

1 Supplementary Table 4. q-PCR raw data of eleven genes

		GAPDH	Average	CyclinE	Average	delta Ct	delta delta Ct	Relative gene ex	Avg. relative g
Control	R1	17.4333564	17.7407965	23.1561201	23.2955533	5.55475675	0	1	
		18.0482366		23.4349865					
	R2	18.2	18.525	23.15	23.52	4.995	0	1	
		18.85		23.89					
	R3	18.1593263	18.4260361	24.3073455	24.089789	5.66375289	0	1	
		18.6927459		23.8722325					
Cardol (IC50/2)	R1	18.7486225	19.0453638	25.1026941	24.8210938	5.77573003	-0.220973276	0.857986423	0.83333291
		19.3421051		24.5394935					
	R2	17.9	17.615	23.03	22.915	5.3	-0.305	0.809442217	
		17.33		22.8					
	R3	17.8826813	17.9713407	24.1959791	23.8994499	5.92810925	-0.264356369	0.832570087	
		18.06		23.6029208					
Cardol (IC50)	R1	19.2779419	18.8846216	24.6310805	24.734917	5.85029539	-0.295538643	0.814768075	0.56416938
		18.4913013		24.8387535					
	R2	17.71	17.69	24.07	24.465	6.775	-1.78	0.291183397	
		17.67		24.86					
	R3	18.3904291	18.3884199	24.5947042	24.8218304	6.43341047	-0.769657585	0.586556674	
		18.3864107		25.0489566					
Roscovitine (IC50/2)	R1	19.0766975	18.8854752	23.9553212	23.7968841	4.91140897	0.643347779	1.561949467	1.402445
		18.6942528		23.6384471					
	R2	17.54	17.49	22	22.03	4.54	0.455	1.370782805	
		17.44		22.06					
	R3	17.9757288	17.7718315	23.0753216	23.0855367	5.31370524	0.350047645	1.27460272	
		17.5679341		23.0957518					
Roscovitine (IC50)	R1	17.7539921	17.381429	21.9996977	22.177504	4.79607503	0.758681716	1.691943879	1.58495823
		17.0088658		22.3553104					
	R2	16.98	17.3	21.69	21.835	4.535	0.46	1.375541818	
		17.62		21.98					
	R3	18.135778	17.7662949	23.0095571	22.6752552	4.90896029	0.754792599	1.687388997	
		17.3968118		22.3409533					

		GAPDH	Average	CyclinD	Average	delta Ct	delta delta C	Relative gene	Avg. relative
Control	R1	19.3433987	19.5105679	27.2836306	27.1732518	7.66268384	0	1	
		19.6777371		27.0628729					
	R2	18.2	18.525	24.14	24.4	5.875	0	1	
		18.85		24.66					
	R3	18.1593263	18.4260361	24.2942348	24.5452671	6.11923102	0	1	
		18.6927459		24.7962995					
Cardol (IC50/2)	R1	20.6710152	20.6094965	29.673846	29.6760936	9.06659713	-1.4039133	0.37790269	0.51532323
		20.5479777		29.6783411					
	R2	17.9	17.615	24.73	24.37	6.755	-0.88	0.54336743	
		17.33		24.01					
	R3	17.8826813	17.9713407	24.8827523	24.7693372	6.79799658	-0.6787656	0.62469957	
		18.06		24.6559222					
Cardol (IC50)	R1	20.2688385	20.1252045	27.7437807	27.6368428	7.51163827	0.15104557	1.1103739	0.92112192
		19.9815706		27.5299049					
	R2	17.71	17.69	24.05	23.81	6.12	-0.245	0.8438158	
		17.67		23.57					
	R3	18.3904291	18.3884199	24.9938925	24.8131254	6.42470546	-0.3054744	0.80917607	
		18.3864107		24.6323582					
Roscovitine (IC50/2)	R1	19.997221	20.1556191	27.9821785	28.0676313	7.91201223	-0.2493284	0.84128796	0.81233782
		20.3140172		28.1530842					
	R2	17.54	17.49	22.73	23.51	6.02	-0.145	0.90437938	
		17.44		24.29					
	R3	17.9757288	17.7718315	24.3809879	24.4235824	6.65175095	-0.5325199	0.69134612	
		17.5679341		24.466177					
Roscovitine (IC50)	R1	19.2173404	19.3392606	26.3738654	26.413869	7.07460838	0.58807546	1.5032401	1.34374449
		19.4611809		26.4538726					
	R2	16.98	17.3	22.61	22.735	5.435	0.44	1.35660433	
		17.62		22.86					
	R3	18.135778	17.7662949	24.0597549	23.6573056	5.89101071	0.22822031	1.17138904	
		17.3968118		23.2548563					

		GAPDH	Average	CyclinA	Average	delta Ct	delta delta Ct	Relative gene ex	Avg. relative
Control	R1	17.4333564	17.7407965	21.5681802	21.4611377	3.72034115	0	1	
		18.0482366		21.3540952					
	R2	18.2	18.525	23.35	23.135	4.61	0	1	
		18.85		22.92					
	R3	18.1593263	18.4260361	23.6742771	23.411616	4.98557988	0	1	
		18.6927459		23.1489549					
Cardol (IC50/2)	R1	18.7486225	19.0453638	23.8734056	24.1387459	5.09338214	-1.373040988	0.386076598	0.71999782
		19.3421051		24.4040862					
	R2	17.9	17.615	21.9	22.395	4.78	-0.17	0.888842681	
		17.33		22.89					
	R3	17.8826813	17.9713407	23.2171862	23.1330503	5.16170959	-0.176129717	0.885074181	
		18.06		23.0489143					
Cardol (IC50)	R1	19.2779419	18.8846216	25.0567063	25.7980628	6.91344115	-3.193100002	0.109340516	0.17940217
		18.4913013		26.5394192					
	R2	17.71	17.69	24.87	24.985	7.295	-2.685	0.155501457	
		17.67		25.1					
	R3	18.3904291	18.3884199	25.3725322	25.2451018	6.85668188	-1.871102	0.273364537	
		18.3864107		25.1176714					
Roscovitine (IC50/2)	R1	19.0766975	18.8854752	23.0140176	23.0589662	4.17349101	-0.453149852	0.730446314	0.79537306
		18.6942528		23.1039147					
	R2	17.54	17.49	22.96	22.735	5.245	-0.635	0.643940815	
		17.44		22.51					
	R3	17.9757288	17.7718315	22.8739606	22.7405841	4.96875263	0.016827243	1.011732043	
		17.5679341		22.6072076					
Roscovitine (IC50)	R1	17.7539921	17.381429	22.722642	22.7535473	5.37211829	-1.651777137	0.318247892	0.37707128
		17.0088658		22.7844525					
	R2	16.98	17.3	24.24	23.72	6.42	-1.81	0.285190929	
		17.62		23.2					
	R3	18.135778	17.7662949	23.728081	23.6738798	5.90758491	-0.922005035	0.527775017	
		17.3968118		23.6196786					

		GAPDH	Average	PCNA	Average	delta Ct	delta delta C	Relative gene	Avg. relative
Control	R1	18.02	18.035	25.0445924	25.350781	7.315781	0	1	
		18.05		25.6569696					
	R2	20.31	20.325	21.9	22.085	1.76	0	1	
		20.34		22.27					
	R3	19.26	19.285	20.17	20.145	0.86	0	1	
		19.31		20.12					
Cardol (IC50/2)	R1	18.2344158	18.3382216	25.4235973	25.4728143	7.13459268	0.18118832	1.1338174	0.87385393
		18.4420274		25.5220312					
	R2	19.61	19.615	22.19	21.68	2.065	-0.305	0.80944222	
		19.62		21.17					
	R3	17.81	18.235	19.85	19.655	1.42	-0.56	0.67830216	
		18.66		19.46					
Cardol (IC50)	R1	18.2372938	17.7634111	26.5829026	26.9062813	9.14287021	-1.8270892	0.28183268	0.3143436
		17.2895283		27.2296599					
	R2	20.55	20.865	24.2	23.855	2.99	-1.23	0.42631745	
		21.18		23.51					
	R3	18.64	18.45	21.25	21.4	2.95	-2.09	0.23488069	
		18.26		21.55					
Roscovitine (IC50/2)	R1	17.99	18.055	25.3773189	25.5332879	7.47828788	-0.1625069	0.89347119	0.75939204
		18.12		25.6892568					
	R2	19.73	20	22.08	22.18	2.18	-0.42	0.74742462	
		20.27		22.28					
	R3	18.23	18.225	19.81	19.735	1.51	-0.65	0.63728031	
		18.22		19.66					
Roscovitine (IC50)	R1	16.6077515	17.3156646	25.292966	25.3398156	8.02415107	-0.7083701	0.61201119	0.61781361
		18.0235776		25.3866653					
	R2	20.5	20.055	22.2	22.25	2.195	-0.435	0.73969375	
		19.61		22.3					
	R3	17.51	17.82	19.38	19.675	1.855	-0.995	0.50173587	
		18.13		19.97					

		GAPDH	Average	P21	Average	delta Ct	delta delta Ct	Relative gene ex	Avg. relative g
Control	R1	17.4333564	17.7407965	26.8191051	26.4529644	8.71216786	0	1	
		18.0482366		26.0868237					
	R2	20.87	20.965	27.77	27.445	6.48	0	1	
		21.06		27.12					
	R3	18.16	18.425	25.6	25.915	7.49	0	1	
		18.69		26.23					
Cardol (IC50/2)	R1	18.7486225	19.0453638	27.0832757	27.5489074	8.50354363	0.208624224	1.155585674	1.09309604
		19.3421051		28.0145391					
	R2	19.77	19.915	26.64	26.76	6.845	-0.365	0.776468875	
		20.06		26.88					
	R3	19.06	18.47	25.62	25.53	7.06	0.43	1.347233577	
		17.88		25.44					
Cardol (IC50)	R1	19.2779419	18.8846216	27.6554461	27.582786	8.69816437	0.014003489	1.00975374	1.04560135
		18.4913013		27.5101259					
	R2	20.92	20.54	27.02	27.1	6.56	-0.08	0.946057647	
		20.16		27.18					
	R3	18.39	18.39	26.21	25.64	7.25	0.24	1.180992661	
		18.39		25.07					
Roscovitrine (IC50/2)	R1	19.0766975	18.8854752	26.725932	26.4252287	7.53975353	1.172414322	2.253885649	1.59744803
		18.6942528		26.1245254					
	R2	19.84	19.93	26.21	26.385	6.455	0.025	1.017479692	
		20.02		26.56					
	R3	17.98	17.775	24.84	24.66	6.885	0.605	1.520978753	
		17.57		24.48					
Roscovitrine (IC50)	R1	17.7539921	17.381429	25.114356	25.0632567	7.68182769	1.030340163	2.042505783	1.77733353
		17.0088658		25.0121573					
	R2	19.53	19.79	25.3	25.585	5.795	0.685	1.607701981	
		20.05		25.87					
	R3	17.4	17.77	24.03	24.51	6.74	0.75	1.681792831	
		18.14		24.99					

		GAPDH	Average	P27	Average	delta Ct	delta delta C	Relative gene	Avg. relative
Control	R1	18.79	18.76	24.9659105	25.0319976	6.27199762	0	1	
		18.73		25.0980847					
	R2	20.31	20.325	28	28.075	7.75	0	1	
		20.34		28.15					
	R3	19.26	19.285	25.68	25.34	6.055	0	1	
		19.31		25					
Cardol (IC50/2)	R1	19.0780823	19.5903243	26.1983717	26.4948943	6.90457	-0.6325724	0.64502529	0.6808775
		20.1025663		26.7914169					
	R2	19.61	19.615	27.22	27.615	8	-0.25	0.84089642	
		19.62		28.01					
	R3	17.81	18.235	25.09	25.135	6.9	-0.845	0.55671081	
		18.66		25.18					
Cardol (IC50)	R1	19.0571255	19.0430507	25.7559103	26.1912179	7.14816721	-0.8761696	0.54481201	0.6168846
		19.0289759		26.6265255					
	R2	20.55	20.865	28.8	28.68	7.815	-0.065	0.95594532	
		21.18		28.56					
	R3	18.64	18.45	26.08	26.02	7.57	-1.515	0.34989647	
		18.26		25.96					
Roscovitine (IC50/2)	R1	19.6087955	19.4929336	26.0631699	26.0651169	6.57218324	-0.3001856	0.8121479	0.96422841
		19.3770717		26.0670638					
	R2	19.73	20	27.35	27.3	7.3	0.45	1.36604026	
		20.27		27.25					
	R3	18.23	18.225	24.85	24.765	6.54	-0.485	0.71449707	
		18.22		24.68					
Roscovitine (IC50)	R1	18.5266654	18.5165403	25.8611366	26.1991882	7.68264795	-1.4106503	0.37614209	0.48801616
		18.5064151		26.5372398					
	R2	20.5	20.055	28.25	28.115	8.06	-0.31	0.80664176	
		19.61		27.98					
	R3	17.51	17.82	26.1	25.705	7.885	-1.83	0.28126462	
		18.13		25.31					

		GAPDH	Average	MCM2	Average	delta Ct	delta delta Ct	Relative gene ex	Avg. relative g
Control	R1	18.02	18.035	25.4450072	25.2008453	7.16584527	0	1	
		18.05		24.9566834					
	R2	20.31	20.325	29.02	28.545	8.22	0	1	
		20.34		28.07					
	R3	19.26	19.285	26.17	26.095	6.81	0	1	
		19.31		26.02					
Cardol (IC50/2)	R1	18.2372938	17.7634111	27.1557382	27.0865754	9.32316432	-2.157319051	0.224172459	0.36025378
		17.2895283		27.0174125					
	R2	19.61	19.615	28.35	28.595	8.98	-0.76	0.590496331	
		19.62		28.84					
	R3	17.81	18.235	26.86	26.955	8.72	-1.91	0.266092546	
		18.66		27.05					
Cardol (IC50)	R1	18.2344158	18.3382216	26.1790642	26.5430339	8.20481227	-1.038967003	0.486675818	0.42617634
		18.4420274		26.9070035					
	R2	20.55	20.865	29.77	29.81	8.945	-0.725	0.604997045	
		21.18		29.85					
	R3	18.64	18.45	28.01	27.68	9.23	-2.42	0.186856156	
		18.26		27.35					
Roscovitine (IC50/2)	R1	17.99	18.055	26.2715898	26.006914	7.95191399	-0.786068726	0.579922201	0.74237837
		18.12		25.7422381					
	R2	19.73	20	28.05	28.36	8.36	-0.14	0.907519155	
		20.27		28.67					
	R3	18.23	18.225	25.15	25.47	7.245	-0.435	0.739693755	
		18.22		25.79					
Roscovitine (IC50)	R1	16.6077515	17.3156646	26.1309211	25.8595283	8.54386374	-1.378018475	0.384746878	0.57576696
		18.0235776		25.5881355					
	R2	20.5	20.055	28.73	28.3	8.245	-0.025	0.982820599	
		19.61		27.87					
	R3	17.51	17.82	25.94	26.105	8.285	-1.475	0.359733395	
		18.13		26.27					

		GAPDH	Average	c-MYC	Average	delta Ct	delta delta Ct	Relative gene ex	Avg. relative g
Control	R1	20.31	20.325	27.61	28.06	7.735	0	1	
		20.34		28.51					
	R2	19.26	19.285	26.67	26.48	7.195	0	1	
		19.31		26.29					
	R3	20.42	20.445	28.41	28.265	7.82	0	1	
		20.47		28.12					
Cardol (IC50/2)	R1	19.61	19.615	27.5	27.455	7.84	-0.105	0.929804943	0.95414006
		19.62		27.41					
	R2	17.81	18.235	25.63	25.52	7.285	-0.09	0.939522749	
		18.66		25.41					
	R3	19.72	19.73	27.62	27.56	7.83	-0.01	0.993092495	
		19.74		27.5					
Cardol (IC50)	R1	20.55	20.865	27.42	27.64	6.775	0.96	1.945309895	1.62937832
		21.18		27.86					
	R2	18.64	18.45	25.51	25.265	6.815	0.38	1.301341855	
		18.26		25.02					
	R3	20.45	20.71	27.41	27.815	7.105	0.715	1.641483218	
		20.97		28.22					
Roscovitine (IC50/2)	R1	19.73	20	27.16	26.78	6.78	0.955	1.938579634	1.64542526
		20.27		26.4					
	R2	18.23	18.225	24.65	25.005	6.78	0.415	1.333298677	
		18.22		25.36					
	R3	19.77	19.945	27.34	27.03	7.085	0.735	1.664397469	
		20.12		26.72					
Roscovitine (IC50)	R1	20.5	20.055	26.7	26.78	6.725	1.01	2.0139111	1.87303594
		19.61		26.86					
	R2	18.51	18.32	24.78	24.65	6.33	0.865	1.821339667	
		18.13		24.52					
	R3	19.88	19.75	26.95	26.735	6.985	0.835	1.783857039	
		19.62		26.52					

		GAPDH	Average	STAT3	Average	delta Ct	delta delta C	Relative gene	Avg. relative
Control	R1	19.3433987	19.5105679	26.4969403	26.488907	6.97833913	0	1	
		19.6777371		26.4808738					
	R2	20.31	20.325	27.48	27.47	7.145	0	1	
		20.34		27.46					
	R3	19.26	19.285	25.35	25.695	6.41	0	1	
		19.31		26.04					
Cardol (IC50/2)	R1	20.6710152	20.6094965	28.6769342	28.6107428	8.00124635	-1.0229072	0.49212366	0.55813726
		20.5479777		28.5445514					
	R2	19.61	19.615	27.09	27.175	7.56	-0.415	0.75001949	
		19.62		27.26					
	R3	17.81	18.235	25.96	25.855	7.62	-1.21	0.43226862	
		18.66		25.75					
Cardol (IC50)	R1	20.2688385	20.1252045	26.8803582	26.7886853	6.66348077	0.31485836	1.24388952	1.1787754
		19.9815706		26.6970124					
	R2	20.55	20.865	27.93	27.705	6.84	0.305	1.23541864	
		21.18		27.48					
	R3	18.64	18.45	25.07	24.78	6.33	0.08	1.05701804	
		18.26		24.49					
Roscovitine (IC50/2)	R1	19.997221	20.1556191	27.1852029	27.0421507	6.88653153	0.0918076	1.0657046	1.26055584
		20.3140172		26.8990984					
	R2	19.73	20	26.53	26.64	6.64	0.505	1.41912336	
		20.27		26.75					
	R3	18.23	18.225	24.01	24.26	6.035	0.375	1.29683955	
		18.22		24.51					
Roscovitine (IC50)	R1	19.2173404	19.3392606	25.450557	25.5930943	6.25383363	0.7245055	1.65233418	1.81924862
		19.4611809		25.7356315					
	R2	20.5	20.055	25.61	25.995	5.94	1.205	2.30537269	
		19.61		26.38					
	R3	17.51	17.82	23.48	23.645	5.825	0.585	1.50003899	
		18.13		23.81					

		GAPDH	Average	AKT	Average	delta Ct	delta delta C	Relative gene	Avg. relative
Control	R1	20.31	20.325	28.52	28.28	7.955	0	1	
		20.34		28.04					
	R2	19.3433987	19.5105679	28.3866795	28.2798199	8.76925201	0	1	
		19.6777371		28.1729604					
	R3	19.26	19.285	26.43	26.73	7.45	0	1	
		19.31		27.03					
Cardol (IC50/2)	R1	19.61	19.615	27.93	27.875	8.26	-0.305	0.80944222	0.91797049
		19.62		27.82					
	R2	20.6710152	20.6094965	29.76497	29.6260525	9.0165561	-0.2473041	0.84246924	
		20.5479777		29.4871351					
	R3	17.81	18.235	25.55	25.54	7.31	0.14	1.102	
		18.66		25.53					
Cardol (IC50)	R1	20.55	20.865	28.09	28.12	7.255	0.7	1.62450479	1.73333518
		21.18		28.15					
	R2	20.2688385	20.1252045	28.0326004	27.8521619	7.72695736	1.04229465	2.05950075	
		19.9815706		27.6717234					
	R3	18.64	18.45	25.56	25.3	6.85	0.6	1.516	
		18.26		25.03					
Roscovitine (IC50/2)	R1	19.73	20	26.89	26.955	6.955	1	2	1.82500415
		20.27		27.02					
	R2	19.997221	20.1556191	28.4118748	28.1060104	7.95039128	0.81886073	1.76401244	
		20.3140172		27.800146					
	R3	18.23	18.225	25.07	24.9	6.67	0.78	1.711	
		18.22		24.72					
Roscovitine (IC50)	R1	20.5	20.055	26.98	27.225	7.17	0.785	1.72309232	1.95308157
		19.61		27.47					
	R2	19.2173404	19.3392606	27.2542979	26.7767201	7.43745946	1.33179256	2.51715238	
		19.4611809		26.2991423					
	R3	17.51	17.82	24.53	24.57	6.75	0.7	1.619	
		18.13		24.61					

		GAPDH	Average	CDC6	Average	delta Ct	delta delta C	Relative gene	Avg. relative
Control	R1	18.79	18.76	22.7165567	22.8903723	4.13037227	0	1	
		18.73		23.0641878					
	R2	20.87	20.965	26.28	26.33	5.365	0	1	
		21.06		26.38					
	R3	18.16	18.425	23.97	23.89	5.465	0	1	
		18.69		23.81					
Cardol (IC50/2)	R1	19.0780823	19.5903243	23.7143467	23.6220971	4.03177278	0.09859948	1.07073353	1.08743273
		20.1025663		23.5298474					
	R2	19.77	19.915	25.32	25.405	5.49	-0.125	0.91700404	
		20.06		25.49					
	R3	19.06	18.47	23.43	23.585	5.115	0.35	1.27456063	
		17.88		23.74					
Cardol (IC50)	R1	19.0571255	19.0430507	24.6251648	24.5713567	5.52830605	-1.3979338	0.37947223	0.49003158
		19.0289759		24.5175487					
	R2	20.92	20.54	26.71	26.695	6.155	-0.79	0.57834409	
		20.16		26.68					
	R3	18.39	18.39	24.74	24.82	6.43	-0.965	0.51227841	
		18.39		24.9					
Roscovitine (IC50/2)	R1	19.6087955	19.4929336	24.3163833	24.1235554	4.63062177	-0.5002495	0.70698451	1.08647769
		19.3770717		23.9307275					
	R2	19.84	19.93	24.76	24.835	4.905	0.46	1.37554182	
		20.02		24.91					
	R3	17.98	17.775	22.83	23.005	5.23	0.235	1.17690674	
		17.57		23.18					
Roscovitine (IC50)	R1	18.5266654	18.5165403	23.6675863	23.4030052	4.88646495	-0.7560927	0.59209777	0.77353075
		18.5064151		23.1384241					
	R2	19.53	19.79	25.47	25.585	5.795	-0.43	0.74226179	
		20.05		25.7					
	R3	17.4	17.77	23.36	23.255	5.485	-0.02	0.9862327	
		18.14		23.15					