

Supplemental Table 3A

OIM_d1 No Overlap B39_d1				
Motifs	P-value	Best Match	Overlaps	
	1.00E-14	SP1	KLF4	
	1.00E-14	RUNX	RUNX1	RUNX2
	1.00E-11	SMAD3	E2F1	E2A
	1.00E-11	MAZ	SP1	SP4
	1.00E-10	EGR	SP1	BCL6
	1.00E-10	NKX2	STAT3	
	1.00E-07	STAT3	SPI1	STAT6
	1.00E-06	NKX2	SP4	ETS
OIM_d2 No Overlap B39_d2				
	1.00E-12	MAZ	RUNX	EGR
	1.00E-12	NR2F2	E2F	RARA
	1.00E-12	NKX3	STAT3	
	1.00E-11	PRDM1	SMAD2	SMAD3
	1.00E-10	NHLH1	SP1	E2A
	1.00E-08	EGR2	EGR1	SMAD3
	1.00E-08	E2F1	E2F4	E2F6
	1.00E-08	RFX1	E2F	YY1
	1.00E-08	SPI1	RFX4	ETS1
	1.00E-08	CEBPb	CRX	CEBPa
	1.00E-07	RXR	PPARg	TR4
	1.00E-07	KLF4	RUNX1	RUNX2

### Supplemental Table 3B

B39_d1 No Overlap OIM_d1		P-value	Best Match	Overlaps	
Motif					
GGG <u>T</u> GGAG <u>ϕ</u> T <u>ϕ</u> TGG	1.00E-14	GC	KLF4	BCL6	
<u>T</u> TCCGGGTC <u>A</u> G	1.00E-11	ELK4	ETS		
<u>A</u> G <u>ϕ</u> A <u>G</u> TAA <u>c</u> AA <u>A</u> T	1.00E-10	FOXA2	SOX1	SOX4,5,6	
<u>A</u> T <u>ϕ</u> GCTCT <u>A</u> TAG <u>A</u> G	1.00E-08	TBP	DCE	E2F2	
CT <u>T</u> CCTCC <u>G</u> GC <u>ϕ</u> ACT	1.00E-08	SPI1	ETS		
A <u>G</u> GGGC <u>G</u> GG <u>G</u> GCAAGT	1.00E-06	E2F2	E2F3		
ACA <u>ϕ</u> A <u>G</u> <u>ϕ</u> GCGCA	1.00E-06	KLF7	BCL6	SP1	
B39_d2 No Overlap OIM_d2					
GGG <u>A</u> CGCC <u>A</u> AAA	1.00E-14	E2F	E2F2	E2F3	
TGGAGGGGG <u>G</u> CC <u>T</u>	1.00E-12	MAZ	SP4	EGR	
ATT <u>A</u> TA <u>C</u> T <u>C</u> ACA	1.00E-12	SOX30	SRY	NKX3	
AGG <u>ϕ</u> GG <u>A</u> STA	1.00E-11	ZEB1	E2F	EGR	
G <u>C</u> AA <u>T</u> CCAA <u>C</u> T <u>ϕ</u>	1.00E-11	EGR1	BRCA1	NFIC	
G <u>T</u> AGGAAGGT <u>A</u> T	1.00E-11	SPI1	ETC		
CTGGGGGCGG <u>C</u> CA	1.00E-11	BCL6	EGR	SP4	
CCCACACGG <u>C</u> CCC	1.00E-10	PLAG1	SP1	EGR	
C <u>G</u> CACG <u>C</u> CCAG <u>C</u> CC	1.00E-09	ARNT	SMAD3	EGR	