

... n ...
 ...
 ... 1. ... n ...
 ...
 ... 2. ...
 ...
 C 4 | 2, ... n ...
 ...
 ...
 ... 3, 4. ... 5 ...
 ...
 (H3K4 3), ... H3 | 4
 ... C 4, ... A G ...
 ... H3K4 3 | ...
 ... H3 | 27 (H3K27 3)
 ... n ...
 ...
 ...
 A ... n- n- ...
 ... n- ...

6.
 7 14.
 (C)
 15,
 (G) J JD3
 16^{I K4A},
 2 (C2)
 27.
 H3, E H2,
 1 (C1), (CB)
 B II,
 27 (H3K27 3)
 16.
 CDK 2
 (n16^{I K4A} n19^{A F})
 H3K27 3, G
 C2
 CDK 2,
 C1
 n16^{I K4A}
 n16^{I K4A}
 16, 17.
 J JD3
 H3K27 3 CDK 2,
 n16^{I K4A}
 18.
 19.
 C, H3K27 3
 H3K4 3 t
 4 (FAB 4)
 - γ 2 (A γ 2)
 S
 H3 S
 9
 27, t
 I
 G B II
 C E
 C 20. E H2, EED
 C2 n, S
 E2F
 21. I
 S
 EED E H2
 E2F
 B-E2F
 22. E2F

B
 23.
 G J JD3
 HDAC t G J JD3
 n C

Materials and methods

C
 H t C (gAD- C) 23
 C (g CB- C) 24
 AD- C
 B-
 20- 30-
 AD- C
 K- AC
 N-
 L- (0.2, -A- g).
 CB- C
 20 30-
 H n I
 C
 D E (I
 10% FB. A-
 AD- C (I B . 0611/001-001)
 CB- C (I B . 0603/001-002)
 S

A B C
 3-(4,5-
 -2-)-2,5- n

24 g | . . . | . . . A 72 g | . . . | . . .
 . . . | . . . A 72 g | . . . | . . .
 A β - | . . . | . . . n . . . | . . .

Cg- | . . . n n | . . . | . . .

Σ AD- C | . . . Σ CB- C | . . . 10- n | . . .
 | . . . 0.8×10^5 | . . . | . . .
 4 A- 2 | B 7 | . . . C- | . . .
 n | . . . | . . . | . . .
 5×10^5 - n 10- n | . . . | . . . 7 | . . .
 CgI | . . . n | . . . | . . .
 , n- - (CgI | . . . , n | B- Σ).
 Cg- | . . . n n | . . . | . . .
 . . . Σ | . . . | . . . C | . . .
 | . . . n | . . . | . . . 1:50, | . . .
 C n- | . . . | . . . n- | . . .
 $1.5 \pm 2\%$ | . . . | . . . Σ | . . .
 | . . . | . . . B- | . . .
 G-D | . . . (B- | . . .) . . . | . . . C
 | . . . | . . . | . . . C | . . .
 I | J | . . . | . . . (| . . . I- | . . .
 H | - Σ , A). E | Σ t | . . . n | . . .
 . . . t | . . . Σ n | . . . CgI | . . .
 - | . . . | . . . 2.

| . . . | . . .

A- n | . . . | . . . n- | . . .
 ($n = 3$), | . . . | . . . n | . . . \pm D.
 | . . . | . . . t | . . . | . . .
 (A- A), | . . . | . . . D | . . . n- | . . .
 . . . t | . . . A t | . . . $p < 0.05$ | . . .
 . . . | . . .

Results

n- | t | . . . Σ CB- | . . . Σ AD- C
 - | . . . HDAC, - C | . . . G

I- | . . . n- | t | . . . | . . . n | . . .
 - | . . . Σ CB- | . . . Σ AD- C | . . . t | . . . B | . . .
 Σ | . . . t | . . . n | . . . | . . .
 Σ | . . . C | . . . | . . . n- | . . .
 | . . . | . . . | . . . (F- 1). A
 Σ 19 Σ n | . . . | . . . Σ | . . . Σ CB- | . . .
 Σ AD- C | . . . n- | . . . Σ | . . . n | . . .
 | t | . . . | . . . | . . . n- | . . .
 | . . . | . . . Σ t | . . . n | . . . n- | . . .

| . . . | . . . t | . . . | . . . | . . .
 | . . . | . . . (A β - | . . .) | . . . (F- 1). Σ | . . .
 | . . . | . . . C | . . . t | . . . Σ | . . .
 | . . . n | . . . | . . . : | . . . (F- 10 n | . . .
 | . . .) | . . . (10- 15 n | . . .) | . . . (-
 Σ 16 n | . . .) . I | . . . t | . . . Σ CB-
 | . . . Σ AD- C | . . . n- | . . . t | . . . | . . .
 Σ 50% | . . . | . . . n | . . . C), | . . . Σ Σ
 - n- | . . . | . . . | . . . (F- 1). n | . . .
 Σ | . . . n- | . . . t | . . . HDAC1 | . . . HDAC2, n-
 | . . . t | . . . HDAC | . . . | . . . C | . . .
 | . . . | . . . n | . . . | . . . | . . . Σ
 HDAC | . . . t | . . . | . . . | . . . n- | . . . t
 | . . . | . . . Σ - | . . . | . . . | . . .
 C | . . . t | . . . I- | . . . A | . . . n- | . . .
 - t | . . . HDAC1, HDAC2 | . . . C | . . .
 | . . . n- | . . . t | . . . | . . . C (F- 1;
 F- 1A). I- | . . . | . . . t | . . . | . . .
 | . . . Σ - | . . . | . . . Σ n- | . . .
 | . . . (F- 1C).

- t | . . . Σ A | . . . n- | . . . t | . . .
 - G, Σ | B II, S | 12 | . . . E H2, | . . . J JD3
 Σ - | . . . Σ | . . . | . . . Σ CB-
 | . . . Σ AD- C | . . . A | . . . , n16^I K4A n- | . . .
 | . . . | . . . C | . . . I- | . . . | . . .
 - t | . . . SEED | . . . | . . . | . . . C,
 | . . . | . . . C | . . . | . . . (F- 1, Σ
 F- 1B). I- | . . . | . . . Σ Σ Σ n- | . . .
 - n16^I K4A n- | . . . | . . . | . . . 27- Σ
 Σ - | . . . H3 (H3K27), | . . . n | . . . CgI | . . .
 - n | . . . H3K27- | . . . Σ | . . . H3K4 (n t
 Σ - | . . . | . . . | . . . E H2 Σ -
 Σ | . . . | . . .) (F- 1). I | . . . t | . . . Σ n-
 - | . . . | . . . Σ | . . . Σ Σ | . . . H3K27
 (H3K27- 3), | . . . | . . . Σ | . . . t | . . . Σ -
 H3K4- 3.

I- | . . . | . . . Σ | . . . HDAC, - C | . . .
 G n- | . . . | . . . | . . . | . . .
 - | . . . | . . . n- | . . . t | . . . Σ | . . .
 - C | . . . A- | . . . t | . . . | . . . | . . .
 | . . . | . . . HDAC, - C | . . . G
 n- | . . . I- | . . . | . . . Σ | . . . | . . .
 | . . . | . . . | . . . | . . .
 A Σ | . . . F- 4, n- | . . . HDAC1 | . . . HDAC2
 n16- | . . . Σ - (-) B6 - t | . . . | . . . n | . . .
 | . . . Σ 50% | . . . | . . . Σ 3- | . . . | . . .
 I- | . . . | . . . G n- | . . . t | . . . 20 30% | . . .
 | . . . | . . . | . . . n- | . . . t | . . . C | . . .
 | . . . - t | . . . | . . . 10% | . . . | . . .
 | . . . | . . . H | . . . t | . . . | . . . n | . . . Σ n- | . . .
 - t | . . . C | . . . | . . . | . . . 60% | . . . | . . .
 - t | . . . (F- 4).

Discussion

n⁻ | t
n | t ± | 36, 37 , ε ε | n |
n | ε' | ε'
B_v n | n | t |
n | | 36,
37 . L | |
ε | n |
n | 6 .
| ε ε |
t | ε ε |
t | ε
ε - | n | ε' | ε , n ± |
ε | |
I | , t |
ε | n | ε
nn | t |
I ε' | n | ε' ε
n |
t | 38 .
H , ε' g CB- AD- C
ε | n | n -
t | t |
n16^{I K4A} n A β- t |
ε' C t |
ε 10 ε n | (. , 30 t) ,
n - |
15 , ε n
I ε , t HDAC ε
n (G) , B II ,
E H2 S 12 , n C ε
n I t |
t ± | n |
C A n |
C ε t |
A ε , t |
HDAC ,
C , B II S 12 .
n t S ε' HDAC n | n ± |
ε n |
C . I ε' HDAC
n C n |
n21^{CI 1 / AF1} n (CDK) ε ,
ε ε C
I ,
HDAC ε | ε |
n C . ε n t |
ε' n16^{I K4A} n | ε |
n21^{CI 1 / AF} , n |
ε CDK

[illegible]

5. G, J, C, H, GA, H3 4 27 C 1:299 312
6. B, B, EK, K, JJ, L, A (2009) C 21^{CI} / AF1 80(-/-) E B n 10:71 78
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16. n A, t L g (2006) n t C 6:846 856
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