

First Exposure = Control

Second Exposure

control

hypoxic

Cellular Processes

Environmental
Information Processing

Genetic Information
Processing

Metabolism

Organismal Systems

Transport and catabolism

Cell motility

Signaling molecules and interaction

Signal transduction

Membrane transport

Translation

Transcription

Replication and repair

Information processing in viruses

Folding, sorting and degradation

Chromosome

Xenobiotics biodegradation and metabolism

Nucleotide metabolism

Metabolism of terpenoids and polyketides

Metabolism of other amino acids

Metabolism of cofactors and vitamins

Lipid metabolism

Glycan biosynthesis and metabolism

Energy metabolism

Carbohydrate metabolism

Amino acid metabolism

Digestive system

0

5

10

15

0

5

10

15

Number of Pathways

Pathway Identifier