|   |                                      |             | frequency(symptom | llele) |
|---|--------------------------------------|-------------|-------------------|--------|
|   |                                      |             | 1sym_1snp_cauchy  |        |
|   | n17_rs934945_T                       | 0           |                   |        |
|   | n68_rs2585408_T                      | 0           |                   |        |
|   | n9_rs228669_T<br>n28_rs900144_C      | 0<br>1<br>0 |                   |        |
|   | n67_rs12368868_G                     | 1<br>0<br>1 |                   | -      |
|   | n58_rs17441402_T<br>n73_rs3027160_C  | 0<br>1<br>0 |                   |        |
|   | n64_rs11113153_T                     | 1<br>0<br>1 |                   |        |
|   | n38_rs1026071_G                      | 0           |                   |        |
|   | n69_rs2735611_G<br>n14_rs697690_C    | 0 1 0       |                   |        |
|   | n10_rs228688_T                       | 1<br>0<br>1 |                   |        |
|   | n31_rs10832020_C<br>n8_rs228666_C    | 0<br>1<br>0 |                   |        |
|   | n5_rs170631_G                        | 1<br>0<br>1 |                   |        |
|   | n83_rrs228697_G                      | 0           |                   |        |
|   | n84_rrs6858749_T<br>n6_rs875994_C    | 0<br>1<br>0 |                   |        |
|   | n82_rrs228730_A                      | 1<br>0<br>1 |                   |        |
|   | n33_rs11022762_T<br>n90_rrs7958822_A | 0<br>1<br>0 |                   |        |
|   | n37_rs10832027_G                     | 1 0         |                   |        |
|   | n12_rs10462018_T                     | 1<br>0<br>1 |                   |        |
|   | n93_rrs11071547_T<br>n48_rs969485_G  | 0<br>1<br>0 |                   |        |
|   | n87_rrs2070062_C                     | 1<br>0<br>1 |                   |        |
|   | n86_rrs11240_G<br>n23_rs1801260_G    | 0<br>1<br>0 |                   |        |
|   | n39_rs12421530_C                     | 1 0         |                   |        |
|   | n13_rs228692_A                       | 1<br>0<br>1 |                   |        |
|   | n18_rs2304669_C<br>n71_rs3027171_A   | 0<br>1<br>0 |                   |        |
|   | n49_rs11022783_A                     | 1<br>0<br>1 |                   |        |
|   | n51_rs7121611_T                      | 0           |                   |        |
|   | n34_rs7126796_C<br>n70_rs3027178_G   | 0<br>1<br>0 |                   |        |
|   | n16_rs4663866_C                      | 1<br>0<br>1 |                   |        |
|   | n56_rs2292910_A<br>n55_rs11038699_G  | 0<br>1<br>0 |                   |        |
|   | n53_rs2292913_A                      | 1<br>0<br>1 |                   |        |
|   | n32_rs11022761_T                     | 0           |                   |        |
|   | n11_rs228690_T<br>n27_rs13113518_C   | 0<br>1<br>0 |                   |        |
|   | n91_rrs922270_C                      | 1<br>0<br>1 |                   |        |
|   | n24_rs3792603_G<br>n66_rs10861688_T  | 0<br>1<br>0 |                   |        |
| り | n21_rs13002160_T                     | 1 0         |                   |        |
| Ū | n79_rs4795424_C                      | 0           |                   |        |
|   | n59_rs703829_T<br>n2_rs228729_T      | 0<br>1<br>0 |                   |        |
|   | n29_rs4414197_T                      | 1<br>0<br>1 |                   |        |
|   | n43_rs11022778_G<br>n89_rrs5443_T    | 0<br>1<br>0 |                   |        |
|   | n81_rrs2794664_A                     | 1<br>0<br>1 |                   |        |
|   | n80_rrs2797687_T                     | 0           |                   |        |
|   | n25_rs11133383_C<br>n63_rs12821586_A | 0<br>1<br>0 |                   |        |
|   | n85_rrs2412646_T                     | 1<br>0<br>1 |                   |        |
|   | n88_rrs6486120_T<br>n20_rs11894491_A | 0<br>1<br>0 |                   |        |
|   | n45_rs4757151_A                      | 1<br>0<br>1 |                   |        |
|   | n35_rs10766077_A                     | 0           |                   |        |
|   | n7_rs228682_C<br>n15_rs2640908_T     | 0 1 0       |                   |        |
|   | n76_rs2102928_T                      | 1<br>0<br>1 |                   |        |
|   | n57_rs3824872_A<br>n62_rs714359_A    | 0<br>1<br>0 |                   |        |
|   | n92_rrs4964057_G                     | 1<br>0<br>1 |                   |        |
|   | n50_rs17452383_G<br>n42_rs3789327_G  | 0<br>1<br>0 |                   |        |
|   | n77_rs2071427_T                      | 1<br>0<br>1 |                   |        |
|   | n41_rs1868049_T                      | 0           |                   |        |
|   | n61_rs11171856_C<br>n1_rs697680_A    | 0<br>1<br>0 |                   |        |
|   | n46_rs12363415_G                     | 1<br>0<br>1 |                   |        |
|   | n22_rs10462028_A<br>n26_rs11932595_G | 0<br>1<br>0 |                   |        |
|   | n74_rs4794826_T                      | 1<br>0<br>1 |                   |        |
|   | n72_rs2518023_T<br>n19_rs10462023_A  | 0 1 0       |                   |        |
|   | n65_rs3741892_C                      | 1 0         |                   |        |
|   | n60_rs11171846_T                     | 0           |                   |        |
|   | n75_rs883871_A<br>n47_rs11022781_A   | 0<br>1<br>0 |                   |        |
|   | n94_rrs3848543_T                     | 1<br>0<br>1 |                   |        |
|   | n54_rs11038698_C<br>n78_rs2269457_C  | 0 1 0       |                   |        |
|   | n30_rs7950226_A                      | 1<br>0<br>1 |                   |        |
|   | n52_rs7121775_C                      | 1<br>0<br>1 |                   |        |
|   | n3_rs11121023_A<br>n4_rs10864315_T   | 0 1 0       |                   |        |
|   | n40_rs2290036_C                      | 1<br>0<br>1 |                   |        |
|   | n36_rs7924734_G<br>n44_rs3816358_A   | 0<br>1<br>0 |                   |        |
|   |                                      | 1           |                   |        |

frequency(symptom | SNP allele)