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(*Brassica napus* L.)

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Pr401/15E Syn-3 Hyola420 Hyola401 Hyola330

Pr401/15E Hyola401

Syn-3 Pr401/15E

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Syn-3

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Hyola401 Syn-3

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Syn-3

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(*Brassica napus* L.)

.(Statistic & Information Center, 2008)

.(Elias & Copleland, 2001)

.(Silva et al., 2006)

(Buckley et al., 2003; Elias et

.al., 2006)

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.(Latifi et al., 2004)

.(Silva et al., 2006)

.(Elias & Copleland, 2001)

.(Harman & Mattick, 1999)

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.(Elias & Copleland, 2001)

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(Barsa et al., 2002)

(Statistic & Information Center, 2008)

(Elias & Copleland,

.2001)

(Nasiri &

Rabiei, 2004)

(Elias & Copleland, 2001)

(Elias & Copleland, 2001)

(Afzal et al., 2004)

Pr401/15E Hyola401 Hyola330 Hyola420

Syn-3

(Elias & Copleland, 2001; Kaboli

& Sadeghi, 2002)

Hyola401 Hyola330 Hyola420

Syn-3 Pr401/15E

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$$= \sum_{t=1}^{t=7} \frac{n}{t} \quad ($$

n

t

$$\sigma_{g_{i,j}}^2 = \frac{MS_g - MS_e}{r} \quad (1)$$

$$MS_g \quad r \quad MS_e$$

$$- \quad MP_e \quad MP_g$$

/ SAS :

SPSS

$$r_{g_{ij}} = \frac{\sigma_{g_{ij}}}{\sqrt{\sigma_{g_i}^2 \times \sigma_{g_j}^2}} \quad (2)$$

$$r_{p_{ij}} = \frac{\sigma_{p_{ij}}}{\sqrt{\sigma_{p_i}^2 \times \sigma_{p_j}^2}} \quad (3)$$

$$- \quad \sigma_{p_{ij}} \quad \sigma_{g_{ij}}$$

(P<0.01)

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Hyola330 Syn-3 Pr401/15E Hyola401

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$$\sigma_{g_j}^2 \quad \sigma_{g_i}^2 \quad j \quad i$$

$$\sigma_{p_j}^2 \quad \sigma_{p_i}^2 \quad j \quad i$$

$$r_{g_{ij}} \quad r_{p_{ij}} \quad j \quad i$$

$$\sigma_{g_j}^2 \quad \sigma_{g_i}^2 \quad \sigma_{g_{ij}}$$

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$$\sigma_{g_{ij}} = \frac{MP_g - MP_e}{r} \quad (4)$$

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Hyola330

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(Enferad et al.,

.2003)

(2004) Latifi et al. (Elias & Copleland, 2001)

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(Latifi et al., 2004)

(Gill & Delouche, 1973)

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/ b	/ ab	/ ab	/ bc	Hyola330
/ a	/ a	/ ab	/ a	Hyola401
/ b	/ b	/ b	/ c	Hyola420
/ ab	/ ab	/ ab	/ ab	Pr401/15E
/ ab	/ a	/ a	/ ab	Syn-3

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Hyola401

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Pr401/15E Syn-3

() (P<0.01)

Syn-3 Pr401/15E

/ / / Hyola401

() Hyola401
Hyola420

()	()	()	()	()
/ b	/ c	/ c	/ ab	Hyola330
/ b	/ c	/ c	/ a	Hyola401
/ c	/ d	/ c	/ b	Hyola420
/ a	/ a	/ a	/ a	Pr401/15E
/ ab	/ b	/ b	/ a	Syn-3

Hyola420

(Elias & Copleland, 1994)

() Hyola330 (P>0.05)

Hyola401

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Syn-3 PR401/15E

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(Afzal et al., 2004)

Hyola420 Hyola330

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PR401/15E Hyola401

Syn-3

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(Afzal et al., 2004)

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/ c	/ c	/ b	/ bc	Hyola330
/ b	/ a	/ a	/ ab	Hyola401
/ c	/ c	/ b	/ c	Hyola420
/ ab	/ a	/ a	/ a	Pr401/15E
/ a	/ b	/ b	/ a	Syn-3

(Tavakkol

(P<0.01)

.Afshari et al., 2007)

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Pr401/15E

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Hyola420 Hyola401 Hyola330
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.(Hampton & Tekrony, 1995) .() (P>0.05)
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Pr401/15E (P>0.05)
.() Hyola330 Hyola401

Pr401/15E Hyola401
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Hyola330 Syn-3
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.(Madani et al., 2005)

(Elias & Copleland,
2001)

Pr401/15E

Hyola401

(Beti et al., 2006)

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Pr401/15E

(P<0.05)

Hyola420

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(Elias & Copleland, 1994)

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(P<0.05)

(Tavakkol Afshari et al., 2007)

Hyola330

Pr401/15E

Hyola401

Syn-3

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Hyola420

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(P<0.01)

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Syn-3

Hyola401

Pr401/15E

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(2006) Beti et al.

Syn-3 Hyola401

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Elias &)

.(Copleland, 2001

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.(Latifi et al., 2004)

(Verma et al., 1999, 2003; Elias & Copleland,
.2001; Elias et al., 2006)

.(Zeinali et al., 2002)

.(Verma et al., 1999)
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.(Elias & Copleland, 2001)

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(Elias &

.(Verma et al., 1999)

.(Copleland, 2001)

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(Omidi Tabrizi et al., 1999; Zeinali Khanghah & Soltani, 1999; Zeinali Khanghah et al., 2002)

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(Omidi Tabrizi et al., 1999; Omidi Tabrizi, 2002)

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