a

PC 3 (8.15% of variance)

PC 2 (17.61% of variance)

PC 1 (35.53% of variance)

b

PC 3 (12.27% of variance)

PC 2 (14.08% of variance)

PC 1 (43.81% of variance)

- ● MG
- ● MGAdp
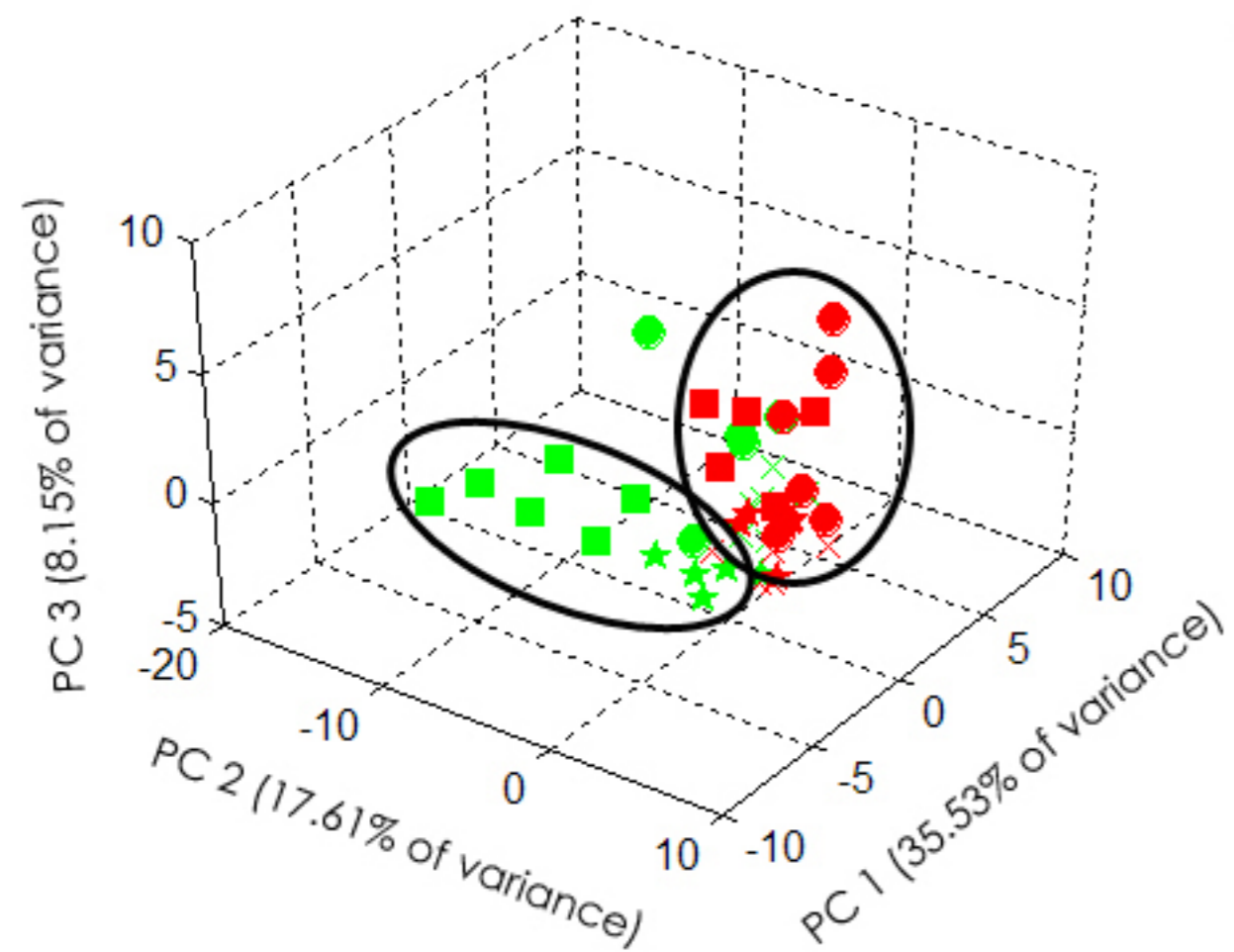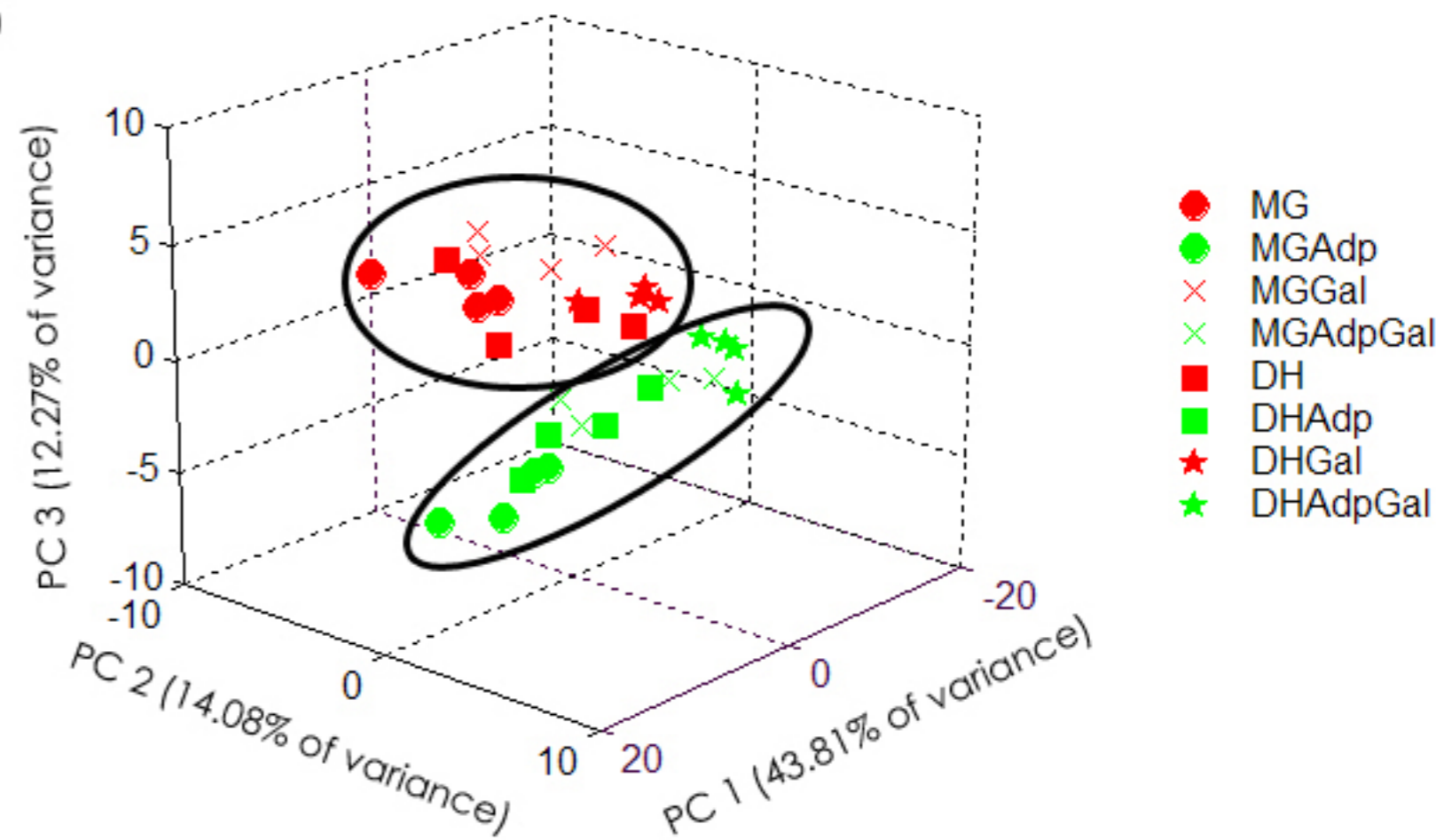- × MGGal
- × MGAdpGal
- ■ DH
- ■ DHAdp
- ★ DHGal
- ★ DHAdpGal

Additional data file 7

PCA analyses of both the ancestors and evolved lines of both the strains grown in two different media. Each data-point represents an experimental sample plotted using the first three principal components. PCA was carried out on the log transformed mean-centred data matrix using all identified metabolites and the genes with $P \leq 0.05$ (Student t-test) in at least one strain. Values given for each component in parentheses represents the percentage of variance.