

| Source | Human cell lines | Rat liver |
|----------------------------|---|---|
| Organism/tissue/cell lines | Connectivity Map dataset (build 02) Homo sapiens MCF7, Human breast adenocarcinoma cell line PC3, Human prostate cancer cell line HL60, Human promyelocytic leukemia cell line | Liver pharmacology and xenobiotic response repertoire from Iconix Biosciences (GEO: GSE8858) Rattus norvegicus (Sprague-Dawley) Liver |
| Platform | Affymetrix Human Genome Array, HG-U133A and HT_HG-U133A | GE Healthcare/Amersham Biosciences, Rat I Bioarray, EXP5280X2-584, EXP5280X2-613 and EXP5280X2-648 |
| Treatment duration | 6 hours | mainly 6 hours, 1, 3 and 5 days |
| Genes | <p>22277 probe sets ↓ Detection call filtering Unique genes 8964 genes</p> <p>10455 probe sets ↓ Unique genes 7122 genes (6134 orthologous pairs) ↓ Matched orthologous pairs 3618 genes</p> | |
| Drugs | <p>1309 compounds ↓ Filtering for normalization Treatment in all cell lines 990 compounds (>650 drugs)</p> <p>ATC classification</p> <p>Cardiovascular system Antiinfectives for systemic use Respiratory system Dermatologicals Genito-urinary sys. & sex hormones Various Blood and blood forming organs</p> | <p>344 compounds (>250 drugs)</p> <p>ATC classification</p> <p>Nervous system Sensory organs Alimentary tract & metabol. Musculo-skeletal system Antiparasitic products Antineoplastic & immunomodulating agents Systemic hormonal prepar.</p> |