

The Genetics Committee has completed our retrospective and prospective analysis of the incidence of PSSM1 in the Rocky Mountain Herd. In 2016 our Committee focused on horses that currently are or will be in our breeding population. Two hundred retrospective analyses of DNA on file at UK identified an incidence of 0.0025. Miniscule considering the findings in other breeds. Our prospective study of 428 horses registered this year found two heterozygous animals. If you look at the totality of alleles this correlates with an incidence of 0.0023. The correlation between the retrospective and prospective studies is amazing. We have discontinued testing for PSSM1. In part because the current analysis is sound, and substantially because we are out of money. Our Committee wants to thank the Whittier Foundation, and specifically Natalie Hodges for their support of this endeavor. Honestly this study has no parallel in any other horse associations. Given public awareness it is likely most breeding animals will be tested for this gene.