Best K-means clustering plot •73 38 34 2 -116 95 40 65 84 cluster PC2 59 47 • 22 -2 **-**PC1

PCA based on SNPs present in candidate structural variant 0.2 So8_7 **S**08_5 So10_27 So10 23 So21_21 So10 29 0.1 So10_26 So6_4 So6 5 So10_20 So21_11 So21 1 So8 4 So21_12 So6 7 So10 13 So10 19 So10 **S**o6 2 (4.15%)**\$**08_15 Sa24_2 So21_24_So10_0 **Groups** So8_11 So21_15 So21_4 hom1 0.0 Sa21_20 So21_27 hz PC2 hom2 Sa21_1 Sa6_8 Sa8_3 Sa21_11 So21 5 Sa21_10 Sa21_17 Sa21_1 Sa21_4 Sa8_1 Sa21_7 So21_17 Sa8_2 Sa24_1 **S**a21_9 -0.1Sa21_6 Sa6_1 Sa8_8 Sa6_7 So10_11 \$a21_15 Sa6_6 Sa8_10 Sa6_4 Sa21_16 -0.2Sa21_ -0.2-0.10.0 0.1 PC1 (23.15 %)

