

PCA plot showing the first two principal components (PC1 and PC2) for 1000 random SNPs. The x-axis is PC1 (11.1%) and the y-axis is PC2 (11.1%). The plot displays various colored points representing different SNPs, with labels for each. A central cluster of points is highlighted with arrows pointing to the labels TGG, CAG, GTG, and CCG.

Key SNPs and their coordinates (PC1, PC2):

- 1::NC\_071997.2:124426565-124445297(-)
- 1::NC\_072009.2:5151678-5162256(+)
- 1::NC\_072009.2:5526146-5536157(-)
- 3::NC\_071991.2:10728791-10738901(+)
- 2::NC\_072009.2:5150008-5161756(+)
- 1::NC\_072005.2:43253046-43276110(-)
- 1::NC\_071996.2:81199781-81217019(-)
- 3::NC\_072009.2:5518041-5536239(-)
- 2::NC\_072001.2:32345332-32357440(-)
- 2::NC\_071999.2:25335868-25347427(+)
- 3::NC\_071990.2:32357606(-)
- 3::NC\_071985.2:1983993-2005302(-)
- 1::NC\_071989.2:87308859-87319392(+)
- 1990.2:23816269-23827528(-)
- NC\_071990.2:23816625-23827563(-)
- 3::NC\_071997.2:124426586-124445267(+)
- 1::NC\_071991.2:10680756-10703067(+)
- 2::NC\_072009.2:5518024-5533807(-)
- 1::NC\_072005.2:8984121-9000780(-)
- 2::NC\_071999.2:108928513-108949510(-)
- 2::NC\_071997.2:124426603-124445278(+)
- 2::NC\_072008.2:162571341-162581601(-)
- 2::NC\_071985.2:98317273-98328352(+)
- 2::NC\_071997.2:105215956-105232720(-)
- 1996.2:144423375-144433509(+)
- 1::NC\_072000.2:3560-13805(-)
- 2::NC\_071994.2:12196426-12214498(+)
- 2::NC\_071996.2:144422803-144433750(+)
- 1::NC\_072008.2:162571335-162581727(+)
- 2::NC\_071994.2:914734-929251(-)
- NC\_071991.2:12251345-12263321(+)
- 1::NC\_072008.2:162571354-162581602(+)
- 1::NC\_072000.2:3555-13788(+)
- 3::NC\_072008.2:162571334-162581726(-)
- 1::NC\_072001.2:45618626-45628863(+)
- 3::NC\_071991.2:10575524-10586687(+)
- 2::NC\_071995.2:38089258-38100541(+)
- 1::NC\_071991.2:10506161-10650531(+)
- 2::NC\_071991.2:12251383-12263269(+)
- 2::NC\_072003.2:688180-698353(+)
- 1::NC\_072005.2:43253085-43276101(+)
- 2::NC\_071994.2:106849-1113430(+)
- 1::NC\_072005.2:18481428-18492363(-)
- 1::NC\_072000.2:109452248-109468637(-)
- 3::NW\_026946741.1:52709-63428(+)
- 1::NC\_072003.2:6034113-6045801(+)
- 1::NC\_071997.2:124426569-124437249(+)
- 2::NC\_071994.2:1161730-1175959(+)
- 2::NC\_072003.2:87876184-87888148(+)
- 2::NC\_071994.2:1002610-1013347(+)
- 2::NC\_071990.2:23816662-23827555(+)
- 2::NC\_071997.2:124426561-124445485(-)
- 2::NC\_071992.2:160359343-160372684(+)
- 3::NC\_071992.2:160359319-160379362(-)
- 2::NC\_072005.2:43253116-43276084(+)

- NC\_071985.2
- NC\_071989.2
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- NC\_072005.2
- NC\_072008.2
- NC\_072009.2
- NW\_026946741.1