

SUPPLEMENTARY DATA

Supplementary Table 1. Results of 2x2 ANOVA on Choroidal PO₂ (P_C)

	<i>F-value</i>	<i>p-value</i>
Time point	0.083	0.777
Treatment	0.016	0.901
Interaction of time point and treatment	0.712	0.411

Degrees of freedom for the effect is 1, degrees of freedom for the error is 16.

Supplementary Table 2. Results of 2x2 ANOVA on photoreceptor oxygen consumption (Q_{av})

	<i>Dark</i>		<i>Light</i>	
	F-value	p-value	F-value	p-value
Time point	0.039	0.846	0.043	0.840
Treatment	0.019	0.893	0.181	0.678
Interaction of time point and treatment	0.490	0.494	0.153	0.703

Degrees of freedom for the effect is 1, degrees of freedom for the error is 16.

Supplementary Table 3. Results of 2x2 ANOVA on minimum PO₂ in the inner segments (P_{min}).

	<i>Dark</i>		<i>Light</i>	
	F-value	p-value	F-value	p-value
Time point	0.184	0.674	0.089	0.770
Treatment	0.831	0.375	0.353	0.563
Interaction of time point and treatment	0.079	0.782	0.002	0.966

Degrees of freedom for the effect is 1, degrees of freedom for the error is 16.

Supplementary Table 4. Results of 2x2 ANOVA on average inner retinal PO₂ (P_{IR}).

	<i>F-value</i>	<i>p-value</i>
Time point	0.025	0.876
Treatment	1.846	0.193
Interaction of time point and treatment	0.134	0.719

Degrees of freedom for the effect is 1, degrees of freedom for the error is 16.

Supplementary Table 5. Results of 2x2 ANOVA on average inner retinal PO₂ normalized to choroidal PO₂ (P_{IR}/P_C).

	<i>F-value</i>	<i>p-value</i>
Time point	1.683	0.213
Treatment	10.503	0.005
Interaction of time point and treatment	11.298	0.004

Degrees of freedom for the effect is 1, degrees of freedom for the error is 16. Testing the control mean against the diabetic mean at 12 weeks with a t-test revealed that the difference was significant with a power of greater than 85%.

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Supplementary Figure 1. Blood glucose measurements (A) and weight (B) for control and diabetic rats combined for 4 and 12 weeks. Mean \pm SD.

