

S3 table

Colorectal cancer	SLEM	COLO 205	HCC-2998	HCT-116	HCT-15	HT29	KM12	SW-620	DLD-1	KM20L2
paclitaxel	12.50	-7.98	-8.33	-8.33	-6.12	-8.88	-8.04	-8.59	-7.33	NA
docetaxel	12.10	-8.00	-8.00	-8.00	-7.31	-8.00	-8.00	-8.00	-8.00	NA
vinorelbine tartrate	11.50	-8.00	-7.96	-8.00	-6.85	-8.00	-8.00	-8.00	NA	NA
triptorelin pamoate	11.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
everolimus	11.40	-4.91	-5.35	-5.47	-7.94	-5.59	-5.93	-5.07	NA	NA
thioguanine	5.60	-5.63	NA	-6.23	-5.60	-5.93	-5.49	-5.44	NA	NA
fluorouracil	5.00	-5.697	-6.538	-5.459	-5.388	-5.433	-5.366	-4.932	NA	NA
dacarbazine	4.90	-4.10	-4.34	-4.41	-4.02	-4.05	-4.02	-4.25	-4.24	-4.26
thiotepa	4.40	-4.63	-4.65	-4.67	-4.37	-4.62	-4.57	-4.76	-4.48	-4.524
mechlorethamine hydrochloride	3.90	-5.71	-5.56	-5.58	-5.67	-5.64	-4.95	-5.99	NA	NA
Renal cell carcinoma	SLEM	786-0	A498	ACHN	CAKI-1	RXF 393	SN12C	TK-10	UO-31	
paclitaxel	14.20	-7.216	-6.993	-5.51	-6.502	-7.573	-7.511	-6.793	-5.905	
vinorelbine tartrate	14.10	-7.689	-8	-6.713	-6.934	-8	-7.67	-6.193	-5.993	
everolimus	13.60	-8	-8	-8	-6.841	-8	-5.739	-8	-8	
eribulin mesylate	13.30	NA	NA	NA	NA	NA	NA	NA	NA	
docetaxel	13.10	-8	-7.07	-6.229	-7.38	-6.616	-8	-6.647	-6.053	
thioguanine	5.70	-5.839	-4.611	-5.394	-6.463	-6.324	-5.077	-6.266	-6.085	
fluorouracil	5.10	-4.451	-5.318	-5.195	-5.57	-4.587	-5.149	-4	-5.439	
dacarbazine	4.20	-4.053	-4.14	-4.488	-4.716	-4.084	-4.102	-4.366	-4.503	
thiotepa	4.20	-5.273	-4.61	-5.47	-5.216	-4.726	-5.296	-4.352	-4.741	
mechlorethamine hydrochloride	4.00	-5.82	-5.034	-6.399	-6.968	-5.697	-5.185	-4.949	-5.679	
Glioma	SLEM	SF-268	SF-295	SF-539	SNB-19	SNB-75	U251	XF 498	SNB-78	
docetaxel	14.50	-8	-7.969	-8	-4.365	-8	-8	-8	NA	
midostaurin	13.40	-6.52	-6.244	-6.895	-6.053	-7.298	-6.194	NA	NA	
paclitaxel	13.20	-7.207	-7.322	-7.895	-7.527	-8.266	-8.005	-8.29	NA	
everolimus	12.90	-6.57	-8	-8	-6.594	-8	-7.968	NA	NA	
vinorelbine tartrate	12.80	-8	-8	-8	-8	-8	-8	NA	NA	
thioguanine	5.50	-5.933	-5.906	-6.218	-4.051	-5.983	-5	NA	NA	
fluorouracil	5.35	-5.143	-5.191	-6.201	-4.677	-5.285	-4.892	NA	NA	
dacarbazine	5.50	-4.195	-4.258	-4.174	-4.004	-4.443	-4.027	-4.645	-4.205	
thiotepa	4.56	-5.062	-5.169	-4.944	-4.733	-4.691	-5.052	-4.881	-4.337	
mechlorethamine hydrochloride	4.22	-5.833	NA	-5.913	-4.341	-5.743	-5.344	NA	NA	
Prostate cancer	SLEM	PC-3	DU-145							
docetaxel	12.80	-8	-8							
paclitaxel	12.50	-8.032	-7.667							

triptorelin pamoate	12.20	NA	NA
vinorelbine tartrate	12.10	-8	-8
everolimus	12.00	-8	-7.02
thioguanine	5.40	-5.475	-6.269
fluorouracil	5.30	-4.352	-5.547
dacarbazine	5.30	-4.016	-4.143
thiotepa	4.70	NA	NA
mechlorethamine hydrochloride	4.20	-5.182	-5.783

Melanoma	SLEM	LOX IMVI	MALME-3M	M14	MDA-MB-435	SK-MEL-2	SK-MEL-28	SK-MEL-5	UACC-257	UACC-62
paclitaxel	12.40	-8.939	-6.231	-8.078	-8.339	-9.034	-6.133	-7.66	-6.771	-8.032
docetaxel	12.30	-7.233	NA	-8	-8	-7.148	-6.379	-8	-6.342	-8
everolimus	11.80	-8	-8	-5.506	-7.479	-6.53	-4.946	-5.756	-5.231	-6.467
triptorelin pamoate	11.60	NA	NA	NA	NA	NA	NA	NA	NA	NA
eribulin mesylate	11.40	NA	NA	NA	NA	NA	NA	NA	NA	NA
vinorelbine tartrate	11.40	-8	-8	-7.989	-8	-6.139	-8	-8	NA	-8
		MDA-N	M19-MEL							
		-8.712	NA							
		NA	NA							
		NA	NA							
		NA	NA							
		NA	NA							

Melanoma	SLEM	LOX IMVI	MALME-3M	M14	MDA-MB-435	SK-MEL-2	SK-MEL-28	SK-MEL-5	UACC-257	UACC-62
thioguanine	5.30	NA	-5.504	-6.169	-6.258	-5.77	-5.217	-5.571	-5.226	-6.425
fluorouracil	5.00	-5.523	-5.205	-5.169	-5.646	-4.575	-5.223	-5.389	-4.653	-5.308
dacarbazine	5.00	-4.927	-4.363	-4.568	-4.504	-5.004	-4.064	-4.118	-4.298	-4.446
thiotepa	4.50	-5.146	-4.801	-4.896	NA	-4.526	-4.459	-4.702	-4.538	-5.632
mechlorethamine hydrochloride	4.30	-5.652	-6.238	-5.102	-4.907	-4.635	-4.931	NA	-4.832	-5.073
		MDA-N	M19-MEL							
		NA	NA							
		-4.065	-4.166							
		NA	-4.59							
		-4.867	NA							
		NA	NA							

Chronic myeloid leukemia	SLEM	CCRF-CEM	HL-60(TB)	K-562	MOLT-4	RPMI-8226	SR
everolimus	13.10	-6.775	-5.064	-5.618	-6.977	-8	-8
vinorelbine tartrate	12.80	-8	-8	-8	-8	-8	-8
triptorelin pamoate	12.40	NA	NA	NA	NA	NA	NA

docetaxel	12.30	-8	-7.2	-8	-7.2	-8	-8
paclitaxel	12.20	-8.319	-8.083	-8.188	-8.129	-8.559	-7.362
temsirolimus	12.20	-8	-5.565	-7.643	-8	-7.607	-8
thioguanine	5.30	-6.503	NA	-4	NA	-5.886	-6.231
fluorouracil	4.80	NA	-4.025	NA	-5.204	NA	-5.9
dacarbazine	5.20	-4.934	-4.819	-4.756	-4.678	-4.714	-4.723
thiotepa	4.10	-5.677	-6.026	-4.61	-5.898	-4.554	-6.26
mechlorethamine hydrochloride	3.90	-6.454	-6.399	-4.88	-6.224	-5.902	NA

Acute myeloid leukemia	SLEM	CCRF-CEM	HL-60(TB)	K-562	MOLT-4	RPMI-8226	SR
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docetaxel	12.60	-8	-7.2	-8	-7.2	-8	-8
paclitaxel	12.50	-8.319	-8.083	-8.188	-8.129	-8.559	-7.362
triptorelin pamoate	12.20	NA	NA	NA	NA	NA	NA
everolimus	11.80	-6.775	-5.064	-5.618	-6.977	-8	-8
vinorelbine tartrate	11.40	-8	-8	-8	-8	-8	-8
thioguanine	5.50	-6.503	NA	-4	NA	-5.886	-6.231
fluorouracil	5.70	NA	-4.025	NA	-5.204	NA	-5.9
dacarbazine	5.10	-4.934	-4.819	-4.756	-4.678	-4.714	-4.723
thiotepa	4.60	-5.677	-6.026	-4.61	-5.898	-4.554	-6.26
mechlorethamine hydrochloride	4.20	-6.454	-6.399	-4.88	-6.224	-5.902	NA

Non small cell lung cancer	SLEM	A549/ATCC	EKVX	HOP-62	HOP-92	NCI-H226	NCI-H23	NCI-H322M	NCI-H460	NCI-H522
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paclitaxel	12.50	-7.98	-6.014	-7.512	-6.283	-5.976	-7.908	-8.033	-8.151	-8.387
docetaxel	12.20	-8	-5.43	-8	-5.044	-6.436	-8	-8	-8	-8
everolimus	12.00	-8	-8	-8	-7.702	-6.457	-6.488	-6.654	-6.827	-6.787
triptorelin pamoate	12.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
vinorelbine tartrate	11.40	-7.722	-8	-7.83	-7.327	-7.52	-7.729	-8	-8	-7.644
		LXFL 529	HOP-18							
		-8.449	NA							
		-8	NA							
		NA	NA							
		NA	NA							
		NA	NA							

	SLEM	A549/ATCC	EKVX	HOP-62	HOP-92	NCI-H226	NCI-H23	NCI-H322M	NCI-H460	NCI-H522
thioguanine	5.40	-5.328	-5.428	-6.143	-5.751	-5.158	-5.513	-4.623	-6.005	-5.684
fluorouracil	5.10	-5.771	-4	-5.398	-4	-4.621	-5.167	-5.01	-6.239	-4.96
dacarbazine	5.30	-4.018	-4.117	-4.599	-4.515	-4.124	-4.025	-4.022	-4.226	-4.135
thiotepa	4.60	-4.99	-4.914	-5.424	-4.599	-4.89	-5.338	-4.476	-6.23	-4.823

mechloretha-- mine hydrochloride	4.20	-5.584	-5.217	-5.204	-6.117	-5.078	-5.672	-4.708	-6.848	-6.058
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LXFL 529	HOP-18
NA	NA
NA	NA
-4.005	-4.81
-4.659	-4.382
NA	NA

Breast cancer	SLEM	MCF7	MDA-MB-231/ATCC	HS 578T	BT-549	T-47D	MDA-MB-468
everolimus	22.70	-8	-4.935	-8	-8	-8	-7.934
docetaxel	22.40	-8	-8	-8	NA	NA	NA
temsirolimus	20.90	-8	-5.581	-8	-8	-8	NA
midostaurin	20.50	-6.063	-6.704	-6.699	-6.296	-6.203	NA
paclitaxel	2.40	-8.125	-7.297	-7.745	-7.536	-6.891	-8
thioguanine	8.70	-6.262	NA	-5.159	-5.855	-6.016	NA
fluorouracil	7.70	-5.537	-4	-4	-5.136	-5.099	-5.325
dacarbazine	8.40	-4.047	-4	-4	-4	-4.035	NA
thiotepa	6.20	NA	NA	NA	NA	NA	NA
mechloretha-- mine hydrochloride	5.70	-5.758	-4.648	-6.042	-4.98	-6.016	NA

Legend:

missed prediction in vitro

NA results not available

