





















PCA plot showing the first two principal components (PC1 and PC2) of 1000 random SNPs from the NC\_073253.2 region. The x-axis represents PC1 (13%) and the y-axis represents PC2 (10%). Points are colored by chromosome: 1 (blue), 2 (orange), 3 (green), and -3 (red). Vectors for CAA, CTA, ATC, and CAG are shown. Gene names CAA, CTA, ATC, and CAG are labeled near their respective vectors.

 NC\_073249.2  
 NC\_073252.2  
 NC\_073253.2  
 NC\_073254.2  
 NC\_073255.2  
 NC\_073256.2  
 NC\_073257.2  
 NC\_073258.2  
 NC\_073259.2  
 NC\_073260.2  
 NC\_073261.2  
 NC\_073262.2  
 NC\_073263.2  
 NC\_073264.2  
 NC\_073265.2  
 NC\_073267.2  
 NC\_073269.2  
 NC\_073272.2  
 NC\_085926.1  
 NC\_085927.1