e e a bee e e ece ad a ce c ce e e HCA e a b e e a a d e e e e .

C B

B e e ab . [a . ca e -161( )-361(ea a)-

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[redacted] ace. [illegible] ed b ac e e [illegible] b [illegible] e c a [illegible], a e [illegible] c
ce [illegible] d a [illegible] e b [redacted] ace a d [redacted] c ea [illegible] a c c
ce [illegible] a [illegible] ea [illegible] e e [illegible] e bed [redacted] ace. O [illegible] e b a [illegible] a [illegible]
ca e e c a [illegible] e ce [illegible] a [illegible] e b e a e b [illegible] e ca [illegible], a d

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e a e a a a 158 a be e ac e c e a ab ea a a a e b e e a za . C a c ac d, *p*- d c a c ac d (HCA), c ac d, ca e c ac d, 3,4-d e c a c ac d (DCA) a bee d be e e e a ab ea a . W e a e a e e ed a c a e e e c ac d , HCA a d e a e a e a -a ab c e ec b e e a za *in vitro* [26]. e a e HCA 164. W d ed a HCA a a ac e c e a ab ea a a e ea b e a ab c e ec .

CA B *In vitro*

C a c ac d e e a a a d . HCA a e ed a e- e ab c b a ce a a d , a d e zed e. e e ec c a c ac d e a ed c d , c e c e ca e a e F e 1, b e e ab e a ed *in vitro* a e a e [25]. A e e e c ac d , HCA a bee bee a e

e0376 d

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PTH[redacted] ed a dec ea e ca[redacted] c e a da c ea e e ac

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I add , e d a ea DNA c e a a dec ea ed STZ-d abe c a . Ad a HCA (2.5, 5, 10 /) ed a c ea e DNA c e e d a ea a d e a ea e STZ-d abe c a . DNA c e e b e e a de e be e b e ce [15]. HCA a a e a c ea e b e ce d e b a c ce e d a ea a d e a ea e STZ-d abe c a *in vivo*. a be a c b ed e c ea e b e ca c e STZ-d abe c a . P ab , e a e HCA a a a e ec e b a c b e a d abe c a e.

, e a e HCA a a e e e ec b e STZ-d abe c a a d a a e a e e ec b c e ca d e d abe c a e e a HCA a a e a e e ec d abe c a e. HCA a a e a e e e e a d ea e e d abe c a e.

A e ed ab e, HCA a bee de a ed a e a a ab c e ec b e a d e a e b a c b e a a d b e c a c b e e a d a a e a e e ec b e d ced OVX a d d abe c a . e e e a a e HCA a a e a e e e a d ea e e .

D e a d a a e c ca ac a e ce b e de e e a d a ed b e . P c e ca a d c a ac a a a e de a de e e a e b e d de a a d ea e e e a a ca c d . P c e *p*- d c a c ac d (HCA) a d a e e e e ec e a e b a c b e a a d e e c a c b e e *in vitro* a d e e e e ec b e , c ced a ec a d d abe e *in vivo*.

e d , a HCA a a e e c e ec , a e e d . M a ec a b c HCA a e e e e a d e e e c a e e a be ed a ed NF- B ac a . NF- B a a ac a a a a e a b e e a a ed a a c e . W e e HCA a a e ec e a c a d a e , e e , e a be c da ed.

HCA ad a e a e ec e e e a c a ed a e e c ac d (d c ac d, ca e c ac d, 3,4-d e c a c ac d), d ca a e a c e ca e a d e e c ac . P c e ca HCA a a e a a ac c ea e . HCA a a e e e ec a be de e ed. C ca d e b e d de a e e ec ed e e e e .

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