

Prediction of Premature Termination Codon Suppressing Compounds for Treatment of Duchenne Muscular Dystrophy using Machine Learning

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Supplemental Table S1. Drugs selected by Pharmacophore-based, ML-based and DL-based search in the FDA-approved drugs database

Pharmacophore	WEKA	TF
1-Palmitoyl-2-oleoyl-sn-glycero-3-(phospho-rac-(1-glycerol))	5-O-phosphono-alpha-D-ribofuranosyl diphosphate	Acarbose
Amikacin	Acetylcarnitine	Acetarsol
Arbutamine	Acetylcholine	Adenosine
		Aldehydo-N-Acetyl-D-Glucosamine
Benserazide	Acyclovir	Alendronic acid
Bisoprolol	Adefovir dipivoxil	Alginate acid
Brivudine	Alfentanil	alpha-Arbutin
Cefamandole	Alitretinoin	Amikacin
Cefdinir	Azithromycin	Amiloride
Cefixime	Balsalazide	Arbutin
Cefonicid	Bethanechol	Ascorbic acid calcium salt
Ceforanide	Bicalutamide	Auranofin
Cefotetan	Calcium glubionate	Azacitidine
Ceftibuten	Cangrelor	Benserazide
Ceftolozane	Capecitabine	Besifloxacin
Cerivastatin	Carbamoylcholine	beta-L-fructofuranose
Chlortetracycline	Carisoprodol	Bictegravir
Cilastatin	Chlorobutanol	Bismuth subgallate
Citicoline	Cidofovir	Bleomycin
Cladribine	Clodronic acid	Bortezomib
Clarithromycin	Colistimethate	Bromotheophylline
Clindamycin	Cyclandelate	Calcium threonate
Clofarabine	Dexpanthenol	Capecitabine
Cromoglicic acid	Edoxudine	Capreomycin
Demeclocycline	Elbasvir	Carbidopa
Diaminopropanol tetraacetic acid	Erdosteine	Carbocisteine
Diazolidinylurea	Ethchlorvynol	Carboplatin
Dibekacin	Ethinamate	Cefotetan
Dinoprostone	Famotidine	

Dipyridamole	Fidaxomicin	Chlormerodrin
Doripenem	Flavin adenine dinucleotide	Chlortetracycline
Doxycycline	Flurandrenolide	cis-Platin
Eliglustat	Fluticasone	Clofarabine
Eluxadoline	Fondaparinux	Crisaborole
Empagliflozin	Fosaprepitant	Cytarabine
Eribulin	Fostamatinib	Dacarbazine
Ertapenem	Gabapentin enacarbil	Danthron
Erythromycin	Gemifloxacin	Decitabine
Esculin	Glecaprevir	Delafloxacin
Fenoterol	Gluconic Acid	Demeclocycline
Flavin mononucleotide	Glycine betaine	Desflurane
Framycetin	Hexetidine	Deslanoside
Gadobenate	Hyaluronic acid	Dexpanthenol
Gadopentetic acid	Hydroxyethyl cellulose	Dextrothyroxine
Gentamicin	Idoxuridine	D-glucose
Gluconic acid	Imidurea	Diazolidinyurea
Ibandronate	Inulin	Dibekacin
Kanamycin	Isavuconazole	Diflorasone
Lactulose	Isotretinoin	Diflunisal
Latamoxef	Lamivudine	Dihydralazine
L-Cysteine	Leflunomide	Diosmin
		Dipentamethylenethiuram
Lincomycin	Levocarnitine	disulfide
Lisinopril	Linagliptin	Disulfiram
Lymecycline	Lynestrenol	Ditiocarb Zinc
Mangafodipir	Medronic acid	Dopamine
Mannitol busulfan	Memantine	Doxorubicin
Menadiol diphosphate	Methacholine	Doxycycline
Methacycline	Methenamine	Droxidopa
Micronomicin	Methohexital	Edetic Acid
Mitoxantrone	Methylchloroisothiazolinone	Eflornithine
Moxifloxacin	Methylprednisone	Emtricitabine
Nadolol	Mupirocin	Epirubicin
Nelarabine	Nizatidine	Eravacycline
Netilmicin	Norgestrel	Esculin
Pantethine	Novobiocin	Ferrostrene
Pemetrexed	Nystatin	Floxuridine
Pentostatin	Opicapone	Fludarabine
Peramivir	Oritavancin	Fludeoxyglucose
Plerixafor	Pamidronic acid	Flumethasone
Pravastatin	Pantothenic acid	Framycetin
Protokylol	Pargyline	Gadobutrol

Regadenoson	Pentafluoropropane	Gadodiamide
Riboflavin	Pentobarbital	Galactose
Ribostamycin	Pentosan Polysulfate	Gaxilose
Rifabutin	Permethrin	Gemcitabine
Rolitetracline	Pibrentasvir	Gemifloxacin
Rosuvastatin	Plicamycin	Gentamicin
Rutin	Polythiazide	Gluconolactone
Sarecycline	Pralatrexate	Glucosamine
Somatostatin	Pyrophosphoric acid	Glycol salicylate
Sorbitol	Ranitidine	Hesperidin
Spectinomycin	Rivaroxaban	Hyaluronan
Steviolbioside	Roxithromycin	Hydrogen peroxide
Streptozocin	Saxagliptin	Imidazolidinyl Urea
Sulfoxone	Selegiline	Imipenem
Temocillin	Semaglutide	Inositol
Tetracycline	Sevoflurane	Iohexol
Tezacaftor	Sitagliptin	Iomeprol
Tobramycin	Sofosbuvir	Iopamidol
Travoprost	Stavudine	Iotalamic Acid
Unoprostone	Stiripentol	Ioversol
Valganciclovir	Sugammadex	Ioxitalamic acid
Valrubicin	Sulfasalazine	Isoprinosine
Vilanterol	Sultamicillin	Isosorbide mononitrate
Zanamivir	Tacrolimus	Ixazomib
	Taurolidine	Kanamycin
	Telavancin	Lactose
	Telbivudine	Lactulose
	Terbinafine	L-Ascorbic Acid
	Tesamorelin	L-Cysteine
	Thiopental	Levodopa
	Ticagrelor	Levonordefrin
	Tioconazole	Levothyroxine
	Tretinoin	Lincomycin
	Triclofos	Liothyronine
	Troleandomycin	Liotrix
	Trypan blue free acid	L-Lysine
	Valaciclovir	Lodoxamide
	Vancomycin	Lymecycline
	Vildagliptin	Magnesium
	Vitamin A	Magnesium ascorbate
	Voriconazole	Mannitol
	Xanthinol	Methacycline
	Zalcitabine	Methyldopa

Zidovudine	Micronomicin
Paromomycin	Miglitol
Lactose	Miglustat
Sucrose	Minocycline
Gaxilose	Mithramycin
Gemcitabine	Nedaplatin
Fludarabine	Nelarabine
Delafloxacin	Netilmicin
Eflornithine	Niacinamide ascorbate
Azacididine	Nitroferricyanide
Cytarabine	Norepinephrine
Streptomycin	Omadacycline
Alginic acid	Ouabain
Emtricitabine	Oxaliplatin
Trifluridine	Oxidronic acid
Plazomicin	Oxytetracycline
Bleomycin	Paromomycin
Hesperidin	Perboric acid
Diosmin	Perflubutane
Floxuridine	Perflutren
Epirubicin	Plazomicin
Doxorubicin	Plecanatide
Gadobutrol	Prussian Blue
Bictegravir	Ramidronic Acid
Amiloride	Regadenoson
Temozolomide	Ribavirin
Decitabine	Riboflavin
Deslanoside	Ribostamycin
Teriflunomide	Risedronic acid
Cilastatin	Rutin
Citicoline	Sapropterin
Cladribine	Sarecycline
Clindamycin	Selenomethionine
Erythromycin	Sodium ascorbate
Ibandronate	Sodium aurothiomalate
Temocillin	Sorbitol
Tezacaftor	Sparfloxacin
Valganciclovir	Spectinomycin
Amikacin	Steviolbioside
Diazolidinylurea	Streptomycin
Dibekacin	Streptozocin
Framycetin	Sucralfat
Gentamicin	Sucrose

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Streptozocin
Tobramycin

Tavaborole
Tegafur
Tegafur-uracil
Temozolomide
Teriflunomide
Tetracycline
Thimerosal
Thiram
Titanium dioxide
Tobramycin
Triamcinolone
Trifluridine
Triflusal
Trovafloxacin
Vaborbactam
Vidarabine
Viomycin
Xylose
Zanamivir
Zoledronic Acid
