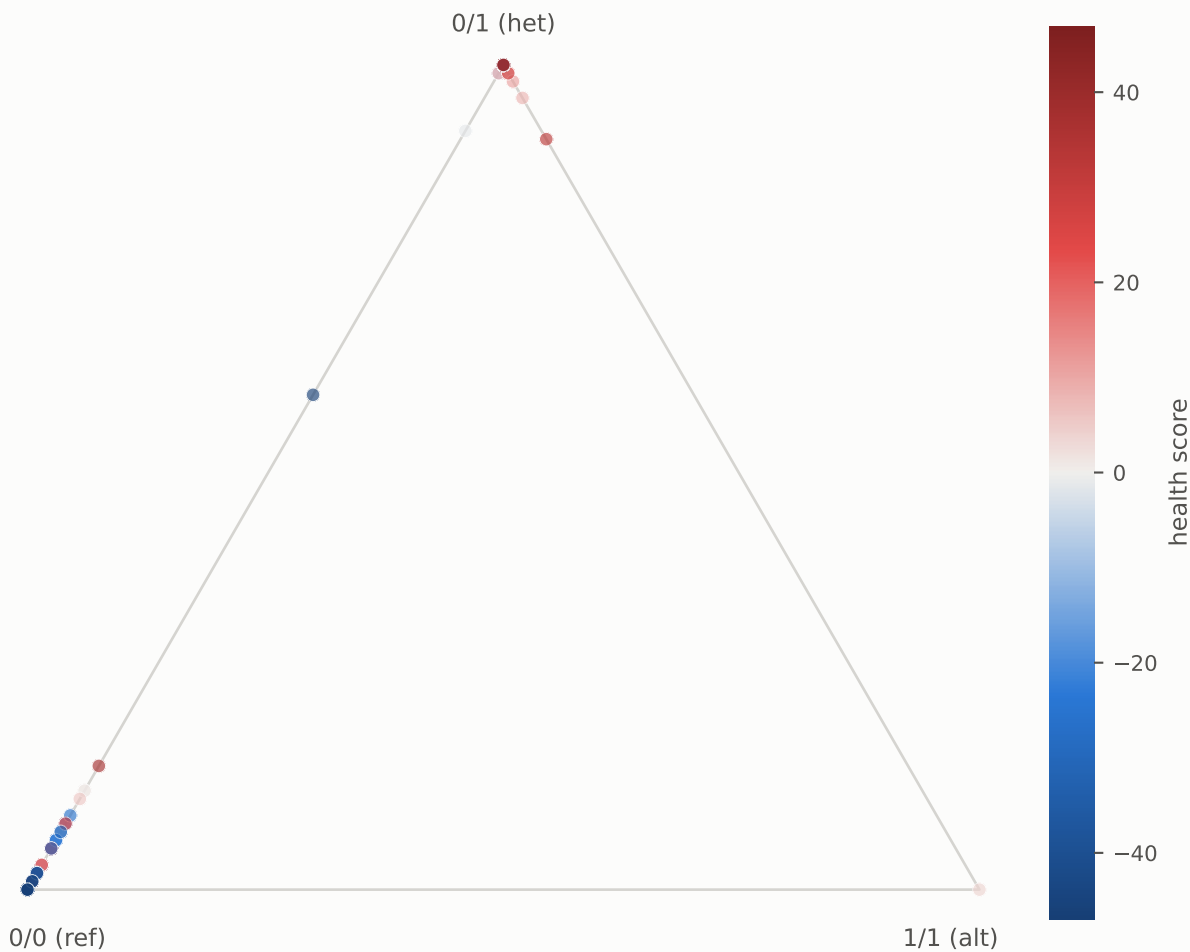
#173 by cluster health separation unpl-scaff_052:27,632 G>T
AF=0.06 DR2=0.92 r=+0.170 H=0.034 F=14.4



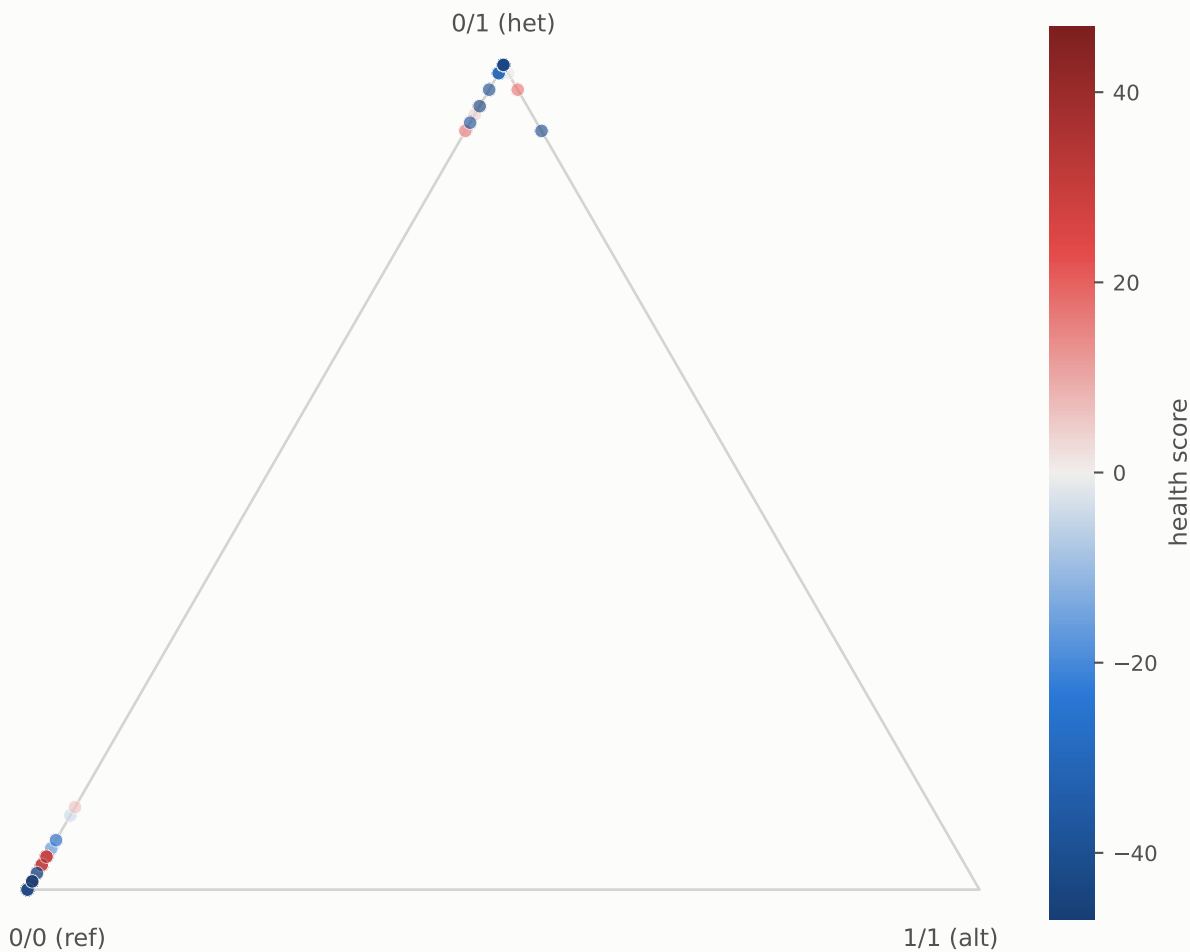
#174 by cluster health separation CHR_04:28,199,852 G>A
AF=0.076 DR2=0.96 r=-0.161 H=0.019 F=14.4



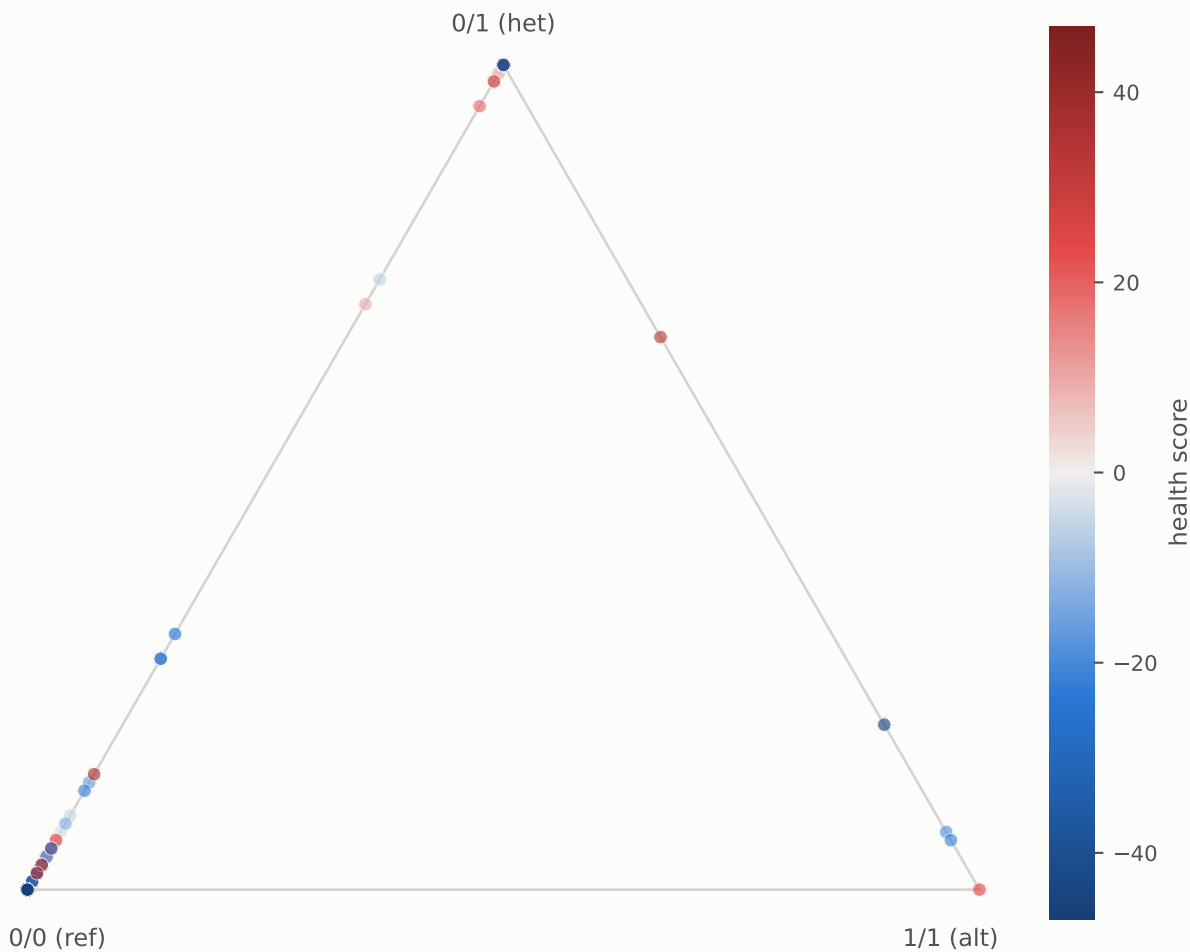
#175 by cluster health separation CHR_14:16,972,070 T>G
AF=0.074 DR2=0.94 $r=+0.182$ $H=0.025$ $F=14.4$



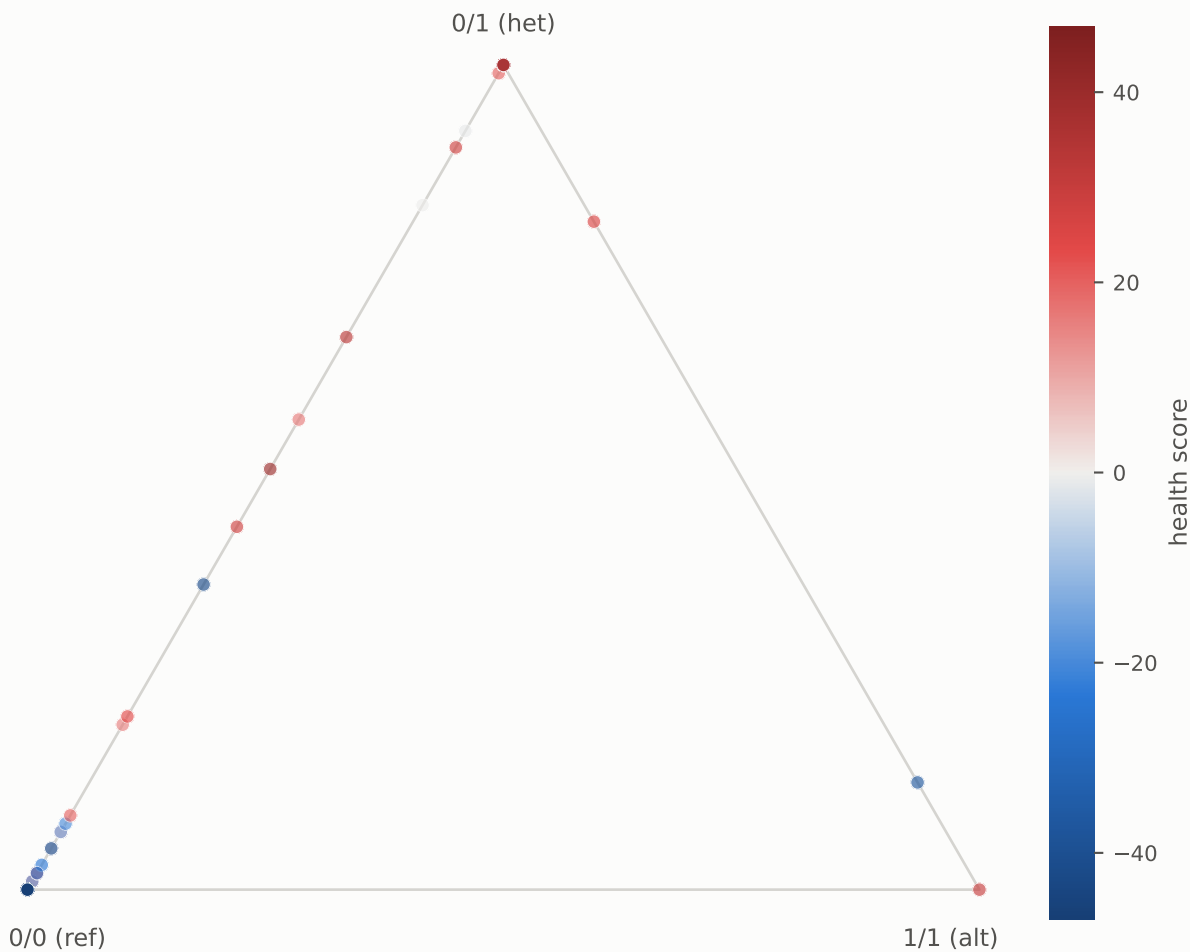
#176 by cluster health separation CHR_03:22,886,425 C>A
AF=0.062 DR2=0.96 r=-0.176 H=0.016 F=14.4



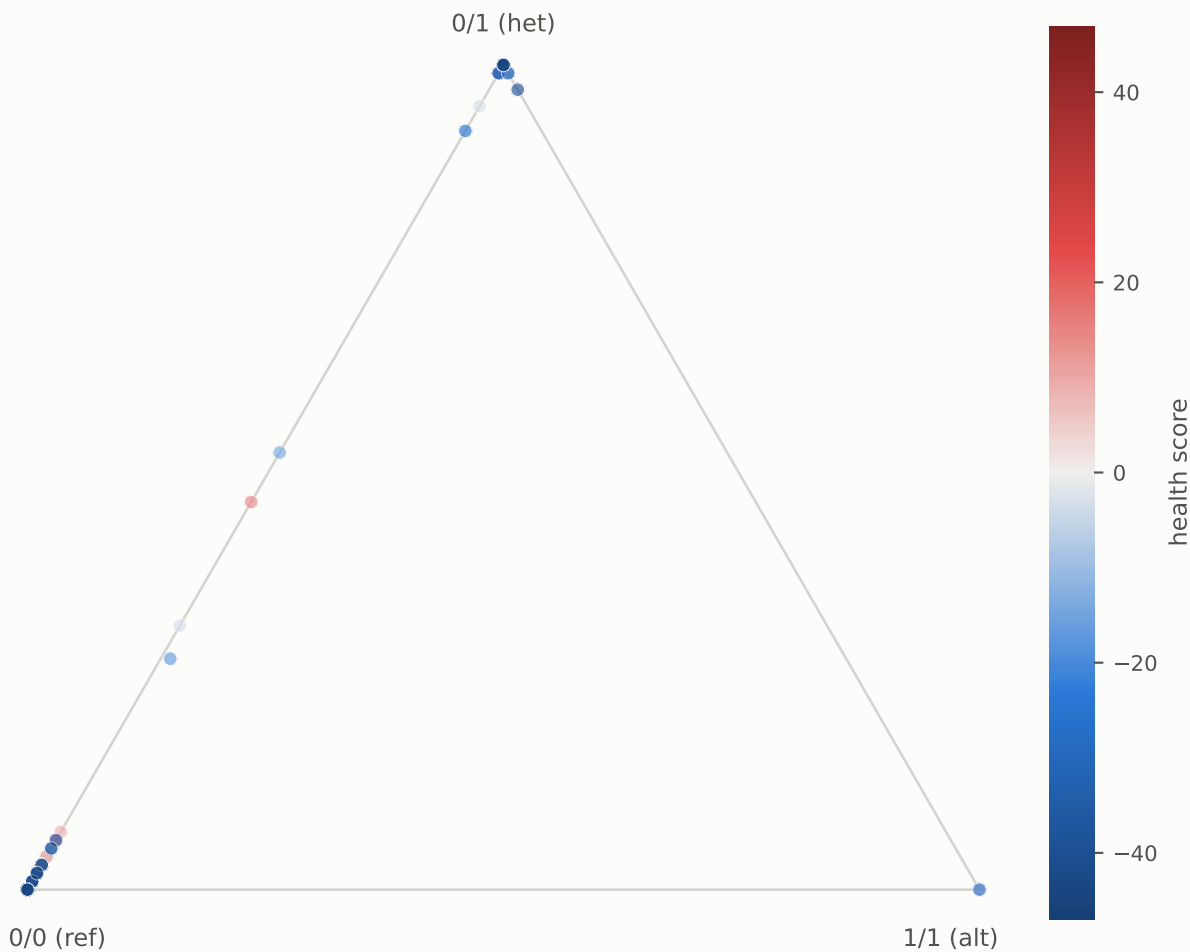
#177 by cluster health separation CHR_22:13,685,822 A>G
AF=0.062 DR2=0.93 r=+0.107 H=0.030 F=14.4



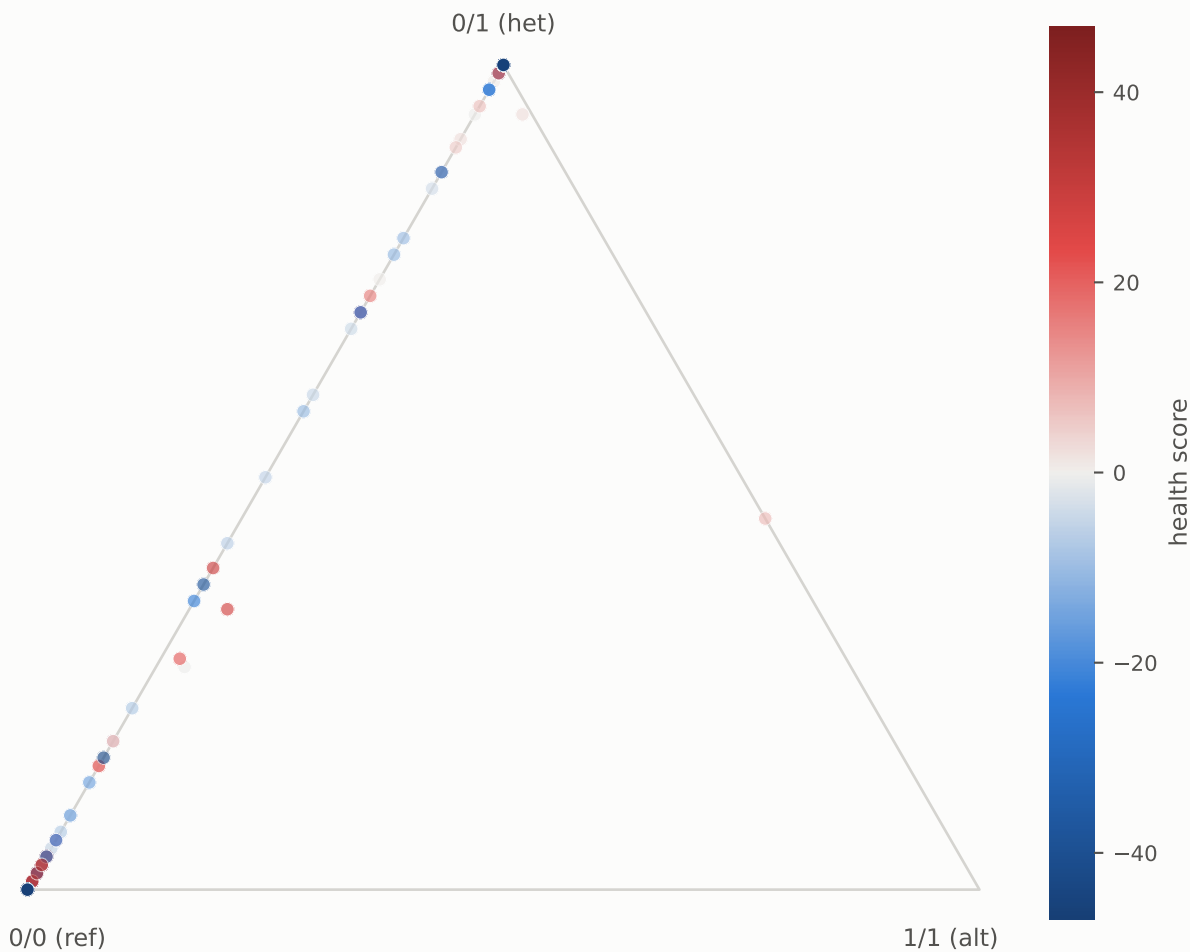
#178 by cluster health separation CHR_09:8,461,633 G>T
AF=0.052 DR2=0.95 r=+0.150 H=0.020 F=14.4



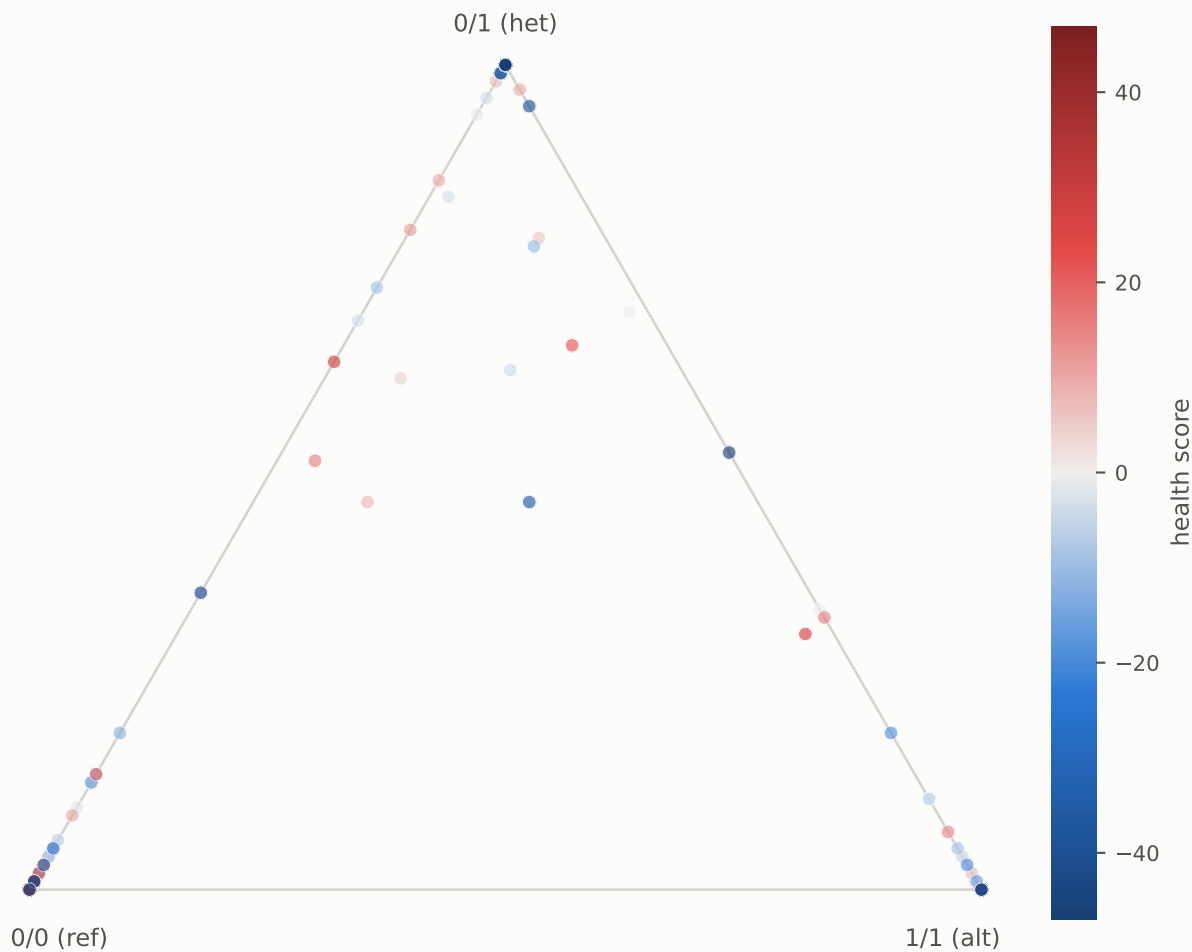
#179 by cluster health separation CHR_20:14,889,360 G>A
AF=0.037 DR2=0.93 r=-0.175 H=0.022 F=14.4



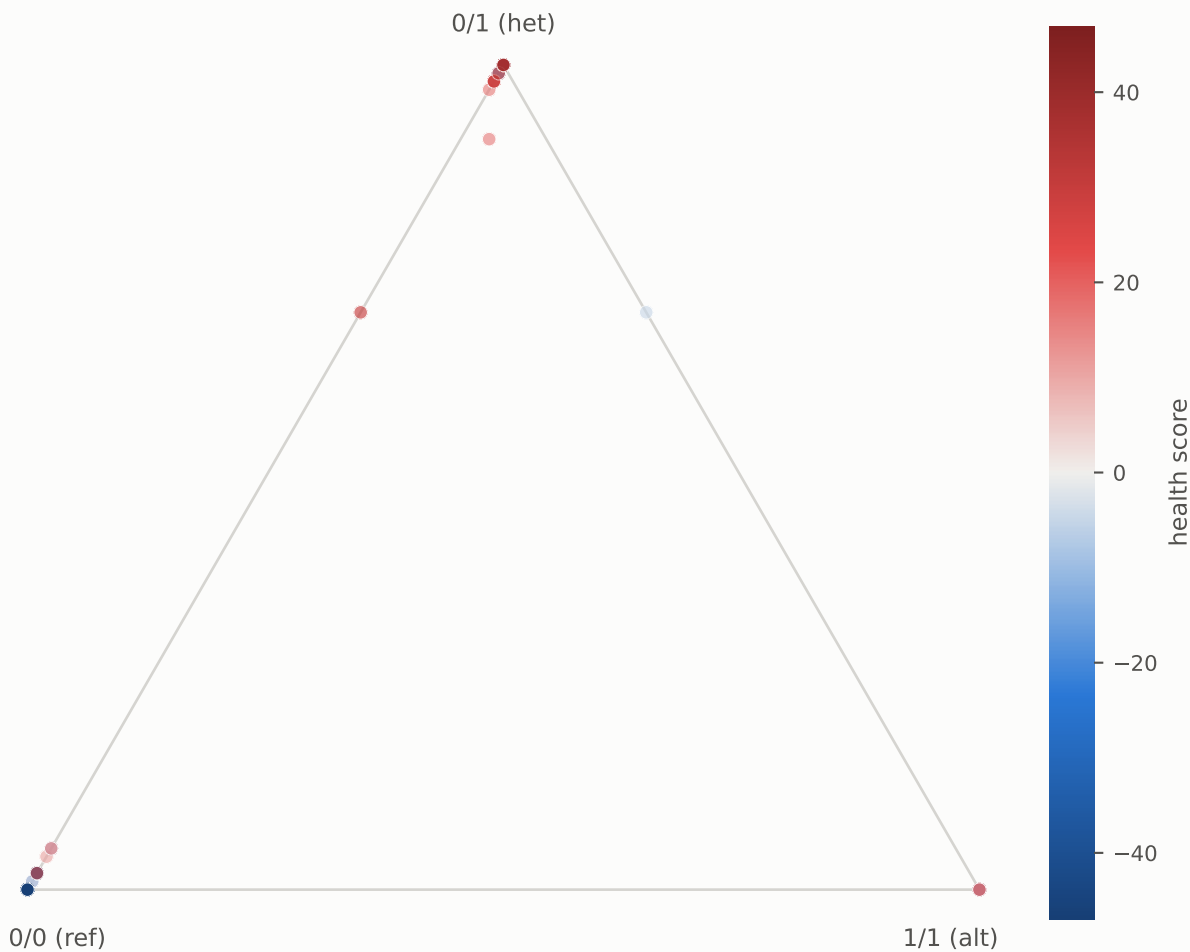
#180 by cluster health separation CHR_20:3,736,267 C>T
AF=0.12 DR2=0.92 $r=-0.175$ $H=0.052$ $F=14.4$



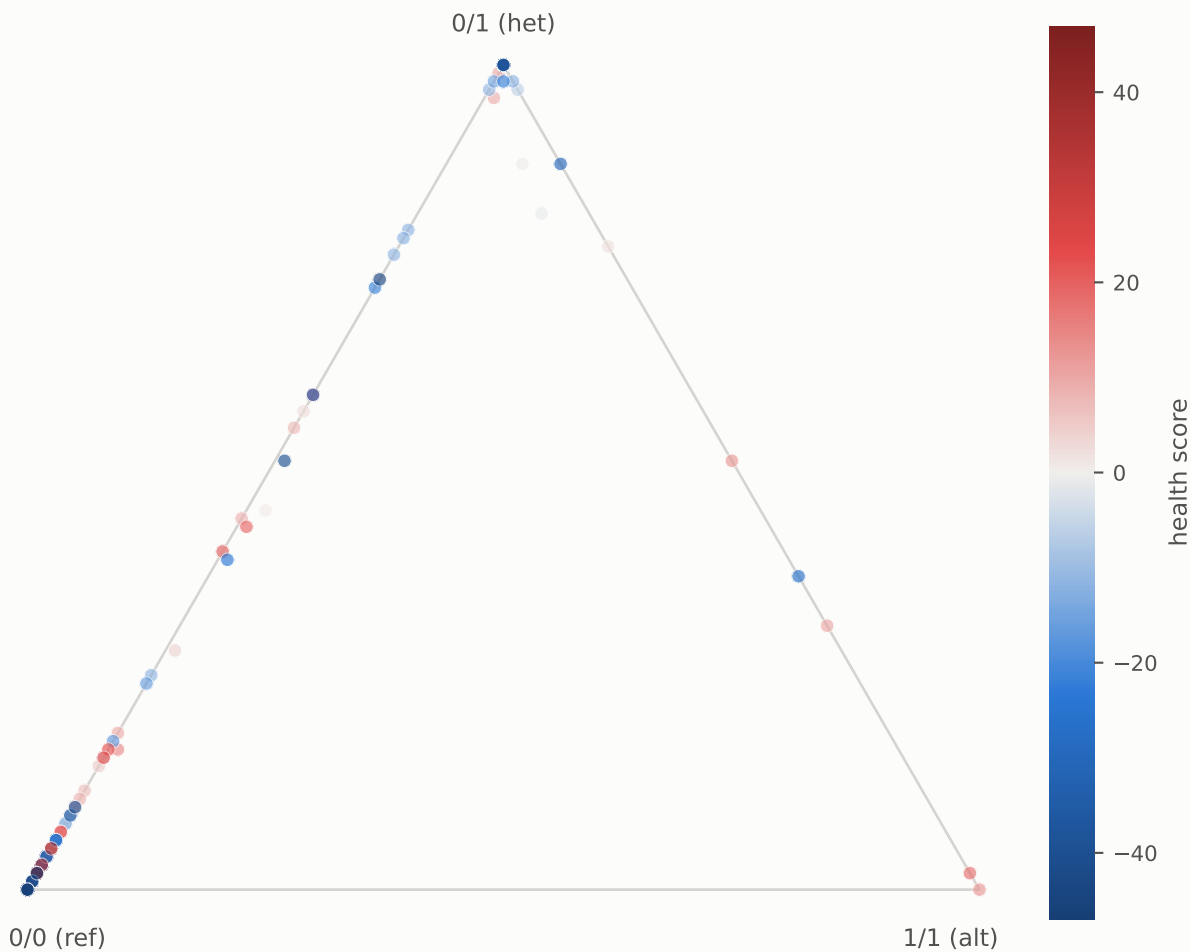
#181 by cluster health separation CHR_10:9,174,045 T>A
AF=0.26 DR2=0.96 $r=-0.195$ $H=0.052$ $F=14.4$



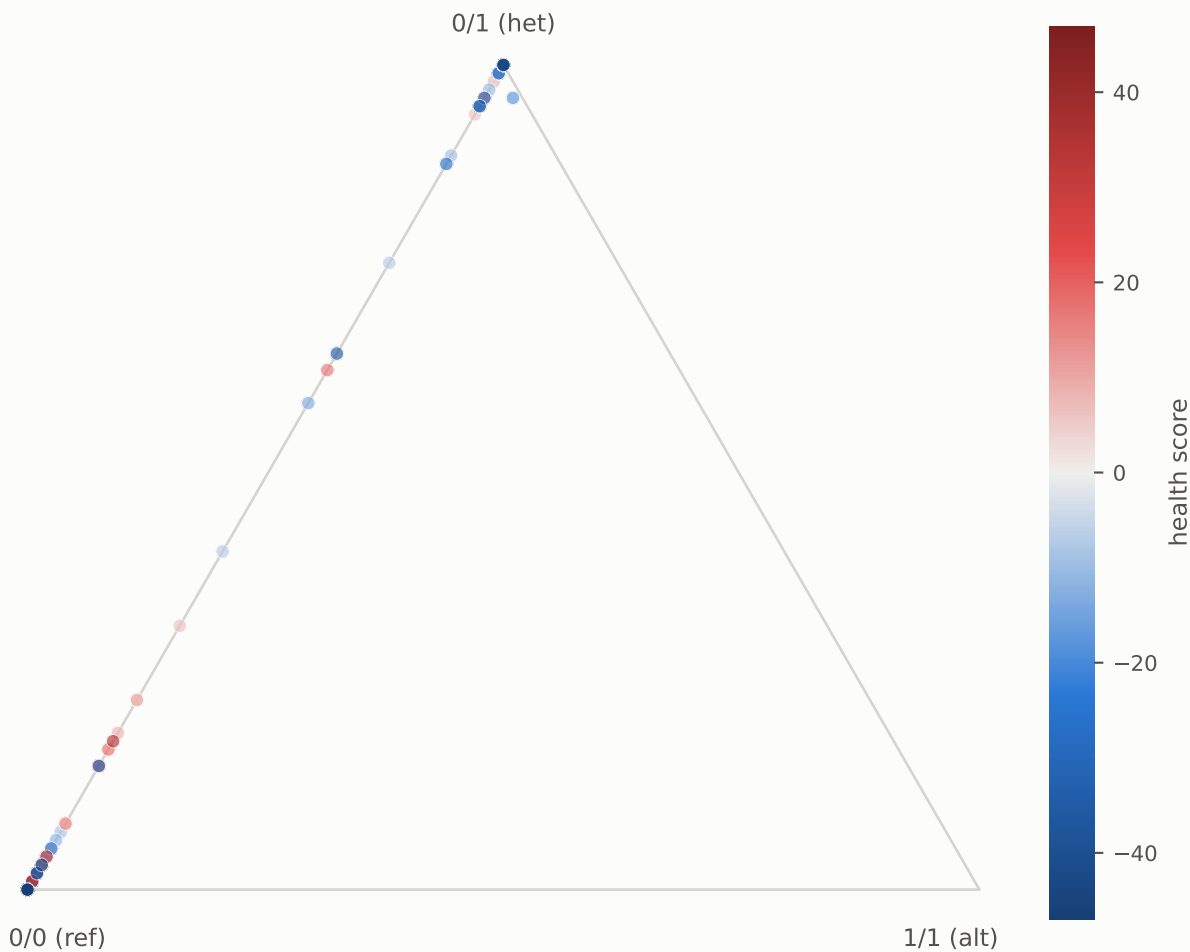
#182 by cluster health separation CHR_08:29,342,238 C>T
AF=0.056 DR2=0.98 r=+0.165 H=0.007 F=14.4



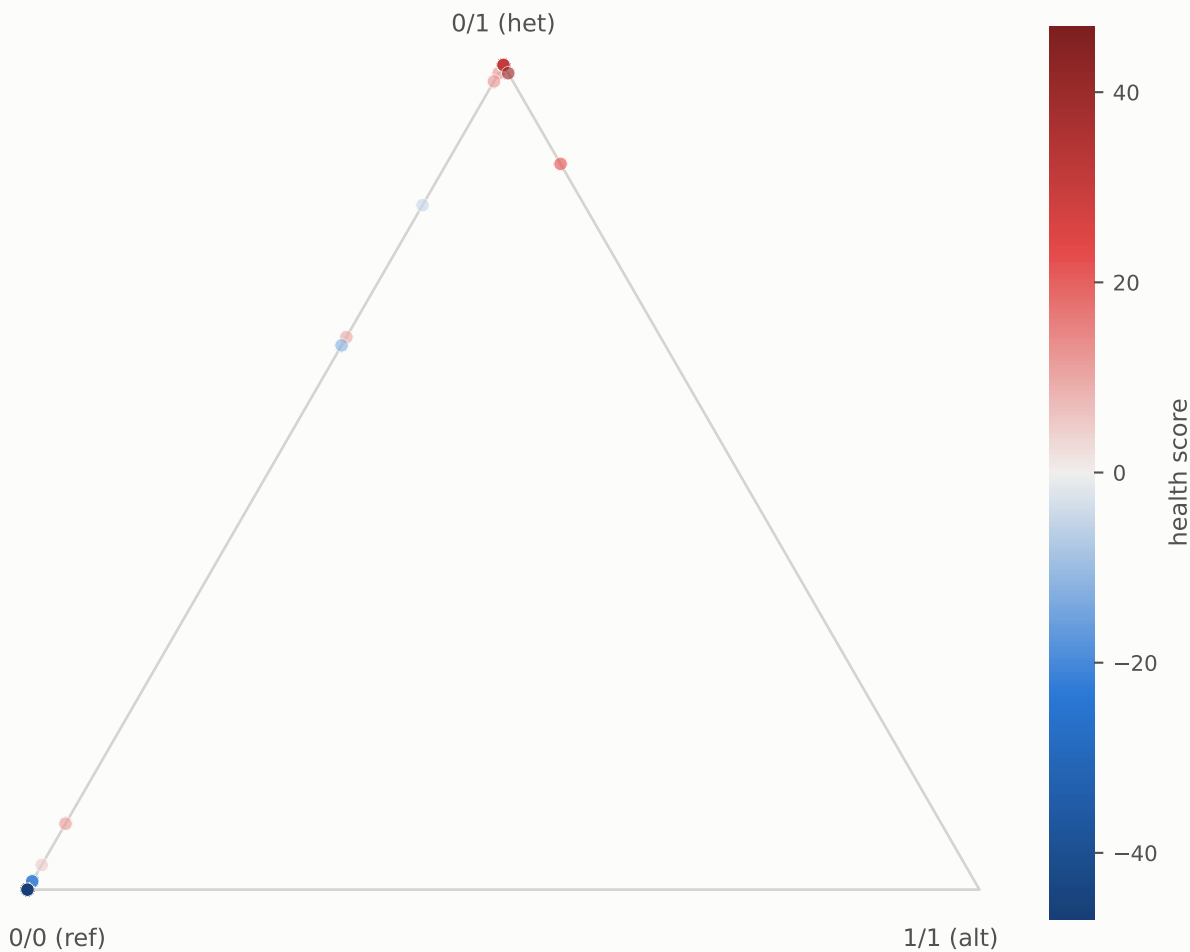
#183 by cluster health separation CHR_05:27,360,091 G>A
AF=0.072 DR2=0.84 r=-0.130 H=0.081 F=14.4



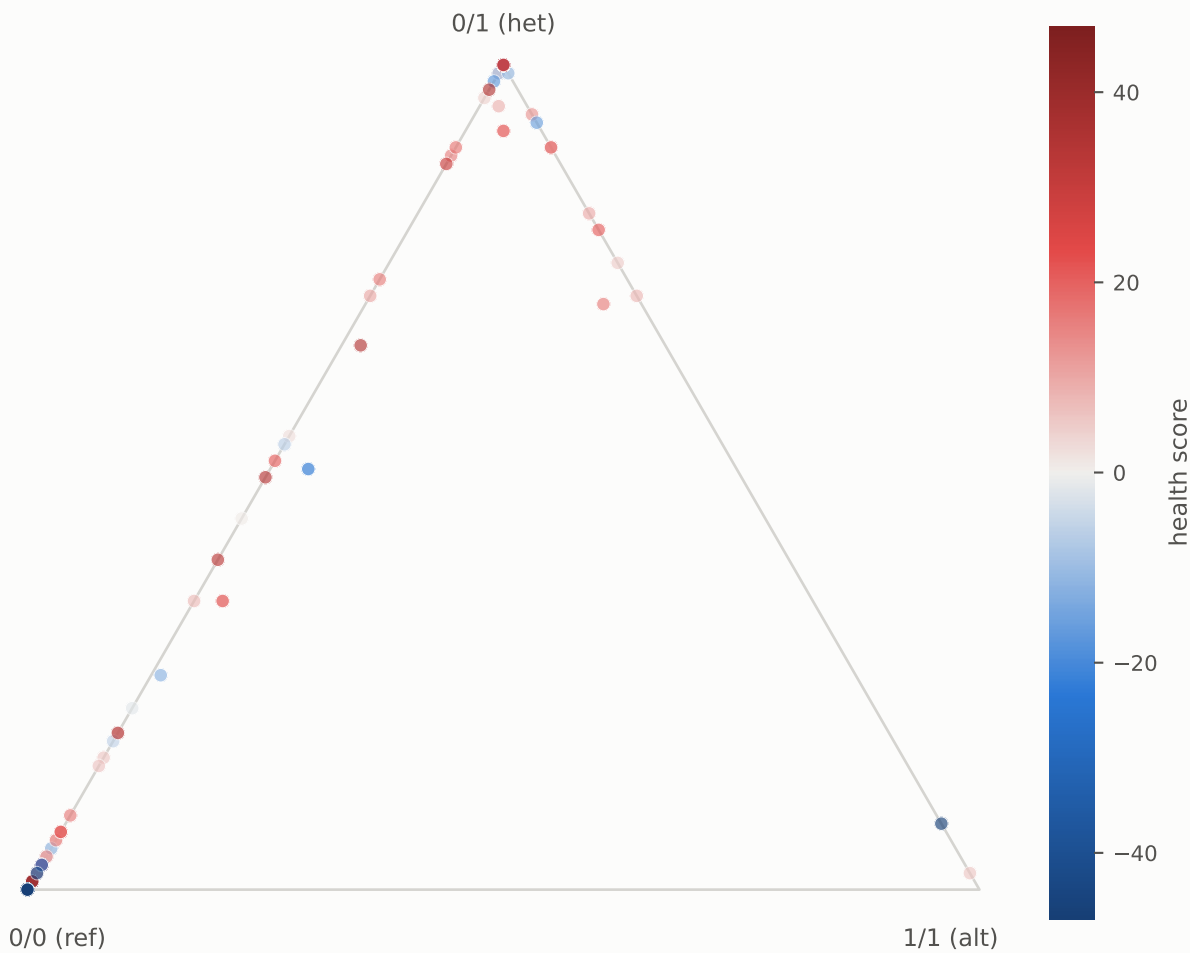
#184 by cluster health separation CHR_03:39,681,970 A>T
AF=0.051 DR2=0.9 r=-0.169 H=0.032 F=14.3



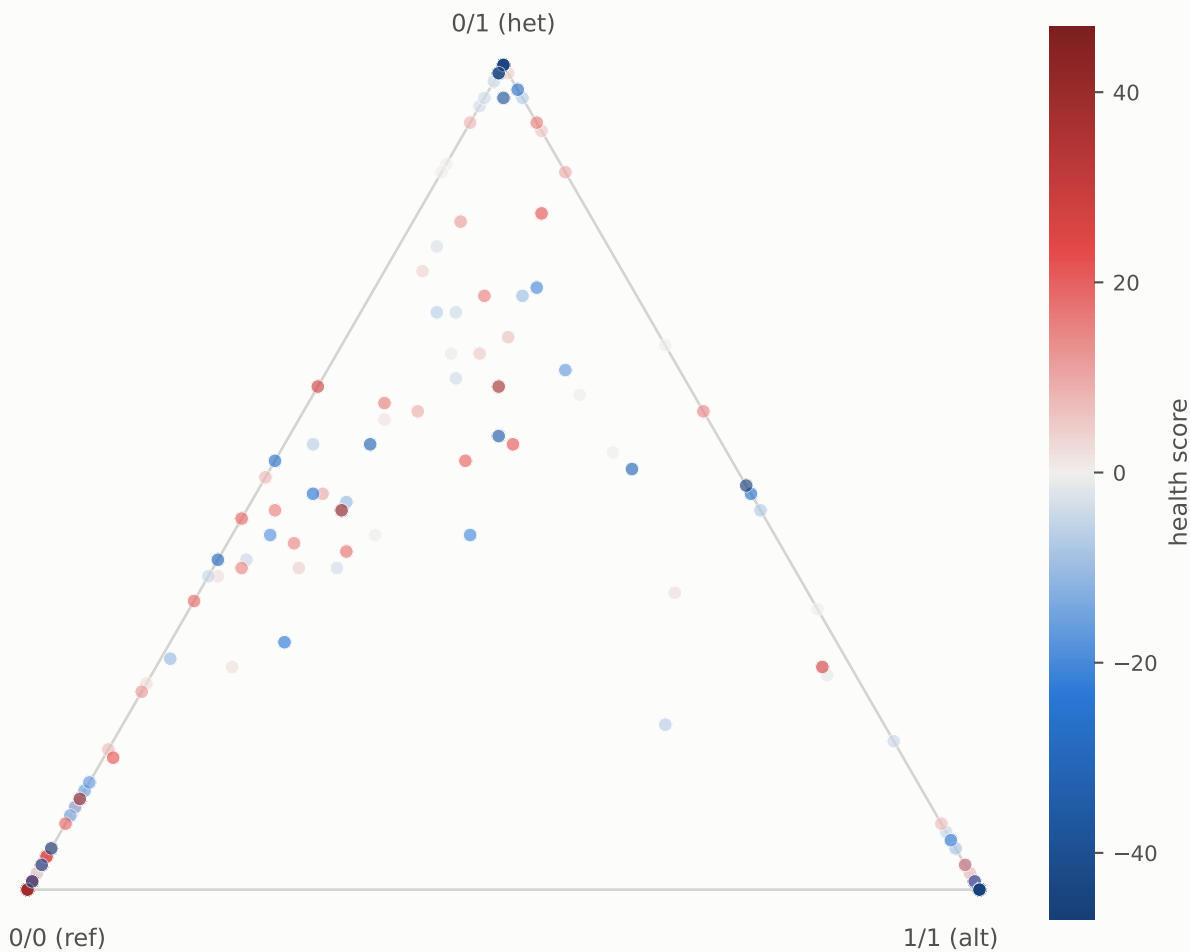
#185 by cluster health separation CHR_10:34,161,173 G>A
AF=0.044 DR2=0.96 r=+0.182 H=0.007 F=14.3



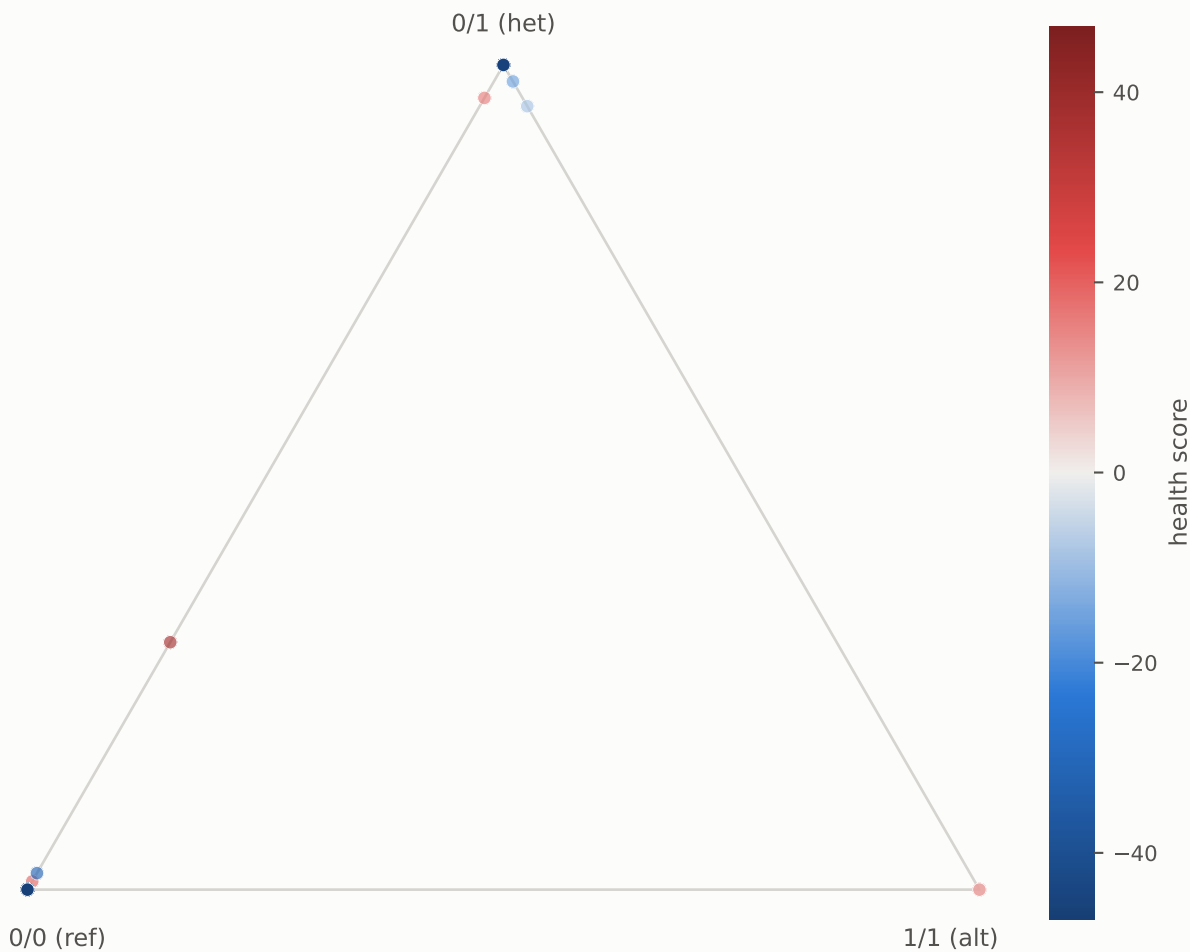
#186 by cluster health separation CHR_04:12,520,101 C>A
AF=0.057 DR2=0.87 $r=+0.156$ $H=0.052$ $F=14.3$



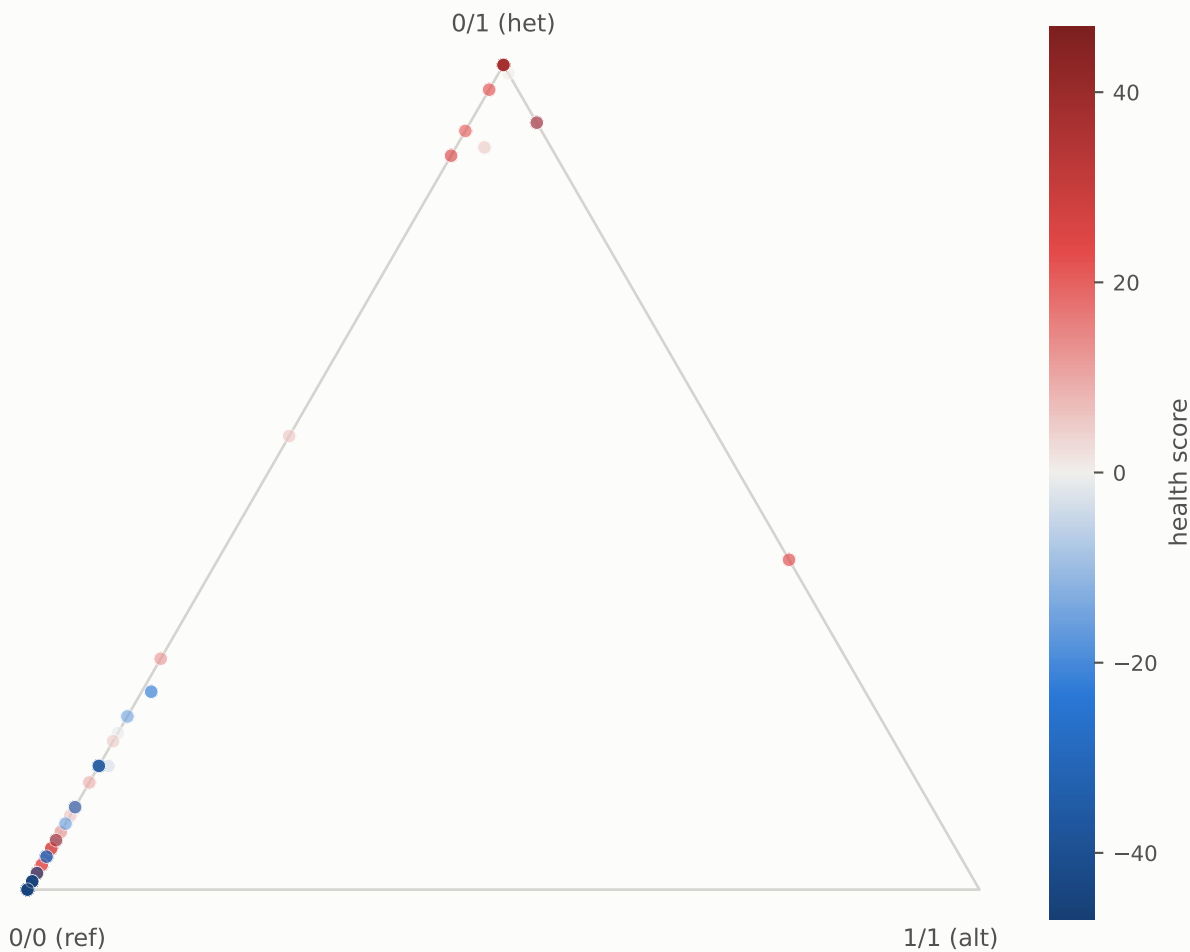
#187 by cluster health separation CHR_10:9,178,062 C>G
AF=0.33 DR2=0.91 r=-0.223 H=0.144 F=14.3



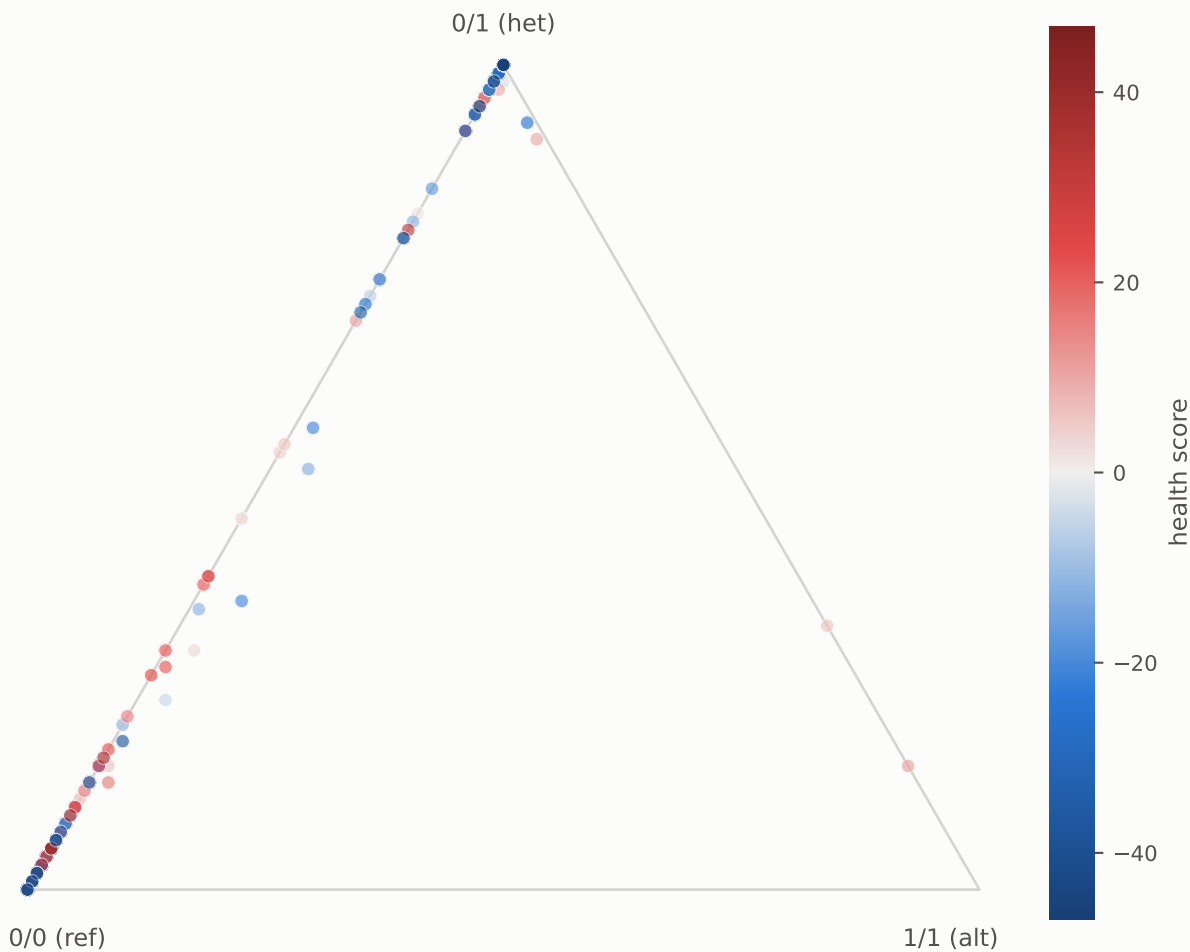
#188 by cluster health separation CHR_05:32,568,690 T>C
AF=0.054 DR2=0.99 r=-0.148 H=0.003 F=14.3



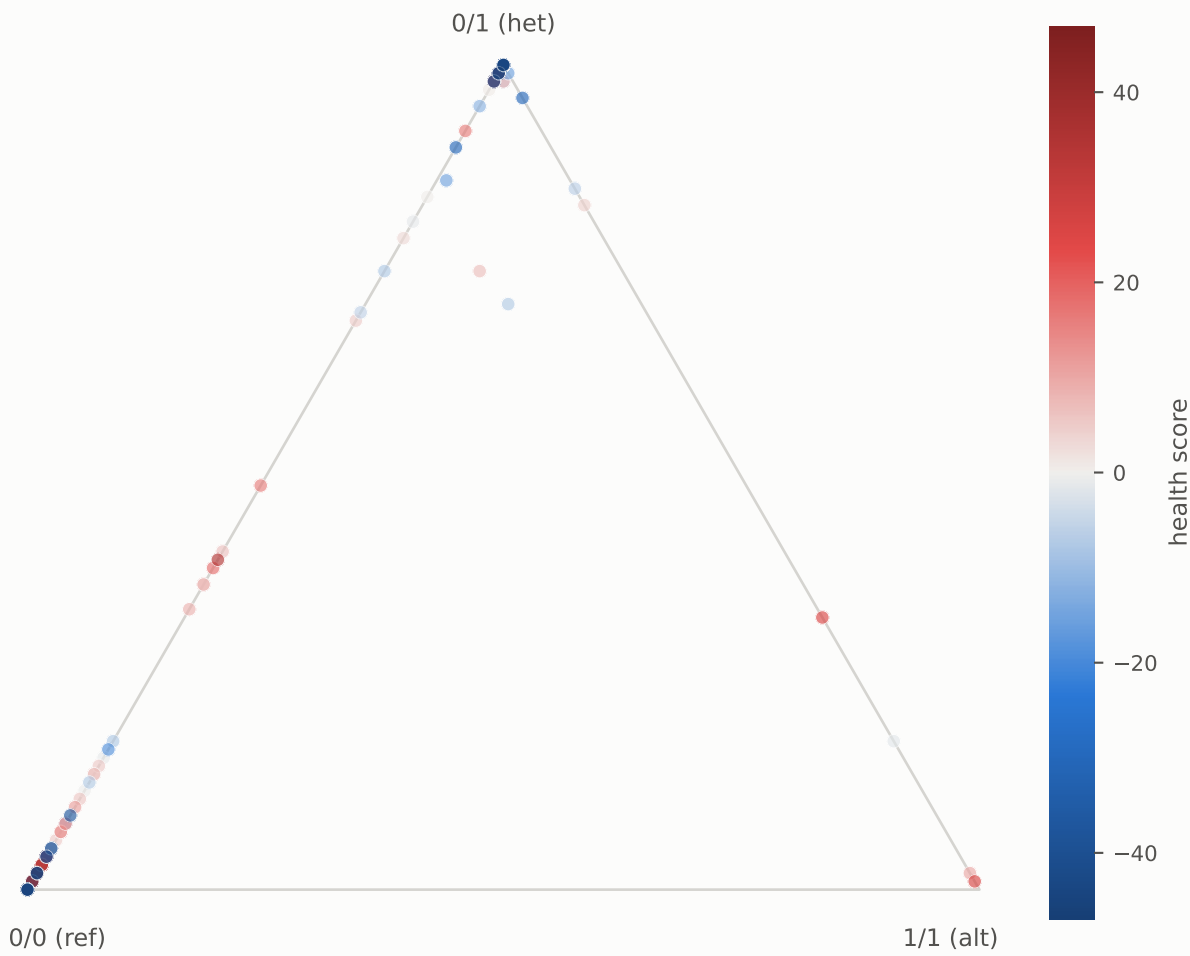
#189 by cluster health separation unpl-scaff_080:23,742 T>C
AF=0.021 DR2=0.81 r=+0.177 H=0.032 F=14.3



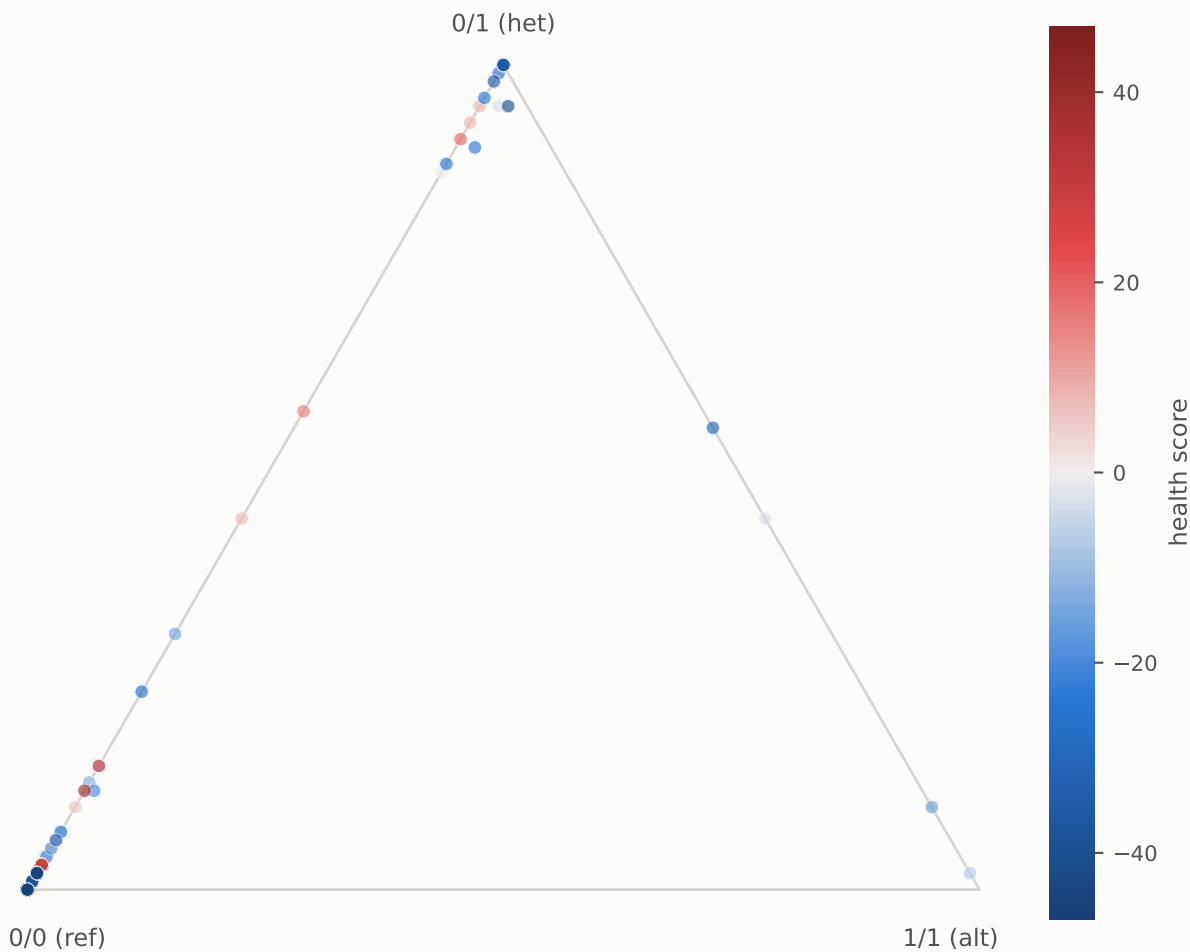
#190 by cluster health separation CHR_08:35,979,438 T>G
AF=0.15 DR2=0.86 $r=-0.148$ H=0.110 F=14.3



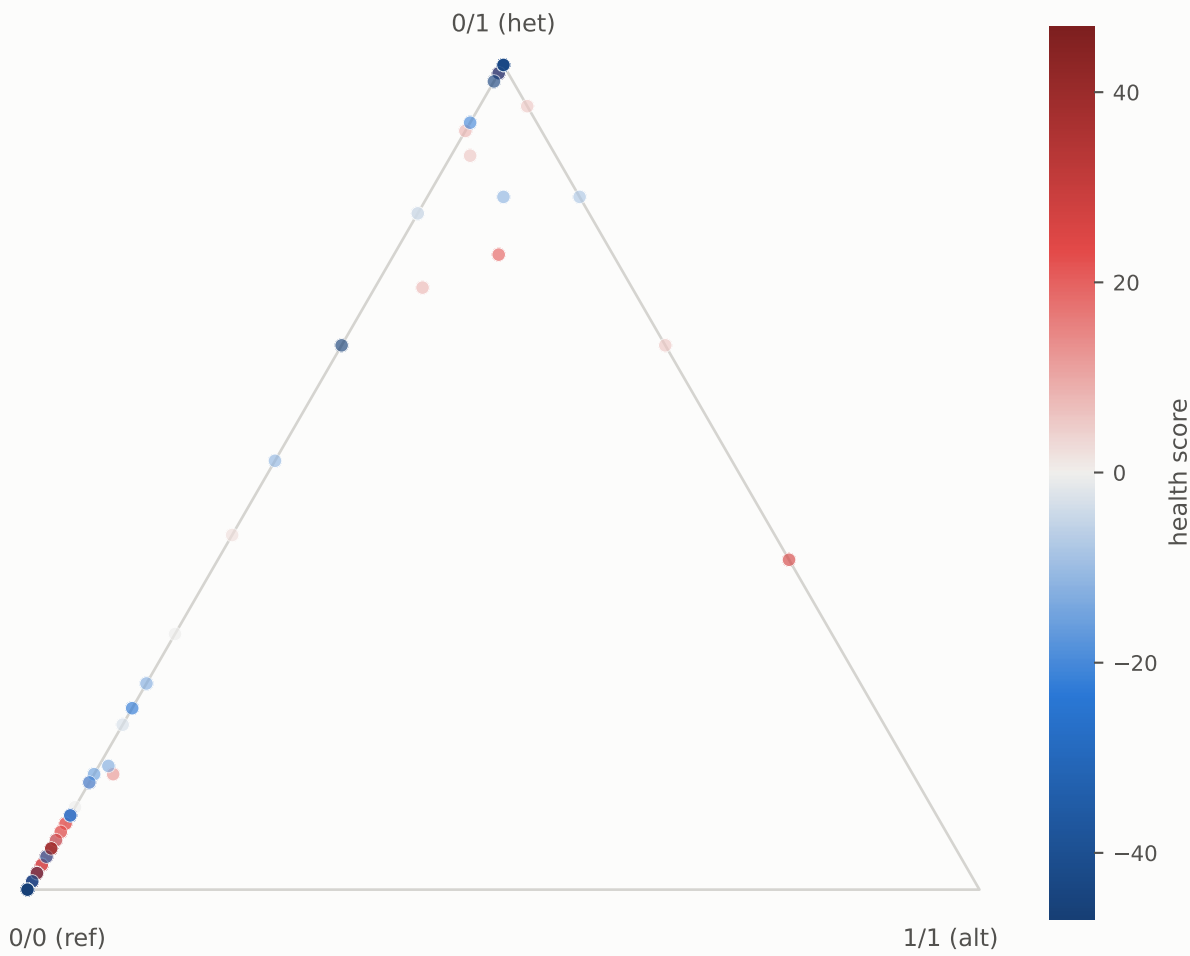
#191 by cluster health separation CHR_07:1,733,216 G>A
AF=0.11 DR2=0.9 r=-0.123 H=0.065 F=14.3



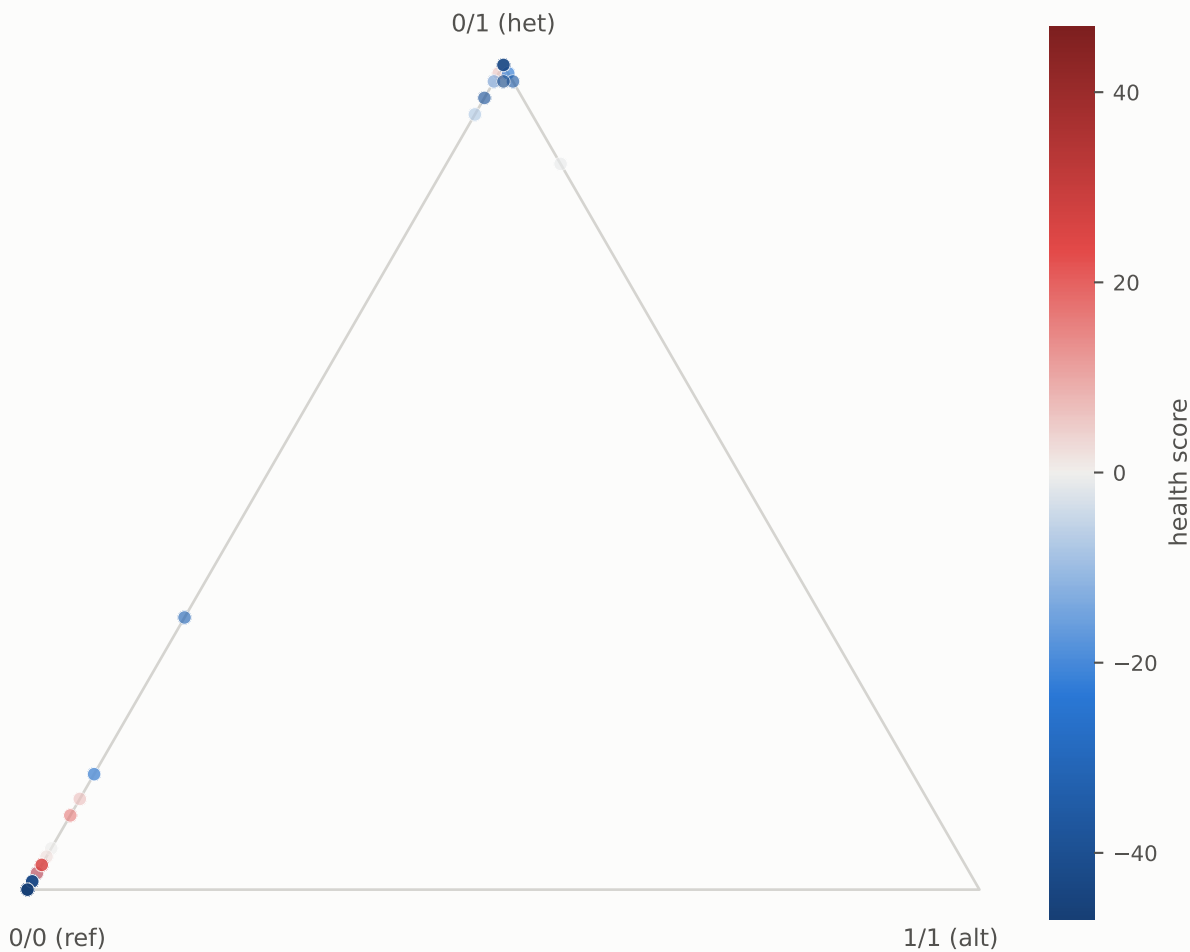
#192 by cluster health separation CHR_04:7,934,491 A>C
AF=0.033 DR2=0.86 $r=-0.186$ H=0.041 F=14.3



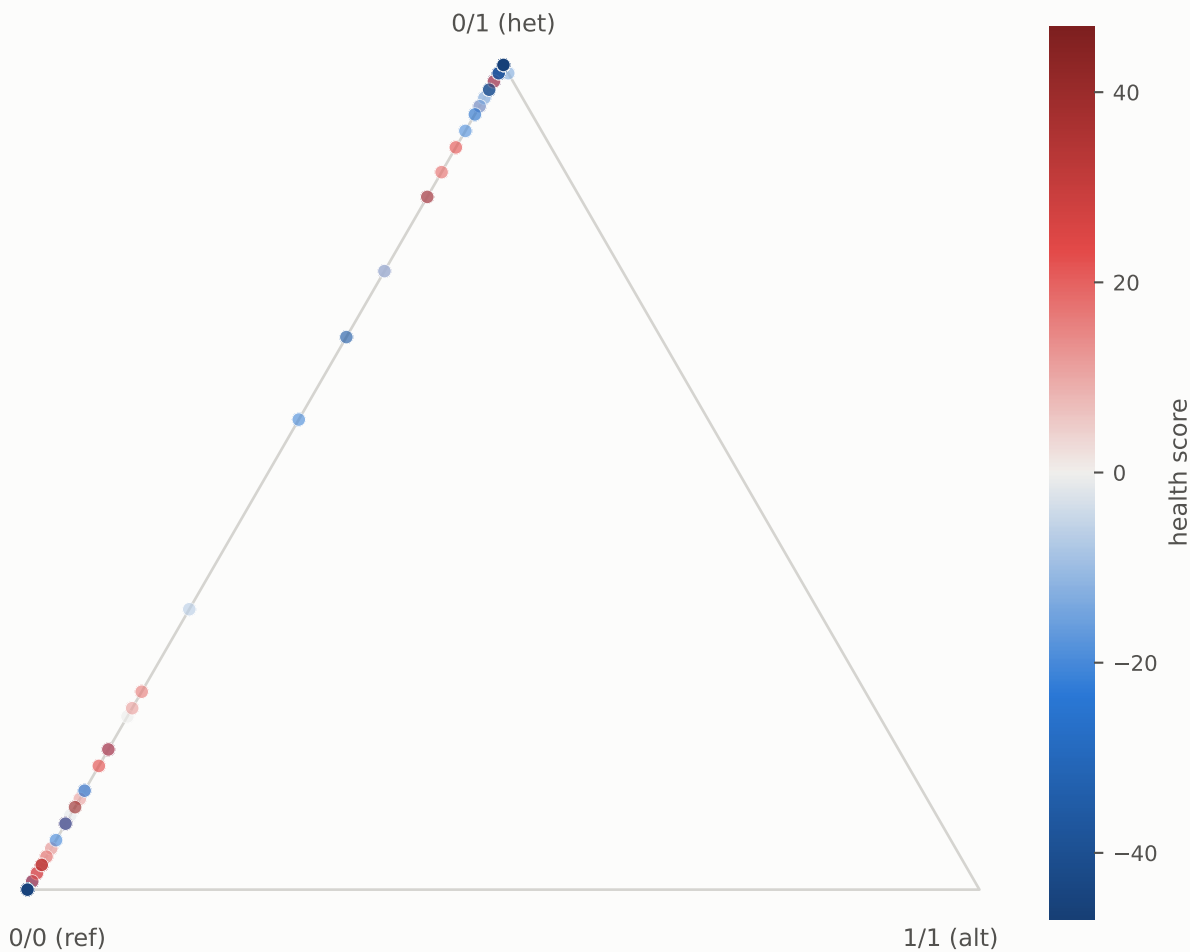
#193 by cluster health separation CHR_12:28,106,057 C>T
AF=0.046 DR2=0.84 r=-0.145 H=0.051 F=14.3



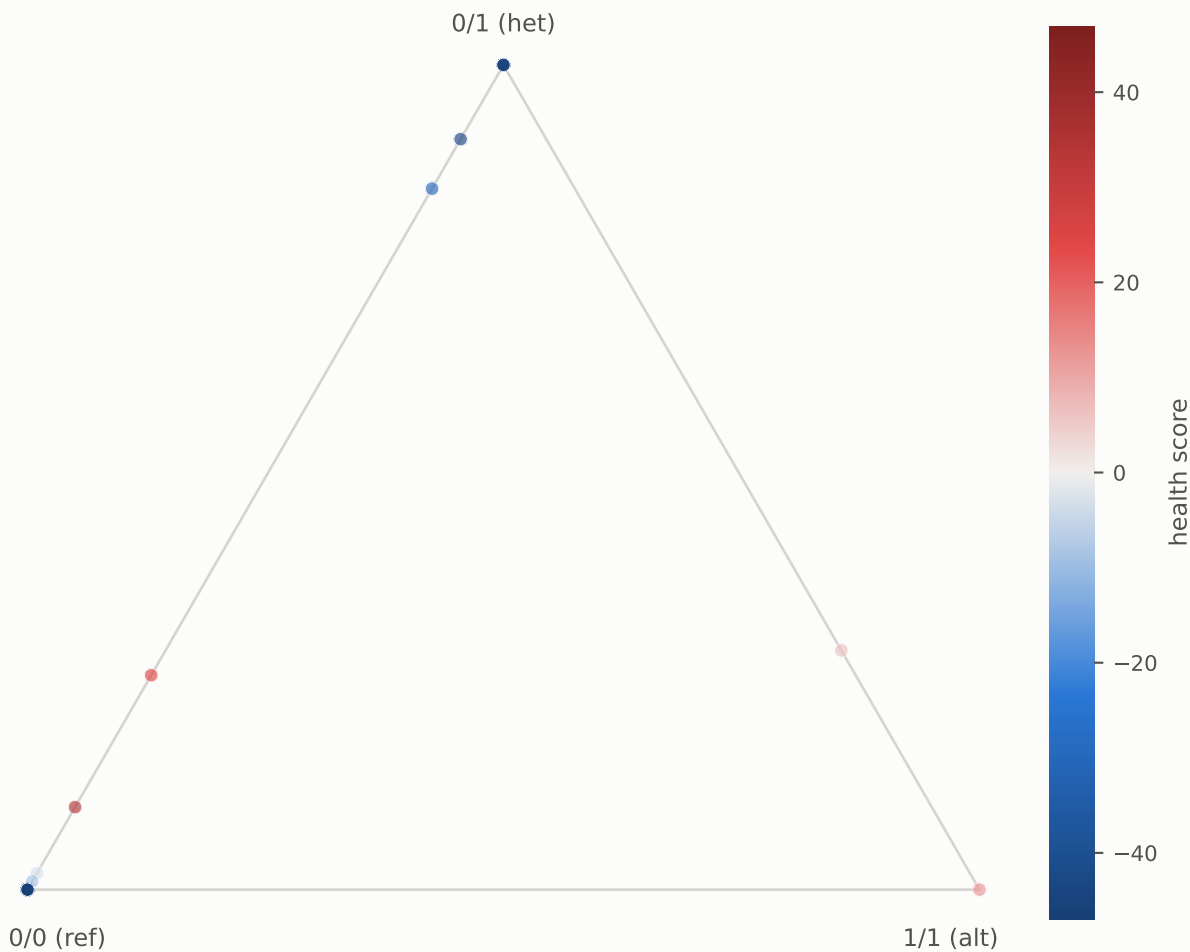
#194 by cluster health separation CHR_06:13,039,117 C>A
AF=0.014 DR2=0.87 r=-0.182 H=0.013 F=14.3



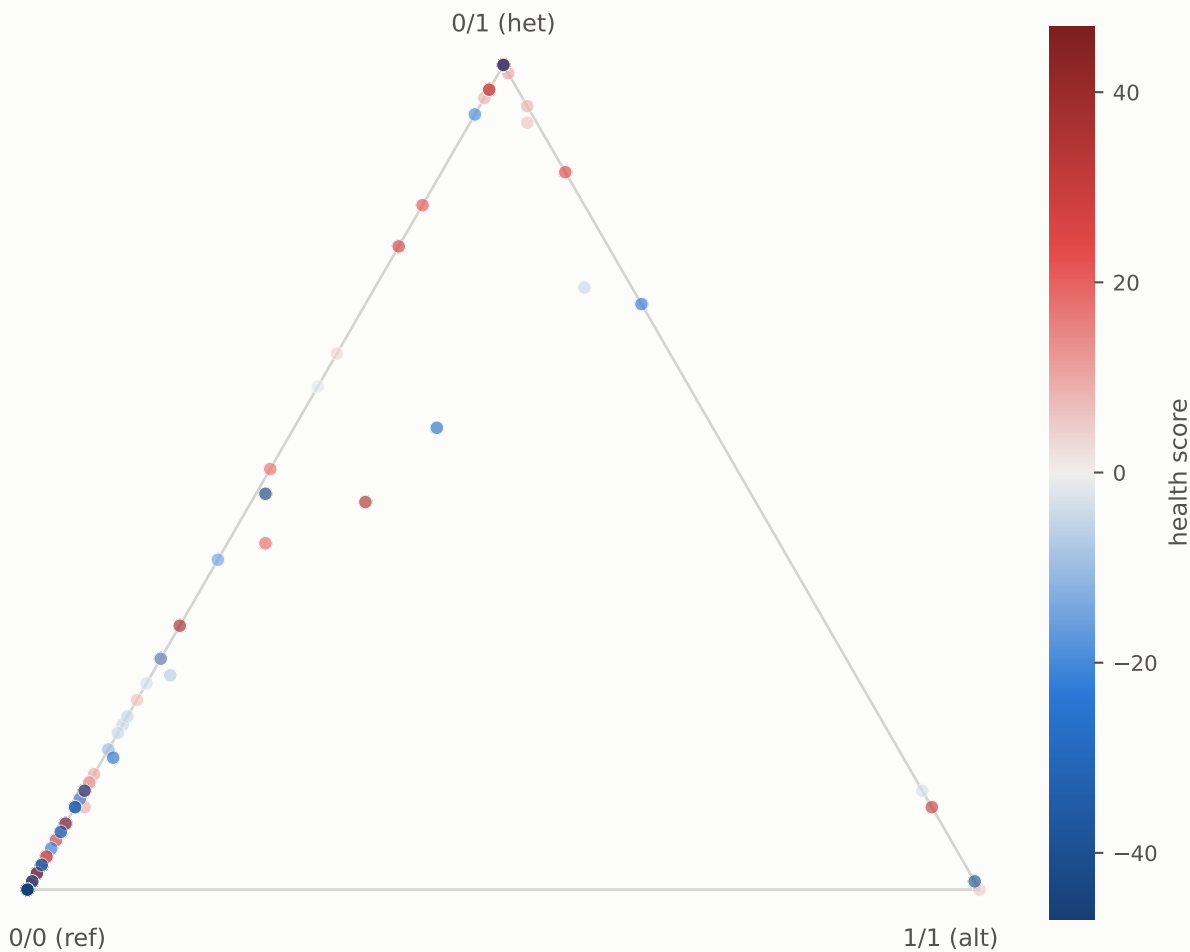
#195 by cluster health separation CHR_03:27,226,574 A>G
AF=0.09 DR2=0.93 r=-0.170 H=0.037 F=14.3



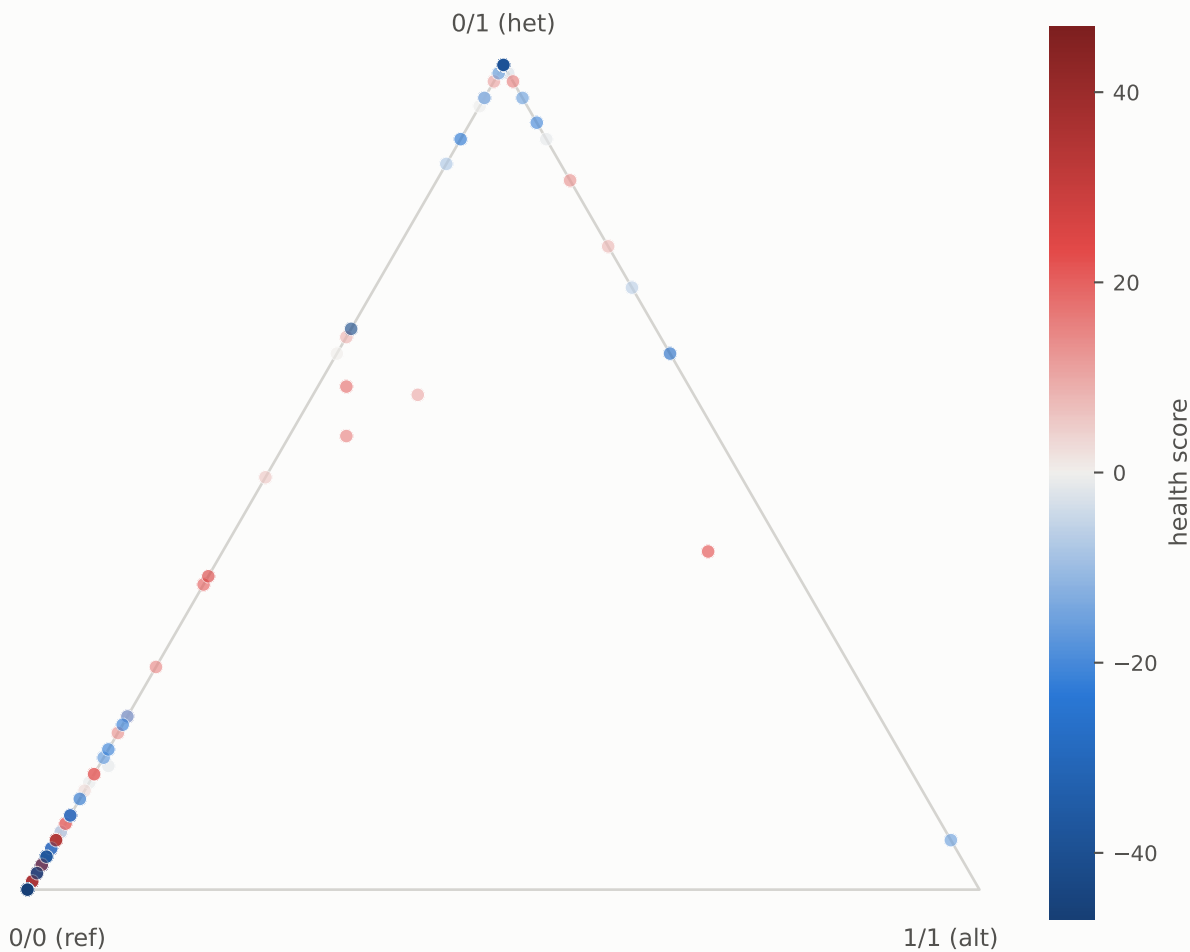
#196 by cluster health separation CHR_05:32,549,649 A>G
AF=0.053 DR2=0.98 r=-0.147 H=0.005 F=14.3



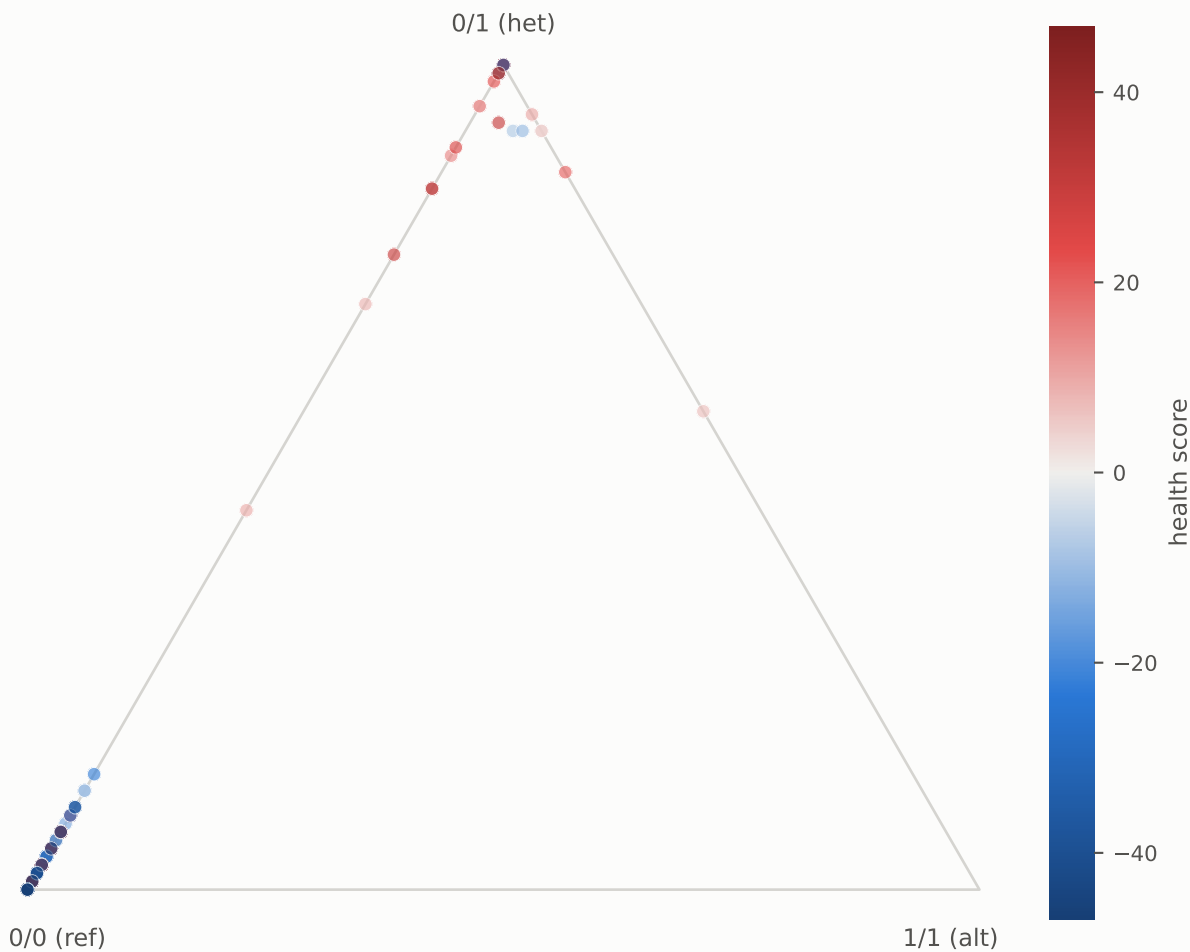
#197 by cluster health separation CHR_15:15,068,760 A>G
AF=0.098 DR2=0.88 r=+0.135 H=0.062 F=14.3



#198 by cluster health separation CHR_04:31,812,706 G>T
AF=0.081 DR2=0.87 r=-0.166 H=0.070 F=14.3



#199 by cluster health separation CHR_06:6,660,071 G>A
AF=0.069 DR2=0.86 r=+0.168 H=0.061 F=14.2



#200 by cluster health separation CHR_16:18,946,575 G>A
AF=0.039 DR2=0.88 r=-0.170 H=0.043 F=14.2

