



Supplementary Figure S3 Comparison of the Ganzfeld-ERG parameters of the irradiated eyes (black bar) in relation to the contralateral side (grey bar) for all genotypes 24 weeks after proton irradiation with 15 GDE:

- A) significant difference between irradiated and non-irradiated eyes of homozygous Cx3cr1^{gfp/gfp} mice ($p = 0,007$),
- B) tendency difference between the irradiated and non-irradiated eyes of homozygous Cx3cr1^{gfp/gfp} and heterozygous Cx3cr1^{gfp/+} mice ($p = 0,072$),
- C) significant difference between the irradiated and non-irradiated eyes of homozygous Cx3cr1^{gfp/gfp} mice ($p = 0,05$),
- D) significant difference between the irradiated eyes of heterozygous Cx3cr1^{gfp/+} and wild-type ($p = 0,003$) or homozygous Cx3cr1^{gfp/gfp} ($p = 0,049$) mice,
- E) significant difference between the irradiated eyes of homozygous Cx3cr1^{gfp/gfp} and heterozygous Cx3cr1^{gfp/+} mice ($p = 0,007$) or wild-type mice ($p = 0,043$),
- F) significant difference between the irradiated eyes of homozygous Cx3cr1^{gfp/gfp} and heterozygous Cx3cr1^{gfp/+} mice ($p = 0,018$),
- G) tendency difference between the irradiated and non-irradiated eyes of homozygous Cx3cr1^{gfp/gfp} and heterozygous Cx3cr1^{gfp/+} mice ($p = 0,058$).