

Appendix 2. Systolic blood pressure (SBP, mmHg), glucose and serum free fatty acid concentrations (mmol/l) from subgroups of mice used in retinal gene expression analyses after 12 week *ad libitum* feeding on NCD, HFD or 5% (w/w) freeze-dried bilberries (BB) in either diet (Mean \pm SEM, 2-4 per group with the number of animals in brackets).

Diet	SBP mmHg	Glucose mmol/l	Free fatty acids mmol/l	Final weight g	Weight gain g
NCD	98 \pm (2)	8.0 \pm 0.8	1.1 \pm 0.1 (2)	27.6 \pm 1.2	8.0 \pm 1.1
NCD+BB	94 \pm 4 (4)	10.5 \pm 2.5	0.9 \pm 0.1 (3)	26.6 \pm 0.9	5.8 \pm 0.8
HFD	121 \pm 1(2)	13.3 \pm 1.4	1.4 \pm 0.1 (3)	29.6 \pm 0.2	8.5 \pm 1.0
HFD+BB	101 \pm 3(2)	13.5 \pm 3.3	1.4 \pm 0.2 (4)	30.4 \pm 1.5	9.5 \pm 0.3