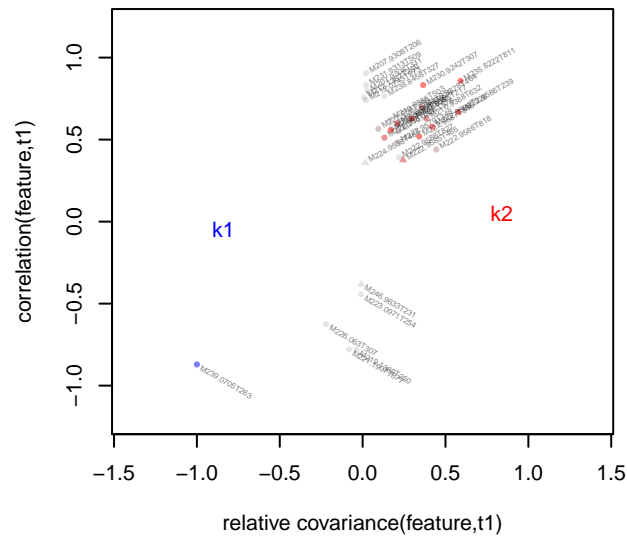
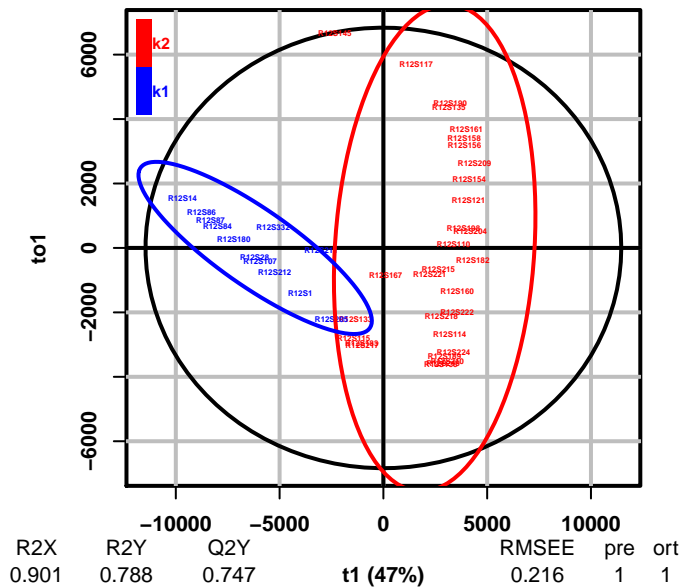


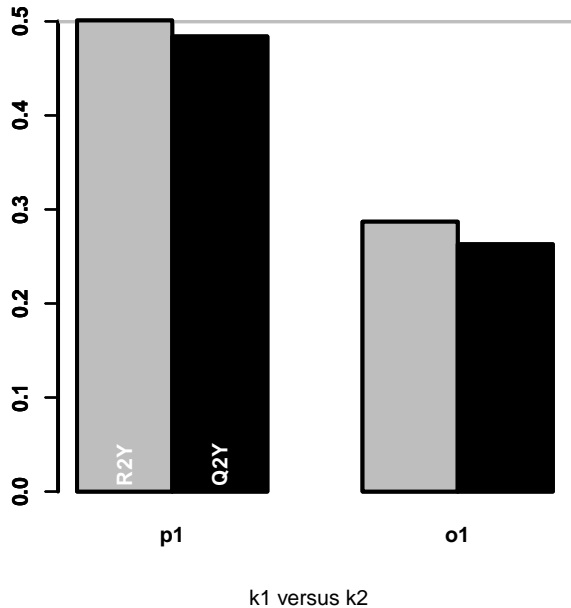
Significantly contrasting features for level k1 versus k2



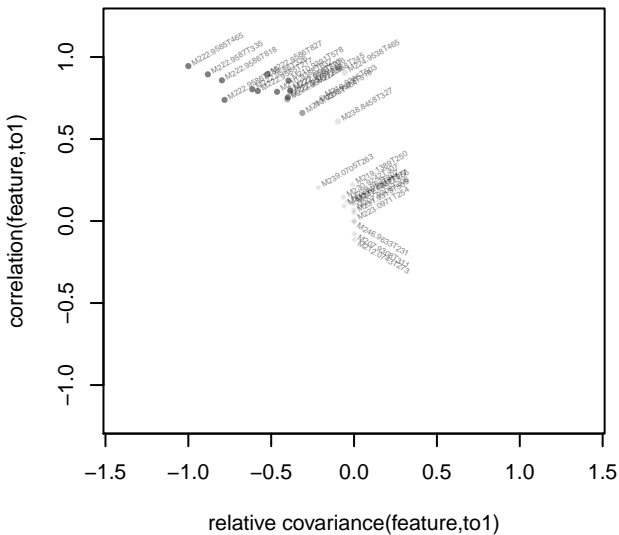
Scores (OPLS-DA)



Model overview

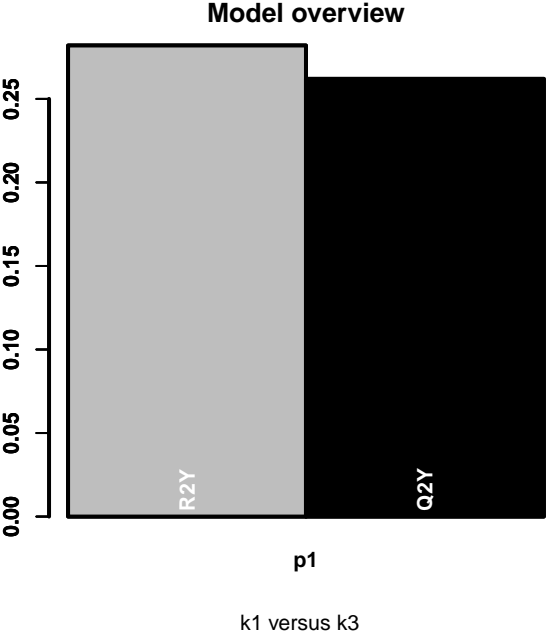


Features influencing orthogonal projection for k1 versus k2

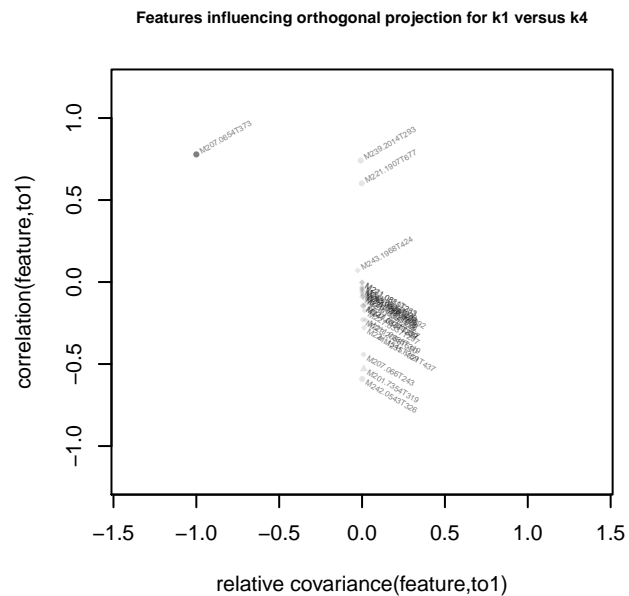
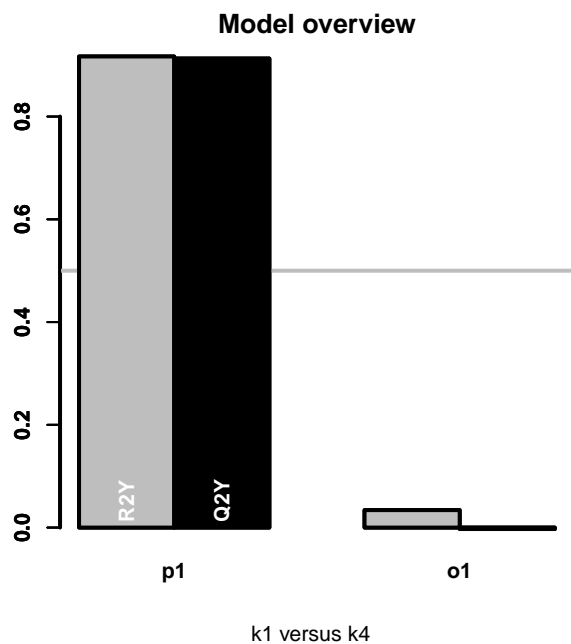
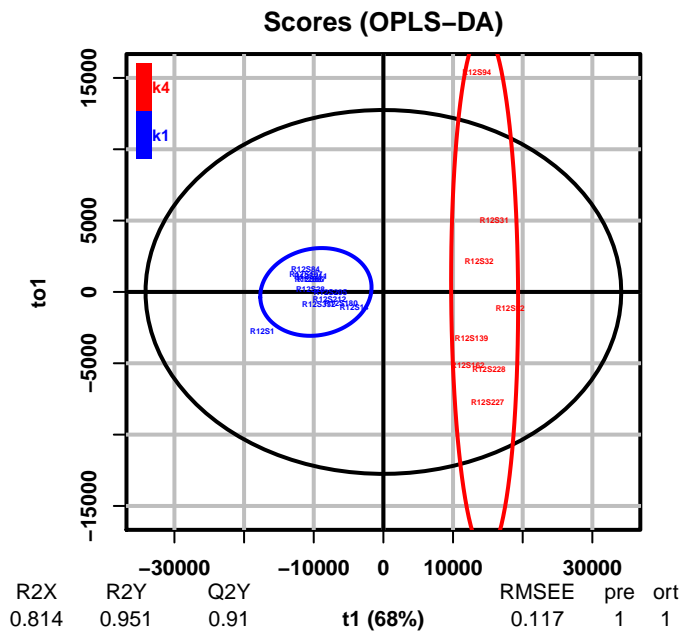
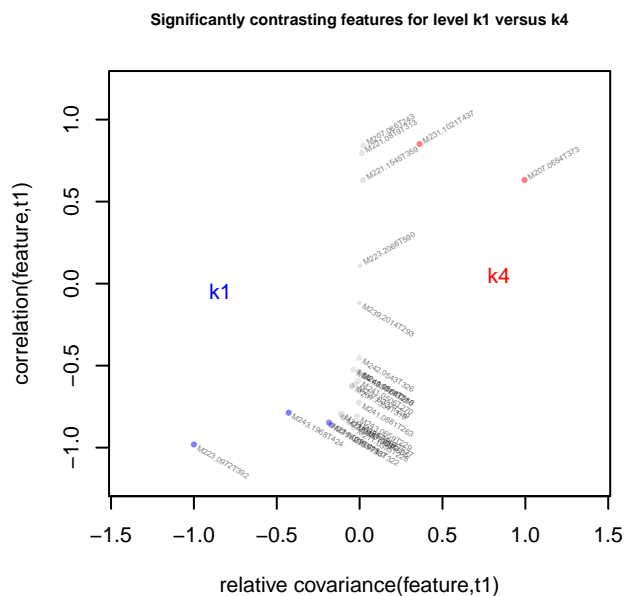


too few covariance data

no orthogonal projection is possible



no orthogonal projection is possible



A scatter plot showing the relationship between the relative covariance of a feature with t_1 (x-axis) and the correlation of that feature with t_1 (y-axis). The x-axis is labeled 'relative covariance(feature_i, t1)' and ranges from -1.5 to 1.5. The y-axis is labeled 'correlation(feature_i, t1)' and ranges from -1.0 to 1.0. The plot displays a large number of data points, each representing a feature, labeled with IDs such as M001, M002, ..., M1000. The features are clustered into two main groups: a blue cluster labeled 'k2' on the left (negative relative covariance) and a red cluster labeled 'k3' on the right (positive relative covariance). The blue cluster 'k2' is centered around (-0.5, -0.5) and contains many points with negative relative covariance and negative correlation. The red cluster 'k3' is centered around (1.0, 0.8) and contains points with positive relative covariance and positive correlation. There are also some points scattered in the upper left quadrant, such as M041, M042, M043, M044, M045, M046, M047, M048, M049, M050, M051, M052, M053, M054, M055, M056, M057, M058, M059, M060, M061, M062, M063, M064, M065, M066, M067, M068, M069, M070, M071, M072, M073, M074, M075, M076, M077, M078, M079, M080, M081, M082, M083, M084, M085, M086, M087, M088, M089, M090, M091, M092, M093, M094, M095, M096, M097, M098, M099, M1000.

Allele	R2Y	Q2Y
p1	0.82	0.80
o1	0.08	0.07

