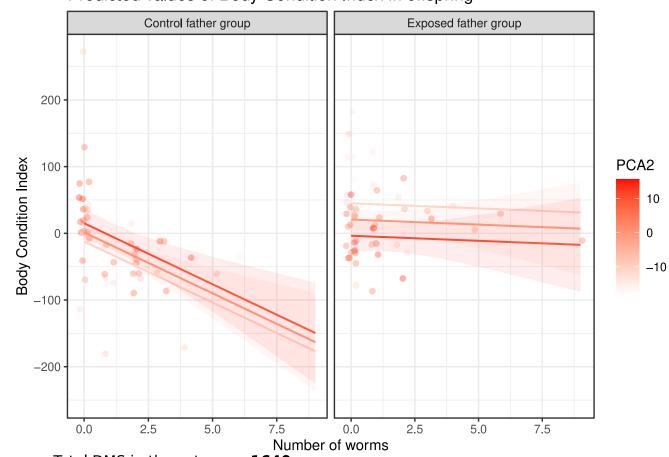


Predicted values of Body Condition Index in offspring



Total DMS in the category: 1640

Number of DMS most correlated (p < 0.05) with PCA1 & PCA2: **862** & **826**

Fixed factors explaining BCI: PCA2, No.Worms, paternal treatment, PCA2:paternal treatment, No.Worms:paternal treatment

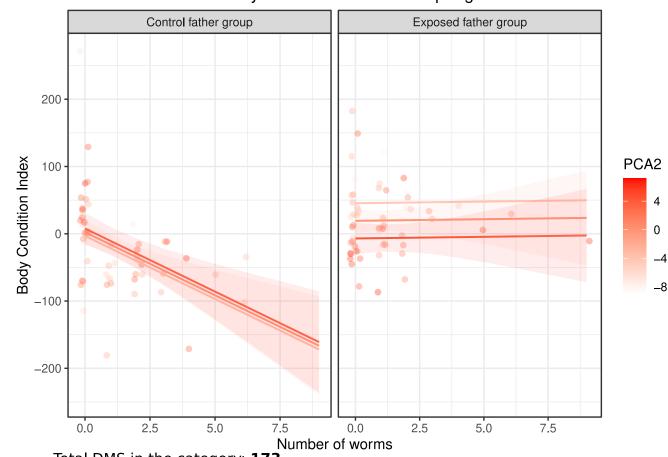
Backward reduced elimination with Satterthwaite method: PCA2:paternal treatment (F=12.48, P<0.001) No.Worms:paternal treatment (F=6.47, P=0.012)

Variance in BCI associated with:

paternal treatment=22% PCA2=9.6% **No.Worms=10.4%**

Additive

Predicted values of Body Condition Index in offspring



Total DMS in the category: 173

Number of DMS most correlated (p < 0.05) with PCA1 & PCA2: 95 & 81

Fixed factors explaining BCI: PCA2, No.Worms, paternal treatment, PCA2:paternal treatment, No.Worms:paternal treatment

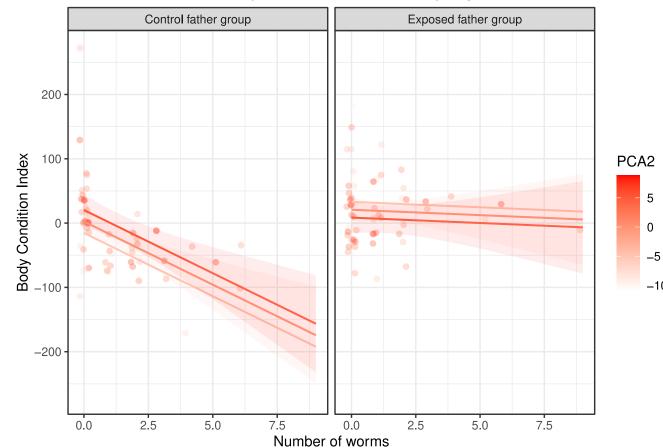
Backward reduced elimination with Satterthwaite method: PCA2:paternal treatment (F=8.50, P=0.004) No.Worms:paternal treatment (F=8.39, P=0.005)

Variance in BCI associated with:

No.Worms=10.9% paternal treatment=20% PCA2=9.2%

Infection-induced

Predicted values of Body Condition Index in offspring



Total DMS in the category: 309

Number of DMS most correlated (p < 0.05) with PCA1 & PCA2: **181** & **178**

Fixed factors explaining BCI: PCA2, No.Worms, paternal treatment, PCA2:paternal treatment, No.Worms:paternal treatment

Backward reduced elimination with Satterthwaite method: PCA2:paternal treatment (F=7.45, P=0.007) No.Worms:paternal treatment (F=7.08, P=0.009)

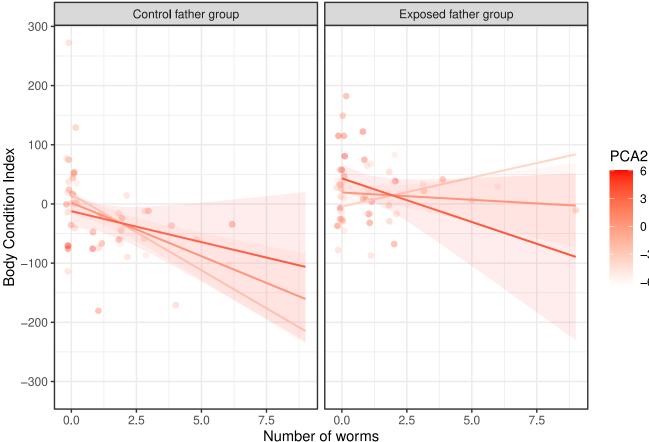
Variance in BCI associated with:

No.Worms=11.8% paternal treatment=18.9%

PCA2=6.1%

Interaction

Predicted values of Body Condition Index in offspring



Total DMS in the category: **151**

Number of DMS most correlated (p < 0.05) with PCA1 & PCA2: 72 & 54

Fixed factors explaining BCI: PCA2, No.Worms, paternal treatment, PCA2:paternal treatment, No.Worms:paternal treatment, PCA2:No.Worms, PCA2:No.Worms:paternal treatment

Backward reduced elimination with Satterthwaite method: PCA2:No.Worms:paternal treatment (F=4.89, P=0.029)

Variance in BCI associated with:

No.Worms=14.8% paternal treatment=19% PCA2=7.1%