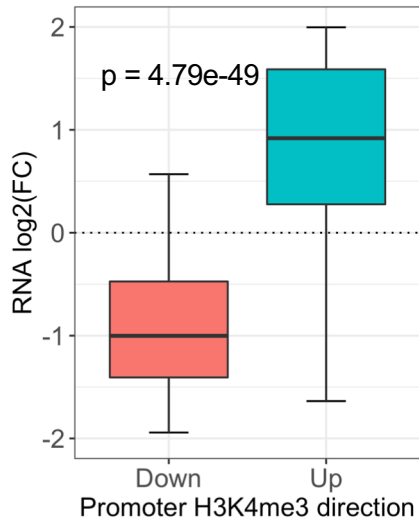
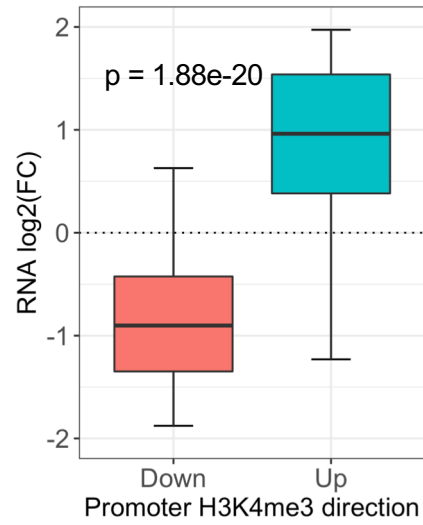
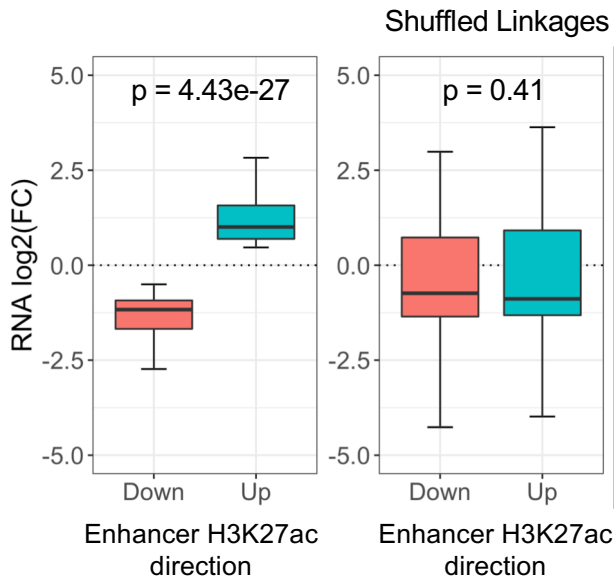
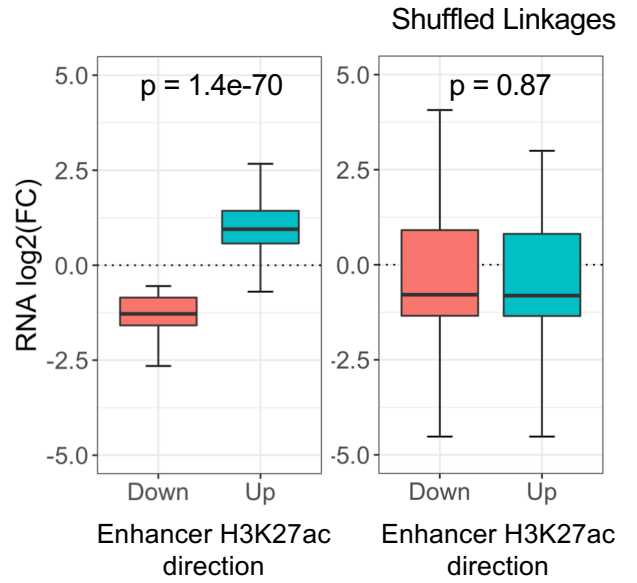
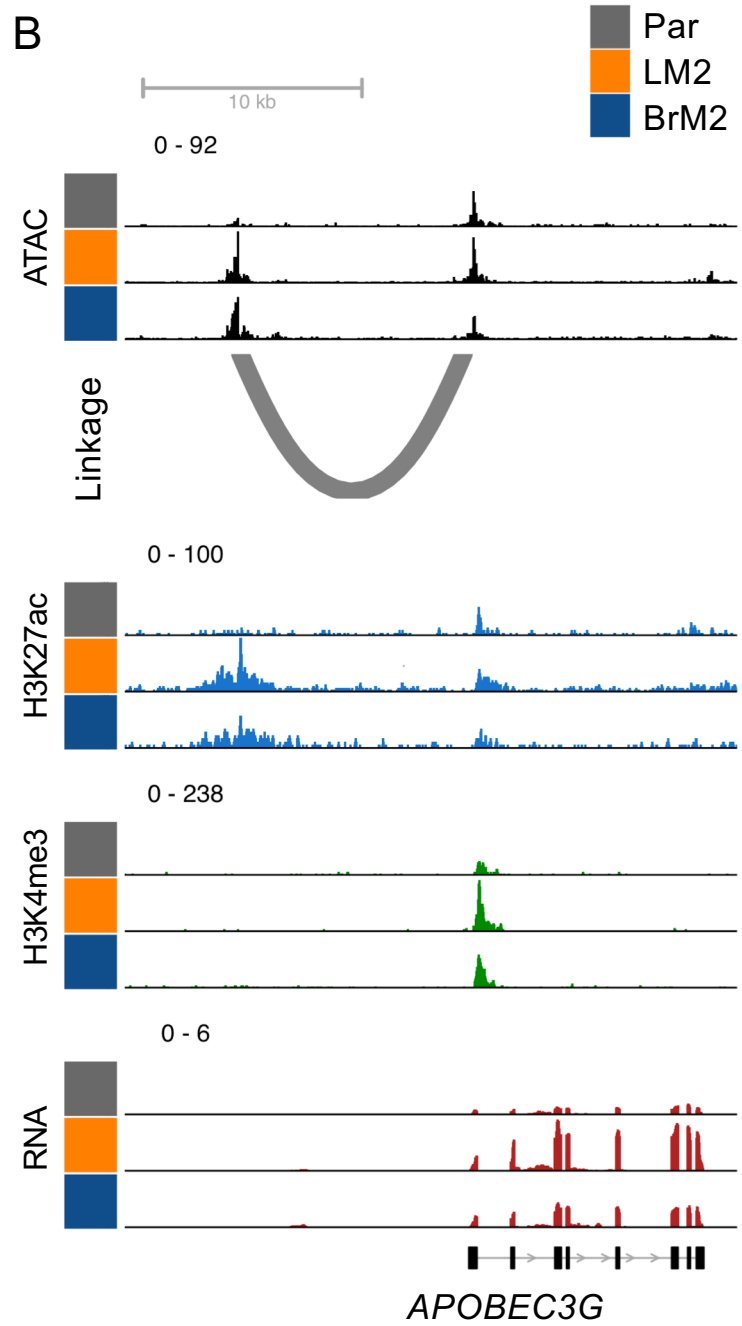
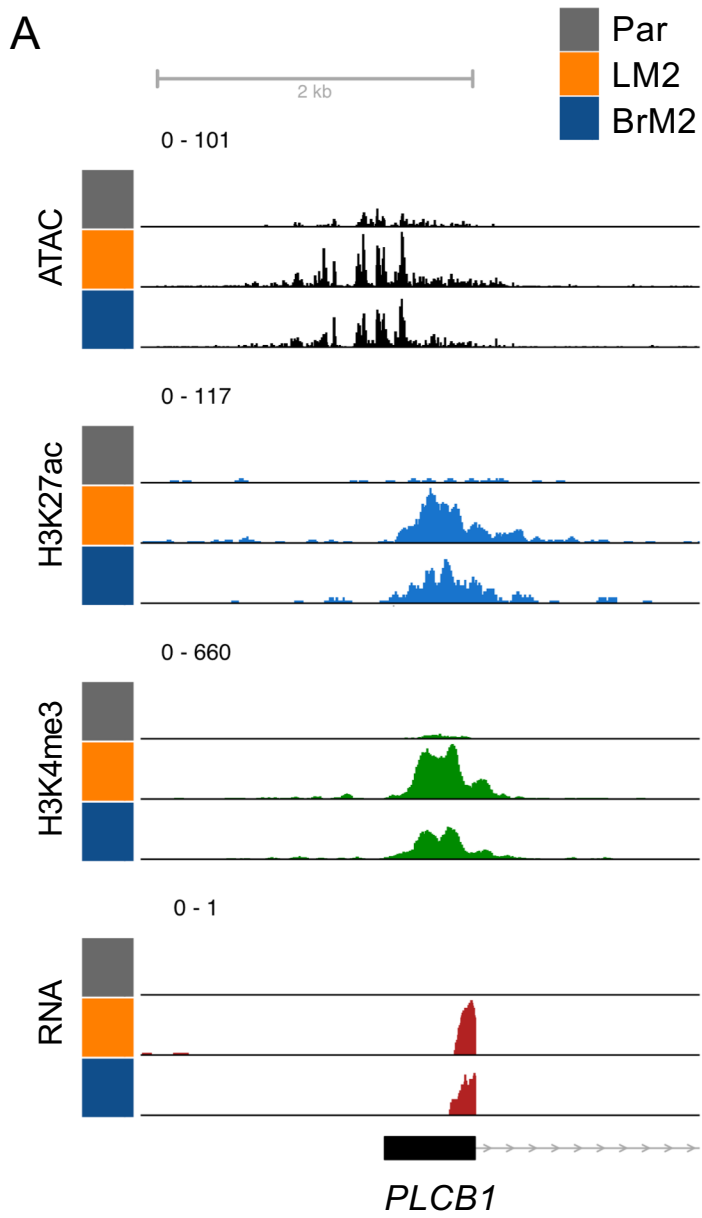
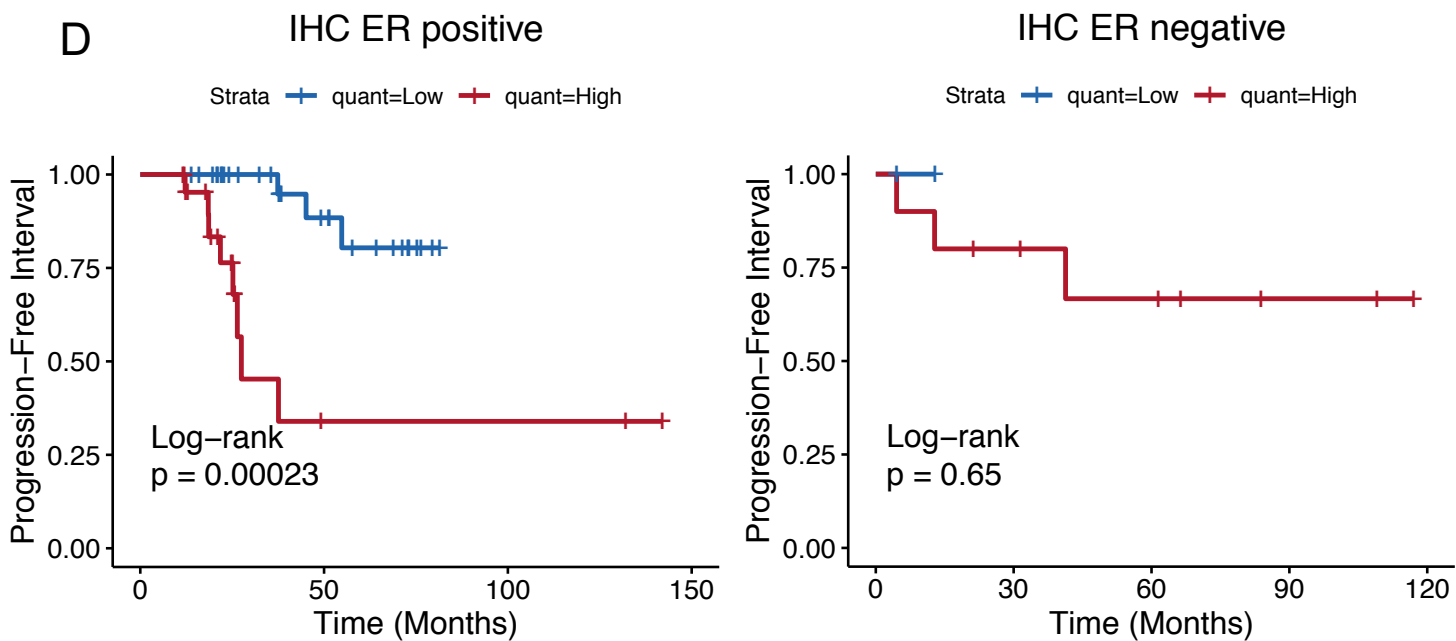
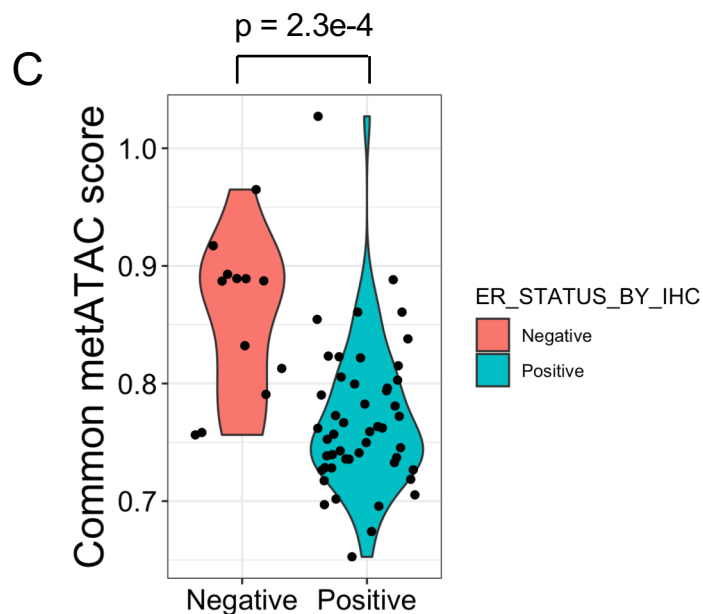
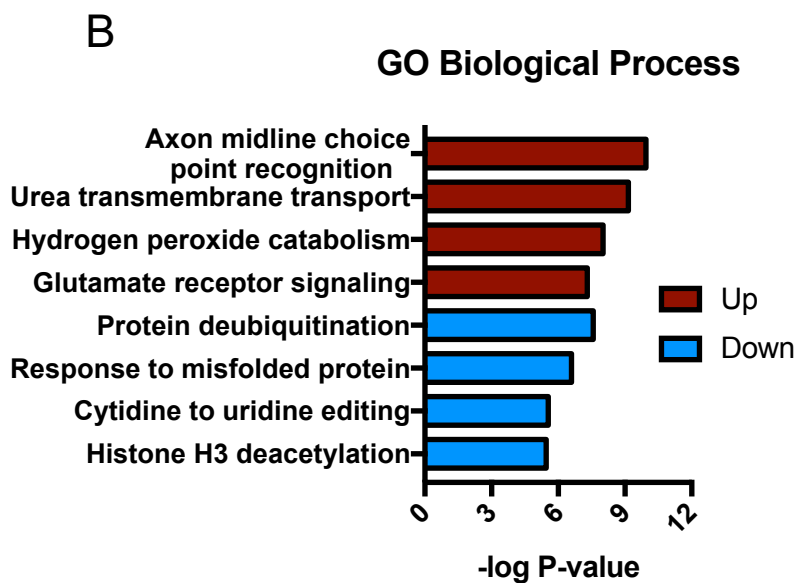
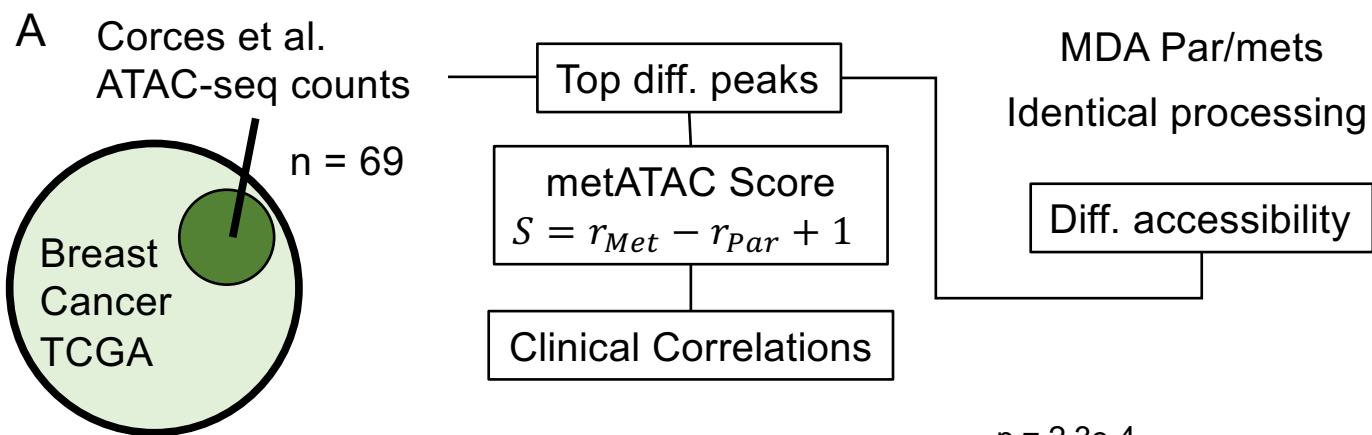


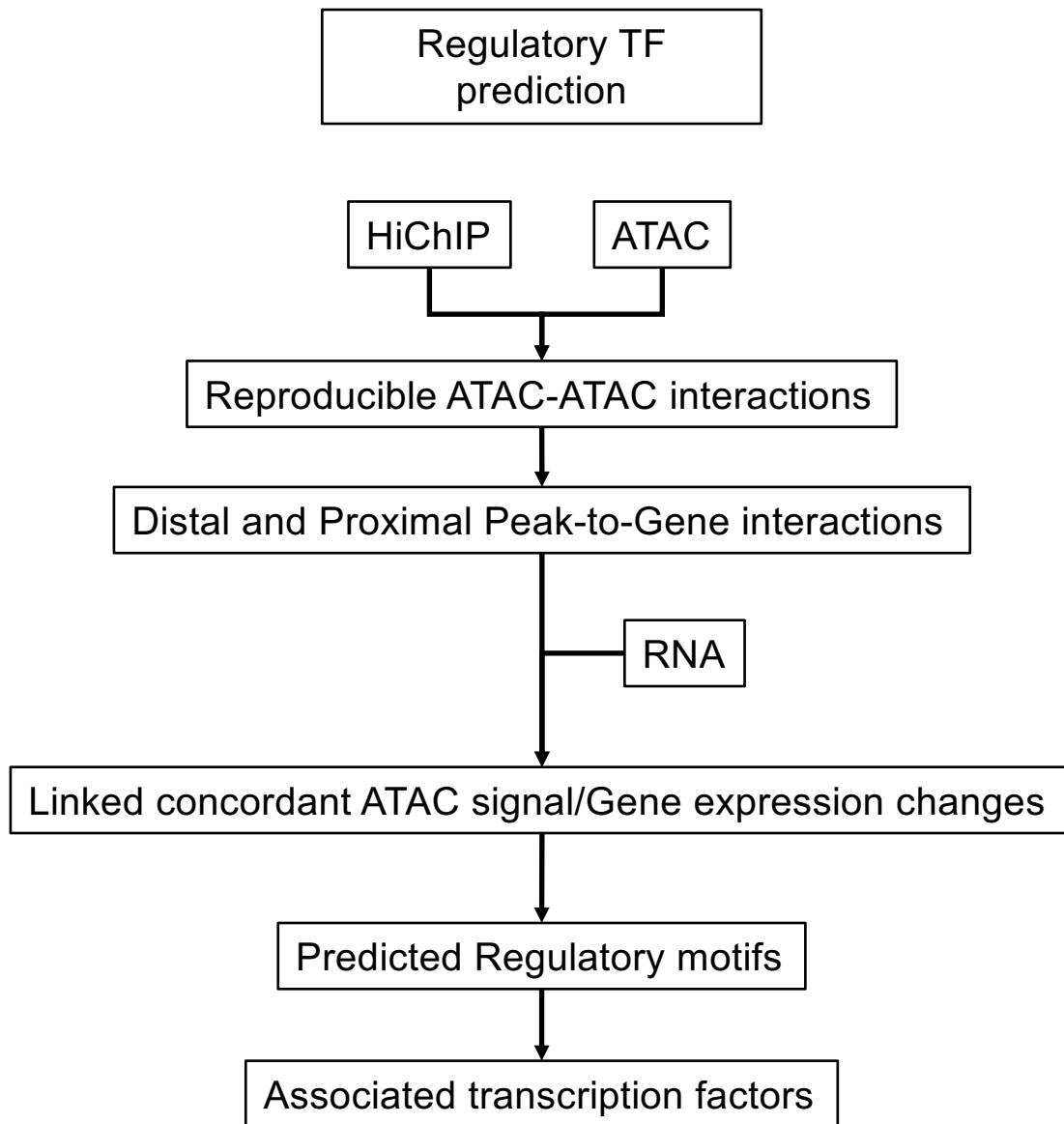
**A****LM2****B****BrM2****C****LM2****D****BrM2**



Supplemental Figure 2



Supplemental Figure 3

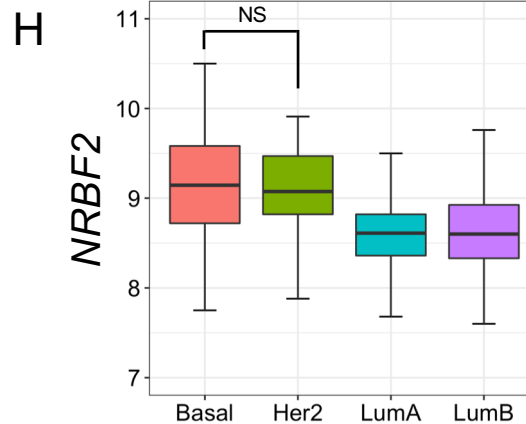
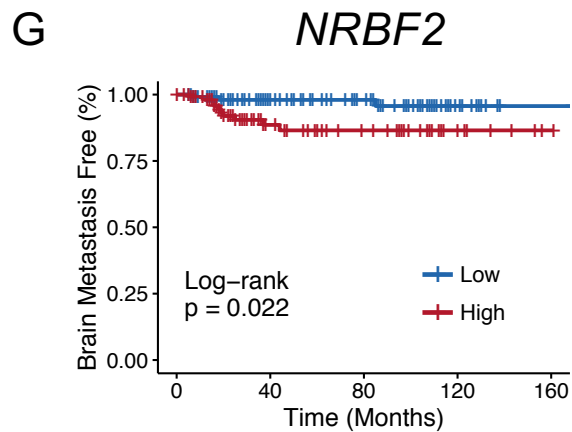
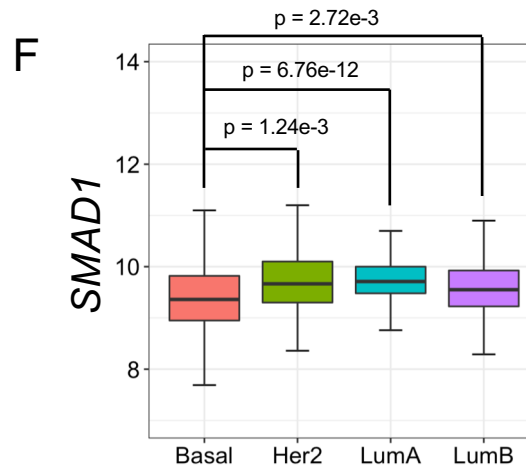
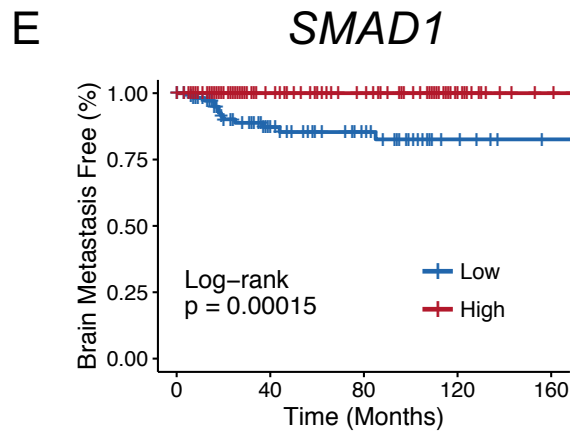
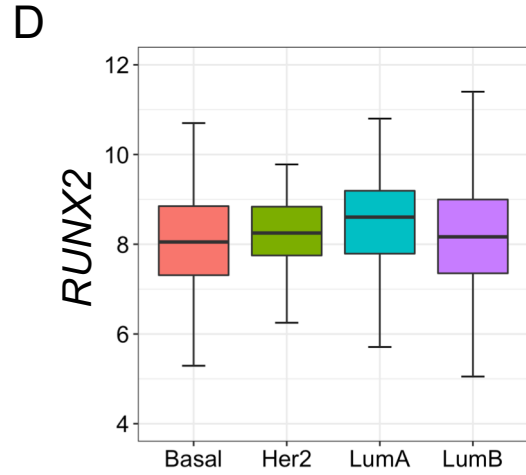
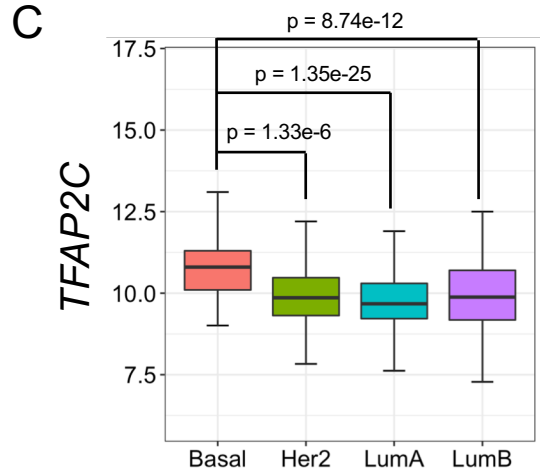
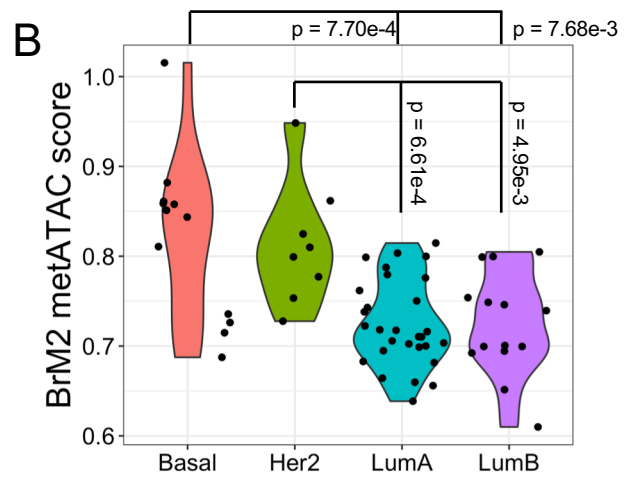
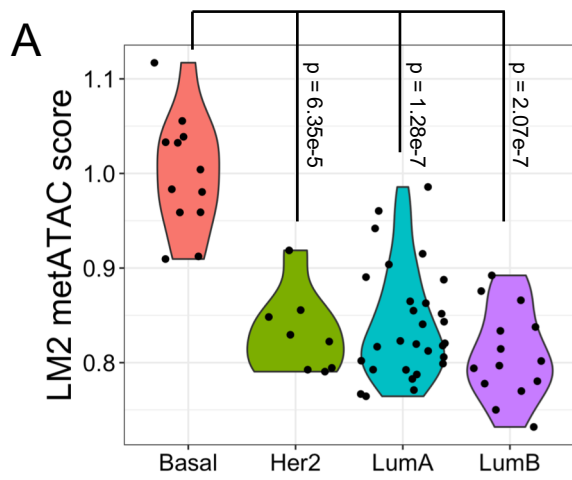


A

LM2 Gained	Shared Gained		BrM2 Gained			TF Cluster
<i>TFAP2A</i>	<i>EHF</i>	<i>AR</i>	<i>FOXA1</i>	<i>BACH1</i>	<i>ATF4</i>	AP-2_cluster_6
<i>TFAP2C</i>	<i>ELF1</i>	<i>NR3C1</i>	<i>FOXA2</i>	<i>BACH2</i>	<i>CEBPB</i>	HOX-related factors_cluster_10
<i>TFAP2E</i>	<i>ELF2</i>	<i>NR3C2</i>	<i>FOXA3</i>	<i>BATF</i>	<i>CEBPD</i>	Ets-related factors_cluster_16
<i>HOXB9</i>	<i>ELF3</i>	<i>BCL6</i>	<i>FOXC1</i>	<i>BATF3</i>	<i>CEBPG</i>	Steroid hormone (NR3)_cluster_19
	<i>ELF4</i>	<i>NFAT5</i>	<i>FOXF2</i>	<i>FOS</i>	<i>DBP</i>	STAT factors_cluster_24
	<i>ELK1</i>	<i>NFATC1</i>	<i>FOXJ2</i>	<i>FOSL1</i>	<i>NFIL3</i>	Forkhead box (FOX) factors_cluster_9
	<i>ELK3</i>	<i>NFATC2</i>	<i>FOXJ3</i>	<i>FOSL2</i>	<i>TEF</i>	POU domain factors_cluster_23
	<i>ELK4</i>	<i>NFATC3</i>	<i>FOXK1</i>	<i>JDP2</i>		Jun-related factors_cluster_1
	<i>ERF</i>	<i>NFATC4</i>	<i>FOXK2</i>	<i>JUN</i>		TEF-1-related factors_cluster_2
	<i>ETS1</i>	<i>RBPJ</i>	<i>FOXN3</i>	<i>JUNB</i>		C/EBP-related_cluster_5
	<i>ETS2</i>	<i>STAT1</i>	<i>FOXO1</i>	<i>JUND</i>		
	<i>ETV1</i>	<i>STAT3</i>	<i>FOXO3</i>	<i>MAFK</i>		
	<i>ETV3</i>	<i>STAT5A</i>	<i>FOXO4</i>	<i>NFE2L1</i>		
	<i>ETV4</i>	<i>STAT5B</i>	<i>FOXO6</i>	<i>NFE2L2</i>		
	<i>ETV5</i>	<i>STAT6</i>	<i>FOXP1</i>	<i>HNF4G</i>		
	<i>ETV6</i>	<i>ZNF75D</i>	<i>FOXP2</i>	<i>TEAD1</i>		
	<i>GABPA</i>		<i>FOXQ1</i>	<i>TEAD2</i>		
	<i>SPDEF</i>		<i>LIN54</i>	<i>TEAD3</i>		
	<i>ZBTB7A</i>		<i>POU2F1</i>	<i>TEAD4</i>		
	<i>ZKSCAN5</i>		<i>POU2F2</i>	<i>ZNF684</i>		
			<i>POU3F2</i>			

B

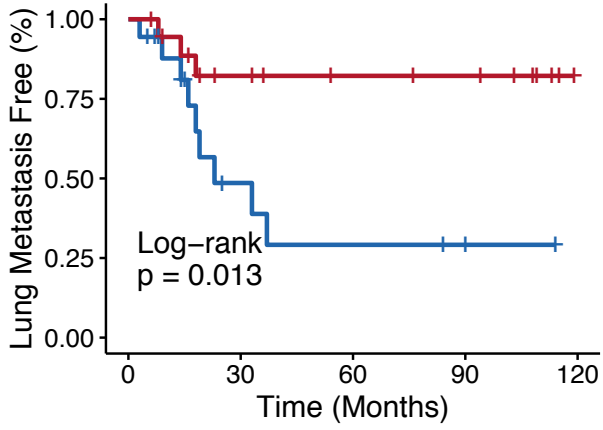
LM2 Lost				Shared Lost		BrM2 Lost	TF Cluster
<i>GATA2</i>	<i>BACH1</i>	<i>ARNT</i>	<i>MNT</i>	<i>RUNX1</i>	<i>RARA</i>	<i>SMAD1</i>	GATA-type zinc fingers_cluster_48
<i>GATA3</i>	<i>BACH2</i>	<i>ARNT2</i>	<i>MYC</i>	<i>RUNX2</i>	<i>RARB</i>	<i>SMAD3</i>	Nuclear factor 1_cluster_27
<i>GATA6</i>	<i>BATF</i>	<i>ARNTL</i>	<i>NPAS2</i>	<i>EGR1</i>	<i>RARG</i>	<i>SMAD4</i>	Nuclear factor 1_cluster_44
<i>HLTF</i>	<i>BATF3</i>	<i>ATF6</i>	<i>SREBF1</i>	<i>KLF10</i>	<i>NR2C2</i>	<i>SMAD5</i>	Paired-related HD factors_cluster_60
<i>MECOM</i>	<i>FOS</i>	<i>BHLHE40</i>	<i>SREBF2</i>	<i>KLF11</i>	<i>NR2F1</i>	<i>ZSCAN29</i>	Jun-related factors_cluster_77
<i>NFIB</i>	<i>FOSL1</i>	<i>BHLHE41</i>	<i>TCFL5</i>	<i>KLF12</i>	<i>NR2F6</i>	<i>RFX1</i>	Jun-related factors_cluster_1
<i>NFIC</i>	<i>FOSL2</i>	<i>CLOCK</i>	<i>TFE3</i>	<i>KLF13</i>	<i>RXRB</i>	<i>RFX2</i>	TEF-1-related factors_cluster_2
<i>NFIX</i>	<i>JDP2</i>	<i>CREB3</i>	<i>TFEB</i>	<i>KLF15</i>	<i>ESRRA</i>	<i>RFX3</i>	bHLH-ZIP factors_cluster_7
<i>HIC1</i>	<i>JUN</i>	<i>CREB3L1</i>	<i>USF1</i>	<i>KLF16</i>	<i>NR2C1</i>	<i>RFX5</i>	CREB-related factors_cluster_18
<i>HIC2</i>	<i>JUNB</i>	<i>CREB3L2</i>	<i>USF2</i>	<i>KLF2</i>	<i>NR2F2</i>	<i>RFX7</i>	Runt-related factors_cluster_57
<i>NFIA</i>	<i>JUND</i>	<i>CREB3L4</i>	<i>XBP1</i>	<i>KLF3</i>	<i>NR4A1</i>	<i>SIX1</i>	Krüppel-related_cluster_34
<i>THAP1</i>	<i>MAFK</i>	<i>HES1</i>	<i>ATF1</i>	<i>KLF4</i>	<i>NR4A2</i>	<i>SIX2</i>	NR1_cluster_30
<i>WT1</i>	<i>NFE2L1</i>	<i>HES2</i>	<i>ATF2</i>	<i>KLF5</i>	<i>NR6A1</i>	<i>TFCP2</i>	RXR-related (NR2)_cluster_20
<i>ZNF263</i>	<i>NFE2L2</i>	<i>HES6</i>	<i>ATF3</i>	<i>KLF6</i>	<i>RORA</i>		RXR-related (NR2)_cluster_4
<i>ZNF281</i>	<i>HNF4G</i>	<i>HIF1A</i>	<i>ATF7</i>	<i>KLF9</i>	<i>RORB</i>		RXR-related (NR2)_cluster_46
<i>NRF1</i>	<i>TEAD1</i>	<i>MAX</i>	<i>CREB1</i>	<i>MAZ</i>	<i>VDR</i>		NR3_cluster_55
	<i>TEAD2</i>	<i>MITF</i>	<i>CREB5</i>	<i>SP1</i>	<i>ESR2</i>		SMAD factors_cluster_15
	<i>TEAD3</i>	<i>MLX</i>	<i>CREM</i>	<i>SP2</i>	<i>PPARG</i>		RFX-related factors_cluster_26
	<i>TEAD4</i>	<i>MLXIP</i>	<i>GMEB2</i>	<i>SP3</i>			Grainyhead-related factors_cluster_51
	<i>ZNF684</i>	<i>MLXIPL</i>		<i>SP4</i>			
				<i>ZBTB14</i>			
				<i>ZNF148</i>			
				<i>ZNF740</i>			



Supplemental Figure 6

### A *RUNX2* Basal

Strata  
+ quant=Low  
+ quant=High



### B *JUN* Basal

Strata  
+ quant=Low  
+ quant=High

