**S1 Table. Distribution of the six significantly associated SNPs in 22 Great Danes.** All six SNPs (BICF2S23340470, BICF2G630473300, BICF2G630473617, BICF2G630473695, BICF2G630473702 and BICF2G630473744) show a perfect co-segregation with the phenotype.

|  |  |  |  |
| --- | --- | --- | --- |
| Status | Genotype | | |
|  | 1/1 | 1/2 | 2/2 |
| Affected | 0 | 0 | 9 |
| Obligate carrier | 0 | 3 | 0 |
| Unaffected | 3 | 7 | 0 |
| Total | 3 | 10 | 9 |