Table SI. Alleles of 16 short tandem repeat loci in the PE8 cell line.

Marker	Allele 1	Allele 2
D8S1179	11	13
D21S11	29	
D7S820	11	
CSF1PO	11	12
D3S1358	18	
TH01	9	9.3
D13S317	11	13
D16S539	12	13
D2S1338	17	20
D19S433	13	
vWA	14	18
TPOX	8	10
D18S51	10	12
AMELOGENIN	X	Y
D5S818	11	13
FGA	24	

Table SII. Alleles of 16 short tandem repeat loci in the PE9 cell line.

Marker	Allele 1	Allele 2
D8S1179	9	17
D21S11	30	31.2
D7S820	10	
CSF1PO	11	12
D3S1358	15	18
TH01	6	9
D13S317	8	
D16S539	9	
D2S1338	17	25
D19S433	13	14
vWA	16	17
TPOX	8	
D18S51	14	
AMELOGENIN	X	Y
D5S818	11	12
FGA	23	25

Table SIII. CI values obtained using different combinations of treatment with DZ-Nep + panobinostat.

A, CI obtained using experimental data								
Cell type	Dose (μM)		D72P72		D24P48		P24D48	
	DZ-Nep	Panobinostat	Fa	CI value	Fa	CI value	Fa	CI value
GOS-3	5	0.01	0.006	$5.940x10^{6}$	0.081	$1.863x10^{4}$	0.277	0.148
	10	0.02	0.015	$4.583x10^{3}$	0.118	$1.180x10^{3}$	0.279	0.284
	20	0.04	0.028	$1.782x10^{6}$	0.253	0.462	0.288	0.484
	40	0.08	0.138	$2.307x10^{5}$	0.295	0.720	0.351	0.372
	80	0.16	0.423	0.811	0.380	0.961	0.390	0.488
MOG-G-CCM	5	0.01	0.115	1.032	0.027	18.770	0.052	$5.266x10^{5}$
	10	0.02	0.138	1.675	0.096	3.605	0.183	0.875
	20	0.04	0.648	0.480	0.185	2.191	0.226	$1.147x10^{5}$
	40	0.08	0.756	0.658	0.270	2.074	0.260	$1.709x10^{6}$
	80	0.16	0.888	0.671	0.778	0.143	0.316	$2.241x10^{5}$
U87MG	5	0.01	0.359	0.449	0.224	7.036	0.134	63.462
	10	0.02	0.435	0.519	0.255	5.694	0.313	1.318
	20	0.04	0.533	0.525	0.285	4.958	0.315	2.558
	40	0.08	0.581	0.752	0.352	1.898	0.330	3.960
	80	0.16	0.762	0.357	0.336	5.585	0.404	2.432
LN405	5	0.01	0.007	$2.455x10^{3}$	0.005	$2.912x10^{5}$	0.042	25.343
	10	0.02	0.062	8.939	0.010	$3.533x10^{4}$	0.101	2.416
	20	0.04	0.341	0.615	0.116	2.445	0.135	1.781
	40	0.08	0.549	0.818	0.299	0.710	0.180	1.323
	80	0.16	0.707	1.239	0.520	0.831	0.272	0.650
LN405-TMZR	5	0.01	0.140	3.014	0.024	$2.700x10^{12}$	0.124	70.650
	10	0.02	0.173	3.697	0.082	$6.945x10^{4}$	0.145	50.522
	20	0.04	0.265	2.685	0.275	0.931	0.203	11.267
	40	0.08	0.288	4.340	0.290	1.271	0.257	4.533
	80	0.16	0.663	0.769	0.367	0.877	0.330	1.566
B, CI predicted by Compusyn								
Cell type	Fa		D72P72		D24P48		P24D48	
GOS-3	0.500		0.442		0.999		$2.610 x10^{5}$	
	0.750		0.033		1.621		$1.093x10^{5}$	

Table SIII. Continued.								
B, CI predicted by Compusyn								
Cell type	Fa		D72P72		D24P48		P24D48	
	0.900		0.003		2.650×10^5		4.736×10^3	
	0.950		0.000		3.702×10^5		6.146×10^4	
	0.970		0.000		3.807×10^5		3.807×10^5	
MOG-G-CCM	0.500		0.756		0.568		1.552	
	0.750		0.671		0.222		1.519	
	0.900		0.602		0.088		1.506	
	0.950		0.560		0.046		1.500	
	0.970		0.533		0.296		1.496	
U87MG	0.500		0.506		3.138		1.162	
	0.750		0.496		35.625		0.265	
	0.900		0.494		835.437		0.061	
	0.950		0.498		7.208×10^3		0.022	
	0.970		0.505		3.341×10^4		0.011	
LN405	0.500		0.886		0.733		0.275	
	0.750		0.953		0.690		0.148	
	0.900		1.041		0.651		0.087	
	0.950		1.107		0.626		0.061	
	0.970		1.156		0.608		0.047	
LN405-TMZR	0.500		1.546		0.397		0.329	
	0.750		1.351		0.189		0.069	
	0.900		1.467		0.090		0.020	
	0.950		1.640		0.054		0.009	
	0.970		1.797		0.038		0.005	

The CI is a quantitative definition of synergy, where CI <1 reflects synergy, CI >1 reflects antagonism, and CI =1 reflects an additive effect. Synergistic values (CI <0.8) are represented in green; antagonistic values (CI >1.2) are represented in red; additive values (0.8< CI <1.2) are in yellow. CI values predicted by Compusyn at 0.5, 0.75, 0.9, 0.95 and 0.97 of the different treatments are included in section B. CI, combination index; DZ-NEP, 3-deazaneplanocin A; D72P72, double simultaneous treatment of DZ-Nep with panobinostat; D24P48, pretreatment of DZ-Nep followed by post-treatment with panobinostat; P24D48, pretreatment of panobinostat followed by post-treatment with DZ-Nep; Fa, affected cellular fraction.

Table SIV. CI values obtained using different combinations of treatment with DZ-Nep + temozolomide.

A, CI obtained using experimental data								
Cell type	Dose (μM)		D72T72		D24T48		T24D48	
	DZ-Nep	Temozolomide	Fa	CI value	Fa	CI value	Fa	CI value
GOS-3	5	12.5	0.305	1.159	0.207	0.724	0.144	9.156
	10	25	0.352	1.110	0.247	0.811	0.172	5.834
	20	50	0.359	1.994	0.266	1.244	0.175	10.396
	40	100	0.377	3.059	0.276	2.211	0.232	3.180
	80	200	0.574	0.404	0.401	1.044	0.406	0.123
MOG-G-CCM	5	12.5	0.013	37.001	0.066	1.111	0.009	263.225
	10	25	0.152	0.509	0.087	1.188	0.081	2.143
	20	50	0.167	0.826	0.100	1.744	0.103	2.286
	40	100	0.181	1.379	0.143	1.532	0.116	3.309
	80	200	0.2612	1.147	0.222	1.128	0.126	5.433
U87MG	5	12.5	0.146	16.870	0.137	3.069×10^{4}	0.058	6.729×10^{3}
	10	25	0.152	24.004	0.148	1.504×10^{5}	0.058	1.345×10^{4}
	20	50	0.139	96.347	0.166	3.658×10^{5}	0.096	1.482×10^{3}
	40	100	0.124	439.205	0.177	2.067×10^{5}	0.098	2.518×10^{3}
	80	200	0.174	71.177	0.207	2.003×10^{4}	0.134	750.887
LN405	5	12.5	0.149	0.491	0.002	9.614×10^{5}	0.007	1.367×10^{4}
	10	25	0.186	0.506	0.006	4.299×10^{5}	0.014	2.704×10^{3}
	20	50	0.220	0.601	0.052	78.581	0.032	302.855
	40	100	0.263	0.666	0.059	94.157	0.155	2.445
	80	200	0.369	0.401	0.129	8.811	0.155	4.886
LN405-TMZR	5	12.5	0.300	0.497	0.201	6.482	0.100	274.911
	10	25	0.301	0.977	0.234	3.253	0.172	19.184
	20	50	0.341	1.074	0.278	1.468	0.174	35.446
	40	100	0.368	1.527	0.314	1.074	0.203	26.214
	80	200	0.398	2.203	0.340	1.125	0.209	44.196

Table SIV. Continued.								
B, CI predicted by Compusyn								
Cell type	Fa		D72T72		D24T48		T24D48	
GOS-3	0.500		1.024		2.554		0.114	
	0.750		0.648		6.686		0.030	
	0.900		0.413		17.603		0.010	
	0.950		0.304		34.046		0.005	
	0.970		0.245		54.453		0.003	
MOG-G-CCM	0.500		0.339		2.252		0.474	
	0.750		0.142		3.662		0.189	
	0.900		0.061		6.161		0.080	
	0.950		0.035		8.837		0.045	
	0.970		0.023		11.440		0.030	
U87MG	0.500		$2.500x10^{27}$		292.688		46.957	
	0.750		$1.960x10^{44}$		$3.056x10^{4}$		222.220	
	0.900		$1.555x10^{61}$		$3.192x10^{6}$		$1.232x10^{3}$	
	0.950		$4.848x10^{72}$		$7.535x10^{7}$		$3.955x10^{3}$	
	0.970		$7.290x10^{80}$		$7.147x10^{8}$		$9.069x10^{3}$	
LN405	0.500		0.526		0.220		0.098	
	0.750		0.591		0.042		0.011	
	0.900		0.708		0.008		0.001	
	0.950		0.820		0.003		0.000	
	0.970		0.917		0.001		0.000	
LN405-TMZR	0.500		10.299		0.425		5.557	
	0.750		614.326		0.130		2.720	
	0.900		$3.732x10^{4}$		0.040		1.672	
	0.950		$6.098x10^{5}$		0.018		1.241	
	0.970		$4.450x10^{6}$		0.010		1.008	

The CI is a quantitative definition of synergy, where CI <1 reflects synergy, CI >1 reflects antagonism, and CI =1 reflects an additive effect. Synergistic values (CI <0.8) are represented in green; antagonistic values (CI >1.2) are represented in red; additive values (0.8< CI <1.2) are in yellow. CI values predicted by Compusyn at 0.5, 0.75, 0.9, 0.95 and 0.97 of the different treatments are included in section B. CI, combination index; DZ-NEP, 3-deazaneplanocin A; D72T72, double simultaneous treatment of DZ-Nep with temozolomide; D24T48, pretreatment of DZ-Nep followed by post-treatment with temozolomide; T24D48, pretreatment of temozolomide followed by post-treatment with DZ-Nep; Fa, affected cellular fraction.

Table SV. CI values obtained using different combinations of treatment with panobinostat + temozolomide.

A, CI obtained using experimental data								
Cell type	Dose (μM)		P72T72		P24T48		T24P48	
	Panobinostat	Temozolomide	Fa	CI value	Fa	CI value	Fa	CI value
GOS-3	0.01	12.5	0.238	3.964	0.173	1.364	0.087	2.599
	0.02	25	0.356	1.209	0.275	0.662	0.171	0.706
	0.04	50	0.406	1.218	0.315	0.836	0.335	0.326
	0.08	100	0.593	0.206	0.372	0.932	0.394	0.481
	0.16	200	0.764	0.032	0.563	0.322	0.649	0.334
MOG-G-CCM	0.01	12.5	0.039	3.510	0.132	0.829	0.079	2.660
	0.02	25	0.041	6.694	0.266	0.452	0.100	3.550
	0.04	50	0.631	0.513	0.315	0.638	0.157	3.194
	0.08	100	0.692	0.840	0.342	1.059	0.401	0.907
	0.16	200	0.864	0.789	0.379	1.670	0.656	0.373
U87MG	0.01	12.5	0.403	0.324	0.312	0.861	0.307	0.754
	0.02	25	0.435	0.506	0.343	0.811	0.358	0.489
	0.04	50	0.533	0.496	0.387	0.773	0.514	0.088
	0.08	100	0.581	0.704	0.392	1.438	0.578	0.092
	0.16	200	0.762	0.325	0.449	1.226	0.601	0.149
LN405	0.01	12.5	0.109	0.753	0.078	1.343	0.006	781.159
	0.02	25	0.127	1.150	0.138	0.730	0.024	44.447
	0.04	50	0.375	0.597	0.151	1.168	0.174	0.861
	0.08	100	0.699	0.635	0.213	0.989	0.495	0.451
	0.16	200	0.768	1.098	0.359	0.453	0.787	0.430
LN405-TMZR	0.01	12.5	0.191	6.967	0.097	121.450	0.073	73.611
	0.02	25	0.208	7.549	0.103	182.615	0.105	31.243
	0.04	50	0.289	1.697	0.204	8.197	0.153	12.204
	0.08	100	0.532	0.510	0.211	13.527	0.375	0.578
	0.16	200	0.825	0.233	0.435	0.250	0.762	0.058
B, CI predicted by Compusyn								
Cell type	Fa		P72T72		P24T48		T24P48	
GOS-3	0.500		0.405		0.477		0.363	
	0.750		0.045		0.292		0.367	
	0.900		0.005		0.219		0.383	
	0.950		0.001		0.196		0.394	
	0.970		0.000		0.188		0.403	
MOG-G-CCM	0.500		1.042		1.682		0.709	

Table SV. Continued.								
B, CI predicted by Compusyn								
Cell type	Fa		P72T72		P24T48		T24P48	
	0.750		0.797		3.708		0.351	
	0.900		0.620		8.188		0.175	
	0.950		0.525		14.047		0.110	
	0.970		0.466		20.634		0.373	
U87MG	0.500		0.437		1.874		0.133	
	0.750		0.495		8.733		0.122	
	0.900		0.567		40.689		0.159	
	0.950		0.622		115.888		0.191	
	0.970		0.664		244.044		0.217	
LN405	0.500		0.662		0.691		0.477	
	0.750		0.932		0.288		0.410	
	0.900		1.358		0.189		0.360	
	0.950		1.759		0.144		0.331	
	0.970		2.116		0.119		0.311	
LN405-TMZR	0.500		0.425		0.182		0.242	
	0.750		0.375		0.015		0.090	
	0.900		0.334		0.002		0.038	
	0.950		0.310		0.000		0.021	
	0.970		0.293		0.000		0.014	

The CI is a quantitative definition of synergy, where CI <1 reflects synergy, CI >1 reflects antagonism, and CI =1 reflects an additive effect. Synergistic values (CI <0.8) are represented in green; antagonistic values (CI >1.2) are represented in red; additive values (0.8< CI <1.2) are in yellow. CI values predicted by Compusyn at 0.5, 0.75, 0.9, 0.95 and 0.97 of the different treatments are included in section B. CI, combination index; P72T72, double simultaneous treatment of panobinostat with temozolomide; P24T48, pretreatment of panobinostat followed by post-treatment with temozolomide; T24P48, pretreatment of temozolomide followed by post-treatment with panobinostat; Fa, affected cellular fraction.

Table SVI. CI values obtained from triple treatment with DZ-Nep + panobinostat + temozolomide.

Cell type	Dose (μM)			Experimental data		Predicted CI	
	DZ-Nep	Panobinostat	Temozolomide	Fa	CI value	Fa	CI value
GOS-3	1.667	3.333	4.167	0.214	2.450	0.500	0.246
	3.333	6.667	8.333	0.242	2.769	0.750	0.031
	6.667	13.333	16.667	0.305	1.839	0.900	0.004
	13.333	26.667	33.333	0.453	0.437	0.950	0.001
	26.667	53.333	66.667	0.682	0.040	0.970	0.000
MOG-G-CCM	1.667	3.333	4.167	0.284	0.138	0.500	0.185
	3.333	6.667	8.333	0.322	0.236	0.750	0.226
	6.667	13.333	16.667	0.588	0.198	0.900	0.285
	13.333	26.667	33.333	0.806	0.180	0.950	0.335
	26.667	53.333	66.667	0.846	0.294	0.970	0.376
U87MG	1.667	3.333	4.167	0.498	0.056	0.500	0.068
	3.333	6.667	8.333	0.559	0.073	0.750	0.038
	6.667	13.333	16.667	0.746	0.035	0.900	0.022
	13.333	26.667	33.333	0.769	0.056	0.950	0.015
	26.667	53.333	66.667	0.916	0.015	0.970	0.012
LN405	1.667	3.333	4.167	0.216	0.113	0.500	0.174
	3.333	6.667	8.333	0.261	0.166	0.750	0.321
	6.667	13.333	16.667	0.433	0.180	0.900	0.621
	13.333	26.667	33.333	0.664	0.227	0.950	0.976
	26.667	53.333	66.667	0.790	0.348	0.970	1.347
LN405-TMZR	1.667	3.333	4.167	0.087	573.185	0.500	0.380
	3.333	6.667	8.333	0.122	116.849	0.750	0.205
	6.667	13.333	16.667	0.163	31.500	0.900	0.138
	13.333	26.667	33.333	0.376	0.795	0.950	0.112
	26.667	53.333	66.667	0.782	0.121	0.970	0.123

The CI is a quantitative definition of synergy, where CI <1 reflects synergy, CI >1 reflects antagonism, and CI =1 reflects an additive effect. Synergistic values (CI <0.8) are represented in green; antagonistic values (CI >1.2) are represented in red; additive values (0.8< CI <1.2) are in yellow. CI values predicted by Compusyn at 0.5, 0.75, 0.9, 0.95 and 0.97 of the different treatments are included. CI, combination index; DZ-NEP, 3-deazaneplanocin A; Fa, affected cellular fraction.