**Supplemental Table.** Medications Categorized as “High” for the Purpose of Training Supervised Learning Models, by Data Source

**Teratogen Information System (TERIS) (n=82)**

Acenocoumarol

Acitretin

Alcohol

Aminopterin

Amiodarone

Candesartan

Captopril

Carbamazepine

Cigarette Smoking (Tobacco)

Cocaine

Colchicine

Cytarabine

Cytomegalovirus

Danazol

Daunorubicin

Demeclocycline

Dicumarol

Diethylstilbestrol

Enalapril

Eprosartan

Ethotoin

Ethylene Oxide

Etretinate

Fluconazole

Herpes Simplex Virus

Human Immunodeficiency Virus

Hydrocodone

Iodine-131

Irbesartan

Isotretinoin

Kanamycin

Lamivudine

Lisinopril

Lithium

Losartan

Lymphocytic Choriomeningitis Virus (Lcmv)

Mechlorethamine

Mephenytoin

Mercaptopurine

Methamphetamine

Methimazole

Methionine

Methotrexate

Methylene Blue

Methylmercury

Methyltestosterone

Misoprostol

Mycophenolate Mofetil

Norethindrone

Obesity

Olmesartan

Oxytetracycline

Parvovirus B19

Penicillamine

Phenobarbital

Phenprocoumon

Phenytoin / Fosphenytoin

Prednisone / Prednisolone

Primidone

Propylthiouracil

Quinine

Rubella Virus

Sodium Tetradecyl Sulfate

Streptomycin

Sulfamethoxazole / Trimethoprim

Tasosartan

Telmisartan

Testosterone

Tetracycline

Thalidomide

Toluene

Topiramate

Toxoplasmosis

Trimethadione / Paramethadione

Tuberculosis

Valproic Acid

Valsartan

Varicella-Zoster Virus

Vinblastine

Warfarin

Zidovudine

Zika Virus

**Briggs’ and Freeman (n=302)**

Abiraterone Acetate

Acamprosate

Acitretin

Alfentanil

Aliskiren

Alprazolam

Ambrisentan

Amiodarone

Amoxicillin

Amphetamine

Ampicillin

Arnica

Asparaginase

Aspirin

Atenolol

Atorvastatin

Axitinib

Azathioprine

Azilsartan

Belatacept

Benazepril

Bendamustine

Benzphetamine

Benzyl Alcohol

Betaxolol

Bexarotene

Bisoprolol

Bleomycin

Blue Cohosh

Boceprevir

Bortezomib

Bosutinib

Bromides

Busulfan

Butorphanol

Cabozantinib

Candesartan Cilexetil

Captopril

Carboplatin

Carboprost

Carfilzomib

Carmustine

Carteolol

Carvedilol

Castor Oil

Celecoxib

Chenodiol

Chlorambucil

Chlordiazepoxide

Chlorpropamide

Cigarette Smoking

Ciguatoxin

Cisplatin

Citalopram

Cladribine

Clobazam

Clomiphene

Clomipramine

Clorazepate

Cocaine

Codeine

Coumarin Derivatives

Crizotinib

Cyclophosphamide

Cytarabine

Dacarbazine

Dactinomycin

Danazol

Dasatinib

Daunorubicin

Denosumab

Desvenlafaxine

Diazepam

Diazoxide

Diclofenac

Diethylstilbestrol

Diflunisal

Dihydroergotamine

Dinoprostone

Disopyramide

Doxorubicin

Duloxetine

Ecstasy

Edrophonium

Electricity

Enalapril

Enzalutamide

Epinephrine

Epirubicin

Eprosartan

Ergotamine

Eribulin

Escitalopram

Estazolam

Estradiol

Estrogens, Conjugated

Ethanol

Ethinyl Estradiol

Ethosuximide

Etodolac

Etoposide

Etretinate

Exemestane

Fenoprofen

Fentanyl

Feverfew

Fingolimod

Floxuridine

Fluconazole

Flucytosine

Fluorouracil

Fluoxetine

Fluoxymesterone

Fluphenazine

Flurbiprofen

Fluvastatin

Fluvoxamine

Fosinopril

Gemcitabine

Goldenseal

Golimumab

Heroin

Hydralazine

Hydrocodone

Hydrocortisone

Hydromorphone

Hydroxyprogesterone

Ibuprofen

Ifosfamide

Imatinib

Indomethacin

Infliximab

Ioflupane Iodine123

Ipilimumab

Irbesartan

Isotretinoin

Kanamycin

Ketoprofen

Ketorolac

Lapatinib

Leflunomide

Lenalidomide

Letrozole

Leuprolide

Levorphanol

Lisdexamfetamine

Lisinopril

Lithium

Lomitapide

Lorazepam

Lorcaserin

Losartan

Lovastatin

Lysergic Acid Diethylamide

Marijuana

Mechlorethamine

Meclofenamate

Medroxyprogesterone

Mefenamic Acid

Meloxicam

Melphalan

Meperidine

Mercaptopurine

Mestranol

Methadone

Methimazole

Methotrexate

Methoxsalen

Methylene Blue

Methylergonovine Maleate

Metoprolol

Mifepristone

Miglustat

Milnacipran

Misoprostol

Mitomycin

Mitoxantrone

Moexipril

Mycophenolate

Nabumetone

Nadolol

Nalbuphine

Naproxen

Nebivolol

Nicotine Replacement Therapy

Nilotinib

Nitrofurantoin

Nitroprusside

Nitrous Oxide

Nonoxynol-9/Octoxynol-9

Norepinephrine

Norethindrone

Olmesartan

Omacetaxine

Opium

Oral Contraceptives

Oxaliplatin

Oxaprozin

Oxazepam

Oxycodone

Oxymorphone

Para-Aminosalicylic Acid

Paregoric

Paroxetine

Pazopanib

Pemetrexed

Penbutolol

Penicillamine

Pentazocine

Perindopril

Pertuzumab

Peyote

Phencyclidine

Phendimetrazine

Phenobarbital

Phentermine

Phenylephrine

Pindolol

Piroxicam

Pitavastatin

Podofilox

Podophyllum

Ponatinib

Potassium Iodide

Pralatrexate

Pravastatin

Prednisone

Primaquine

Primidone

Procarbazine

Propranolol

Pseudoephedrine

Quazepam

Quinapril

Quinine

Raloxifene

Ramipril

Regorafenib

Remifentanil

Ribavirin

Romidepsin

Rosuvastatin

Ruxolitinib

Sertraline

Simvastatin

Sodium Iodide 131i

Sorafenib

Sotalol

Streptomycin

Sufentanil

Sulconazole

Sulfonamides

Sulindac

Sunitinib

Tamoxifen

Tazarotene

Telaprevir

Telmisartan

Temsirolimus

Teniposide

Teriflunomide

Terpin Hydrate

Tesamorelin

Testosterone

Tetracycline

Thalidomide

Thioguanine

Thiotepa

Tigecycline

Timolol

Tofacitinib

Tolazamide

Tolbutamide

Tolmetin

Topiramate

Tramadol

Trandolapril

Tretinoin (Systemic)

Triamcinolone

Triamterene

Trimethoprim

Ulipristal

Vaccine, Adenovirus Type 4 And Type 7, Live

Vaccine, Measles

Vaccine, Mumps

Vaccine, Rubella

Vaccine, Smallpox

Vaccine, Tc-83 Venezuelan Equine Encephalitis

Vaccine, Varicella Virus

Valproic Acid

Valsartan

Vandetanib

Vemurafenib

Venlafaxine

Vilazodone

Vinblastine

Vincristine

Vismodegib

Vitamin A

Ziv-Aflibercept

Zolpidem

Zonisamide

**Drug Product Labels (n=314)**

Abiraterone Acetate

Acetohydroxamic Acid

Acitretin

Aliskiren Hemifumarate

Alitretinoin

Alprazolam

Altretamine

Ambrisentan

Amikacin Sulfate

Amiodarone Hydrochloride

Amlobenz

Amlodipine Benazepril Hydrochloride

Amlodipine Besylate Valsartan Hydrochlorothiazide

Amobarbital Sodium

Anastrozole

Atenolol

Atorvastatin

Atorvastatin Calcium

Atorvastatin Calcium Propylene Glycol Solvate

Atorvastatin Calcium Trihydrate

Axitinib

Azathioprine

Azathioprine Sodium

Azilsartan Kamedoxomil

Belinostat

Benaphetamine

Benazepril

Benazepril Hcl

Benazepril Hydrochloride

Bendamustine Hydrochloride

Benzphetamine

Benzphetamine Hydrochloride

Benzphetamine Hydrochloride Tablets

Bexarotene

Bicalutamide

Bleomycin

Bleomycin Sulfate

Boceprevir

Bortezomib

Bosentan

Bosutinib Monohydrate

Busulfan

Butabarbital Sodium

Cabazitaxel

Candesartan

Candesartan Cilexetil

Capecitabine

Captopril

Captorpil

Carbamazepine

Carboplatin

Carboplatin Injection

Carmustine

Celebrex

Celecoxib

Ceritinib

Cetrorelix Acetate

Chenodiol

Chlorambucil

Choriogonadotropin Alfa

Cisplatin

Cladribine

Clofarabine

Clomiphene Citrate

Clonazepam

Cyclophosphamide

Cytarabine

Dactinomycin

Danazol

Dasatinib

Daunorubicin Hydrochloride

Decitabine

Deferiprone

Degarelix

Demeclocycline

Demeclocycline Hydrochloride

Denosumab

Dexrazoxane

Diazepam

Dihydroergotamine Mesylate

Divalproex Sodium

Divalproex Sodium Delayed Release

Divalproex Sodium Extended Release

Docetaxel

Docetaxel Anhydrous

Doxorubicin Hydrochloride

Doxycycline

Doxycycline Hyclate

Doxycycline Monohydrate

Doxycyline Hyclate

Dronedarone

Dutasteride

Efavirenz

Enalapril Maleate

Epirubicin Hydrochloride

Eprosartan Mesylate

Ergotamine Tartrate

Erlotinib Hydrochloride

Estazolam

Estradiol

Estradiol Transdermal System

Estropipate

Ethotoin

Etoposide

Exemestane

Extended Phenytoin Sodium

Fenoprofen

Finasteride

Floxuridine

Fluconazole

Fludarabine Phosphate

Fluorouracil

Fluoxymesterone

Flutamide

Fluvastatin

Fluvastatin Sodium

Follitropin

Follitropin Alfa

Folltropin Alfa

Fosinopril

Fosinopril Sodium

Fosphenytoin

Fosphenytoin Sodium

Gemcitabine

Gemcitabine Hydrochloride

Gentamicin

Gentamicin Sulfate

Gonadotrophin, Chorionic

Goserelin Acetate

Griseofulvin

Histrelin Acetate

Hydroflumenthiazide

Hydroxyurea

Ibritumomab Tiuxetan

Idarubicin Hydrochloride

Idelalisib

Ifosfamide

Imatinib Mesylate

Interferon Alfa-2b

Irbesartan

Irinotecan Hydrochloride

Isotretinoin

Ixabepilone

Kanamycin

Lapatinib

Leflunomide

Lenalidomide

Letrozole

Leuprolide Acetate

Liraglutide

Lisinopril

Lithium Carbonate

Lithium Hydroxide Monohydrate

Lomitapide Mesylate

Lorazepam

Lorcaserin Hydrochloride Hemihydrate

Losartan Potassium

Losartan Potassium Tablet

Losatan Potassium

Lovastatin

Macitentan

Magnesium Sulfate

Magnesium Sulfate Heptahydrate

Mechlorethamine Hydrochloride

Medroxyprogesterone Acetate

Megesterol Acetate

Megestrol Acetate

Melphalan

Melphalan Hydrochloride

Menotropins

Mephenytoin

Mercaptopurine

Methimazole

Methotrexate

Methotrexate Sodium

Methoxsalen

Methylene Blue

Methyltestosterone

Methysergide Maleate

Midazolam

Midazolam Hydrochloride

Mifepristone

Miltefosine

Minocycline

Minocycline Hydrochloride

Misoprostol

Mitomycin

Mitoxantrone

Mitoxantrone Hydrochloride

Moexipril Hydrochloride

Mycophenilic Acid

Mycophenolate Mofetil

Mycophenolic Acid

Nafarelin Acetate

Nandrolone Decanoate

Nelarabine

Neomycin Sulfate

Nicotine

Nilotinib

Norethindrone

Norethindrone Acetate

Olaparib

Olmesartan Medoxomil

Olmesartan Medoxomil-Hydrochlorothiazide

Omacetaxine Mepesuccinate

Orlistat

Ospemifene

Oxaliplatin

Oxandrolone

Oxymetholone

Paclitaxel

Pamidronate Disodium

Paroxetine

Paroxetine Hydrochloride

Paroxetine Hydrochloride Anhydrous

Paroxetine Hydrochloride Hemihydrate

Paroxetine Mesylate

Pazopanib Hydrochloride

Peginterferon Alfa-2a

Peginterferon Alfa-2b

Pemetrexed Disodium

Penicillamine

Pentobarbital Sodium

Pentostatin

Perindopril Erbumine

Phendimetrazine Tartrate

Phenobarbital

Phenobarbital Sodium

Phentermine Hcl

Phentermine Hydrochloride

Phentermine Resin

Phenytoin

Phenytoin Sodium

Piroxicam

Plerixafor

Polifeprosan 20 With Carmustine Implant

Potassium Iodide

Pralatrexate

Pravastatin Sodium

Prednisolone

Prednisolone Acetate

Prednisolone Sodium Phosphate

Prednisone

Procarbazine Hydrochloride

Propylthiouracil

Purixan

Quinapril

Quinapril Hydrochloride

Radium Ra 223 Dichloride

Raloxifene

Raloxifene Hydrochloride

Ramipril

Ribavirin

Riociguat

Romidepsin

Rosuvastatin Calcium

Samarium Sm 153 Lexidronam

Secobarbital Sodium

Simvastatin

Sodium Iodide I 131

Sofosbuvir

Sorafenib

Streptomycin

Streptozocin

Strontium Chloride Sr-89

Sunitinib Malate

Tamoxifen Citrate

Tazarotene

Telmisartan

Temazepam

Temozolomide

Temsirolimus

Teniposide

Tesamorelin

Testosterone

Testosterone Cypionate

Testosterone Enanthate

Testosterone Undecanoate

Tetracycline Hcl

Tetracycline Hydrochloride

Thalidomide

Thioguanine

Thiotepa

Tigecycline

Tobramycin

Tobramycin Sulfate

Topiramate

Topiramate Tablet

Topotecan

Topotecan Hydrochloride

Toremifene Citrate

Trandolapril

Trandolapril Tablets

Tretinoin

Triamcinolone Acetonide

Triazolam

Trimetrexate Glucuronate

Triptorelin Pamoate

Ulipristal Acetate

Urofollitropin

Valproate Sodium

Valproic Acid

Valsartan

Vandetanib

Vinblastine Sulfate

Vincristine Sulfate

Vinorelbine

Vinorelbine Tartrate

Vitamin A Palmitate

Voriconazole

Vorinostat

Warfarin

Warfarin Sodium

Zoledronic Acid