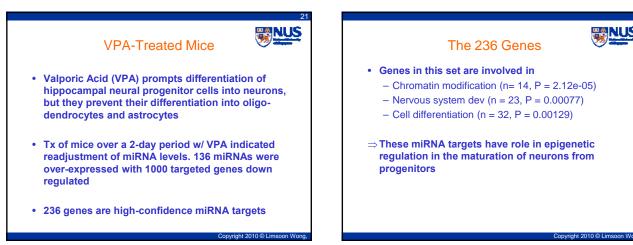
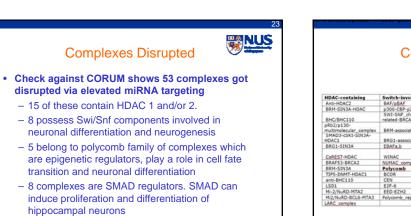


NUS

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Caveat: These are the best-matching human complexes, not mouse!

Complexes Disrupted

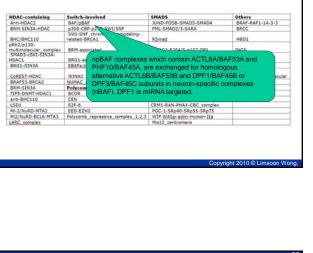


HDAC-containing	Switch-involved	SMADS	Others
Anti-HDAC2	BAF/p8AF	JUND-FOSB-SMAD3-SMAD4	BRAF-RAF1-14-3-3
BRM-SIN3A-HDAC	p300-CBP-p270-SWI/SNF	PML-SMAD2/3-SARA	BRCC
BHC/BHC110	SWI-SNF_chromatin_remodeling- related-BRCA1	RSmad	H801
pRb2/p130- multimolecular_complex	BRM-associated	SMAD3-E2F4/5-p107-DP1	ING5
SMAD3-cSKI-SIN3A- HDAC1	BRG1-associated	SMAD3-HEF1-APC10-CDH1	ING4
BRG1-SIN3A	EBAFa,b	SMAD3-SMAD4-F0X03-F0XG1	hPRC1L
CoREST-HDAC	WINAC	SMAD3-SMAD4-clun-cFos	KCNQ1_macromolecula
BRAF53-BRCA2	NUMAC_complex	SMAD3/4-E2F4/5-p107-DP1	p32-CBF-DNA
BRM-SIN3A	Polycomb	Others	MUL1-WDR5
TIPS-DNMT-HDAC1	BCOR	Ubiquitin E3_ligase	MNK1-eIF4F
anti-BHC110	CEN	SNARE complex	MOF
LSD1	E2F-6	CRM1-RAN-PHAX-CBC complex	1000 C
Mi-2/NuRD-MTA2	EED-EZH2	PGC-1-SRp40-SRp55-SRp75	
MI2/NuRD-BCL6-MTA3	Polycomb repressive complex 1.2.3	WIP-WASp-actin-myosin-IIa	
LARC complex		Mis12 centromere	

	Complexe			
HDAC-containing	Switch-involved	SHADS		Others
Anti-HDAC2	BAF/pBAF	JUND-FOSB-SMAD3-SM	AD4	BRAF-RAF1-14-3-3
BRM-SIN3A-HDAC	p300-CBP-p270-SWI/SNF	PML-SMAD2/3-SARA		BRCC
	SWI-SNF_chromatin_remodeling-			
BHC/BHC110	related-BRCA1	RSmad		HBO1
pRb2/p130- multimolecular complex	BRM-associated	SMAD3-E2F4/5-p107-D		INGS
SMAD3-cSkI-SIN3A-	DAM-associated	5/1AU3-62F4/5-p107-D	-1	1105
HDAC1	BRG1-associated	SMAD3-HEF1-APC10-CD	H1	ING4
BRG1-SIN3A	EBAFa,b	SMAD3-SMAD4-FOX03-		hPRC1L
COREST-HDAC	WINAC	SMAD1-CH	56	KCNQ1_macromolec
BRAFS3-BRCA2			DP1	p32-CBF-DNA
BRM-SIN3A The	e component in HPRC1L the	at is miRNA		MLL1-WDR5
TIPS-DNMT-HDAC	ressed (E3 ubiquitin-proteir	ligase RING2) is		MNK1-eIF4F MOF
			olex	MOP
LSU1 enr	iched in differentiating ES of	cells. Its repression		
Mi-2/NuRD-MTA2	speculated to have opposite	effect - that is.		
Mi-2/NuRD-MTA2 Mi2/NuRD-BCL6-7 IS S	peculated to have opposite intain the cells in a non-diffe		la .	

	(Complexe	s Disrupted		
	```	Joinbieve	s Distupleu		
HDAC-containing	Switch-in		SMADS	Oth	
Anti-HDAC2	BAF/pBA		JUND-FOSB-SMAD3-SMAD4		AF-RAF1-14-3-3
BRM-SIN3A-HDAC		-p270-SWI/SNF	PML-SMAD2/3-SARA	BR	CC
BHC/BHC110	SWI-SNF related-Bi	_chromatin_remodeling-	RSmad	HB	
pRb2/p130-	reaced-bi		Kamag	no	/1
multimolecular complex	BRRID	and a second	SMAD3-E2F4/5-p107-DP1	ING	5
SMAD3-cSKI-SIN3A-					7
HDAC1	BRG1-ast	ociated	SMAD3-HEE1-APC10-CDH1	ING	4
BRG1-SIN3A	EBAFa,b	DUC sesterils ave			CIL
CoREST-HDAC	WINAC		ression of neuron-specific		1 macromolecular
BRAFS3-BRCA2	NUMAC 4	genes and neuror	nal differentiation. The		1_macromolecular
BRM-SIN3A	Polycom	component that is	miRNA repressed, PHF2	1A. is	-WDRS
TIPS-DNMT-HDAC1	BCOR				1-elF4F
anti-BHC110	CEN		entiating ES cells. Its repre		r-drivel.
LSD1	E2F-6	is speculated to h	ave the opposite effect - t	hat is,	
	EED-EZH	maintain the cells	in a non-differentiated sta	nto .	
Mi-2/NuRD-MTA2					/
Mi-2/NuRD-MTA2					
Mi-2/NuRD-MTA2 Mi2/NuRD-BCL6-MTA3 LARC complex	Polycomb		Mis12 centromere		

	Concl	usions
hers PAF-RAF-1-14-3-3 RCC A and or exes	<ul> <li>miRNAs play impt role regulating formation of complexes         <ul> <li>Anti-coexpressed miRNAs tend to regulate direct partners of hubs</li> <li>MiRNA disruption of complexes is a controlled and specific event</li> </ul> </li> </ul>	<ul> <li>In VPA-treated mice, miRNAs disrupt neuron-specific and neuron-differentiating complexes</li> <li>The small # of disrupted complexes, and their precise roles, reaffirms miRNA action as precise</li> </ul>
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Complexes Disrupted

