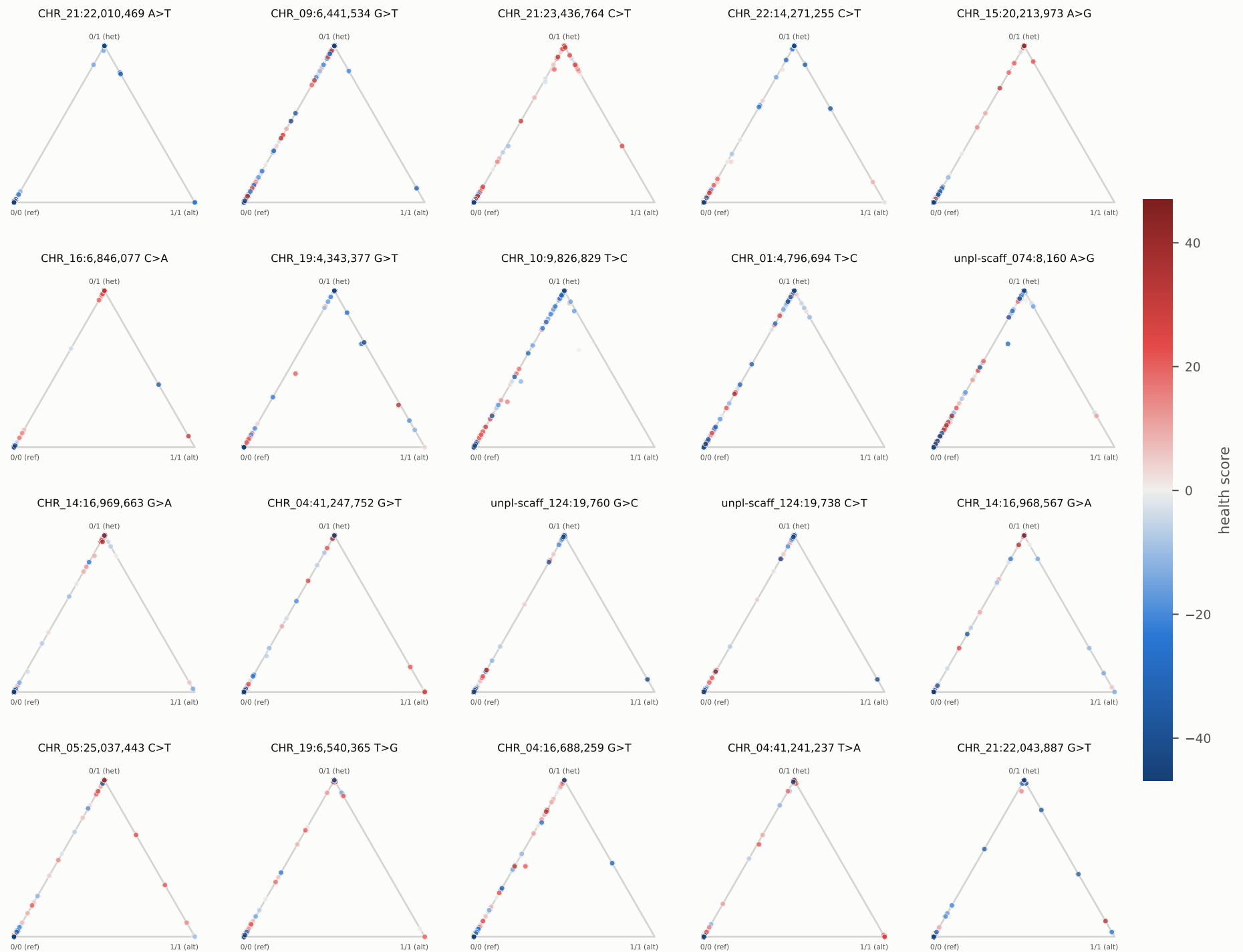
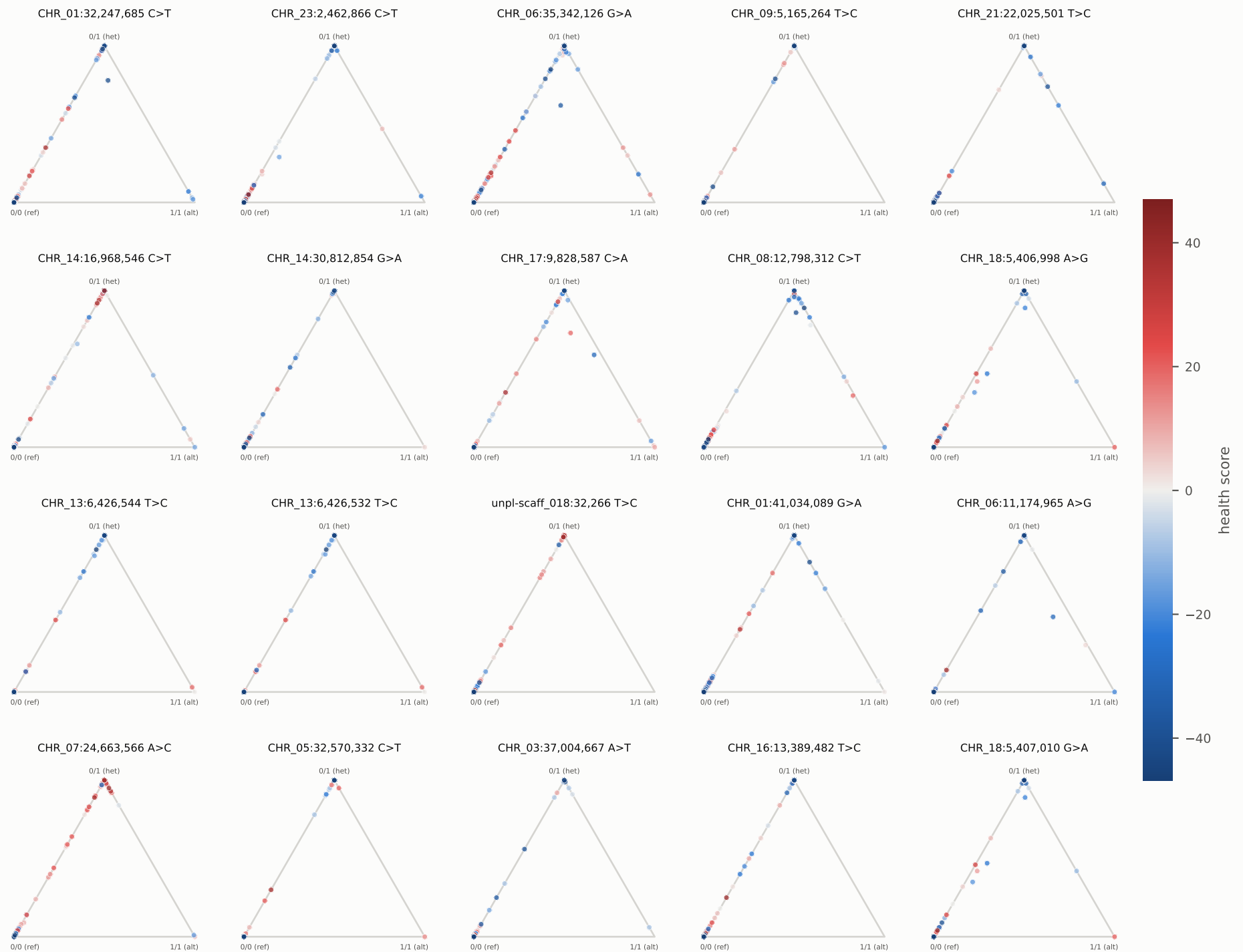


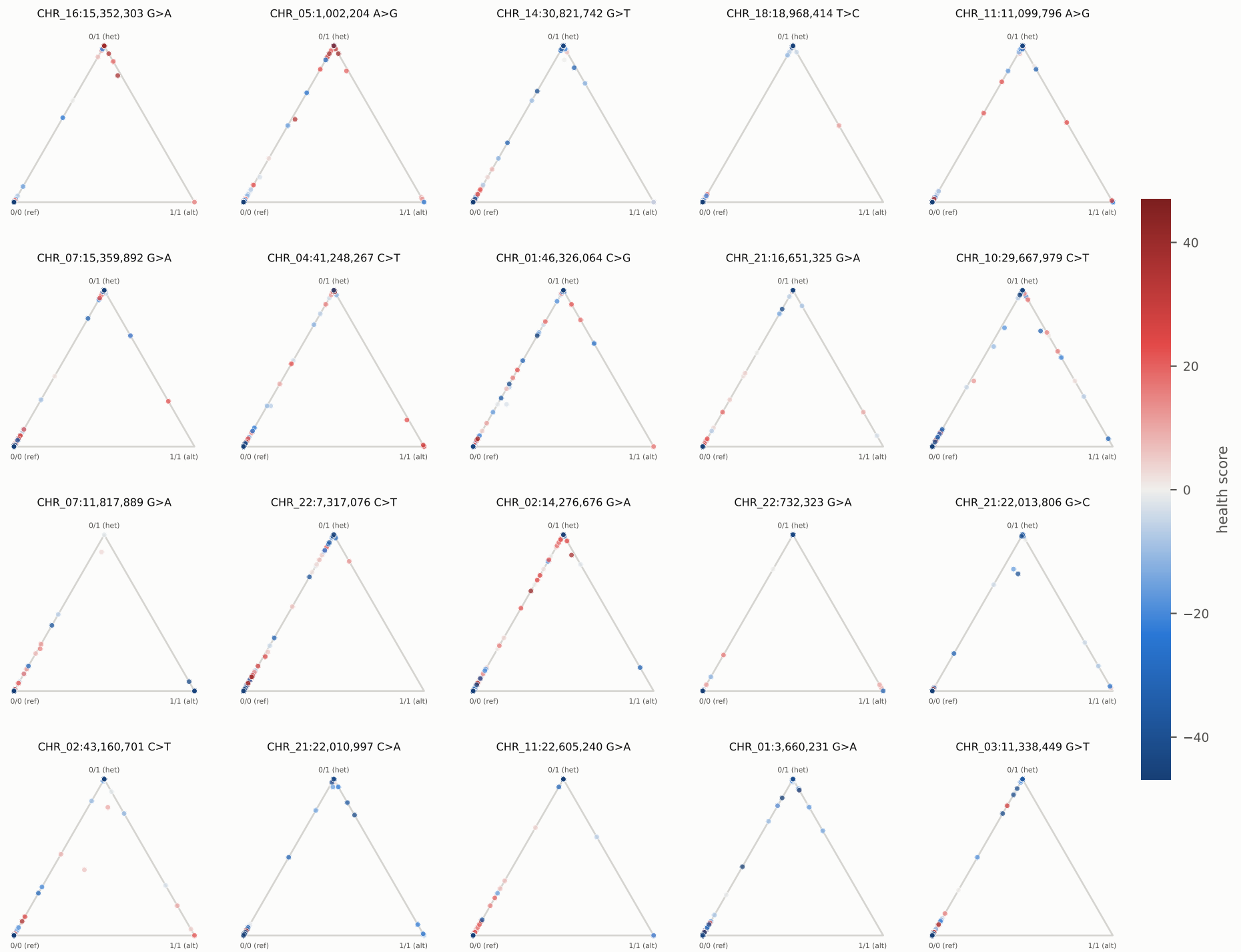
full — top 200 SNPs by cluster health separation (ANOVA F) — overview 1/10



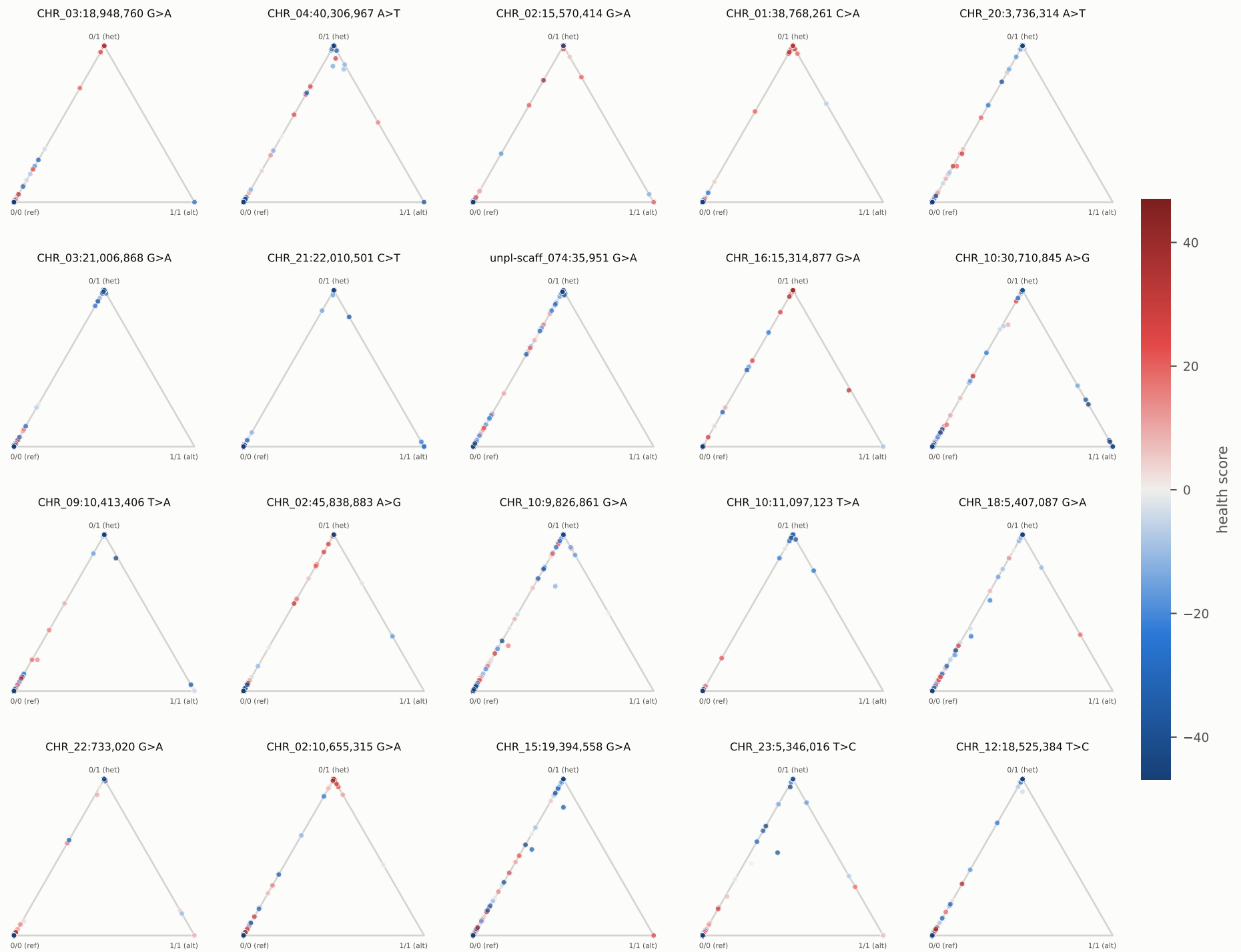
full — top 200 SNPs by cluster health separation (ANOVA F) — overview 2/10



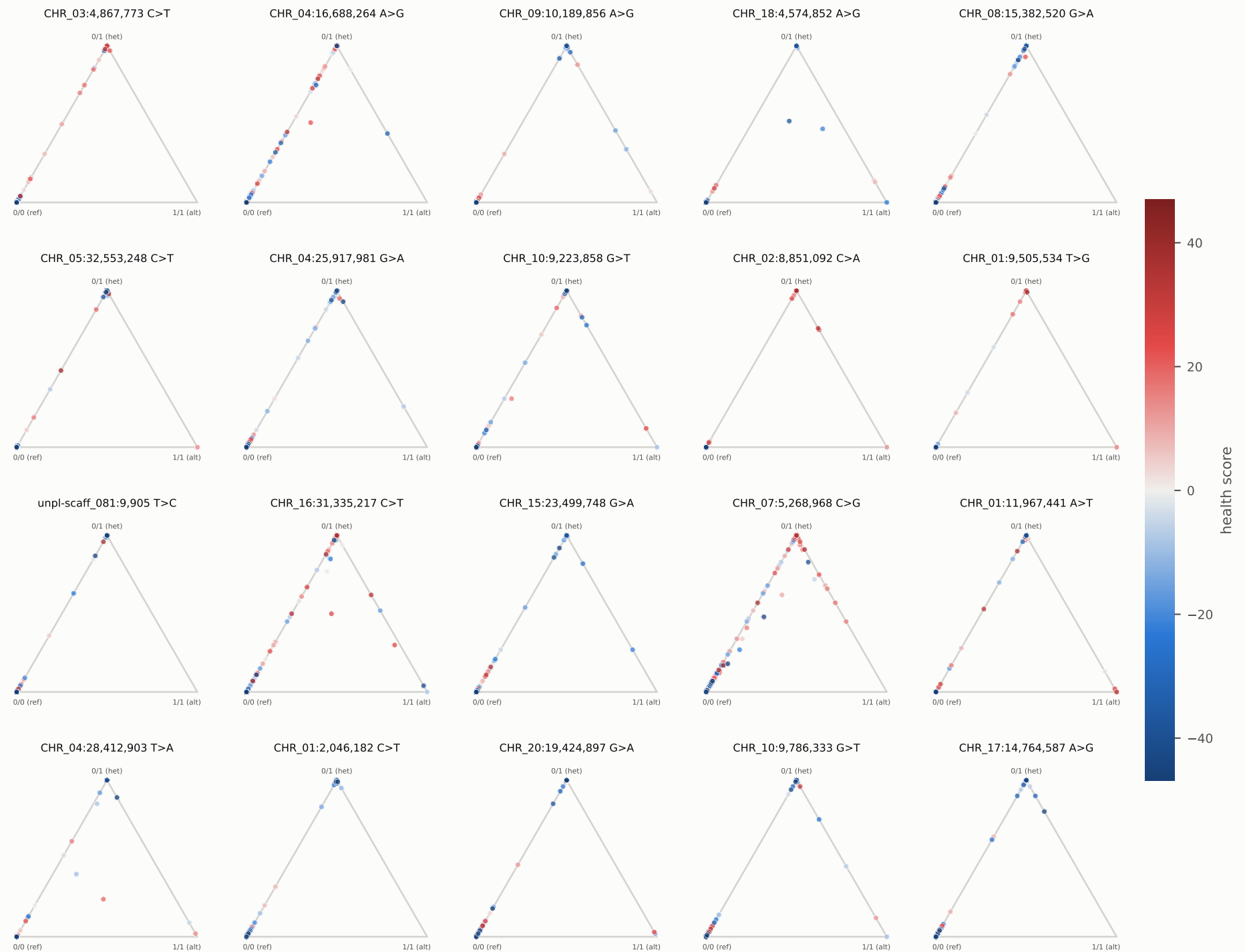
full — top 200 SNPs by cluster health separation (ANOVA F) — overview 3/10



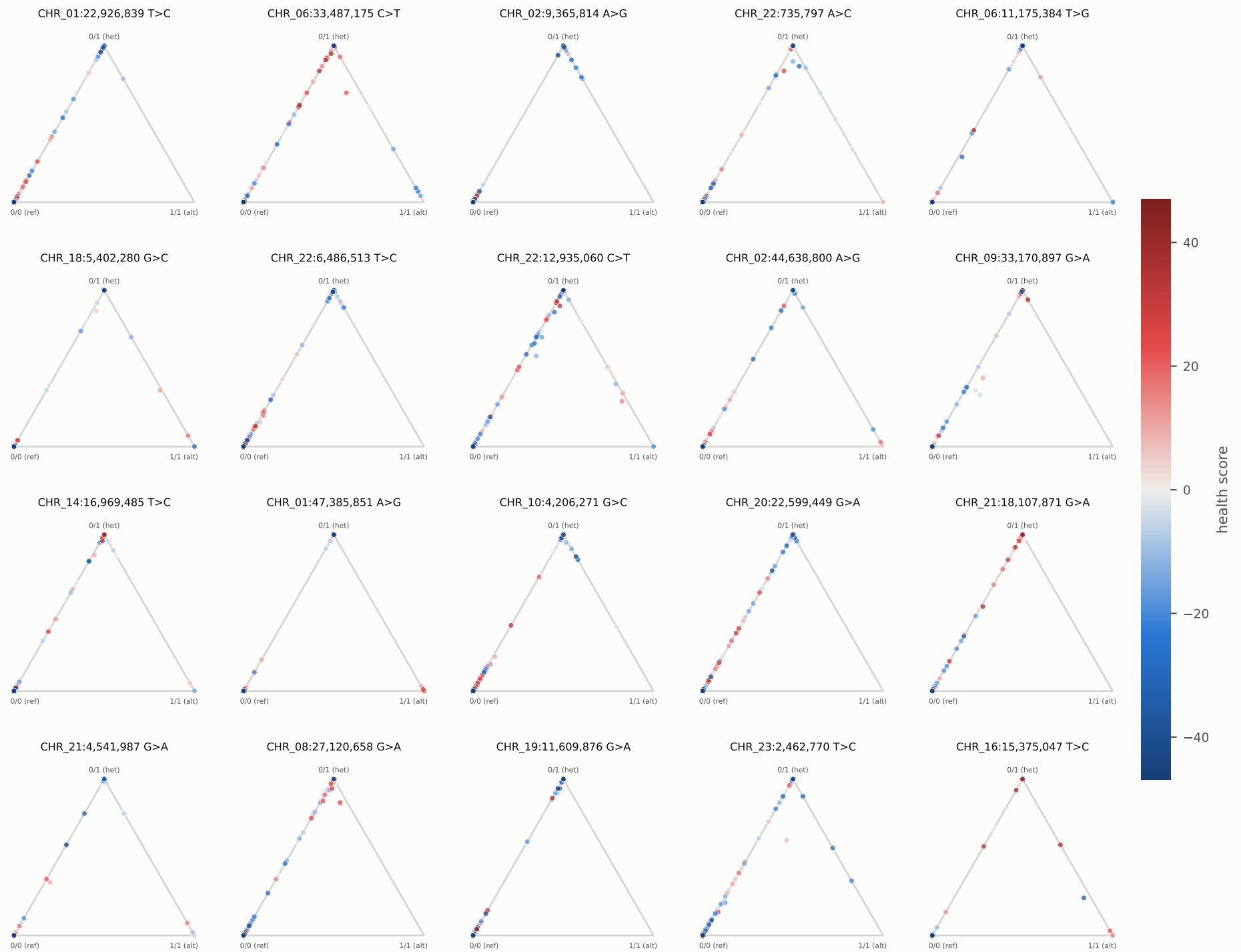
full — top 200 SNPs by cluster health separation (ANOVA F) — overview 4/10



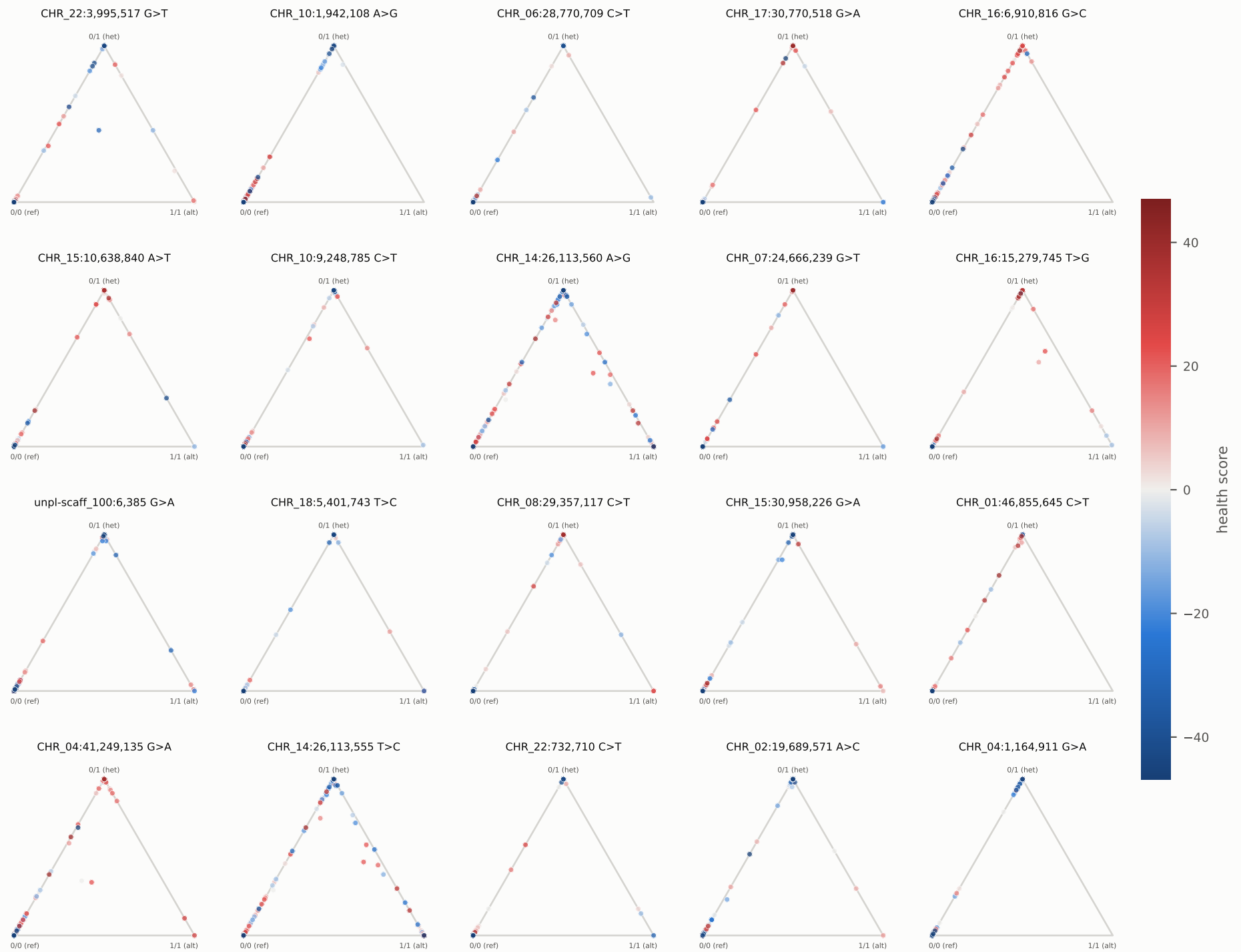
full — top 200 SNPs by cluster health separation (ANOVA F) — overview 5/10



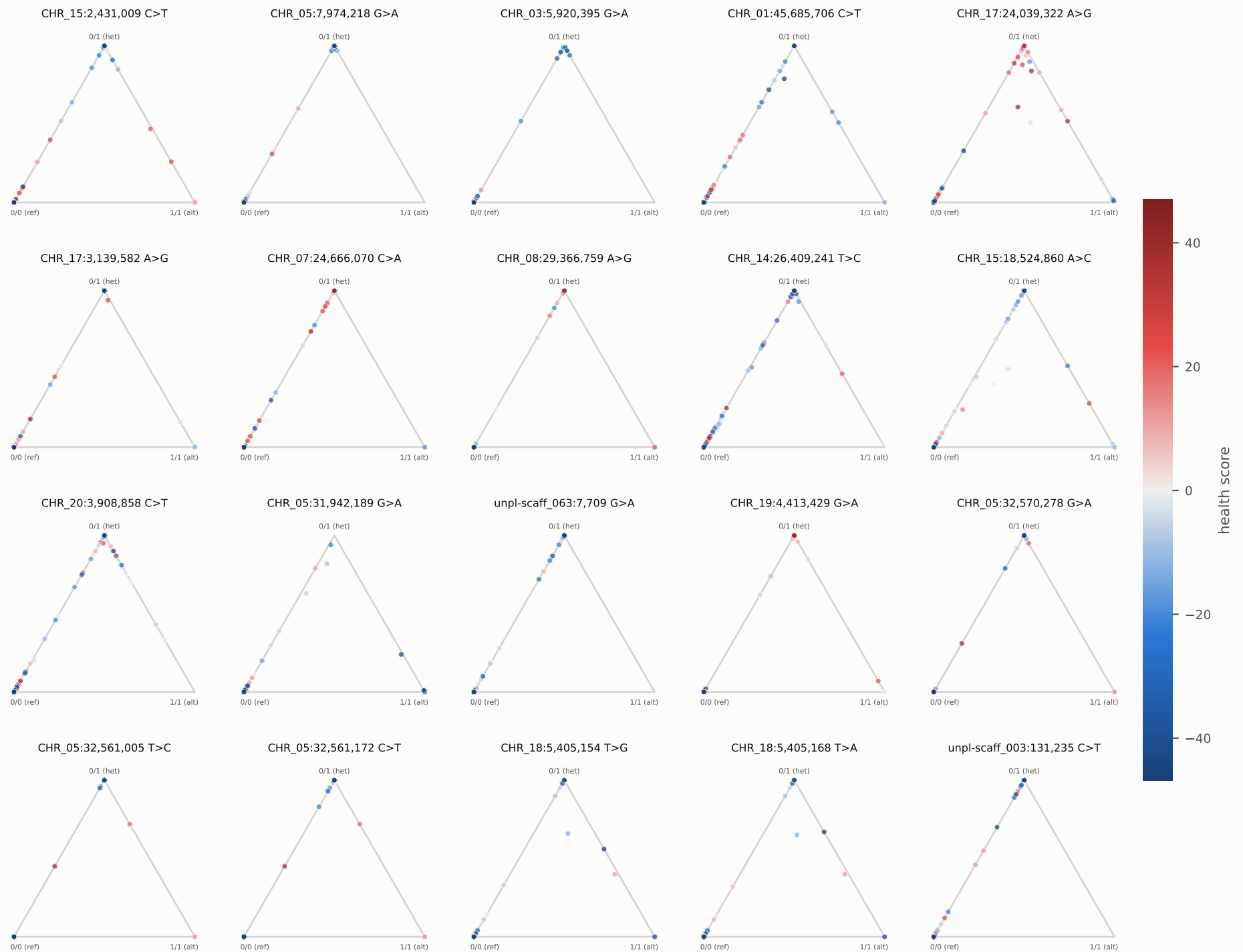
full — top 200 SNPs by cluster health separation (ANOVA F) — overview 6/10



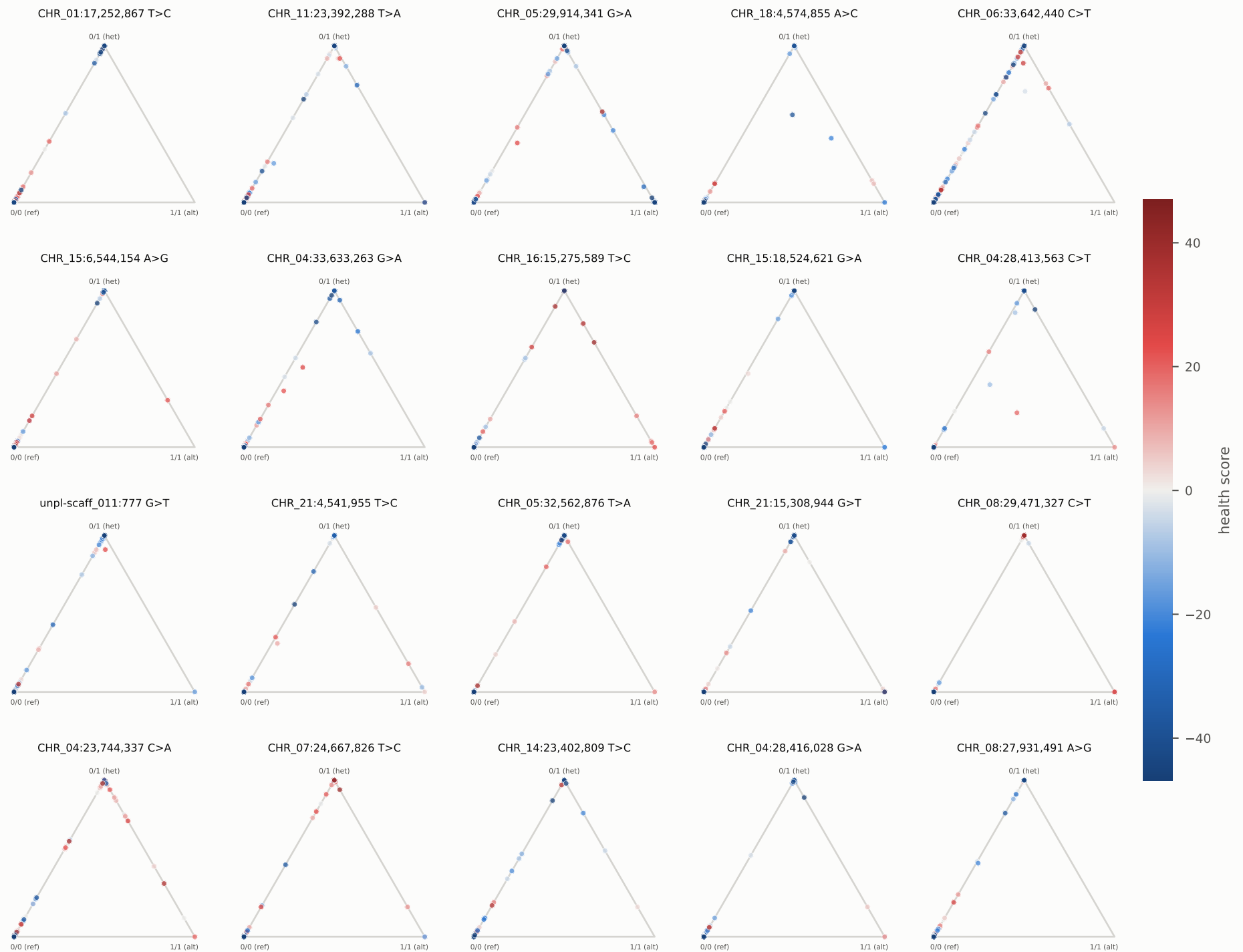
full — top 200 SNPs by cluster health separation (ANOVA F) — overview 7/10



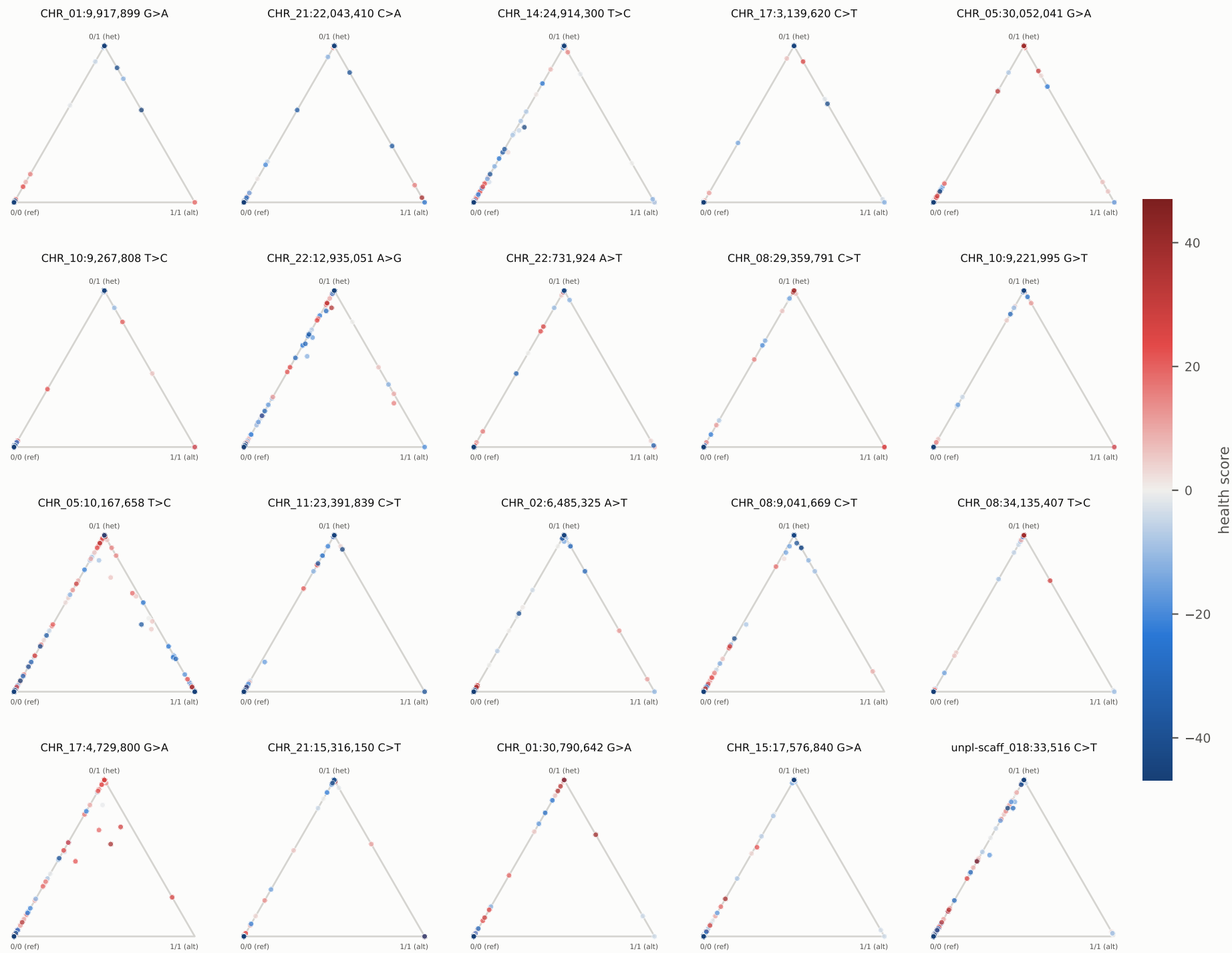
full — top 200 SNPs by cluster health separation (ANOVA F) — overview 8/10



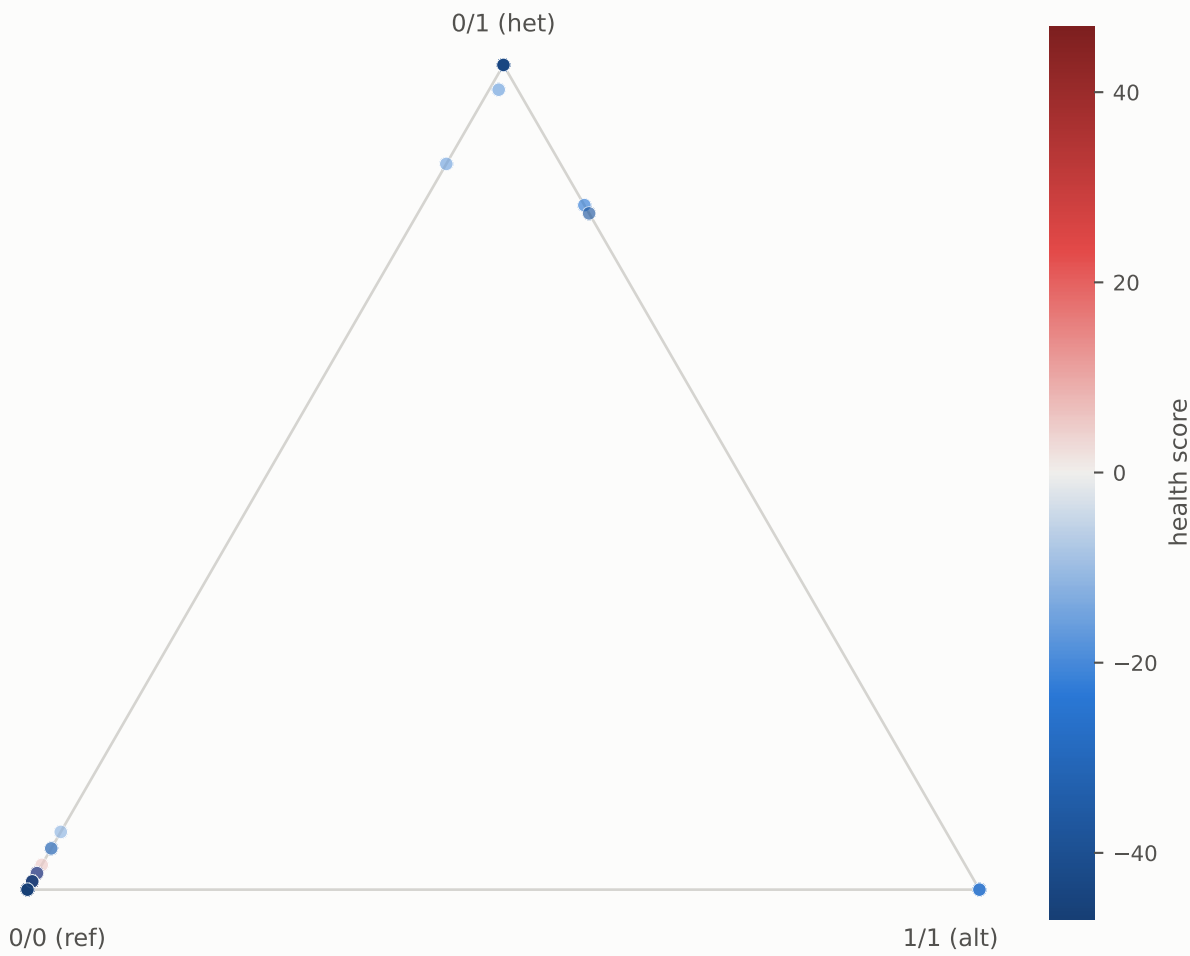
full — top 200 SNPs by cluster health separation (ANOVA F) — overview 9/10



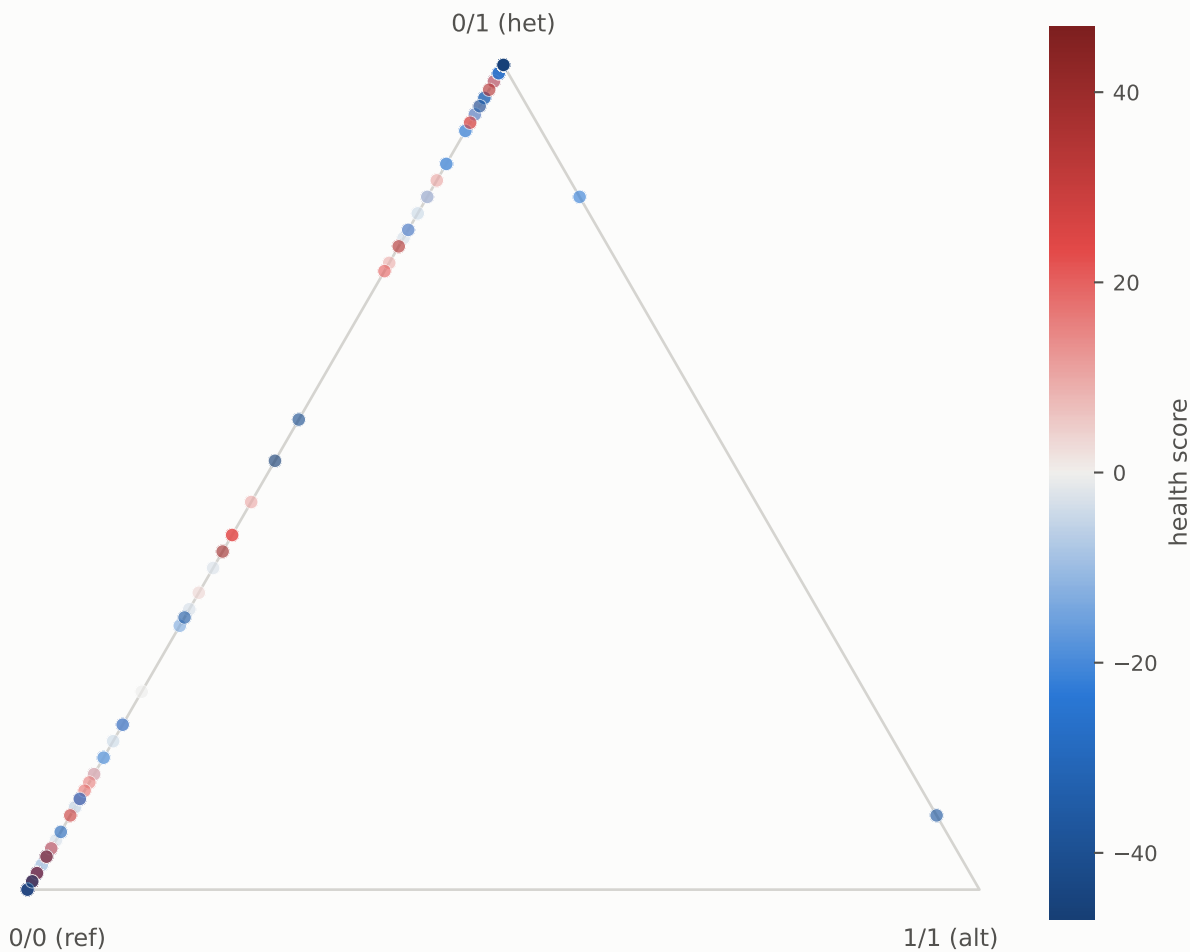
full — top 200 SNPs by cluster health separation (ANOVA F) — overview 10/10



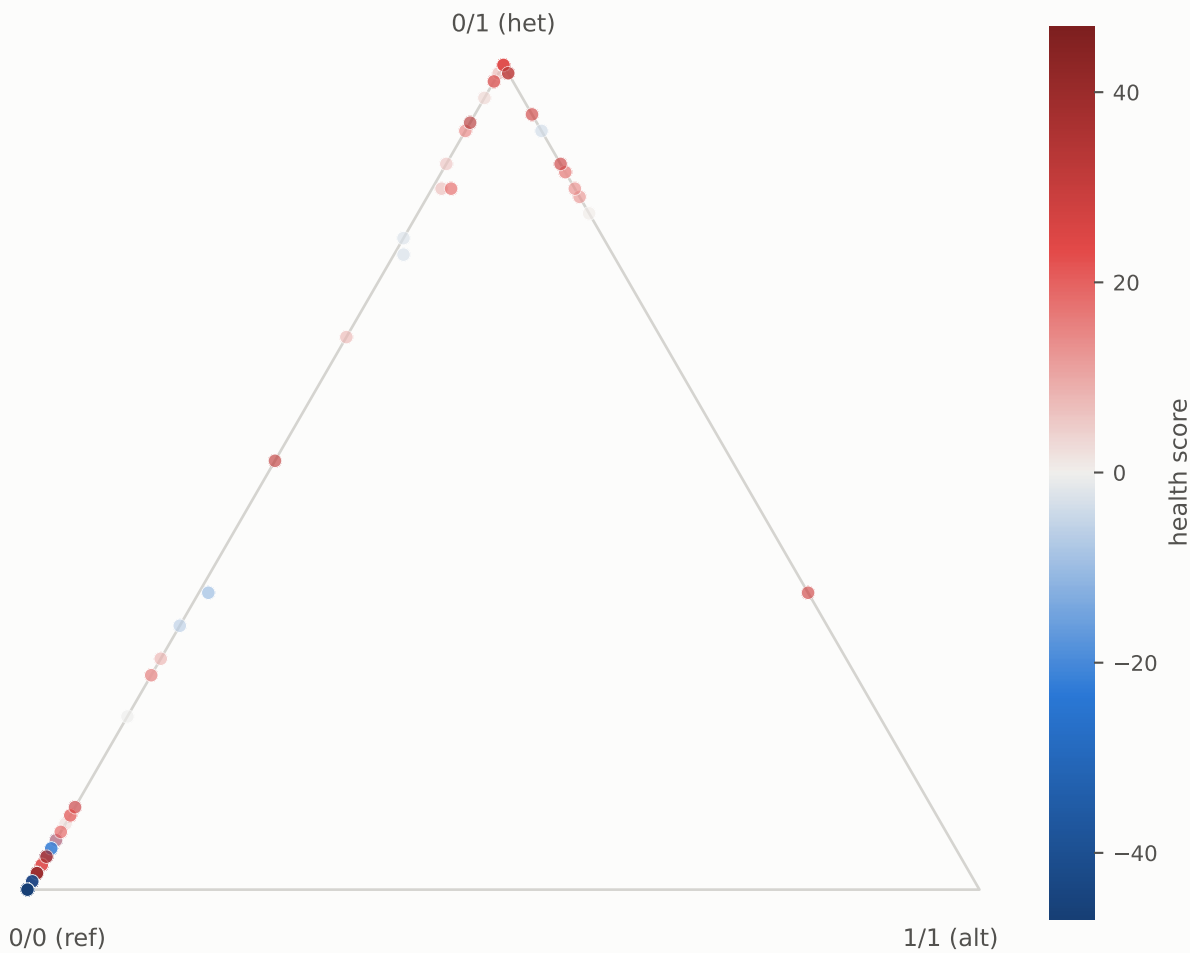
#1 by cluster health separation CHR_21:22,010,469 A>T
AF=0.021 DR2=0.92 r=-0.228 H=0.017 F=23.4



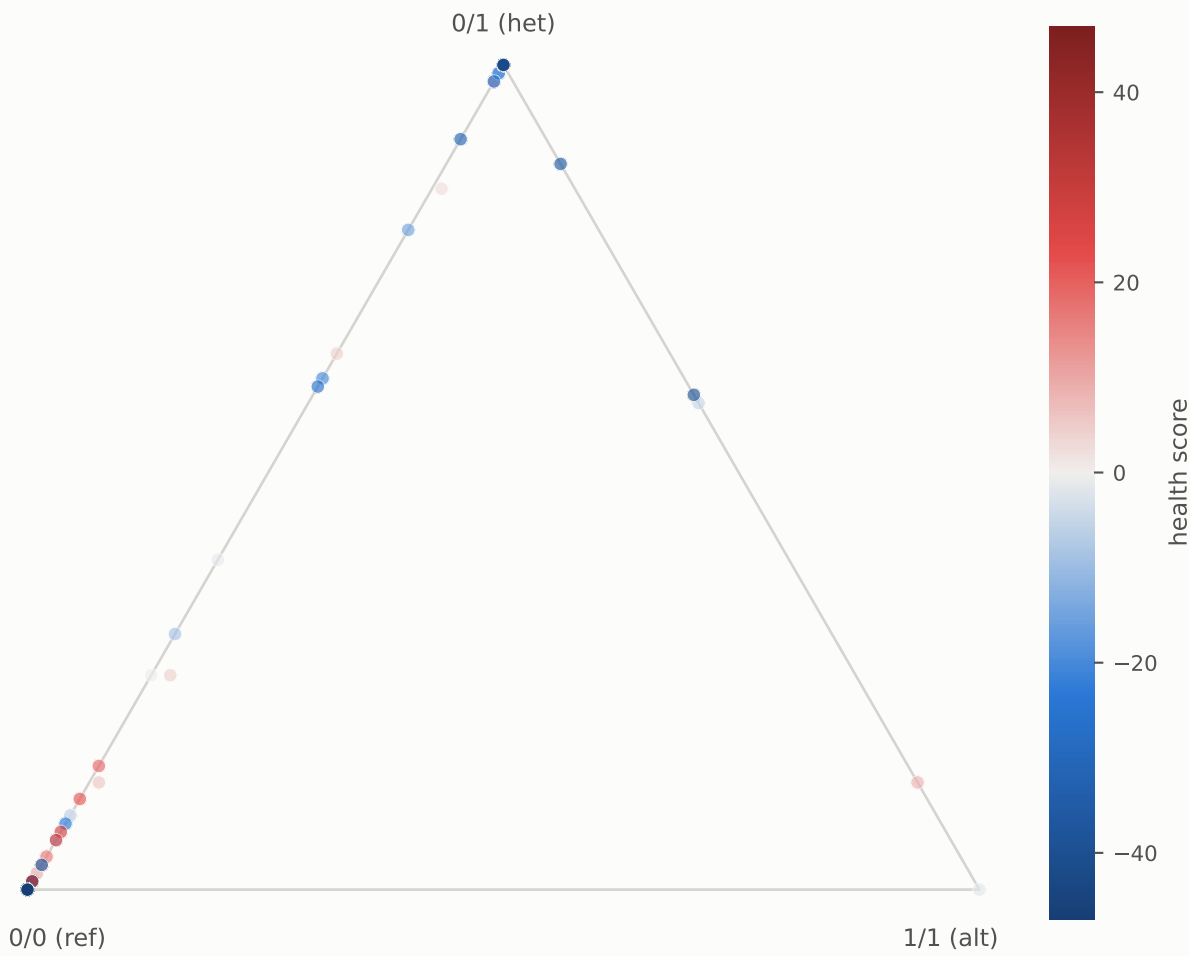
#2 by cluster health separation CHR_09:6,441,534 G>T
AF=0.19 DR2=0.91 r=-0.226 H=0.070 F=22.7



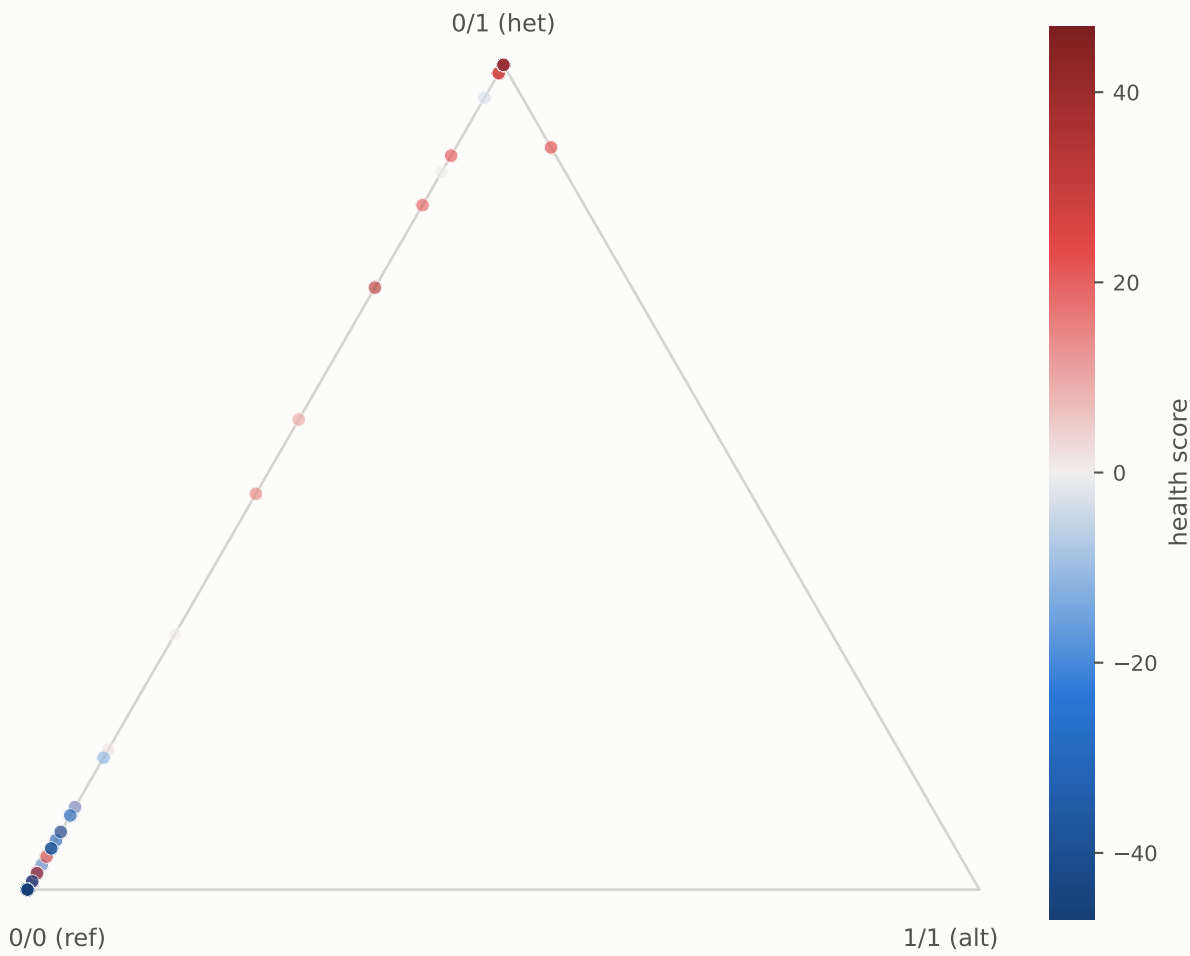
#3 by cluster health separation CHR_21:23,436,764 C>T
AF=0.028 DR2=0.81 $r=+0.233$ $\bar{H}=0.052$ F=22.1



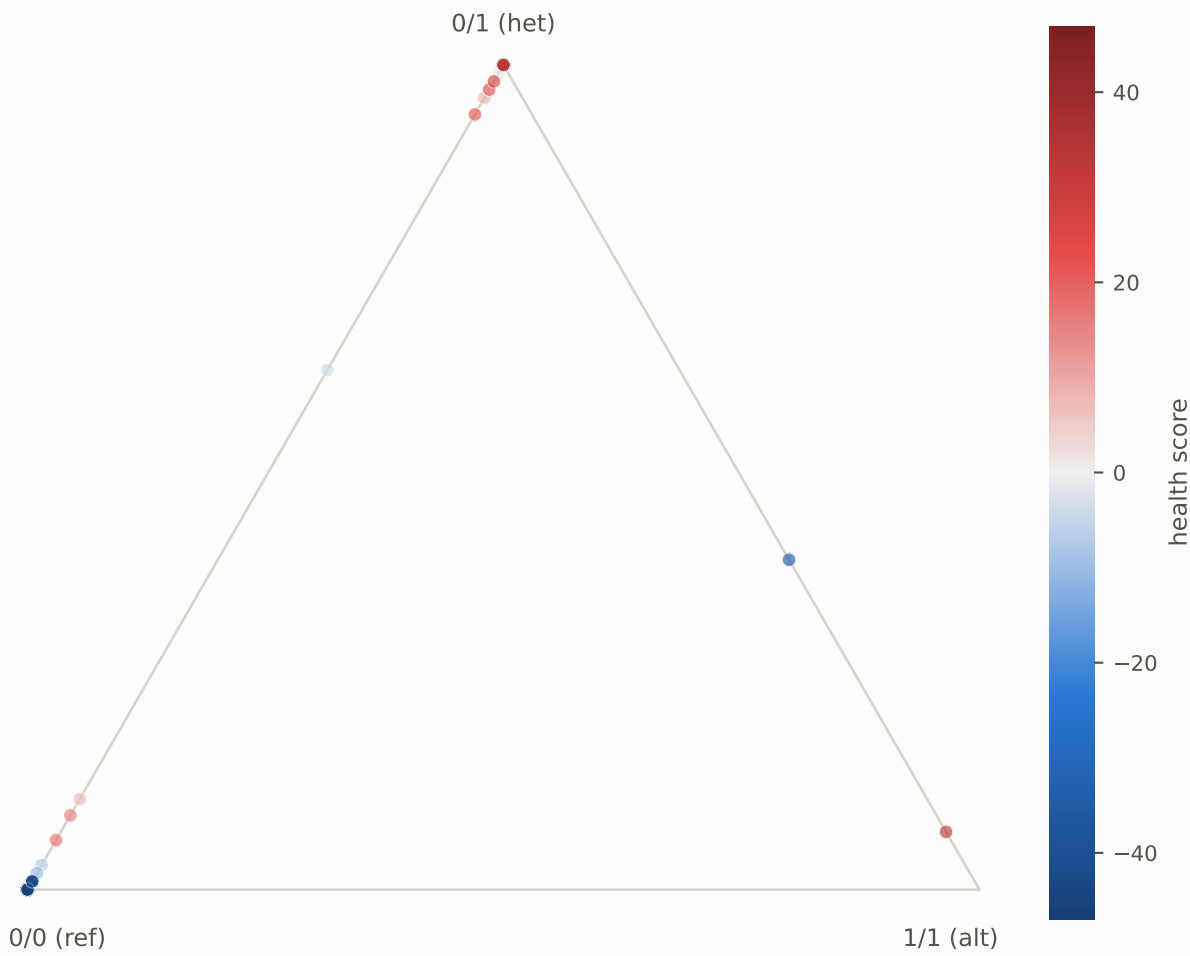
#4 by cluster health separation CHR_22:14,271,255 C>T
AF=0.056 DR2=0.93 r=-0.192 H=0.027 F=21.8



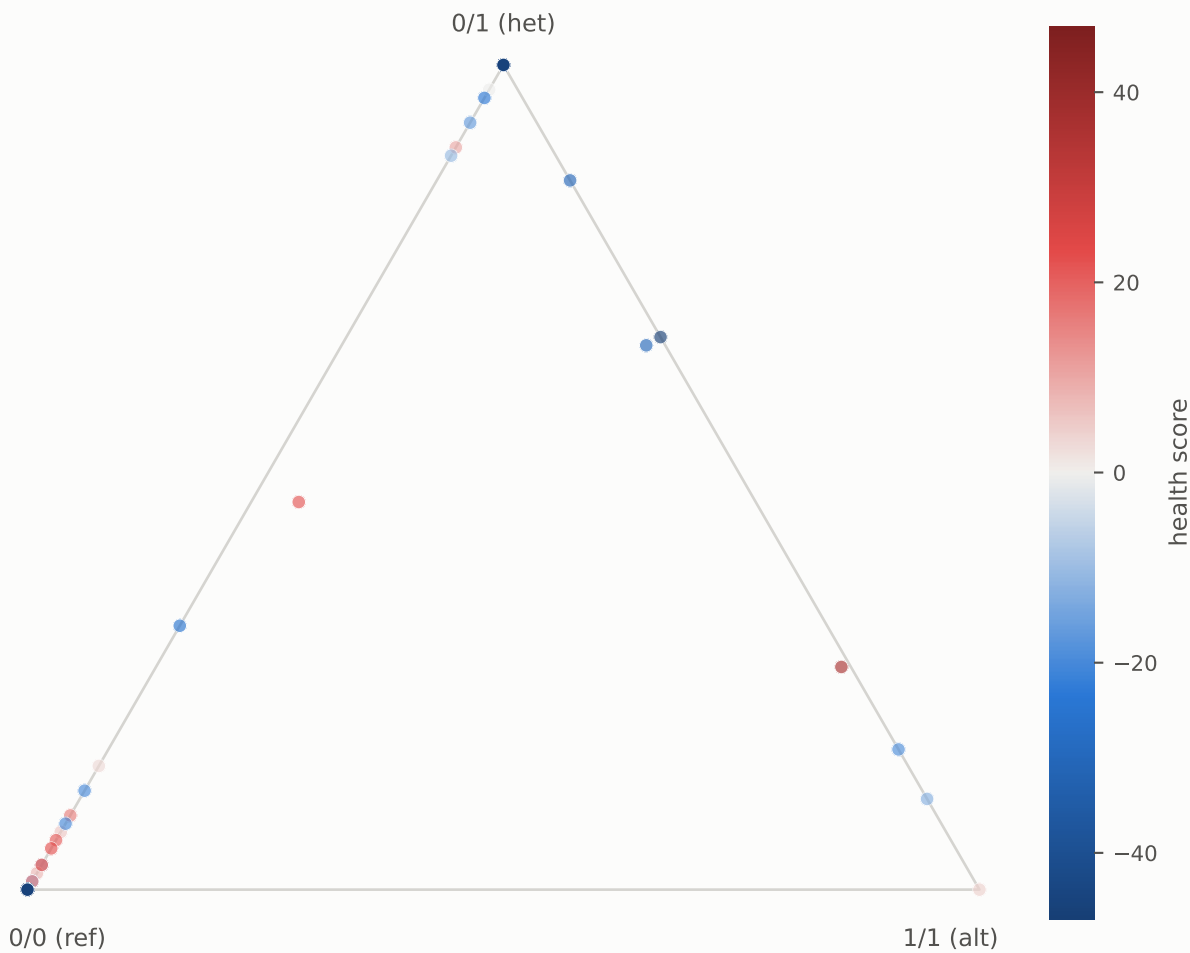
#5 by cluster health separation CHR_15:20,213,973 A>G
AF=0.051 DR2=0.92 $r=+0.211$ $\bar{H}=0.026$ F=21.8



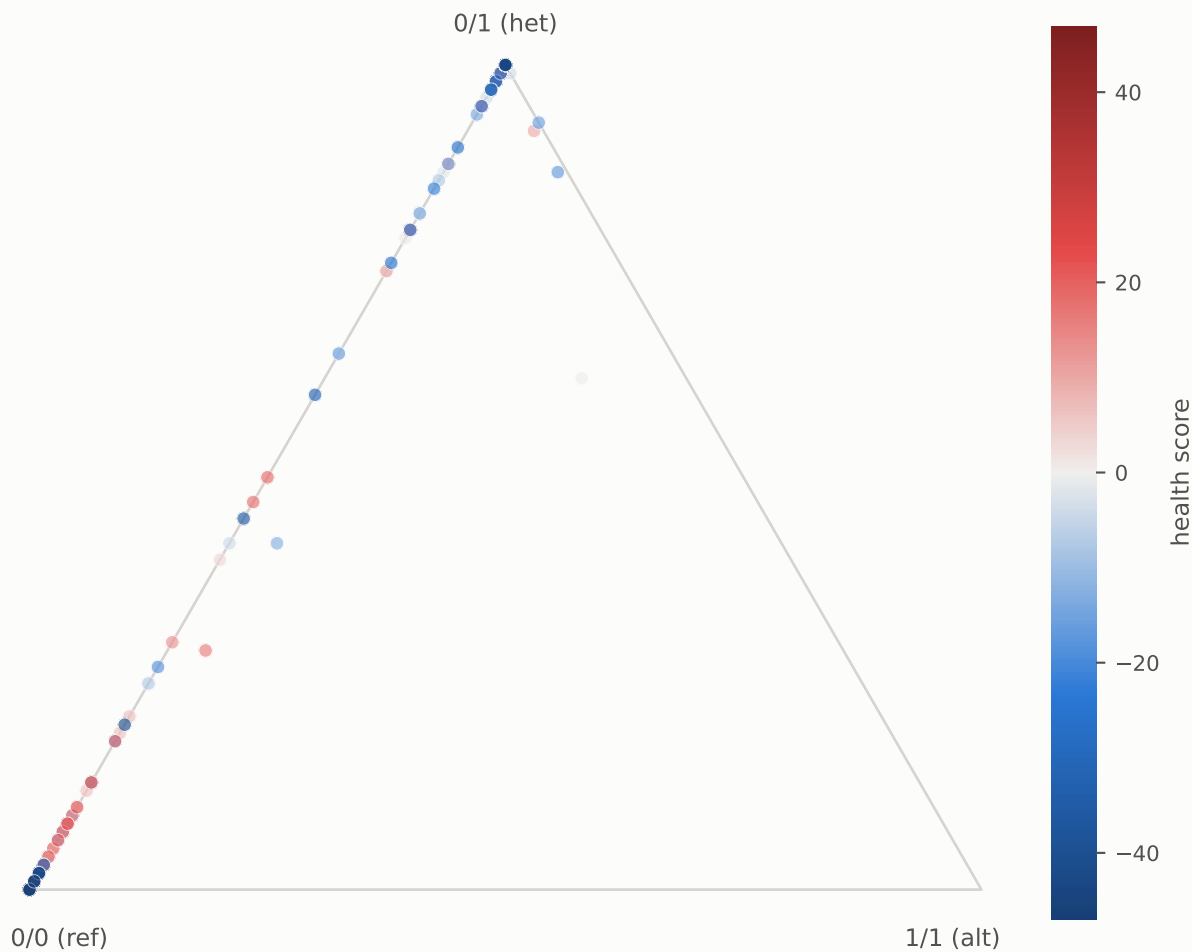
#6 by cluster health separation CHR_16:6,846,077 C>A
AF=0.048 DR2=0.97 r=+0.203 H=0.009 F=21.6



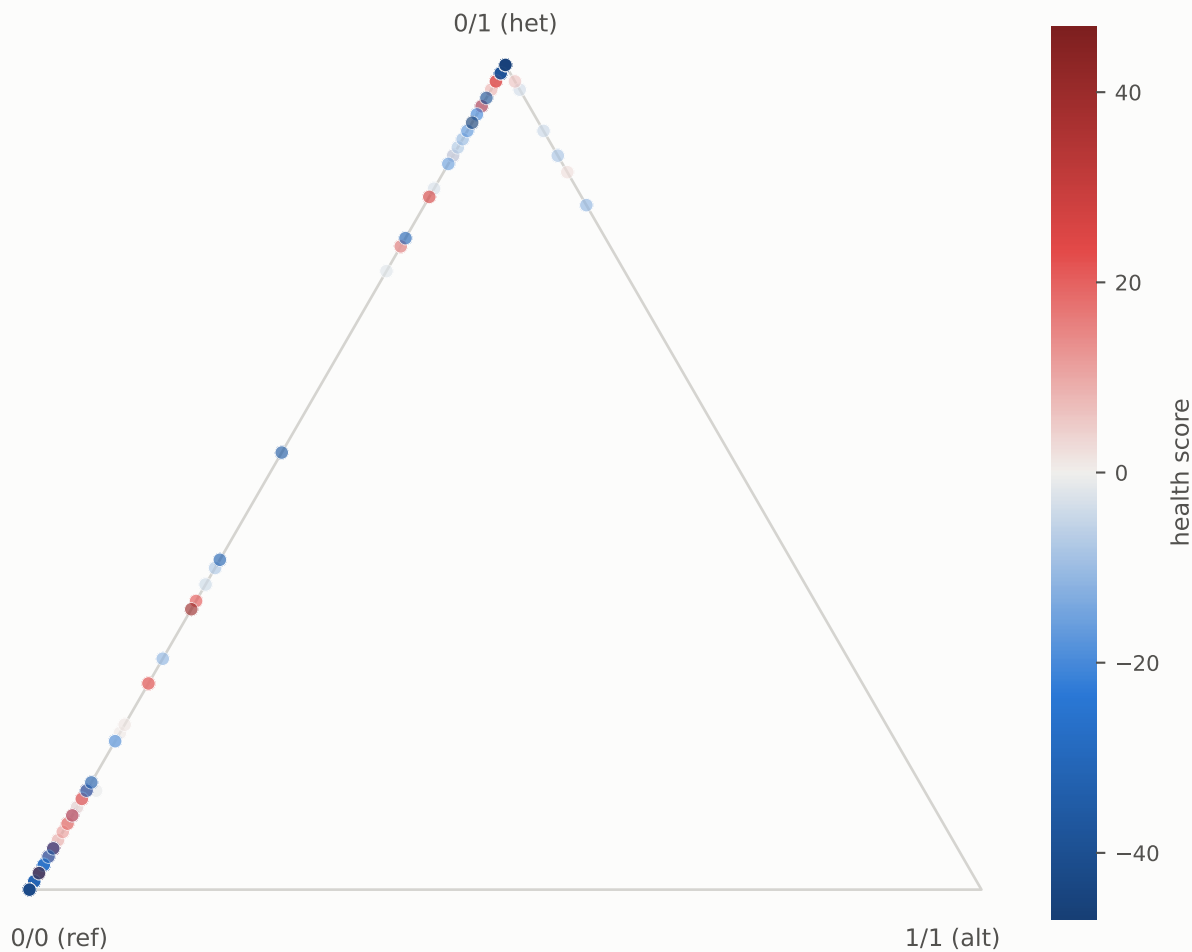
#7 by cluster health separation CHR_19:4,343,377 G>T
AF=0.053 DR2=0.93 r=-0.180 H=0.019 F=21.4



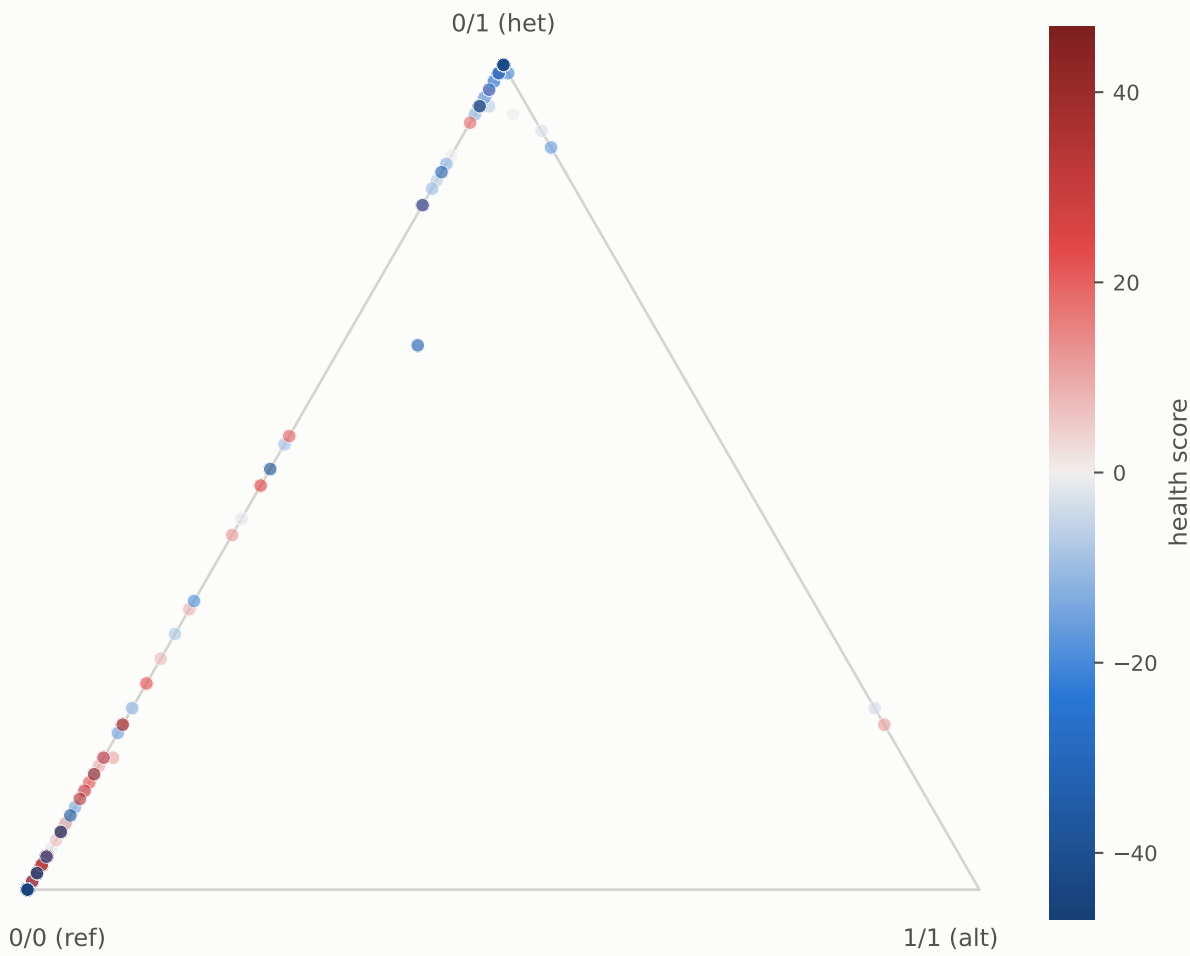
#8 by cluster health separation CHR_10:9,826,829 T>C
AF=0.11 DR2=0.87 r=-0.210 H=0.073 F=21.2



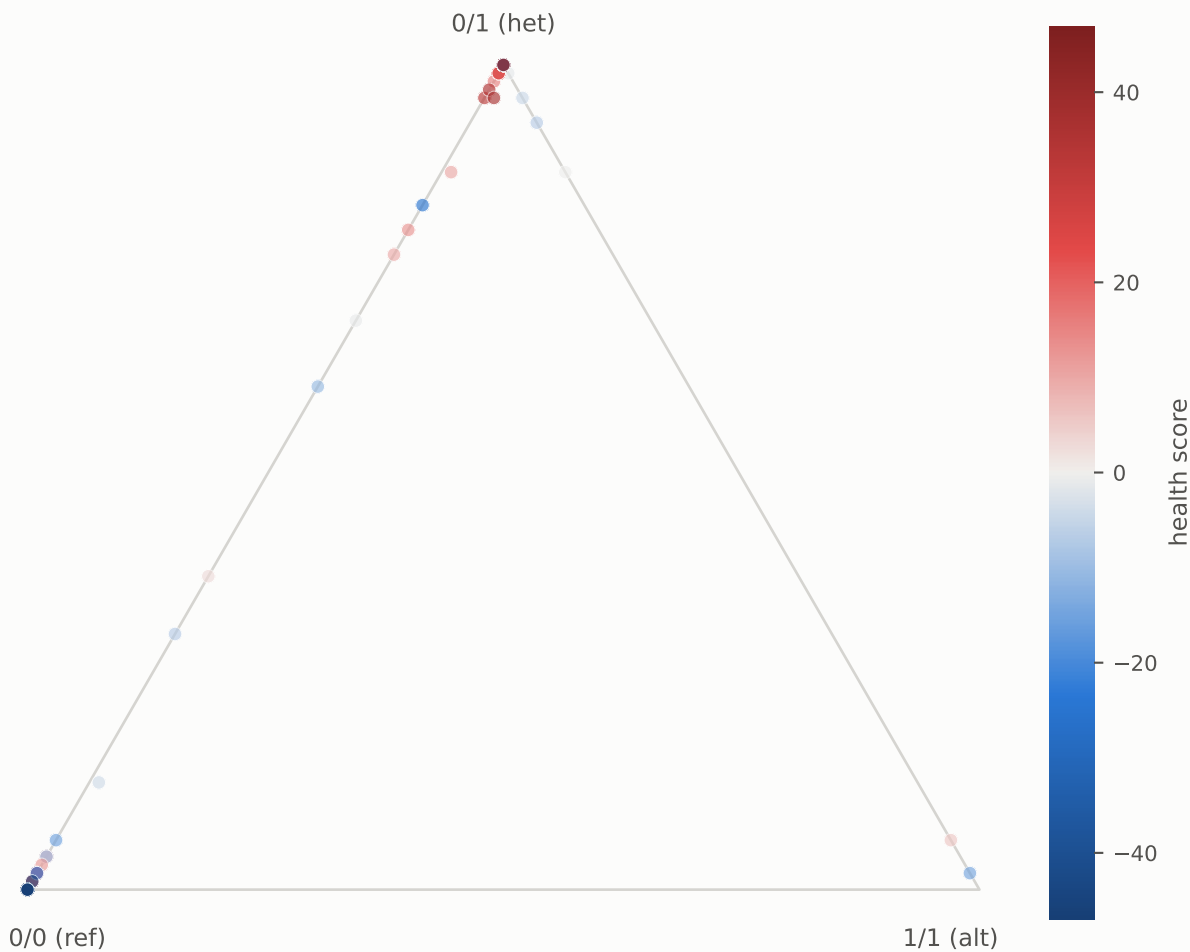
#9 by cluster health separation CHR_01:4,796,694 T>C
AF=0.073 DR2=0.83 r=-0.212 H=0.067 F=21.2



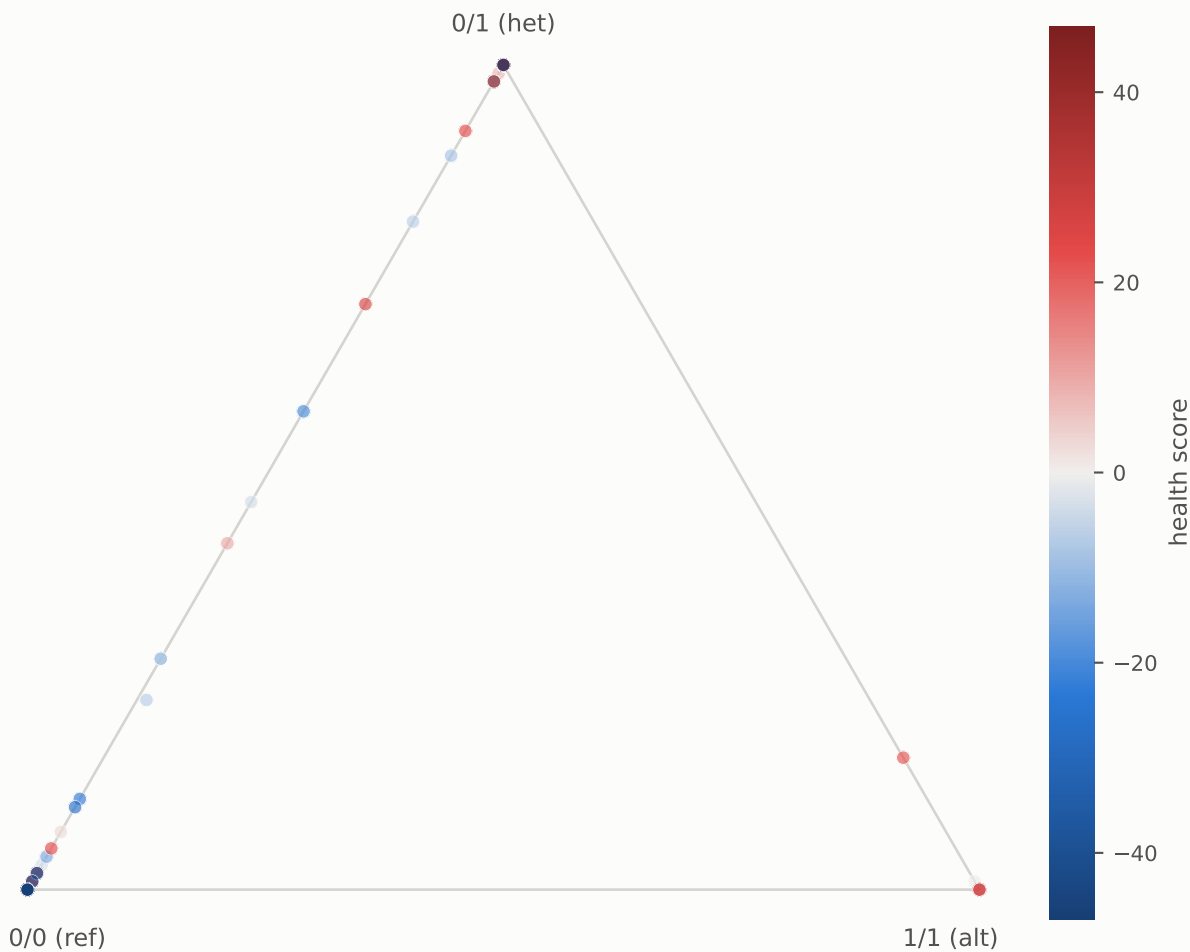
#10 by cluster health separation unpl-scaff_074:8,160 A>G
AF=0.094 DR2=0.88 $r=-0.186$ $H=0.066$ $F=21.1$



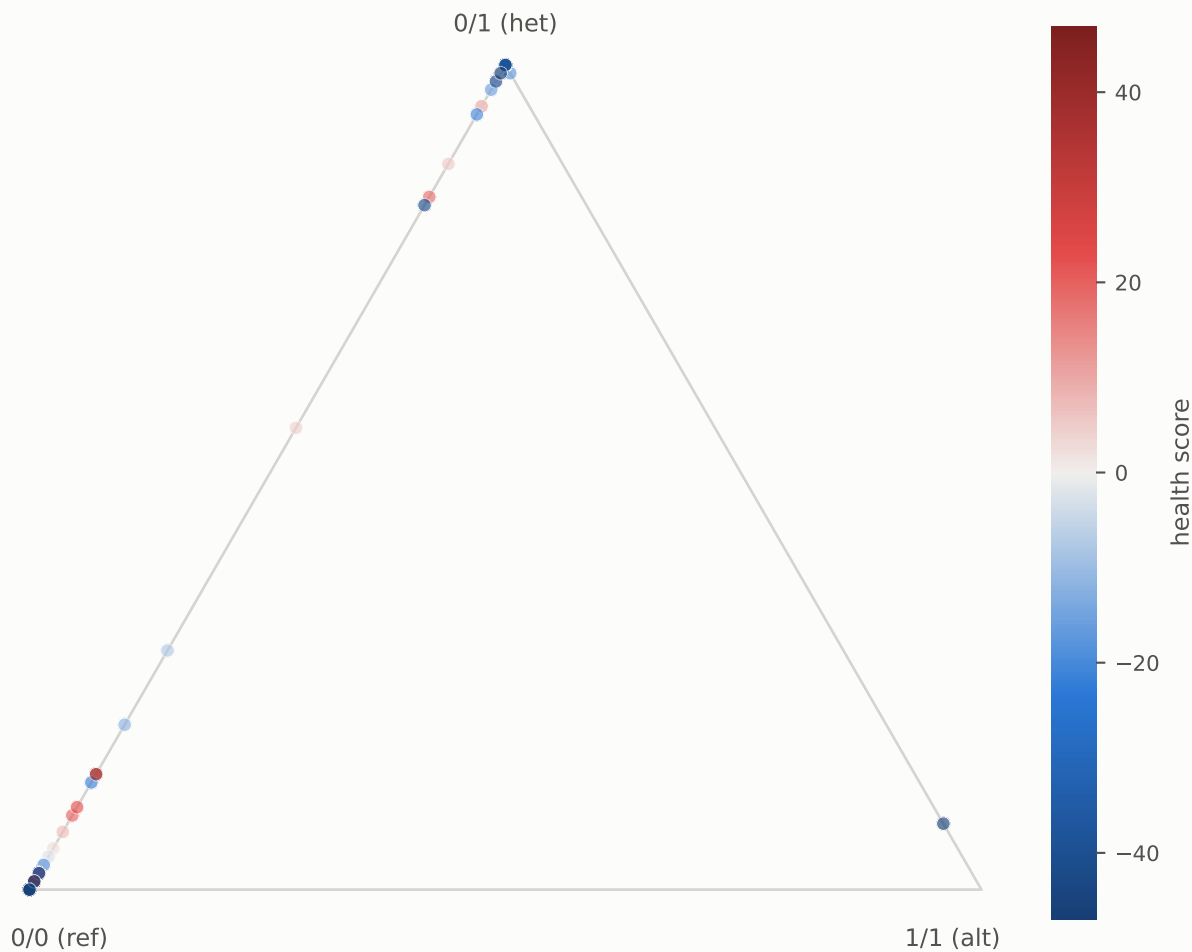
#11 by cluster health separation CHR_14:16,969,663 G>A
AF=0.093 DR2=0.96 $r=+0.198$ $\bar{H}=0.019$ F=20.9



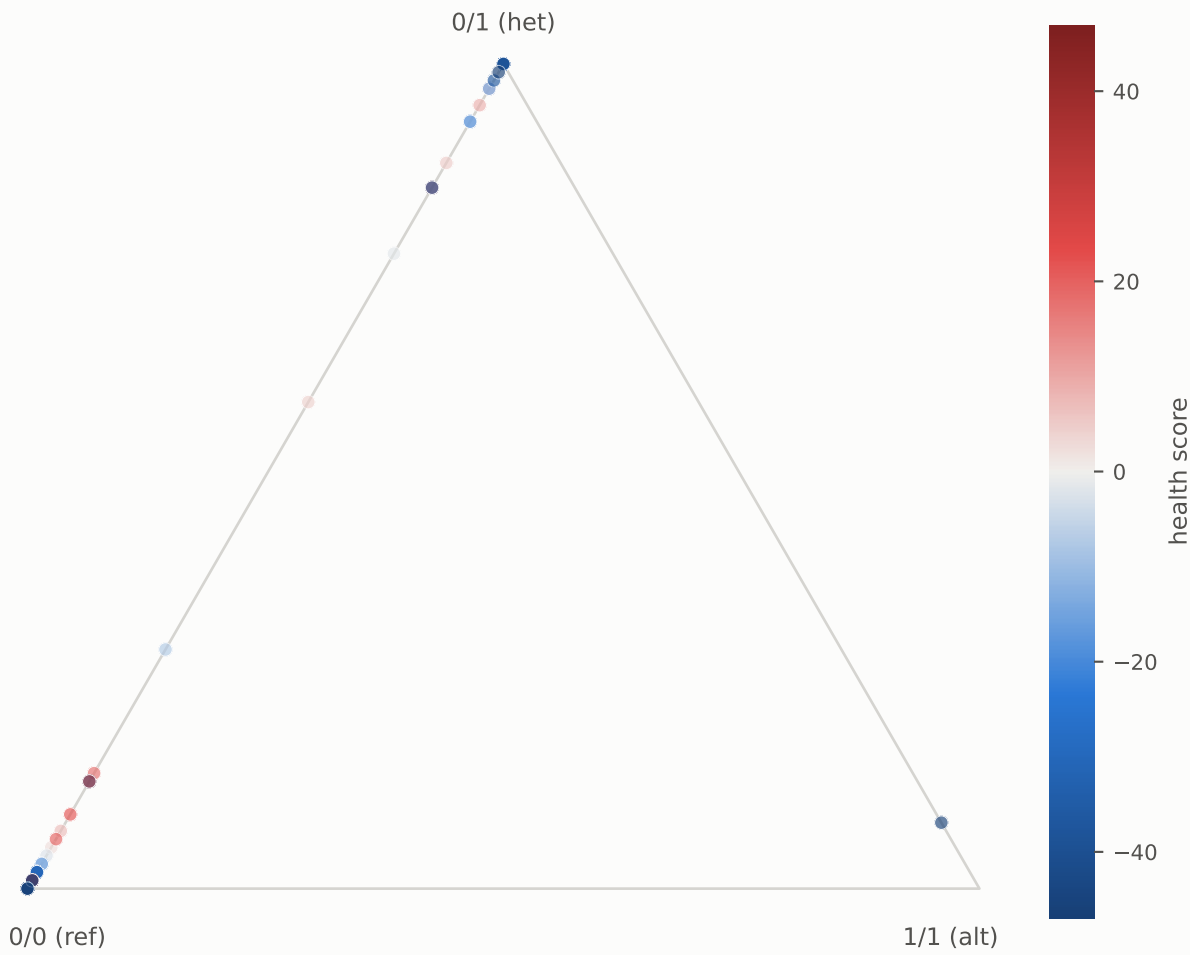
#12 by cluster health separation CHR_04:41,247,752 G>T
AF=0.072 DR2=0.95 r=+0.235 H=0.019 F=20.6



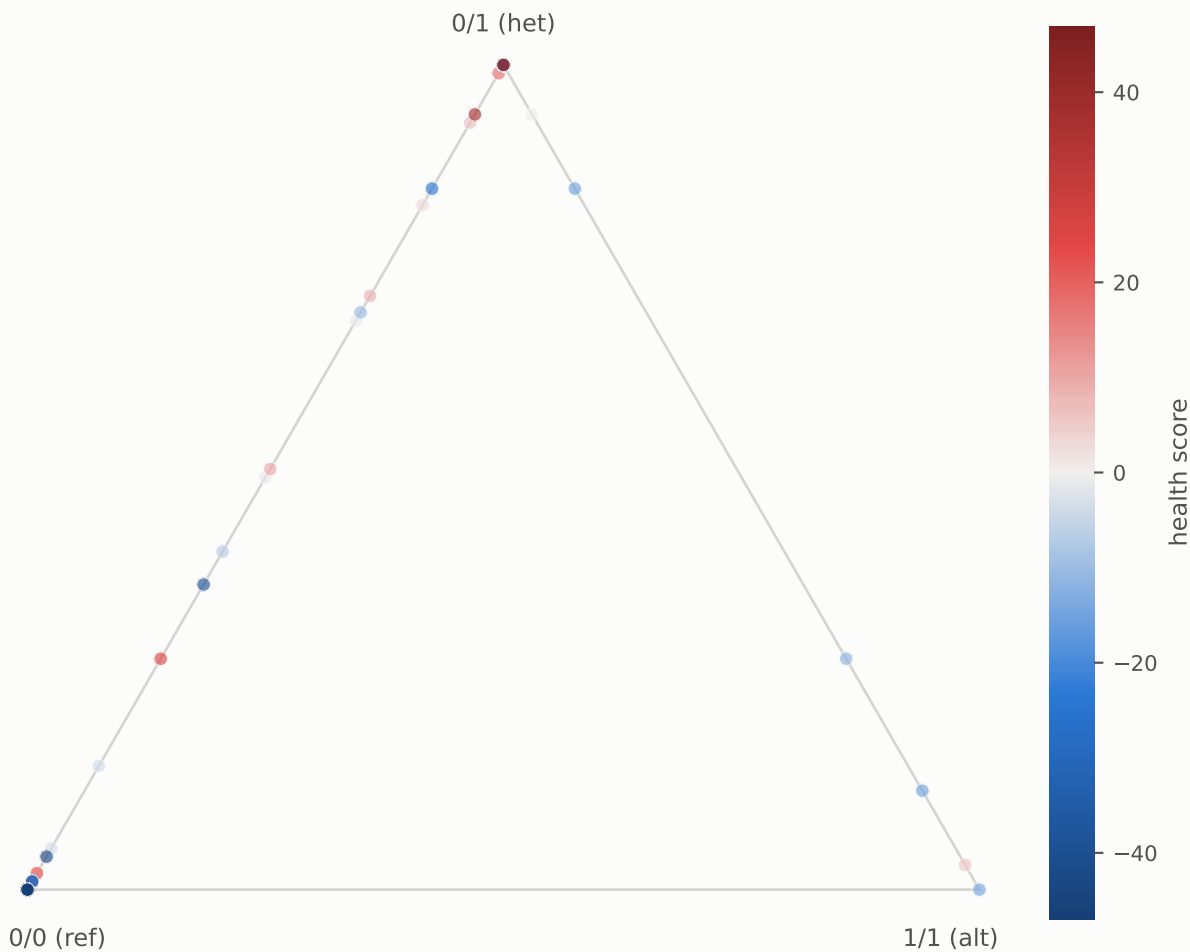
#13 by cluster health separation unpl-scaff_124:19,760 G>C
AF=0.048 DR2=0.93 r=-0.236 H=0.023 F=20.5



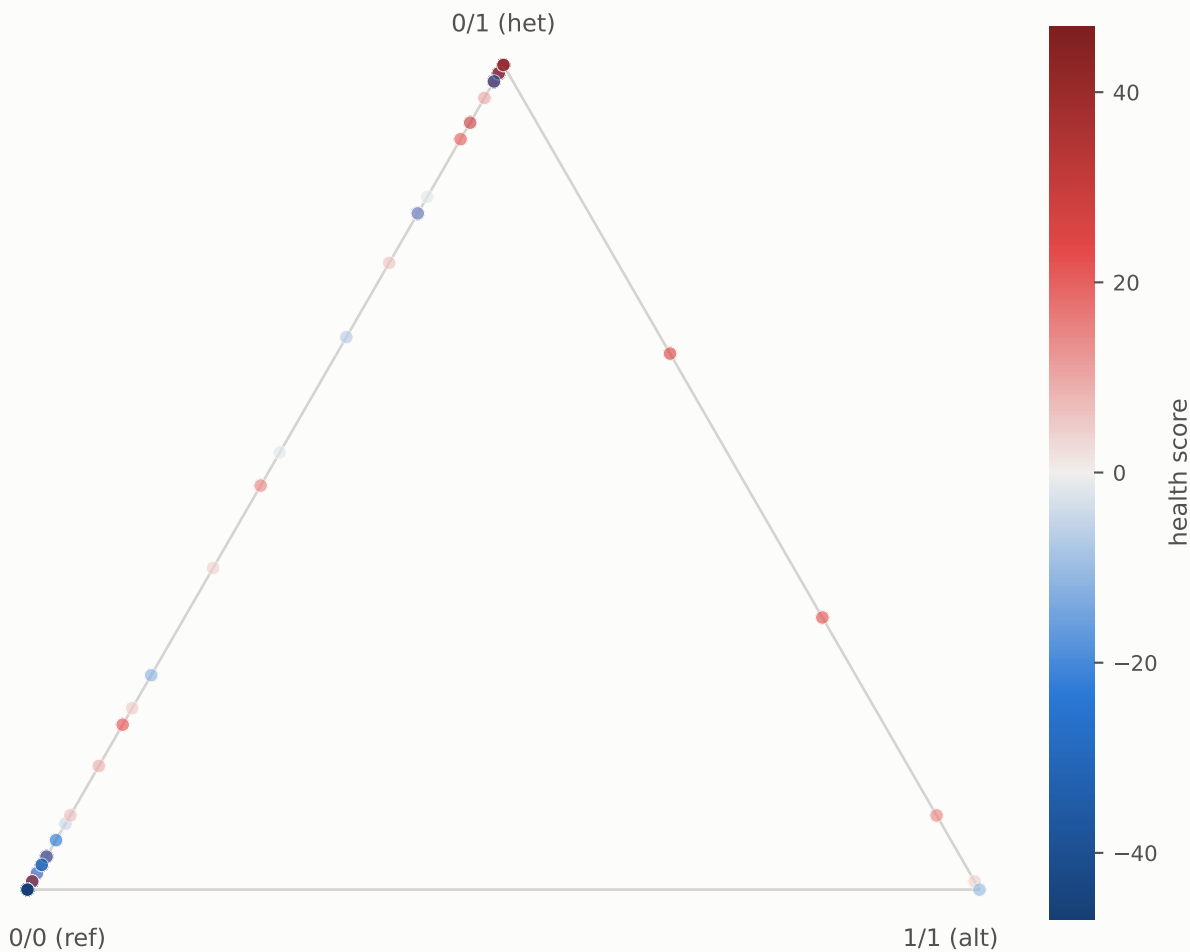
#14 by cluster health separation unpl-scaff_124:19,738 C>T
AF=0.047 DR2=0.93 r=-0.237 H=0.023 F=20.5



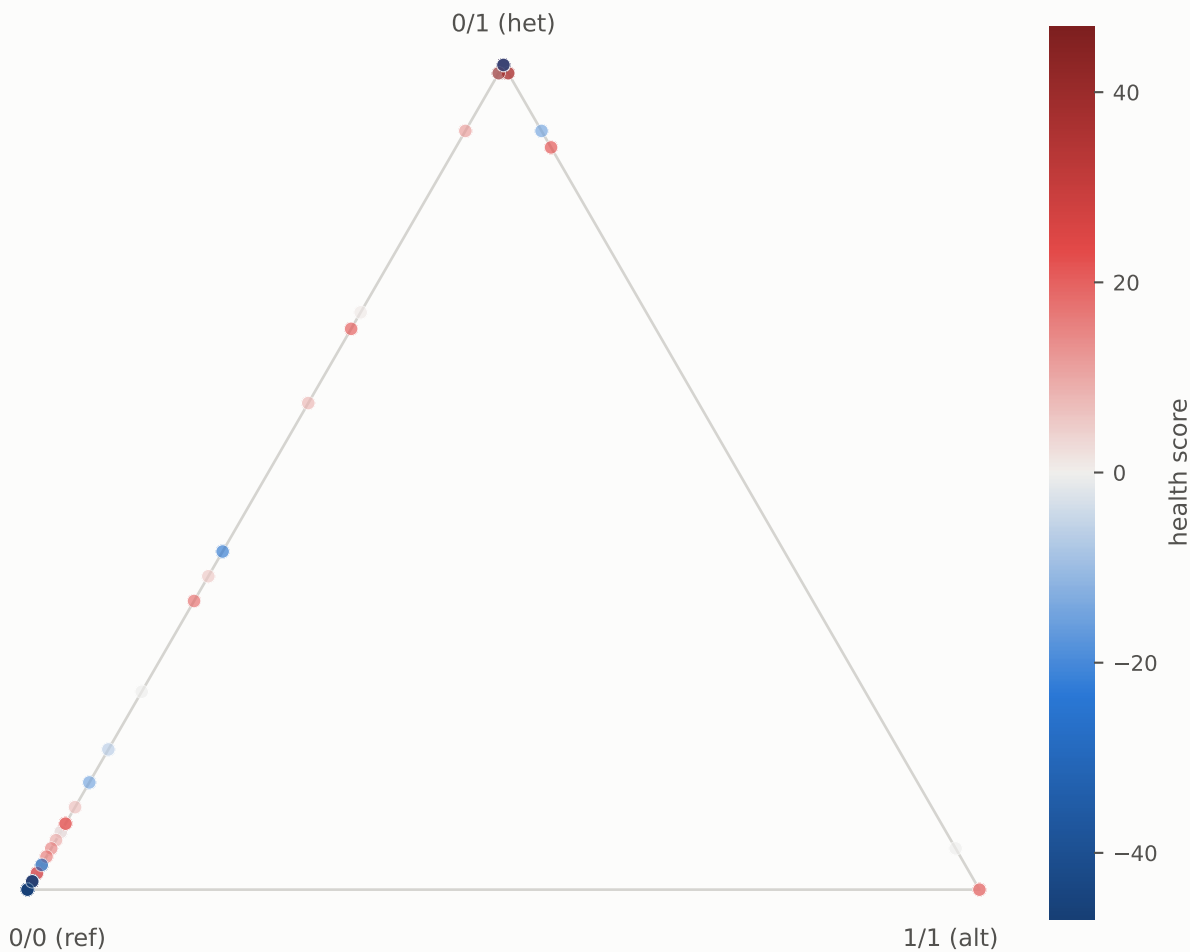
#15 by cluster health separation CHR_14:16,968,567 G>A
AF=0.095 DR2=0.96 r=+0.171 H=0.022 F=20.2



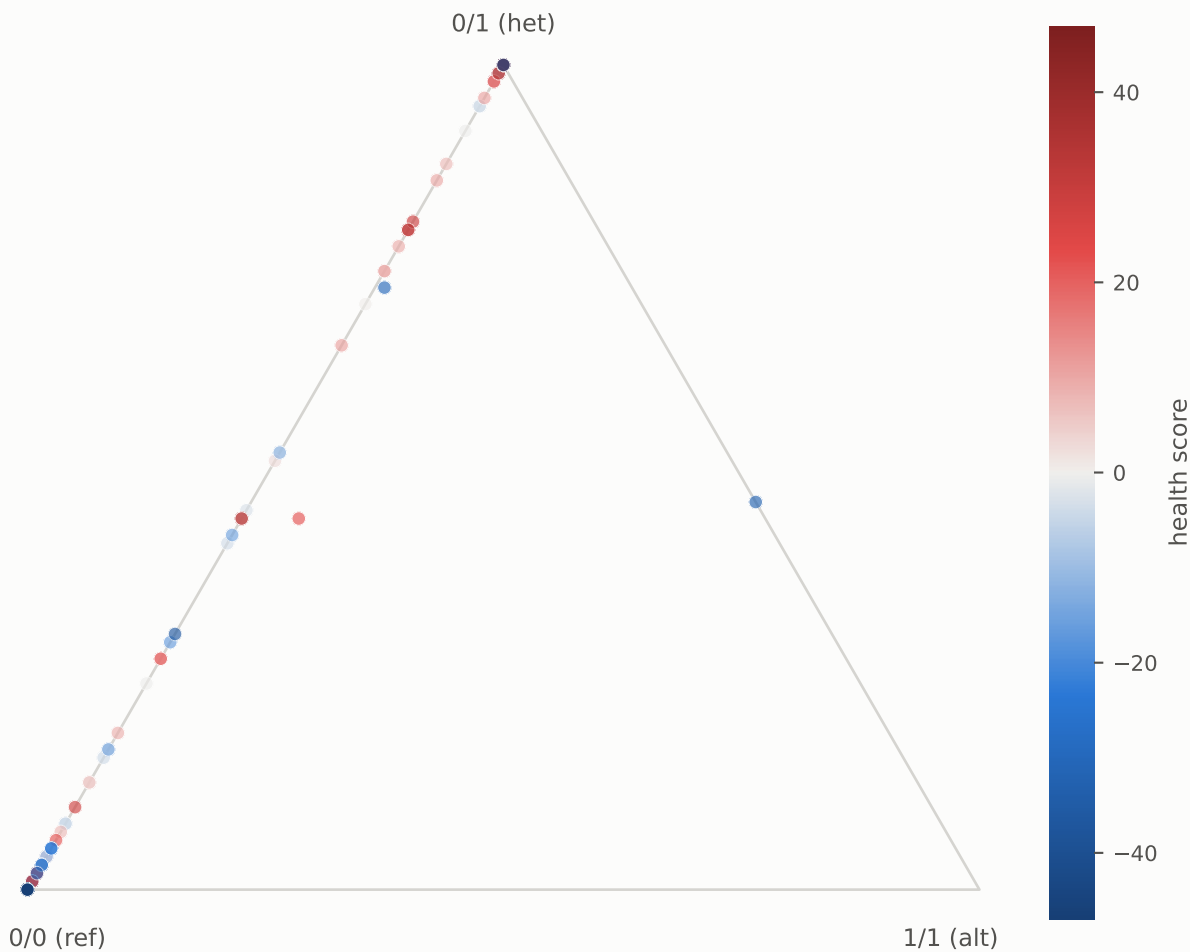
#16 by cluster health separation CHR_05:25,037,443 C>T
AF=0.14 DR2=0.96 r=+0.215 H=0.028 F=20.2



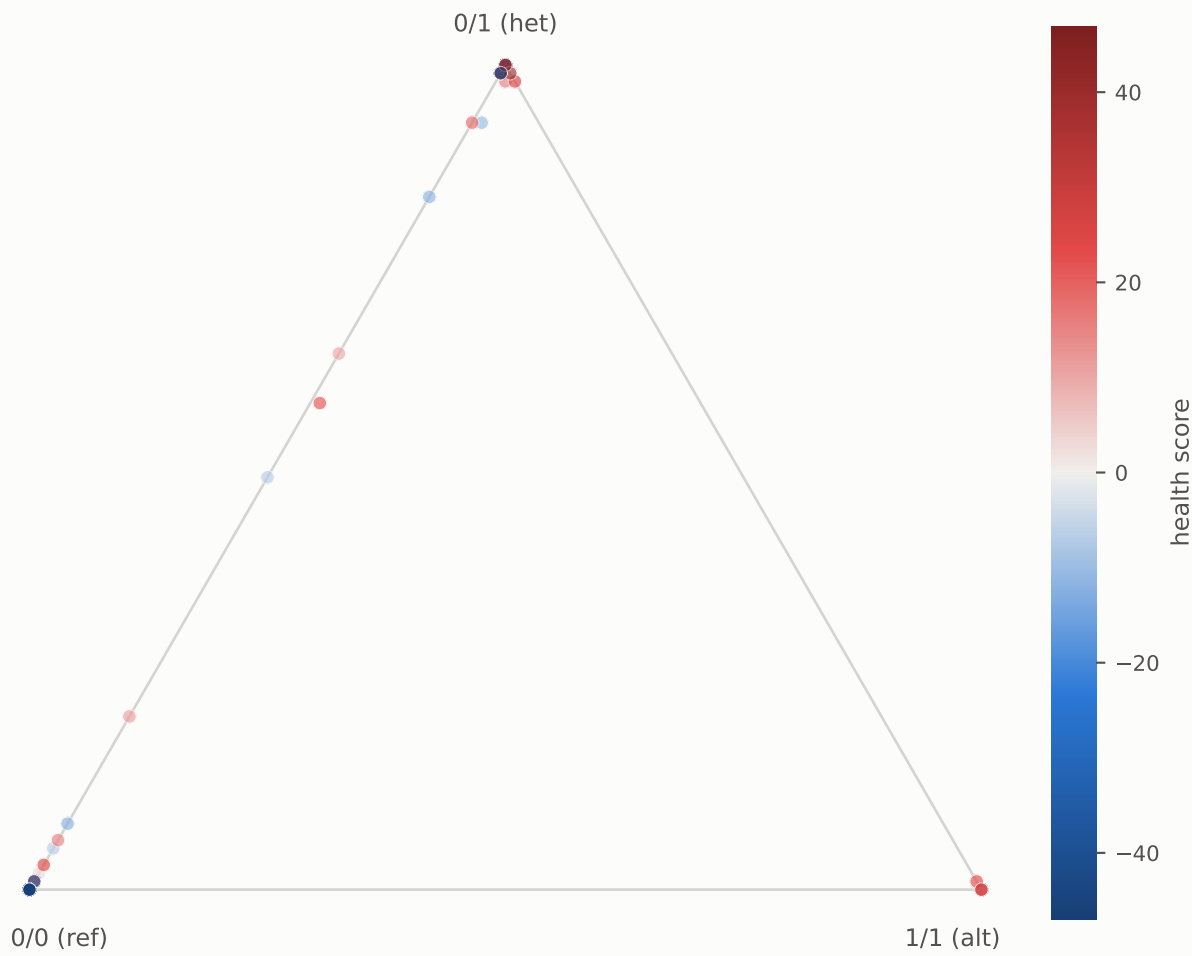
#17 by cluster health separation CHR_19:6,540,365 T>G
AF=0.086 DR2=0.94 $r=+0.207$ $H=0.023$ $F=20.1$



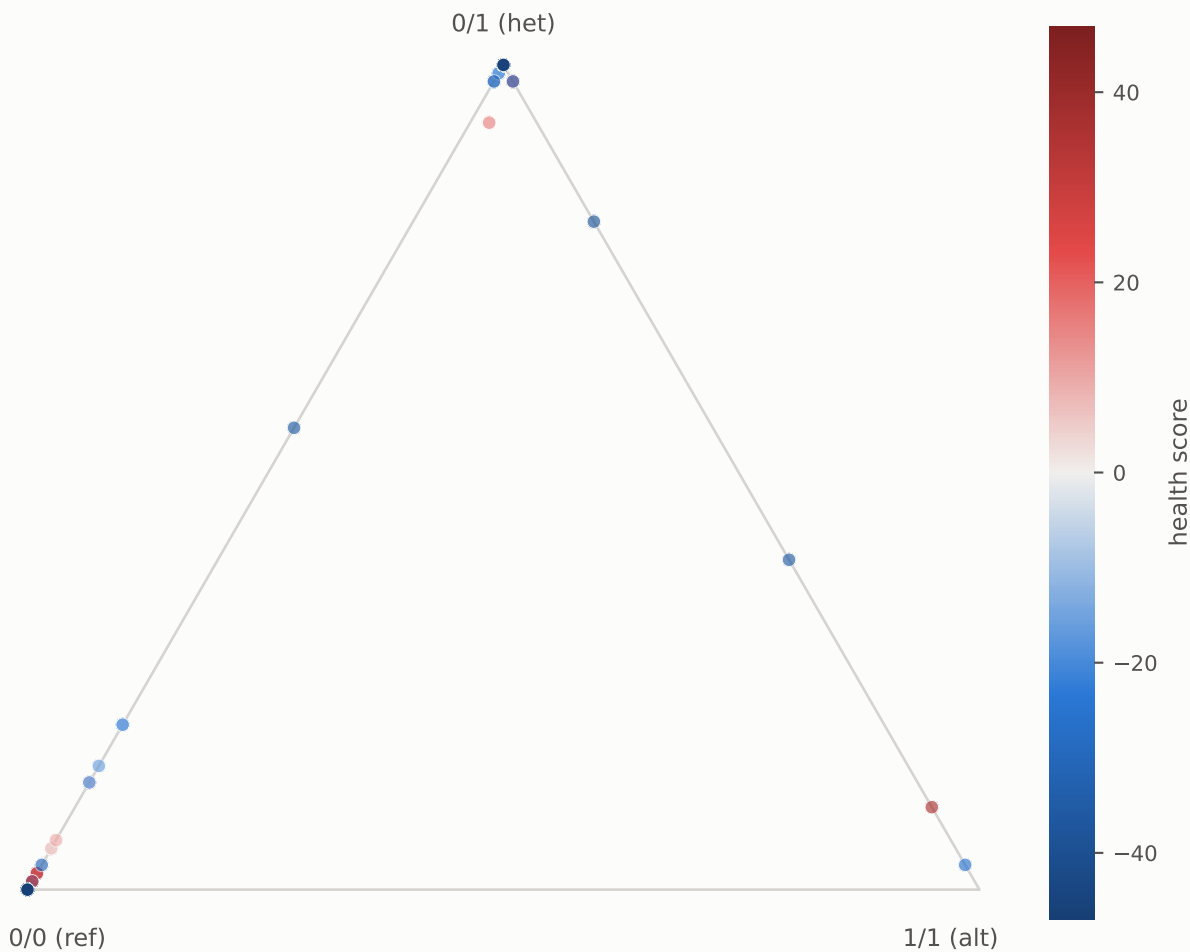
#18 by cluster health separation CHR_04:16,688,259 G>T
AF=0.091 DR2=0.88 $r=+0.198$ $\bar{H}=0.054$ F=20.0



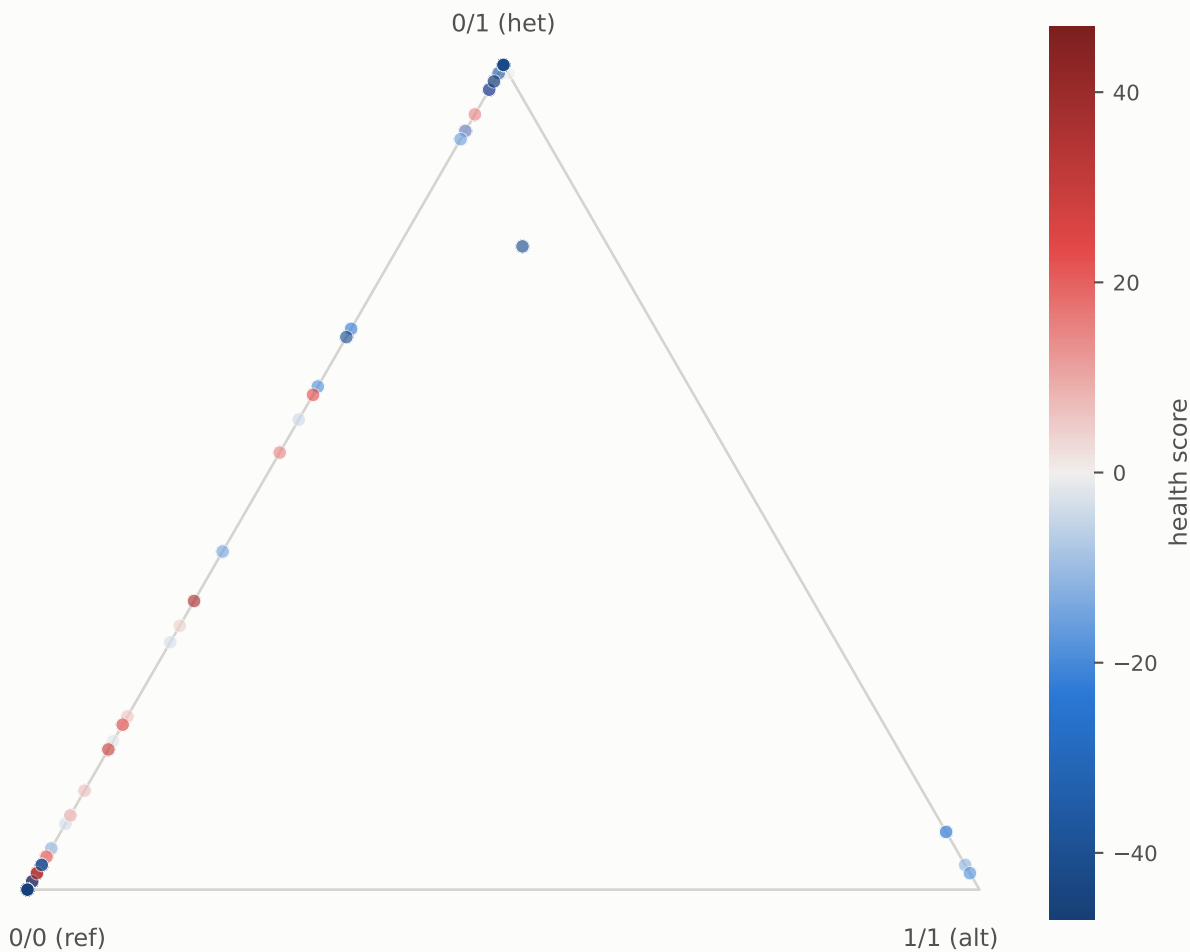
#19 by cluster health separation CHR_04:41,241,237 T>A
AF=0.078 DR2=0.97 $r=+0.230$ $H=0.013$ $F=19.8$



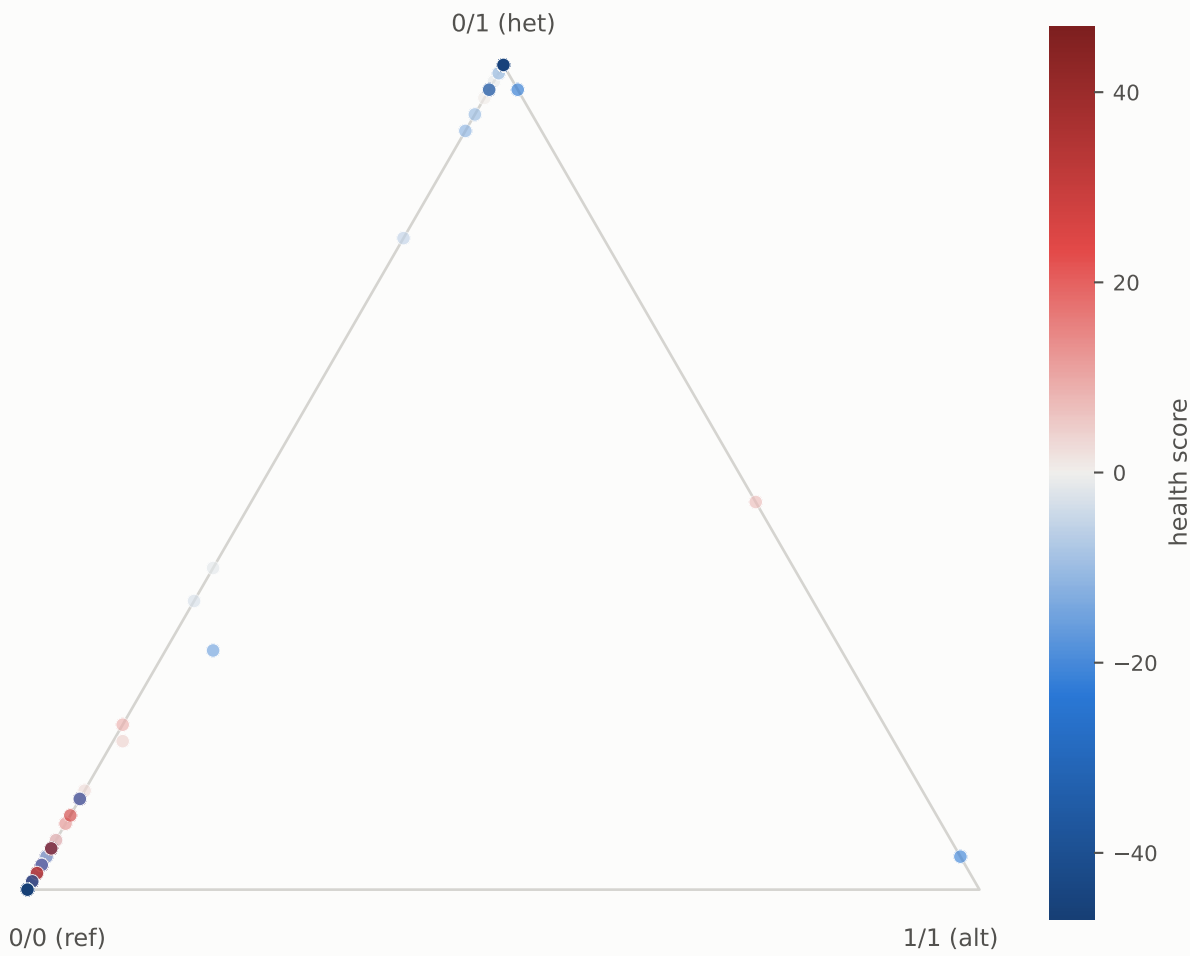
#20 by cluster health separation CHR_21:22,043,887 G>T
AF=0.035 DR2=0.92 r=-0.191 H=0.020 F=19.7



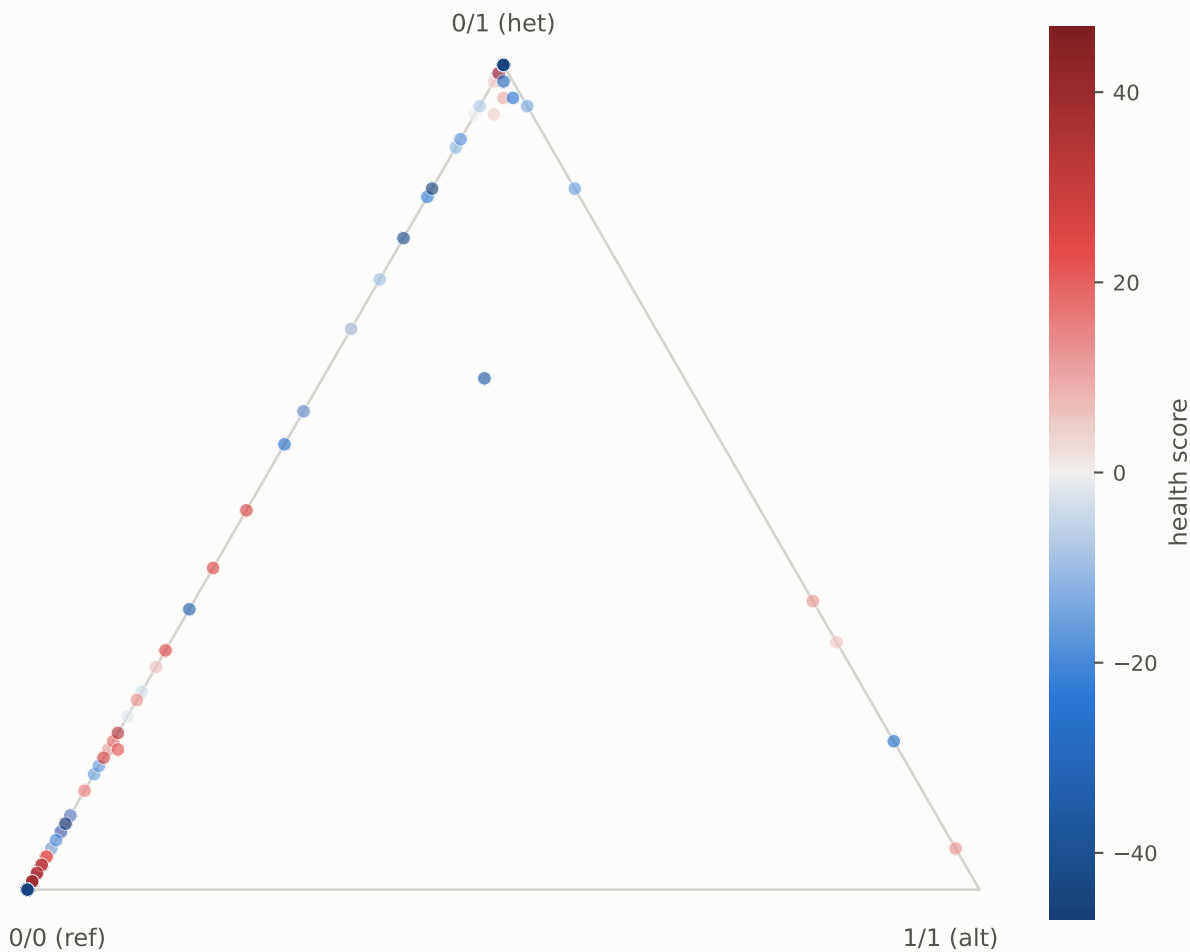
#21 by cluster health separation CHR_01:32,247,685 C>T
AF=0.073 DR2=0.92 r=-0.211 H=0.041 F=19.7



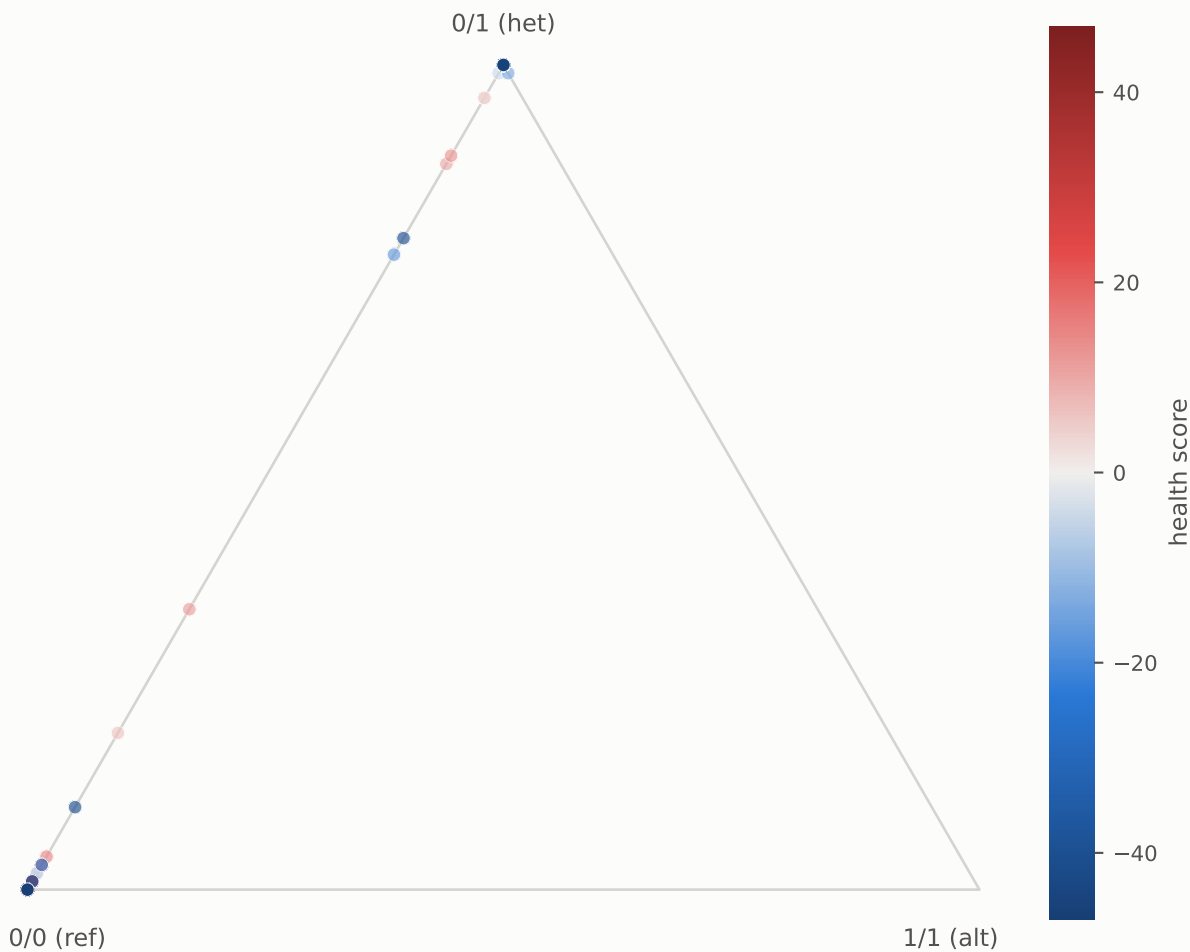
#22 by cluster health separation CHR_23:2,462,866 C>T
AF=0.077 DR2=0.92 r=-0.206 H=0.033 F=19.7



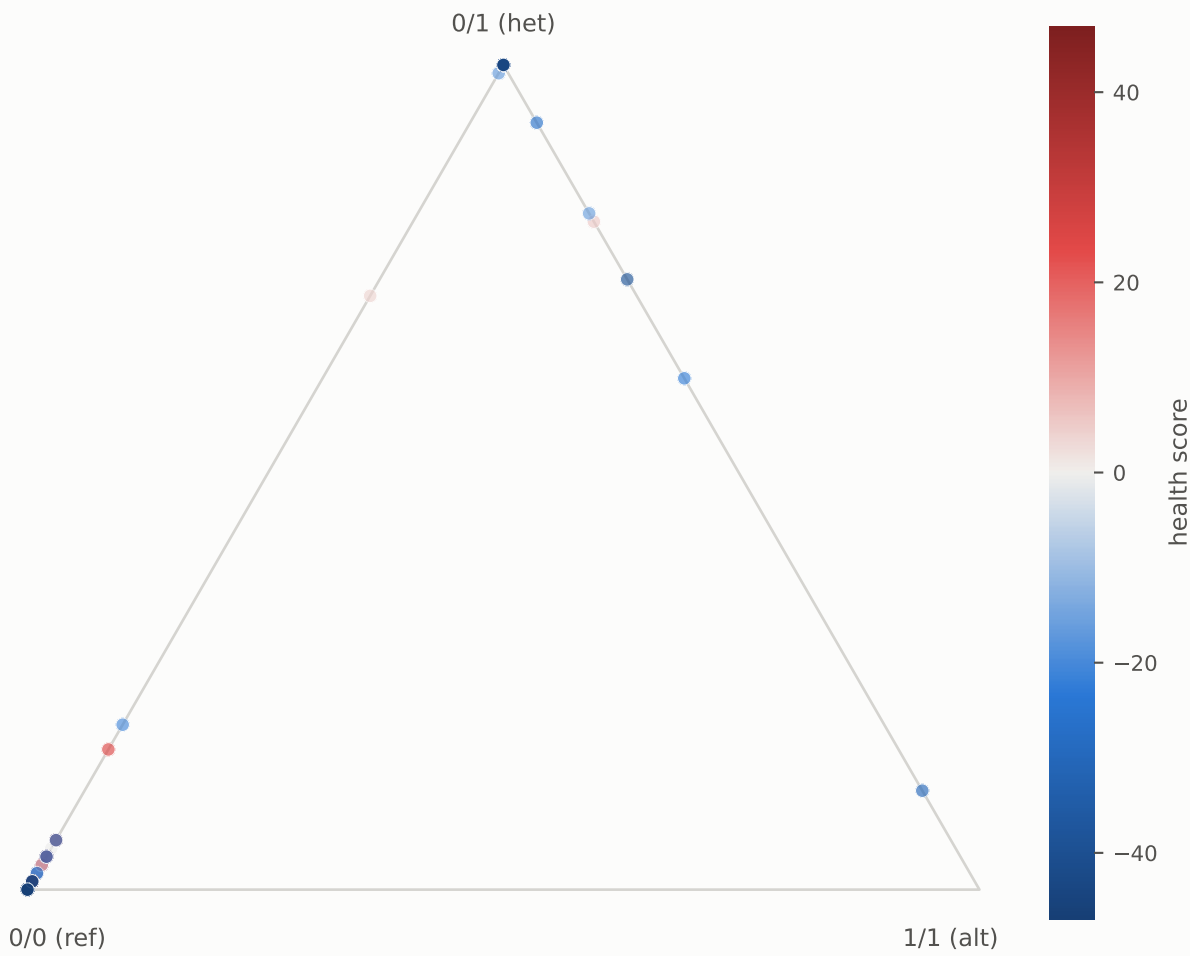
#23 by cluster health separation CHR_06:35,342,126 G>A
AF=0.064 DR2=0.84 $r=-0.161$ $H=0.068$ $F=19.6$



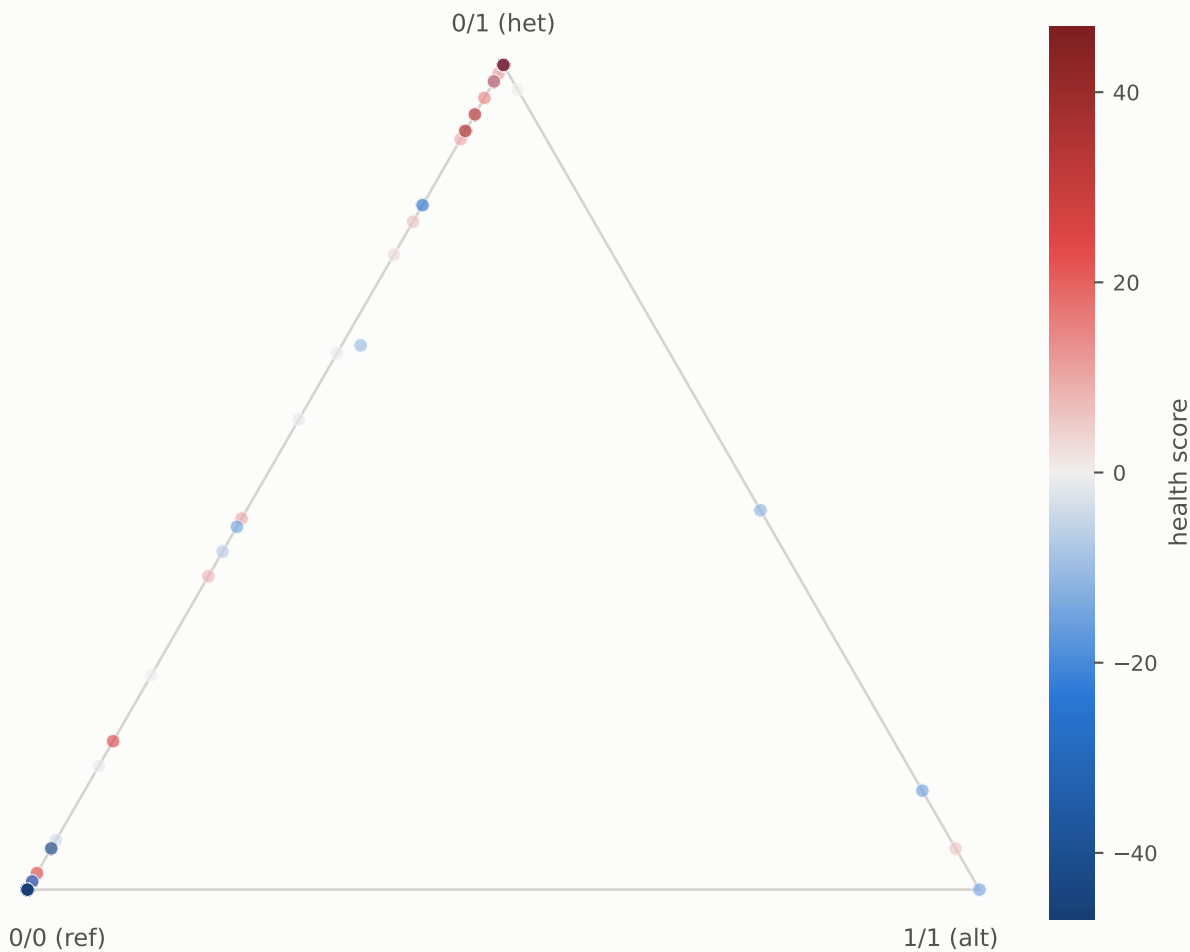
#24 by cluster health separation CHR_09:5,165,264 T>C
AF=0.048 DR2=0.96 r=-0.203 H=0.011 F=19.6



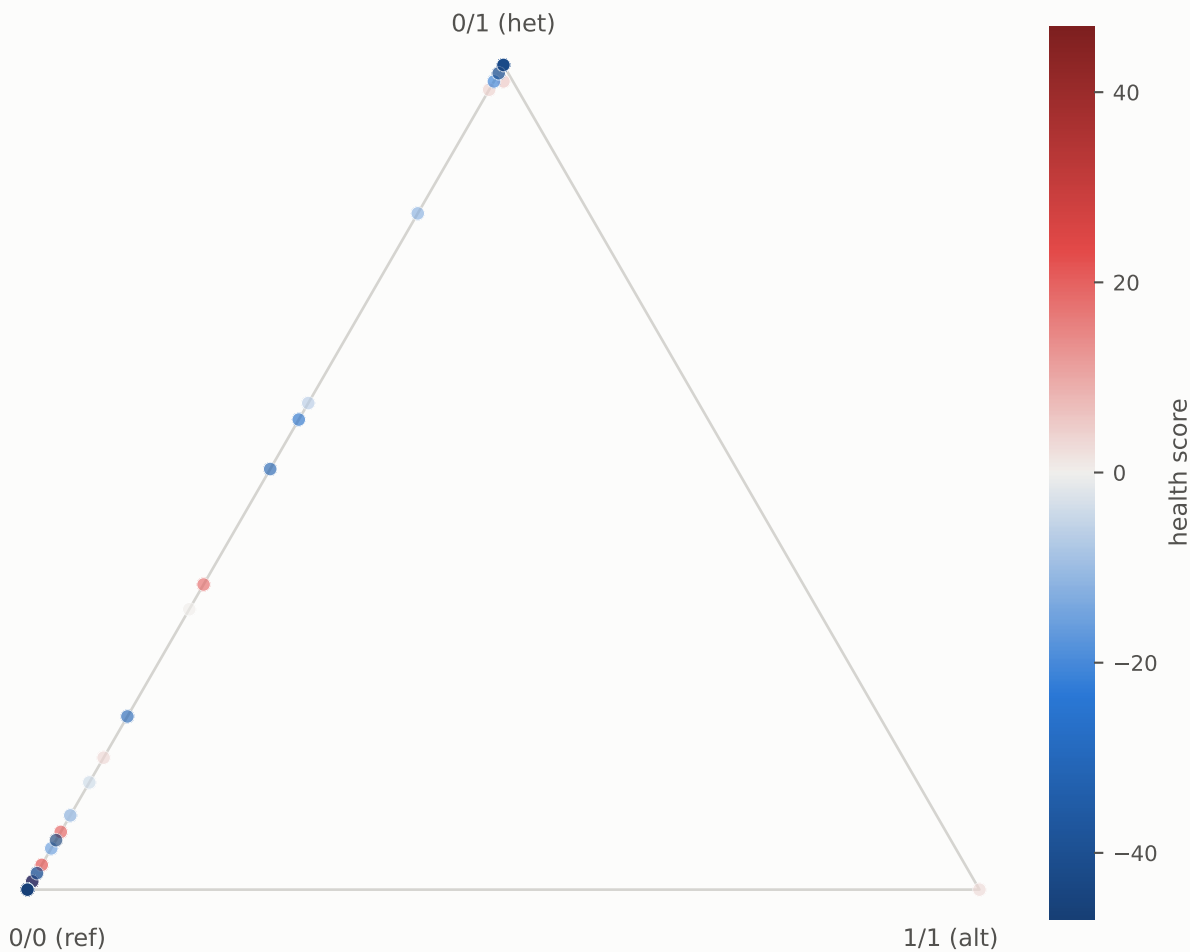
#25 by cluster health separation CHR_21:22,025,501 T>C
AF=0.024 DR2=0.91 r=-0.223 H=0.022 F=19.5



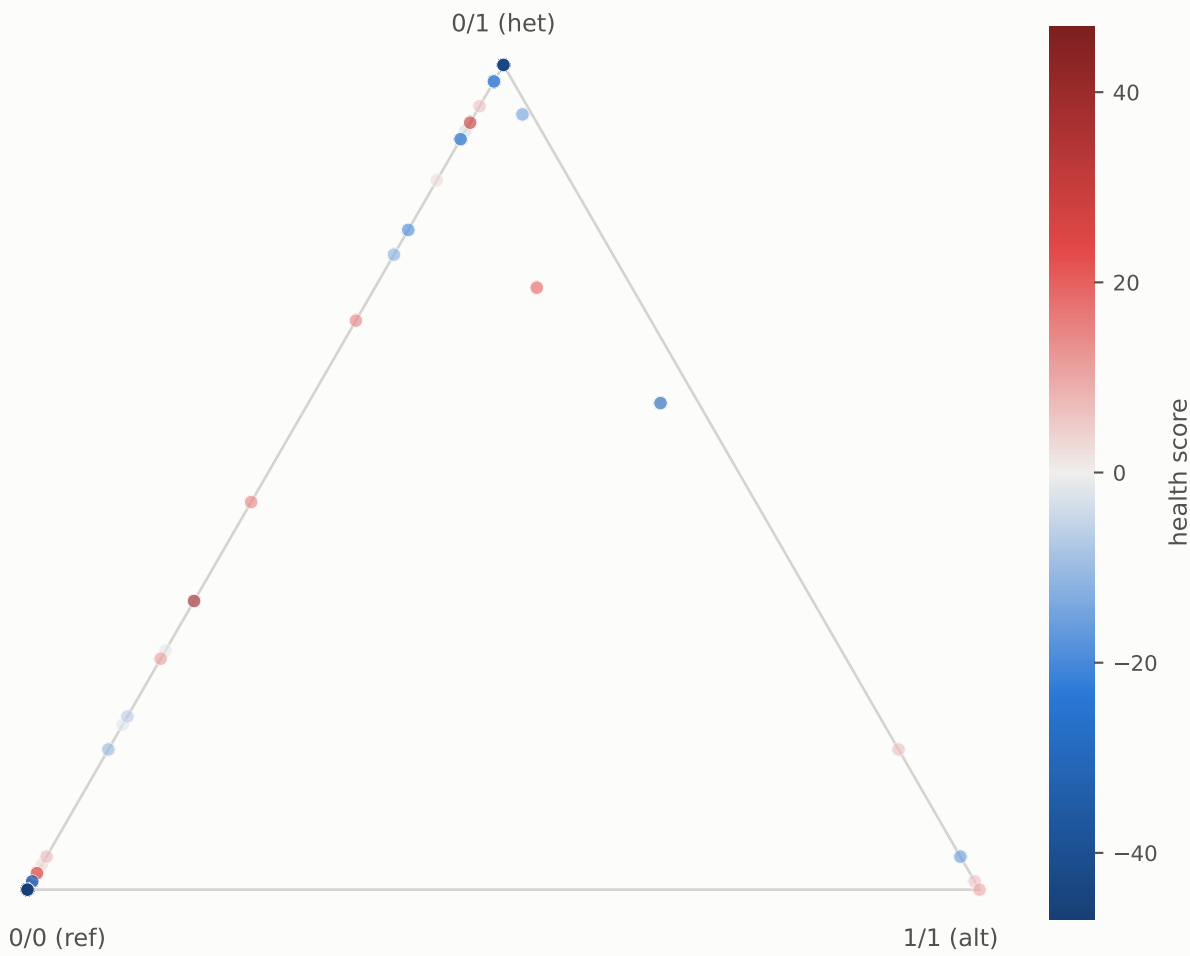
#26 by cluster health separation CHR_14:16,968,546 C>T
AF=0.086 DR2=0.95 $r=+0.173$ $\bar{H}=0.027$ F=19.4



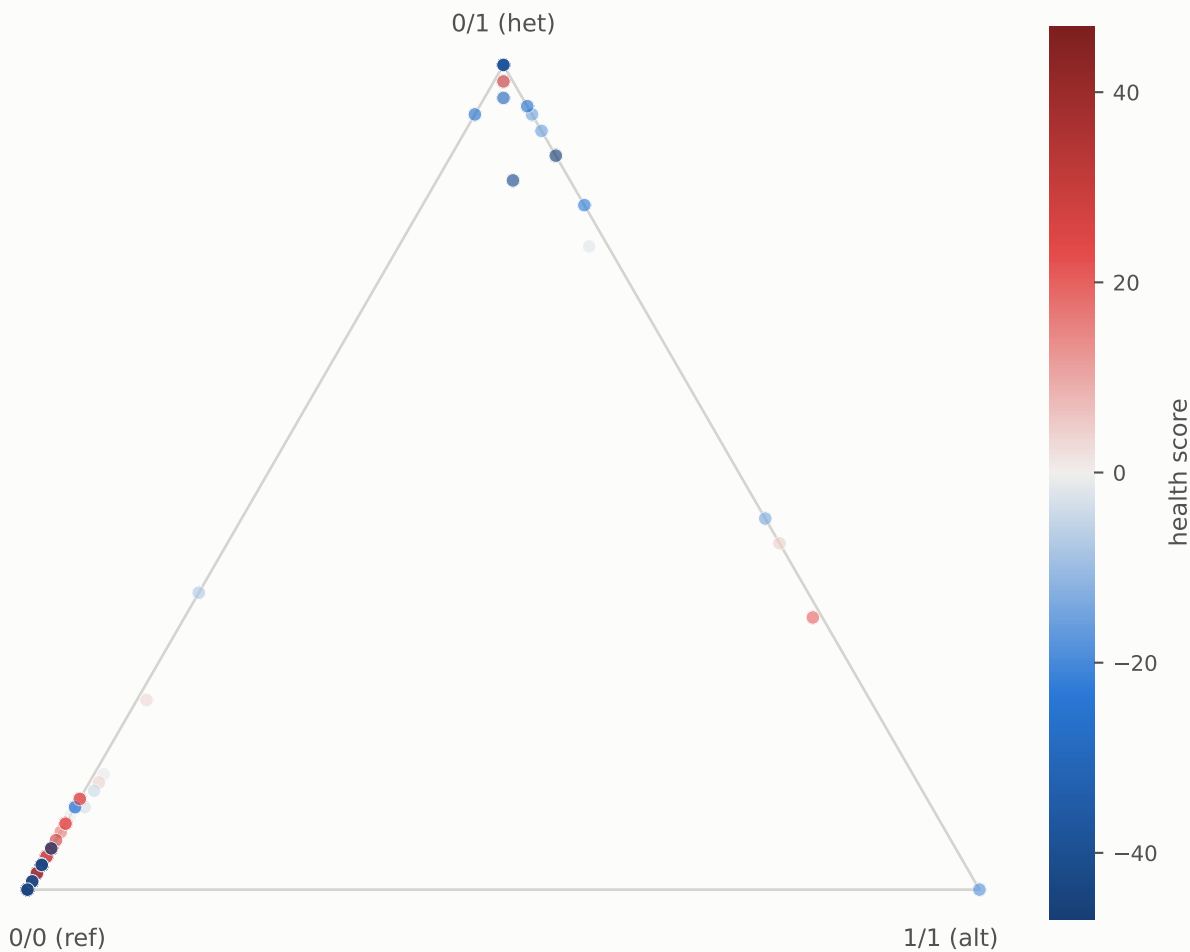
#27 by cluster health separation CHR_14:30,812,854 G>A
AF=0.047 DR2=0.91 r=-0.184 H=0.020 F=19.4



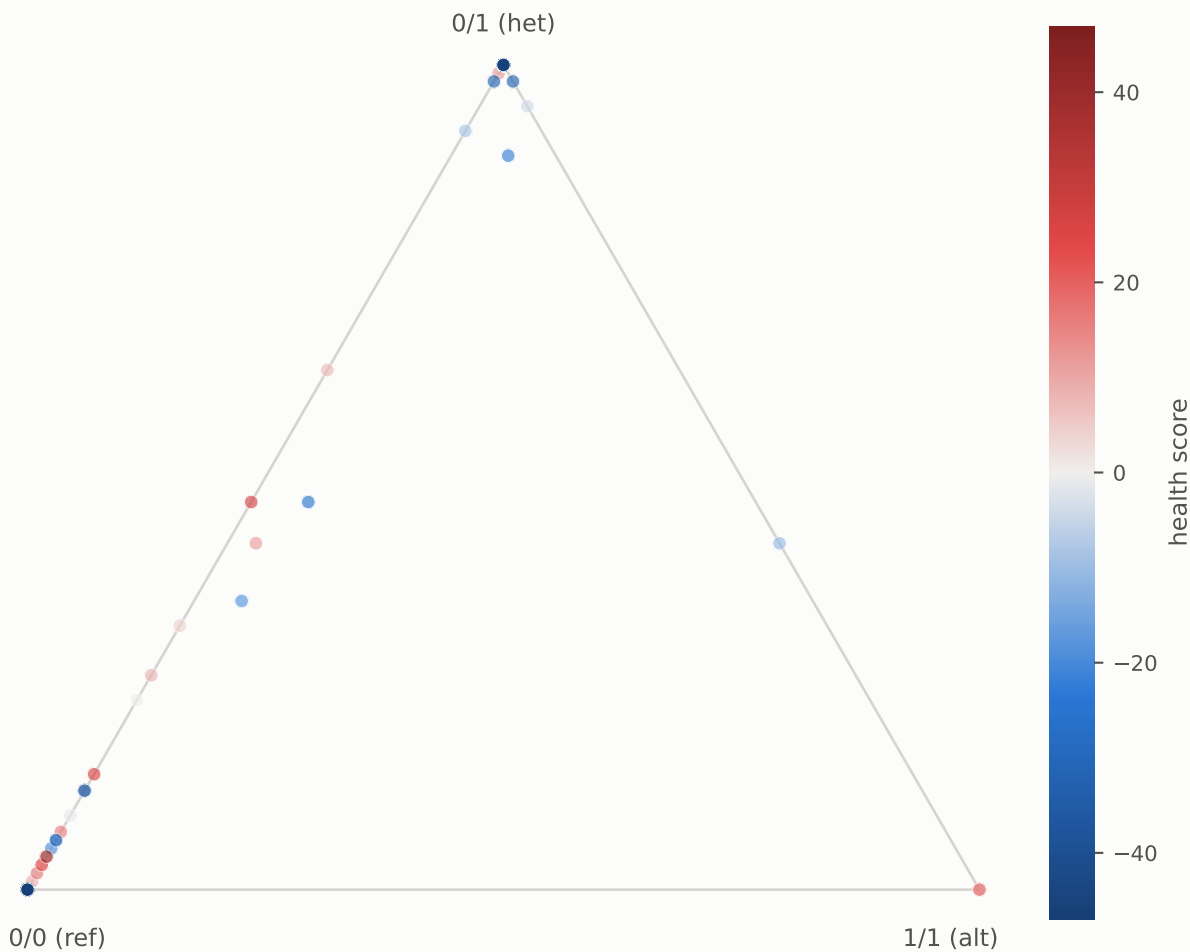
#28 by cluster health separation CHR_17:9,828,587 C>A
AF=0.096 DR2=0.95 r=-0.181 H=0.027 F=19.3



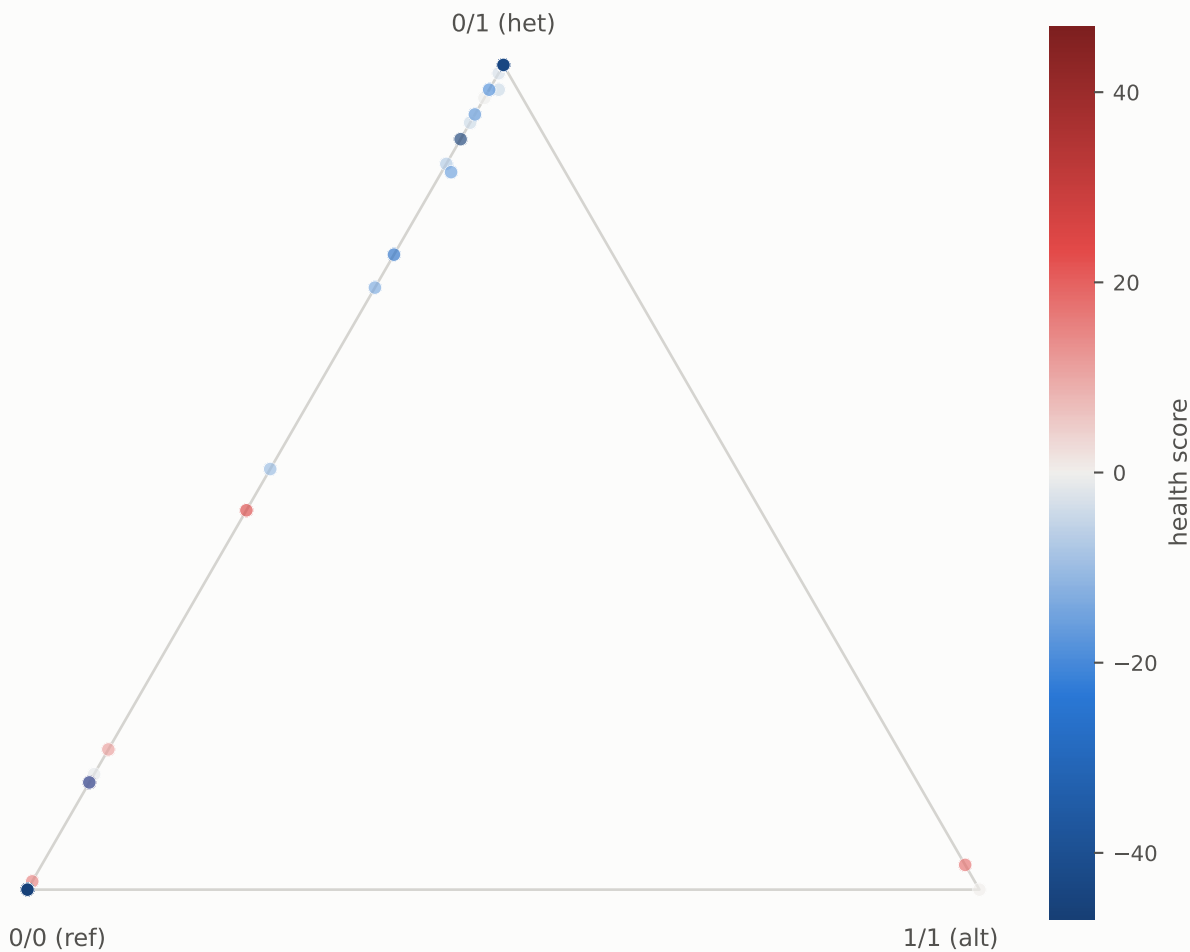
#29 by cluster health separation CHR_08:12,798,312 C>T
AF=0.034 DR2=0.84 r=-0.170 H=0.051 F=19.2



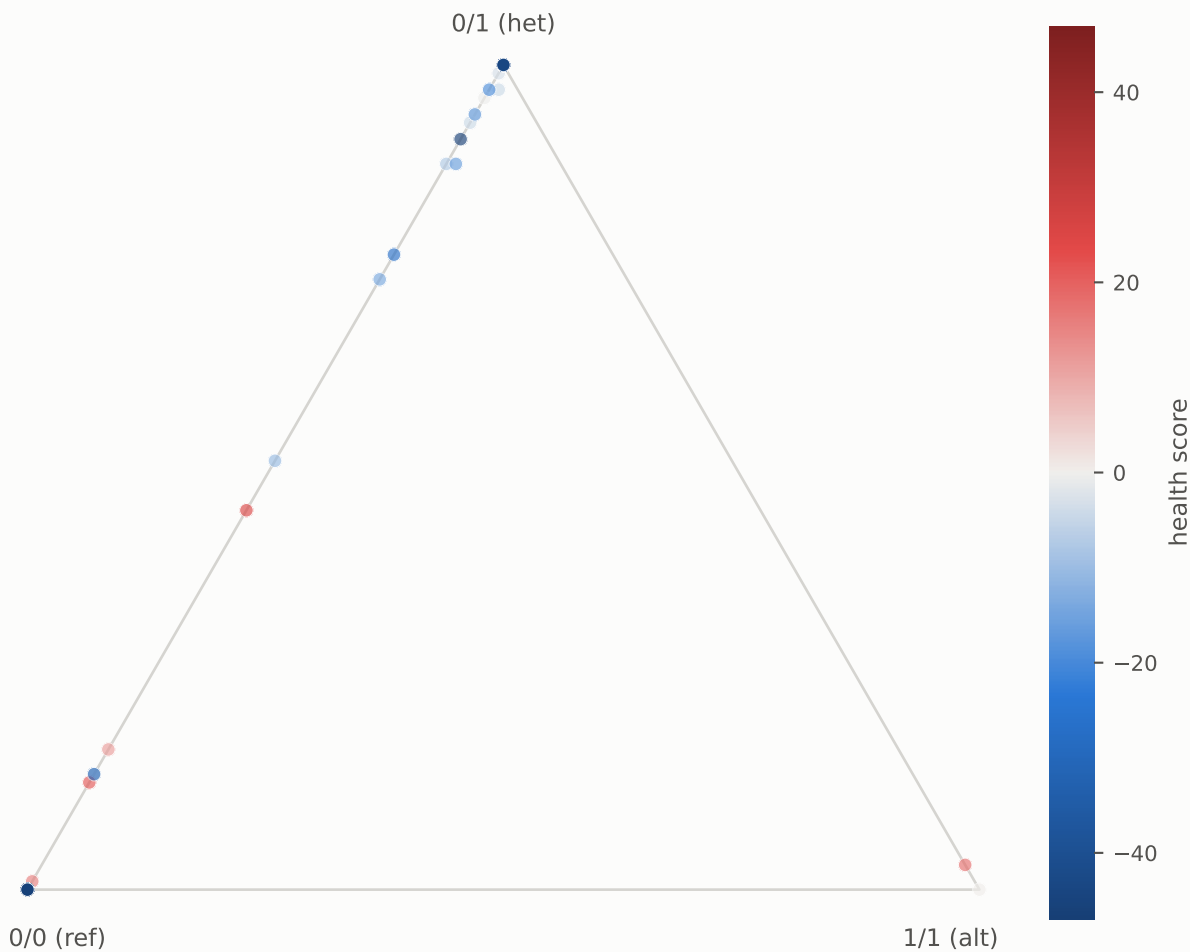
#30 by cluster health separation CHR_18:5,406,998 A>G
AF=0.076 DR2=0.93 r=-0.173 H=0.024 F=19.1



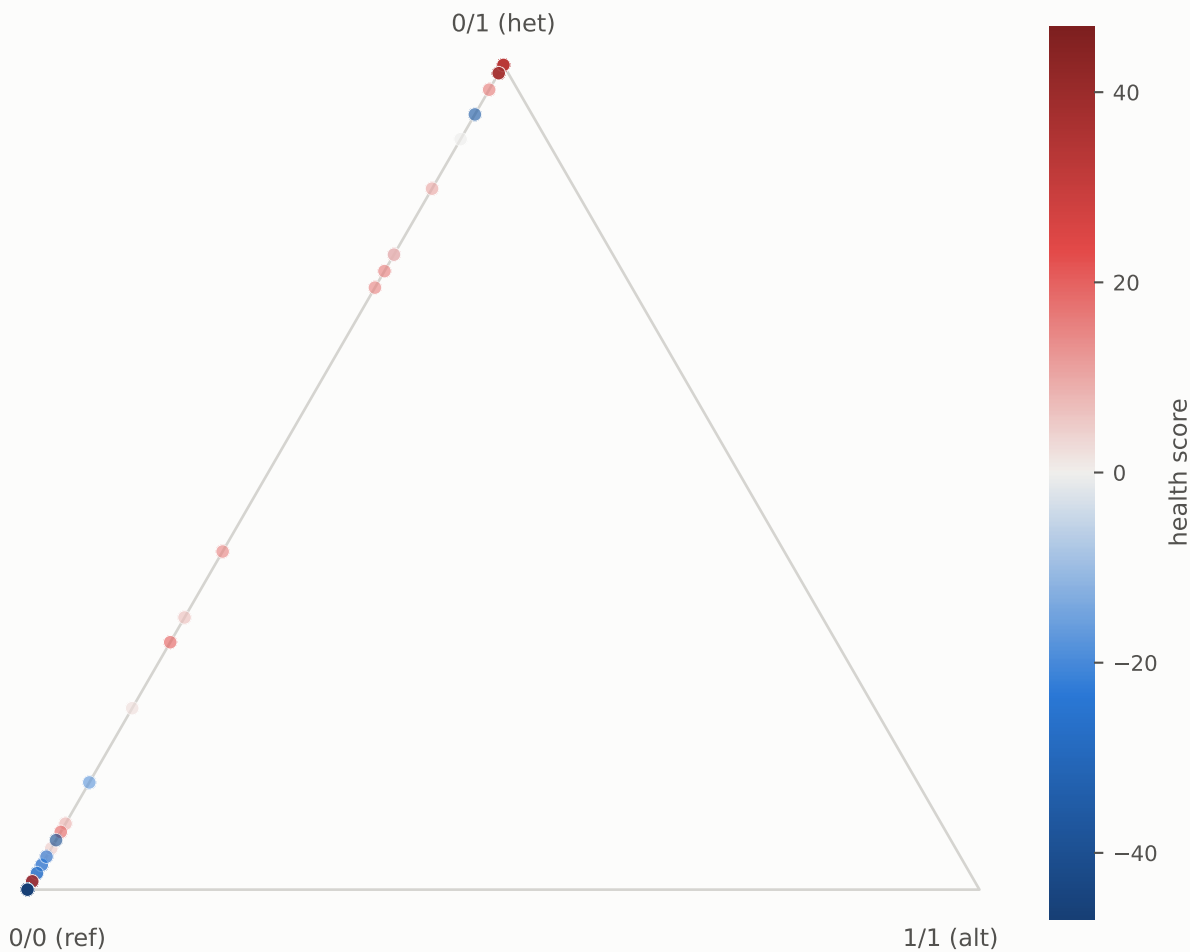
#31 by cluster health separation CHR_13:6,426,544 T>C
AF=0.061 DR2=0.96 r=-0.166 H=0.015 F=19.1



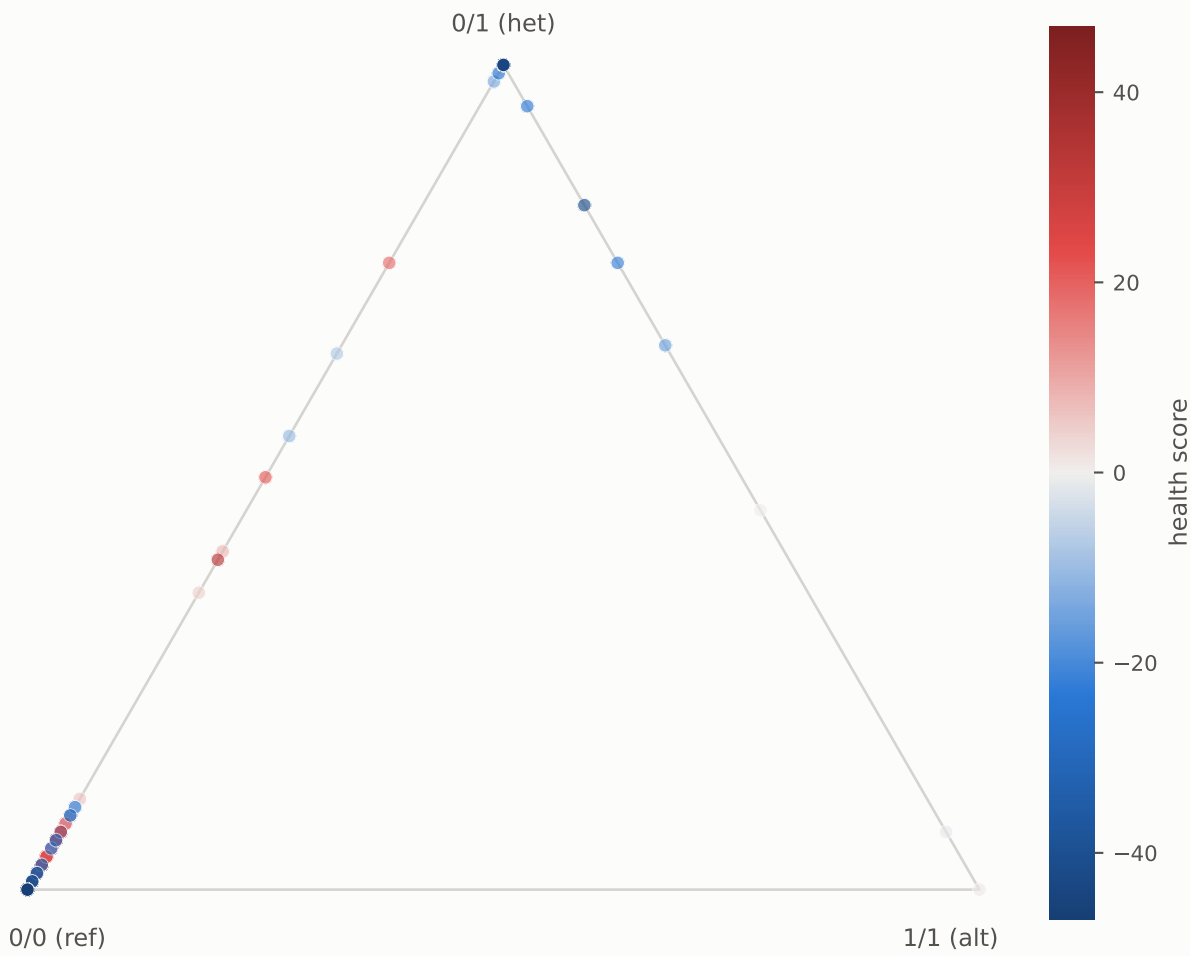
#32 by cluster health separation CHR_13:6,426,532 T>C
AF=0.061 DR2=0.96 r=-0.166 H=0.015 F=19.1



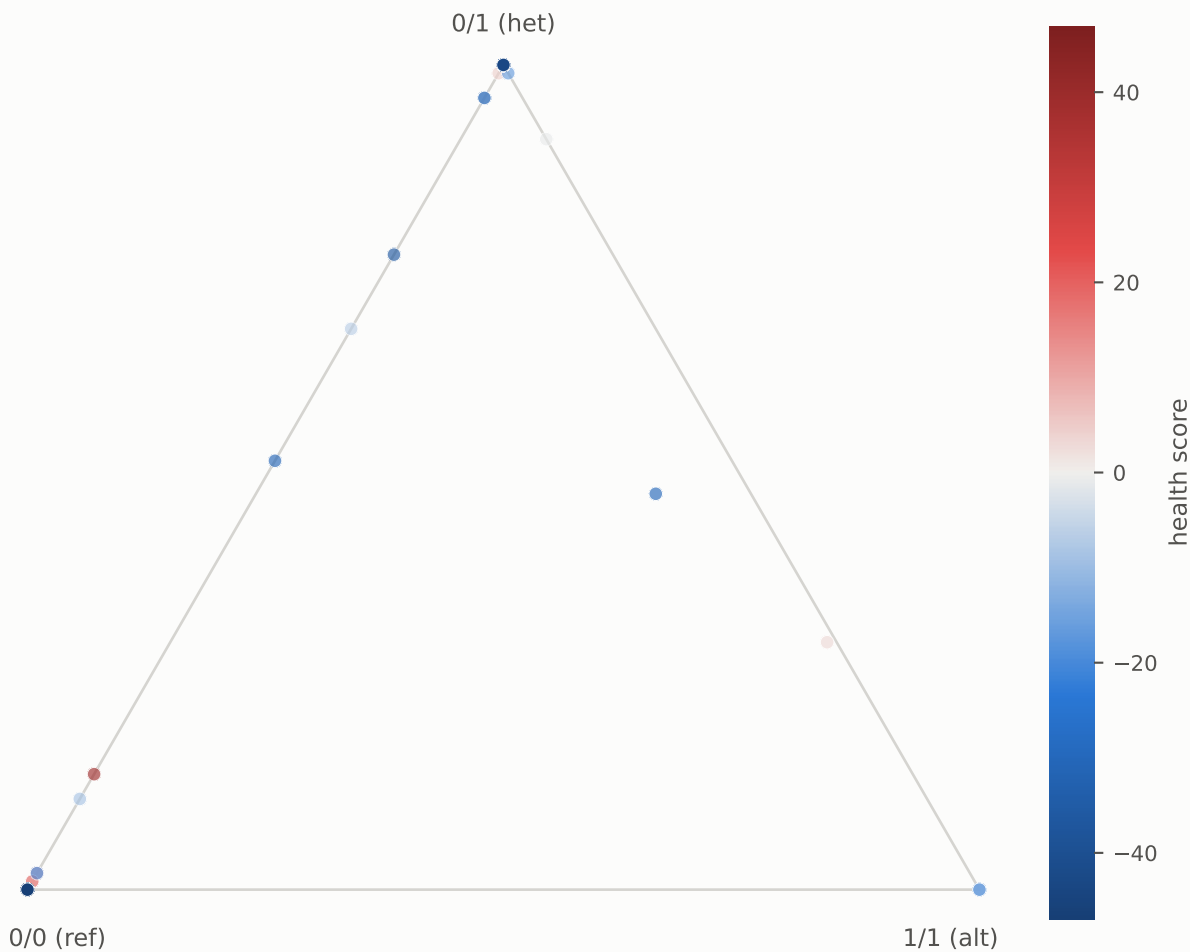
#33 by cluster health separation unpl-scaff_018:32,266 T>C
AF=0.048 DR2=0.92 r=+0.206 H=0.022 F=19.0



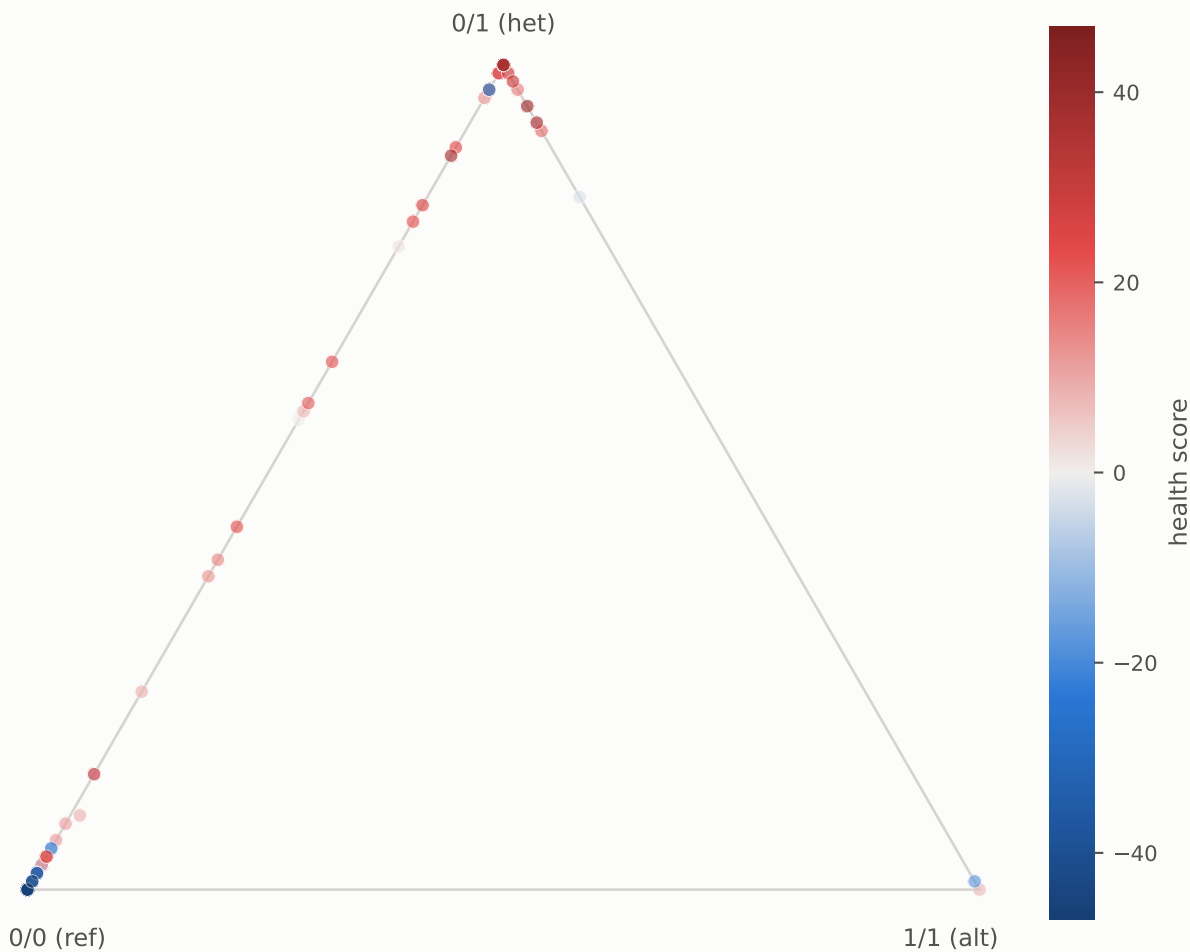
#34 by cluster health separation CHR_01:41,034,089 G>A
AF=0.035 DR2=0.83 r=-0.165 H=0.055 F=19.0



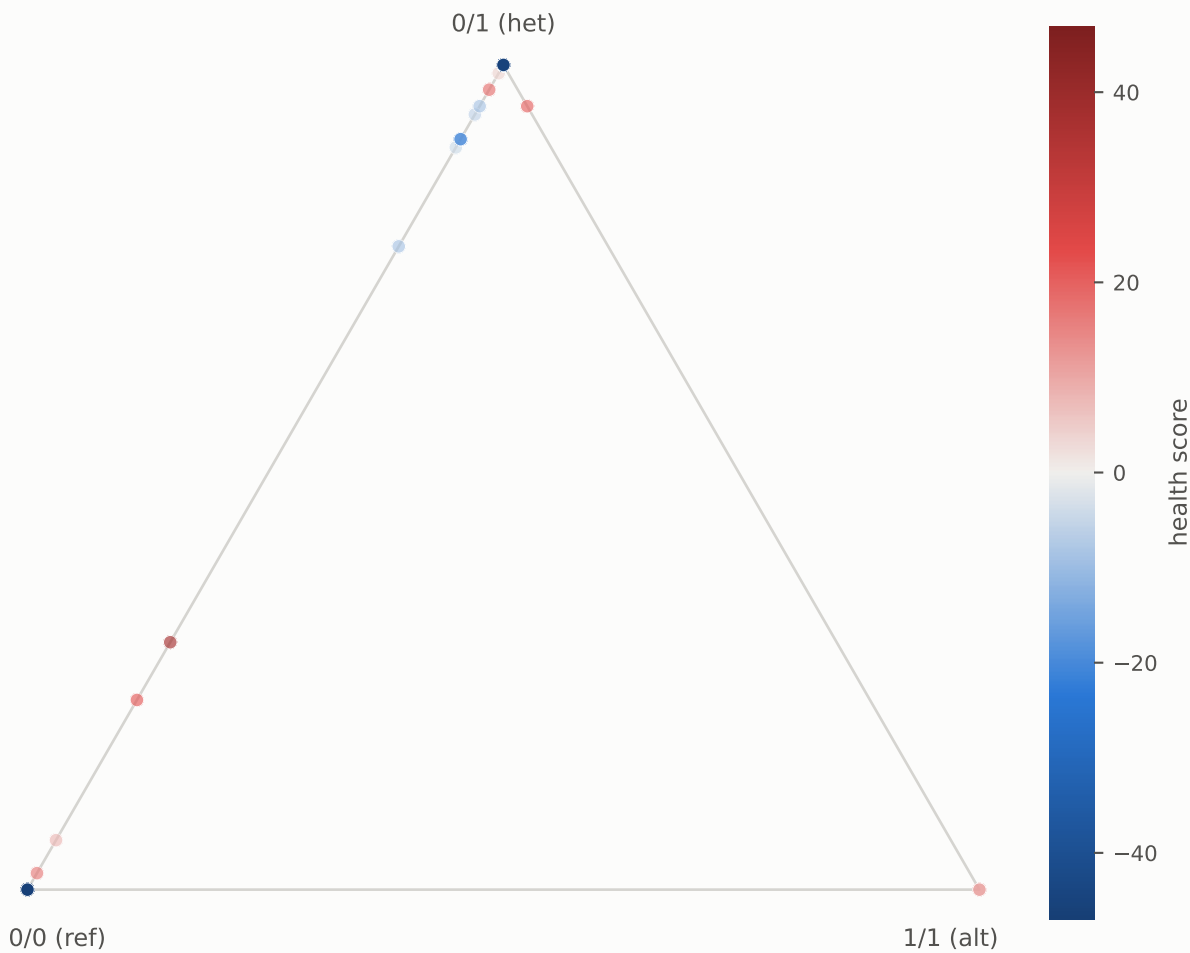
#35 by cluster health separation CHR_06:11,174,965 A>G
AF=0.055 DR2=0.96 r=-0.183 H=0.012 F=18.9



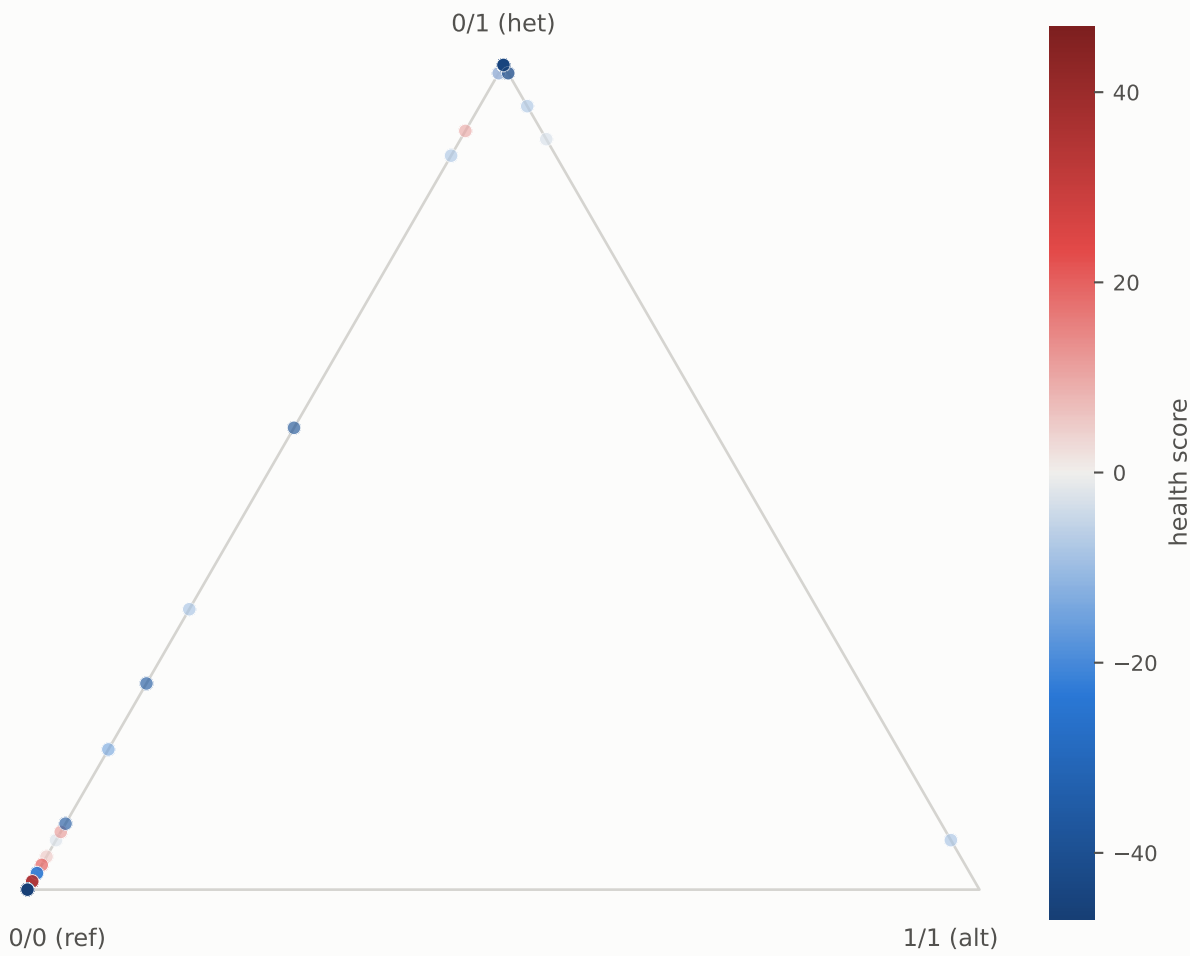
#36 by cluster health separation CHR_07:24,663,566 A>C
AF=0.084 DR2=0.94 $r=+0.188$ $H=0.033$ F=18.9



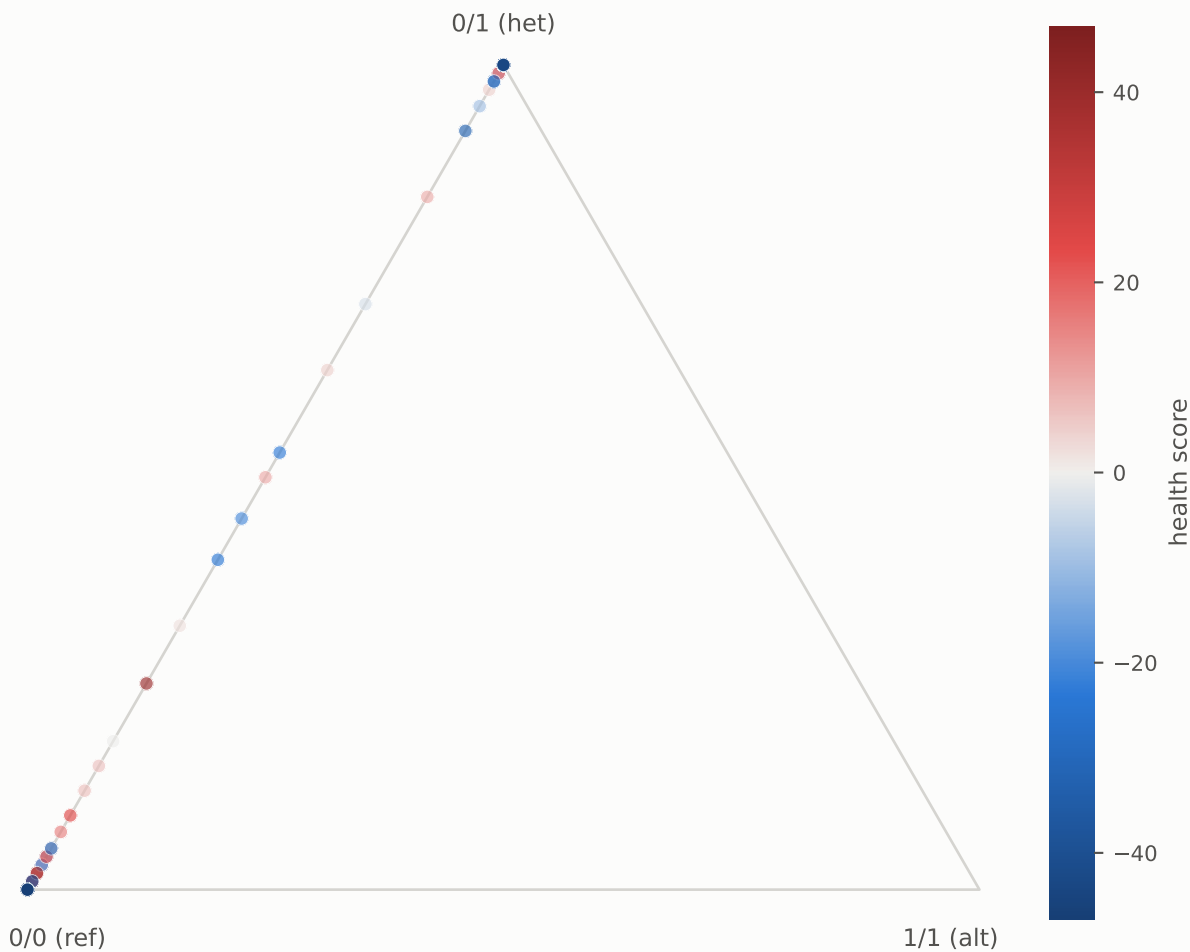
#37 by cluster health separation CHR_05:32,570,332 C>T
AF=0.05 DR2=0.97 r=-0.167 H=0.008 F=18.8



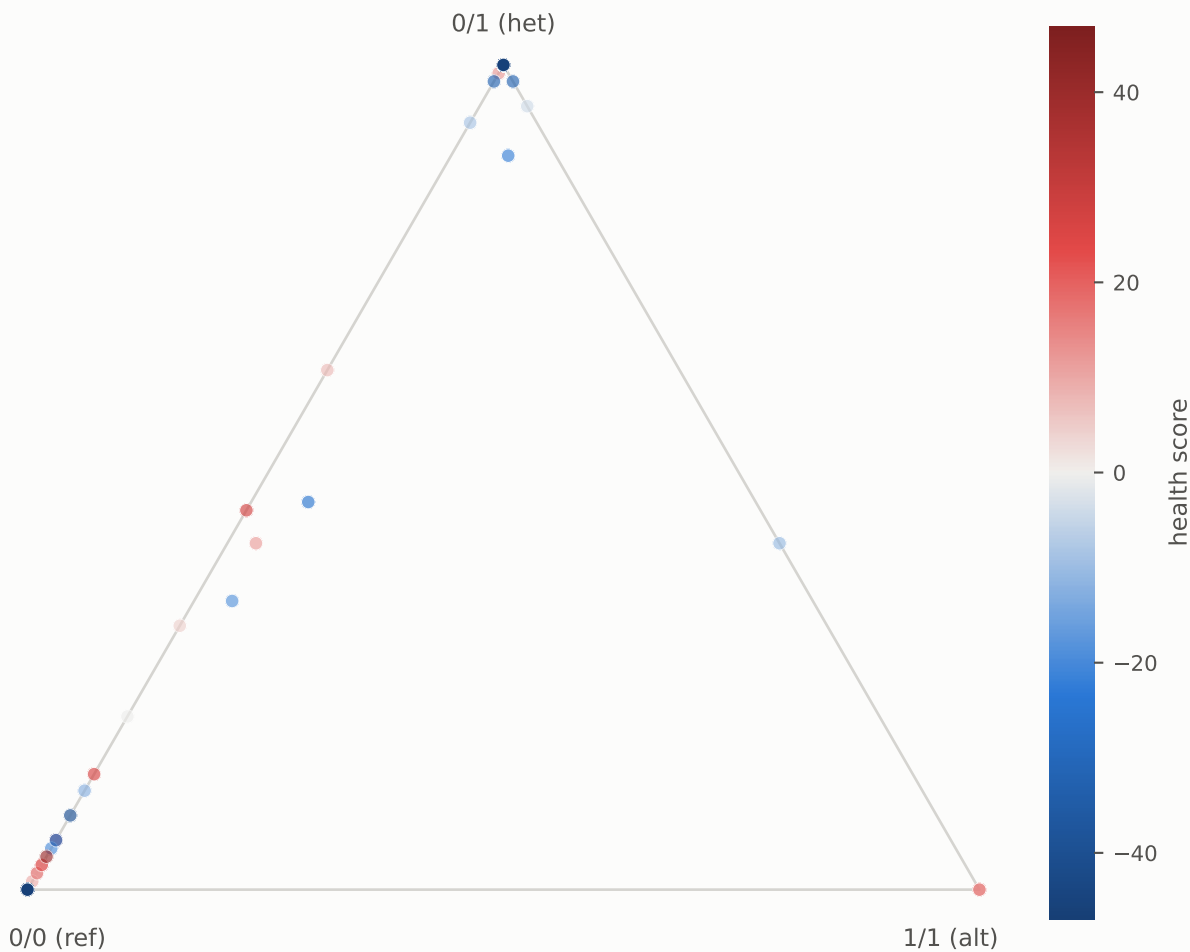
#38 by cluster health separation CHR_03:37,004,667 A>T
AF=0.046 DR2=0.96 r=-0.200 H=0.014 F=18.7



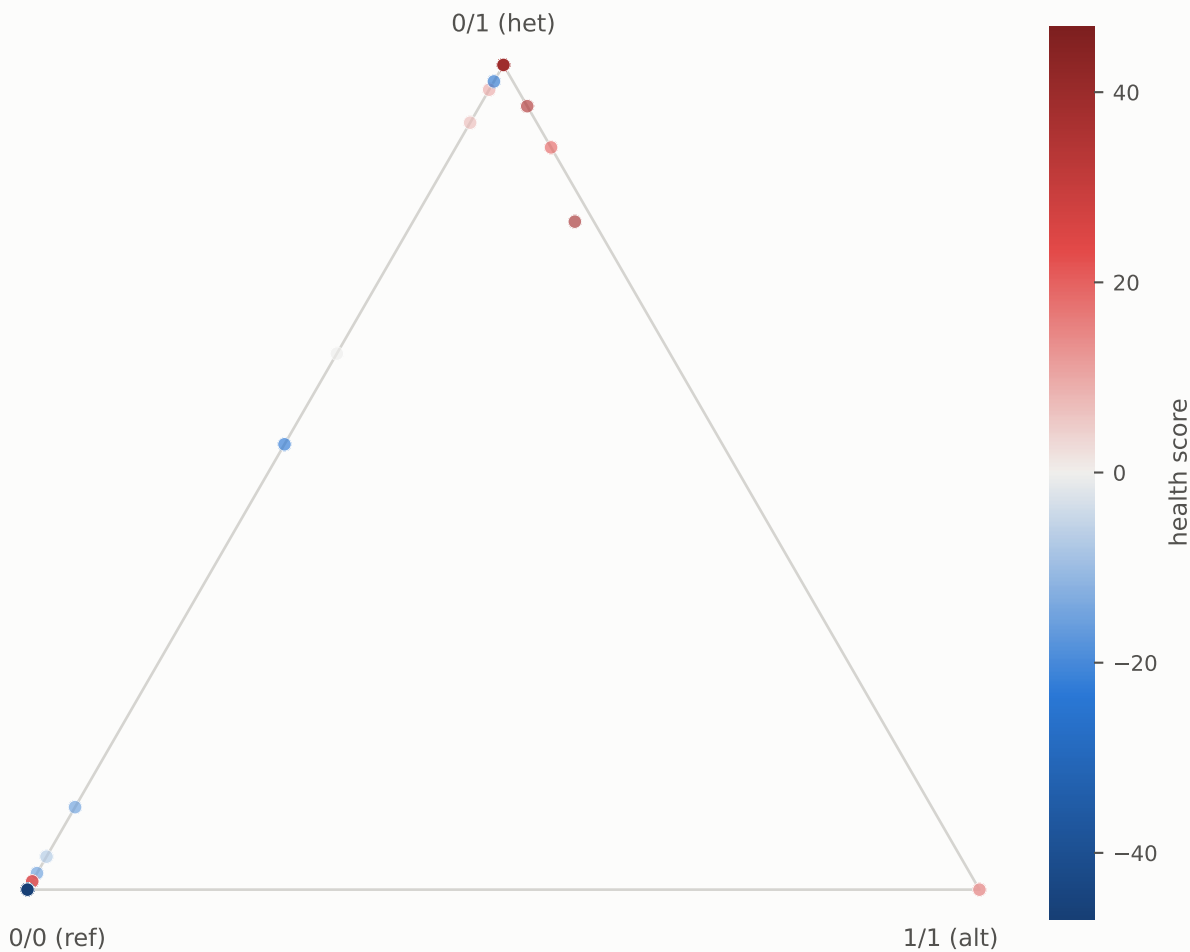
#39 by cluster health separation CHR_16:13,389,482 T>C
AF=0.046 DR2=0.92 r=-0.199 H=0.025 F=18.7



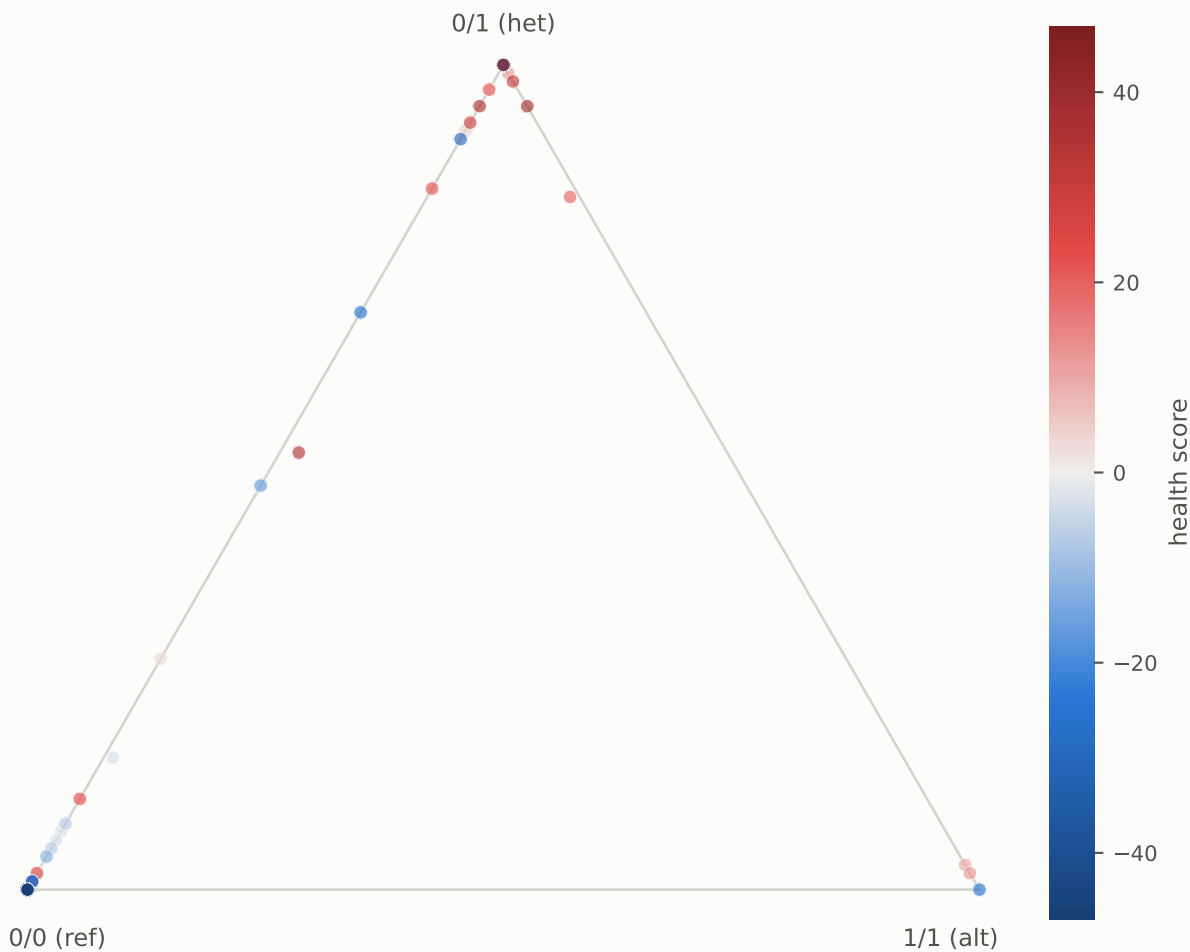
#40 by cluster health separation CHR_18:5,407,010 G>A
AF=0.076 DR2=0.93 r=-0.172 H=0.022 F=18.6



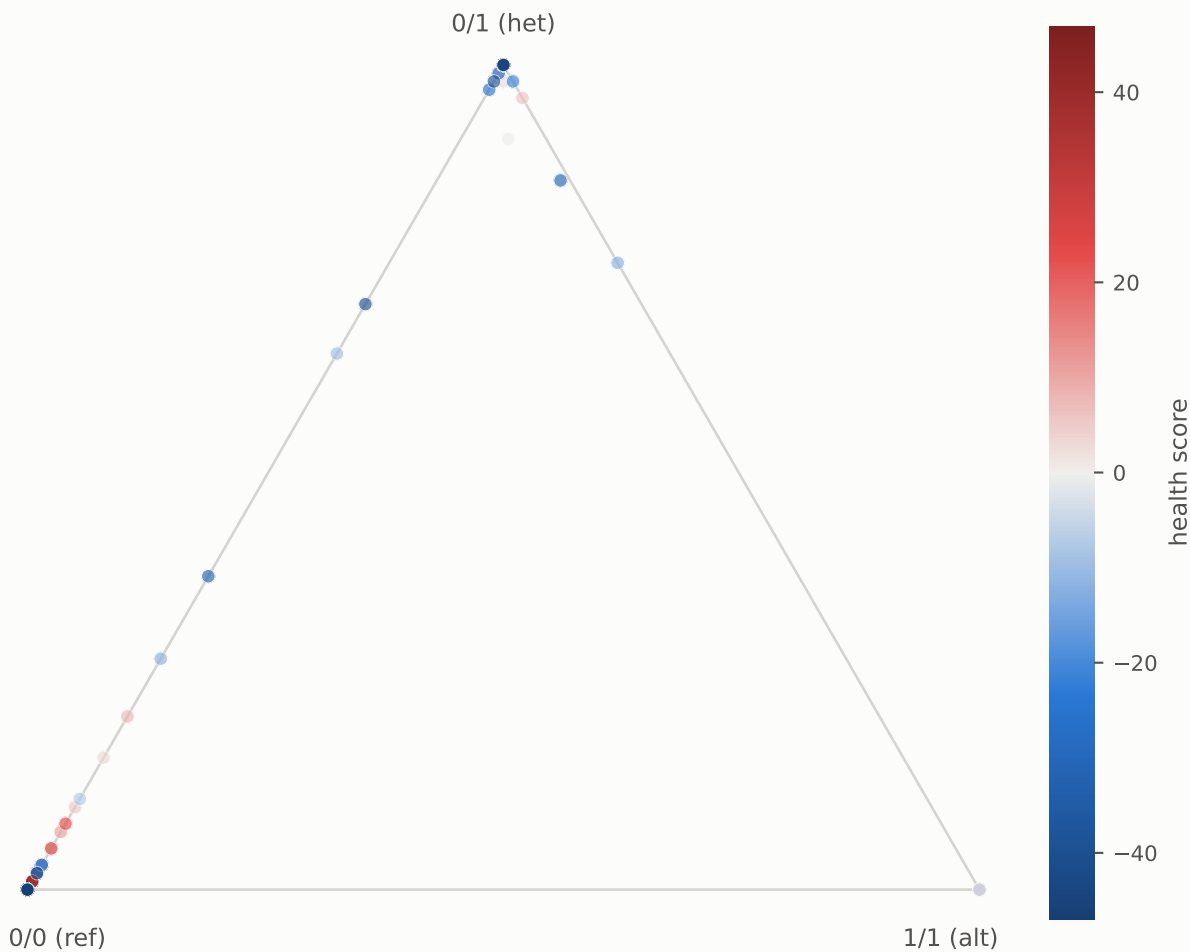
#41 by cluster health separation CHR_16:15,352,303 G>A
AF=0.057 DR2=0.97 $r=+0.206$ $\bar{H}=0.008$ F=18.6



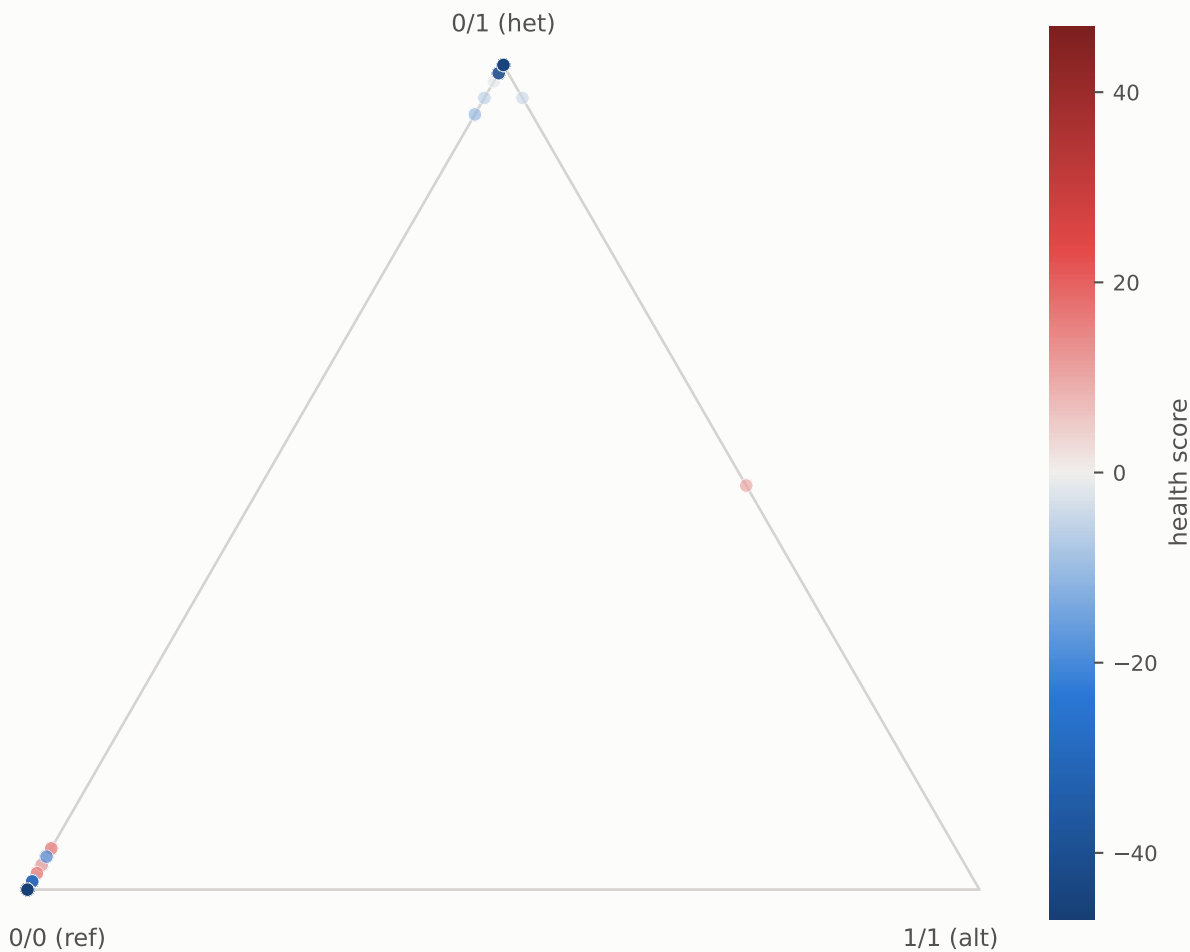
#42 by cluster health separation CHR_05:1,002,204 A>G
AF=0.062 DR2=0.95 r=+0.179 H=0.019 F=18.6



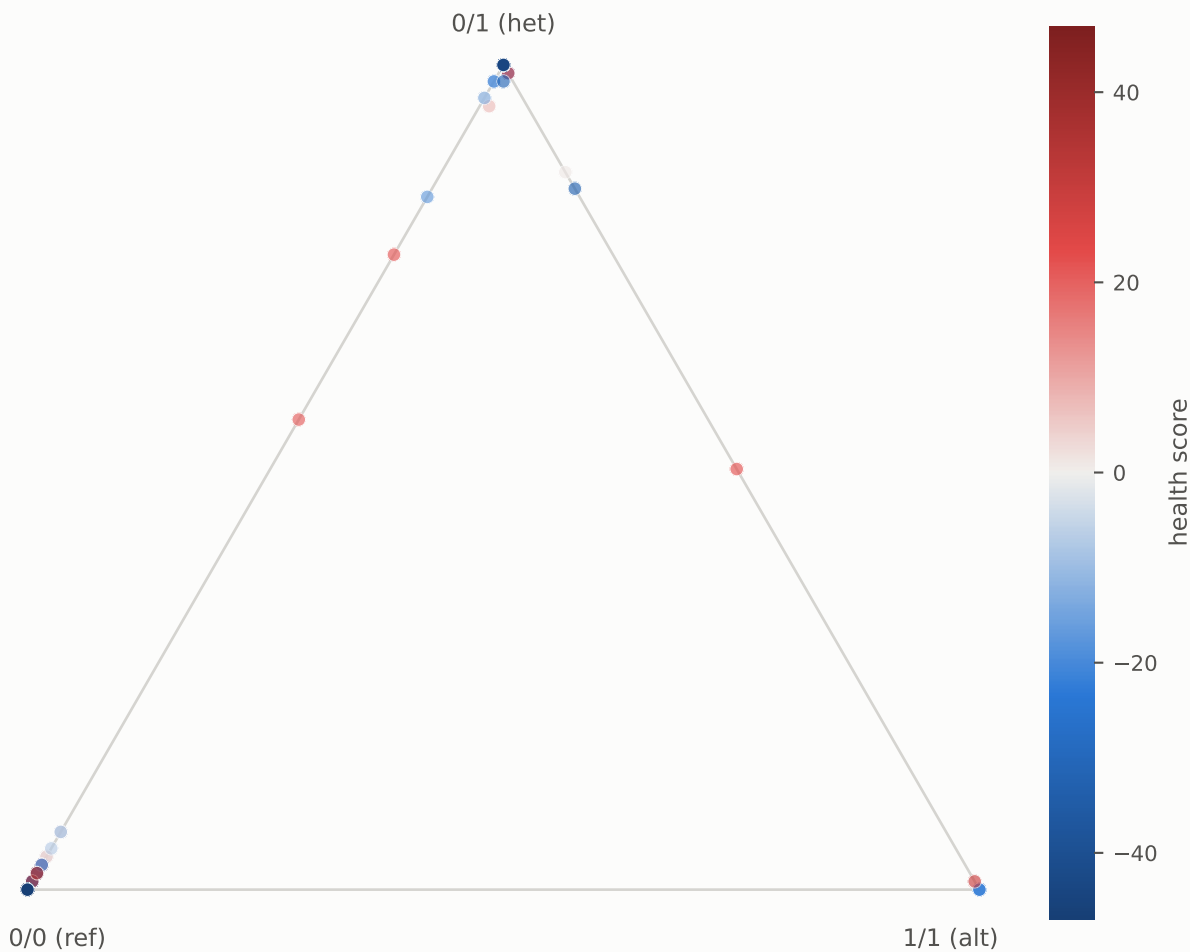
#43 by cluster health separation CHR_14:30,821,742 G>T
AF=0.069 DR2=0.94 r=-0.179 H=0.021 F=18.6



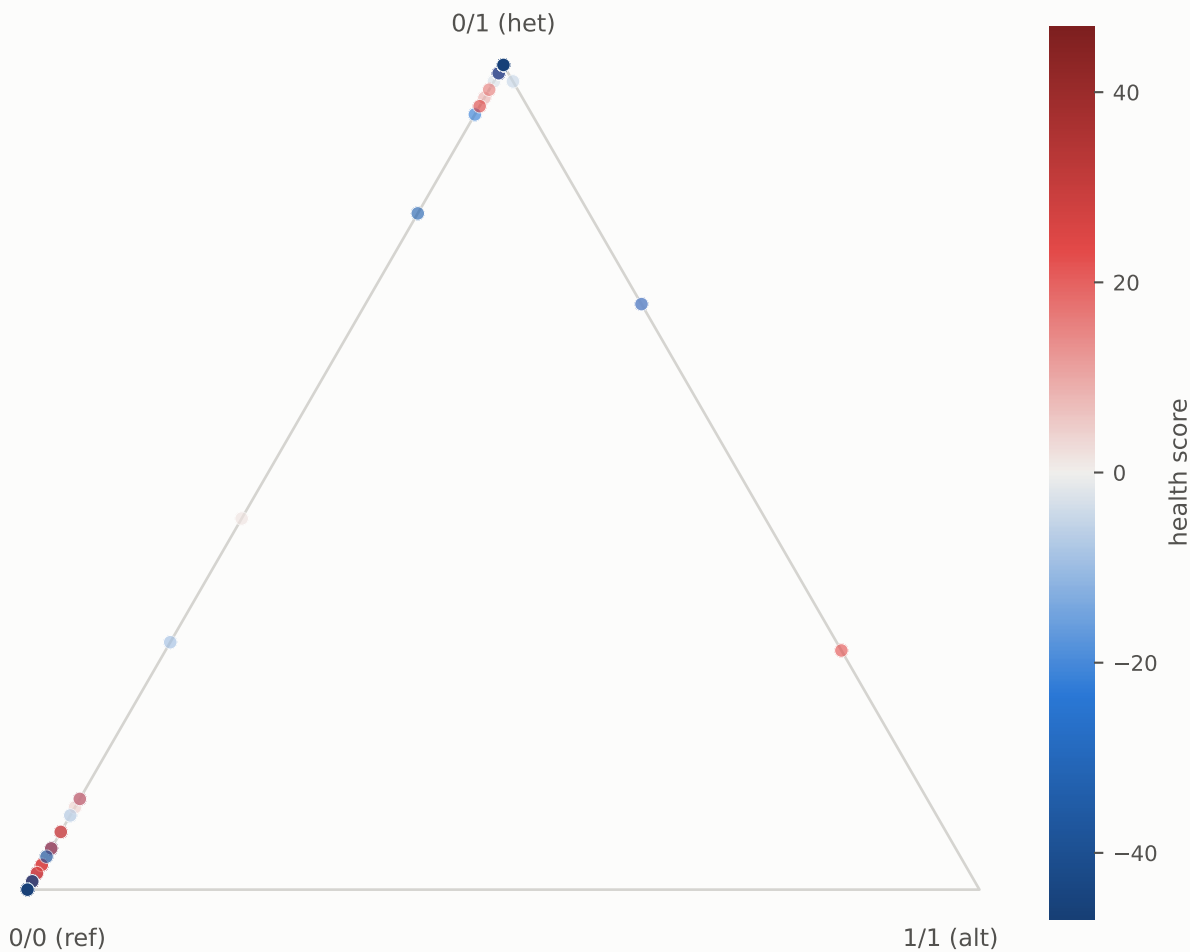
#44 by cluster health separation CHR_18:18,968,414 T>C
AF=0.04 DR2=0.96 r=-0.186 H=0.009 F=18.5



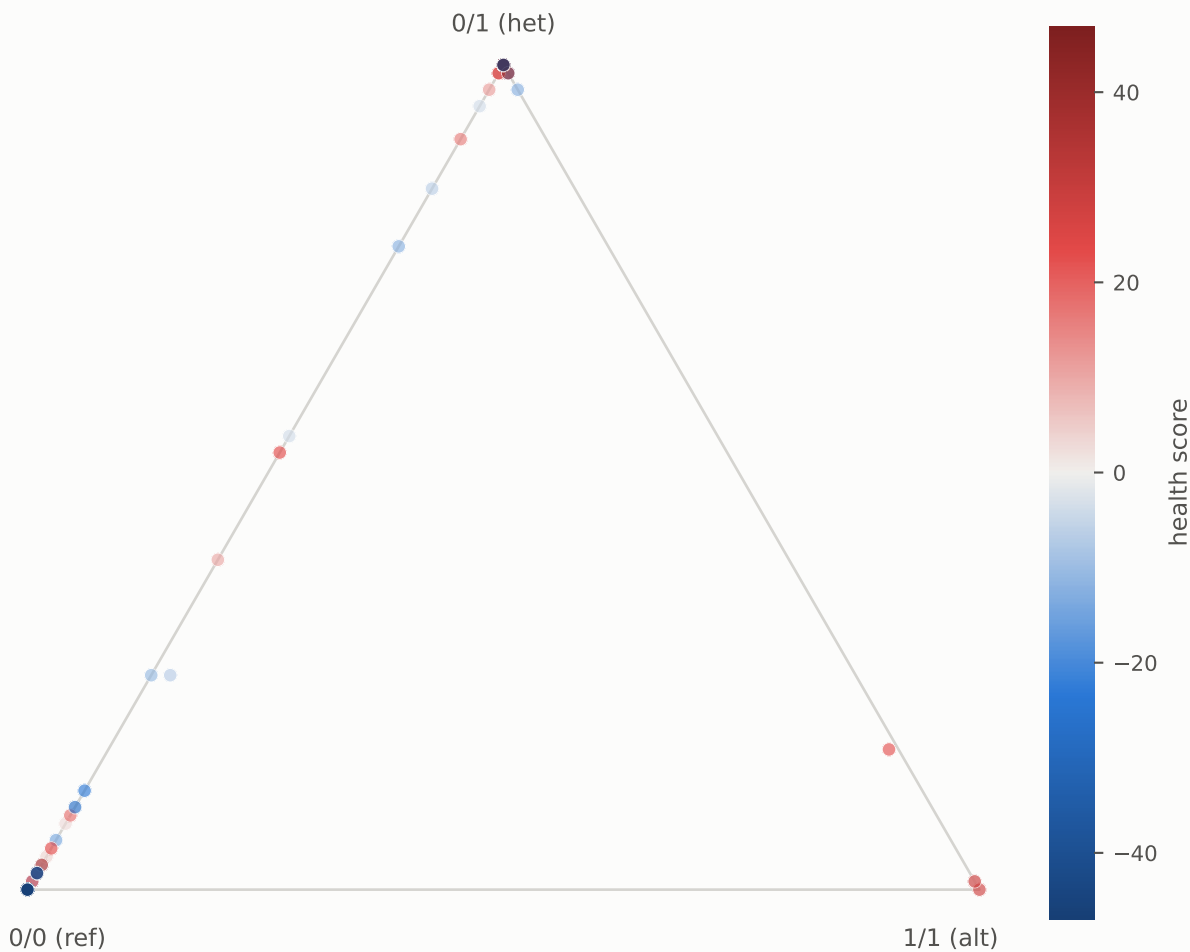
#45 by cluster health separation CHR_11:11,099,796 A>G
AF=0.068 DR2=0.94 r=-0.191 H=0.016 F=18.5



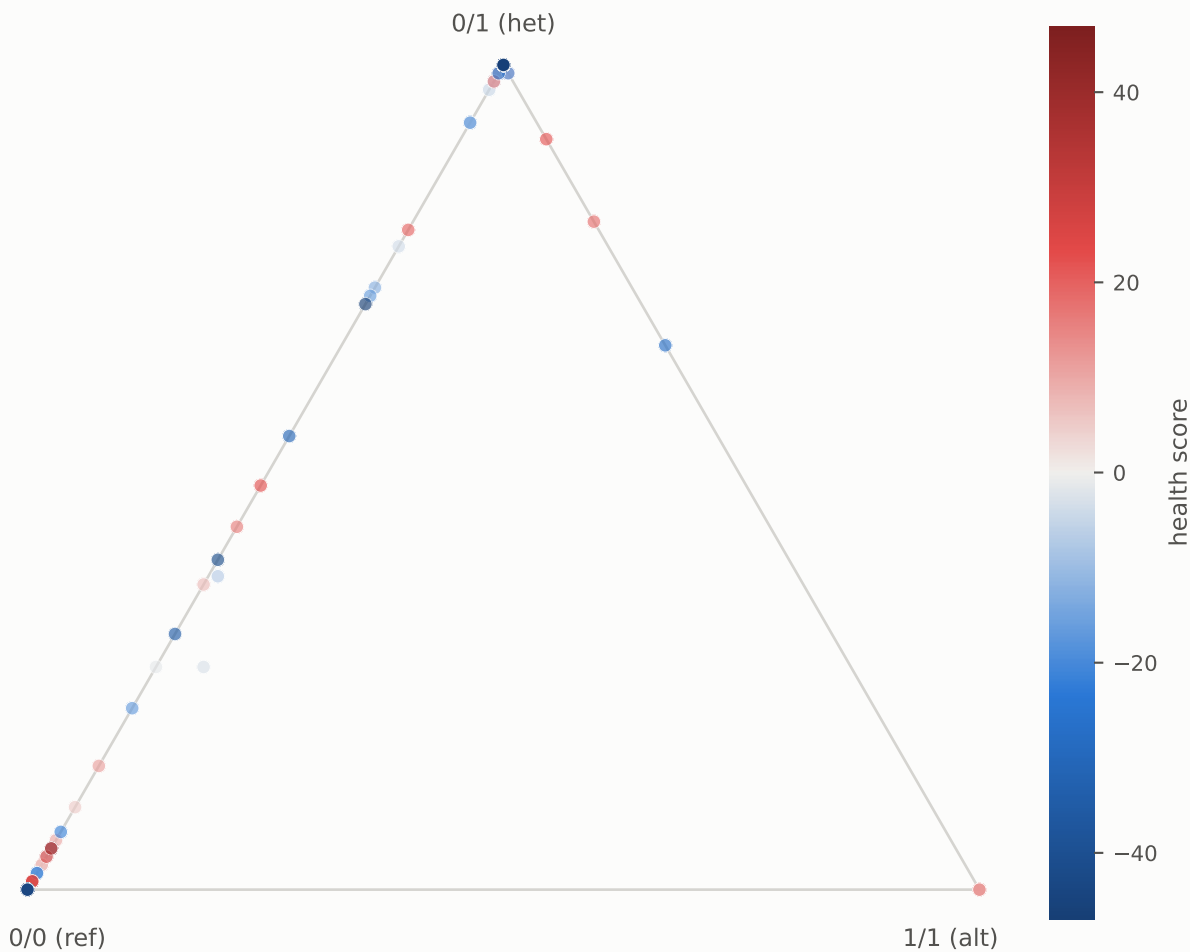
#46 by cluster health separation CHR_07:15,359,892 G>A
AF=0.14 DR2=0.96 r=-0.188 H=0.028 F=18.5



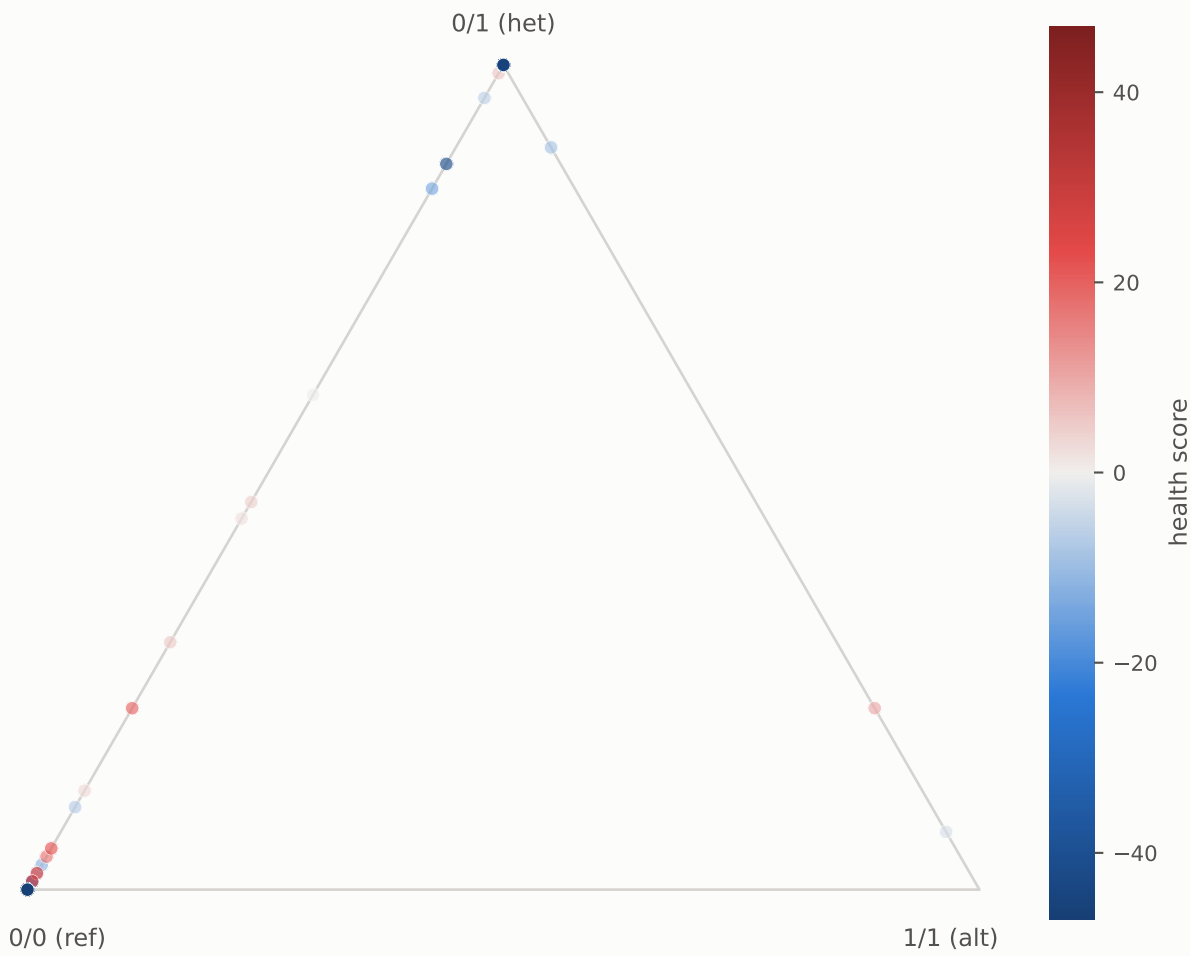
#47 by cluster health separation CHR_04:41,248,267 C>T
AF=0.079 DR2=0.95 $r=+0.224$ $H=0.020$ $F=18.5$



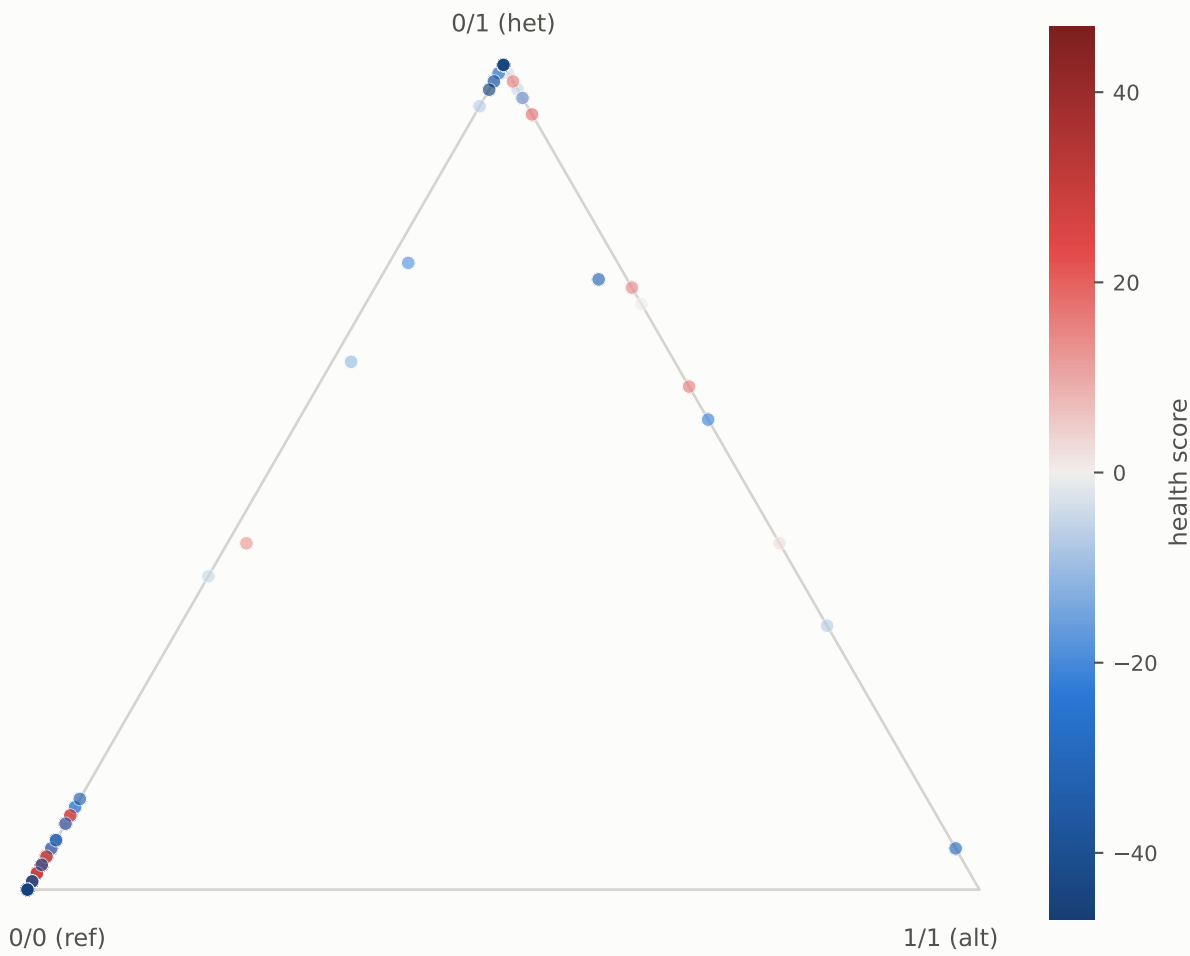
#48 by cluster health separation CHR_01:46,326,064 C>G
AF=0.1 DR2=0.94 r=-0.167 H=0.035 F=18.5



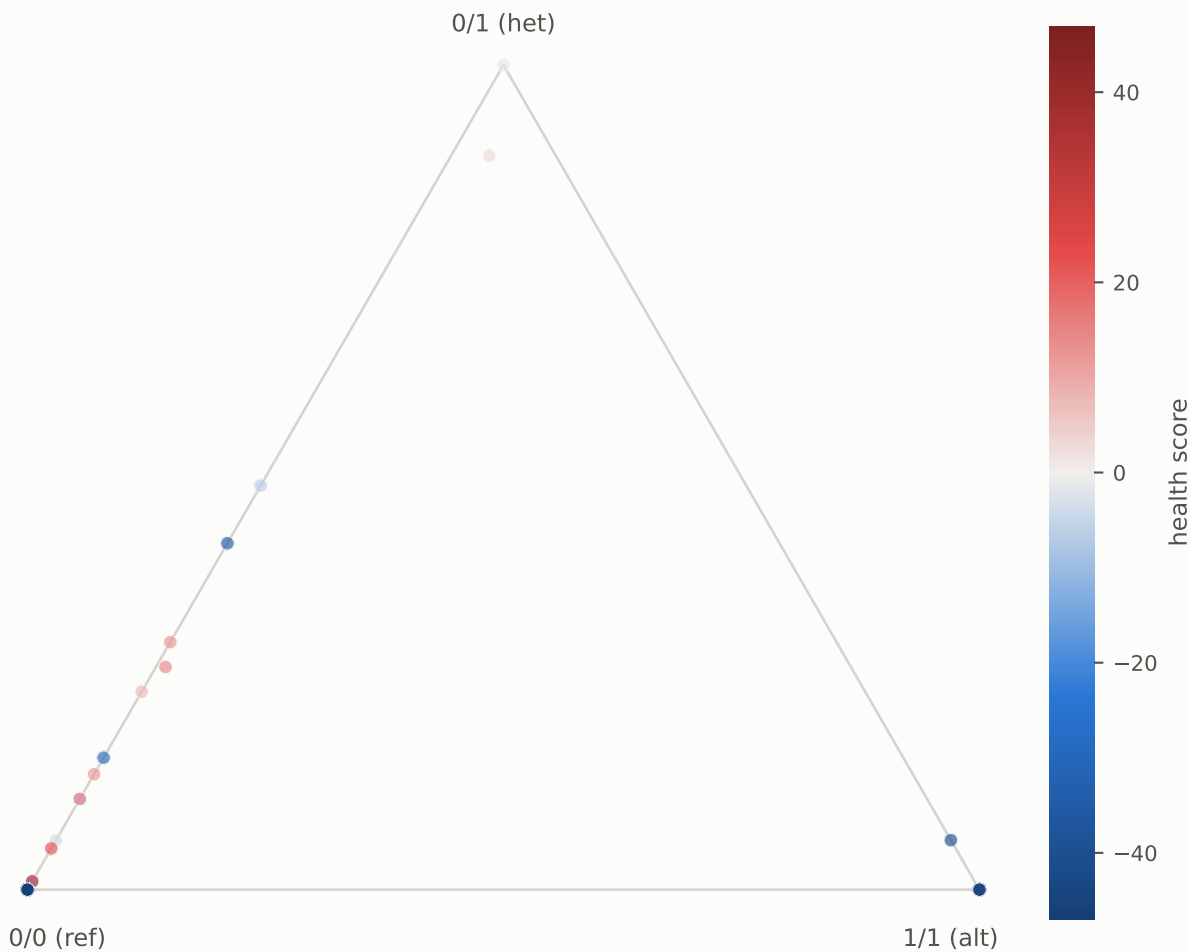
#49 by cluster health separation CHR_21:16,651,325 G>A
AF=0.048 DR2=0.95 r=-0.173 H=0.016 F=18.5



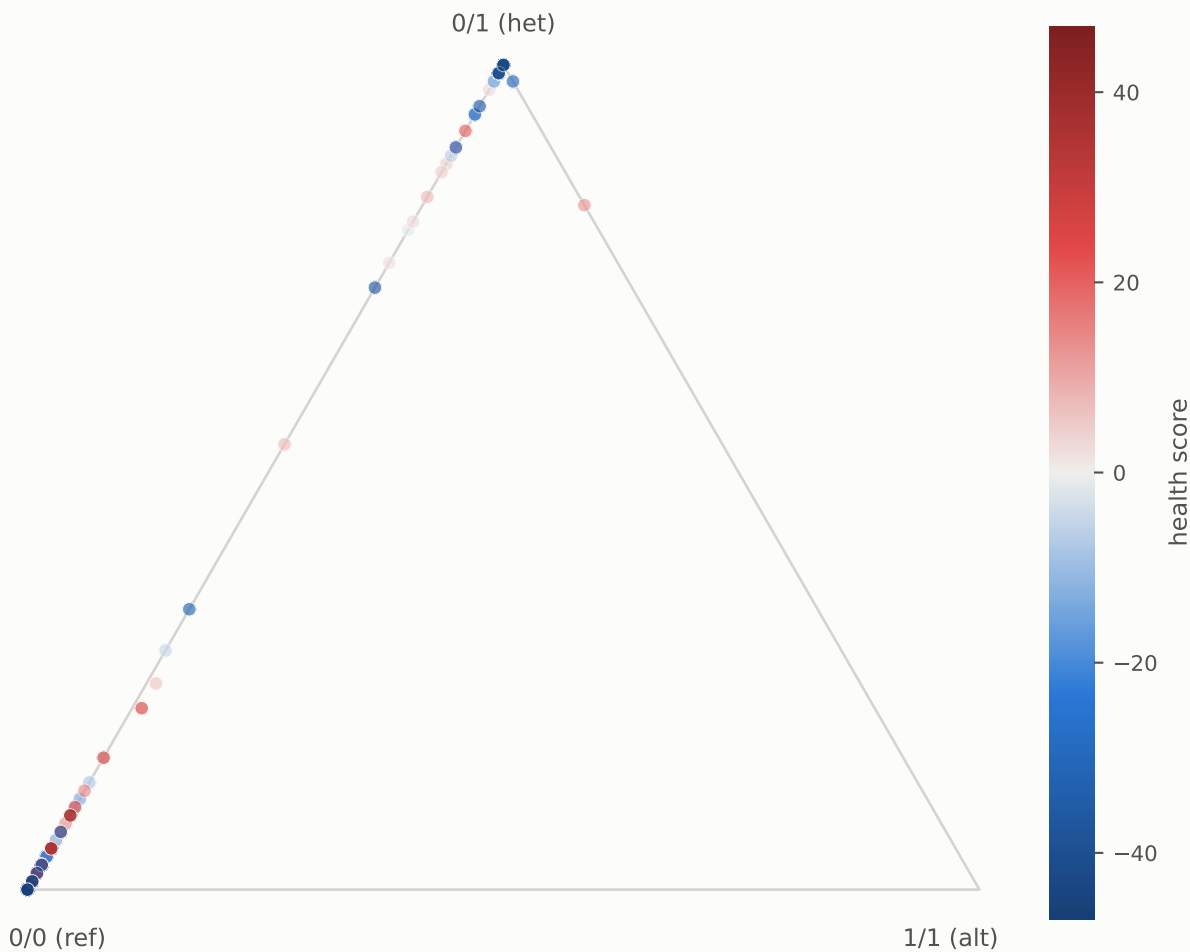
#50 by cluster health separation CHR_10:29,667,979 C>T
AF=0.092 DR2=0.9 r=-0.203 H=0.046 F=18.4



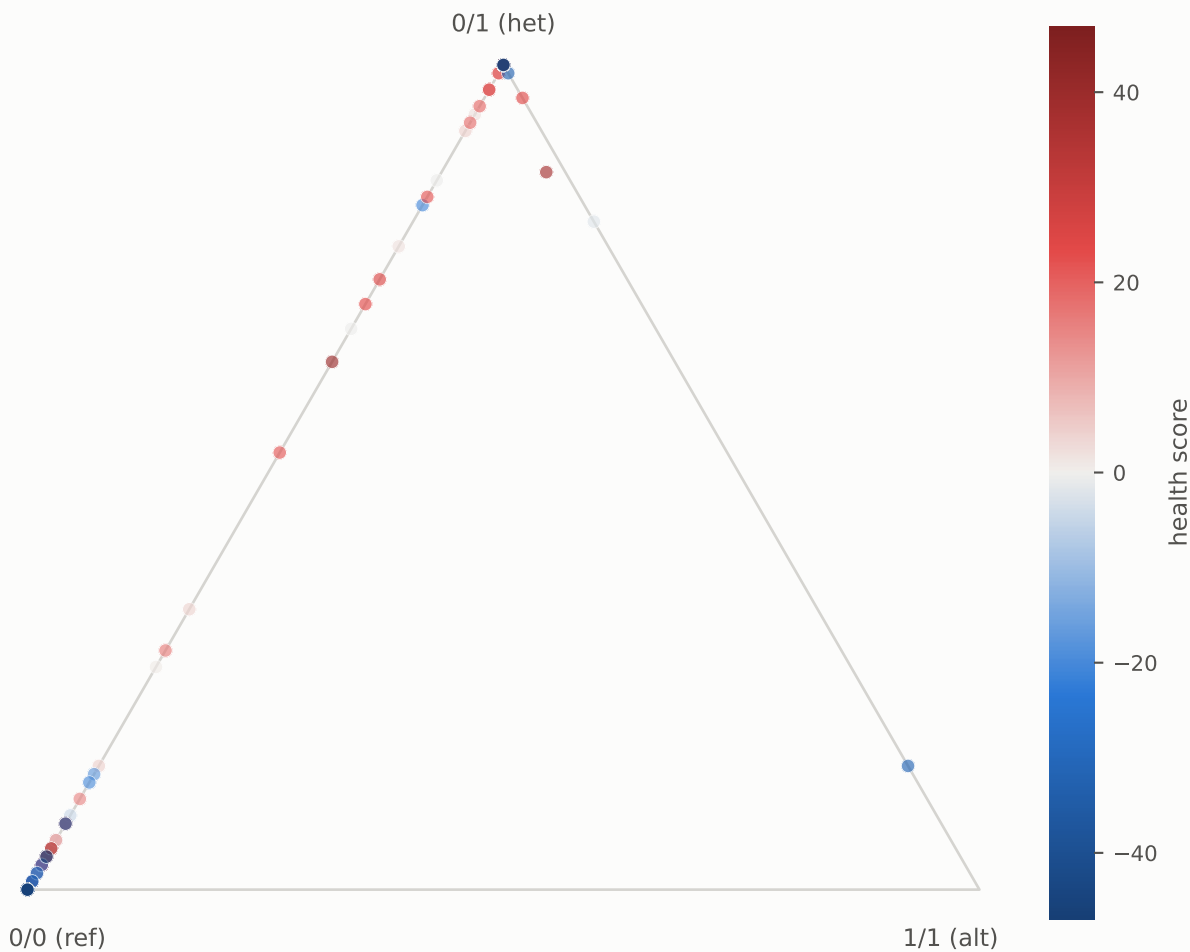
#51 by cluster health separation CHR_07:11,817,889 G>A
AF=0.014 DR2=0.92 r=-0.193 H=0.013 F=18.4



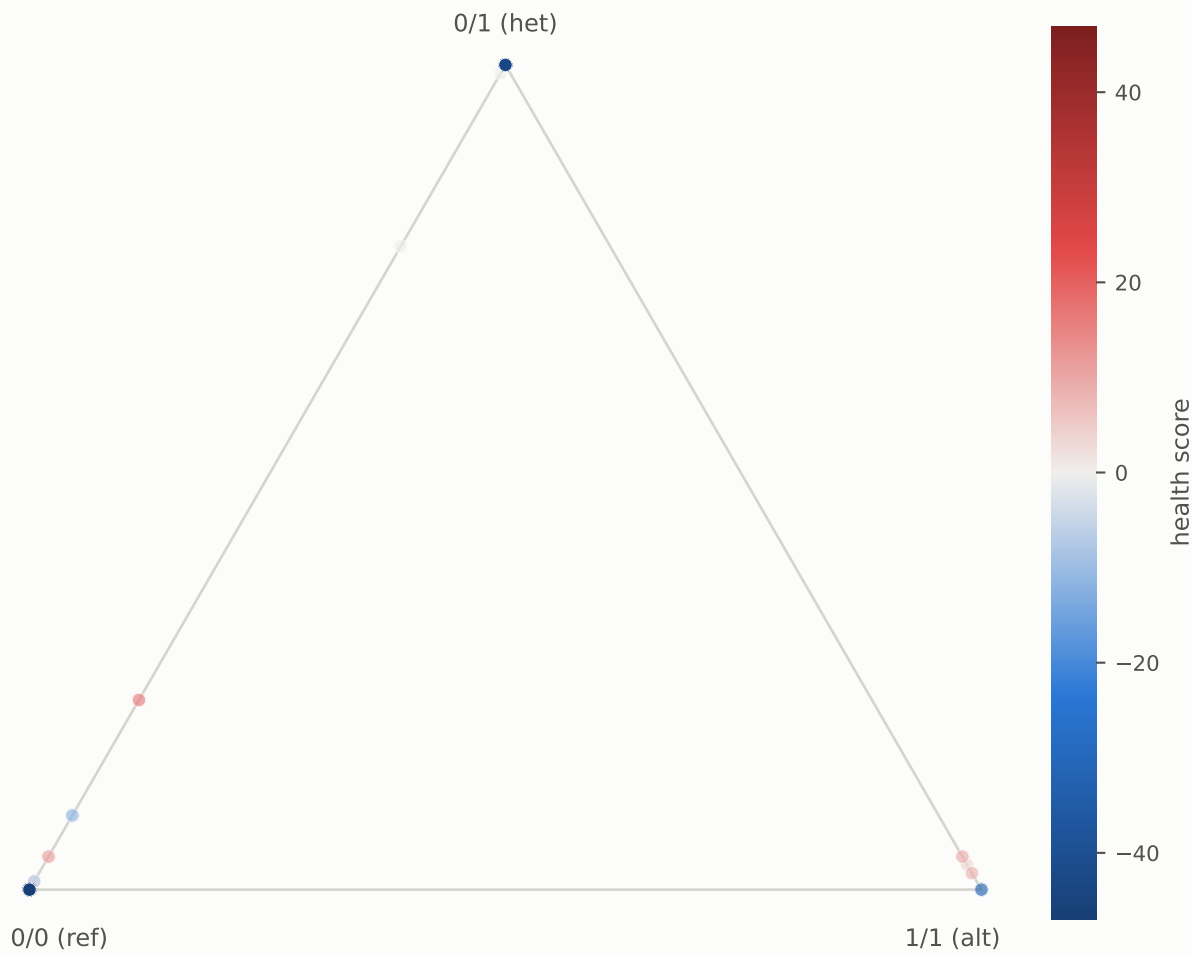
#52 by cluster health separation CHR_22:7,317,076 C>T
AF=0.054 DR2=0.84 r=-0.198 H=0.058 F=18.4



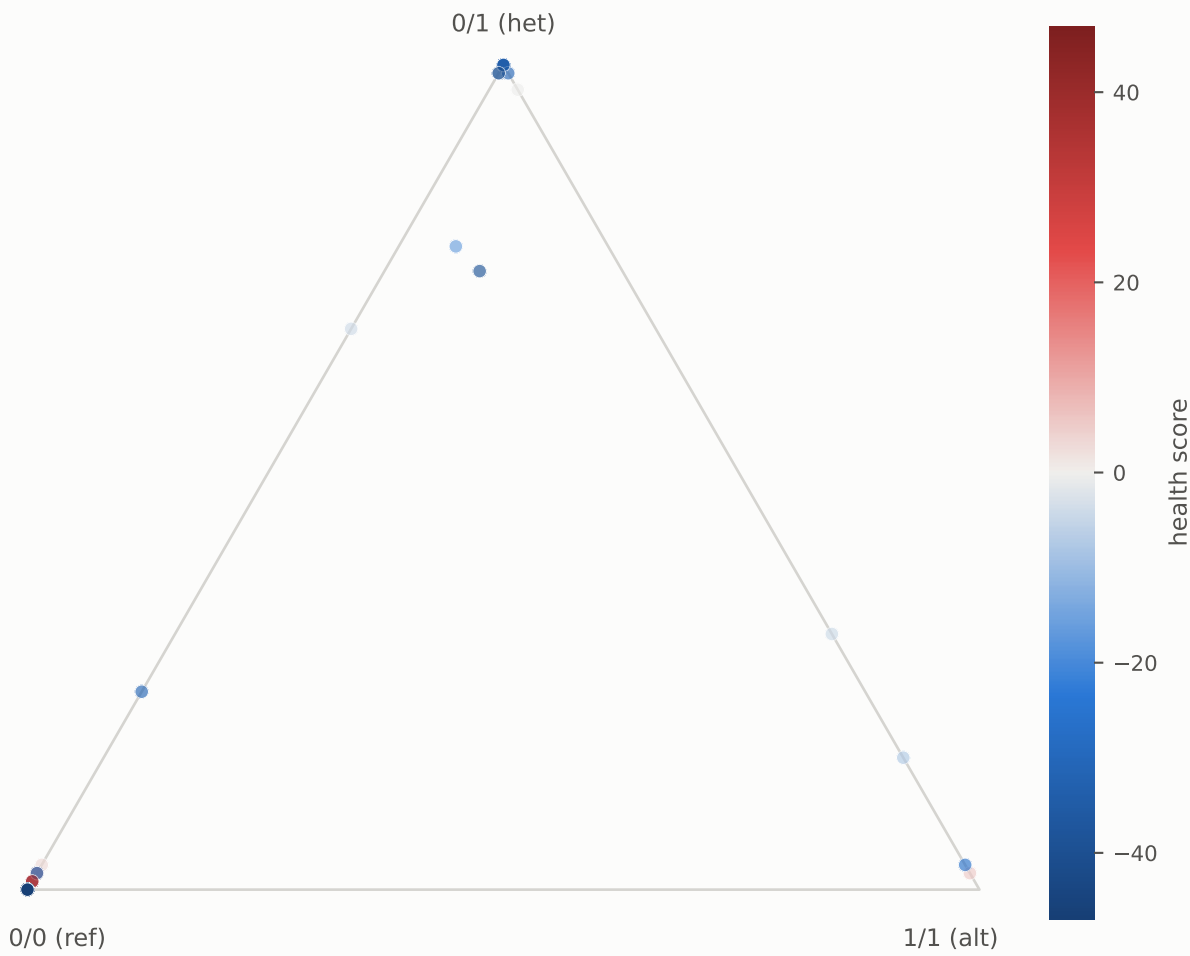
#53 by cluster health separation CHR_02:14,276,676 G>A
AF=0.093 DR2=0.93 r=+0.172 H=0.041 F=18.4



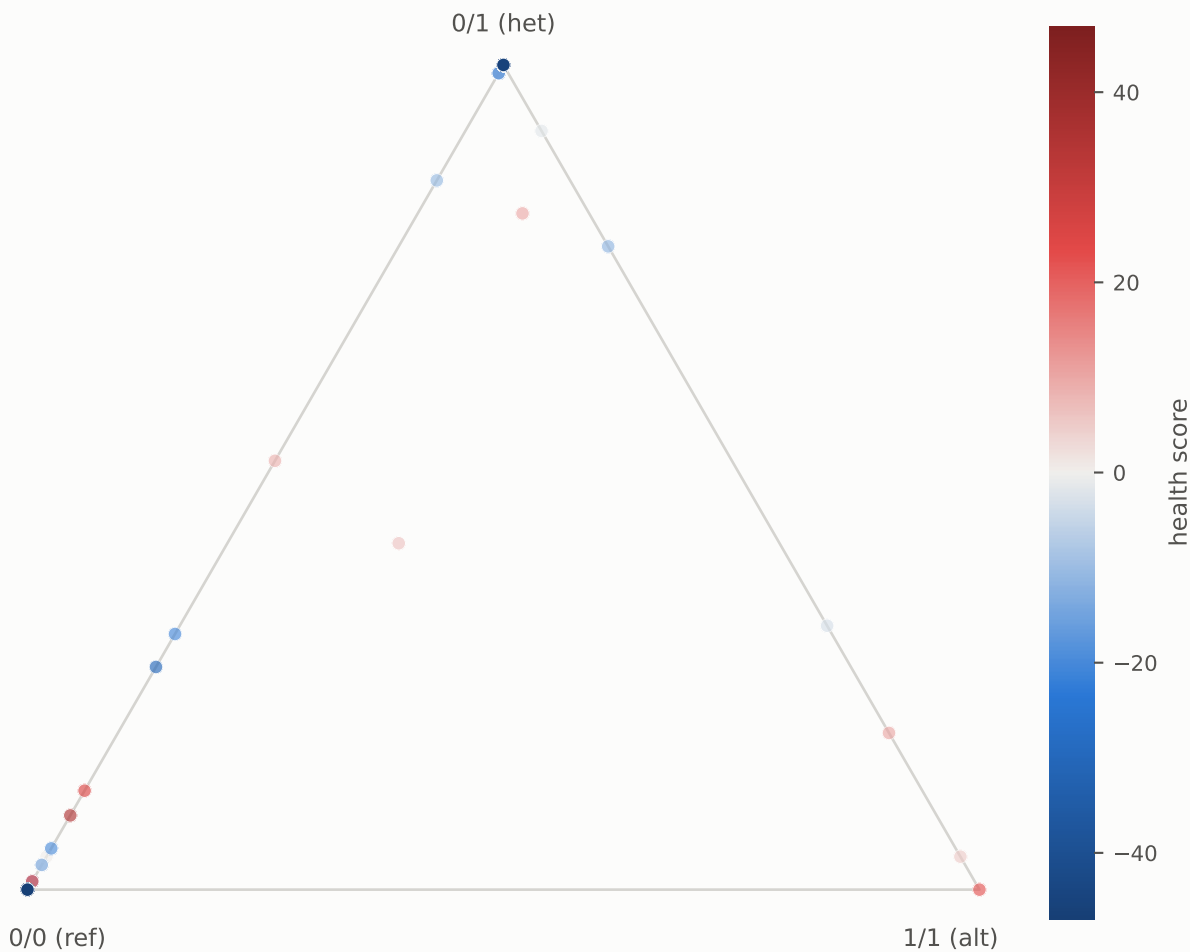
#54 by cluster health separation CHR_22:732,323 G>A
AF=0.059 DR2=0.98 r=-0.177 H=0.005 F=18.3



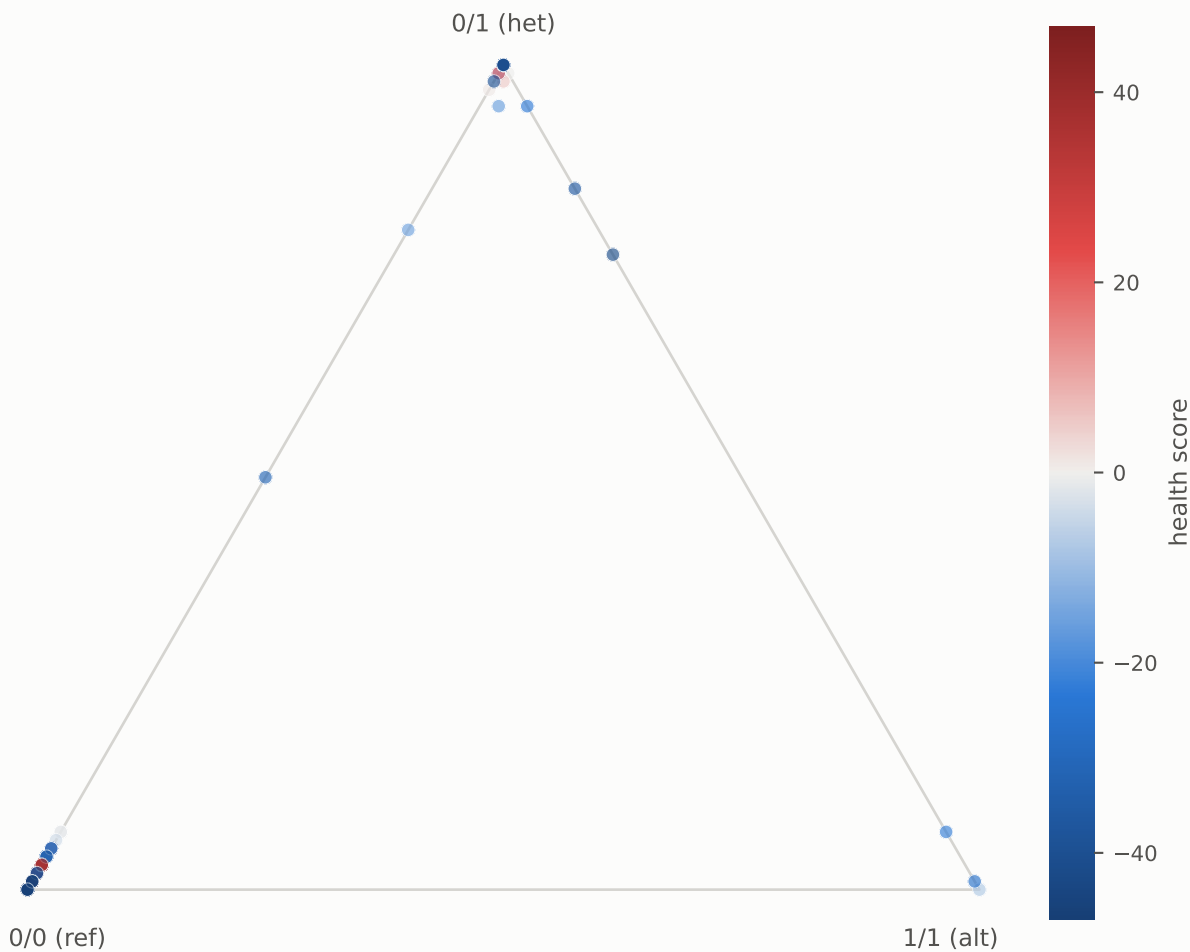
#55 by cluster health separation CHR_21:22,013,806 G>C
AF=0.022 DR2=0.93 r=-0.179 H=0.012 F=18.3



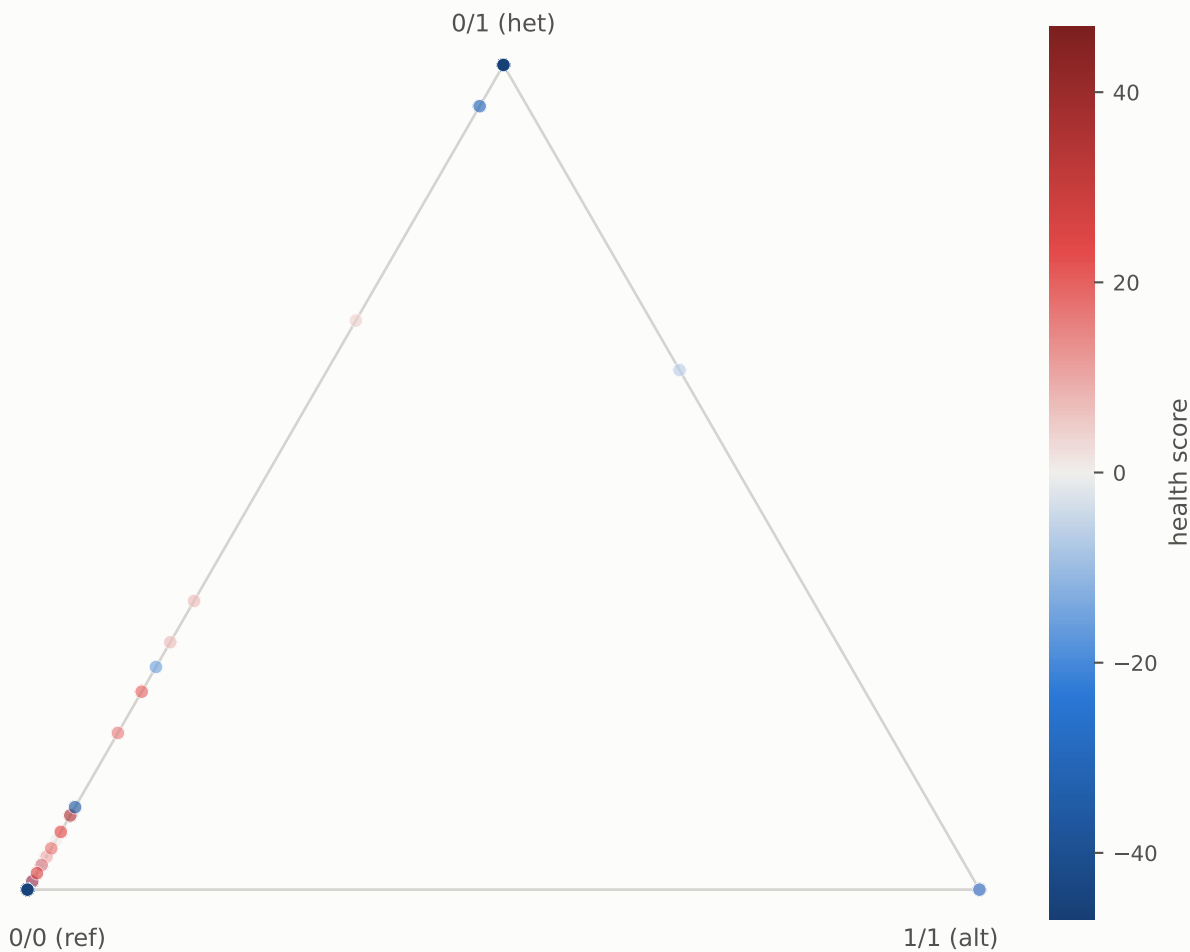
#56 by cluster health separation CHR_02:43,160,701 C>T
AF=0.075 DR2=0.97 r=-0.165 H=0.017 F=18.3



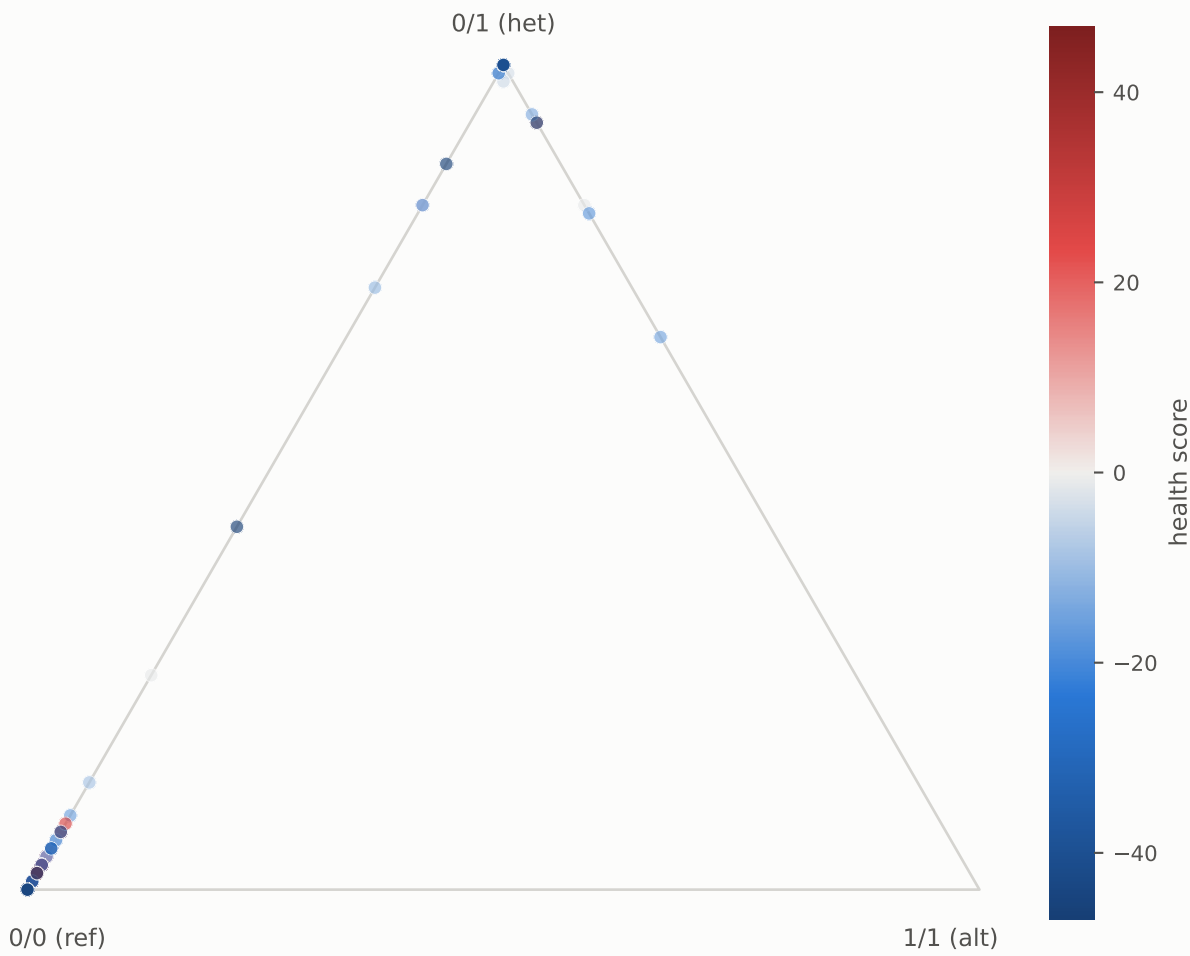
#57 by cluster health separation CHR_21:22,010,997 C>A
AF=0.027 DR2=0.83 r=-0.221 H=0.044 F=18.3



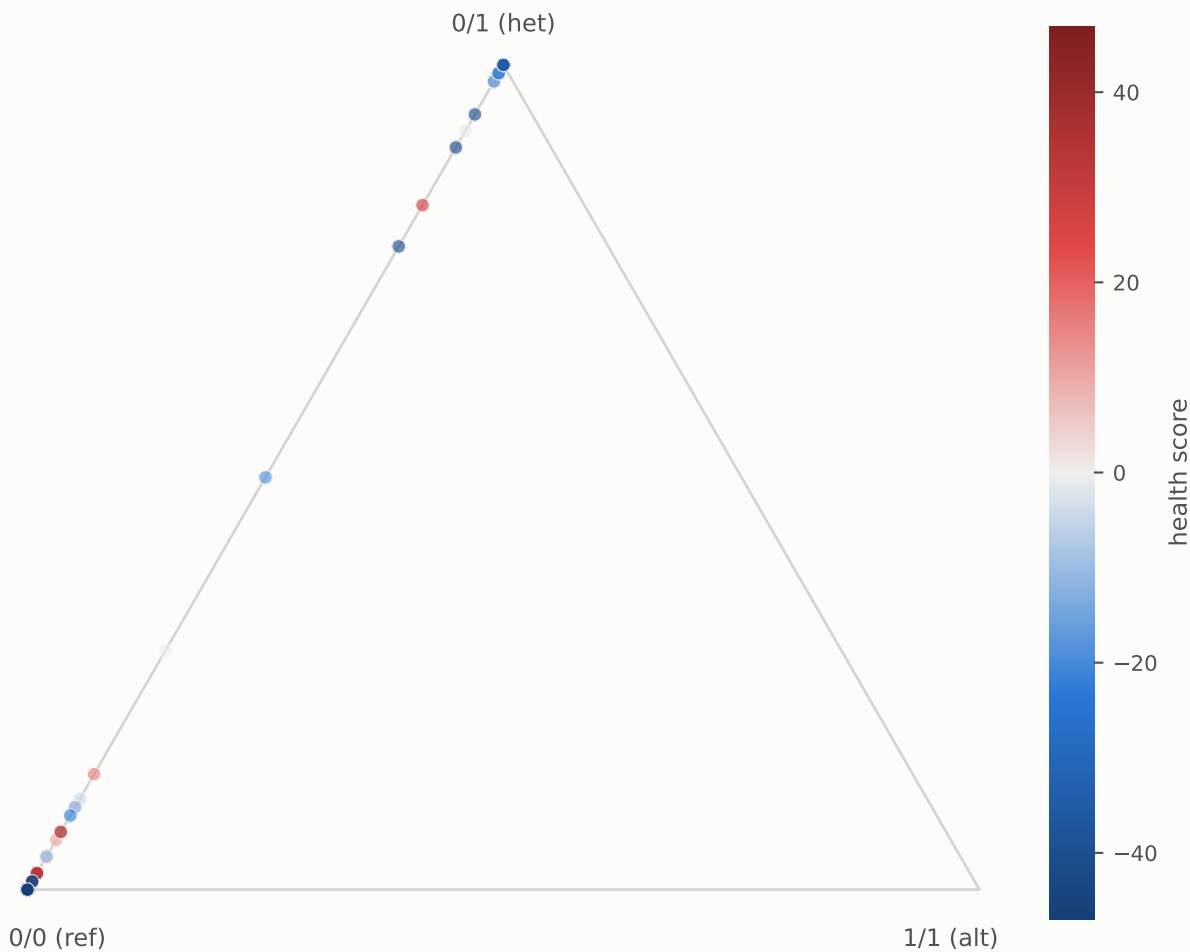
#58 by cluster health separation CHR_11:22,605,240 G>A
AF=0.065 DR2=0.96 r=-0.184 H=0.015 F=18.2



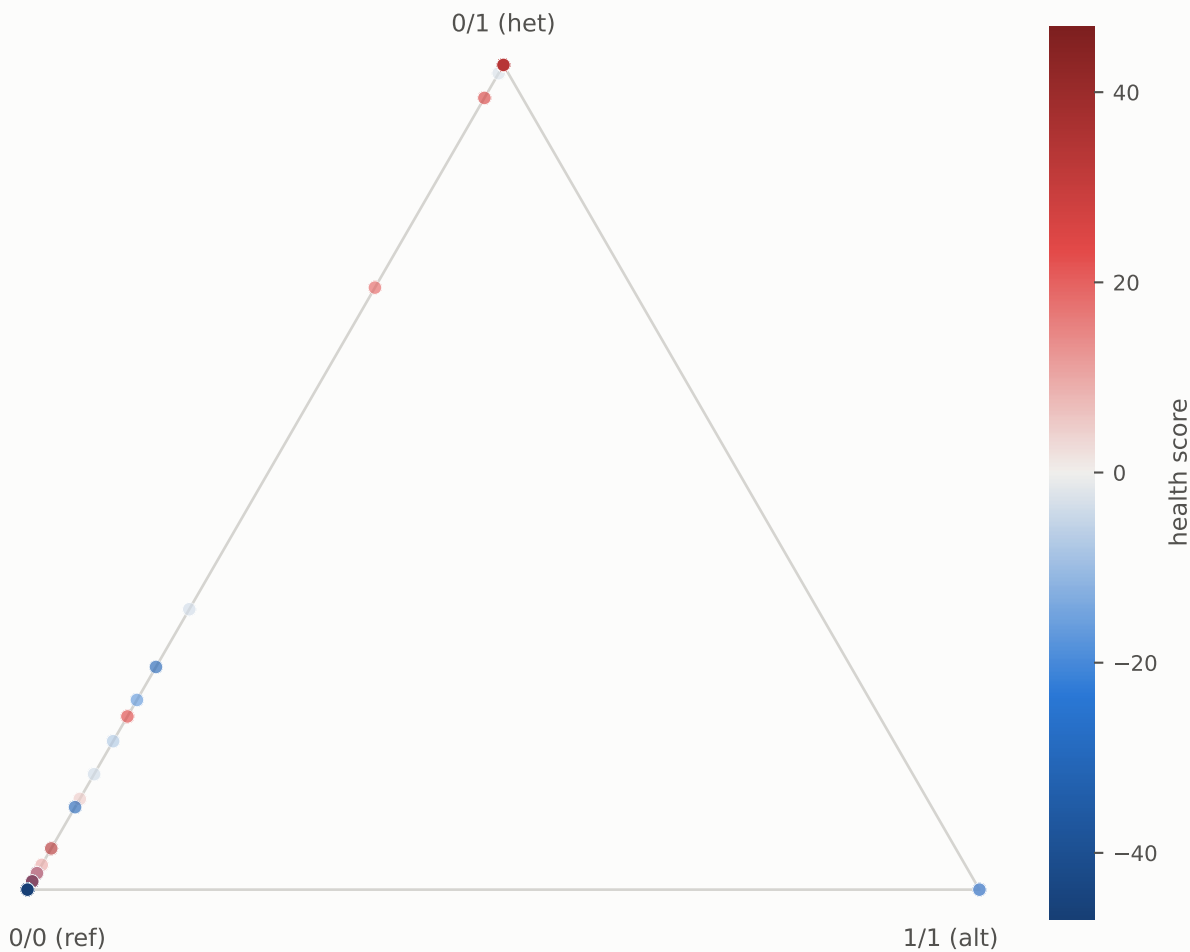
#59 by cluster health separation CHR_01:3,660,231 G>A
AF=0.034 DR2=0.84 r=-0.207 H=0.039 F=18.2



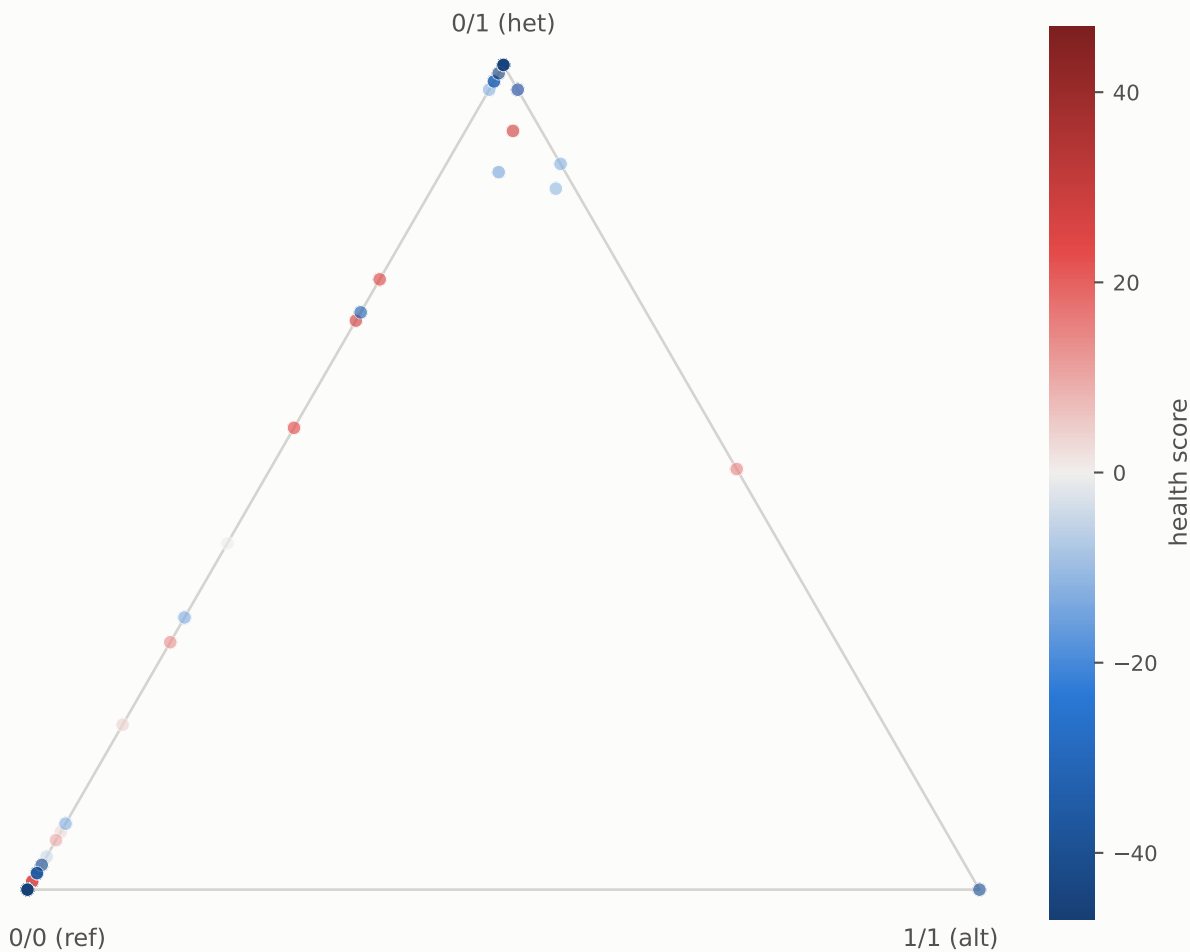
#60 by cluster health separation CHR_03:11,338,449 G>T
AF=0.037 DR2=0.92 r=-0.197 H=0.019 F=18.2



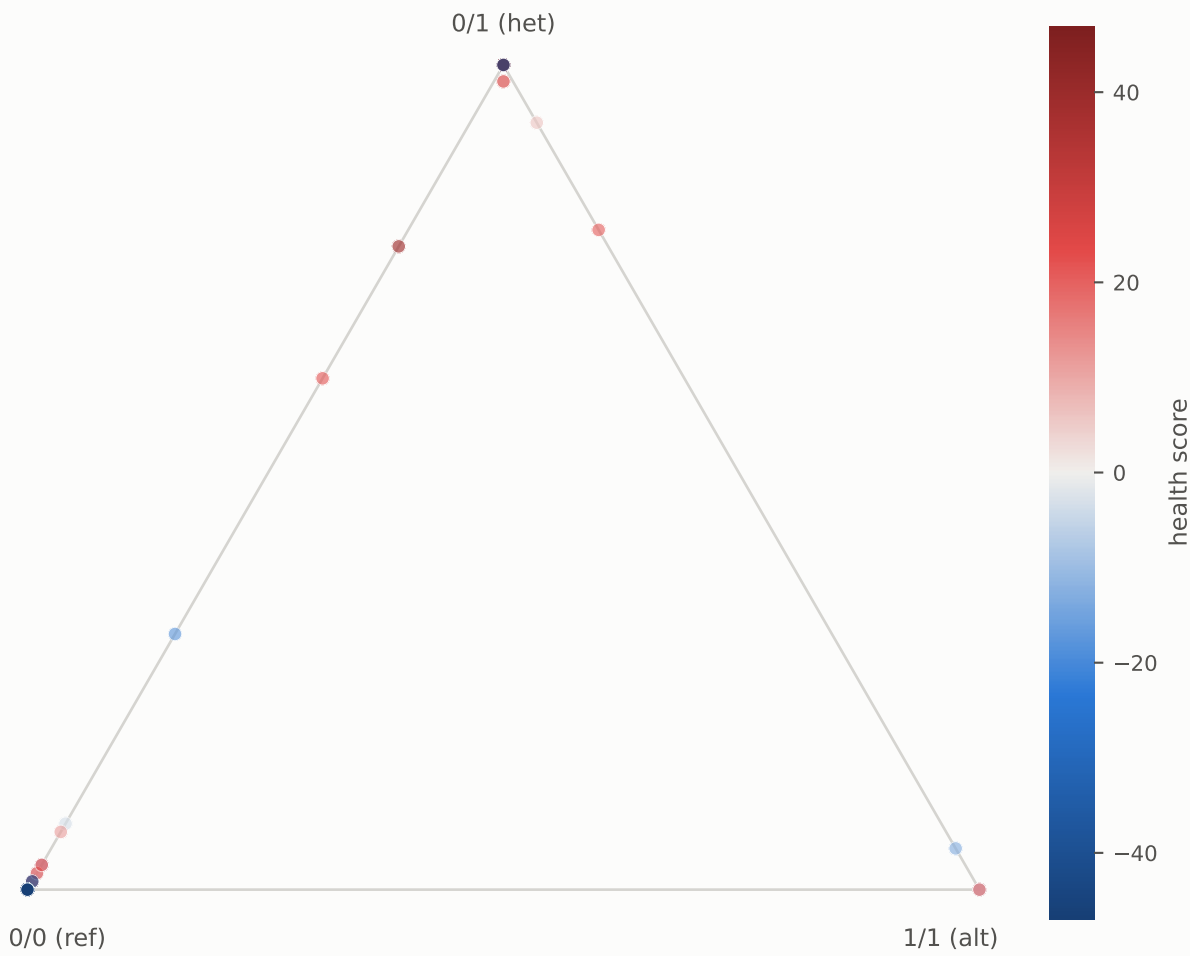
#61 by cluster health separation CHR_03:18,948,760 G>A
AF=0.049 DR2=0.95 $r=+0.160$ $\bar{H}=0.014$ F=18.1



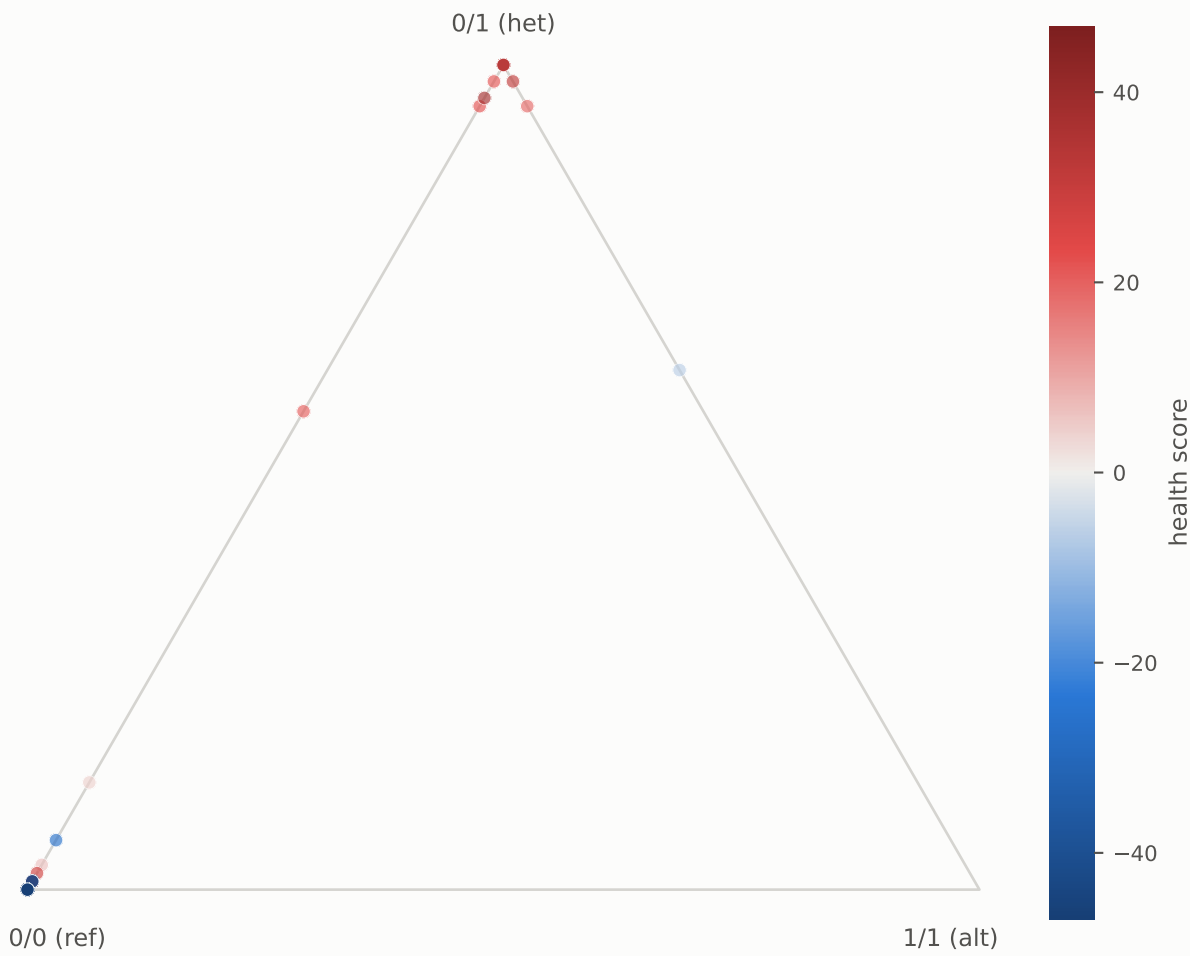
#62 by cluster health separation CHR_04:40,306,967 A>T
AF=0.049 DR2=0.92 r=-0.223 H=0.024 F=18.1



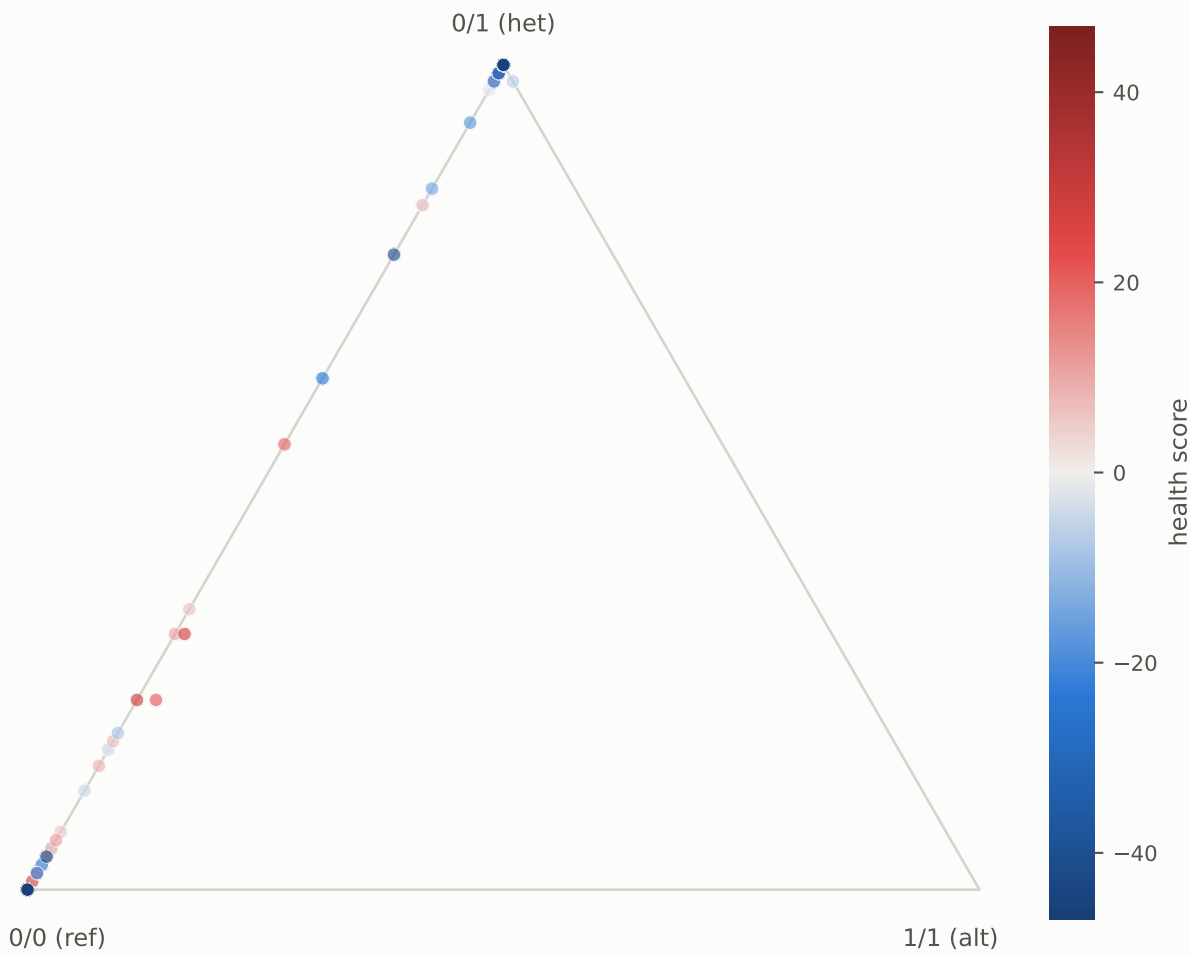
#63 by cluster health separation CHR_02:15,570,414 G>A
AF=0.053 DR2=0.98 r=+0.163 H=0.010 F=18.0



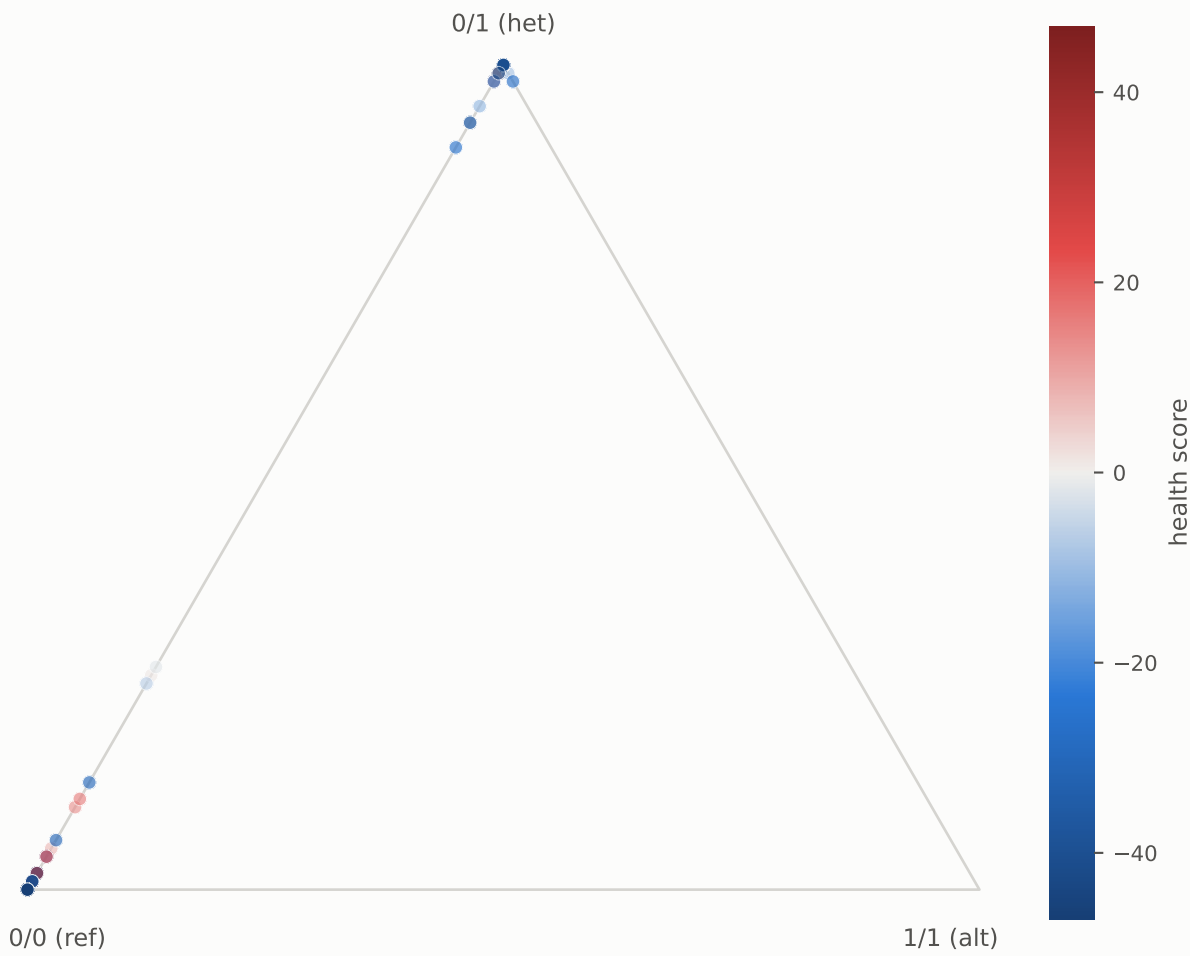
#64 by cluster health separation CHR_01:38,768,261 C>A
AF=0.012 DR2=0.85 r=+0.187 H=0.012 F=17.9



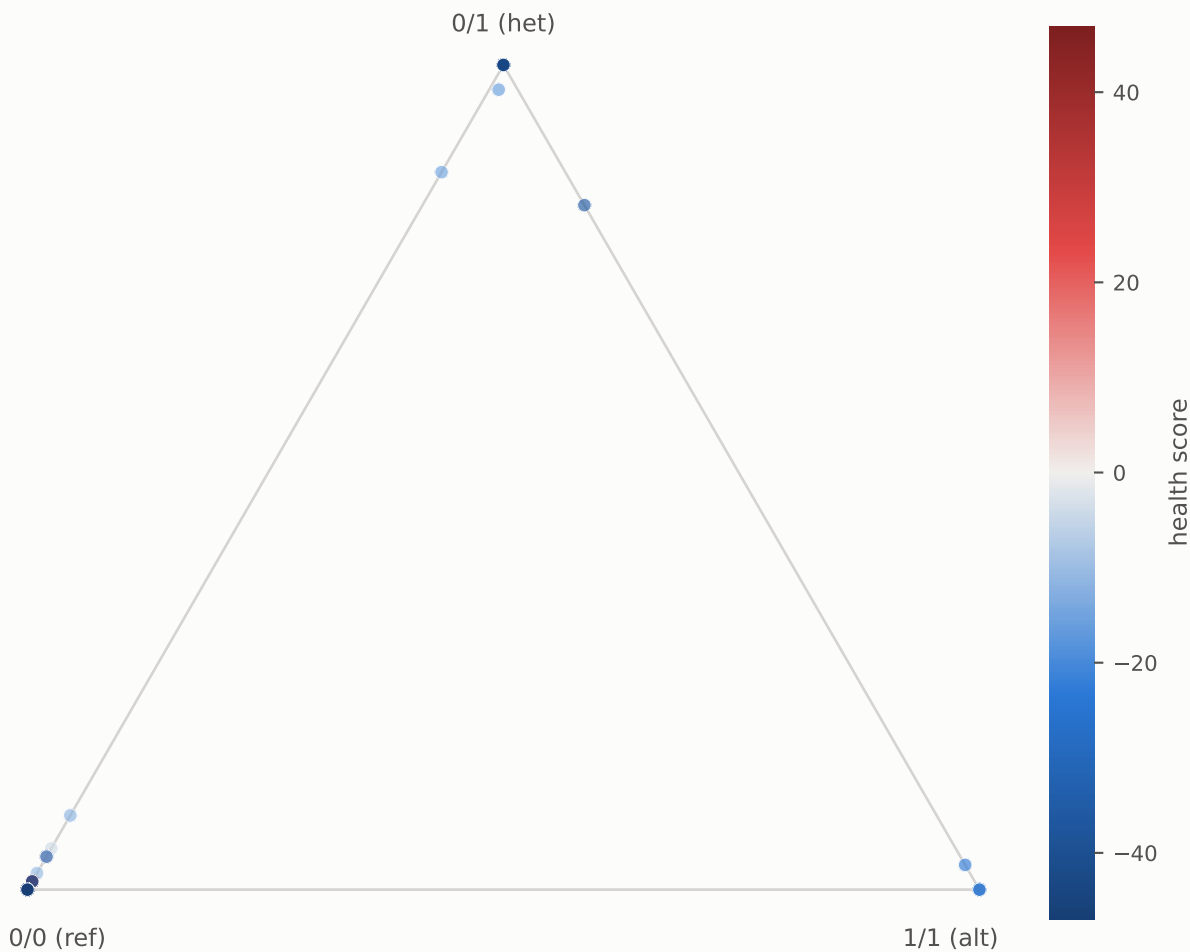
#65 by cluster health separation CHR_20:3,736,314 A>T
AF=0.075 DR2=0.94 $r=-0.187$ H=0.028 F=17.9



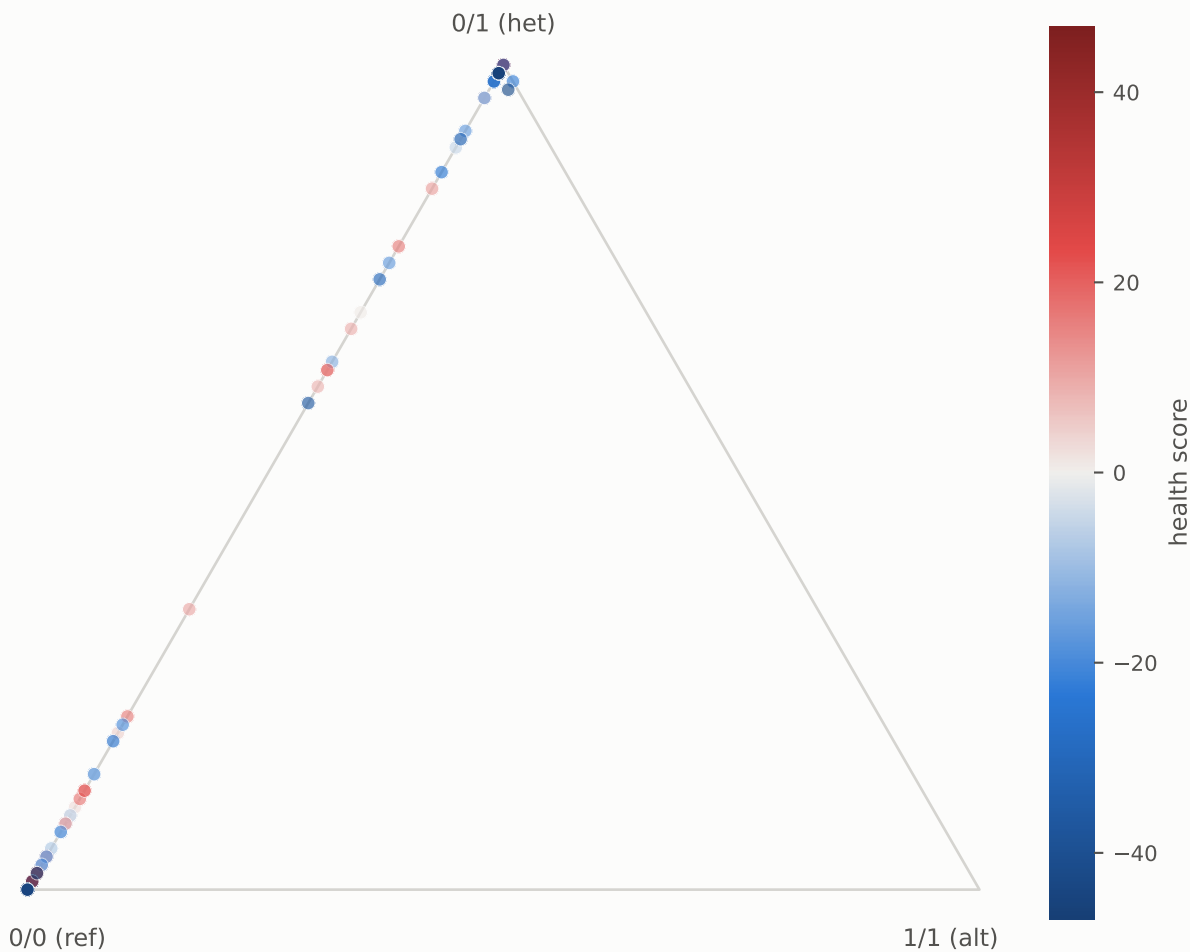
#66 by cluster health separation CHR_03:21,006,868 G>A
AF=0.051 DR2=0.95 $r=-0.197$ $H=0.017$ $F=17.8$



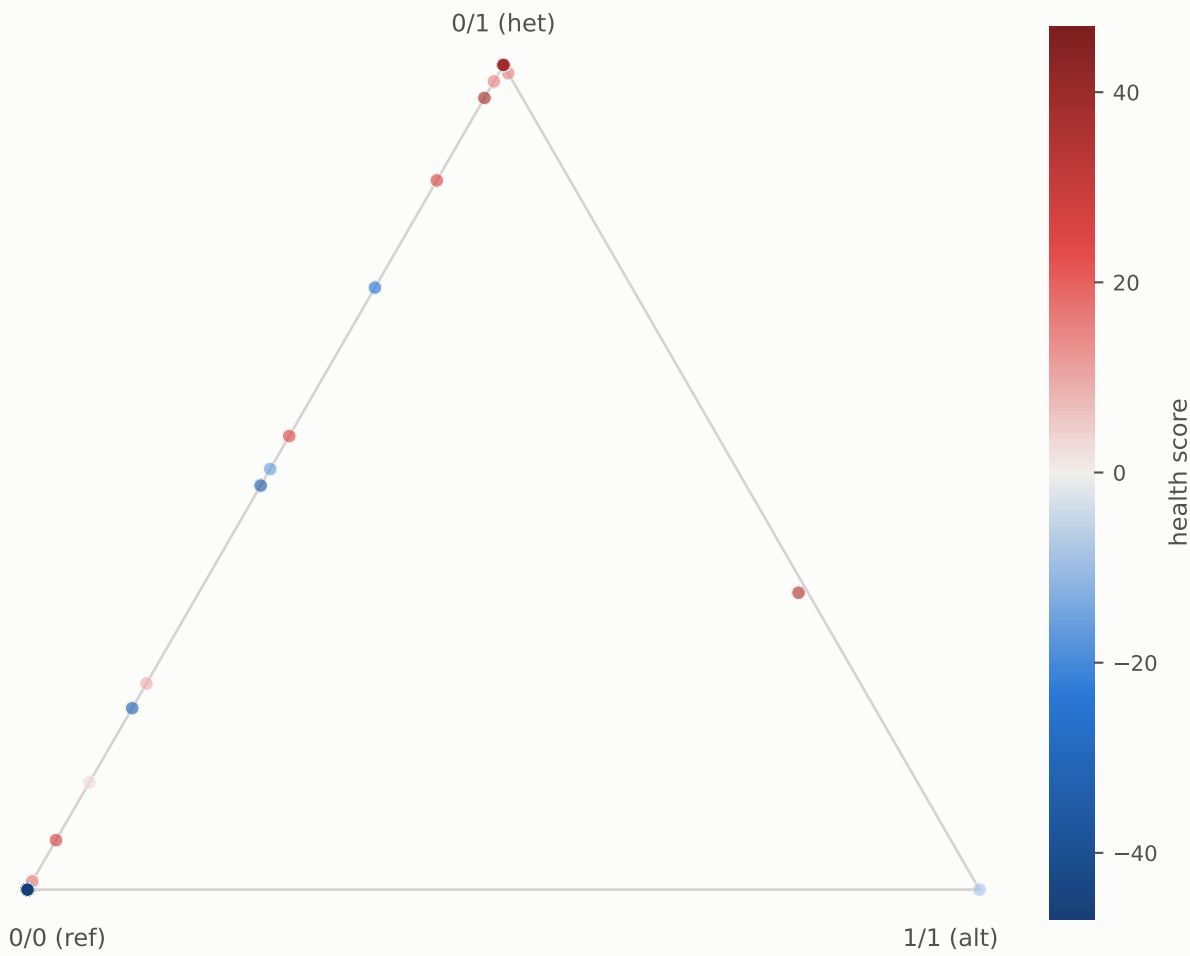
#67 by cluster health separation CHR_21:22,010,501 C>T
AF=0.02 DR2=0.97 r=-0.213 H=0.006 F=17.8



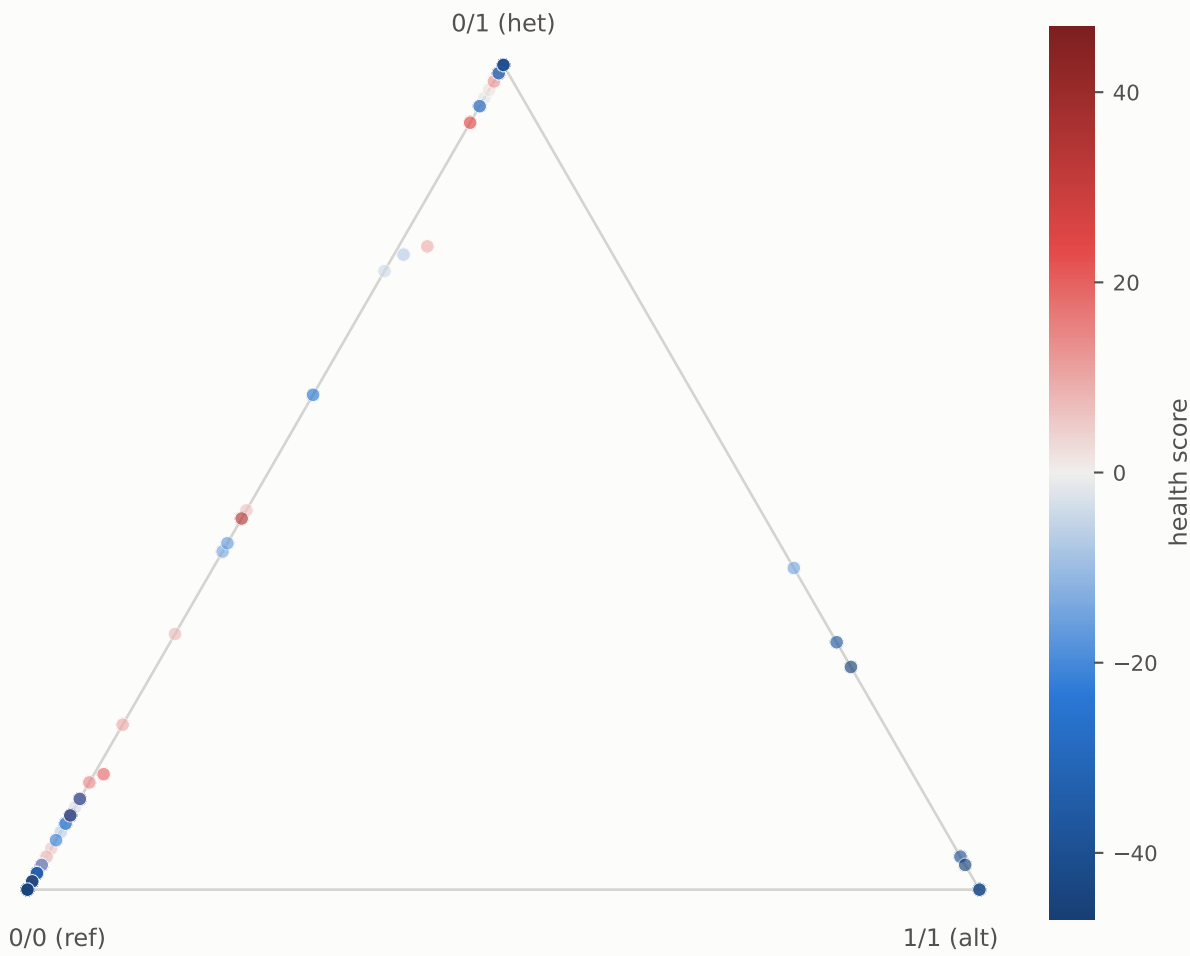
#68 by cluster health separation unpl-scaff_074:35,951 G>A
AF=0.07 DR2=0.89 r=-0.201 H=0.043 F=17.8



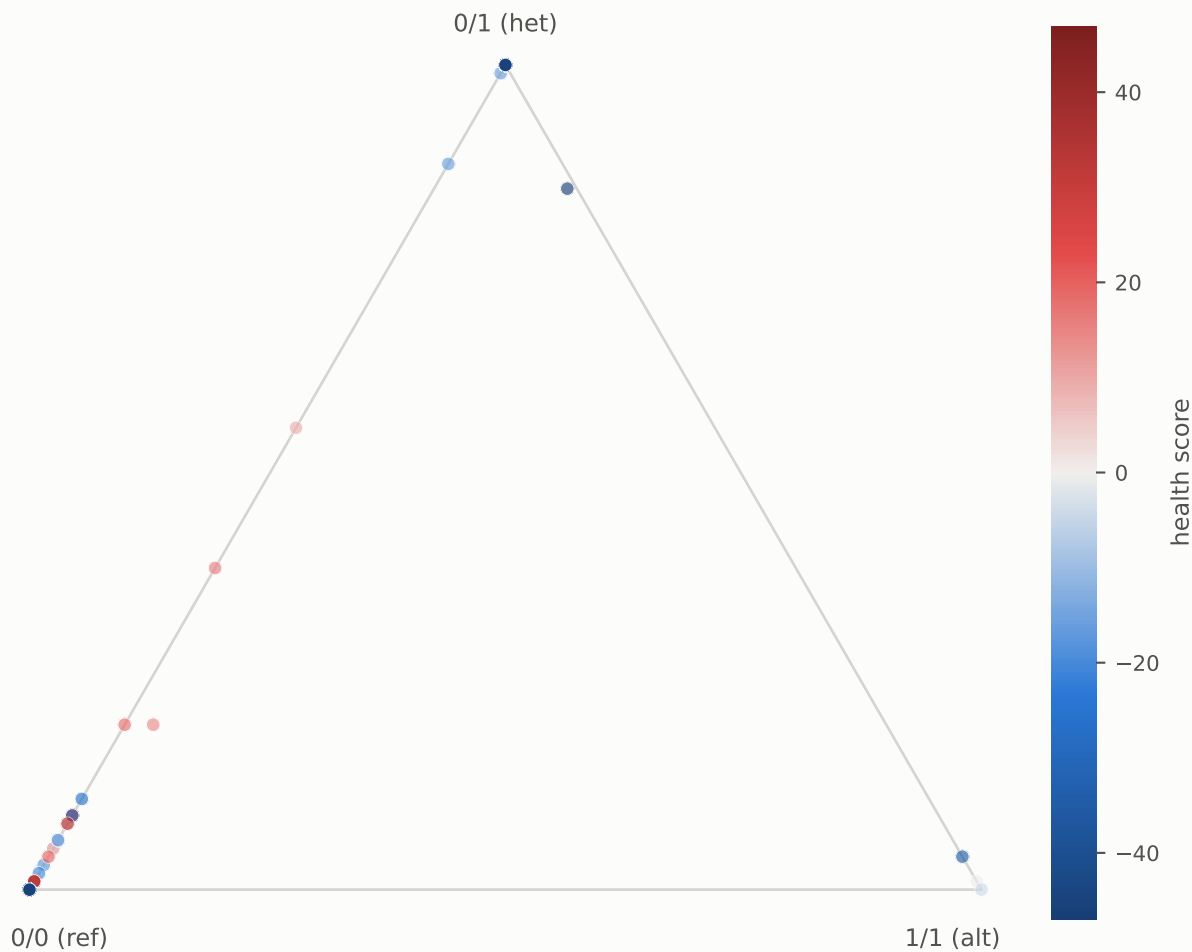
#69 by cluster health separation CHR_16:15,314,877 G>A
AF=0.047 DR2=0.93 r=+0.191 H=0.013 F=17.8



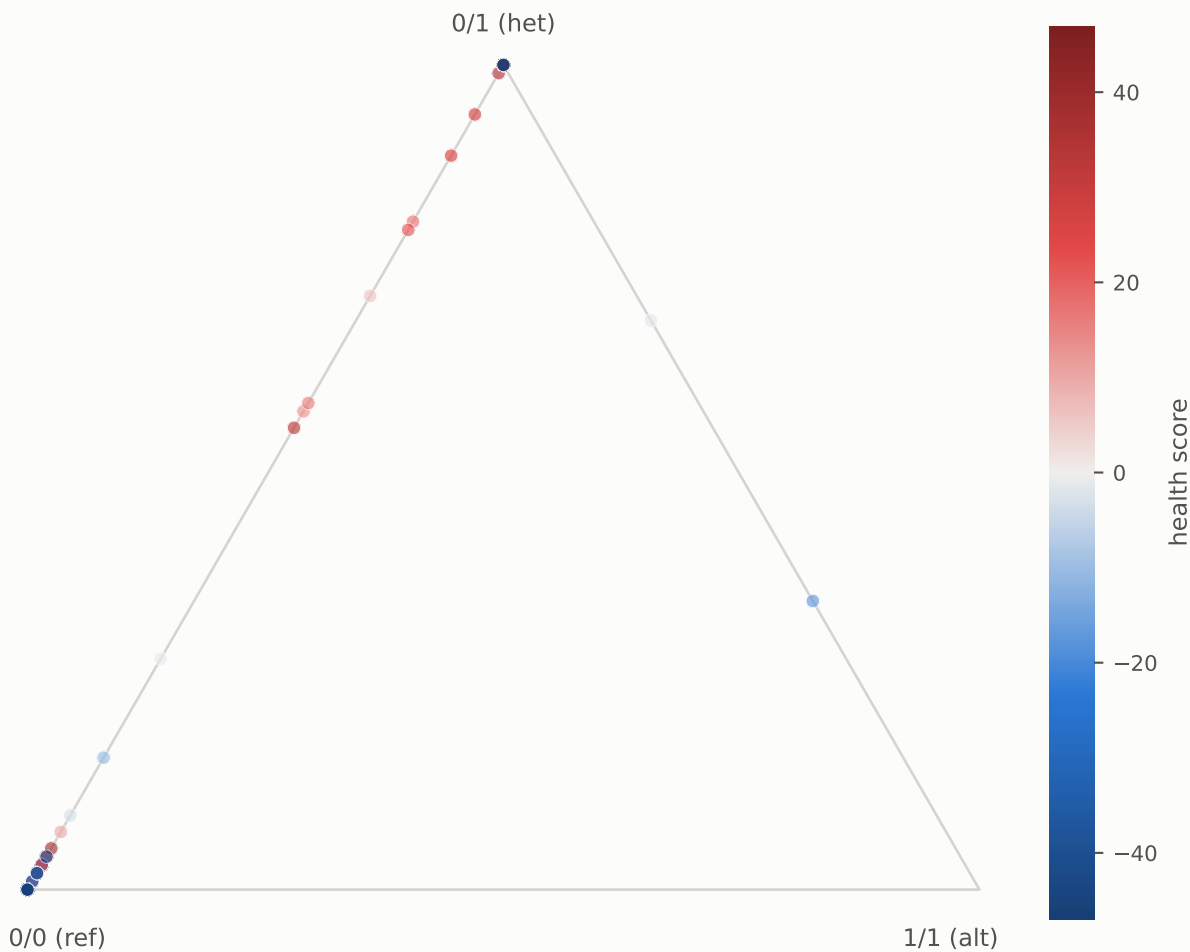
#70 by cluster health separation CHR_10:30,710,845 A>G
AF=0.064 DR2=0.9 r=-0.206 H=0.041 F=17.8



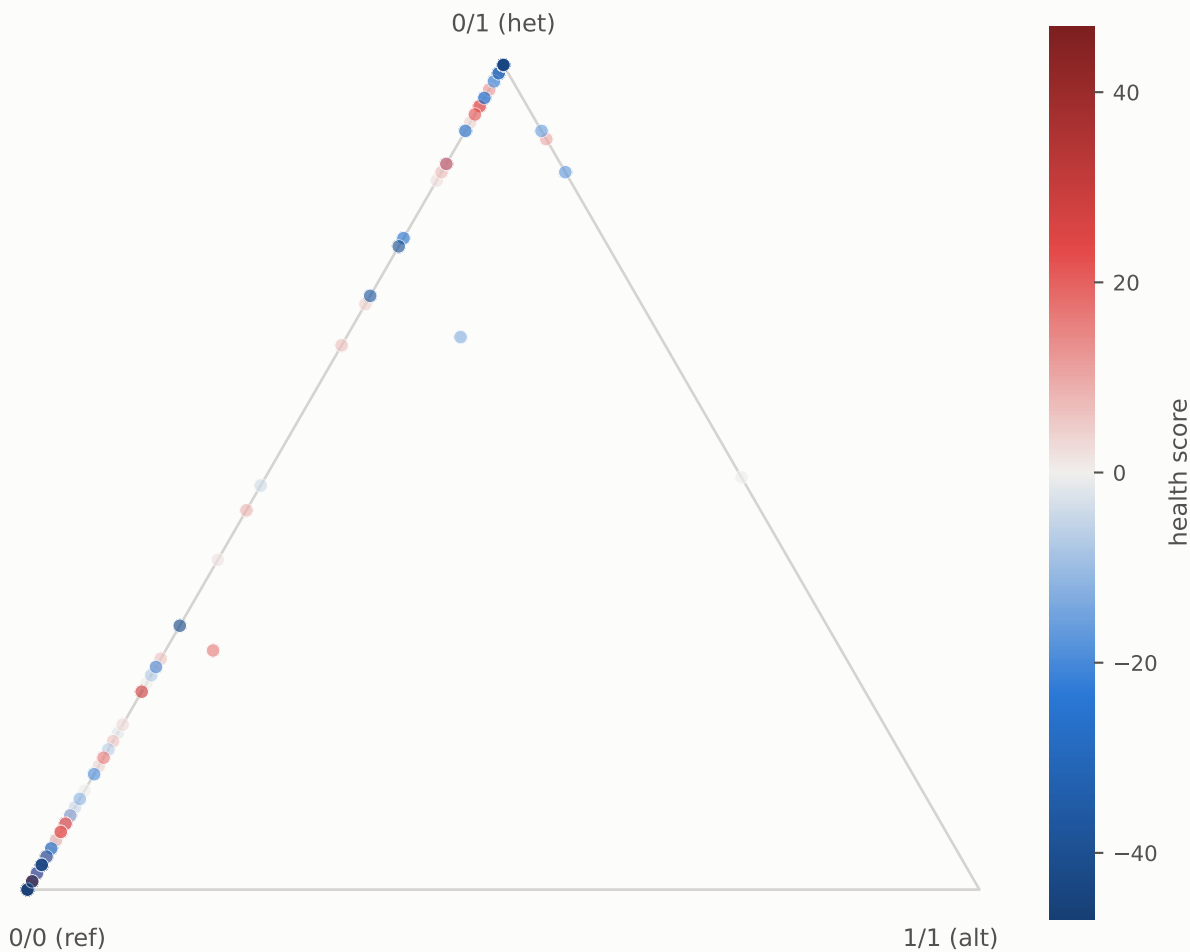
#71 by cluster health separation CHR_09:10,413,406 T>A
AF=0.048 DR2=0.96 r=-0.200 H=0.016 F=17.7



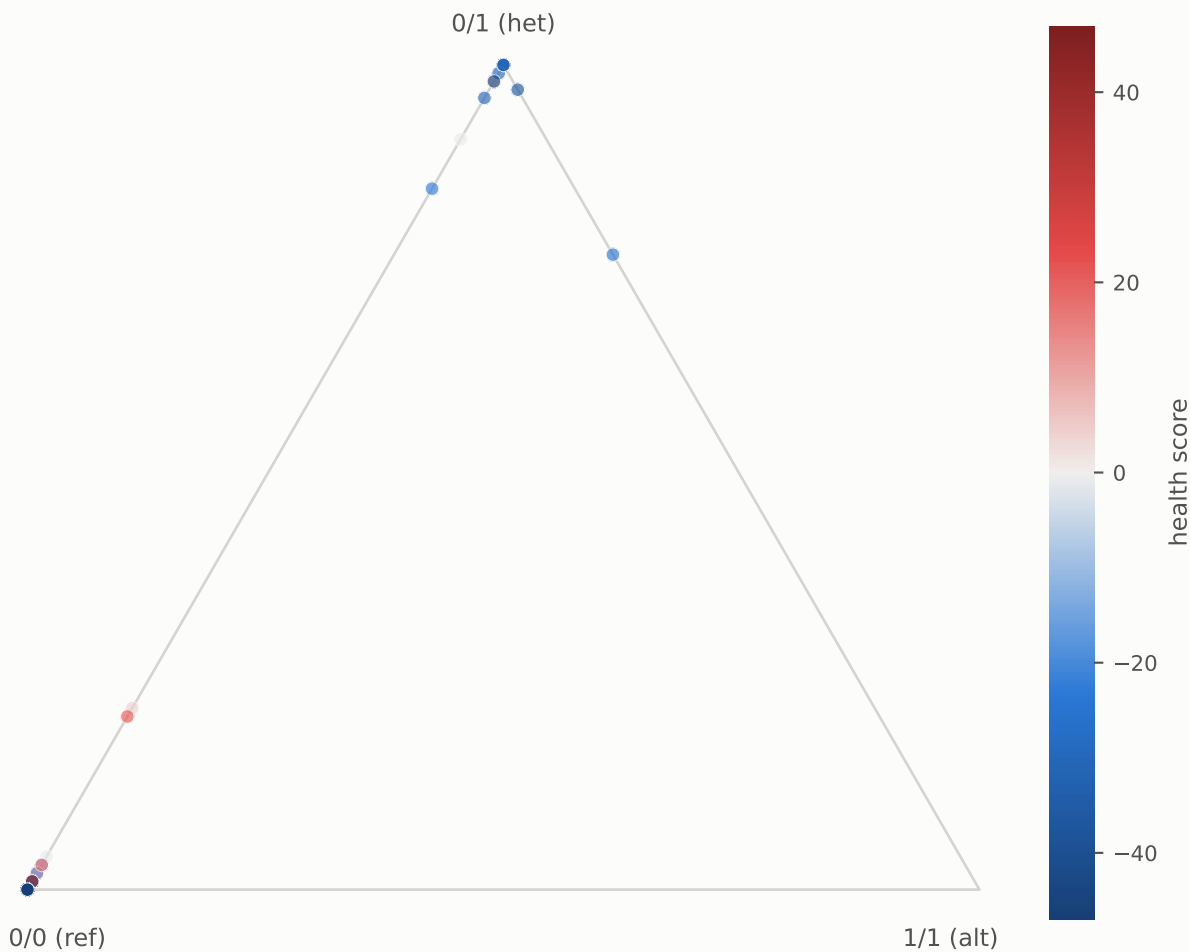
#72 by cluster health separation CHR_02:45,838,883 A>G
AF=0.058 DR2=0.93 r=+0.170 H=0.027 F=17.7



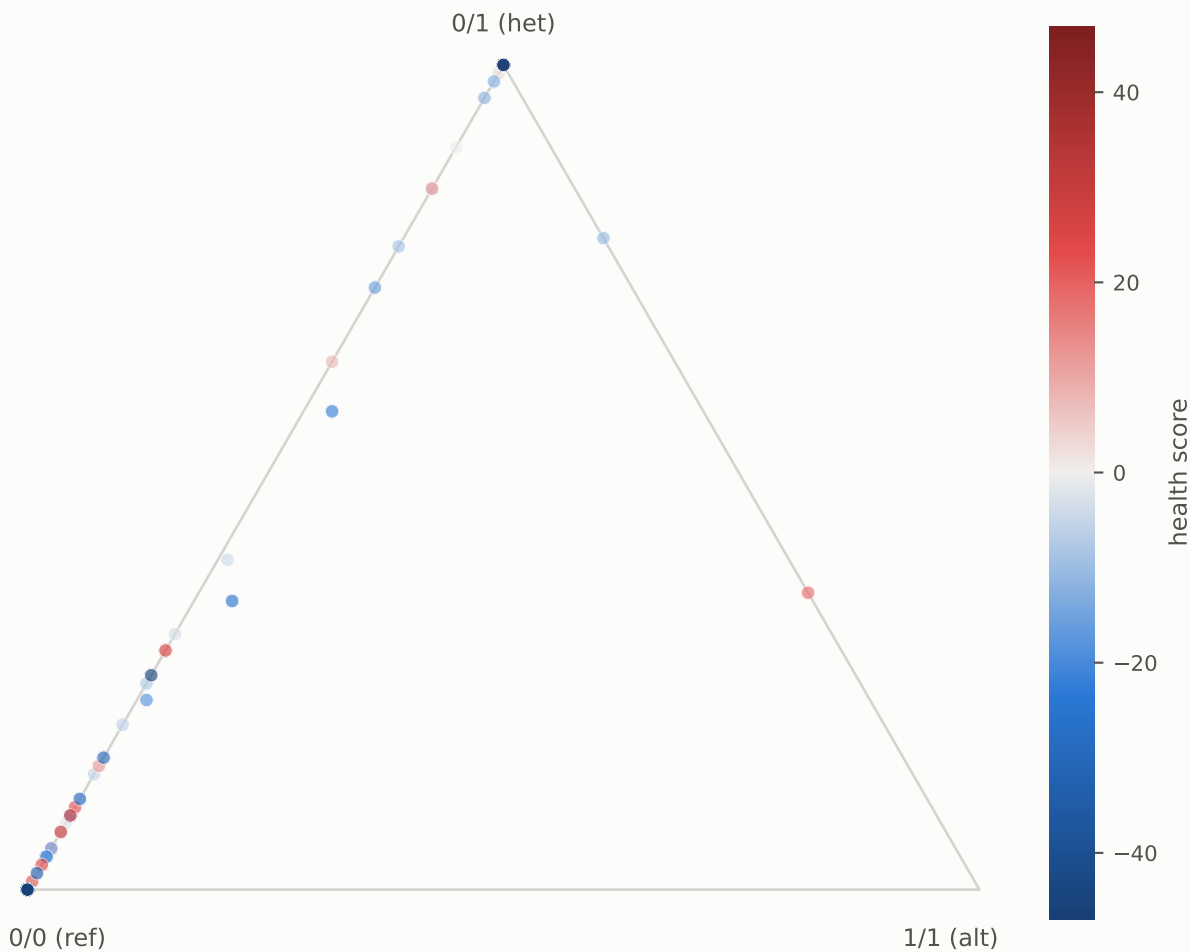
#73 by cluster health separation CHR_10:9,826,861 G>A
AF=0.14 DR2=0.91 r=-0.195 H=0.062 F=17.7



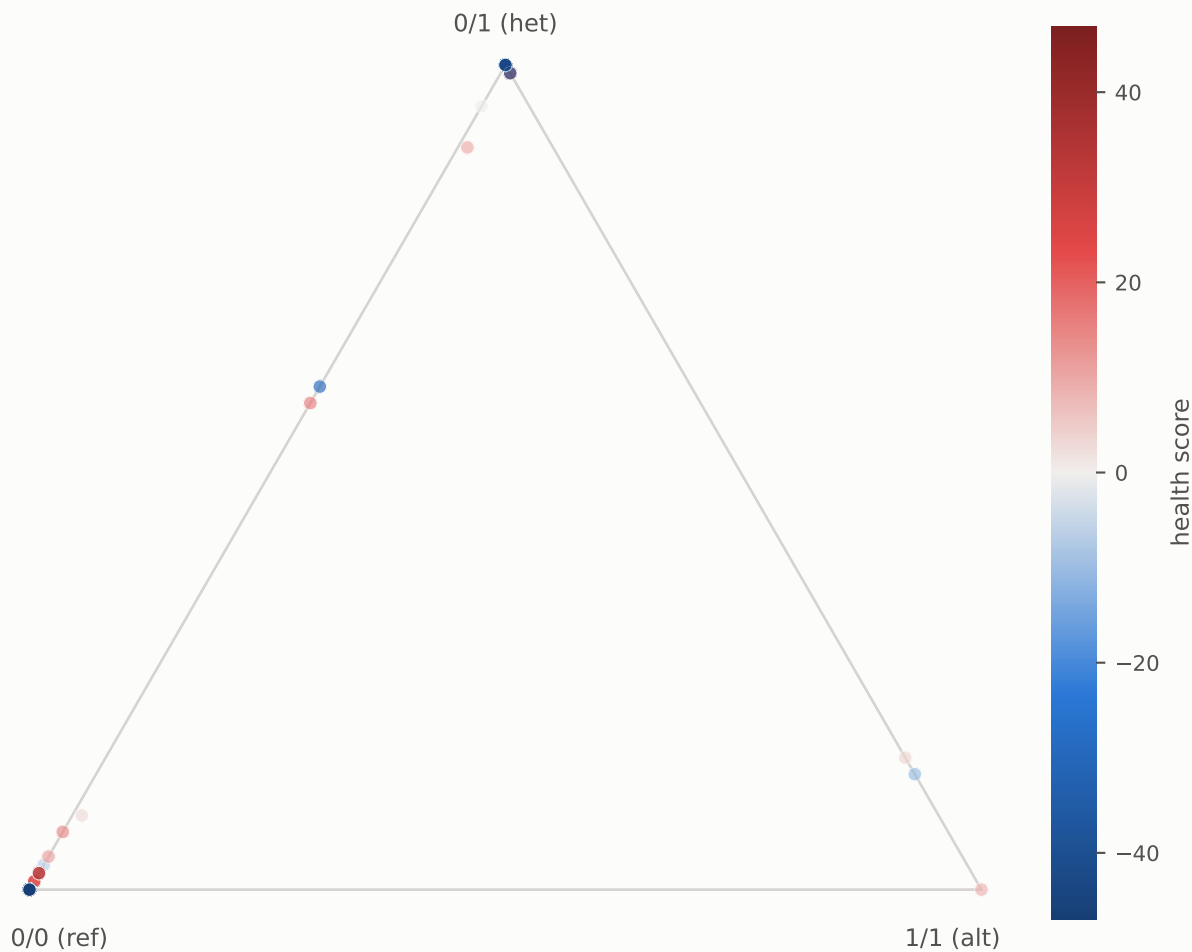
#74 by cluster health separation CHR_10:11,097,123 T>A
AF=0.023 DR2=0.92 r=-0.192 H=0.013 F=17.7



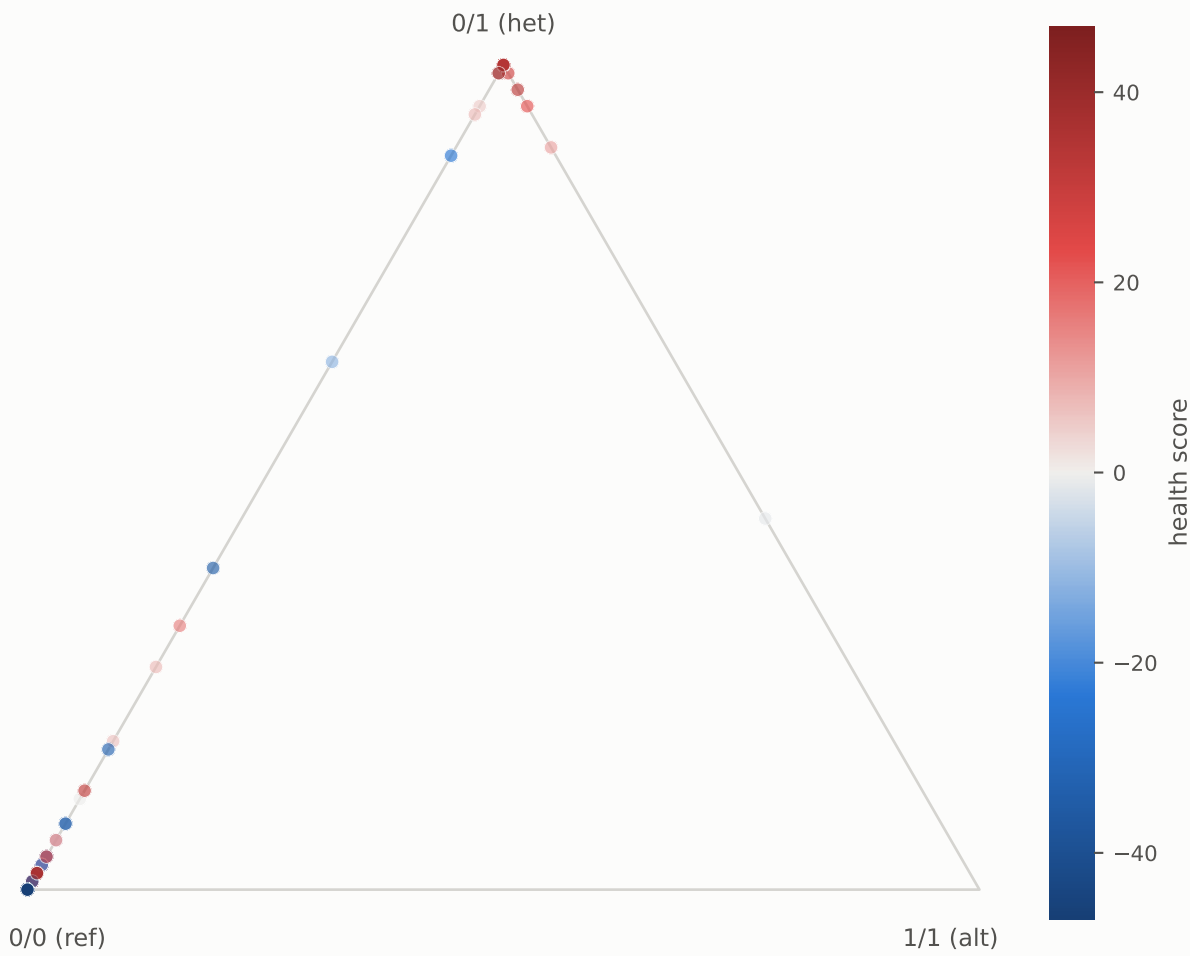
#75 by cluster health separation CHR_18:5,407,087 G>A
AF=0.052 DR2=0.86 r=-0.189 H=0.036 F=17.6



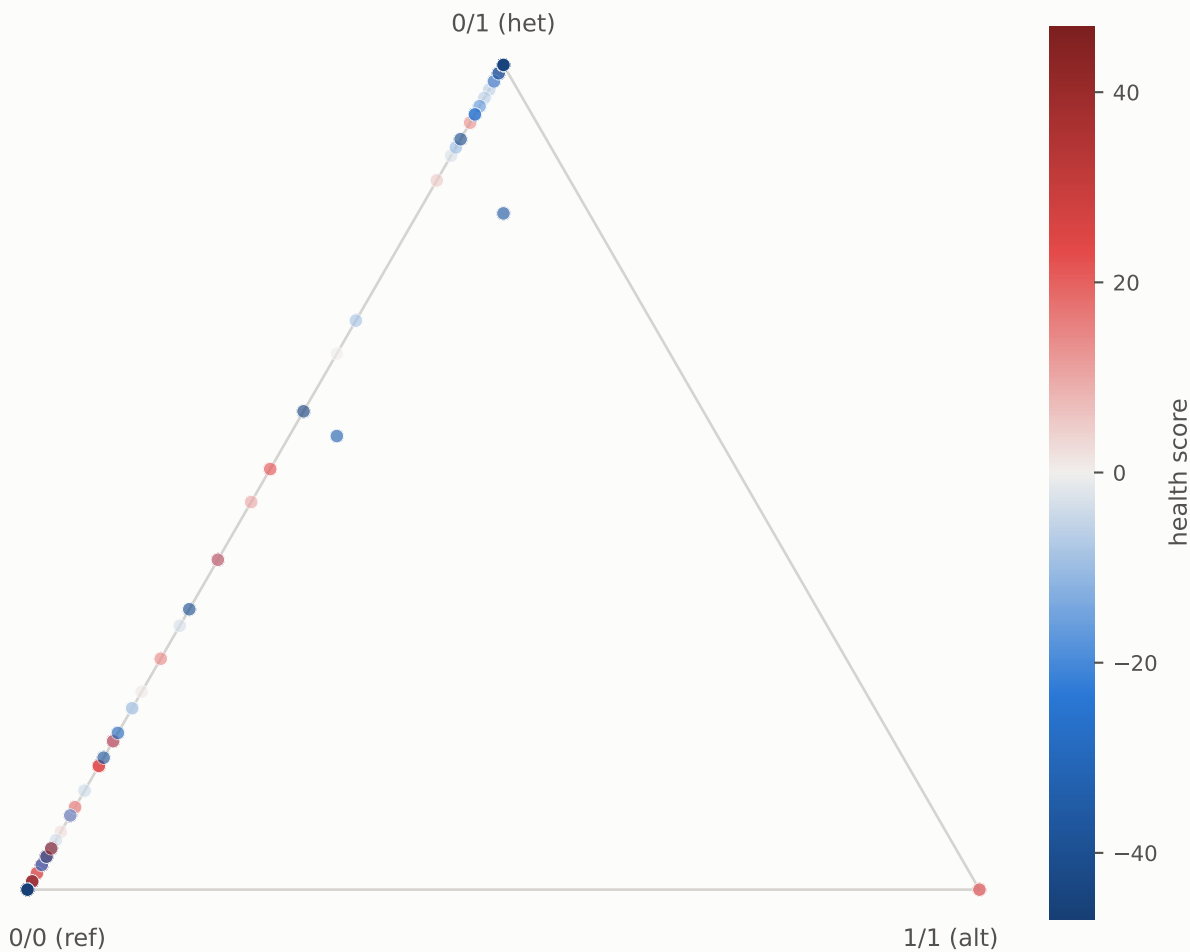
#76 by cluster health separation CHR_22:733,020 G>A
AF=0.058 DR2=0.97 r=-0.173 H=0.010 F=17.6



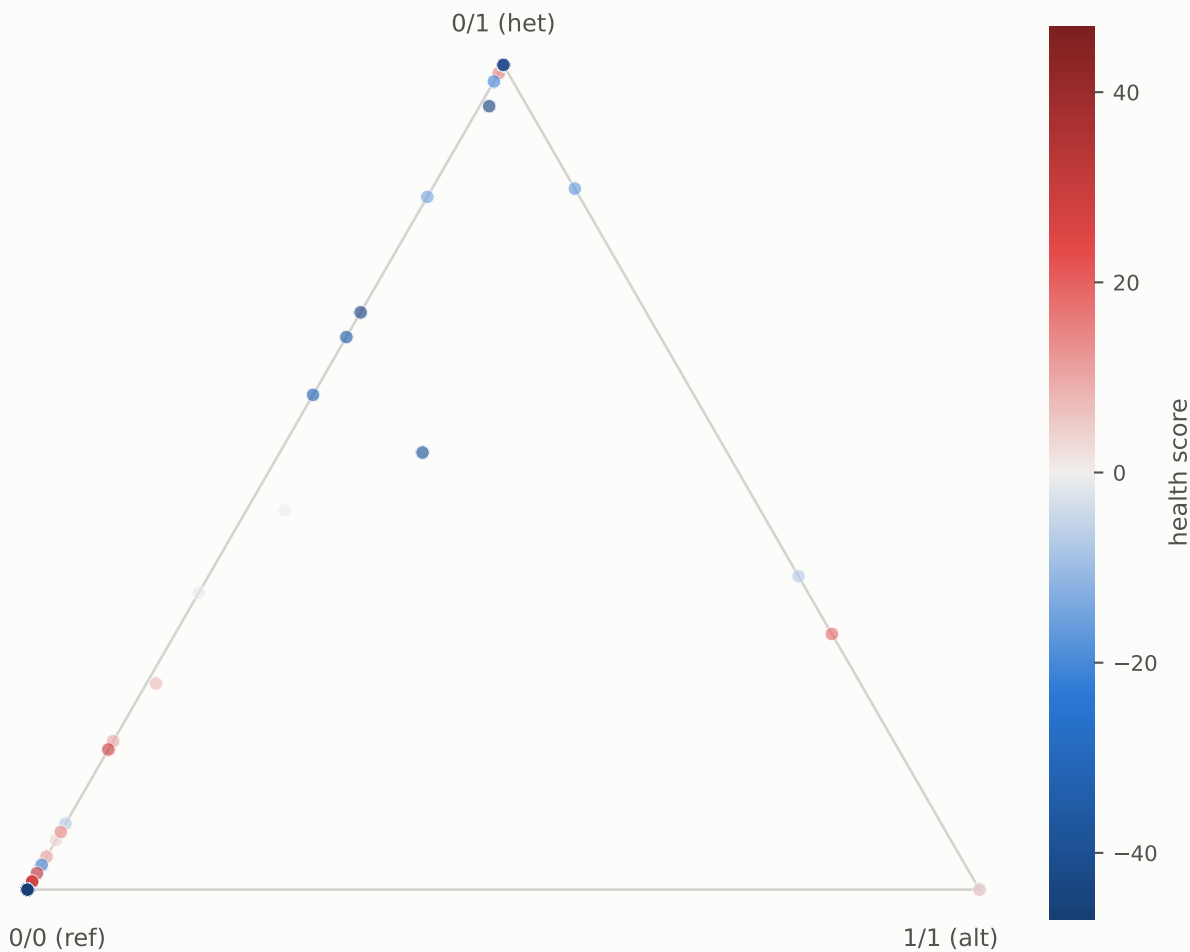
#77 by cluster health separation CHR_02:10,655,315 G>A
AF=0.081 DR2=0.93 r=+0.194 H=0.027 F=17.6



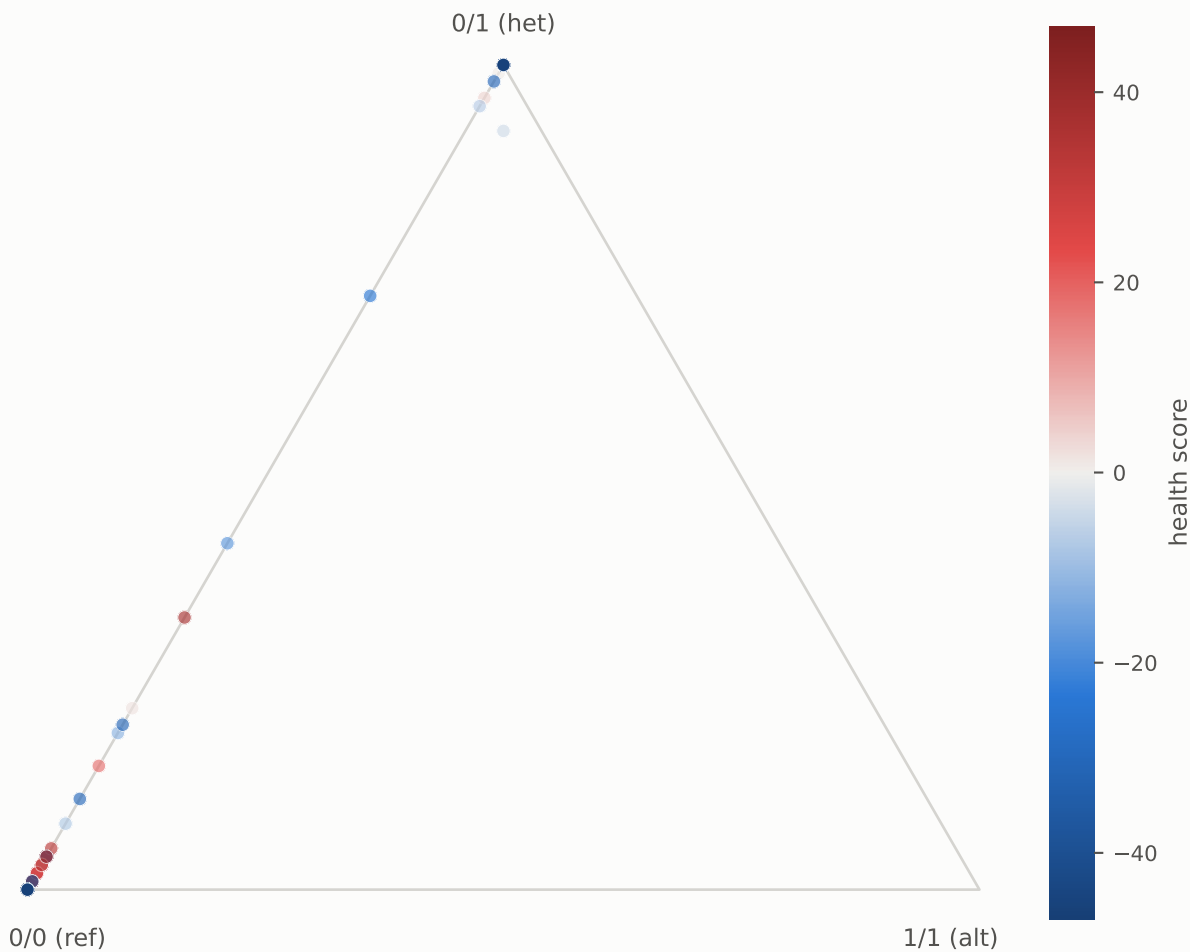
#78 by cluster health separation CHR_15:19,394,558 G>A
AF=0.089 DR2=0.89 r=-0.168 H=0.051 F=17.6



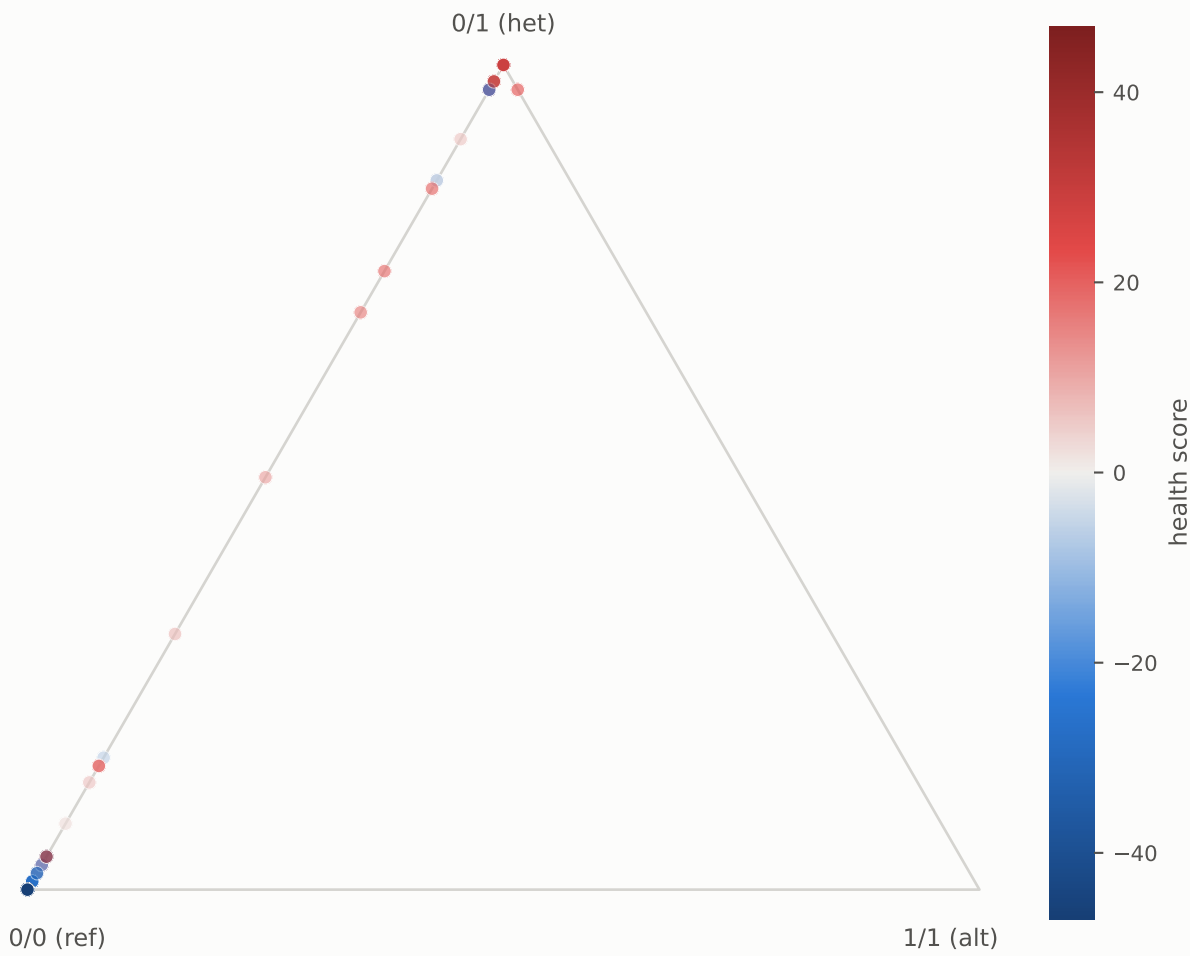
#79 by cluster health separation CHR_23:5,346,016 T>C
AF=0.041 DR2=0.91 r=-0.136 H=0.024 F=17.6



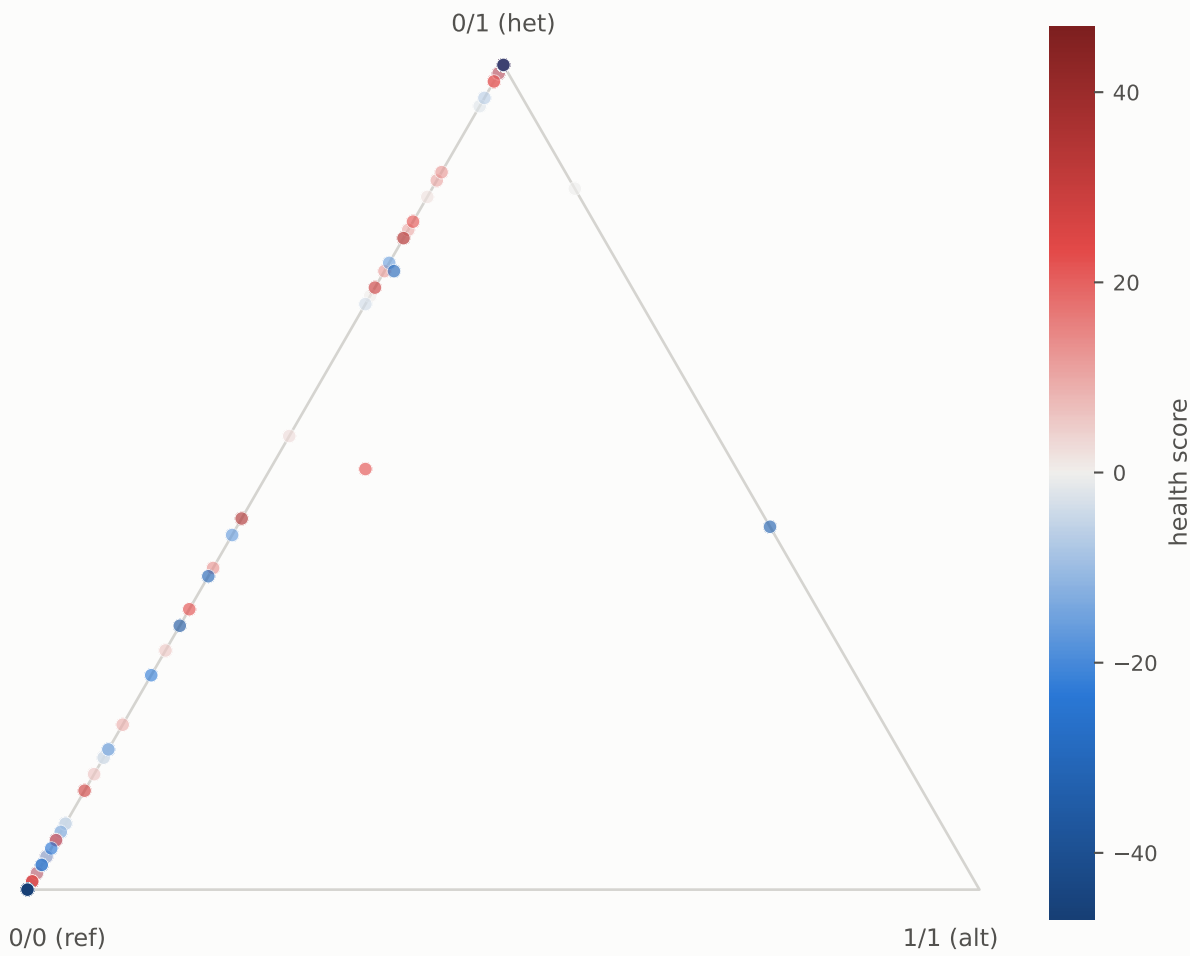
#80 by cluster health separation CHR_12:18,525,384 T>C
AF=0.039 DR2=0.9 r=-0.190 H=0.022 F=17.6



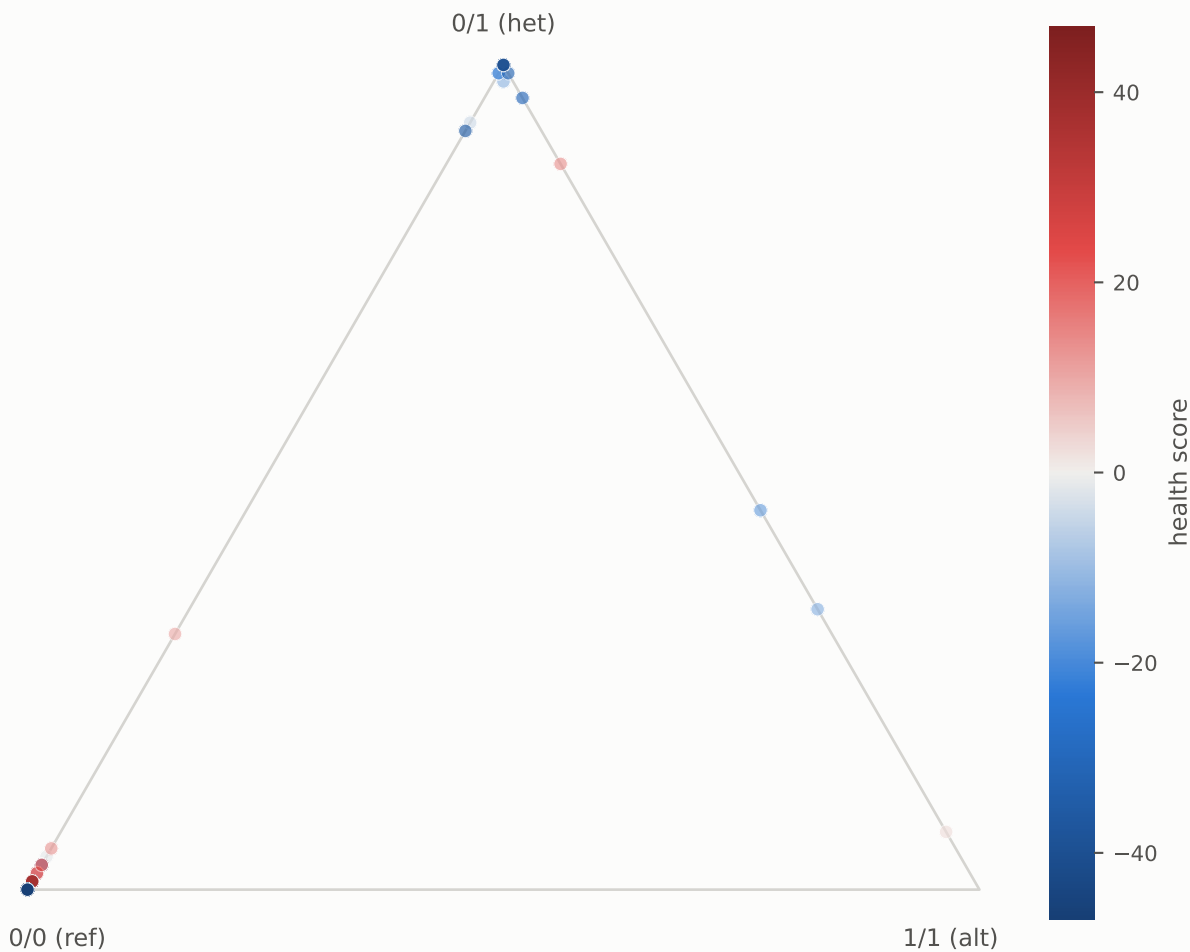
#81 by cluster health separation CHR_03:4,867,773 C>T
AF=0.041 DR2=0.92 $r=+0.198$ $H=0.021$ $F=17.5$



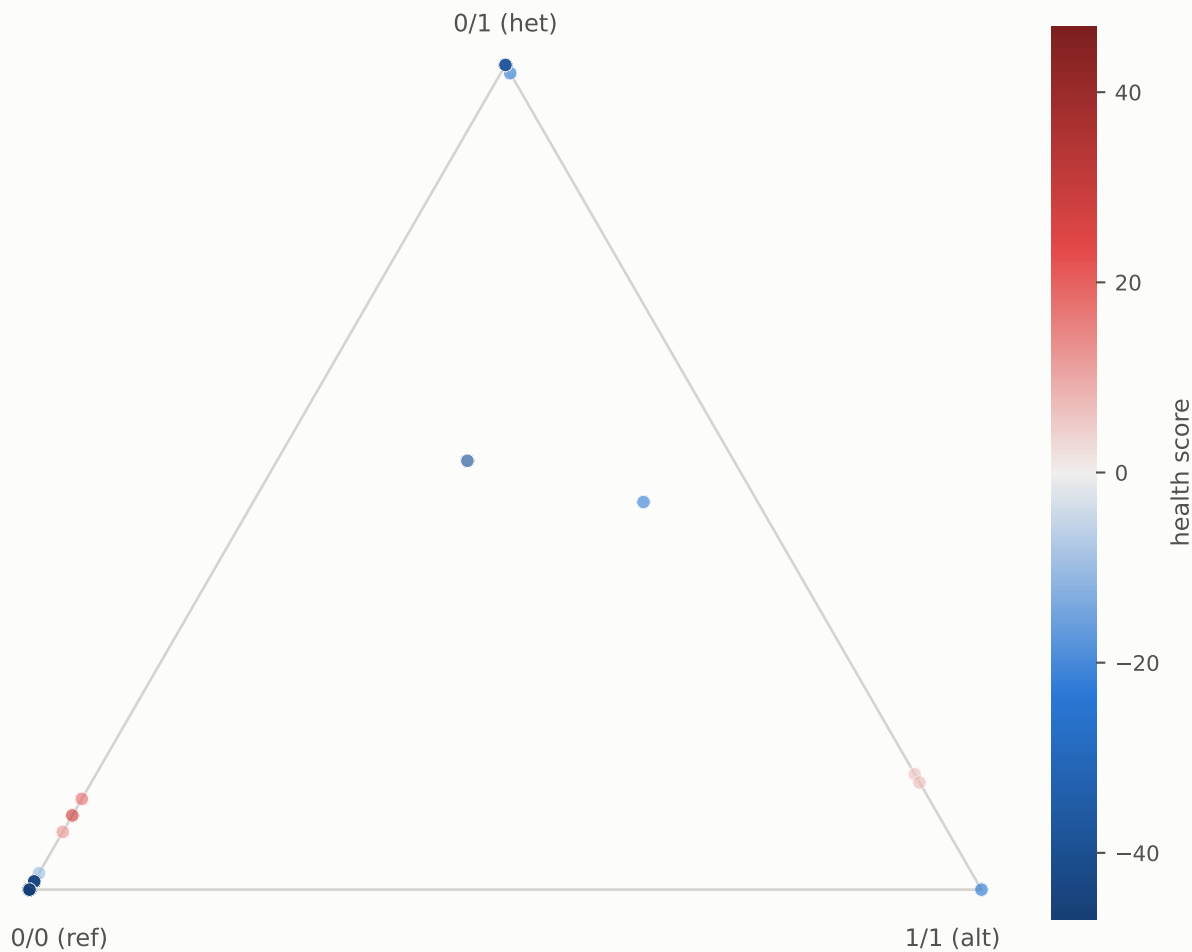
#82 by cluster health separation CHR_04:16,688,264 A>G
AF=0.11 DR2=0.9 r=+0.175 H=0.052 F=17.5



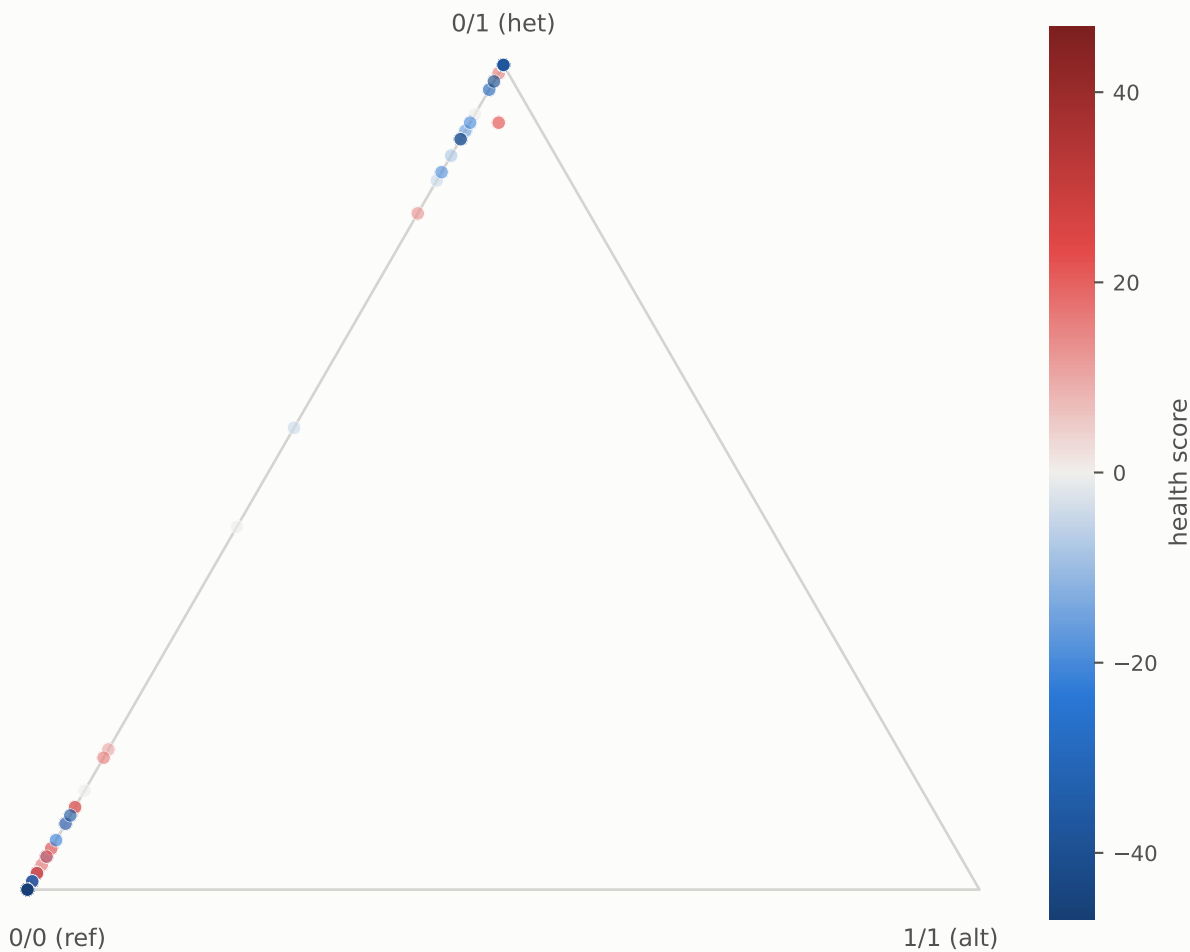
#83 by cluster health separation CHR_09:10,189,856 A>G
AF=0.019 DR2=0.91 r=-0.165 H=0.017 F=17.4



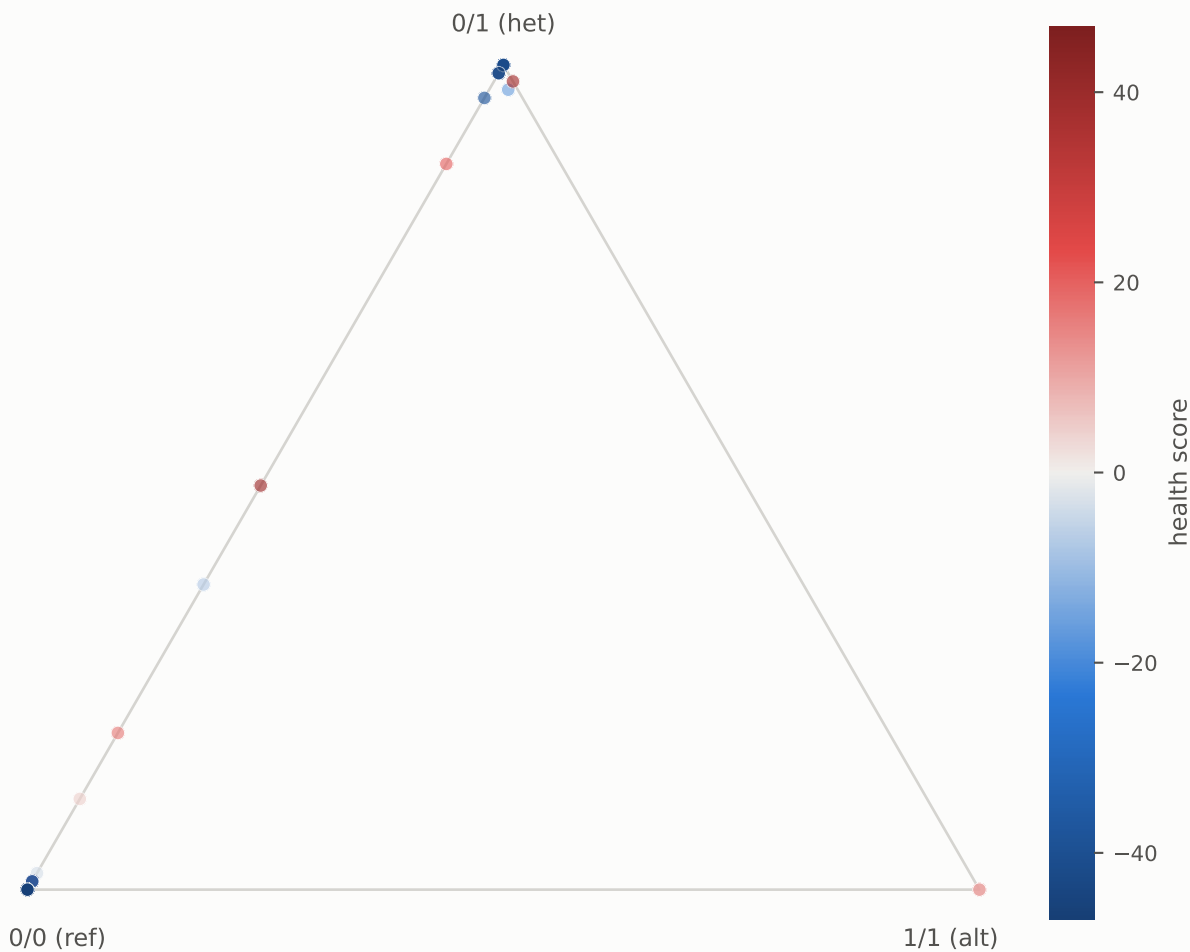
#84 by cluster health separation CHR_18:4,574,852 A>G
AF=0.022 DR2=0.92 r=-0.134 H=0.011 F=17.4



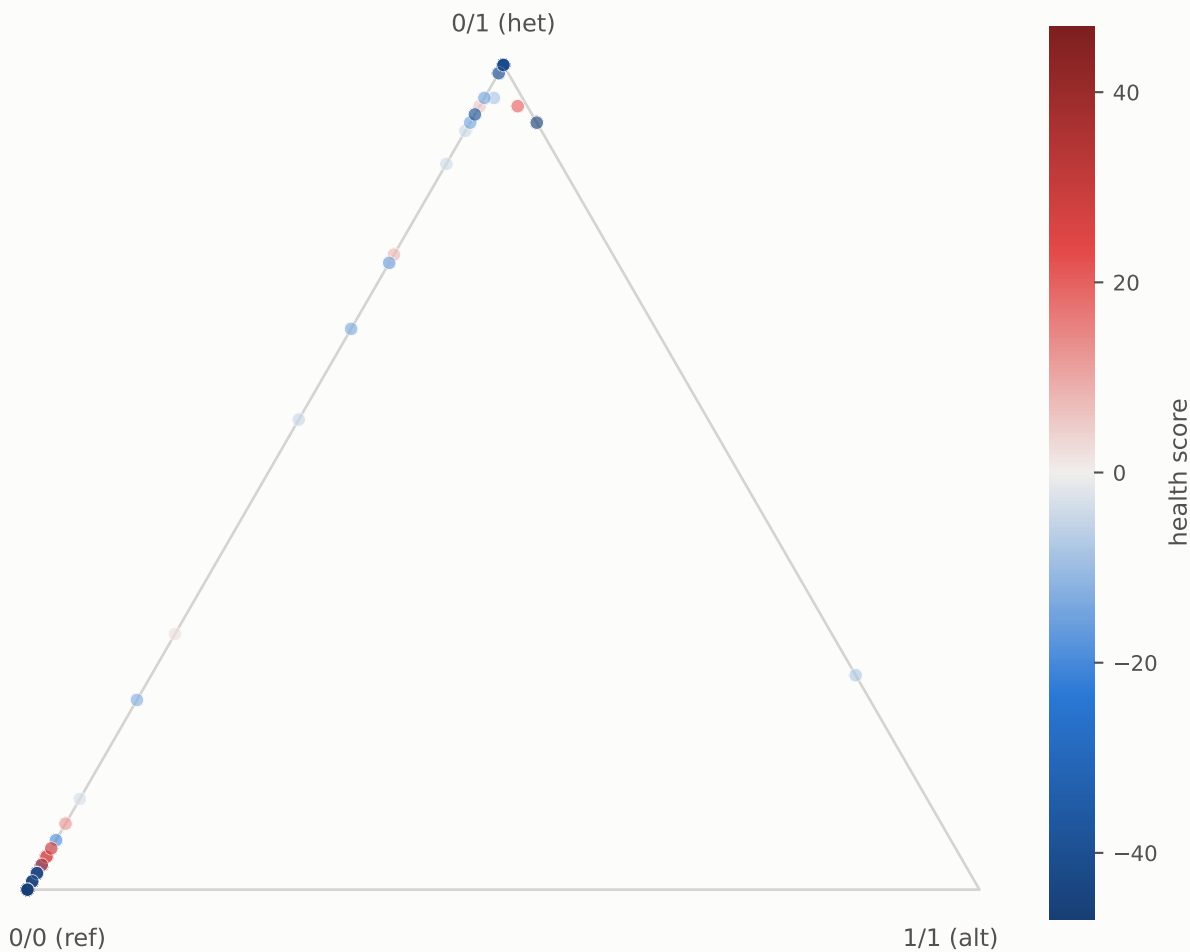
#85 by cluster health separation CHR_08:15,382,520 G>A
AF=0.04 DR2=0.92 r=-0.193 H=0.025 F=17.4



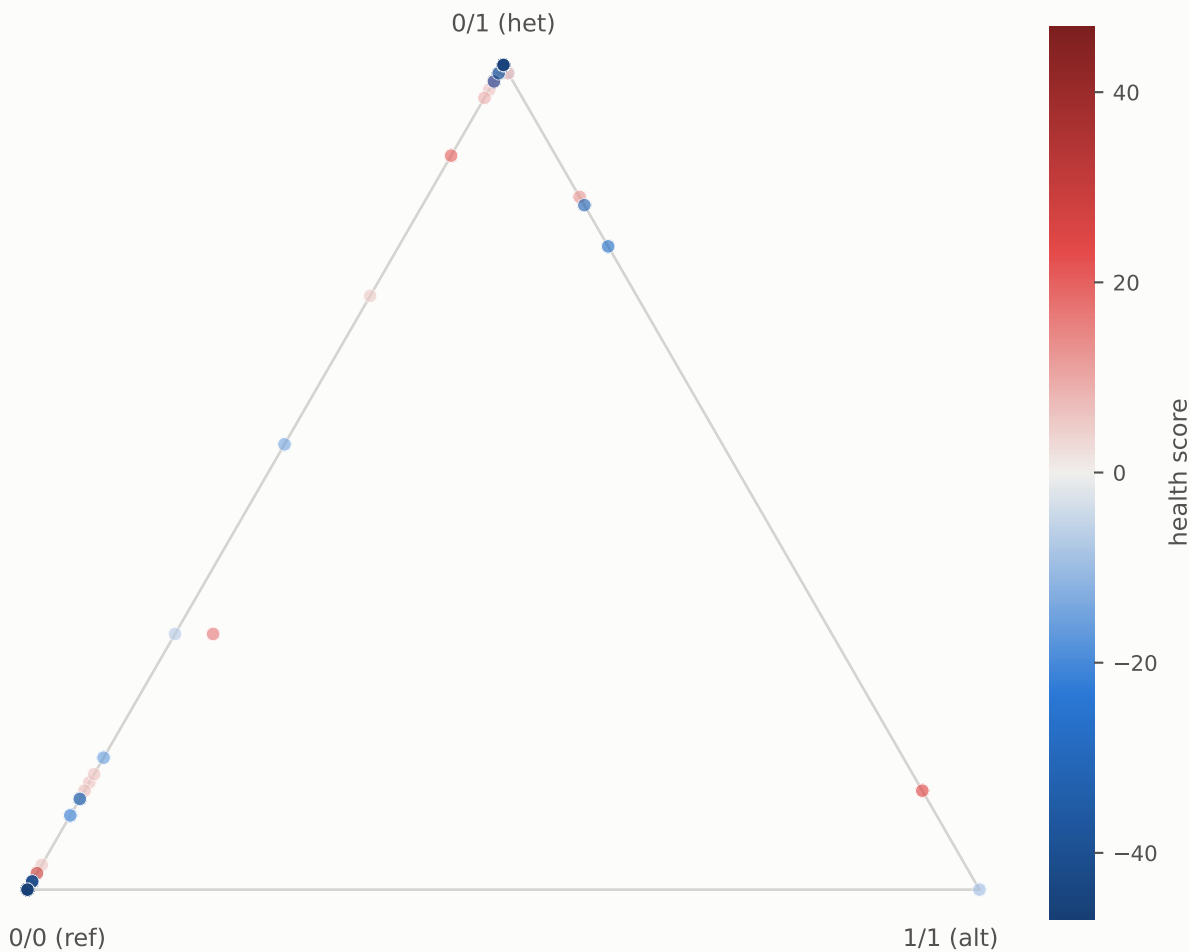
#86 by cluster health separation CHR_05:32,553,248 C>T
AF=0.058 DR2=0.97 r=-0.162 H=0.008 F=17.4



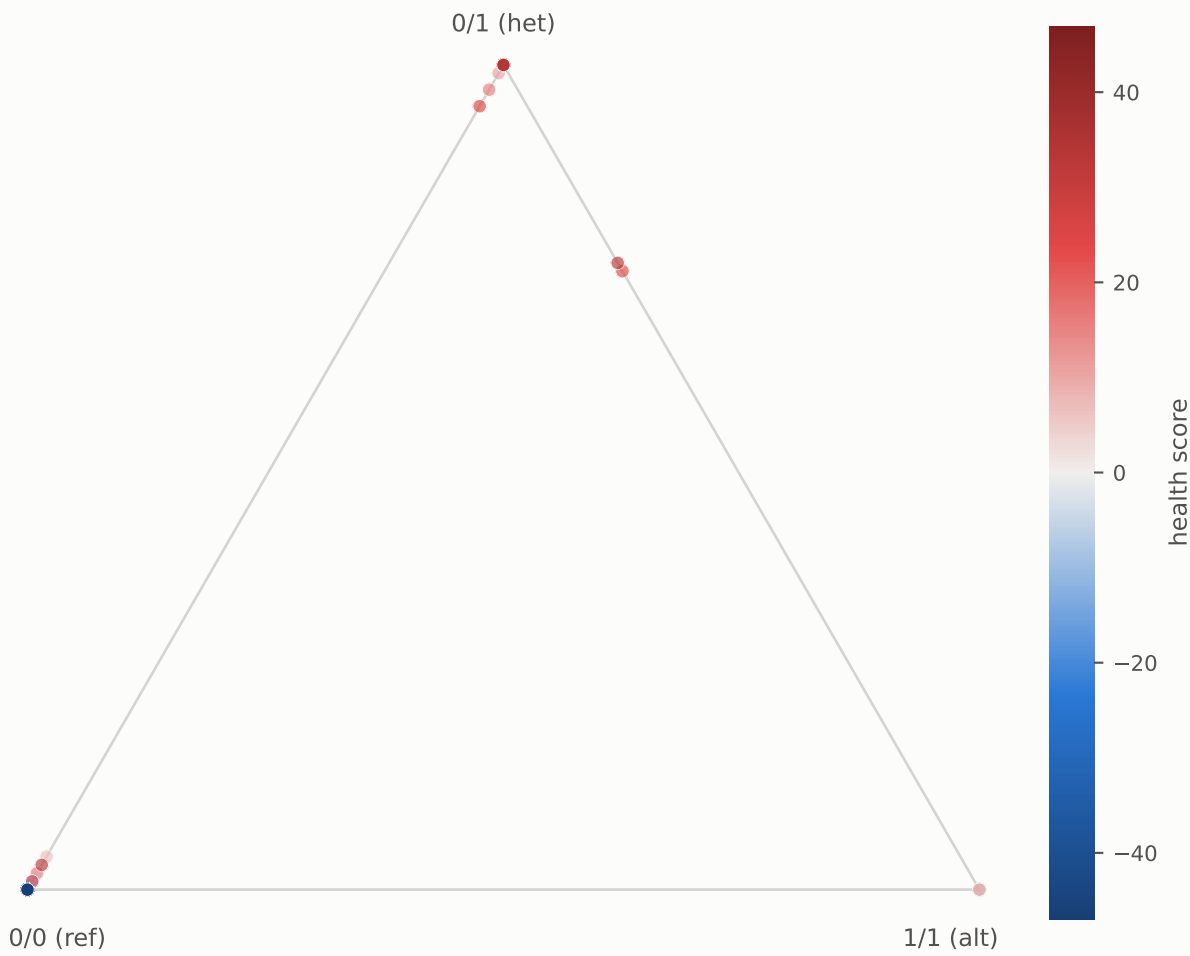
#87 by cluster health separation CHR_04:25,917,981 G>A
AF=0.044 DR2=0.9 r=-0.195 H=0.031 F=17.4



#88 by cluster health separation CHR_10:9,223,858 G>T
AF=0.067 DR2=0.95 r=-0.176 H=0.021 F=17.3

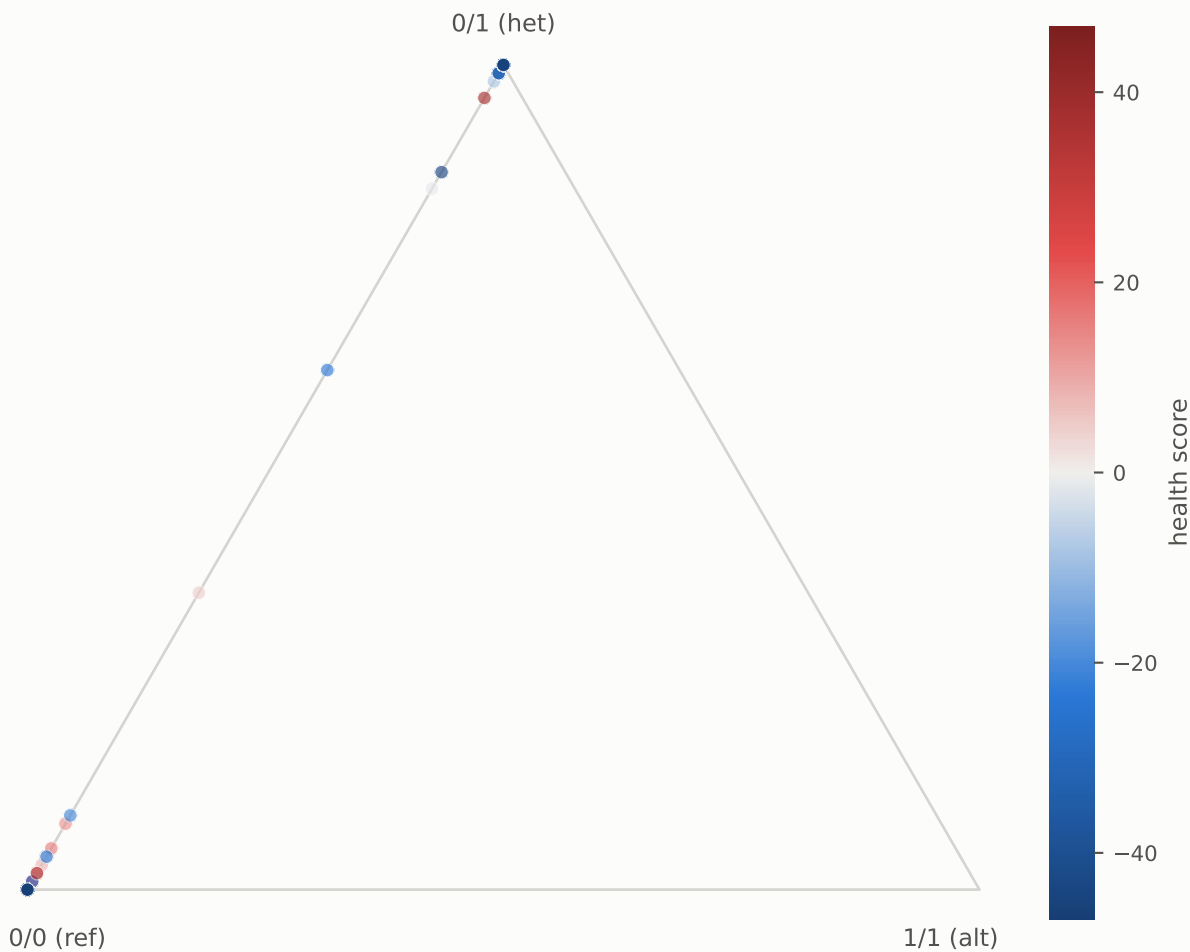


#89 by cluster health separation CHR_02:8,851,092 C>A
AF=0.02 DR2=0.97 r=+0.168 H=0.005 F=17.3

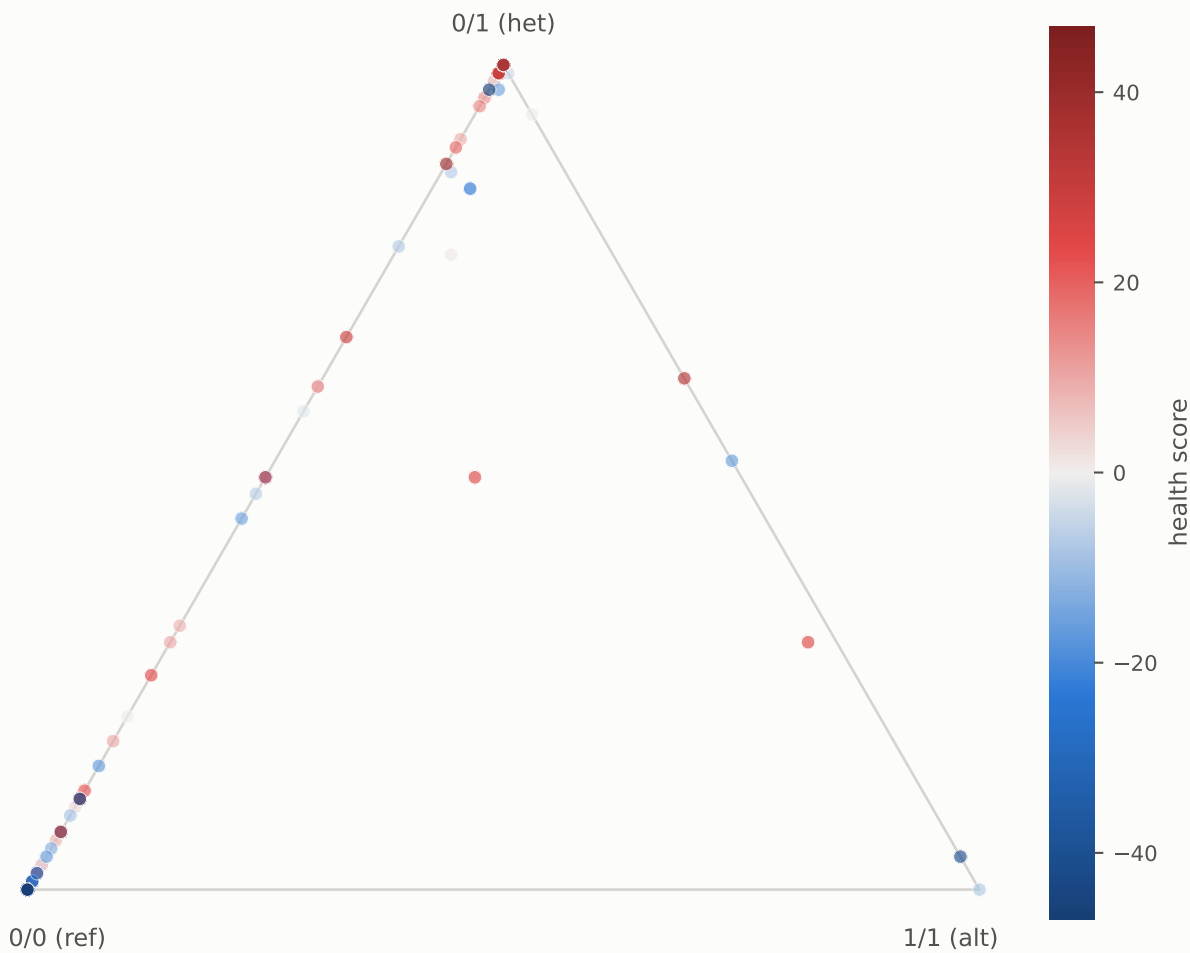


A ternary plot illustrating the relationship between three genotypes: 0/0 (ref), 0/1 (het), and 1/1 (alt). The plot is a triangle with vertices labeled accordingly. A color bar on the right indicates the health score, ranging from -40 (dark blue) to 40 (dark red). Data points are plotted along the edges of the triangle, showing a gradient of health scores from negative (blue) to positive (red).

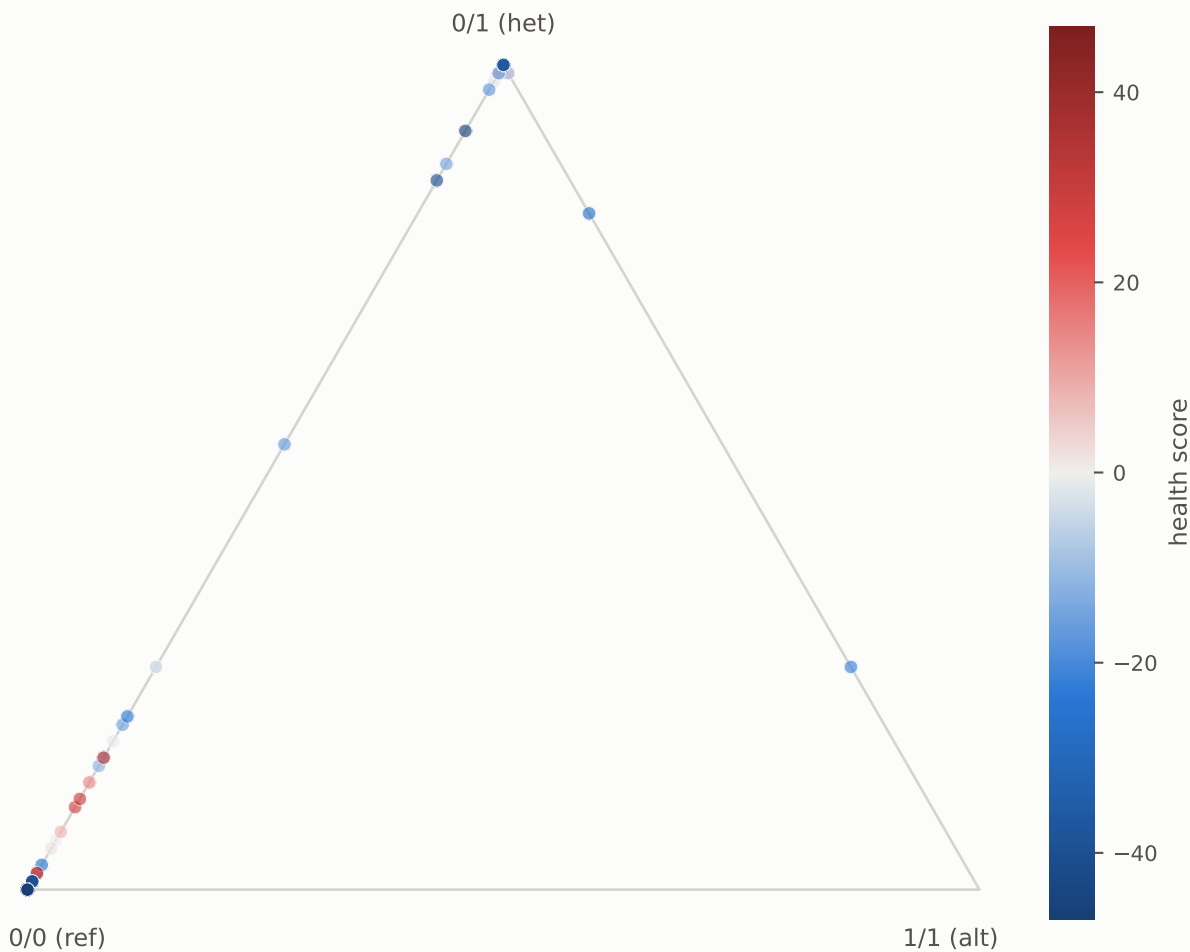
#91 by cluster health separation unpl-scaff_081:9,905 T>C
AF=0.053 DR2=0.95 r=-0.189 H=0.010 F=17.3



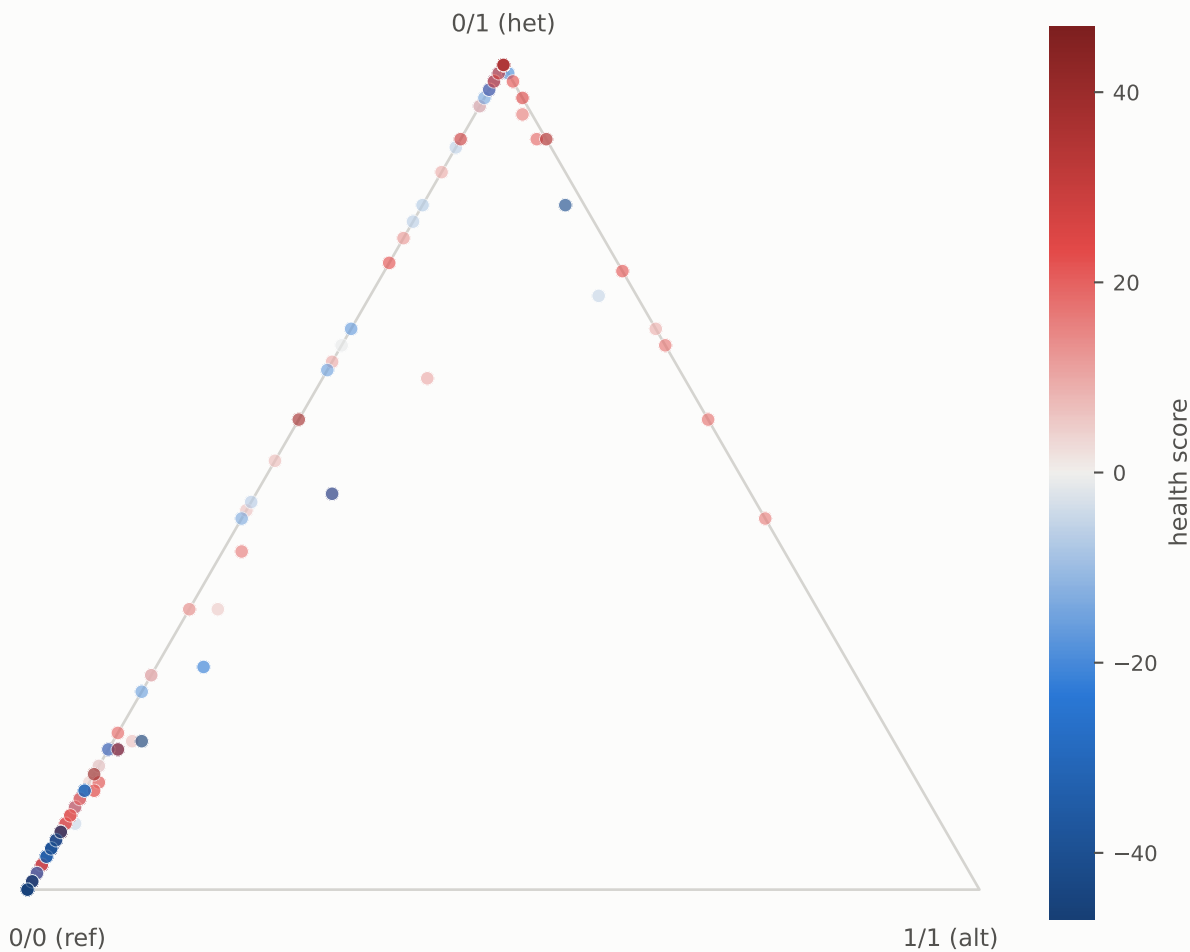
#92 by cluster health separation CHR_16:31,335,217 C>T
AF=0.093 DR2=0.91 r=+0.165 H=0.050 F=17.3



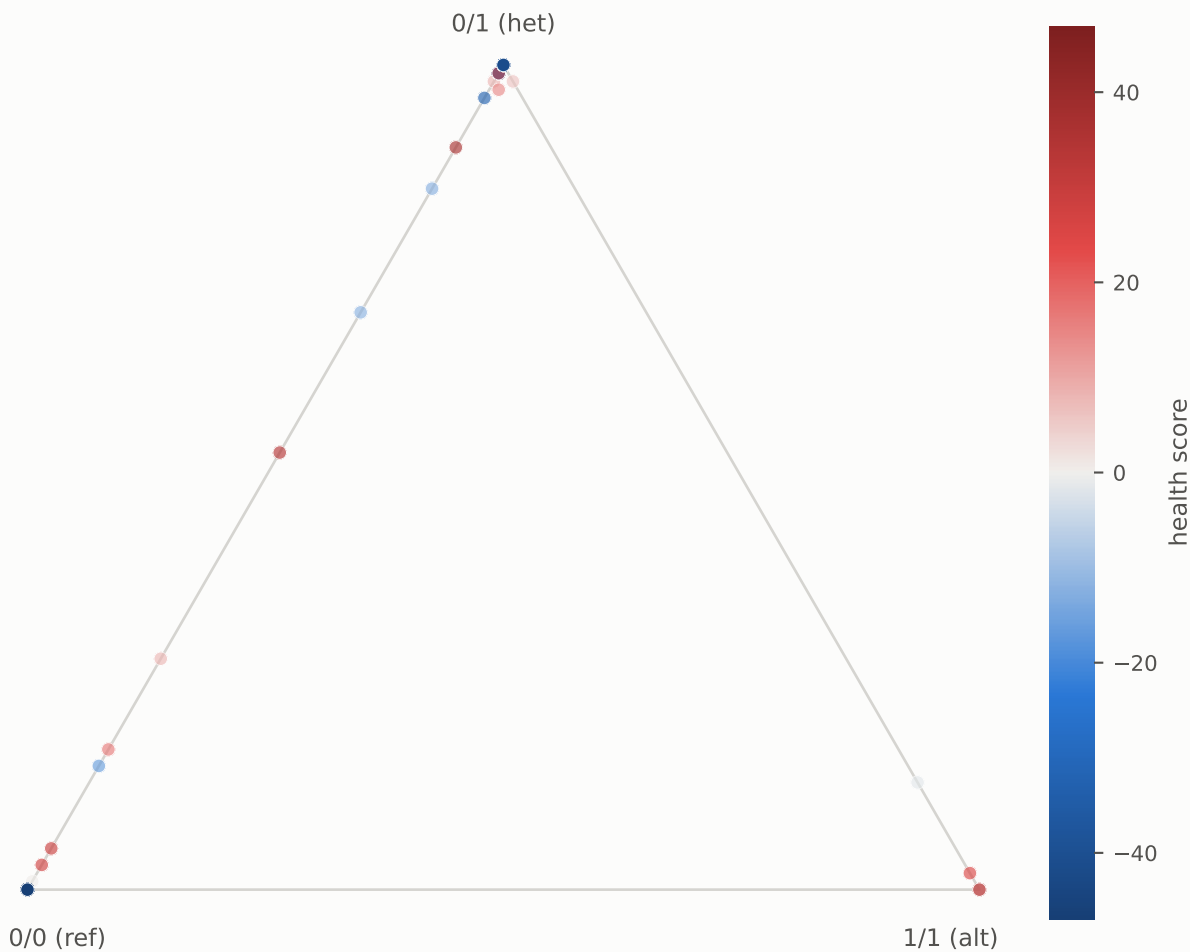
#93 by cluster health separation CHR_15:23,499,748 G>A
AF=0.022 DR2=0.84 r=-0.195 H=0.028 F=17.3



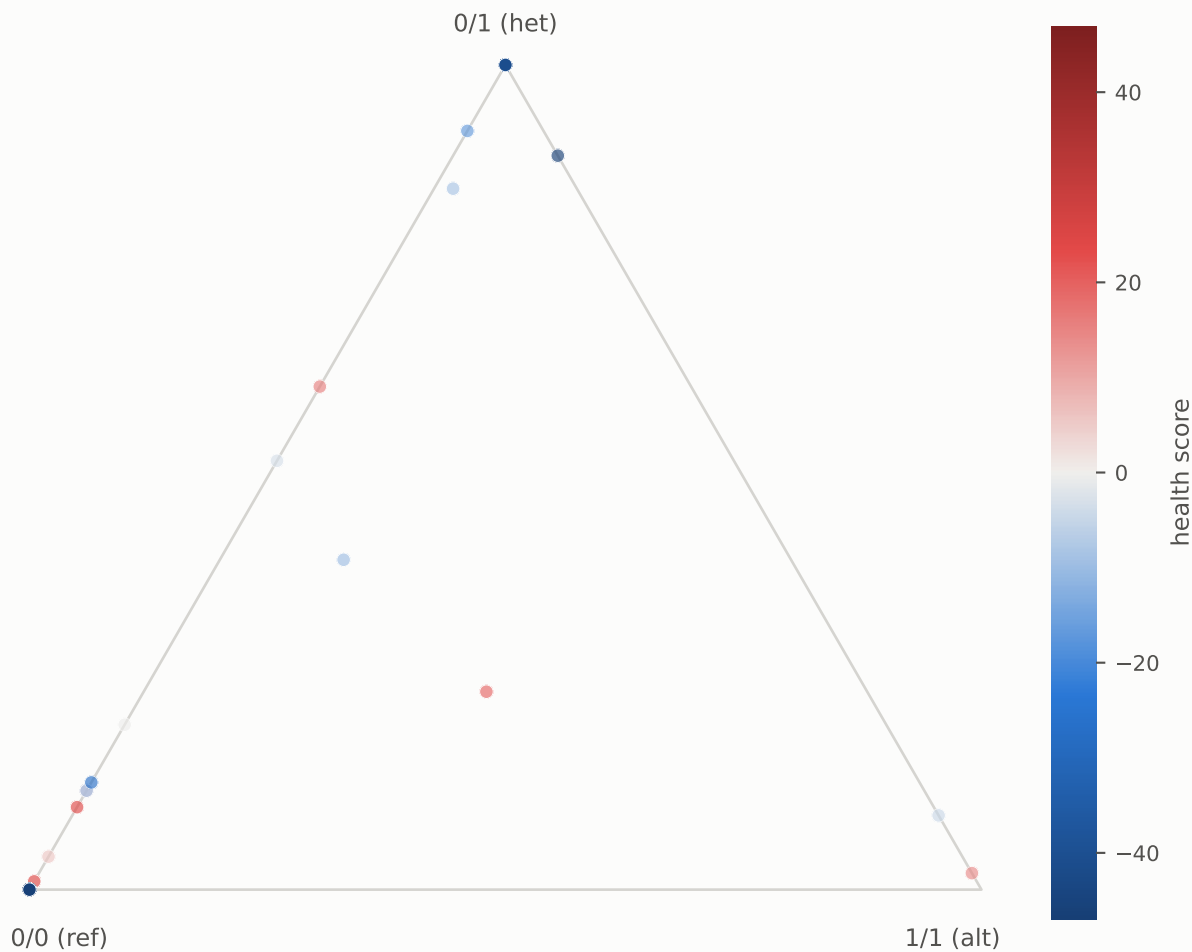
#94 by cluster health separation CHR_07:5,268,968 C>G
AF=0.14 DR2=0.81 r=+0.209 H=0.127 F=17.2



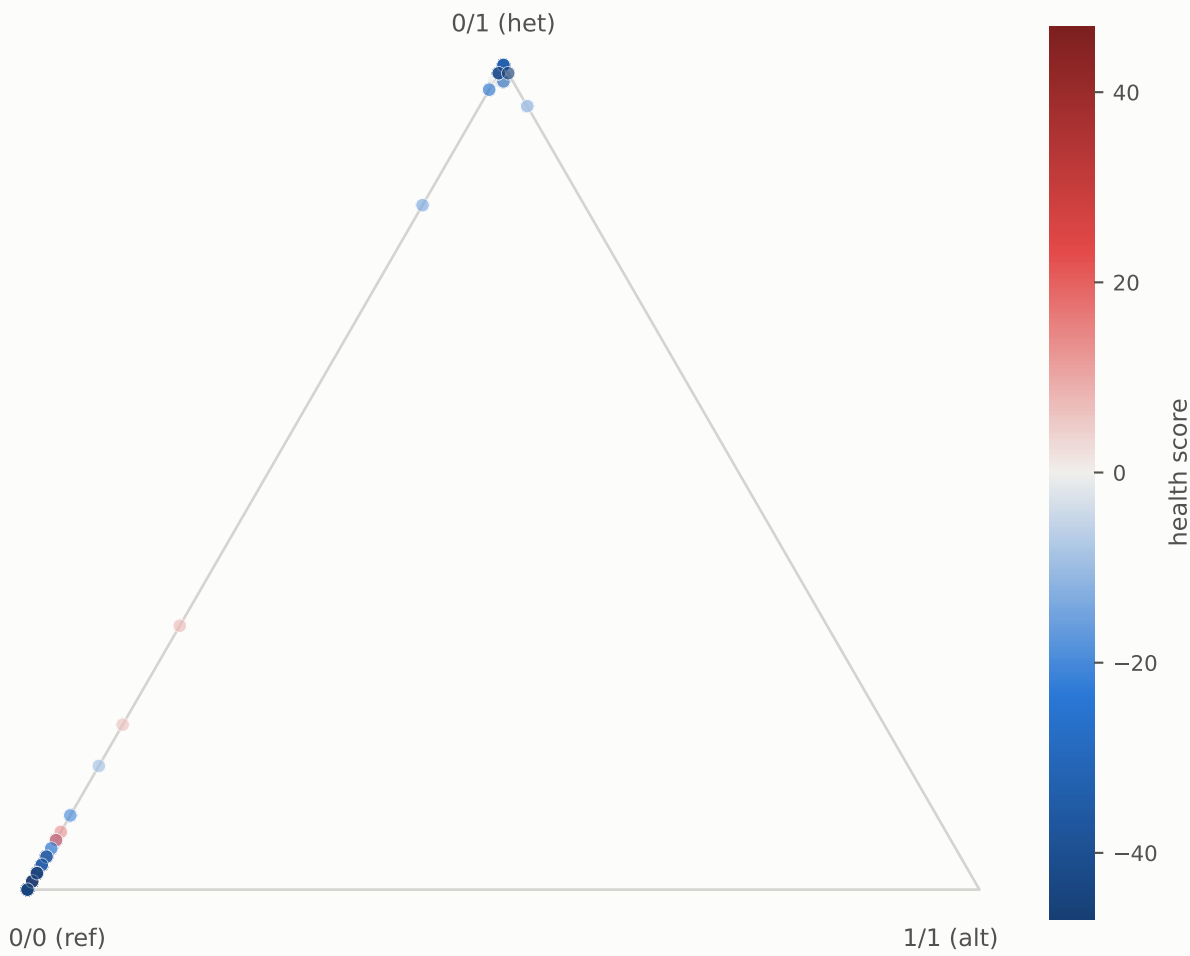
#95 by cluster health separation CHR_01:11,967,441 A>T
AF=0.064 DR2=0.97 r=-0.134 H=0.012 F=17.2



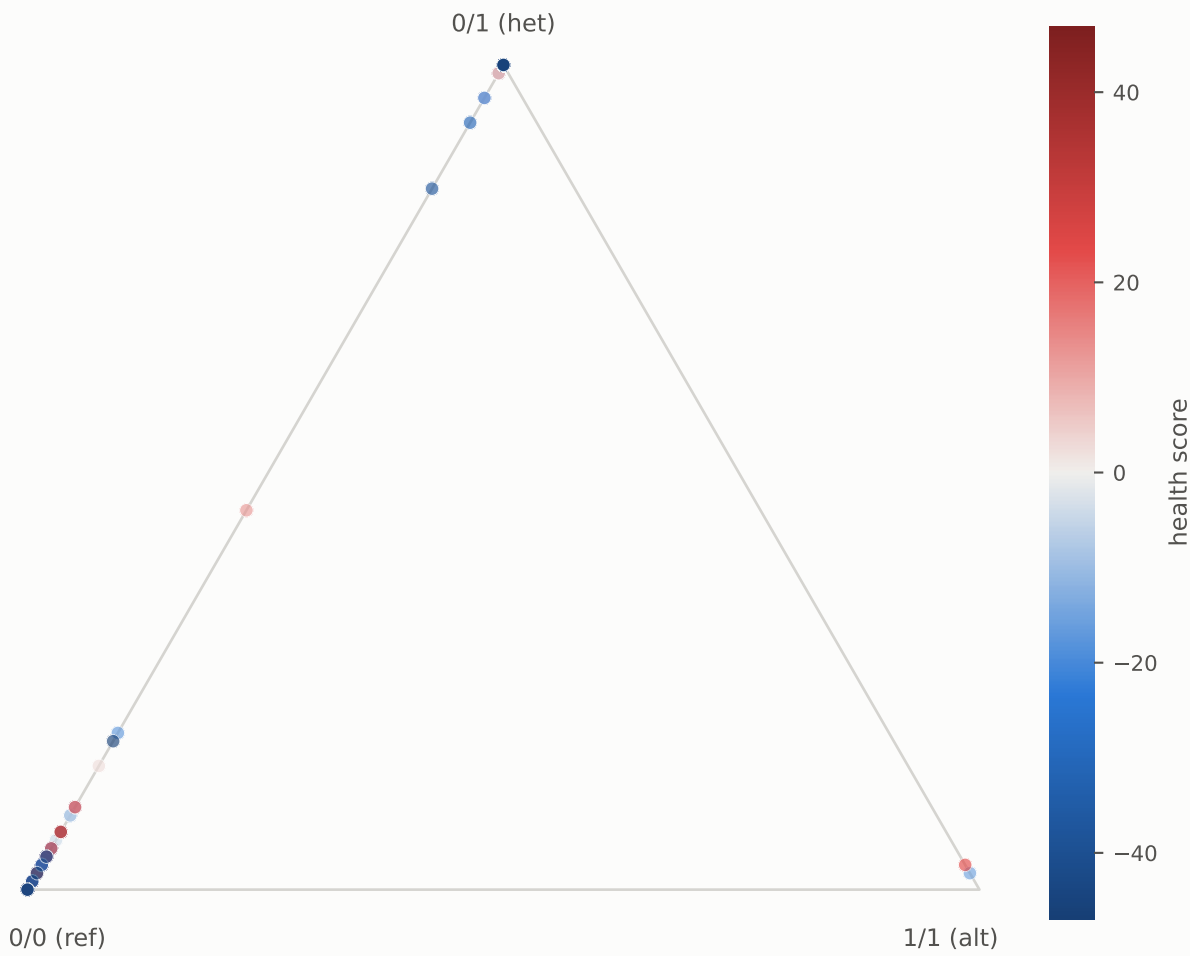
#96 by cluster health separation CHR_04:28,412,903 T>A
AF=0.076 DR2=0.96 r=-0.173 H=0.016 F=17.2



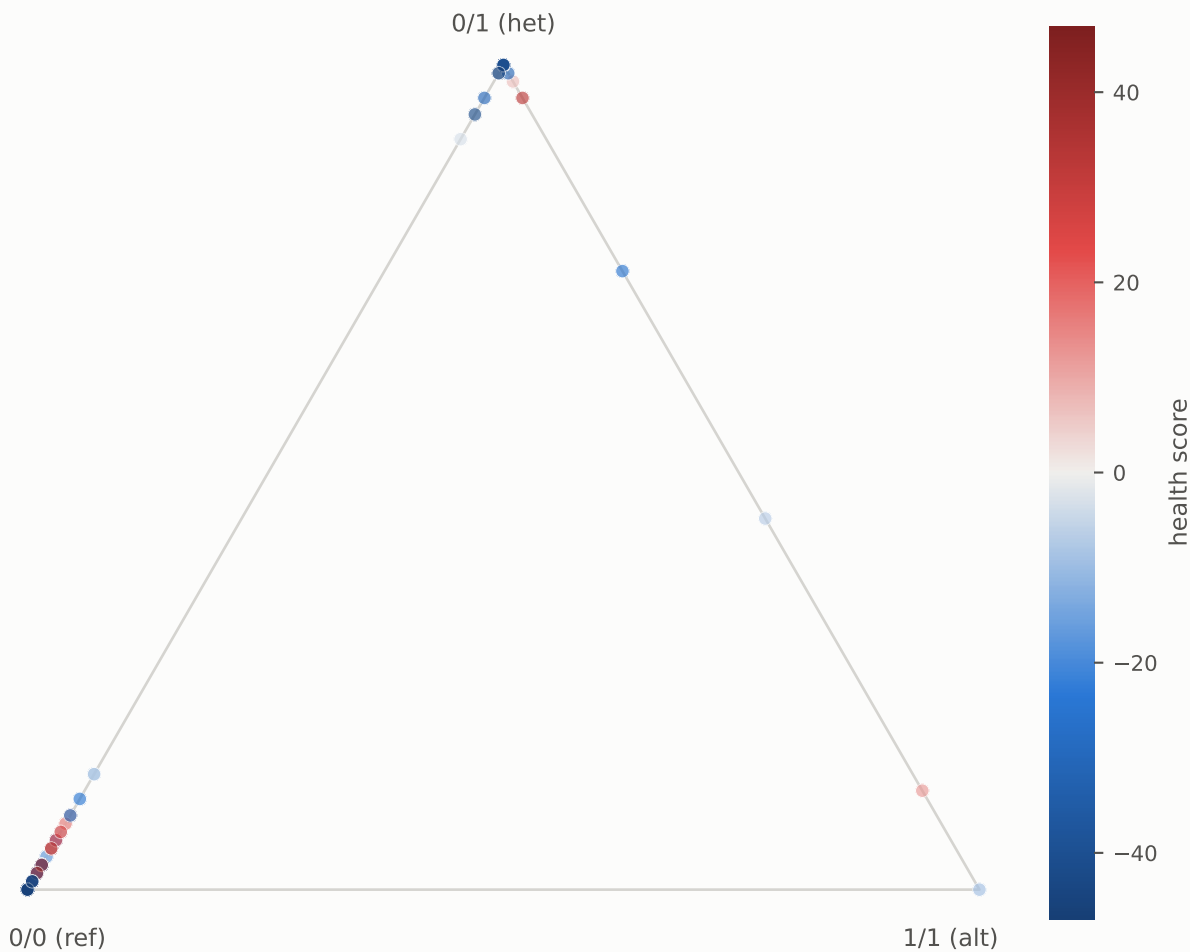
#97 by cluster health separation CHR_01:2,046,182 C>T
AF=0.035 DR2=0.88 r=-0.193 H=0.036 F=17.1



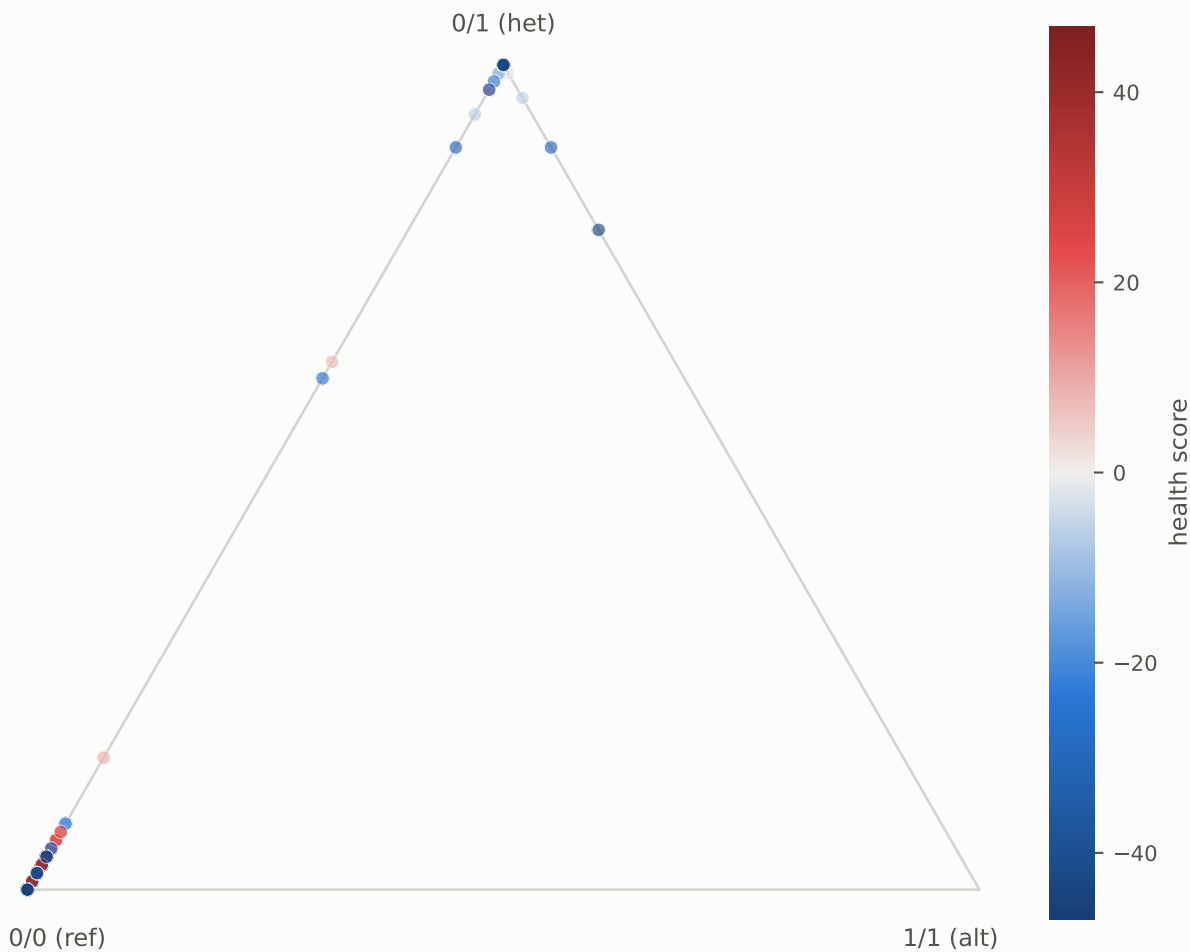
#98 by cluster health separation CHR_20:19,424,897 G>A
AF=0.096 DR2=0.96 r=-0.180 H=0.023 F=17.1



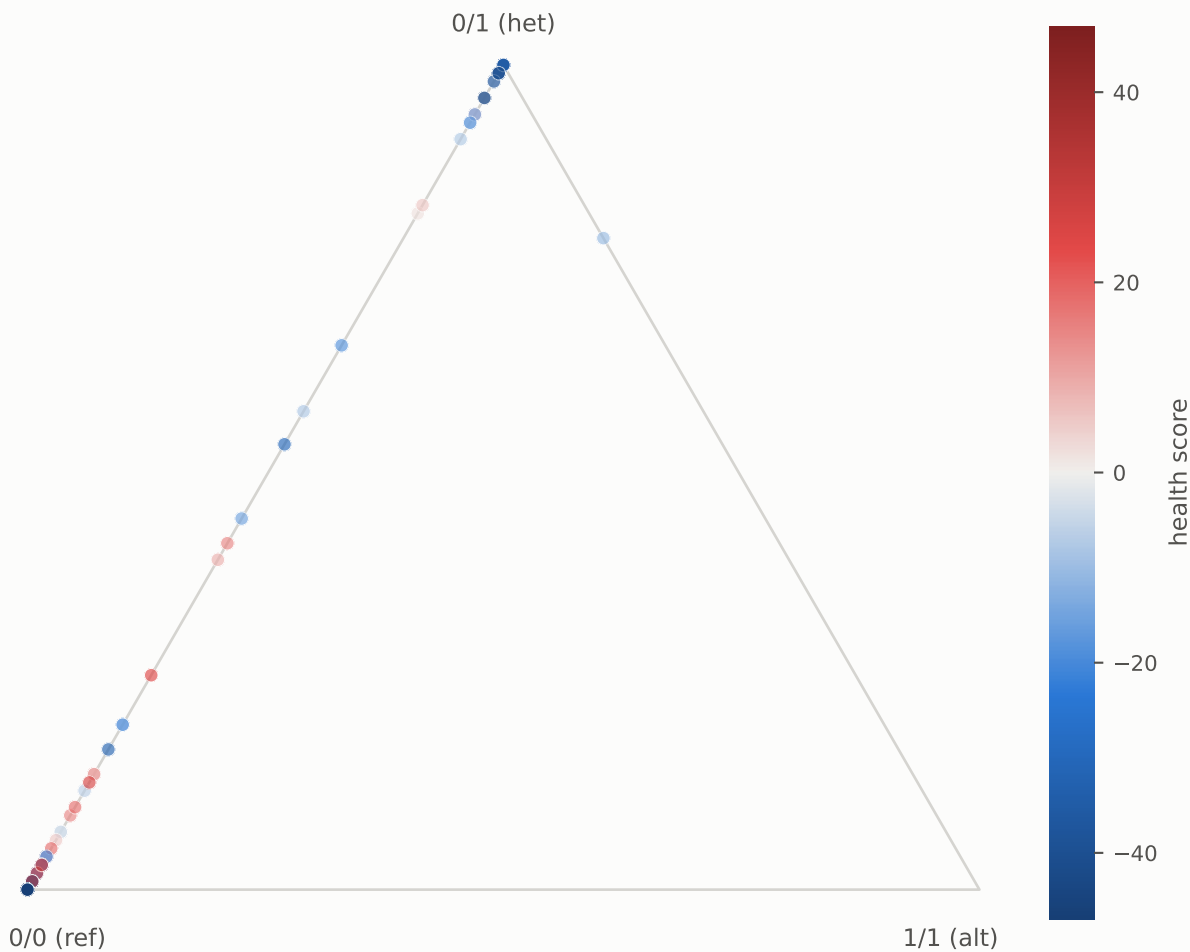
#99 by cluster health separation CHR_10:9,786,333 G>T
AF=0.059 DR2=0.93 r=-0.178 H=0.027 F=17.0



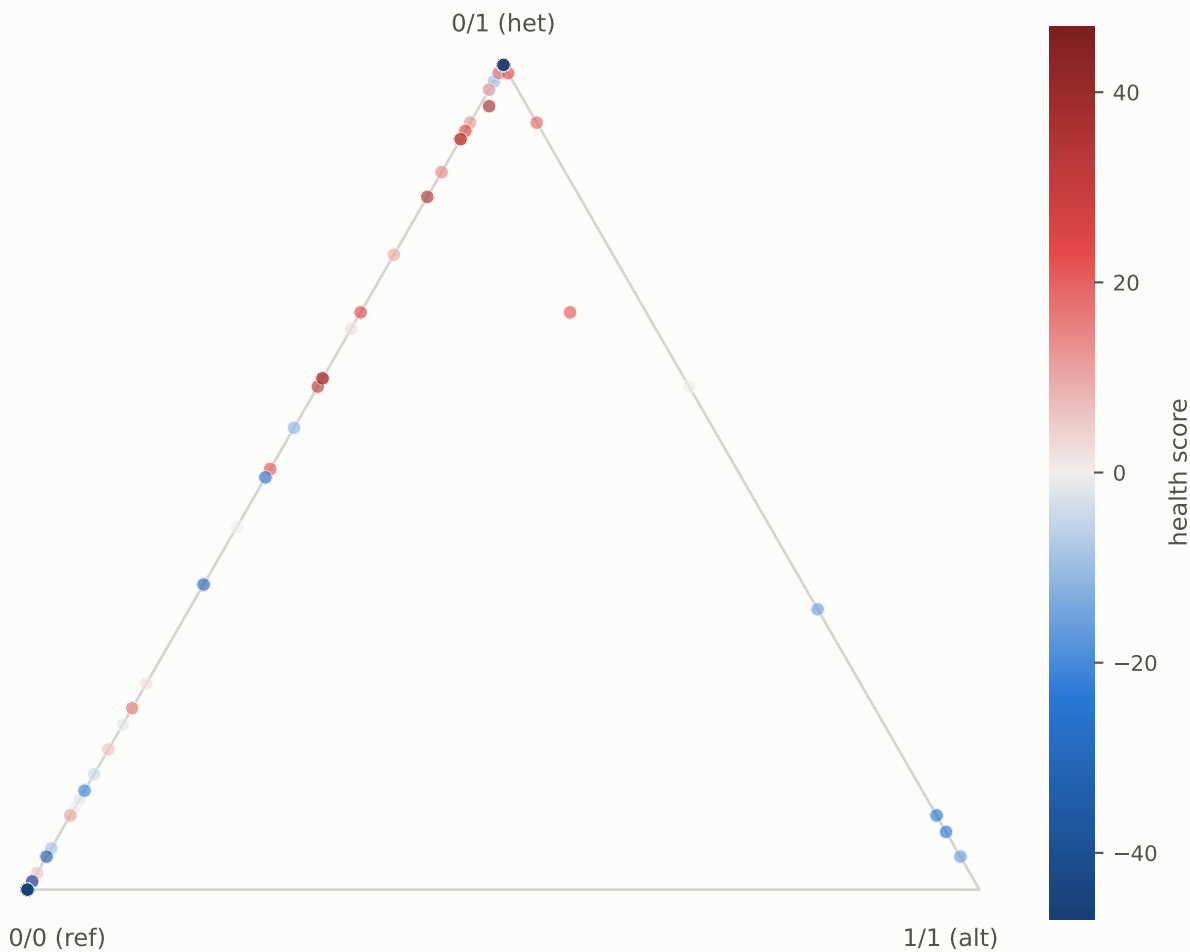
#100 by cluster health separation CHR_17:14,764,587 A>G
AF=0.038 DR2=0.84 r=-0.196 H=0.045 F=17.0



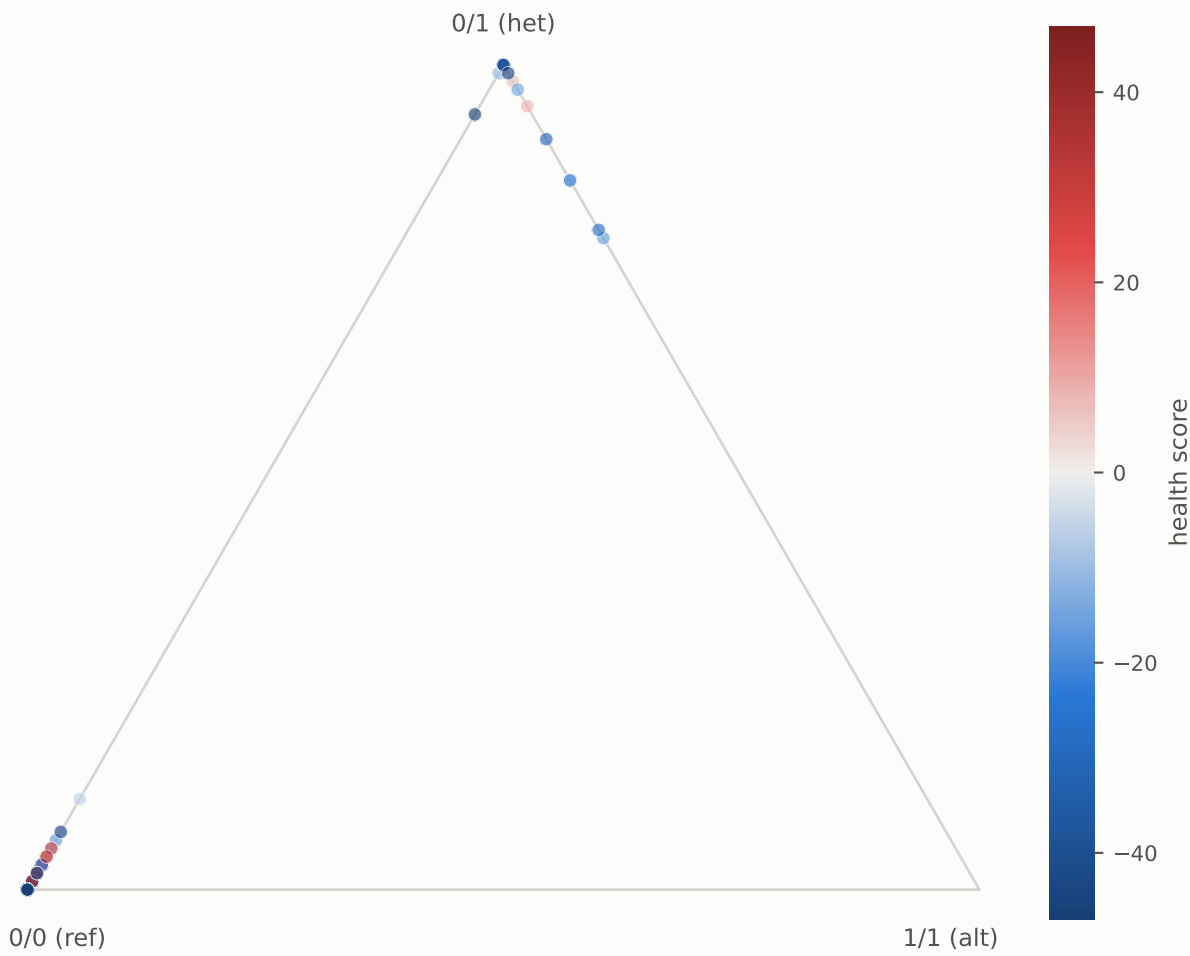
#101 by cluster health separation CHR_01:22,926,839 T>C
AF=0.057 DR2=0.88 r=-0.182 H=0.037 F=17.0



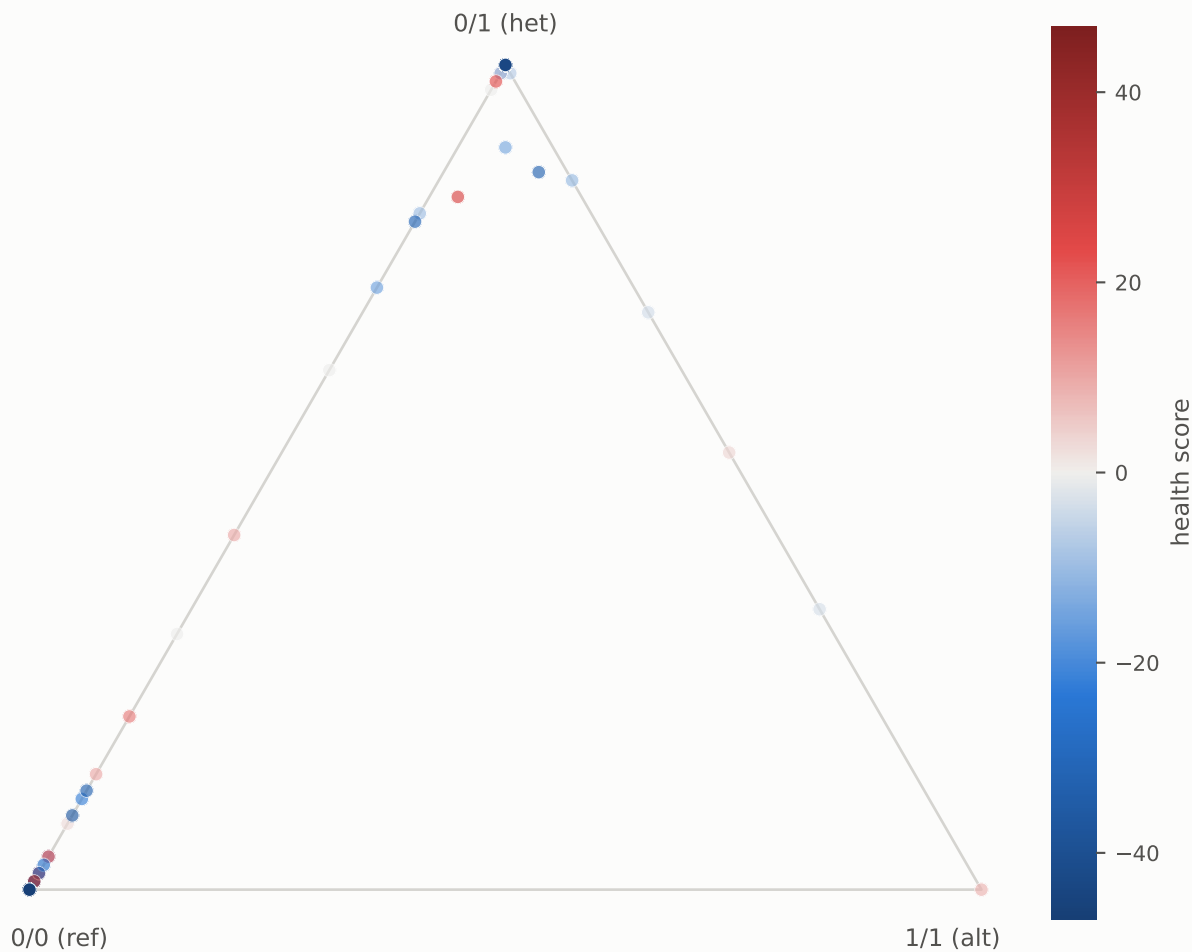
#102 by cluster health separation CHR_06:33,487,175 C>T
AF=0.097 DR2=0.93 r=+0.113 H=0.041 F=17.0



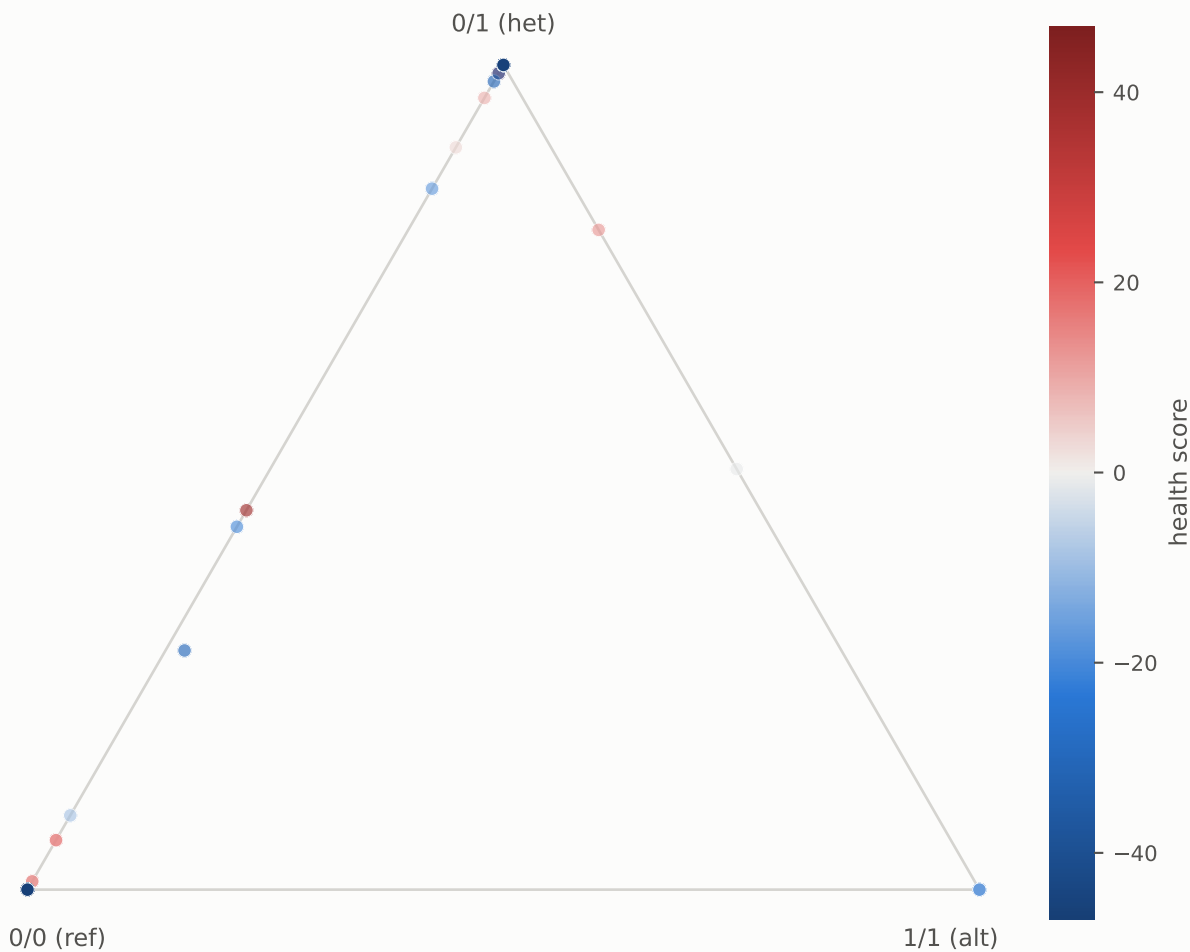
#103 by cluster health separation CHR_02:9,365,814 A>G
AF=0.025 DR2=0.86 r=-0.192 H=0.031 F=17.0



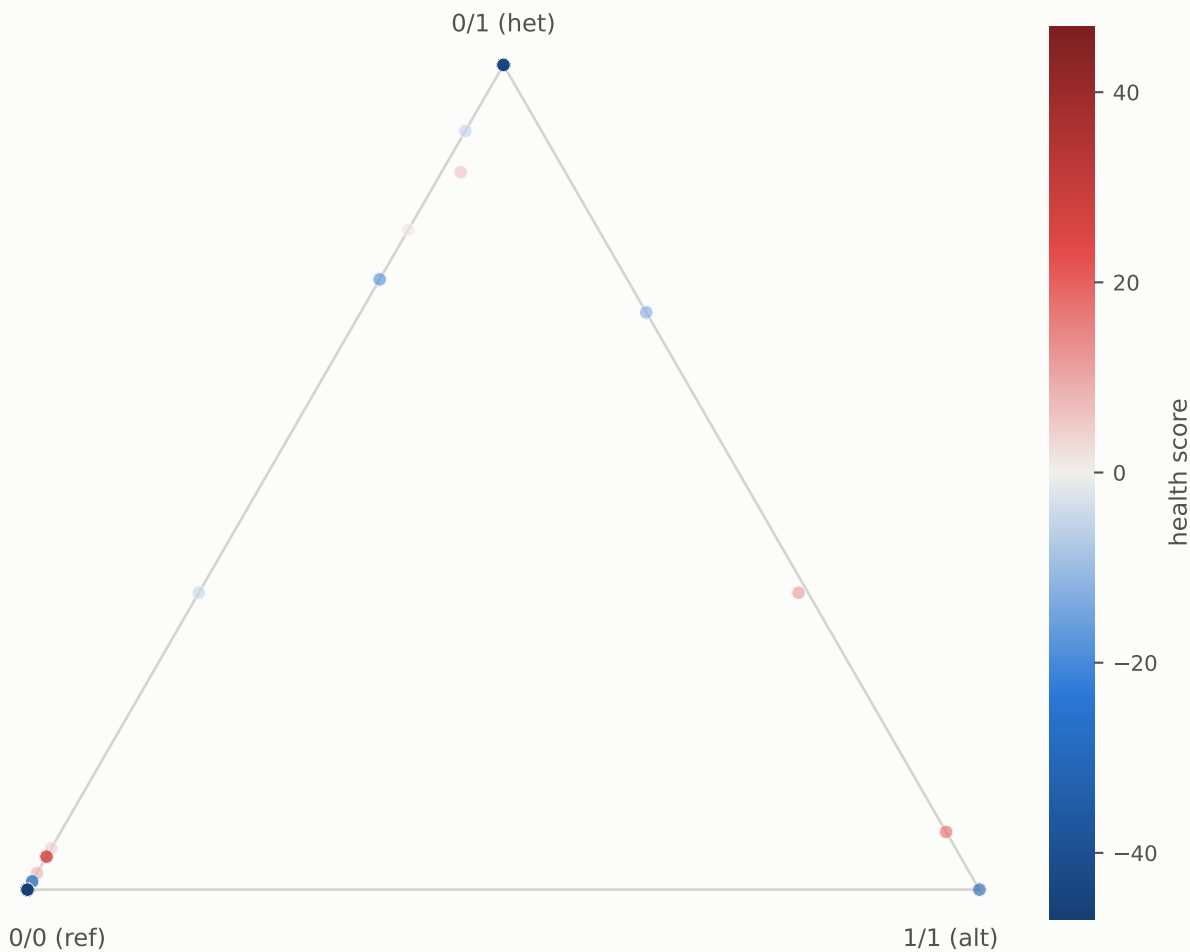
#104 by cluster health separation CHR_22:735,797 A>C
AF=0.048 DR2=0.92 r=-0.169 H=0.025 F=17.0



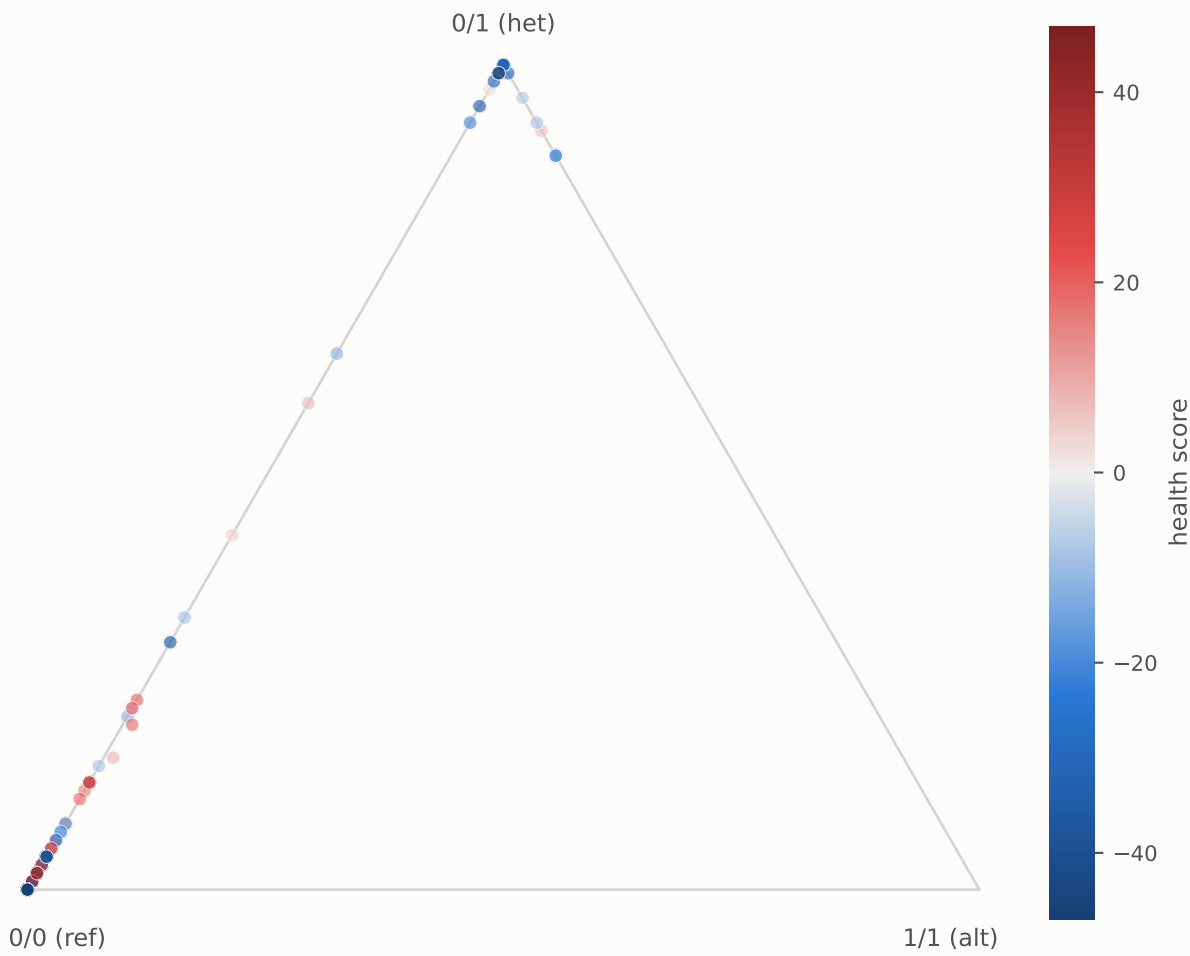
#105 by cluster health separation CHR_06:11,175,384 T>G
AF=0.06 DR2=0.95 r=-0.185 H=0.012 F=16.9



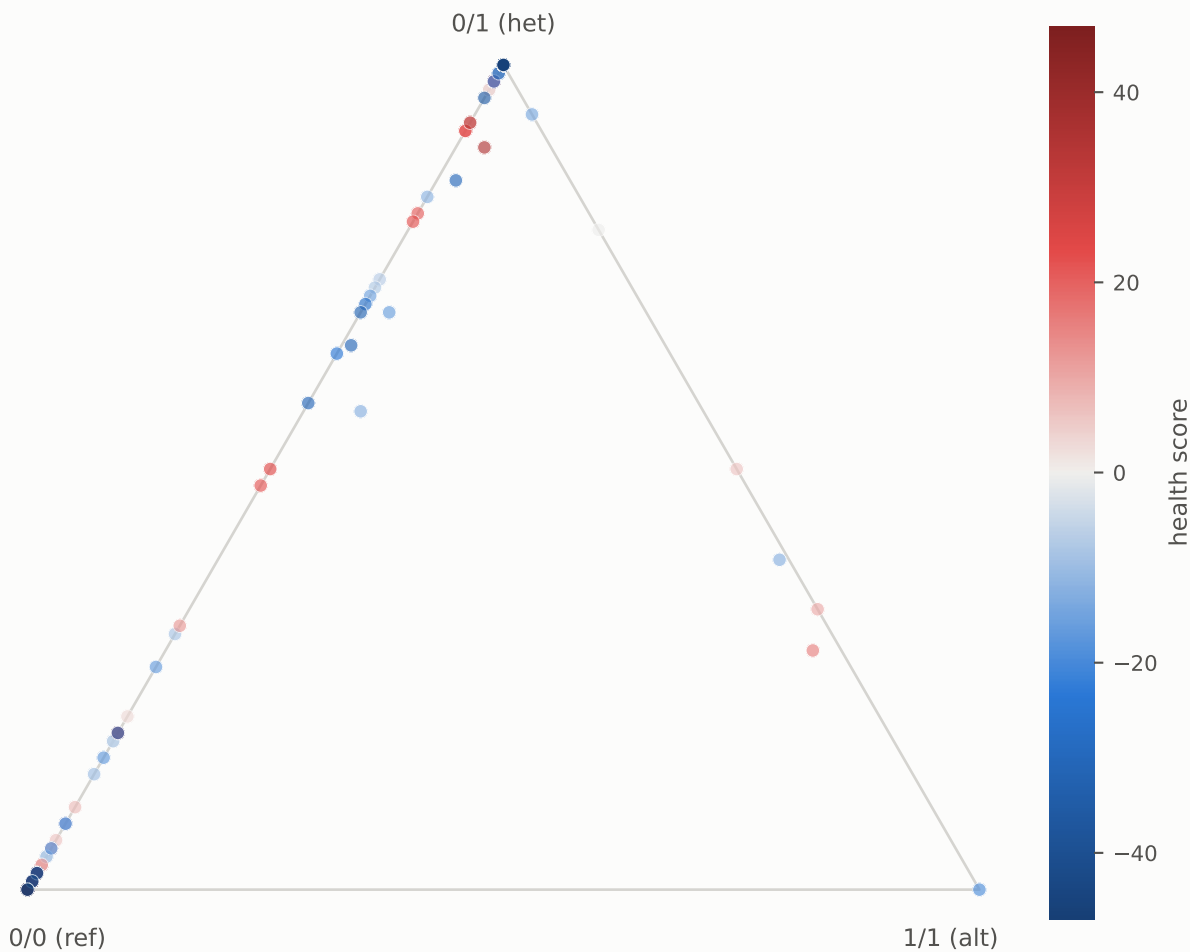
#106 by cluster health separation CHR_18:5,402,280 G>C
AF=0.058 DR2=0.96 r=-0.172 H=0.011 F=16.9



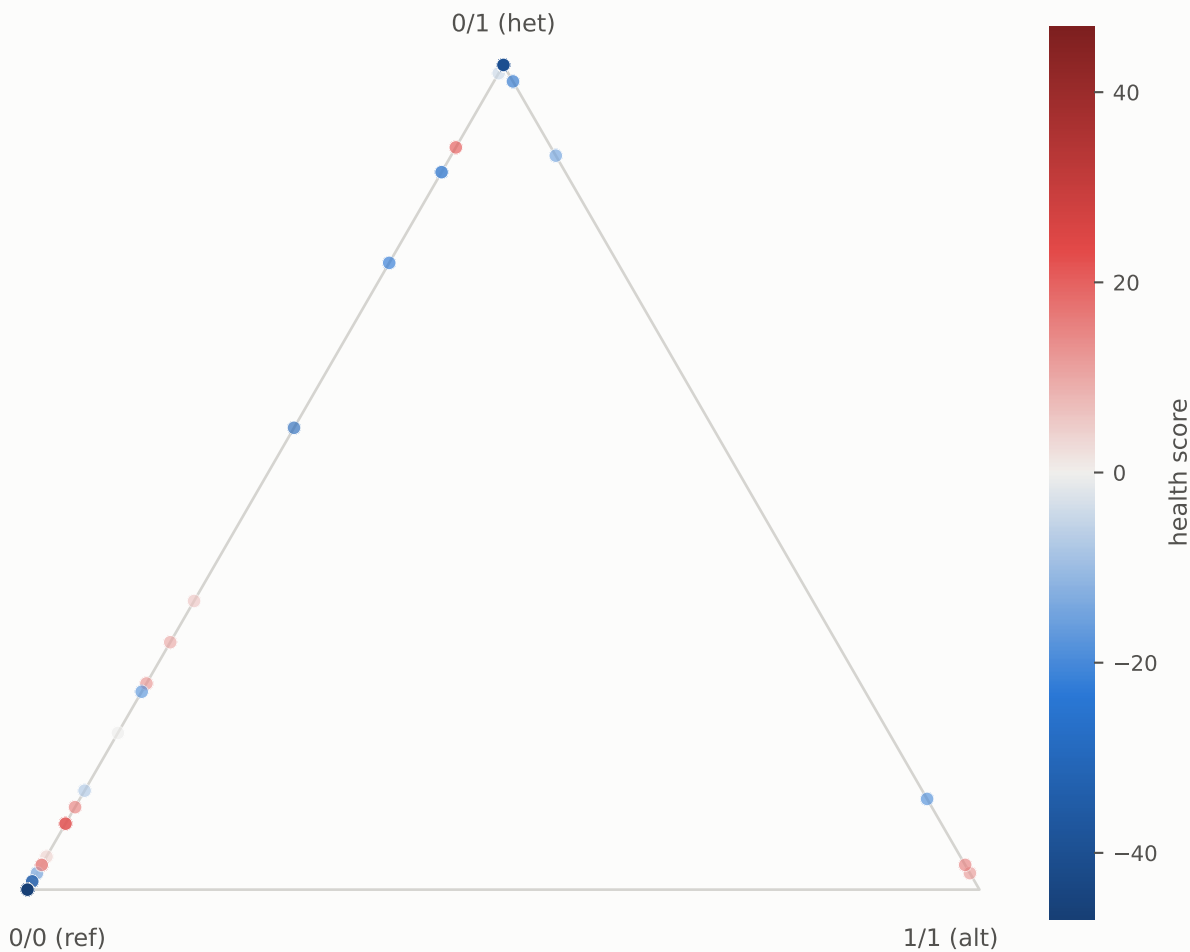
#107 by cluster health separation CHR_22:6,486,513 T>C
AF=0.034 DR2=0.81 r=-0.188 H=0.052 F=16.9



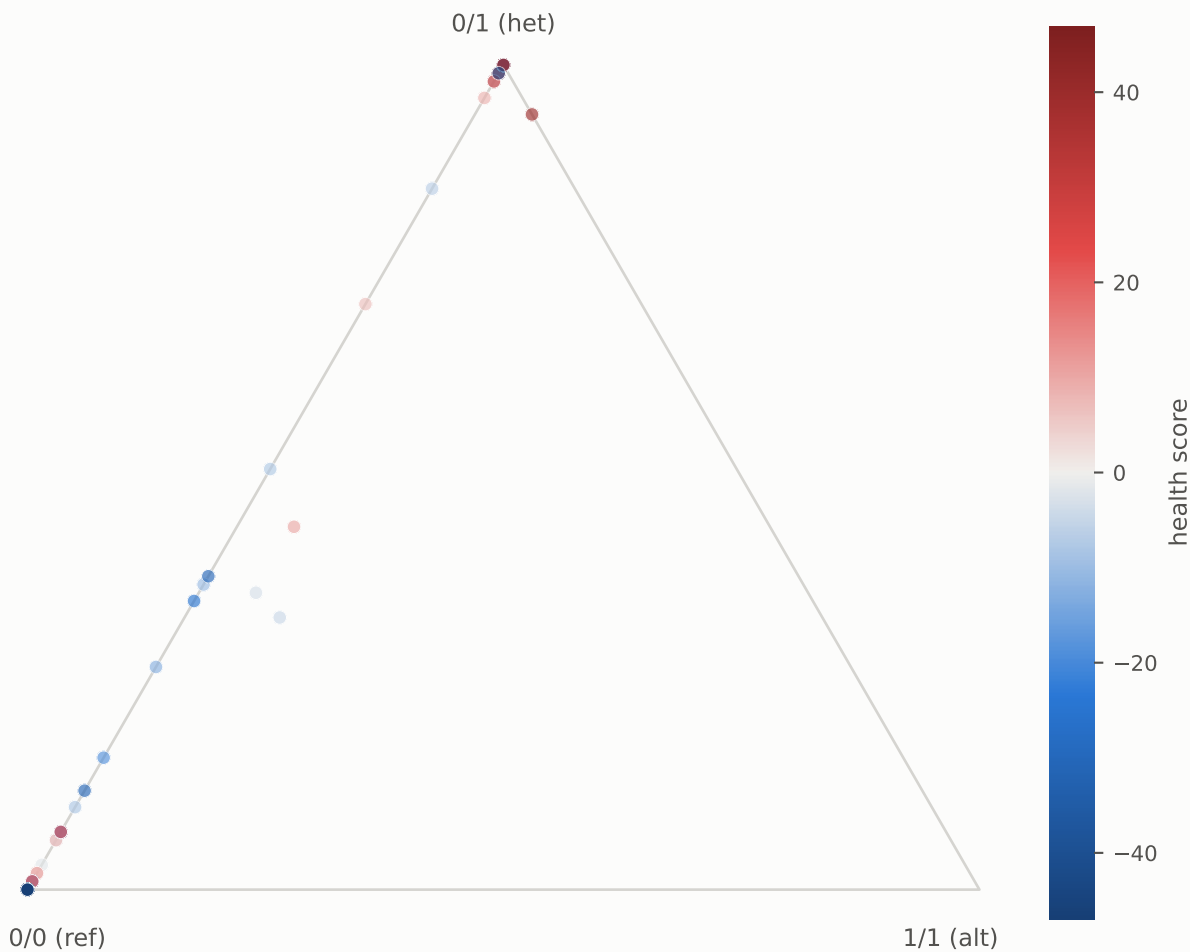
#108 by cluster health separation CHR_22:12,935,060 C>T
AF=0.18 DR2=0.93 r=-0.181 H=0.057 F=16.9



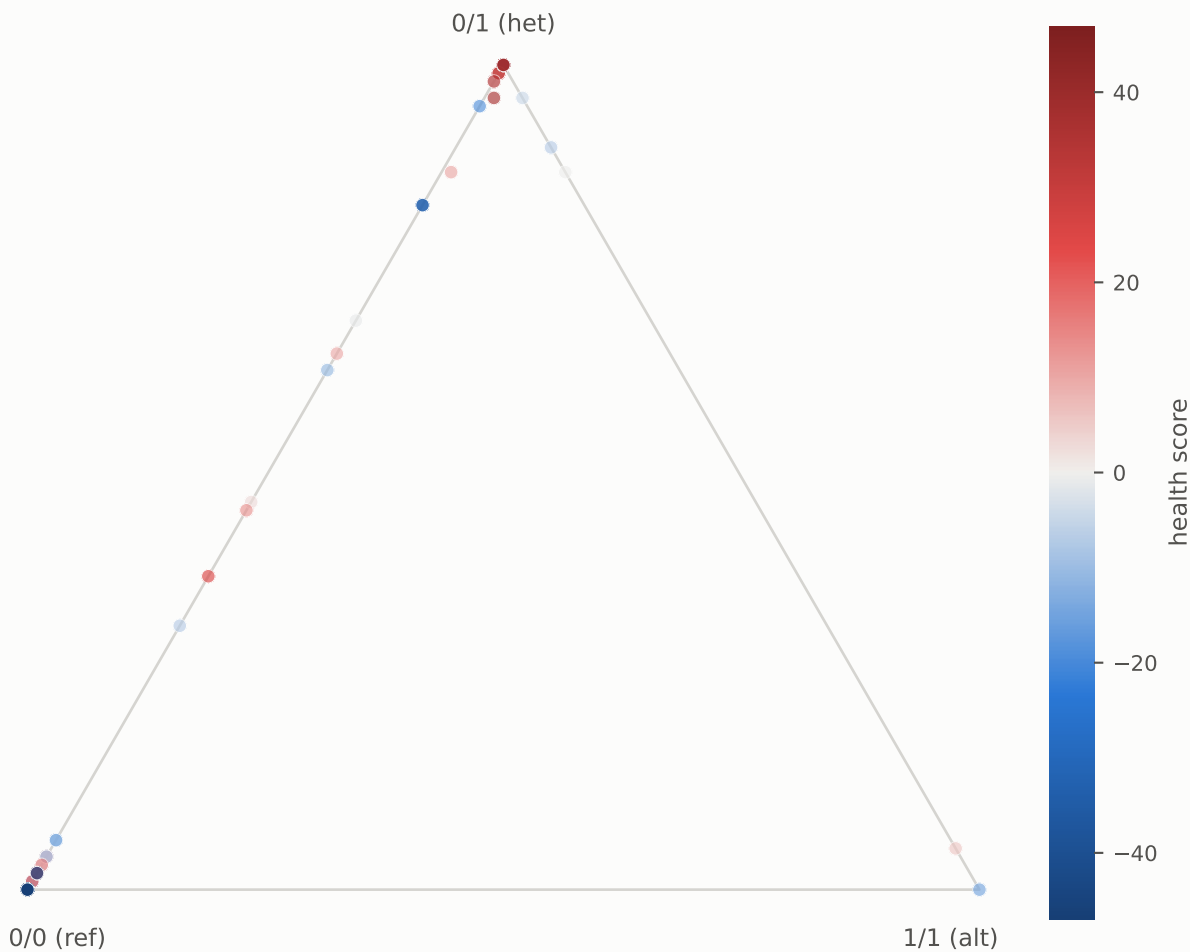
#109 by cluster health separation CHR_02:44,638,800 A>G
AF=0.053 DR2=0.96 r=-0.155 H=0.019 F=16.9



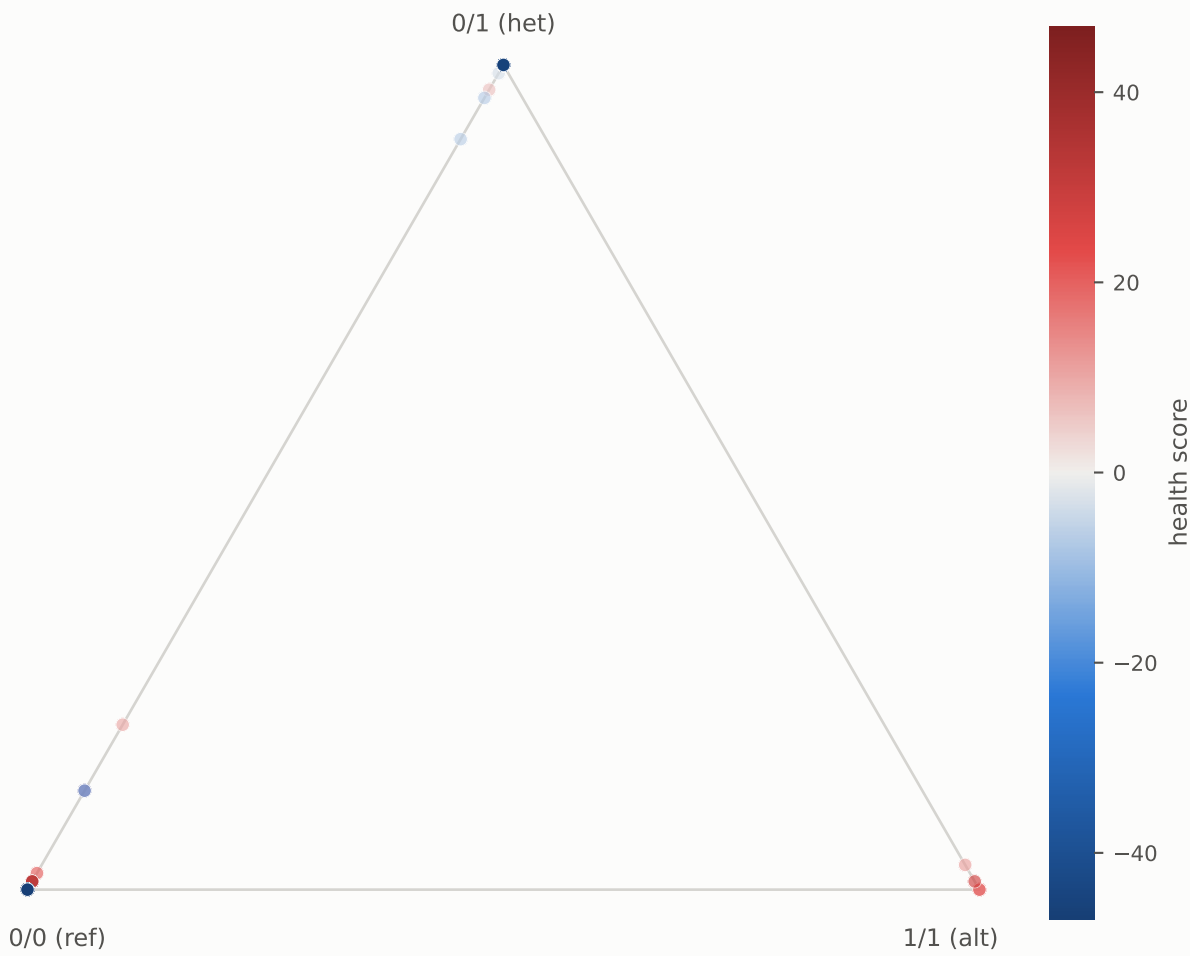
#110 by cluster health separation CHR_09:33,170,897 G>A
AF=0.076 DR2=0.93 r=+0.182 H=0.025 F=16.8



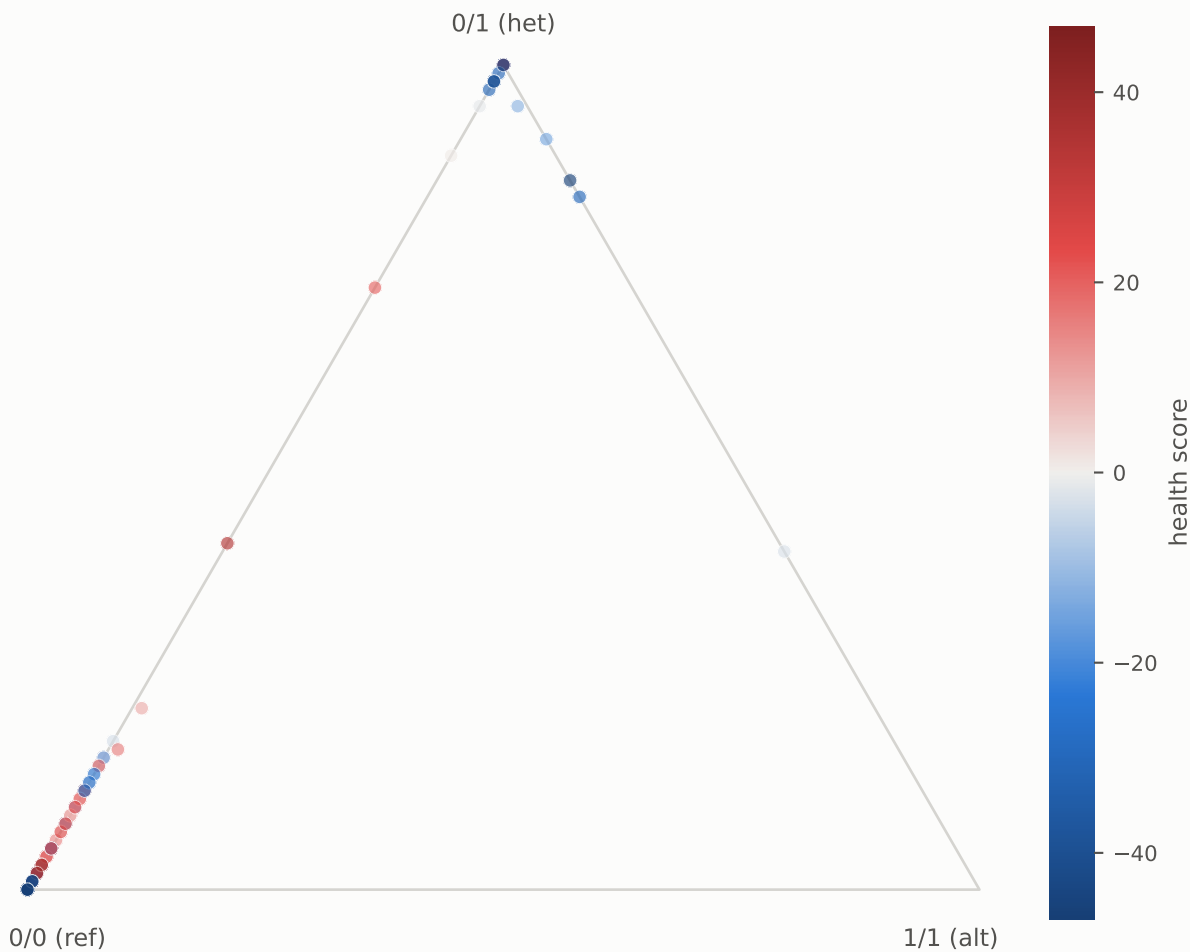
#111 by cluster health separation CHR_14:16,969,485 T>C
AF=0.089 DR2=0.95 $r=+0.186$ $H=0.022$ F=16.8



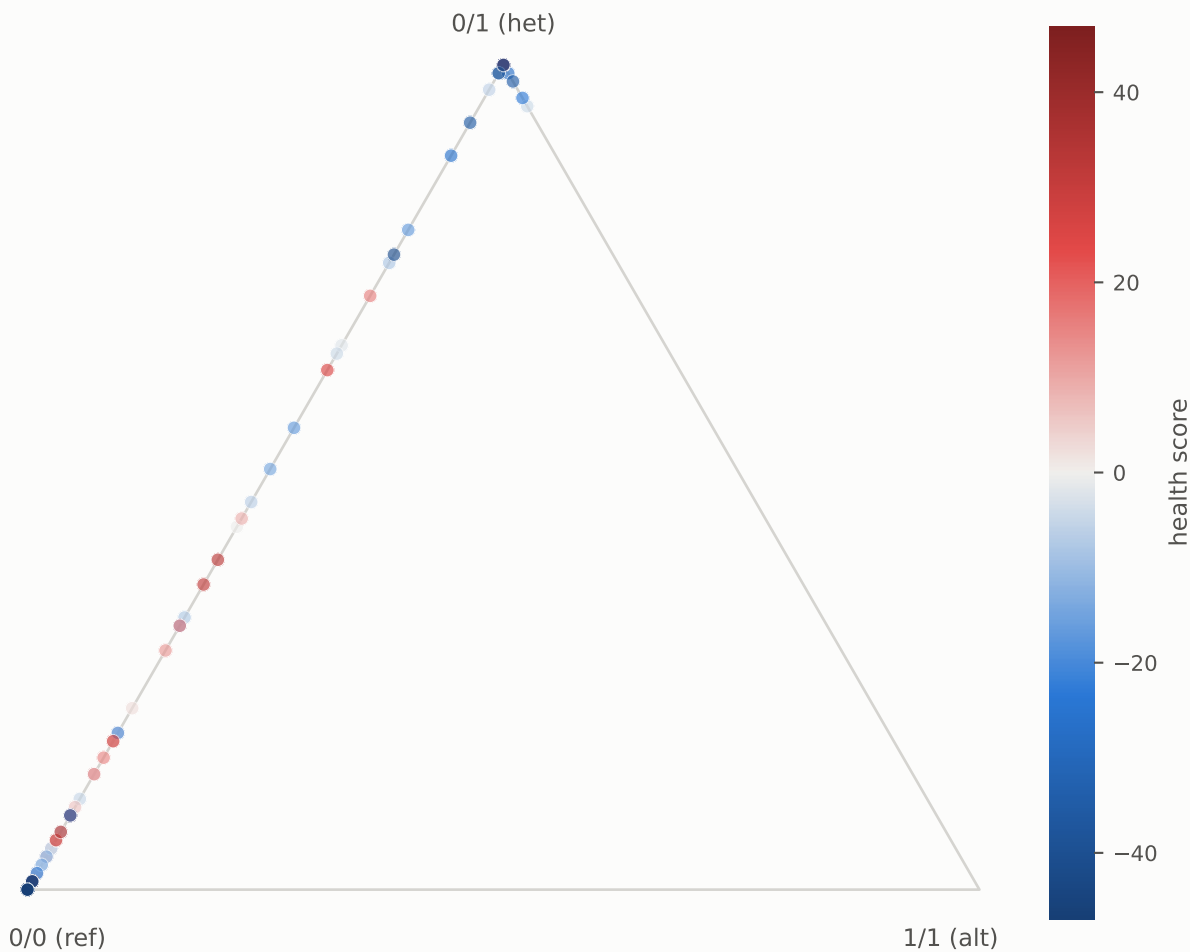
#112 by cluster health separation CHR_01:47,385,851 A>G
AF=0.099 DR2=0.99 r=-0.136 H=0.006 F=16.8



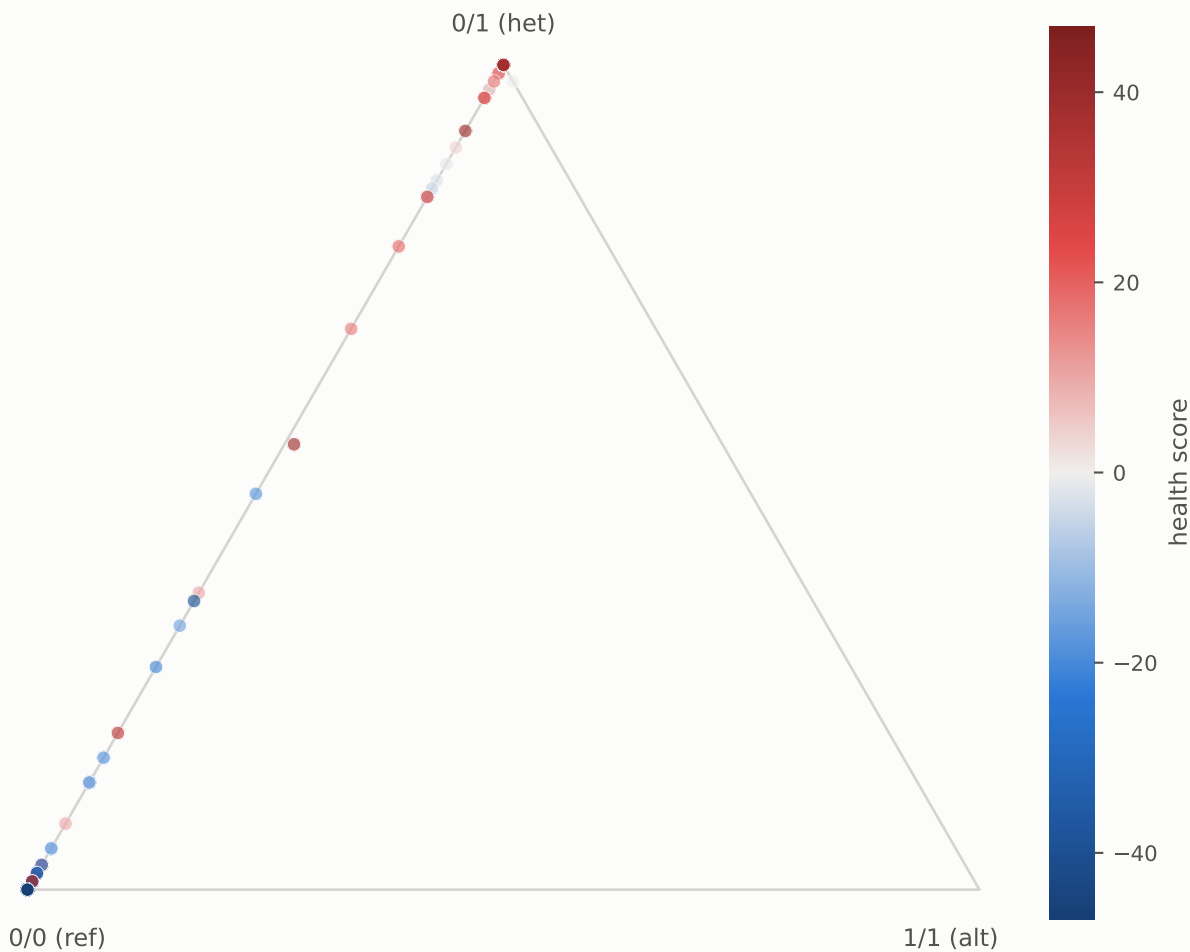
#113 by cluster health separation CHR_10:4,206,271 G>C
AF=0.038 DR2=0.85 $r=-0.182$ H=0.047 F=16.8



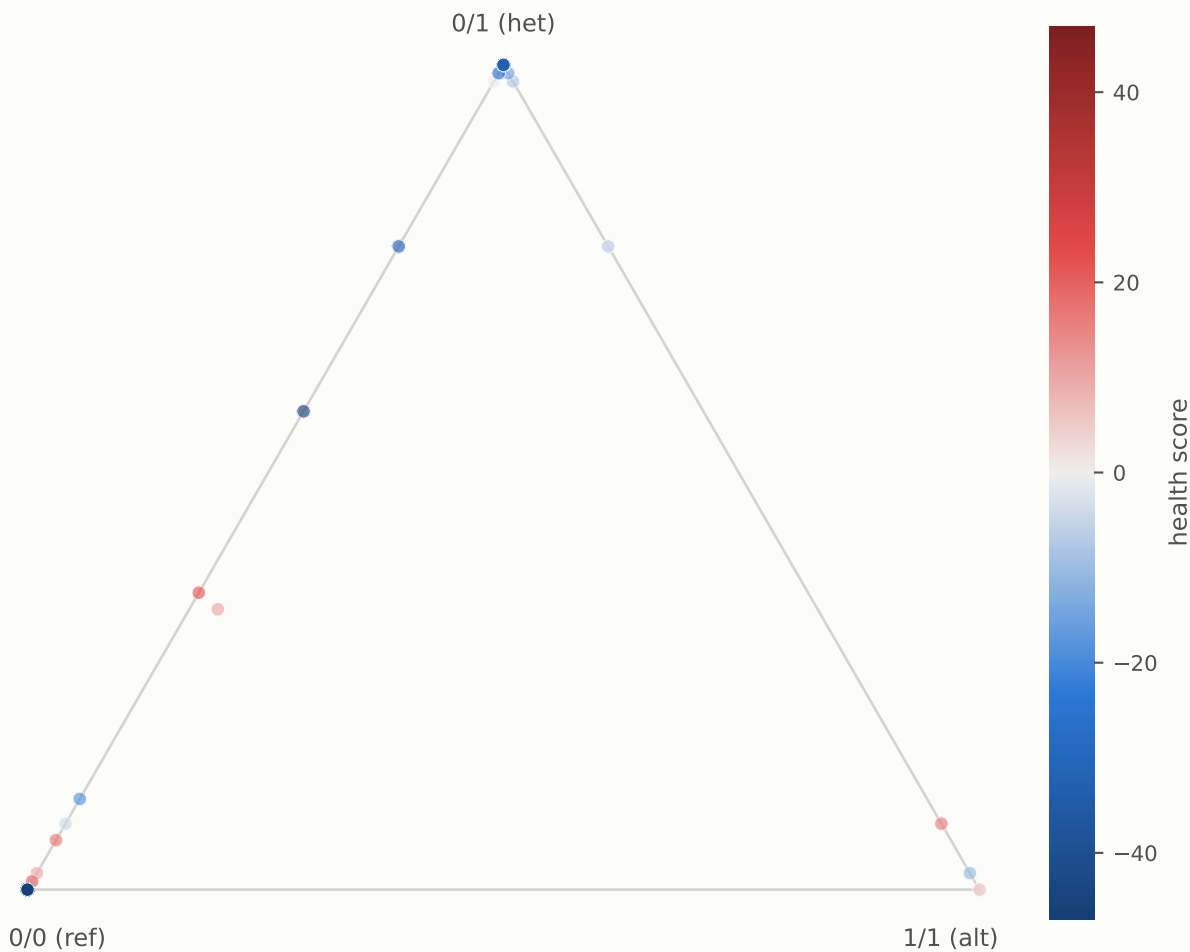
#114 by cluster health separation CHR_20:22,599,449 G>A
AF=0.043 DR2=0.82 $r=-0.176$ H=0.050 F=16.8



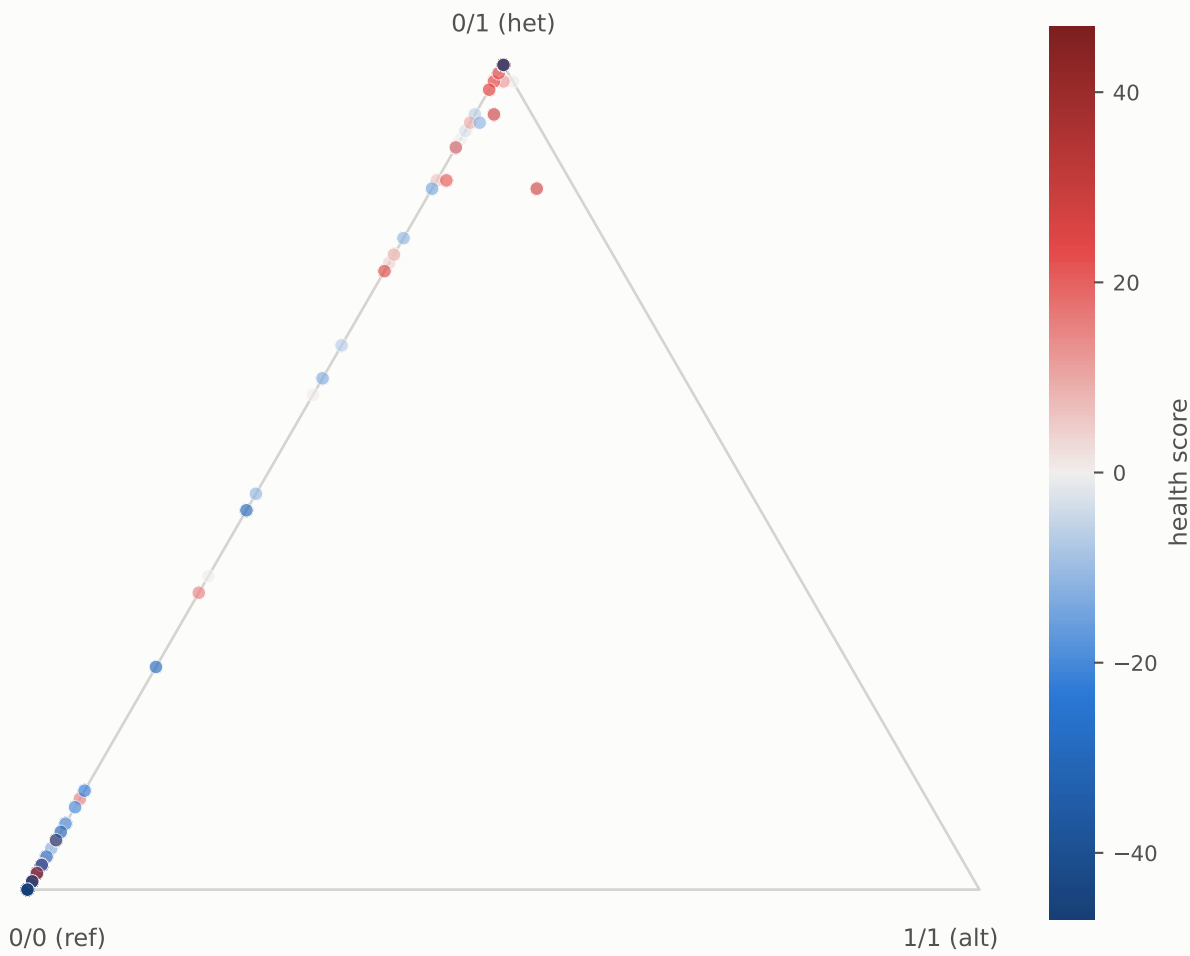
#115 by cluster health separation CHR_21:18,107,871 G>A
AF=0.06 DR2=0.91 r=+0.171 H=0.033 F=16.8



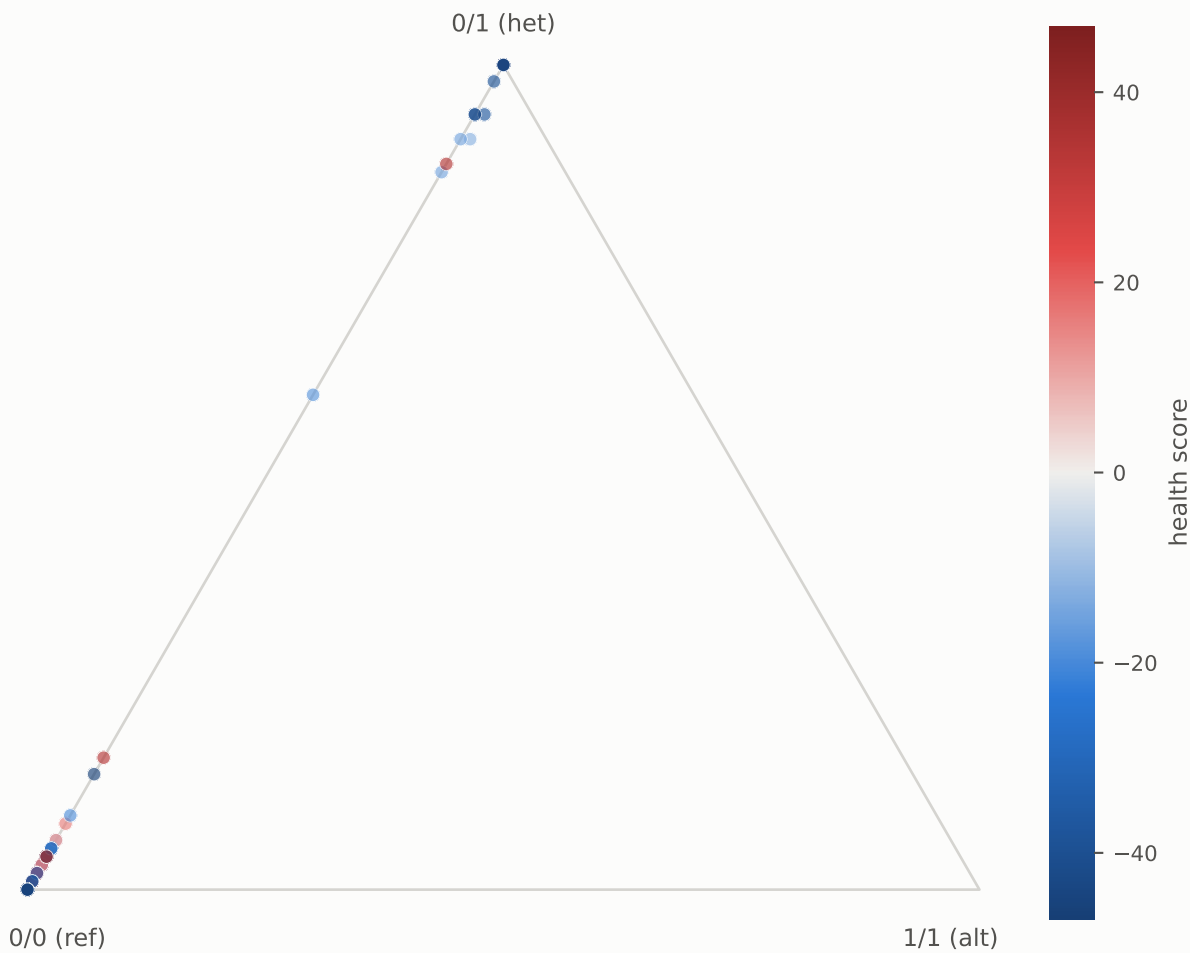
#116 by cluster health separation CHR_21:4,541,987 G>A
AF=0.048 DR2=0.97 r=-0.138 H=0.012 F=16.8



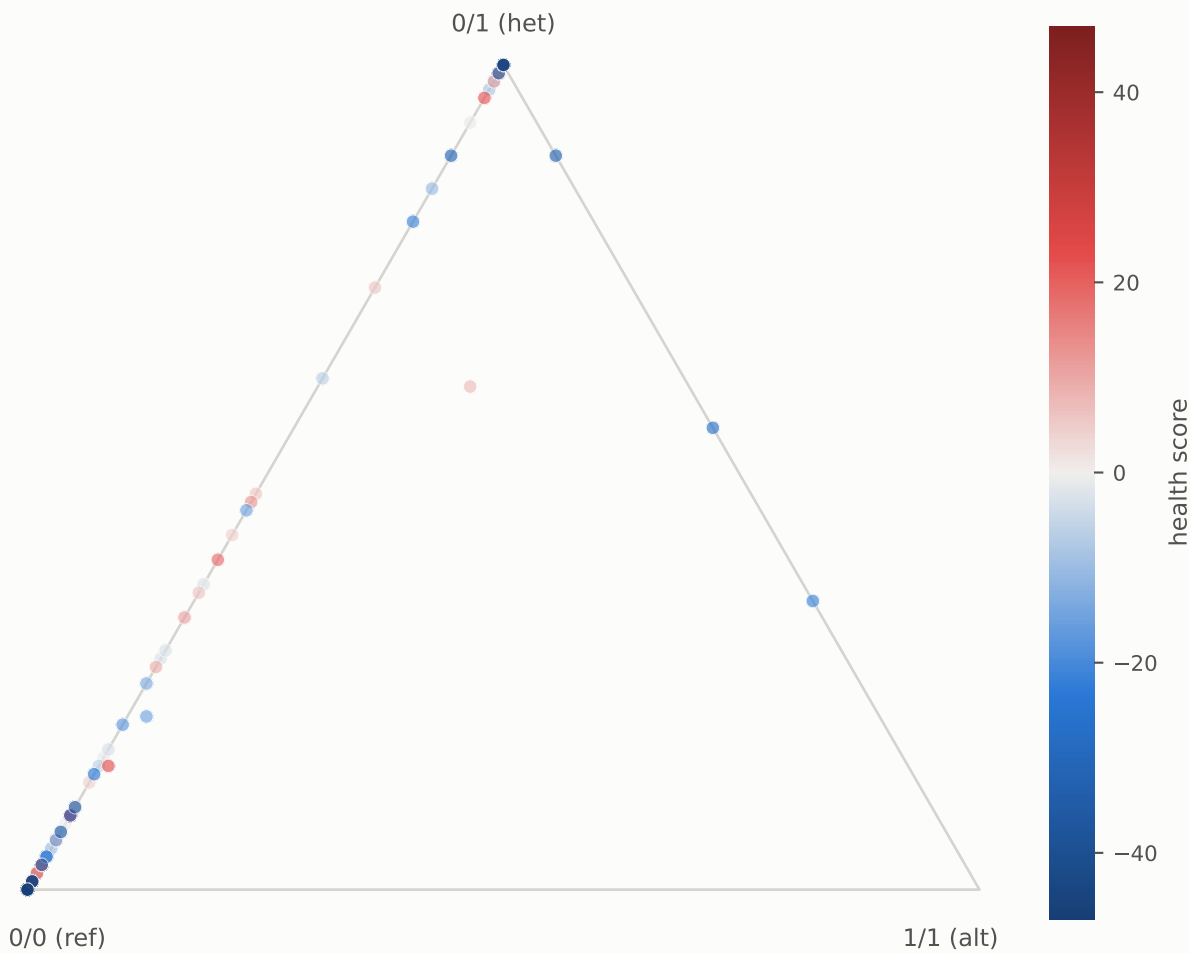
#117 by cluster health separation CHR_08:27,120,658 G>A
AF=0.063 DR2=0.88 r=+0.187 H=0.051 F=16.7



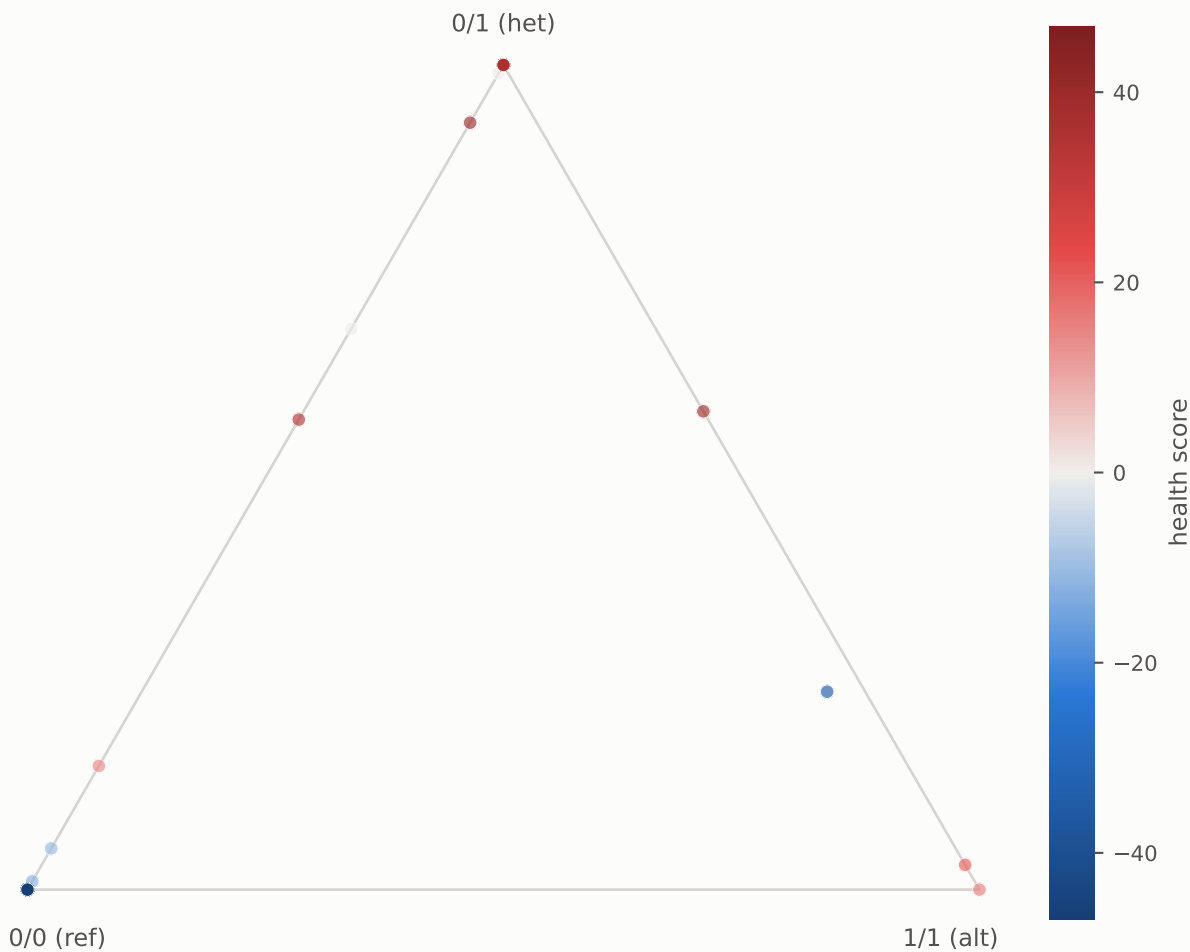
#118 by cluster health separation CHR_19:11,609,876 G>A
AF=0.021 DR2=0.81 r=-0.190 H=0.037 F=16.6



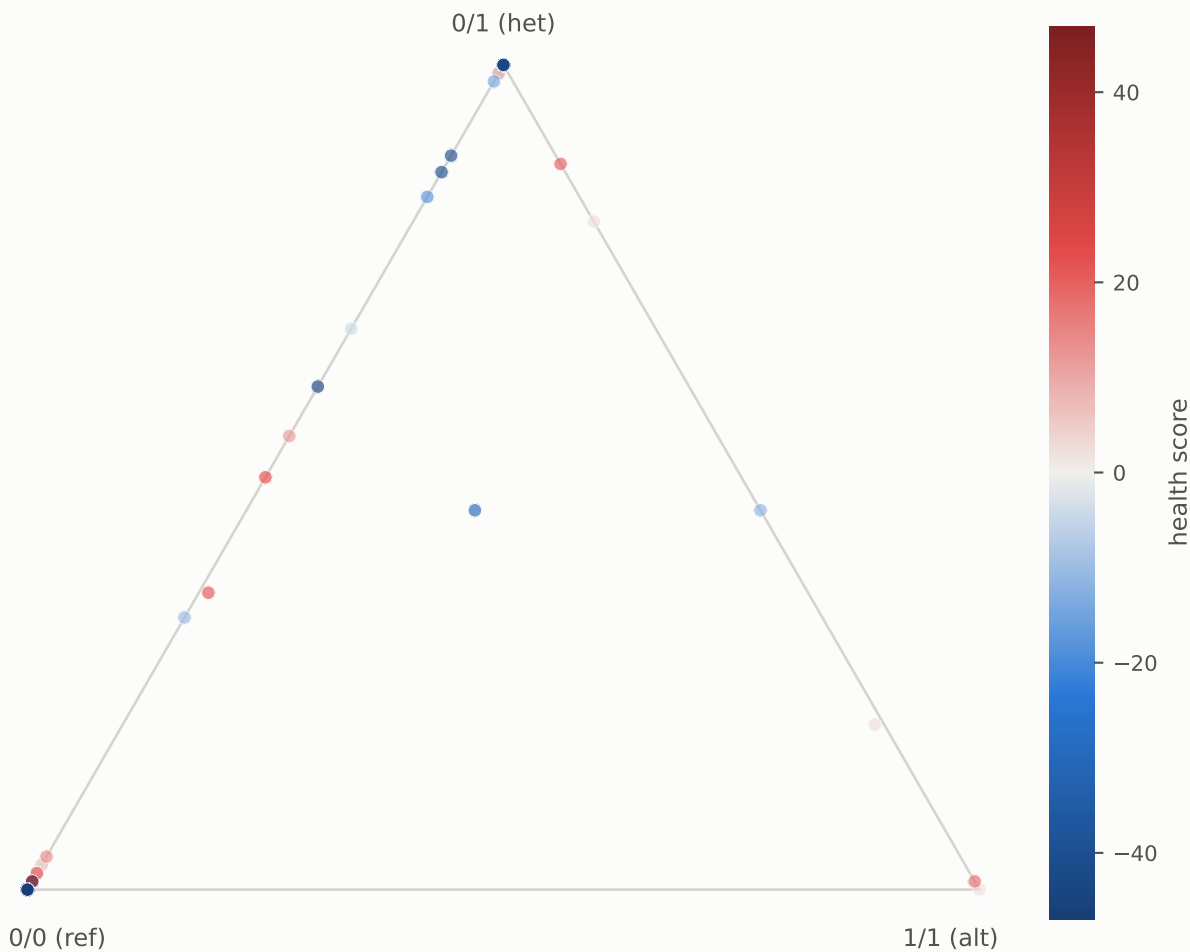
#119 by cluster health separation CHR_23:2,462,770 T>C
AF=0.062 DR2=0.83 r=-0.200 H=0.059 F=16.6



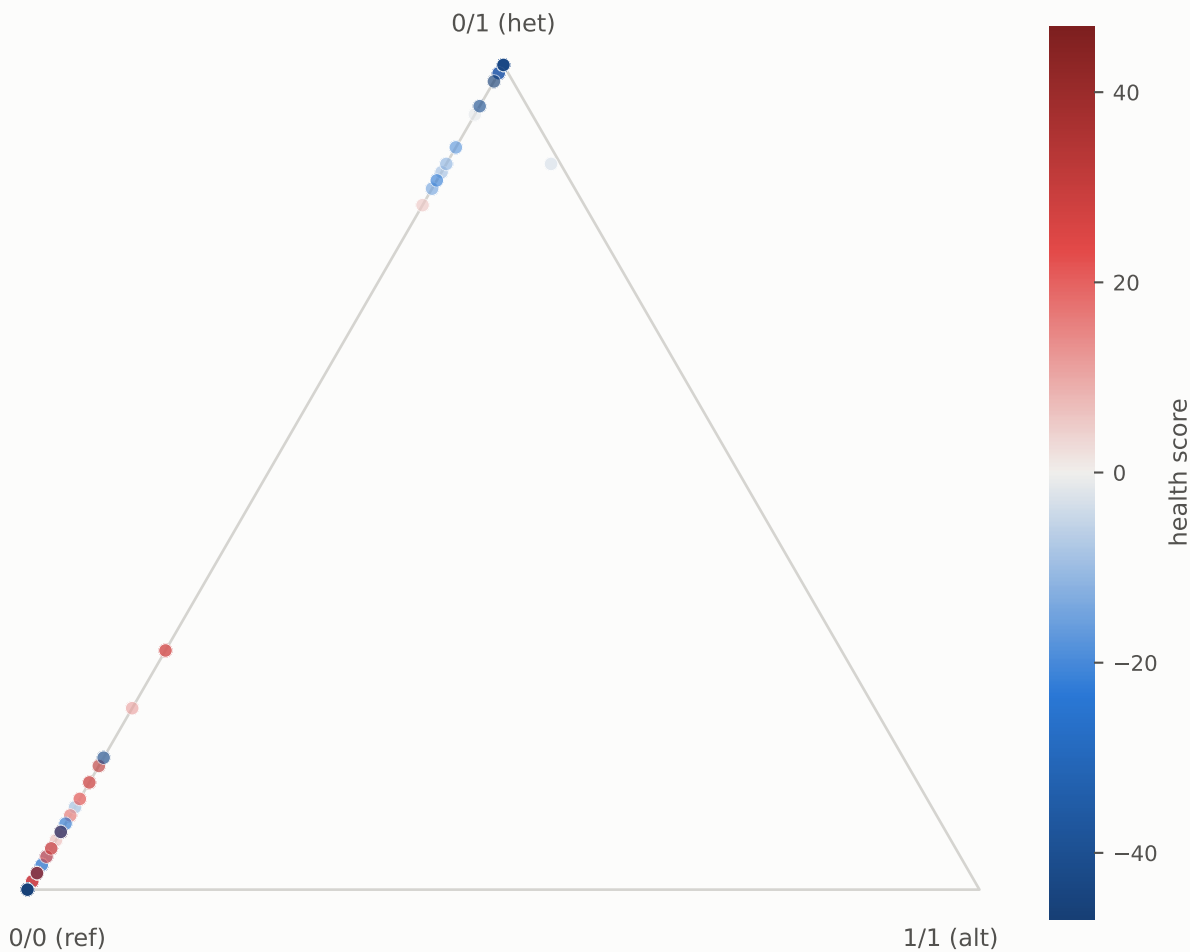
#120 by cluster health separation CHR_16:15,375,047 T>C
AF=0.05 DR2=0.97 r=+0.174 H=0.008 F=16.6



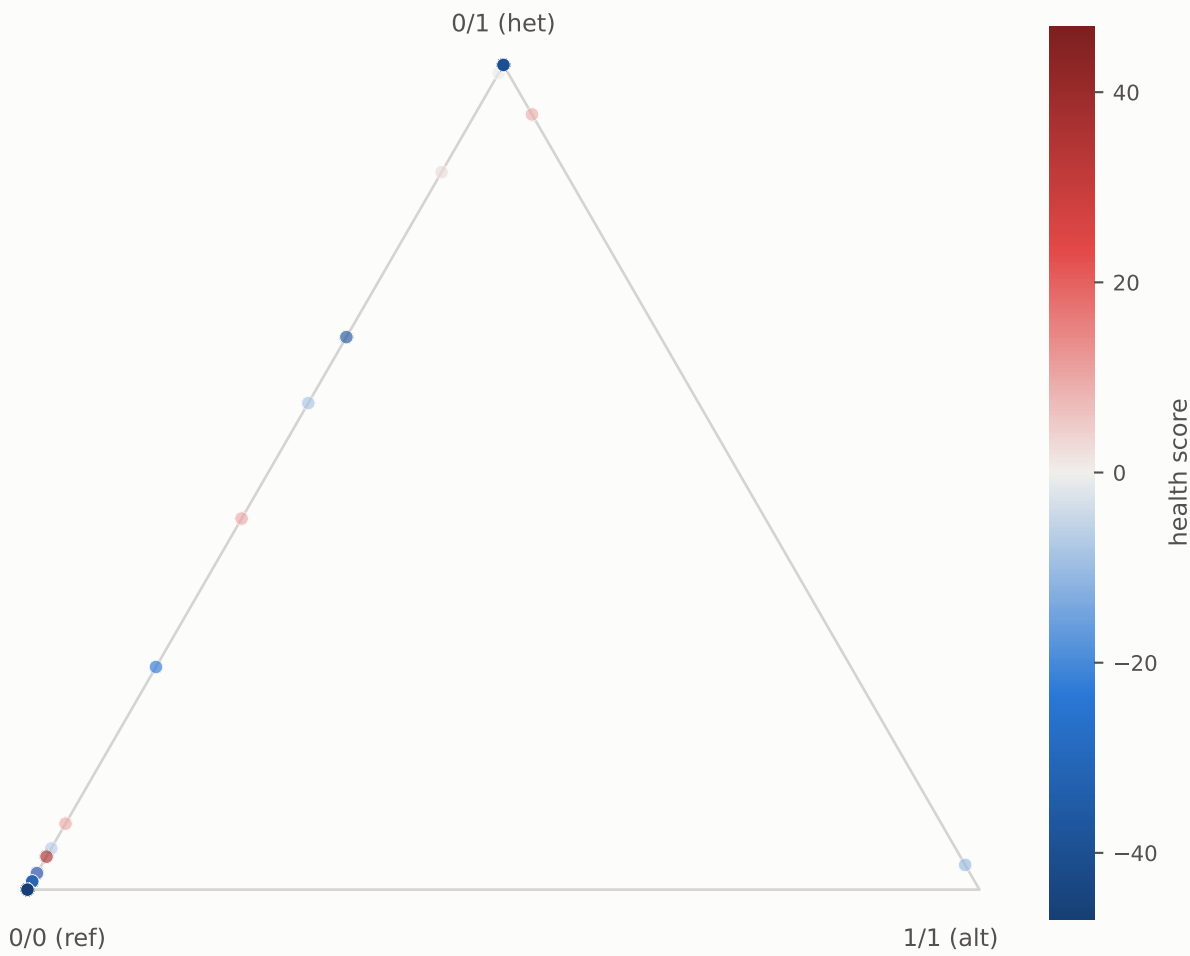
#121 by cluster health separation CHR_22:3,995,517 G>T
AF=0.044 DR2=0.93 r=-0.142 H=0.025 F=16.6



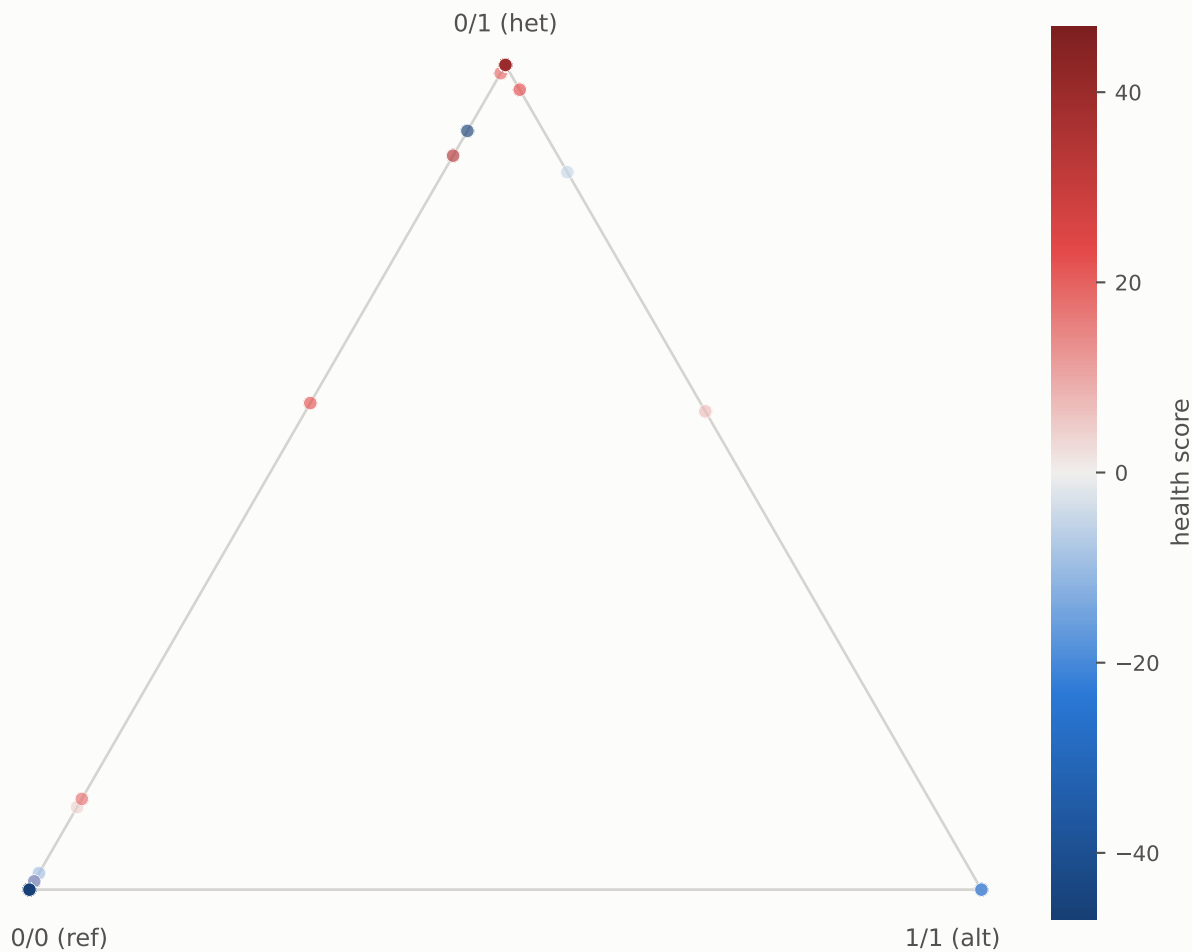
#122 by cluster health separation CHR_10:1,942,108 A>G
AF=0.052 DR2=0.91 r=-0.179 H=0.033 F=16.6



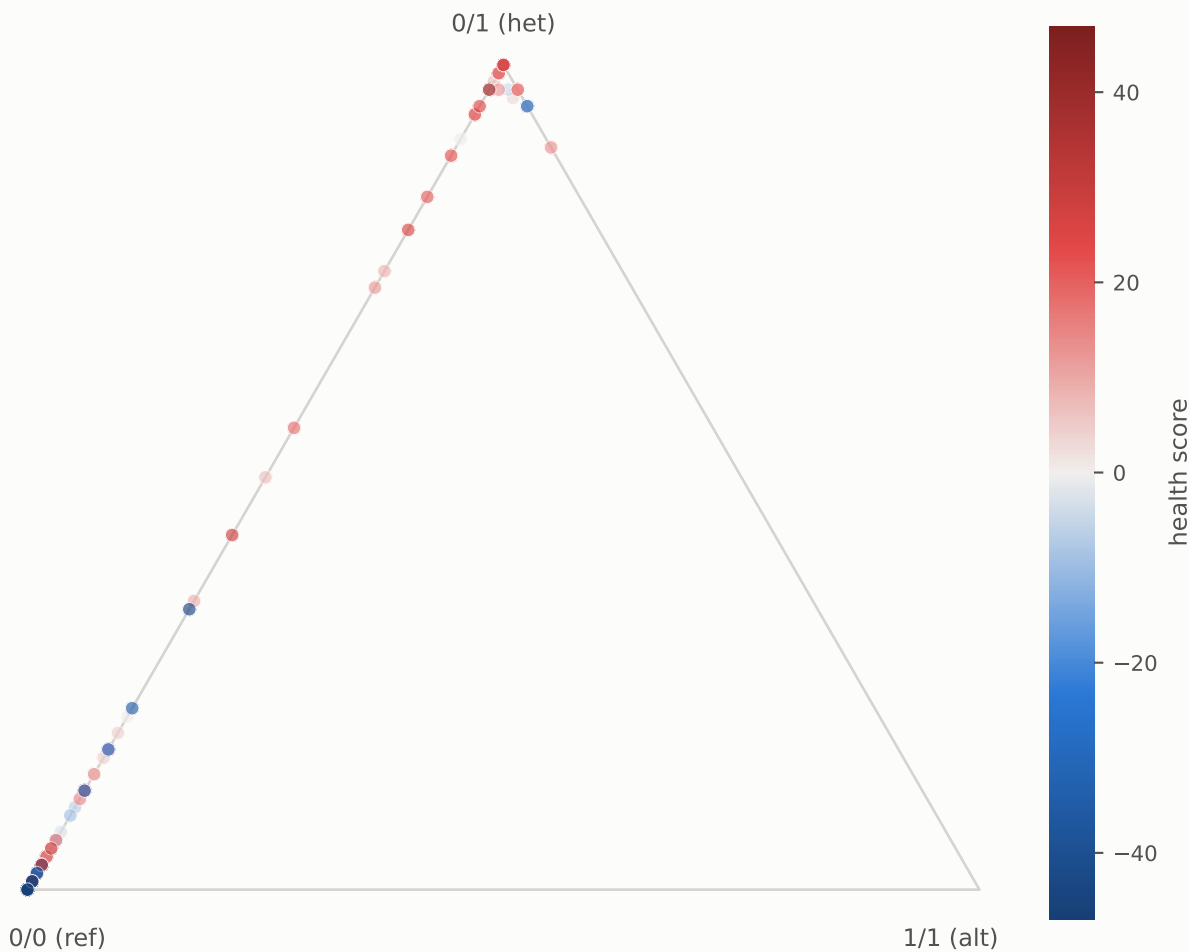
#123 by cluster health separation CHR_06:28,770,709 C>T
AF=0.051 DR2=0.94 r=-0.185 H=0.011 F=16.6



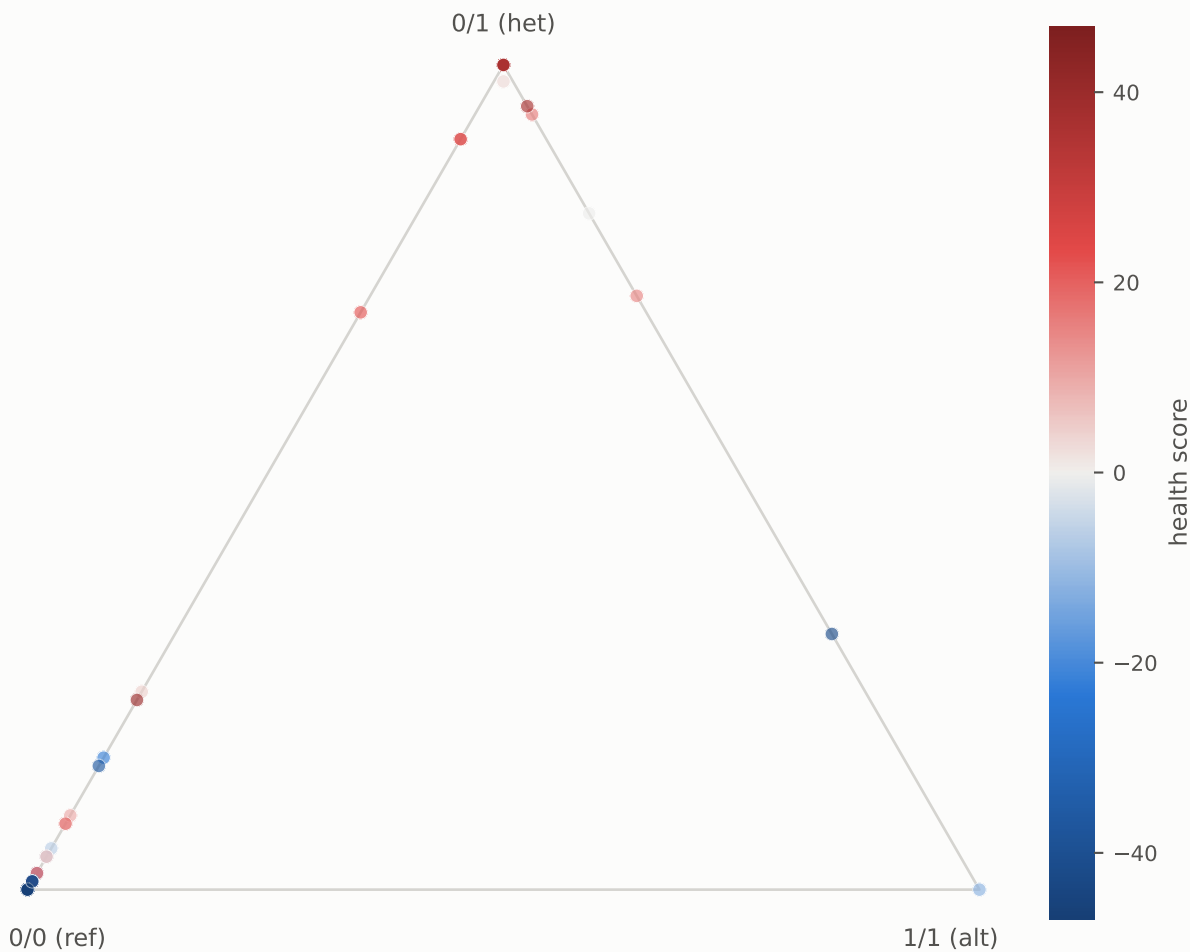
#124 by cluster health separation CHR_17:30,770,518 G>A
AF=0.096 DR2=0.99 r=+0.161 H=0.008 F=16.6



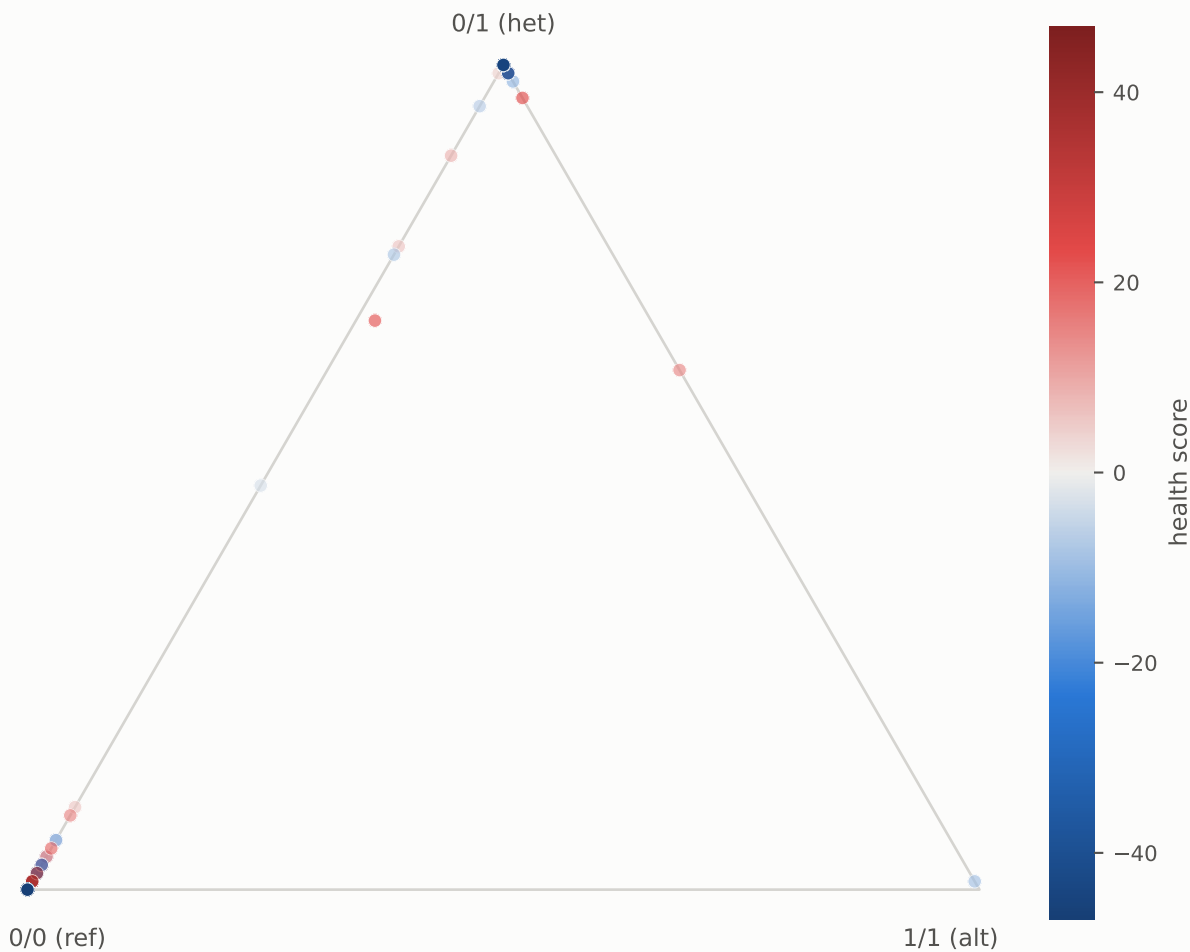
#125 by cluster health separation CHR_16:6,910,816 G>C
AF=0.037 DR2=0.83 r=+0.180 H=0.050 F=16.6



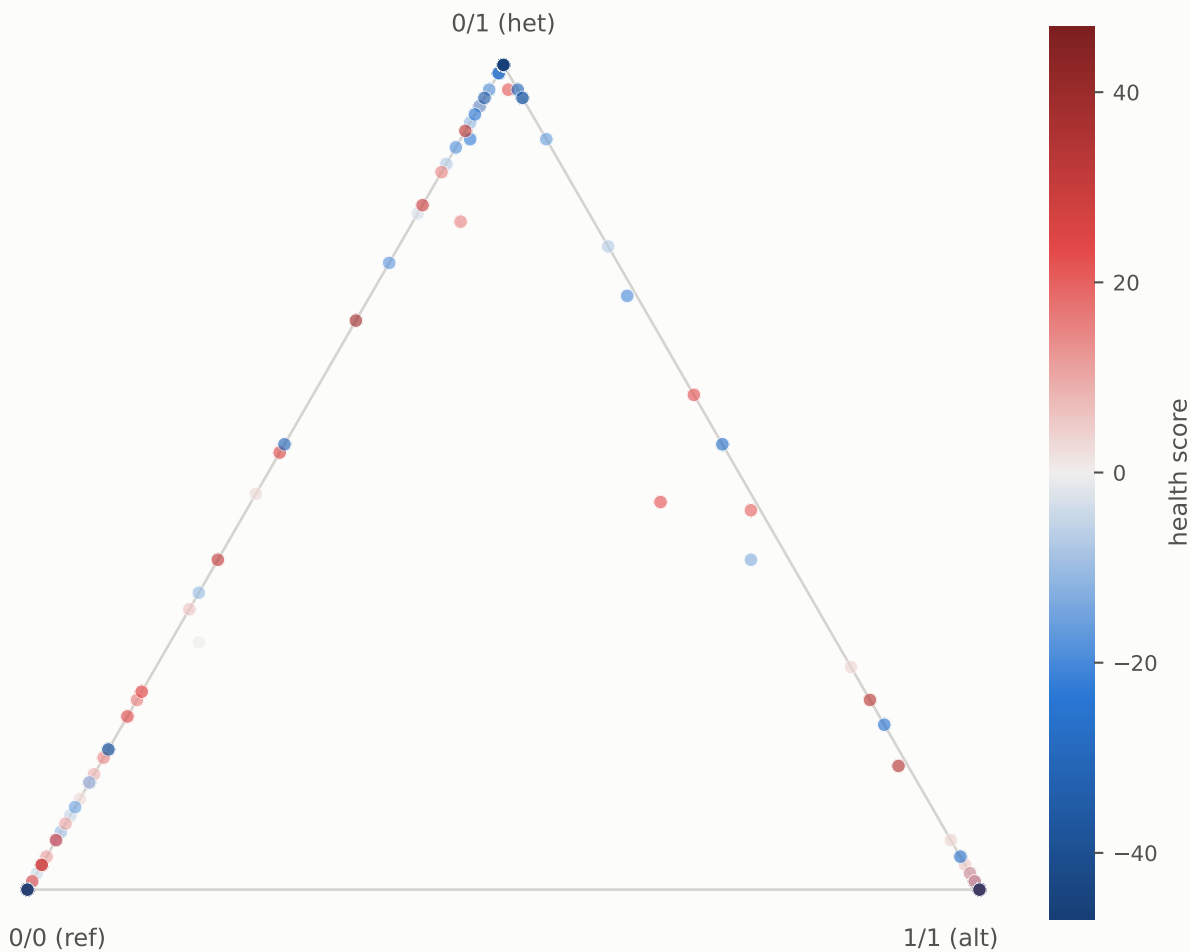
#126 by cluster health separation CHR_15:10,638,840 A>T
AF=0.051 DR2=0.95 r=+0.138 H=0.018 F=16.6



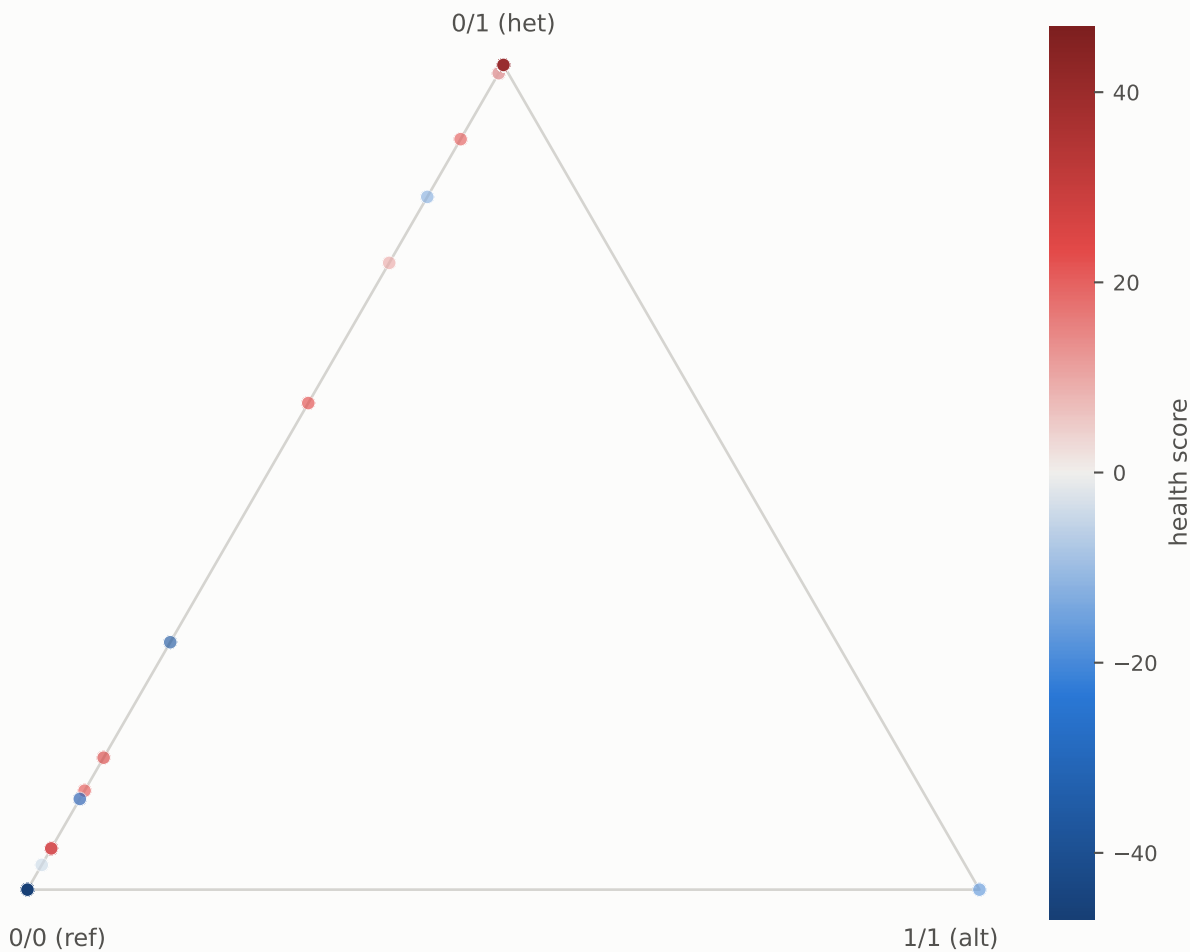
#127 by cluster health separation CHR_10:9,248,785 C>T
AF=0.058 DR2=0.95 r=-0.189 H=0.017 F=16.6



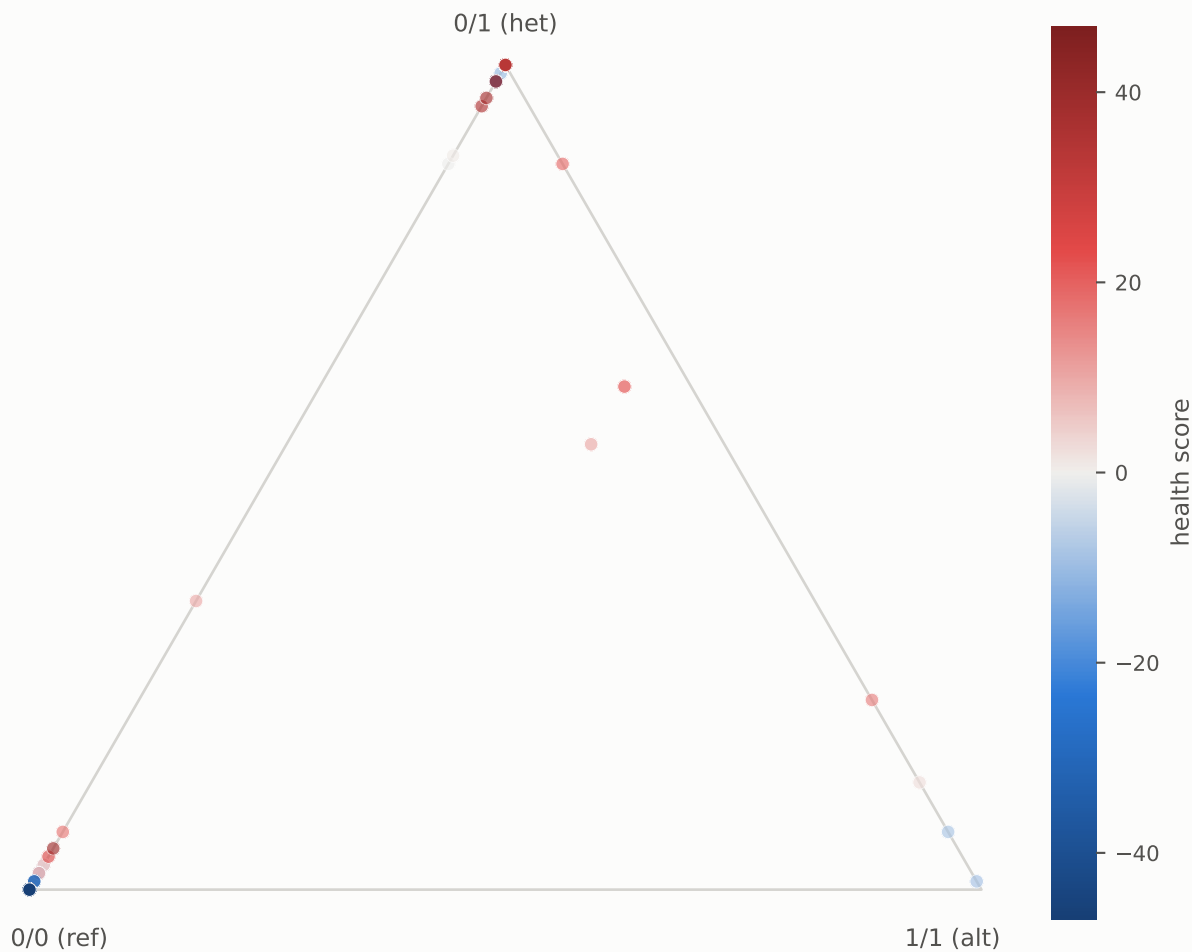
#128 by cluster health separation CHR_14:26,113,560 A>G
AF=0.45 DR2=0.96 r=-0.064 H=0.061 F=16.6



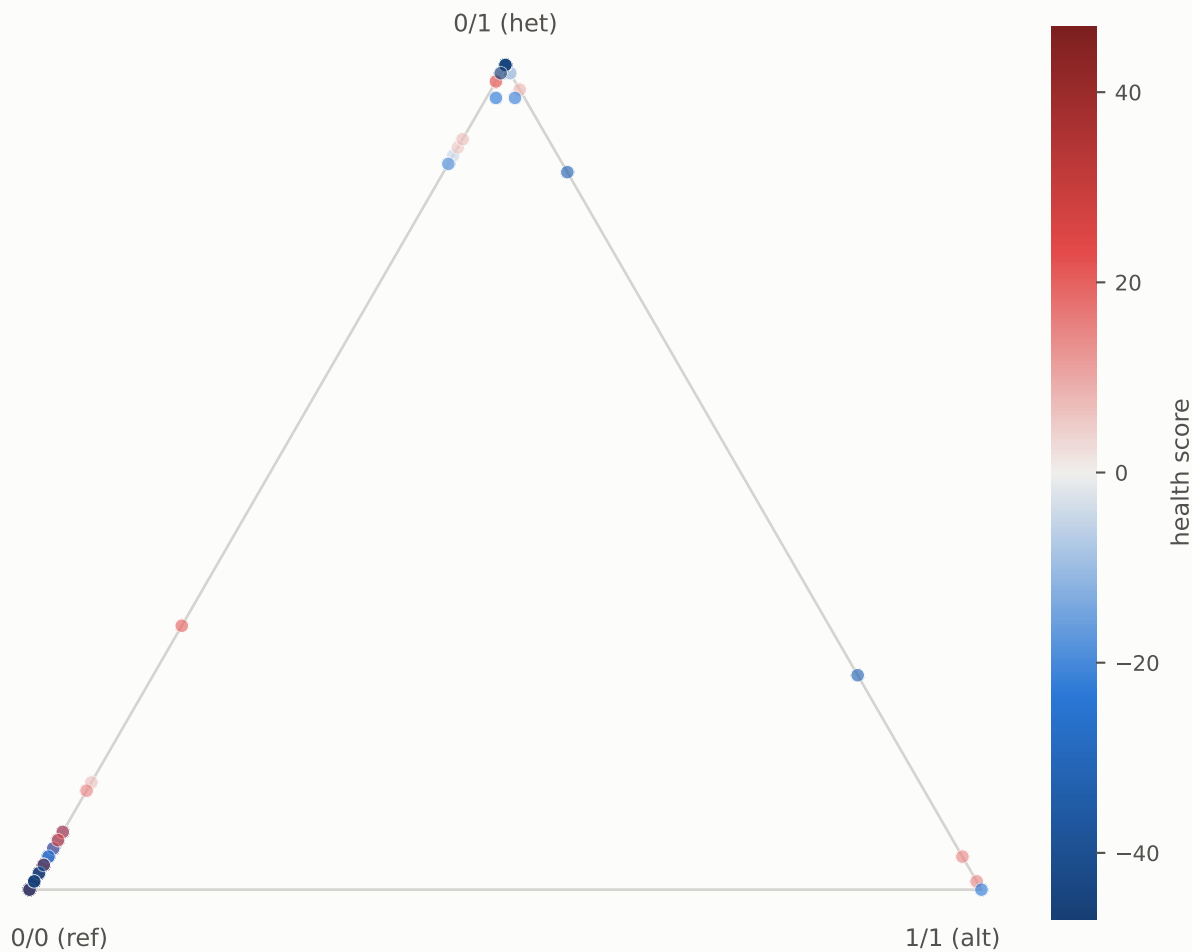
#129 by cluster health separation CHR_07:24,666,239 G>T
AF=0.056 DR2=0.96 r=+0.166 H=0.011 F=16.6



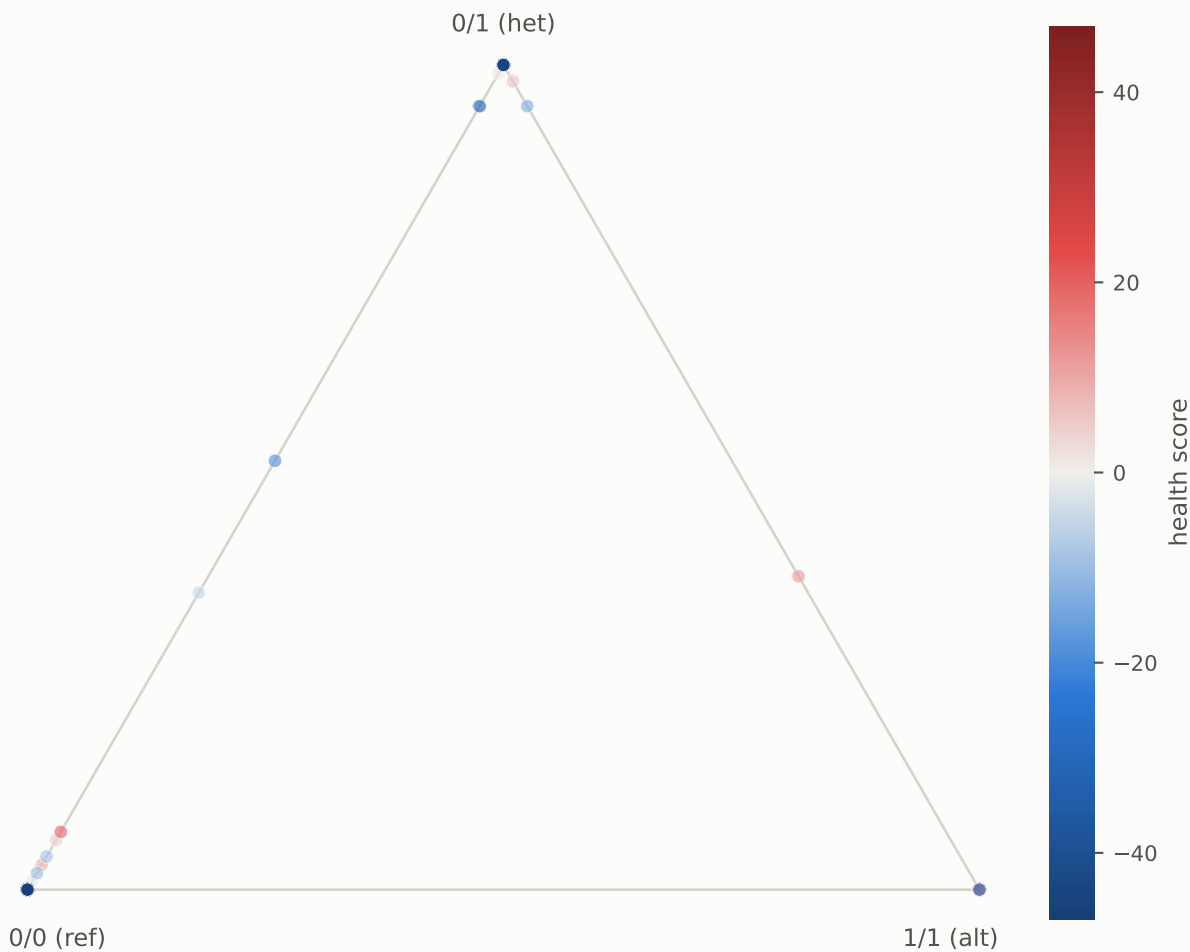
#130 by cluster health separation CHR_16:15,279,745 T>G
AF=0.055 DR2=0.94 r=+0.168 H=0.016 F=16.5



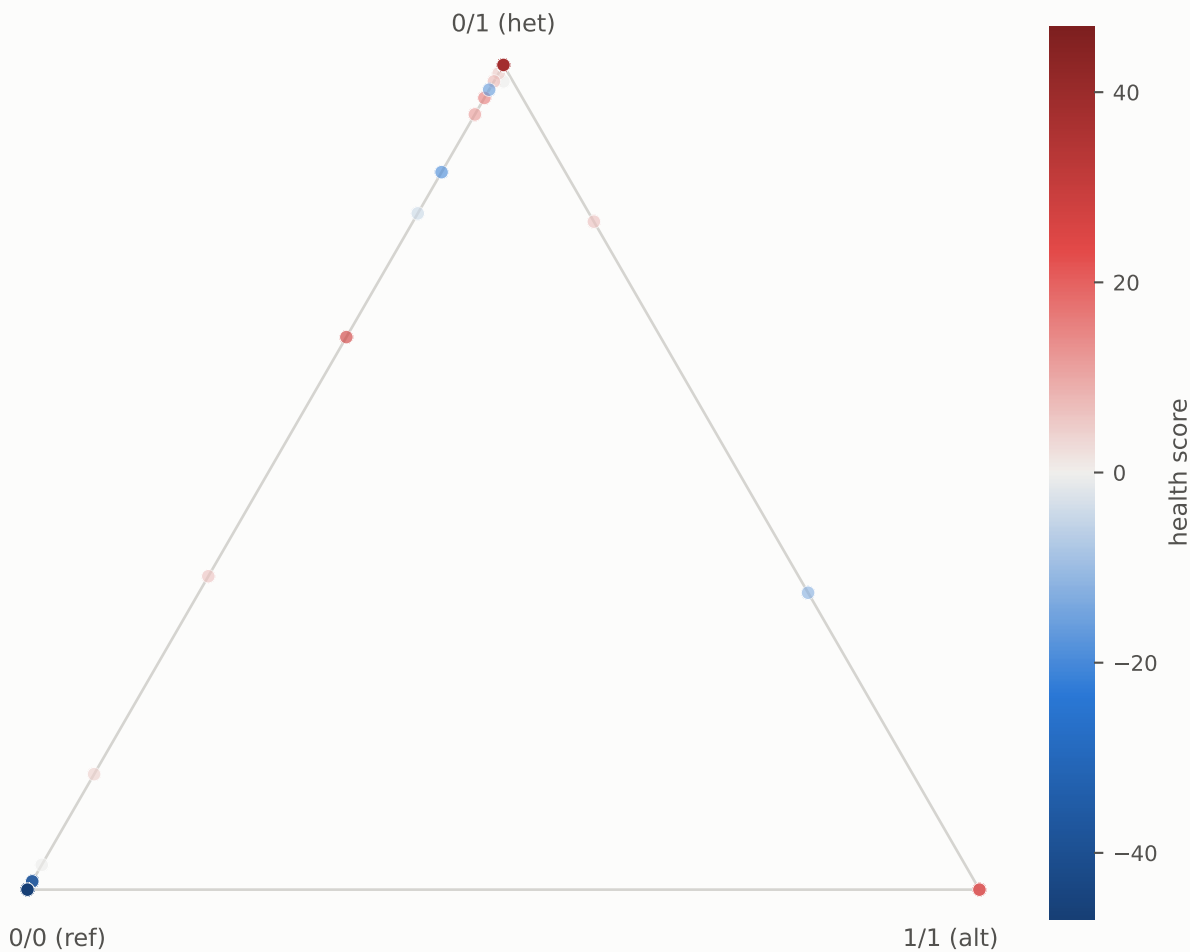
#131 by cluster health separation unpl-scaff_100:6,385 G>A
AF=0.036 DR2=0.89 r=-0.168 H=0.038 F=16.5



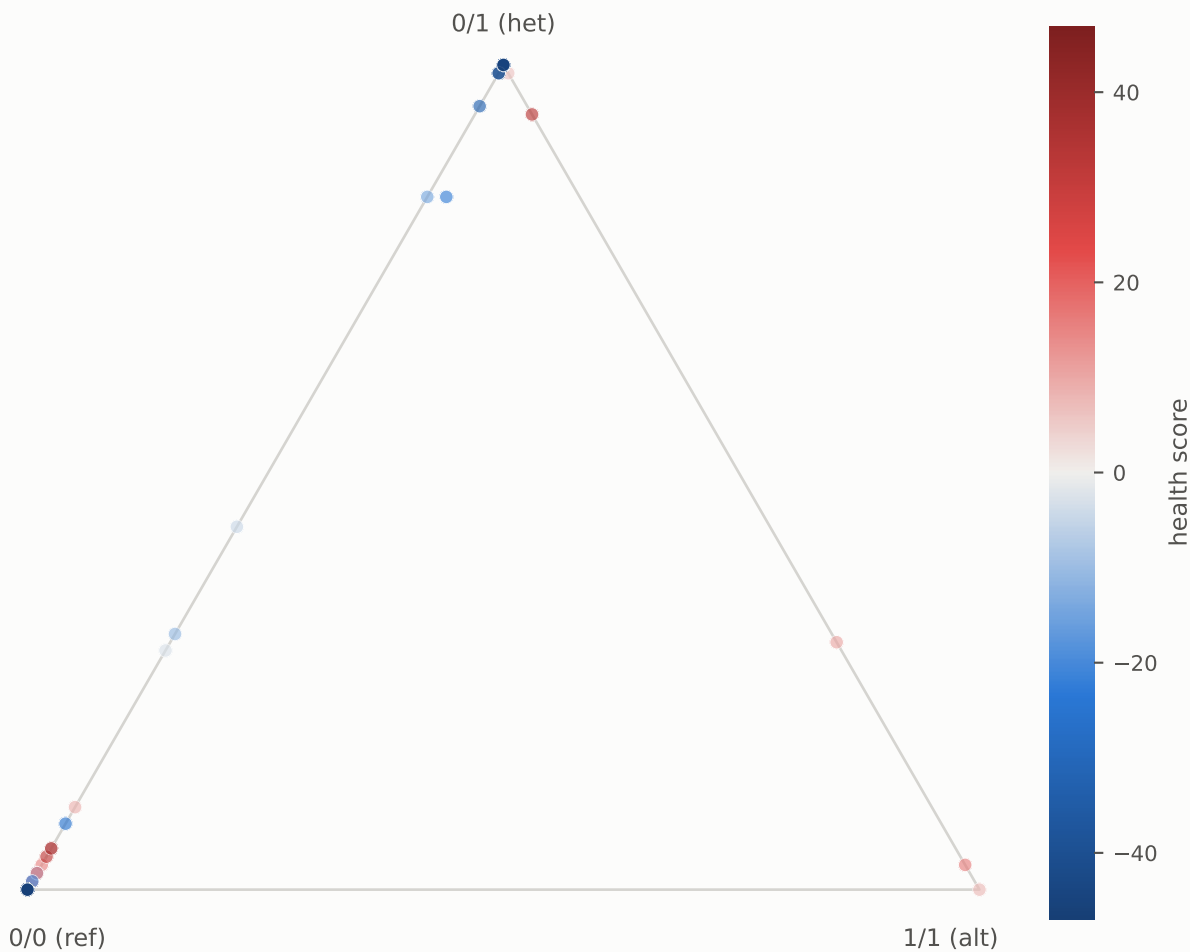
#132 by cluster health separation CHR_18:5,401,743 T>C
AF=0.054 DR2=0.97 r=-0.164 H=0.008 F=16.5



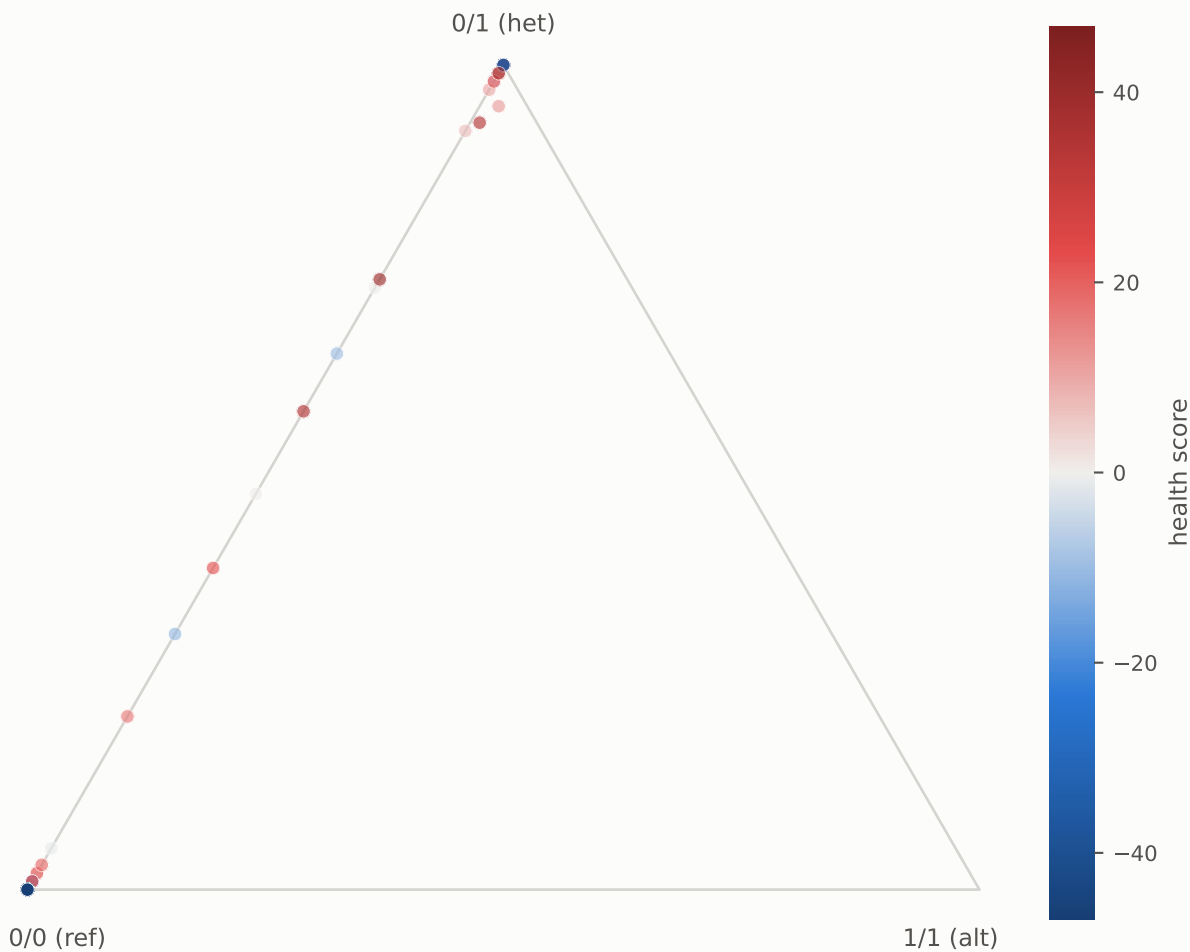
#133 by cluster health separation CHR_08:29,357,117 C>T
AF=0.063 DR2=0.98 r=+0.187 H=0.011 F=16.4



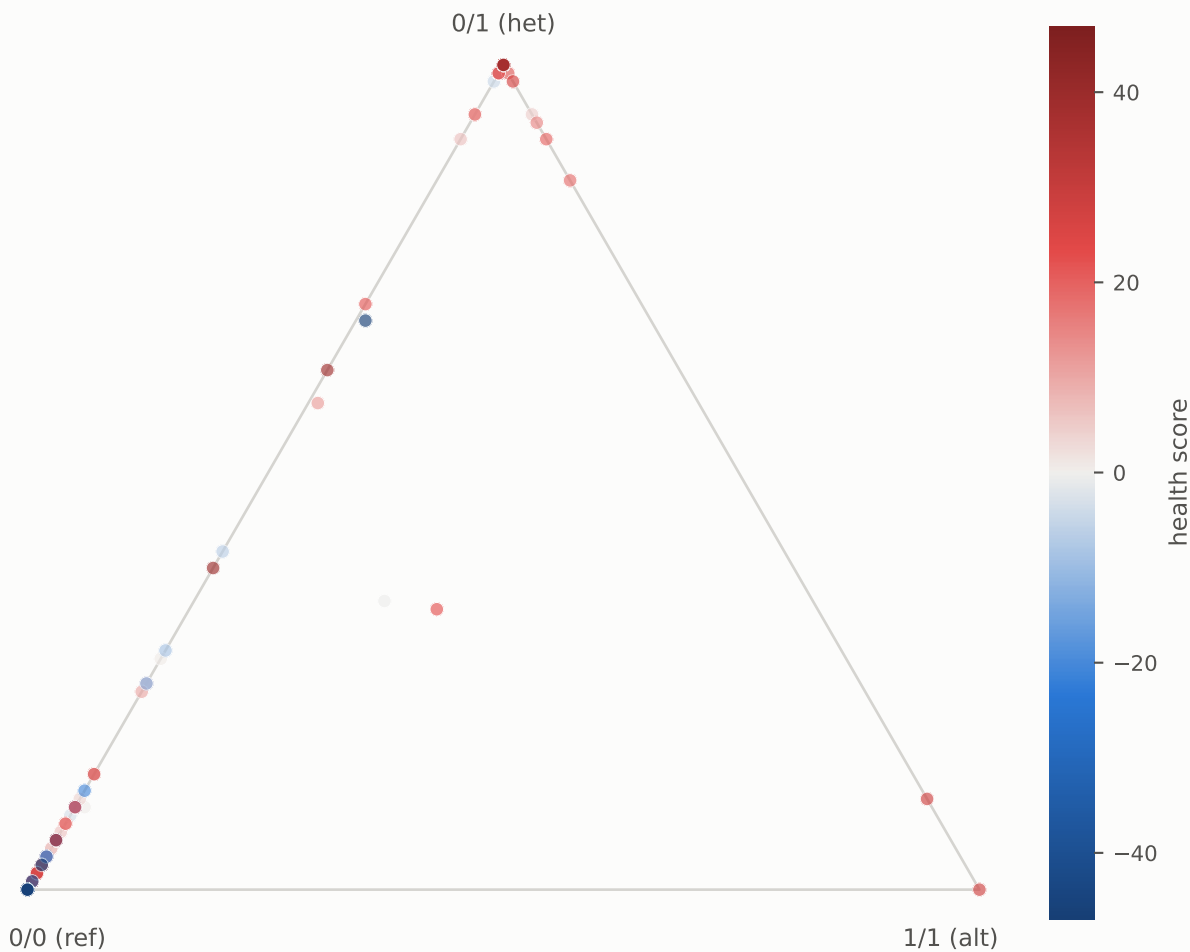
#134 by cluster health separation CHR_15:30,958,226 G>A
AF=0.049 DR2=0.95 r=-0.131 H=0.014 F=16.4



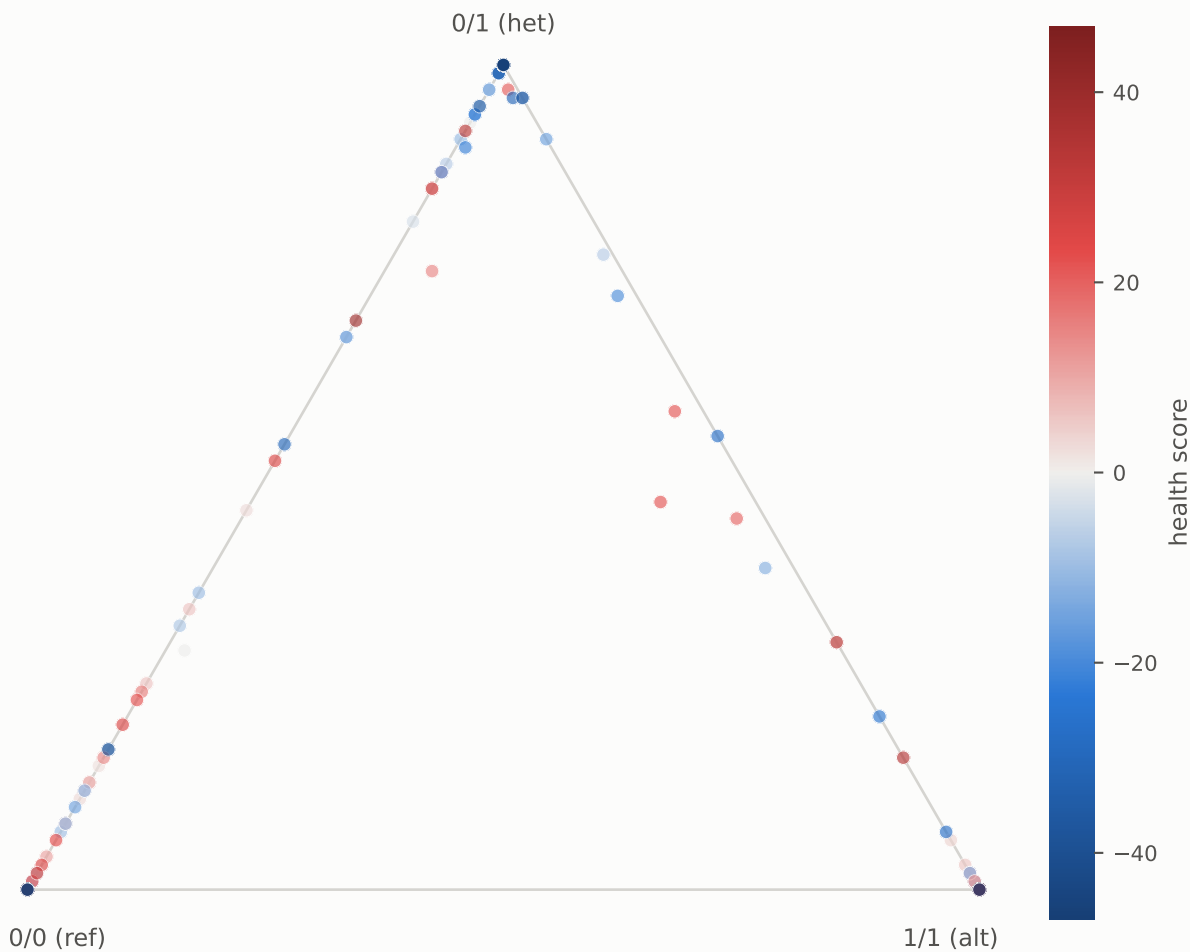
#135 by cluster health separation CHR_01:46,855,645 C>T
AF=0.052 DR2=0.95 r=+0.186 H=0.016 F=16.4



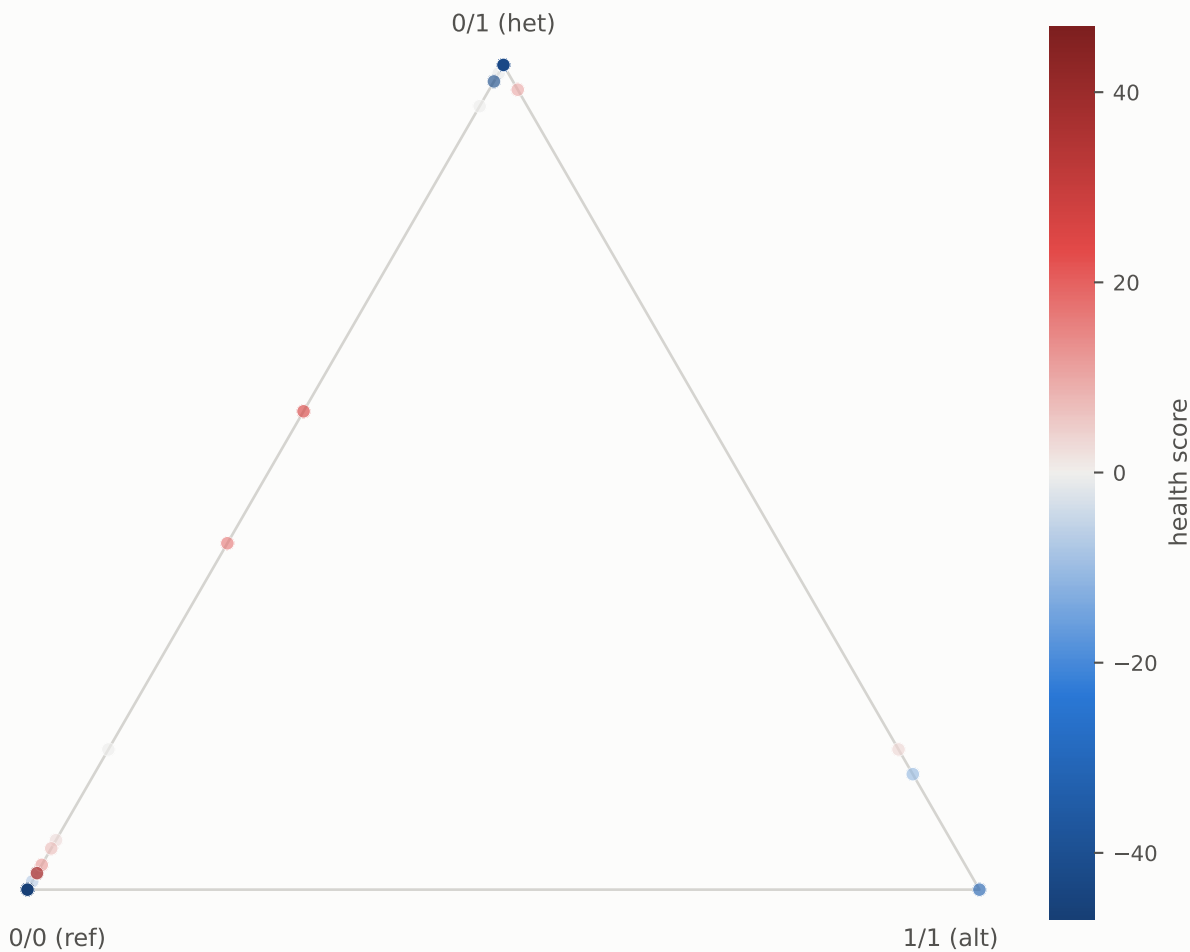
#136 by cluster health separation CHR_04:41,249,135 G>A
AF=0.058 DR2=0.84 r=+0.229 H=0.052 F=16.3



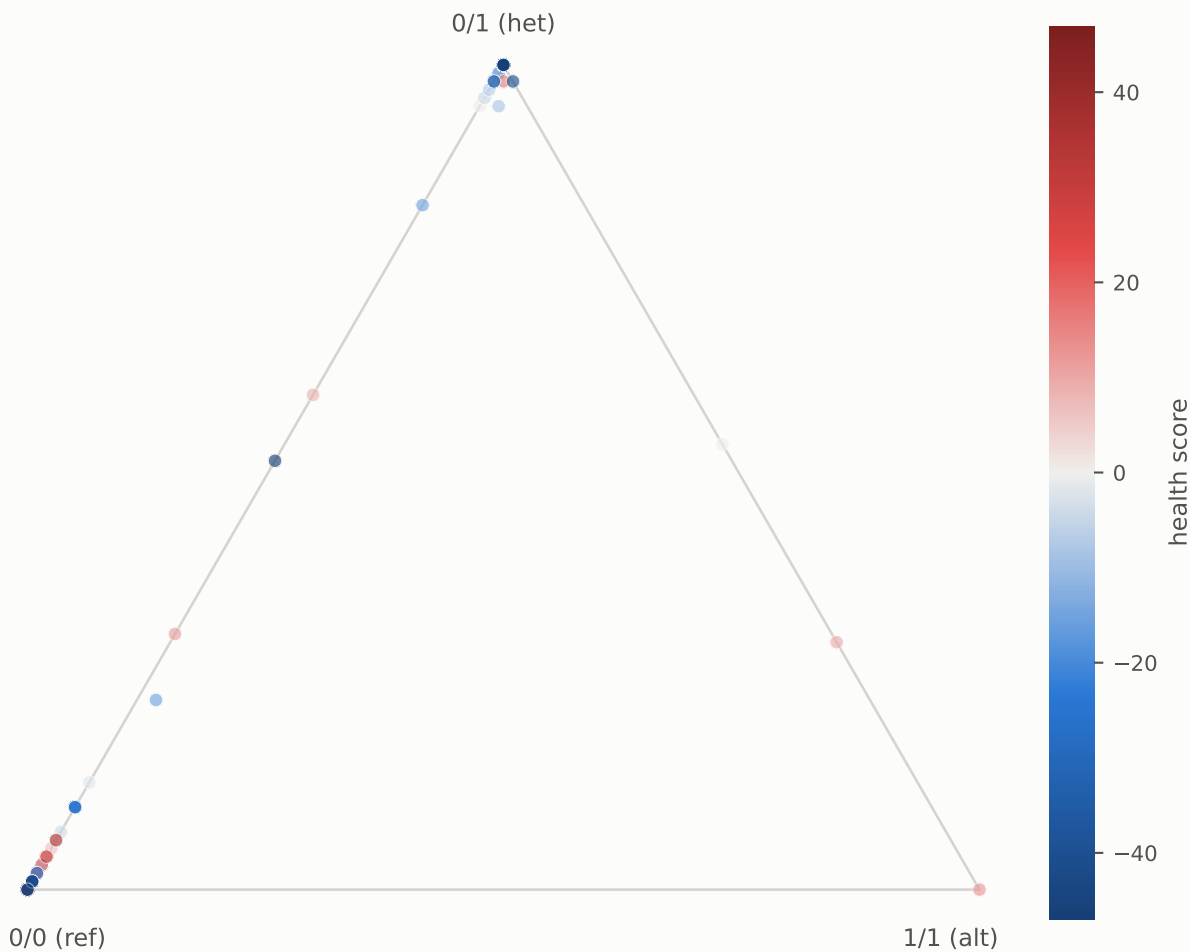
#137 by cluster health separation CHR_14:26,113,555 T>C
AF=0.44 DR2=0.96 r=-0.063 H=0.068 F=16.3



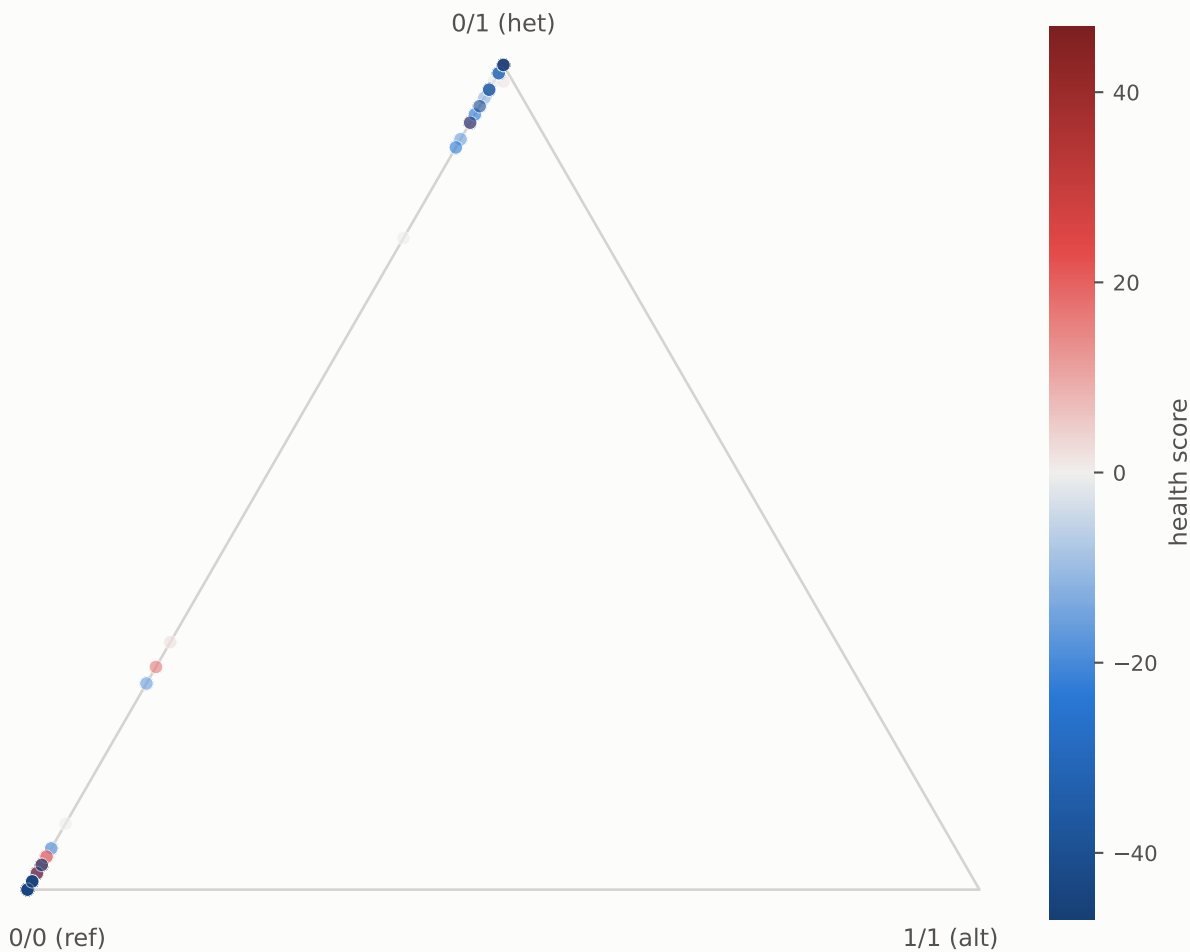
#138 by cluster health separation CHR_22:732,710 C>T
AF=0.053 DR2=0.97 r=-0.197 H=0.009 F=16.3



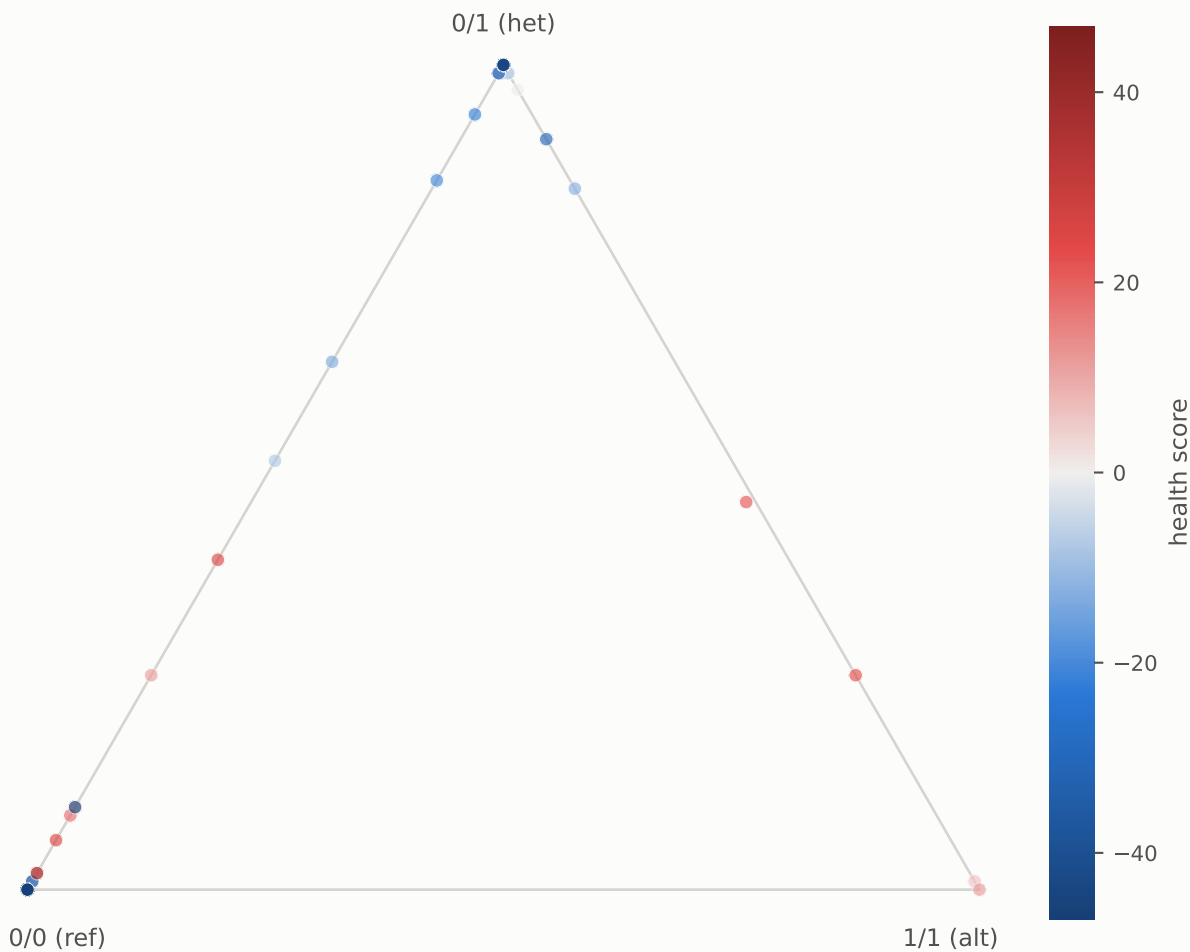
#139 by cluster health separation CHR_02:19,689,571 A>C
AF=0.068 DR2=0.94 r=-0.162 H=0.026 F=16.3



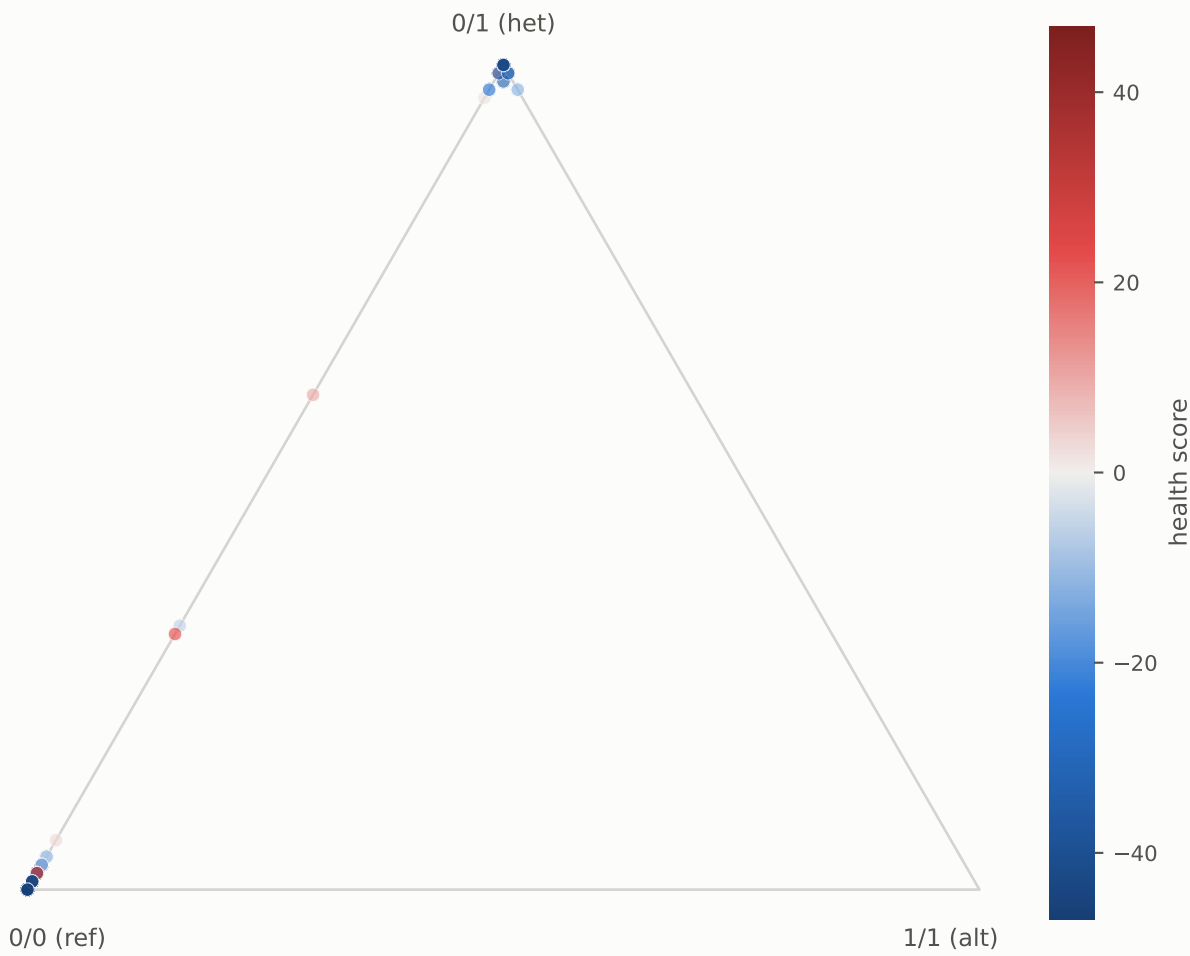
#140 by cluster health separation CHR_04:1,164,911 G>A
AF=0.03 DR2=0.86 r=-0.186 H=0.033 F=16.3



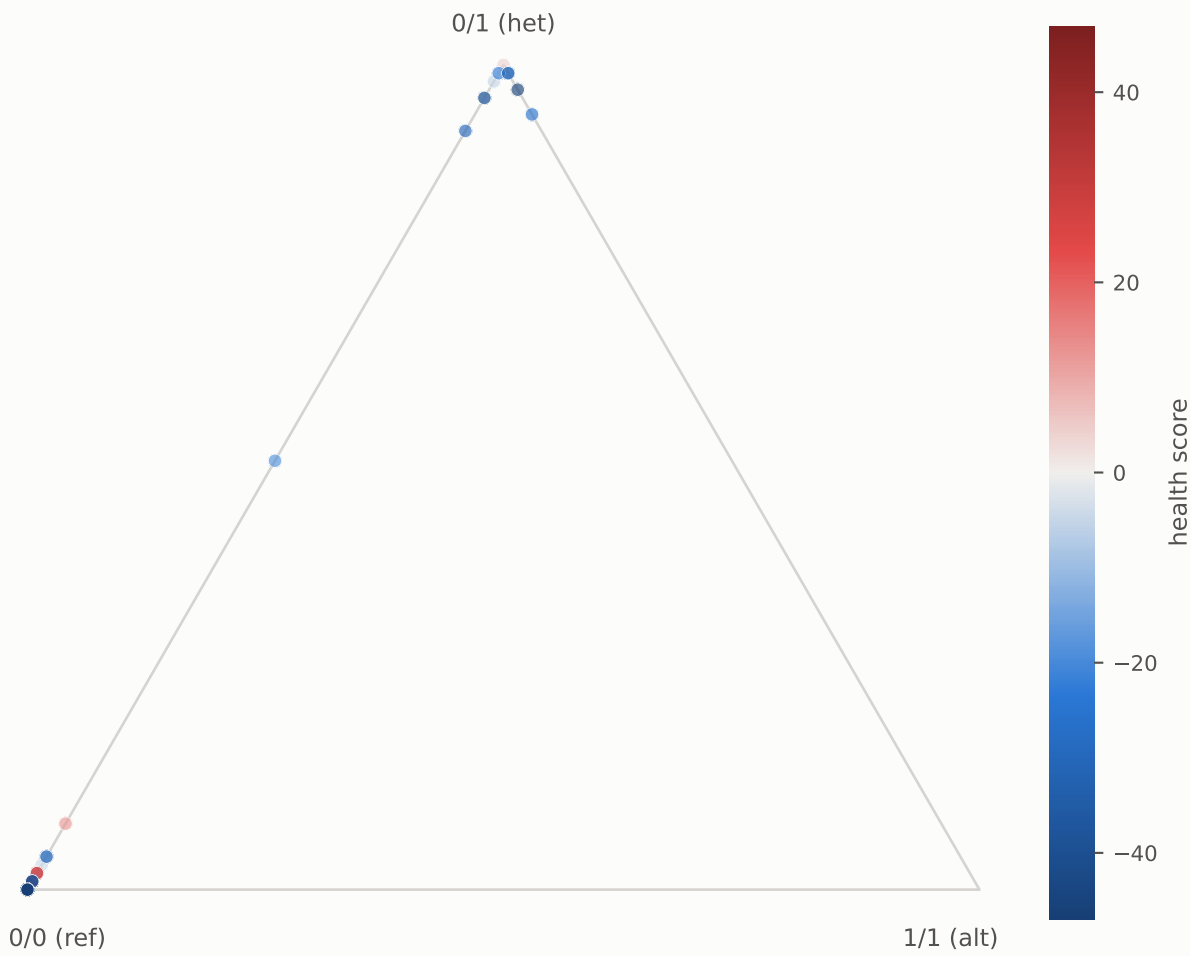
#141 by cluster health separation CHR_15:2,431,009 C>T
AF=0.048 DR2=0.95 r=-0.115 H=0.016 F=16.3



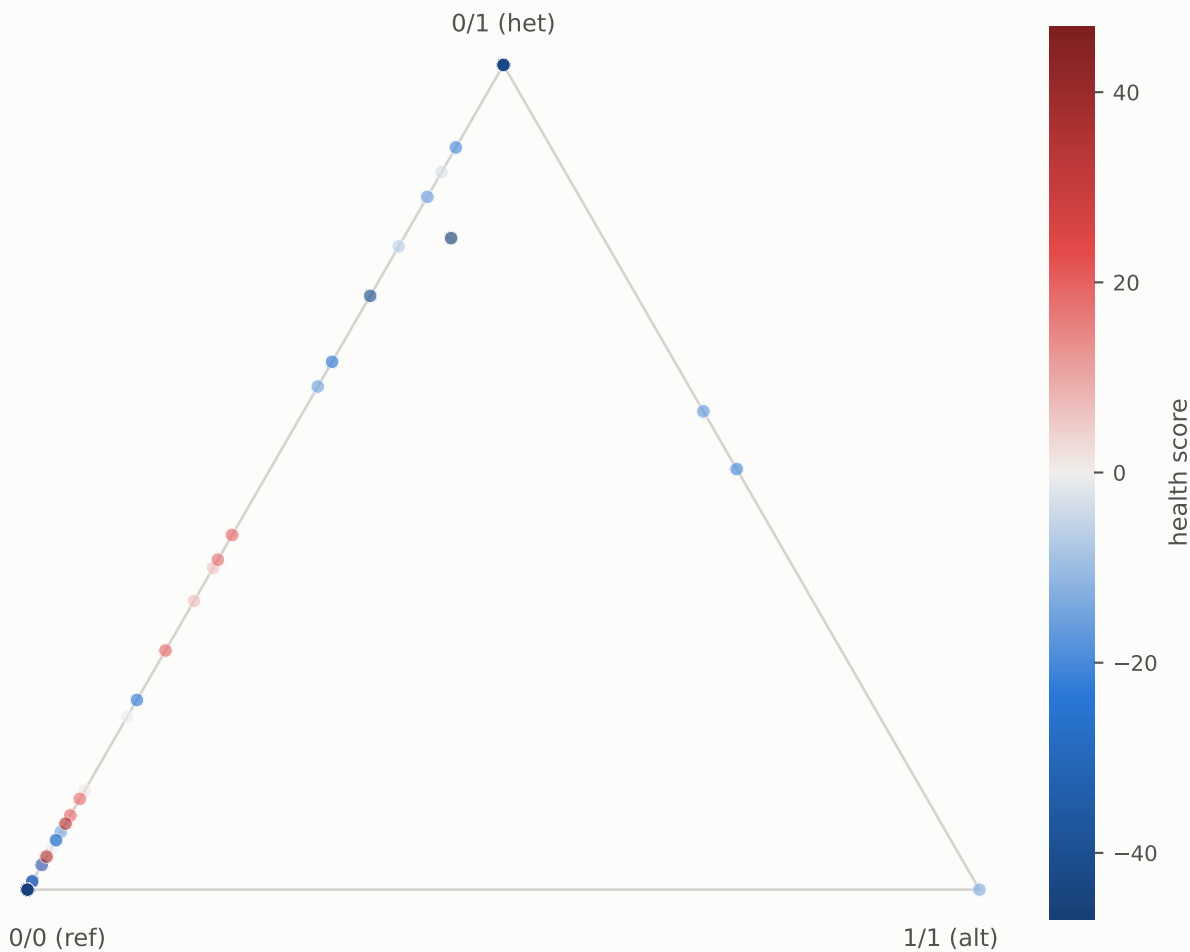
#142 by cluster health separation CHR_05:7,974,218 G>A
AF=0.02 DR2=0.85 r=-0.188 H=0.023 F=16.3



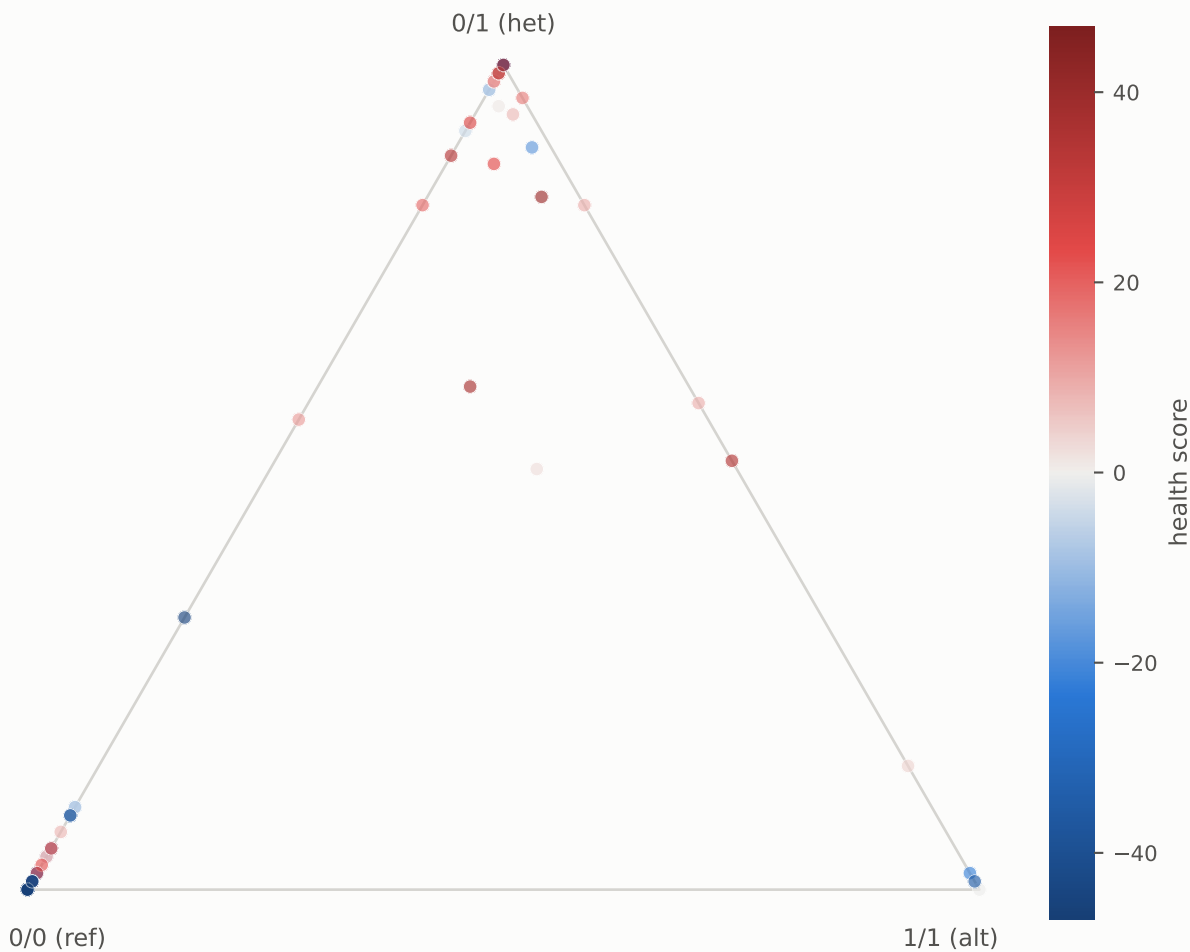
#143 by cluster health separation CHR_03:5,920,395 G>A
AF=0.01 DR2=0.88 $r=-0.187$ $H=0.011$ $F=16.3$



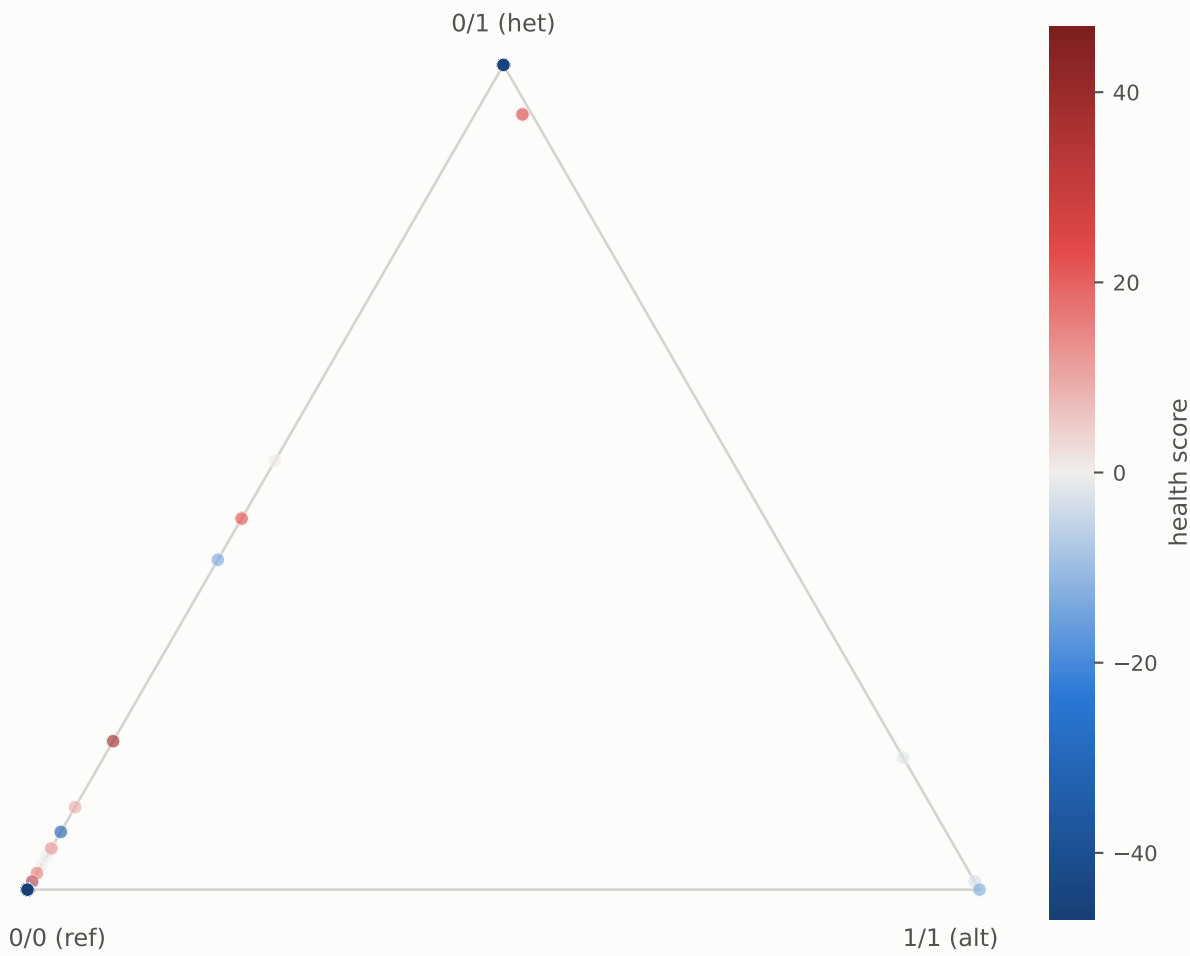
#144 by cluster health separation CHR_01:45,685,706 C>T
AF=0.067 DR2=0.91 r=-0.173 H=0.030 F=16.3



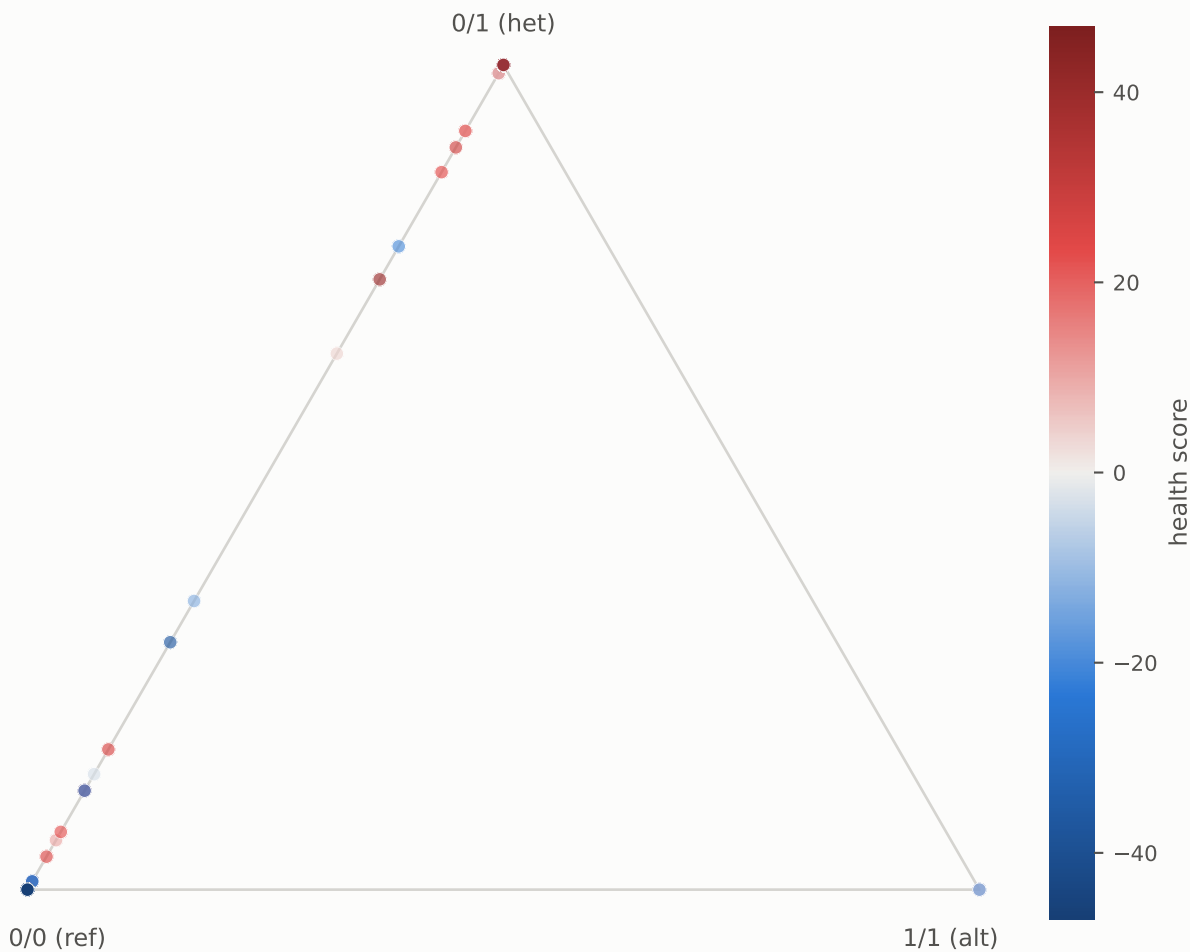
#145 by cluster health separation CHR_17:24,039,322 A>G
AF=0.067 DR2=0.92 r=+0.123 H=0.032 F=16.3



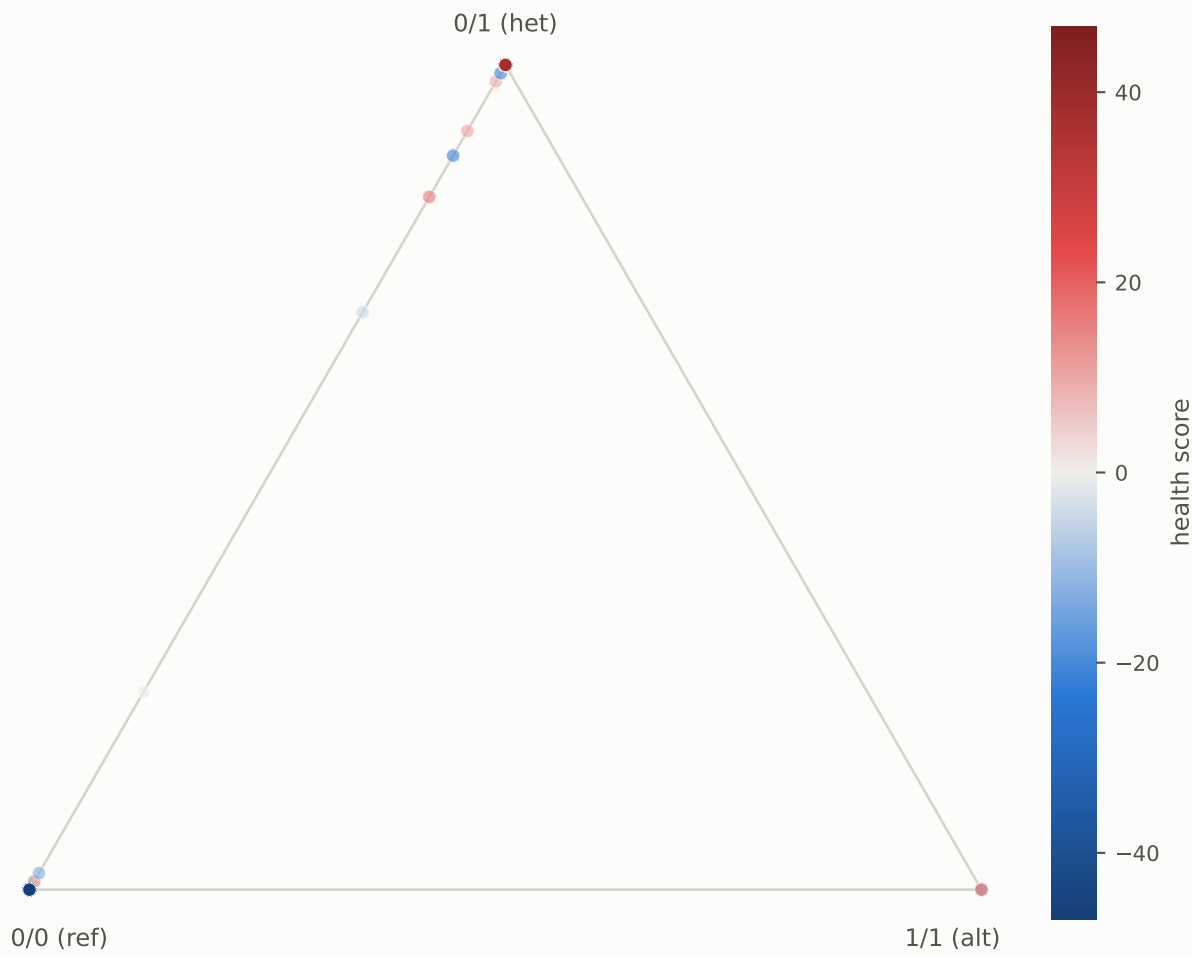
#146 by cluster health separation CHR_17:3,139,582 A>G
AF=0.088 DR2=0.98 r=-0.181 H=0.011 F=16.2



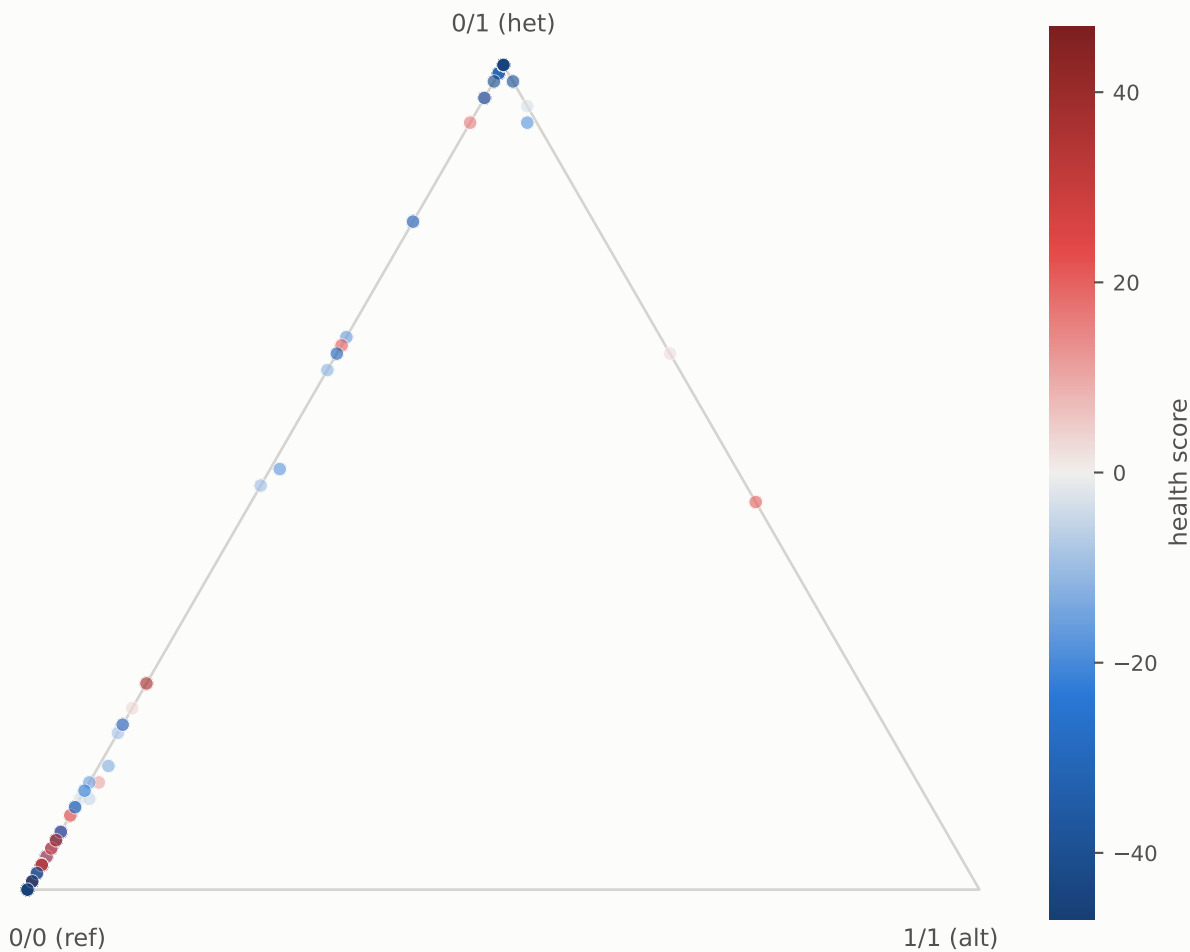
#147 by cluster health separation CHR_07:24,666,070 C>A
AF=0.087 DR2=0.97 $r=+0.166$ $H=0.015$ $F=16.2$



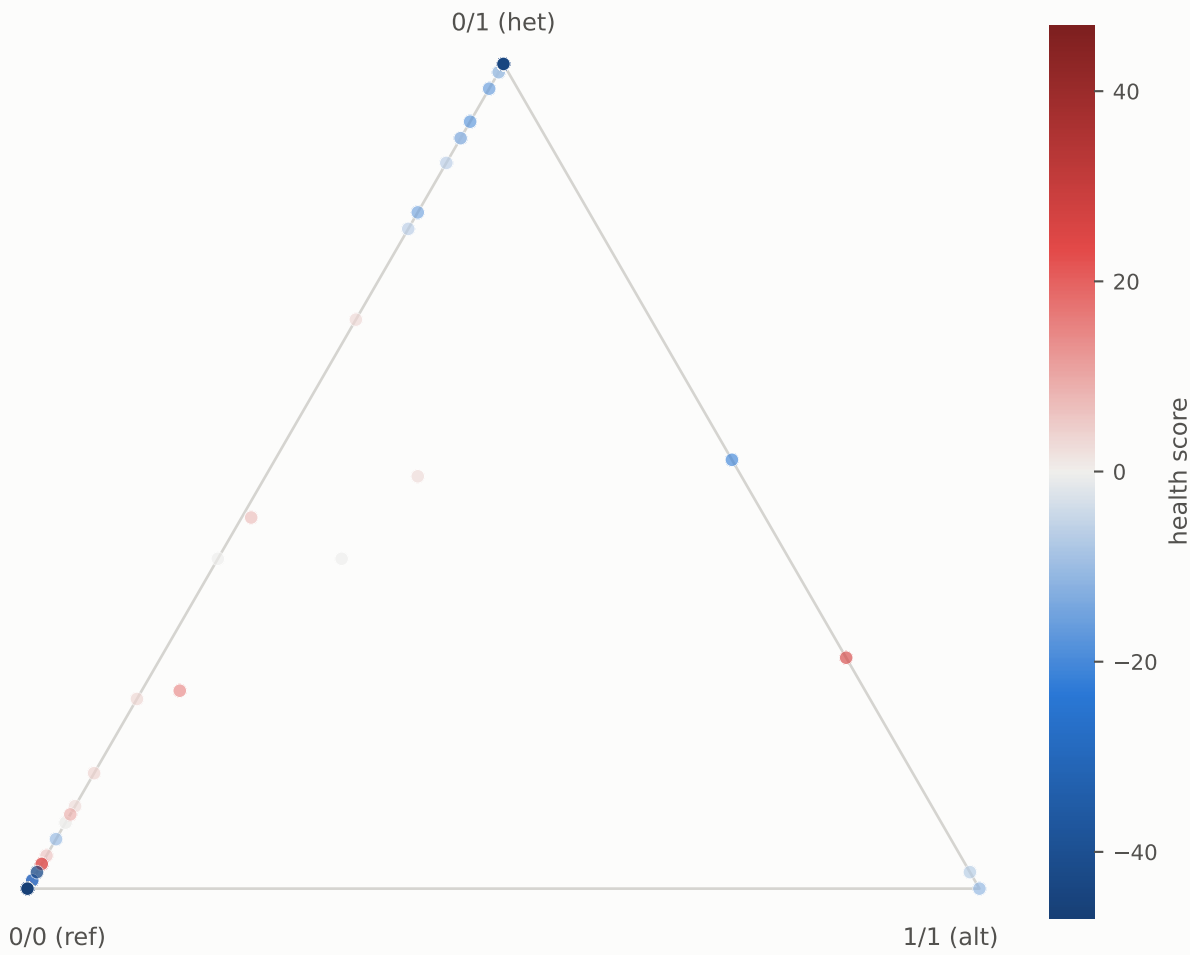
#148 by cluster health separation CHR_08:29,366,759 A>G
AF=0.059 DR2=0.98 r=+0.174 H=0.006 F=16.2



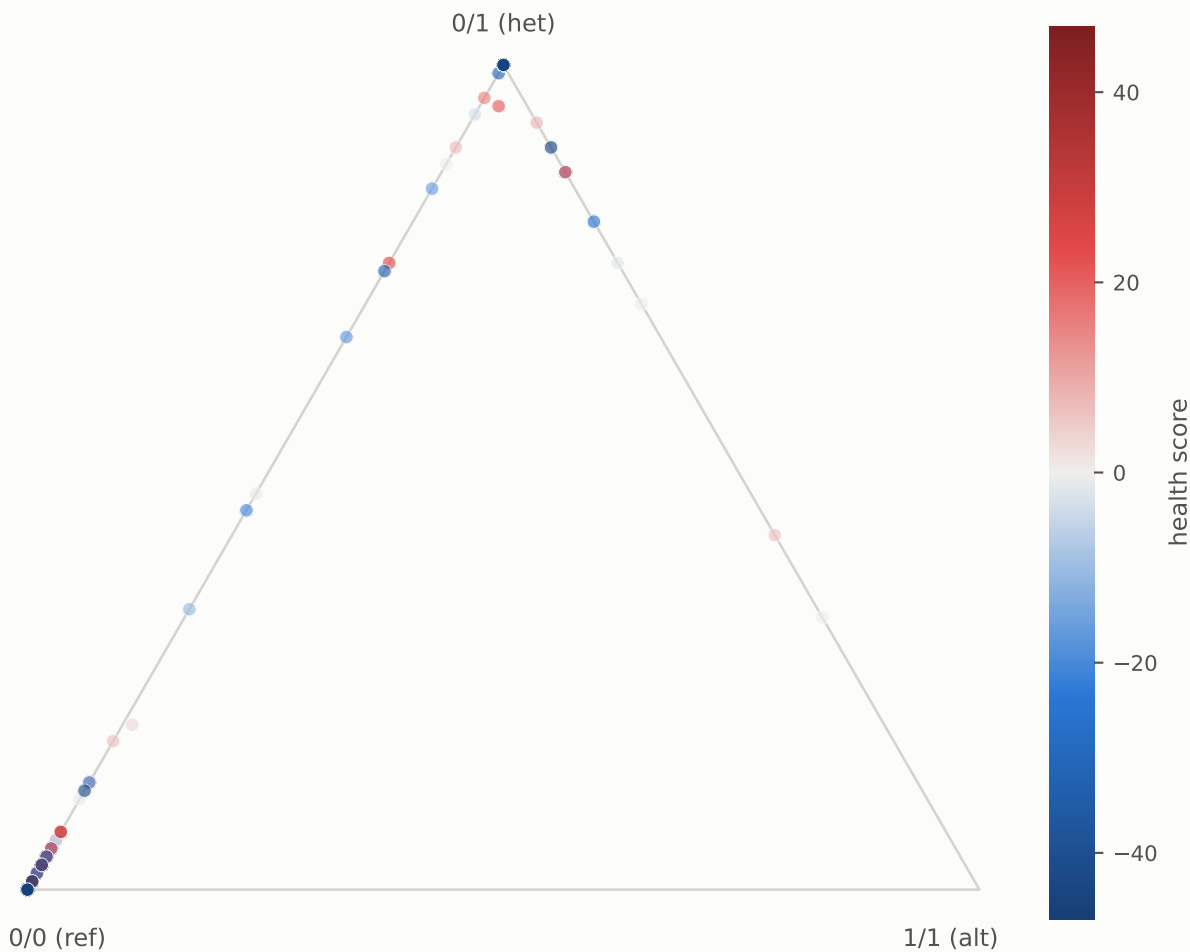
#149 by cluster health separation CHR_14:26,409,241 T>C
AF=0.088 DR2=0.9 r=-0.170 H=0.058 F=16.2



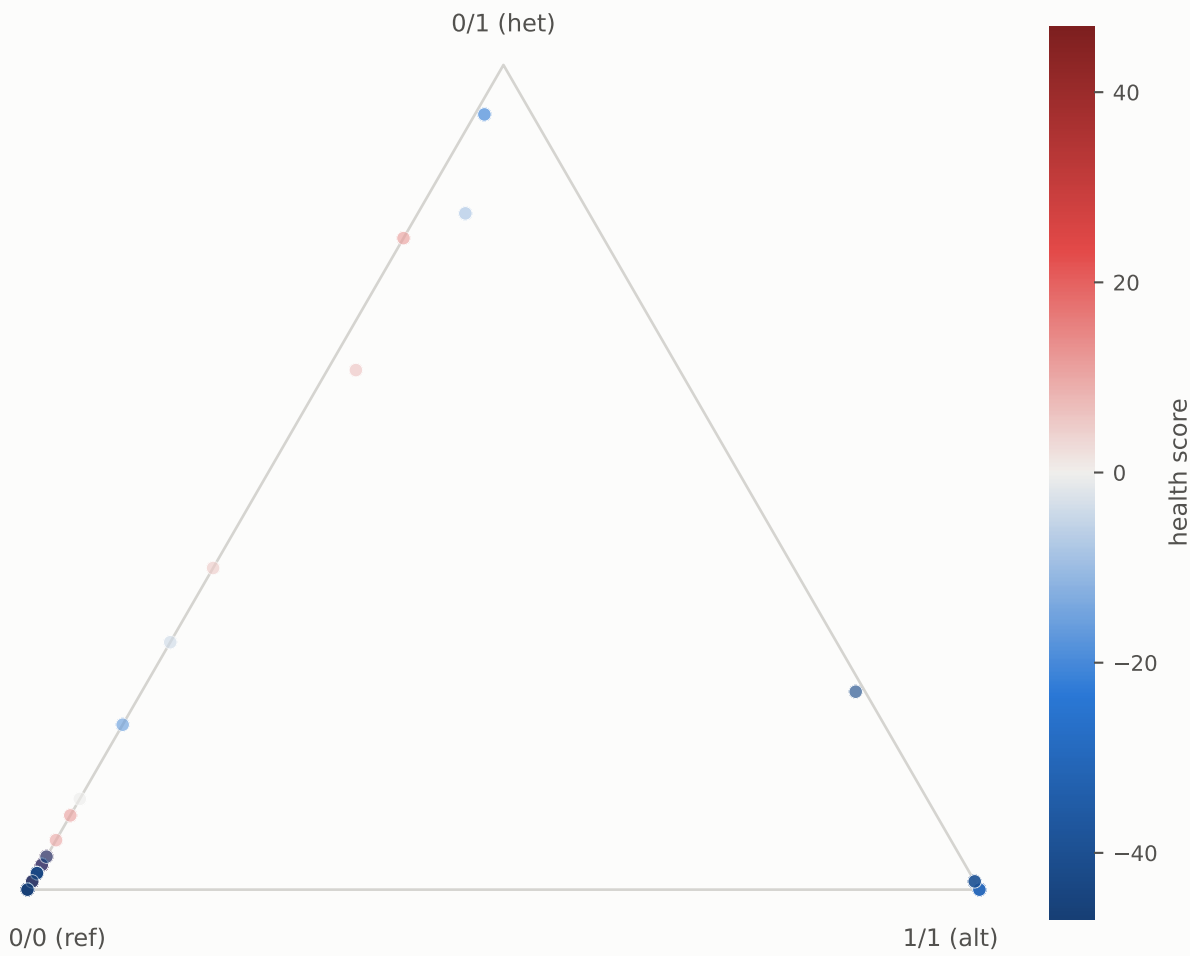
#150 by cluster health separation CHR_15:18,524,860 A>C
AF=0.047 DR2=0.91 r=-0.159 H=0.026 F=16.2



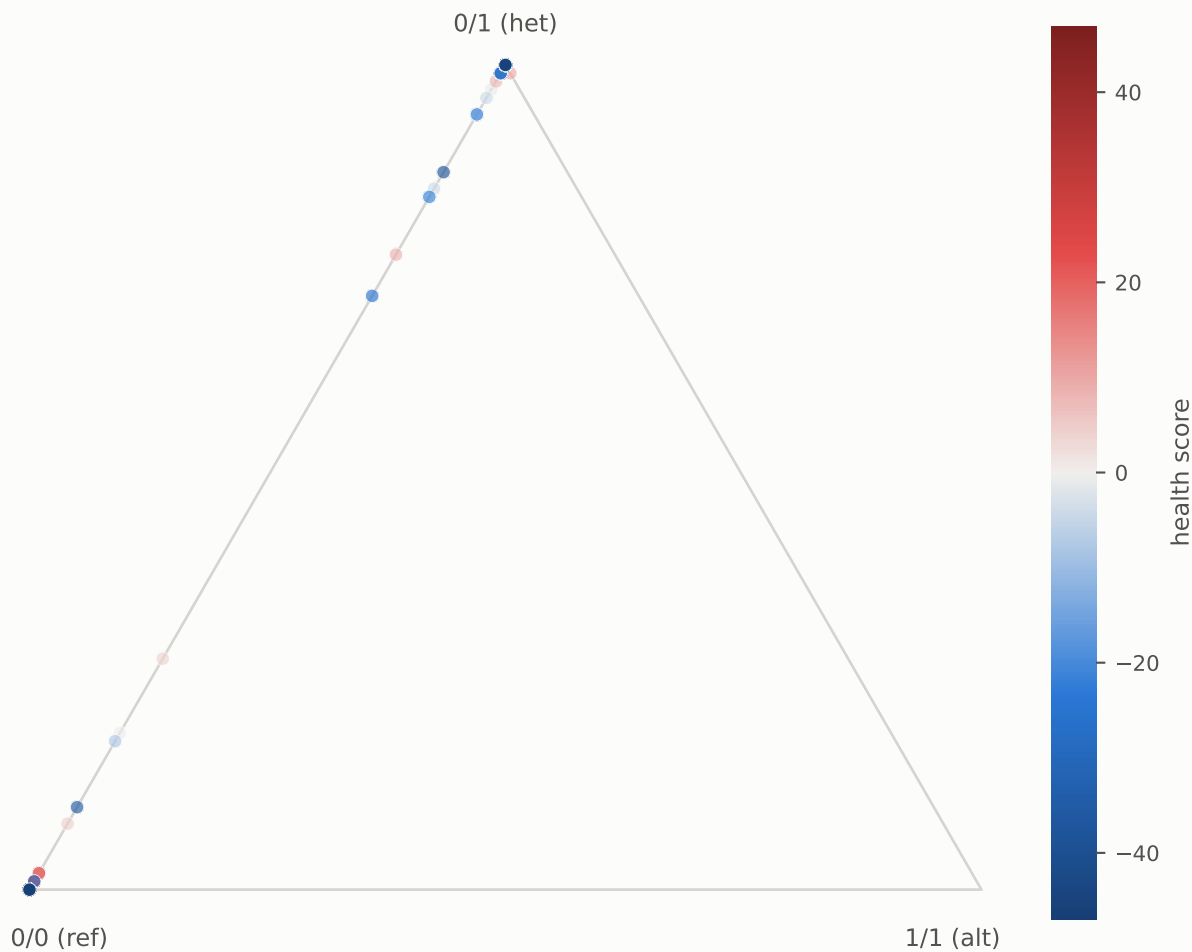
#151 by cluster health separation CHR_20:3,908,858 C>T
AF=0.075 DR2=0.89 r=-0.179 H=0.051 F=16.2



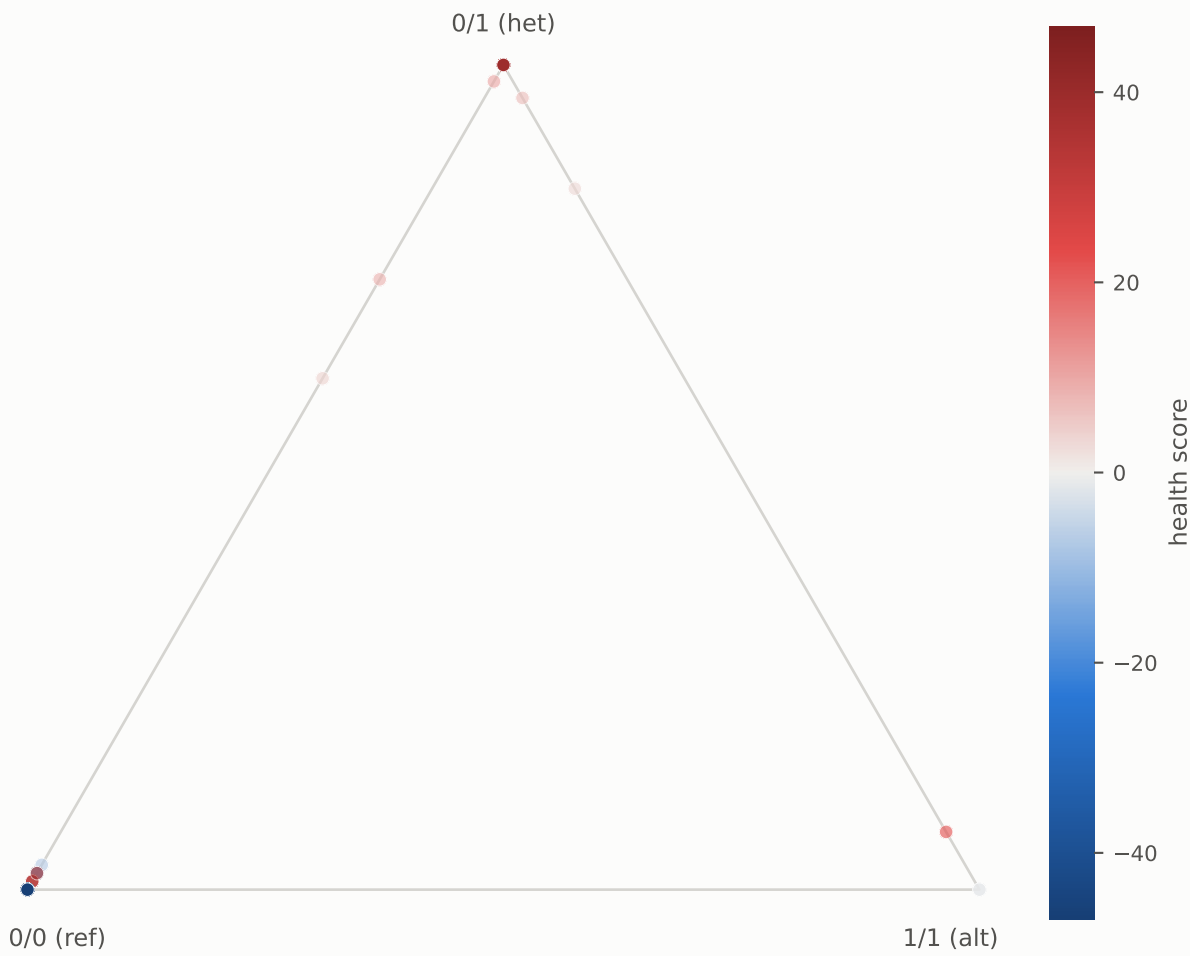
#152 by cluster health separation CHR_05:31,942,189 G>A
AF=0.021 DR2=0.85 r=-0.185 H=0.041 F=16.1



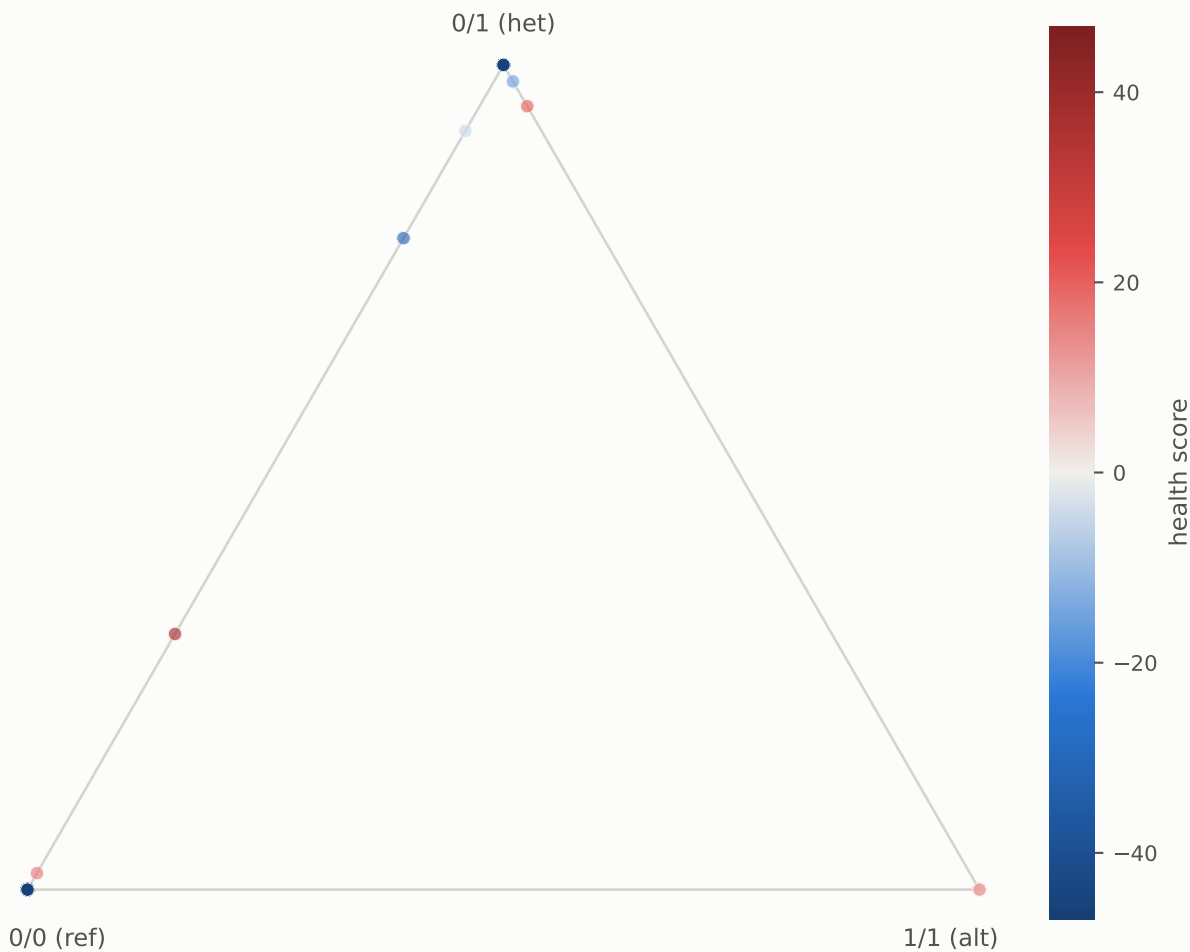
#153 by cluster health separation unpi-scaff_063:7,709 G>A
AF=0.055 DR2=0.95 r=-0.184 H=0.015 F=16.1



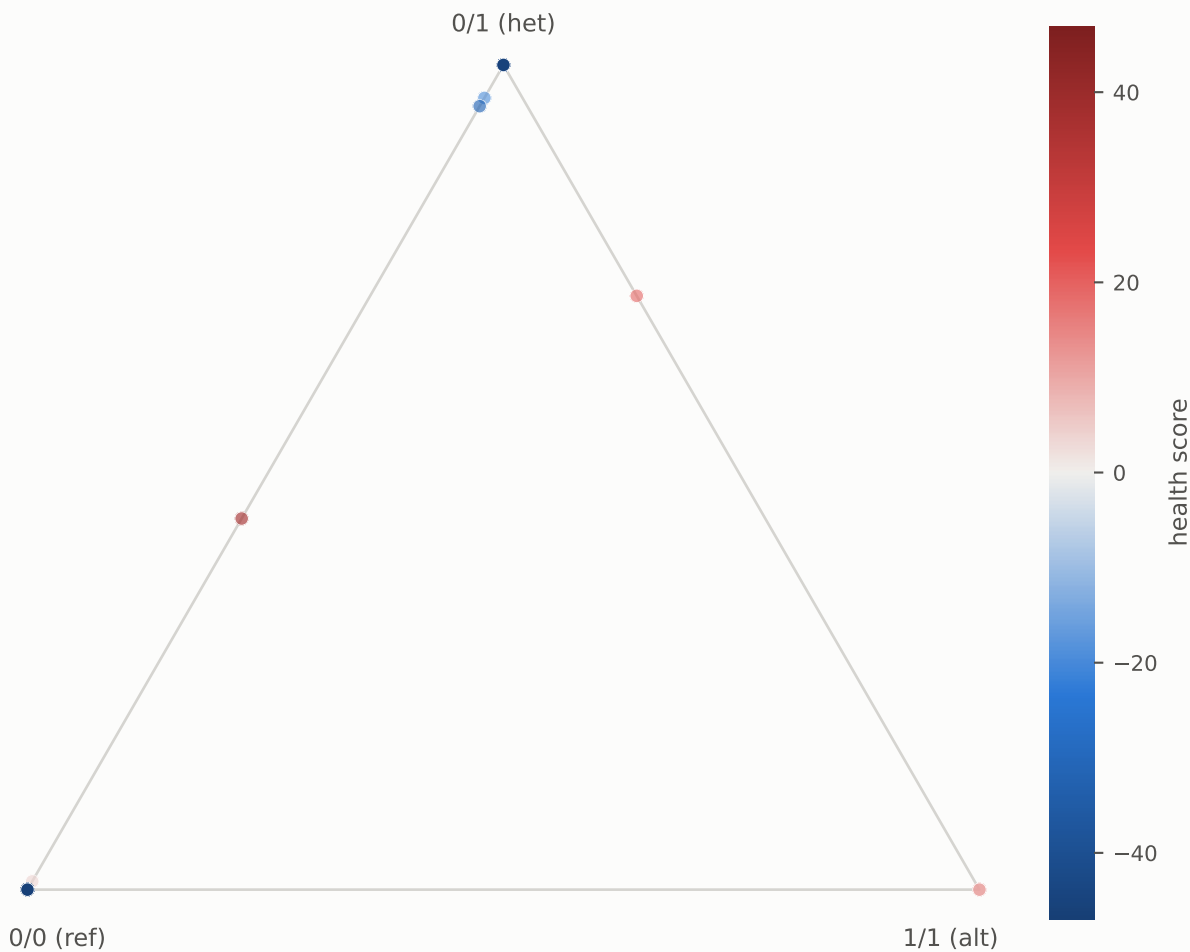
#154 by cluster health separation CHR_19:4,413,429 G>A
AF=0.062 DR2=0.98 r=+0.180 H=0.007 F=16.1



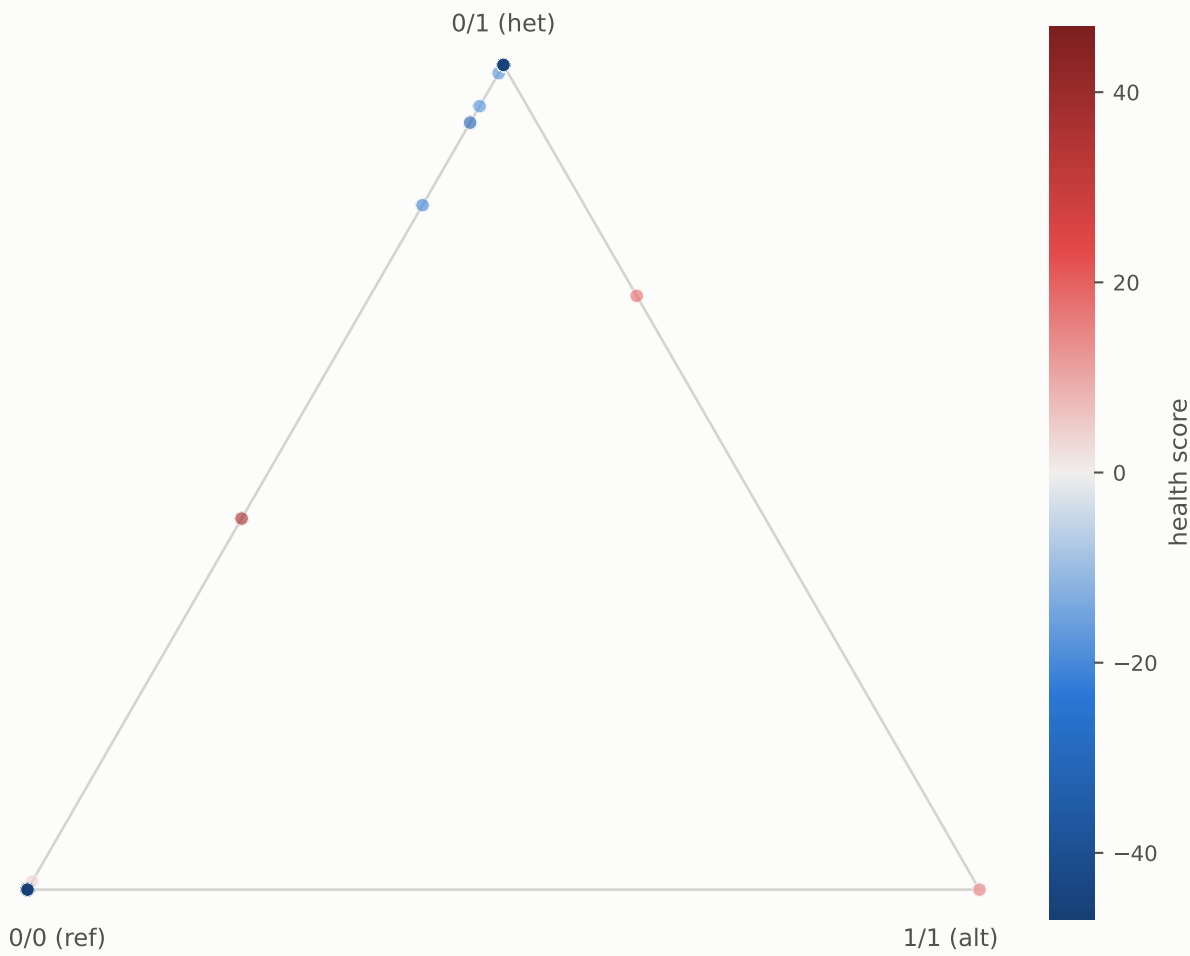
#155 by cluster health separation CHR_05:32,570,278 G>A
AF=0.054 DR2=0.99 r=-0.155 H=0.004 F=16.1



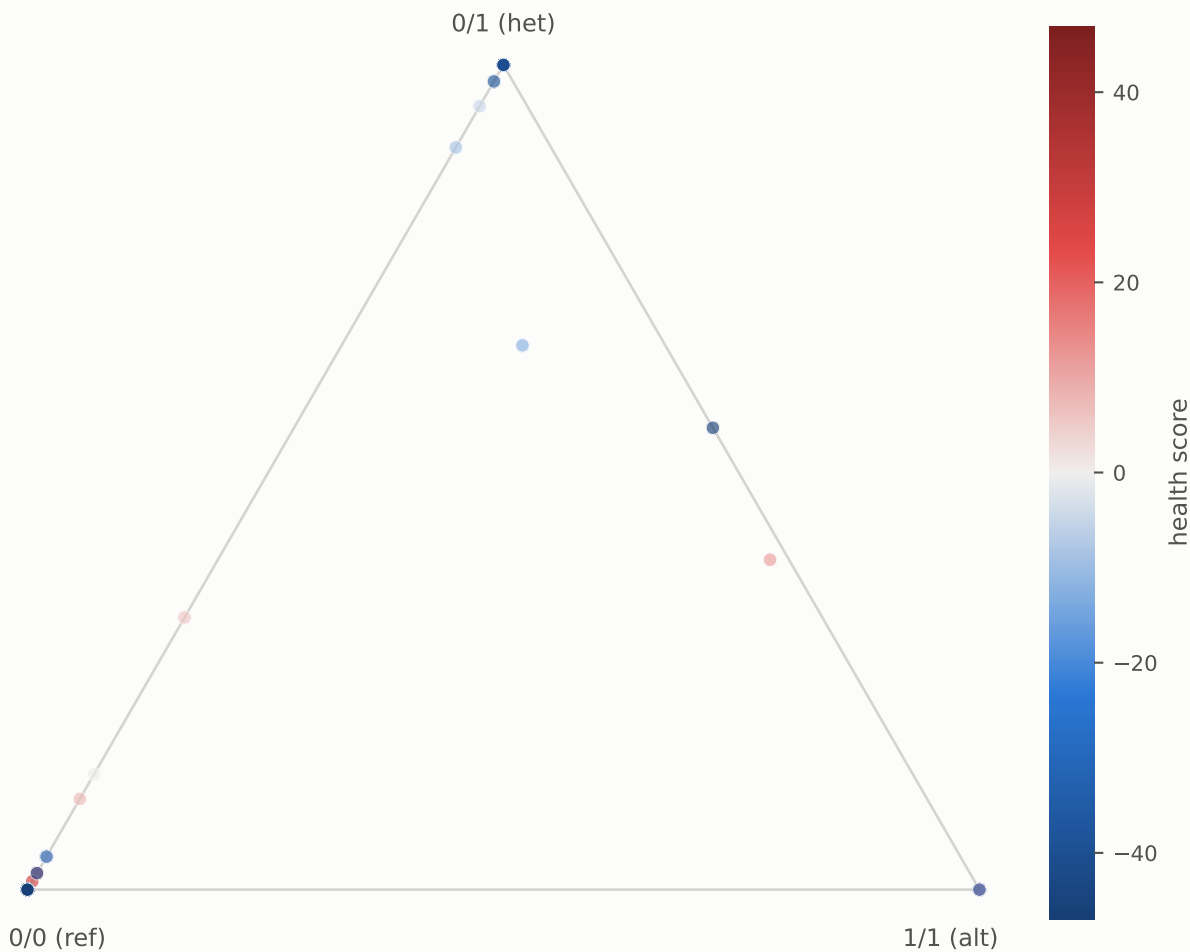
#156 by cluster health separation CHR_05:32,561,005 T>C
AF=0.055 DR2=0.99 r=-0.152 H=0.004 F=16.1



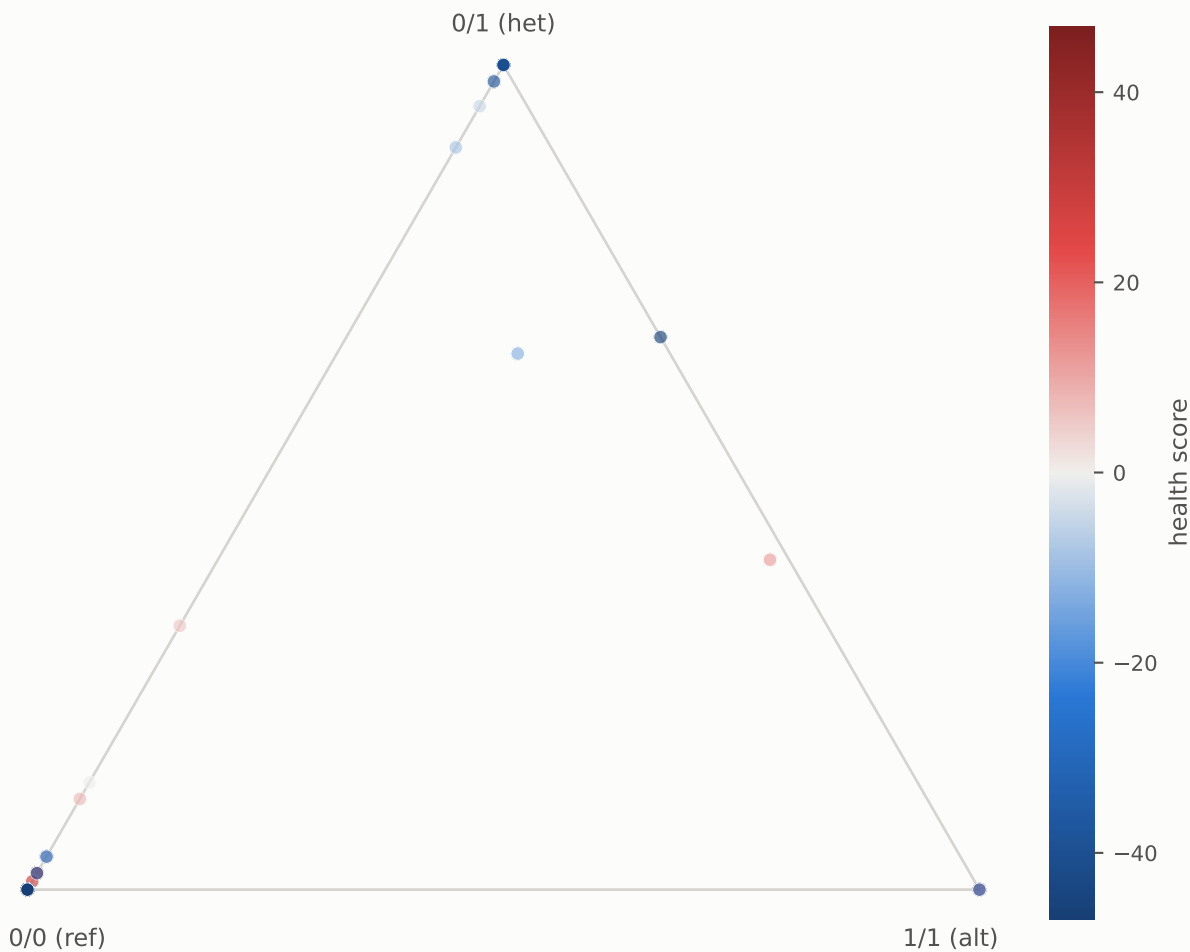
#157 by cluster health separation CHR_05:32,561,172 C>T
AF=0.054 DR2=0.99 r=-0.151 H=0.005 F=16.1



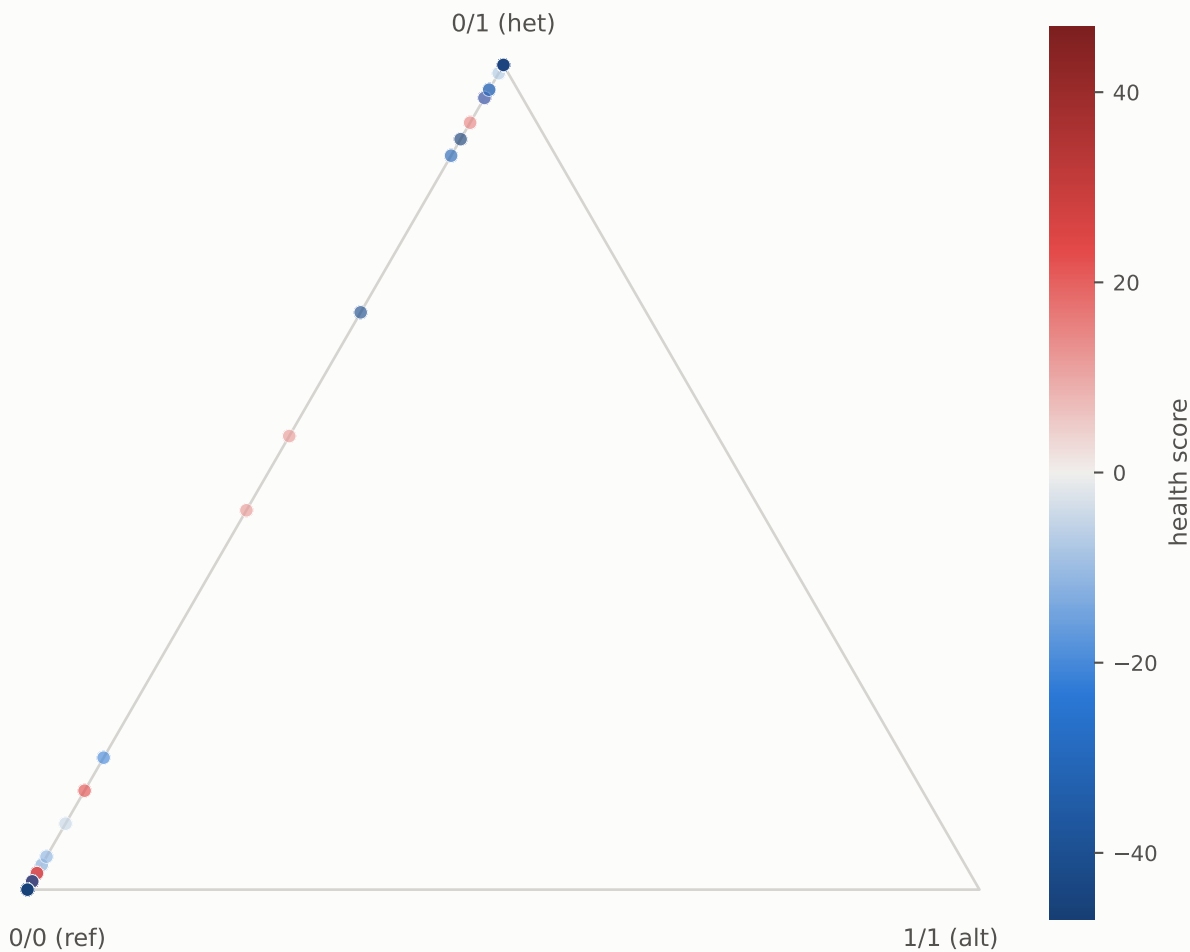
#158 by cluster health separation CHR_18:5,405,154 T>G
AF=0.058 DR2=0.95 r=-0.173 H=0.011 F=16.1



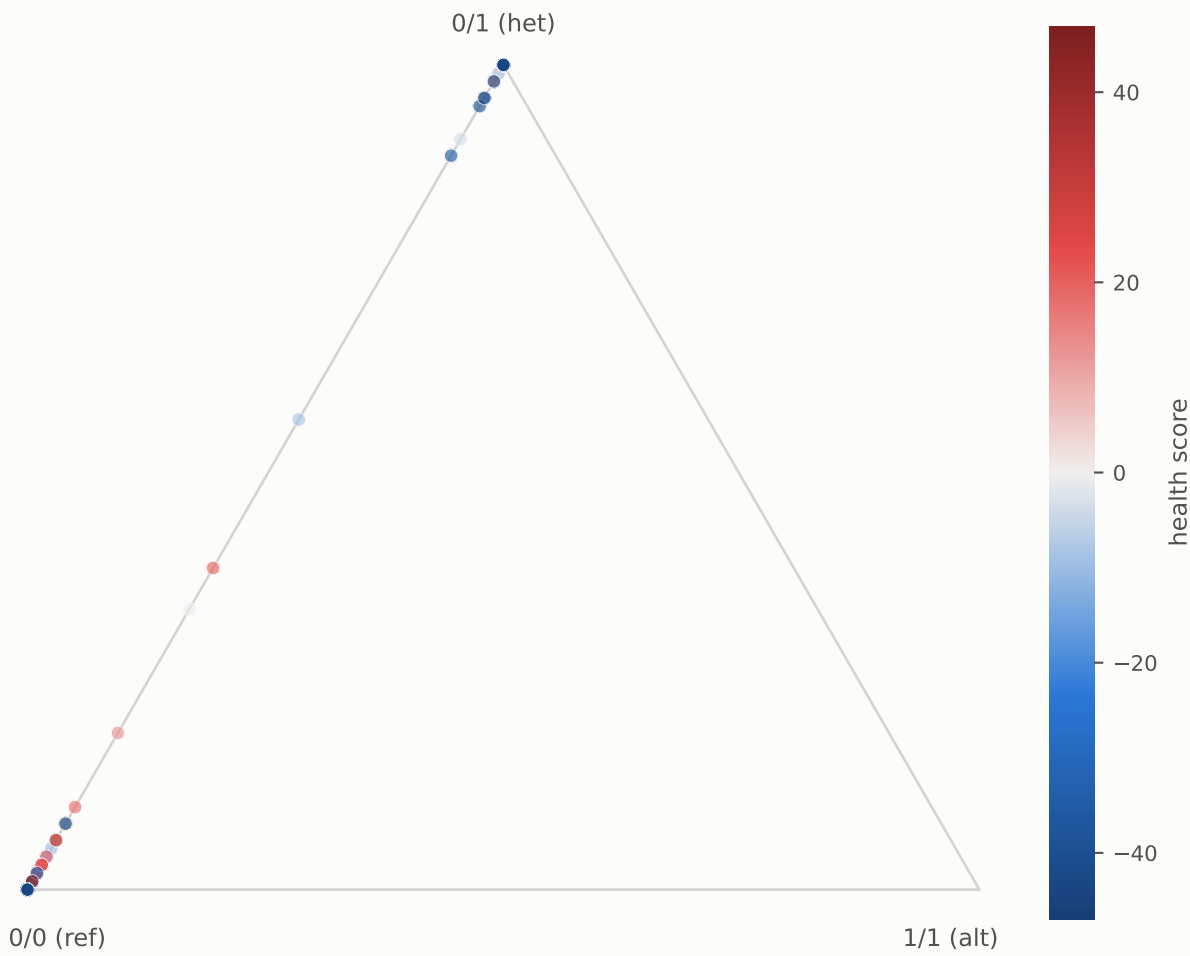
#159 by cluster health separation CHR_18:5,405,168 T>A
AF=0.057 DR2=0.95 r=-0.171 H=0.011 F=16.1



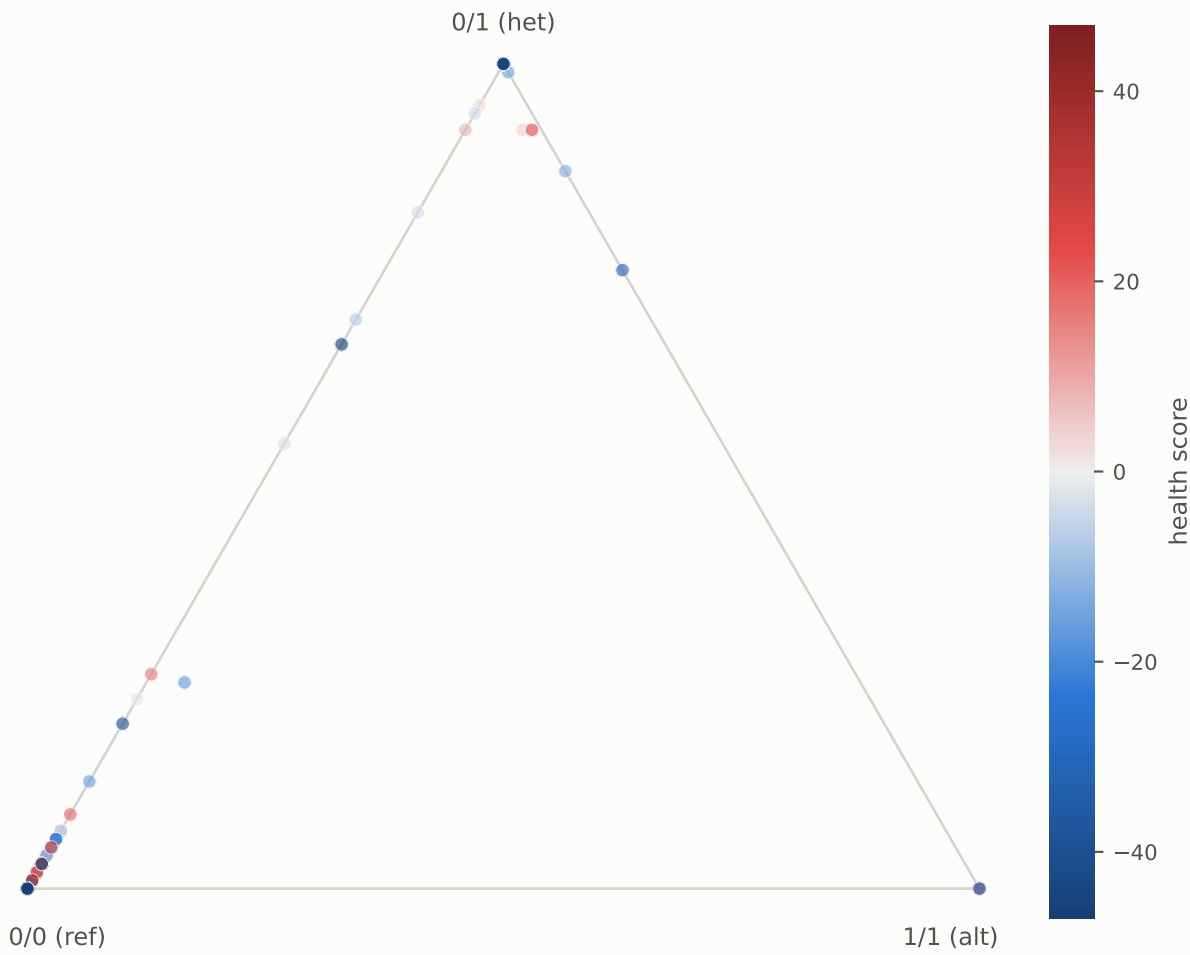
#160 by cluster health separation unpl-scaff_003:131,235 C>T
AF=0.034 DR2=0.92 r=-0.182 H=0.017 F=16.1



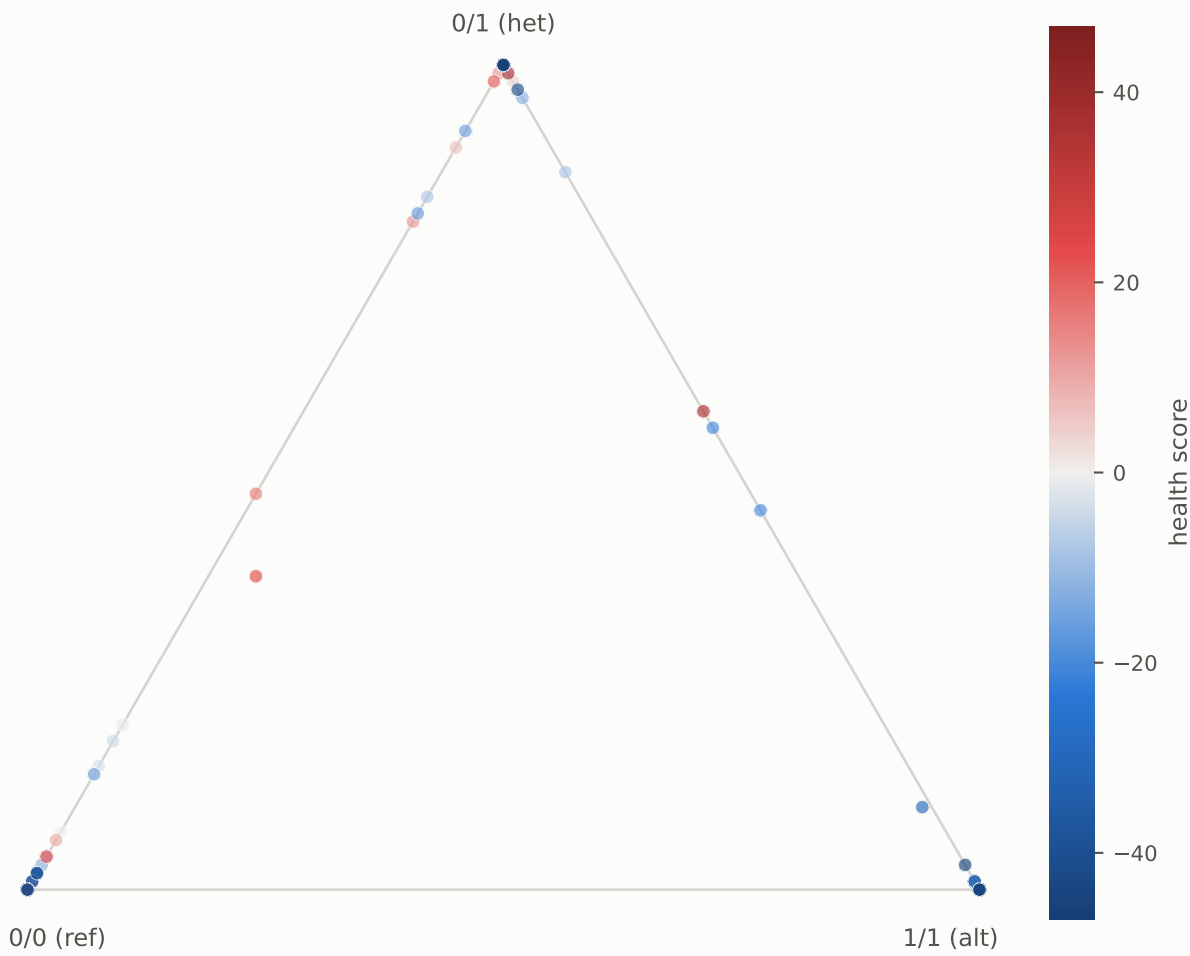
#161 by cluster health separation CHR_01:17,252,867 T>C
AF=0.053 DR2=0.92 r=-0.178 H=0.019 F=16.1



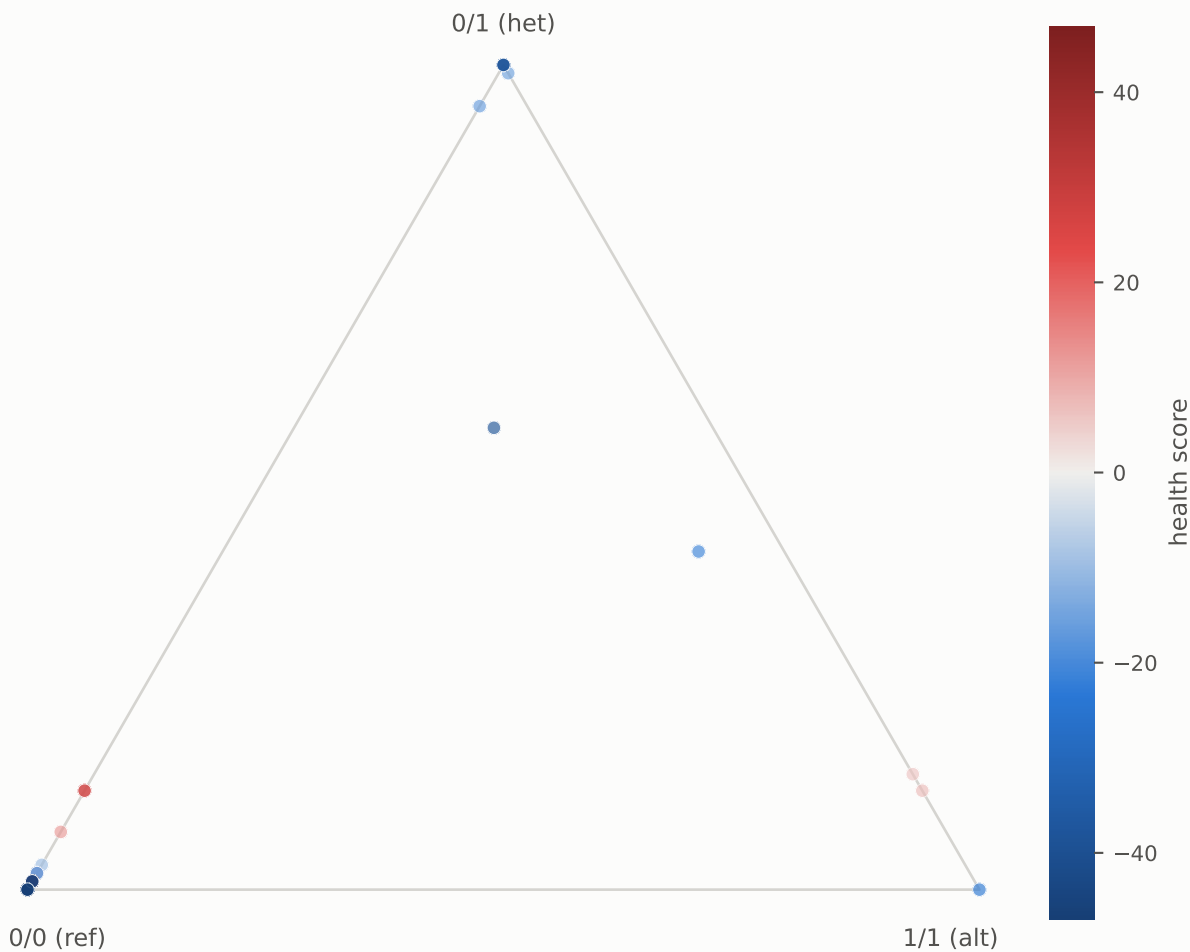
#162 by cluster health separation CHR_11:23,392,288 T>A
AF=0.053 DR2=0.94 r=-0.186 H=0.027 F=16.0



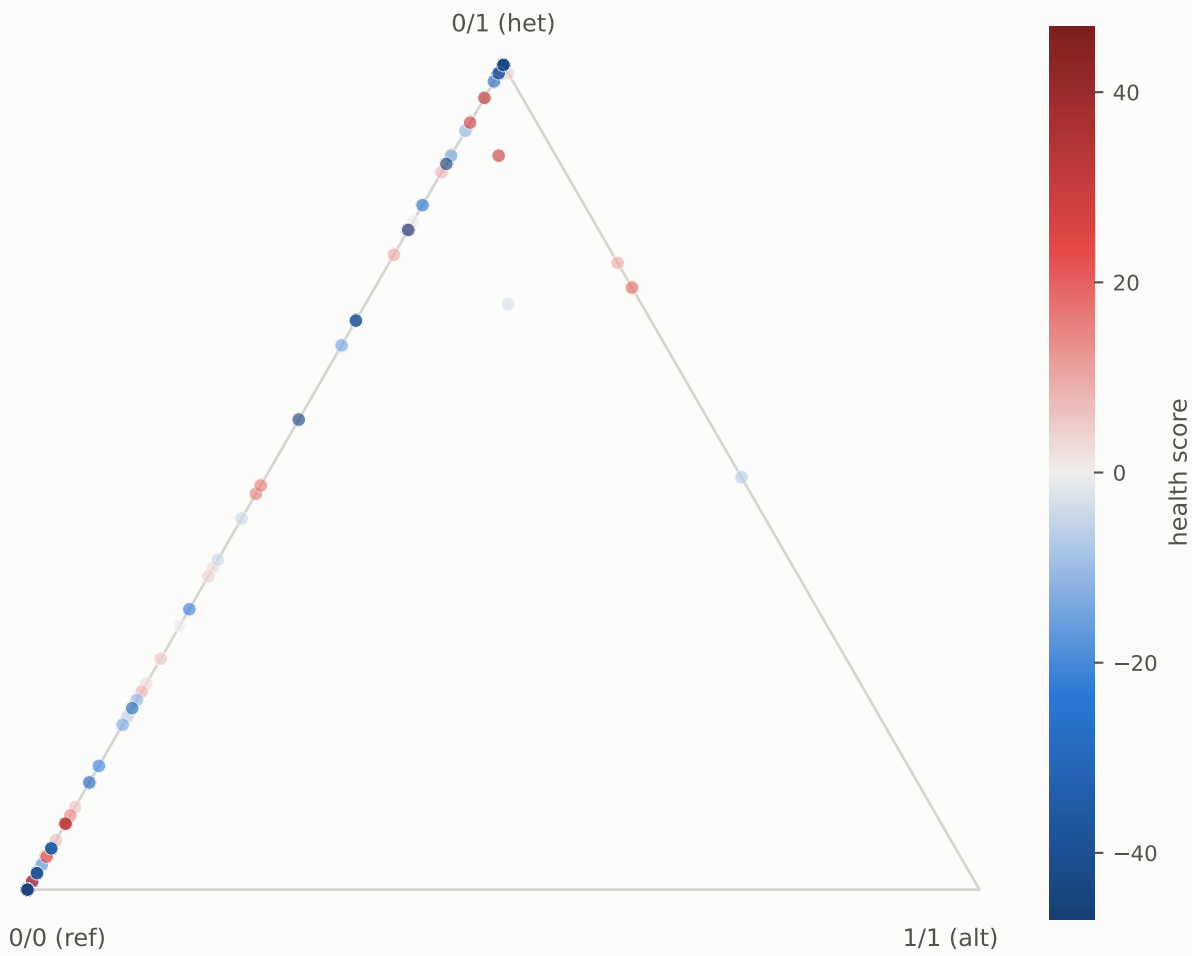
#163 by cluster health separation CHR_05:29,914,341 G>A
AF=0.15 DR2=0.97 r=-0.224 H=0.027 F=16.0



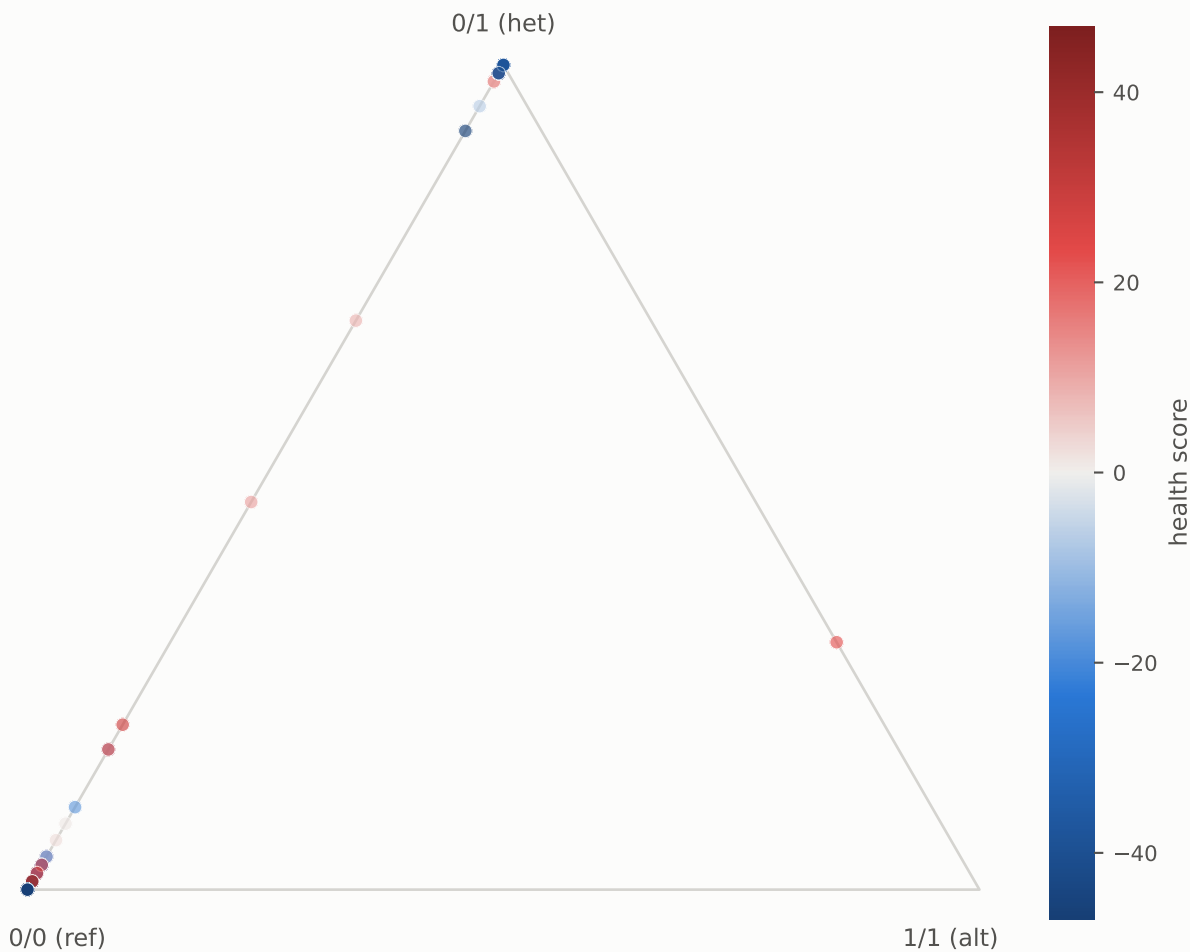
#164 by cluster health separation CHR_18:4,574,855 A>C
AF=0.021 DR2=0.91 r=-0.134 H=0.014 F=16.0



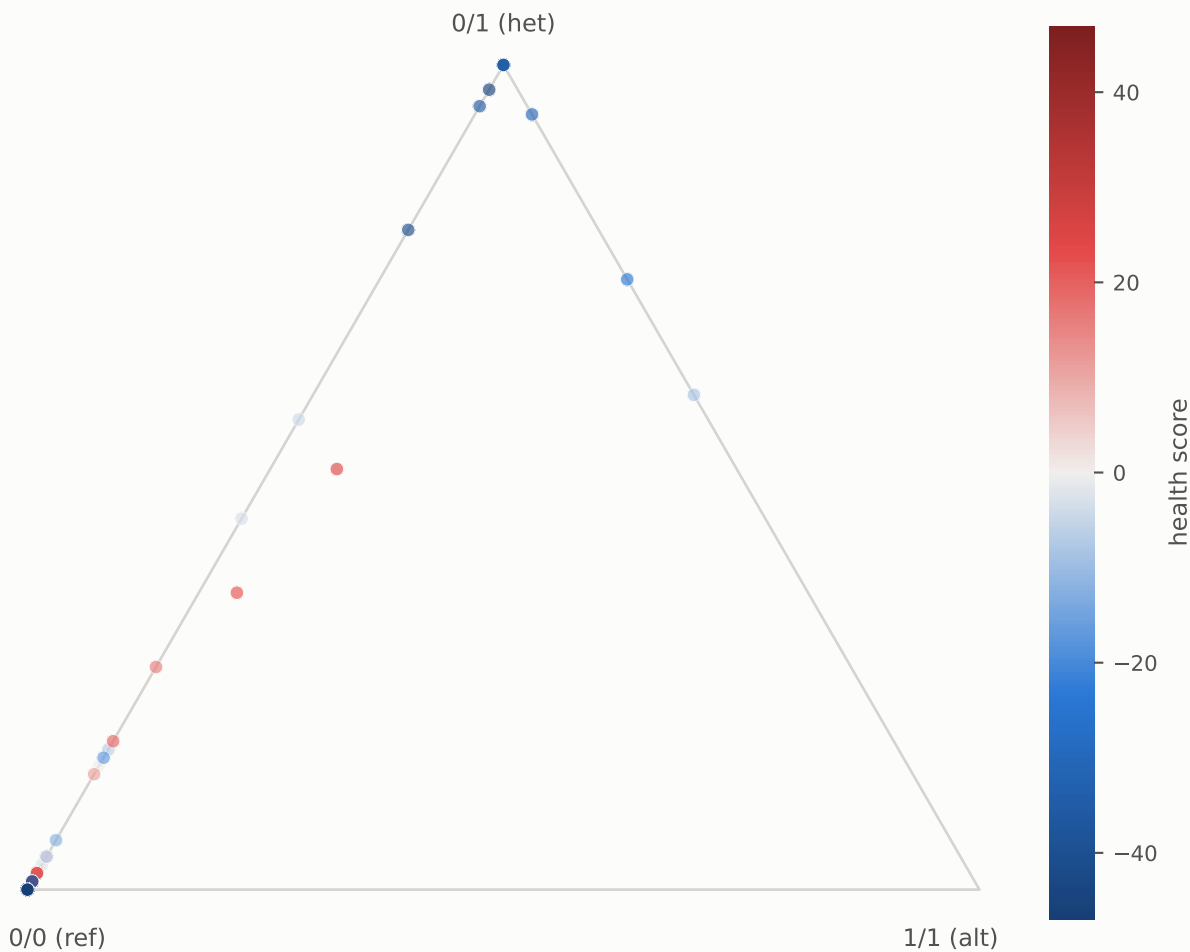
#165 by cluster health separation CHR_06:33,642,440 C>T
AF=0.059 DR2=0.85 $r=-0.169$ H=0.064 F=16.0



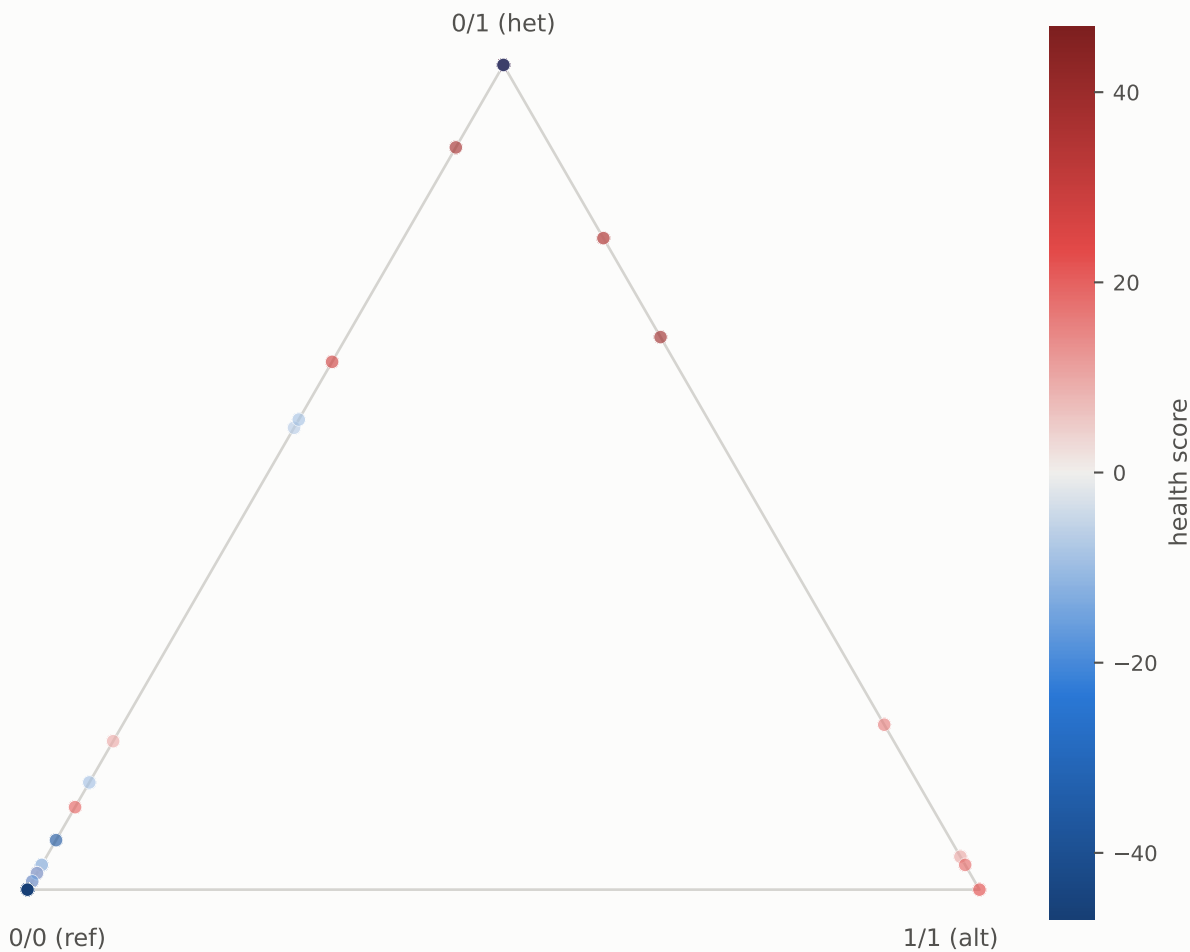
#166 by cluster health separation CHR_15:6,544,154 A>G
AF=0.043 DR2=0.93 r=-0.161 H=0.019 F=16.0



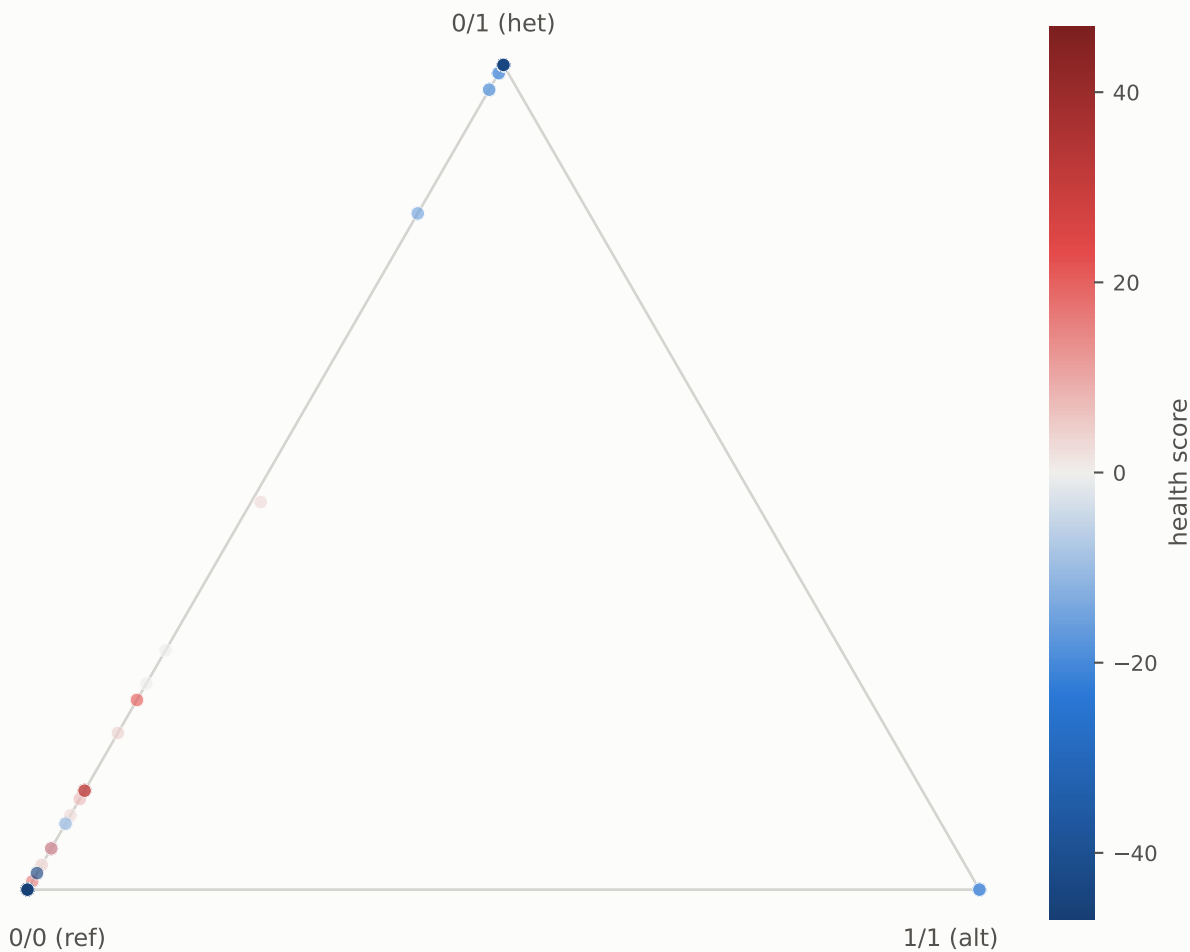
#167 by cluster health separation CHR_04:33,633,263 G>A
AF=0.023 DR2=0.84 r=-0.180 H=0.024 F=16.0



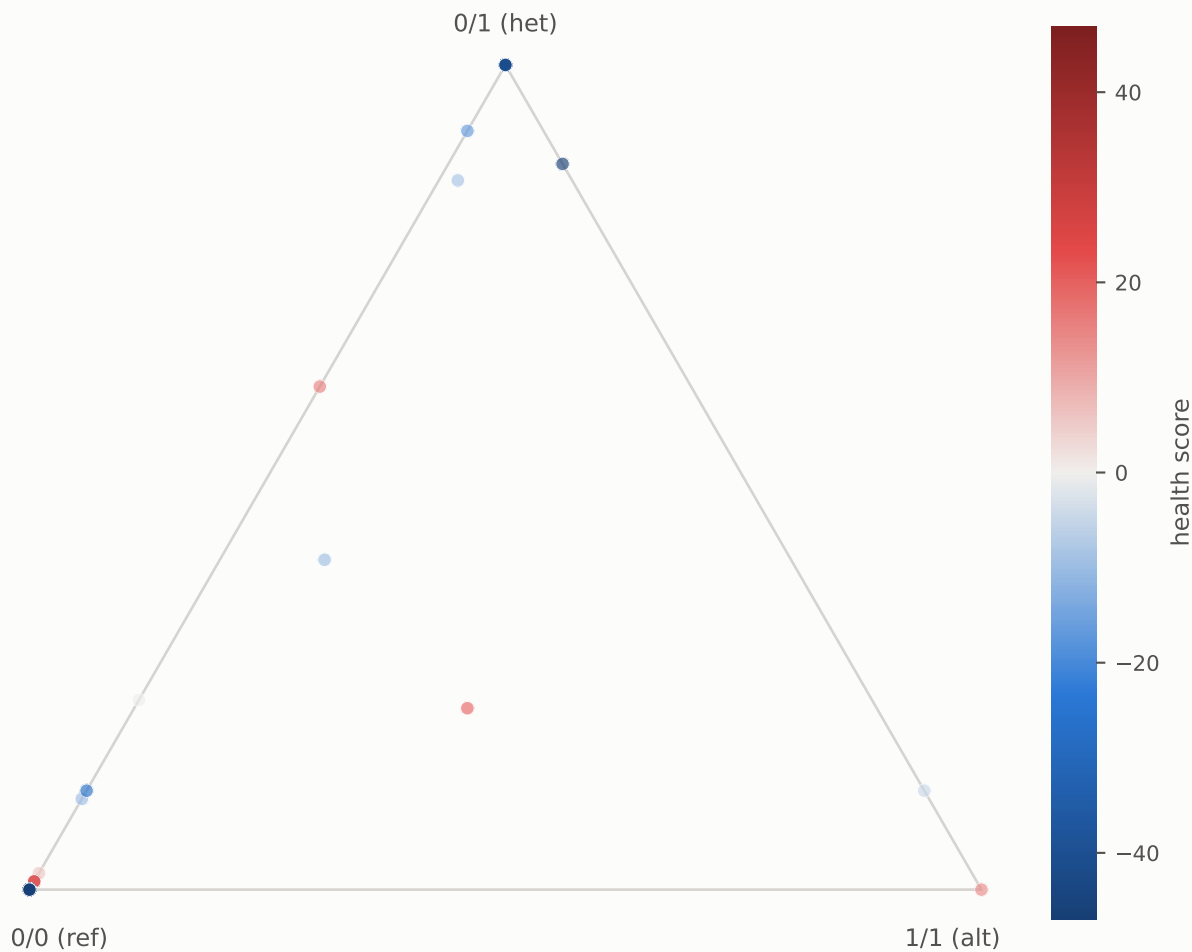
#168 by cluster health separation CHR_16:15,275,589 T>C
AF=0.06 DR2=0.96 r=+0.212 H=0.016 F=16.0



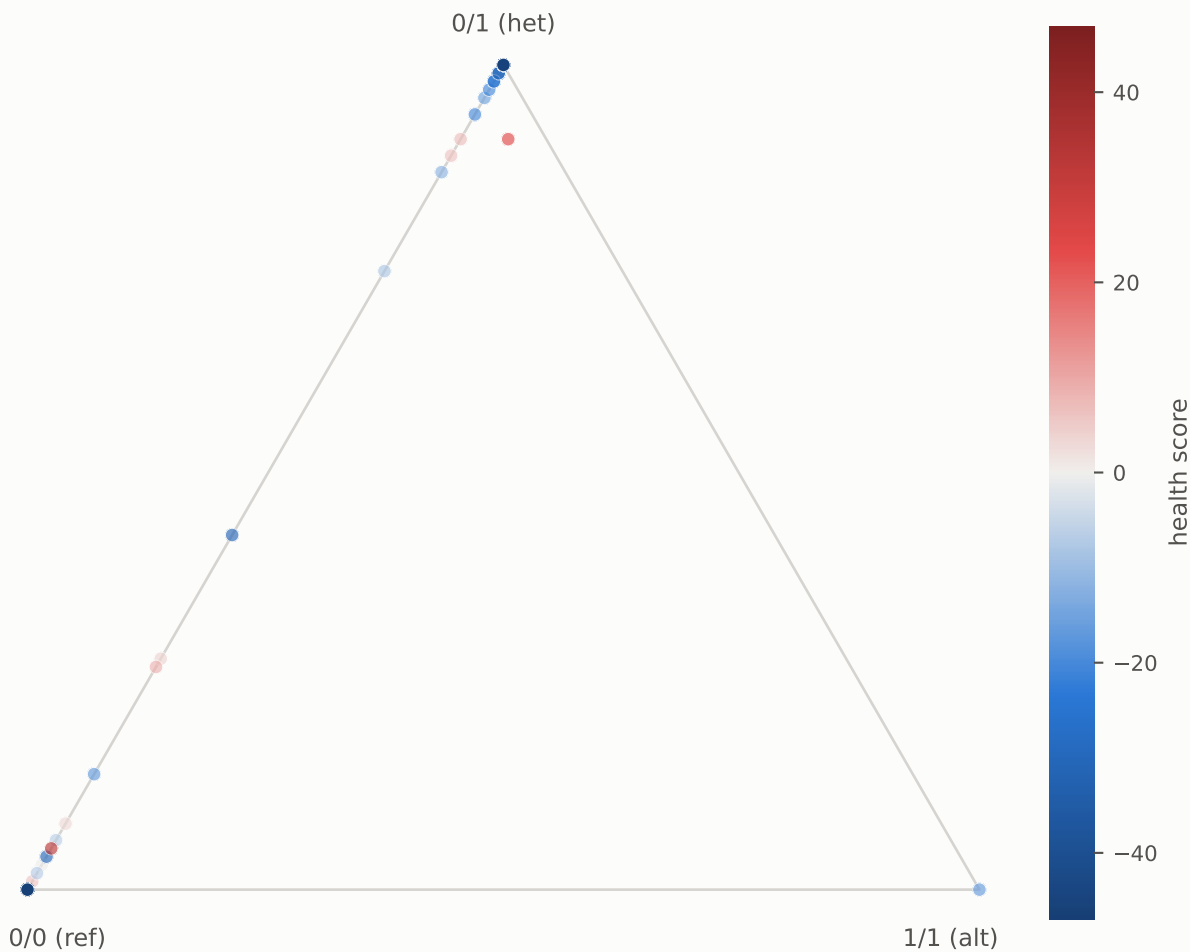
#169 by cluster health separation CHR_15:18,524,621 G>A
AF=0.046 DR2=0.93 r=-0.185 H=0.015 F=16.0



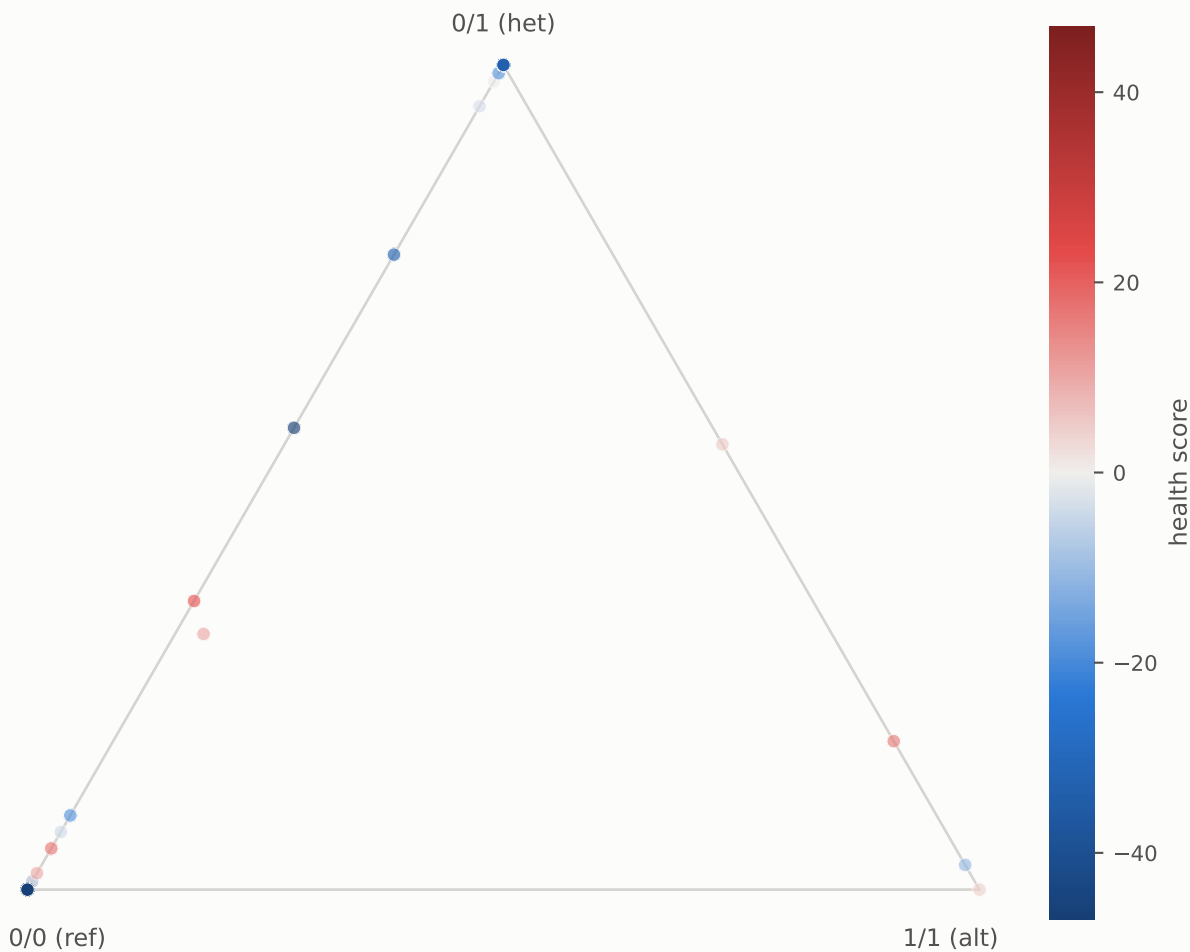
#170 by cluster health separation CHR_04:28,413,563 C>T
AF=0.074 DR2=0.96 r=-0.167 H=0.013 F=15.9



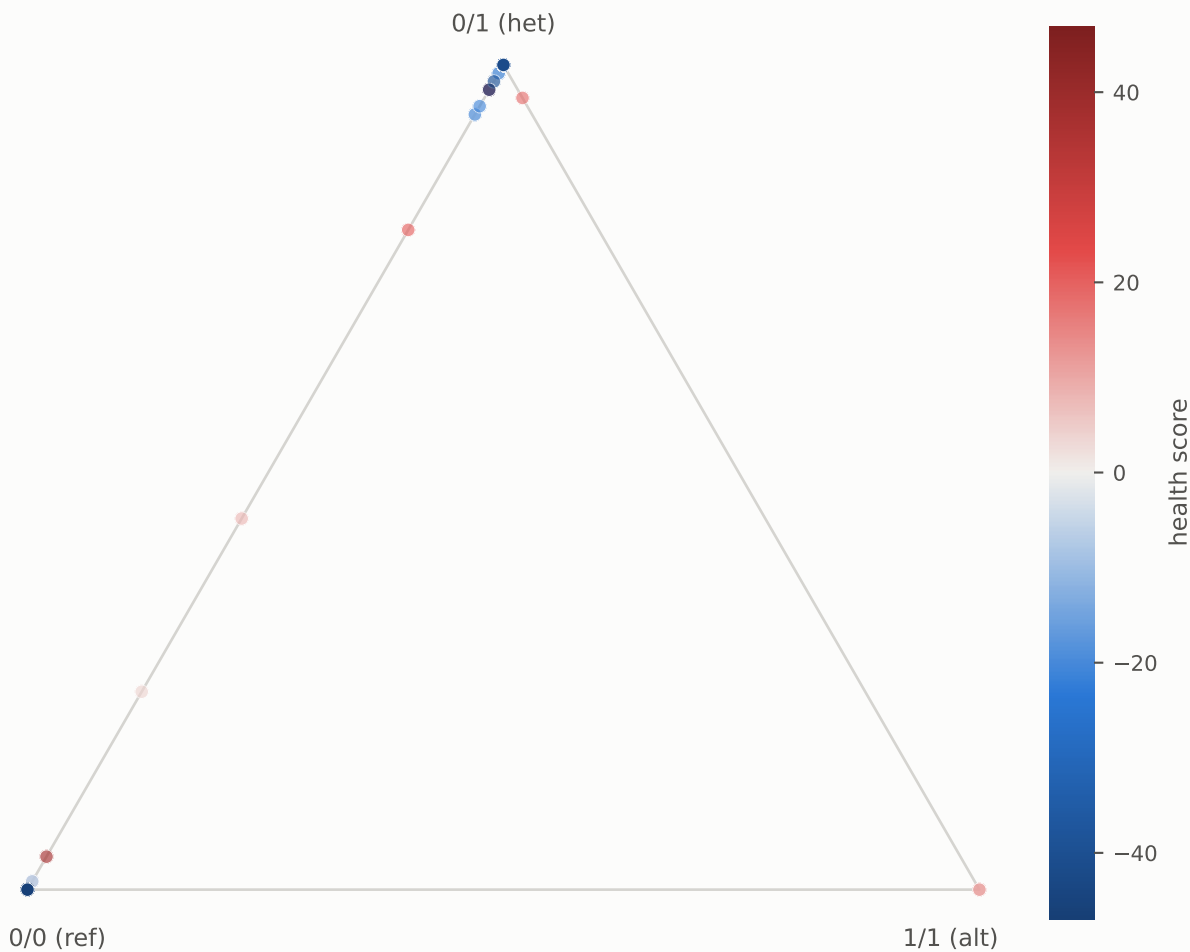
#171 by cluster health separation unpl-scaff_011:777 G>T
AF=0.069 DR2=0.97 r=-0.194 H=0.014 F=15.9



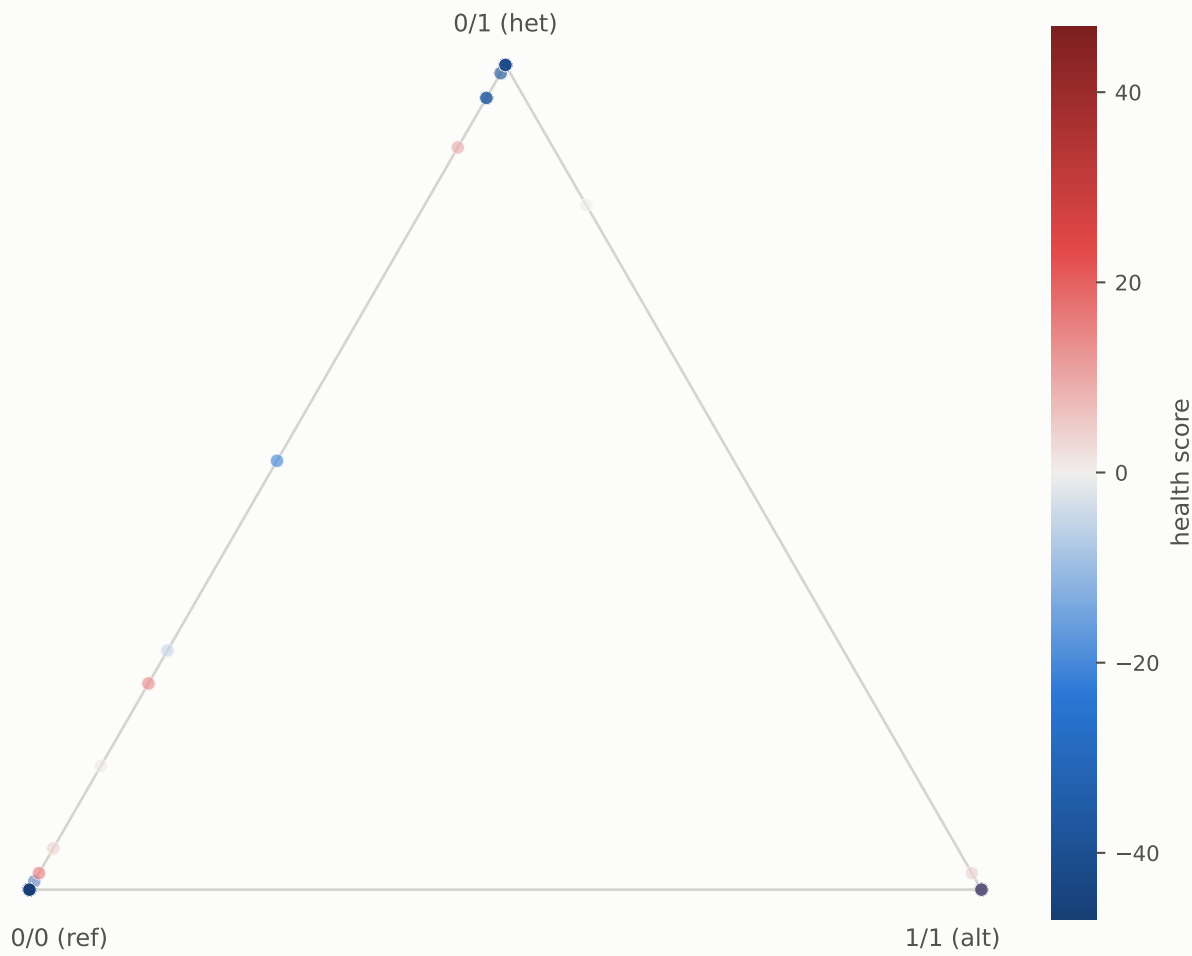
#172 by cluster health separation CHR_21:4,541,955 T>C
AF=0.044 DR2=0.96 r=-0.142 H=0.012 F=15.9



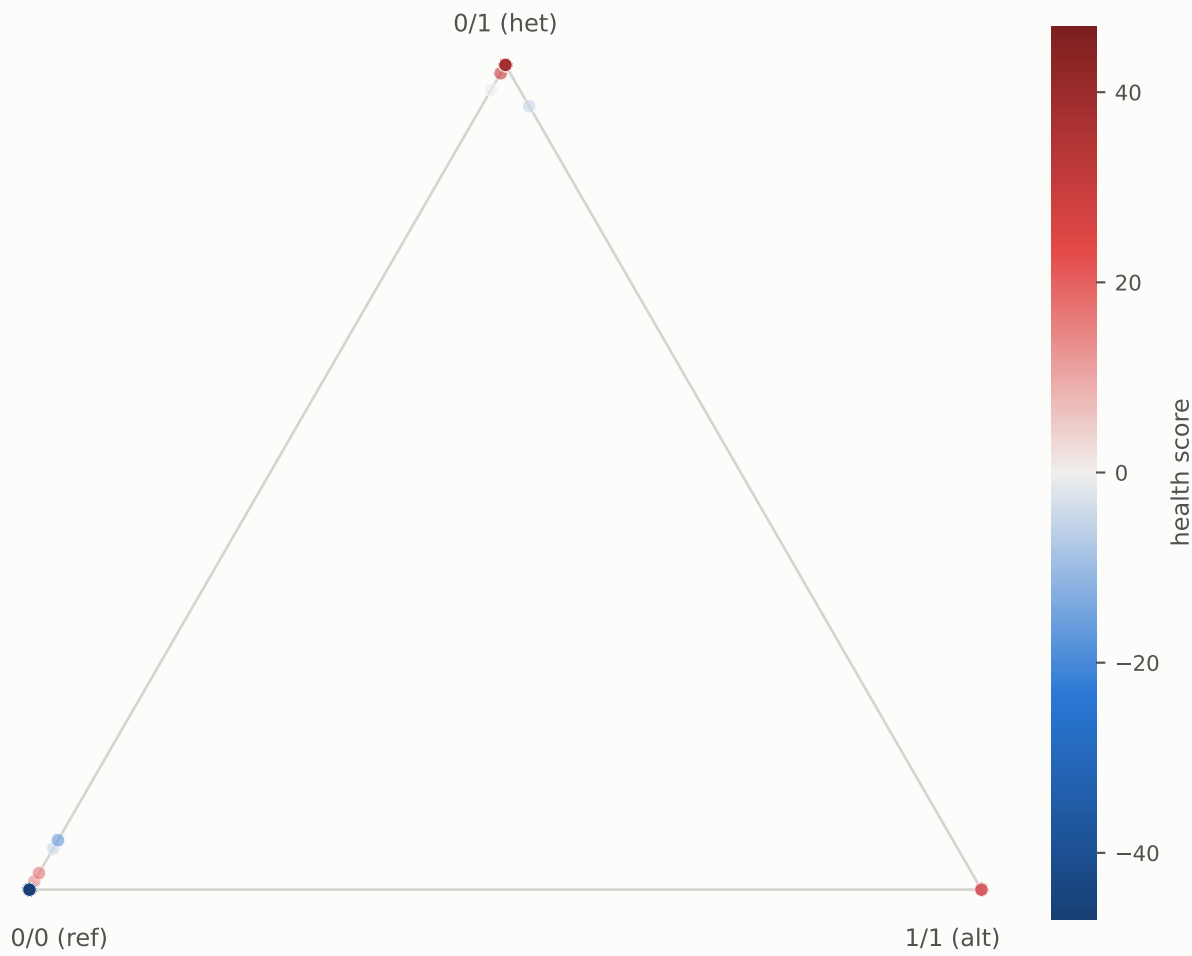
#173 by cluster health separation CHR_05:32,562,876 T>A
AF=0.049 DR2=0.98 r=-0.157 H=0.008 F=15.9



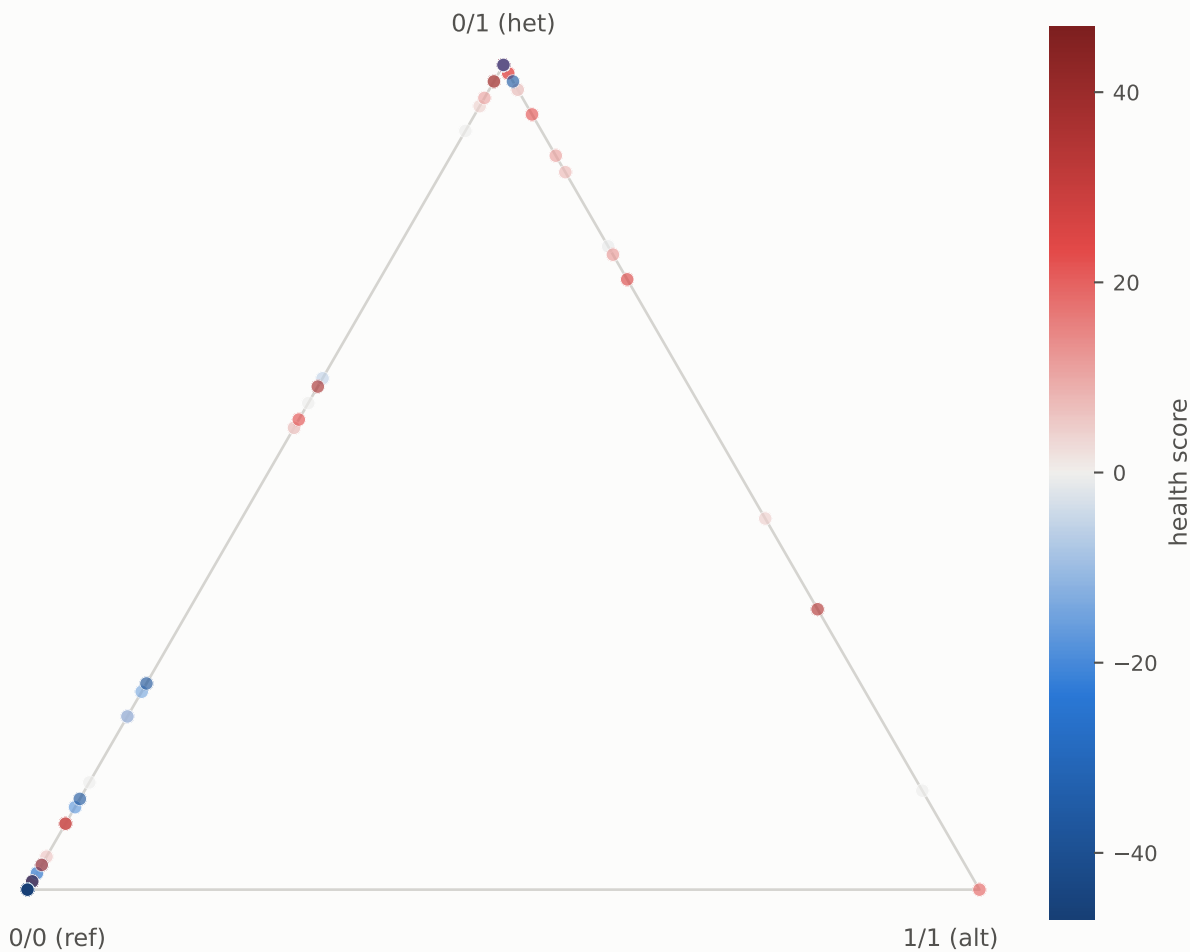
#174 by cluster health separation CHR_21:15,308,944 G>T
AF=0.073 DR2=0.97 r=-0.173 H=0.009 F=15.9



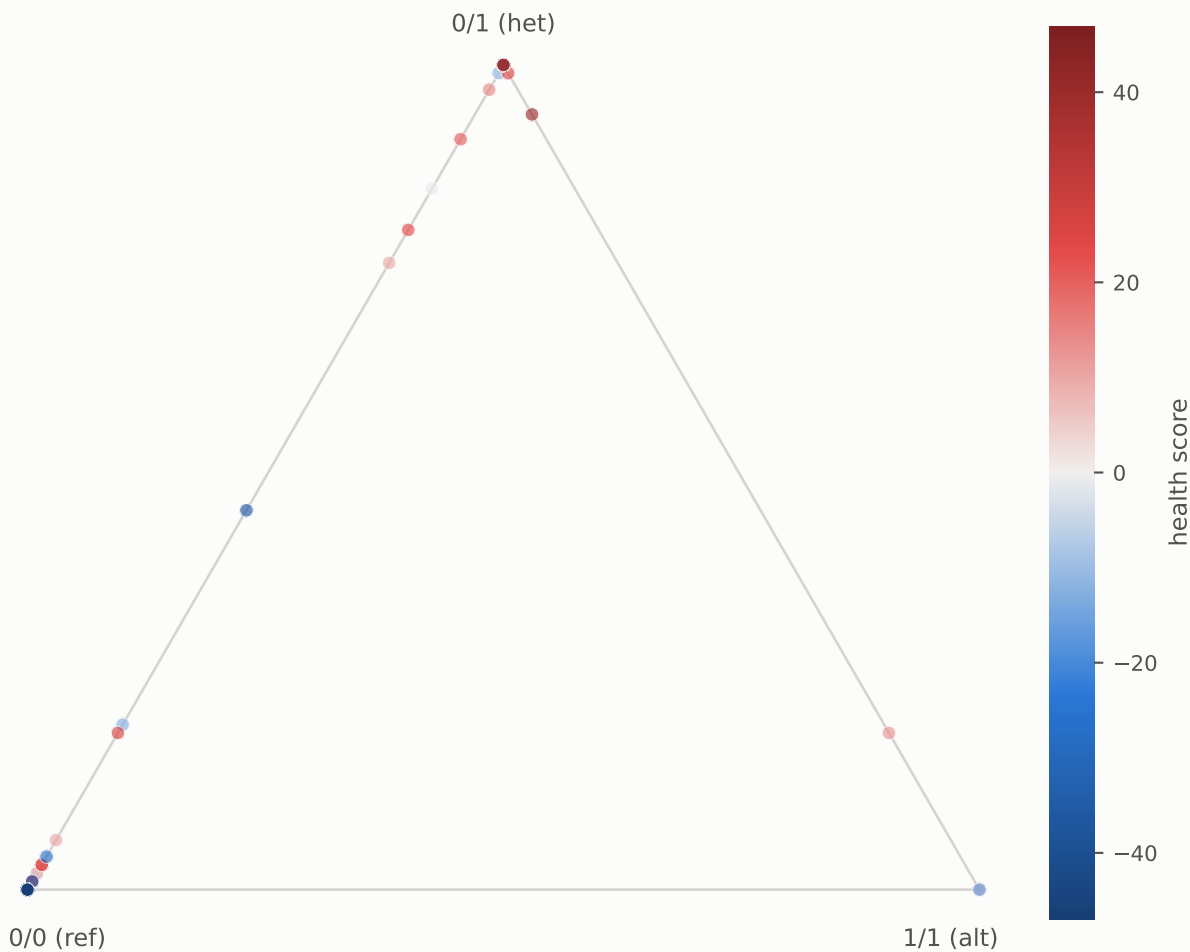
#175 by cluster health separation CHR_08:29,471,327 C>T
AF=0.054 DR2=0.99 r=+0.188 H=0.002 F=15.9



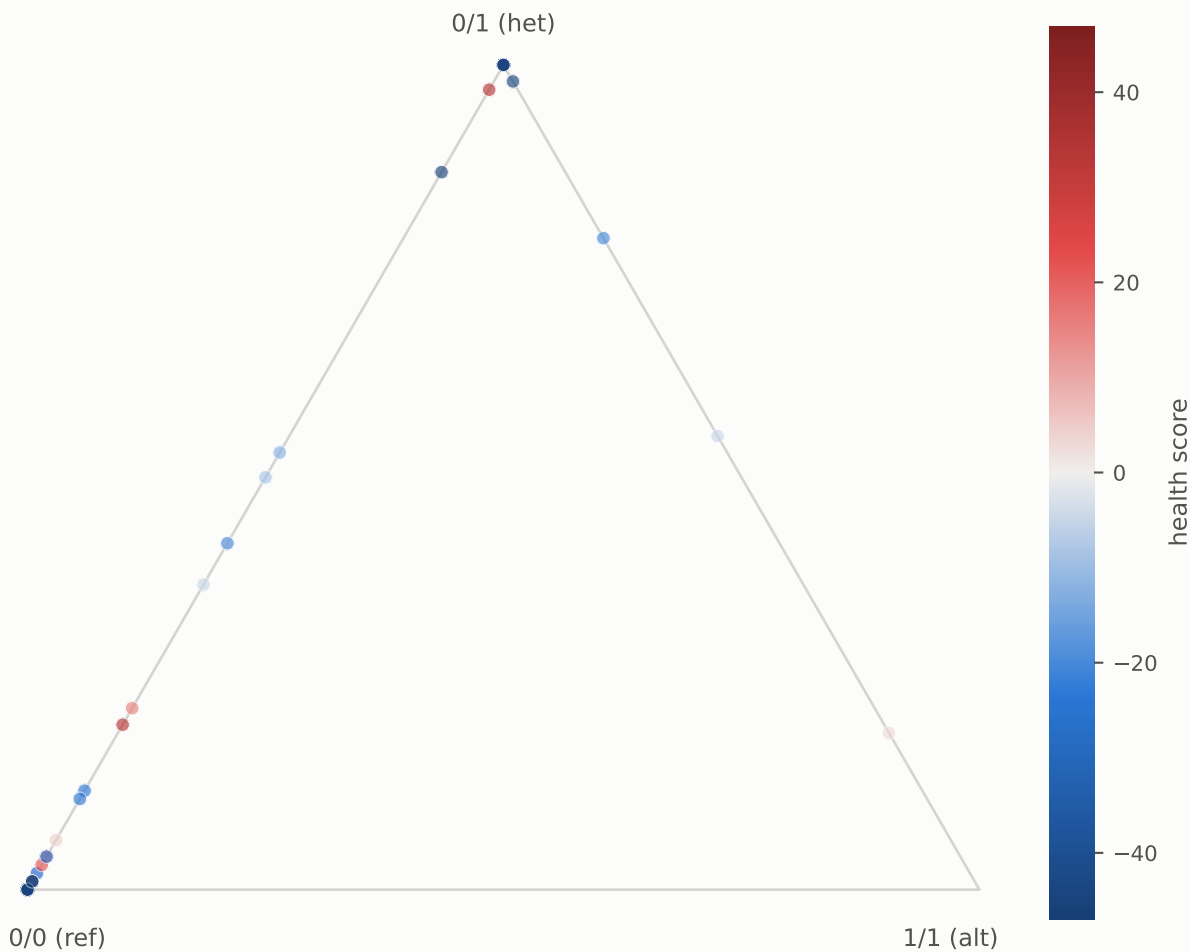
#176 by cluster health separation CHR_04:23,744,337 C>A
AF=0.066 DR2=0.93 r=+0.193 H=0.034 F=15.9



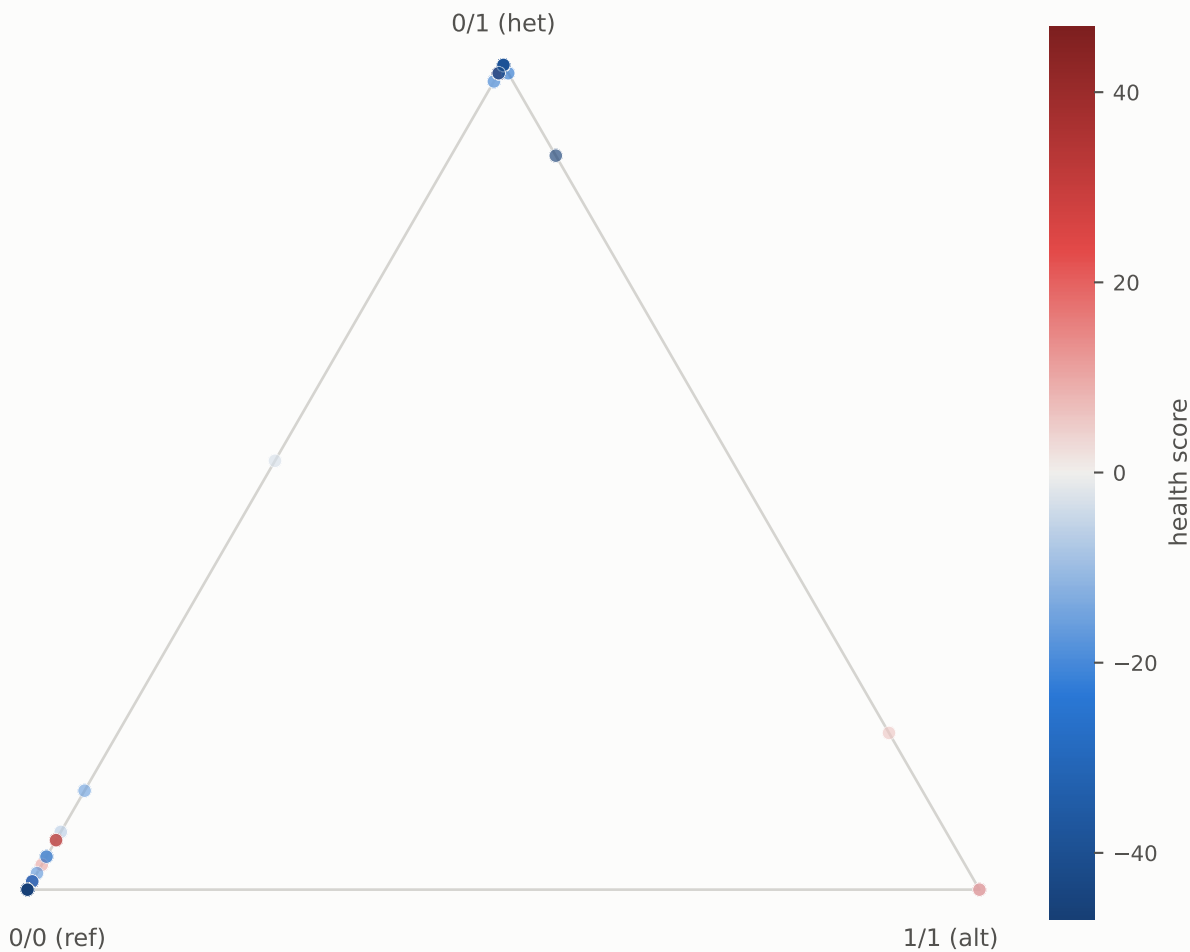
#177 by cluster health separation CHR_07:24,667,826 T>C
AF=0.087 DR2=0.97 r=+0.169 H=0.013 F=15.9



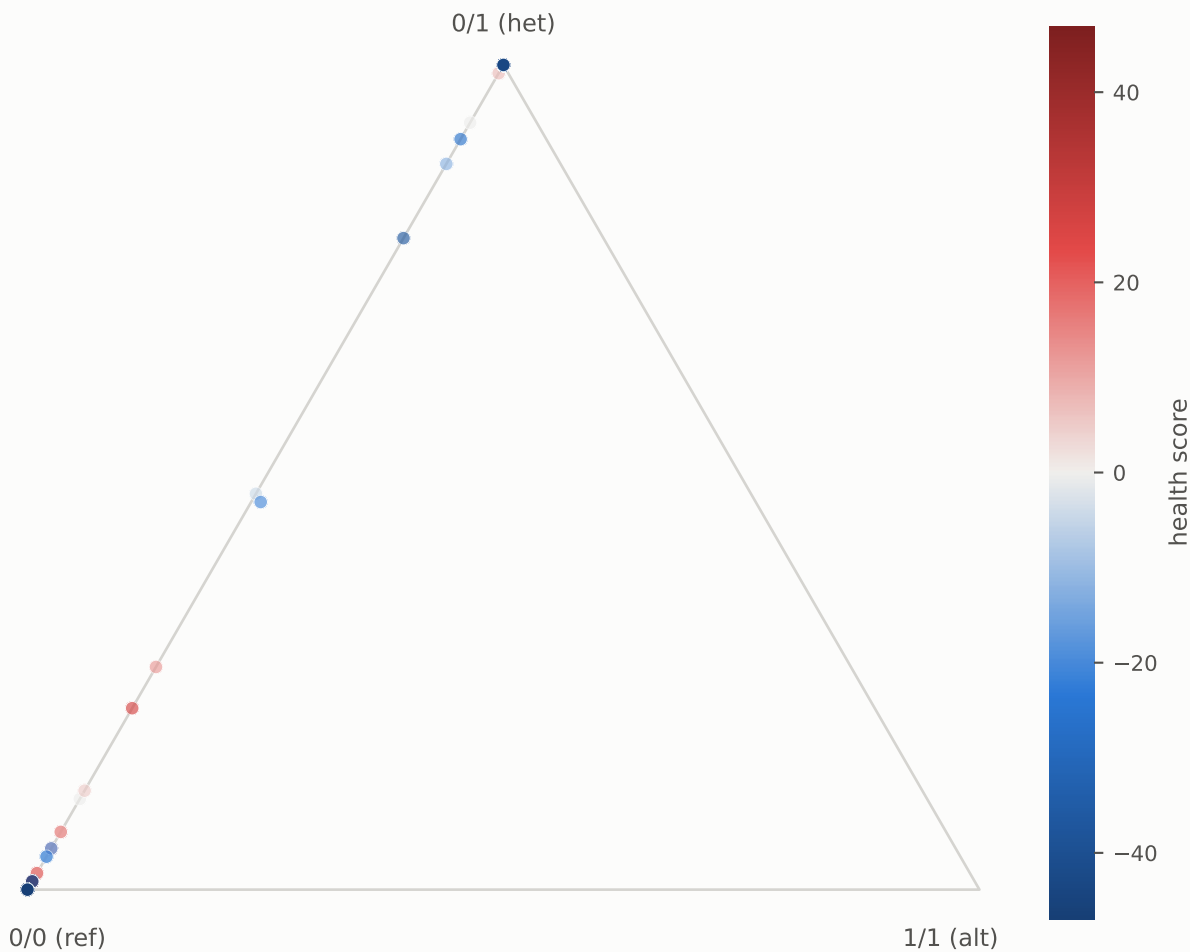
#178 by cluster health separation CHR_14:23,402,809 T>C
AF=0.068 DR2=0.96 r=-0.181 H=0.020 F=15.9



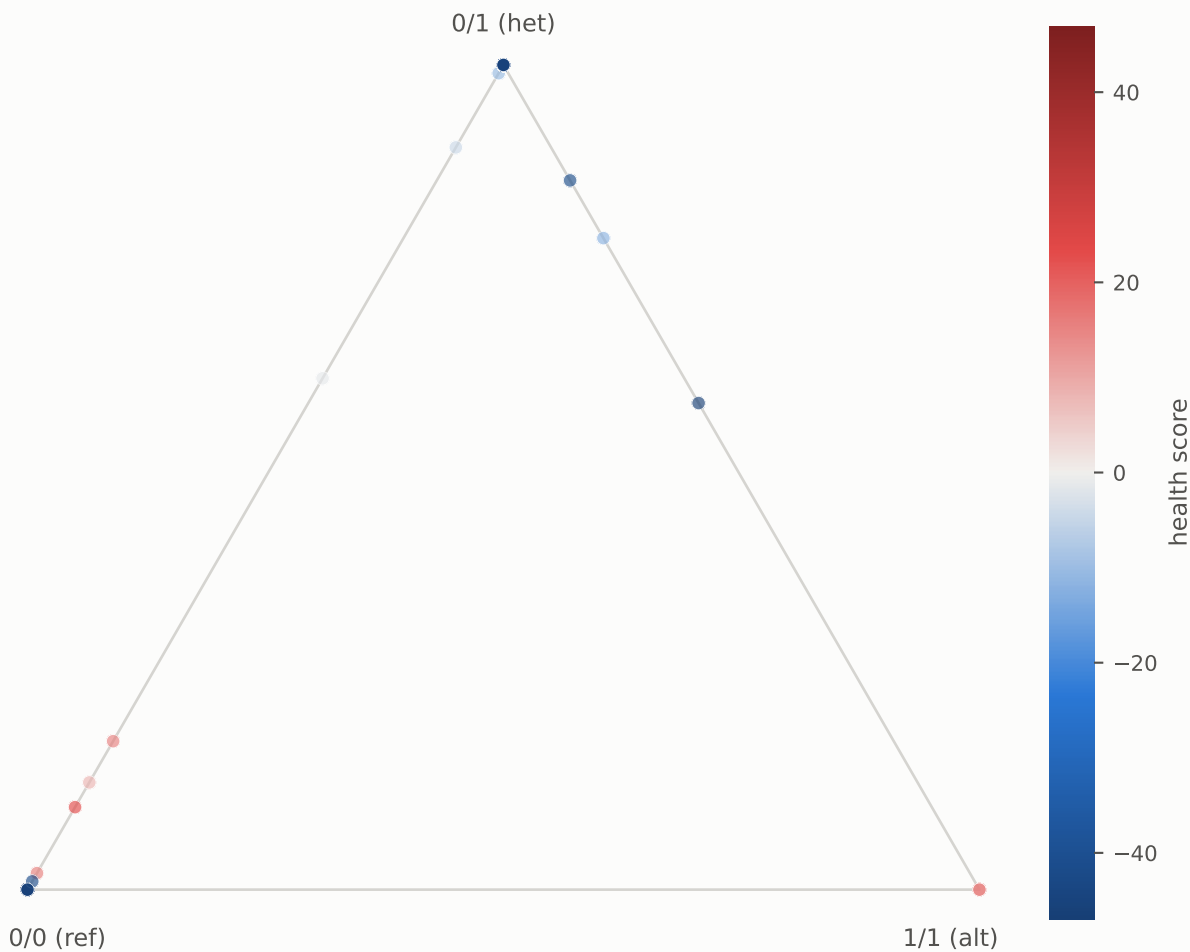
#179 by cluster health separation CHR_04:28,416,028 G>A
AF=0.074 DR2=0.96 r=-0.160 H=0.010 F=15.8



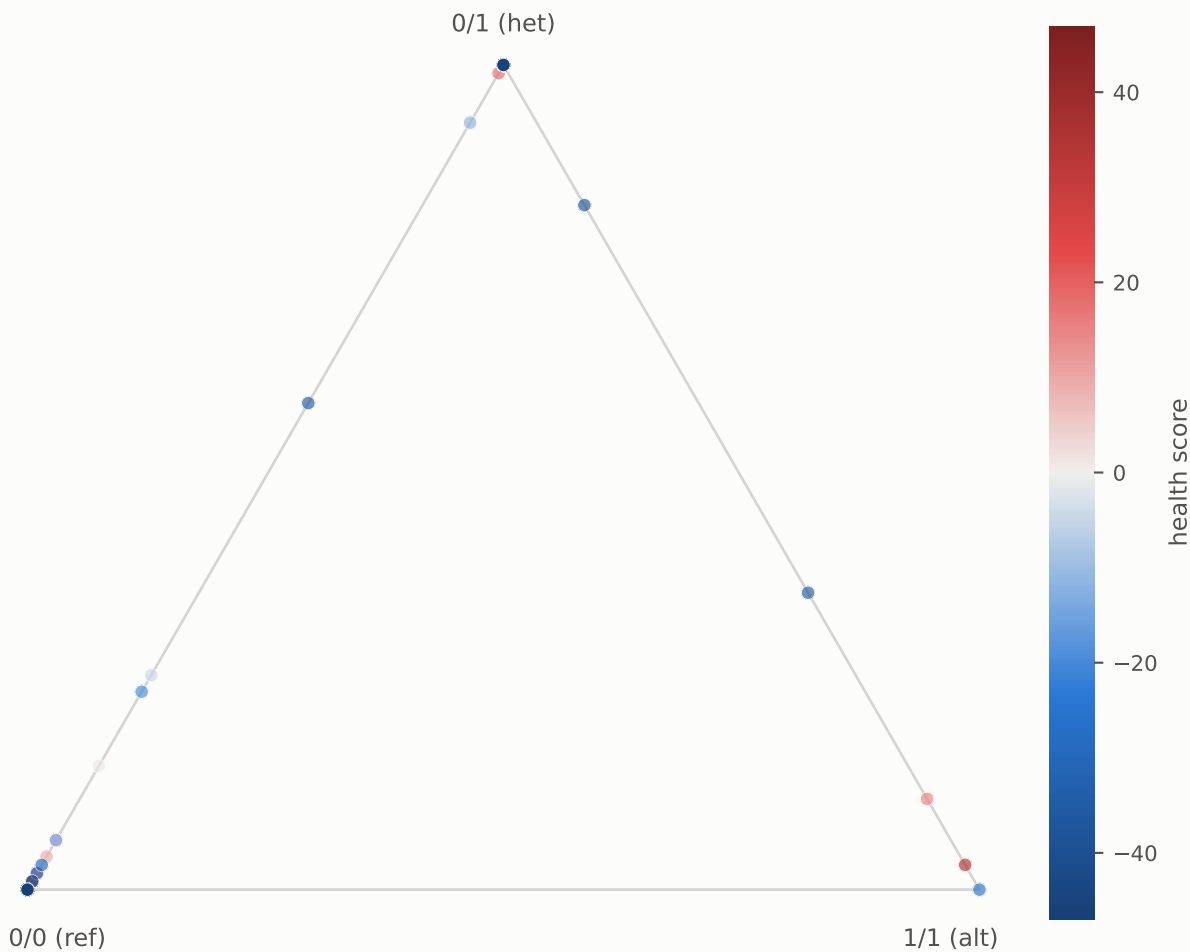
#180 by cluster health separation CHR_08:27,931,491 A>G
AF=0.041 DR2=0.91 r=-0.181 H=0.018 F=15.8



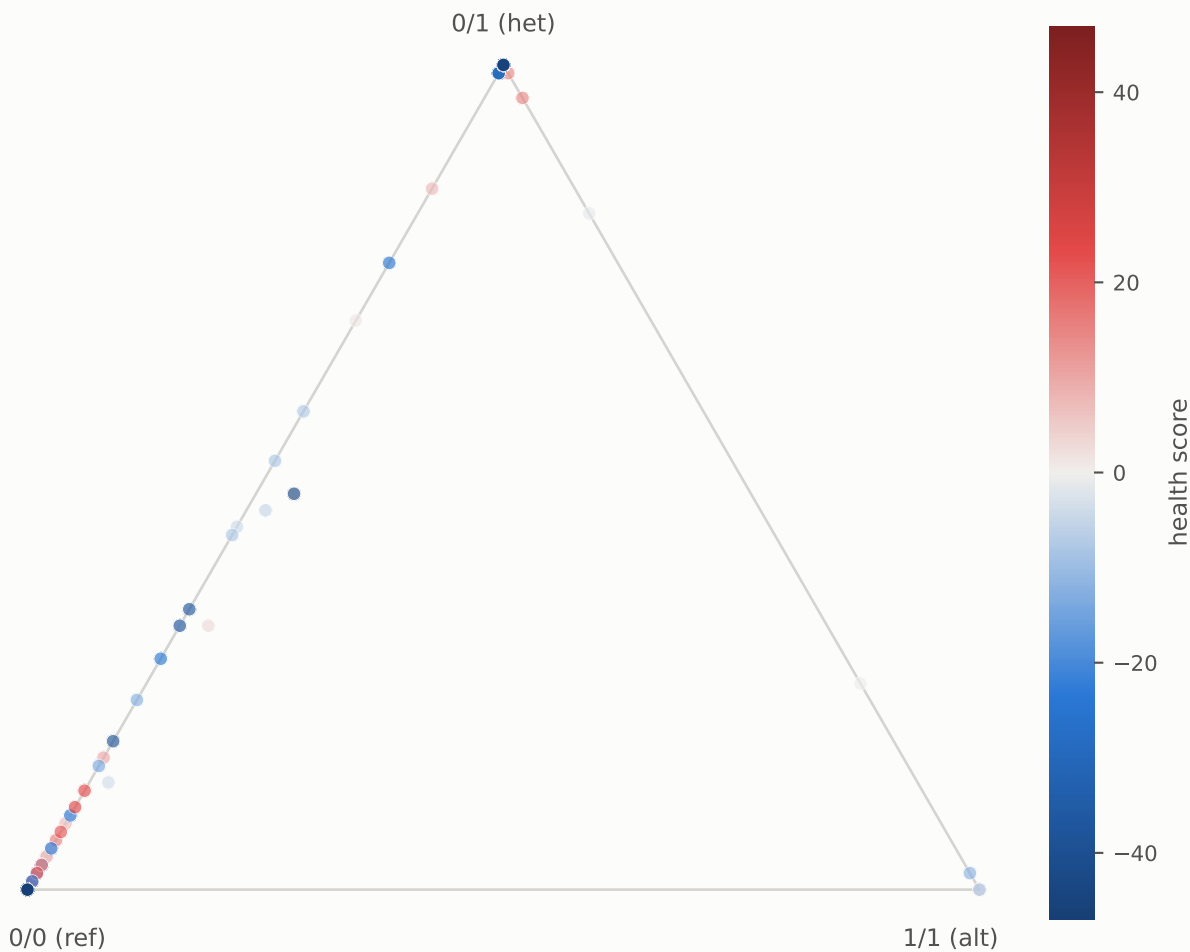
#181 by cluster health separation CHR_01:9,917,899 G>A
AF=0.05 DR2=0.97 $r=-0.153$ $H=0.009$ $F=15.8$



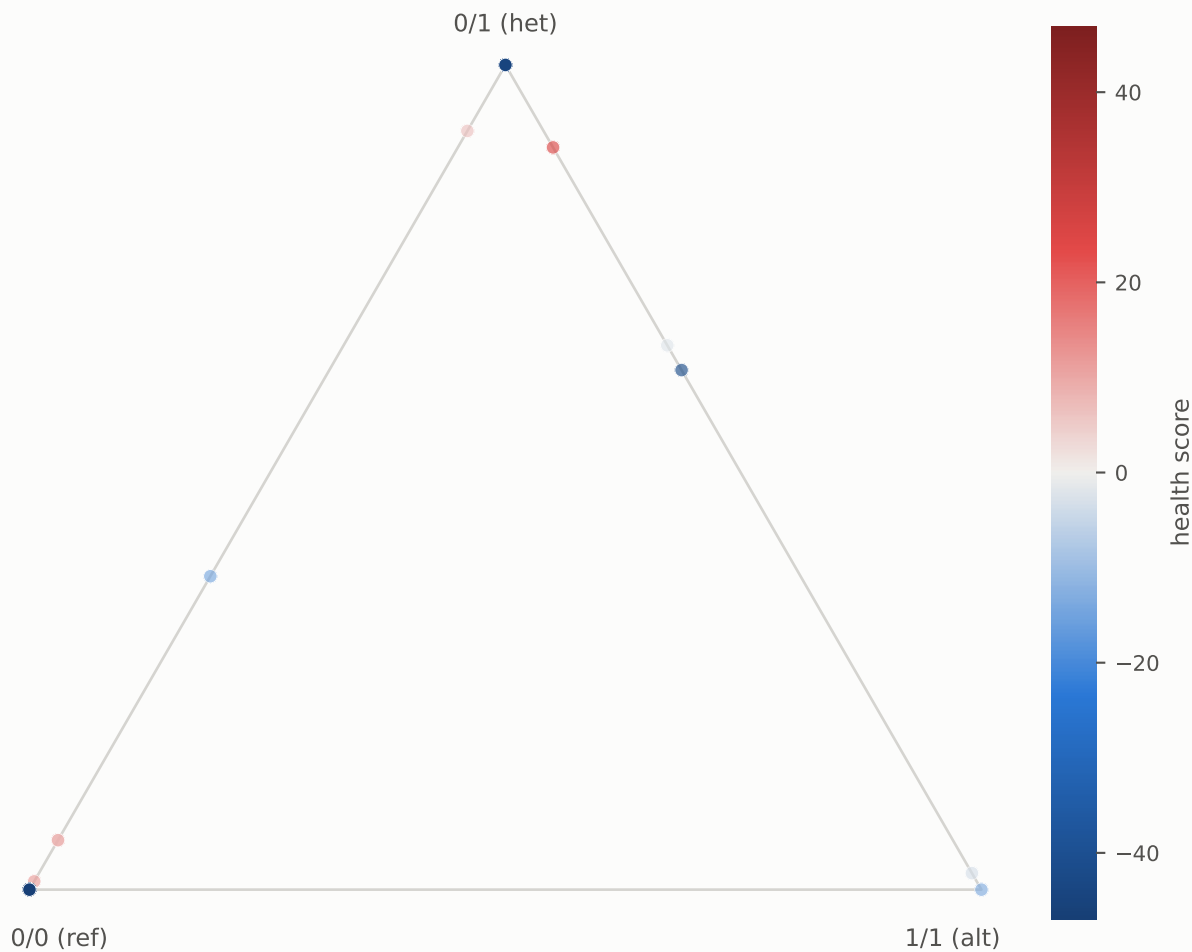
#182 by cluster health separation CHR_21:22,043,410 C>A
AF=0.043 DR2=0.95 r=-0.156 H=0.013 F=15.8



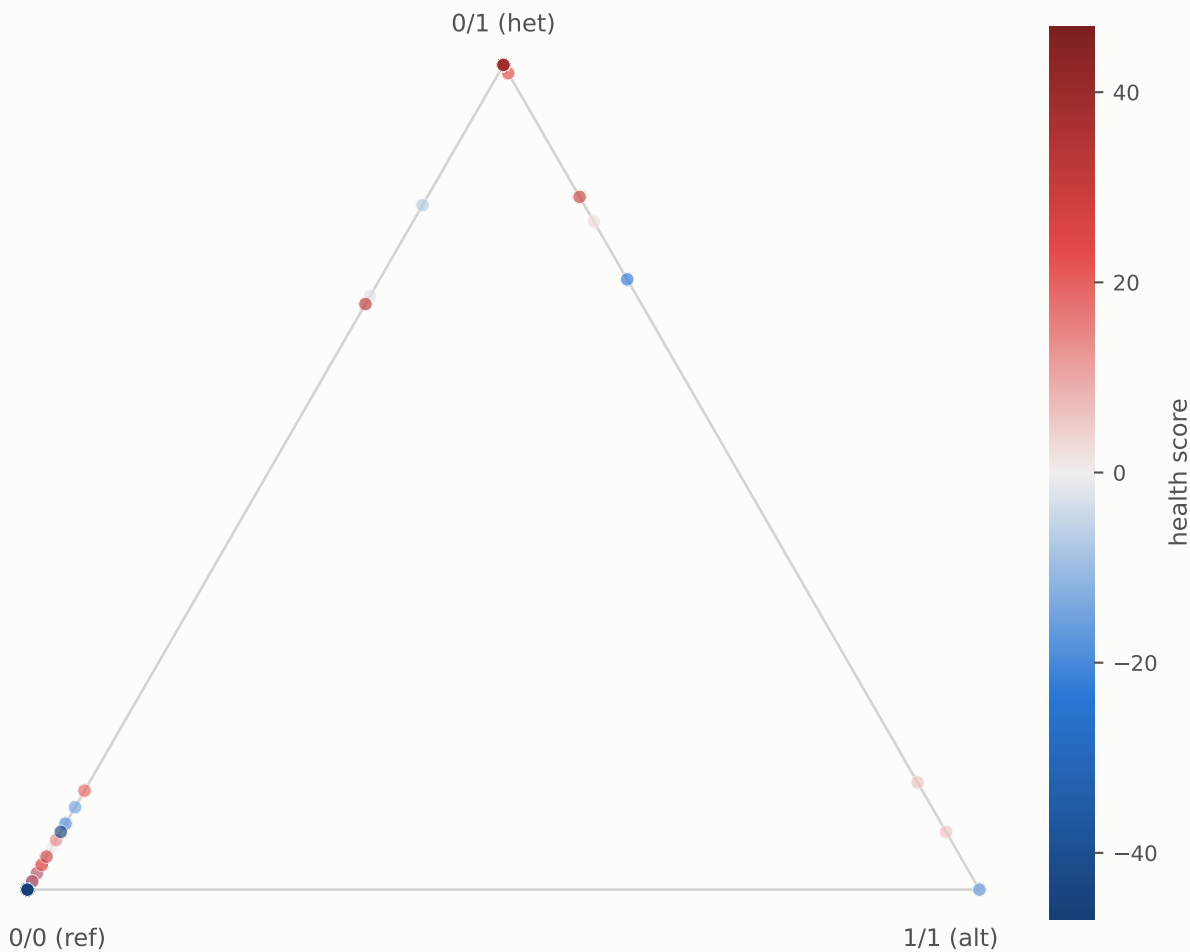
#183 by cluster health separation CHR_14:24,914,300 T>C
AF=0.069 DR2=0.89 r=-0.181 H=0.040 F=15.8



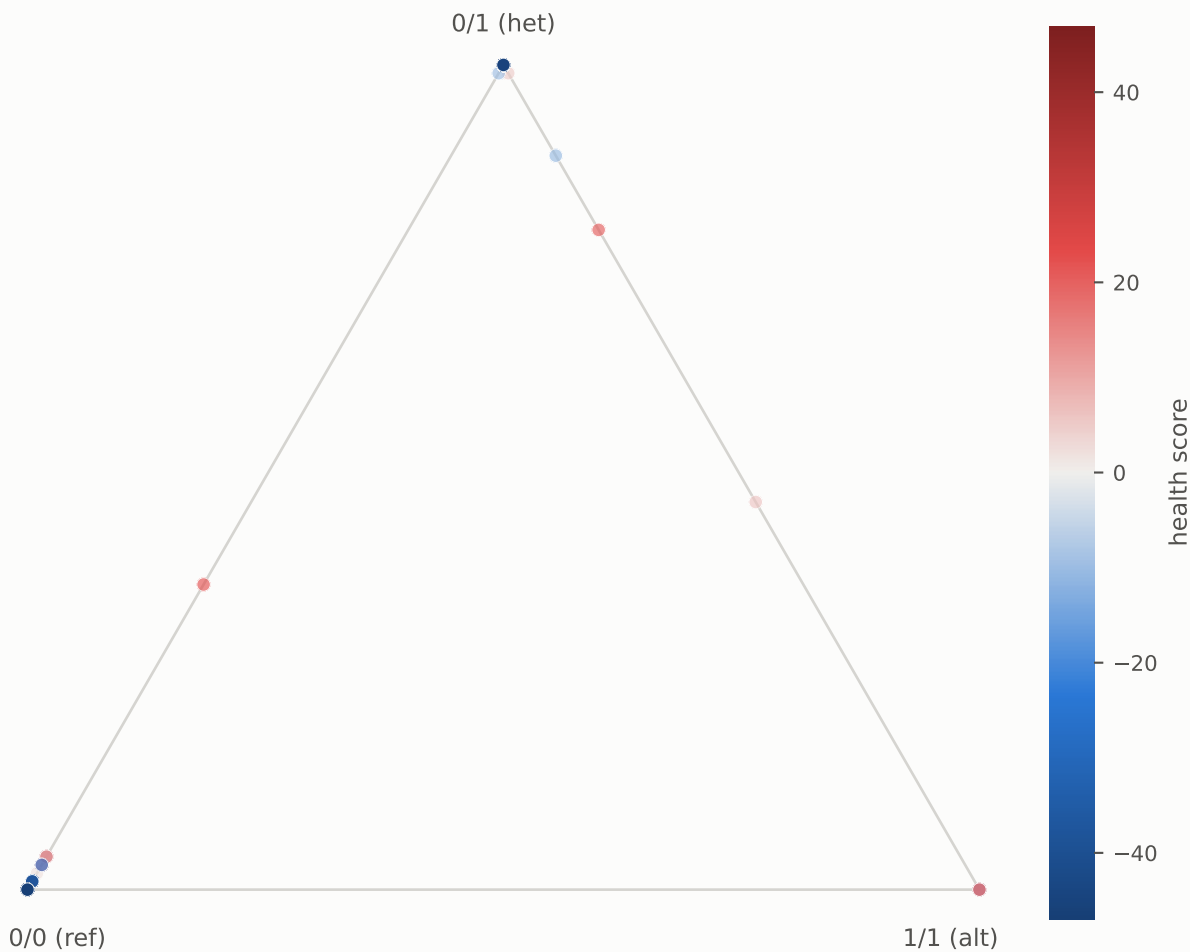
#184 by cluster health separation CHR_17:3,139,620 C>T
AF=0.082 DR2=0.98 r=-0.189 H=0.007 F=15.8



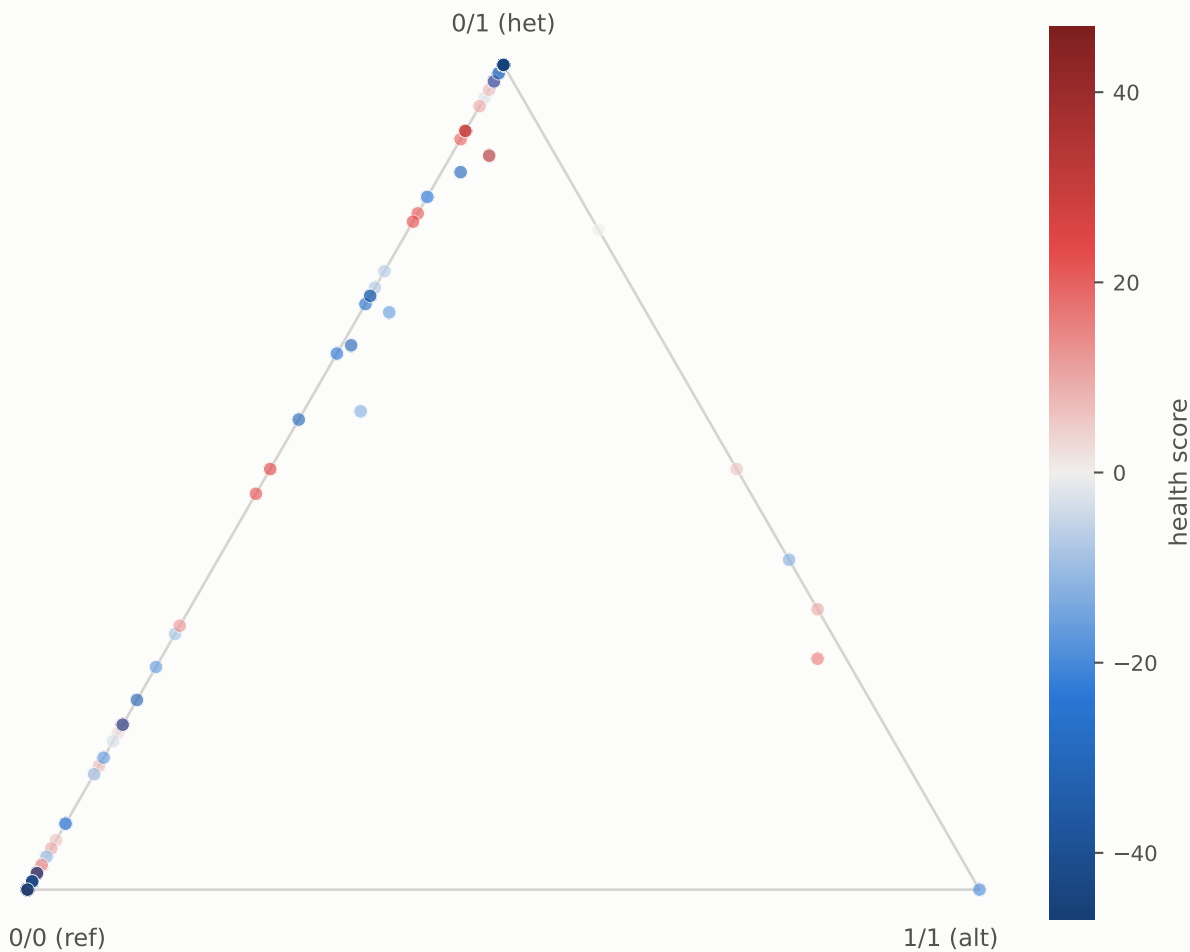
#185 by cluster health separation CHR_05:30,052,041 G>A
AF=0.046 DR2=0.95 $r=+0.145$ $H=0.014$ $F=15.8$



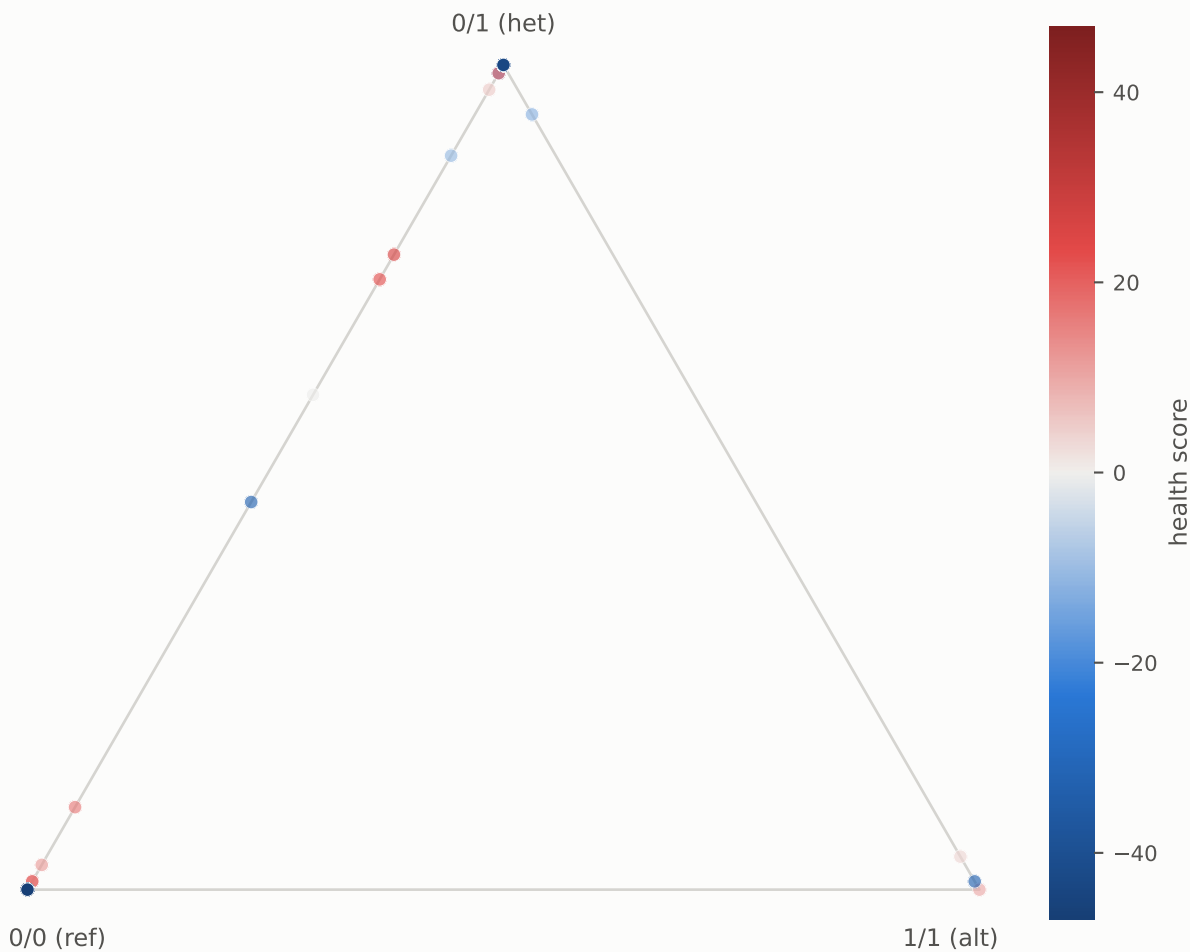
#186 by cluster health separation CHR_10:9,267,808 T>C
AF=0.075 DR2=0.98 r=-0.157 H=0.009 F=15.8



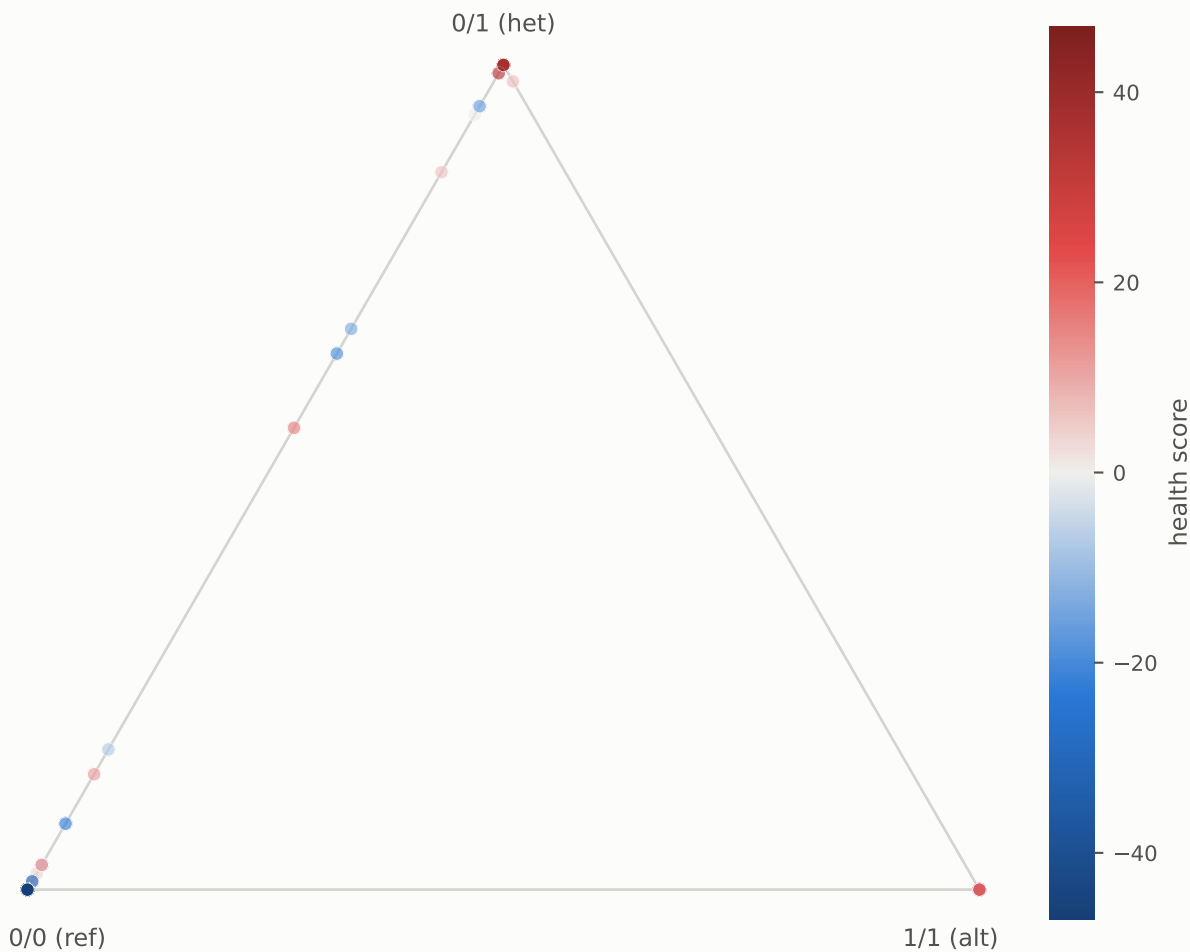
#187 by cluster health separation CHR_22:12,935,051 A>G
AF=0.18 DR2=0.92 $r=-0.175$ H=0.059 F=15.8



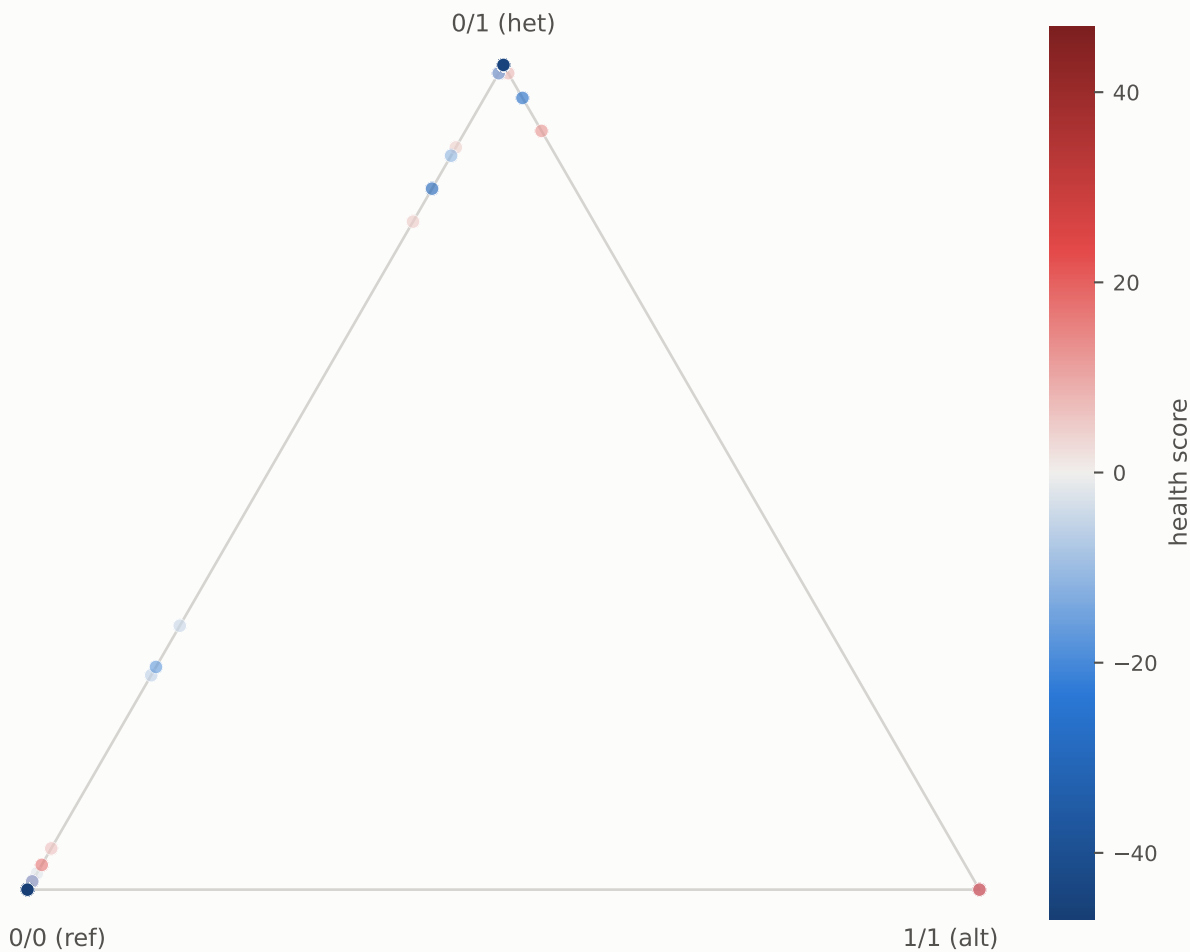
#188 by cluster health separation CHR_22:731,924 A>T
AF=0.056 DR2=0.96 r=-0.189 H=0.009 F=15.7



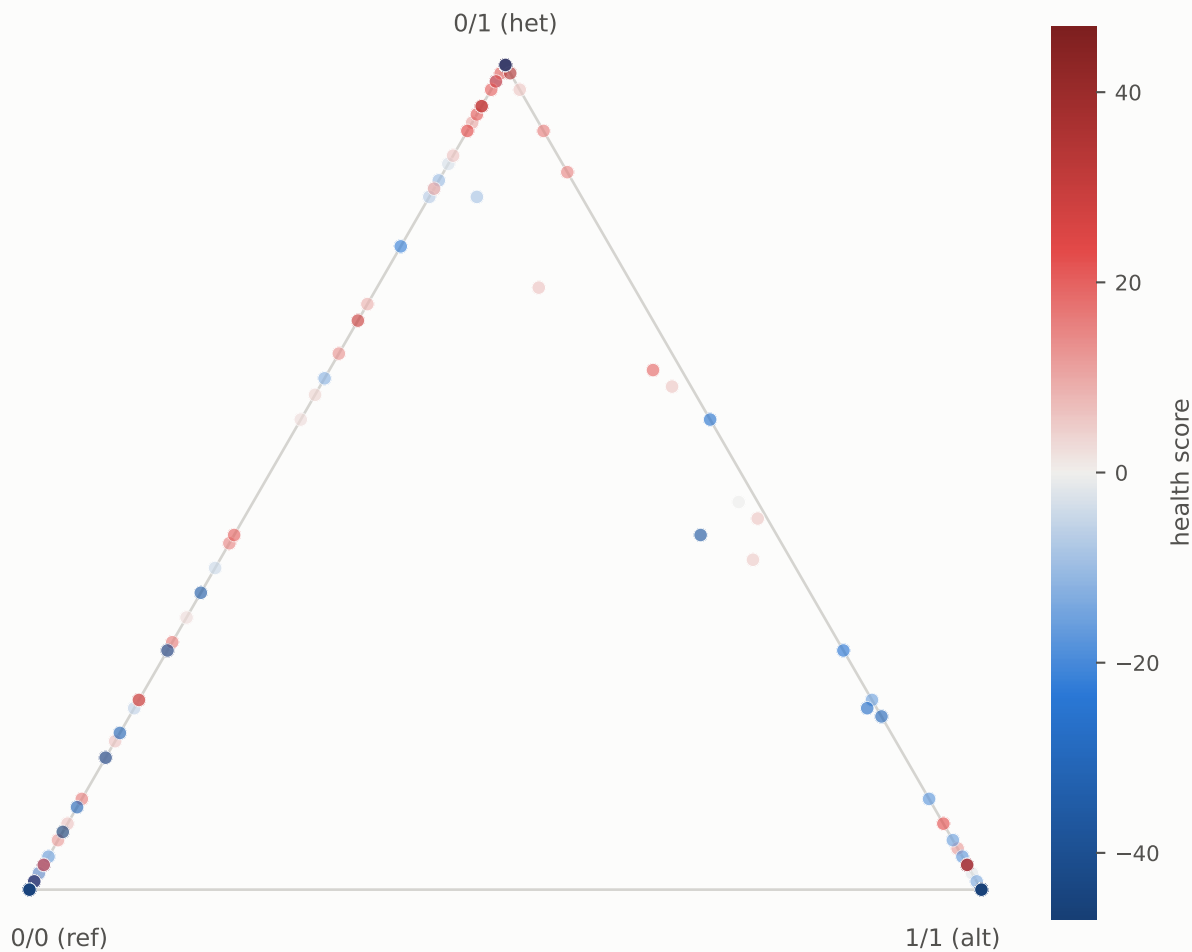
#189 by cluster health separation CHR_08:29,359,791 C>T
AF=0.056 DR2=0.96 r=+0.183 H=0.010 F=15.7



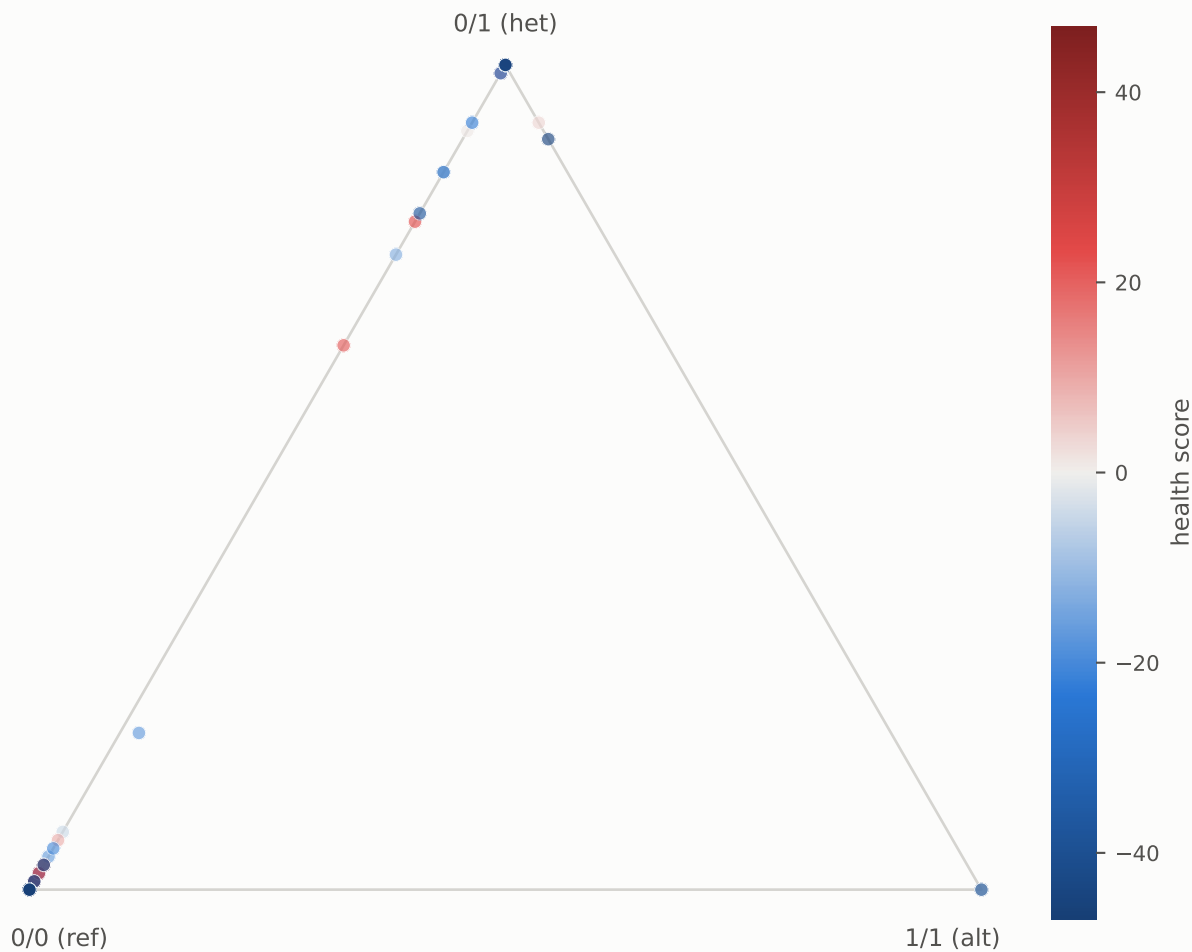
#190 by cluster health separation CHR_10:9,221,995 G>T
AF=0.065 DR2=0.97 r=-0.165 H=0.010 F=15.7



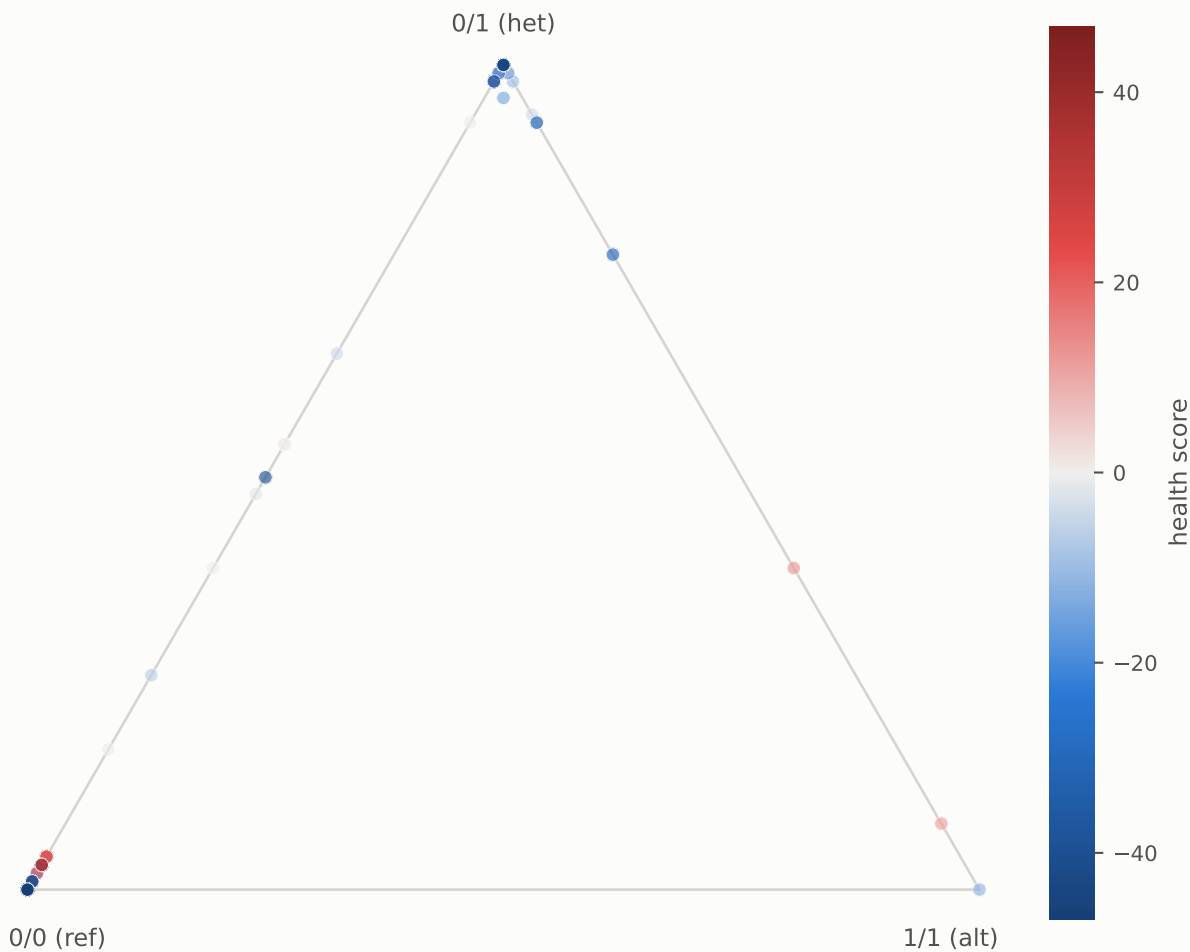
#191 by cluster health separation CHR_05:10,167,658 T>C
AF=0.37 DR2=0.95 r=-0.014 H=0.071 F=15.7



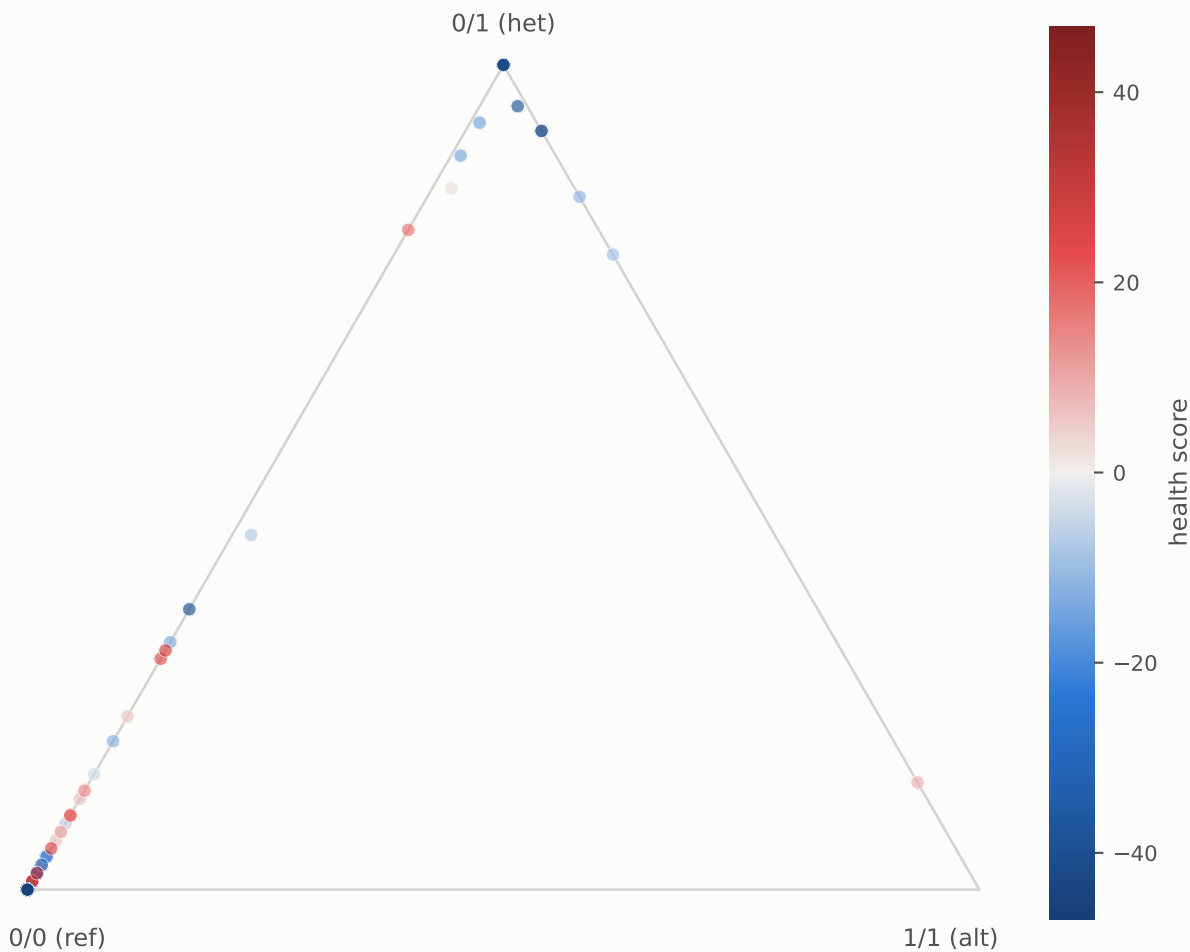
#192 by cluster health separation CHR_11:23,391,839 C>T
AF=0.045 DR2=0.95 r=-0.206 H=0.016 F=15.7



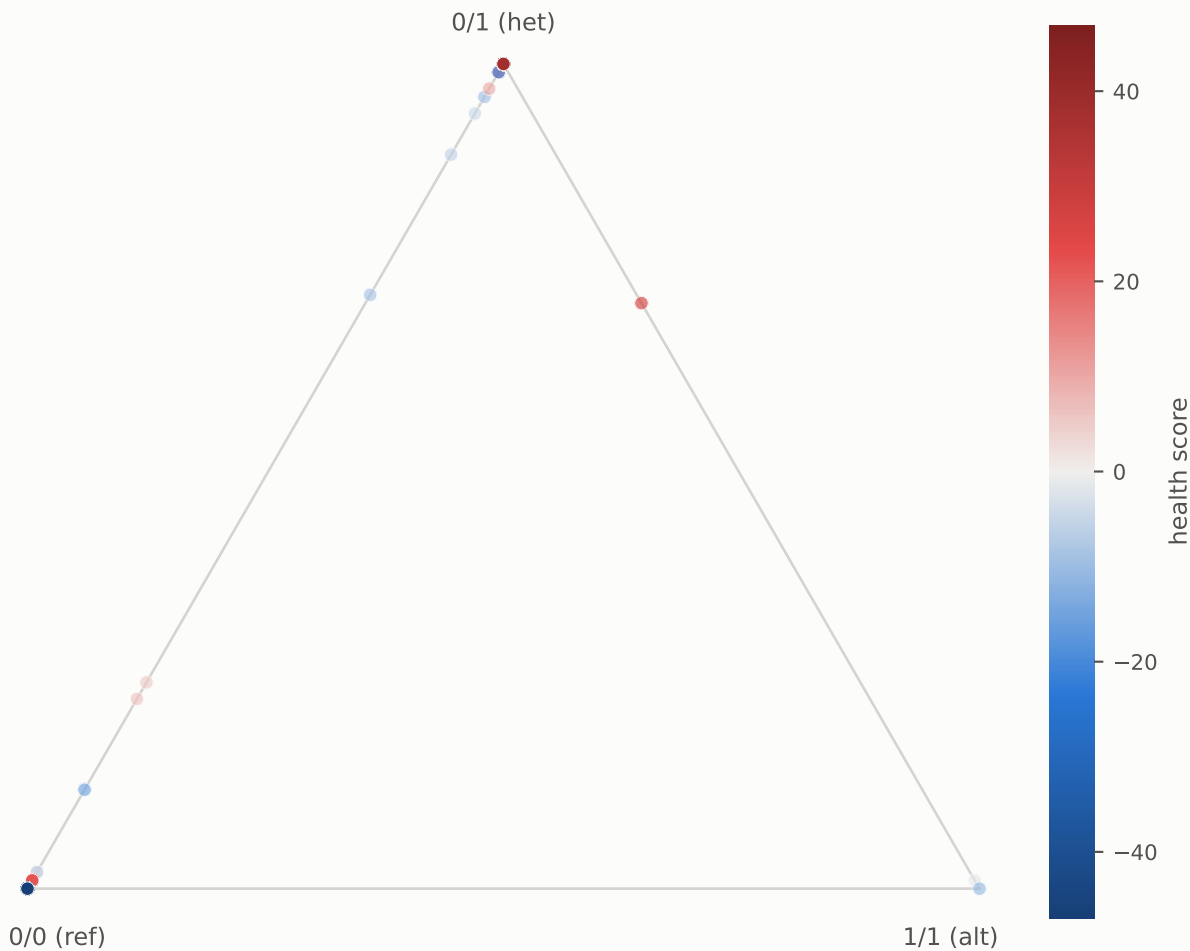
#193 by cluster health separation CHR_02:6,485,325 A>T
AF=0.041 DR2=0.91 r=-0.168 H=0.028 F=15.7



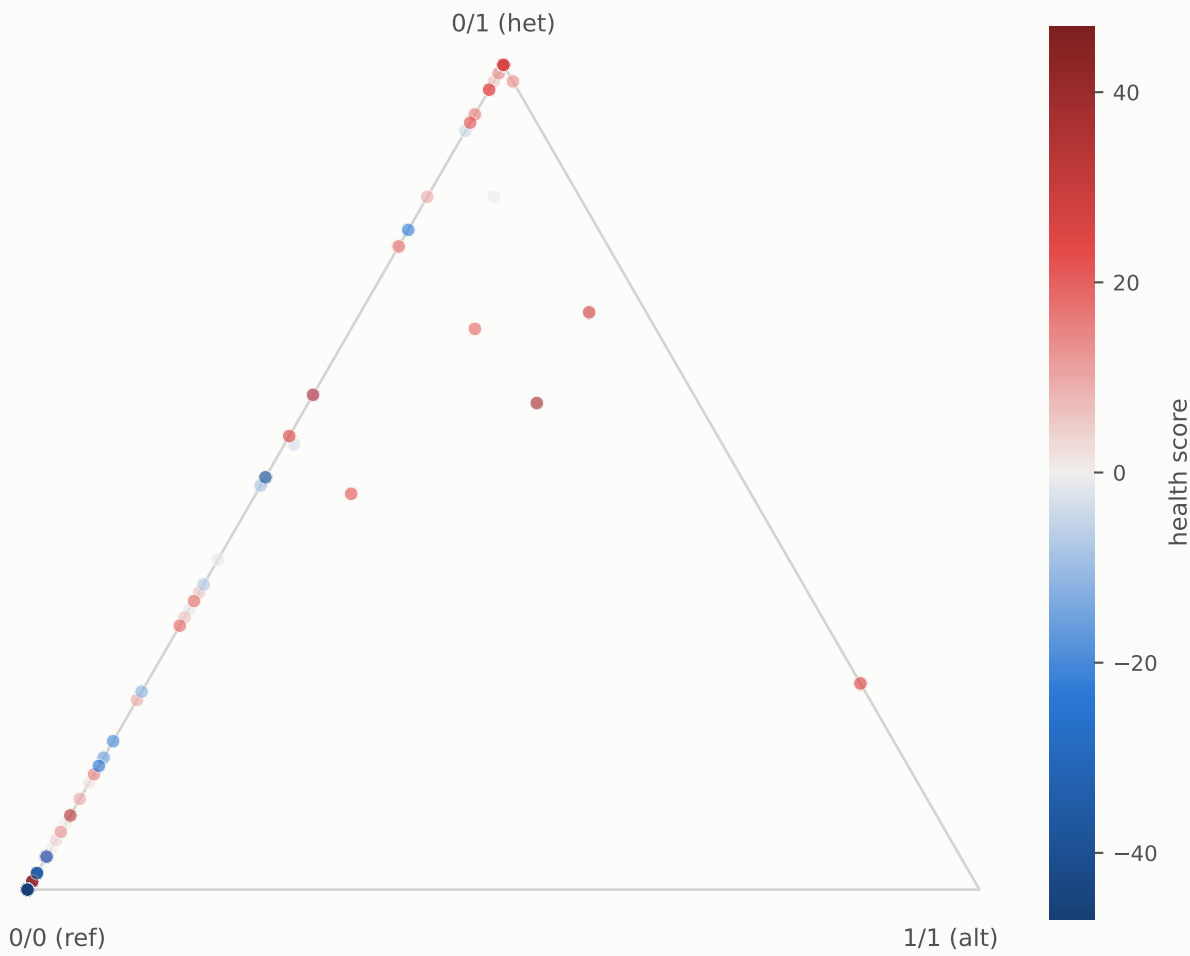
#194 by cluster health separation CHR_08:9,041,669 C>T
AF=0.025 DR2=0.82 r=-0.162 H=0.037 F=15.7



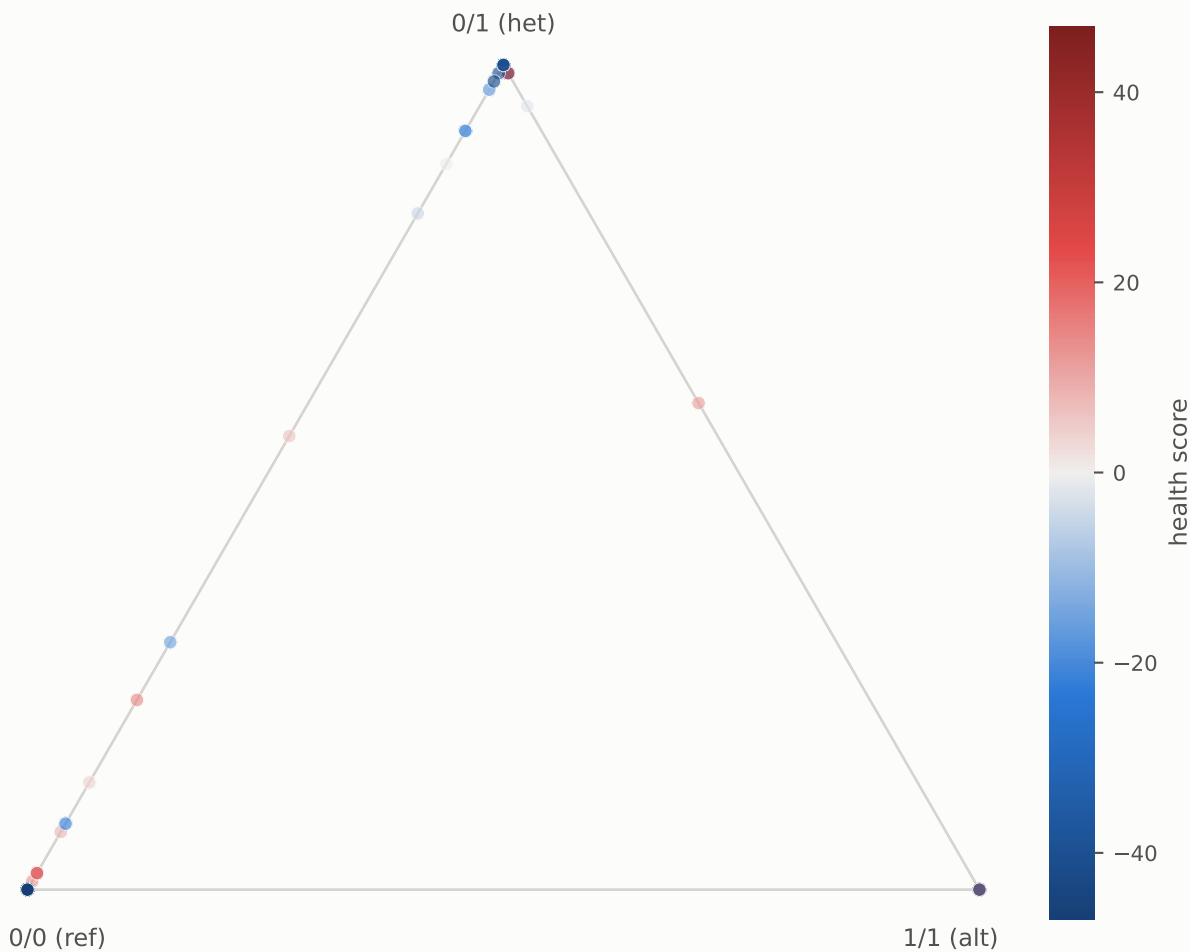
#195 by cluster health separation CHR_08:34,135,407 T>C
AF=0.07 DR2=0.97 r=+0.169 H=0.010 F=15.7



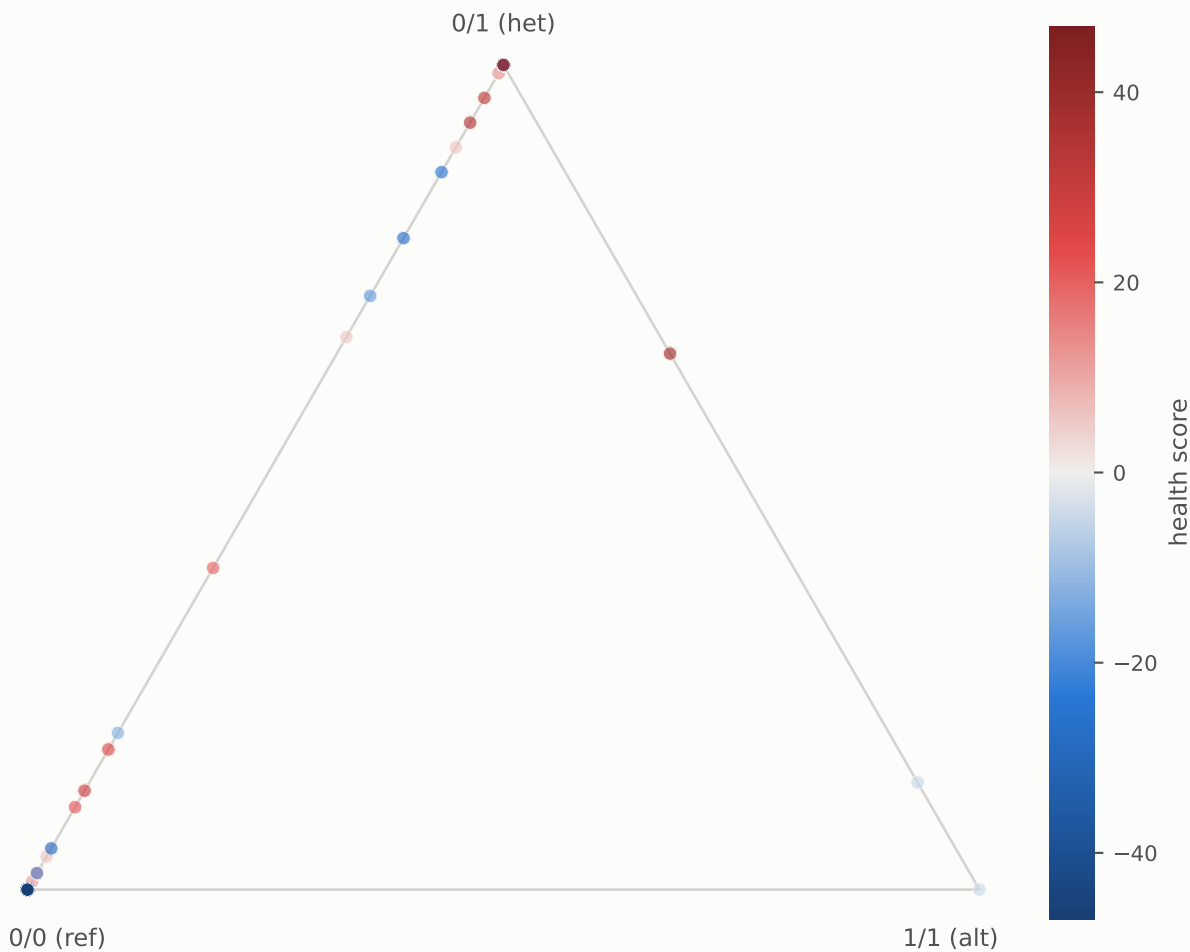
#196 by cluster health separation CHR_17:4,729,800 G>A
AF=0.057 DR2=0.83 r=+0.190 H=0.058 F=15.7



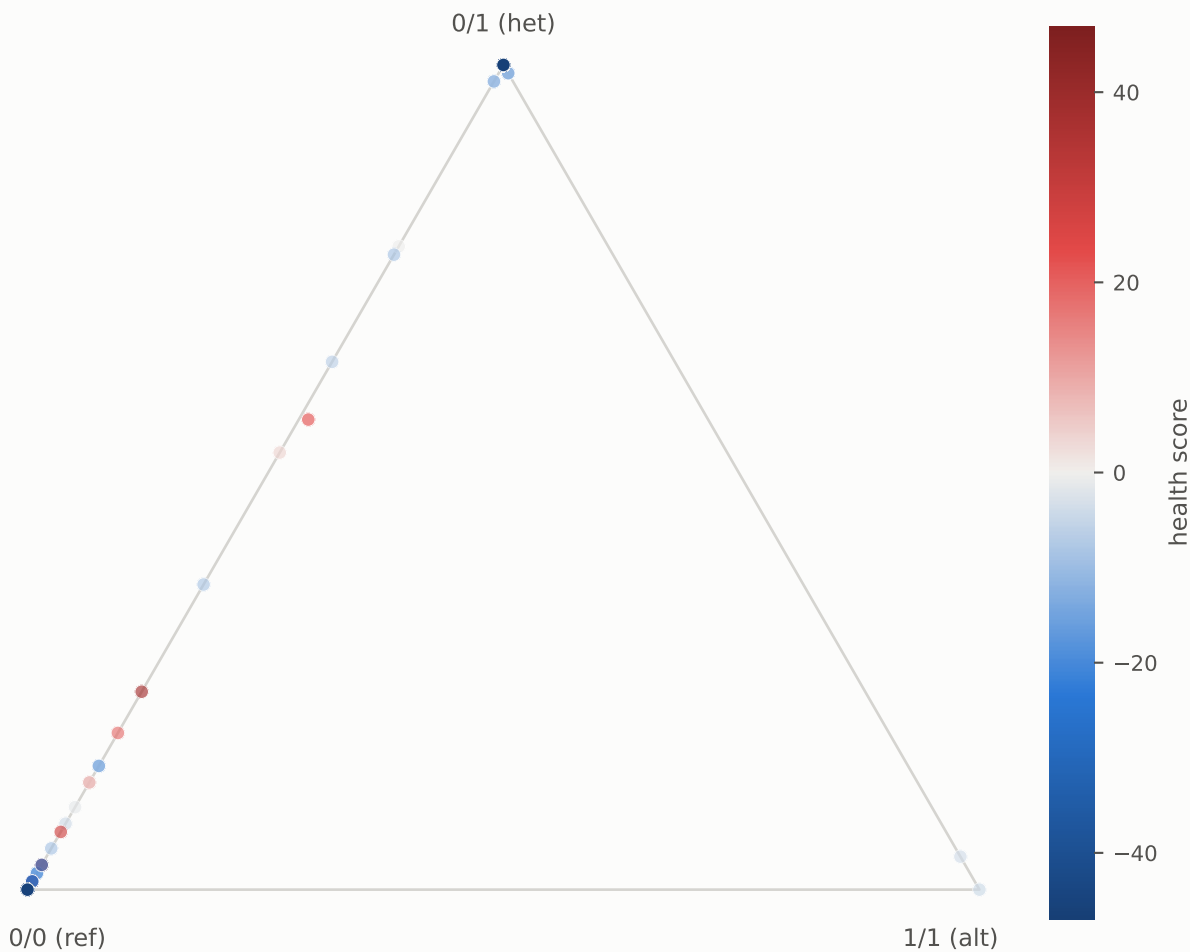
#197 by cluster health separation CHR_21:15,316,150 C>T
AF=0.07 DR2=0.96 r=-0.169 H=0.013 F=15.7



#198 by cluster health separation CHR_01:30,790,642 G>A
AF=0.078 DR2=0.96 r=+0.184 H=0.016 F=15.7



#199 by cluster health separation CHR_15:17,576,840 G>A
AF=0.06 DR2=0.94 r=-0.180 H=0.021 F=15.6



#200 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

