

Exemplary Dx/Rx for:

- Preterm Labor Dx/Rx
- Chronic Fatigue Syndrome
- Skin Health Cosmetic
- Type 2 Diabetes Mellitus (T2DM)

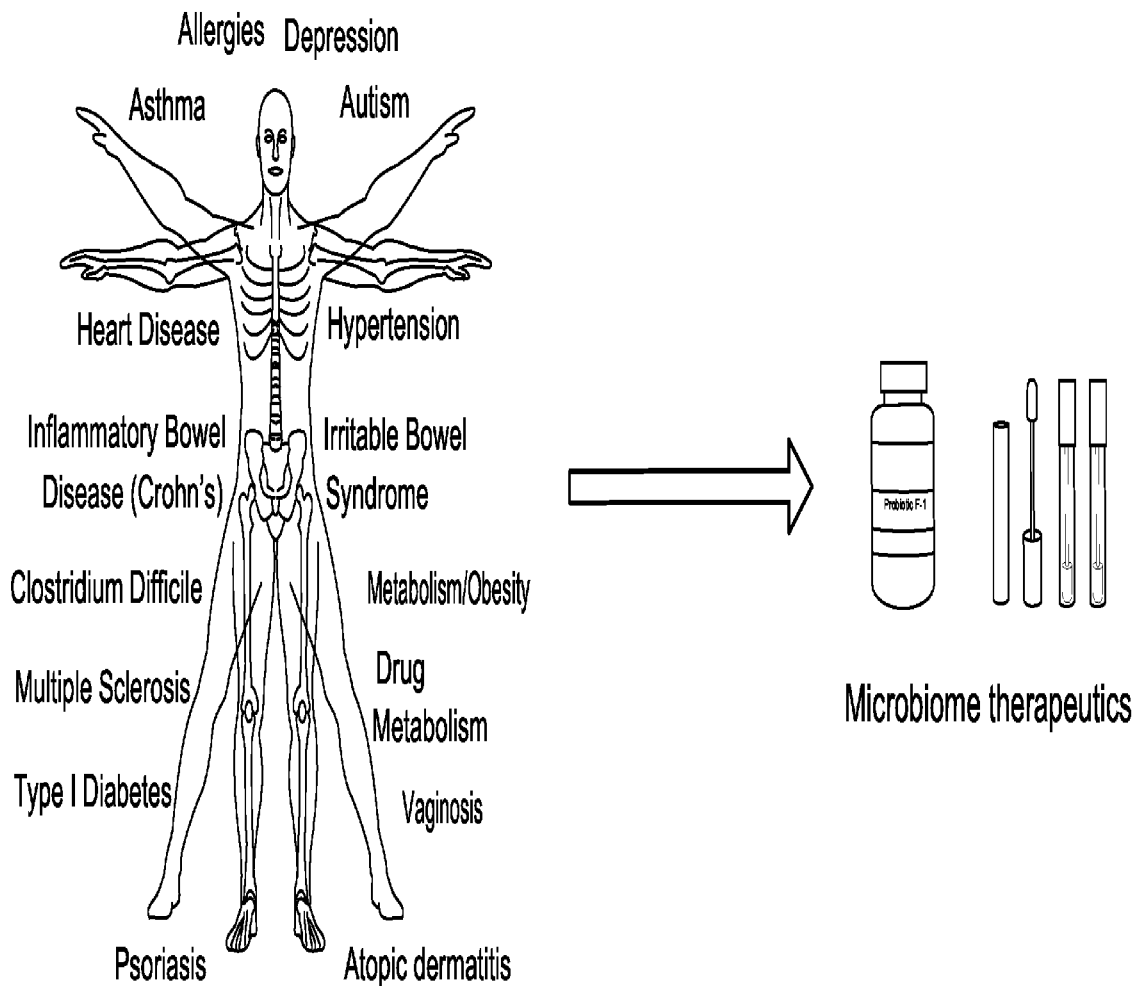


Figure 1

Type 2 Diabetes Mellitus (T2DM)

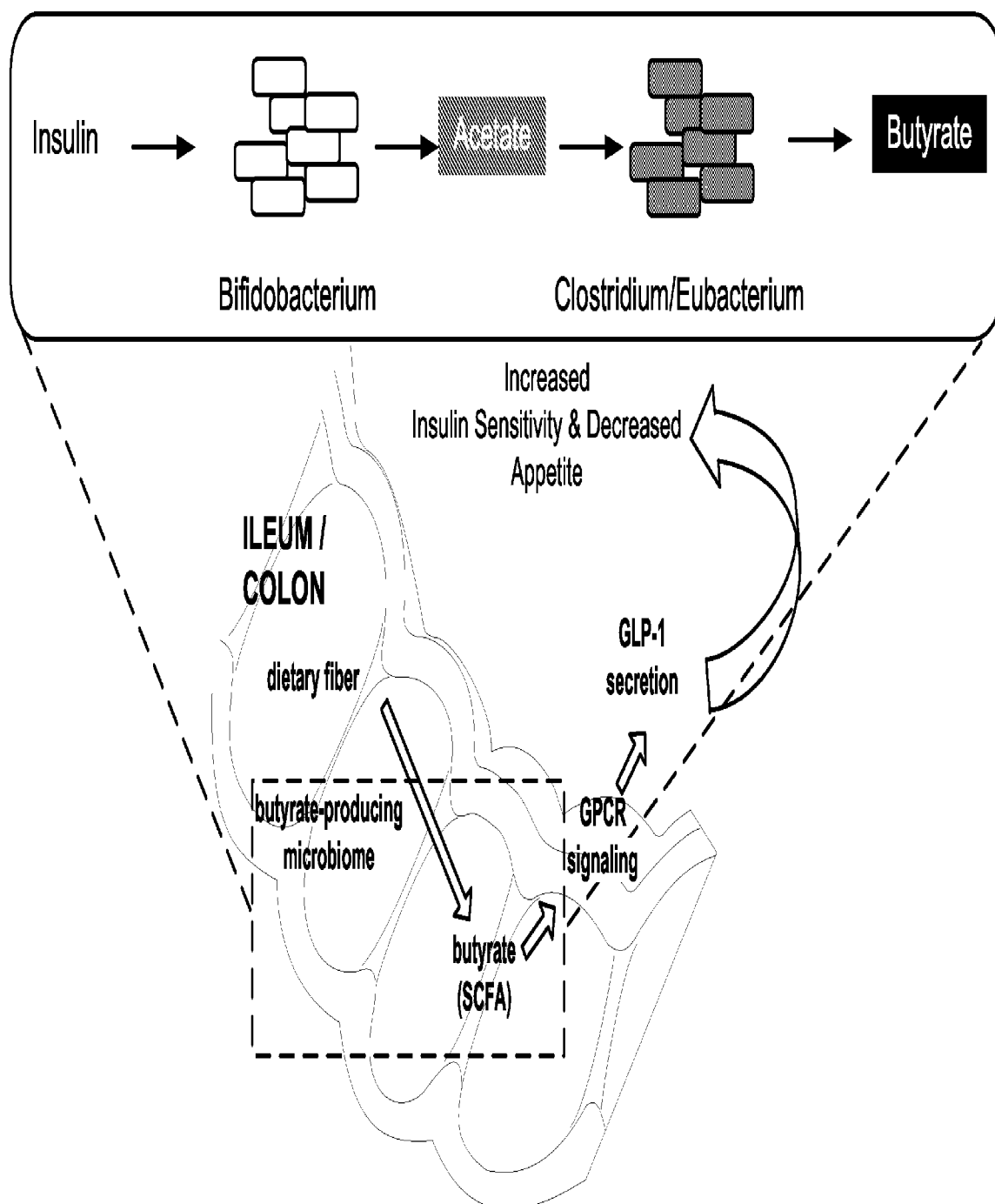


Figure 2

CBT Platform

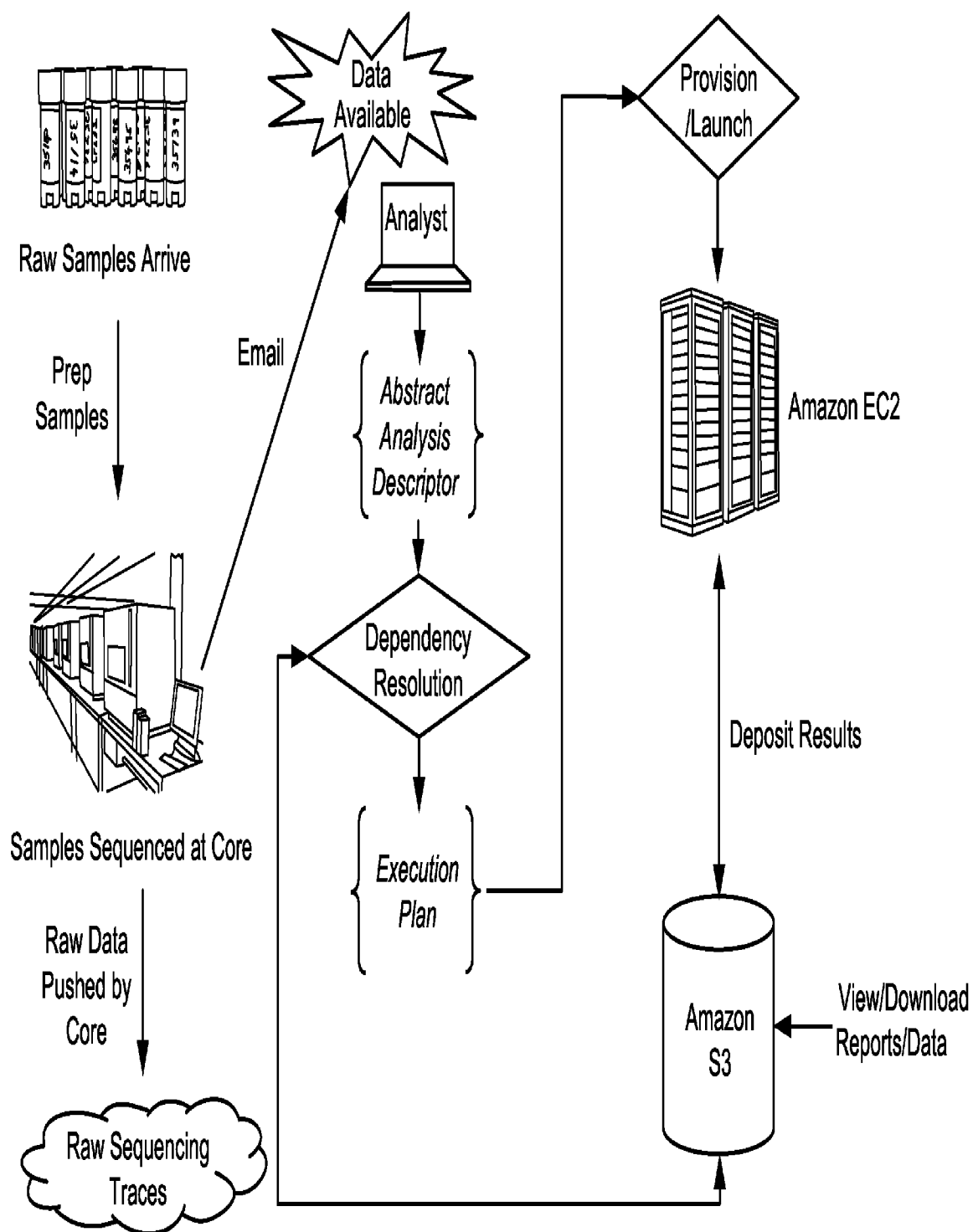
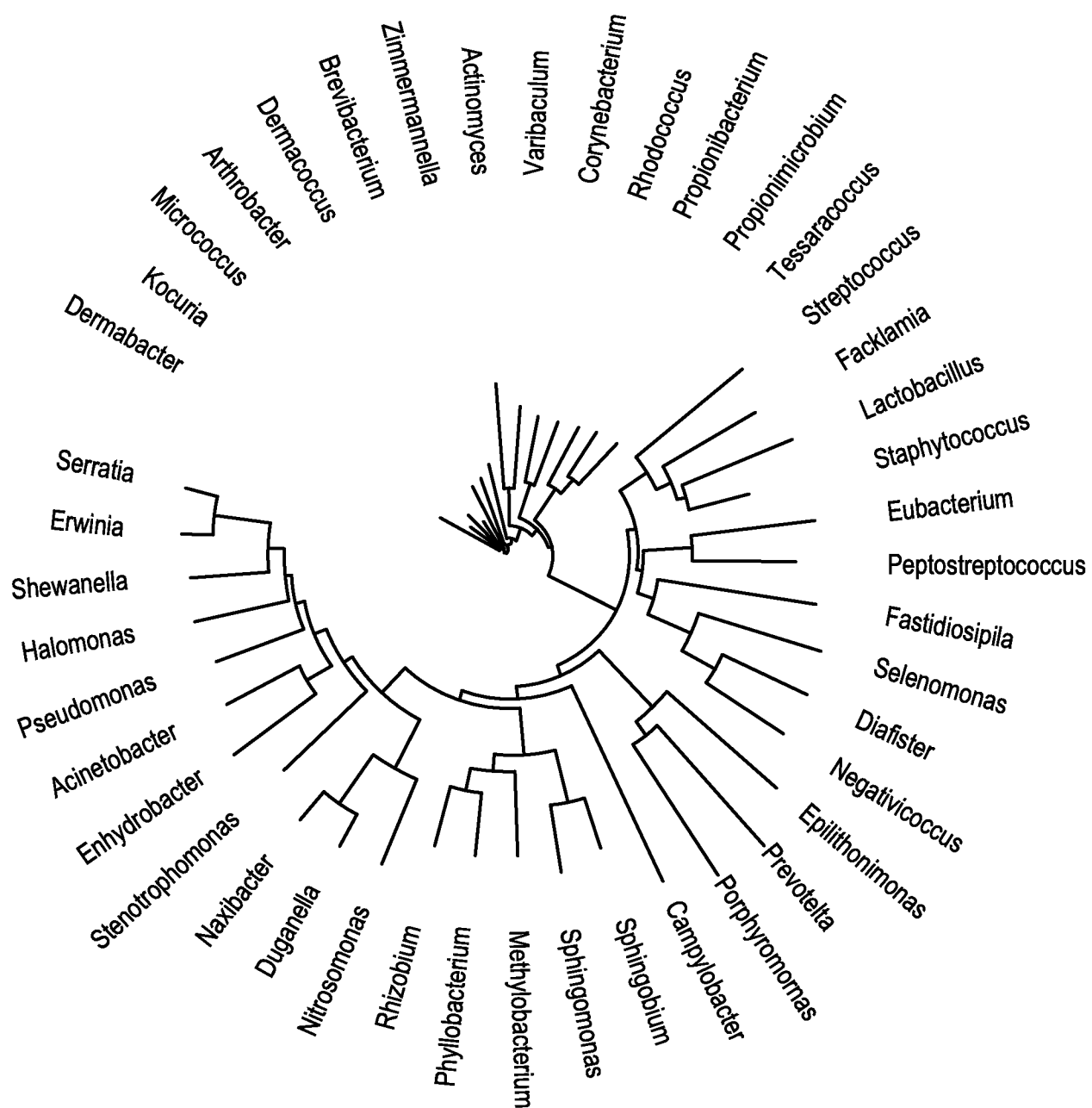


Figure 3

(A) Standard Resolution**Figure 4**

(B) CBT Resolution

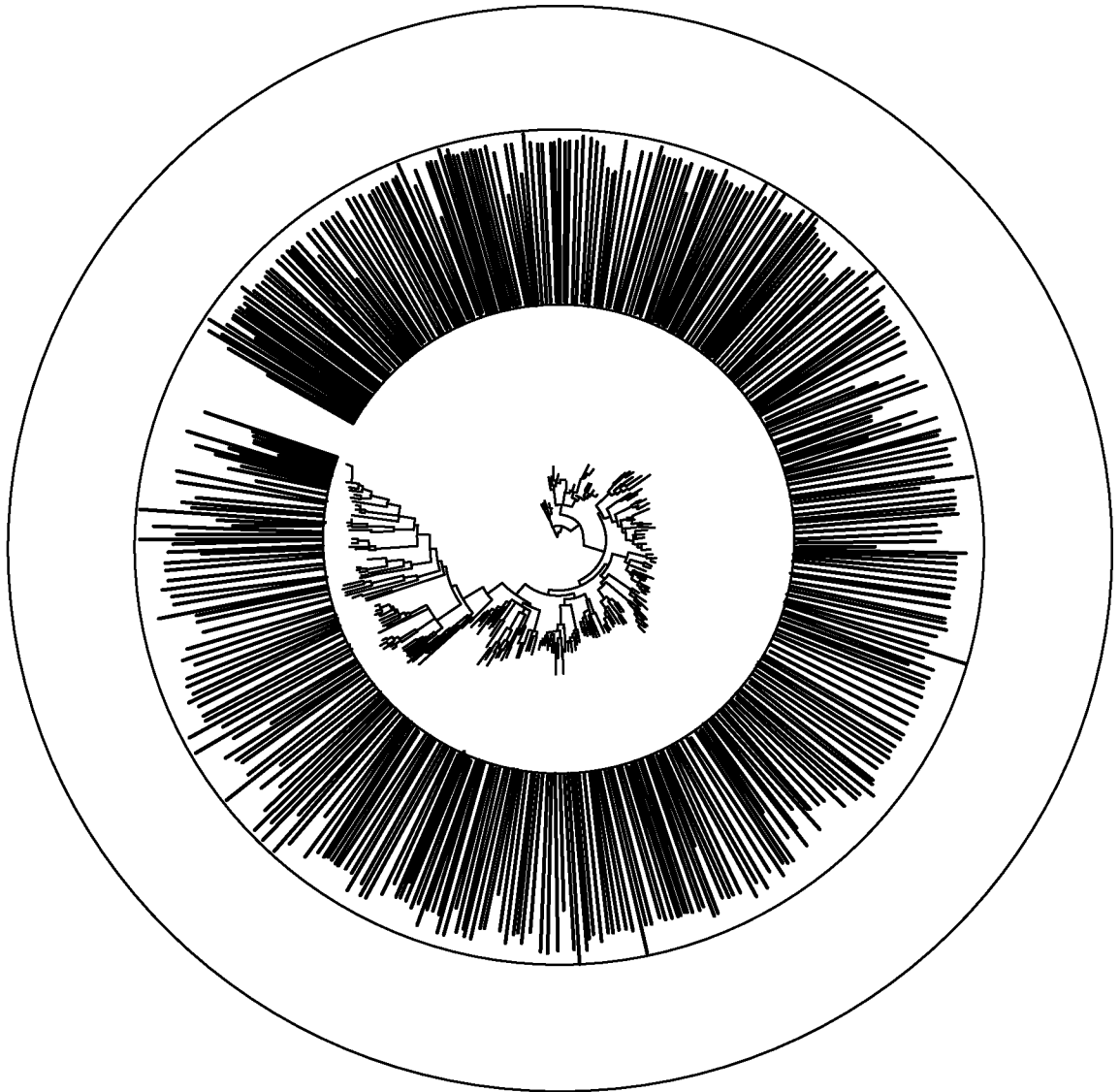


Figure 4

CBT-Driven Database

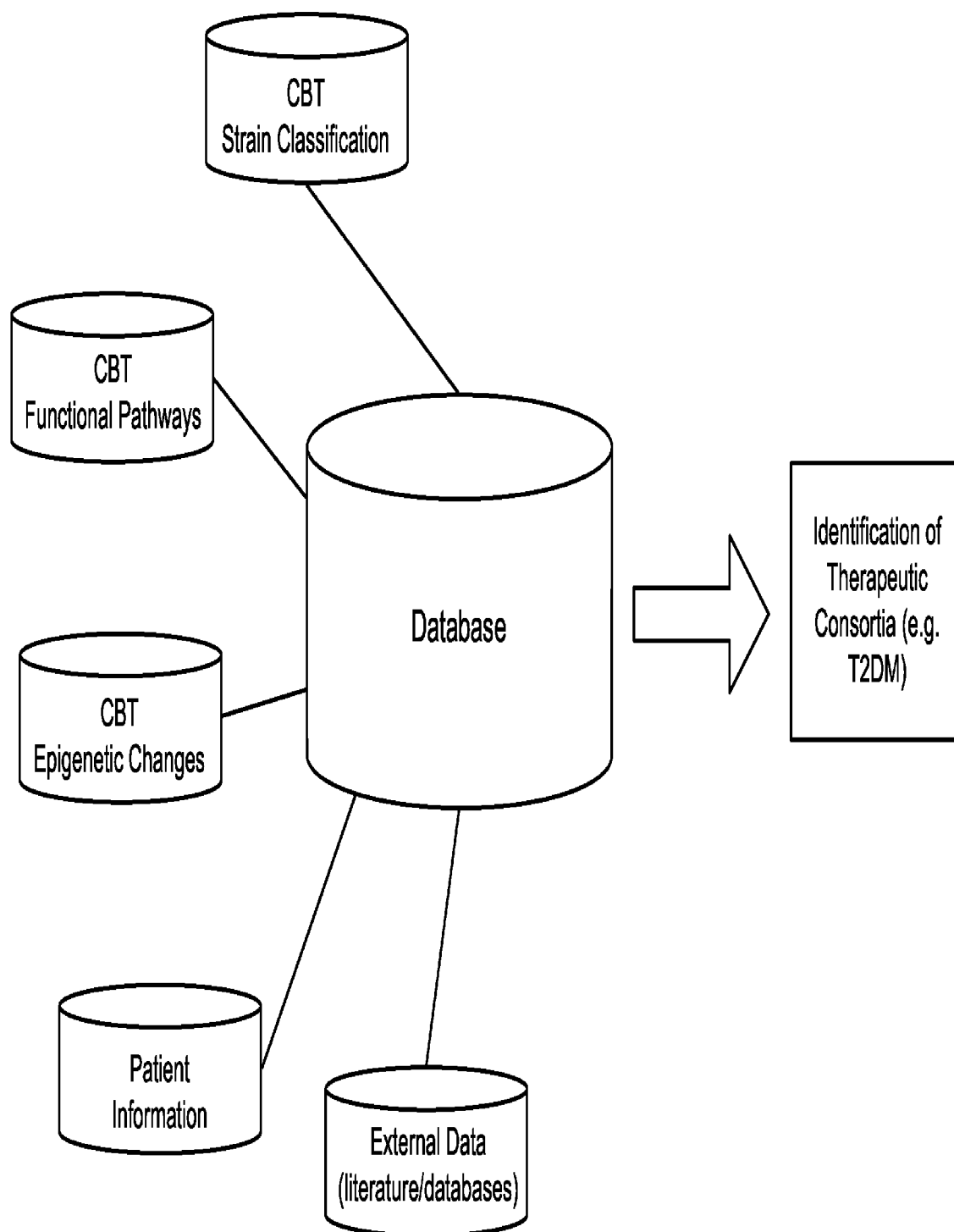


Figure 5

Exemplary method to identify T2DM Proprietary Strains

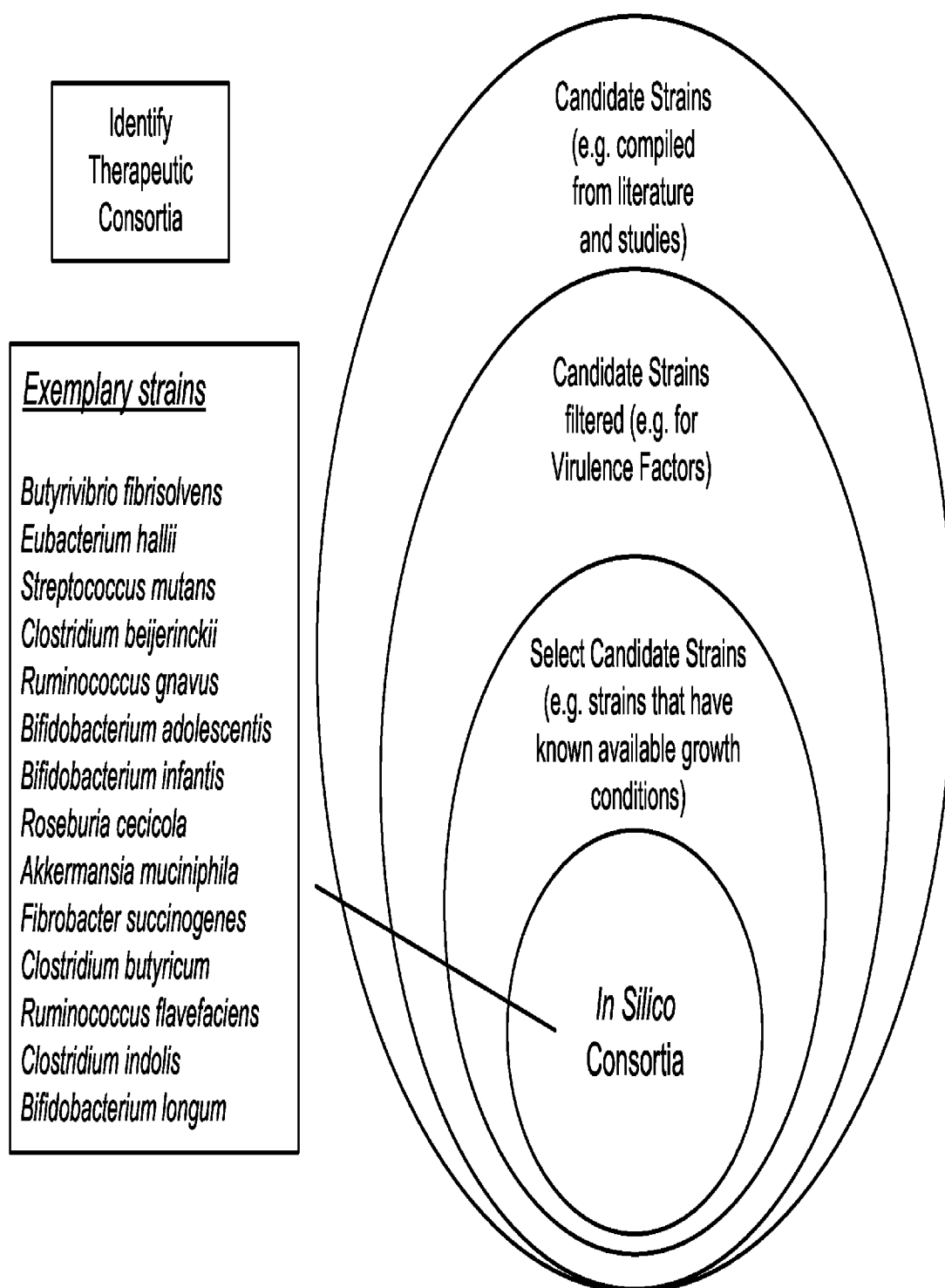


Figure 6

Figure 7

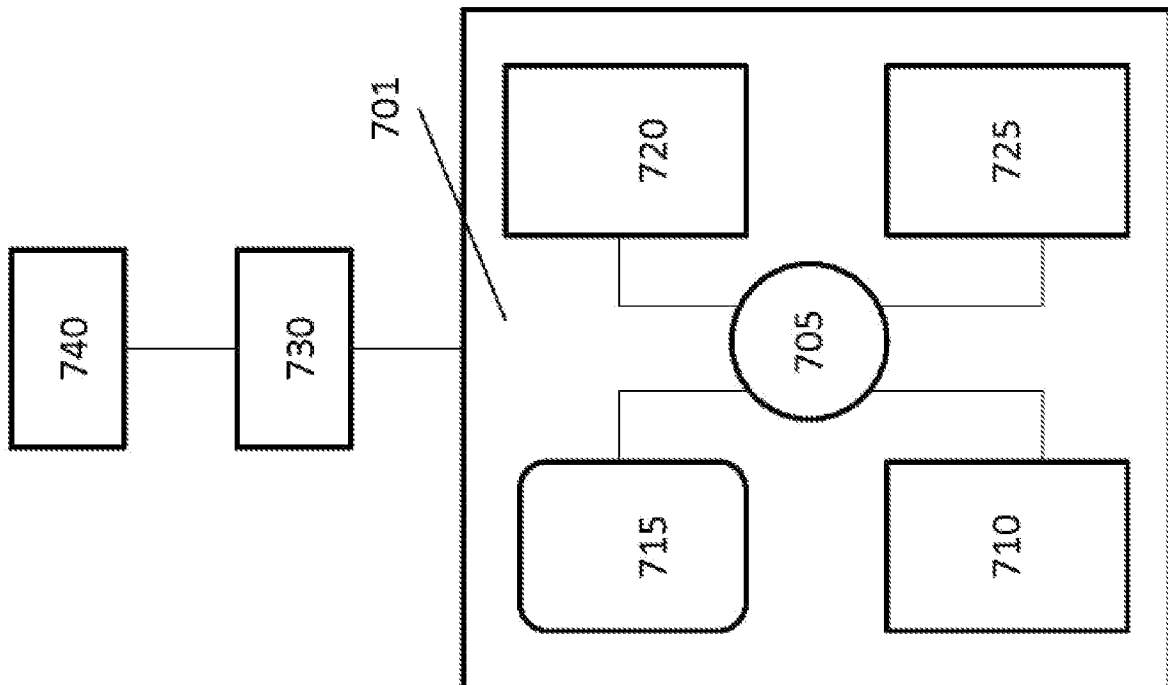


Figure 8

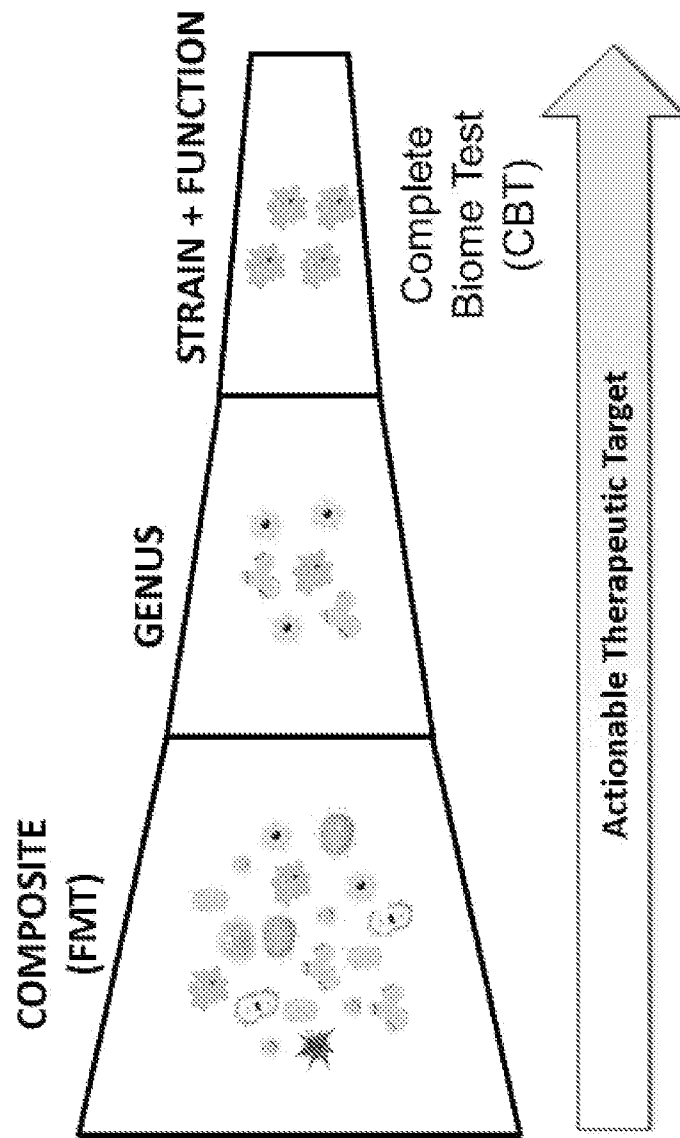
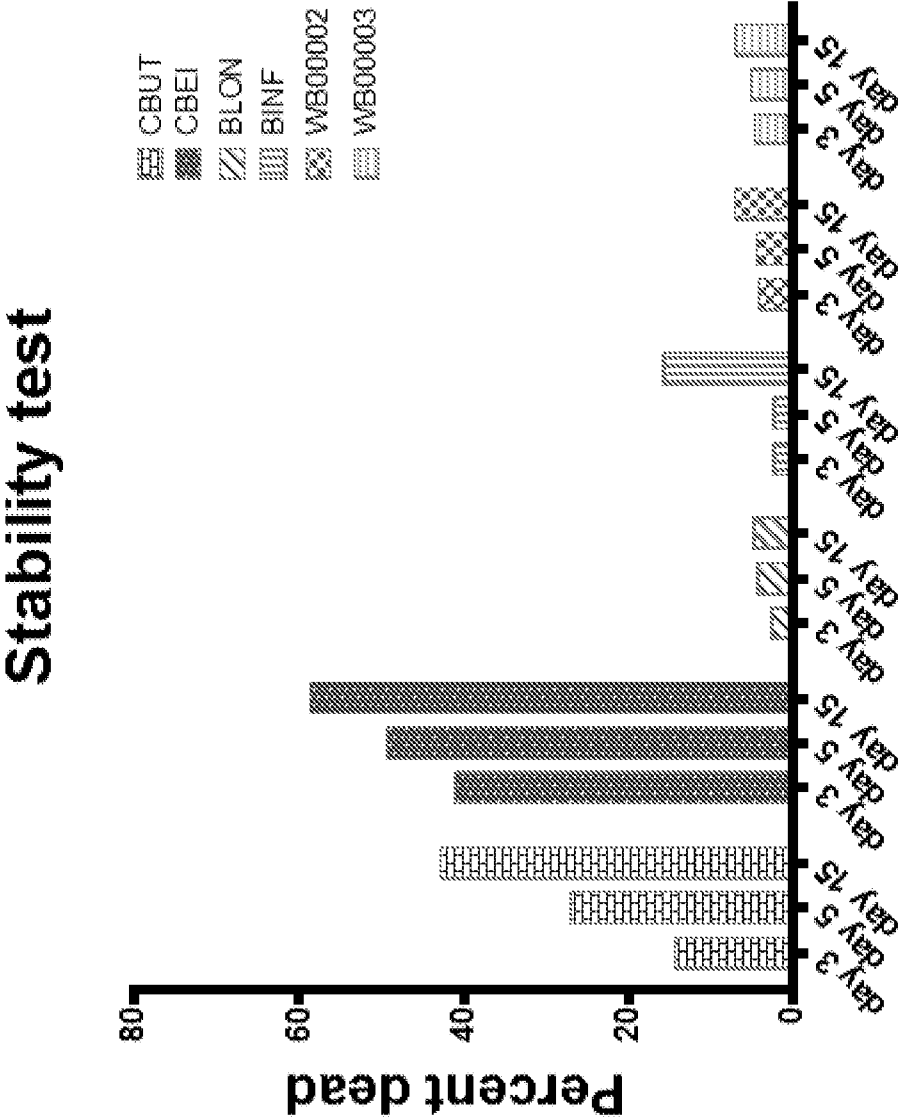


Figure 9



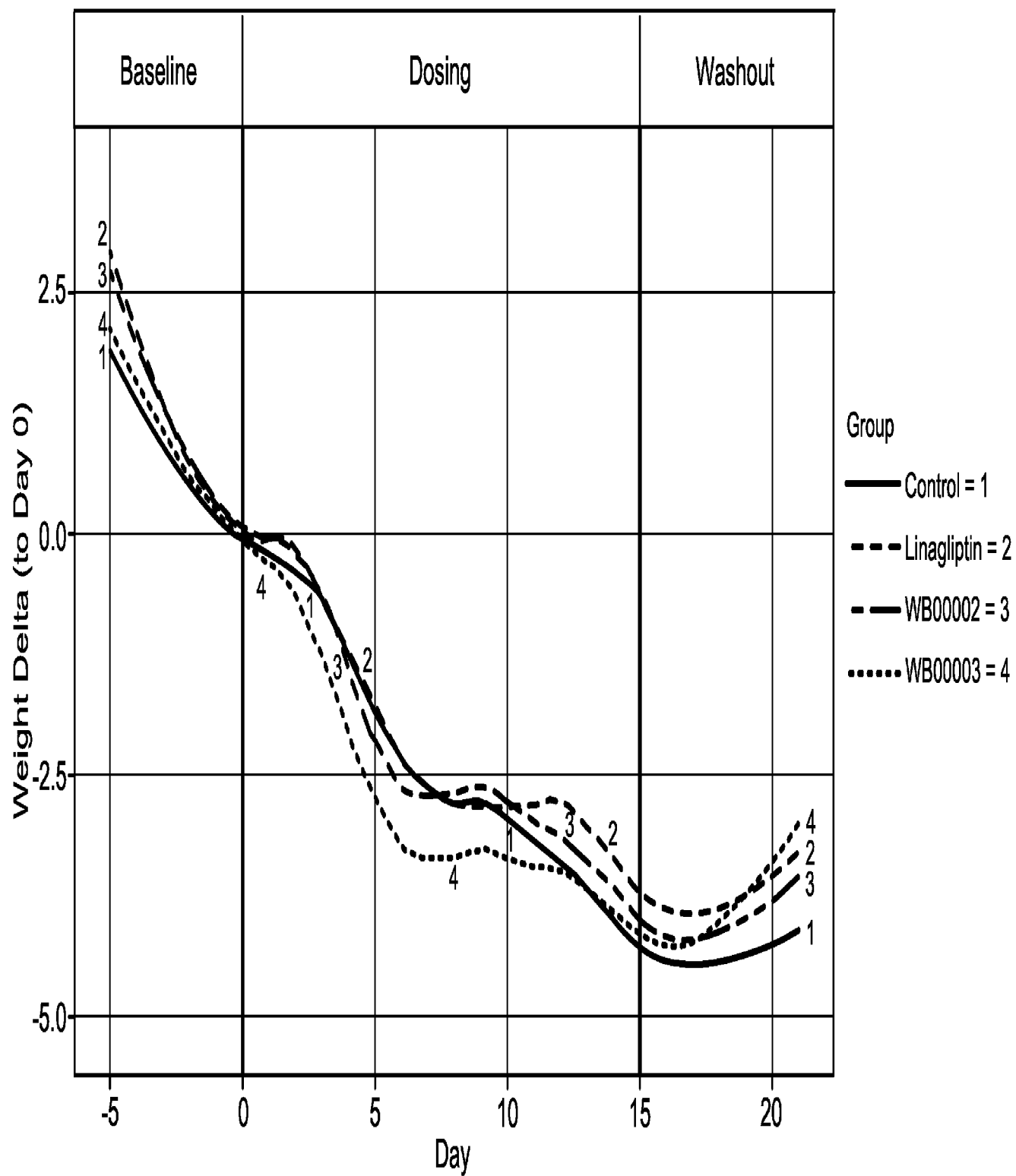
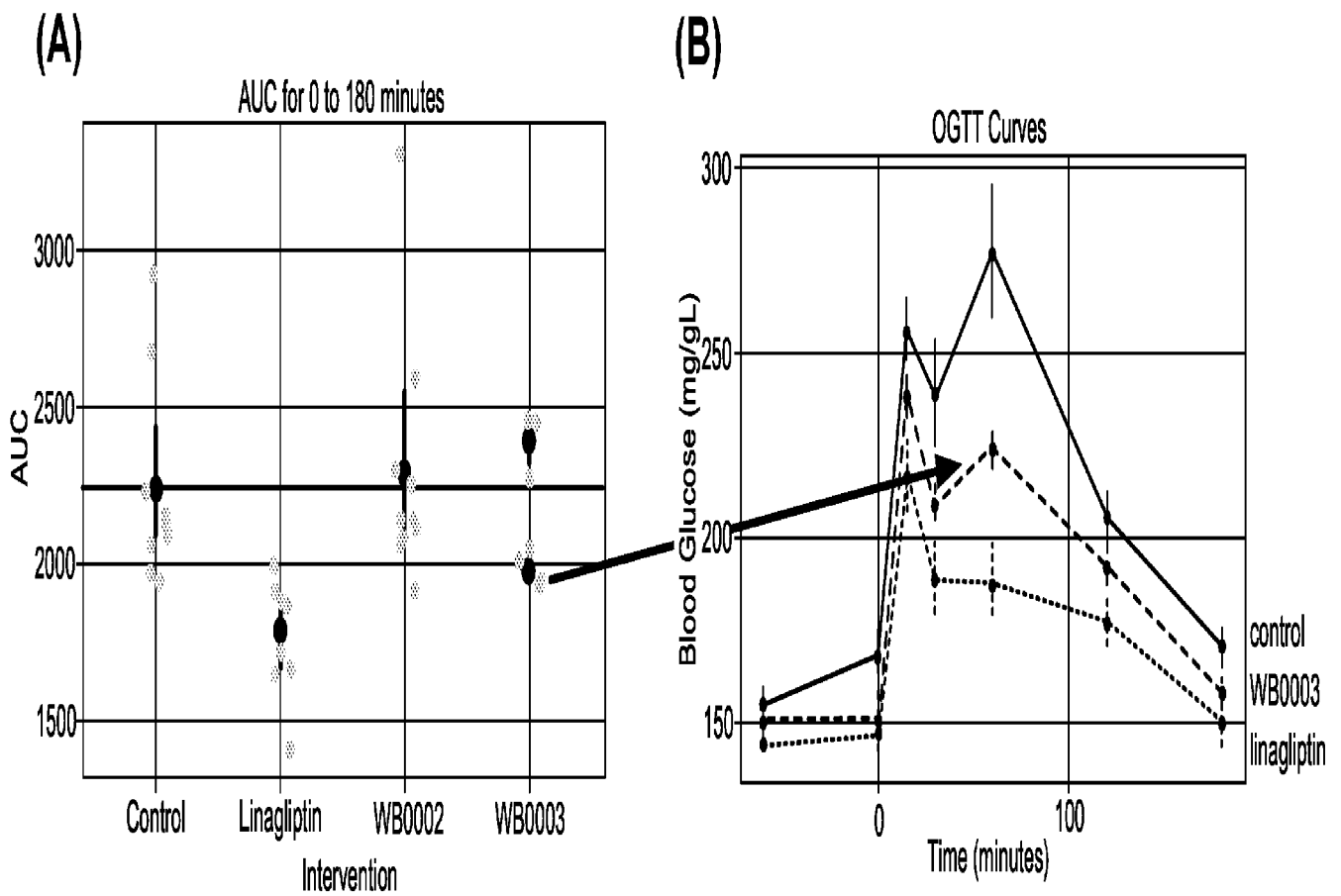


Figure 10

**Figure 11**

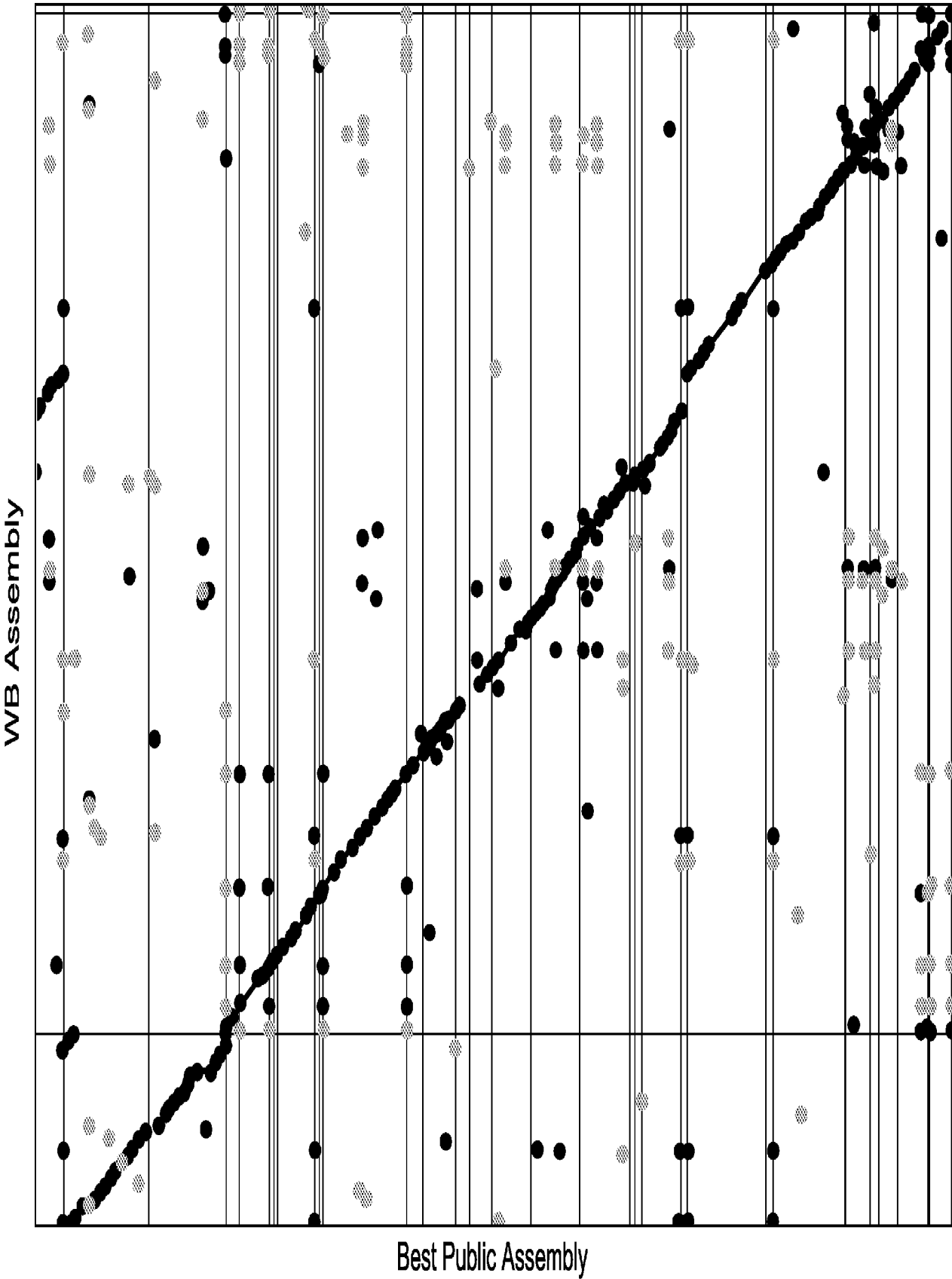
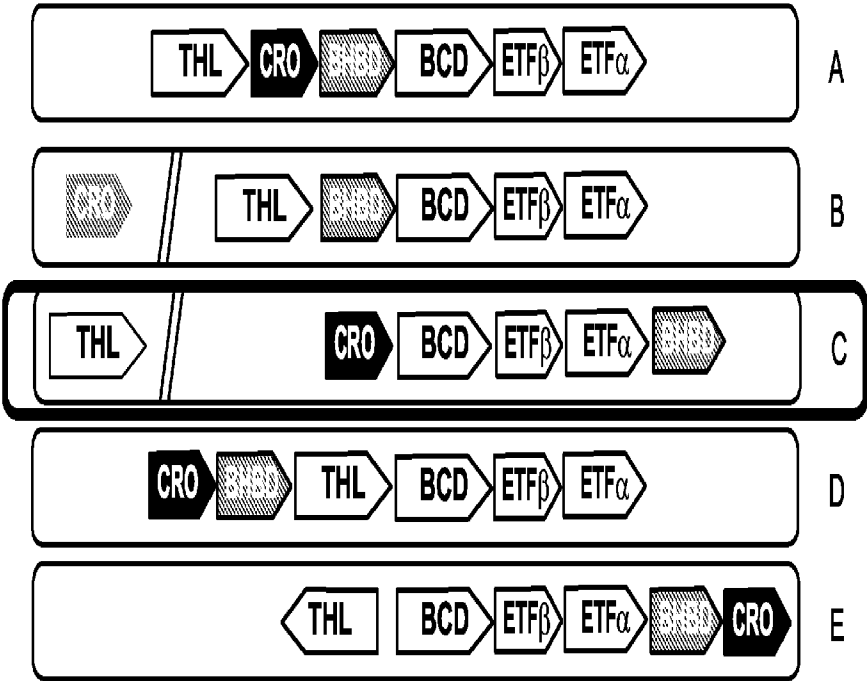


Figure 12

(A)



(B)

Function	start	stop	subsystem
3-hydroxybutyryl-CoA dehydratase (EC 4.2.1.55)	52480	53265	Polyhydroxybutyrate metabolism
Butyryl-CoA dehydrogenase (EC 1.3.99.2)	53343	54482	-none-
Electron transfer flavoprotein, beta subunit	54496	55275	-none-
Electron transfer flavoprotein, alpha subunit	55298	56305	-none-
3-hydroxybutyryl-CoA dehydrogenase (EC 1.1.1.157)	56481	57329	Butanol Biosynthesis;

Figure 13

Short chain fatty acid quantification in different media by strain

SCFA in PYGveg vs RCM

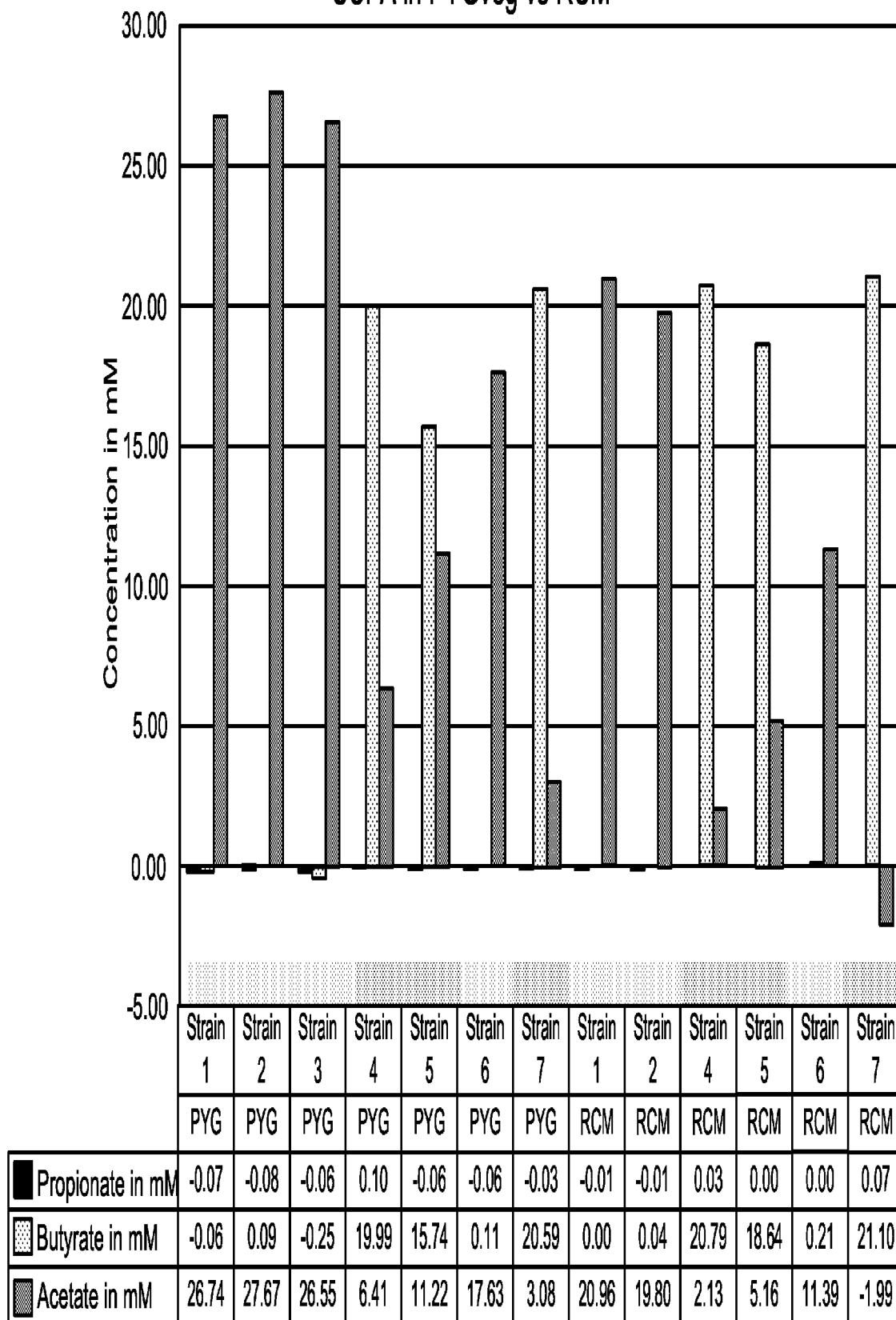


Figure 14

Improved media results in higher peak bacterial density

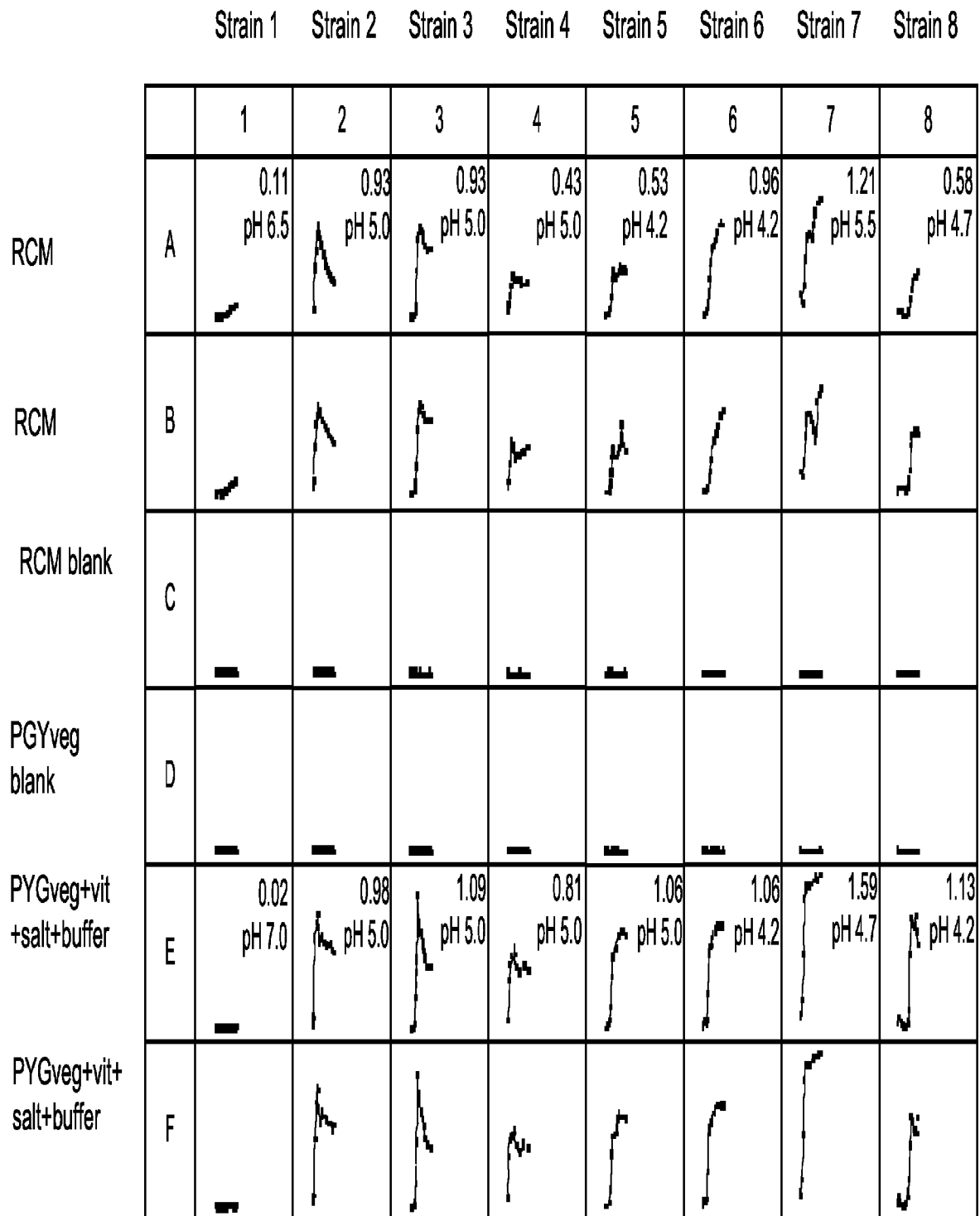


Figure 15