

B 1 r r - - D v S r

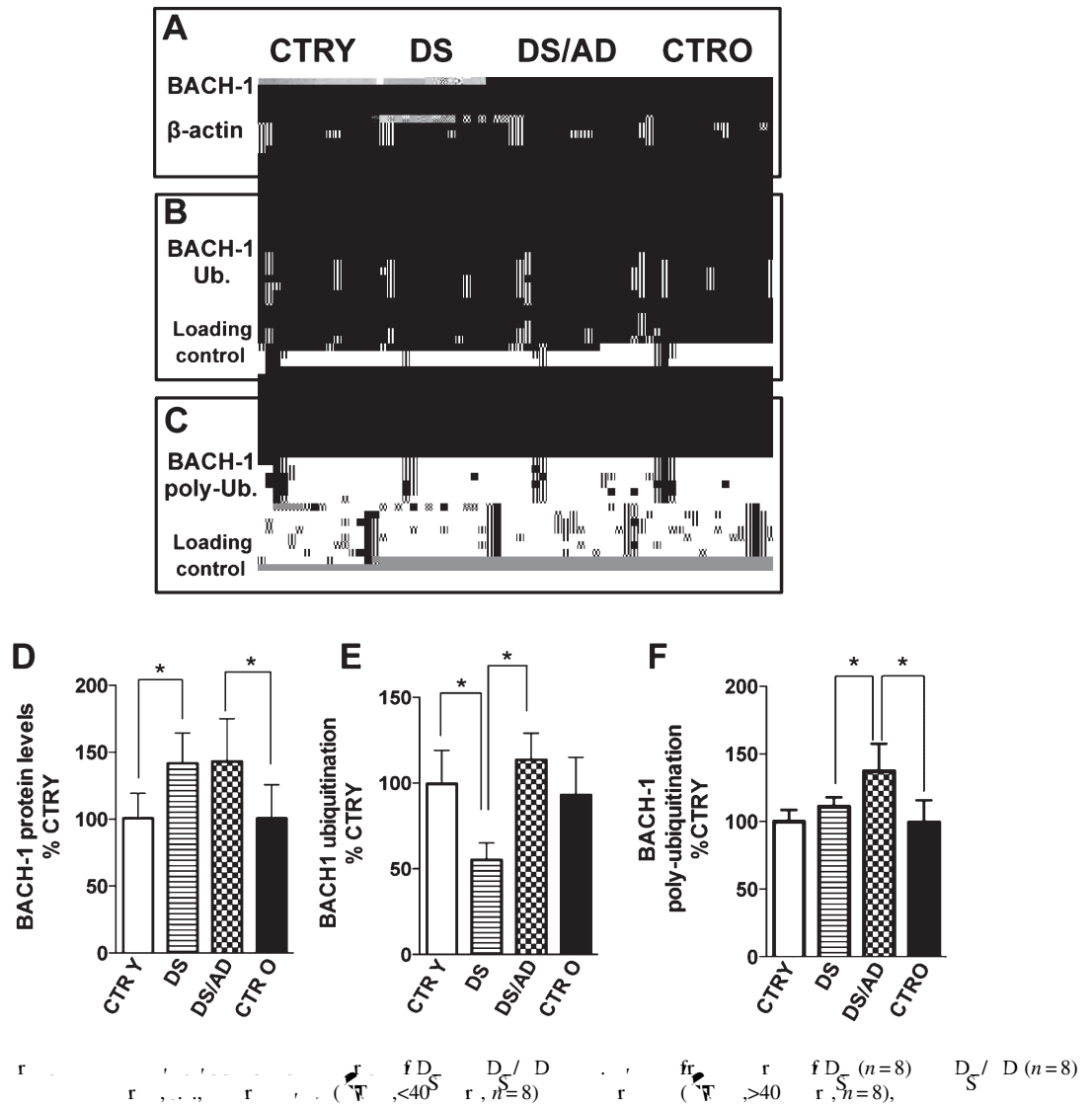
METHODS

Subjects

D_{S^1} (v. r. D
) v.r. fr
 f r r - r - D Br \mathbb{F} , r,
 E r r r D Br \mathbb{F} ,
 B f r D S D r r, r
 f r r' D r \mathbb{F} 1
 v. r r f D
 v.r. v.r., v. r v. r \mathbb{F}
 f r r f D.
 v. D S D v.r r f 40
 r. \mathbb{F} , f r S, r r, r v.r
 v. r, r r 40 r r
 r 40 r \mathbb{F} r r
 () v. ff r r r v. D S / D
 r r, v. r r
 r r (\mathbb{F} 1). \mathbb{F}
 v. r r r f r r
 r r r β
 f f D S 9, 11, 47,
 48

Mouse colonies

v.r. r r r
 \mathbb{F} 65D r f v. (57B / 6J 3 / J)
 1 r, r r v.r r
 fr J r r. \mathbb{F} r
 r r r (\mathbb{F} 65D)
 (2) ff r. \mathbb{F} v.r -
 f r r r r,
 r . 49 .
 r r r 1
 (r 1), v.
 r r, v.
 r 50 . v.r r
 (20×22×20) r r
 r r v. r r f 22±2°
 \mathbb{F} 1
 r r f f r
 r r r r



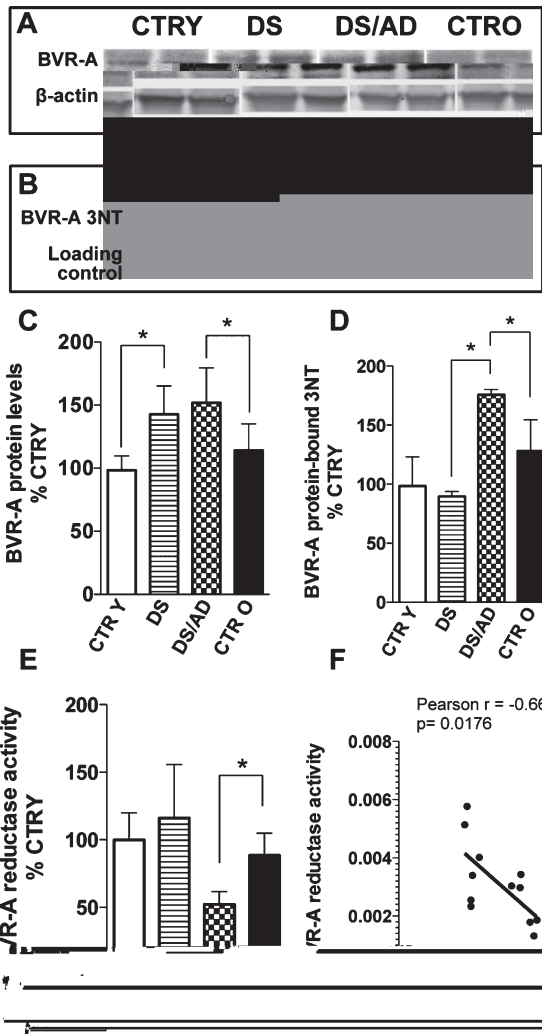


Fig. 4. BVR-A protein levels and 3NT binding in CTR Y, DS, DS/AD, and CTR O groups. (A) Western blot analysis of BVR-A and β -actin. (B) Western blot analysis of BVR-A 3NT and loading control. (C) Bar graph showing BVR-A protein levels (% CTR Y) for CTR Y, DS, DS/AD, and CTR O groups. Asterisks indicate significant differences. (D) Bar graph showing BVR-A protein-bound 3NT (% CTR Y) for CTR Y, DS, DS/AD, and CTR O groups. Asterisks indicate significant differences. (E) Bar graph showing BVR-A reductase activity (% CTR Y) for CTR Y, DS, DS/AD, and CTR O groups. Asterisks indicate significant differences. (F) Scatter plot showing a negative correlation between BVR-A protein levels and BVR-A reductase activity. Pearson $r = -0.66$, $p = 0.0176$.

$\chi^2=0.09, p=0.66$ $\chi^2=0.04, p=0.53$ D_S ($\chi^2=0.001, p=0.92$)
 $f = 49.8\% (p < 0.0001)$
 $(F = 3)$. $f = 3 - 15 -$
 $F = 65D$
 $B - D_S$
 $1.5-f$ $(f = 0.5, f)$
 D_S $f S / S$
 $B - r$
 D_S $(f = 0.4E)$
 $1.8-f$ D_S / D $D_S (2.2-f$
 $r)$, D
 $B - f$
 $(f = 0.4)$. B
 $(\chi^2=0.21, p=0.055)$
 $(f = 0.4)$. f f $(f = 0.4, S'$
 $f = 33.9\% (p=0.012)$
 $(f = 0.4) f$ $B - S'$
 B
 $f B -$
 $r S' / S'$ r $43, 45, 60, 3 -$
 $f B - (3 - B -)$ $v.r$

r B 1 r D_S
 r r r f
 B 1 (r...1). D r r f
 D_S D_S/ D, ff r r f
 r r ff r f
 -1 l r v D_S/ D
 D_S (r...2, D). r, -1 l
 r (D_S/ D
 r (D_S r)
 f f r S (r...2).
 ff r f, S v D_S D_S/ D
 (r...1) r
 ff v D_S D
 D_S/ D v r D_S r f r S
 r r r r S
 B 1 r f r -1 r D_S
 r r ff f -r
 B 1 r r B 1
 . r r
 r 65D () r
 r v r B 1 r B 1
 r -1 r
 r f, v
 r f r r r r
 f r, f ff r B 1 r
 v r r
 f f - r f -1
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 r f r r r r f r r
 86. r r
 r D_S r
 r f r S f 25, S^r 16 (r
 r), BE2 2 (r S^r 25, S^r 16),
 r 3 (r) -294 (r
 E3 r r 1) 54, r
 r f /
 r r
 r -2 r r r
 ff D_S r r r
 (r...3). r r r, v r
 f -2 f, D_S/ D v r r
 v r S, r D
 v r -2 r r
 r r r 56, 57.
 r f r f
 f r r f B - r r
 r D_S D_S/ D r r
 D_S D_S v

r B - r f r
 r r D_S r 3, 15, 33, 87 89. r
 r S v S r r f
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 B - r v S 45, 56. r
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 f r 32, r
 r f B - r r
 S r f -1, r
 r) B1() 9 (00)-21(9 v 9.5(v 0, r 9 5 r), 2

D. S. ... f, r
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 , r ... r r r .


ACKNOWLEDGMENTS

v. r v. r ... f
 D. B. S -05119 ... D.D., r
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 S E r r r (7/2007-2013), r
 v. r r ° 624341 E.B. Br
 v. r E. r f fr E
 r r ... f
 , S D
 r # 1 1 D064993-01. , v
 fr - D (50 16573), fr
 D (30 28383) fr D
 Br v, B f rD D r r f
 r f r , B r, D, r
 S 275200900011 (01 D90011). v
 r r r f , r
 r r r f v f
 f
 , r , r (// v.v.v -
 / , r / v ? =2594).

SUPPLEMENTARY MATERIAL

v r r r
 r r f r // . . r /
 10.3233/J D-141254.

REFERENCES

57  r 'S' 'S' ... E_S