Raw count of DEGs

Qval−cutoff = 0.1
LFC−cutoff = 0
6 hrs

Qval−cutoff = 0.1
LFC−cutoff = 0
24 hrs

Qval−cutoff = 0.05
LFC−cutoff = 0
6 hrs

Qval−cutoff = 0.05
LFC−cutoff = 0
24 hrs

Qval−cutoff = 0.05
LFC−cutoff = 0.5
6 hrs

Qval−cutoff = 0.05
LFC−cutoff = 0.5
24 hrs

Qval−cutoff = 0.05
LFC−cutoff = 1
6 hrs

Qval−cutoff = 0.05
LFC−cutoff = 1
24 hrs

Compound

N,N'−methylenediacrylamide
Acrylamide
Methacrylamide
Sorafenib
Hydroxyzine
Cyproconazole
HC yellow 13
Lenvatinib
Fenitrothion
6PPD
atrazine (ATZ)
N,N−Dimethylformamide
Propazine
Naproxen
Butoxyethanol
Acetaminophen
Ethanol
Cytosinearabinoside
Terbutryn
Hexachlorobenzene
Itraconazole
Omeprazole
Ethylenethiourea
Tinidazole
Levothyroxine
1−ethyl−1H−imidazole
Tetramethrin, trans−, disulfide
Dasatinib monohydrate
Tenofovir
N−(tuboxymethyl)acrylamide
N−[(2−methyl)propoxy]methylacrylamide
Azacyclotine
Imidazole
2−ethyl−4−methyl−1H−imidazole
Flonicamid
1,2,4−triazole
Colchicine
Triethyl phosphate
Hydroxyurea
1H−imidazole−1−propylamine
Perchloric acid
1−methylimidazole
1,2−dimethylimidazole
2−ethylimidazole
N,N'−diethylurea
4−methyl imidazole
2−methyl imidazole
PFOA
1−Vinylimidazole
Lidocaine
Ibuprofen
2,2'−Bipyridyl
Imazalil
Triphenyl phosphate
Metryrapone
Prochloraz
Pamidronic acid
Imidacloprid
Testosterone
Propiconazole
Mirex
Prothioconazole
Cyproterone
5,5−Diphenylhydantoin
Clopyralid
Triamterene
Aspartame
Diuron
Bisphenol A
Prochloraz
Niflumic acid
Progesterone
Fipronil
Iopanoic acid
Epoxiconazole
Chlorpyrifos
Myclobutanil
DEET
Ethofumesate
Bisphenol E
Valproic acid
N,N−Dimethylacetamide
Butylbenzyl phthalate
Clofibric acid
Cyclosporin A
5−Fluorouracil
Bromodeoxyuridine
Cyclophosphamide
Methimazole
Lithium (cation)
Sulisobenzone
Ketoprofen
Perfluorohexanoic acid
Metformin (hydrochloride)

CElegans
Daphnia
Drosophila
Danio
Xenopus
HepG2

DEGs
8000
6000
4000
2000
0

Raw count of DEGs capped at 2000

Qval−cutoff = 0.1
LFC−cutoff = 0
6 hrs

Qval−cutoff = 0.1
LFC−cutoff = 0
24 hrs

Qval−cutoff = 0.05
LFC−cutoff = 0
6 hrs

Qval−cutoff = 0.05
LFC−cutoff = 0
24 hrs

Qval−cutoff = 0.05
LFC−cutoff = 0.5
6 hrs

Qval−cutoff = 0.05
LFC−cutoff = 0.5
24 hrs

Qval−cutoff = 0.05
LFC−cutoff = 1
6 hrs

Qval−cutoff = 0.05
LFC−cutoff = 1
24 hrs

Compound

N,N'−methylenediacrylamide
Acrylamide
Methacrylamide
Sorafenib
Hydroxyzine
Cyproconazole
HC yellow 13
Lenvatinib
Fenitrothion
6PPD
atrazine (ATZ)
N,N−Dimethylformamide
Fipronil
Naproxen
Butoxyethanol
Acetaminophen
Ethanol
Cytosinearabinoside
Terbutryn
Hexachlorobenzene
Itraconazole
Omeprazole
Ethylenethiourea
Tiratricol
Levothyroxine
1−ethyl−1H−imidazole
Tetraethylthiuram disulfide
Dasatinib monohydrate
Thiamine
N−(butoxymethyl)acrylamide
N−[(2−methylpropoxy)methyl]acrylamide
Azacyclotine
Imidazole
2−ethyl−4−methylimidazole
Flonicamid
1,2,4−triazole
Colchicine
Triethyl phosphate
Hydroxyurea
1H−imidazole−1−propylamine
Perchloric acid
1−methylimidazole
1,2−diethylimidazole
2−ethylimidazole
N,N'−diethylformamide
4−methyl imidazole
2−methyl imidazole
PFOA
1−Vinylimidazole
Lidocaine
Ibuprofen
2,2−Bipyridyl
Imazalil
Triphenyl phosphate
Metyrapone
Propofol
Pamidronic acid
Imidacloprid
Testosterone
Propiconazole
Nitrobenzene
Prothioconazole
Oxamniquine
5,5−Diphenylhydantoin
Clopyralid
Triamterene
Aspartame
Diuron
Bisphenol A
Prochloraz
Niflumic acid
Progesterone
Fipronil
Iopanoic acid
Epoxiconazole
Chlorpyrifos
Mycloburtanil
DEET
Ethofumesate
Bisphenol E
Valproic acid
N,N−Dimethylacetamide
Tributyltin chloride
Clofibric acid
Cyclosporin A
5−Fluorouracil
Bromodeoxyuridine
Cyclophosphamide
Methimazole
Lithium (cation)
Sulisobenzone
Diiodopram
Perfluorohexanoic acid
Metformin (hydrochloride)

Atorvastatin
Triazole acetic acid
Sulfamethoxazole
Mifepristone
Carbamazepine
Fulvestrant
Pentachlorophenol
Fenhexamid
MCPA
Fingolimod
Clarithromycin
Carbendazim
Thiabendazole
Telmisartan
Methylparaben
Diuron
Retinoic acid
Camptothecin
Verapamil
Haloperidol
Ampicillin (trihydrate)
Tunicamycin
Aldosterone
5alpha−Dihydrotestosterone
Progesterone
Tetrabromobisphenol A
Tenofovir
Amoxicillin
Tramadol
Rosiglitazone
Difenoconazole
Furosemide
Bisphenol Z
Tetracycline
Sulfadiazine
Toluene−2,5−diamine
Ciprofloxacin
Pimozide
Ermistin B1
Chlorpromazine
4,4'−Dichlorophenylbenzophenone
Tamoxifen
Ethylparaben
Cyprodinil
Triadimefon
Cyproterone acetate
Propylthiouracil
Spironolactone
Dutasteride
1,3−Diphenylguanidine
o−Aminophenol
N,N'−bis−(2−hydroxyethyl)−2−nitro−p−phenylenediamine
Flutamide
Chlorpyrifos oxon
Clomipramine
17−Methyltestosterone
Dexamethasone
Cortisol
Mebendazole
Genistein
Ethylparaben
2,6−dichlorobenzamide
Methotrexate
Chloroquine
Raloxifene
Lasalocid
Nicotine
N−methylaniline
Caffeine
Fluconazole
Azidothymidine
Irbesartan
Chloramphenicol
Finasteride
Diclofenac
Penconazole
Etaconazole
Phenacetin
Fenbuconazole
Adefovir dipivoxil
17beta−Trenbolone

Triclosan
Methylprednisolone
Carbamazepine
Fulvestrant
Pentachlorophenol
Fenhexamid
Ketoconazole
Ofloxacin
Ethinylestradiol
Mifepristone
Ketoprofen
Fenofibrate
Ibuprofen
Diclofenac
Naproxen
Gemfibrozil
Bezafibrate
Clofibric acid
Carbamazepine
Sulfamethoxazole
Trimethoprim
Ciprofloxacin
Ofloxacin
Norfloxacin
Enrofloxacin
Sarafloxacin
Oxytetracycline
Tetracycline
Chlortetracycline
Doxycycline
Minocycline
Sulfadiazine
Sulfamerazine
Sulfamethazine
Sulfamethoxypyridazine
Sulfachloropyridazine
Sulfadimethoxine
Sulfamonomethoxine
Sulfaquinoxaline
Sulfisoxazole
Sulfapyridine
Sulfathiazole
Sulfanilamide
Sulfaguanidine
Sulfacetamide
Sulfabenzamide
Sulfadimidine
Sulfamethizole
Sulfamethoxazole
Sulfisomidine
Sulfadoxine
Sulfadimethoxine
Sulfamethoxypyridazine
Sulfachloropyridazine
Sulfamonomethoxine
Sulfaquinoxaline
Sulfisoxazole
Sulfapyridine
Sulfathiazole
Sulfanilamide
Sulfaguanidine
Sulfacetamide
Sulfabenzamide
Sulfadimidine
Sulfamethizole
Sulfamethoxazole
Sulfisomidine
Sulfadoxine

C.Elegans
Daphnia
Drosophila
Danio
Xenopus
HepG2

DEGs
2000
1500
1000
500
0

Count of DEGs scaled per compound and modality (row)
Comparison across Species

Qval-cutoff = 0.1
LFC-cutoff = 0
6 hrs

Qval-cutoff = 0.1
LFC-cutoff = 0
24 hrs

Qval-cutoff = 0.05
LFC-cutoff = 0
6 hrs

Qval-cutoff = 0.05
LFC-cutoff = 0
24 hrs

Qval-cutoff = 0.05
LFC-cutoff = 0.5
6 hrs

Qval-cutoff = 0.05
LFC-cutoff = 0.5
24 hrs

Qval-cutoff = 0.05
LFC-cutoff = 1
6 hrs

Qval-cutoff = 0.05
LFC-cutoff = 1
24 hrs

Compound

Fulvestrant
Cyproterone acetate
Anastrozole
Triazole acetic acid
Raloxifene
Nadolol
N-[(2-methylpropoxy)methyl]acrylamide
Adacytidine
2-ethyl−4-methyl imidazole
Imidazole
N,N′-diethylacrylamide
4-methyl imidazole
Perchloric acid
Atorvastatin
N−methylaniline
Nicotine
Caffeine
Flonicamid
1,2,4−triazole
1H−imidazole−1−propylamine
Methotrexate
Fluvastatin
Triethyltin bromide
Hydroxyurea
Sulfamethoxazole
Chloroquine
Enalapril
Triazole alanine
Colchicine
Clomiphene
17−Methyltestosterone
Tebuconazole
Chlorpyrifos oxon
Dasatinib monohydrate
Flutamide
Thiabendazole
Droperidol
Genistein
Ethylenethiourea
N−(butoxymethyl)acrylamide
o−Aminophenol
N,N′−bis−(2−hydroxyethyl)−2−nitro−p−phenylenediamine
Terbutryn
Itraconazole
Hexachlorophene
Omeprazole
1−ethyl−1H−imidazole
Thiamethoxam
Cortisol
Dexamethasone
Levothyroxine
Mevinphos
Propylthiouracil
Tetraethylthiuram disulfide
Methenolone
Chlorpyrifos
Amitriptyline
Ibuprofen
Progesterone
Tunicamycin
Aldosterone
Ipsonaic acid
Picoxystrobin
2,2−Bisphenol F
Epoxiconazole
Bisphenol A
Pregnenolone
6PPD
Finasteride
Irbesartan
Chlorantraniliprole
Rosiglitazone
Tetrabromobisphenol A
Sorafenib
Hydroxyzine
Cyproconazole
Fenitrothion
Adefovir dipivoxil
17beta−Trenbolone
N,N′−methyleneacrylamide
Acrylamide
Methacrylamide
Tramadol
Diclofenac
Tenofovir
Furosemide
DEET
Bisphenol Z
PCB28
Aspartame
Amoxicillin
Fluoxetine (Fluoxetine Hydrochloride)
Azithromycin
N,N−Dimethylacetamide
Imidacloprid
2,6−dichlorobenzamide
Ampicillin (trihydrate)
Ciprofloxacin
Ethylparaben
Propiconazole
Sprironolactone
1,3−Diphenylguanidine
Estriol
Dutasteride
Penconazole
Triphenyl phosphate
Propofol
Vinclozolin
Azoxystrobin
Testosterone
5,5−Diphenylhydantoin
Haloperidol
Pamidronic acid
Prothioconazole
Verapamil
Triamterene
Camptothecin
Retinoic acid
Clospyralid
Metyrapone
Propiconazole
atrazine (ATZ)
Rotenone
Clotrimazole
Perfluorohexanoic acid
Sulisobenzone
Pentamidine
Carbendazim
Bisphenol AF
Pregnenolone 16alpha−carbonitrile
6PPD-Q
Imazalil
Prochloraz
Diuron
Bisphenol S
Ethofumesate
Myclobutanil
1−methylimidazole
1,2−dimethylimidazole
Mifepristone
Carbamazepine
Thiadimethoxam
1−Vinylimidazole
Clofibric acid
Lidocaine
Niflumic acid
Fipronil
5alpha−Dihydrotestosterone
Linuron
Diphenylamine
Estrone
Etaconazole
Fenbuconazole
Lenvatinib
HC yellow 13
Phenacetin
Difenoconazole
6PPD
Finasteride
Irbesartan
Chlorantraniliprole
Rosiglitazone
Tetrabromobisphenol A
Sorafenib
Hydroxyzine
Cyproconazole
Fenitrothion
Adefovir dipivoxil
17beta−Trenbolone
N,N′−methyleneacrylamide
Acrylamide
Methacrylamide
Tramadol
Diclofenac
Tenofovir
Furosemide
DEET
Bisphenol Z
PCB28
Aspartame
Amoxicillin
Fluoxetine (Fluoxetine Hydrochloride)
Azithromycin
N,N−Dimethylacetamide
Imidacloprid
2,6−dichlorobenzamide
Ampicillin (trihydrate)
Ciprofloxacin
Ethylparaben
Propiconazole
Sprironolactone
1,3−Diphenylguanidine
Estriol
Dutasteride
Penconazole
Triphenyl phosphate
Propofol
Vinclozolin
Azoxystrobin
Testosterone
5,5−Diphenylhydantoin
Haloperidol
Pamidronic acid
Prothioconazole
Verapamil
Triamterene
Camptothecin
Retinoic acid
Clospyralid
Metyrapone
Propiconazole
atrazine (ATZ)
Rotenone
Clotrimazole
Perfluorohexanoic acid
Sulisobenzone
Pentamidine
Carbendazim
Bisphenol AF
Pregnenolone 16alpha−carbonitrile
6PPD-Q
Imazalil
Prochloraz
Diuron
Bisphenol S
Ethofumesate
Myclobutanil
1−methylimidazole
1,2−dimethylimidazole
Mifepristone
Carbamazepine
Thiadimethoxam
1−Vinylimidazole
Clofibric acid
Lidocaine
Niflumic acid
Fipronil
5alpha−Dihydrotestosterone
Linuron
Diphenylamine
Estrone
Etaconazole
Fenbuconazole
Lenvatinib
HC yellow 13
Phenacetin
Difenoconazole
6PPD

CElegans
Daphnia
Drosophila
Danio
Xenopus
HepG2

DEGs scaled
1.00
0.75
0.50
0.25
0.00