Drug	Targeted genes	Correlation	P-value	Drug description	FDA status	Associated conditions
Nelarabine	MYB	0.586592	8.43x10 ⁻⁷	Nelarabine is an antineoplastic agent that is typically employed to treat acute T-cell lymphoblastic leukemia. Nelarabine is a purine nucleoside analog converted to its	l a S e Investigational	Lymphoblastic lymphoma (precursor T-lymphoblastic lymphoma/leukemia) refractory, refractory acute lymphoblastic leukemia
	HES1	0.36046	0.004667			
	SLC11A2	0.305285	0.017696			
	HILPDA	0.304768	0.017899	corresponding arabinosylguanine nucleotide		
	YWHAE	0.276272	0.032618	triphosphate (araGTP), resulting in inhibition of DNA synthesis and cytotoxicity.		
Tamoxifen	CD44	-0.4532	0.000277	Tamoxifen is a non-steroidal antiestrogen used to treat estrogen receptor-positive breast cancers as well as to prevent the incidence of breast cancer in high-risk populations.	Approved	Breast cancer, desmoid tumors, endometrial cancer, gynecomastia, invasive breast cancer, invasive breast, carcinoma, metastatic breast cancer, ovarian cancer, precocious puberty
	MYB	0.394692	0.001804			
	DBN1	-0.33686	0.008492			
	HILPDA	0.302482	0.018822			
Dolastatin 10	DBN1	-0.42089	0.000812	Dolastatin 10 has been used in trials studying the treatment of sarcoma, leukemia, lymphoma, liver cancer, and kidney cancer, among others.	Investigational	NA
	MYB	0.30043	0.019683			
	YWHAE	-0.27034	0.036699			
	HSPB1	-0.26259	0.042664			
	CD44	-0.26043	0.044462			
Nitrogen mustard	МҮВ	0.35644	0.005184	A vesicant and necrotizing irritant destructive to mucous membranes, mechlorethamine is an alkylating drug.	Approved, Investigational	Bronchogenic carcinoma, chronic lymphocytic leukemia, Hodgkin's disease, diffuse lymphoma, MF, polycythemia vera, stage I MF, malignant effusion
	HILPDA	0.285058	0.02727			
	CD44	-0.27682	0.032259			

Table SV. Pearson correlation coefficient of the NCI-60 drug z-scores with gene expression and detailed information of the drugs.

	IFNG	0.260499	0.044408			
Perifosine	МҮВ	0.332973	0.009334			
	HSPB1	-0.27363	0.034385	Perifosine is a novel alkylphospholipid with	Turrenting	NT A
	HILPDA	0.270237	0.036776	- antiproliferative properties attributed to protein kinase B inhibition.	Investigational	NA
	DBN1	-0.25891	0.045769			
Chelerythrine	MYB	0.656769	1.21x10 ⁻⁸			
	HSPB1	-0.3594	0.004799	_	_	_
	HILPDA	0.322057	0.012093			
	SLC11A2	0.286525	0.026454			
SR16157	CD44	-0.44115	0.000419			
	HILPDA	0.319575	0.012811			
	HSPB1	0.294701	0.022269	-	-	-
	МҮВ	0.25906	0.045638			

FDA, Food and Drug Administration; MF, mycosis fungoides; NA, not available; -, no documentation is available about this drug.