Best K-means clustering plot 0 cluster 103 **54** 105 45 + -2 **-**PC1

PCA based on SNPs present in candidate structural variant 0.1 So21_10\So10_24 Sa21_10 Sa8_6 Sa6_8-Sa6_7 Sa8_12 So10_9 So21 20 302 So8_10_So21_11 0.0^{-} So10_30 So10_14 So21_8 So10_26 So21_26 So8_14 Sa21_12 Sa8_10 **Groups** So10_16 hom1 Sa21_5 So10_19 hz hom2 -0.1So10_25 So21 So10_5 So10 11 -0.2So8_15 So21_29 So6_6 So21_2 So10_23

0.1

0.0

PC1 (24.07 %)

0.2

PC2 (16.42 %)

-0.1

