

SUPPLEMENTARY INFORMATION

Fig. S1. Differential gene expression of *FDXR* measured in the peripheral blood of eight healthy donors is shown over time after irradiation (cell culture). Fold changes are calculated with the nonirradiated samples of the same time point used as a reference to compensate for methodological variance. Symbols reflect the geometrical mean and error bars the min and max values of two technical replicate measurements.

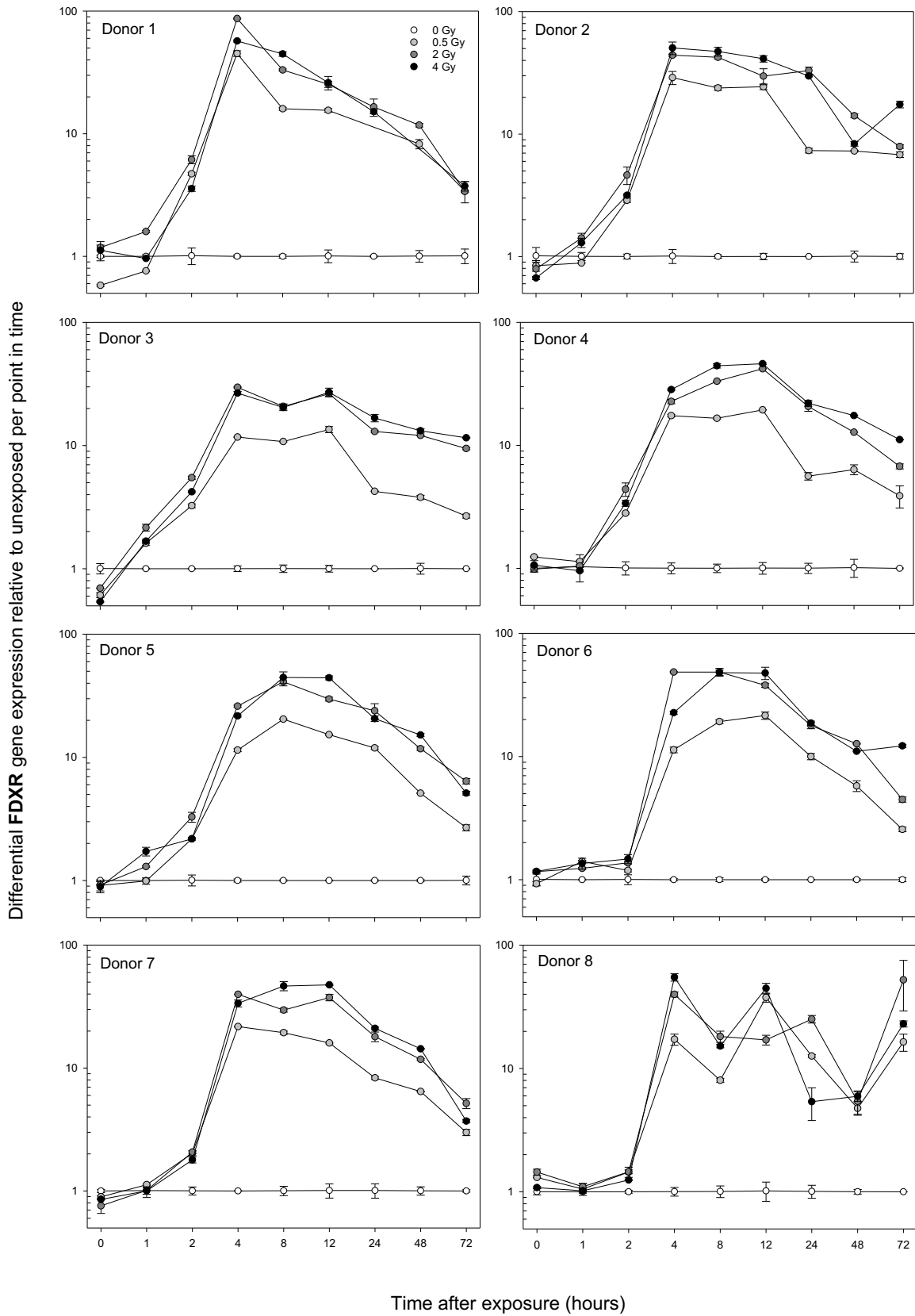
Fig. S2. Differential gene expression of *DDB2* measured in the peripheral blood of eight healthy donors is shown over time after irradiation (cell culture). Fold changes are calculated with the nonirradiated samples of the same time point used as a reference to compensate for methodological variance. Symbols reflect the geometrical mean and error bars the min and max values of two technical replicate measurements.

Fig. S3. Differential gene expression of *POU2AF1* measured in the peripheral blood of eight healthy donors is shown over time after irradiation (cell culture). Fold changes are calculated with the nonirradiated samples of the same time point used as a reference to compensate for methodological variance. Symbols reflect the geometrical mean and error bars the min and max values of two technical replicate measurements.

Fig. S4. Differential gene expression of *WNT3* measured in the peripheral blood of eight healthy donors is shown over time after irradiation (cell culture). Fold changes are calculated with the nonirradiated samples of the same time point used as a reference to compensate for methodological variance. Symbols reflect the geometrical mean and error bars the min and max values of two technical replicate measurements.

Supplement figure S1

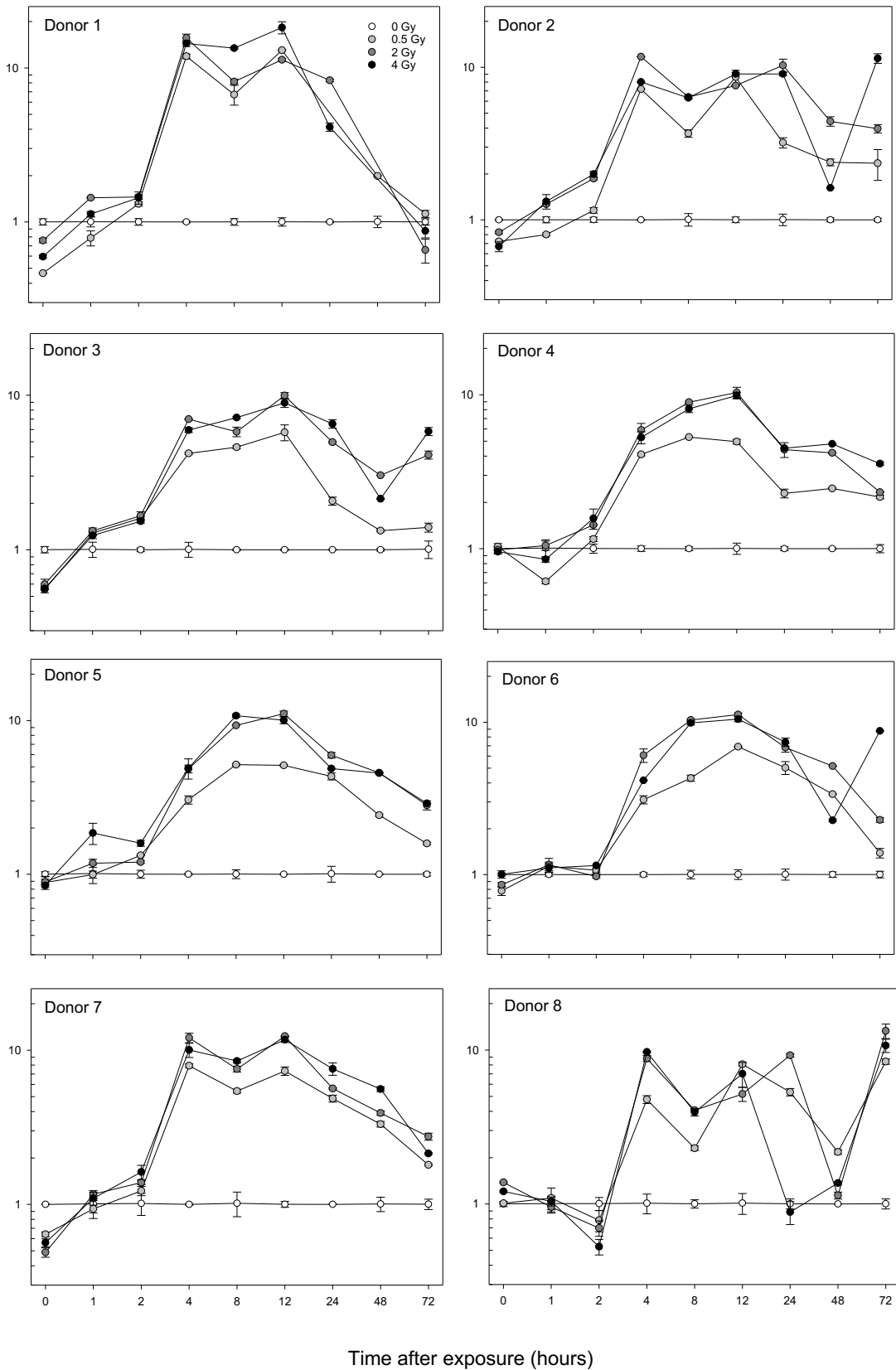
Ostheim et al.



Supplement figure S2

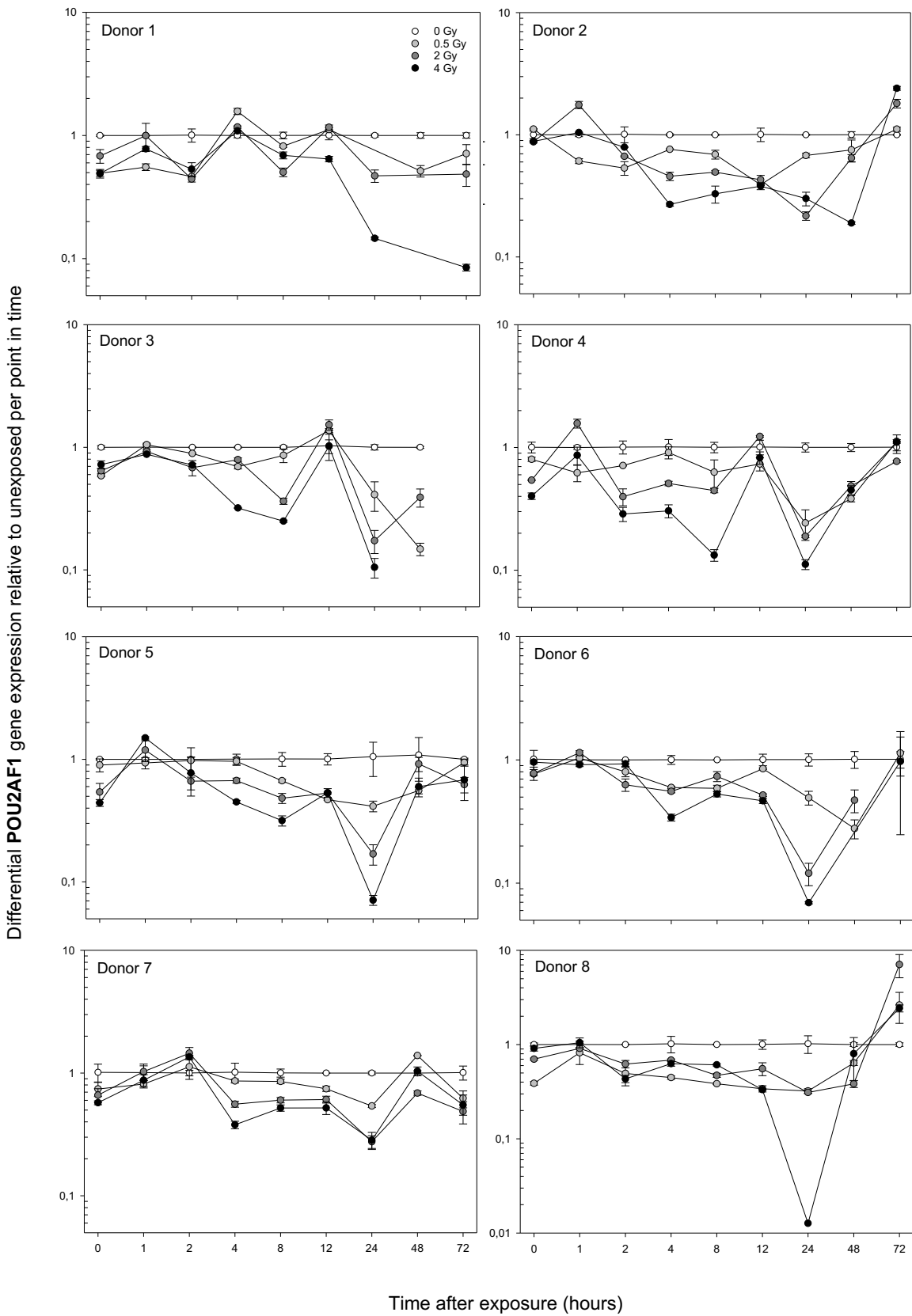
Ostheim et al.

Differential **DDB2** gene expression relative to unexposed per point in time



Supplement figure S3

Ostheim et al.



Supplement figure S4

Ostheim et al.

