

# S14 Fig

A

## Androgen Deprivation

### Top 10 motifs associated with MED19 in MED19 LNCaP cells

Motif	Match	% peaks with motif (% background)	p-value
	FOXM1	43.29% (13.49%)	1E-1241
	FOXA1	43.54% (14.01%)	1E-1199
	FOX:Ebox	35.08% (9.44%)	1E-1144
	FOXA2	33.99% (9.15%)	1E-1100
	FOXA3	21.35% (3.88%)	1E-966
	FOXK1	32.13% (12.63%)	1E-603
	FOXL2	29.98% (11.72%)	1E-559
	FOXF1	31.62% (13.02%)	1E-544
	FOXO3	25.90% (9.31%)	1E-540
	HOXB13	30.52% (12.80%)	1E-503

### Top 10 motifs associated with AR+MED19 in MED19 LNCaP cells

Motif	Match	% peaks with motif (% background)	p-value
	FOXM1	40.33% (13.35%)	1E-1010
	FOXA1	40.76% (13.78%)	1E-993
	FOX:Ebox	32.26% (9.05%)	1E-951
	FOXA2	31.34% (8.75%)	1E-924
	FOXA3	19.06% (3.69%)	1E-778
	FOXK1	30.29% (12.54%)	1E-493
	FOXO3	24.30% (8.98%)	1E-464
	FOXF1	30.09% (12.99%)	1E-452
	FOXL2	28.00% (11.56%)	1E-451
	HOXB13	29.04% (12.61%)	1E-427

### Top 10 motifs associated with AR in MED19 LNCaP cells

Motif	Match	% peaks with motif (% background)	p-value
	FOXM1	48.17% (16.53%)	1E-11572
	FOXA1	48.74% (17.25%)	1E-11246
	FOXA2	36.63% (11.04%)	1E-9671
	FOX:Ebox	36.01% (11.06%)	1E-9245
	FOXA3	22.14% (4.82%)	1E-7817
	FOXK1	36.20% (15.49%)	1E-5519
	FOXF1	36.89% (16.43%)	1E-5231
	FOXL2	34.24% (14.63%)	1E-5155
	FOXO3	29.29% (11.46%)	1E-5002
	FOXP1	19.70% (6.37%)	1E-4272

### Top 10 motifs associated with AR in control LNCaP cells

Motif	Match	% peaks with motif (% background)	p-value
	FOXM1	51.95% (17.80%)	1E-13806
	FOXA1	52.59% (18.46%)	1E-13582
	FOXA2	38.97% (11.88%)	1E-11052
	FOX:Ebox	38.13% (11.66%)	1E-10708
	FOXA3	23.52% (5.01%)	1E-9172
	FOXK1	38.55% (16.81%)	1E-6191
	FOXF1	39.71% (17.86%)	1E-6058
	FOXL2	36.74% (15.91%)	1E-5898
	FOXO3	31.17% (12.41%)	1E-5611
	FOXP1	20.79% (6.89%)	1E-4704

B

## R1881 Treatment

### Top 10 motifs associated with MED19 in MED19 LNCaP cells

Motif	Match	% peaks with motif (% background)	p-value
	FOXM1	33.39% (9.94%)	1E-1241
	FOXA1	33.58% (10.08%)	1E-1199
	FOXA2	26.96% (6.94%)	1E-1144
	FOX:Ebox	28.15% (8.36%)	1E-1100
	FOXA3	16.16% (2.83%)	1E-966
	FOXK1	24.82% (9.61%)	1E-603
	FOXL2	22.45% (8.28%)	1E-559
	FOXO3	20.23% (6.97%)	1E-544
	FOXF1	23.43% (8.98%)	1E-540
	FOXP1	14.15% (3.98%)	1E-503

### Top 10 motifs associated with AR+MED19 in MED19 LNCaP cells

Motif	Match	% peaks with motif (% background)	p-value
	FOXM1	40.21% (12.65%)	1E-1256
	FOXA1	39.90% (12.54%)	1E-1245
	FOXA2	31.56% (8.66%)	1E-1111
	FOX:Ebox	32.77% (9.72%)	1E-1054
	FOXA3	18.40% (3.57%)	1E-871
	FOXK1	29.61% (12.11%)	1E-572
	FOXL2	27.44% (10.73%)	1E-566
	FOXO3	24.14% (8.91%)	1E-537
	FOXF1	28.58% (11.83%)	1E-537
	FOXP1	16.54% (4.94%)	1E-482

### Top 10 motifs associated with AR in MED19 LNCaP cells

Motif	Match	% peaks with motif (% background)	p-value
	FOXM1	49.90% (17.77%)	1E-17196
	FOXA1	54.78% (21.74%)	1E-16623
	FOXA2	37.10% (12.13%)	1E-13161
	FOX:Ebox	36.65% (12.13%)	1E-12620
	FOXA3	21.61% (5.14%)	1E-10356
	ARE	11.30% (1.64%)	1E-8151
	GRE	12.06% (1.96%)	1E-7944
	FOXK1	37.27% (16.98%)	1E-7551
	FOXL2	34.99% (15.61%)	1E-7265
	FOXF1	37.66% (17.62%)	1E-7238

### Top 10 motifs associated with AR in control LNCaP cells

Motif	Match	% peaks with motif (% background)	p-value
	FOXM1	51.99% (18.22%)	1E-18076
	FOXA1	56.90% (22.30%)	1E-17426
	FOXA2	38.34% (12.41%)	1E-17287
	FOX:Ebox	37.92% (12.55%)	1E-13500
	FOXA3	22.39% (5.24%)	1E-12900
	FOXK1	38.41% (17.26%)	1E-10640
	FOXF1	38.98% (17.90%)	1E-7835
	FOXL2	36.13% (16.02%)	1E-7643
	ARE	10.70% (1.58%)	1E-7435
	GRE	11.53% (1.94%)	1E-7354