





















PCA plot showing genetic variation across three principal components (PC1, PC2, PC3). The plot includes sample labels, a color-coded legend for chromosome groups, and arrows indicating the direction of selection for specific genes (CCT, GCC, CCC, TTA, GGG).

Legend:

- 1::NC_085926.1:195330324-195344922(-)
- 2::NC_073252.2:182691084-182707728(+)
- 3::NC_073253.2:175138052-175157858(+)
- 1::NC_073255.2:5417109-5429473(-)
- 2::NC_073256.2:160452803-160474382(-)
- 3::NC_073257.2:144829198-144851365(-)
- 1::NC_073258.2:133770660-133784037(+)
- 2::NC_073259.2:53665422-53676795(-)
- 3::NC_073260.2:1800275-1811402(+)
- 1::NC_073261.2:124529242-124539751(-)
- 2::NC_073262.2:829581-841455(+)
- 3::NC_073263.2:97611663-97611663(+)
- 1::NC_073264.2:106655927-106666913(-)
- 2::NC_073265.2:31934332-31944568(+)
- 3::NC_073266.2:175145835(+)
- 1::NC_073267.2:190511905-190511905(+)
- 2::NC_073268.2:182690975-182707829(-)
- 3::NC_073269.2:13913131-13935868(-)
- 1::NC_073270.2:182690975-182707829(-)
- 2::NC_073271.2:182690975-182707829(-)
- 3::NC_073272.2:2115597-2126412(-)
- 1::NC_073273.2:182690975-182707829(-)
- 2::NC_073274.2:182690975-182707829(-)
- 3::NC_073275.2:182690975-182707829(-)
- 1::NC_073276.2:182690975-182707829(-)
- 2::NC_073277.2:182690975-182707829(-)
- 3::NC_073278.2:182690975-182707829(-)
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- 2::NC_073280.2:182690975-182707829(-)
- 3::NC_073281.2:182690975-182707829(-)
- 1::NC_073282.2:182690975-182707829(-)
- 2::NC_073283.2:182690975-182707829(-)
- 3::NC_073284.2:182690975-182707829(-)
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- 1::NC_0

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 NC_073272.2
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 NC_085927.1