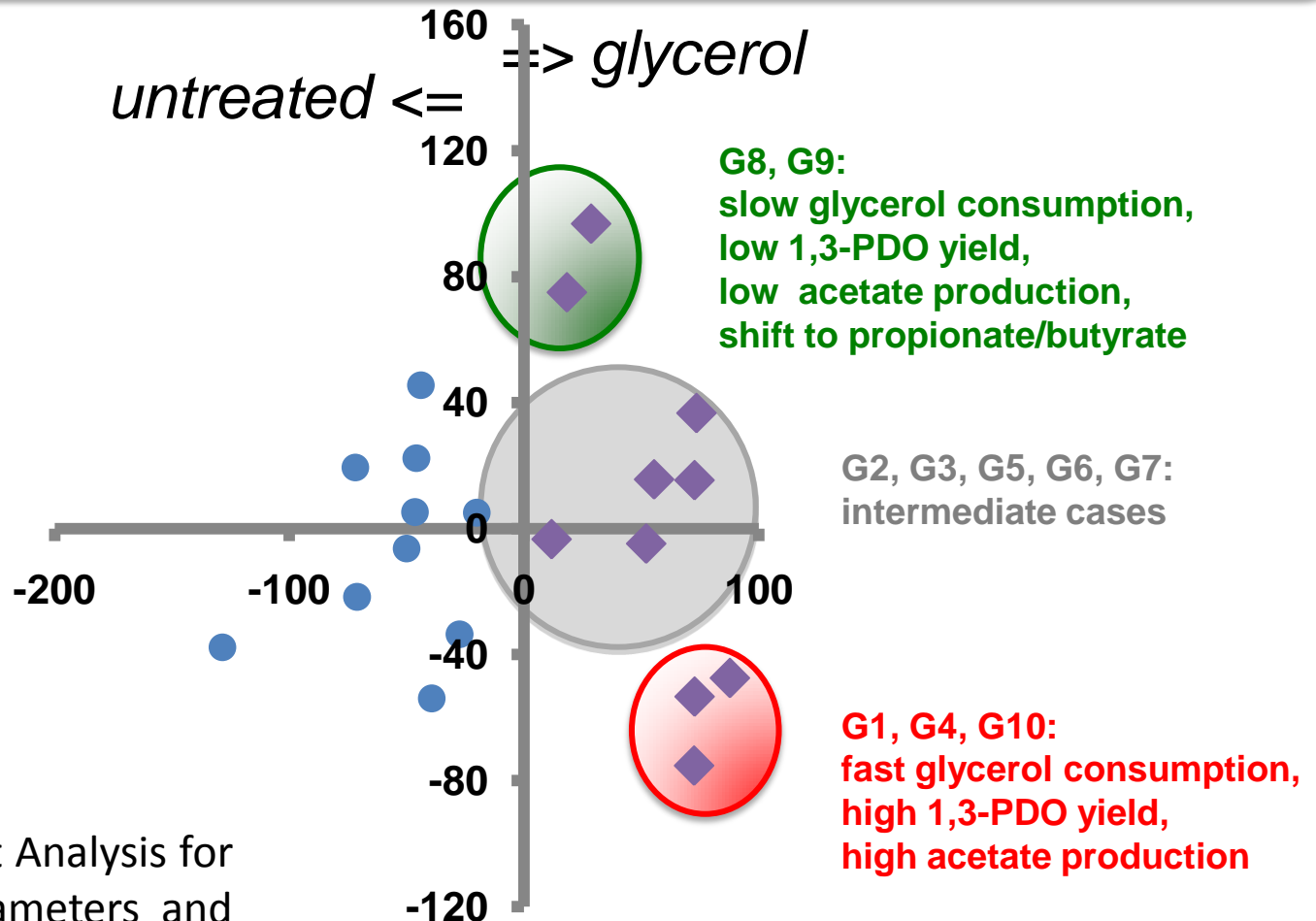


Glycerol metabolism by the human colonic microbiota

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Principal Component Analysis for both metabolic parameters and 16S rDNA DGGE fingerprints

Concluding hypothesis:

❖ The microbial transformation of glycerol to 1,3-PDO in the human gut is a hydrogen consuming reaction and therefore **competitive** with other reductive pathways, such as **cross-feed production of propionate/butyrate**.

❖ Rapid glycerol fermentative persons should **minimize glycerol consumption**.

Fast glycerol consumption

Slow glycerol consumption

