

Supplementary data

Supplementary data 1.

A. Prostate weight (mg)

Prostate weight (mg)					
	CON	BPH	Fina	6SL 0.5	6SL 1.0
1	104.5	975	855.9	755.5	833.2
2	129.7	970	814.9	622.5	770.4
3	145.6	851	755.7	794.9	686.7
4	99.5	867.9	786.5	653.8	670.1
5	152.5	1042	805.4	689.9	797.1
6	101.9	1033.1	770.8	561.4	829.1
7	142.8	918.7	866.5	562.7	891.9
8	121.5	829	638.7	586	790.9

B. PW/BW (mg/g)

Prostate weight/Body weight (PW/BW, mg/g)					
	CON	BPH	Fina	6SL 0.5	6SL 1.0
1	0.310089	3.037383	2.778896	2.489292	2.838842
2	0.370043	3.104	2.586984	1.844444	2.434123
3	0.441212	2.701587	2.605862	2.523492	2.339693
4	0.292647	2.633991	2.67517	1.966316	2.168608
5	0.42777	3.372168	2.767698	2.269408	2.725128
6	0.299706	3.749909	2.390078	1.846711	2.782215
7	0.391233	2.678426	2.690994	1.988339	3.054452
8	0.357353	2.648562	1.974343	1.691198	2.463863

C. Concentration of DHT (ng/mL)

Concentration of DHT (ng/mL)					
	CON	BPH	Fina	6SL 0.5	6SL 1.0
1	0.07956	6.22156	5.22186	5.12186	4.77658
2	0.092	6.05984	4.8191	4.9191	4.85448
3	0.07908	6.22156	5.07658	5.07658	5.02136
4	0.06964	6.35984	5.05449	5.05449	4.8193

Supplementary data 2.

A. TETP (μm)

	TETP (μm)				
	CON	BPH	Fina	6SL 0.5	6SL 1.0
1	12.52	62.06	36.57	38.57	29.52
2	16.02	64.22	35.22	36.57	30.98
3	14.95	68.57	40.98	36.05	29.57
4	11.03	60.56	36.05	38.23	27.51
5	13.77	61.34	34.45	40.05	33.34

B. Relative protein level of AR, PSA and PCNA

		1	2	3	Average	STDEV
AR/β-actin	Con	0.143489	0.130418	0.136943	0.13695	0.006535
	BPH	1.005648	0.994375	0.999977	1	0.005637
	Fina	0.02178	0.021419	0.021601	0.0216	0.000181
	6SL 0.5	0.018962	0.015576	0.017269	0.017269	0.001693
	6SL 1.0	0.023548	0.019263	0.021402	0.021404	0.002143
PSA/β-actin	Con	0.027681	0.02537	0.026527	0.026526	0.001156
	BPH	0.997591	1.002411	0.999998	1	0.00241
	Fina	0.025516	0.02531	0.025414	0.025413	0.000103
	6SL 0.5	0.004065	0.005058	0.004562	0.004562	0.000496
	6SL 1.0	0.003217	0.001611	0.002405	0.002411	0.000803
PCNA/β-actin	Con	0.082634	0.079834	0.081249	0.081239	0.0014
	BPH	0.998171	1.001823	1.000006	1	0.001826
	Fina	0.35089	0.34736	0.349147	0.349132	0.001765
	6SL 0.5	0.654035	0.67149	0.662682	0.662736	0.008728
	6SL 1.0	0.648875	0.658303	0.653566	0.653582	0.004714

Supplementary data 3.

A. Relative protein level of p-Rb and E2F1

		1	2	3	Average	STDEV
p-Rb/β-actin	Con	0.738378	0.724048	0.731167	0.731198	0.007165
	BPH	1.00202	0.997988	0.999992	1	0.002016
	Fina	0.655888	0.657941	0.656918	0.656916	0.001026
	6SL 0.5	0.755866	0.759546	0.757689	0.7577	0.00184
	6SL 1.0	0.817904	0.837647	0.827731	0.827761	0.009871
E2F1/β-actin	Con	0.168307	0.195236	0.181701	0.181748	0.013465
	BPH	0.992808	1.007221	0.999971	1	0.007206
	Fina	0.222529	0.225437	0.223996	0.223987	0.001454
	6SL 0.5	0.152795	0.162743	0.157804	0.157781	0.004974
	6SL 1.0	0.13951	0.137794	0.138662	0.138655	0.000858

B. Relative protein level of Cyclin A, Cdk2, Cyclin D1 and Cdk6

		1	2	3	Average	STDEV
Cyclin A/β-actin	Con	0.014724	0.016188	0.01544	0.015451	0.000732
	BPH	0.974503	1.02605	0.999446	1	0.025778
	Fina	0.022928	0.013648	0.018272	0.018283	0.00464
	6SL 0.5	0.026949	0.027262	0.027102	0.027104	0.000156
	6SL 1.0	0.040887	0.037225	0.039024	0.039045	0.001831
Cdk2/β-actin	Con	0.016609	0.017944	0.017285	0.017279	0.000667
	BPH	1.013841	0.986295	0.999864	1	0.013773
	Fina	0.239212	0.250837	0.245156	0.245069	0.005813
	6SL 0.5	0.706553	0.681677	0.693938	0.694056	0.012438
	6SL 1.0	0.260556	0.232279	0.246132	0.246322	0.014139
Cyclin D1/β-actin	Con	0.142248	0.137735	0.140022	0.140002	0.002256
	BPH	0.981202	1.018977	0.999821	1	0.018888
	Fina	0.83125	0.812411	0.82183	0.82183	0.009419
	6SL 0.5	0.541033	0.575316	0.557923	0.558091	0.017142
	6SL 1.0	0.372308	0.375464	0.373912	0.373895	0.001578
Cdk6/β-actin	Con	0.065731	0.066908	0.066321	0.06632	0.000589
	BPH	1.005527	0.994487	0.999986	1	0.00552
	Fina	0.198023	0.203469	0.200715	0.200736	0.002723
	6SL 0.5	0.504562	0.494734	0.499601	0.499632	0.004914
	6SL 1.0	0.460078	0.456271	0.458181	0.458177	0.001903

Supplementary data 4.**A. MTT assay**

6SL (μ M)	1	2	3	4	5	6	Average	STDEV
DMSO	95.89928	99.20863	101.0791	101.0791	99.92806	102.8058	100	2.351539
3.125	89.4964	90.28777	106.1151	91.51079	92.66187	93.30935	93.89688	6.152054
6.25	88.20144	93.16547	92.30216	92.15827	90.5036	91.29496	91.27098	1.75791
12.5	94.17266	92.94964	99.56835	99.4964	98.1295	98.27338	97.09832	2.830793
25	95.03597	101.0791	104.6043	109.8561	99.35252	98.63309	101.4269	5.181138
50	89.20863	88.99281	98.48921	89.92806	98.1295	95.17986	93.32134	4.482059
100	79.71223	82.73381	88.77698	89.13669	88.48921	88.92086	86.29496	4.048705
200	75.03597	79.78417	76.04317	84.82014	77.05036	79.64029	78.72902	3.541634

B. Relative protein level of AR and PSA

	1	2	3	Average	STDEV	
AR/ β -actin	-	1.006062	0.993963	0.999976	1	0.00605
	6SL 12.5	0.525118	0.51865	0.521892	0.521887	0.003234
	6SL 25	0.401662	0.416059	0.40877	0.408831	0.007199
	6SL 50	0.15763	0.158329	0.157982	0.15798	0.00035
PSA/ β -actin	-	0.992419	1.007577	1.000004	1	0.007579
	6SL 12.5	0.121689	0.107801	0.114832	0.114774	0.006944
	6SL 25	0.225937	0.209017	0.217298	0.217417	0.008461
	6SL 50	0.061443	0.068214	0.06483	0.064829	0.003386

Supplementary data 5.

A. Relative protein level of p-Rb and E2F1

		1	2	3	Average	STDEV
p-Rb/β-actin	-	1.022446	0.977635	0.99992	1	0.022405
	6SL 12.5	0.479141	0.435467	0.4573	0.457303	0.021837
	6SL 25	0.507523	0.47675	0.492205	0.49216	0.015387
	6SL 50	0.380629	0.353555	0.367079	0.367088	0.013537
E2F1/β-actin	-	0.9902	1.009806	0.999995	1	0.009803
	6SL 12.5	0.319763	0.306186	0.312945	0.312965	0.006789
	6SL 25	0.353403	0.355337	0.354375	0.354372	0.000967
	6SL 50	0.164321	0.166728	0.165513	0.165521	0.001203

B. Relative protein level of Cyclin A, Cdk2 and Cyclin D1

		1	2	3	Average	STDEV
Cyclin A/β-actin	-	1.312585	0.742346	0.945069	1	0.289061
	6SL 12.5	0.895574	0.741525	0.810681	0.815927	0.077159
	6SL 25	0.834412	0.727465	0.777179	0.779686	0.053518
	6SL 50	0.548709	0.750237	0.633269	0.644072	0.101197
Cdk2/β-actin	-	0.990932	1.009078	0.99999	1	0.009073
	6SL 12.5	0.794188	0.800509	0.797345	0.797347	0.00316
	6SL 25	0.908676	0.883768	0.896052	0.896165	0.012454
	6SL 50	0.45015	0.465889	0.45792	0.457986	0.00787
Cyclin D1/β-actin	-	1.181475	0.819895	0.998629	1	0.180794
	6SL 12.5	1.561353	1.497086	1.528981	1.52914	0.032133
	6SL 25	1.390017	1.106845	1.250778	1.249213	0.141593
	6SL 50	0.585695	0.239658	0.410908	0.412087	0.173022