Supplementary Table 1. Prediction analysis. Single linear regression data with viability and apoptosis as dependent variables.

A.-ALL CELL LINES							
Model dependent vs independent variable		B Slope	Confidence intervals 95%		R^2	F Anova	p-value Anova
Dependent variable	**Independent variable**						
Viability	Concentration	-1.301	-2.265	-0.338	0.375	8.392	0.012
	Intracellular Pt AT-0	-1.349	-1.851	-0.847	0.703	33.217	0.000
	Intracellular Pt AT-1	-3.790	-5.546	-2.034	0.605	21.435	0.000
	Adducts AT-0	-0.821	-1.108	-0.535	0.730	37.910	0.000
	Adducts AT-1	**-0.624**	**-0.840**	**-0.408**	**0.733**	**38.356**	**0.000**
	% Tail DNA AT-0	-3.316	-12.994	6.362	0.037	0.540	0.474
	% Tail DNA AT-1	-8.831	-17.465	-0.198	0.256	4.813	0.046
	% G1 phase cells	0.246	-0.248	0.740	0.076	1.145	0.303
	% S phase cells	-0.455	-1.180	0.270	0.115	1.815	0.199
	% G2 phase cells	-0.061	-0.662	0.541	0.003	0.047	0.832
Apoptosis	Concentration	0.847	-0.252	1.947	0.163	2.730	0.121
	Intracellular Pt AT-0	0.419	-0.459	1.296	0.070	1.046	0.324
	Intracellular Pt AT-1	1.266	-1.392	3.925	0.069	1.044	0.324
	Adducts AT-0	0.674	0.292	1.056	0.505	14.293	0.002
	Adducts AT-1	**0.600**	**0.373**	**0.827**	**0.697**	**32.139**	**0.000**
	% tail DNA AT-0	-2.695	-12.302	6.912	0.025	0.362	0.557
	% tail DNA AT-1	1.859	-7.957	11.675	0.012	0.165	0.691
	% G1 phase cells	0.277	-0.204	0.759	0.098	1.527	0.237

	% S phase cells	-0.042	-0.802	0.718	0.001	0.014	0.907
	% G2 phase cells	-0.356	-0.915	0.203	0.118	1.867	0.193

B.- SENSITIVE CELL LINES

Viability	Concentration	-1.777	-2.508	-1.046	0.746	29.343	0.000
	Intracellular Pt AT-0	-1.201	-1.757	-0.645	0.698	23.154	0.001
	Intracellular Pt AT-1	-3.703	-5.314	-2.095	0.725	26.304	0.000
	Adducts AT-0	-0.744	-1.060	-0.428	0.733	27.508	0.000
	Adducts AT-1	**-0.561**	**-0.802**	**-0.320**	**0.729**	**26.900**	**0.000**
	% Tail DNA AT-0	-1.037	-12.666	10.592	0.004	0.039	0.846
	% Tail DNA AT-1	-8.378	-17.248	0.493	0.307	4.428	0.062
	% G1 phase cells	0.367	-0.155	0.889	0.197	2.457	0.148
	% S phase cells	-0.402	-1.162	0.357	0.122	1.395	0.265
	% G2 phase cells	-0.214	-0.873	0.444	0.050	0.525	0.485
Apoptosis	Concentration	1.125	-0.301	2.551	0.236	3.089	0.109
	Intracellular Pt AT-0	0.296	-0.824	1.417	0.034	0.347	0.569
	Intracellular Pt AT-1	1.092	-2.273	4.456	0.050	0.523	0.486
	Adducts AT-0	0.668	0.165	1.171	0.467	8.751	0.014
	Adducts AT-1	**0.609**	**0.312**	**0.905**	**0.676**	**20.902**	**0.001**
	% Tail DNA AT-0	-5.512	-18.037	7.014	0.088	0.961	0.350
	% Tail DNA AT-1	1.410	-10.540	13.361	0.007	0.069	0.798
	% G1 phase cells	0.309	-0.309	0.928	0.110	1.241	0.291
	% S phase cells	-0.086	-0.0996	0.824	0.004	0.045	0.837
	% G2 phase cells	-0.355	-1.073	0.362	0.109	1.218	0.296

C.- OVARIAN CELL LINES

Viability	Concentration	-0.937	-3.037	1.163	0.116	1.192	0.317

	Intracellular Pt AT-0	-1.245	-1.751	-0.740	0.858	36.317	0.001
	Intracellular Pt AT-1	-3,507	-5.873	-1.141	0.687	13.158	0.011
	Adducts AT-0	-1.375	-2.136	-0.614	0.765	19.532	0.004
	Adducts AT-1	**-1.340**	**-1.837**	**-0.844**	**0.879**	**43.662**	**0.001**
	% Tail DNA AT-0	-11.094	-26.651	4.464	0.337	3.045	0.132
	% Tail DNA AT-1	-21.765	-34.192	-9.337	0.754	18.365	0.005
	% G1 phase cells	0.616	-0.217	1.450	0.353	3.271	0.121
	% S phase cells	-0.614	-1.608	0.381	0.275	2.280	0.182
	% G2 phase cells	-0.220	-1.534	1.093	0.027	0.168	0.696
Apoptosis	Concentration	0.161	-0.258	0.579	0.128	0.882	0.384
	Intracellular Pt AT-0	0.230	0.106	0.355	0.773	20.405	0.004
	Intracellular Pt AT-1	0.637	0.113	1.160	0.596	8.859	0.025
	Adducts AT-0	0.251	0.077	0.426	0.674	12.409	0.012
	Adducts AT-1	**0.247**	**0.119**	**0.375**	**0.788**	**22.323**	**0.003**
	% Tail DNA AT-0	2.574	-0.116	5.264	0.477	5.482	0.058
	% Tail DNA AT-1	4.320	2.044	6.596	0.782	21.564	0.004
	% G1 phase cells	-0.113	-0.280	0.054	0.315	2.759	0.148
	% S phase cells	0.099	-0.106	0.304	0.187	1.384	0.284
	% G2 phase cells	0.059	-0.194	0.312	0.052	0.328	0.588

Supplementary Table 2. Prediction analysis. Multivariate regression data with viability and apoptosis as dependent variables, adducts AT-1 as first independent variable and %Tail DNA AT-1, intracellular Pt AT-0, G1 cells or S cells, as second variable.

A.-ALL CELL LINES

Model dependent vs independent variables		B Slope	Confidence intervals 95%		R^2	F Anova	p-value Anova
Dependent variable	**Independent variables**						
Viability	**Adducts-AT-1**	**-0.624**	**-0.840**	**-0.408**	**0.733**	**38.356**	**0.000**
	Adducts-AT-1	-0.564	-0.768	-0.360	0.802	26.253	0.000
	%Tail-DNA-AT-1	-4.803	-9.685	0.079			
	Adducts-AT-1	-0.405	-0.570	-0.239	0.906	62.456	0.000
	Intracellular-Pt-AT-0	-0.826	-1.191	-0.461			
	Adducts-AT-1	-0.608	-0.825	-0.391	0.758	20.394	0.000
	G1 cells	0.145	-0.121	0.412			
	Adducts-AT-1	-0.599	-0.811	-0.387	0.771	21.869	0.000
	S cells	-0.267	-0.658	0.124			
Apoptosis	**Adducts-AT-1**	**0.600**	**0.373**	**0.827**	**0.697**	**32.139**	**0.000**
	Adducts-AT-1	0.633	0.394	0.873	0.718	16.578	0.000
	%Tail-DNA-AT-1	-2.663	-8.402	3.075			
	Adducts-AT-1	0.745	0.492	0.998	0.774	22.252	0.000
	Intracellular-Pt-AT-0	-0.545	-1.103	0.013			
	Adducts-AT-1	0.643	0.493	0.792	0.882	48.668	0.000
	G1 cells	0.385	0.201	0.568			
	Adducts-AT-1	0.622	0.394	0.850	0.728	17.379	0.000

	S cells	-0.238	-0.659	0.183			

B.- SENSITIVE CELL LINES

Viability	**Adducts-AT-1**	**-0.561**	**-0.802**	**-0.320**	**0.729**	**26.900**	**0.000**
	Adducts-AT-1	-0.496	-0.718	-0.274	0.820	20.451	0.000
	%Tail-DNA-AT-1	-4.796	-9.897	0.305			
	Adducts-AT-1	-0.376	-0.525	-0.228	0.935	64.840	0.000
	Intracellular-Pt-AT-0	-0.768	-1.092	-0.443			
	Adducts-AT-1	-0.529	-0.737	-0.321	0.828	21.672	0.000
	G1 cells	0.263	0.002	0.525			
	Adducts-AT-1	-0.541	-0.771	-0.310	0.787	16.634	0.001
	S cells	-0.280	-0.683	0.124			
Apoptosis	**Adducts-AT-1**	**0.609**	**0.312**	**0.905**	**0.676**	**20.902**	**0.001**
	Adducts-AT-1	0.654	0.338	0.970	0.711	11.046	0.004
	%Tail-DNA-AT-1	-3.312	-10.584	3.961			
	Adducts-AT-1	0.743	0.424	1.063	0.763	14.485	0.002
	Intracellular-Pt-AT-0	-0.560	-1.258	0.139			
	Adducts-AT-1	0.663	0.479	0.847	0.894	37.864	0.000
	G1 cells	0.439	0.208	0.671			
	Adducts-AT-1	0.625	0.321	0.930	0.707	10.860	0.004
	S cells	-0.229	-0.761	0.304			

C.- OVARIAN CANCER CELL LINES

Viability	**Adducts-AT-1**	**-1.340**	**-1.837**	**-0.844**	**0.879**	**43.662**	**0.001**
	Adducts-AT-1	-0.931	-1.481	-0.382	0.949	46.213	0.001
	%Tail-DNA-AT-1	-9.753	-19.388	-0.118			
	Adducts-AT-1	-0.836	-2.502	0.831	0.894	20.990	0.004

	Intracellular-Pt-AT-0	-0.501	-2.069	1.066			
	Adducts-AT-1	-1.993	-2.422	-1.563	0.978	111.239	0.000
	G1 cells	-0.575	-0.887	-0.263			
	Adducts-AT-1	-1.480	-2.191	-0.768	0.892	20.666	0.004
	S cells	0.175	-0.407	0.757			
Apoptosis	**Adducts-AT-1**	**0.247**	**0.119**	**0.375**	**0.788**	**22.323**	**0.003**
	Adducts-AT-1	0.144	-0.002	0.290	0.905	23.813	0.003
	%Tail-DNA-AT-1	2.463	0.090	5.017			
	Adducts-AT-1	0.149	-0.293	0.591	0.802	10.156	0.017
	Intracellular-Pt-AT-0	0.097	-0.319	0.513			
	Adducts-AT-1	0.368	0.171	0.566	0.878	17.992	0.005
	G1 cells	0.107	-0.036	0.250			
	Adducts-AT-1	0.293	0.117	0.470	0.825	11.780	0.013
	S cells	-0.058	-0.202	0.087			

Table 3. Prediction analysis. Multivariate regression data with viability and apoptosis as dependent variables, and adducts AT-1, intracellular Pt AT-0, %Tail DNA AT-1 and percentage of G1 cells as independent ones. Comparison with the univariate regressions with adducts AT-1 as independent variable.

A.-ALL CELL LINES							
Model dependent vs independent variables		B Slope	Confidence intervals 95%		R^2	F Anova	p-value Anova
Dependent variable	**Independent variables**						
Viability	**Adducts AT-1**	**-0.624**	**-0.840**	**-0.408**	**0.733**	**38.356**	**0.000**
	Adducts AT-1	-0.351	-0.510	-0.193	0.938	41.600	0.000
	Intracellular Pt AT-0	-1.016	-1.472	-0.560			
	%Tail DNA AT-1	-2.124	-5.806	1.558			
	G1 cells	-0.215	-0.421	-0.008			
Apoptosis	**Adducts AT-1**	**0.600**	**0.373**	**0.827**	**0.697**	**32.139**	**0.000**
	Adducts AT-1	0.635	0.427	0.843	0.890	22.253	0.000
	Intracellular Pt AT-0	-0.047	-0.646	0.552			
	%Tail DNA AT-1	1.937	-2.901	6.775			
	G1 cells	0.420	0.149	0.691			
B.- SENSITIVE CELL LINES							
Viability	**Adducts AT-1**	**-0.561**	**-0.802**	**-0.320**	**0.729**	**26.900**	**0.000**
	Adducts AT-1	-0.348	-0.525	-0.171	0.945	30.301	0.000
	Intracellular Pt AT-0	-0.837	-1.382	-0.291			
	%Tail DNA AT-1	-1.940	-6.434	2.553			
	G1 cells	-0.119	-0.422	0.183			
Apoptosis	**Adducts AT-1**	**0.609**	**0.312**	**0.905**	**0.676**	**20.902**	**0.001**

	Adducts AT-1	0.583	0.355	0.811			
	Intracellular Pt AT-0	0.224	-0.478	0.926	0.929	22.784	0.000
	%Tail DNA AT-1	3.931	-1.849	9.711			
	G1 cells	0.662	0.273	1.050			
C.- OVARIAN CELL LINES							
Viability	**Adducts AT-1**	**-1.340**	**-1.837**	**-0.844**	**0.879**	**43.662**	**0.001**
	Adducts AT-1	-1.584	-2.165	-1.004			
	Intracellular Pt AT-0	-0.033	-0.524	0.457	0.997	222.878	0.000
	%Tail DNA AT-1	-5.530	-10.299	-0.760			
	G1 cells	-0.449	-0.667	-0.230			
Apoptosis	**Adducts AT-1**	**0.247**	**0.119**	**0.375**	**0.788**	**22.323**	**0.003**
	Adducts AT-1	0.265	-0.243	0.773			
	Intracellular Pt AT-0	-0.026	-0.455	0.403	0.932	10.338	0.042
	%Tail DNA AT-1	1.965	-2.208	6.138			
	G1 cells	0.065	-0.126	0.256			

Supplementary Table 4. Pearson correlation coefficients and their statistical signification for all the analysed variables, considering the three data groups.

ALL CELL LINES	Apoptosis	Intracellular Pt AT-0	Intracellular Pt AT-1	Pt G-G/AT-0	Pt G-G/AT-1	%Tail DNA/AT-0	%Tail DNA/AT-1	% G1 phase cells	% S phase cells	% G2 phase cells
Cell viability	- 0.66**	- 0.84***	- 0.78***	- 0.85***	- 0.86***	- 0.19	- 0.51*	0.28	- 0.34	- 0.06
Apoptosis		0.26	0.26	0.71**	0.84***	- 0.16	0.11	0.31	- 0.03	- 0.34
Intracellular Pt AT-0			0.96***	0.67**	0.59*	0.39	0.58*	- 0.61*	0.62*	0.23
Intracellular Pt AT-1				0.71**	0.61*	0.26	0.57*	- 0.73**	0.68**	0.33
Pt G-G/AT-0					0.96***	0.03	0.38	- 0.31	0.33	0.10
Pt G-G/AT-1						- 0.07	0.30	- 0.14	0.17	0.03
% Tail DNA/AT-0							0.42 [a]	- 0.12	- 0.01	0.15
% Tail DNA/AT-1								- 0.53*	0.26	0.42 [a]
% G1 phase cells									- 0.54*	- 0.75**

% S phase cells									- 0.15
% G2 phase cell									
SENSITIVE CELL LINES									
Cell viability	- 0.63*	- 0.84***	- 0.85***	- 0.86***	- 0.85***	- 0.06	- 0.55 [a]	0.44	- 0.35	- 0.22
Apoptosis		0.18	0.22	0.68*	0.82**	- 0.30	0.08	0.33	- 0.07	- 0.33
Intracellular Pt AT-0			0.99***	0.63*	0.53 [a]	0.37	0.61*	- 0.72**	0.62*	0.32
Intracellular Pt AT-1				0.69*	0.58*	0.30	0.65*	- 0.75**	0.66*	0.32
Pt G-G/AT-0					0.95***	- 0.07	0.40	- 0.35	0.31	0.15
Pt G-G/AT-1						- 0.17	0.31	- 0.16	0.13	0.07
% Tail DNA/AT-0							0.36	- 0.26	- 0.01	0.31
% Tail DNA/AT-1								- 0.68*	0.29	0.54 [a]

% G1 phase cells									- 0.54 [a]	- 0.71**
% S phase cells										- 0.21
% G2 phase cell										
OVARIAN CELL LINES										
Cell viability	- 0.97***	- 0.93**	- 0.83*	- 0.87**	- 0.94***	- 0.58	- 0.87**	0.59	- 0.52	- 0.17
Apoptosis		0.88**	0.77*	0.82*	0.89**	0.69 [a]	0.88**	- 0.56	0.43	0.23
Intracellular Pt AT-0			0.96***	0.98***	0.95***	0.56	0.79*	- 0.74*	0.78*	0.06
Intracellular Pt AT-1				0.99***	0.94***	0.39	0.64 [a]	- 0.89**	0.85**	0.17
Pt G-G/AT-0					0.96***	0.46	0.71*	- 0.85**	0.82*	0.16
Pt G-G/AT-1						0.39	0.74*	- 0.82*	0.65 [a]	0.32
% Tail DNA/AT-0							0.70*	- 0.09	0.33	- 0.26

% Tail DNA/AT-1								- 0.43	0.34	0.17
% G1 phase cells									- 0.67 [a]	- 0.53
% S phase cells										- 0.28
% G2 phase cell										

*p< 0.05; **p< 0.01; ***p< 0.001; [a] p< 0.05 considering one tail.