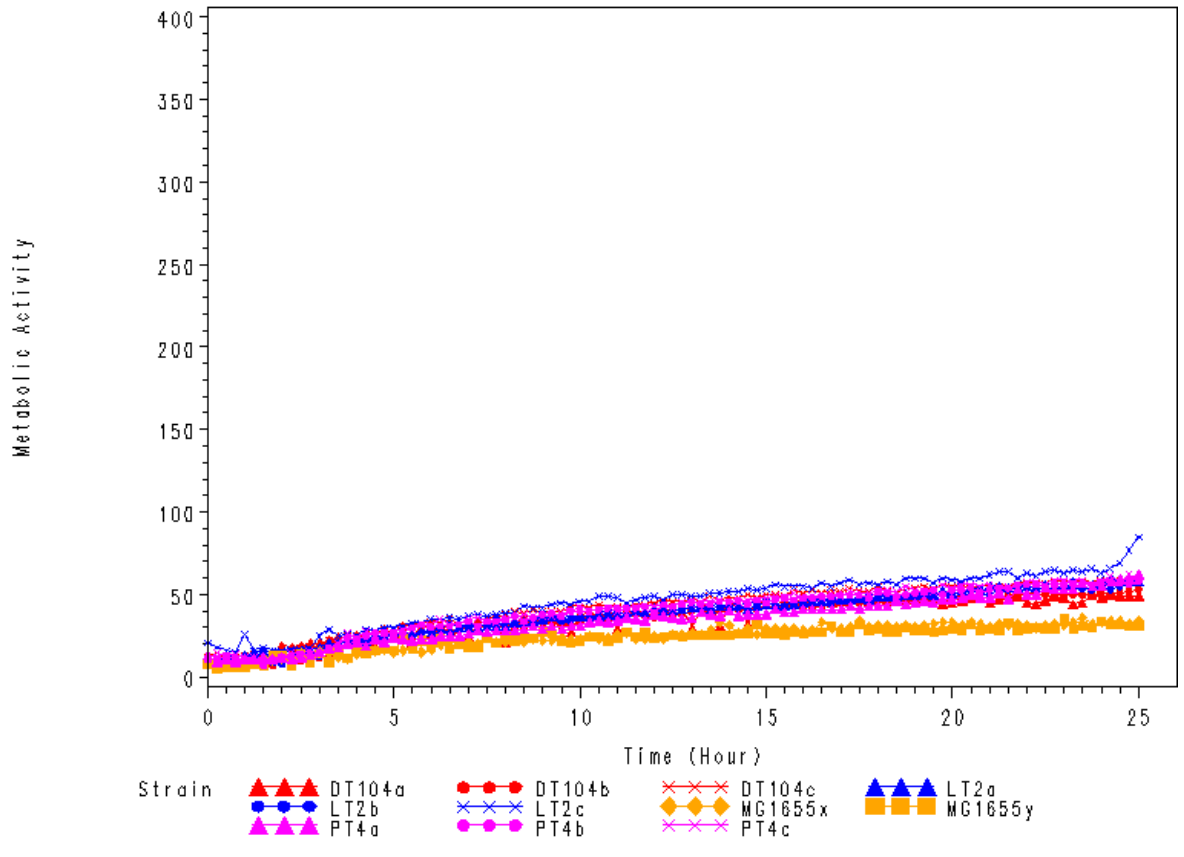
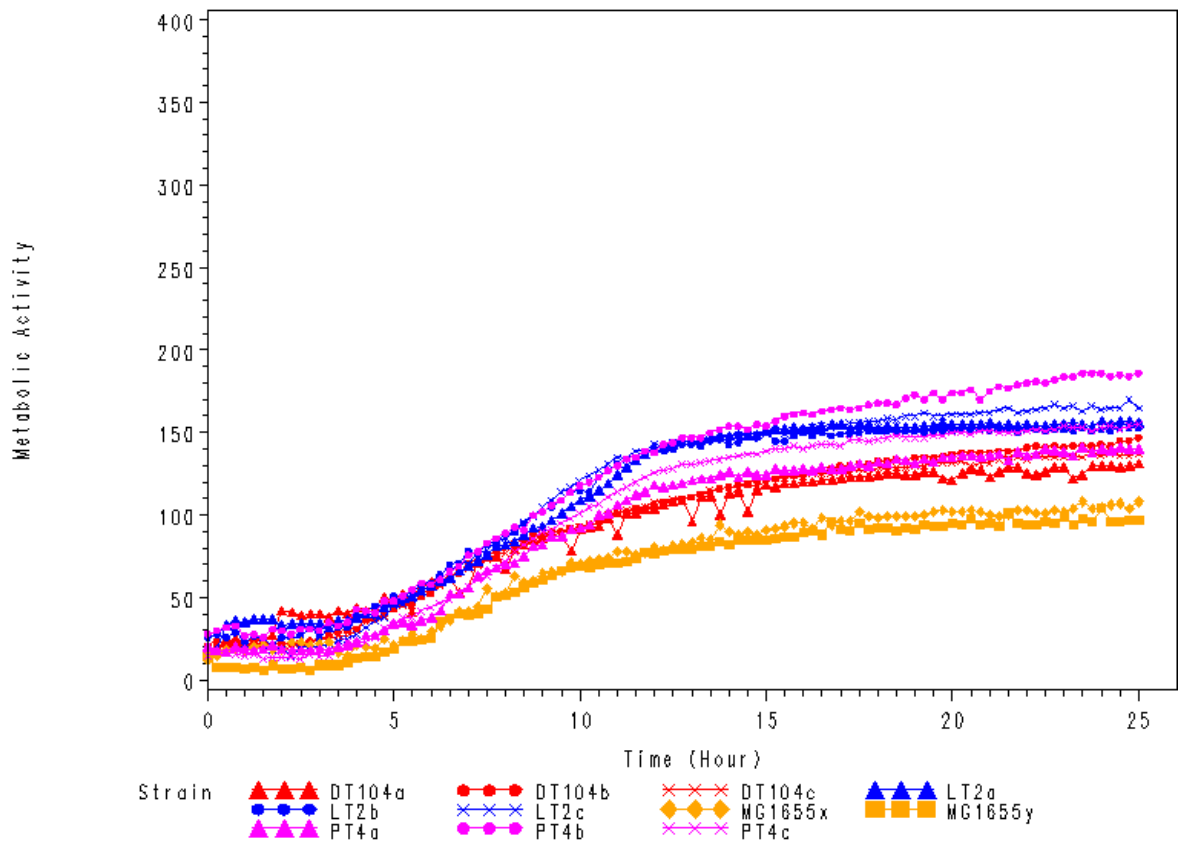
Kinetic Data of Carbon Source Utilisation

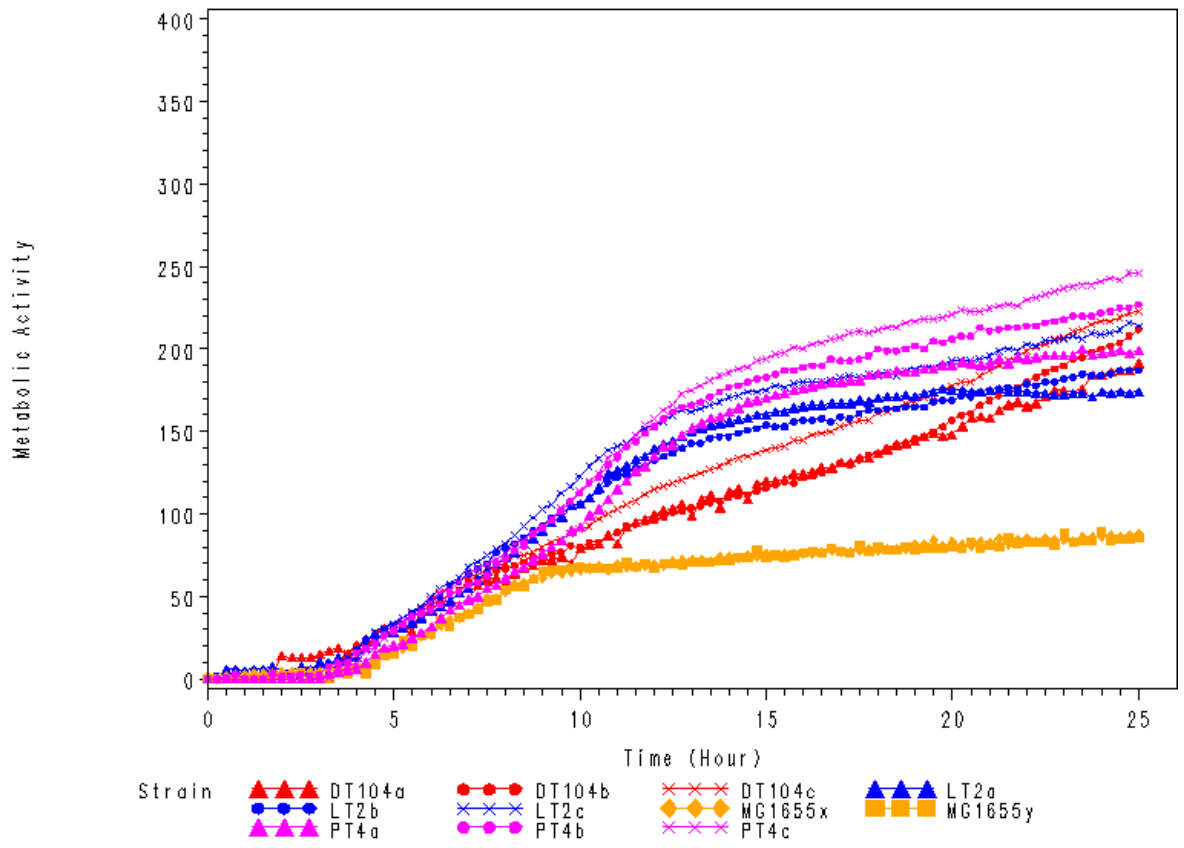
PM01, A01 (Negative Control)

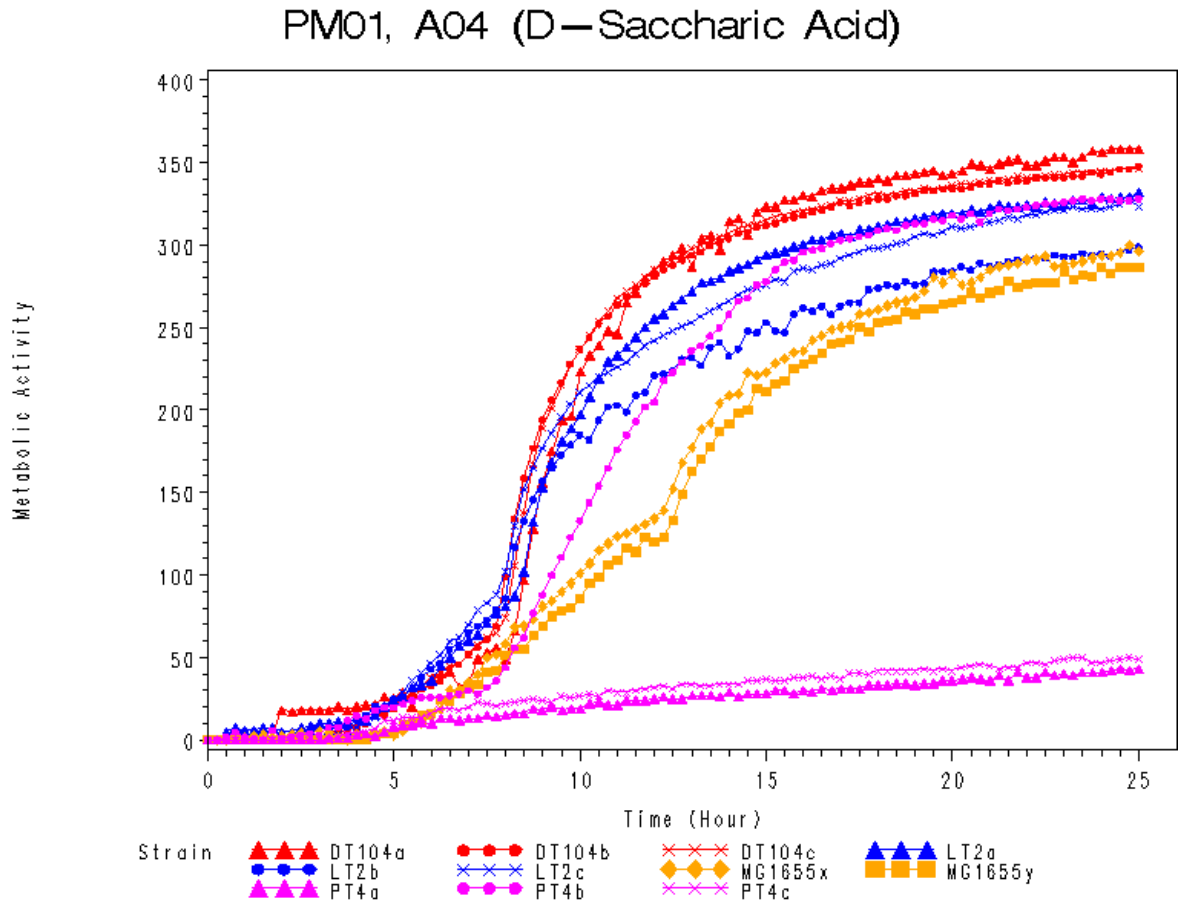


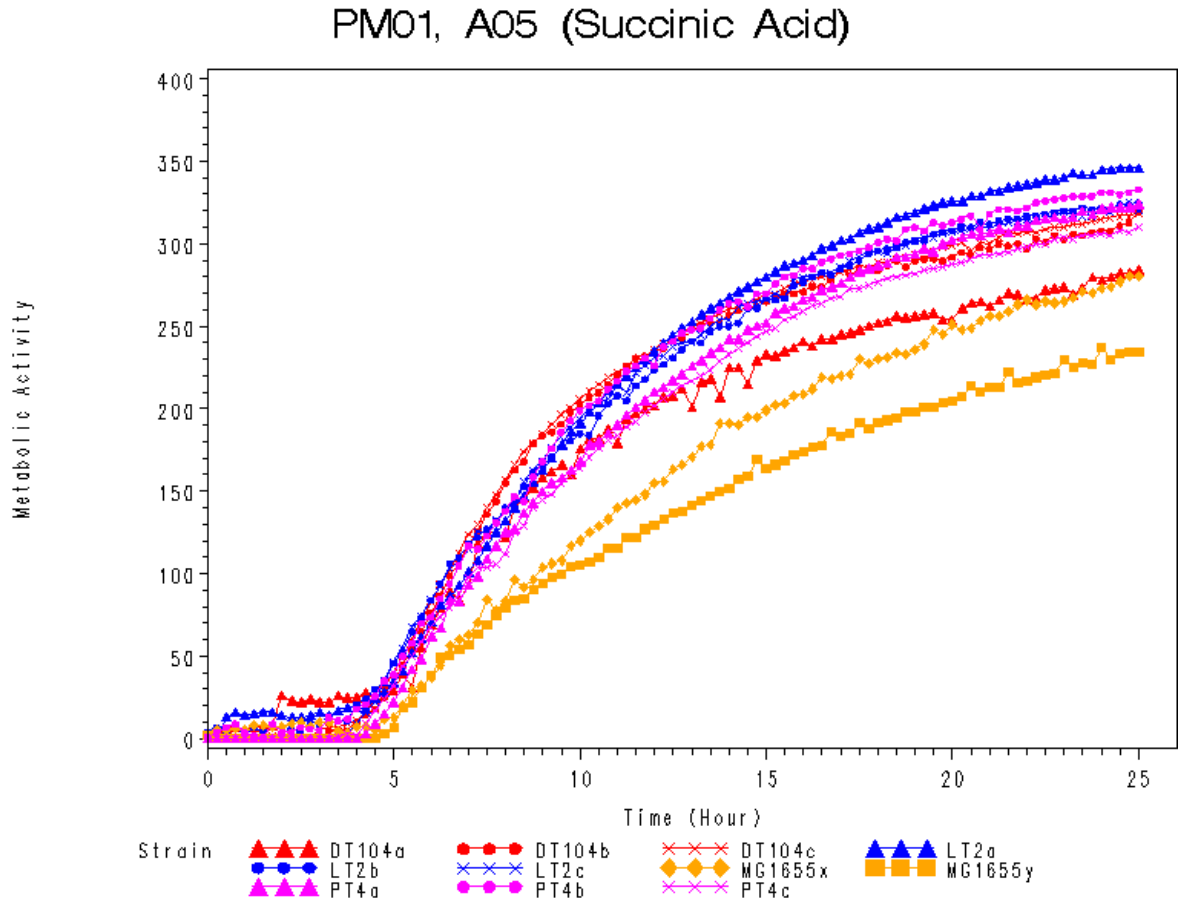
PM01, A02 (L—Arabinose)



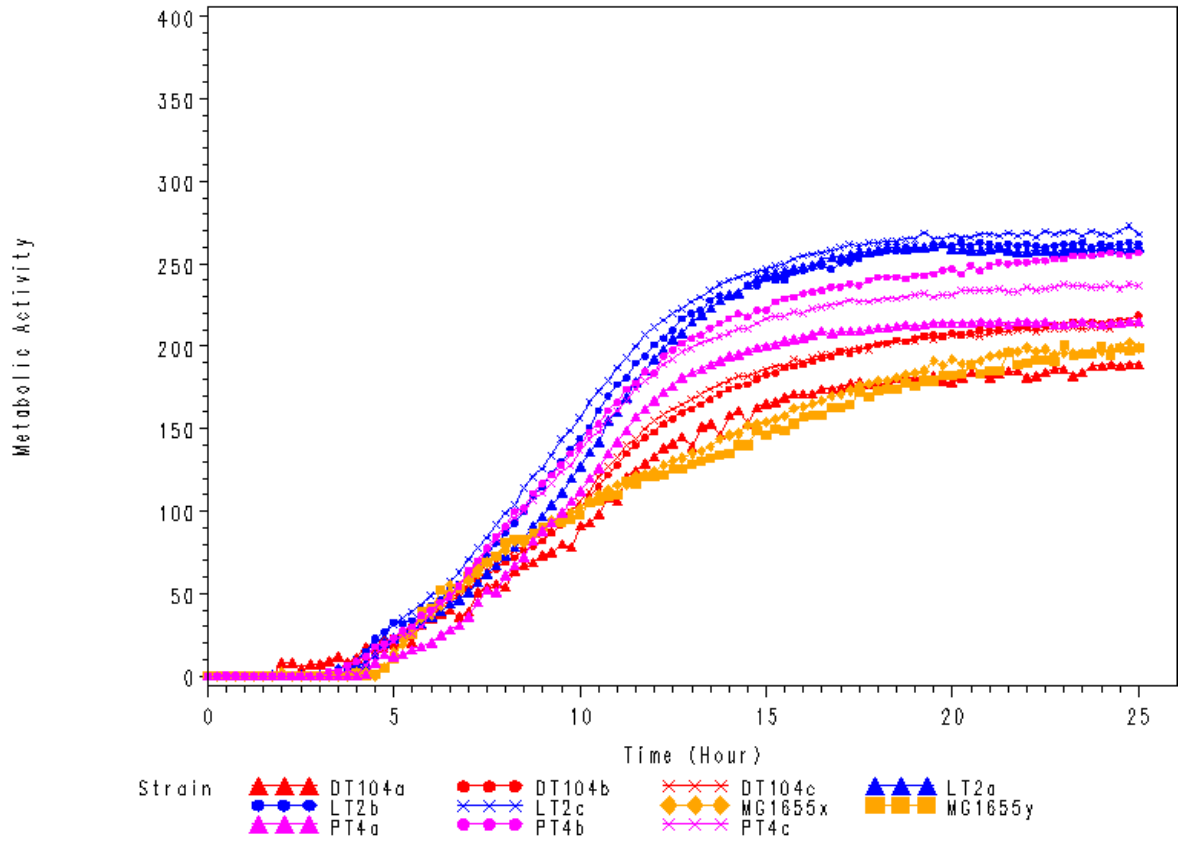
PM01, A03 (N—Acetyl—D—Glucosamine)

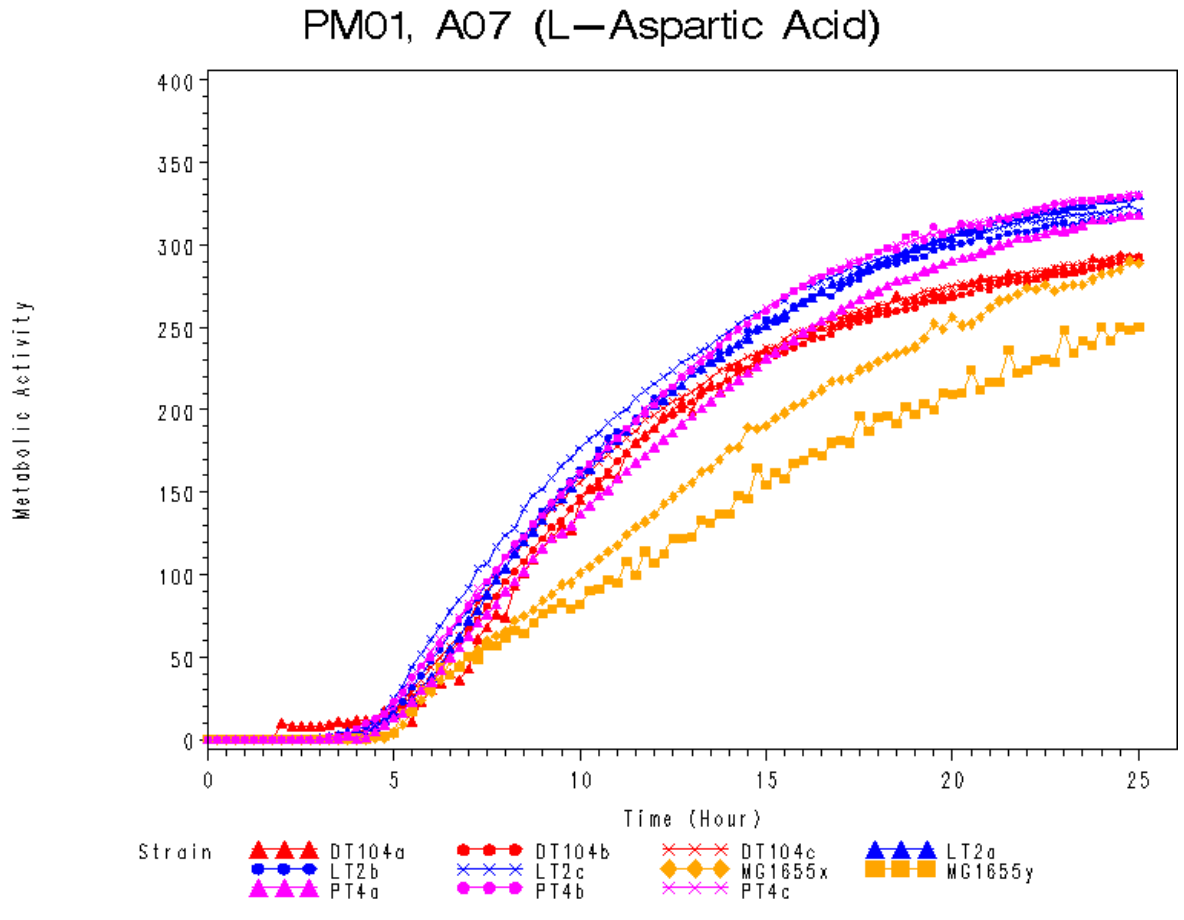


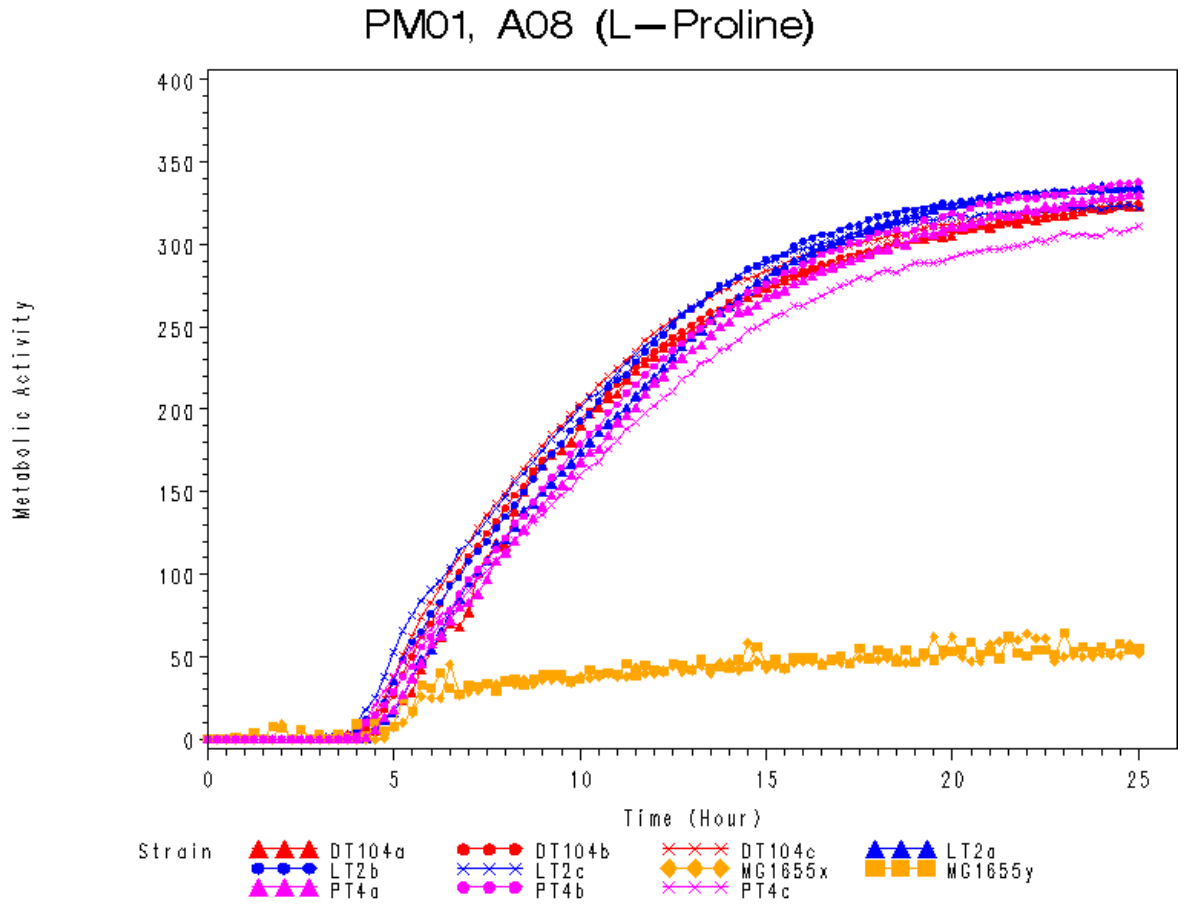


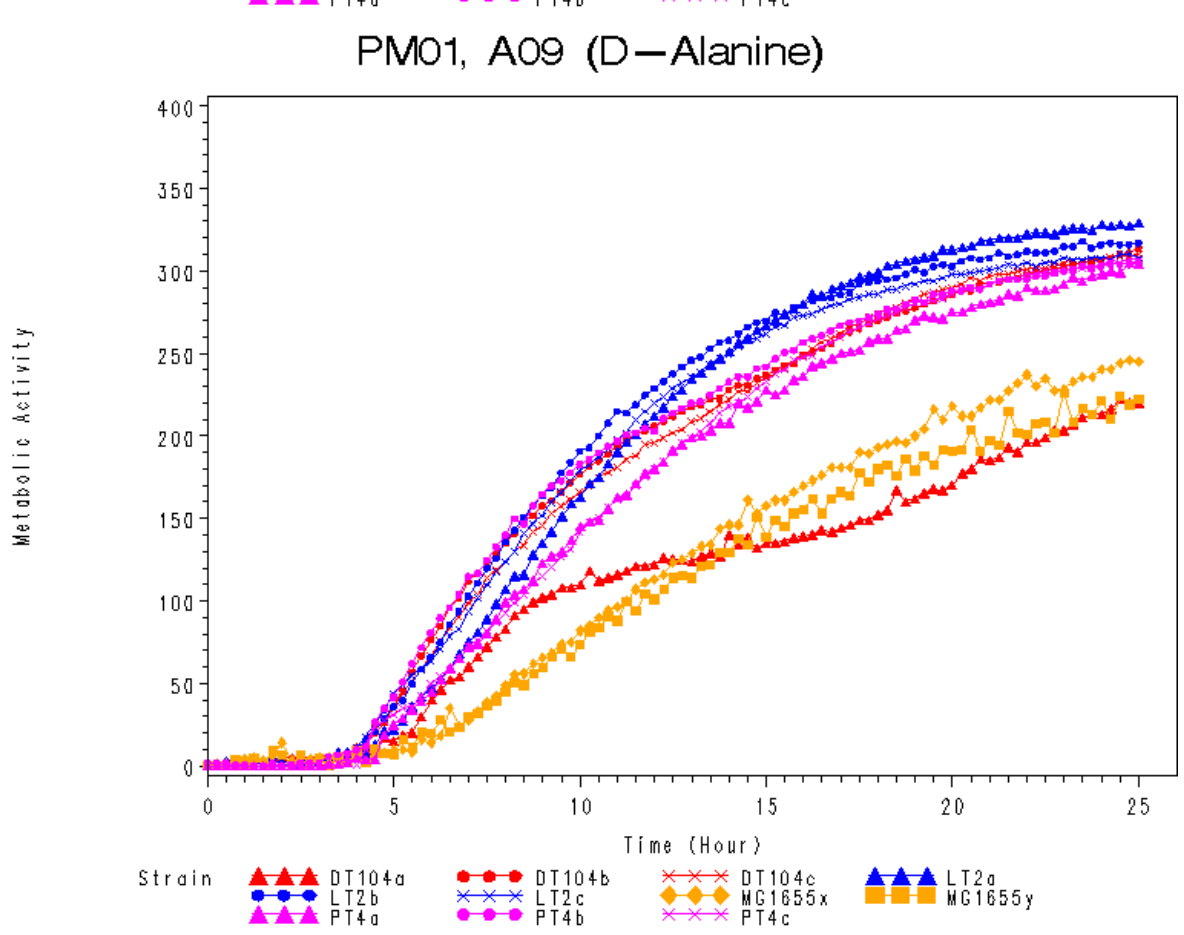


PM01, A06 (D—Galactose)

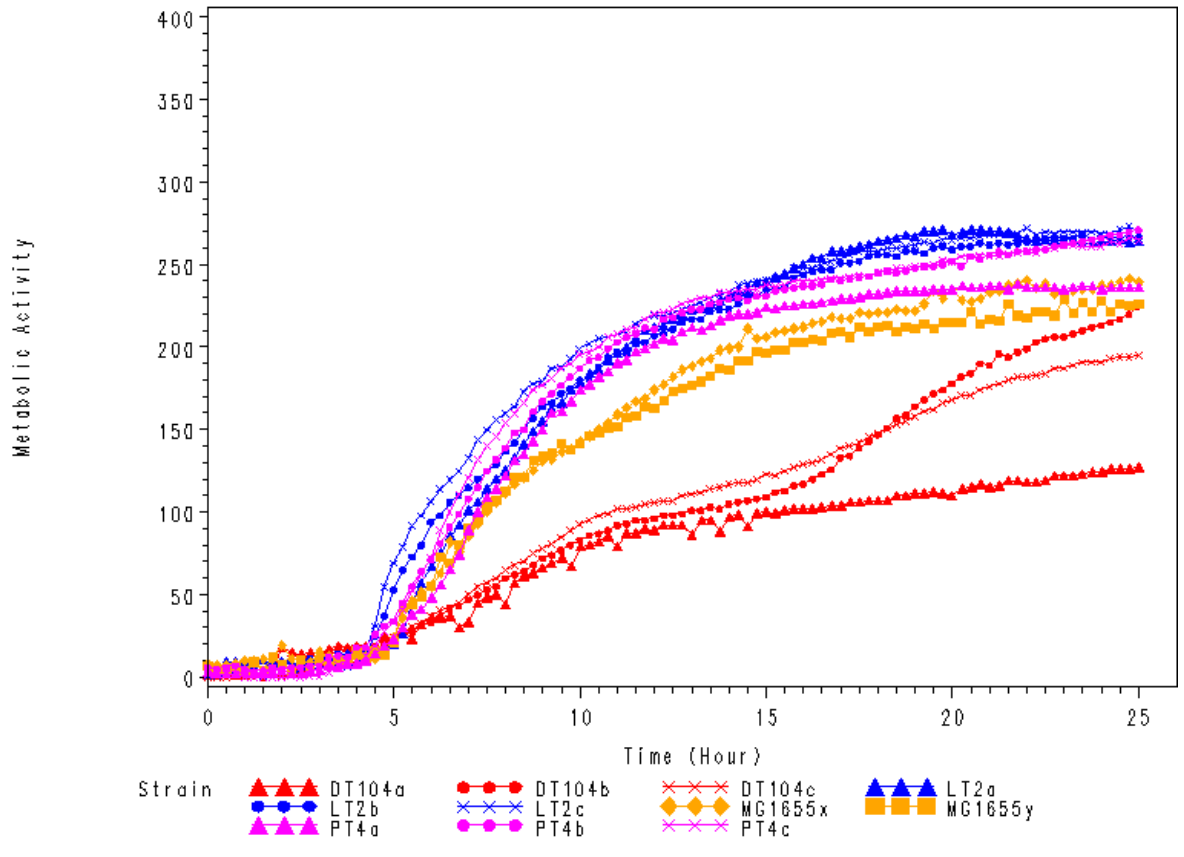



PM01, A07 (L—Aspartic Acid)
Metabolic Activity
400
350
300
250
200
150
100
50
0
0
5
10
15
20
25
Time (Hour)
Strain
DT104a
LT2b
PT4a
DT104b
LT2c
PT4b
DT104c
MG1655x
PT4c
LT2a
MG1655y

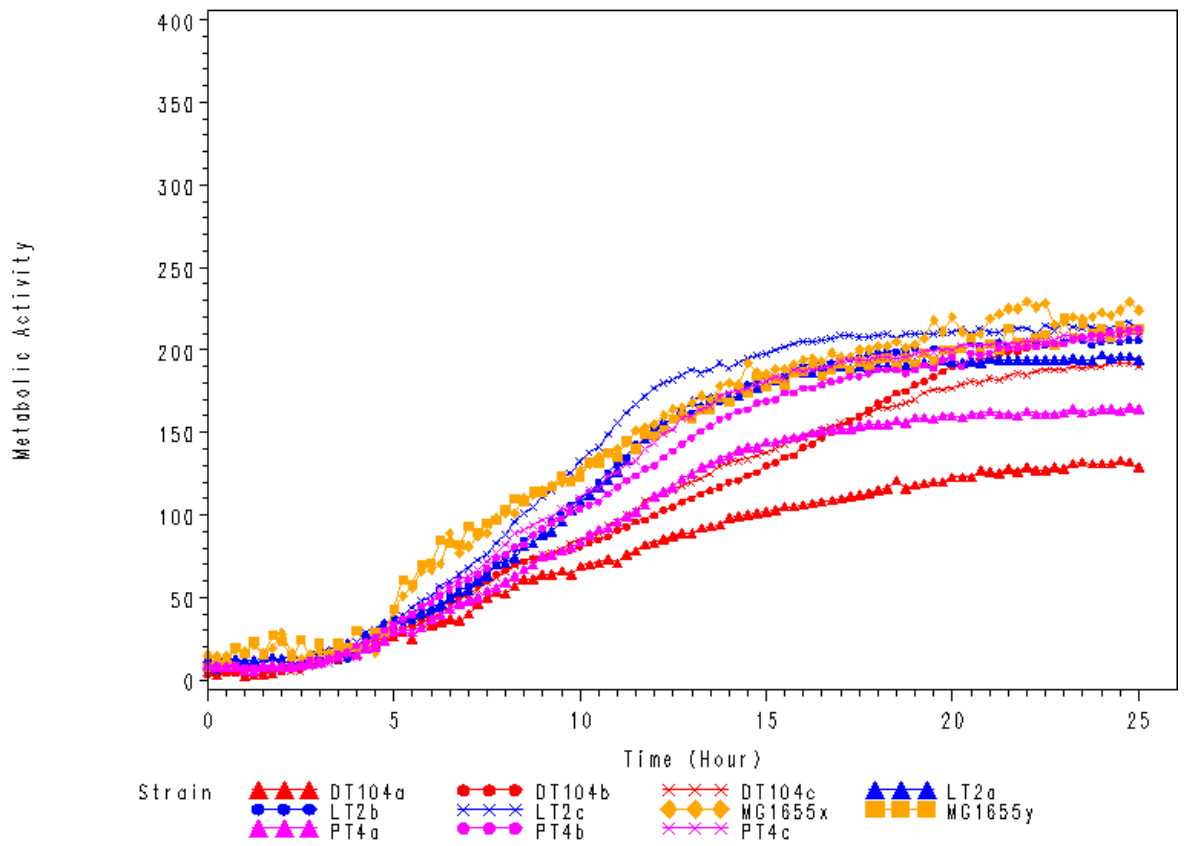

PM01, A08 (L—Proline)
Metabolic Activity
400
350
300
250
200
150
100
50
0
0
5
10
15
20
25
Time (Hour)
Strain
DT104a
LT2b
PT4a
DT104b
LT2c
PT4b
DT104c
MG1655x
PT4c
LT2a
MG1655y


PM01, A09 (D—Alanine)
Metabolic Activity
400
350
300
250
200
150
100
50
0
0
5
10
15
20
25
Time (Hour)
Strain
DT104a
LT2b
PT4a
DT104b
LT2c
PT4b
DT104c
MG1655x
PT4c
LT2a
MG1655y

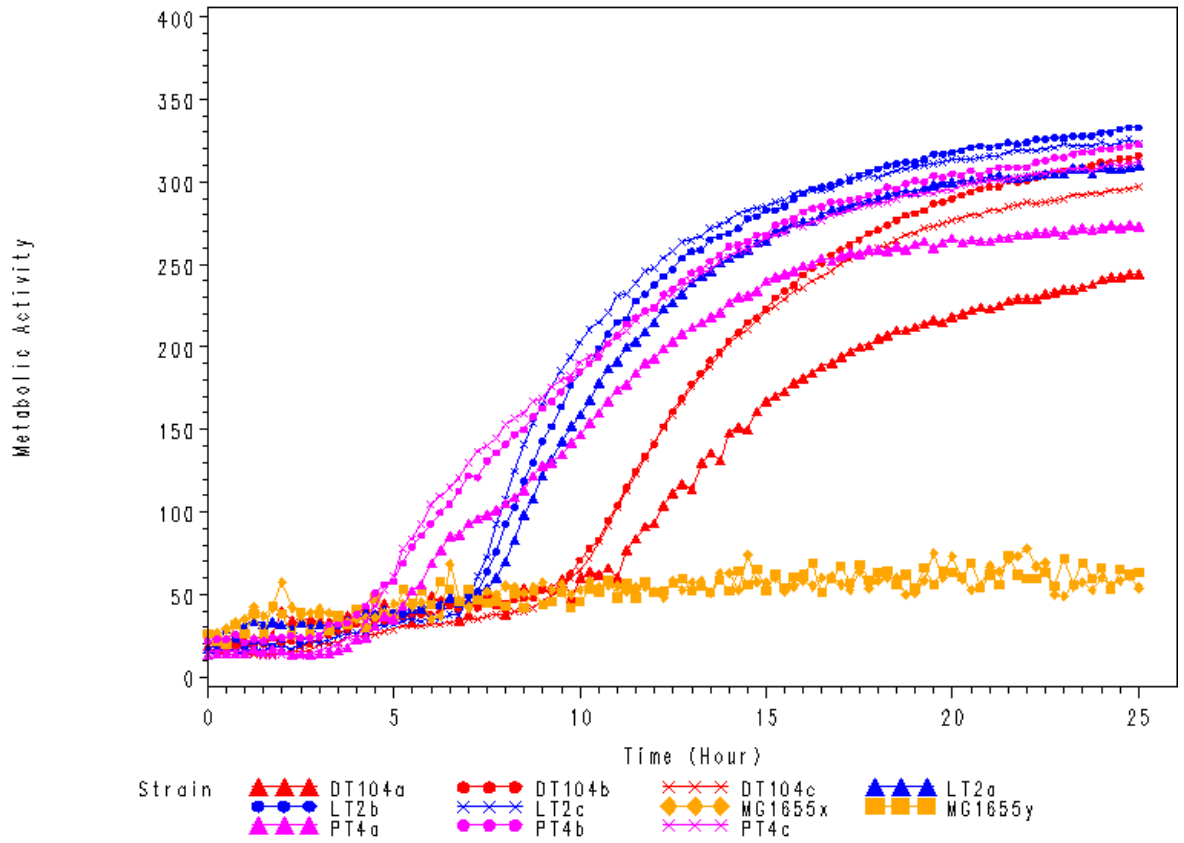
PM01, A10 (D-Trehalose)

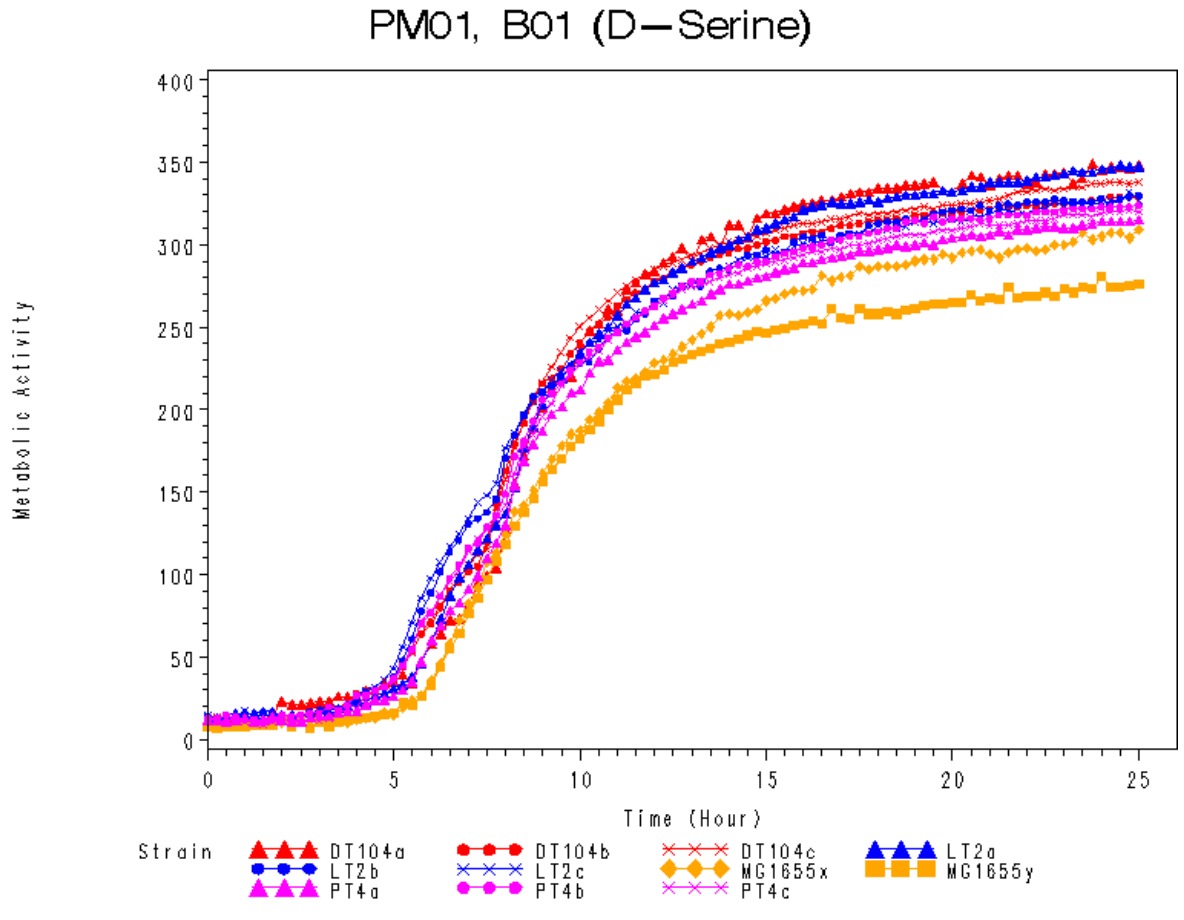


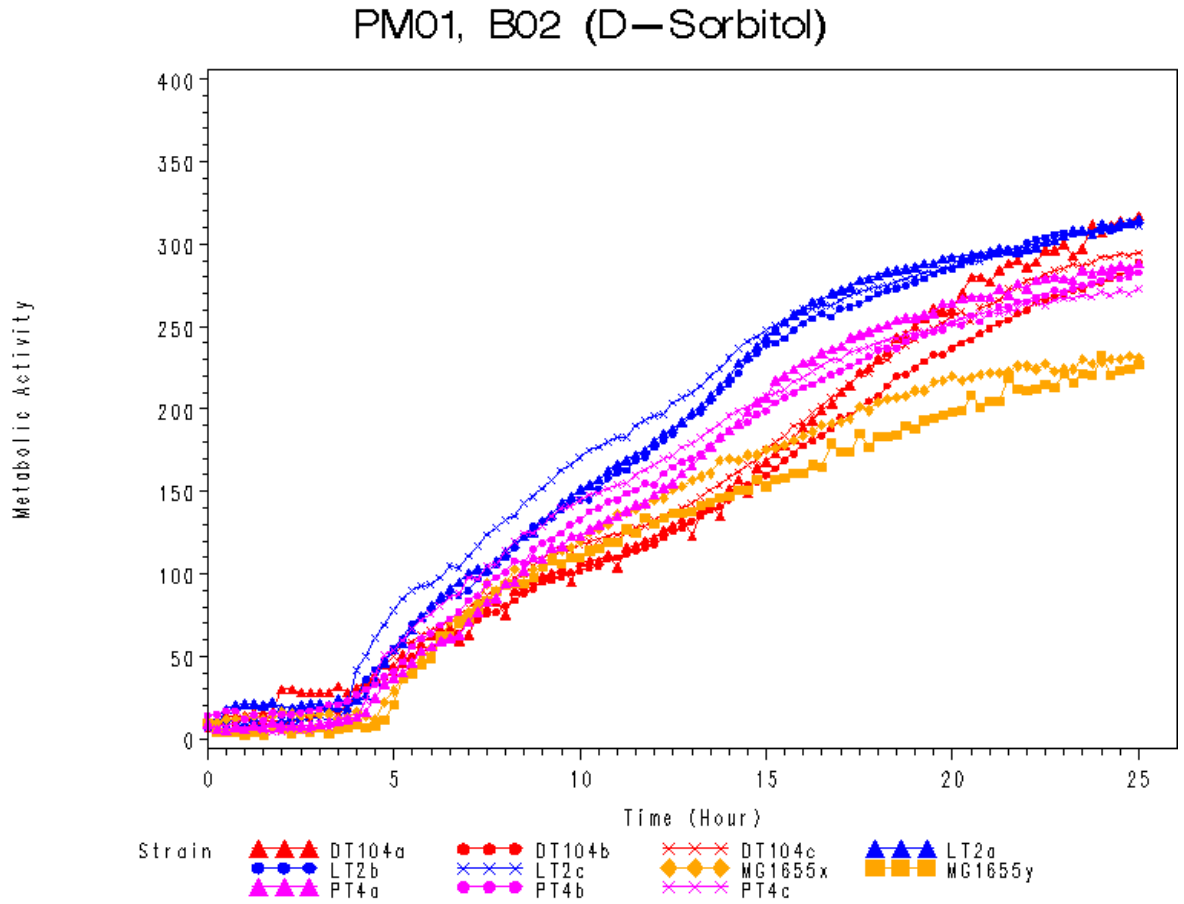
PM01, A11 (D-Mannose)

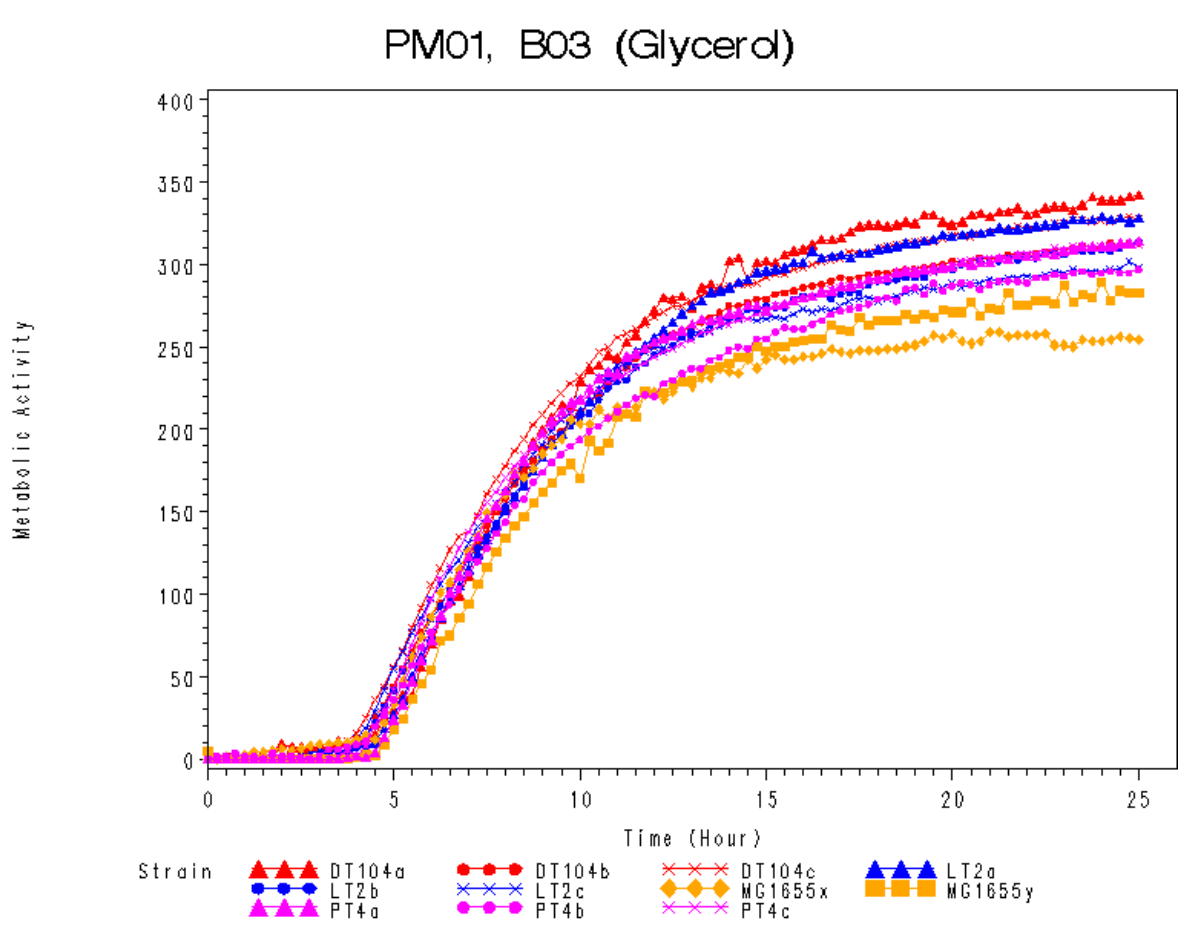


PM01, A12 (Dulcitol)

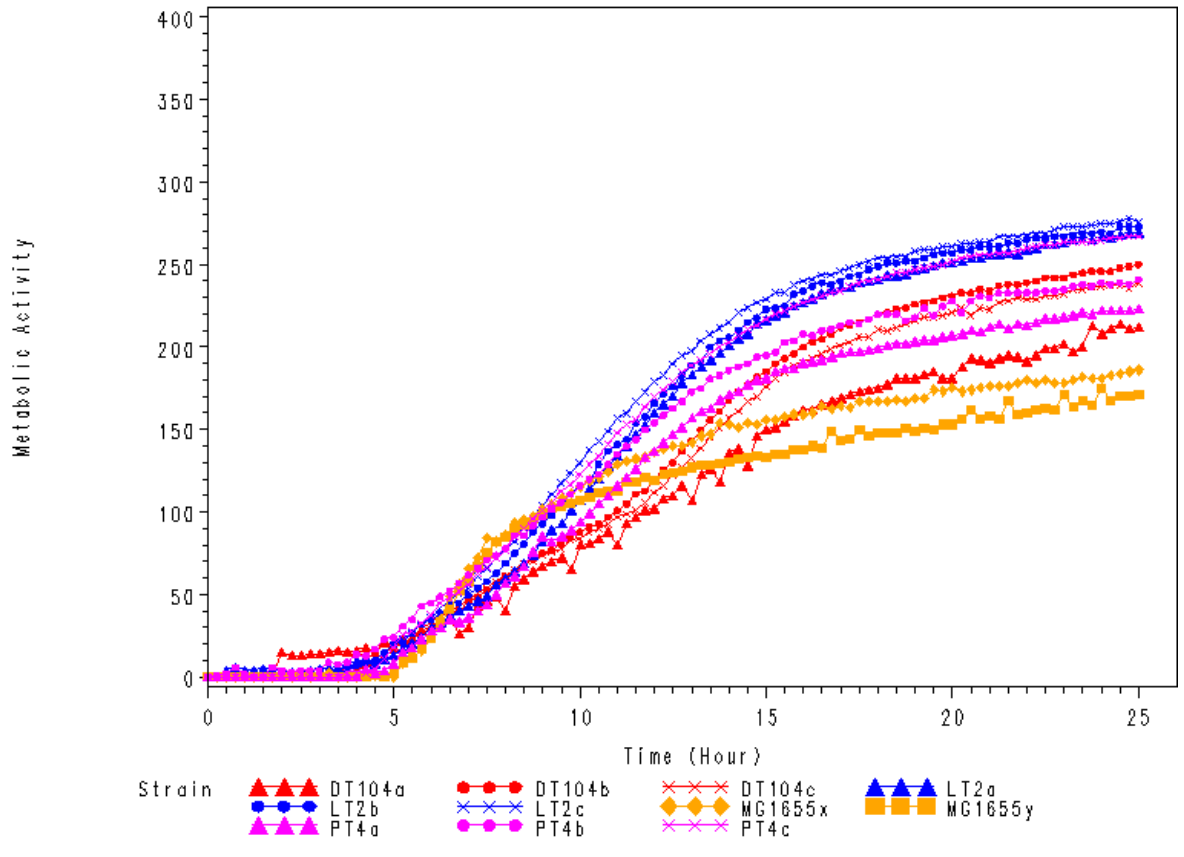



PM01, B01 (D-Serine)
Metabolic Activity
Time (Hour)
Strain
DT104a
DT104b
DT104c
LT2a
LT2b
LT2c
MG1655x
MG1655y
PT4a
PT4b
PT4c

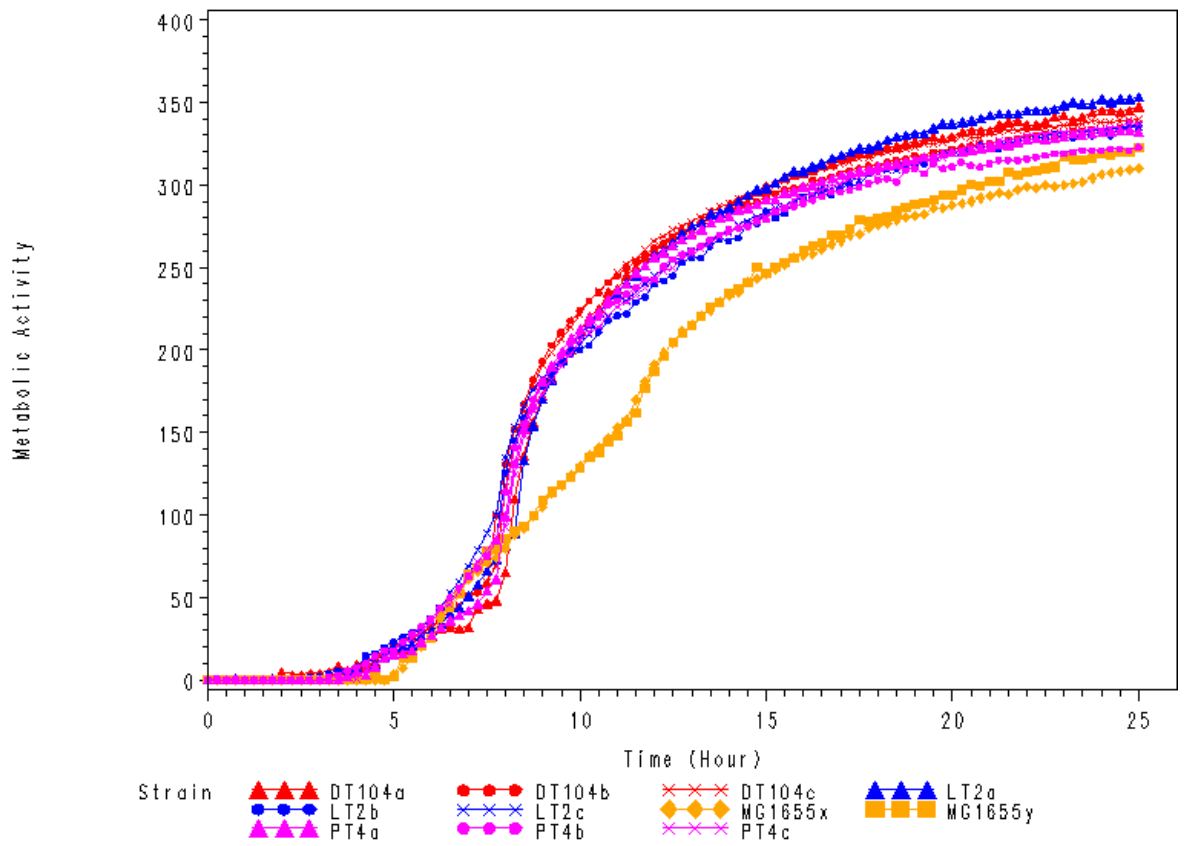

PM01, B02 (D-Sorbitol)
Metabolic Activity
Time (Hour)
Strain
DT104a
DT104b
DT104c
LT2a
LT2b
LT2c
MG1655x
MG1655y
PT4a
PT4b
PT4c


PM01, B03 (Glycerol)
Metabolic Activity
Time (Hour)
Strain
DT104a
DT104b
DT104c
LT2a
LT2b
LT2c
MG1655x
MG1655y
PT4a
PT4b
PT4c

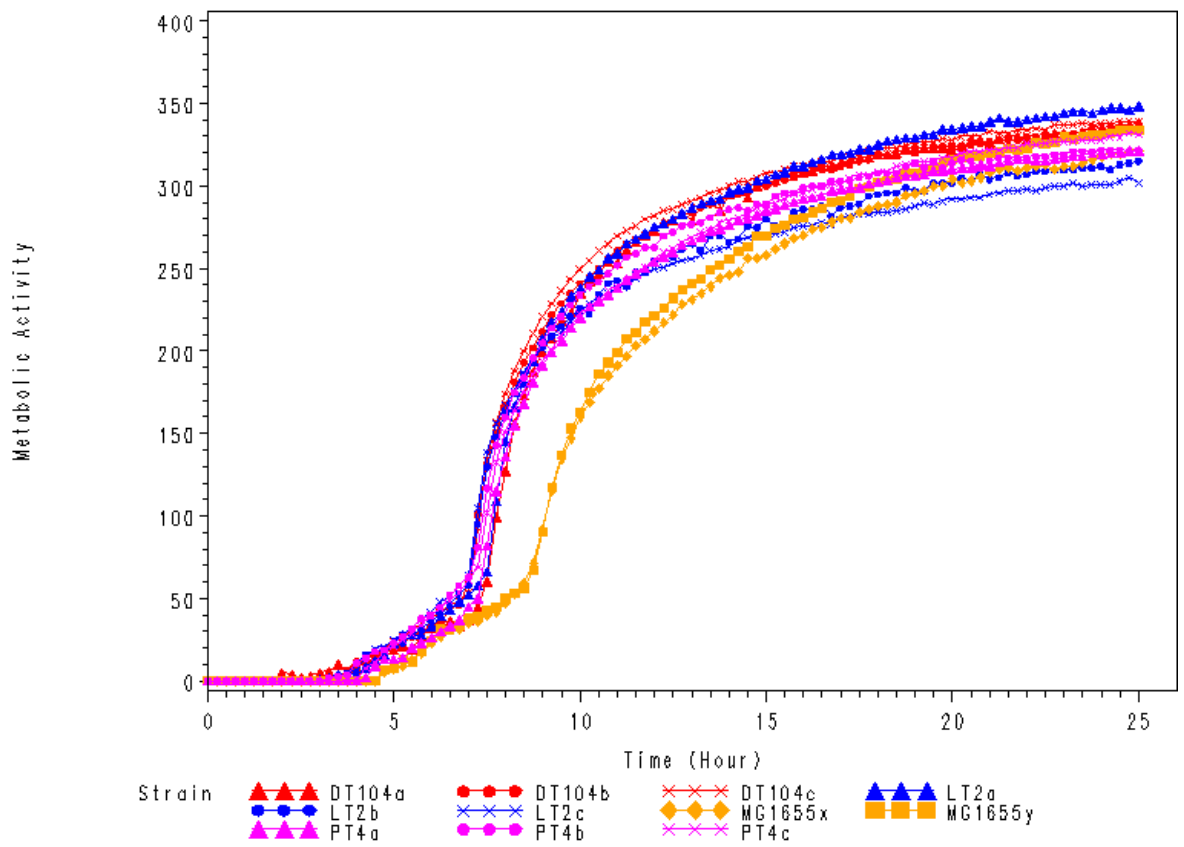
PM01, B04 (L-Fucose)

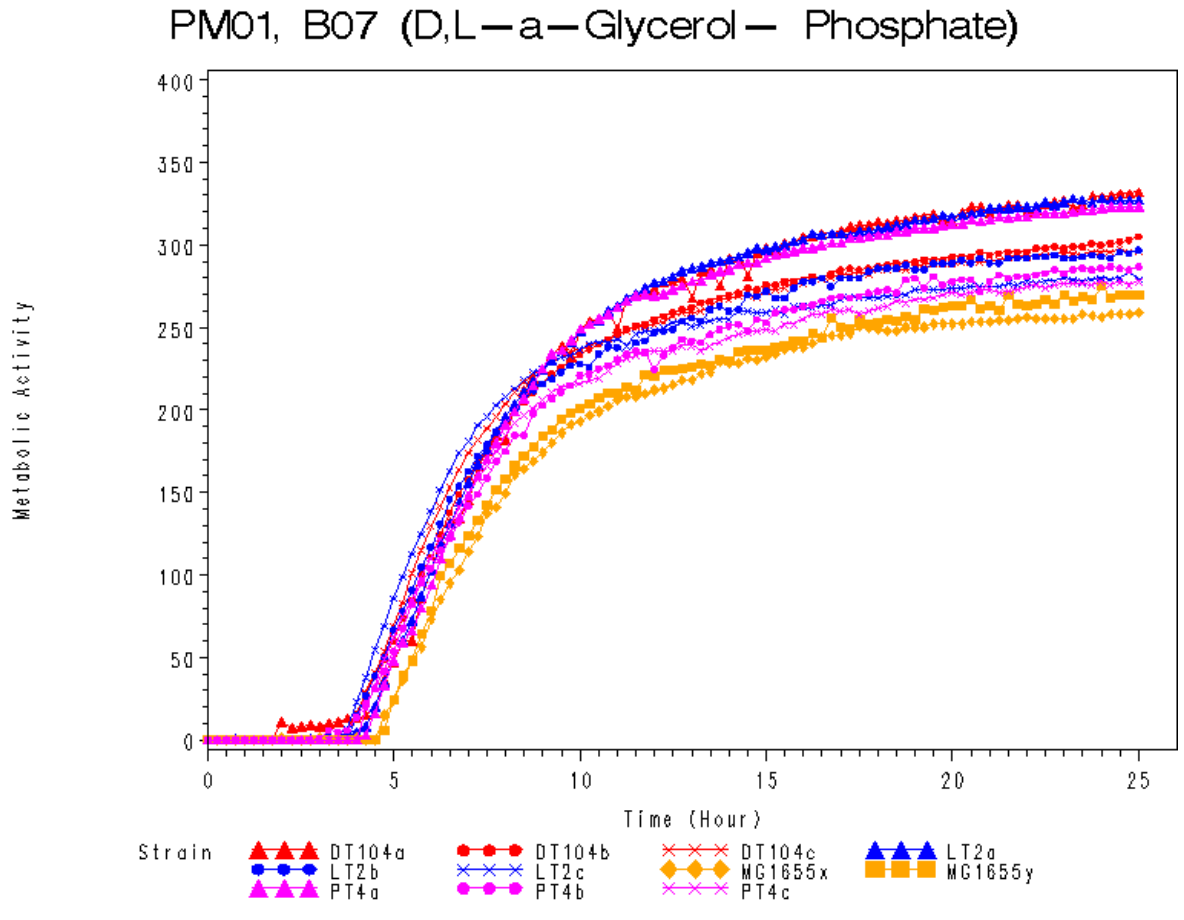


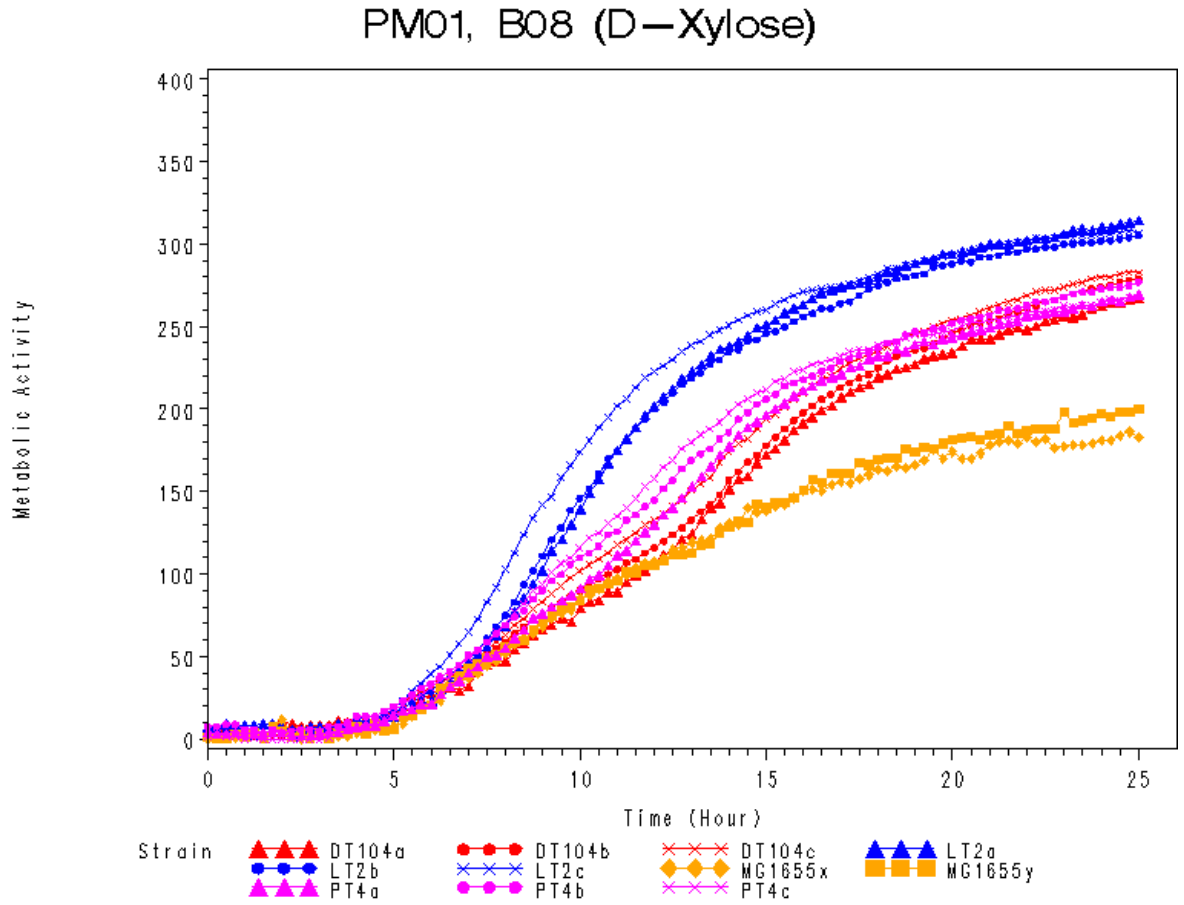
PM01, B05 (D-Glucuronic Acid)

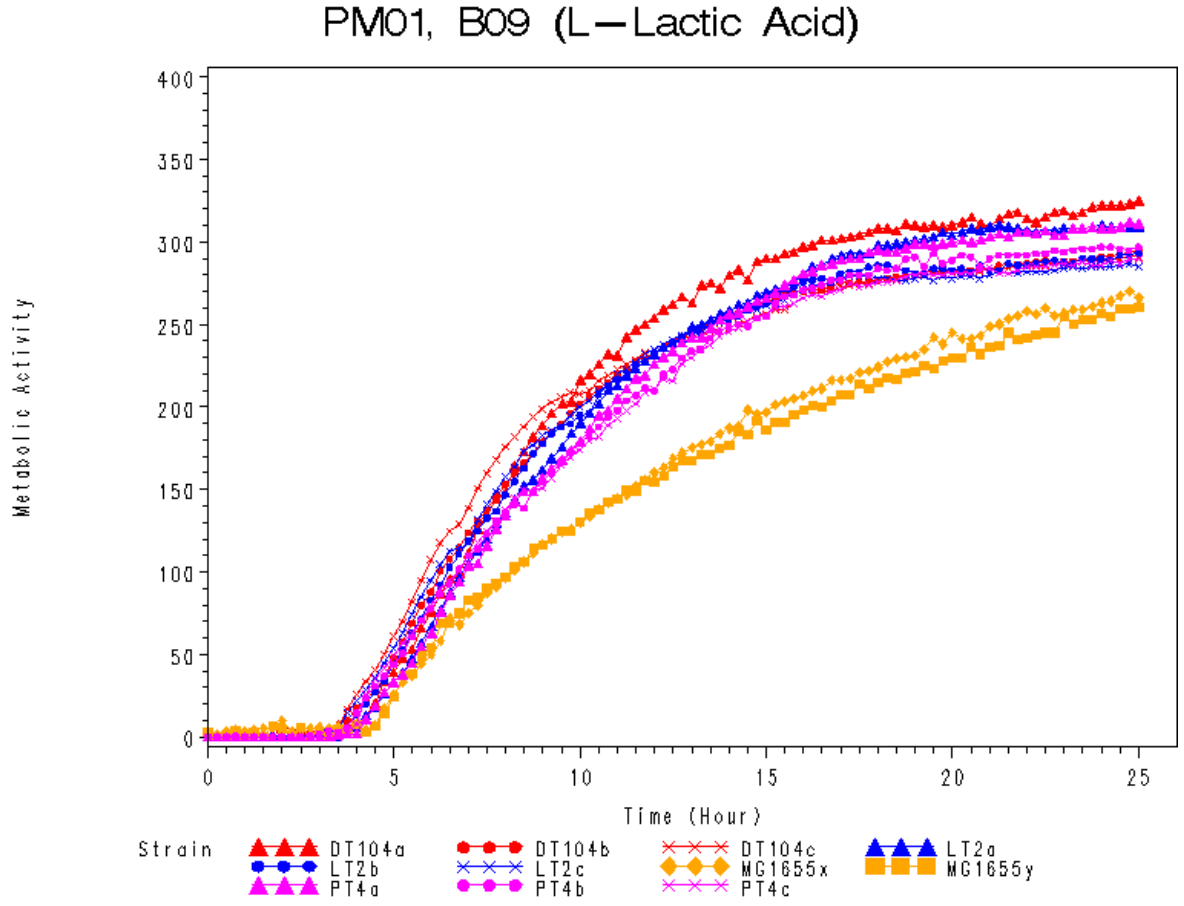


PM01, B06 (D-Gluconic Acid)

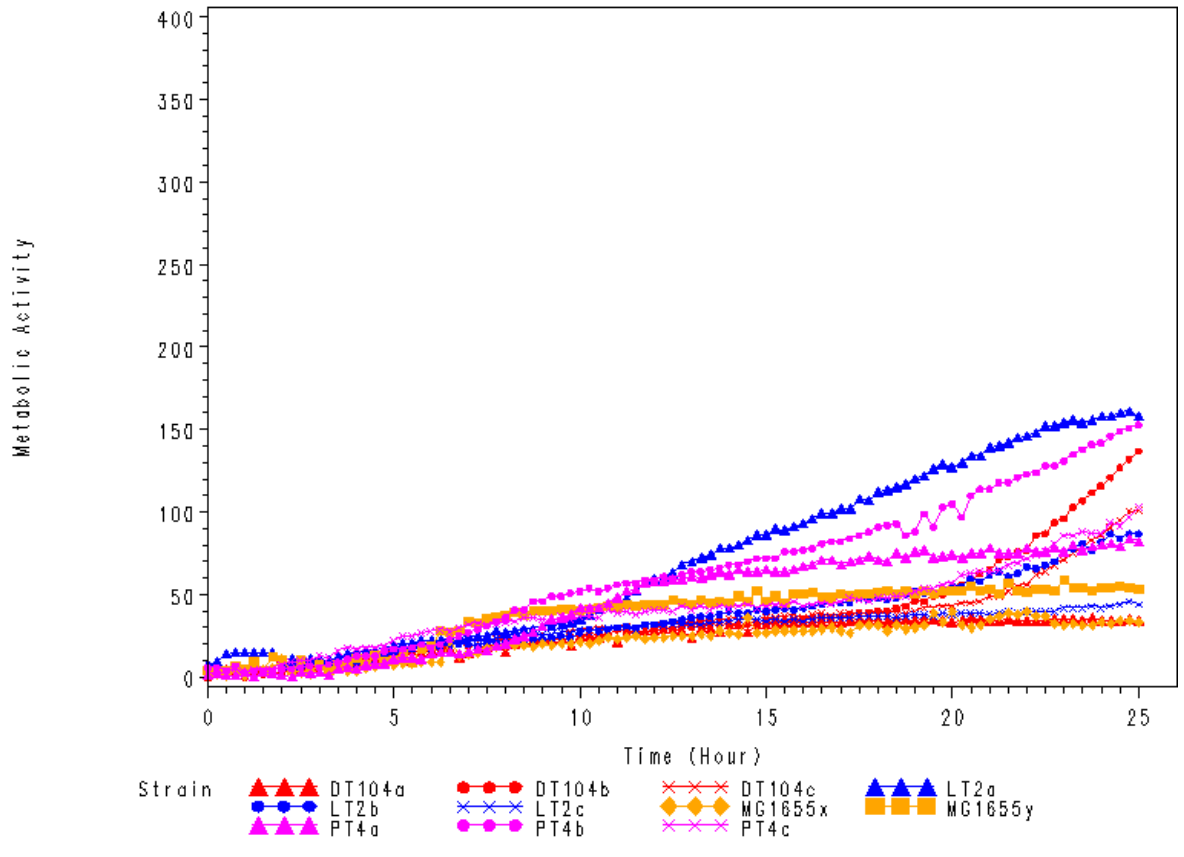



PM01, B07 (D,L—a—Glycerol— Phosphate)
Metabolic Activity
Time (Hour)
Strain
DT104a
DT104b
DT104c
LT2a
LT2b
LT2c
MG1655x
MG1655y
PT4a
PT4b
PT4c

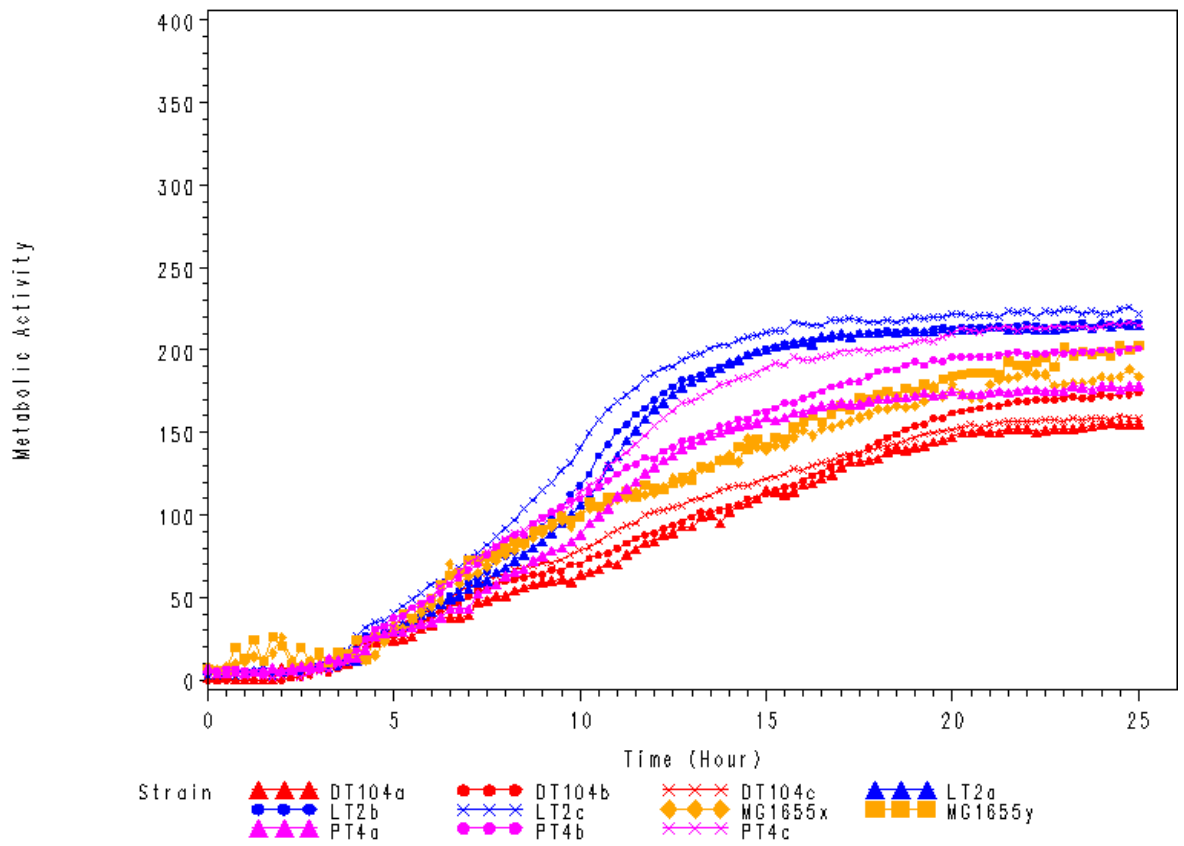

PM01, B08 (D—Xylose)
Metabolic Activity
Time (Hour)
Strain
DT104a
DT104b
DT104c
LT2a
LT2b
LT2c
MG1655x
MG1655y
PT4a
PT4b
PT4c


PM01, B09 (L—Lactic Acid)
Metabolic Activity
Time (Hour)
Strain
DT104a
DT104b
DT104c
LT2a
LT2b
LT2c
MG1655x
MG1655y
PT4a
PT4b
PT4c

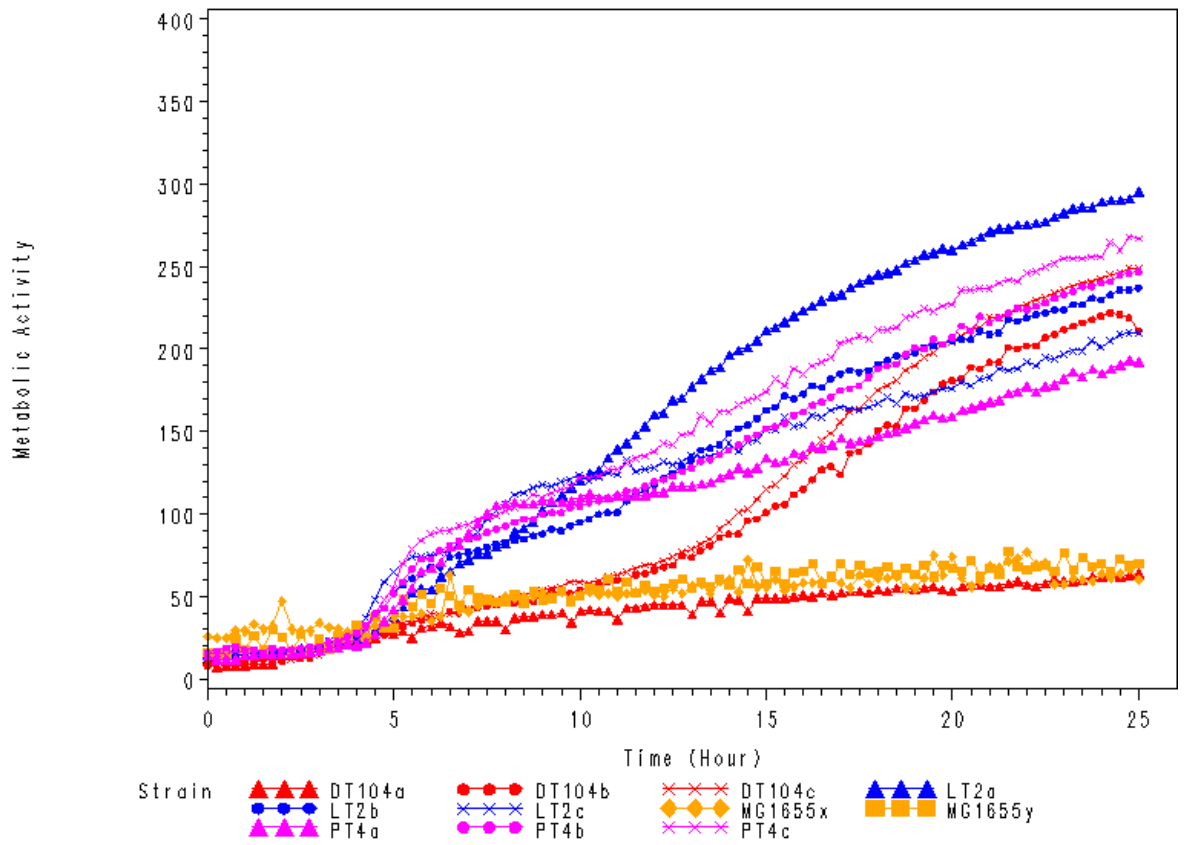
PM01, B10 (Formic Acid)

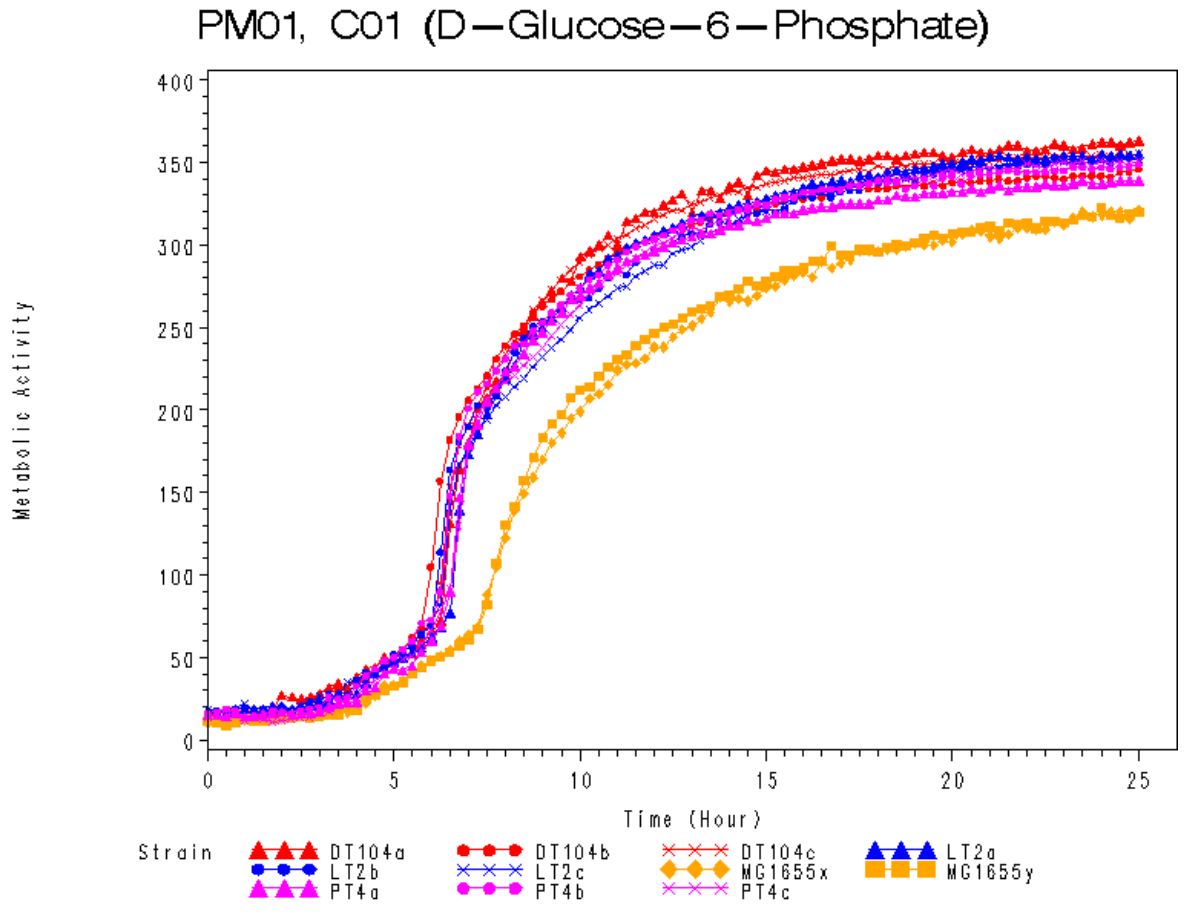


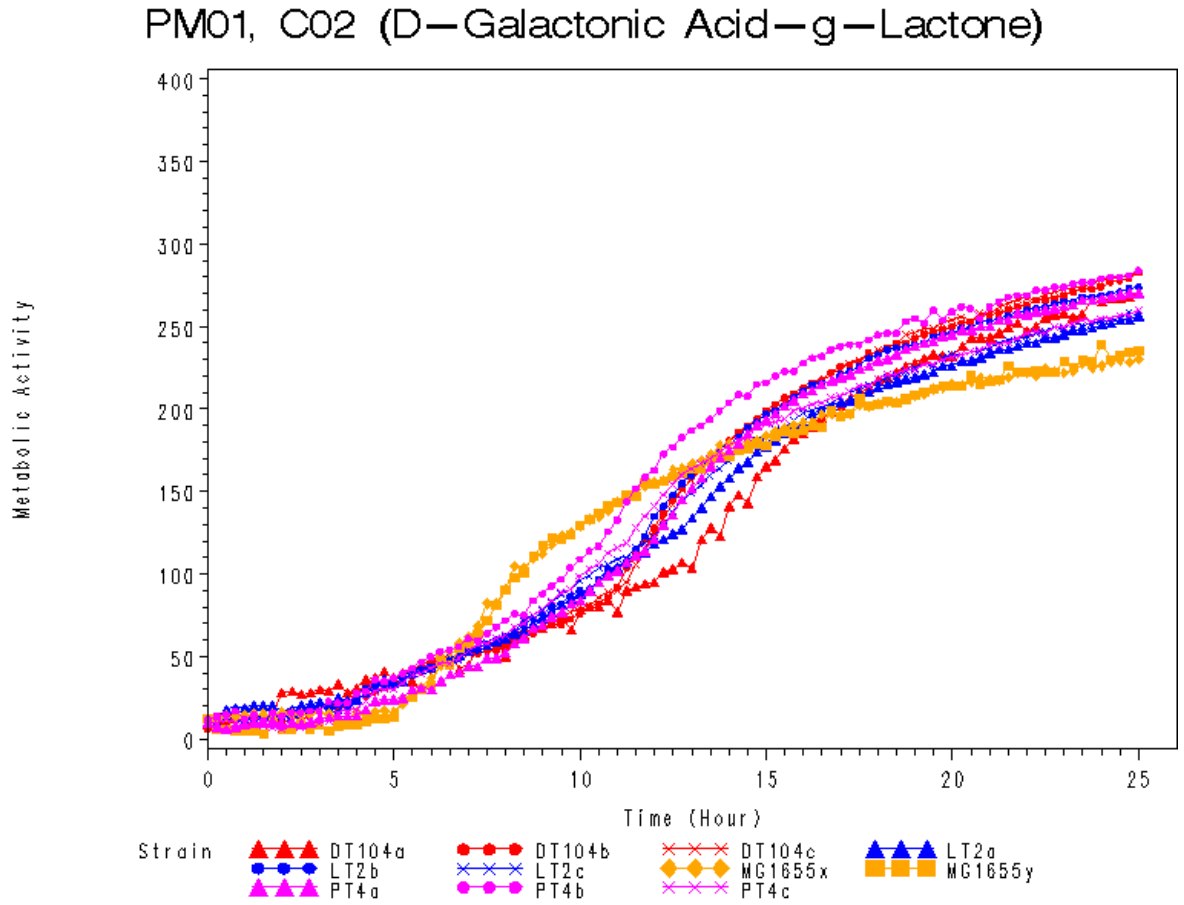
PM01, B11 (D-Mannitol)

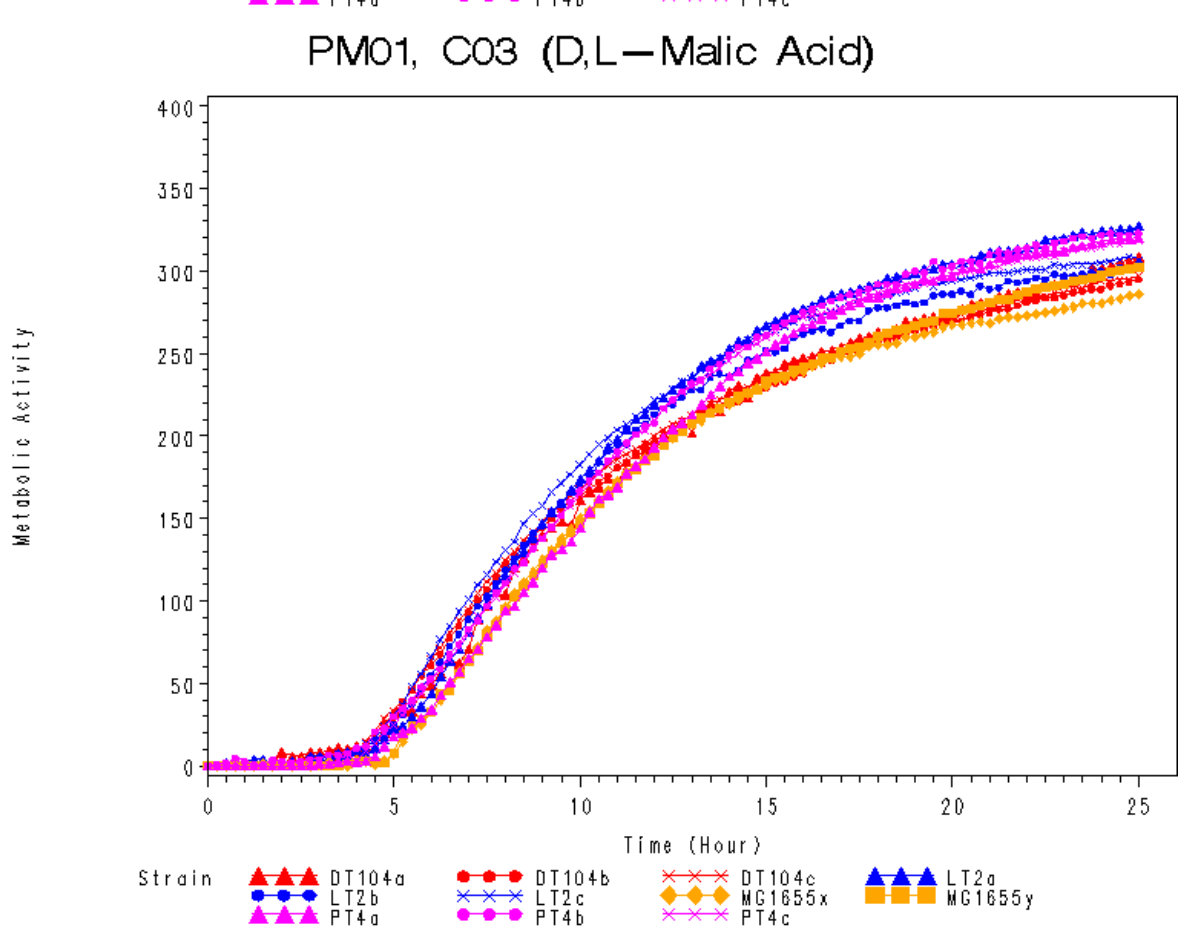


PM01, B12 (L-Glutamic Acid)

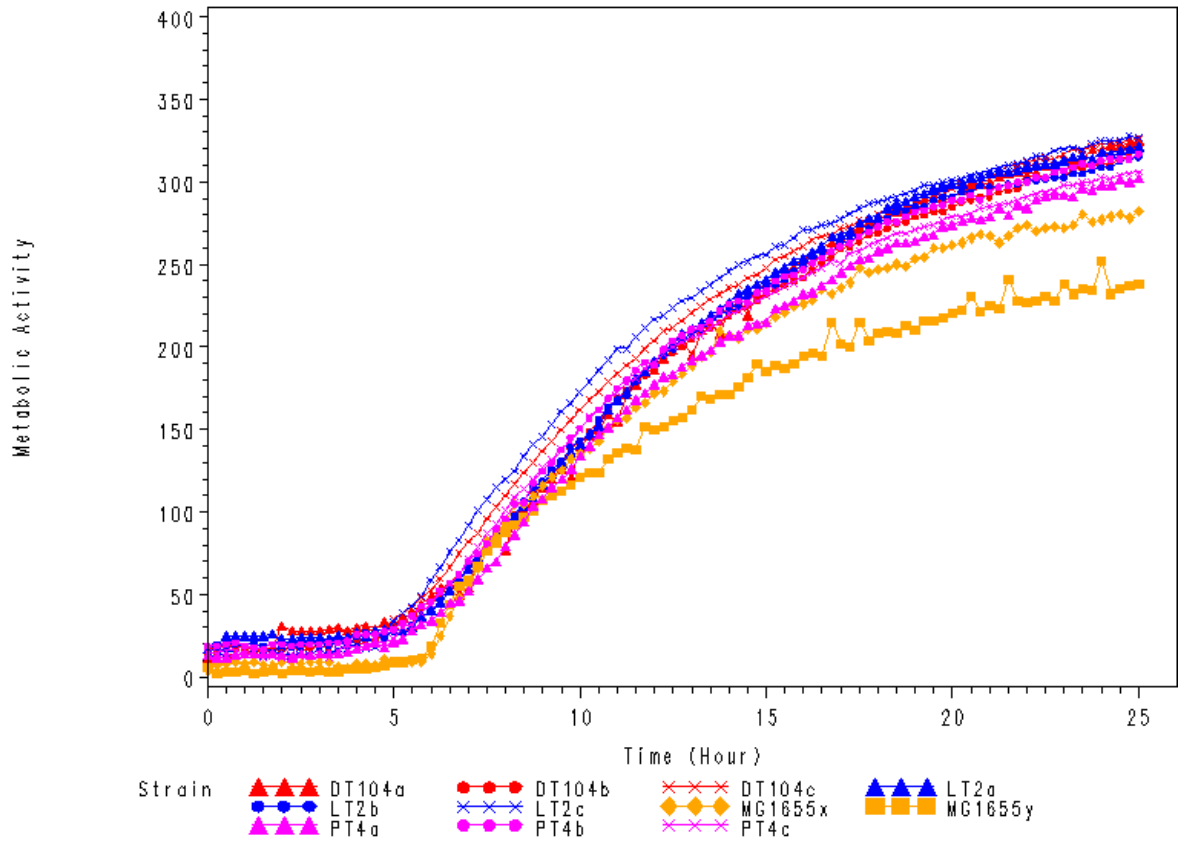



PM01, C01 (D-Glucose-6-Phosphate)
Metabolic Activity
Time (Hour)
Strain
DT104a
DT104b
DT104c
LT2a
LT2b
LT2c
MG1655x
MG1655y
PT4a
PT4b
PT4c

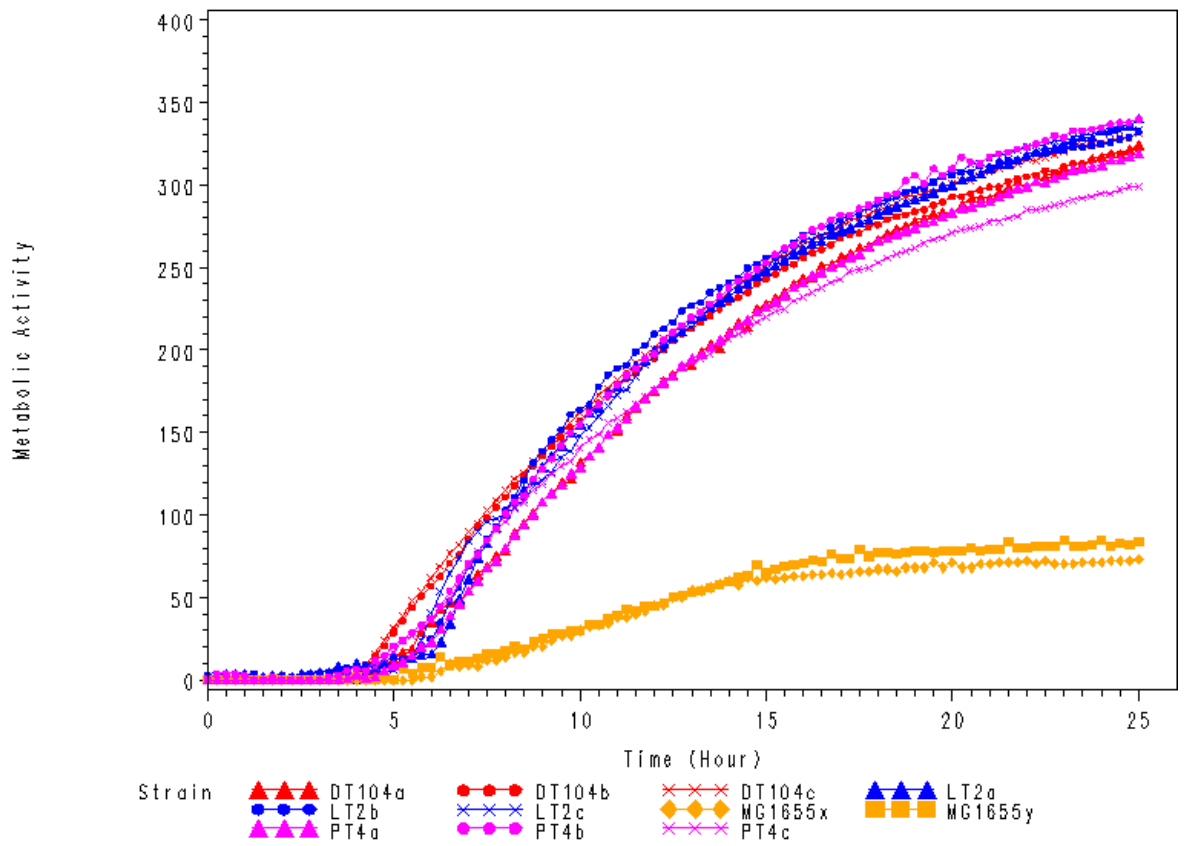

PM01, C02 (D-Galactonic Acid-g-Lactone)
Metabolic Activity
Time (Hour)
Strain
DT104a
DT104b
DT104c
LT2a
LT2b
LT2c
MG1655x
MG1655y
PT4a
PT4b
PT4c


PM01, C03 (D,L-Malic Acid)
Metabolic Activity
Time (Hour)
Strain
DT104a
DT104b
DT104c
LT2a
LT2b
LT2c
MG1655x
MG1655y
PT4a
PT4b
PT4c

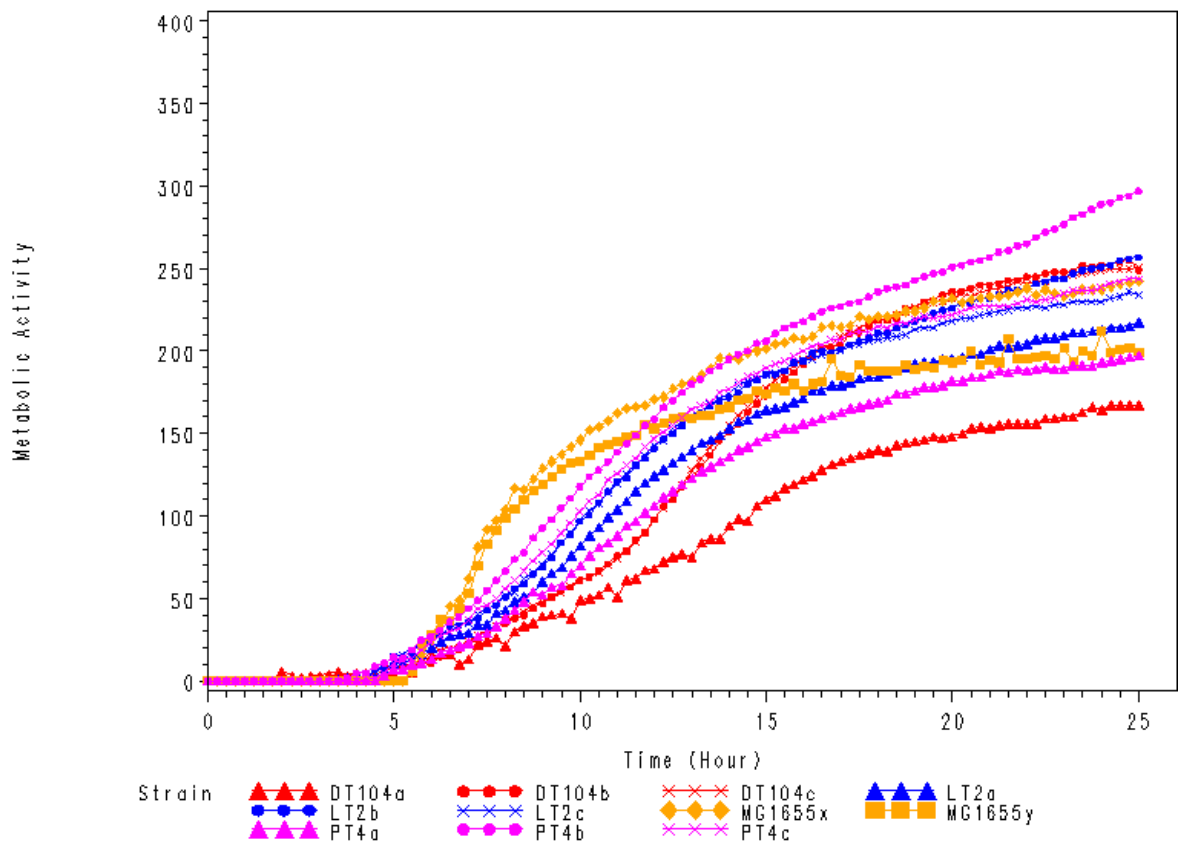
PM01, C04 (D-Ribose)

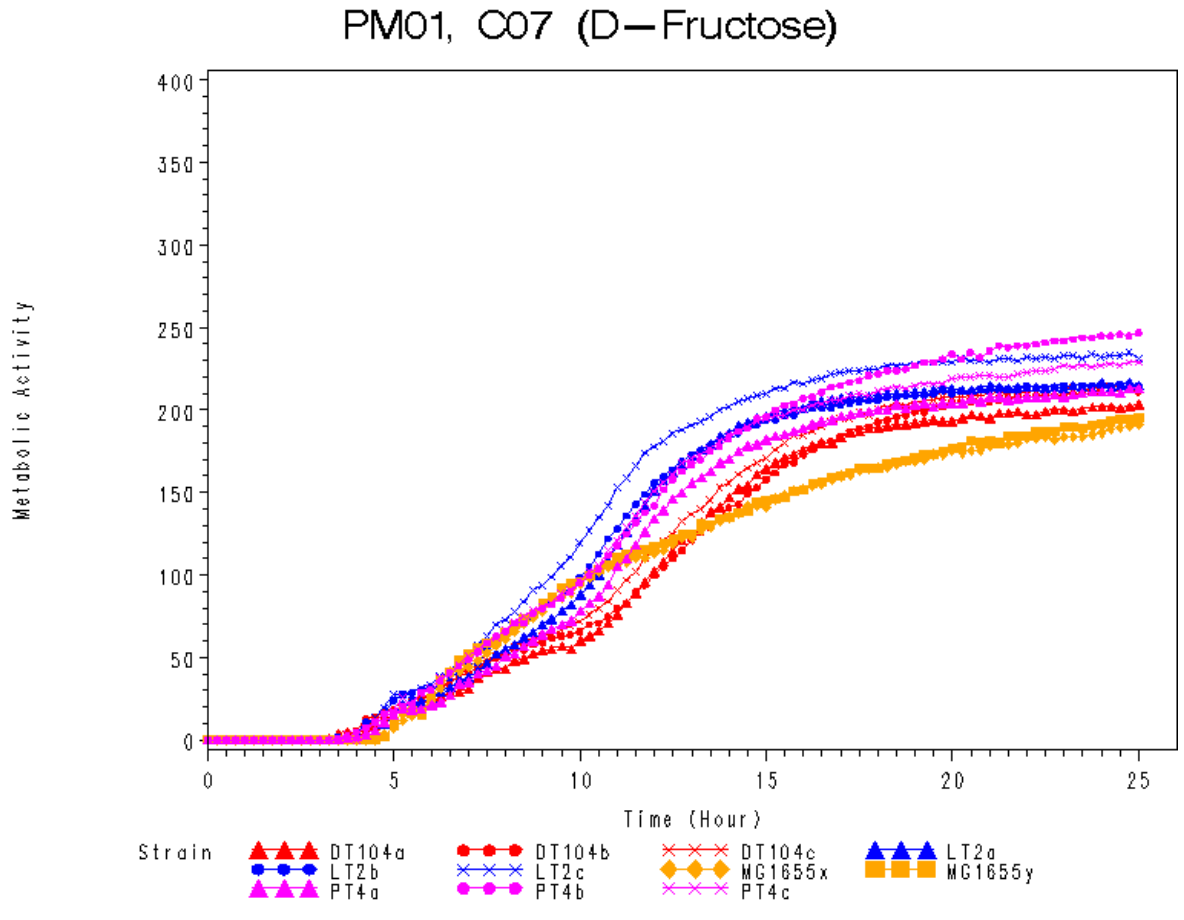


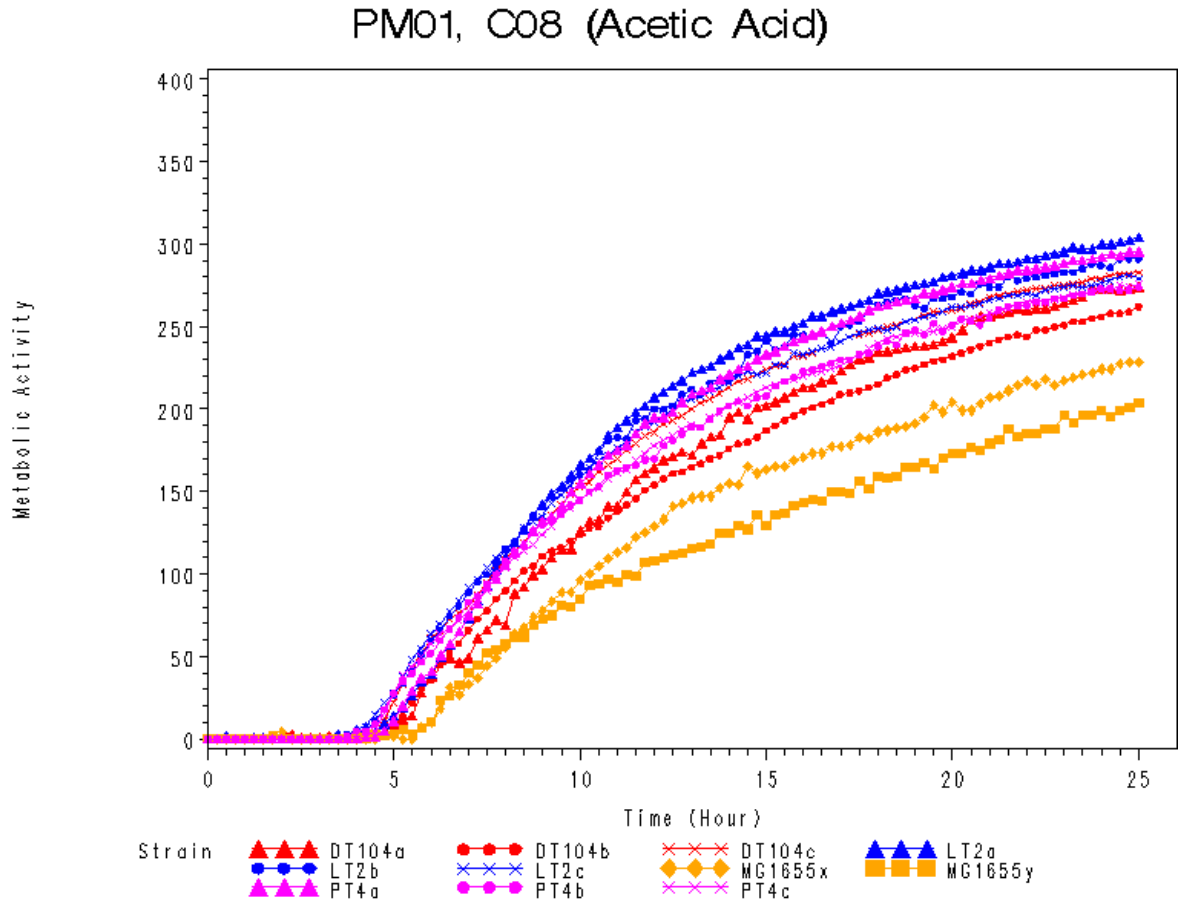
PM01, C05 (Tween 20)

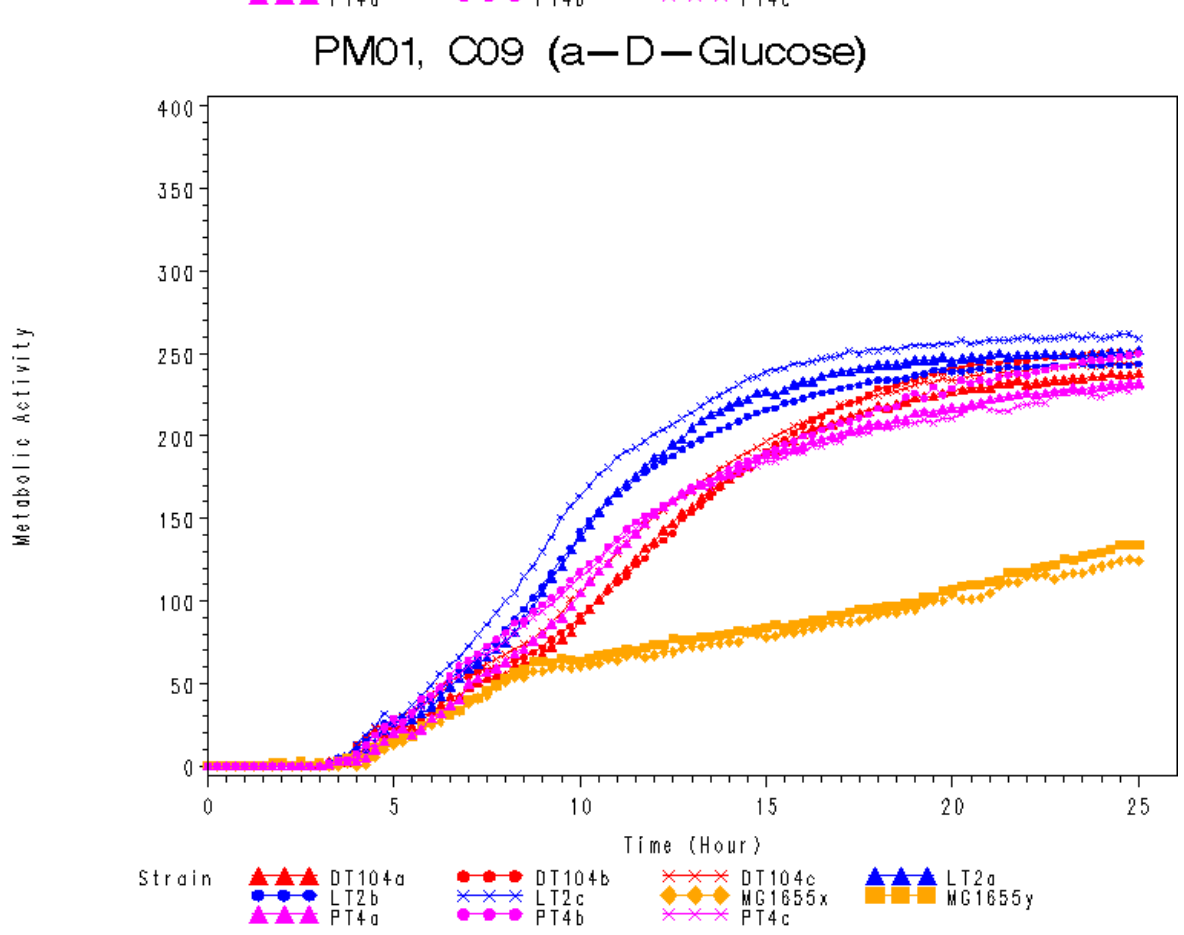


PM01, C06 (L-Rhamnose)

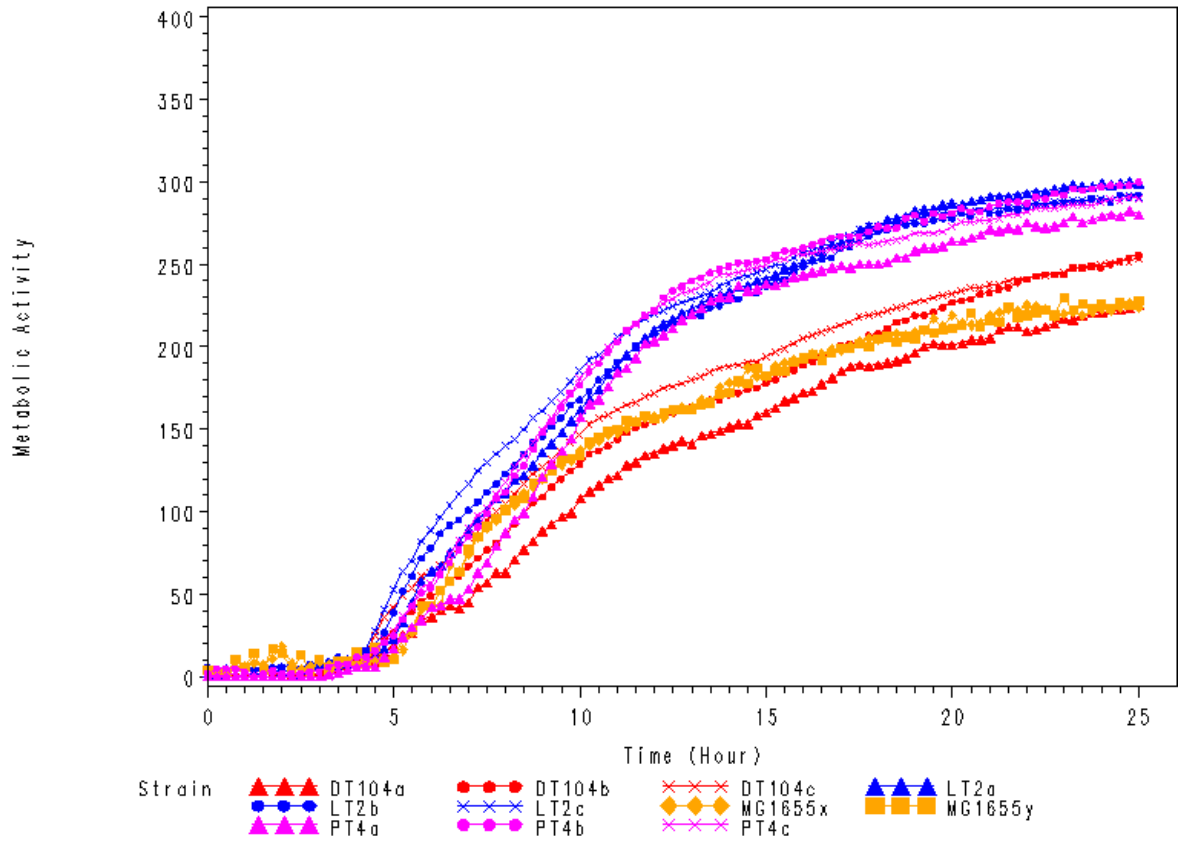



PM01, C07 (D—Fructose)
Metabolic Activity
400
350
300
250
200
150
100
50
0
0
5
10
15
20
25
Time (Hour)
Strain
DT104a
LT2b
PT4a
DT104b
LT2c
PT4b
DT104c
MG1655x
PT4c
LT2a
MG1655y

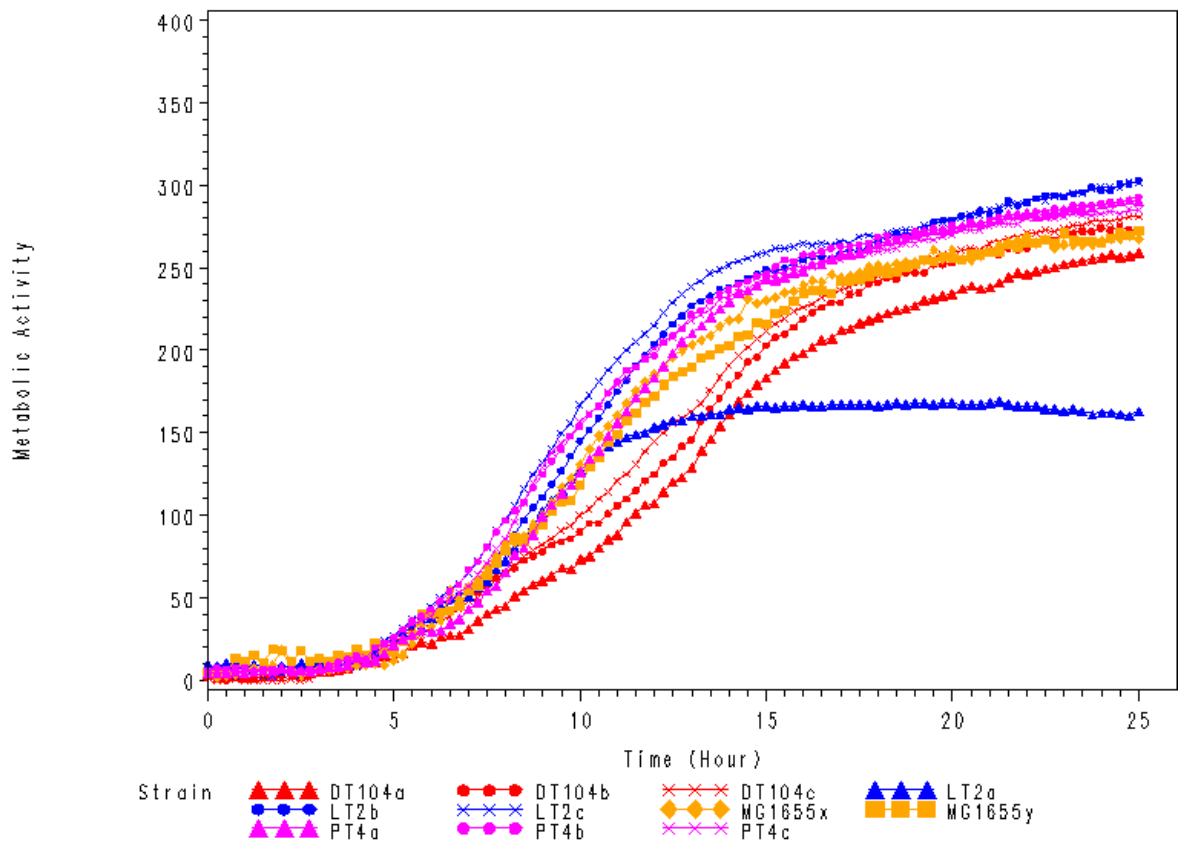

PM01, C08 (Acetic Acid)
Metabolic Activity
400
350
300
250
200
150
100
50
0
0
5
10
15
20
25
Time (Hour)
Strain
DT104a
LT2b
PT4a
DT104b
LT2c
PT4b
DT104c
MG1655x
PT4c
LT2a
MG1655y


PM01, C09 (a—D—Glucose)
Metabolic Activity
400
350
300
250
200
150
100
50
0
0
5
10
15
20
25
Time (Hour)
Strain
DT104a
LT2b
PT4a
DT104b
LT2c
PT4b
DT104c
MG1655x
PT4c
LT2a
MG1655y

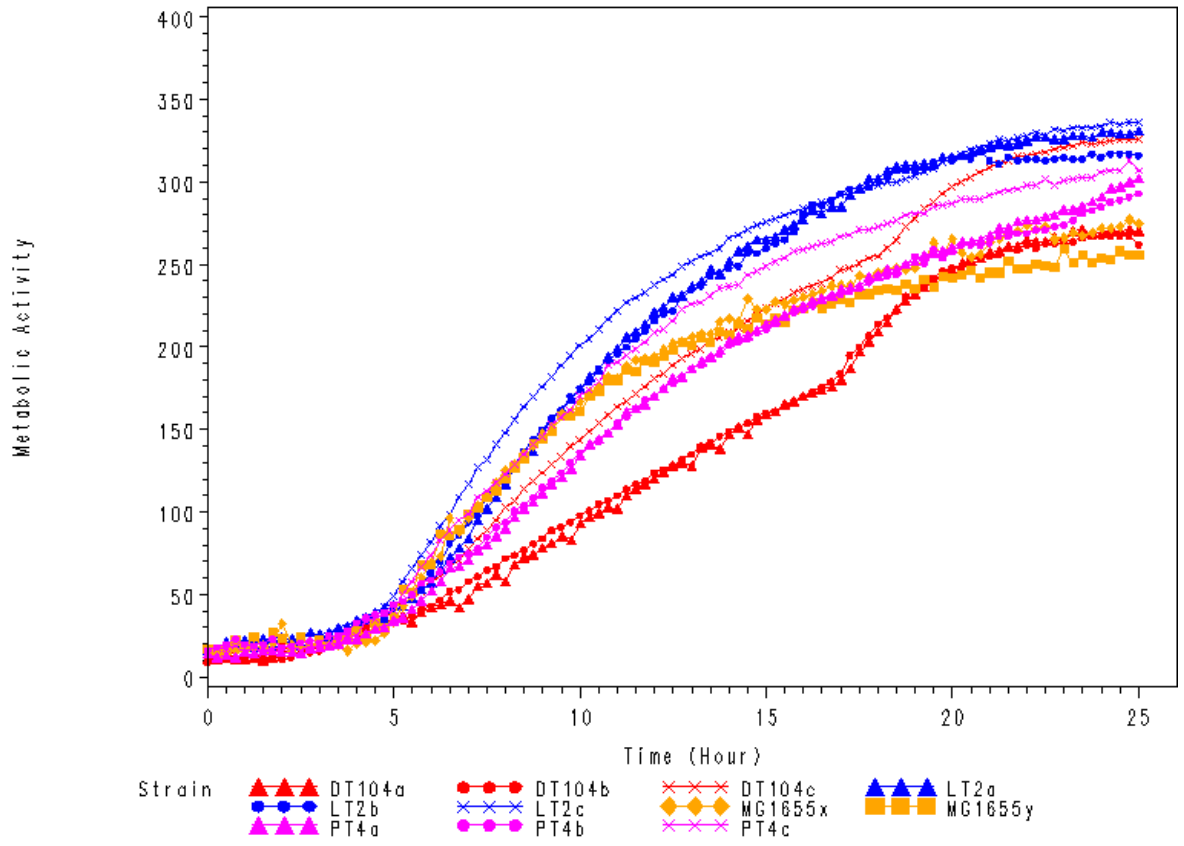
PM01, C10 (Maltose)



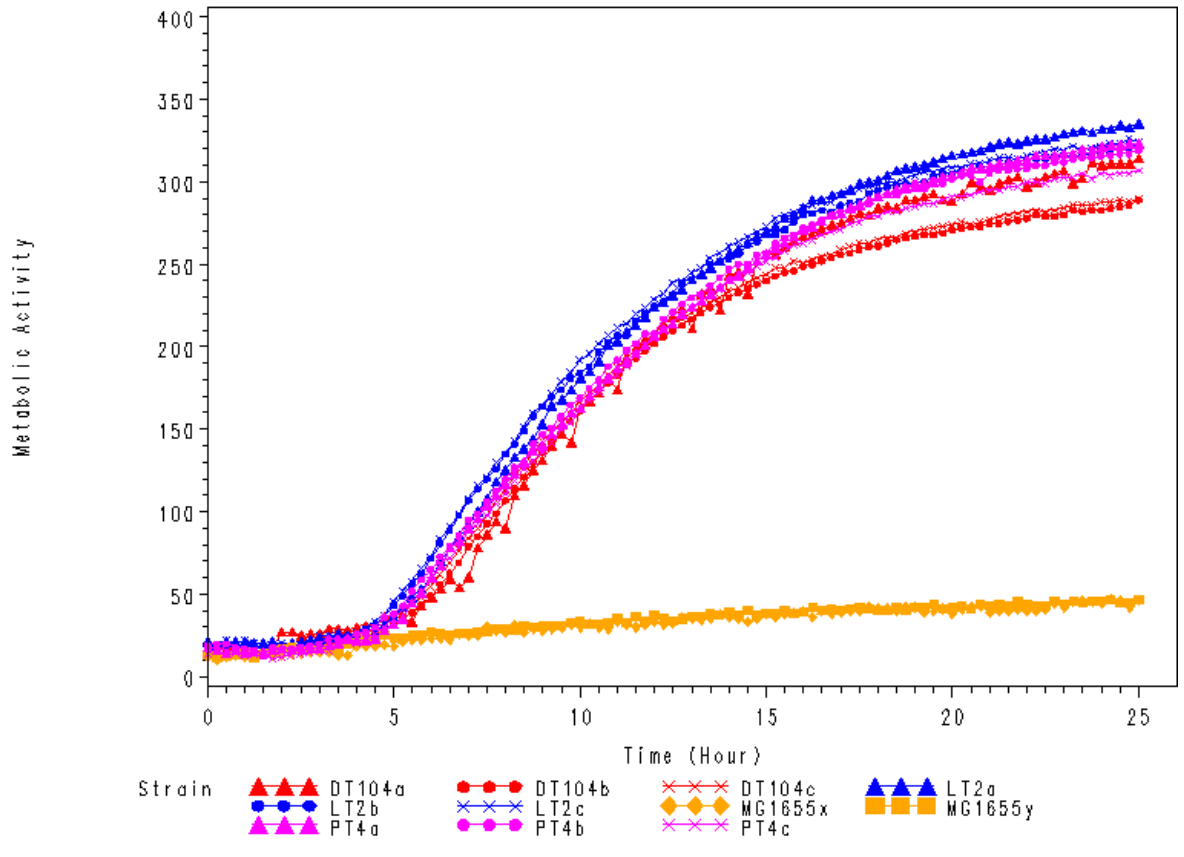
PM01, C11 (D—Melibiose)



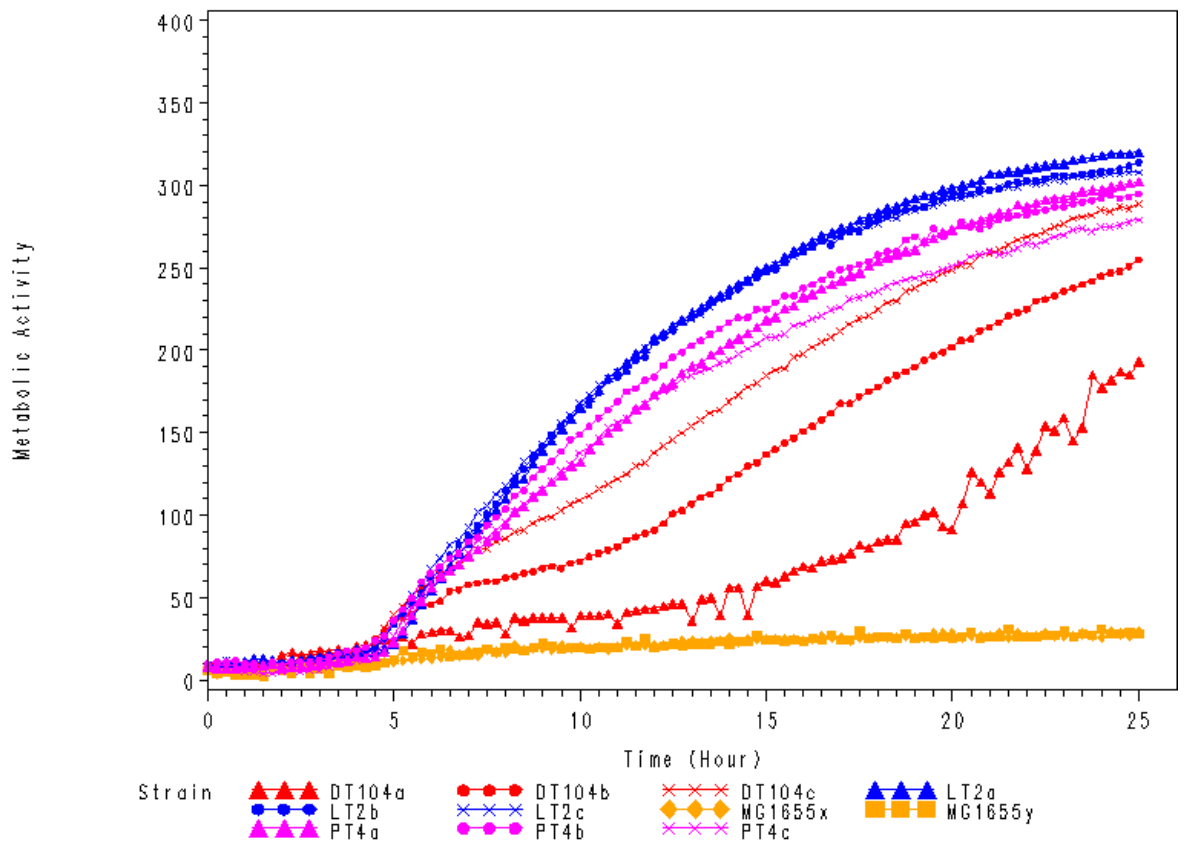
PM01, C12 (Thymidine)



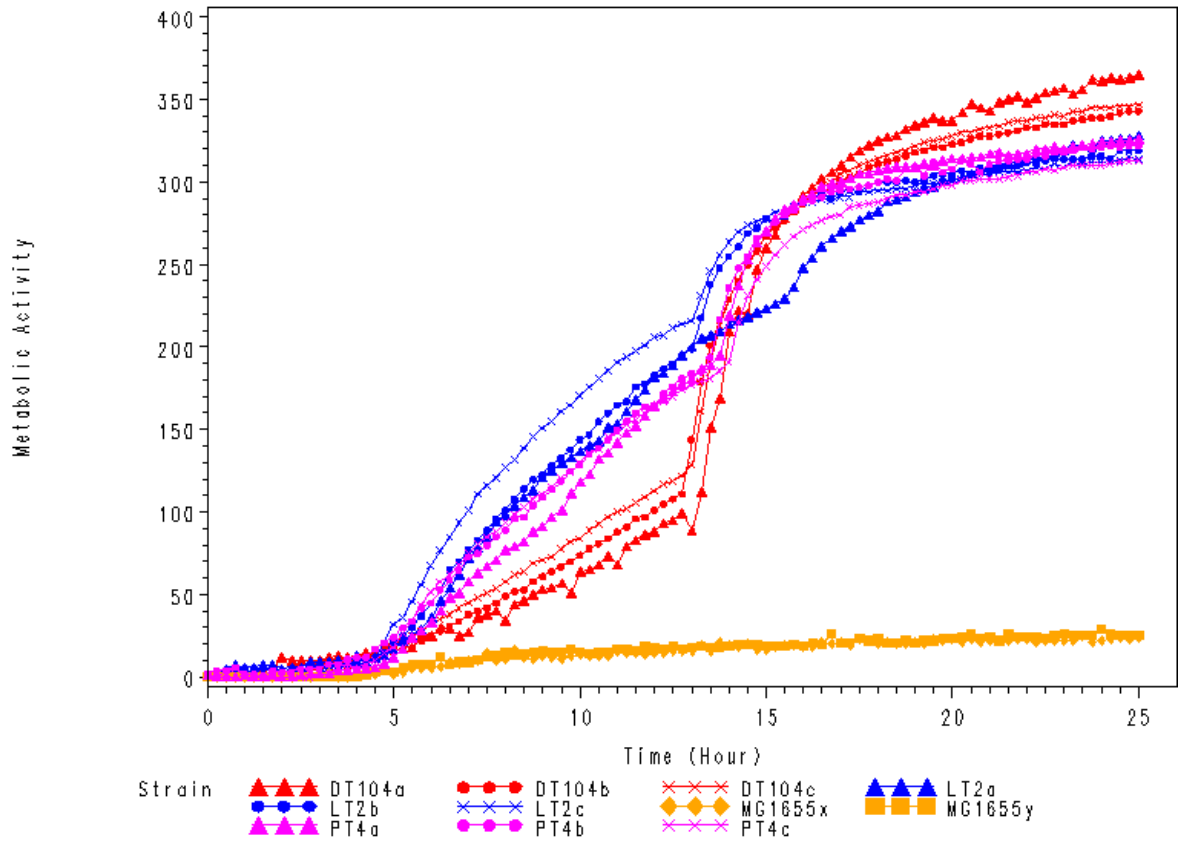
PM01, D01 (L—Asparagine)



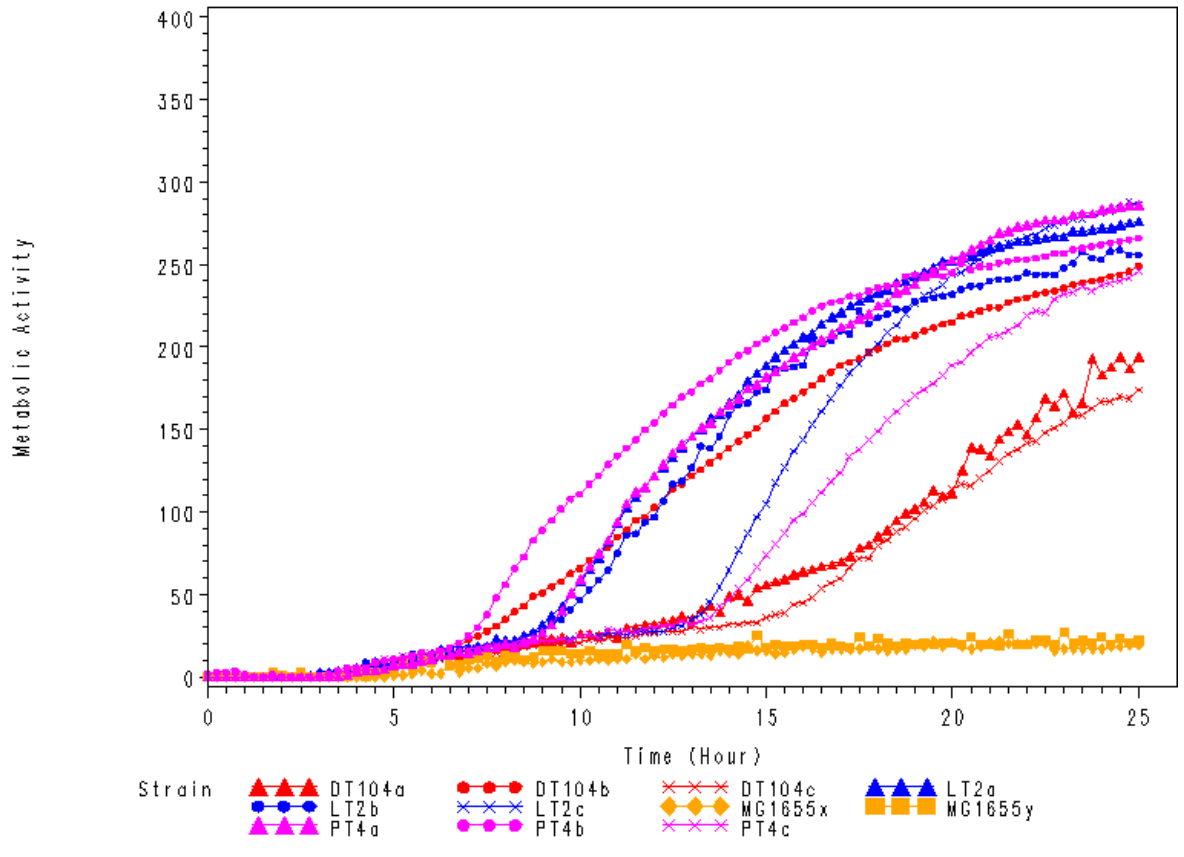
PM01, D02 (D—Aspartic Acid)



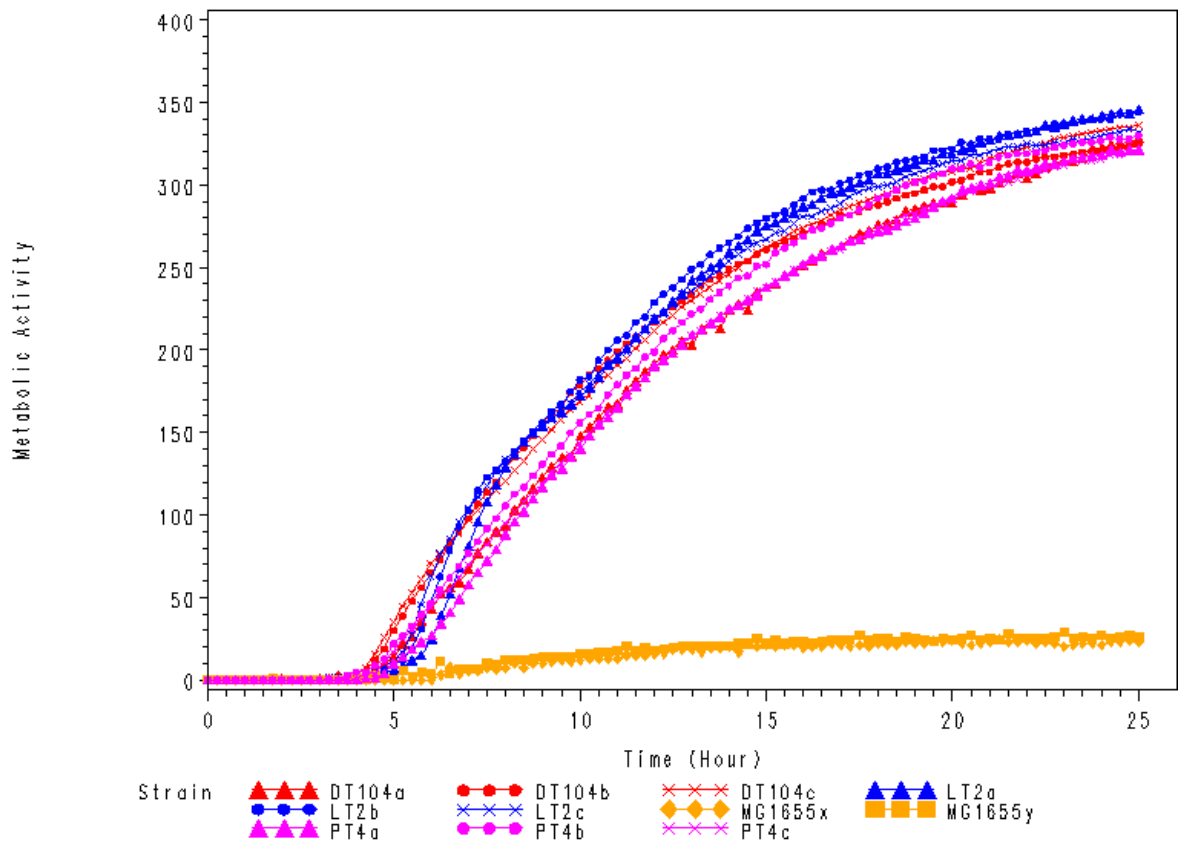
PM01, D03 (D—Glucosaminic Acid)



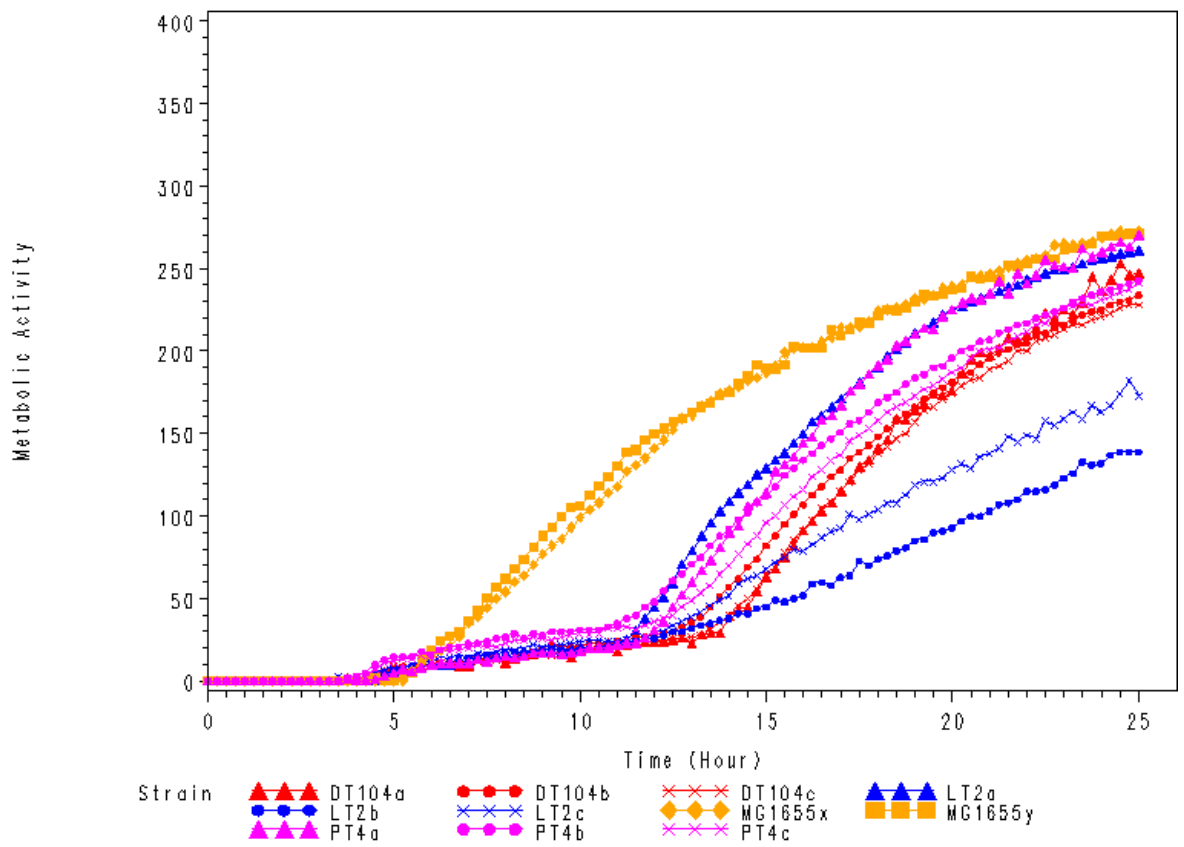
PM01, D04 (1,2—Propanediol)



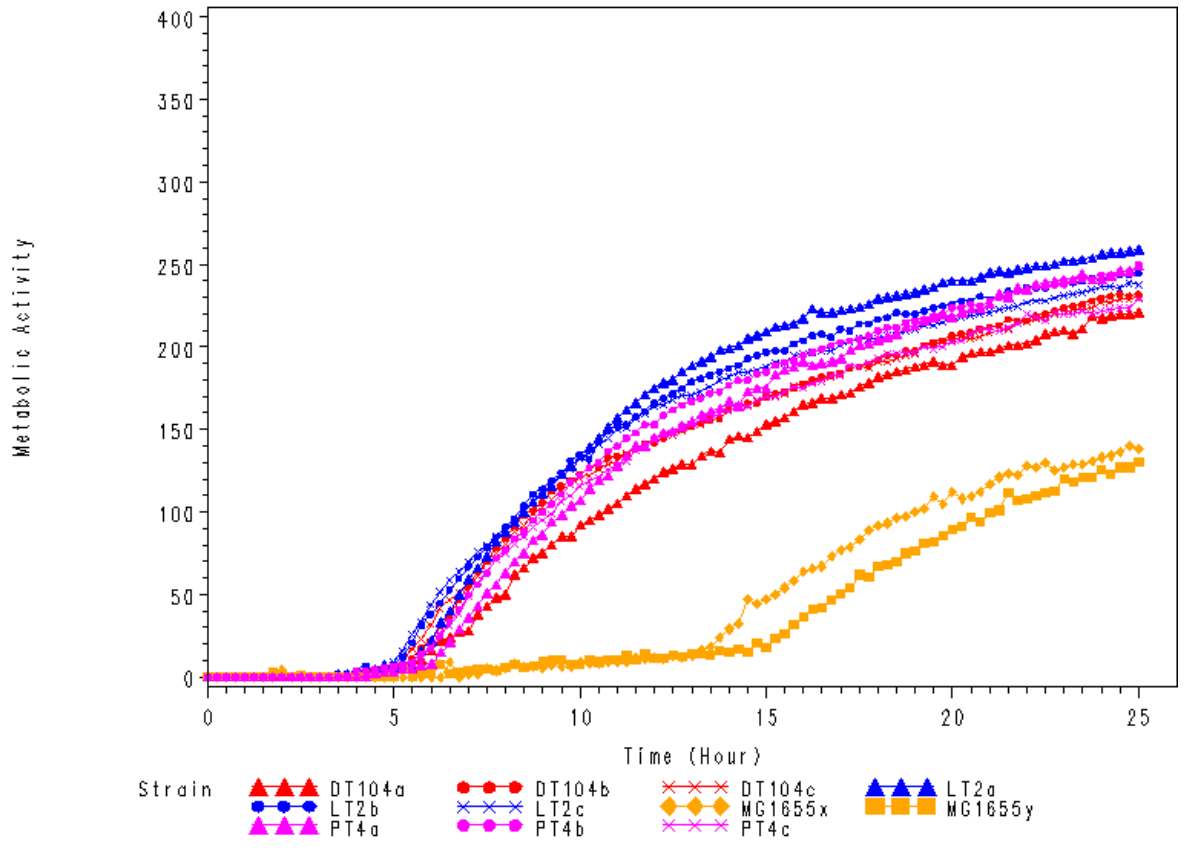
PM01, D05 (Tween 40)



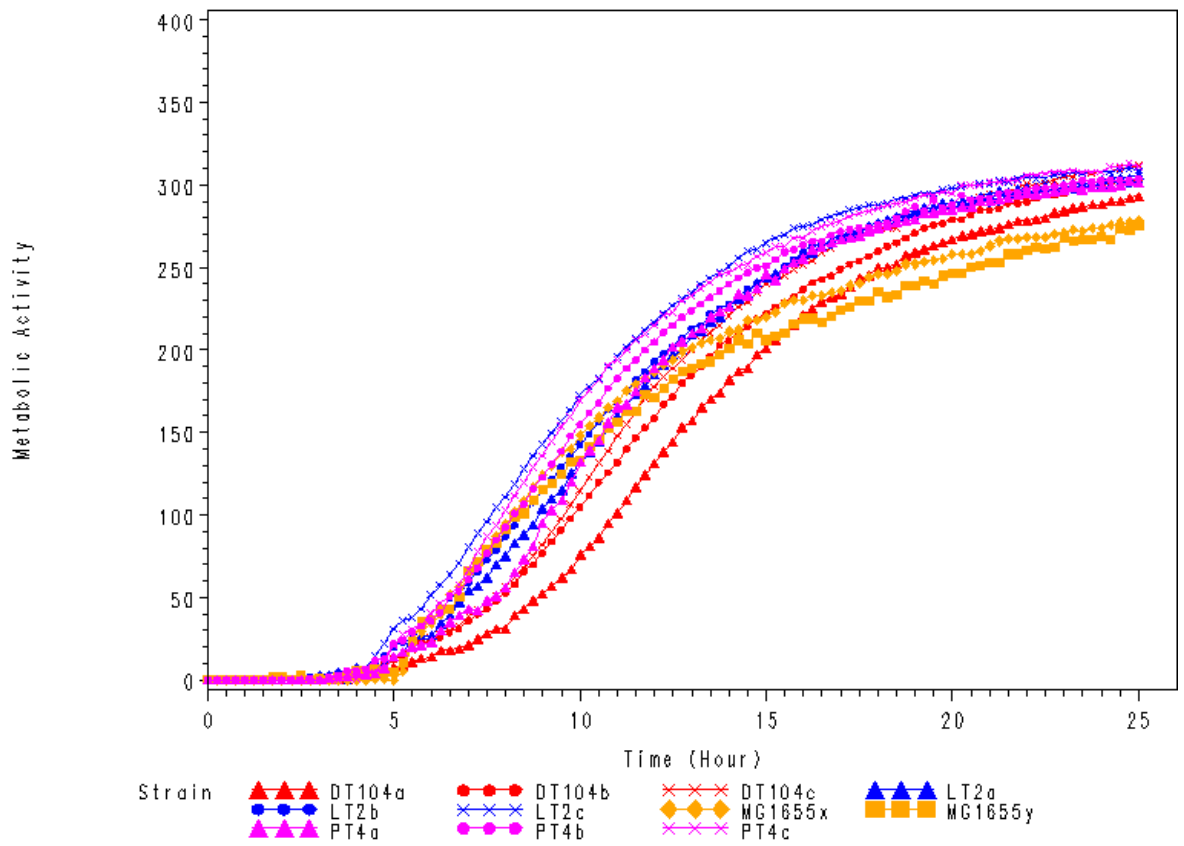
PM01, D06 (a—Keto—Glutaric Acid)



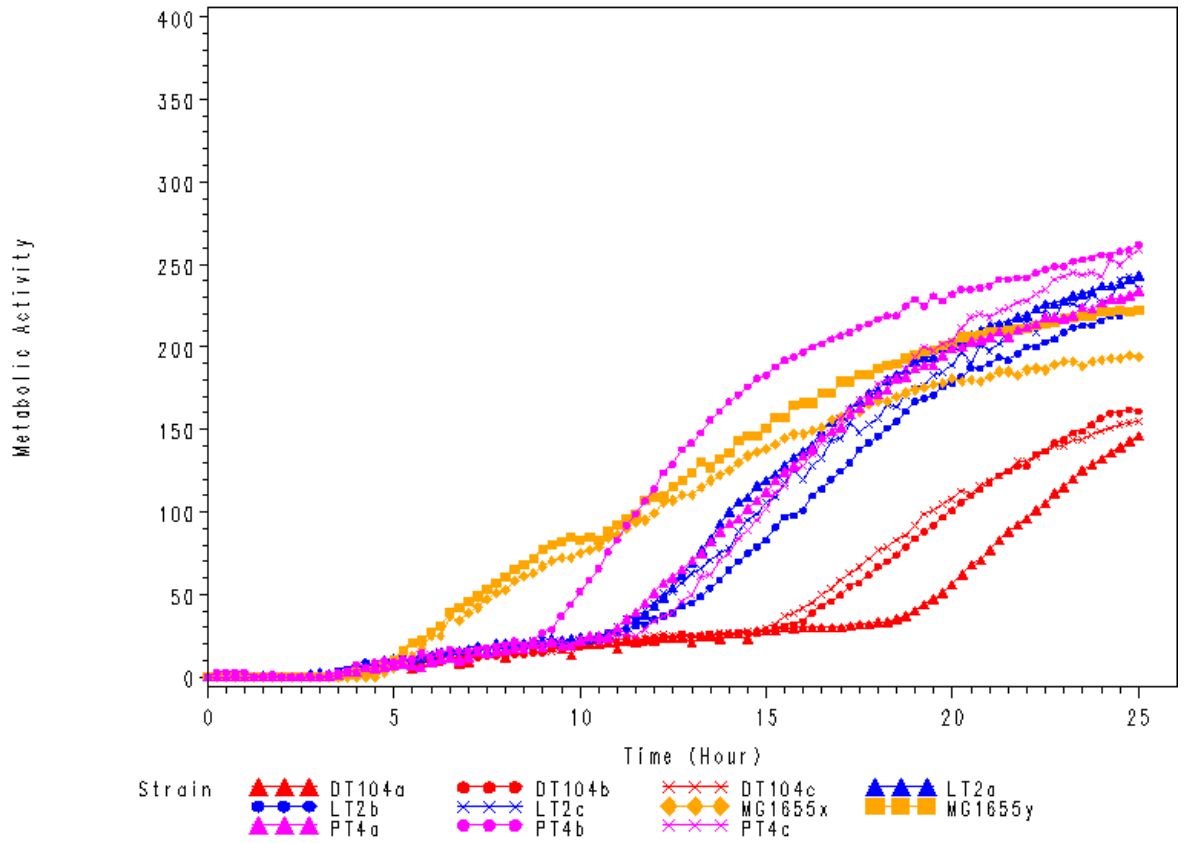
PM01, D07 (a-Keto-Butyric Acid)



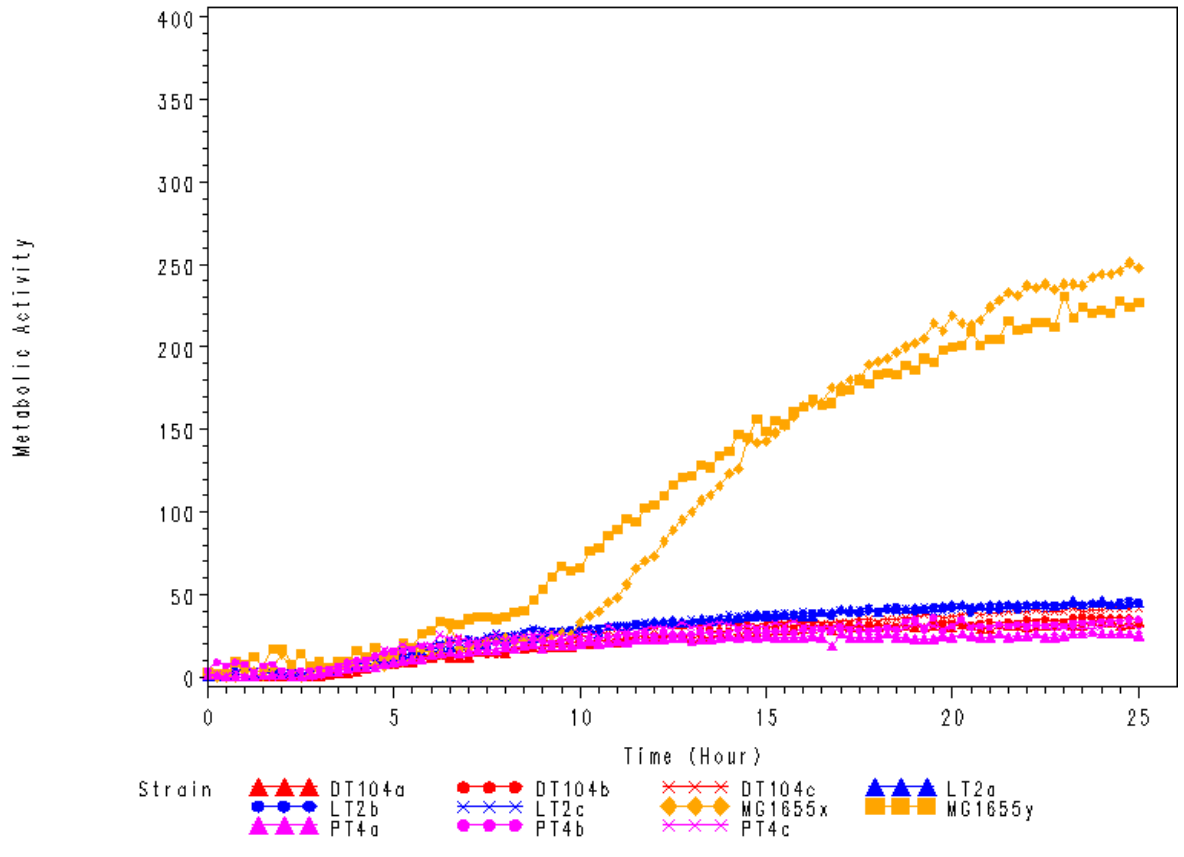
PM01, D08 (a-Methyl-D-Galactoside)



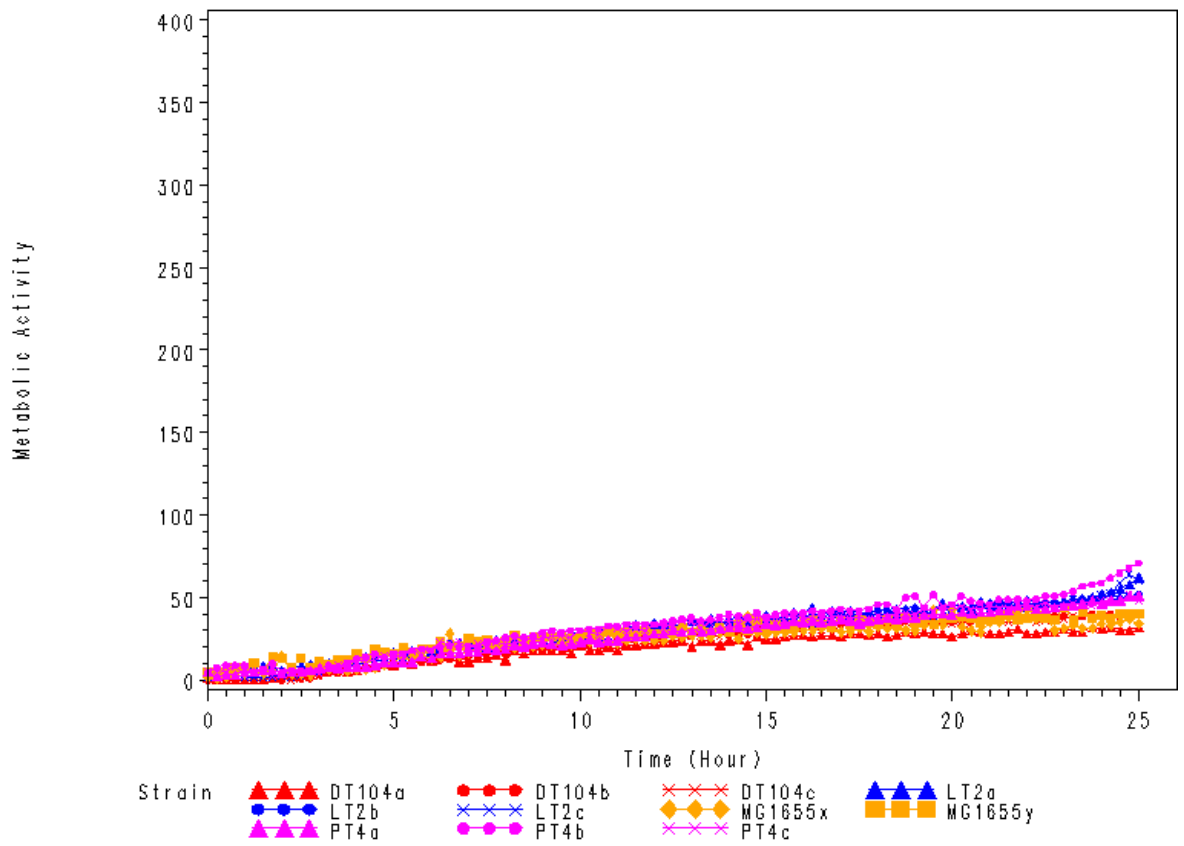
PM01, D09 (a-D-Lactose)



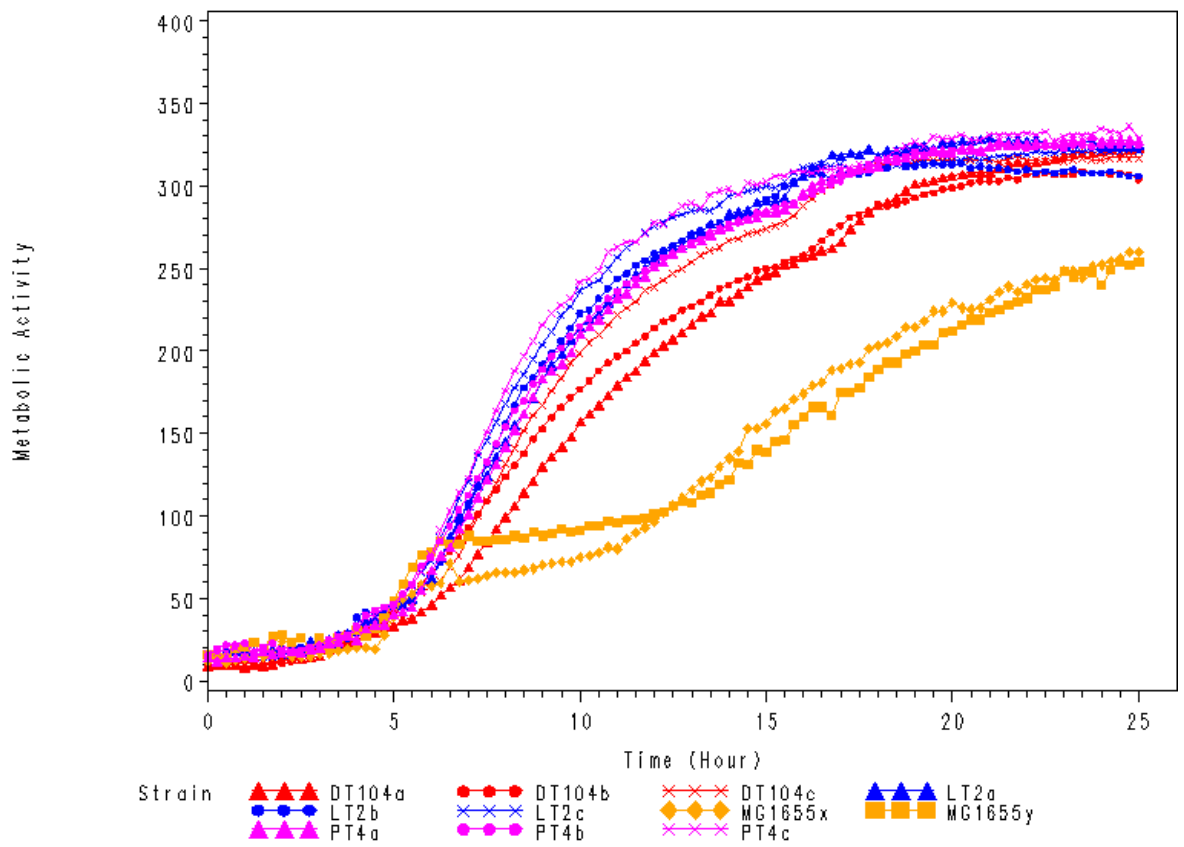
PM01, D10 (Lactulose)



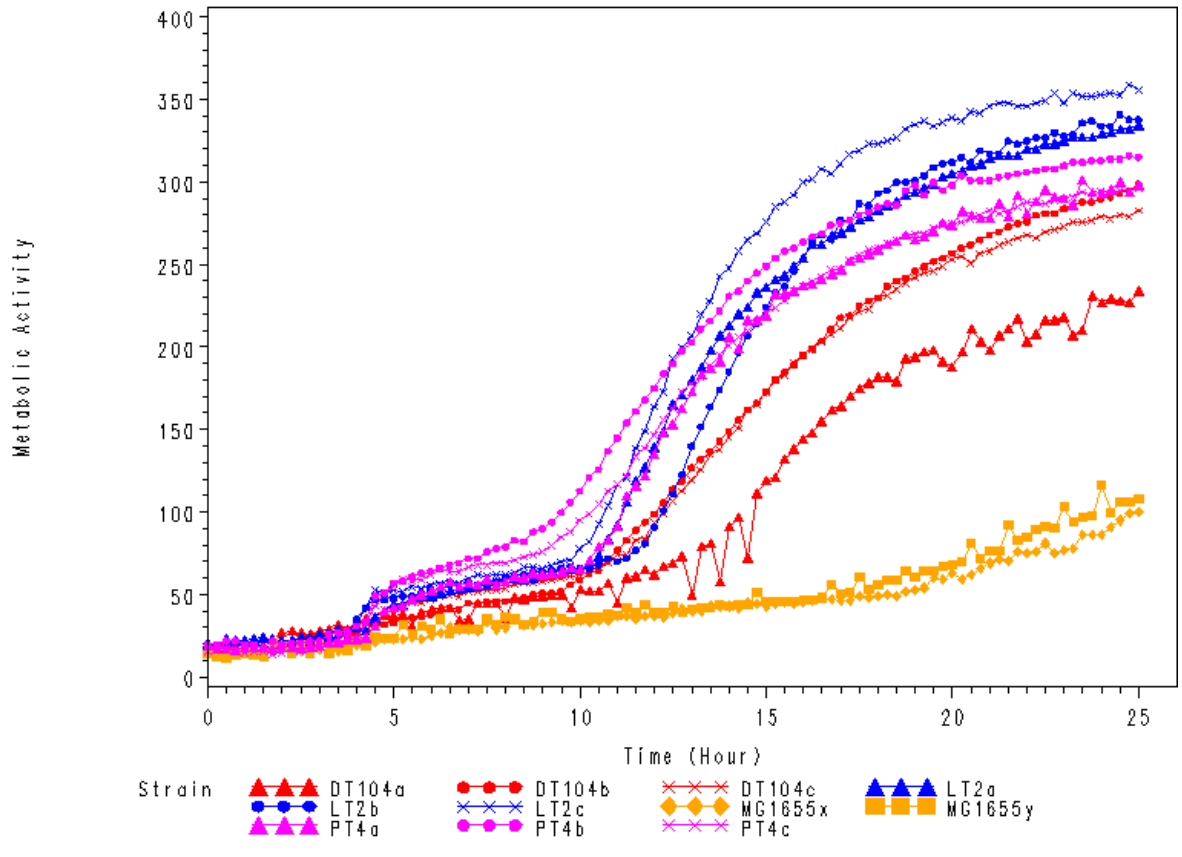
PM01, D11 (Sucrose)



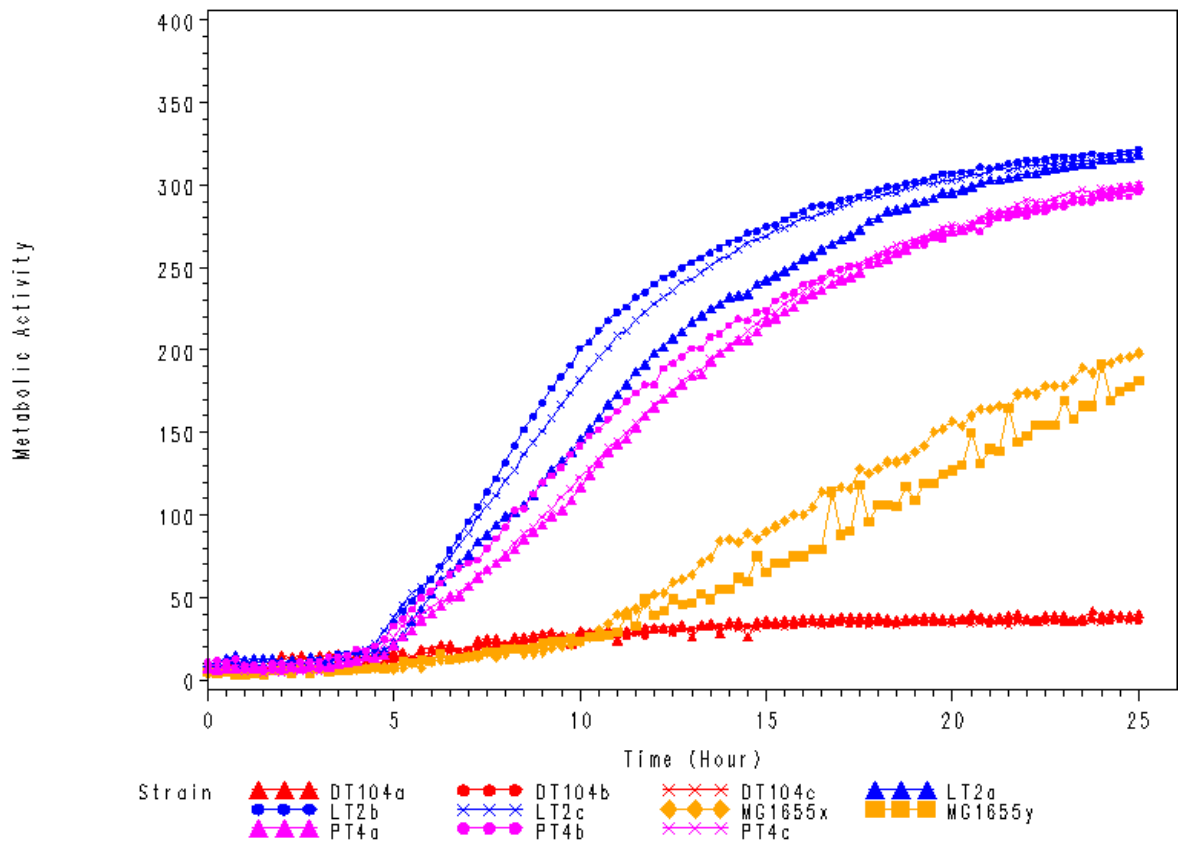
PM01, D12 (Uridine)



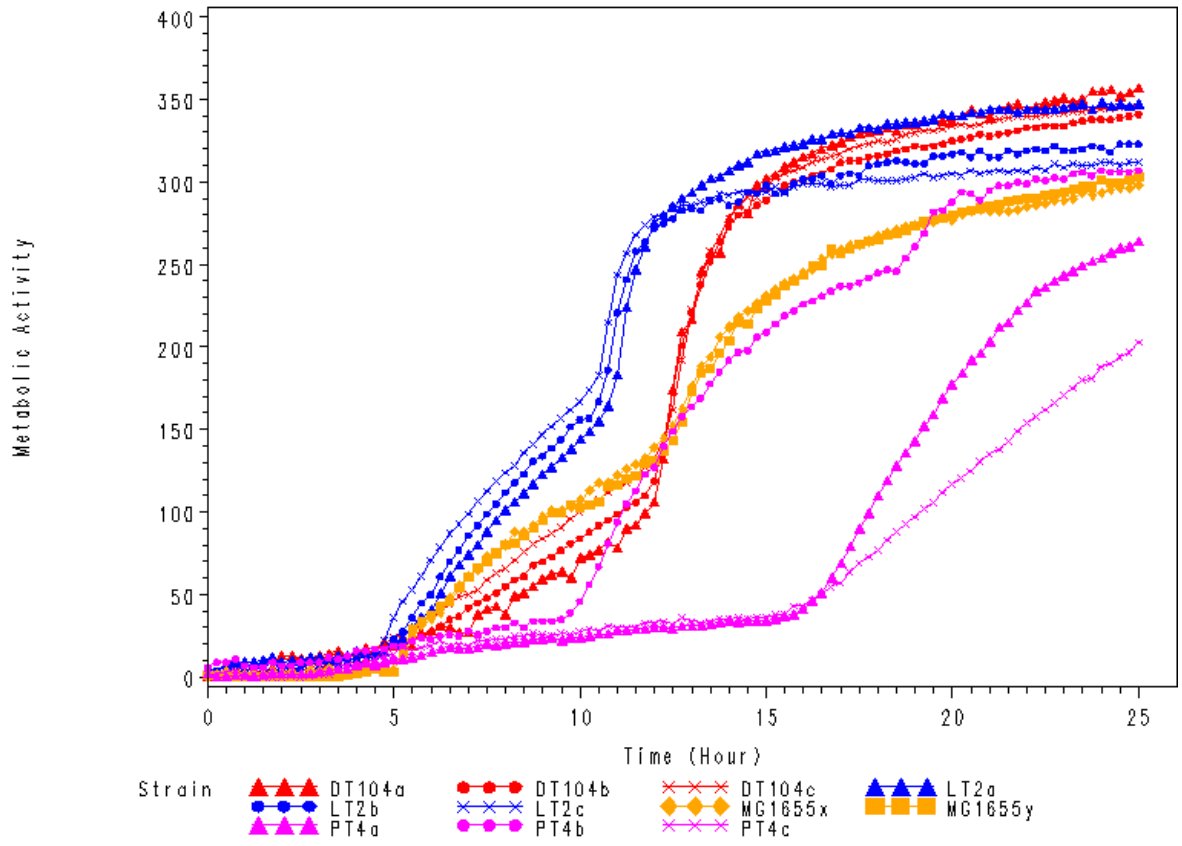
PM01, E01 (L—Glutamine)



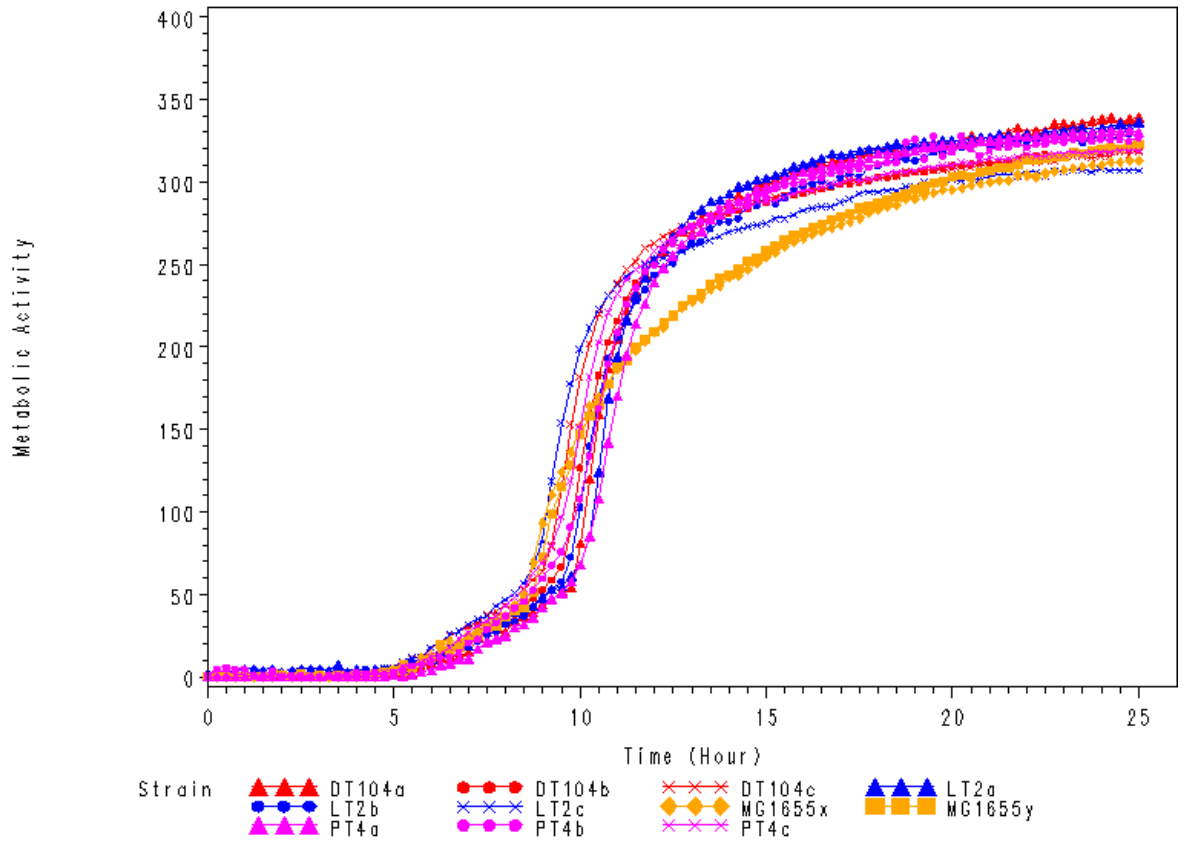
PM01, E02 (m—Tartaric Acid)



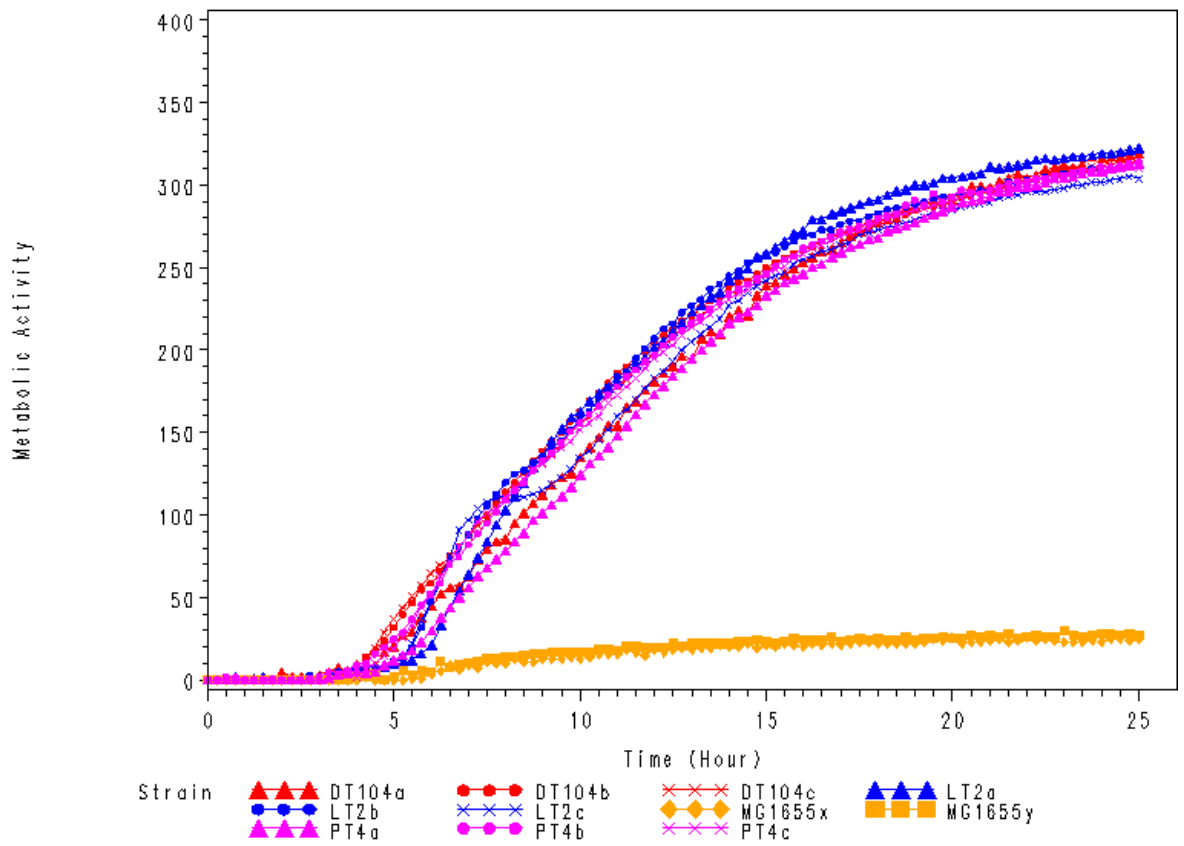
PM01, E03 (D—Glucose—1—Phosphate)



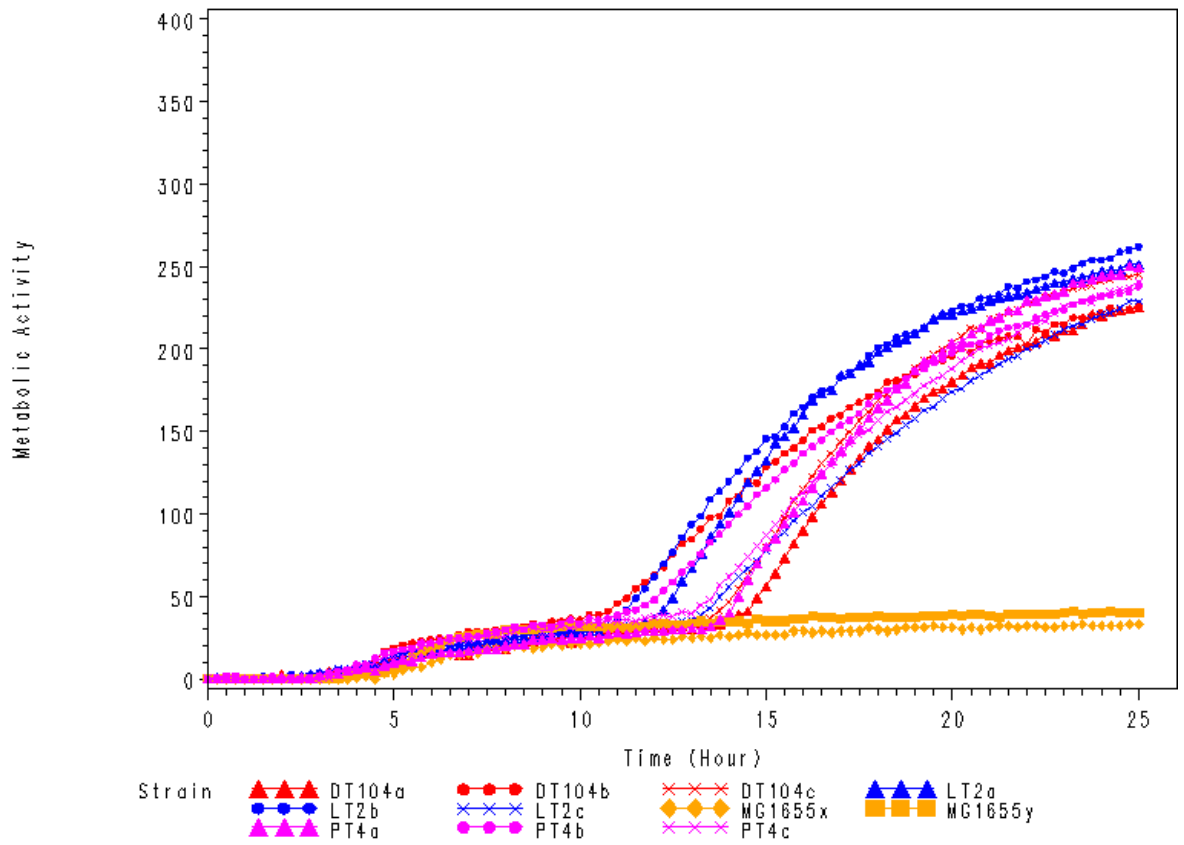
PM01, E04 (D—Fructose—6—Phosphate)

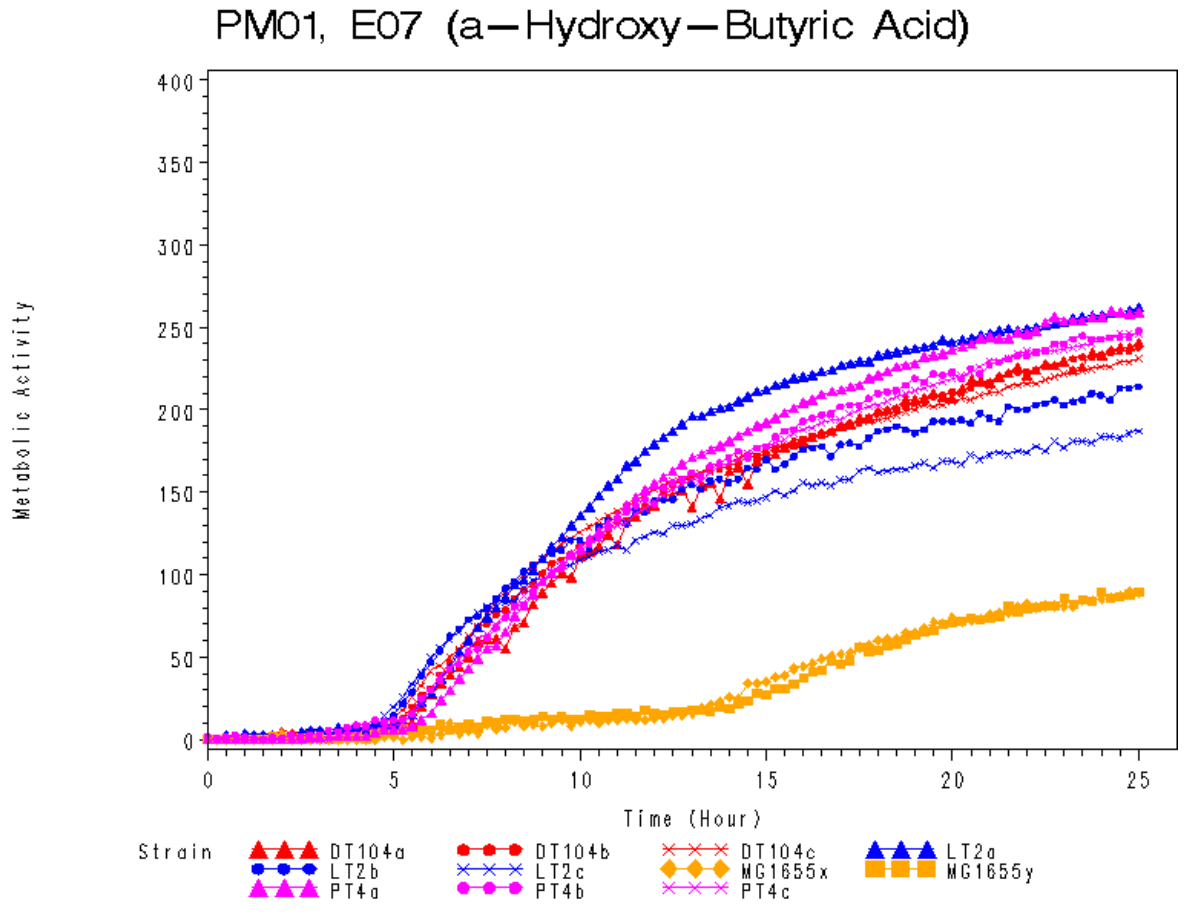


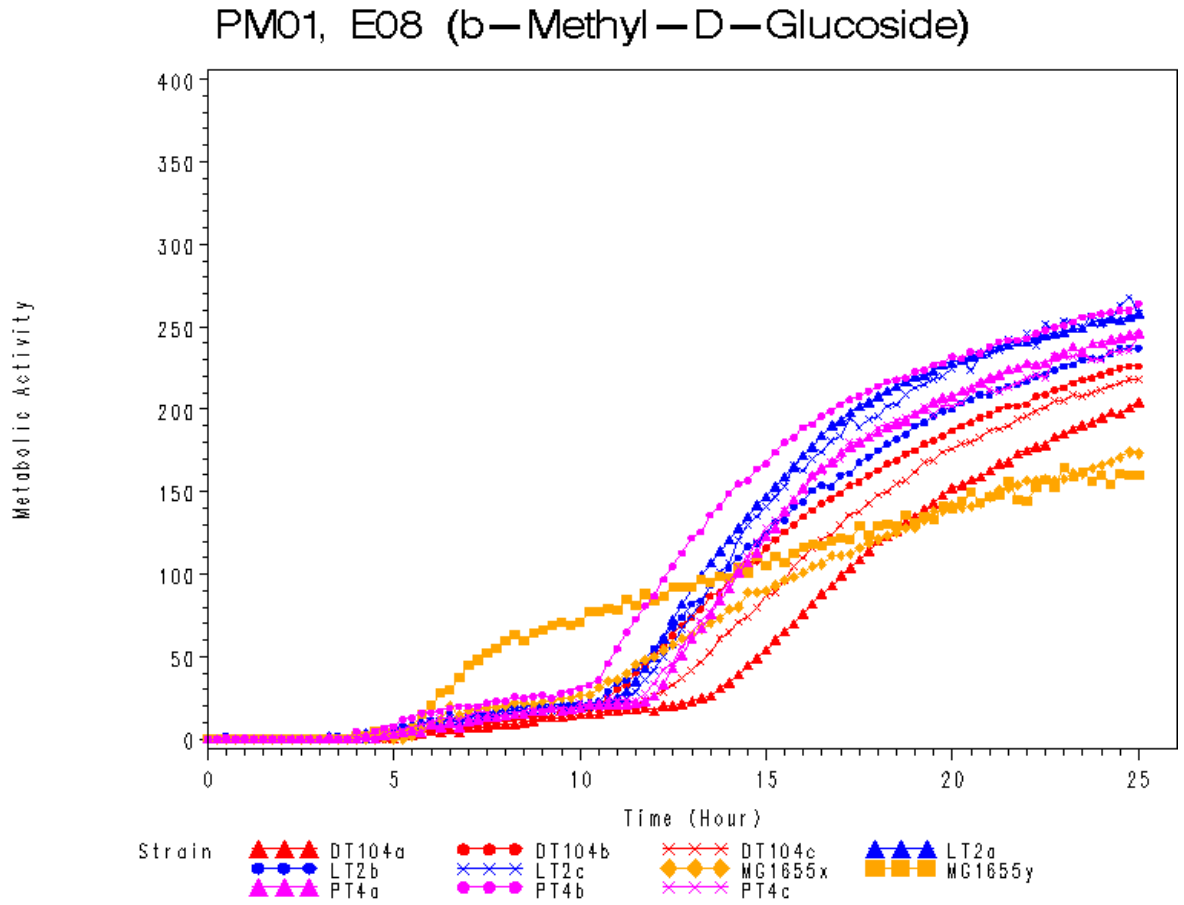
PM01, E05 (Tween 80)



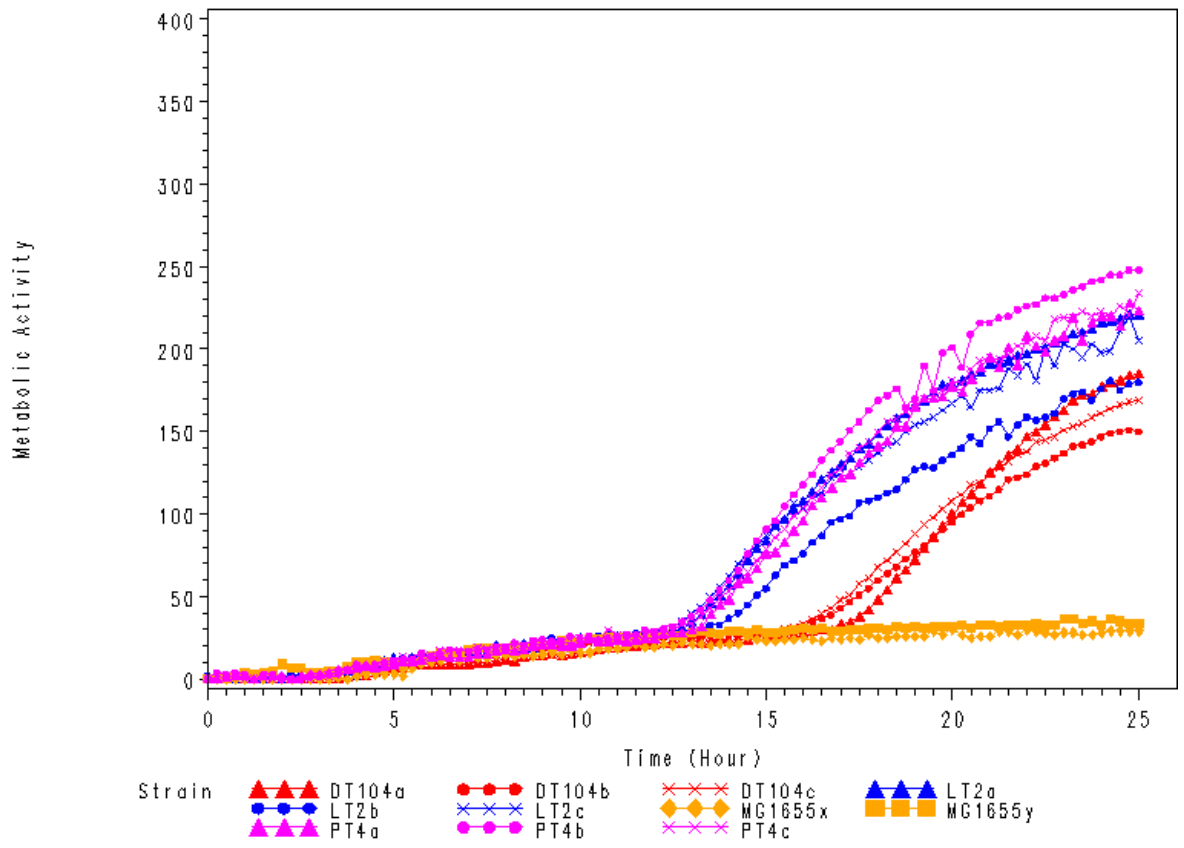
PM01, E06 (a—Hydroxy Glutaric Acid—g—Lactone)



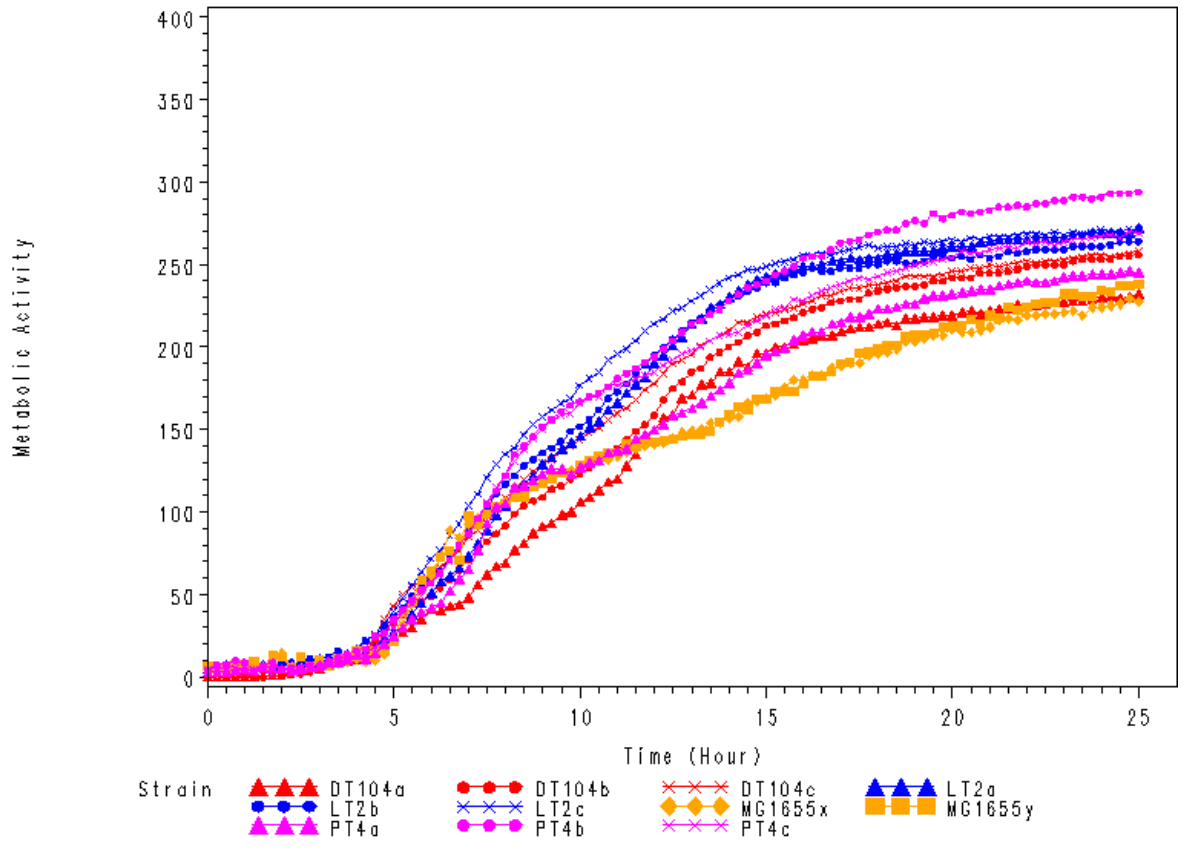




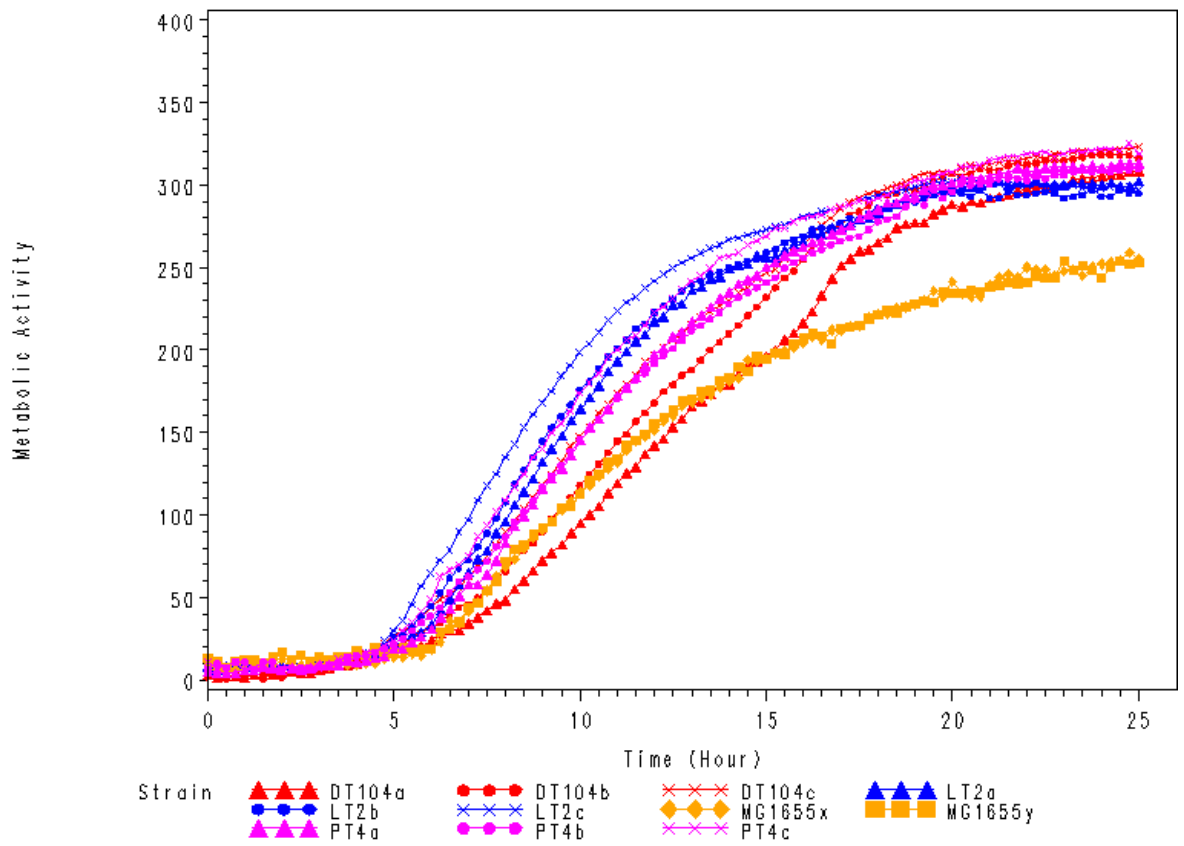
PM01, E09 (Adonitol)



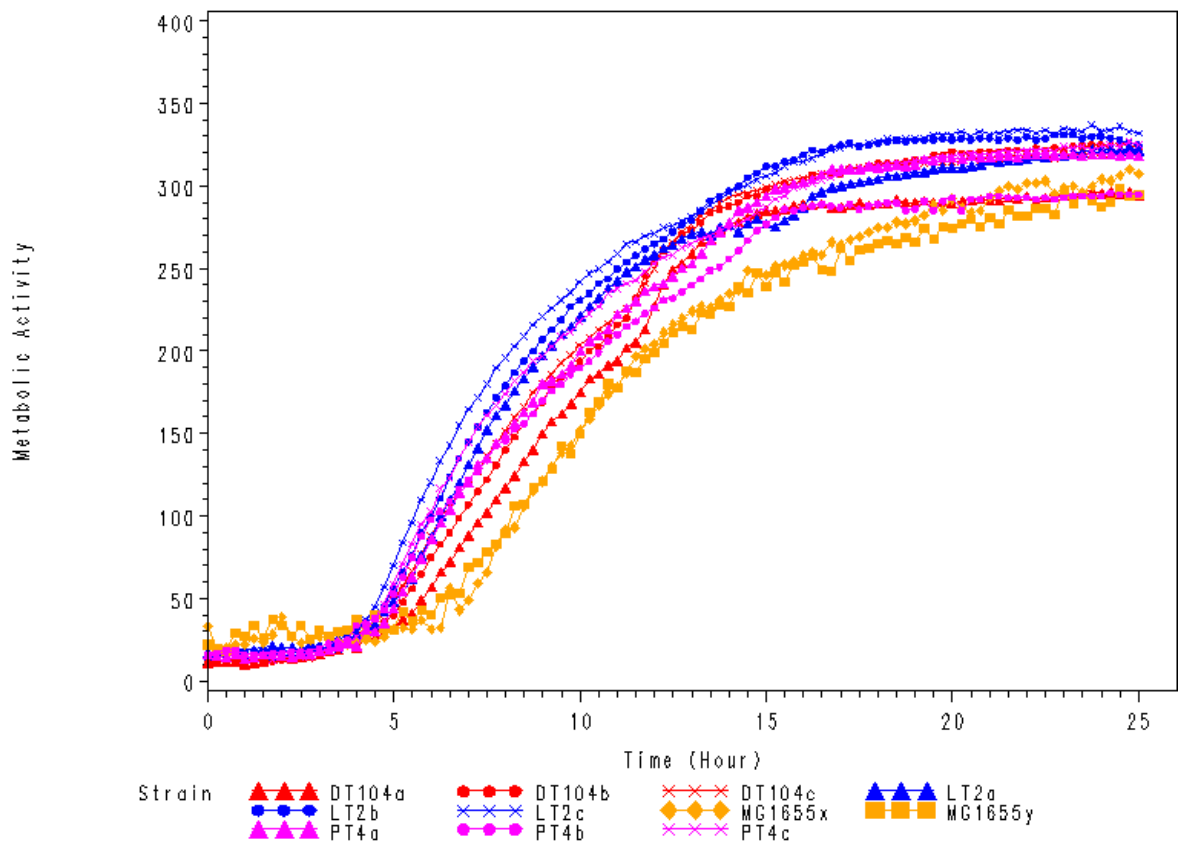
PM01, E10 (Maltotriose)



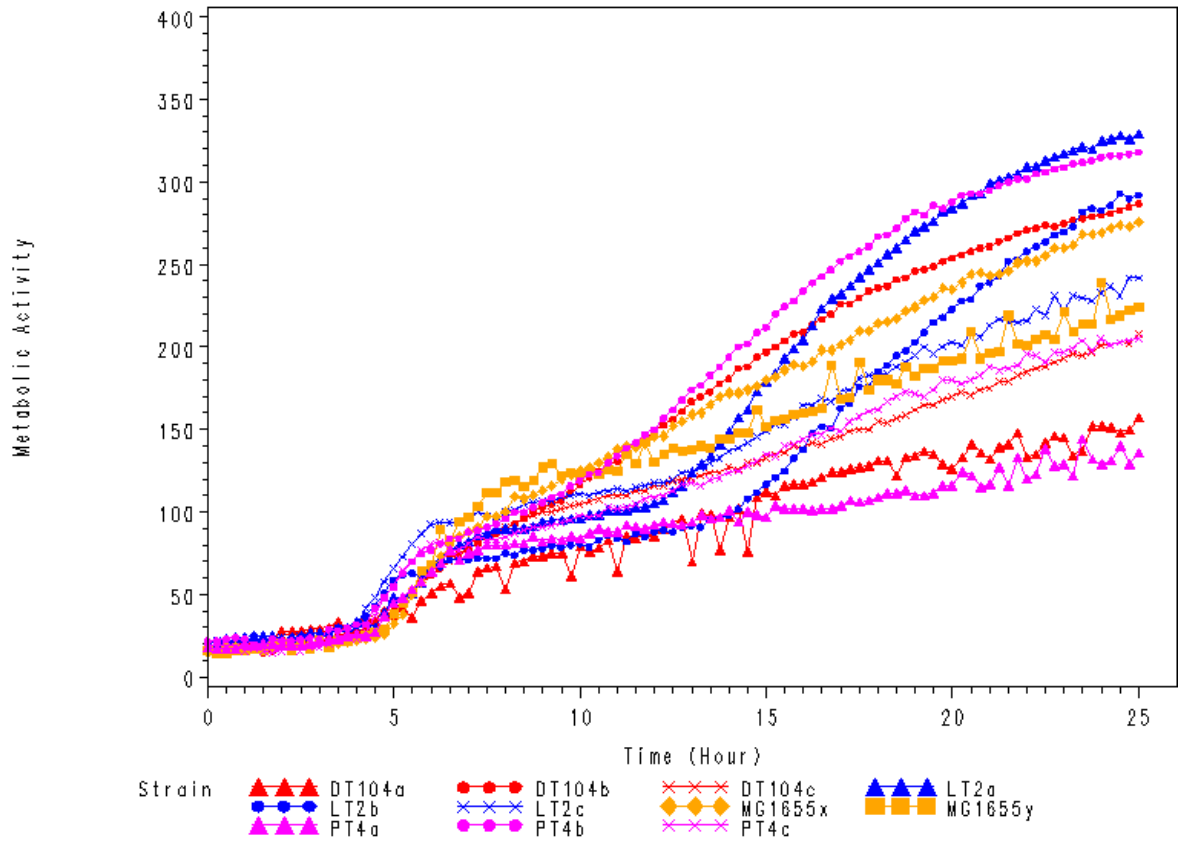
PM01, E11 (2`—Deoxy—Adenosine)



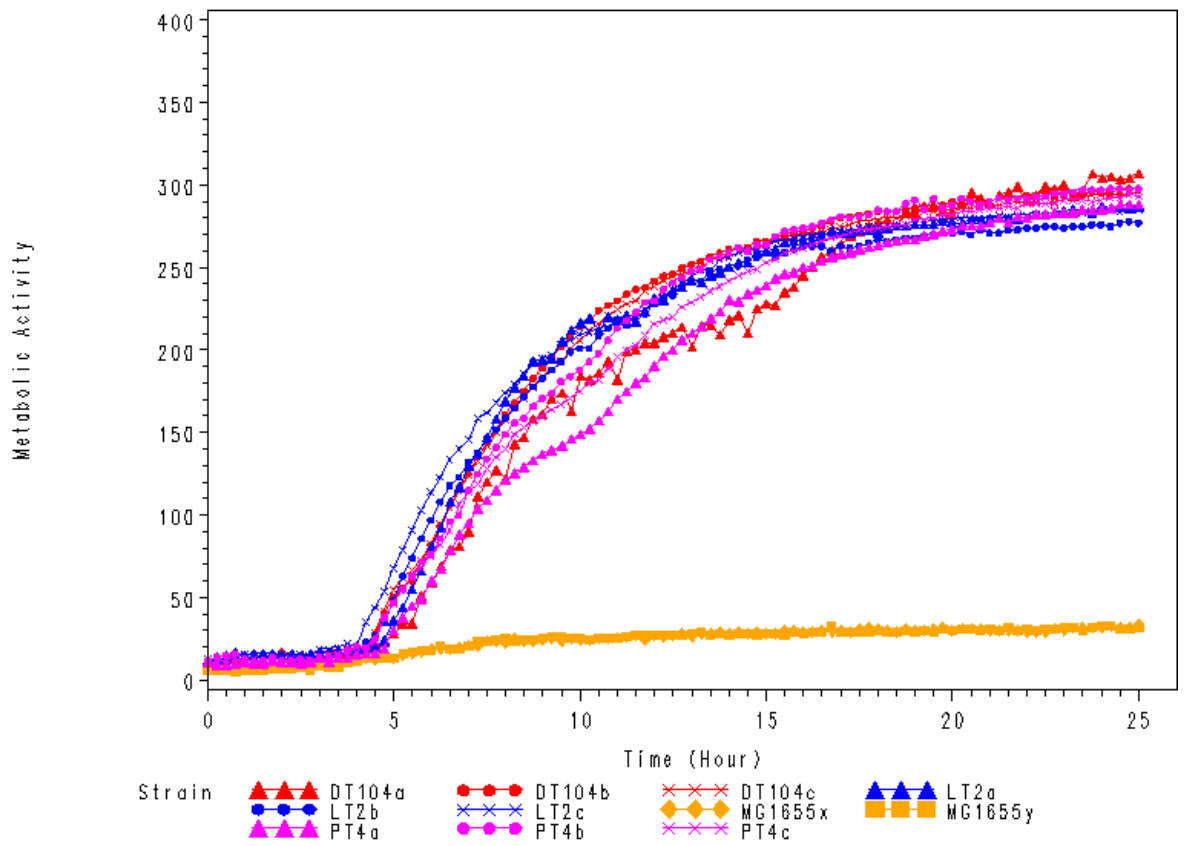
PM01, E12 (Adenosine)



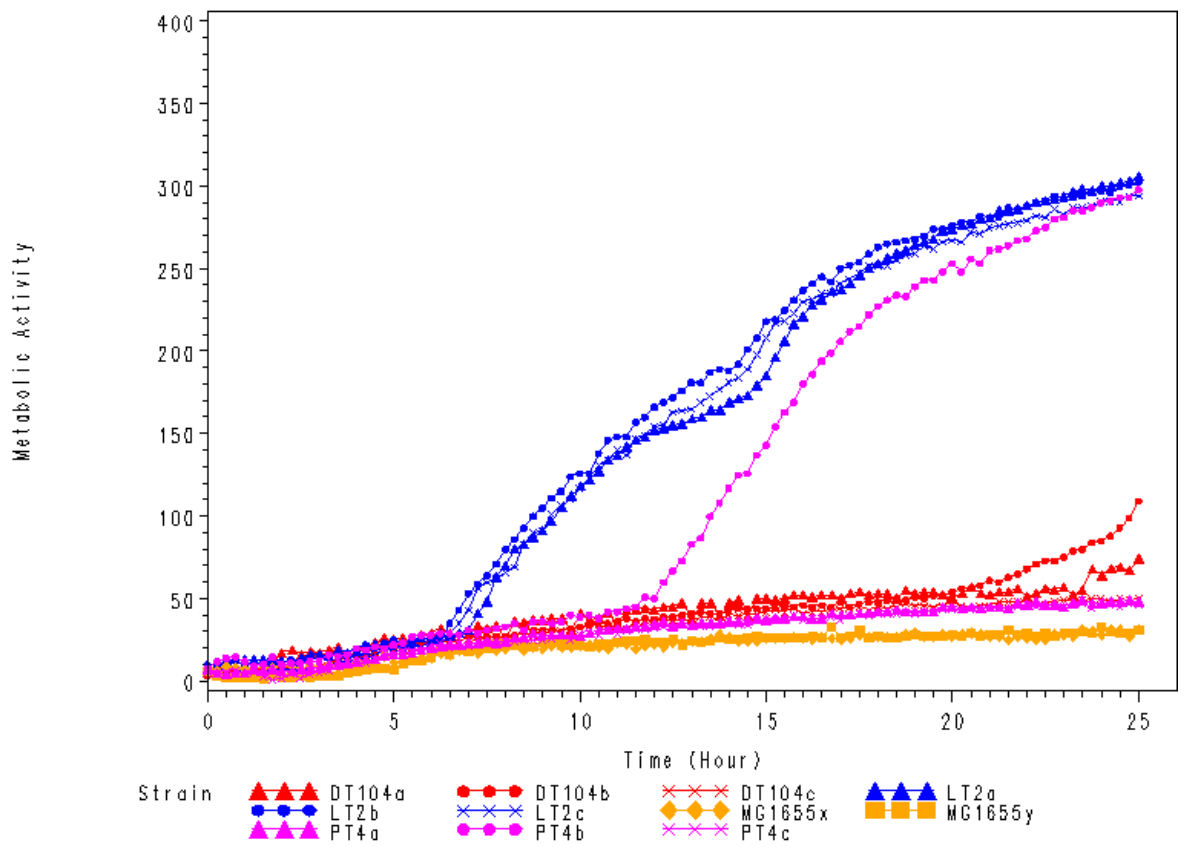
PM01, F01 (Glycyl—L—Aspartic Acid)

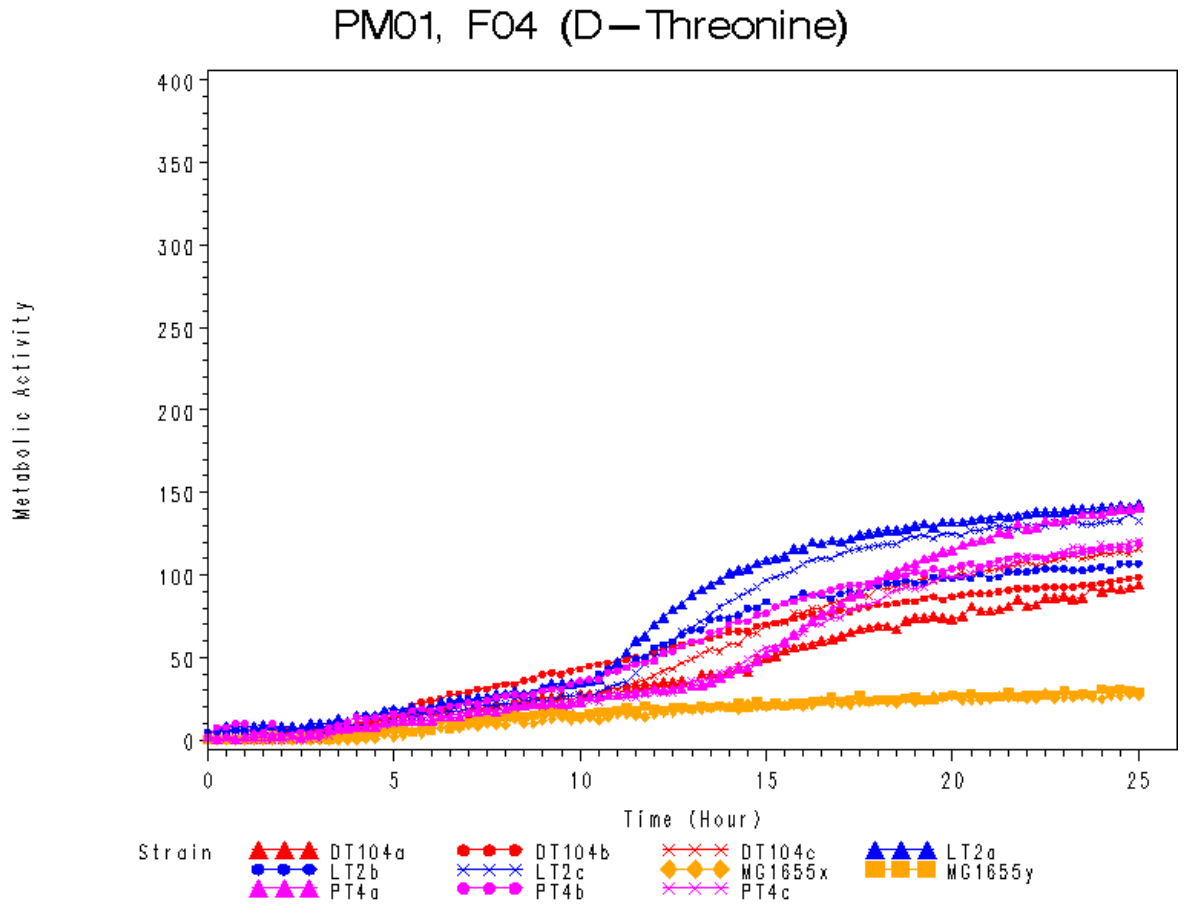


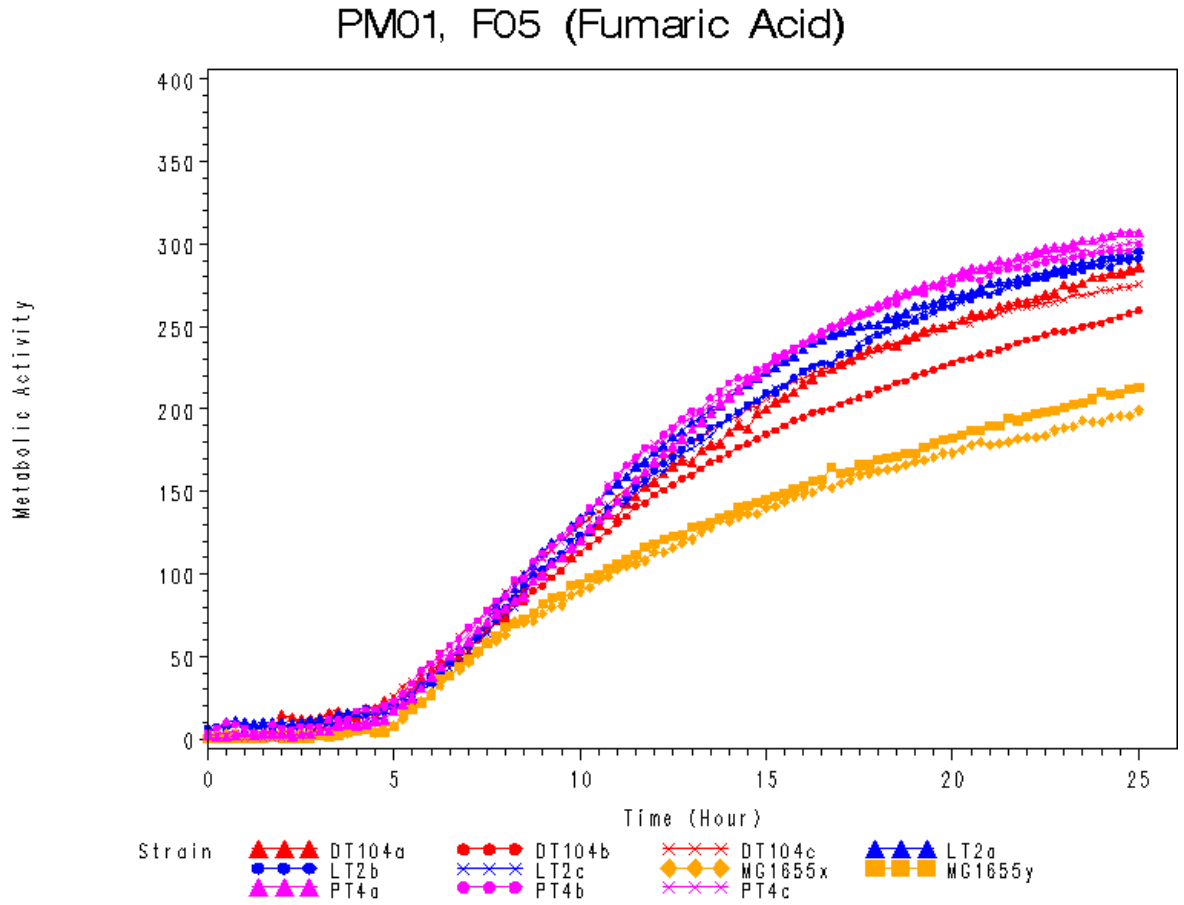
PM01, F02 (Citric Acid)



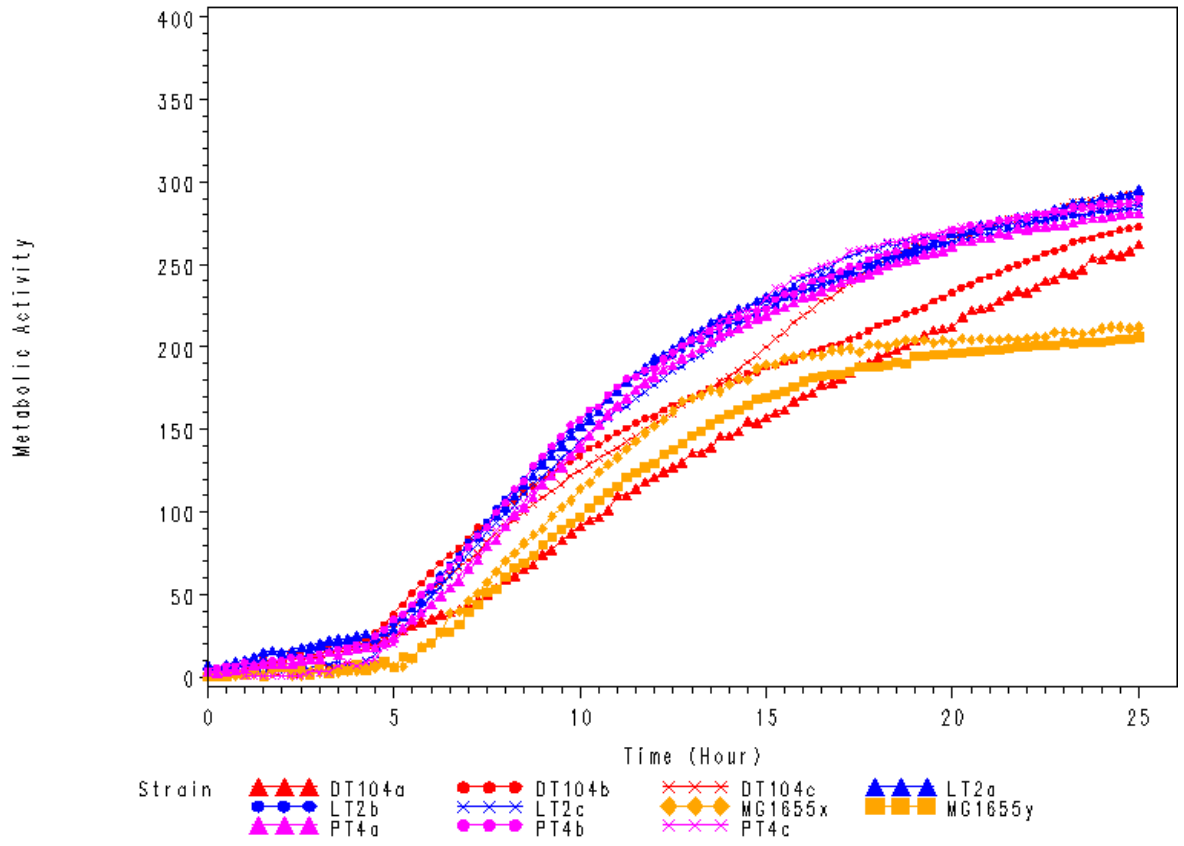
PM01, F03 (m—Inositol)



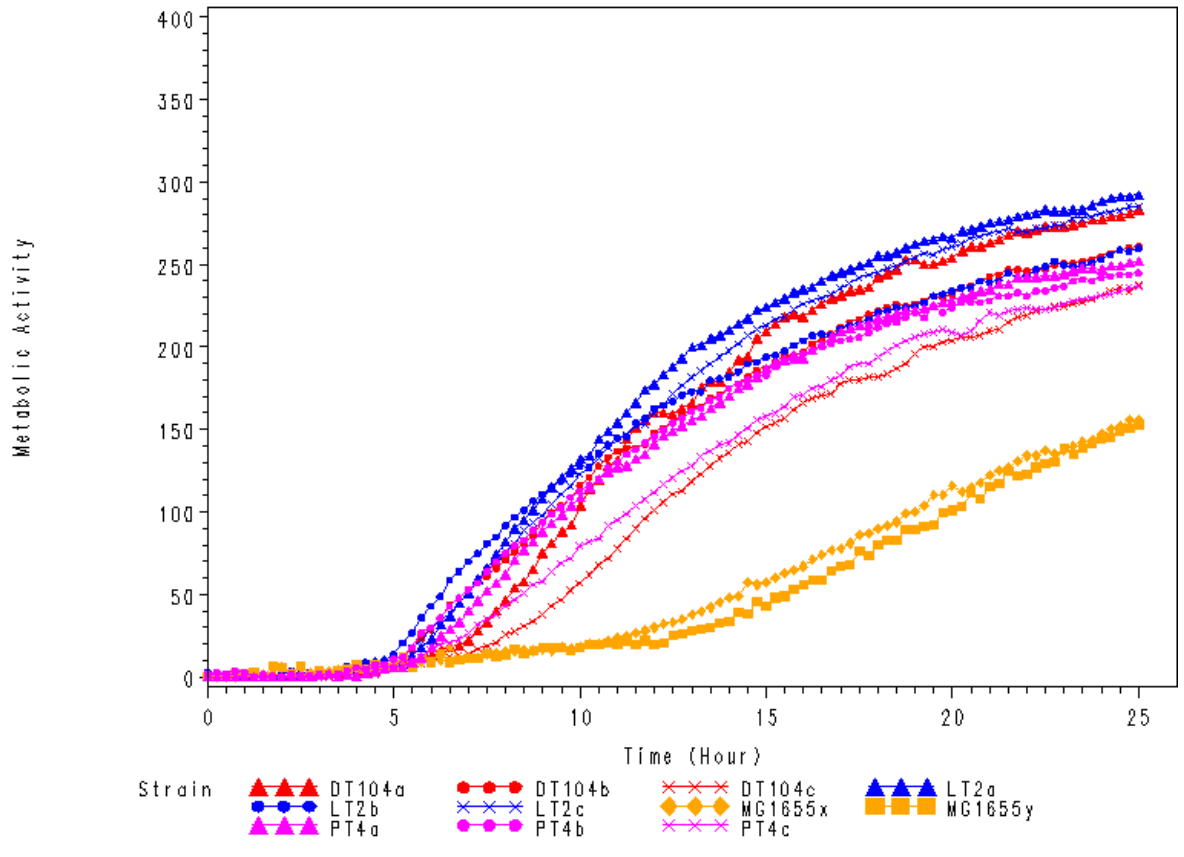




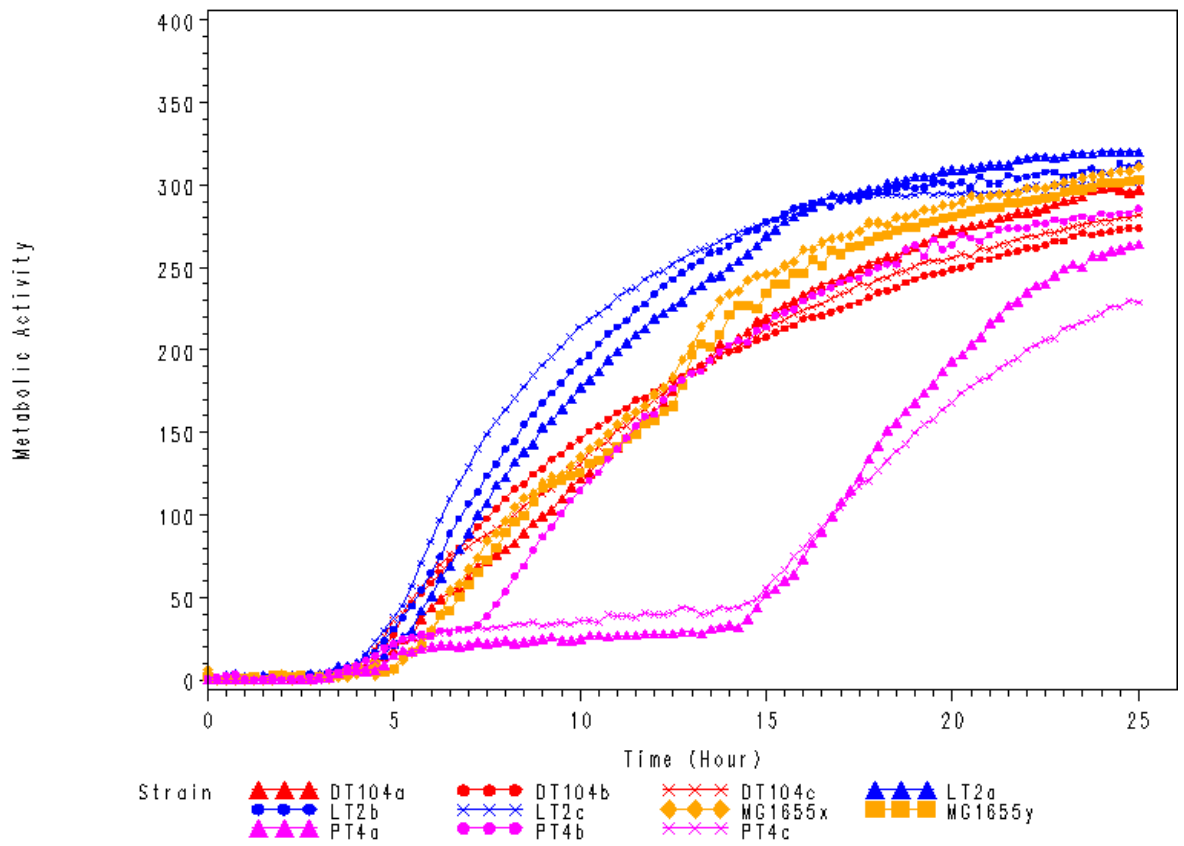
PM01, F06 (Bromo—Succinic Acid)



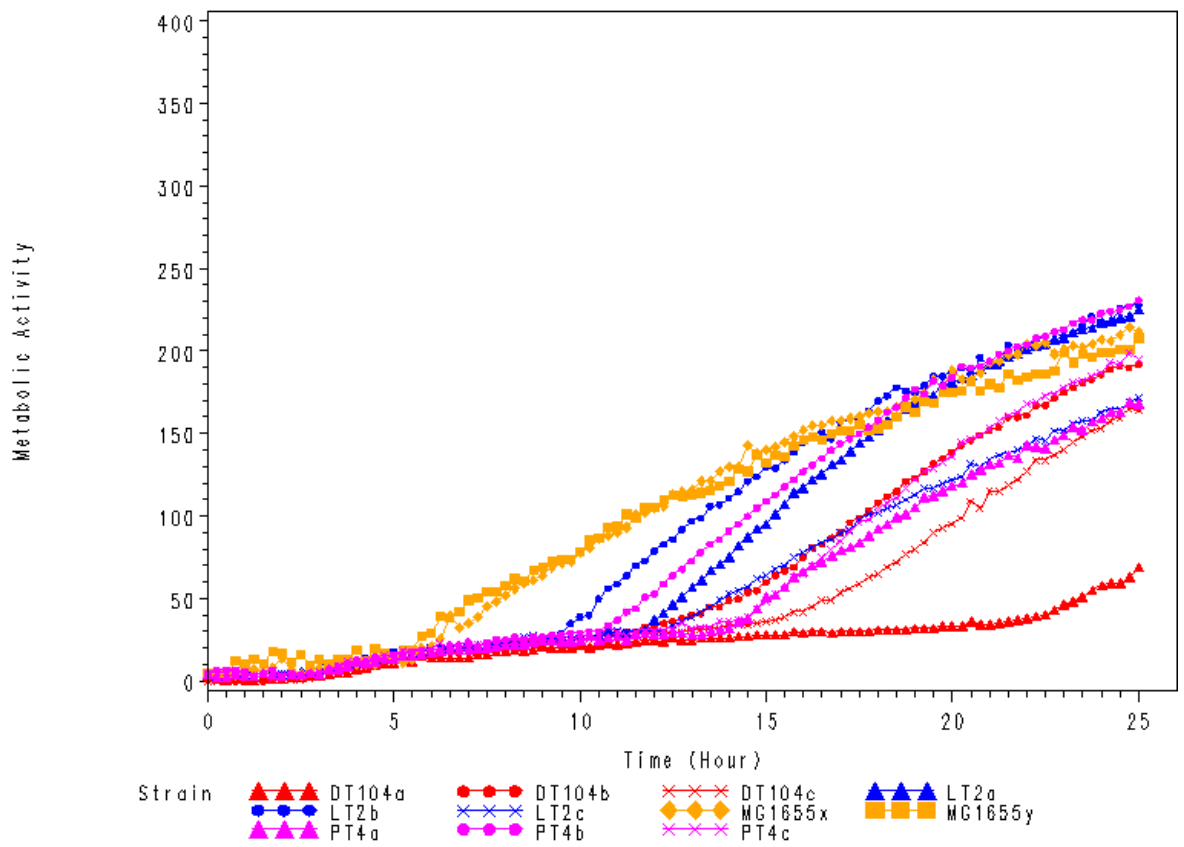
PM01, F07 (Propionic Acid)



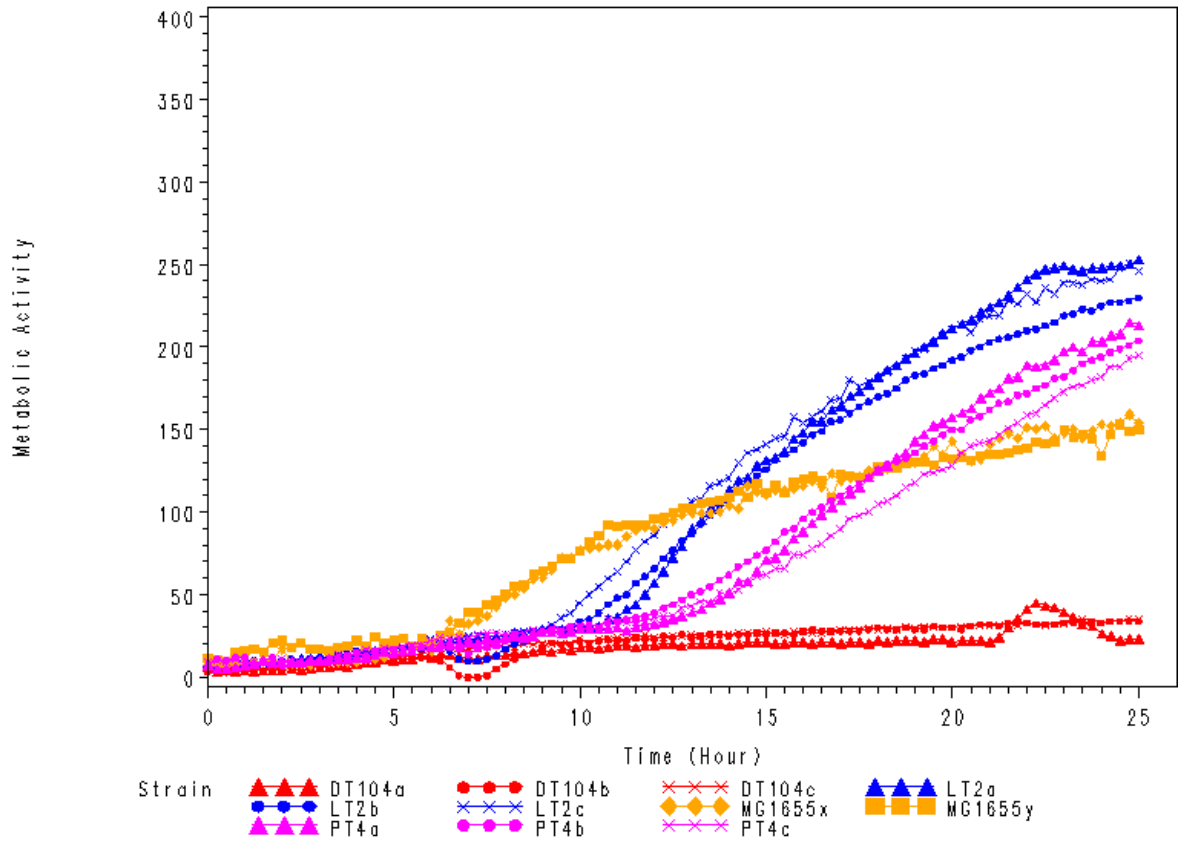
PM01, F08 (Mucic Acid)



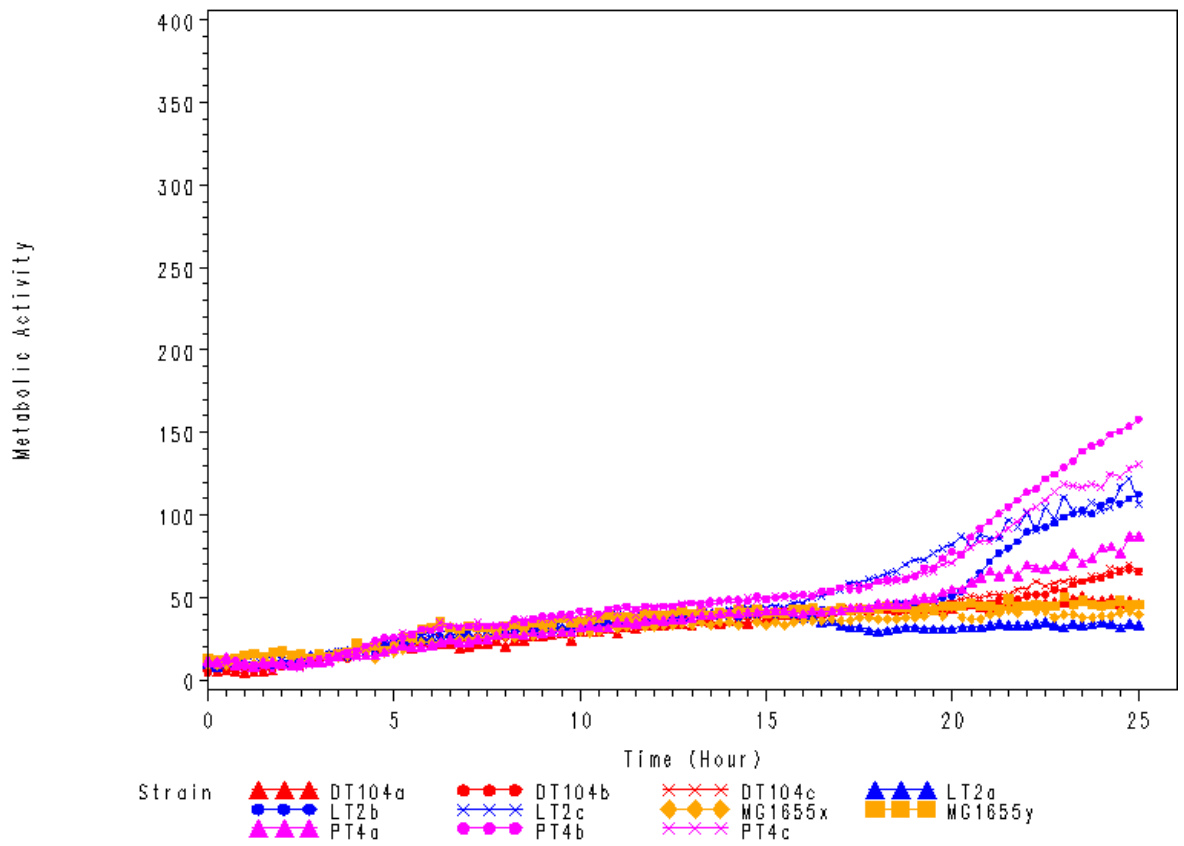
PM01, F09 (Glycolic Acid)



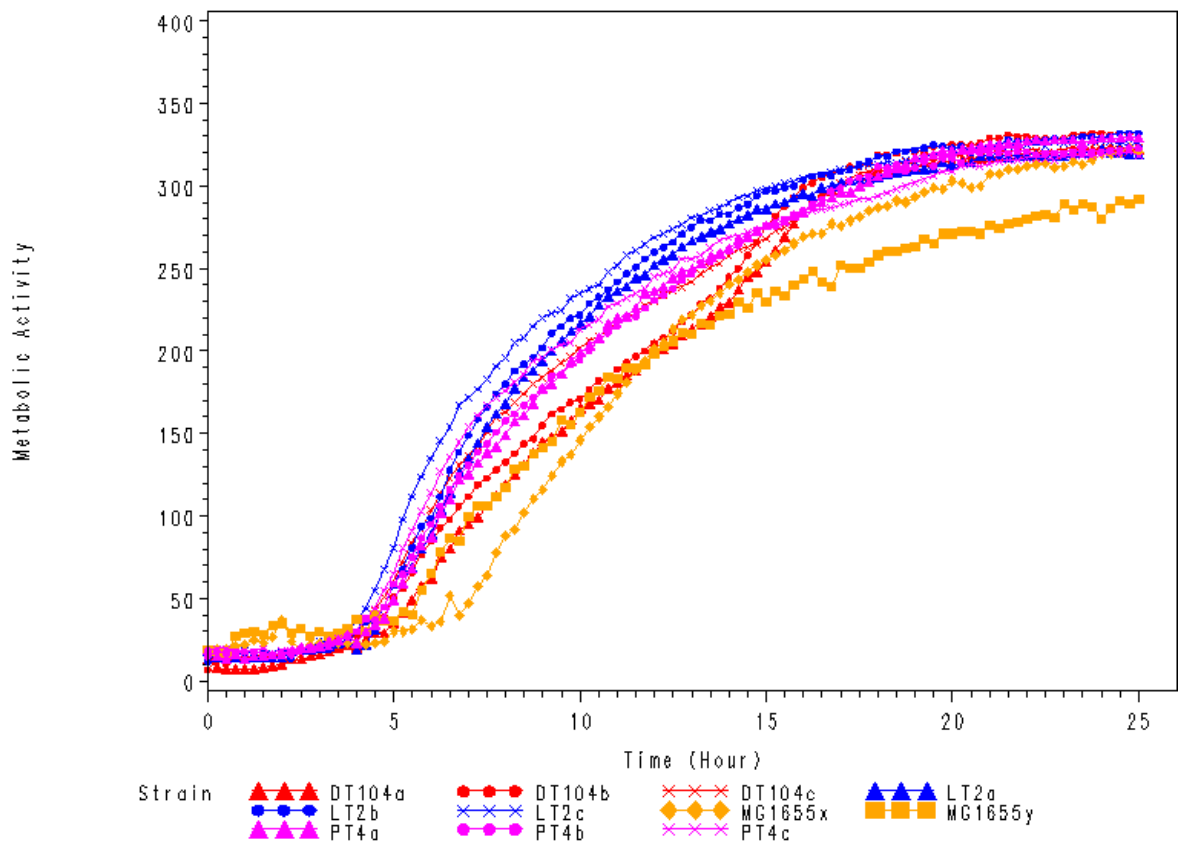
PM01, F10 (Glyoxylic Acid)



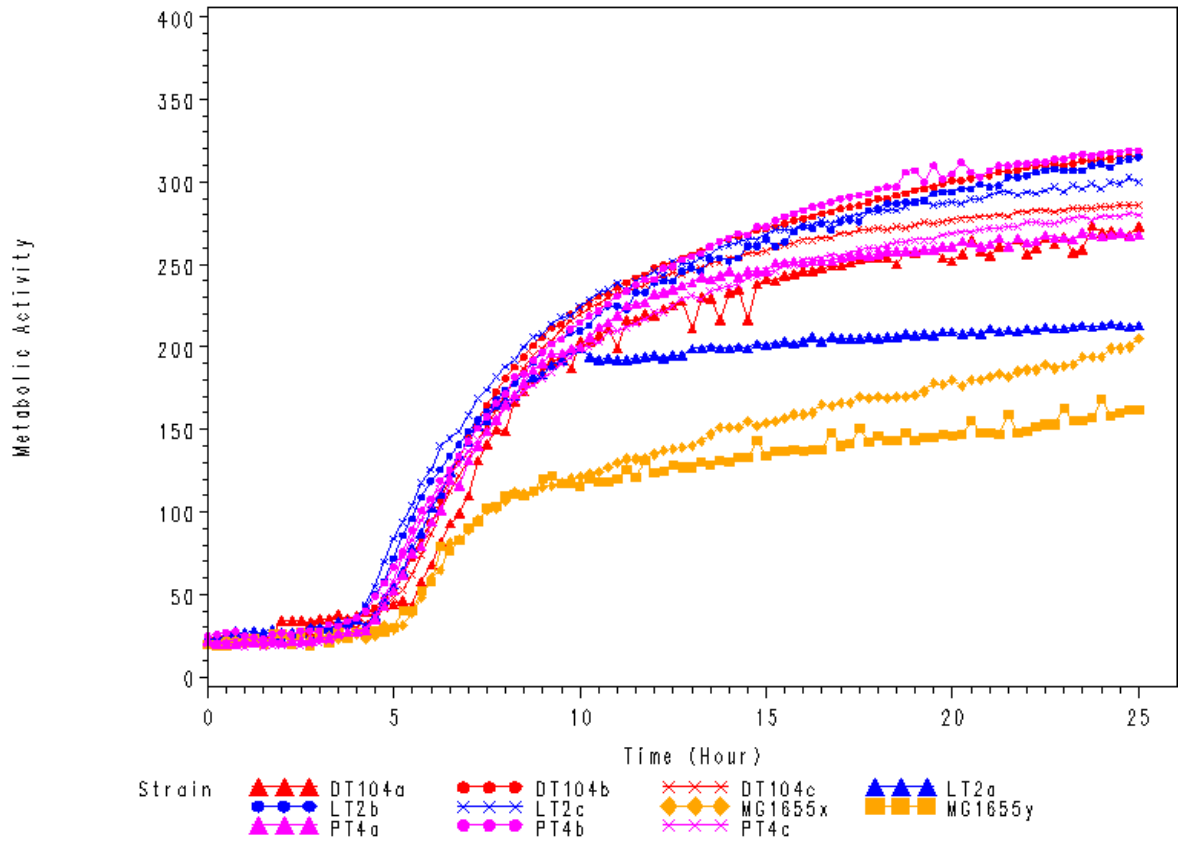
PM01, F11 (D-Cellobiose)



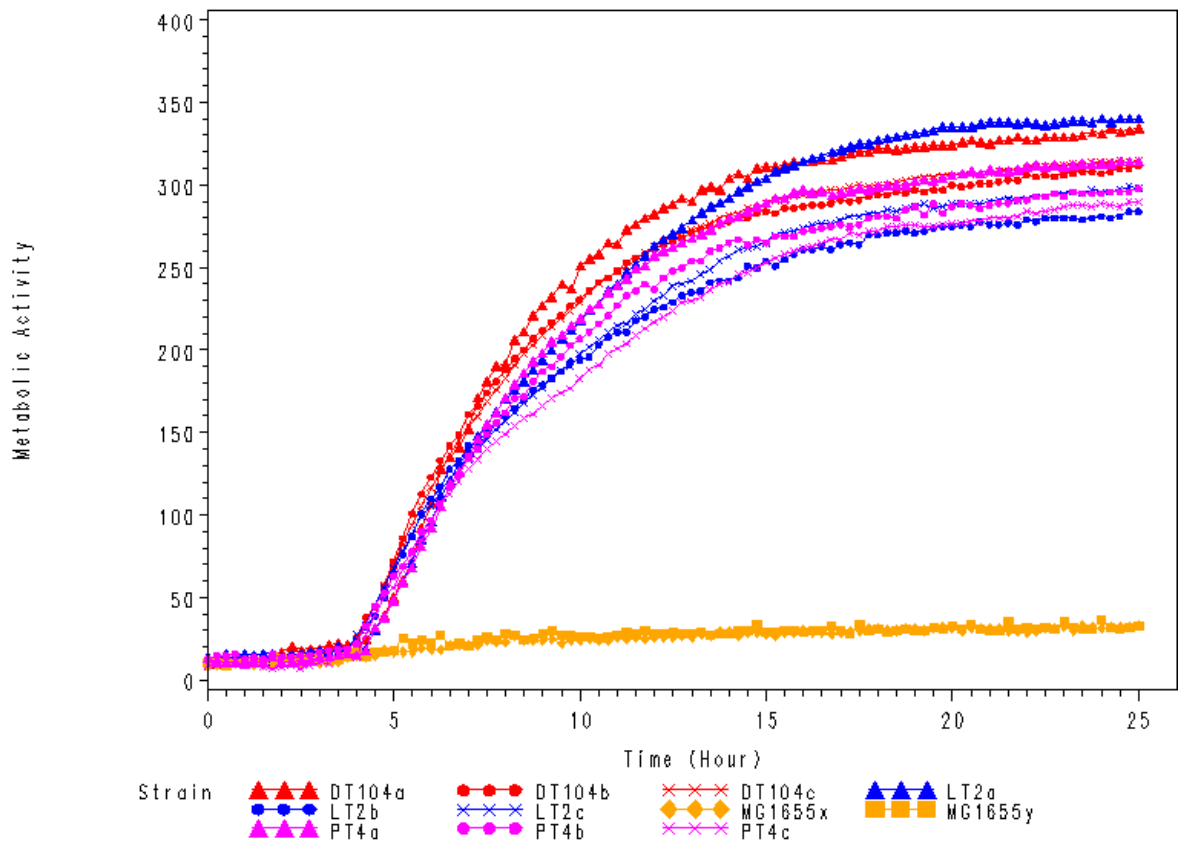
PM01, F12 (Inosine)



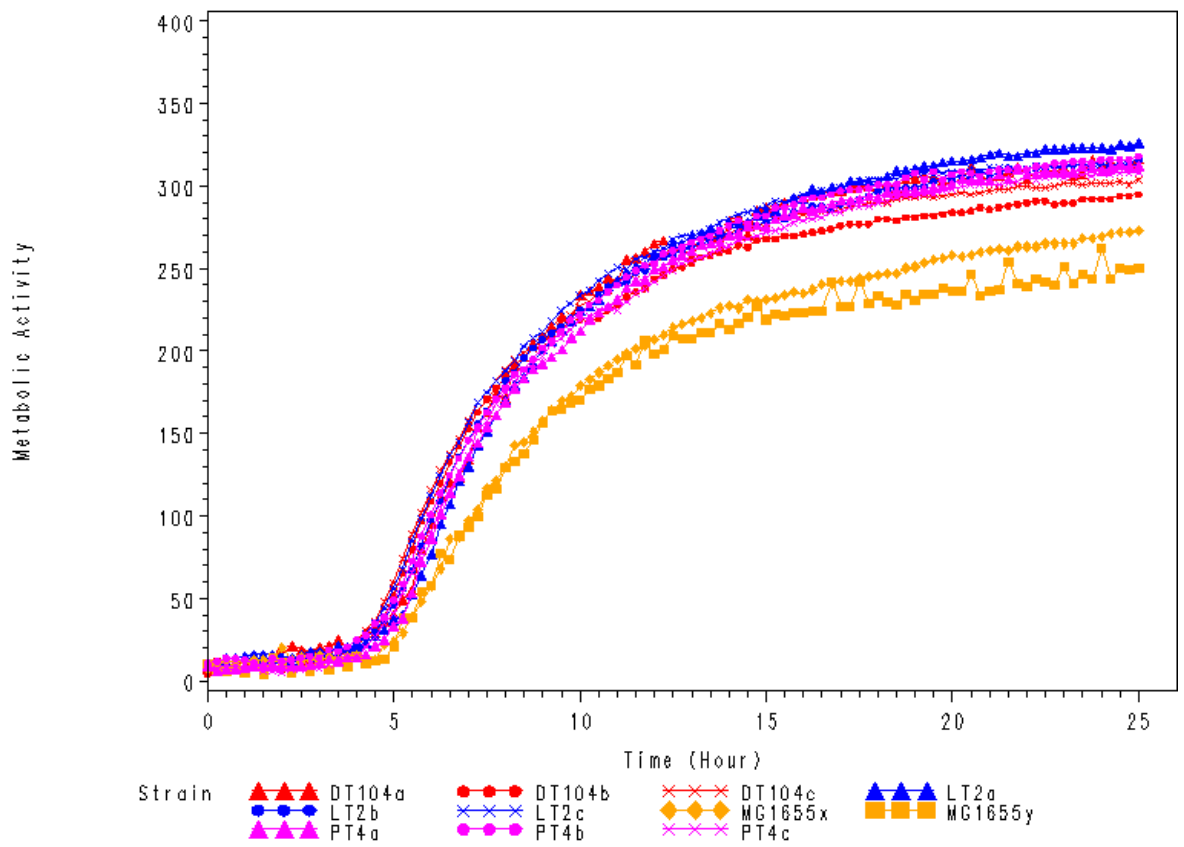
PM01, G01 (Glycyl—L—Glutamic Acid)



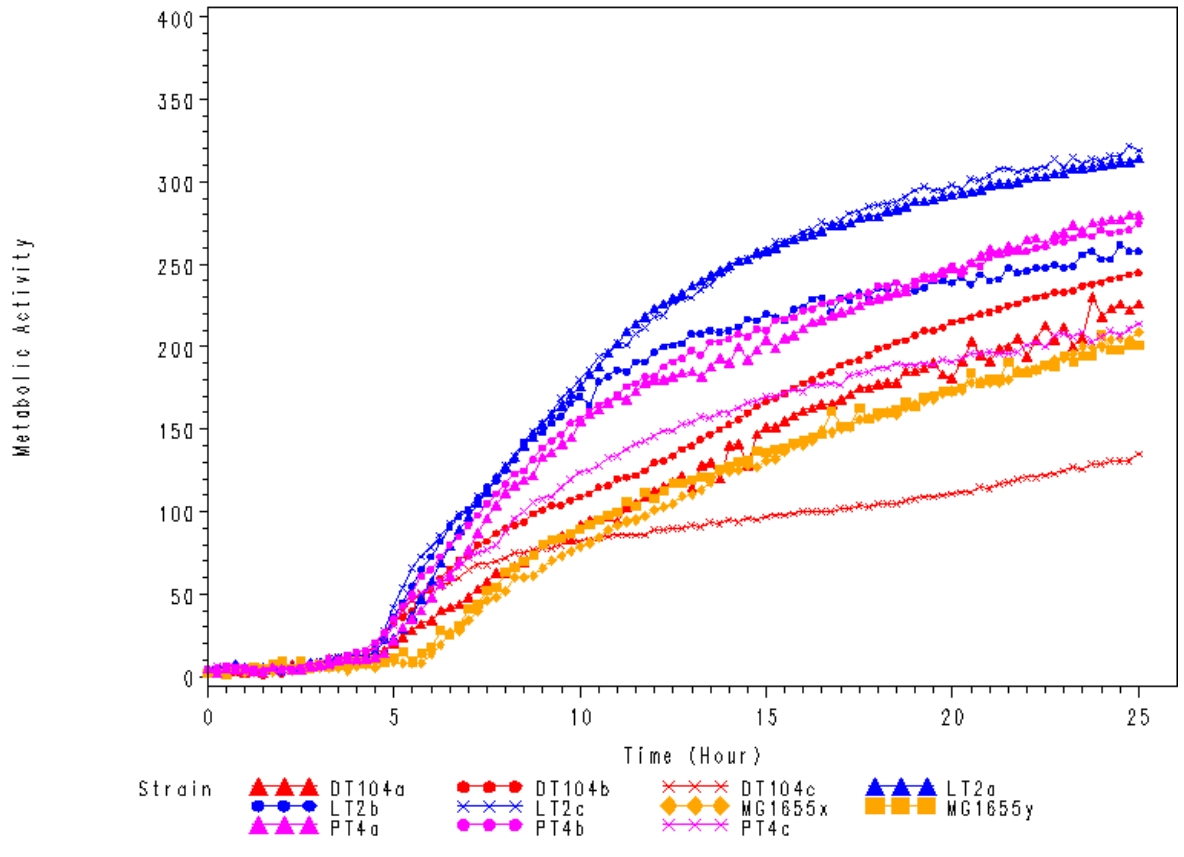
PM01, G02 (Tricarballylic Acid)



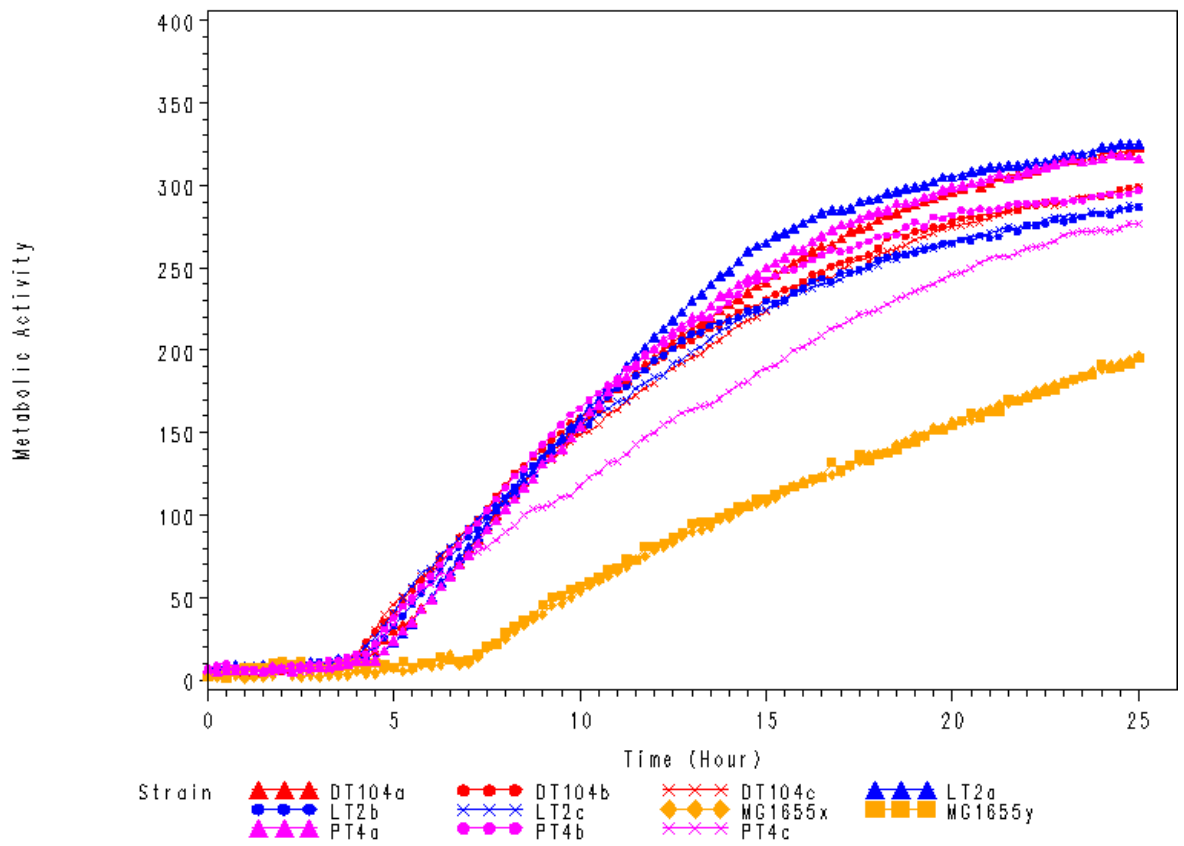
PM01, G03 (L—Serine)



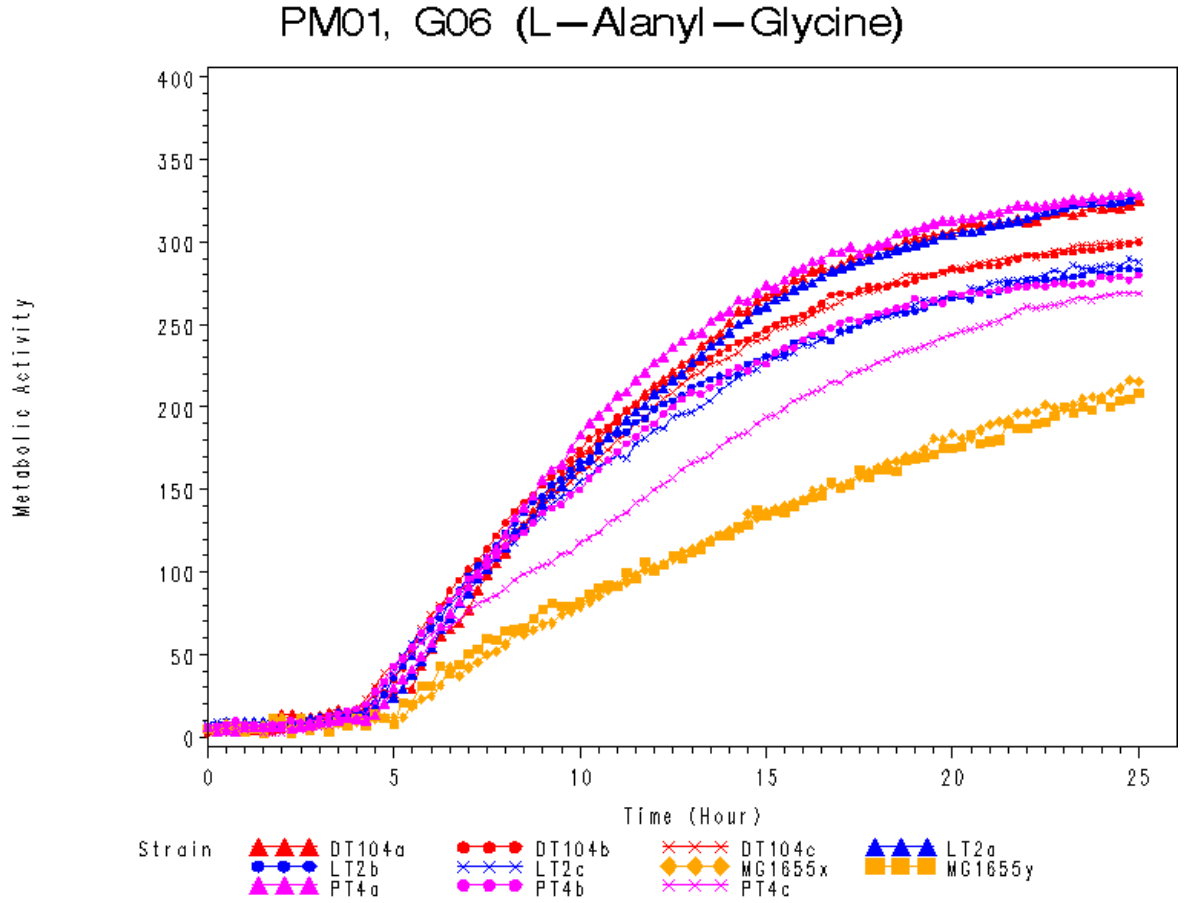
PM01, G04 (L-Threonine)



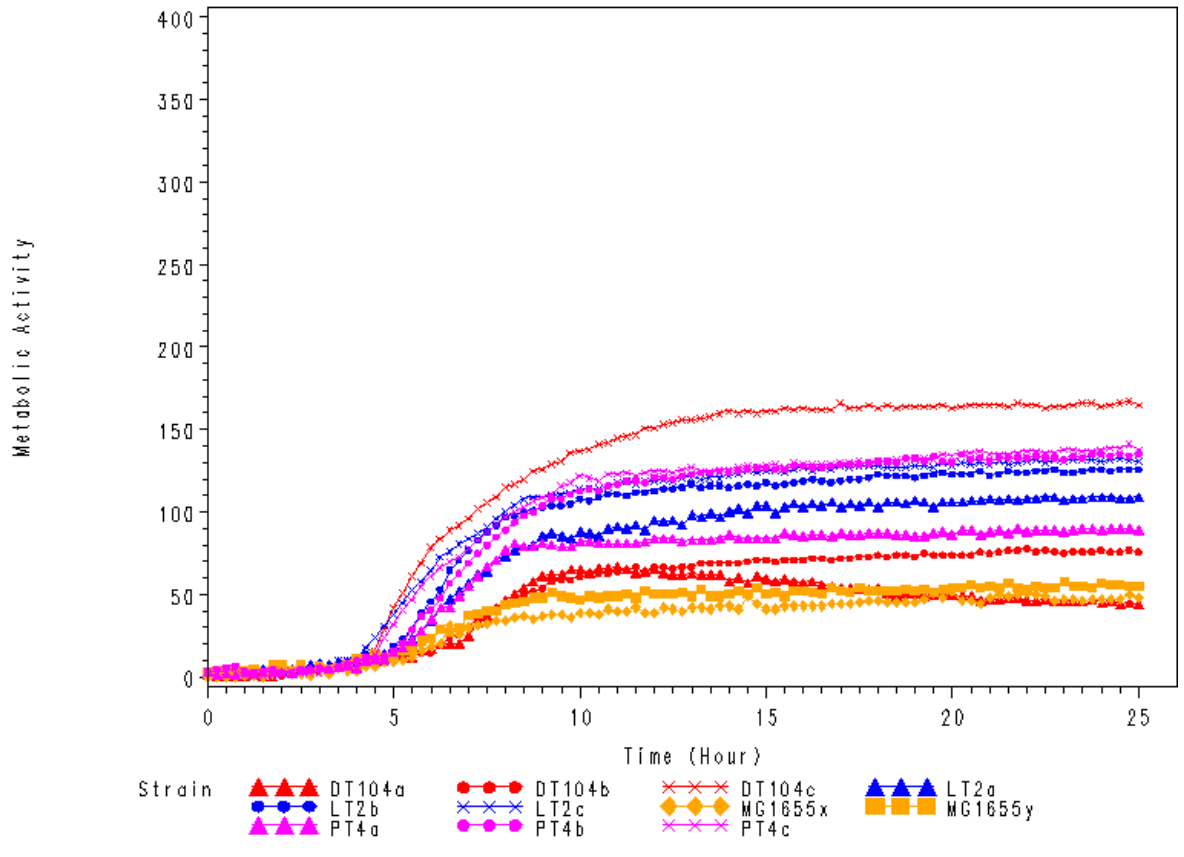
PM01, G05 (L-Alanine)



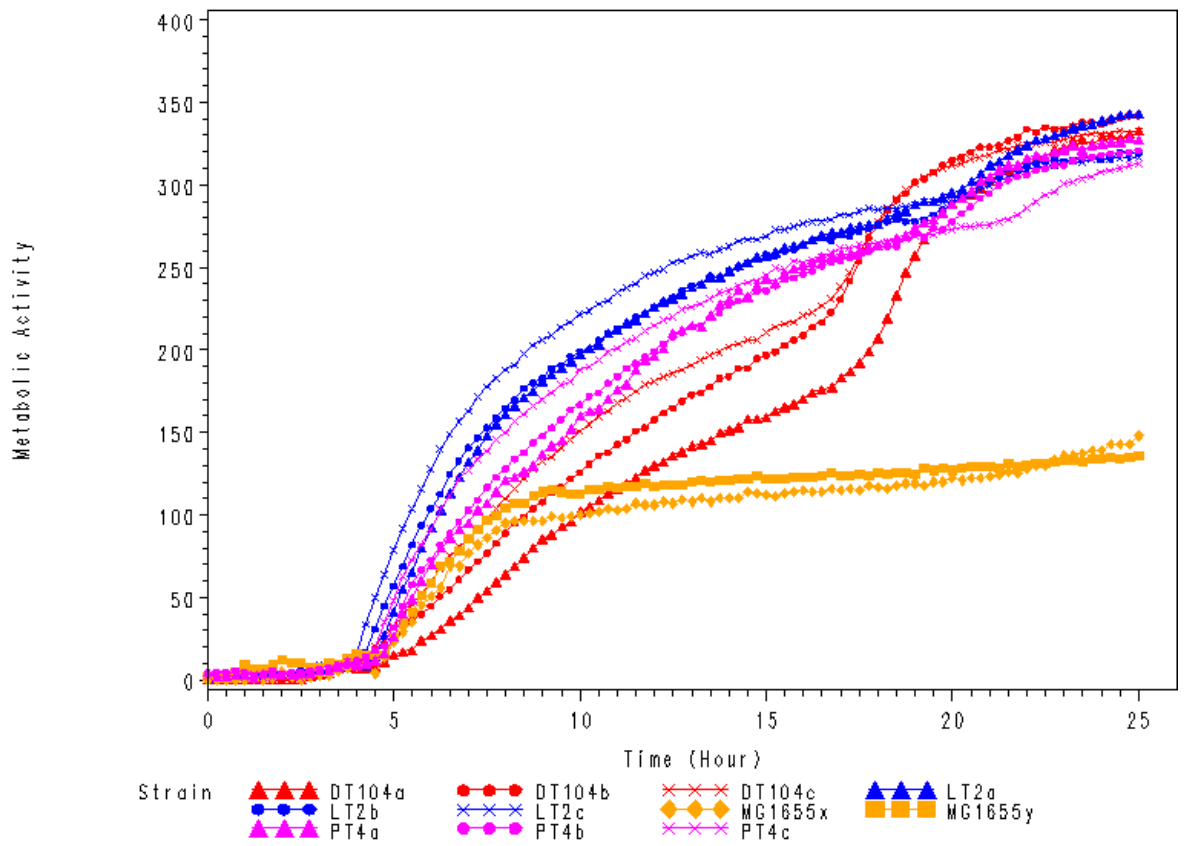
PM01, G06 (L-Alanyl-Glycine)



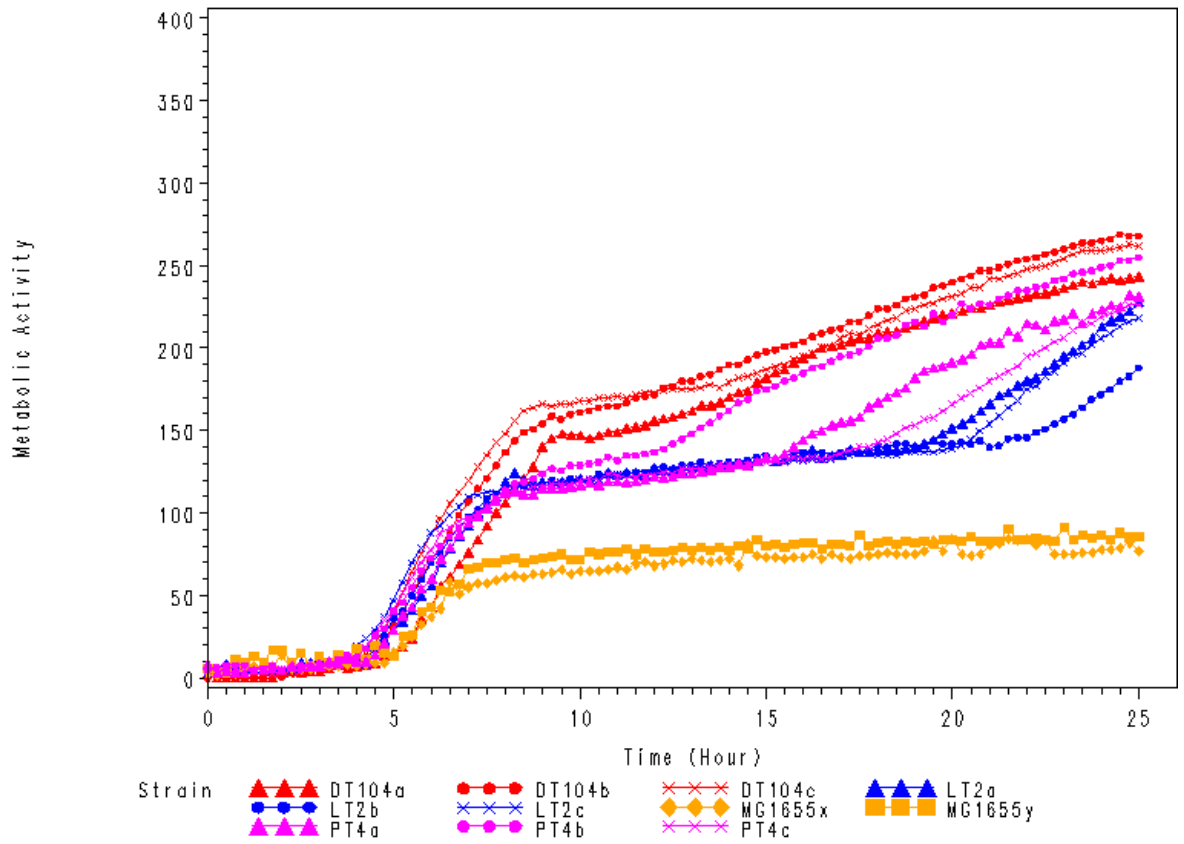
PM01, G07 (Acetoacetic Acid)



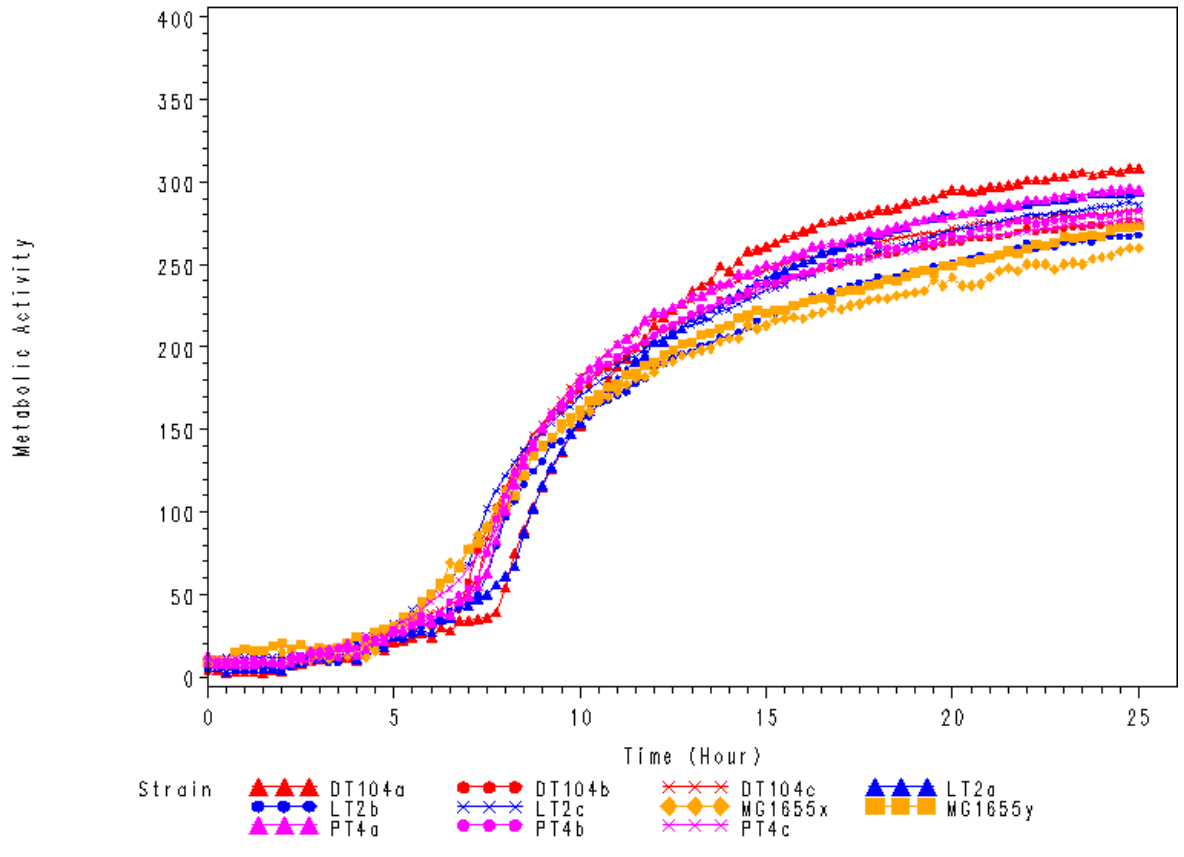
PM01, G08 (N—Acetyl—b—D—Mannosamine)



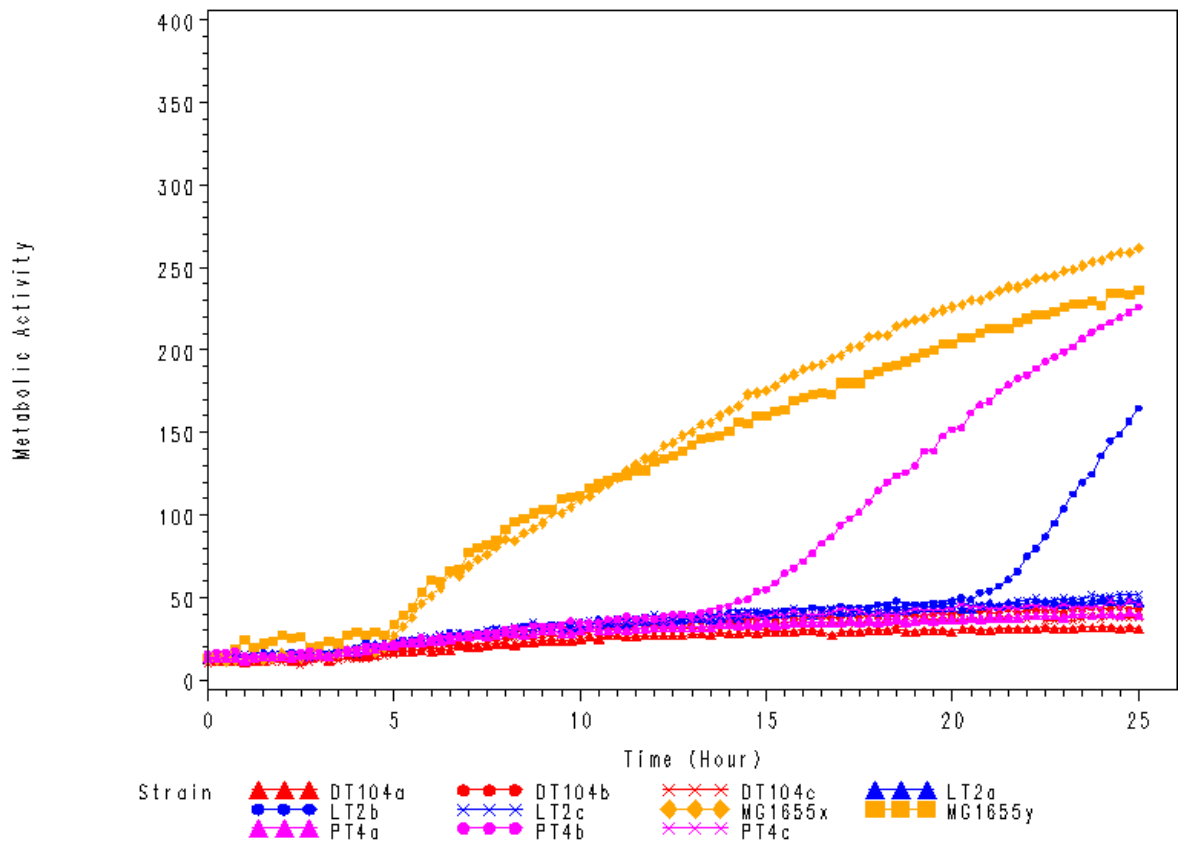
PM01, G09 (Mono Methyl Succinate)



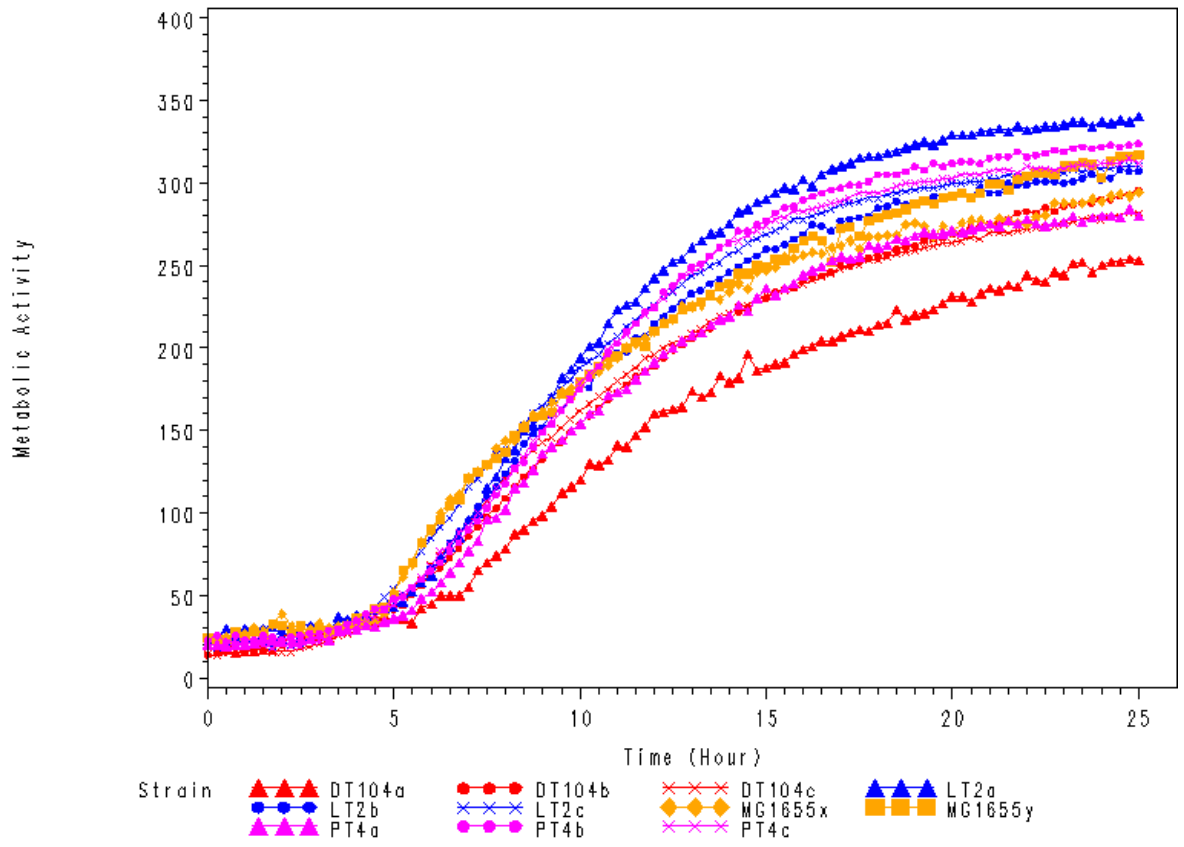
PM01, G10 (Methyl Pyruvate)



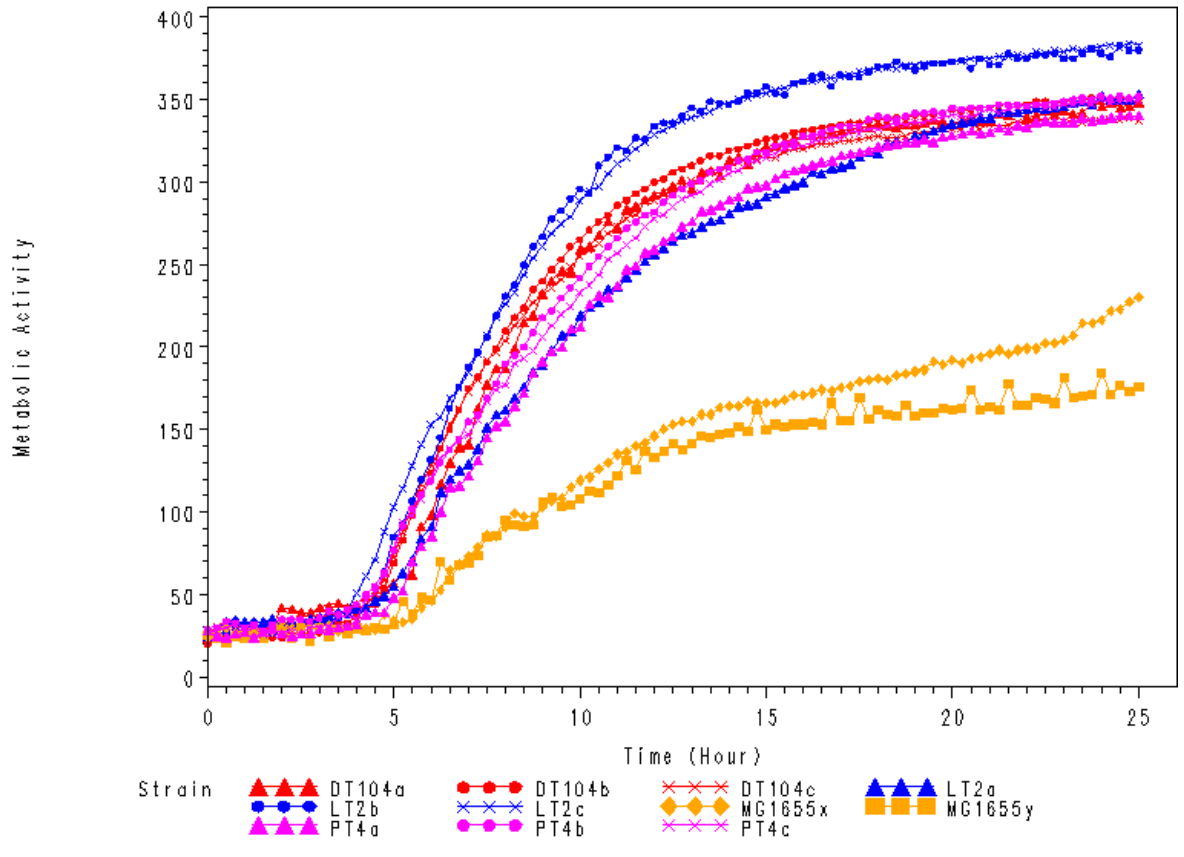
PM01, G11 (D−Malic Acid)



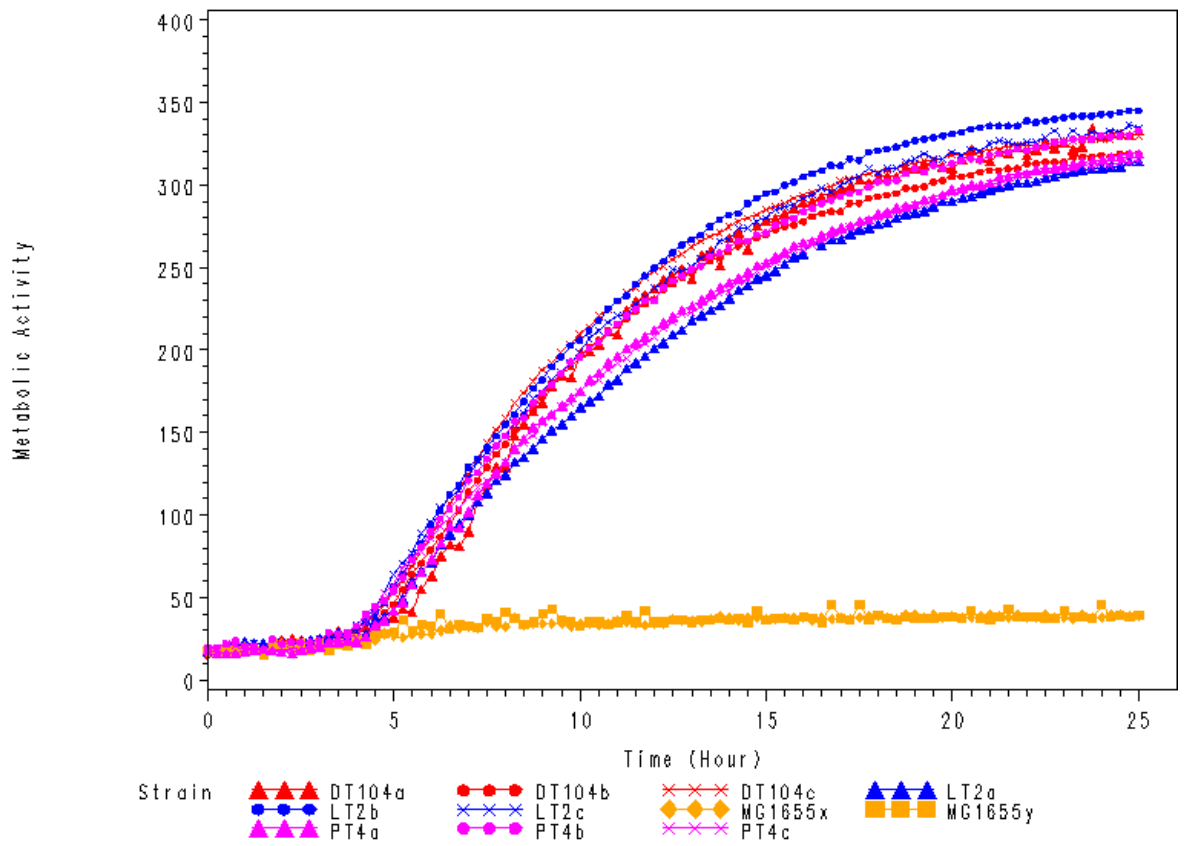
PM01, G12 (L−Malic Acid)



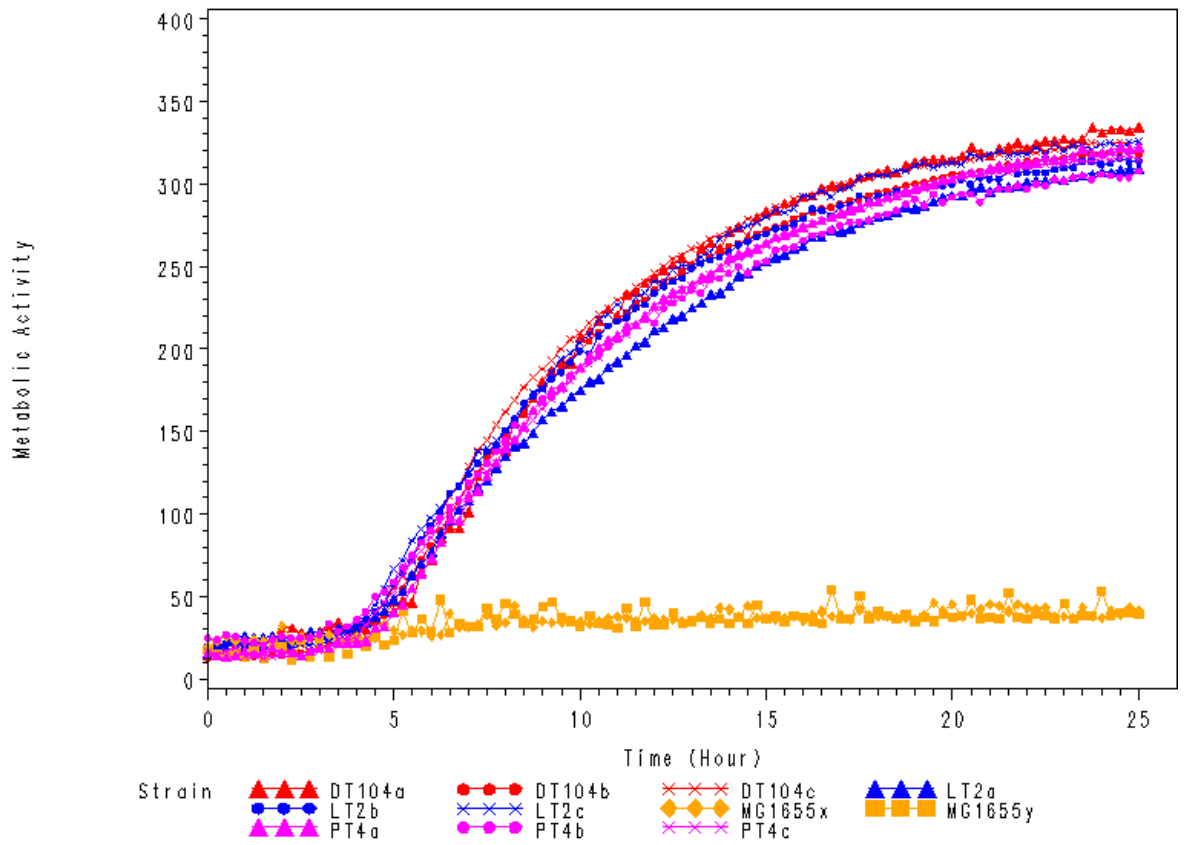
PM01, H01 (Glycyl—L—Proline)



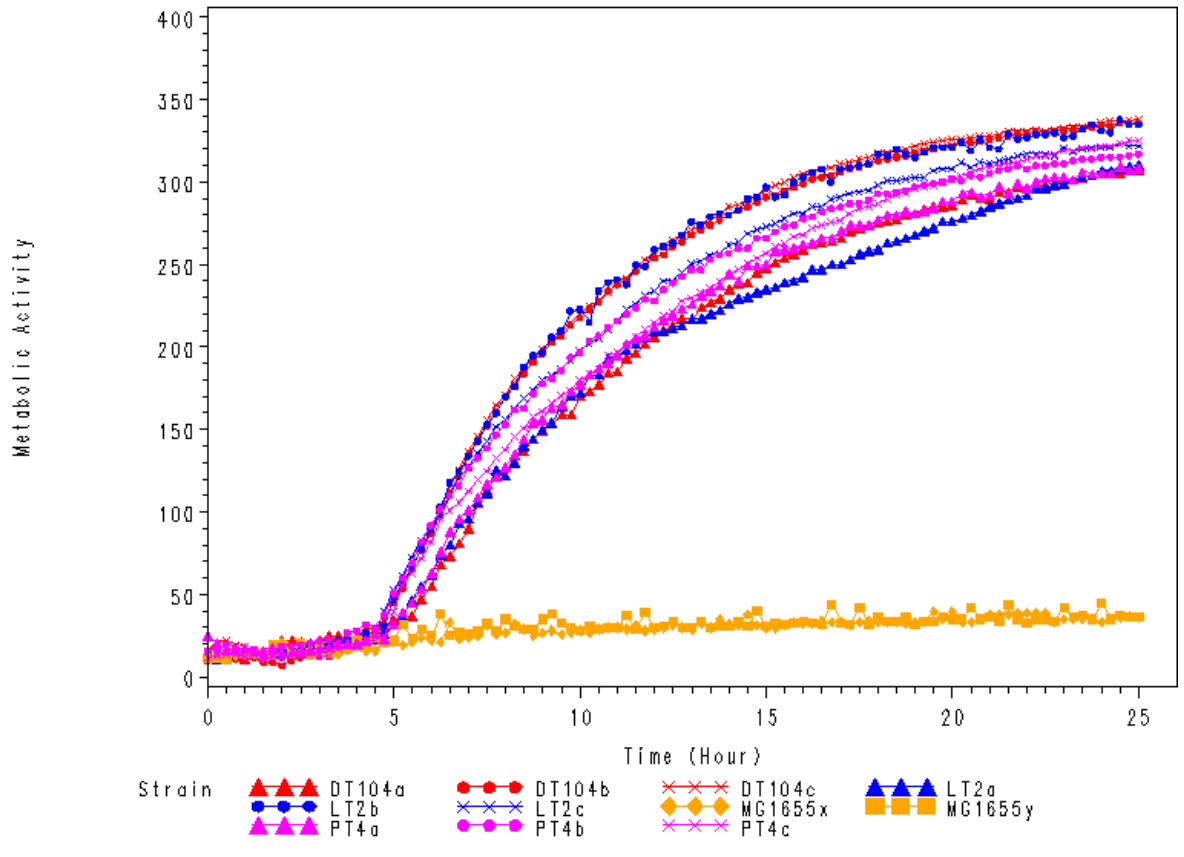
PM01, H02 (p—Hydroxy—Phenylacetic Acid)



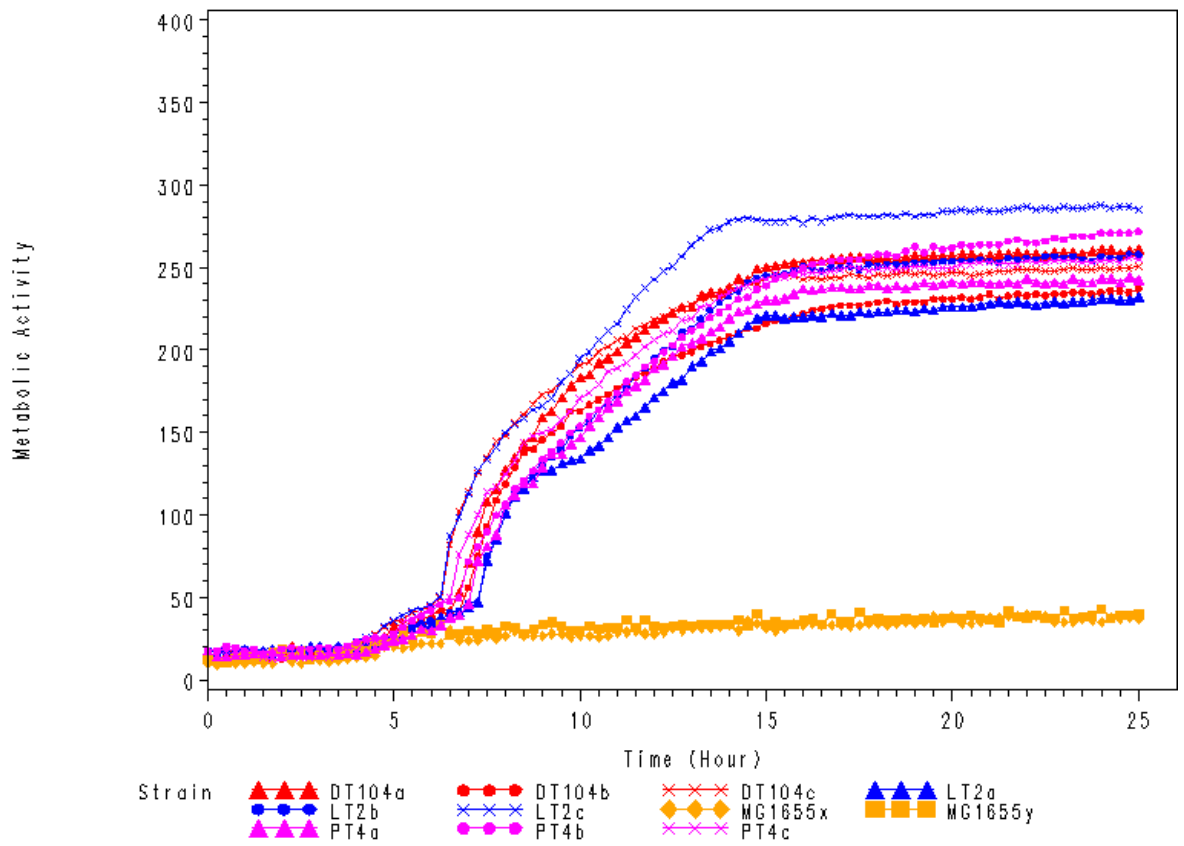
PM01, H03 (m—Hydroxy—Phenylacetic Acid)



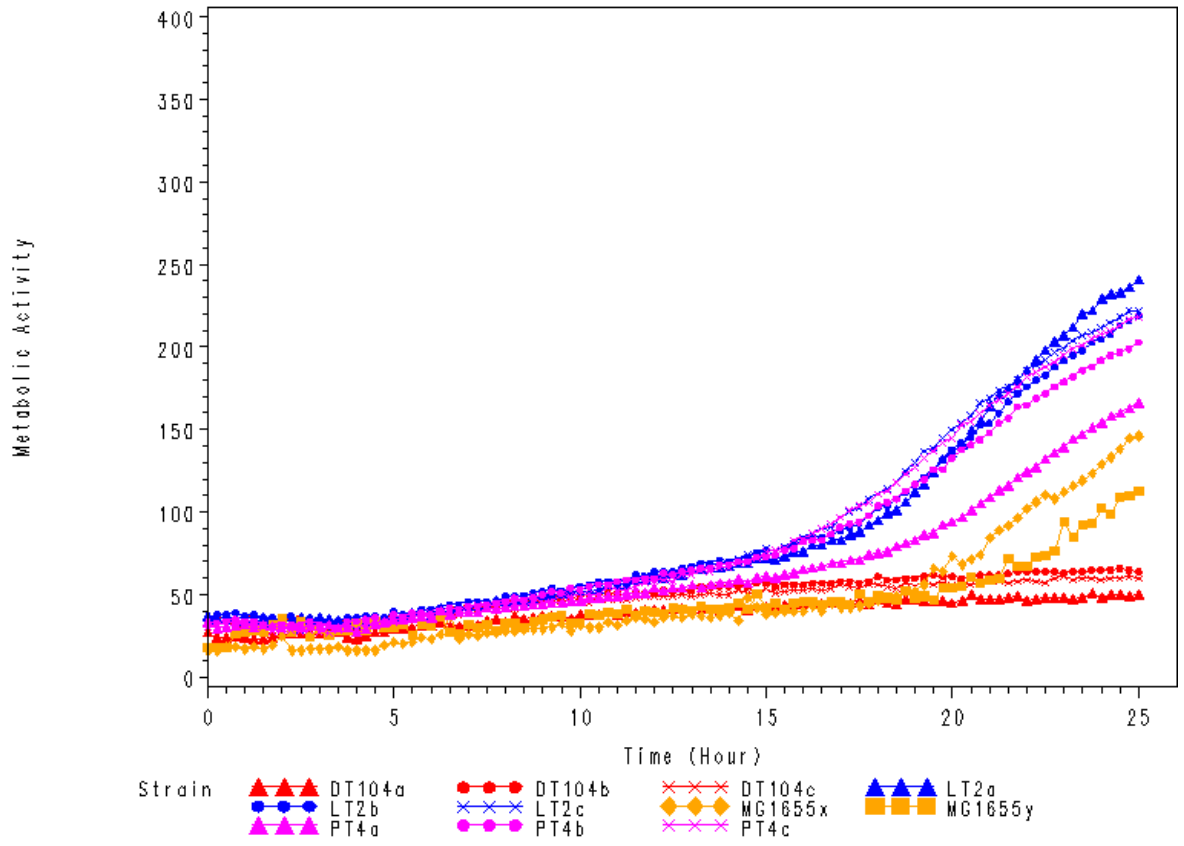
PM01, H04 (Tyramine)



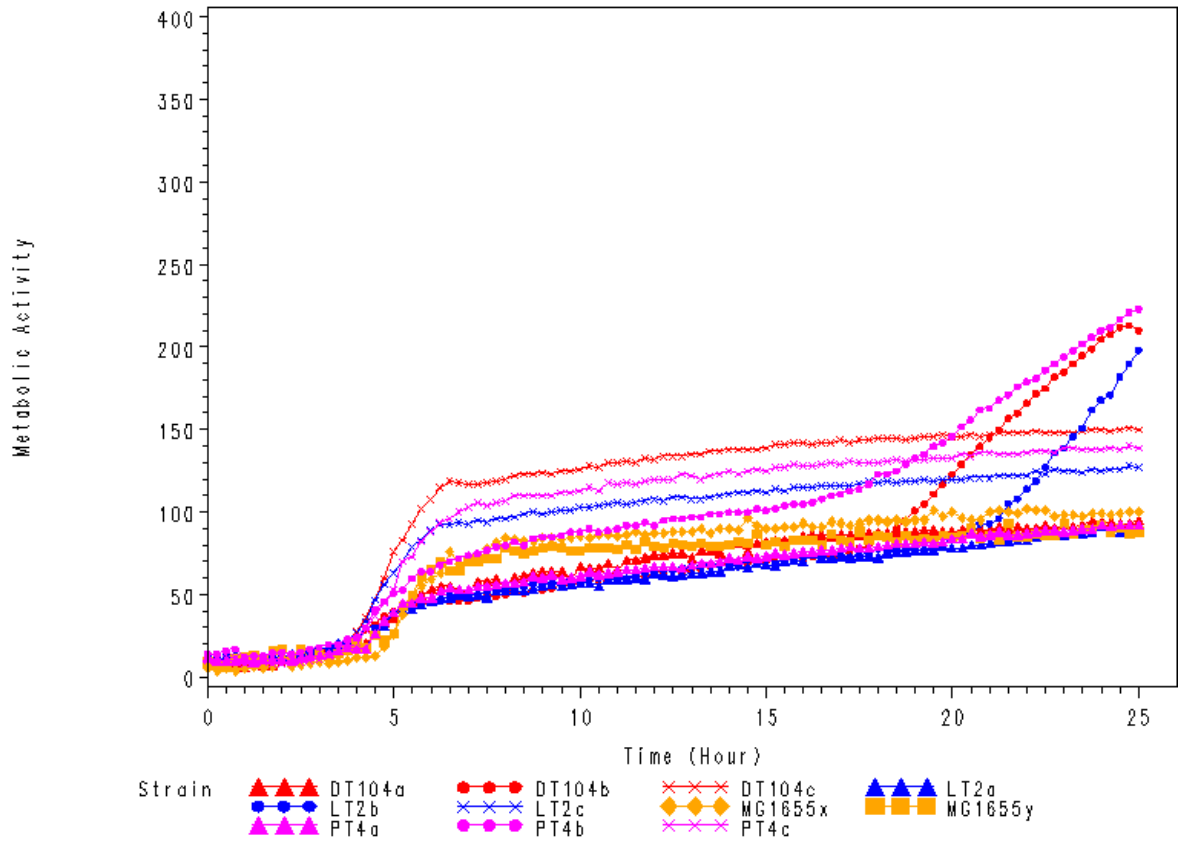
PM01, H05 (D-Psicose)



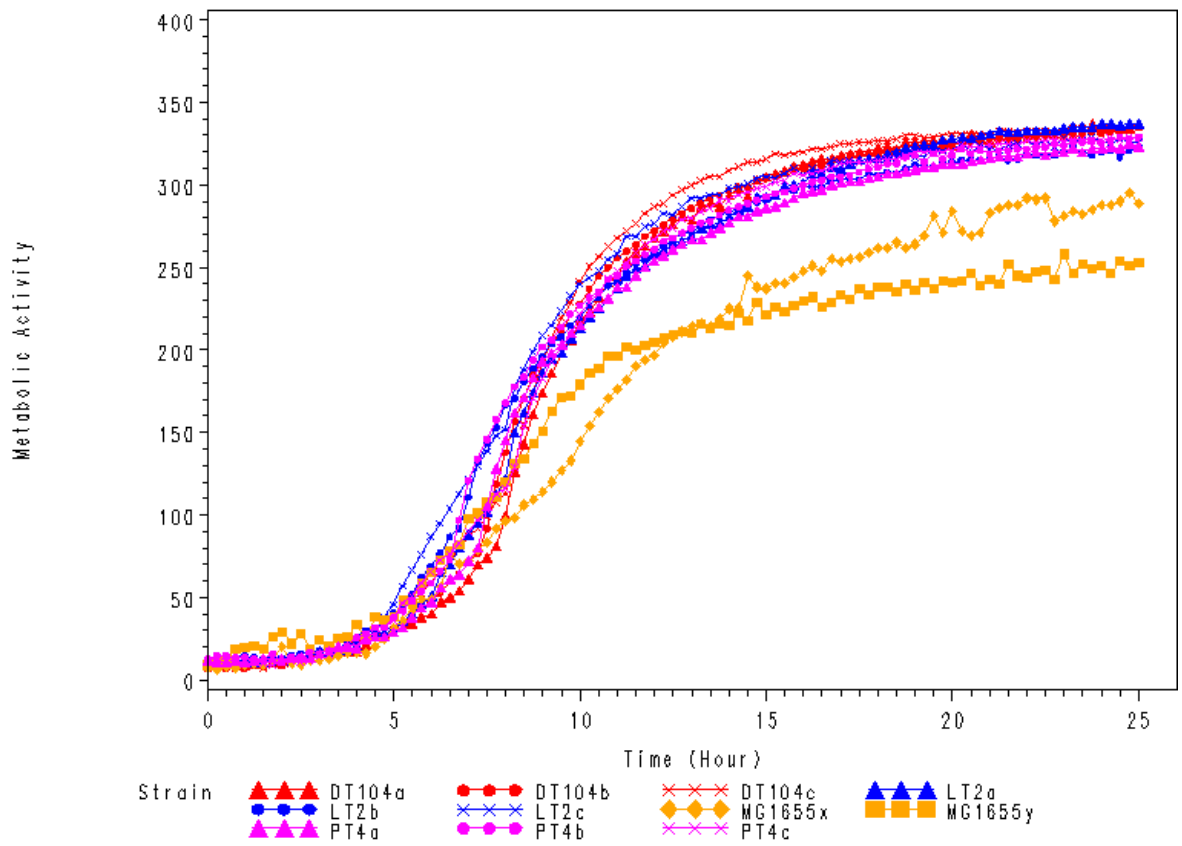
PM01, H06 (L-Lyxose)



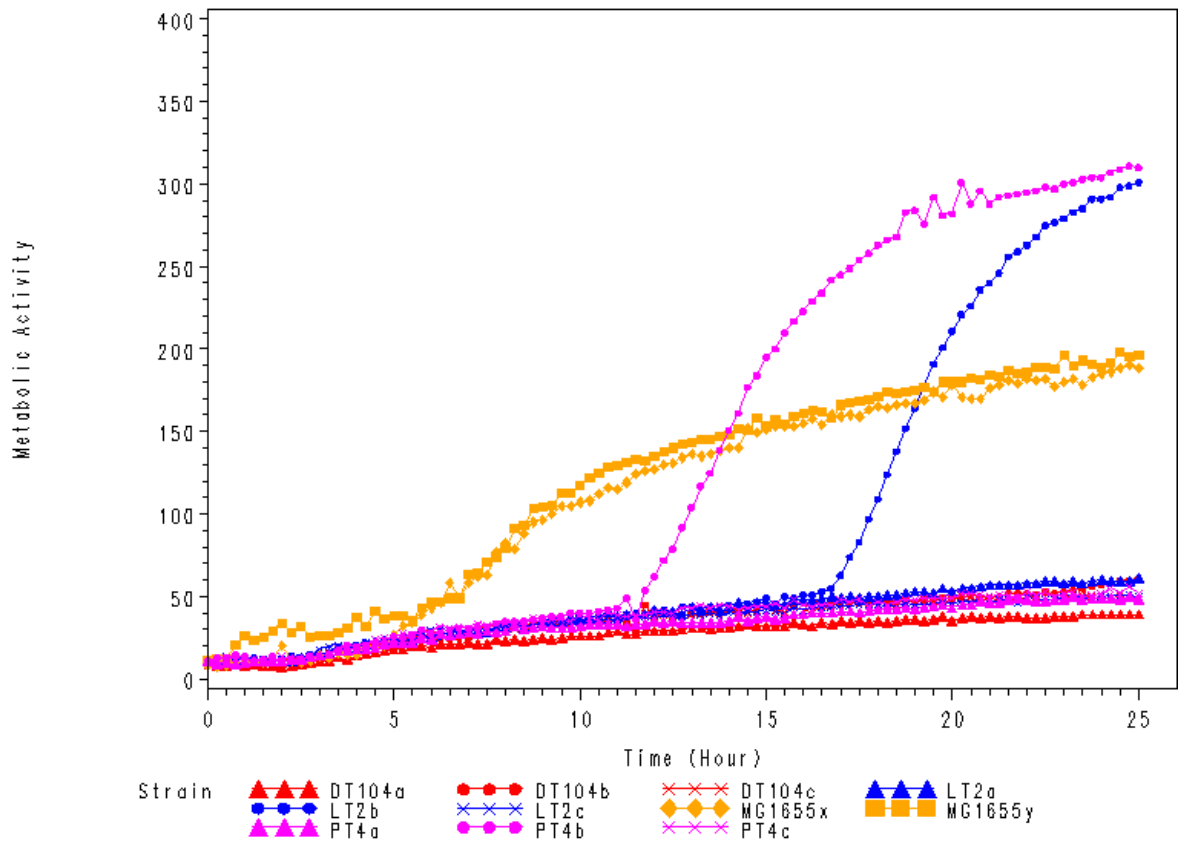
PM01, H07 (Glucuronamide)



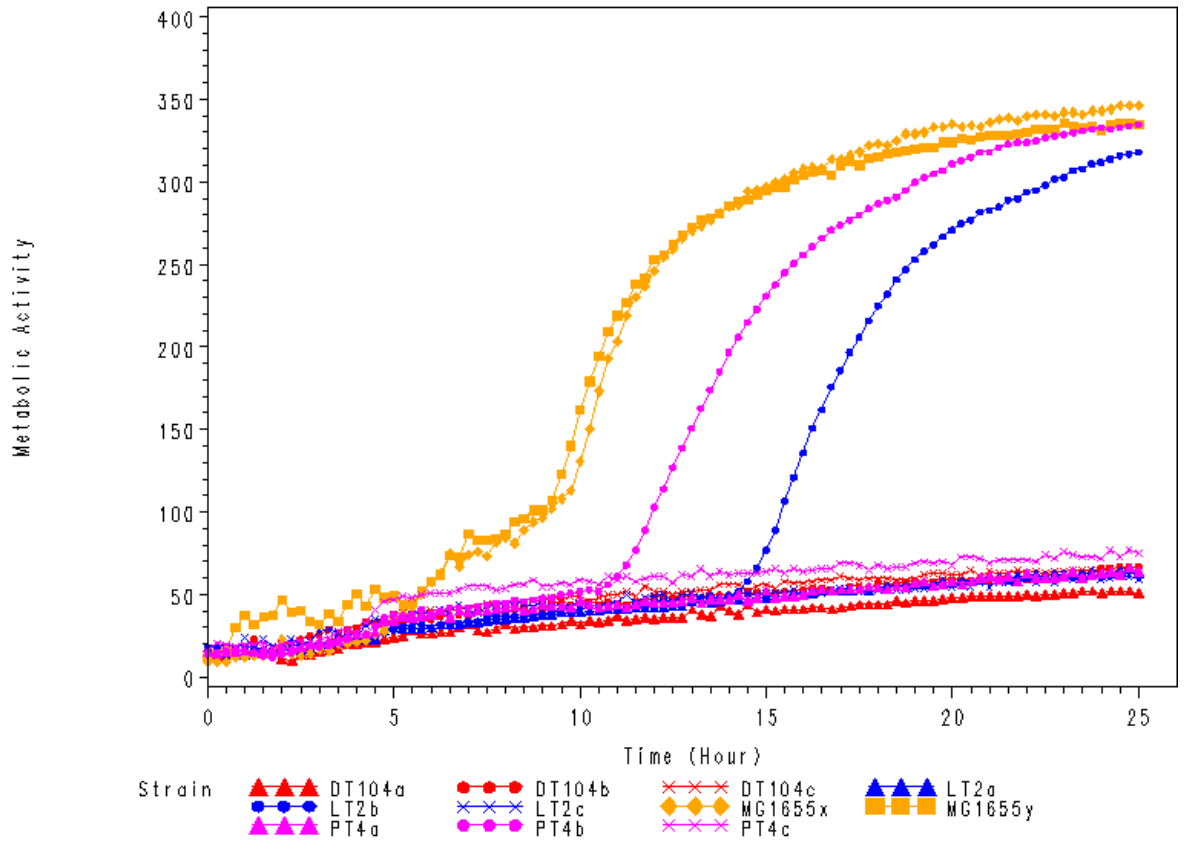
PM01, H08 (Pyruvic Acid)



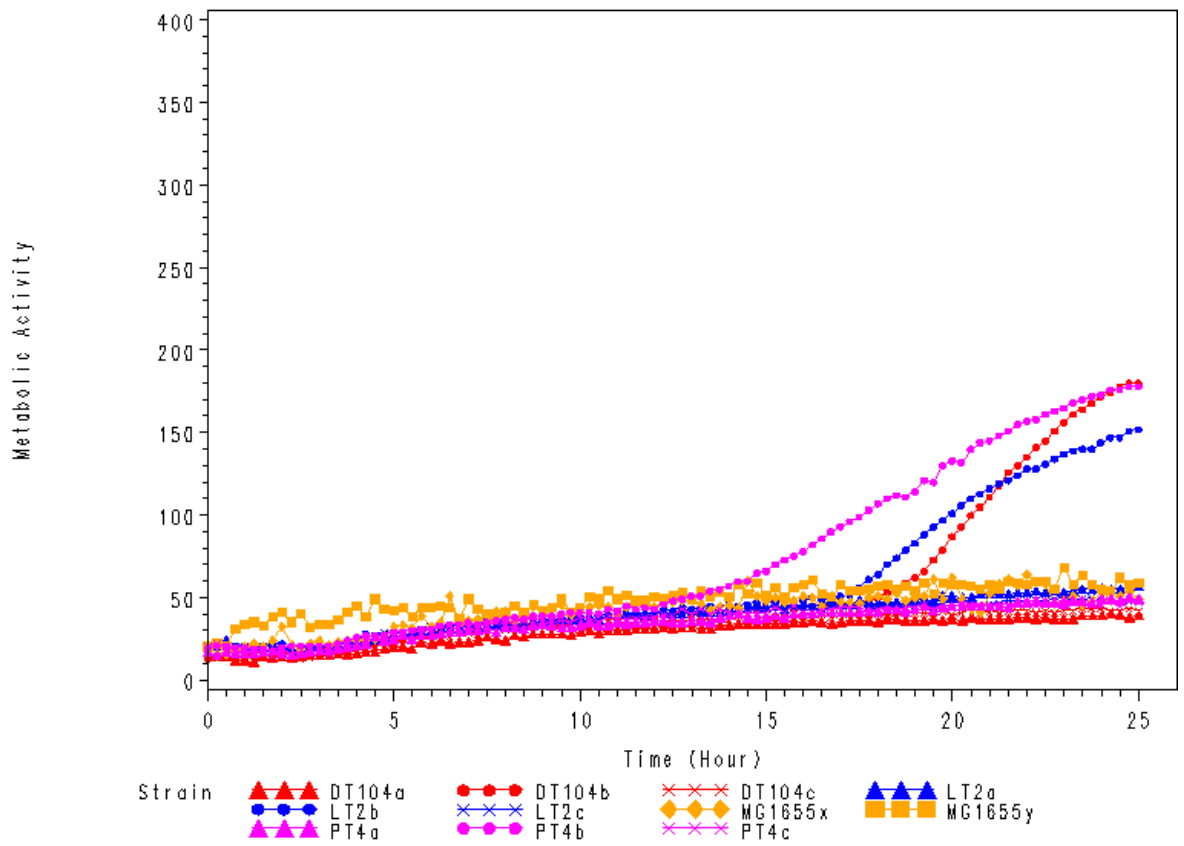
PM01, H09 (L-Galactonic Acid-g-Lactone)



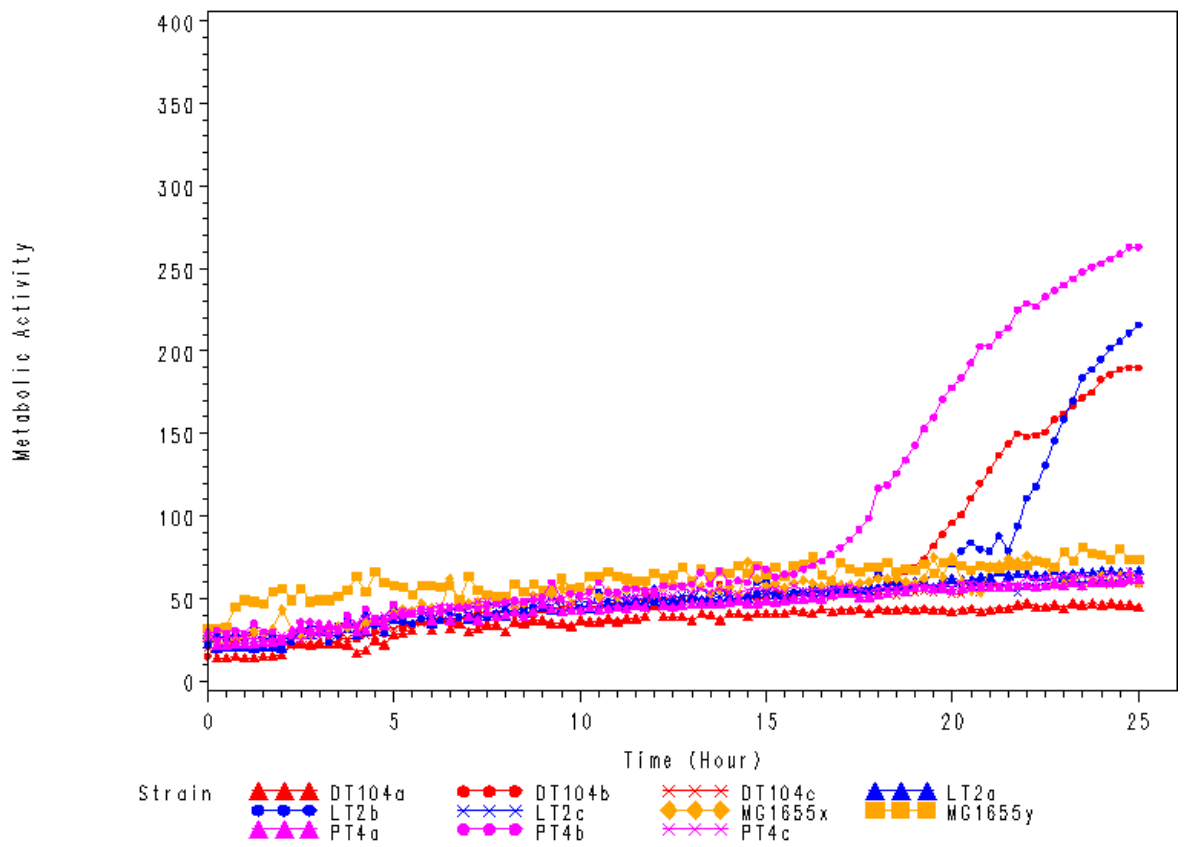
PM01, H10 (D-Galacturonic Acid)



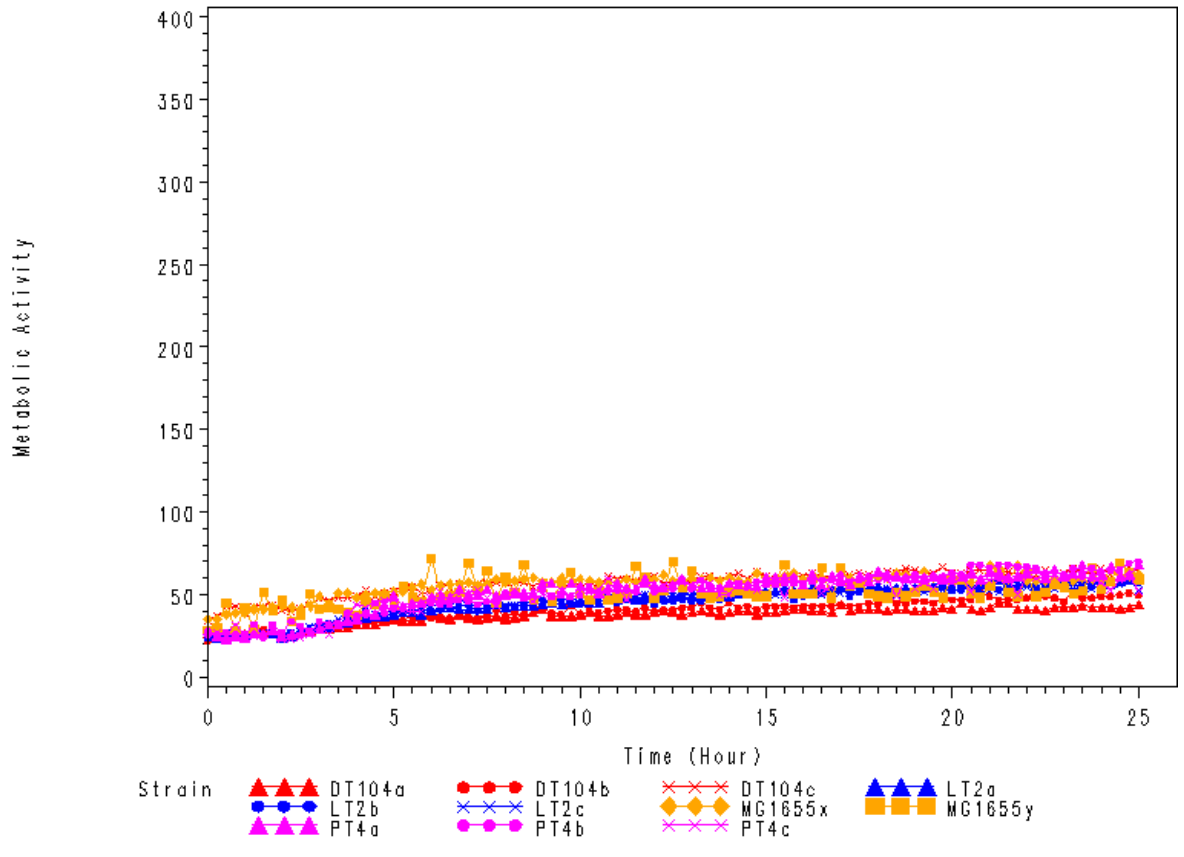
PM01, H11 (b-Phenylethylamine)



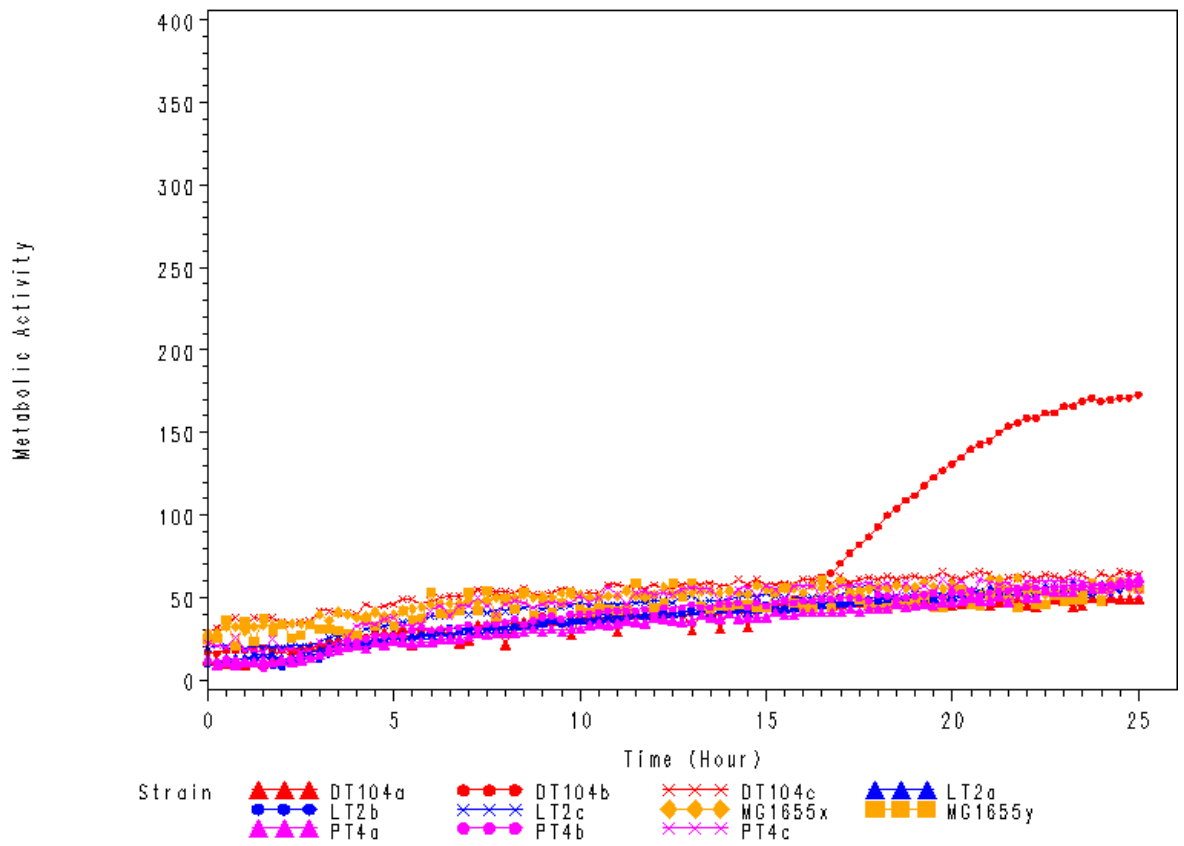
PM01, H12 (Ethanolamine)



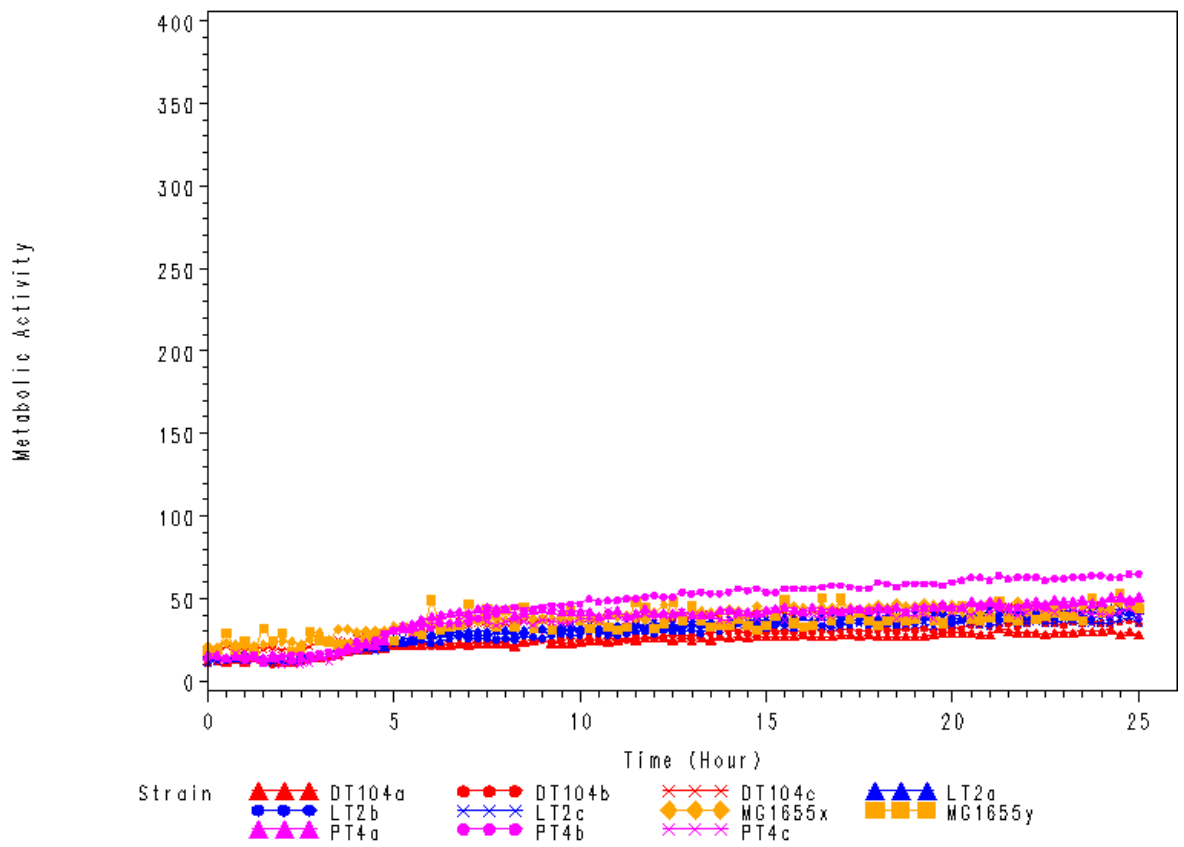
PM02A, A01 (Negative Control)



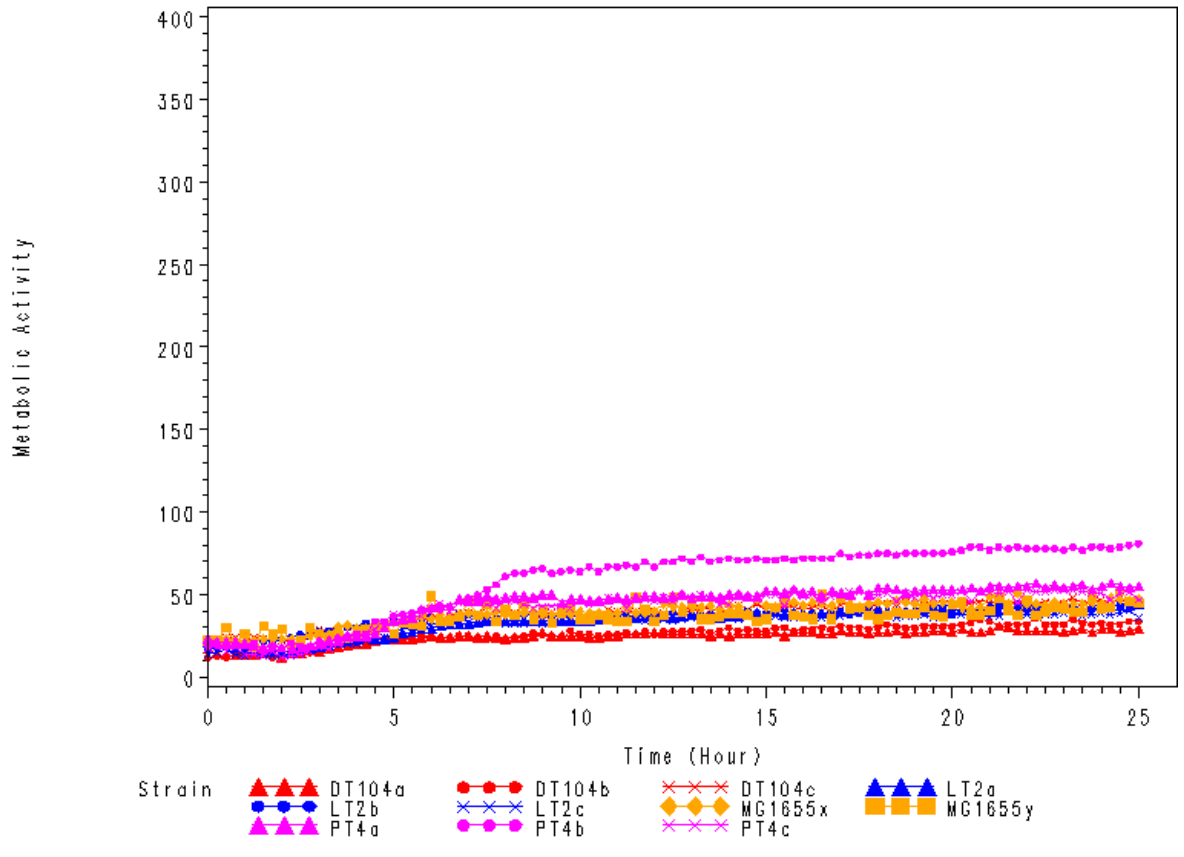
PM02A, A02 (Chondroitin Sulfate C)



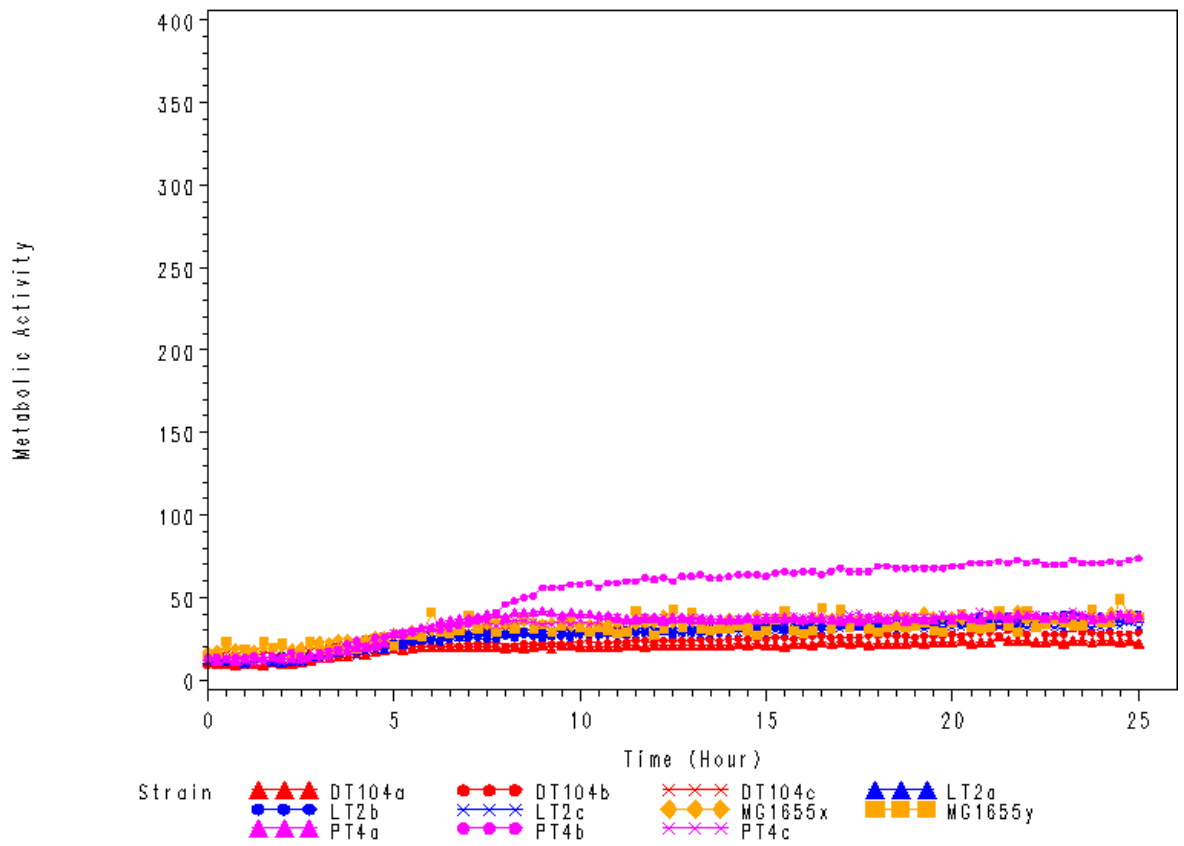
PM02A, A03 (a—Cyclodextrin)



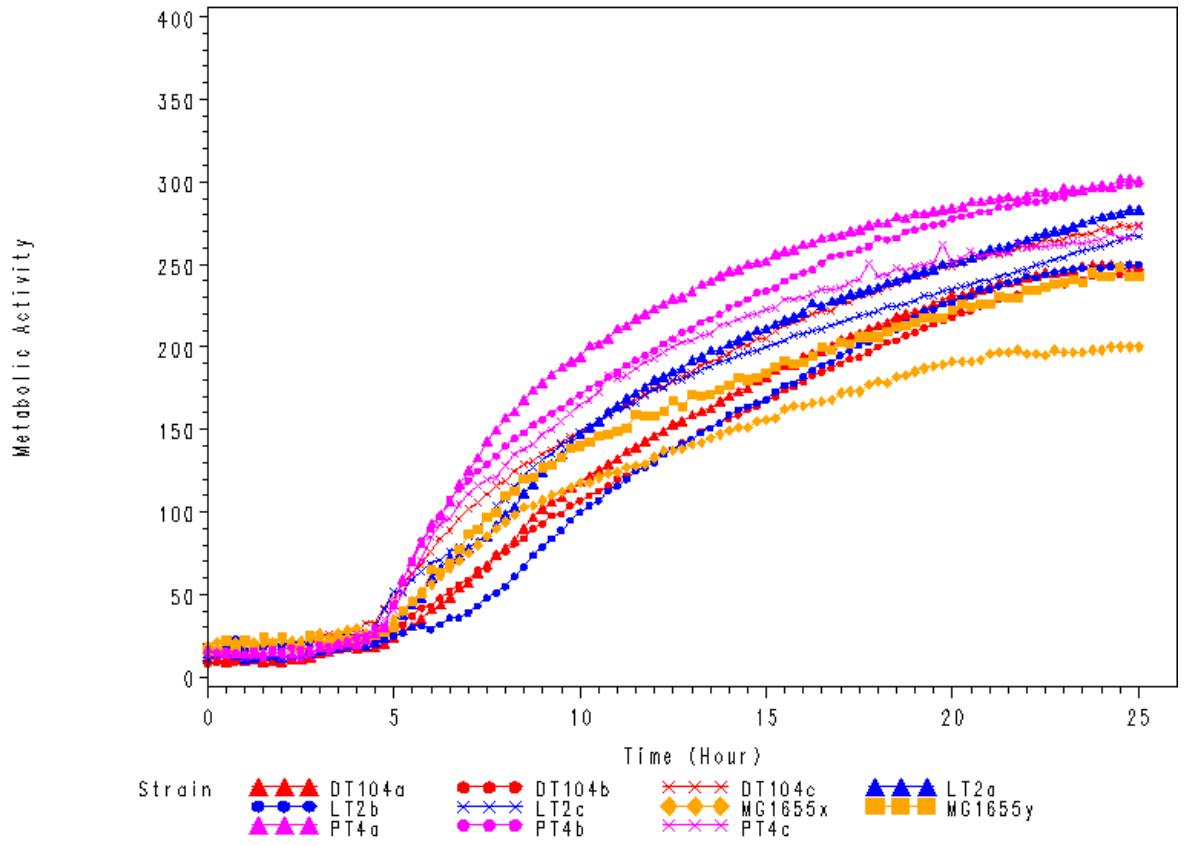
PM02A, A04 (b—Cyclodextrin)



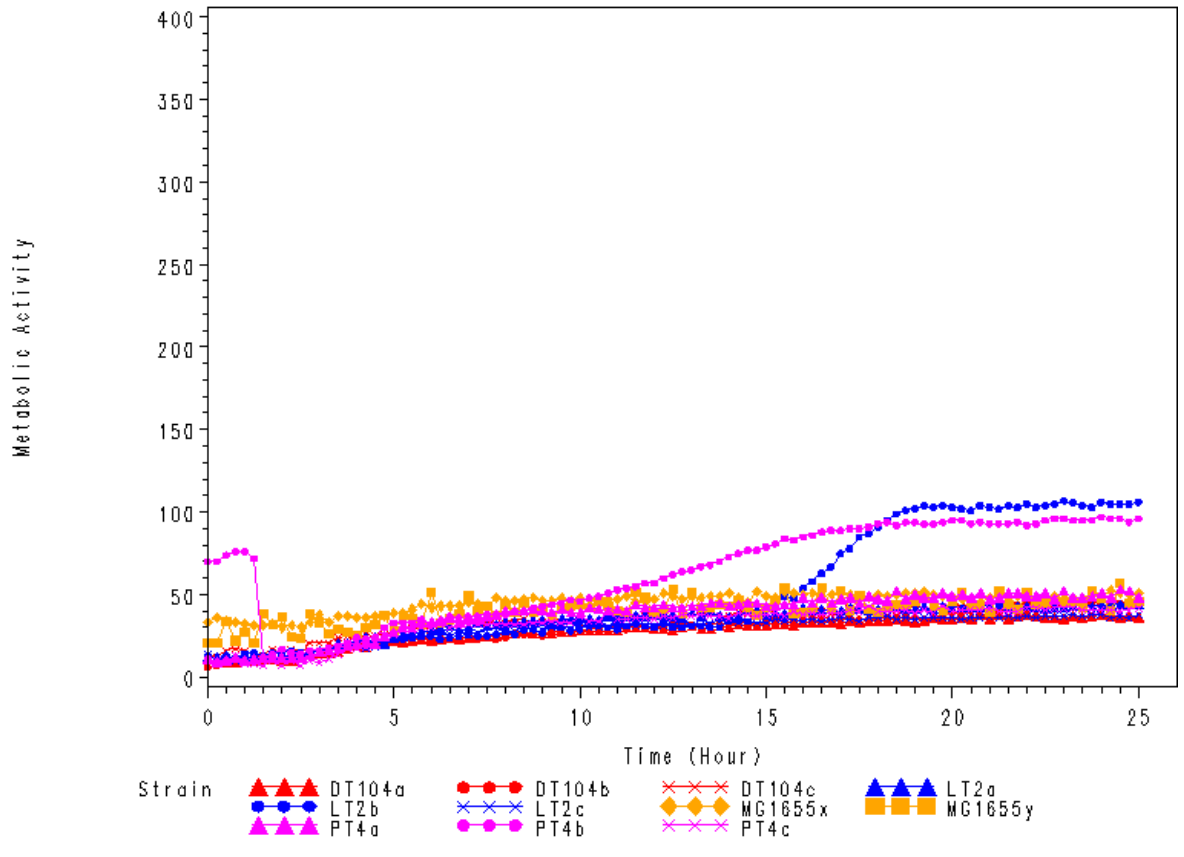
PM02A, A05 (g—Cyclodextrin)



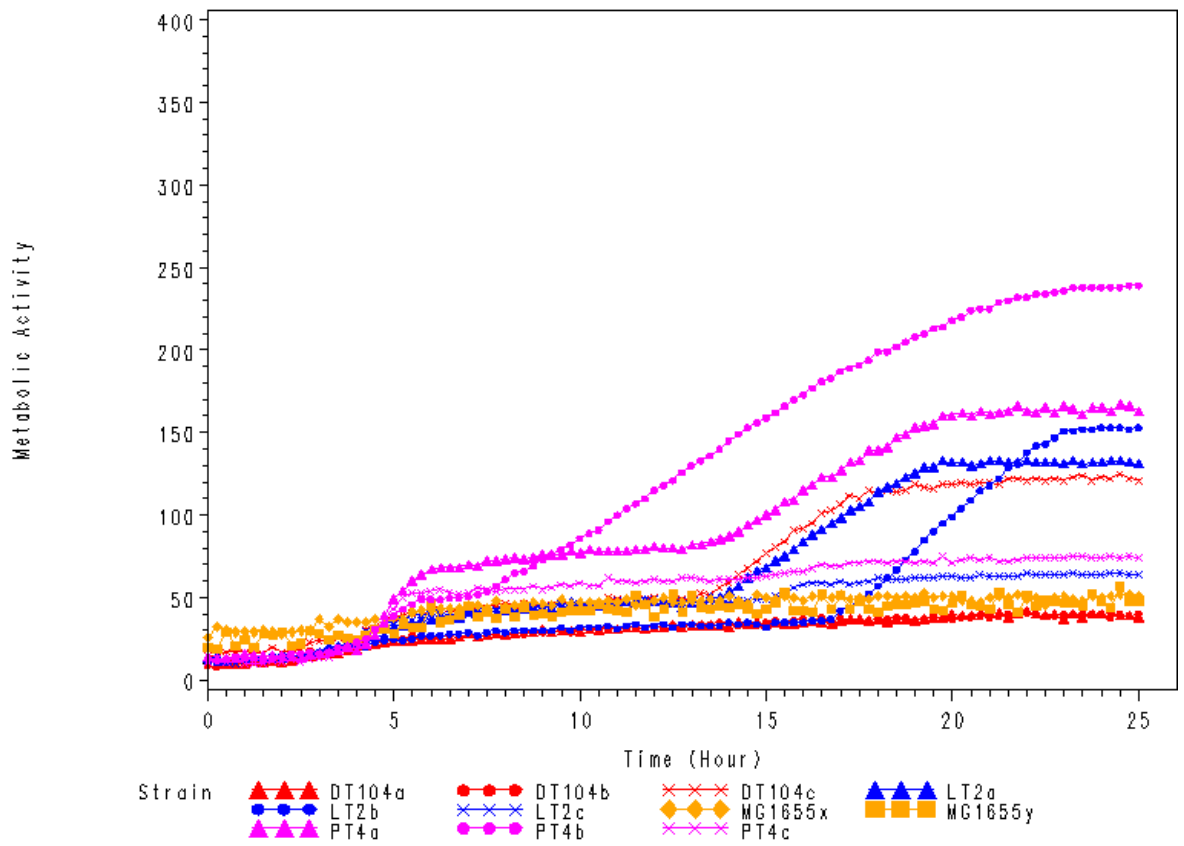
PM02A, A06 (Dextrin)



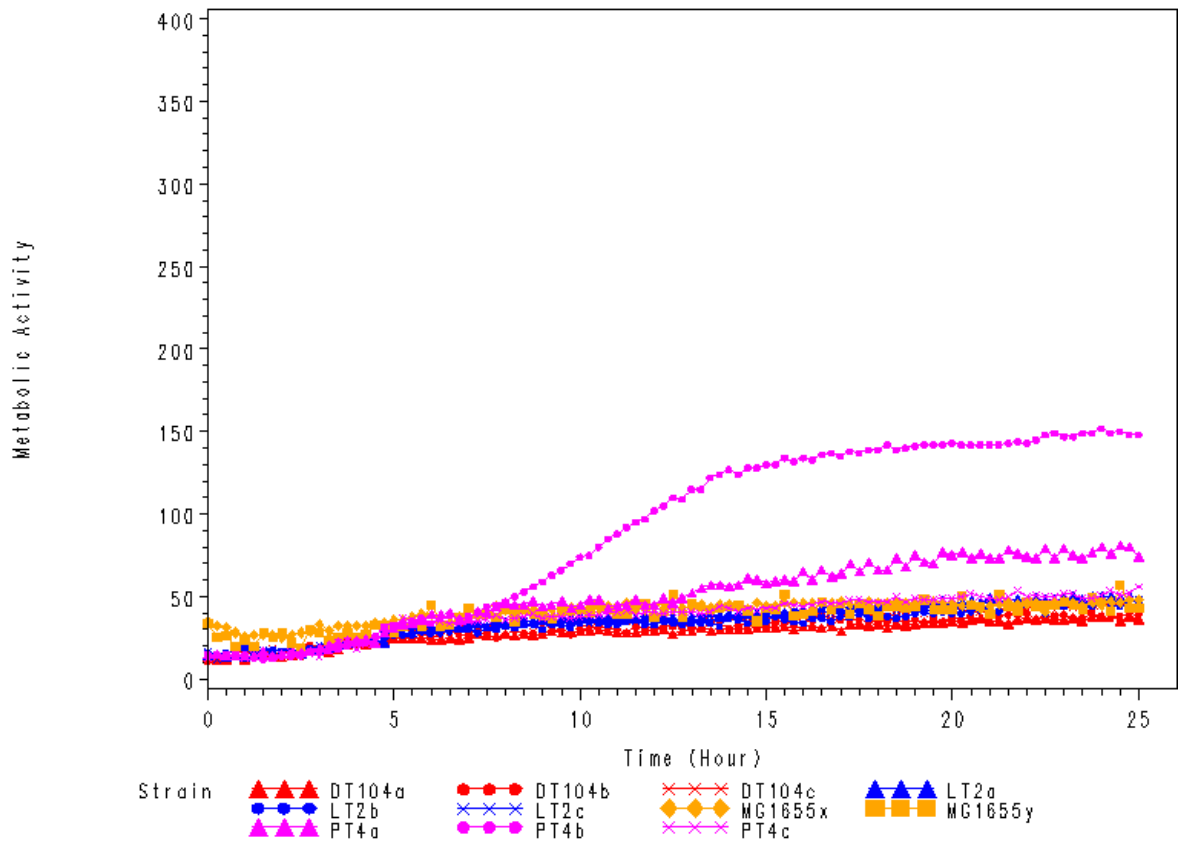
PM02A, A07 (Gelatin)



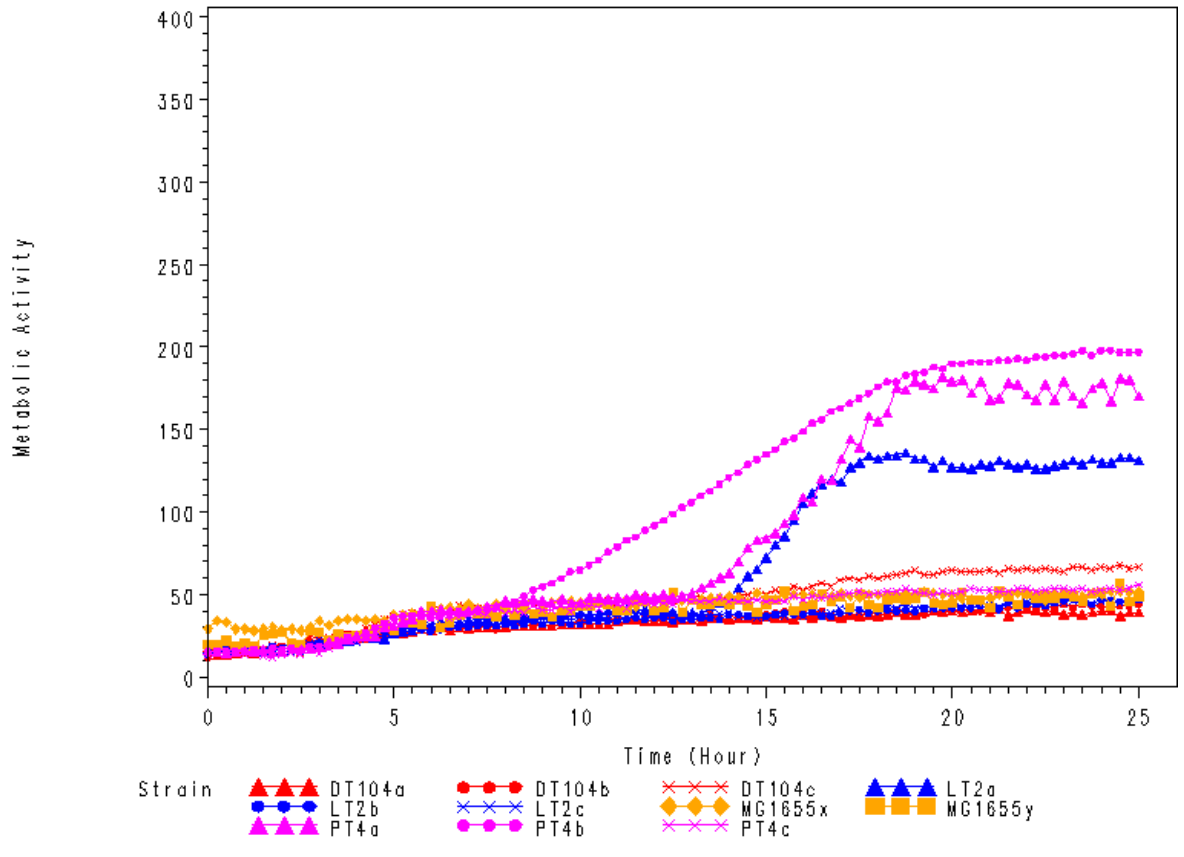
PM02A, A08 (Glycogen)



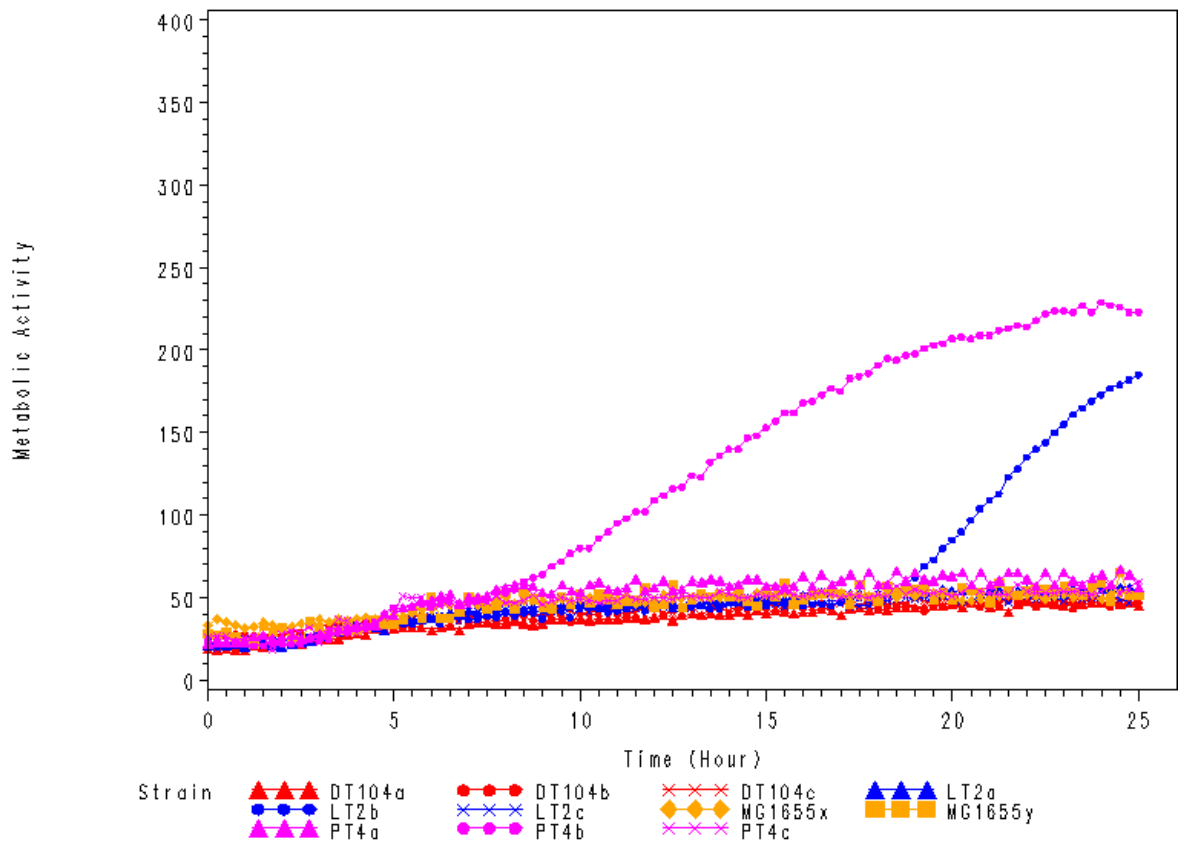
PM02A, A09 (Inulin)



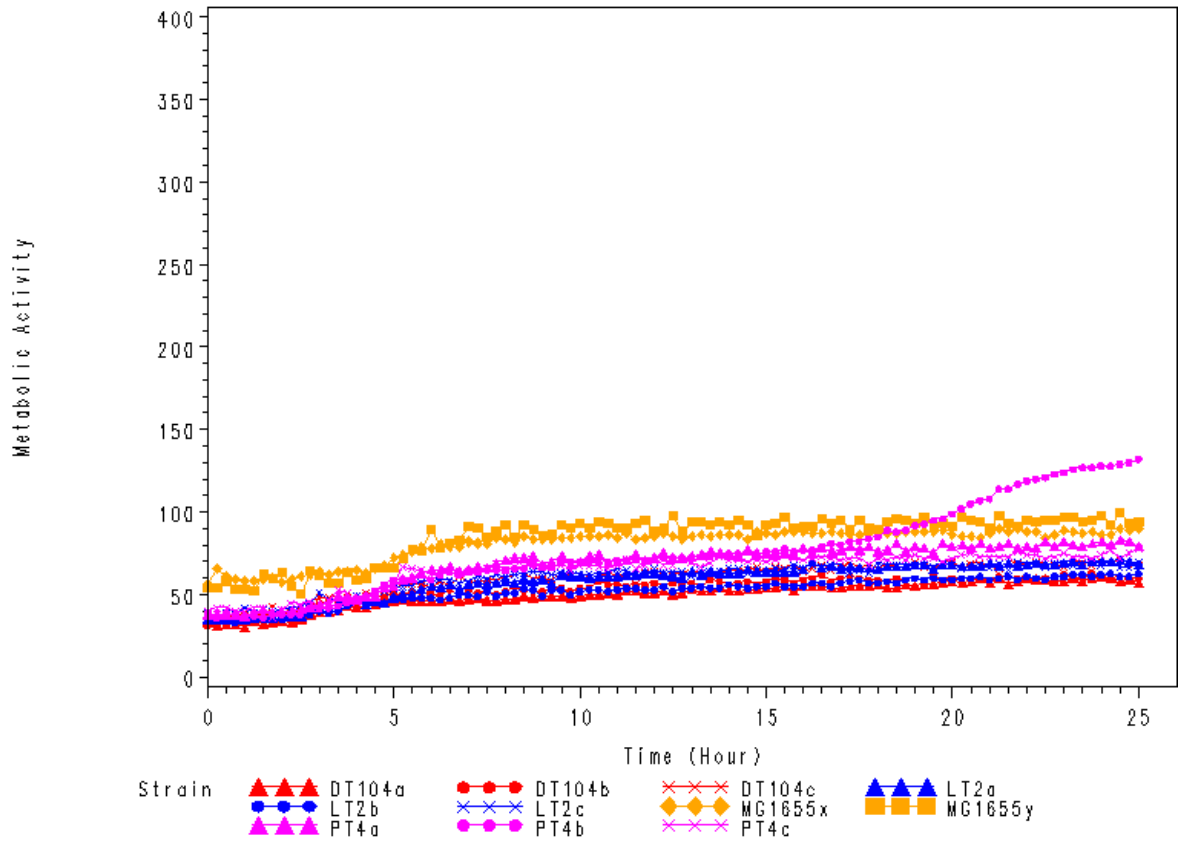
PM02A, A10 (Laminarin)



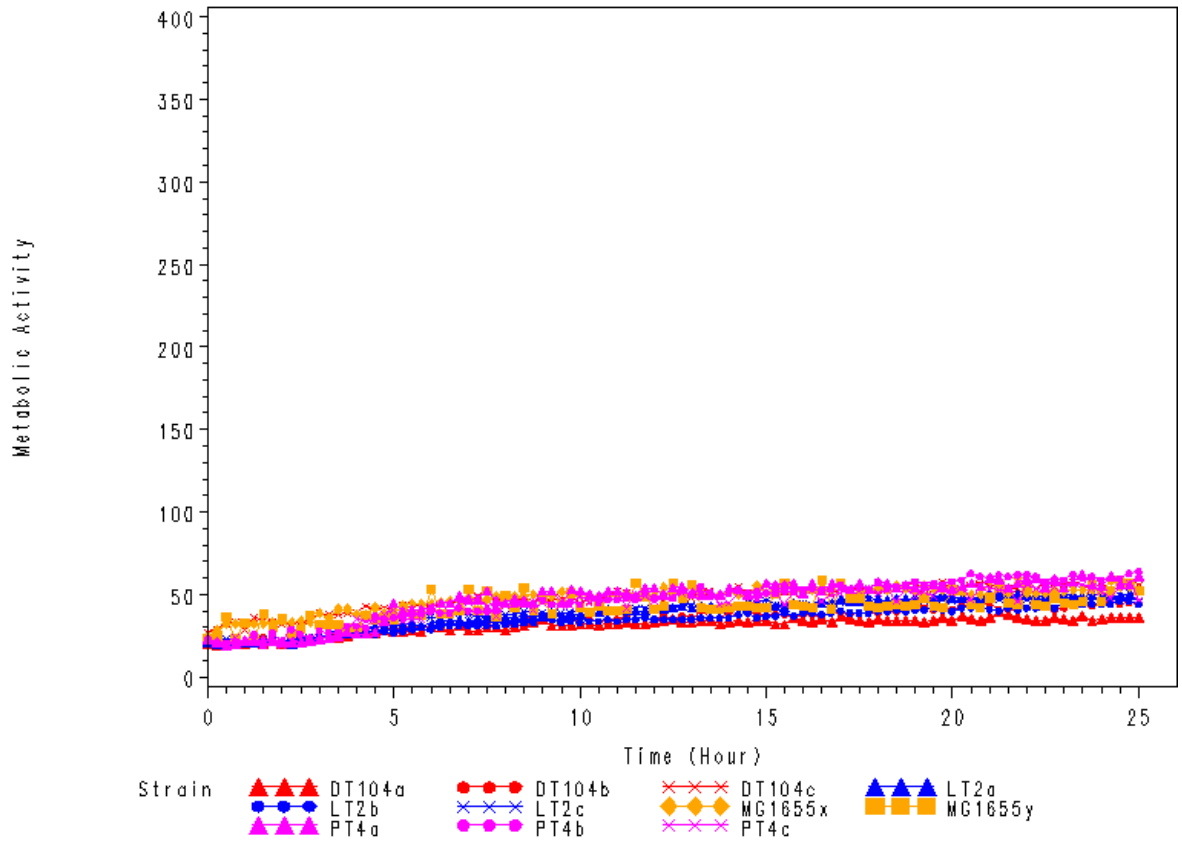
PM02A, A11 (Mannan)



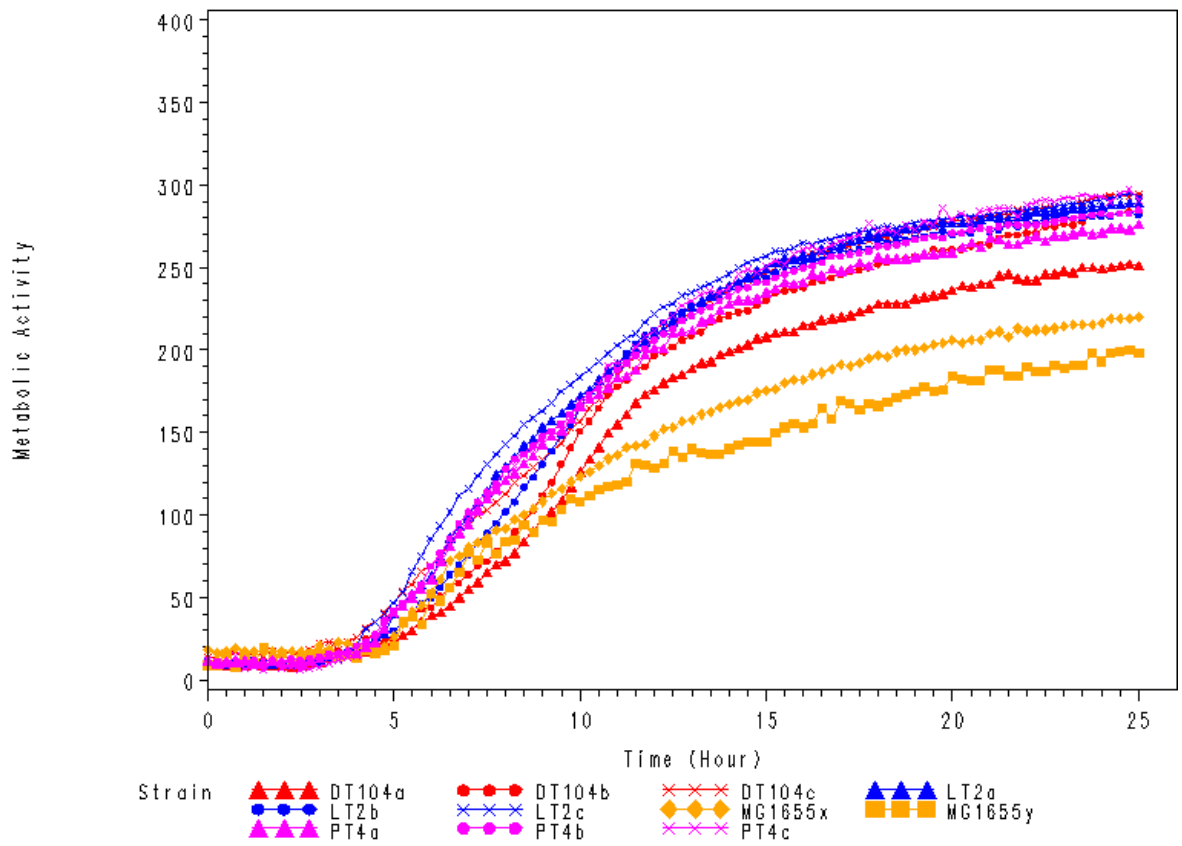
PM02A, A12 (Pectin)



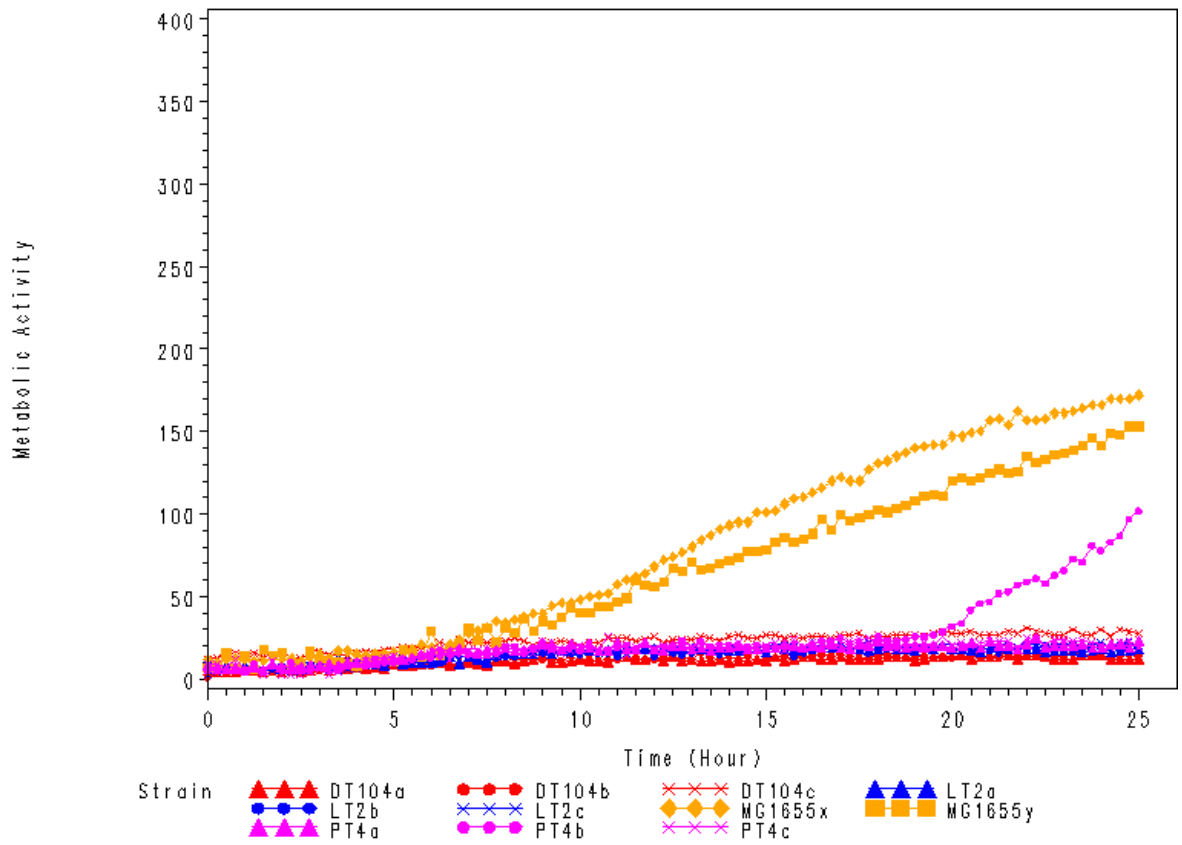
PM02A, B01 (N-Acetyl-D-Galactosamine)



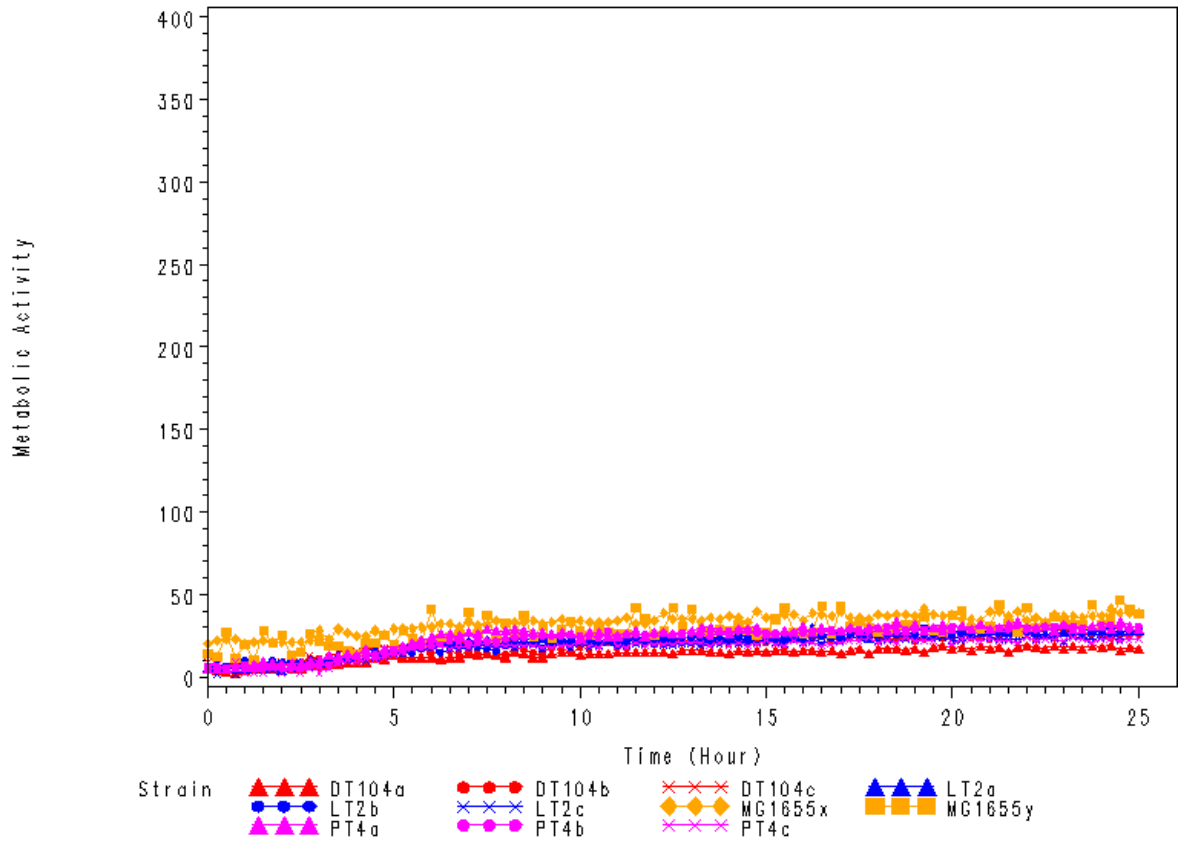
PM02A, B02 (N-Acetyl-Neuraminic Acid)



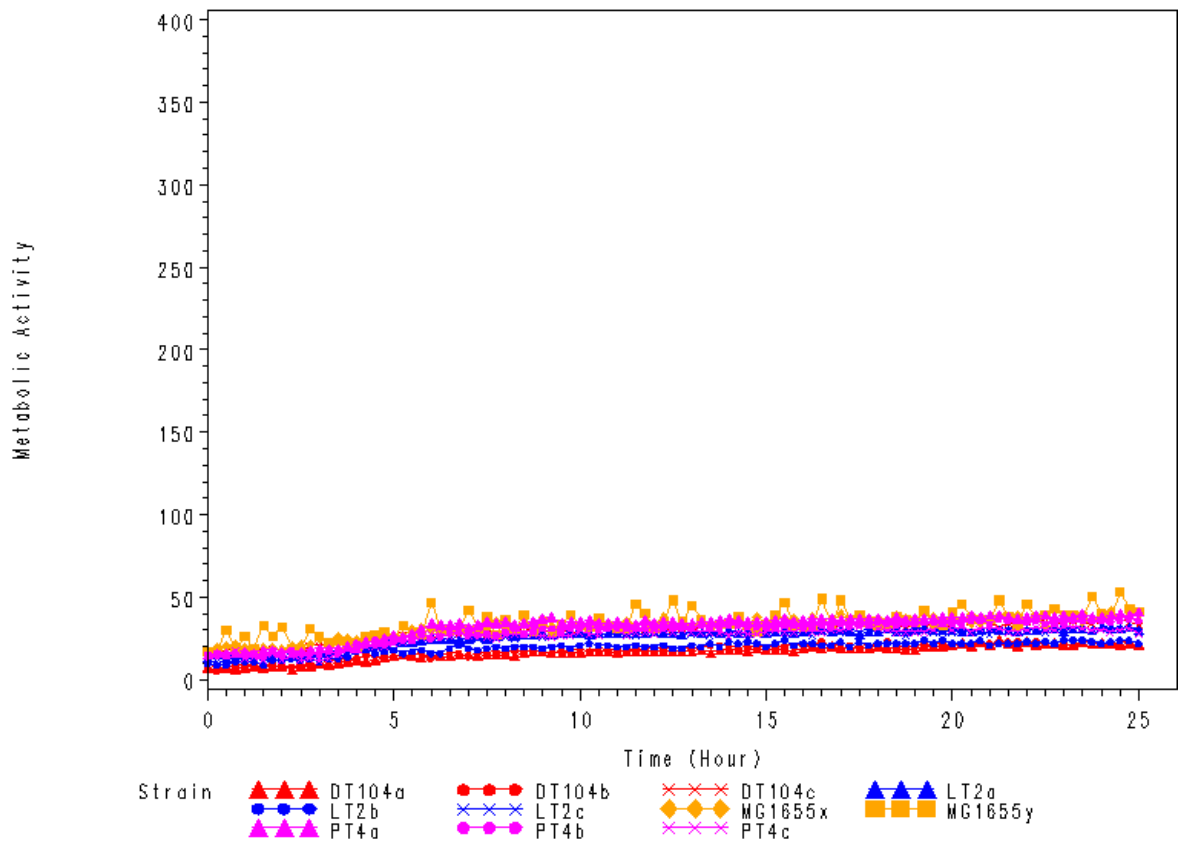
PM02A, B03 (b-D-Allose)



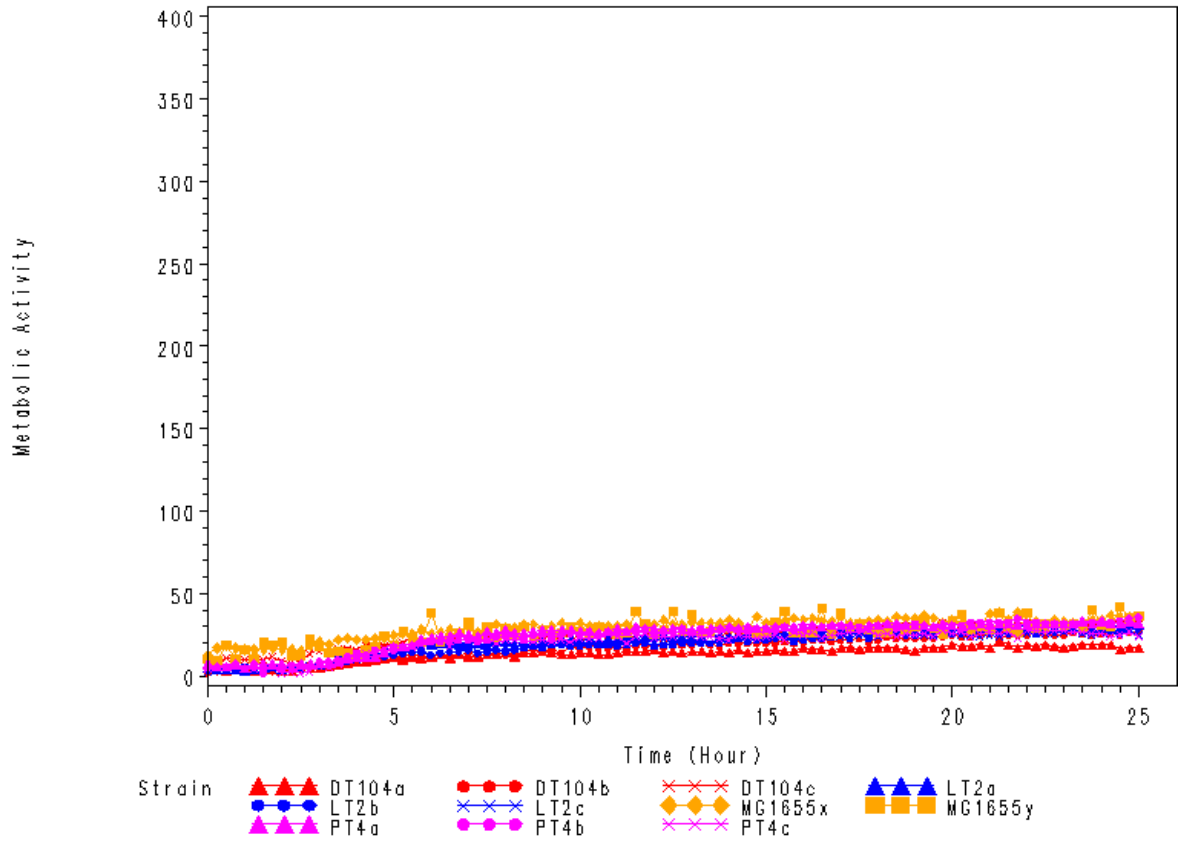
PM02A, B04 (Amygdalin)



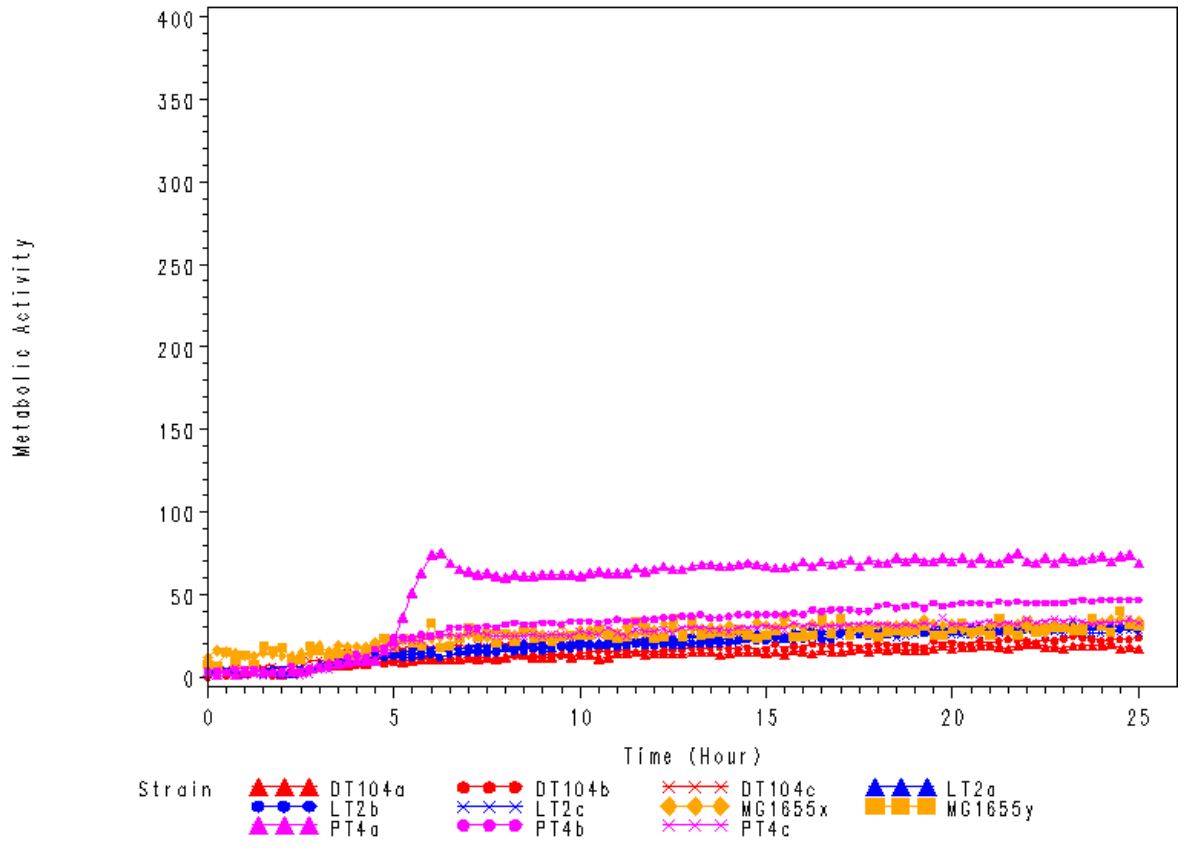
PM02A, B05 (D－Arabinose)



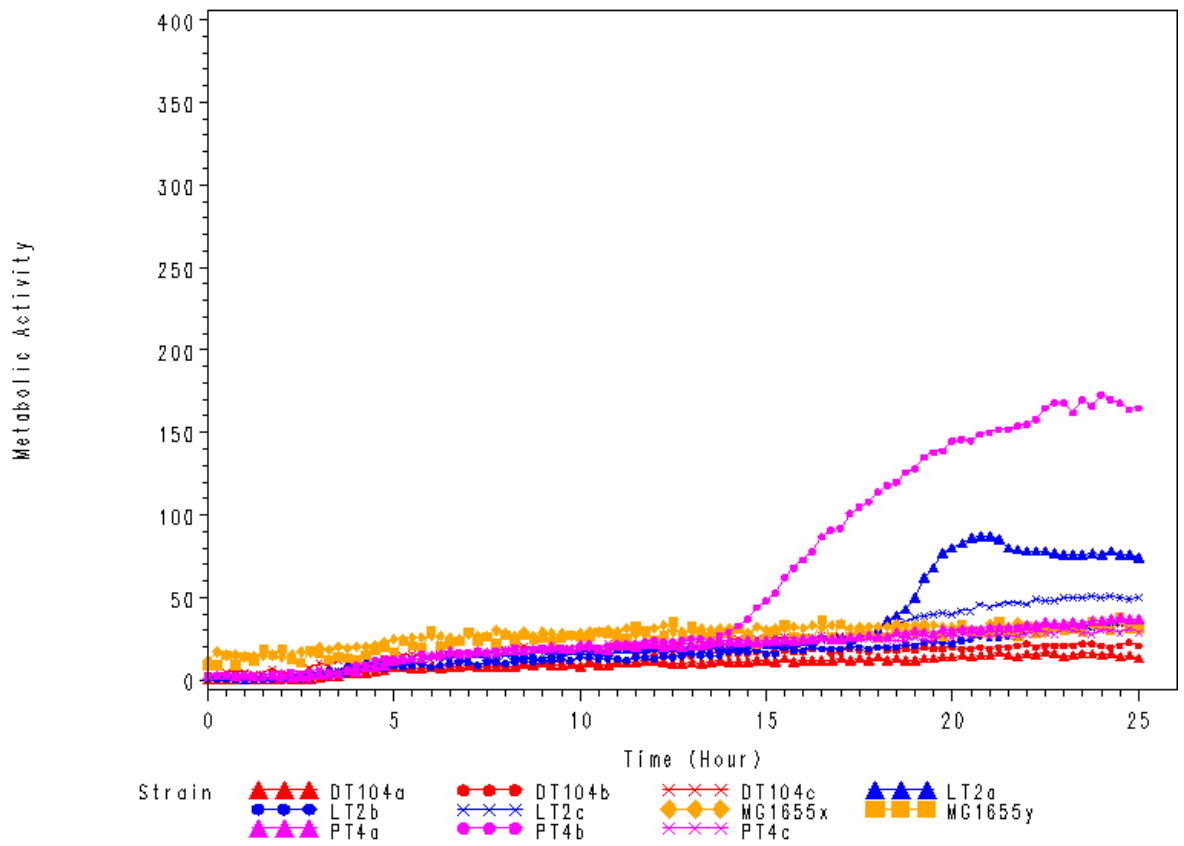
PM02A, B06 (D－Arabitol)



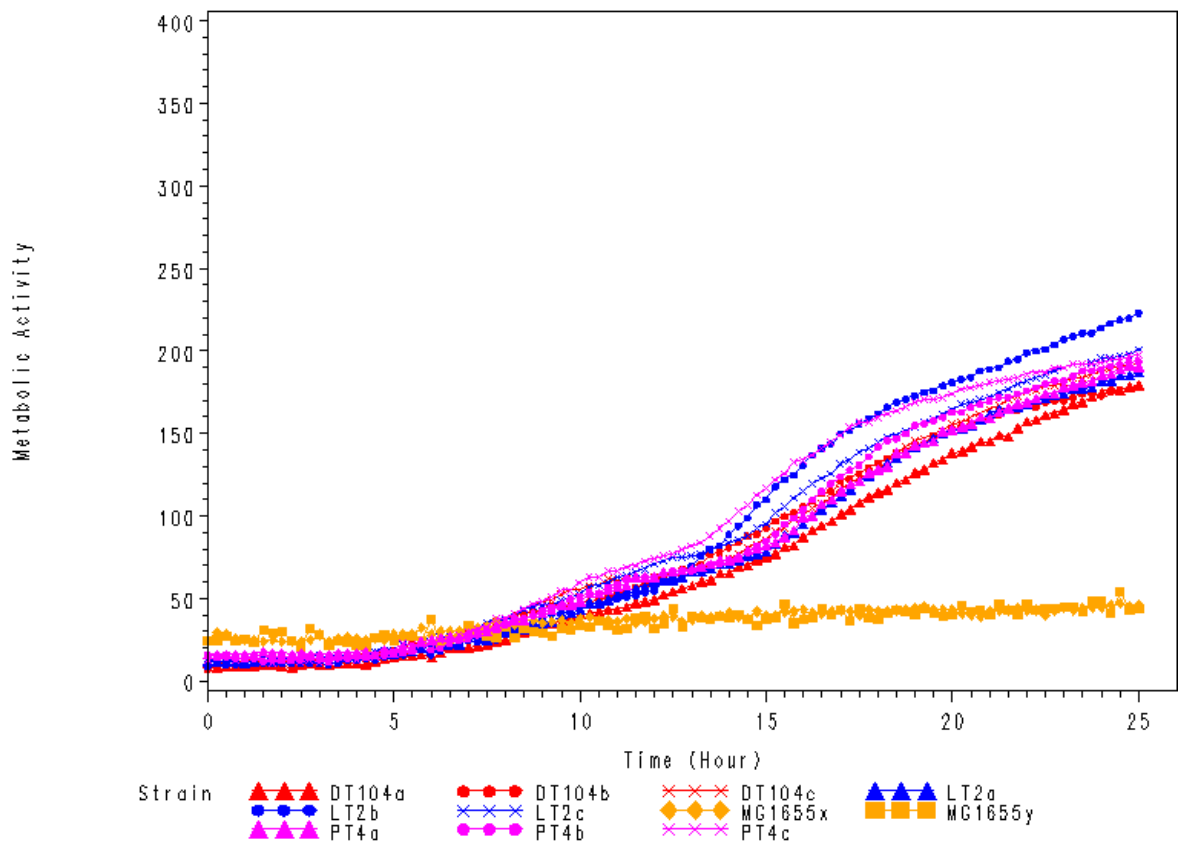
PM02A, B07 (L-Arabitol)



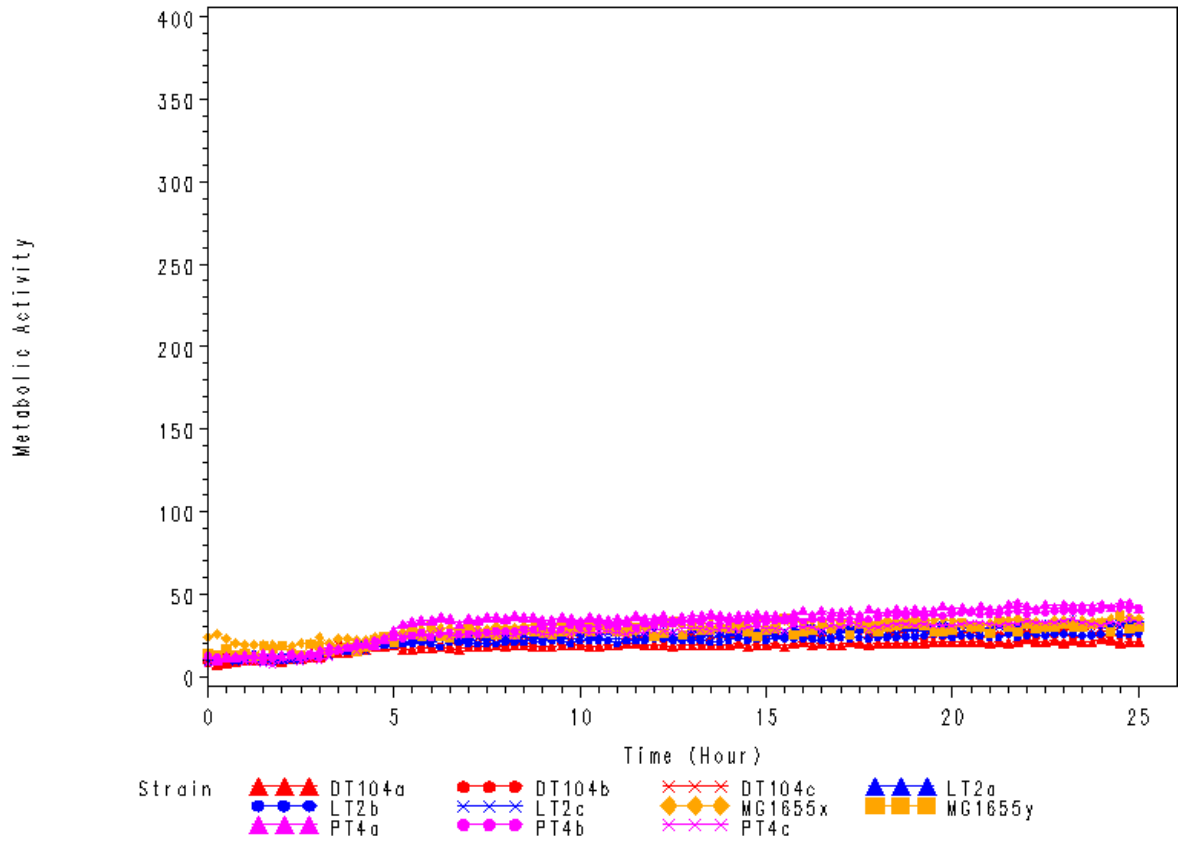
PM02A, B08 (Arbutin)



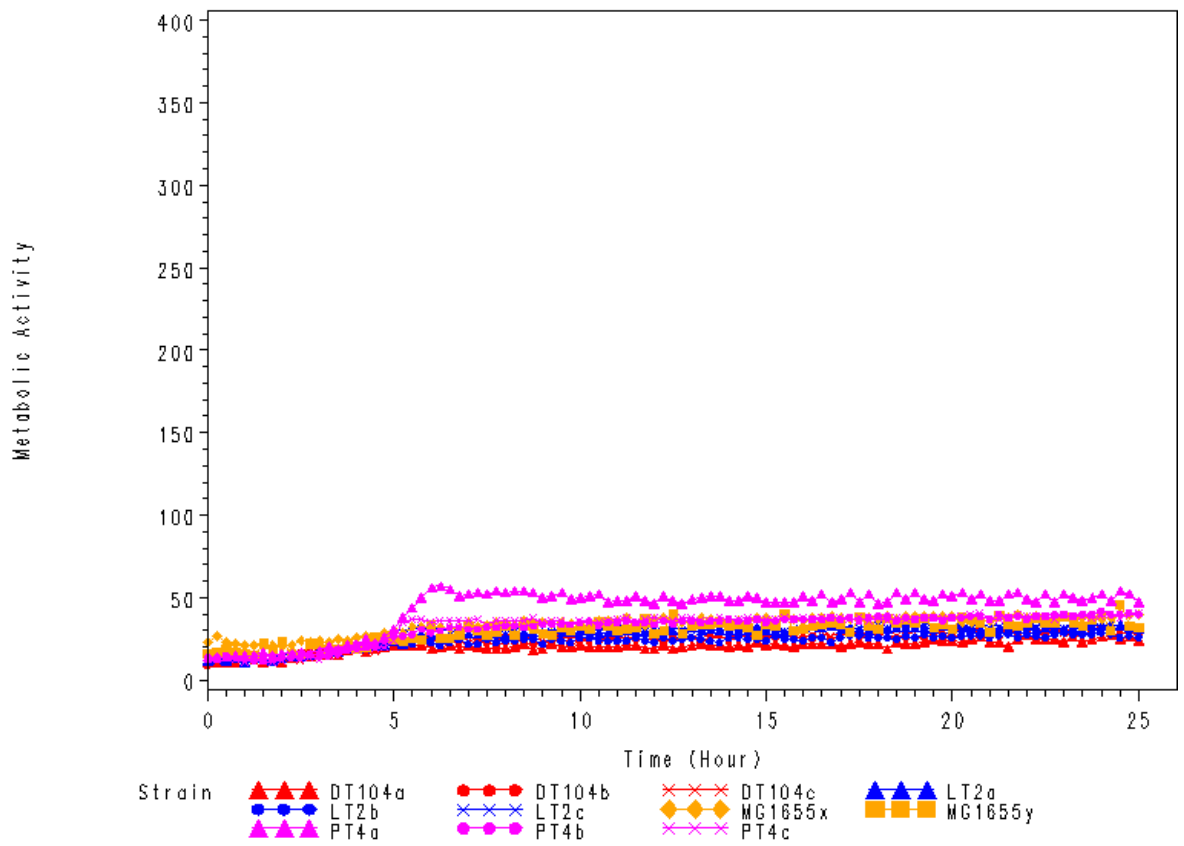
PM02A, B09 (2-Deoxy-D-Ribose)



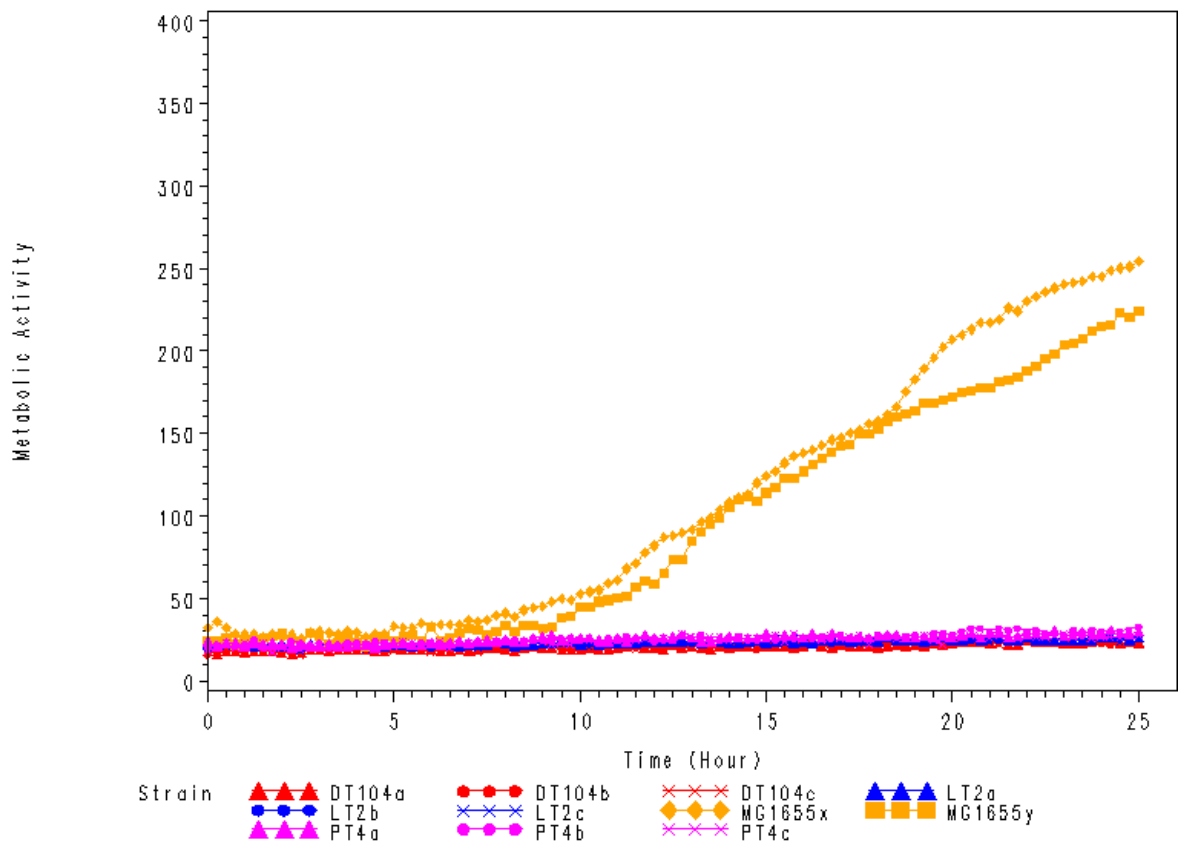
PM02A, B10 (i-Erythritol)



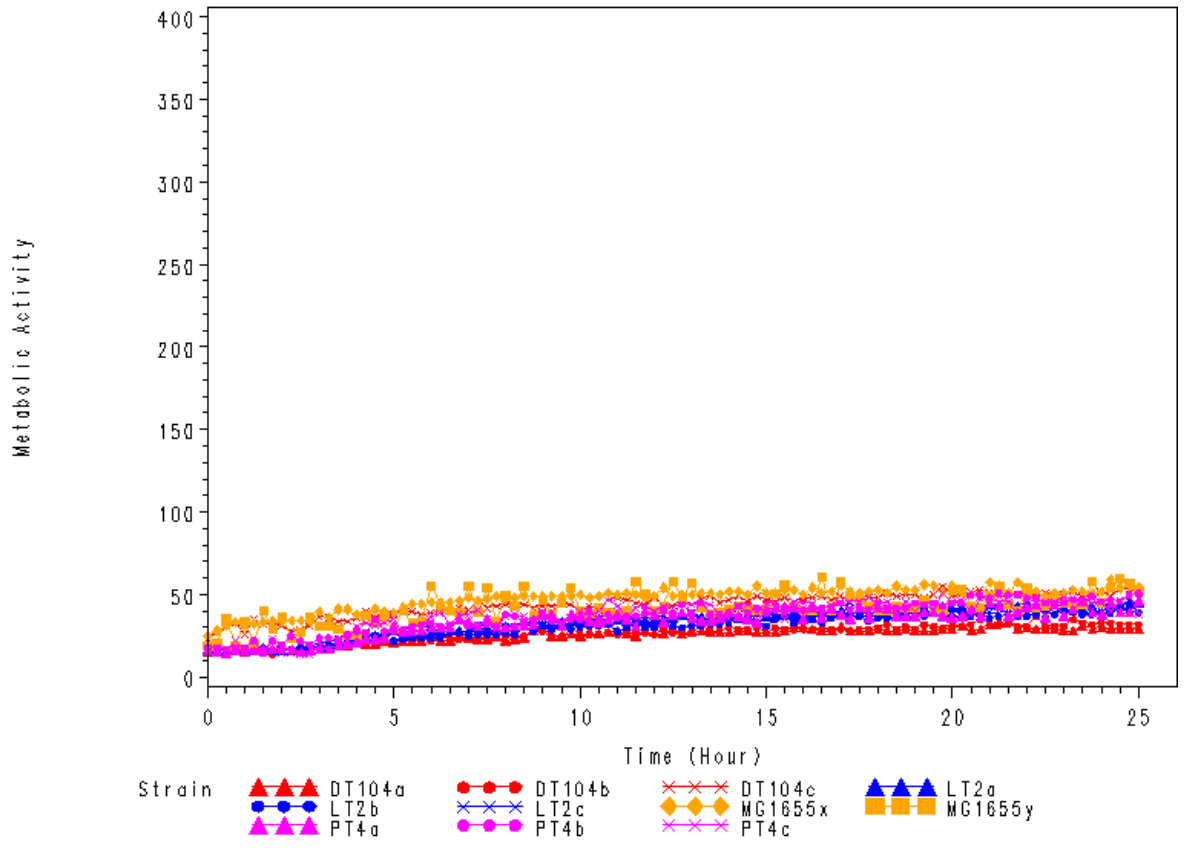
PM02A, B11 (D-Fucose)



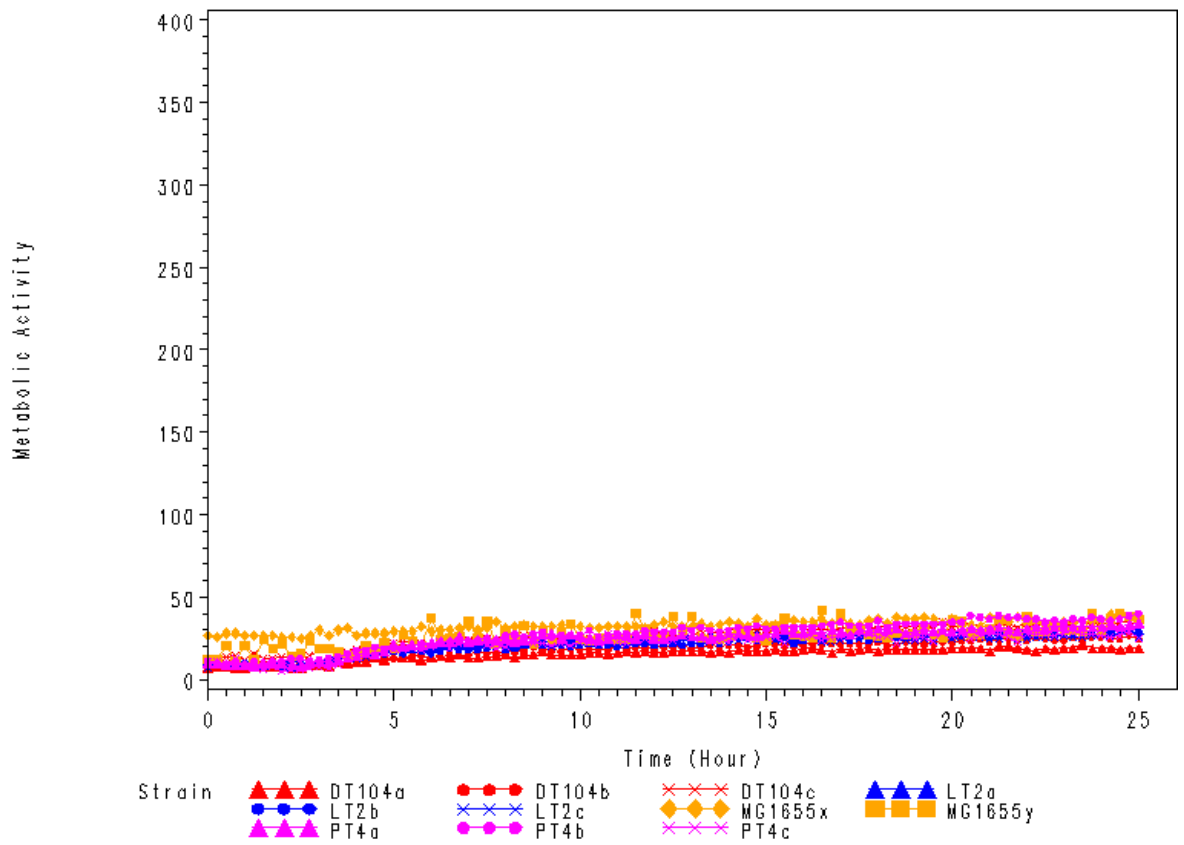
PM02A, B12 (3-O-b-D-Galacto-pyranosyl-D-Arabinose



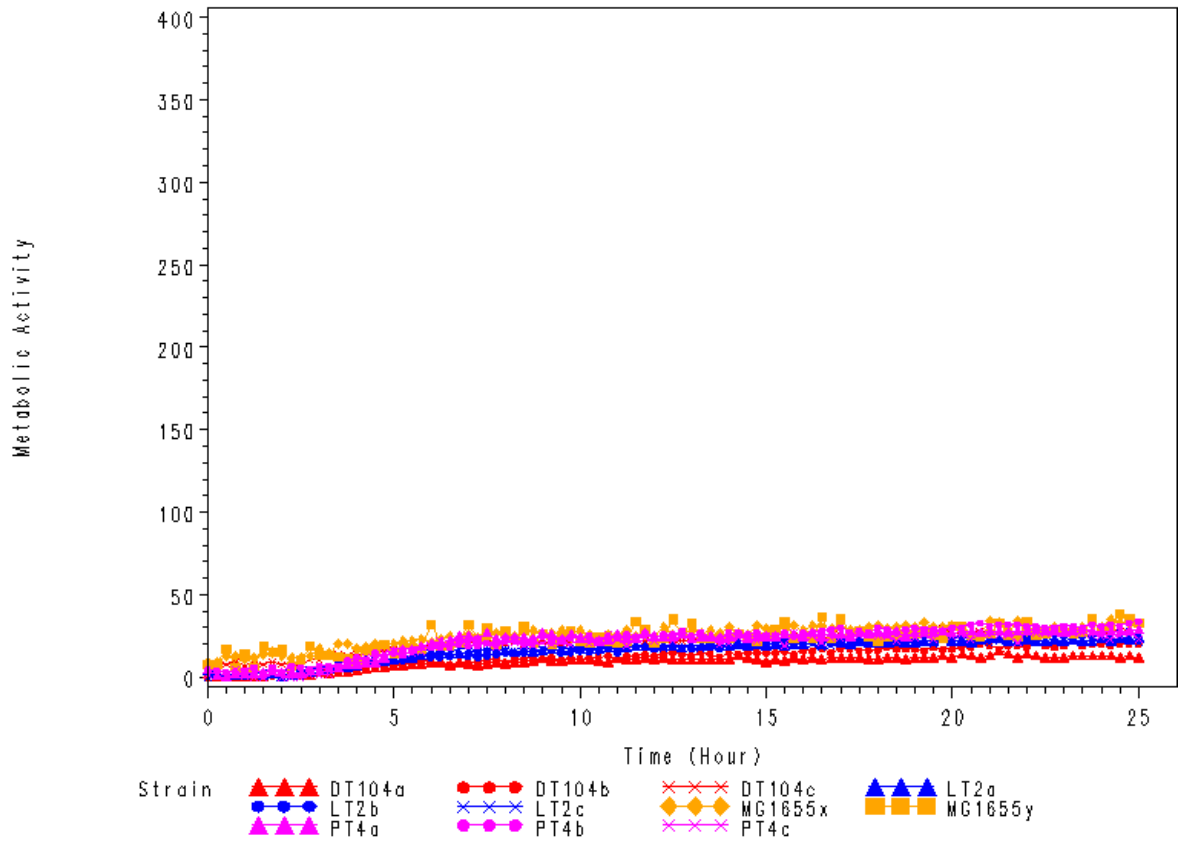
PM02A, C01 (Gentiobiose)



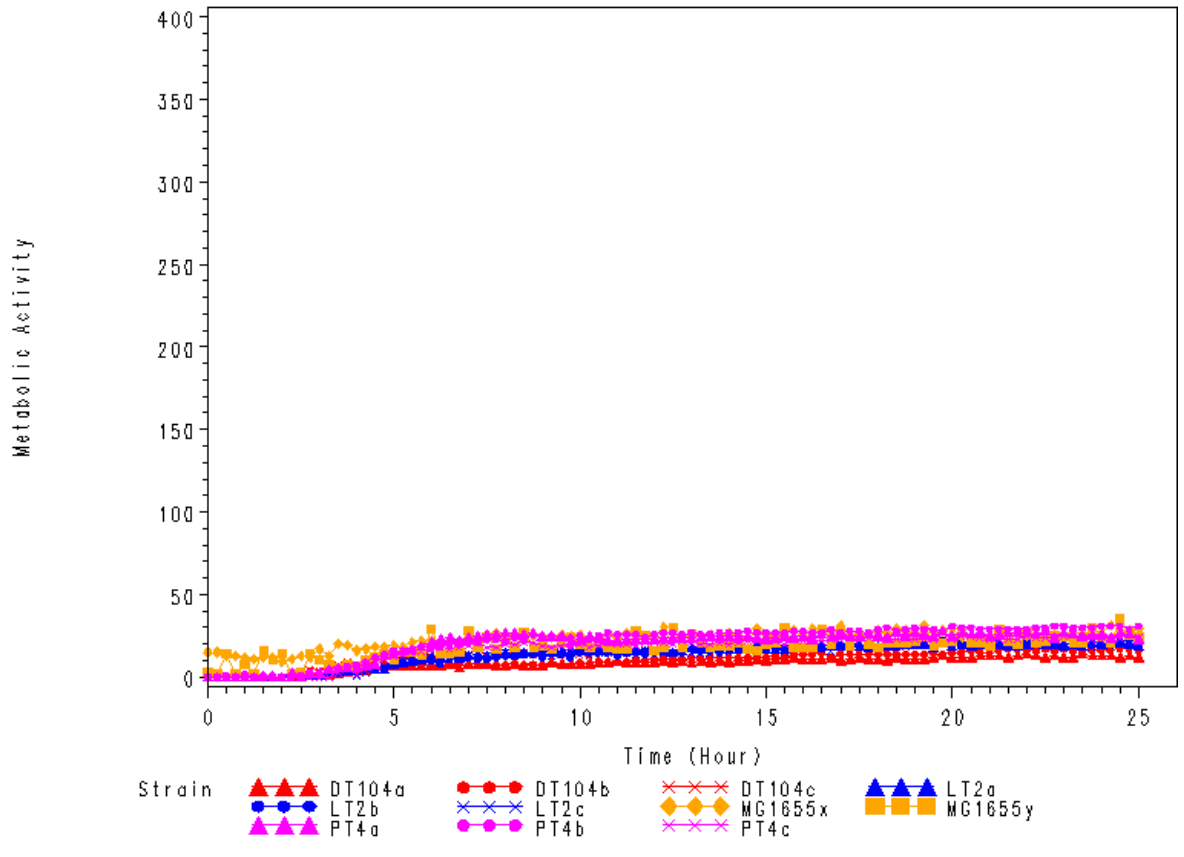
PM02A, C02 (L-Glucose)



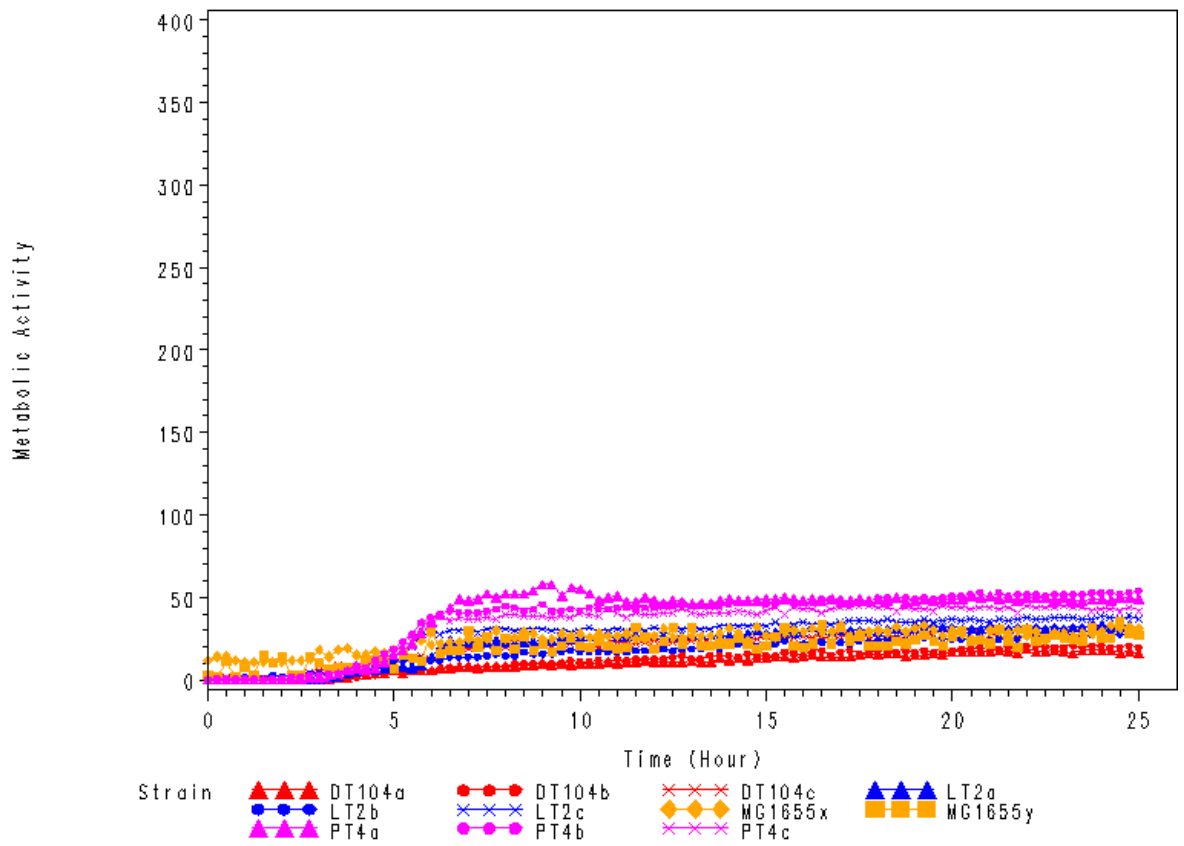
PM02A, C03 (D-Lactitol)



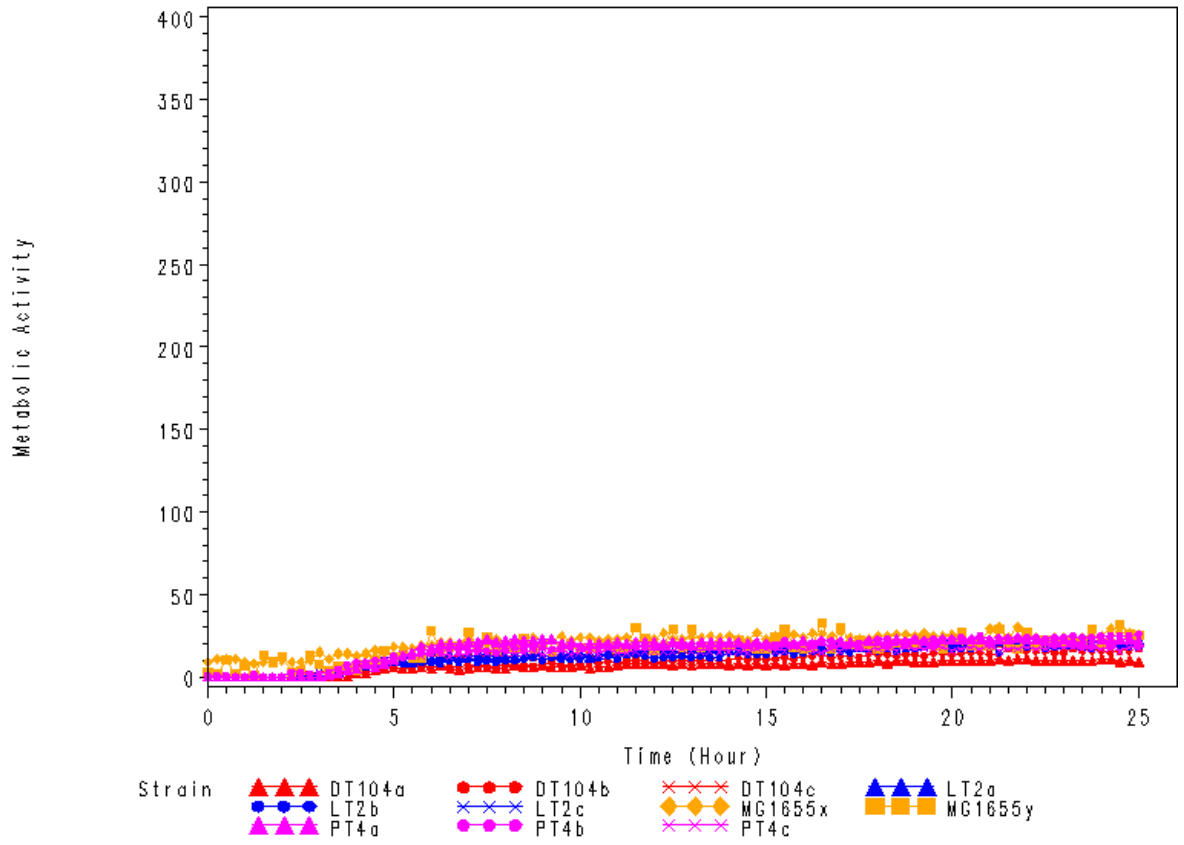
PM02A, C04 (D—Lyxose)



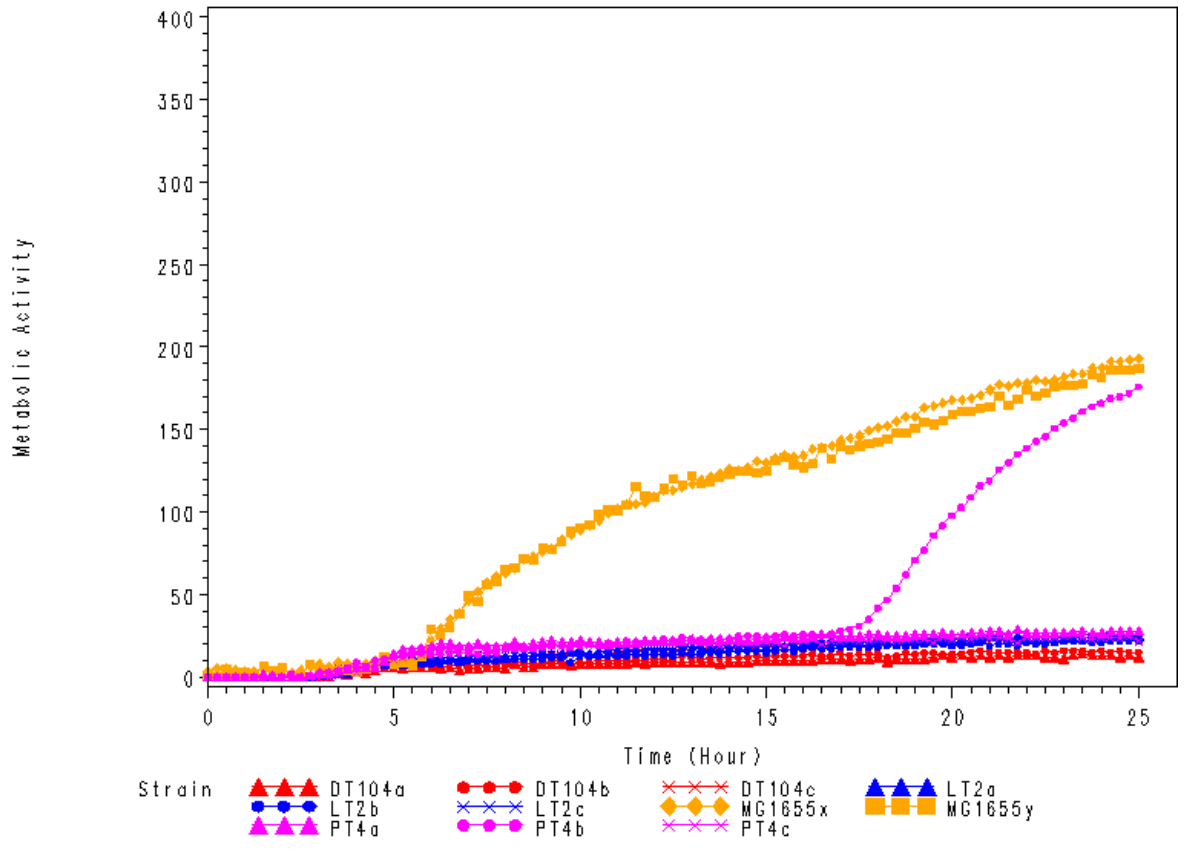
PM02A, C05 (Maltitol)



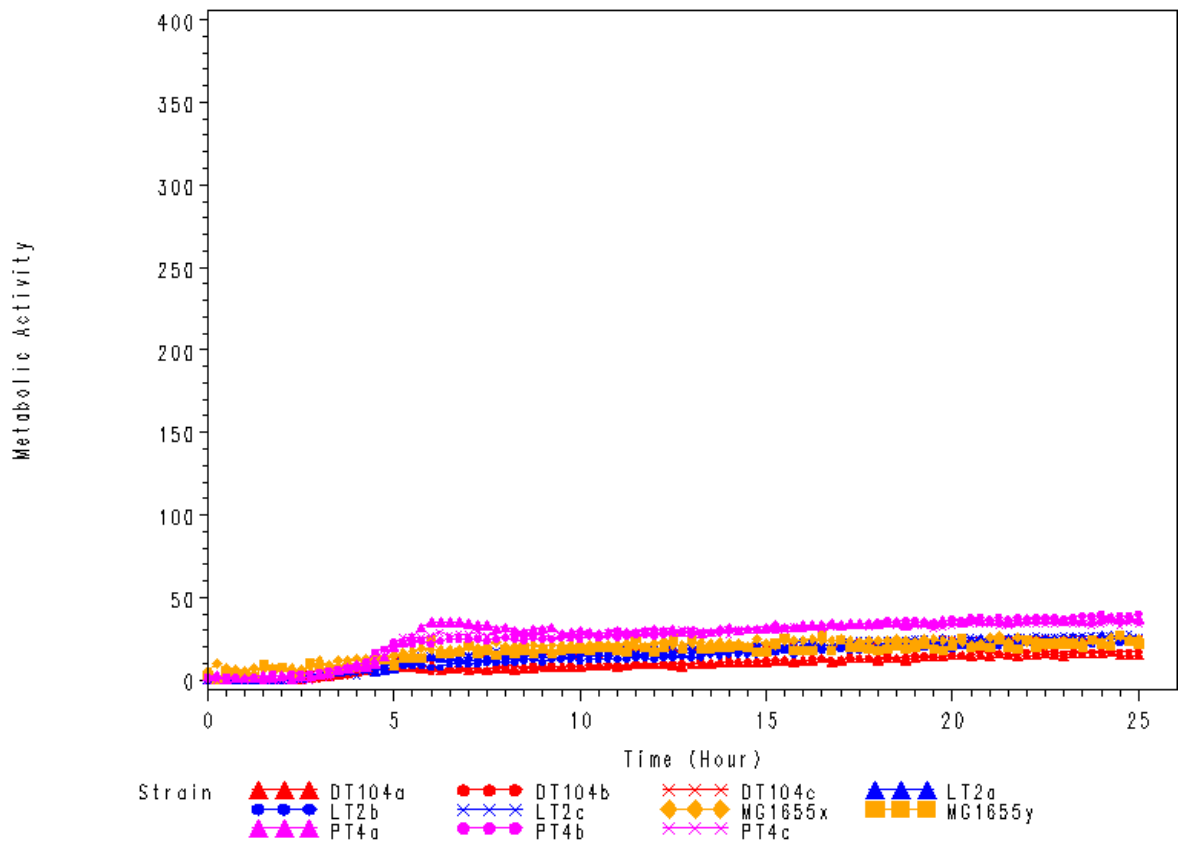
PM02A, C06 (a—Methyl—D—Galactoside)



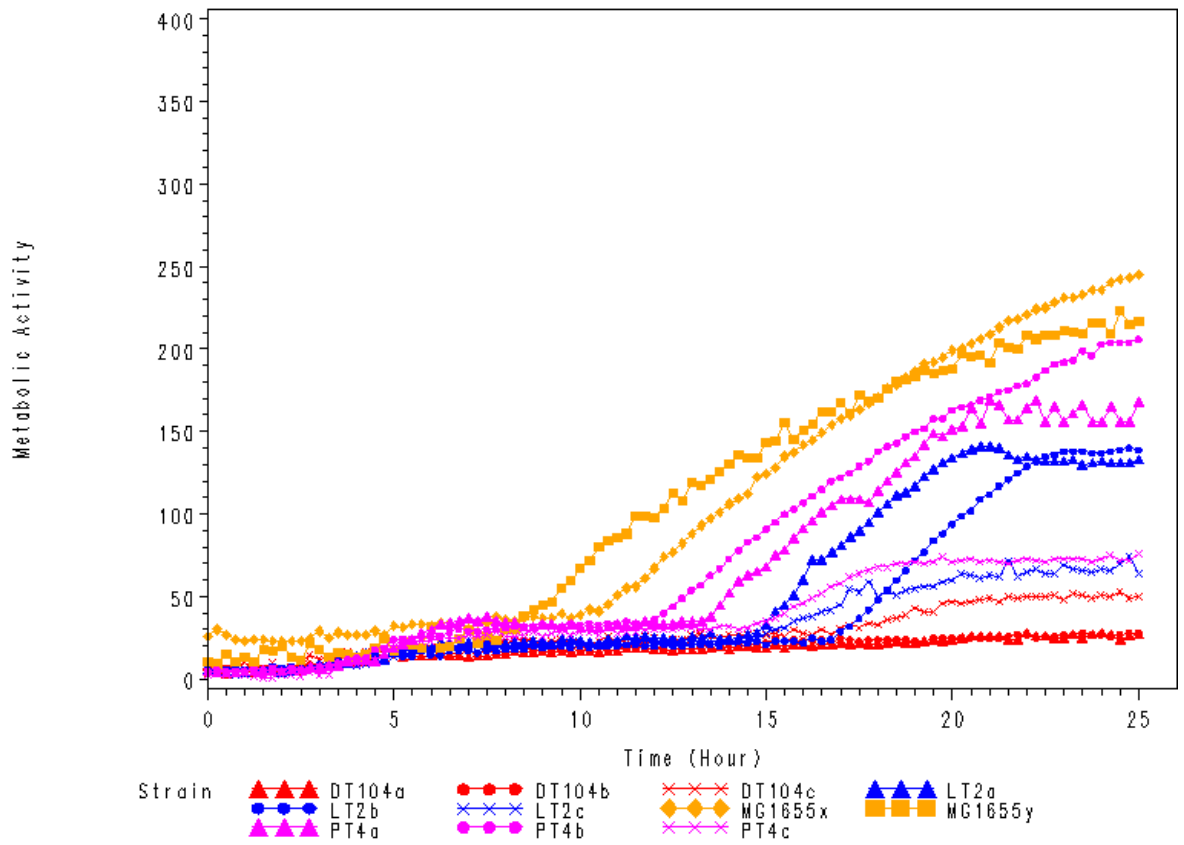
PM02A, C07 (b—Methyl—D—Galactoside)



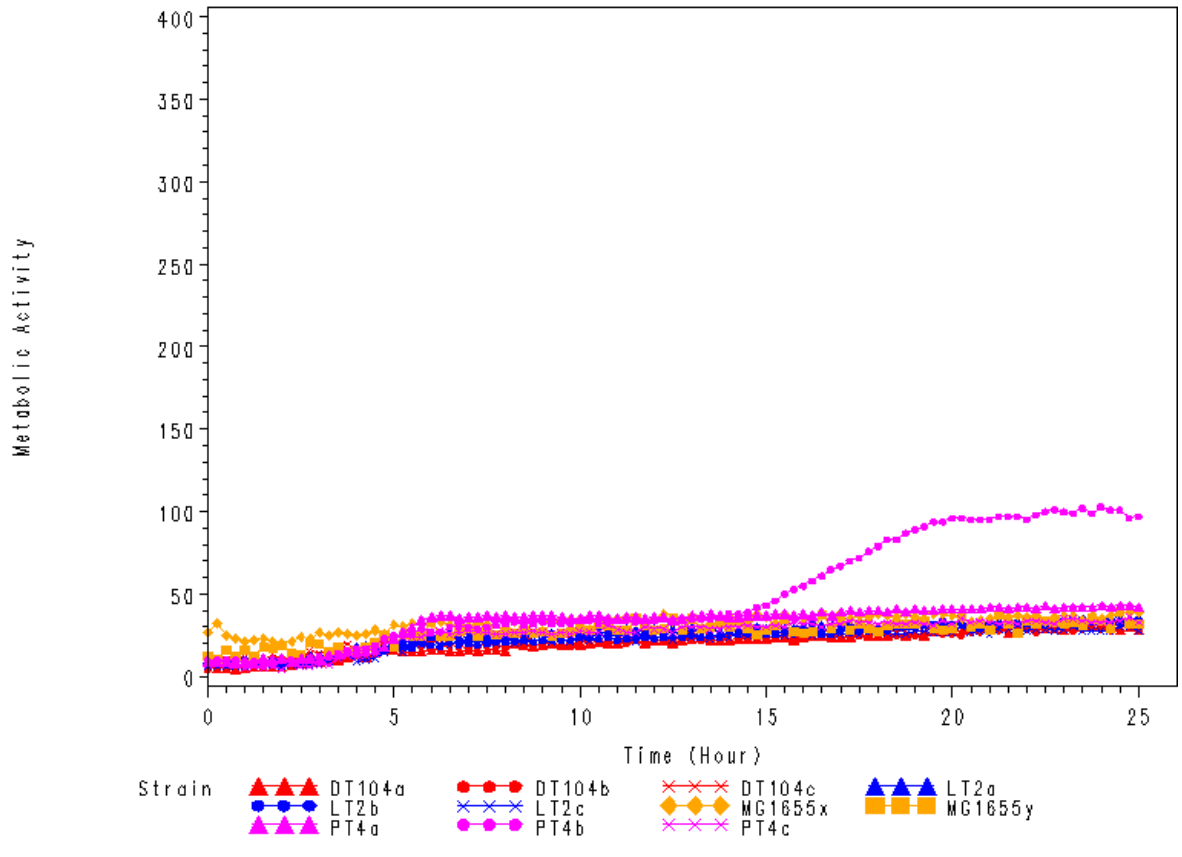
PM02A, C08 (3—Methyl Glucose)



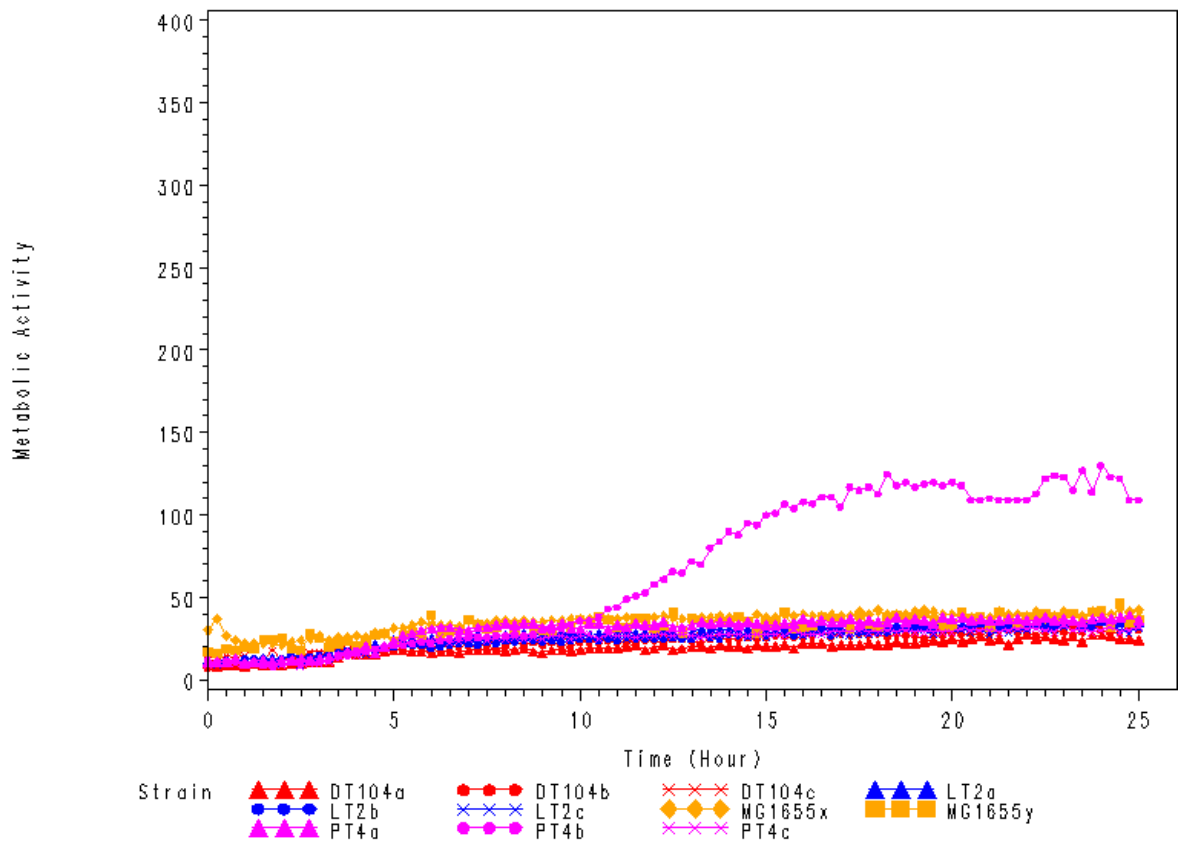
PM02A, C09 (b—Methyl—D—Glucuronic Acid)



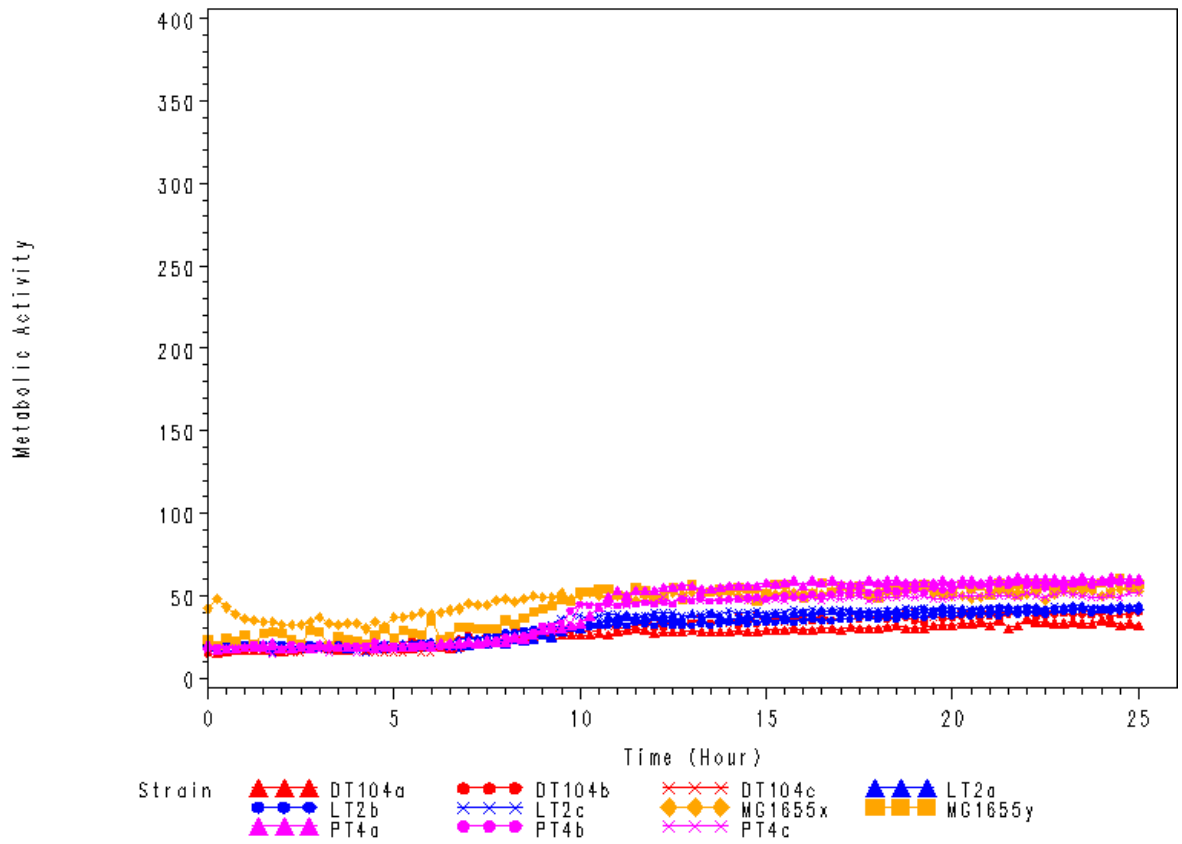
PM02A, C10 (a—Methyl—D—Mannoside)



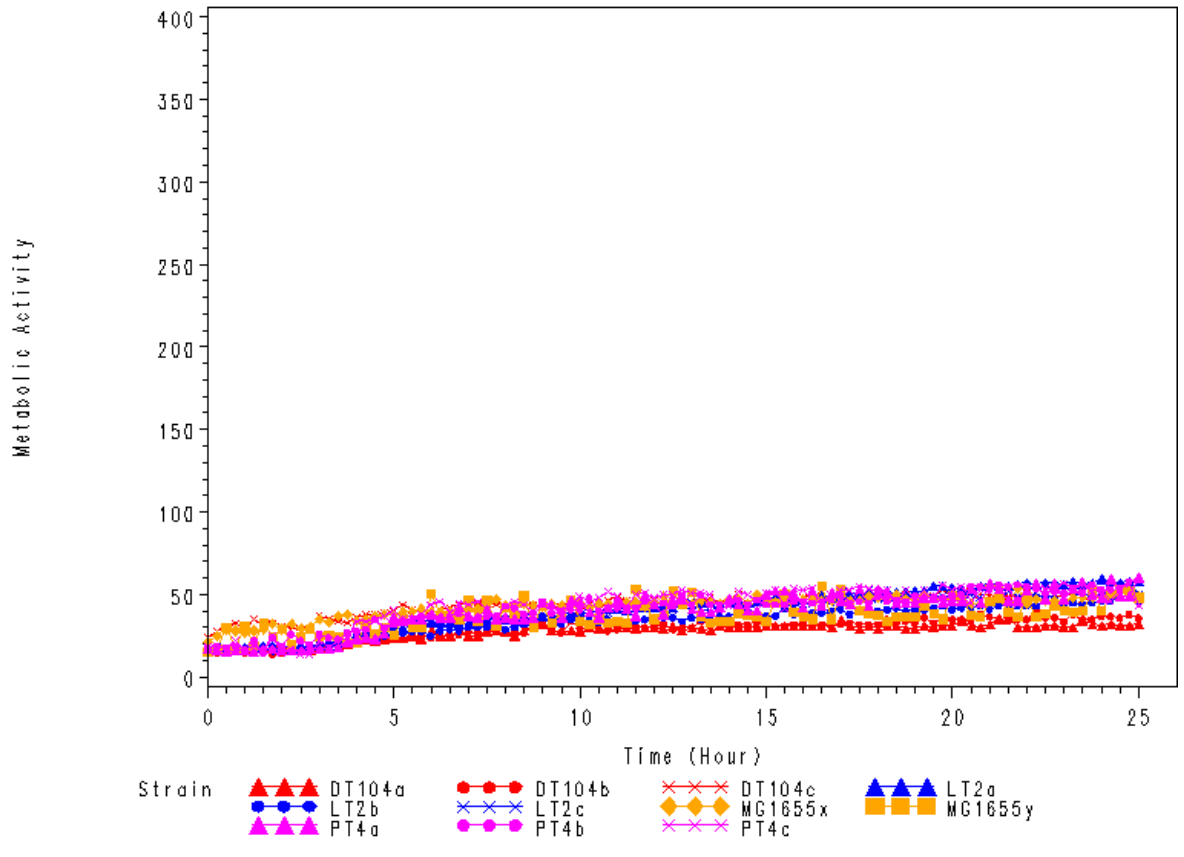
PM02A, C11 (b—Methyl—D—Xyloside)



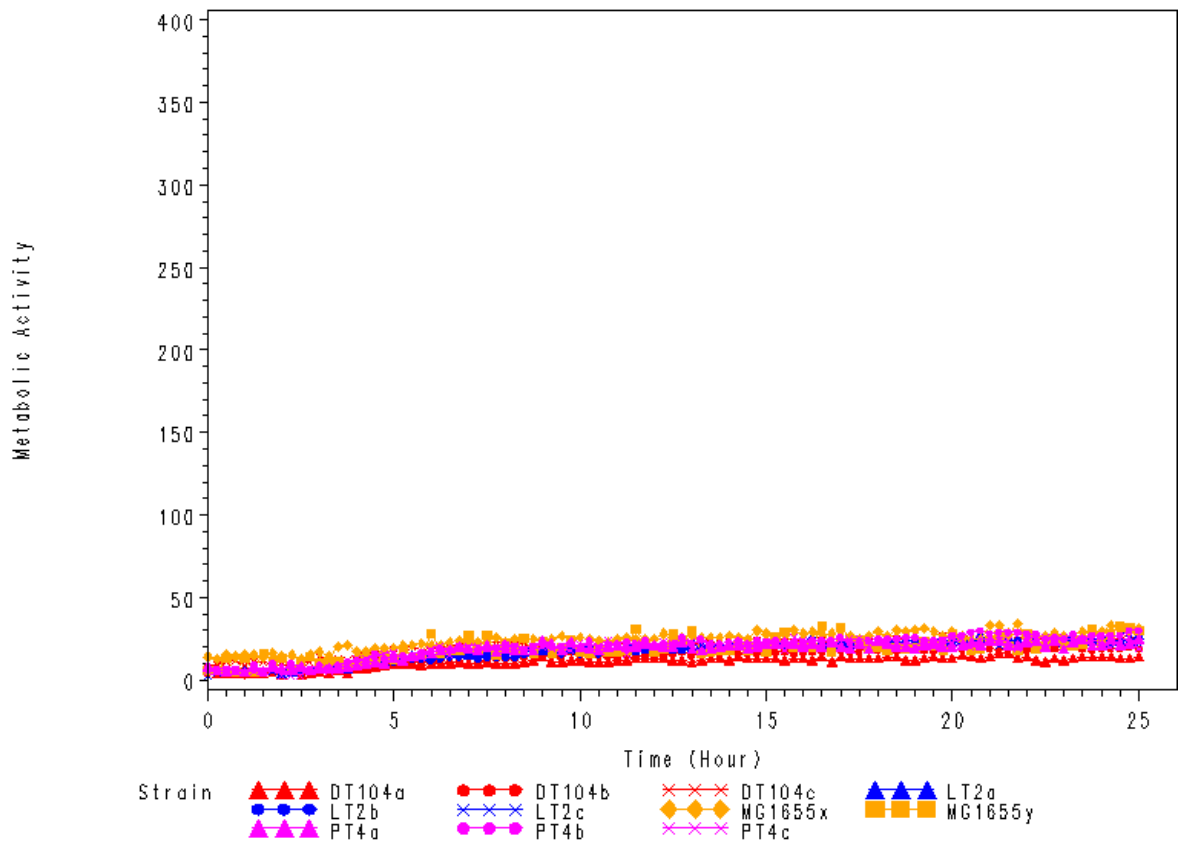
PM02A, C12 (Palatinose)



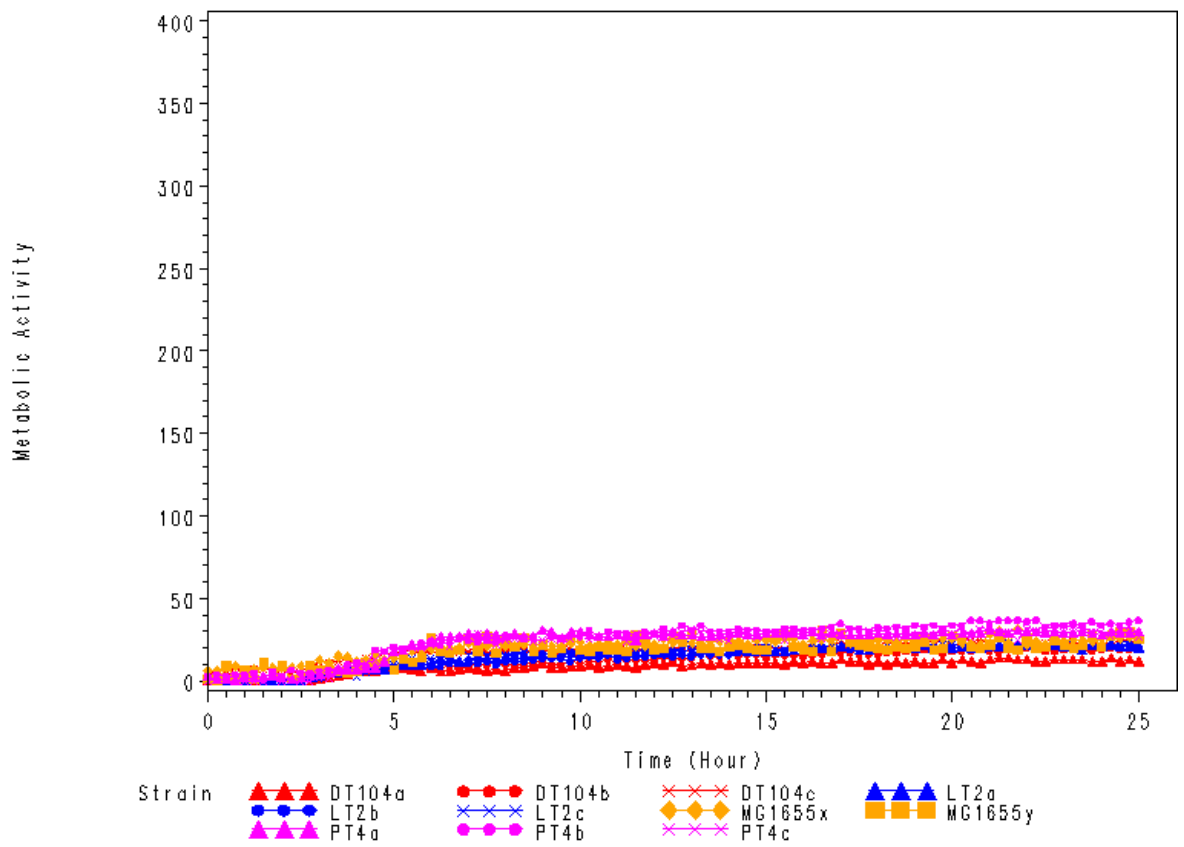
PM02A, D01 (D-Raffinose)



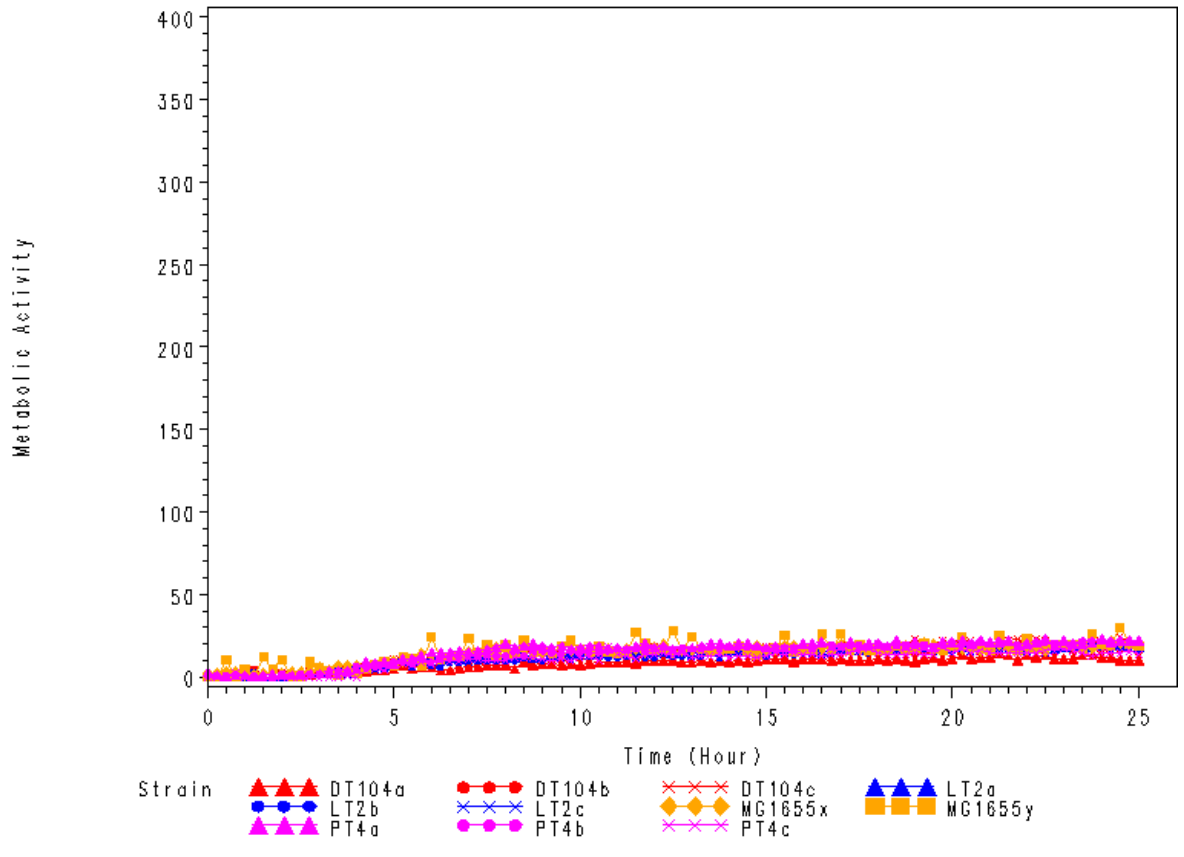
PM02A, D02 (Salicin)



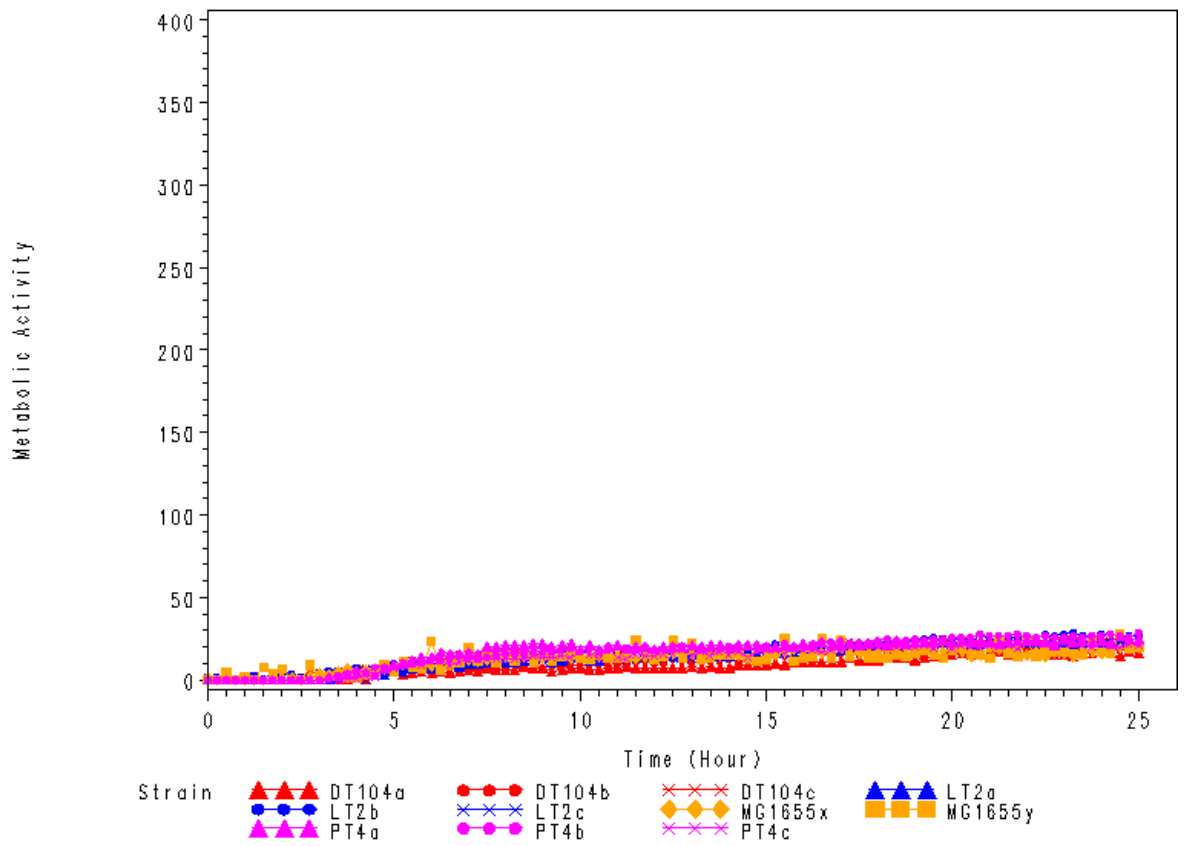
PM02A, D03 (Sedoheptulosan)



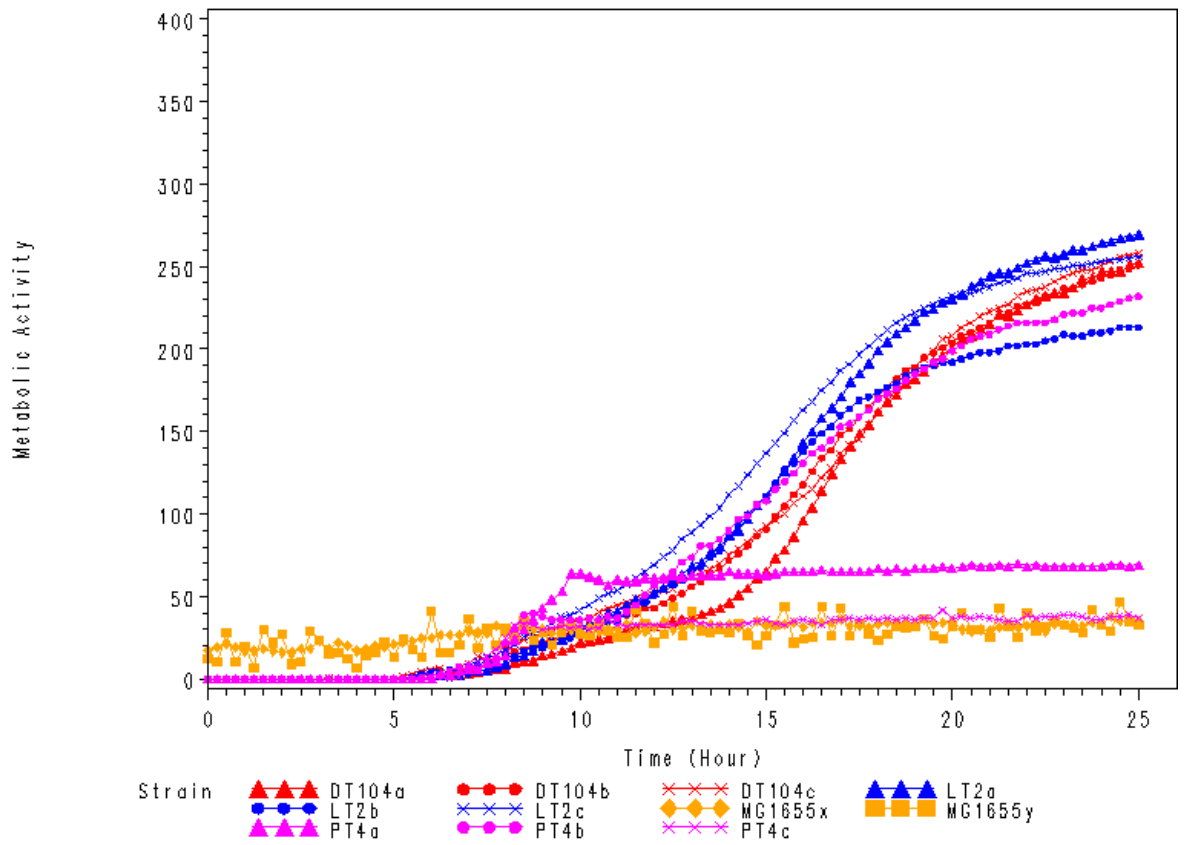
PM02A, D04 (L-Sorbose)



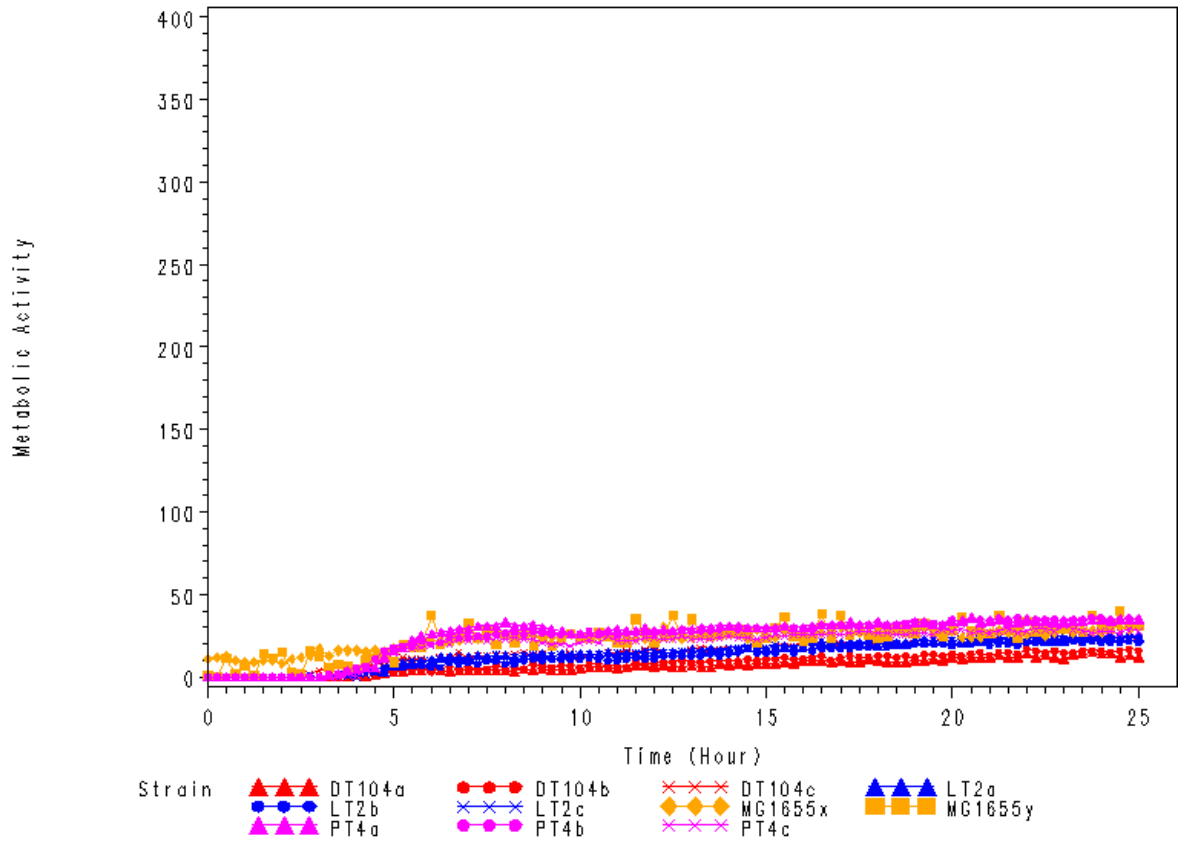
PM02A, D05 (Stachyose)



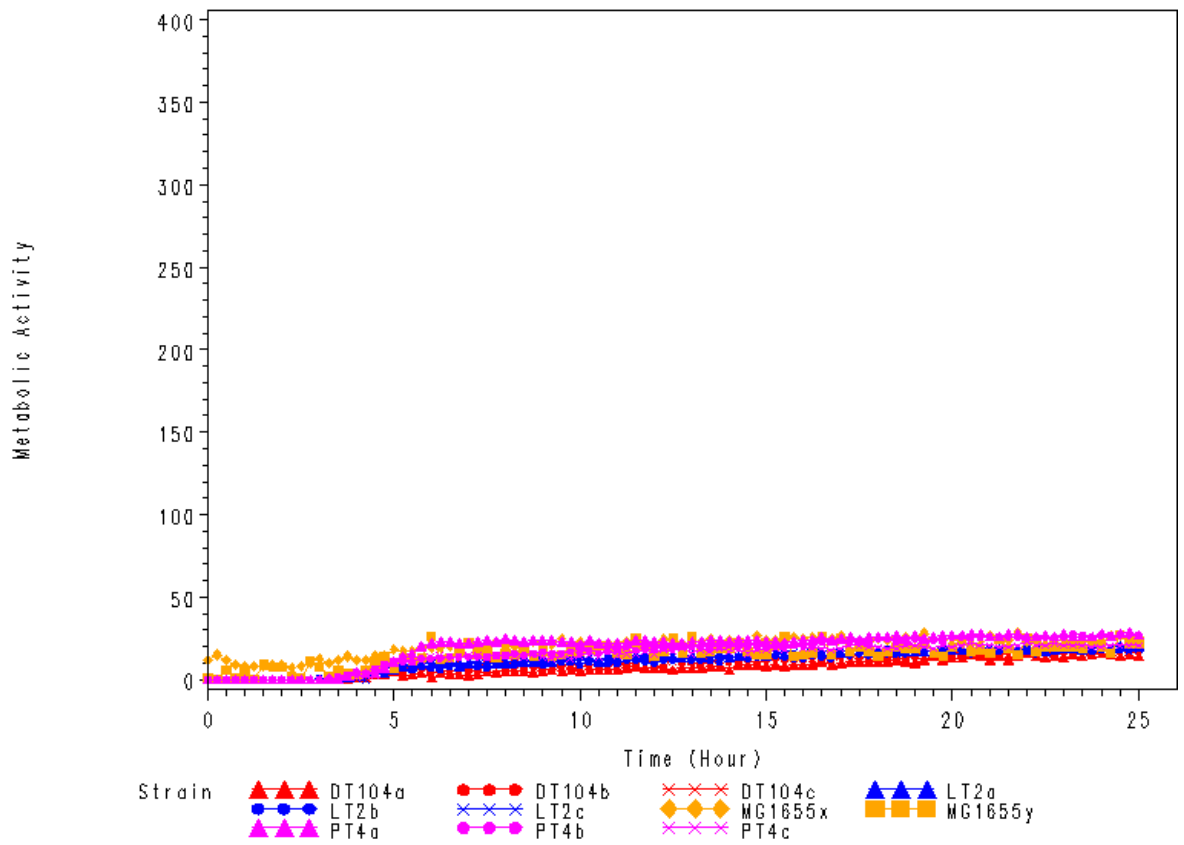
PM02A, D06 (D-Tagatose)



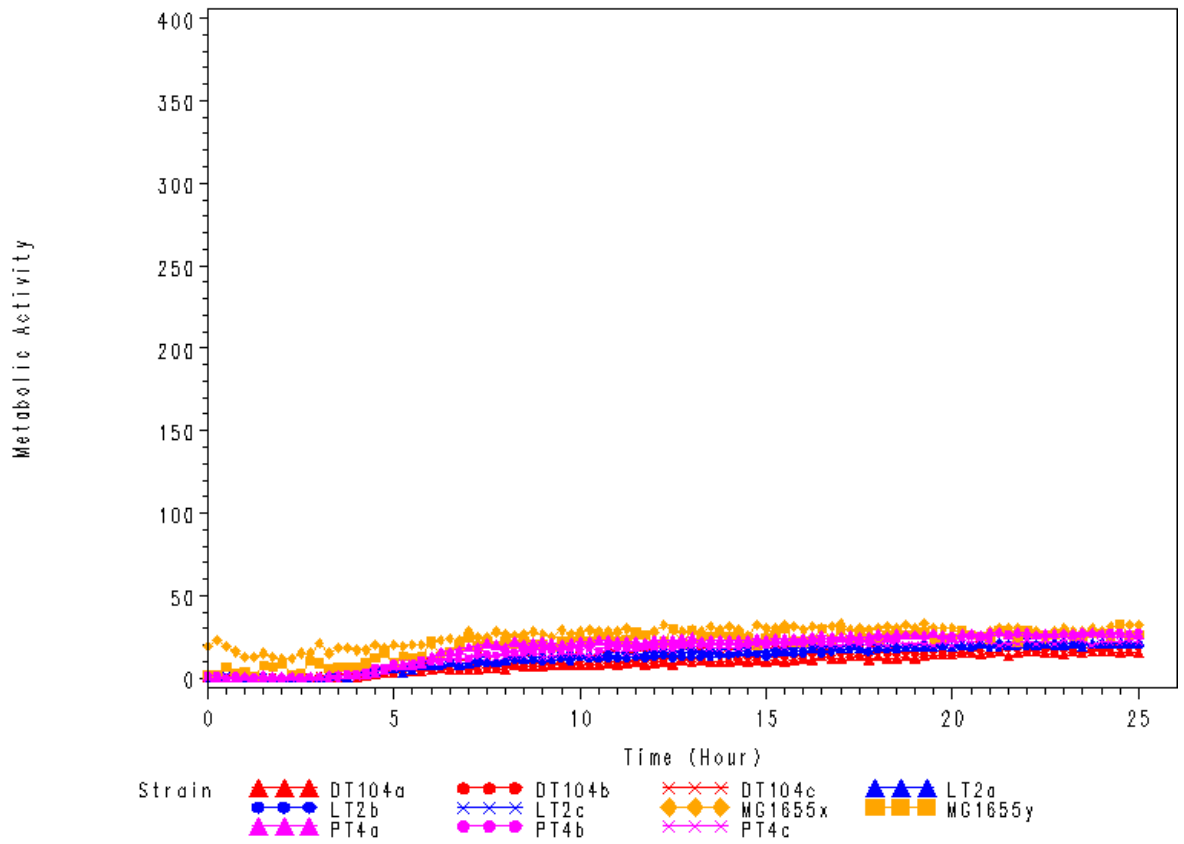
PM02A, D07 (Turanose)



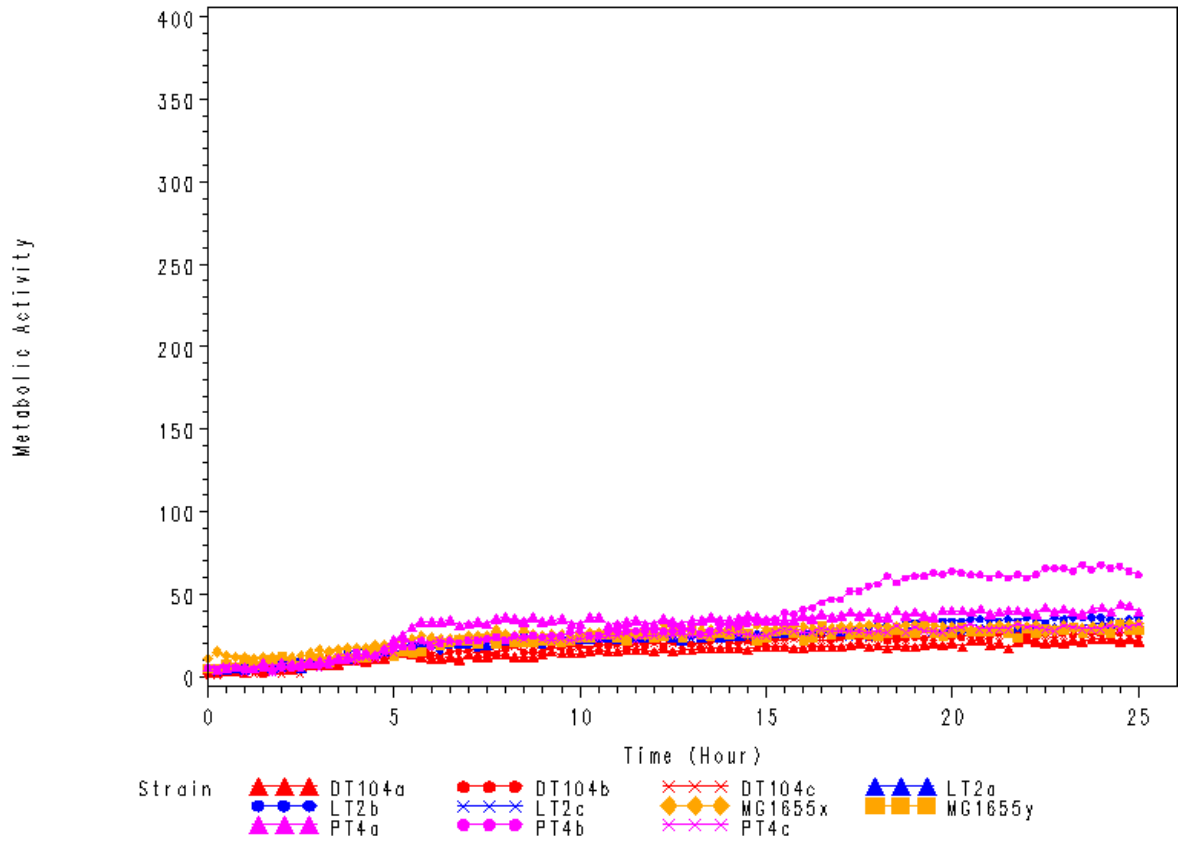
PM02A, D08 (Xylitol)



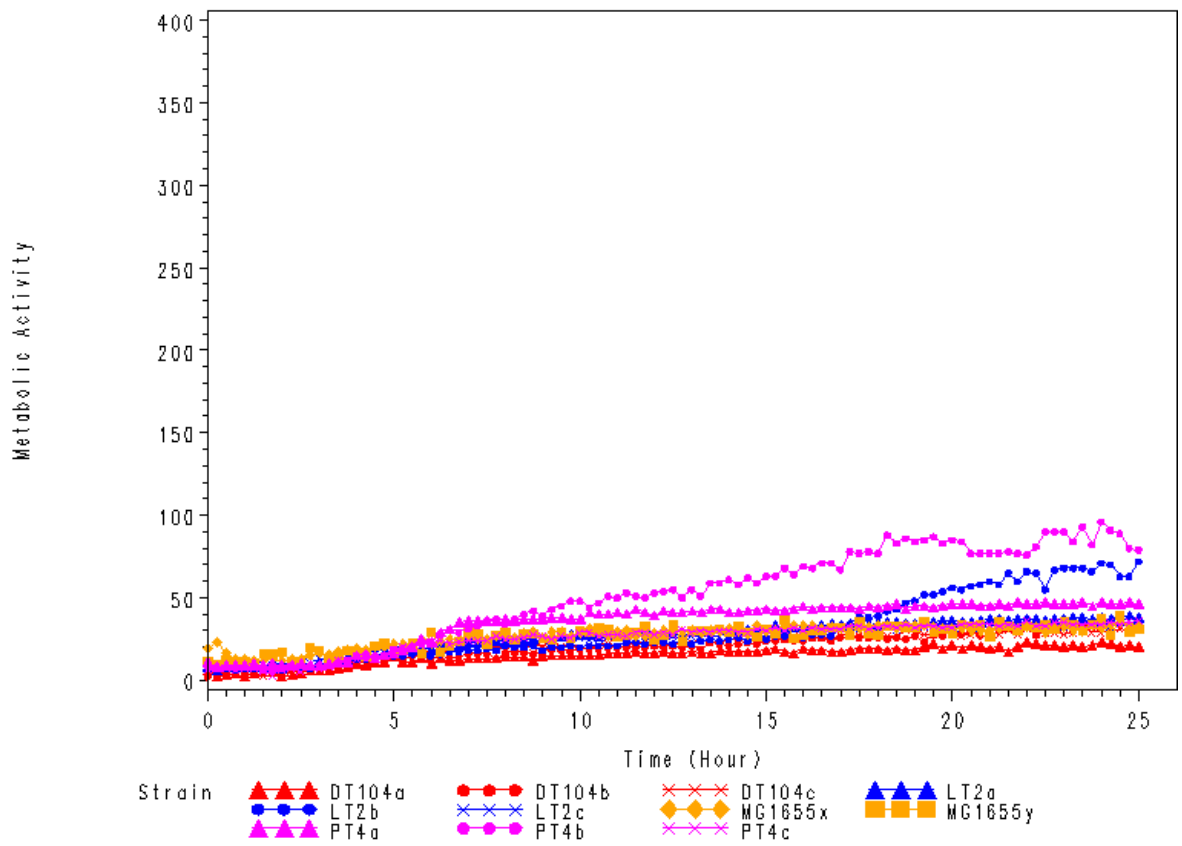
PM02A, D09 (L-Xylose)



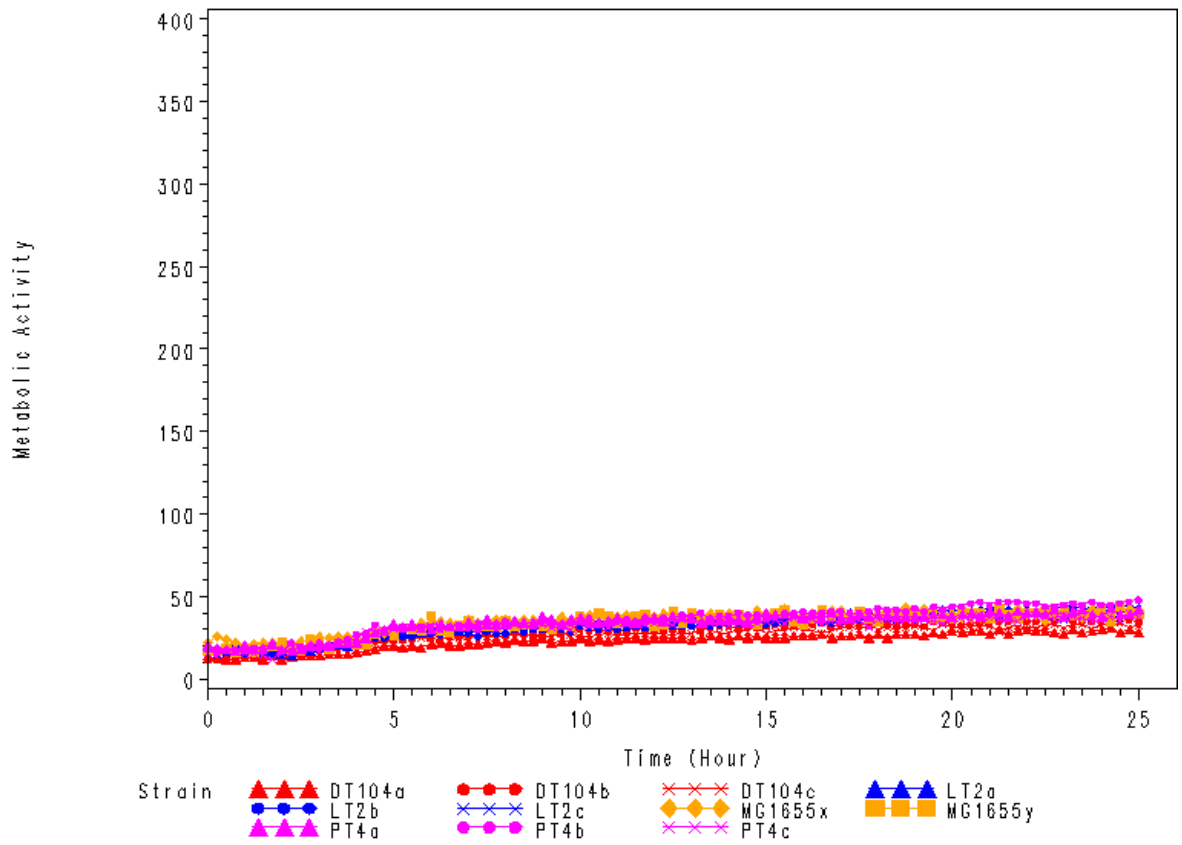
PM02A, D10 (g—Amino—Butyric Acid)



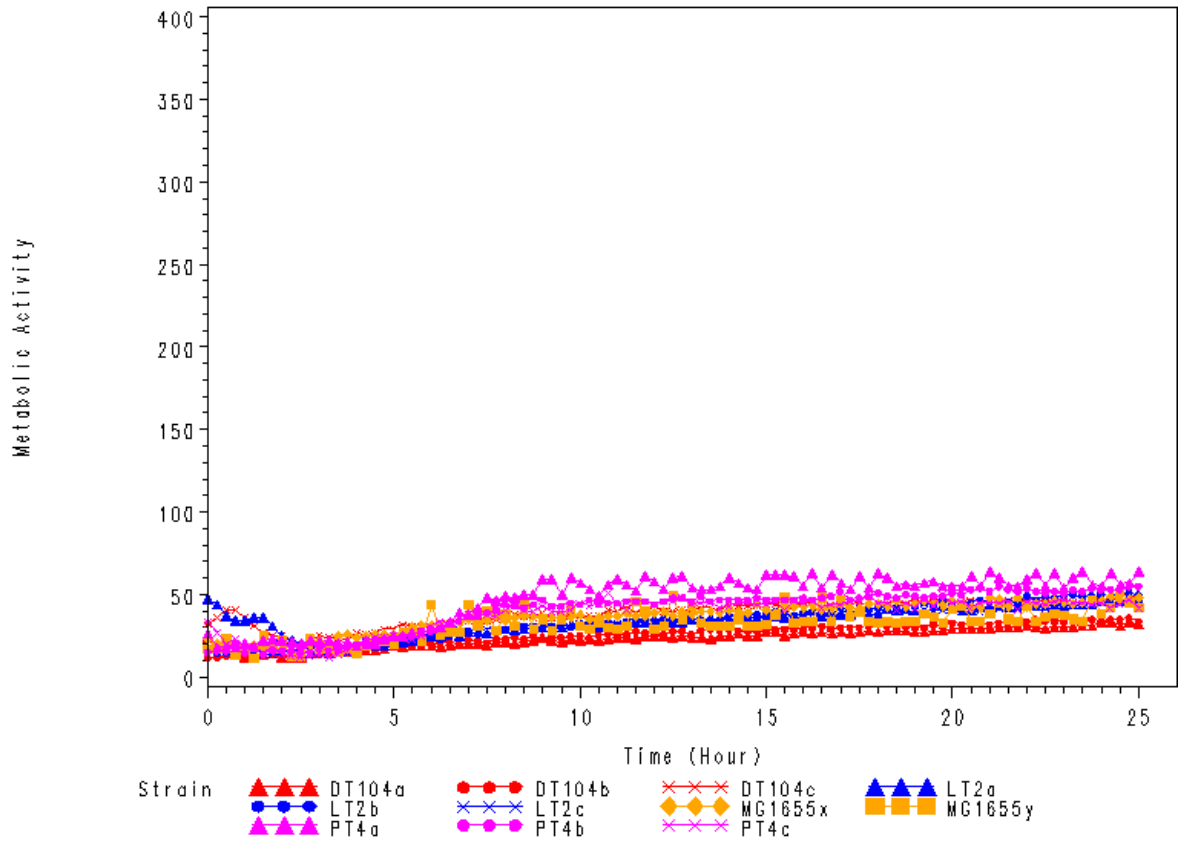
PM02A, D11 (d—Amino—Valeric Acid)



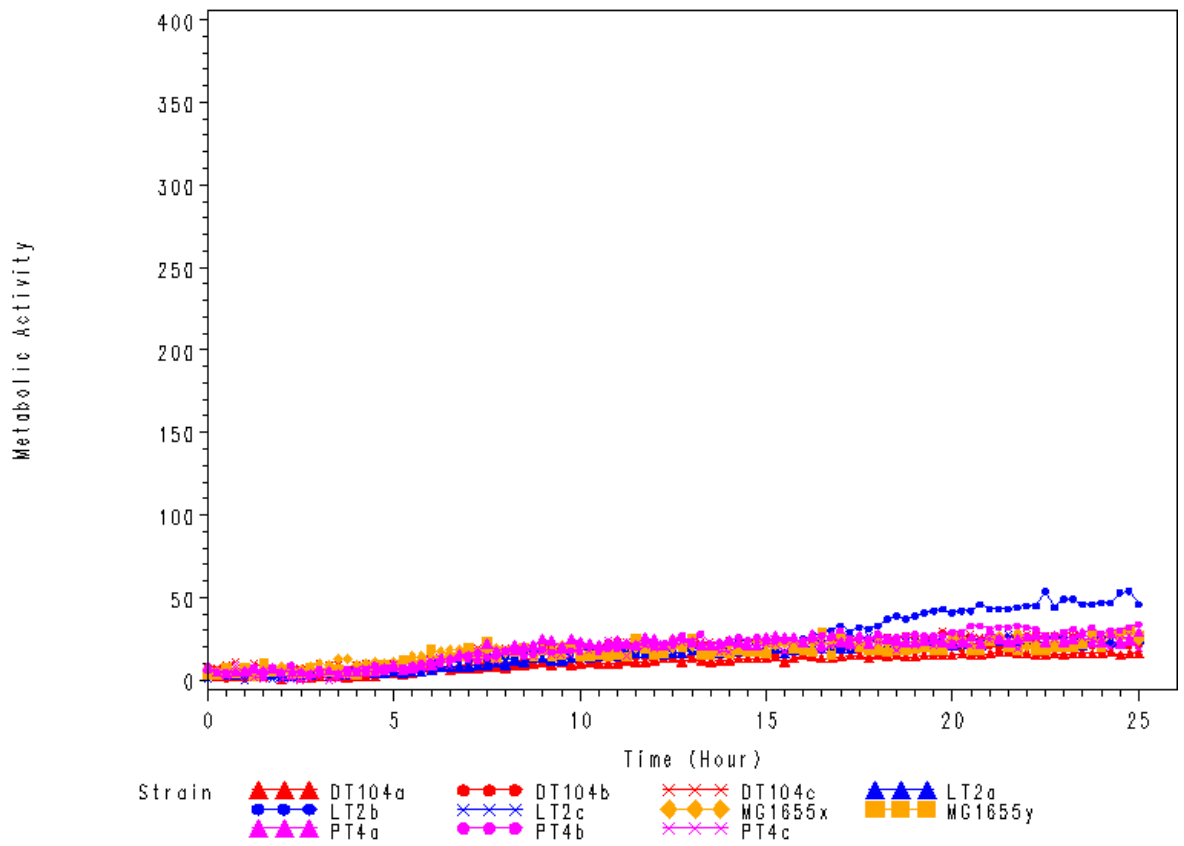
PM02A, D12 (Butyric Acid)



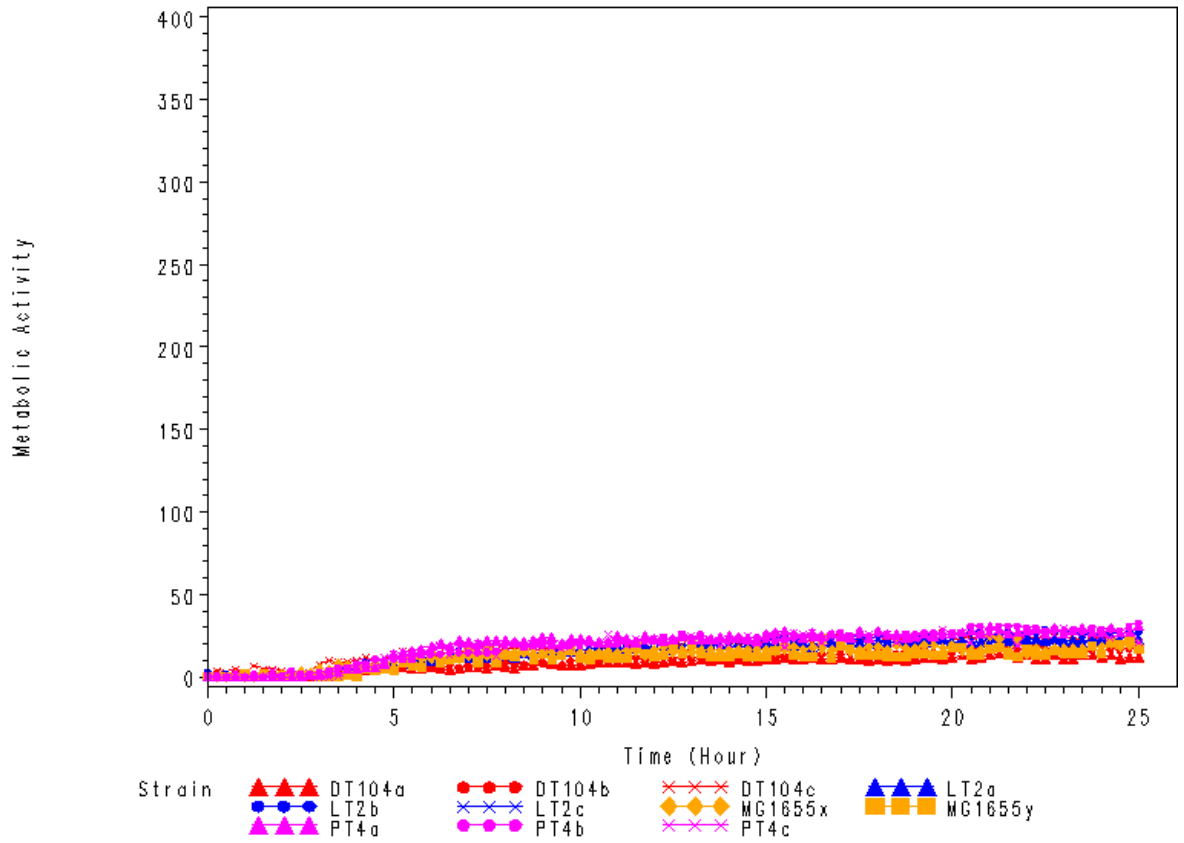
PM02A, E01 (Capric Acid)



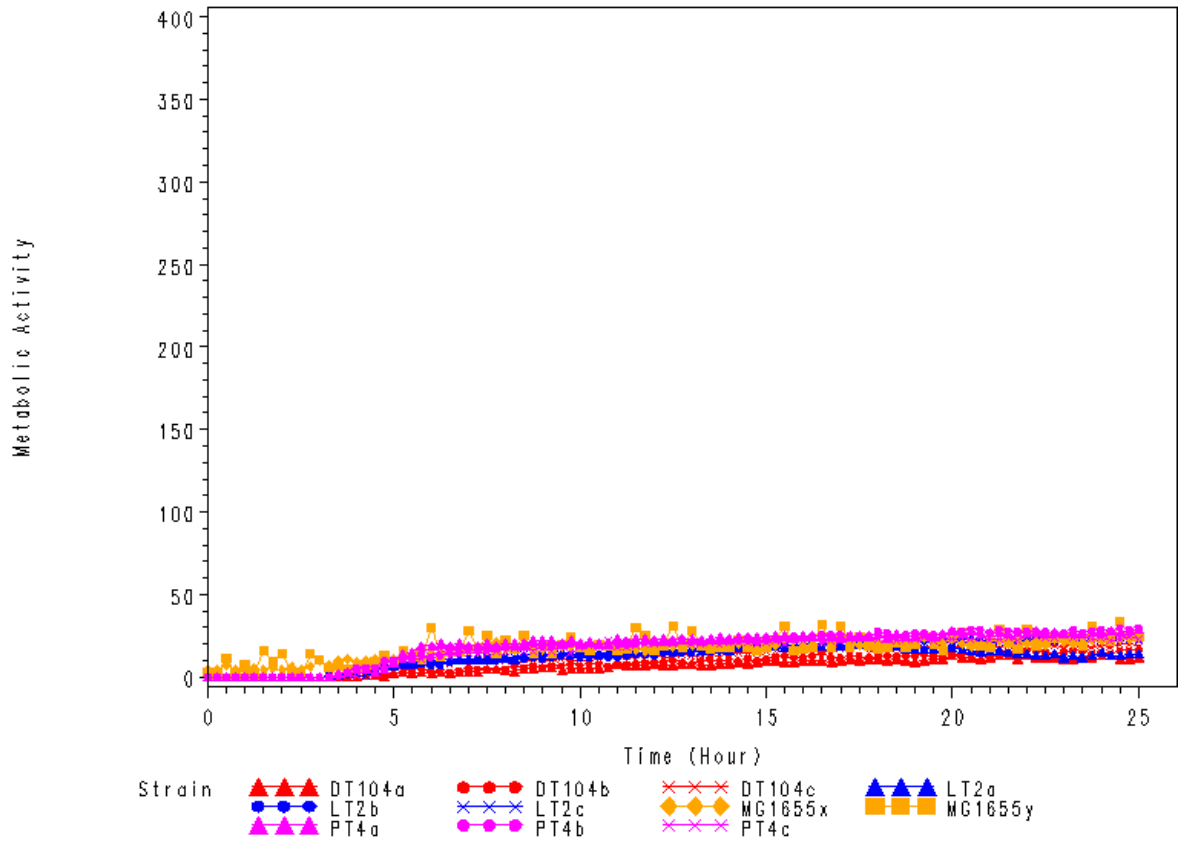
PM02A, E02 (Caproic Acid)



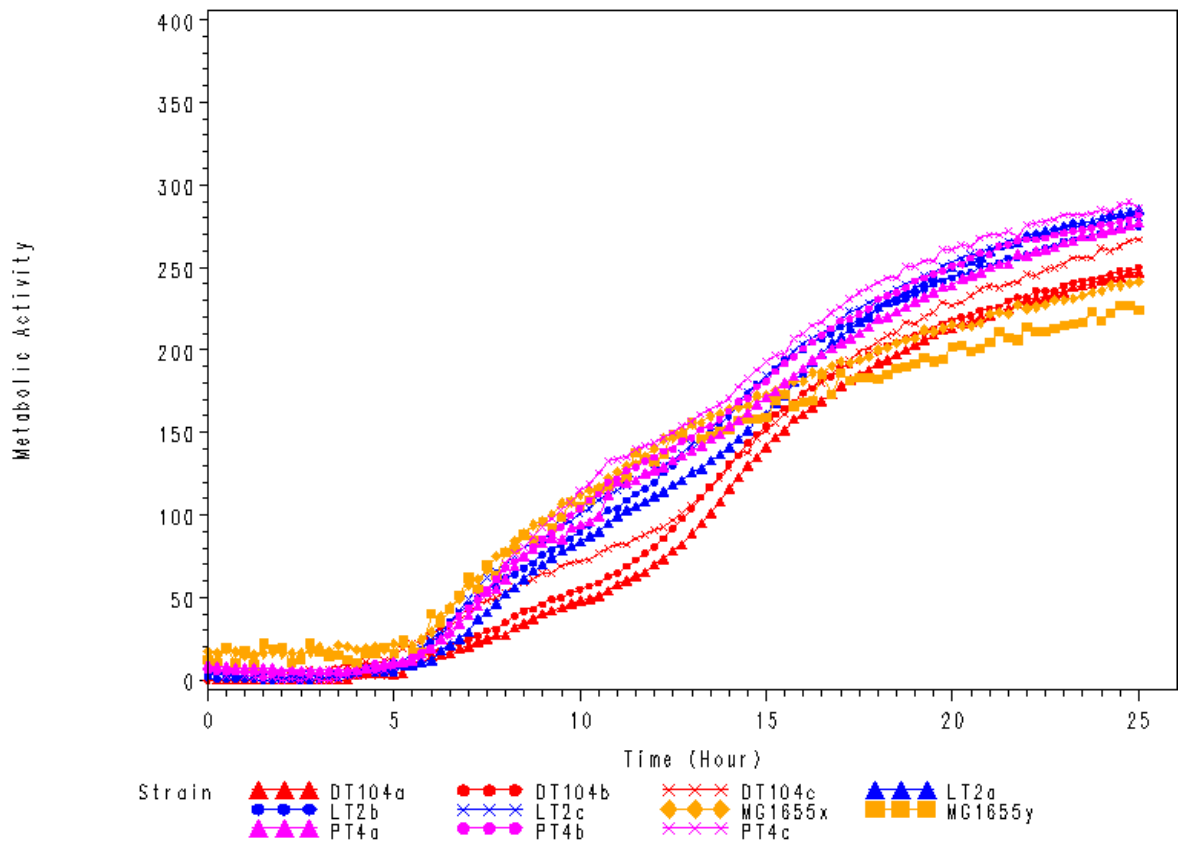
PM02A, E03 (Citraconic Acid)



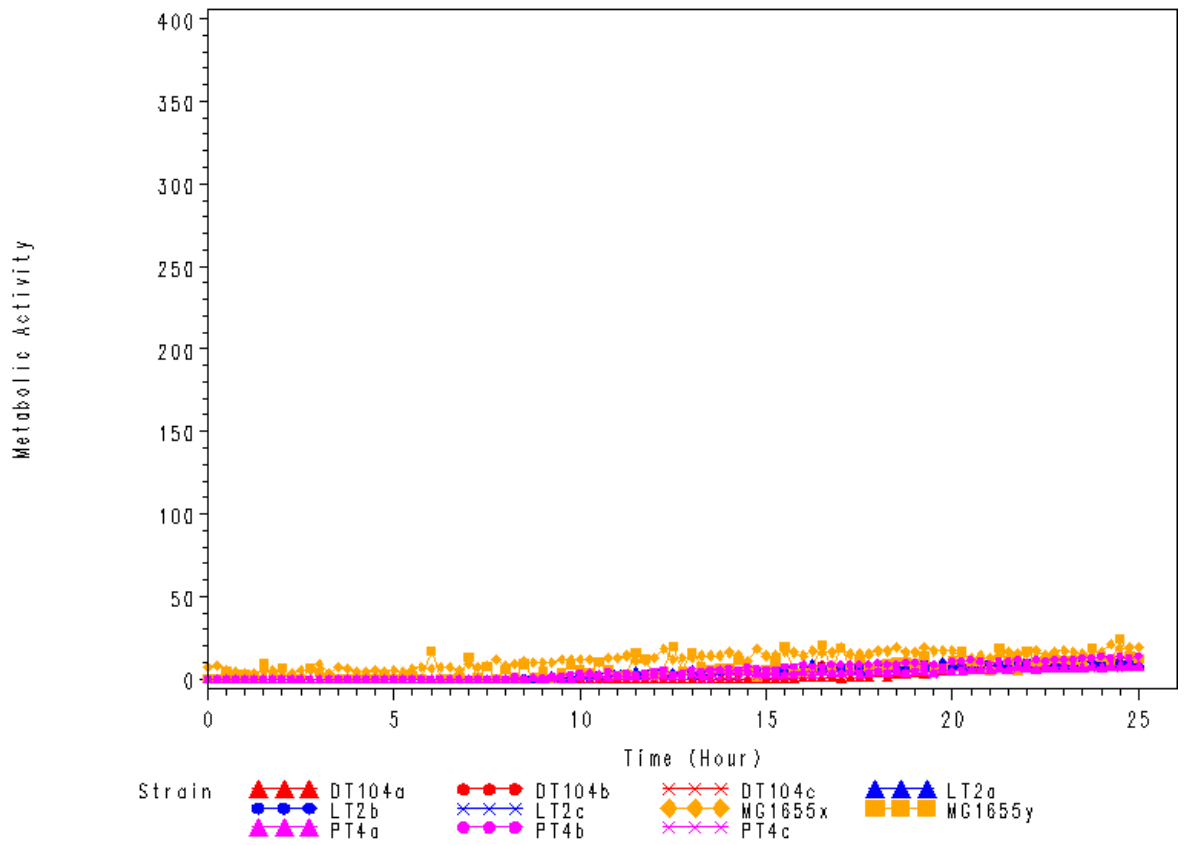
PM02A, E04 (D,L—Citramalic Acid)



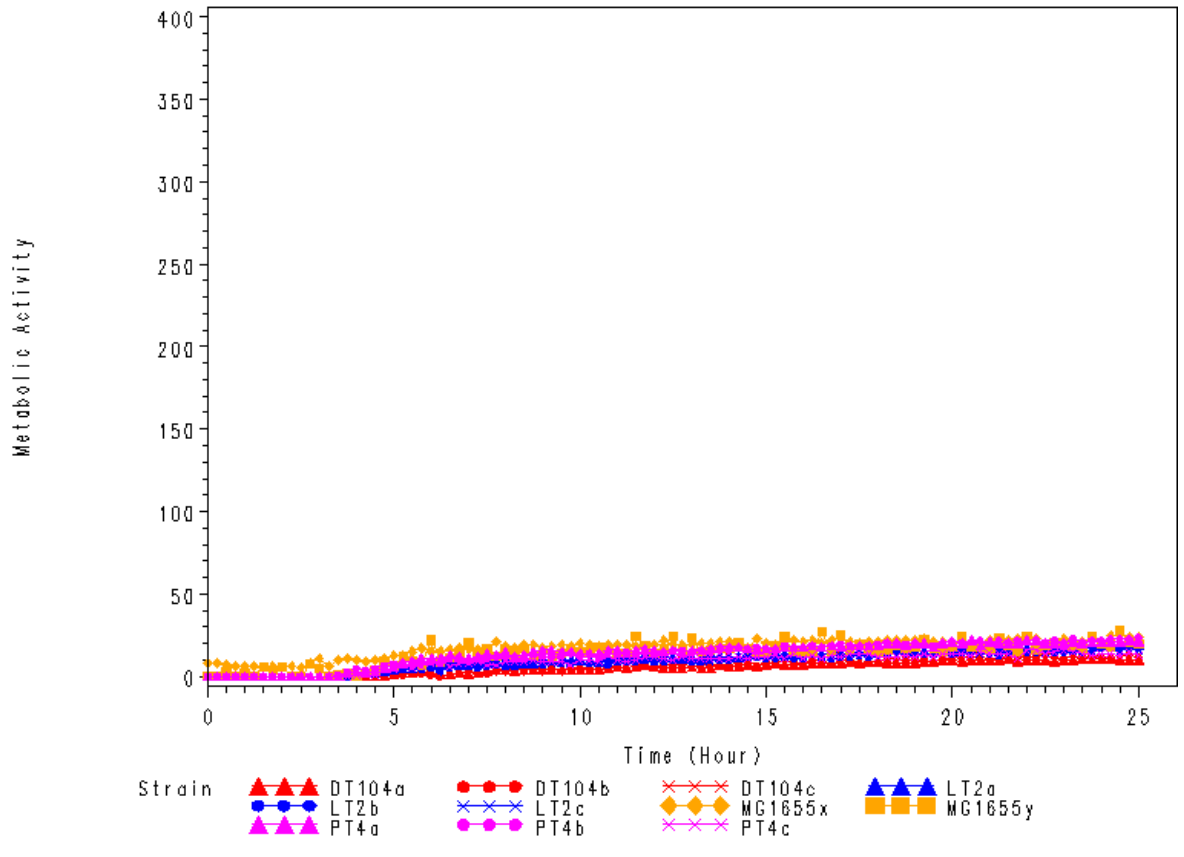
PM02A, E05 (Dihydroxy—Fumaric Acid)



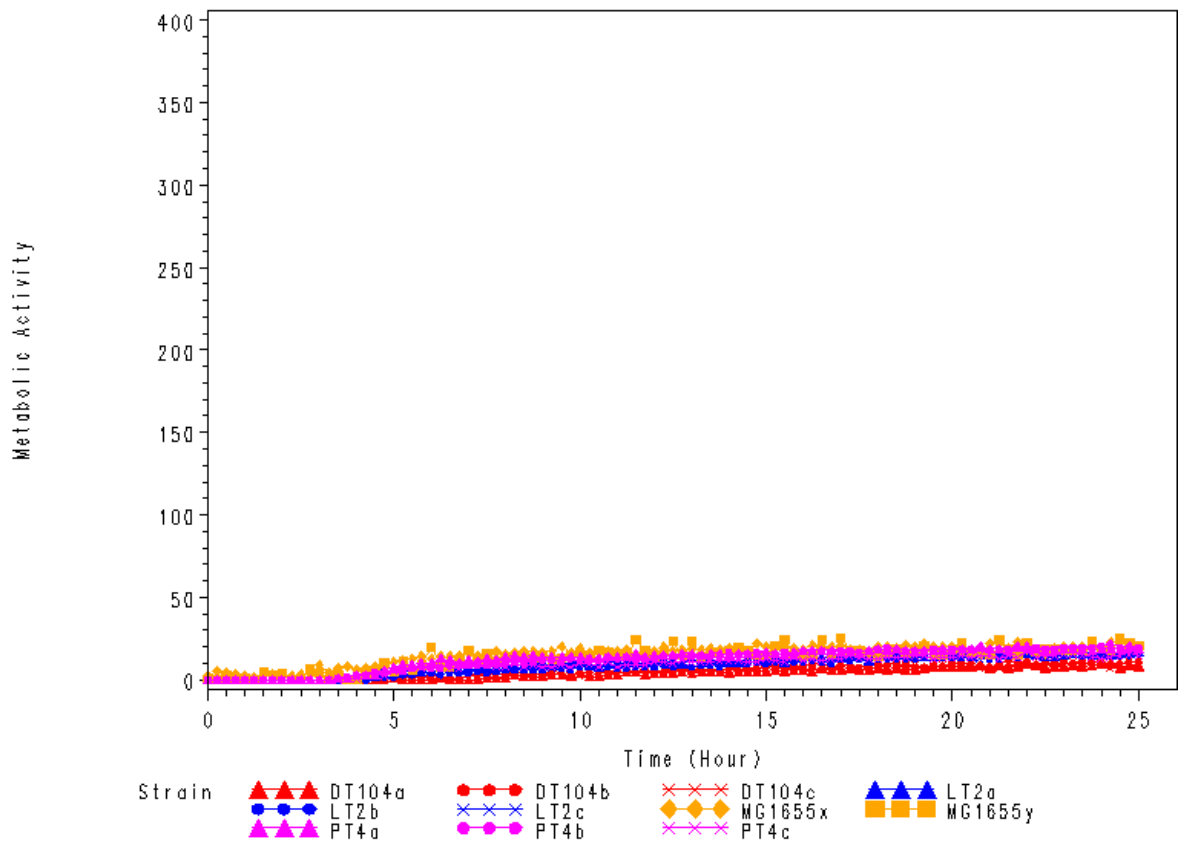
PM02A, E06 (2—Hydroxy—Benzoic Acid)



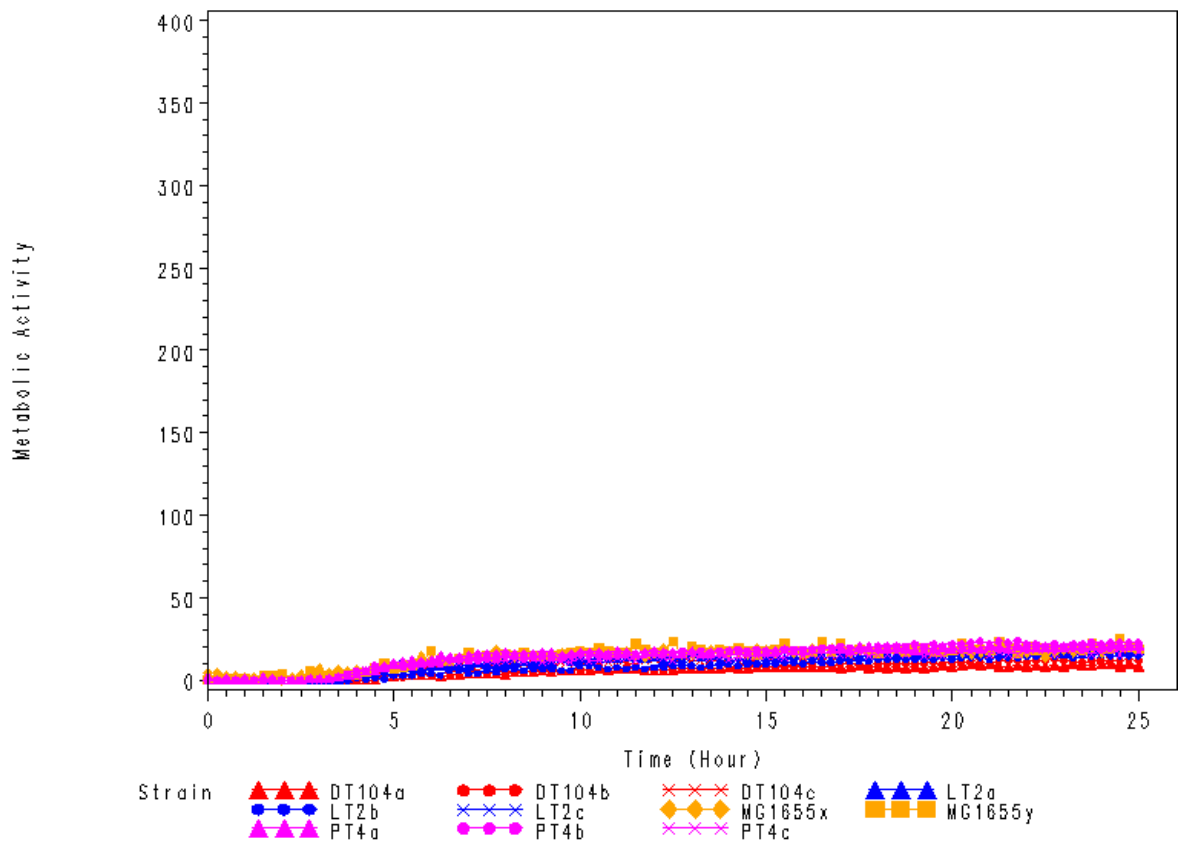
PM02A, E07 (4-Hydroxy-Benzoic Acid)



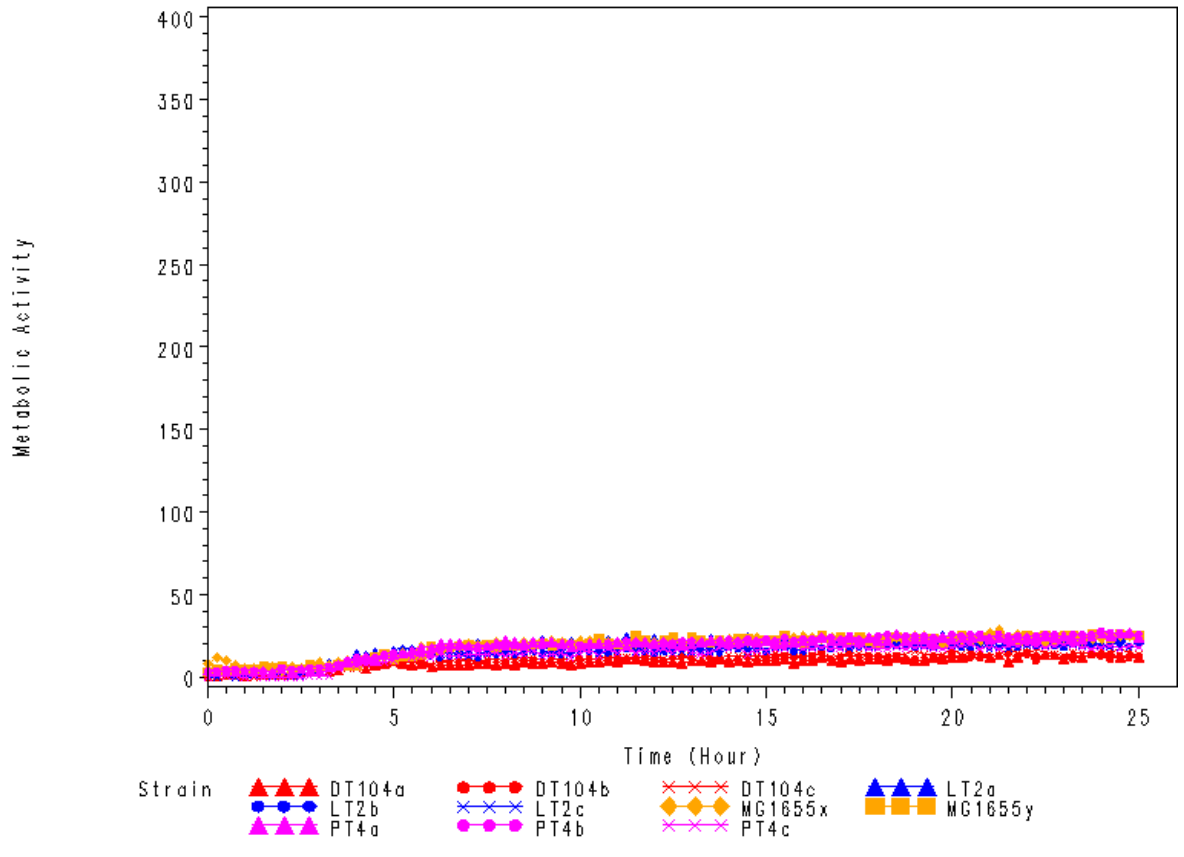
PM02A, E08 (b-Hydroxy-Butyric Acid)



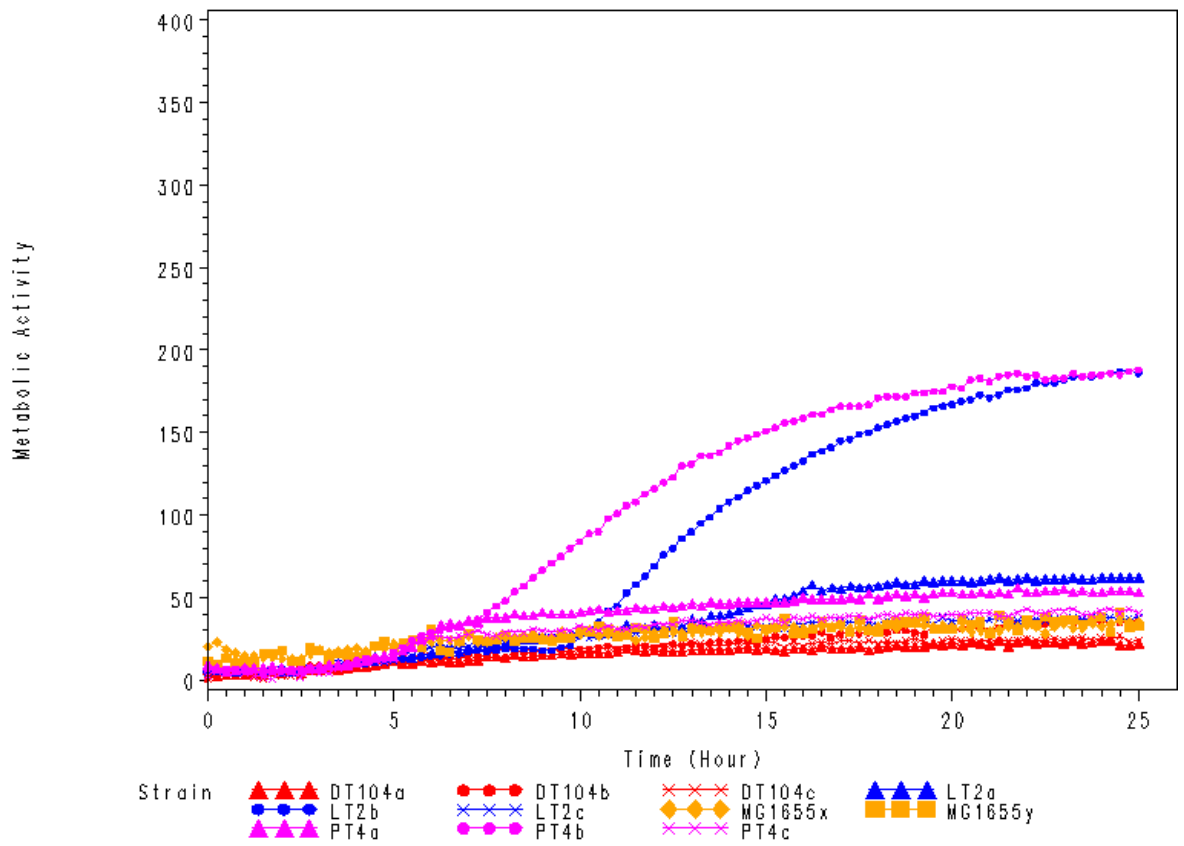
PM02A, E09 (g-Hydroxy-Butyric Acid)



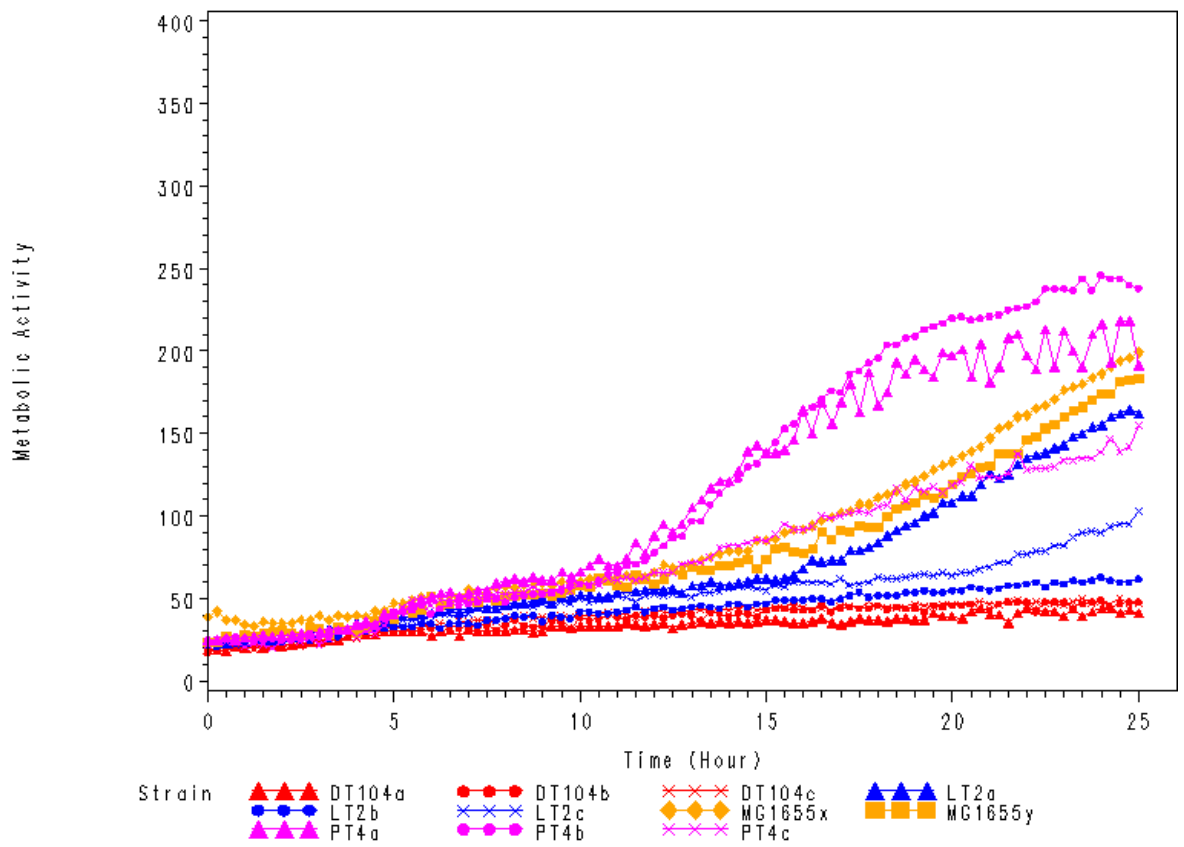
PM02A, E10 (b—Hydroxy—Pyruvic Acid)



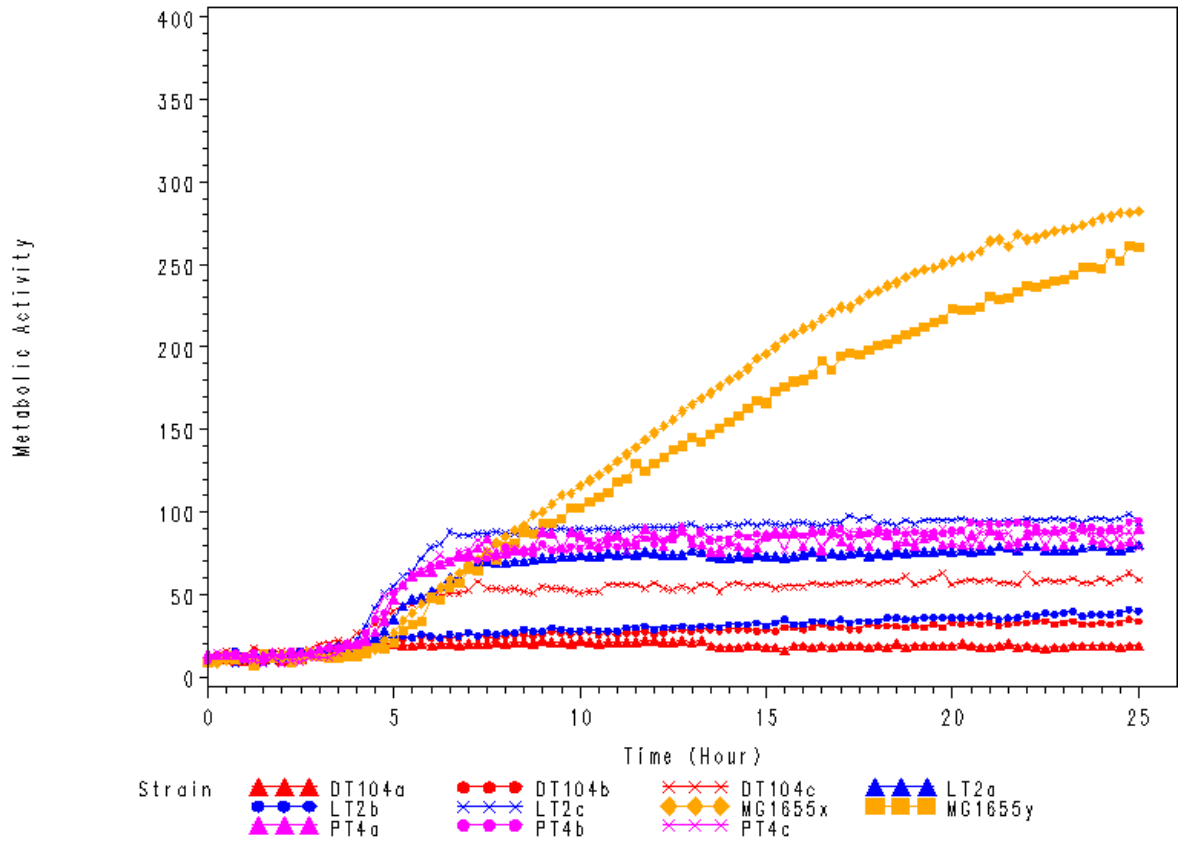
PM02A, E11 (Itaconic Acid)



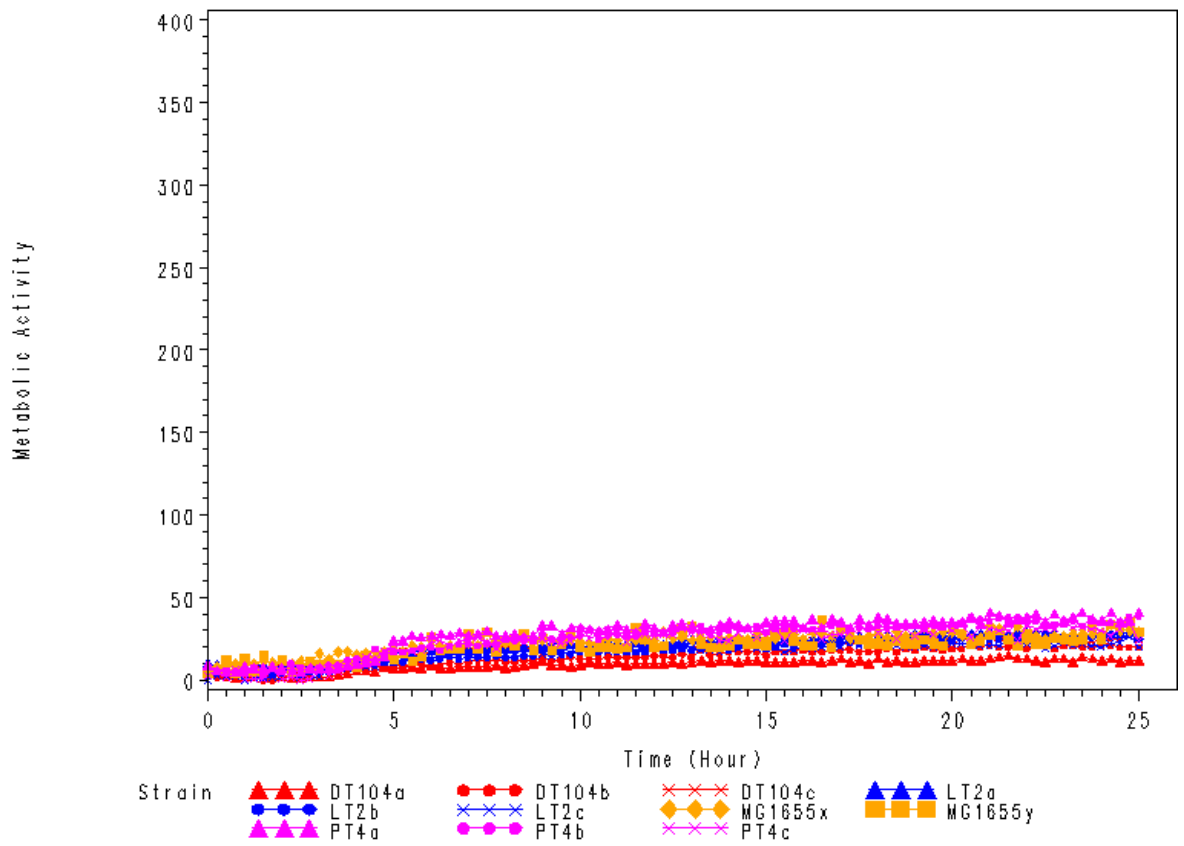
PM02A, E12 (5—Keto—D—Gluconic Acid)



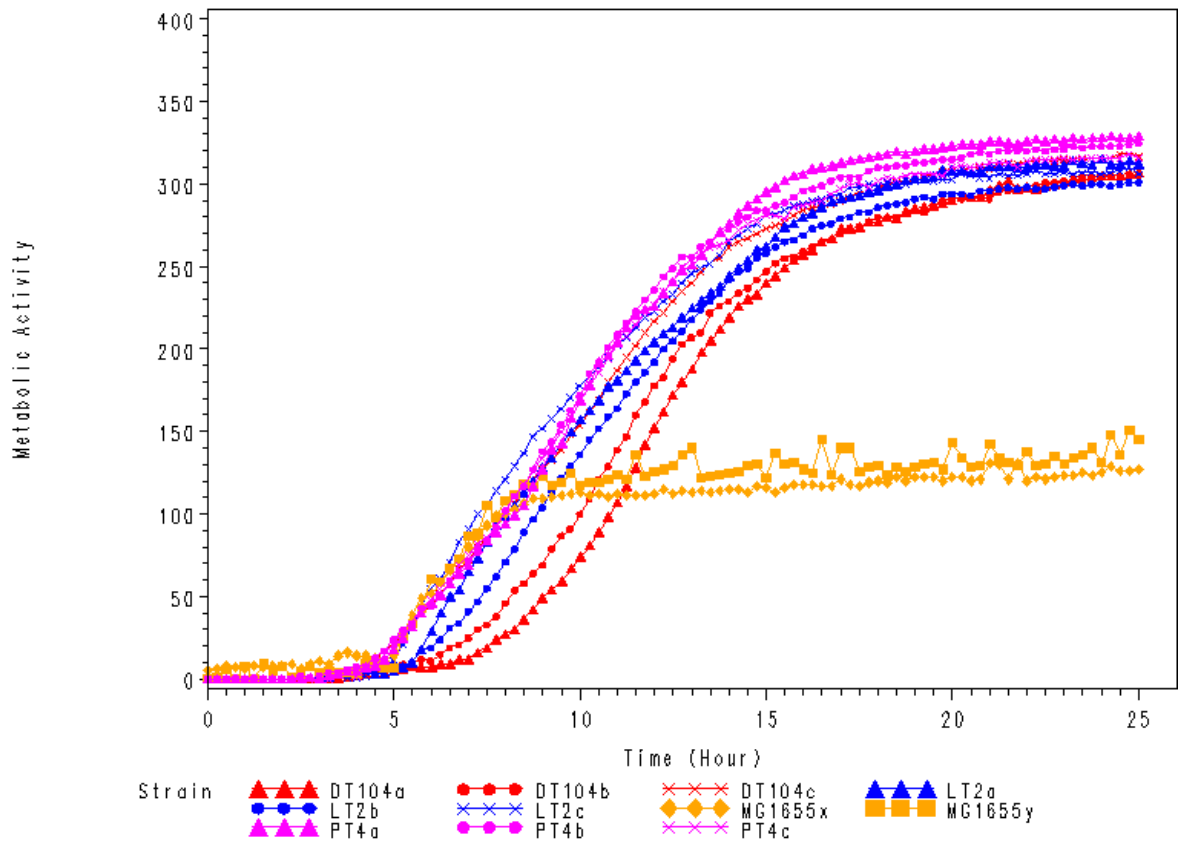
PM02A, F01 (D—Lactic Acid Methyl Ester)



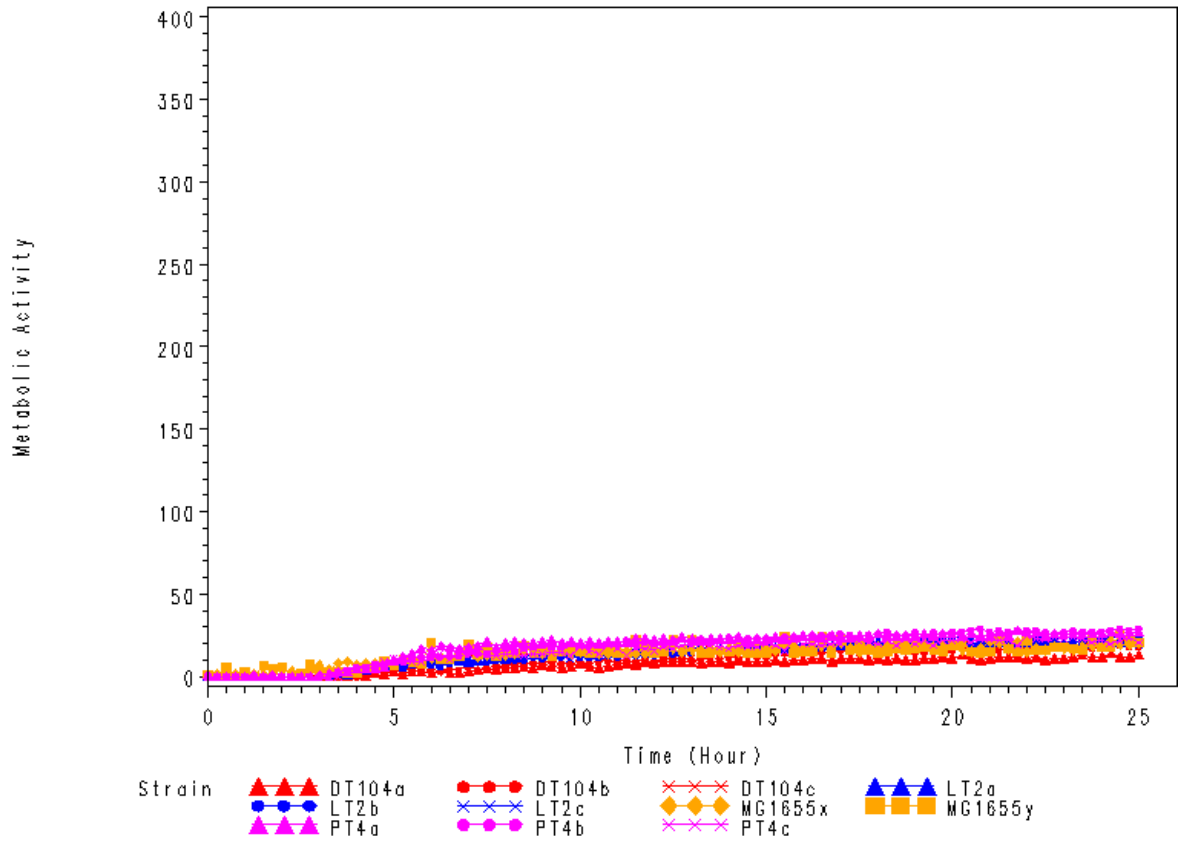
PM02A, F02 (Malonic Acid)



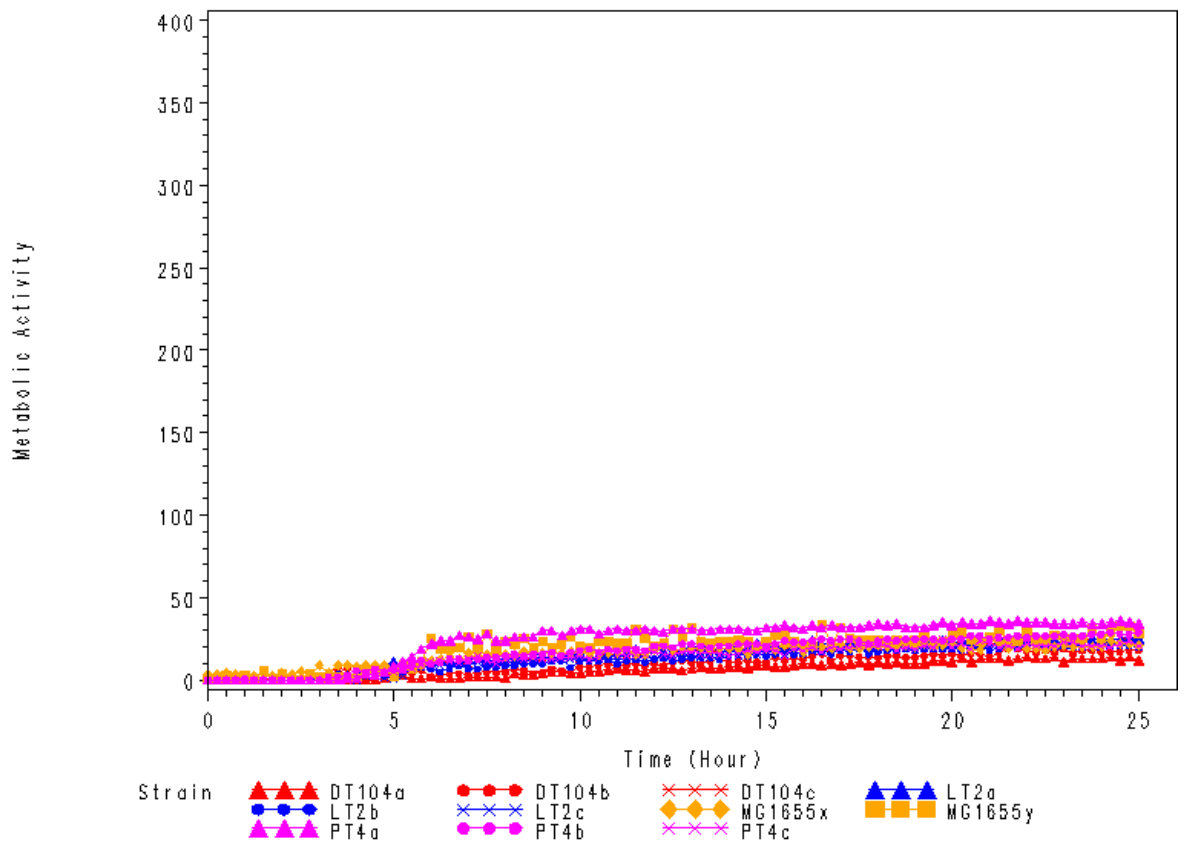
PM02A, F03 (Melibionic Acid)



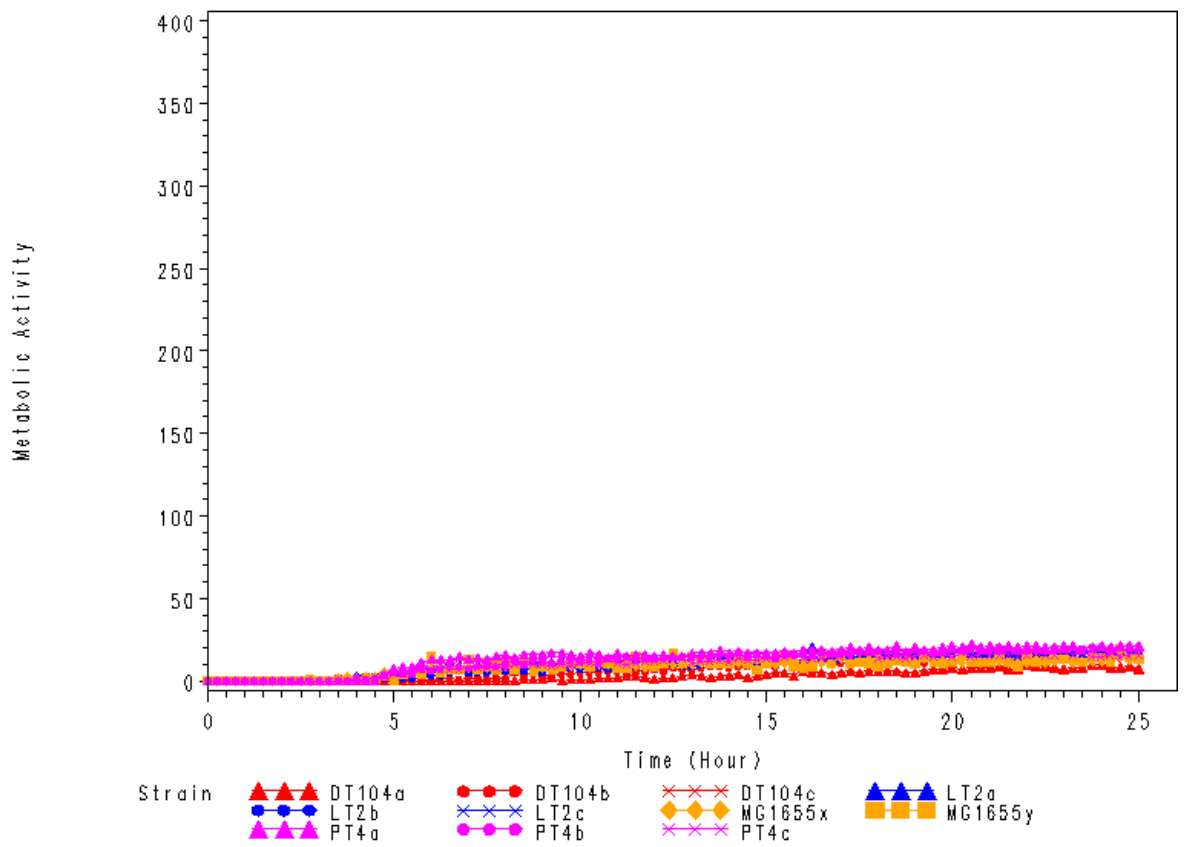
PM02A, F04 (Oxalic Acid)



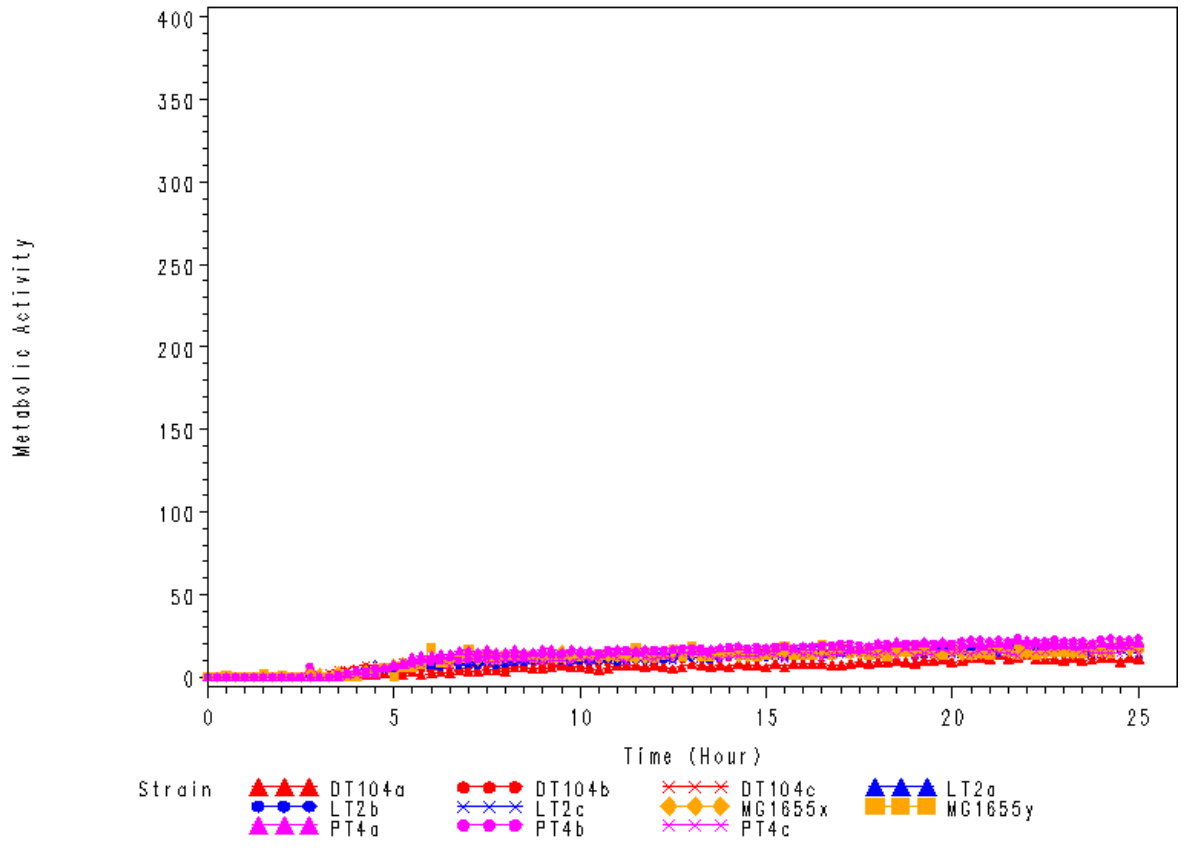
PM02A, F05 (Oxalomalic Acid)



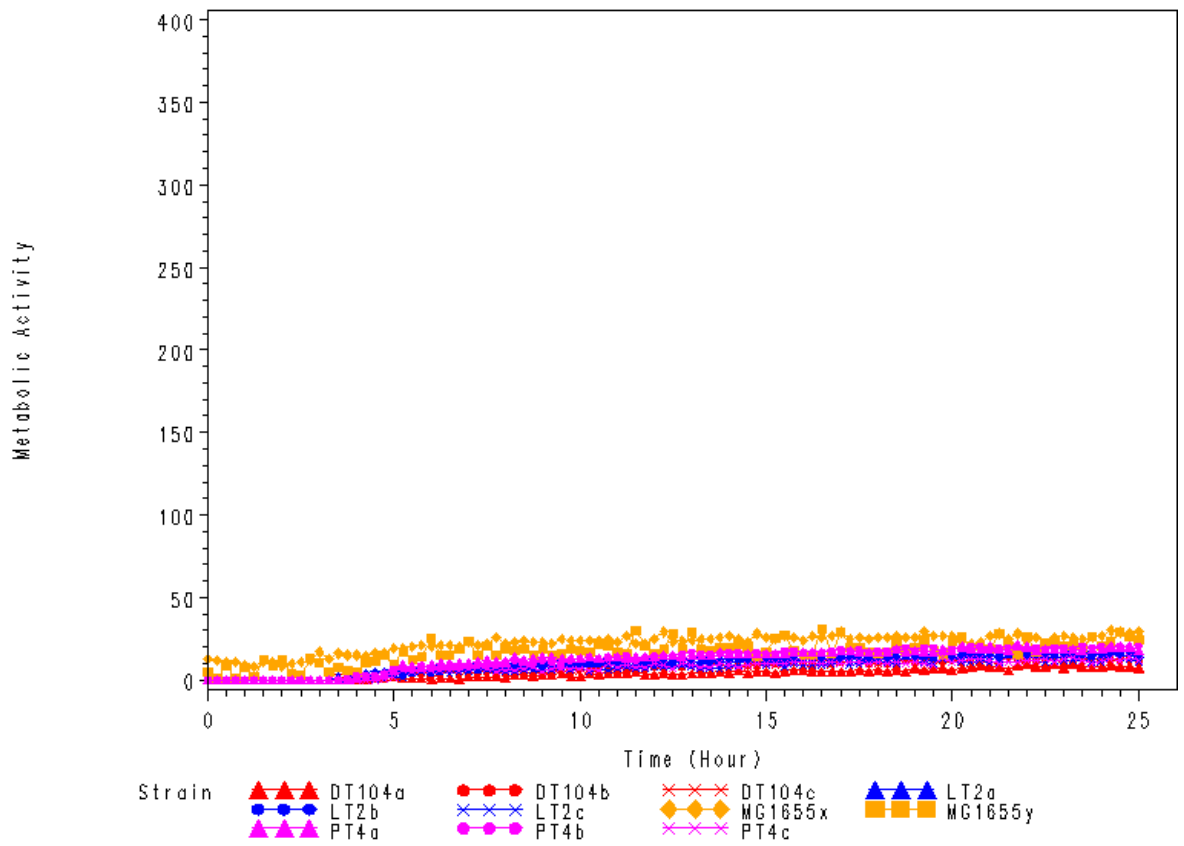
PM02A, F06 (Quinic Acid)



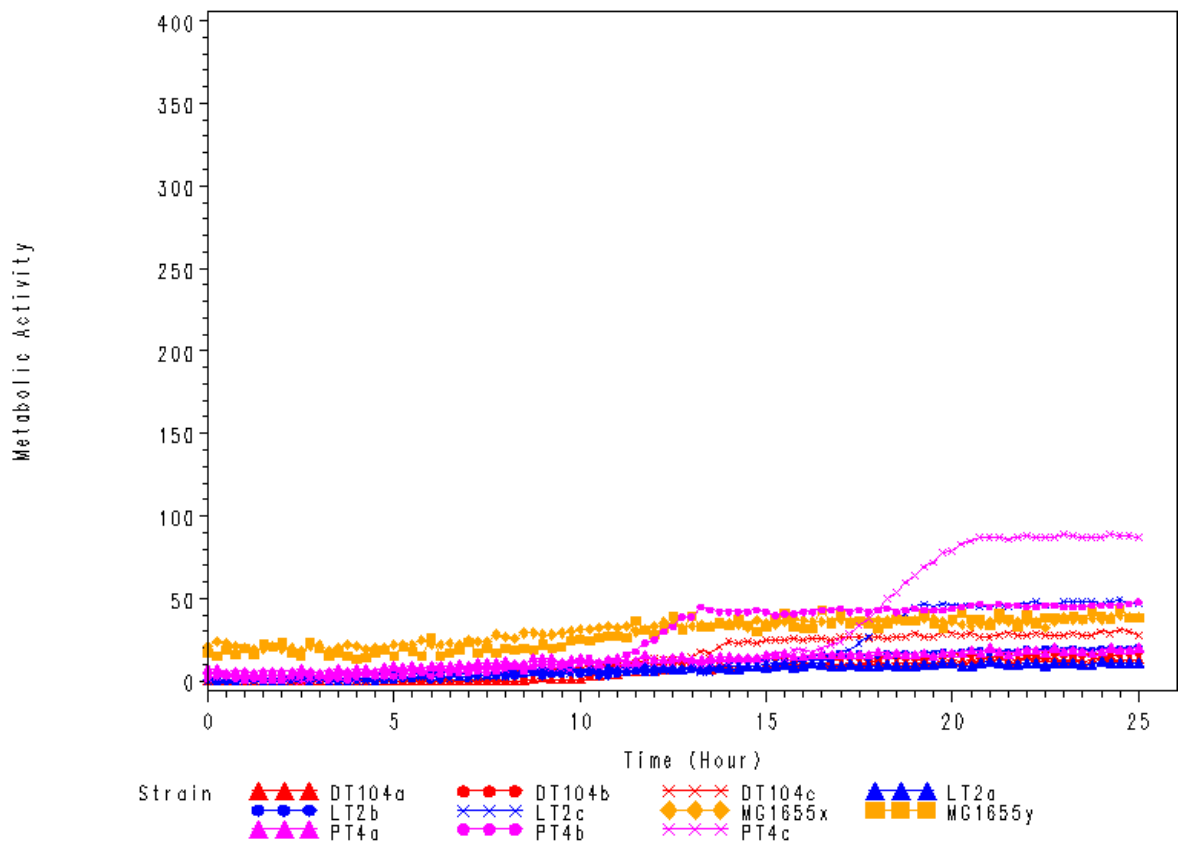
PM02A, F07 (D-Ribono-1,4-Lactone)



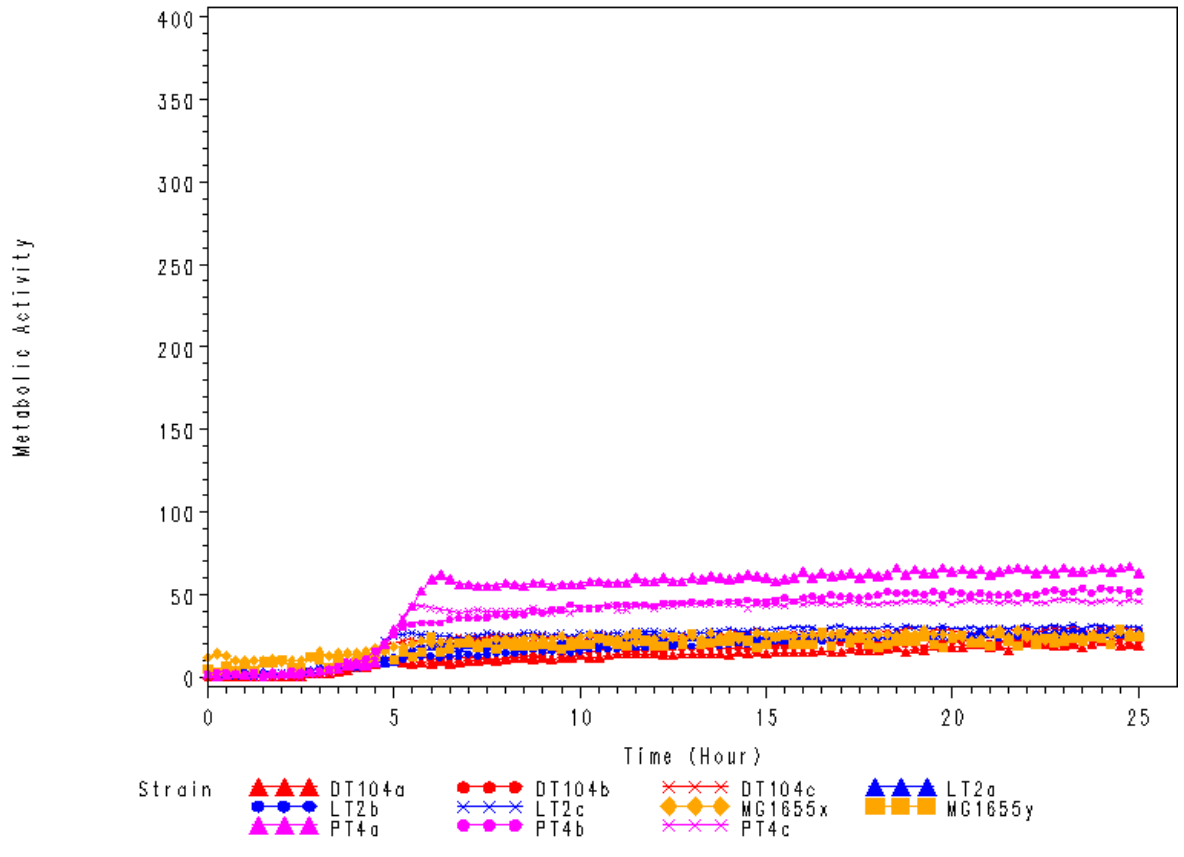
PM02A, F08 (Sebacic Acid)



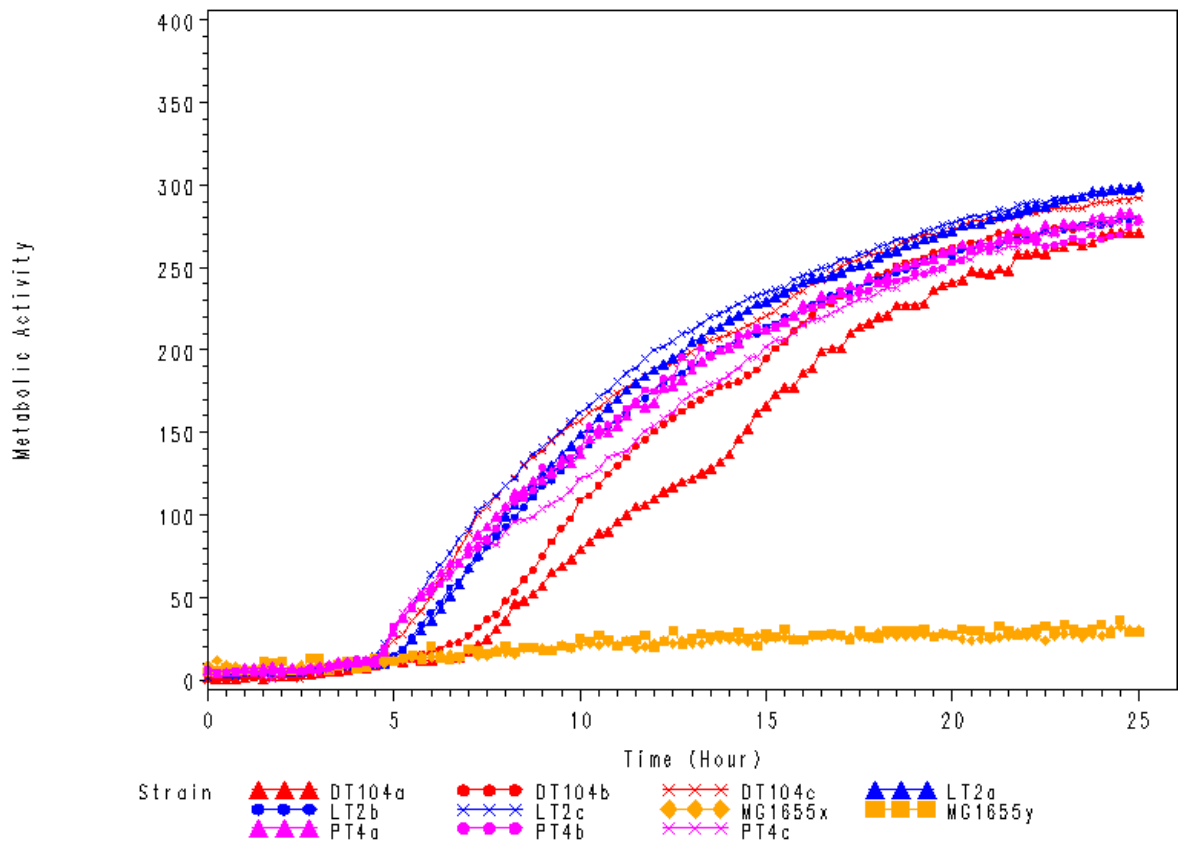
PM02A, F09 (Sorbic Acid)



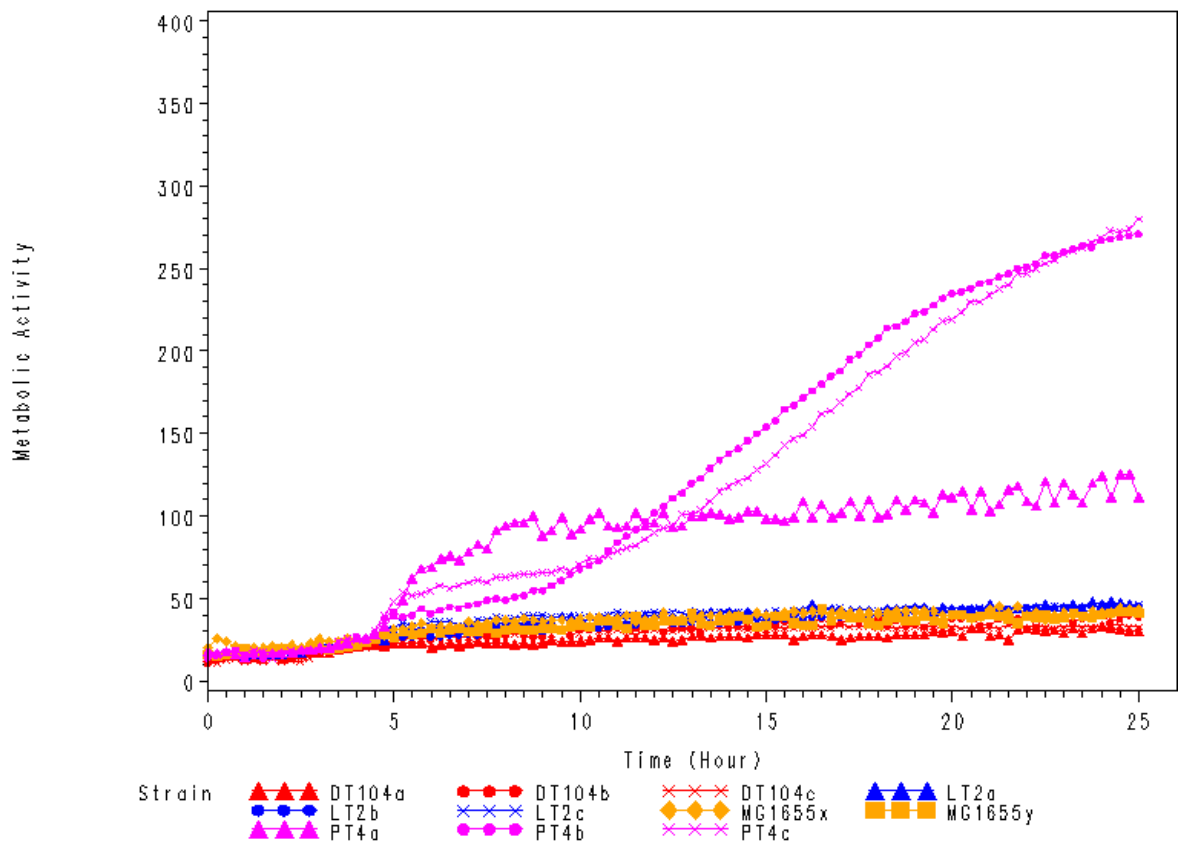
PM02A, F10 (Succinamic Acid)



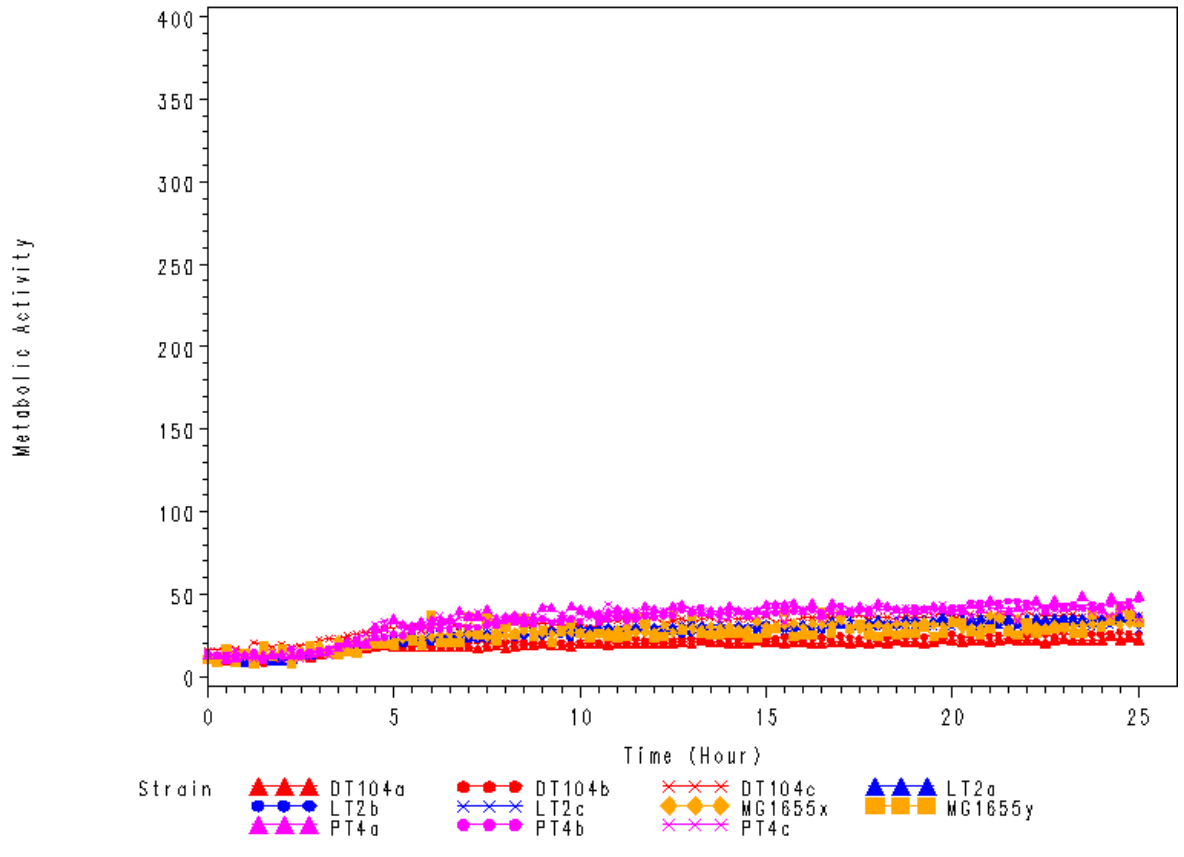
PM02A, F11 (D—Tartaric Acid)



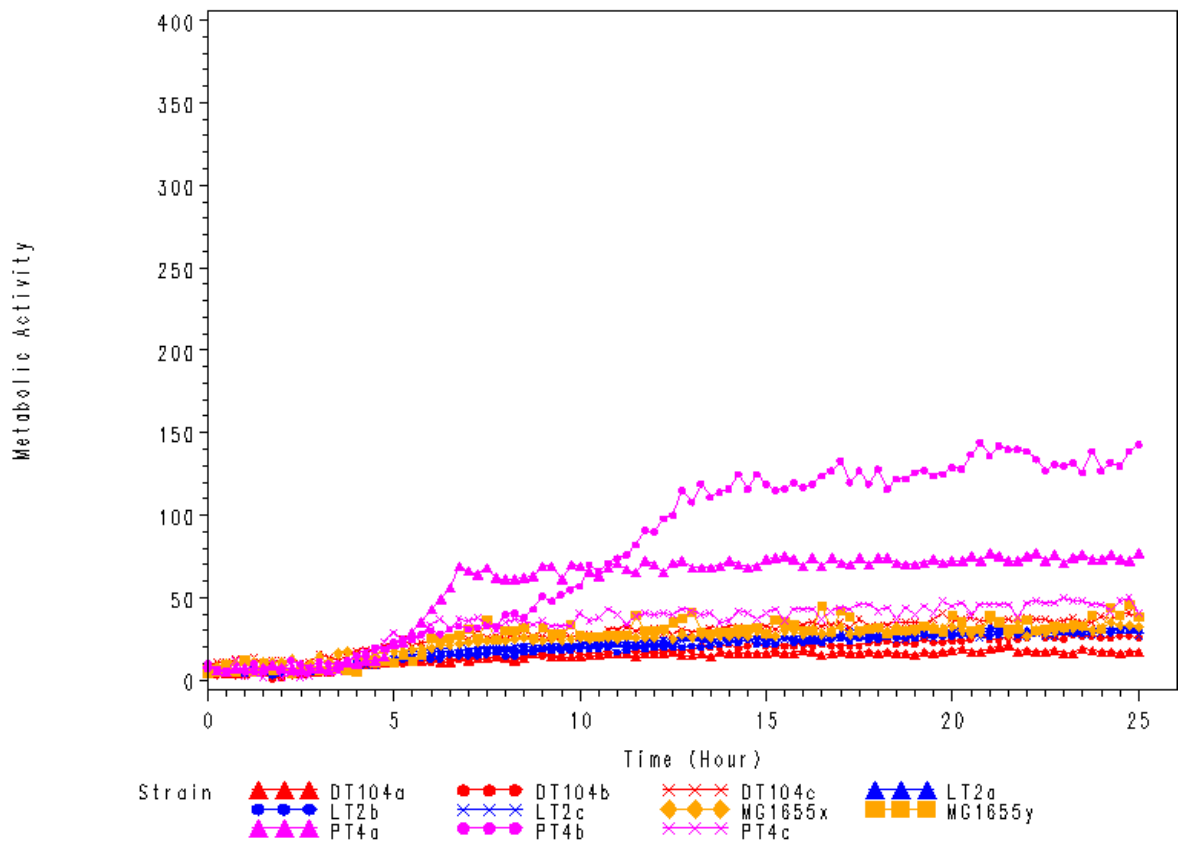
PM02A, F12 (L—Tartaric Acid)



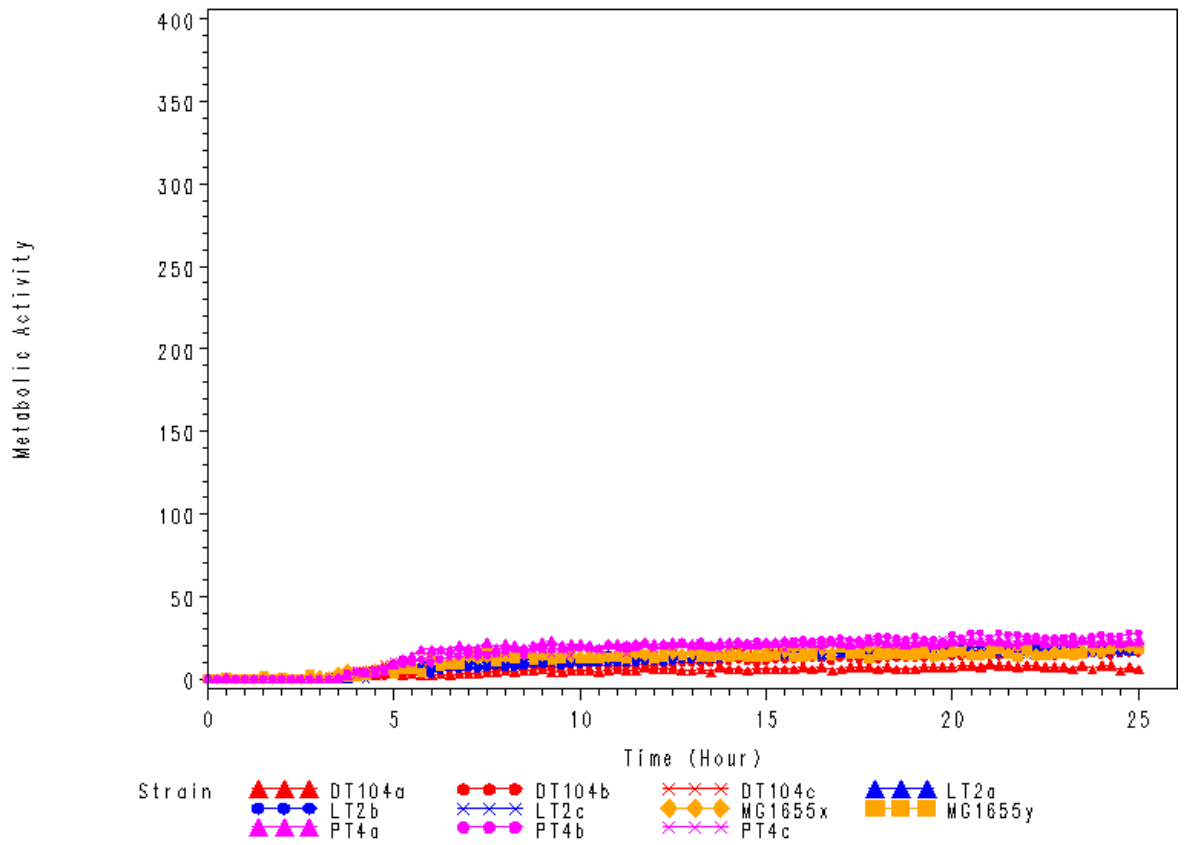
PM02A, G01 (Acetamide)



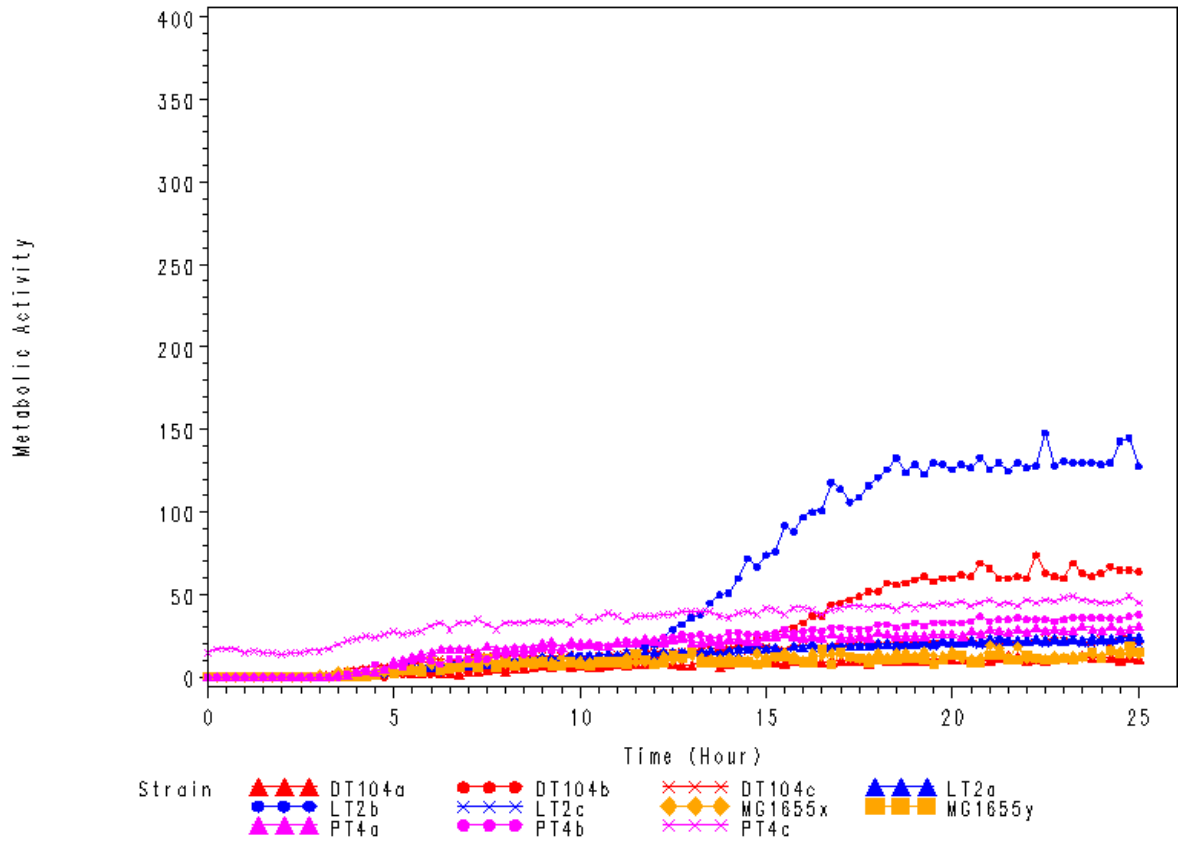
PM02A, G02 (L-Alaninamide)



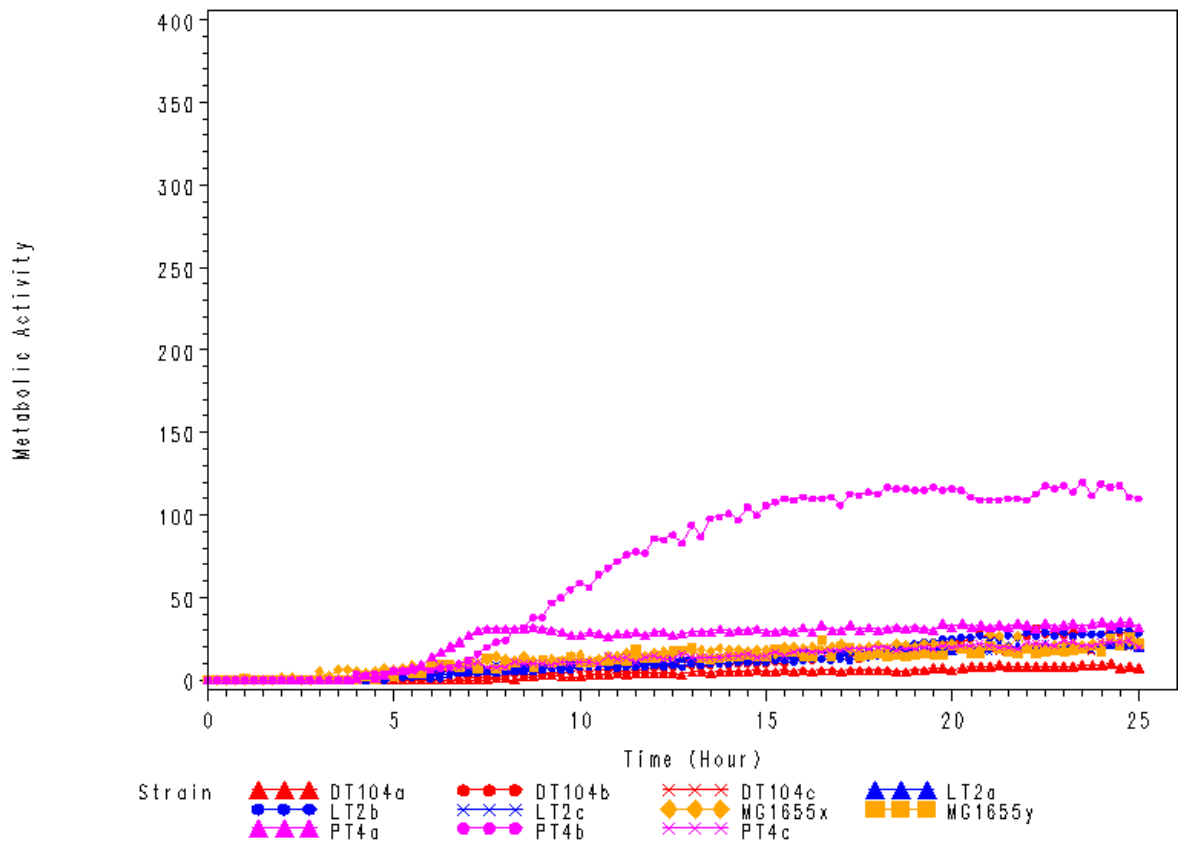
PM02A, G03 (N-Acetyl-L-Glutamic Acid)



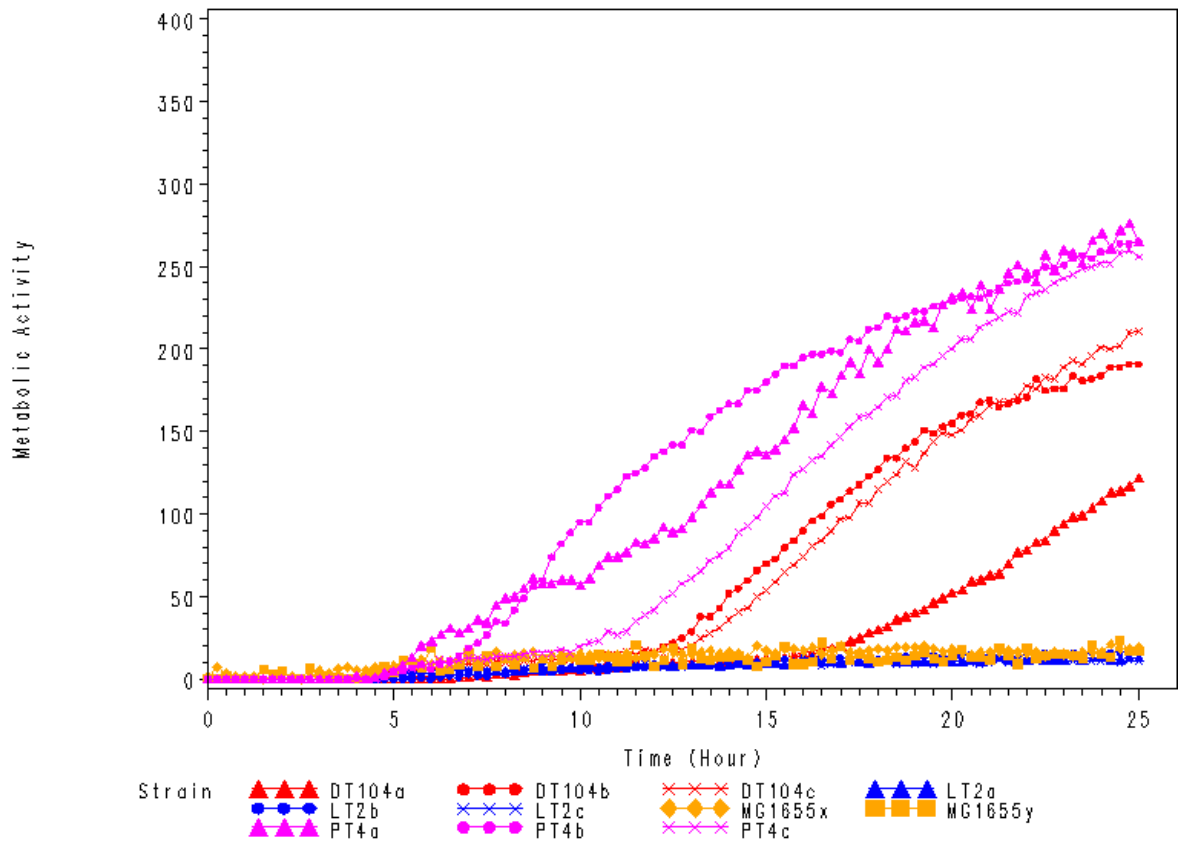
PM02A, G04 (L—Arginine)



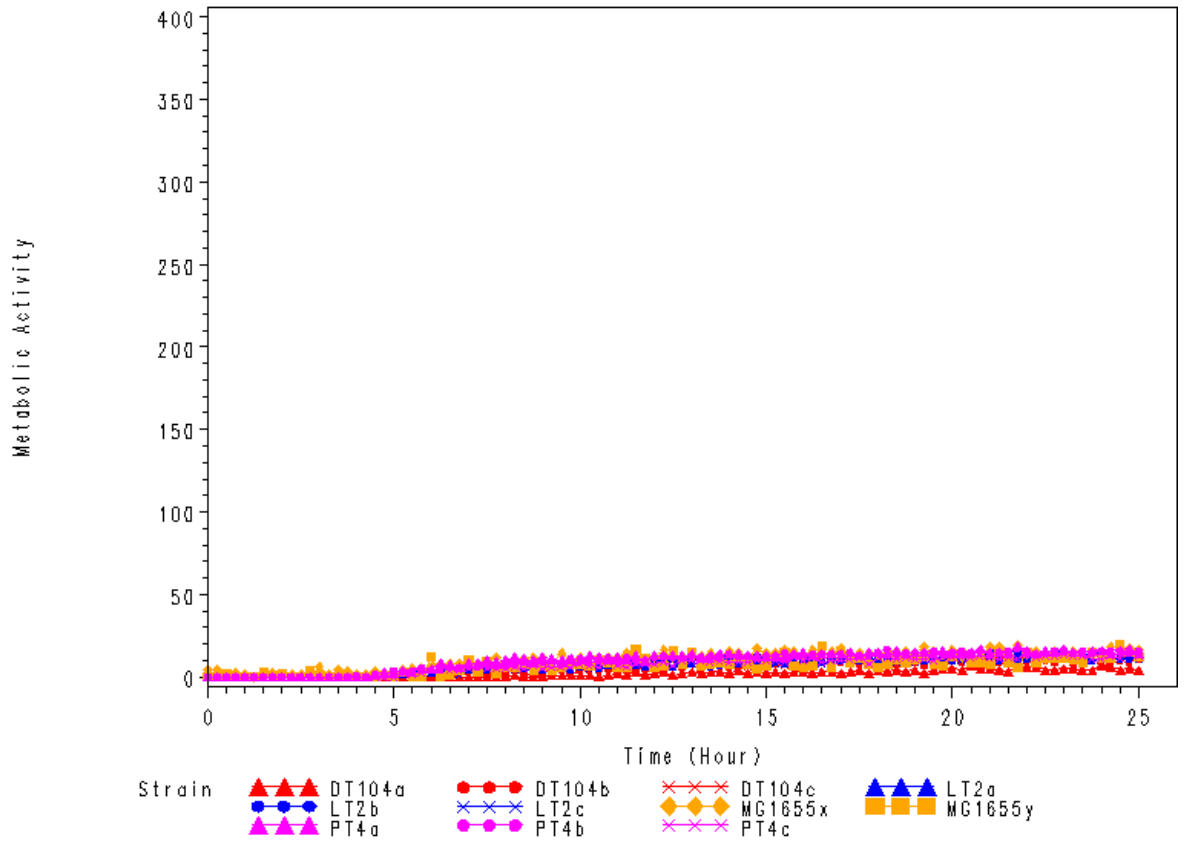
PM02A, G05 (Glycine)



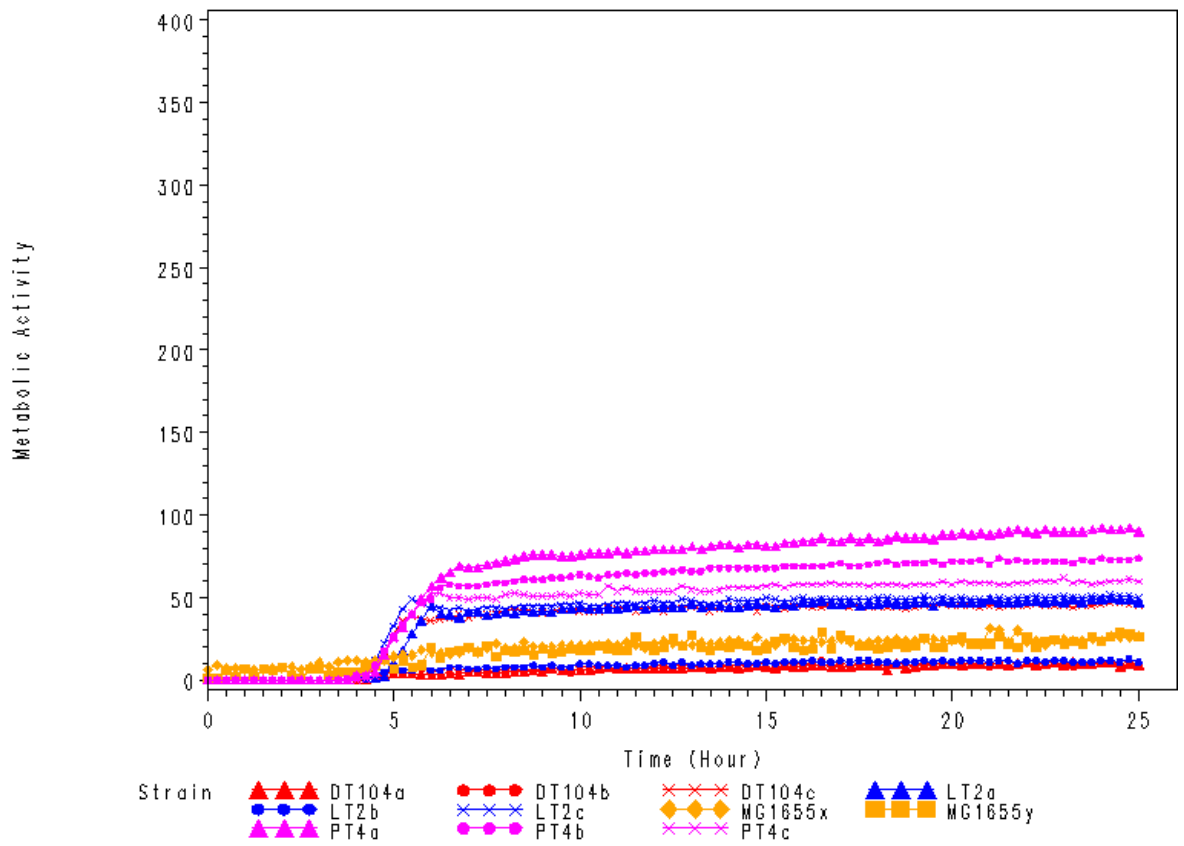
PM02A, G06 (L—Histidine)



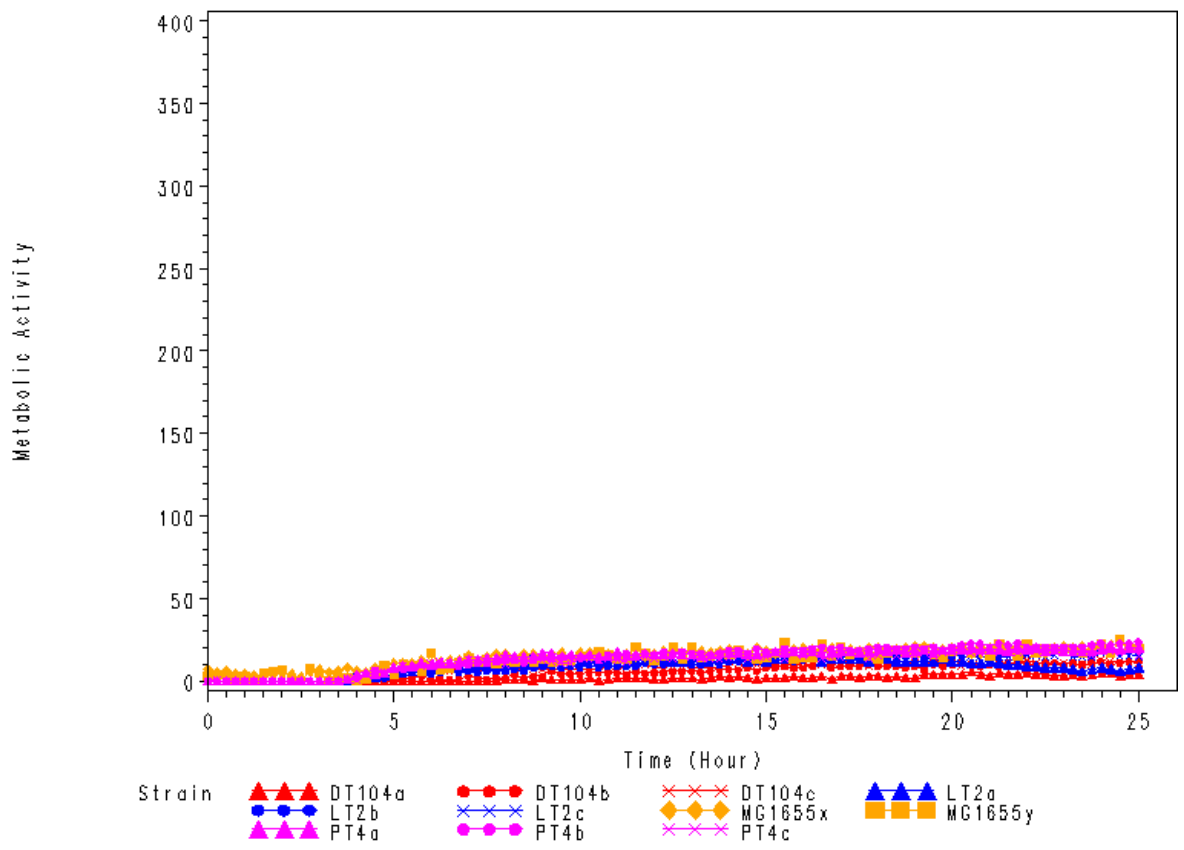
PM02A, G07 (L—Homoserine)



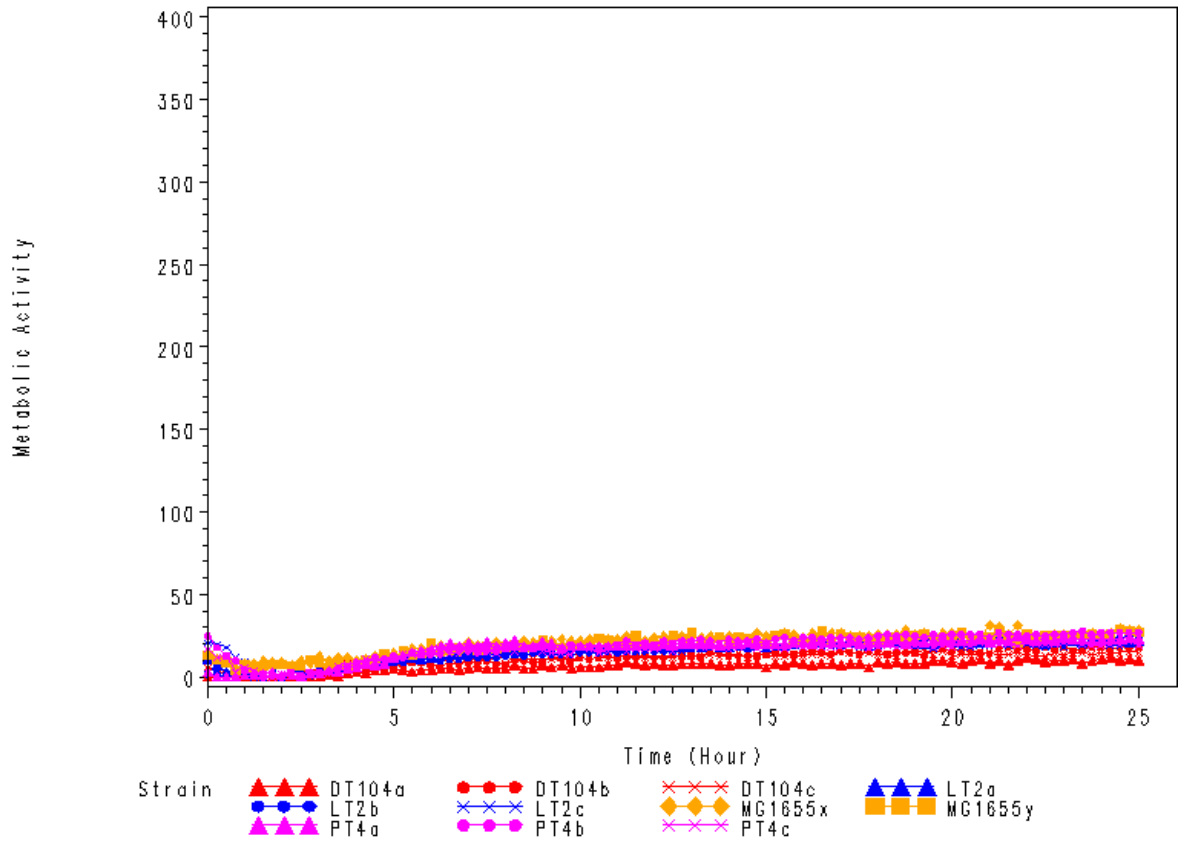
PM02A, G08 (4—Hydroxy—L—Proline (trans))



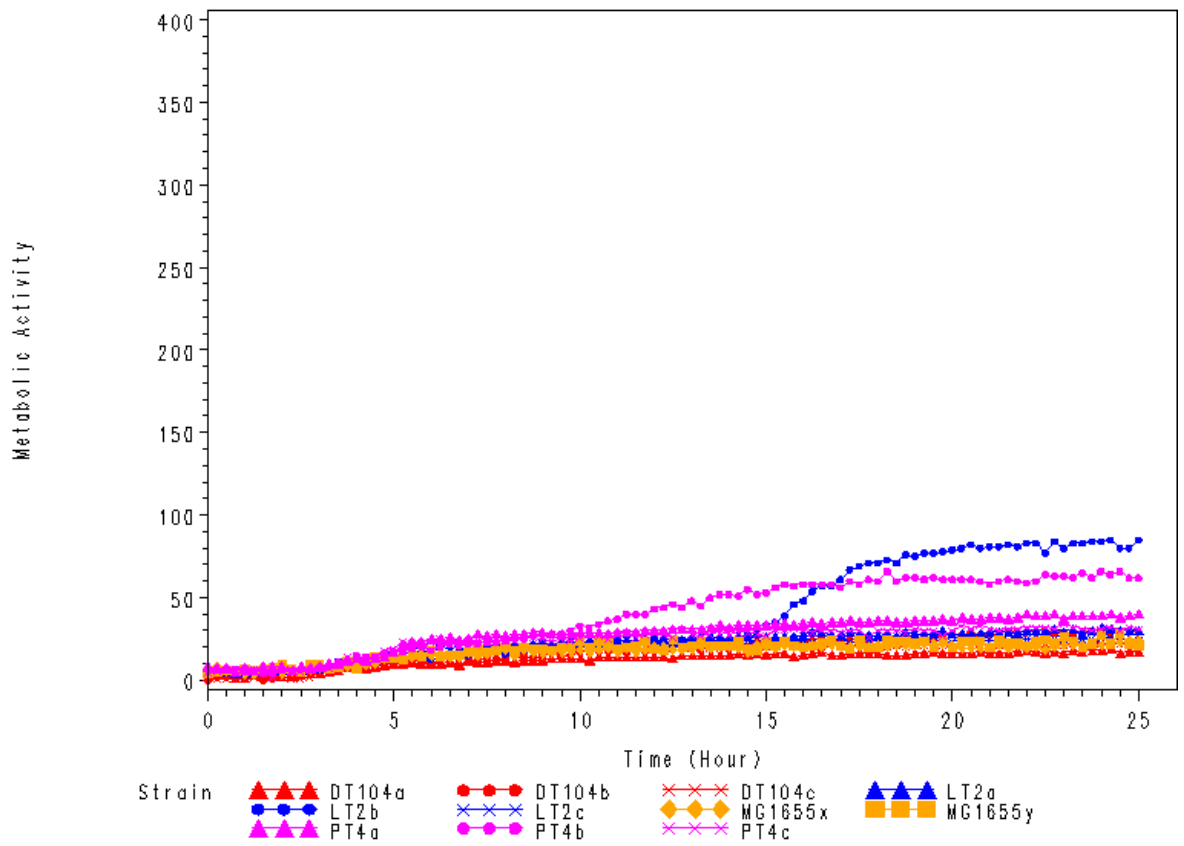
PM02A, G09 (L—Isoleucine)



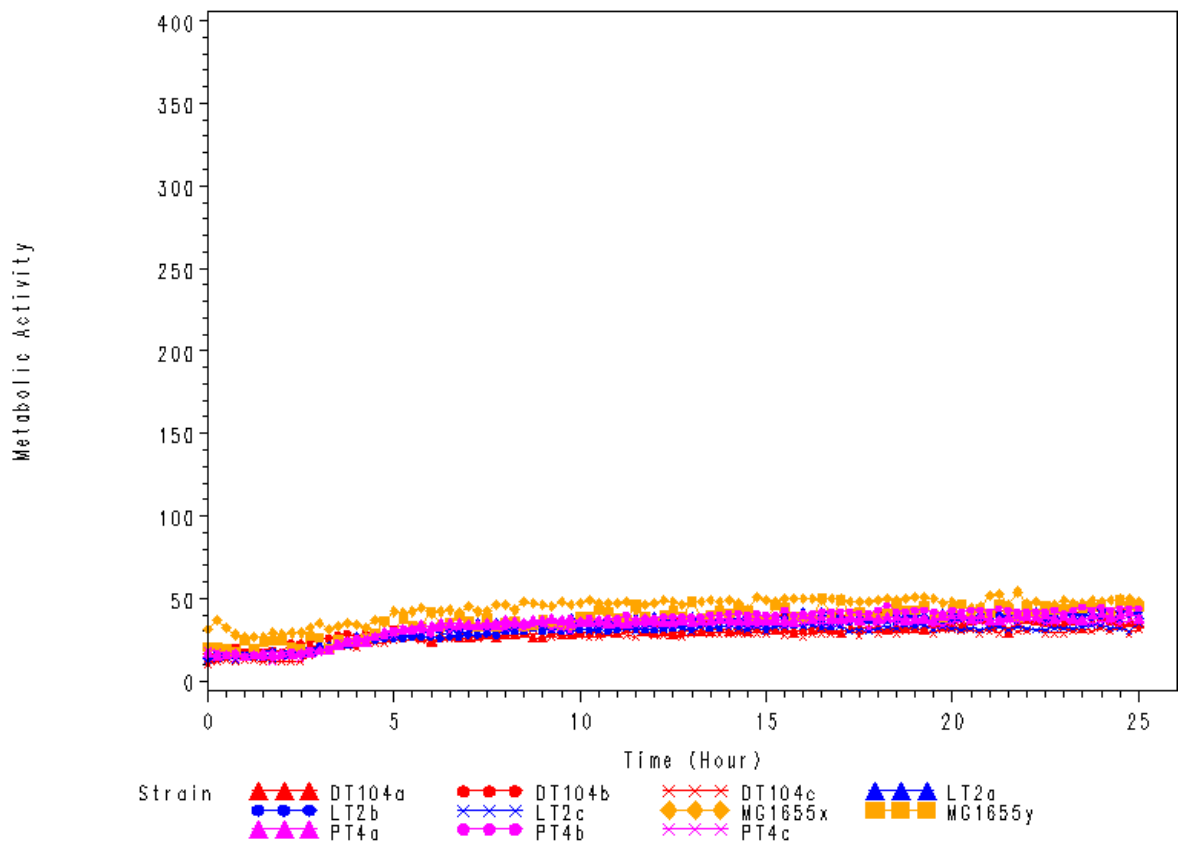
PM02A, G10 (L—Leucine)



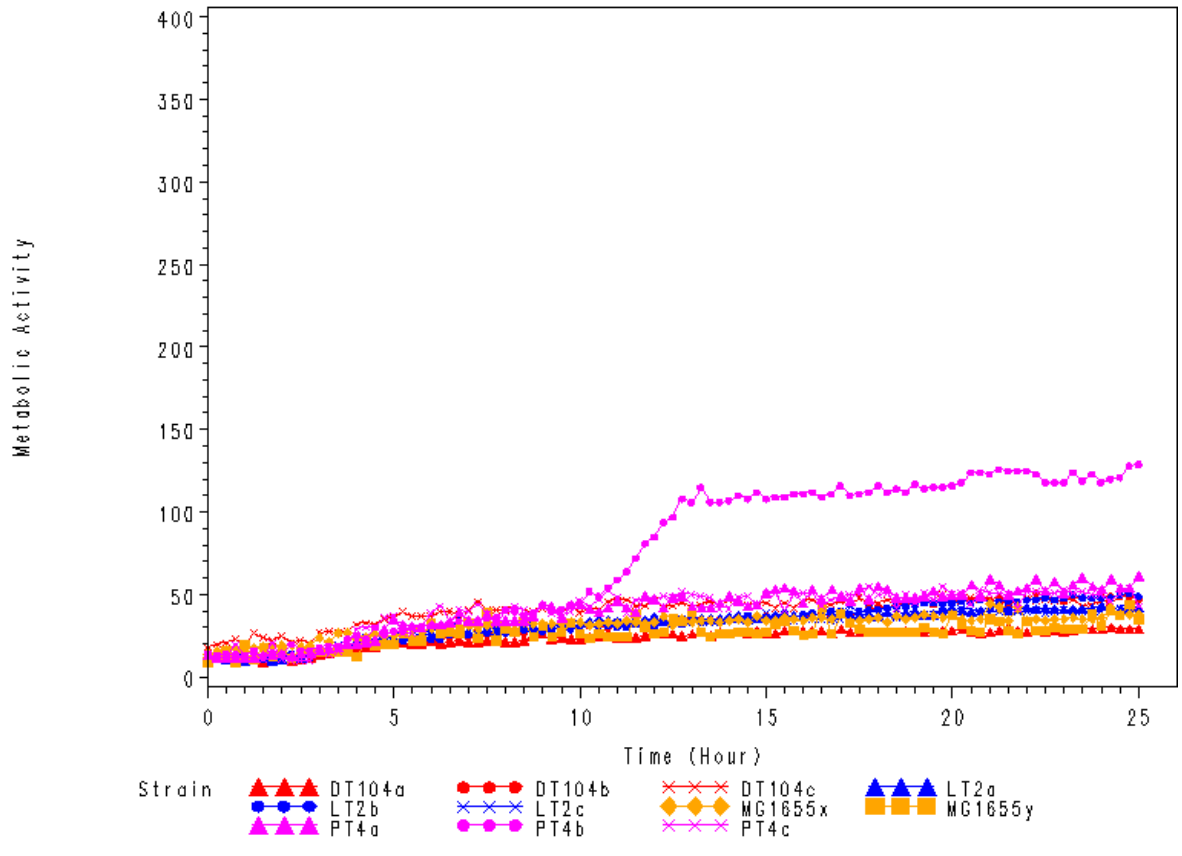
PM02A, G11 (L—Lysine)



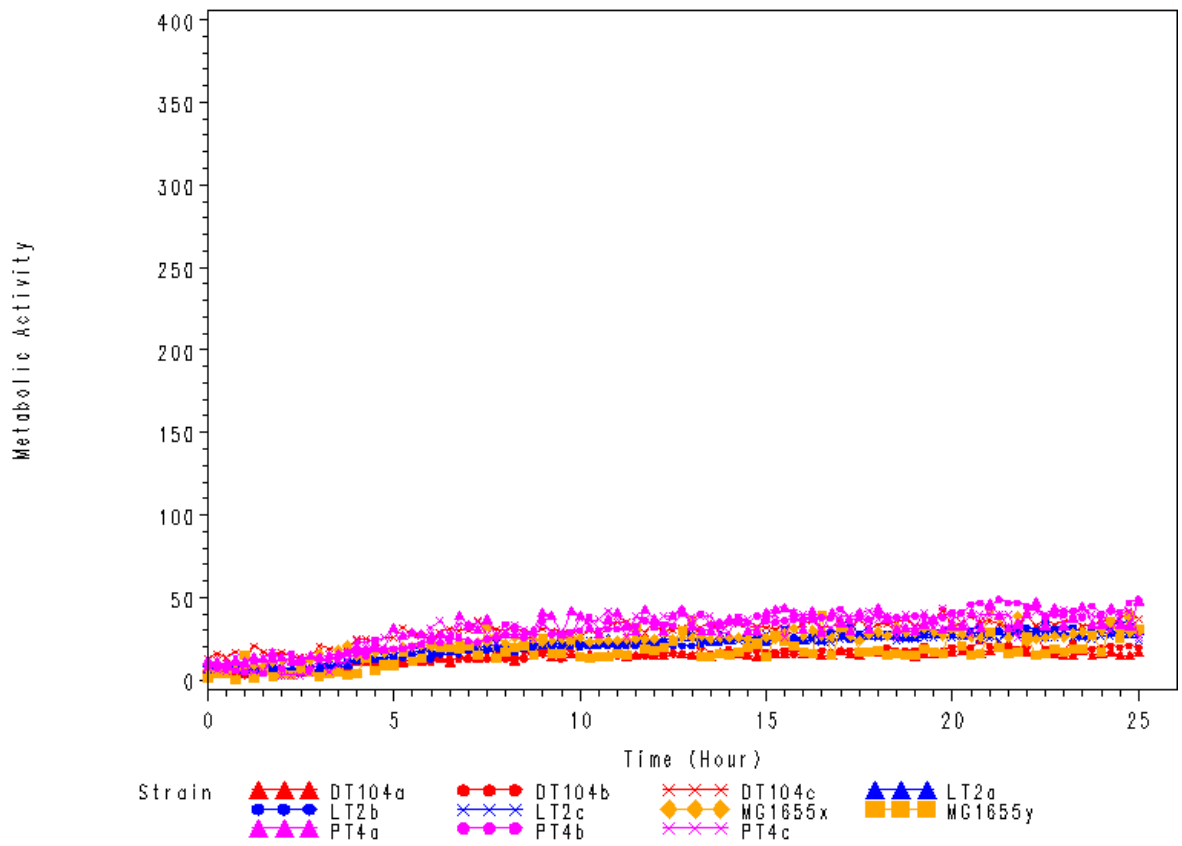
PM02A, G12 (L—Methionine)



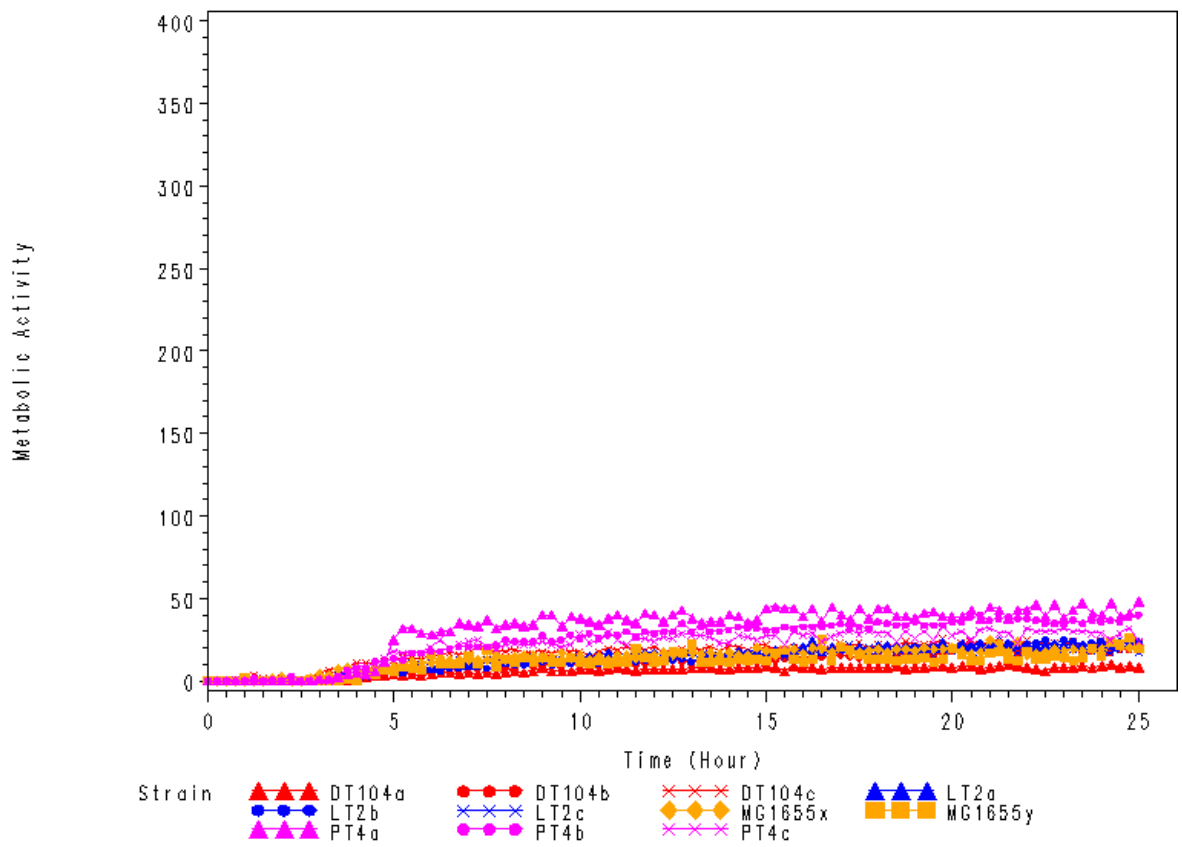
PM02A, H01 (L-Ornithine)



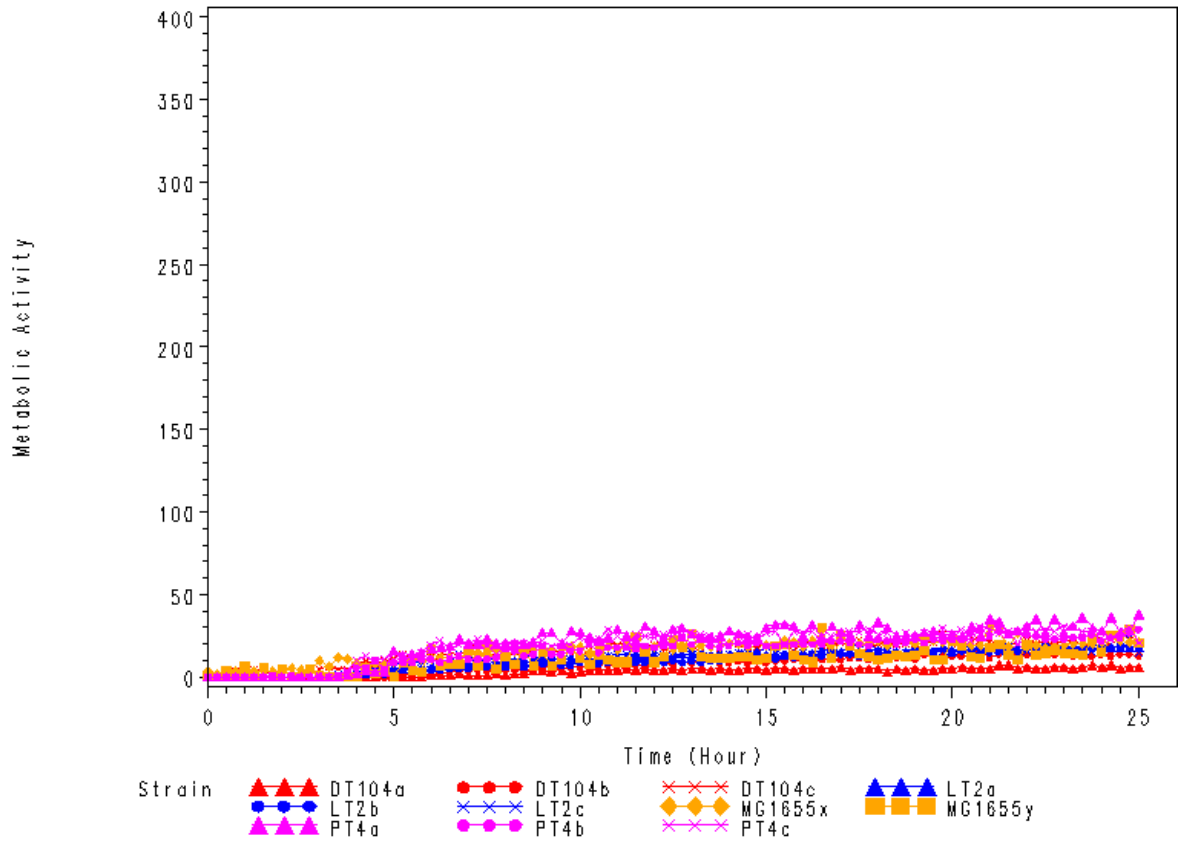
PM02A, H02 (L-Phenylalanine)



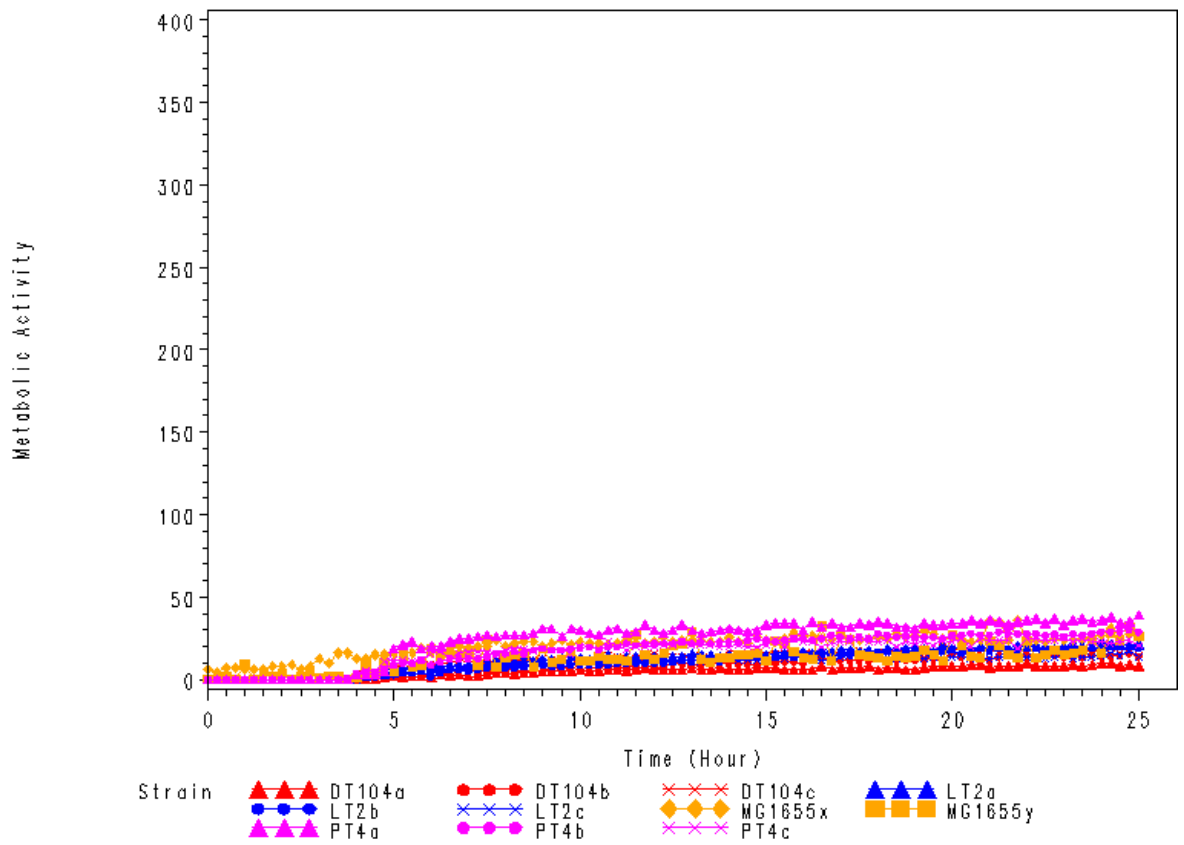
PM02A, H03 (L-Pyroglutamic Acid)



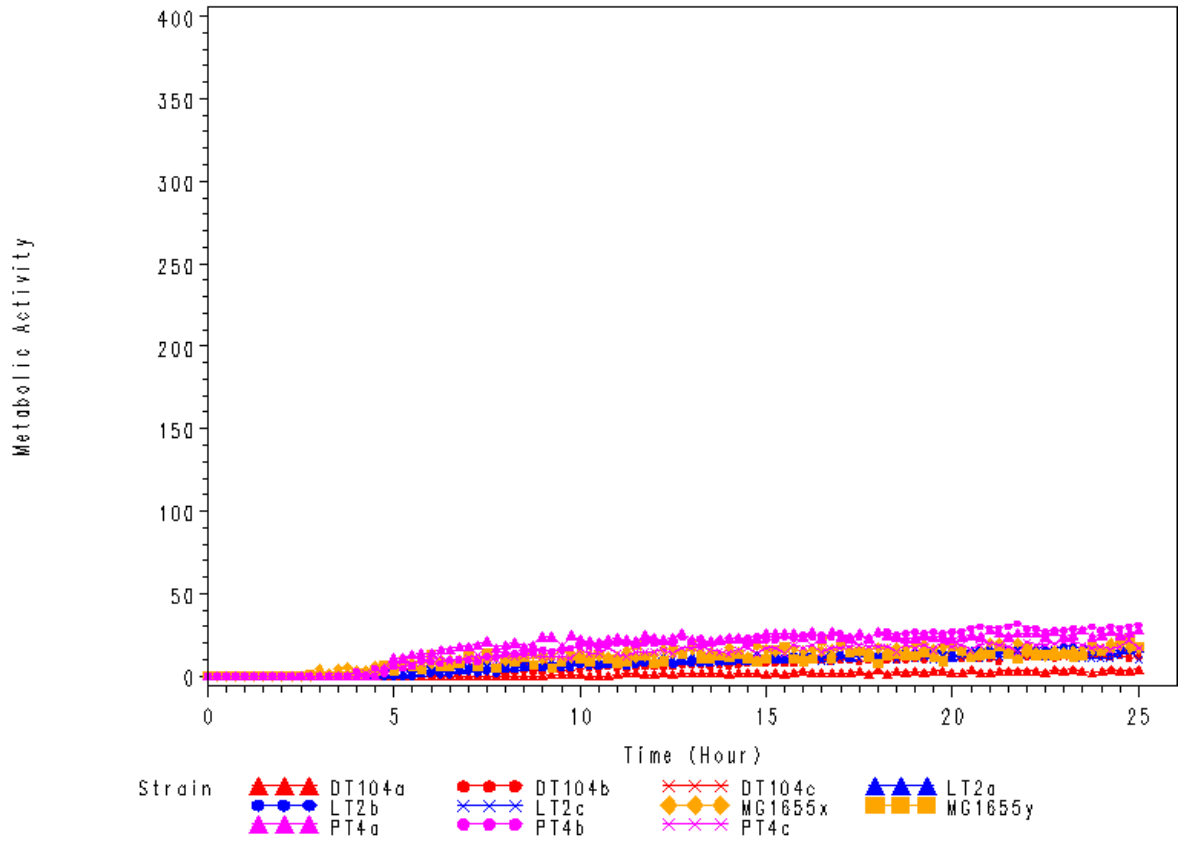
PM02A, H04 (L—Valine)



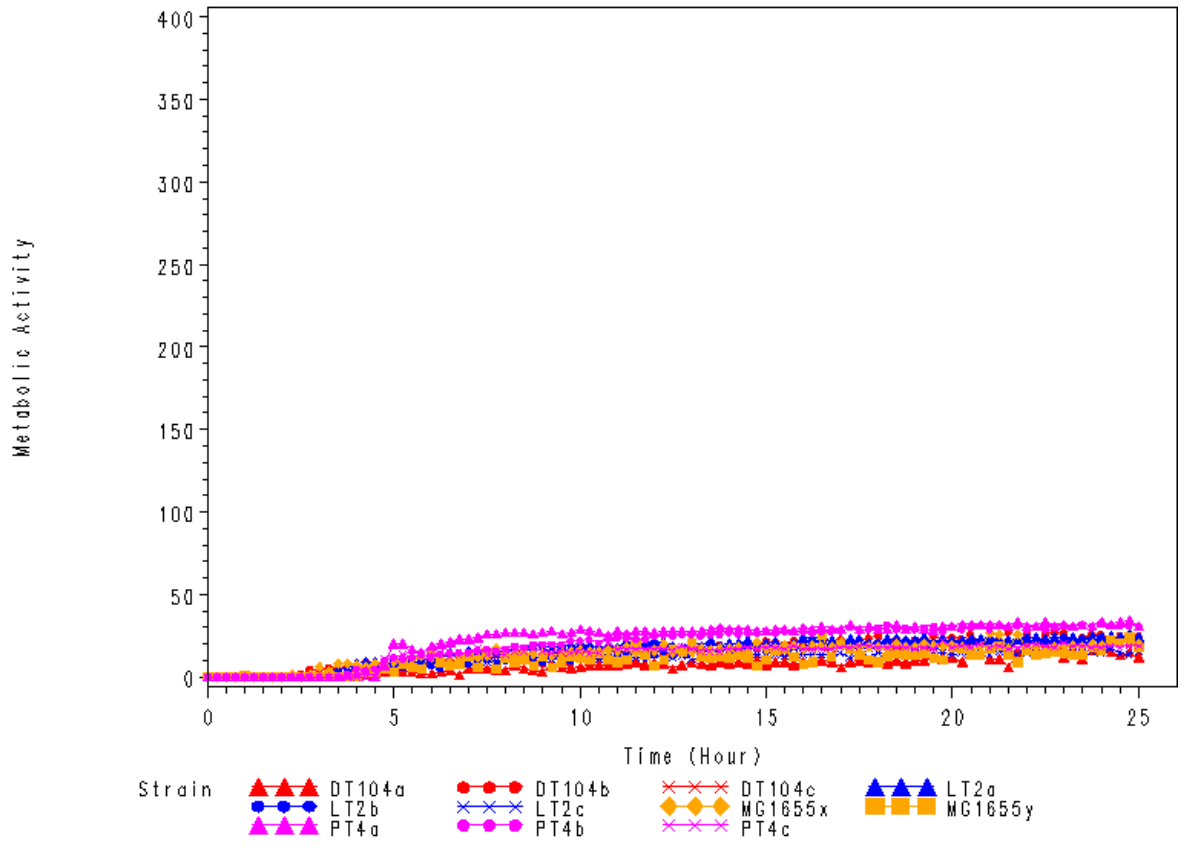
PM02A, H05 (D,L—Carnitine)



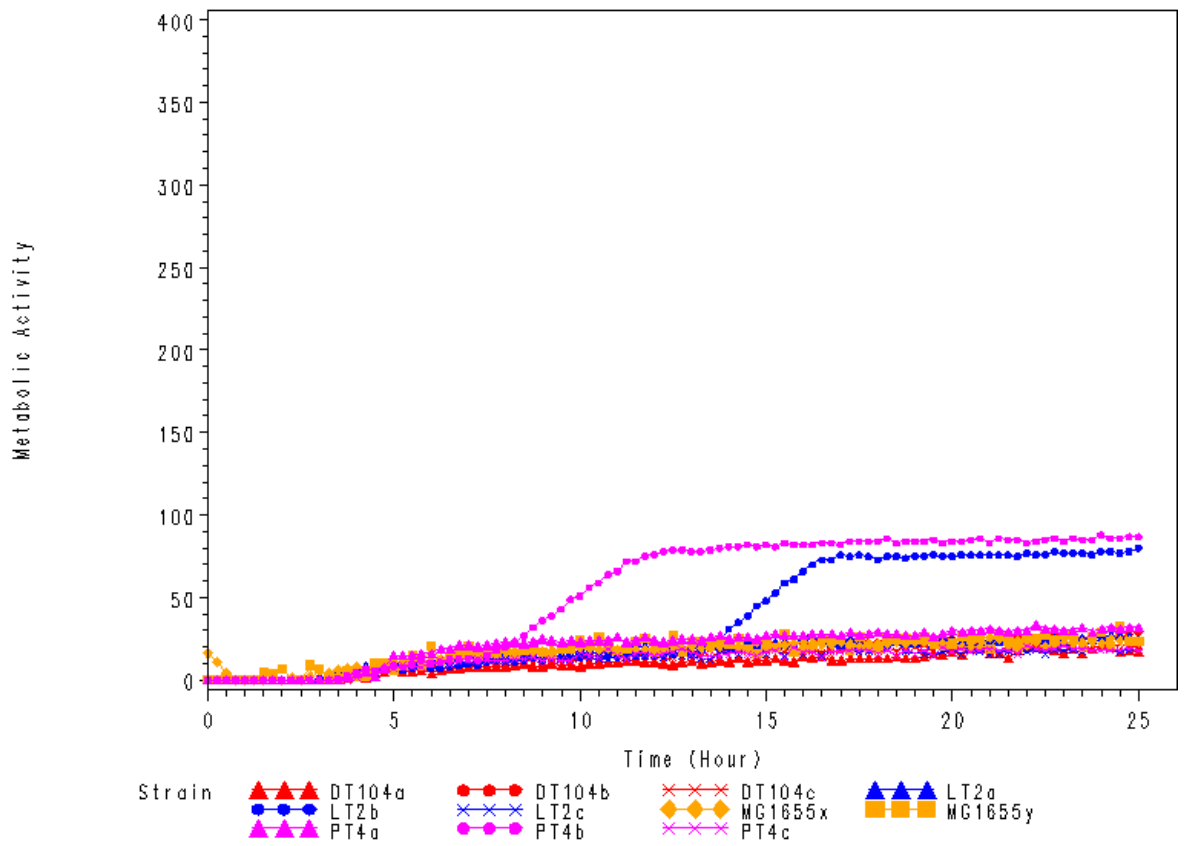
PM02A, H06 (Sec—Butylamine)



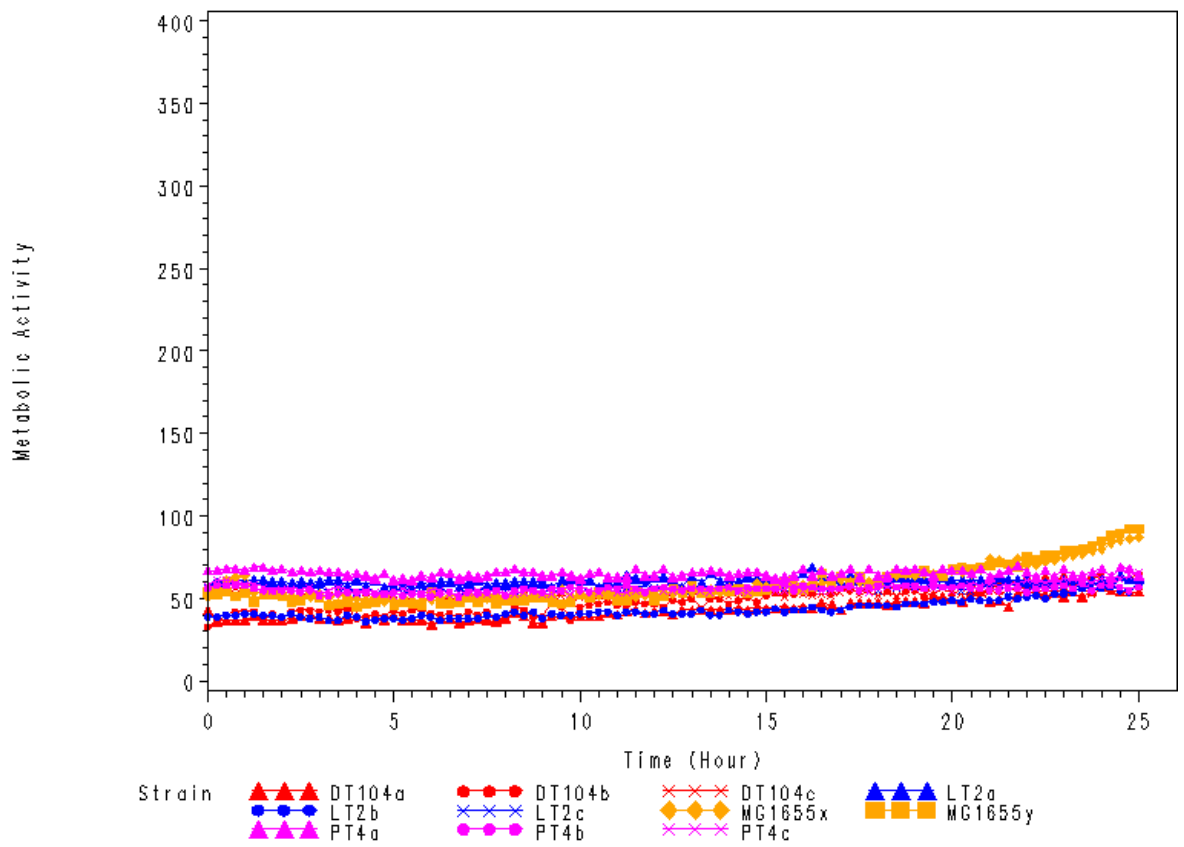
PM02A, H07 (D,L—Octopamine)



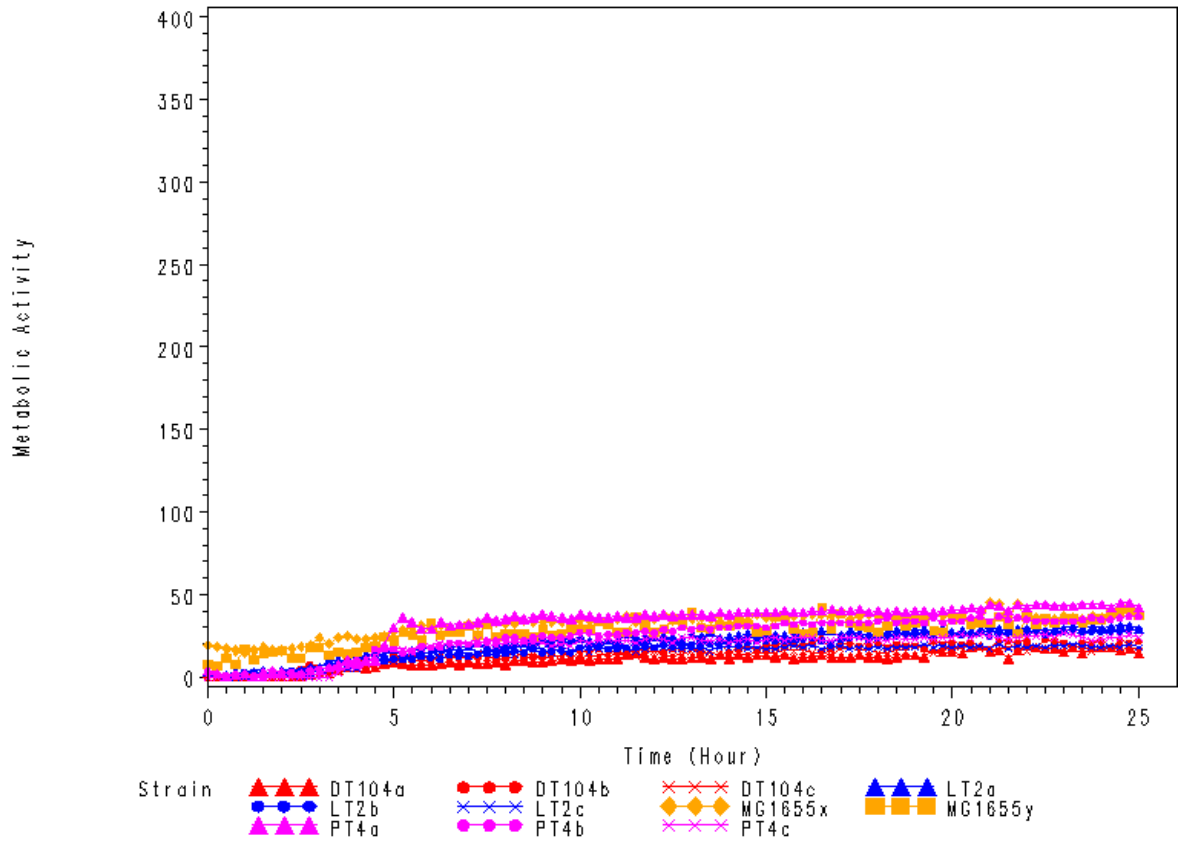
PM02A, H08 (Putrescine)



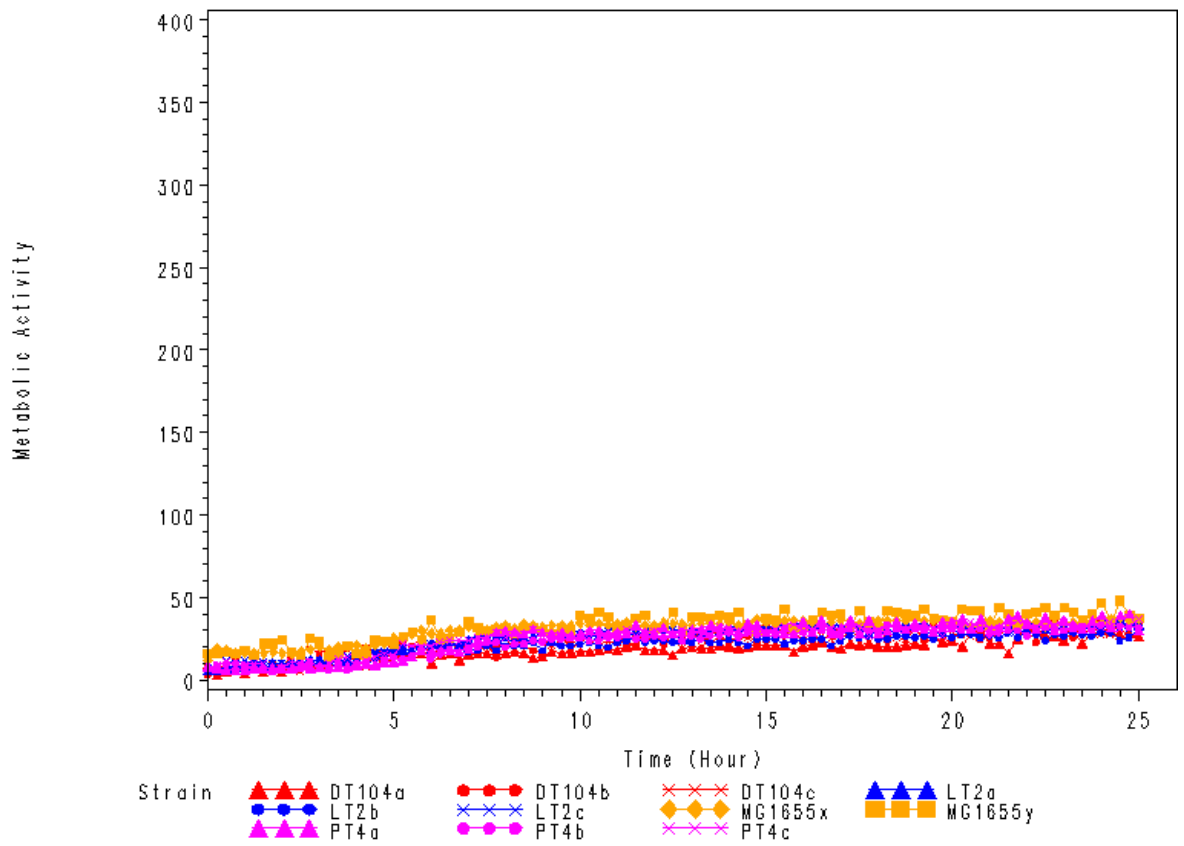
PM02A, H09 (Dihydroxy—Acetone)



PM02A, H10 (2,3—Butanediol)



PM02A, H11 (2,3—Butanone)



PM02A, H12 (3—Hydroxy—2—Butanone)