

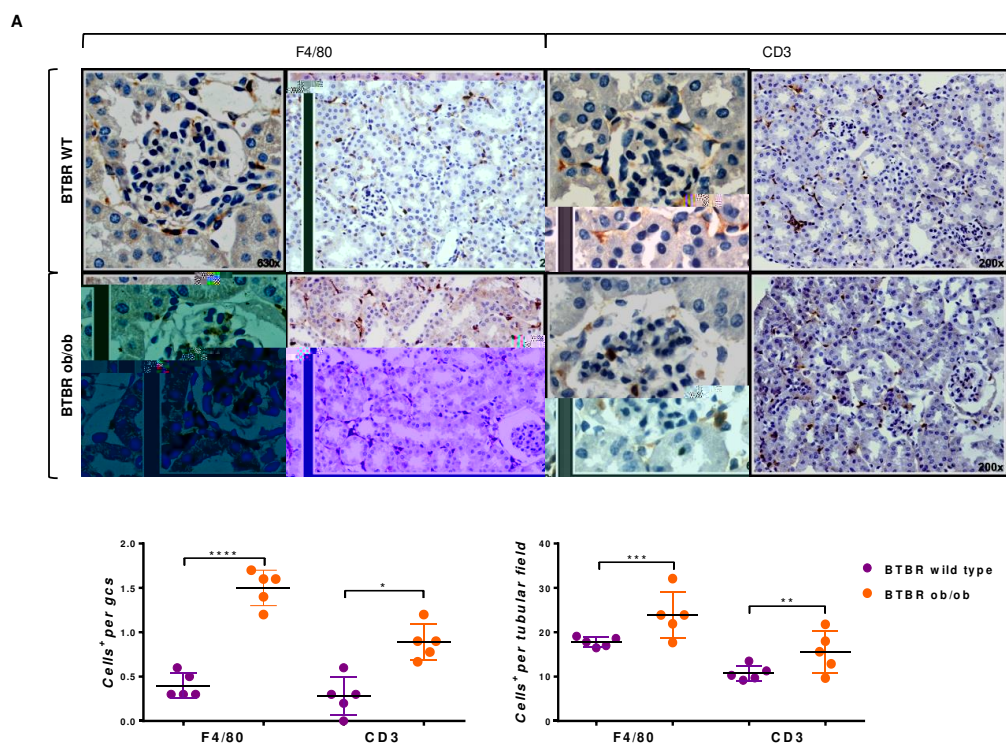
Abca1	AGTGATAATCAAAGTCAAAGGCACAC	AGCAACTTGGCACTAGTAACTCTG
Abcg1	TTCATCGTCCTGGGCATCTT	CGGATTTTGTATCTGAGGACGAA
18S	CCGTCGTAGTTCGACCATAA	CAGCTTTGCAACCATACTCCC

Opazo-Ríos L, *et al.* *BMJ Open Diab Res Care* 2020; 8:e001242. doi: 10.1136/bmjdr-2020-001242

Ureaemia	Creatinine	Glucose	Week	Mice Group	Body Weight	Glycemia
12.2 ± 0.2	0.6 ± 0.1	10.0 ± 0.1	12	WT type	26.0 ± 0.2	10.0 ± 0.1
5 ± 9.1	0.6 ± 0.1	10.0 ± 0.1	12	ob/ob	17.6 ± 1.1*	14.3 ± 0.2
10.0 ± 0.1	0.6 ± 0.1	10.0 ± 0.1	12	WT type	26.0 ± 0.2	10.0 ± 0.1
3 ± 17.6*	0.6 ± 0.1	10.0 ± 0.1	12	ob/ob	38.3 ± 0.9**	24.1 ± 0.2

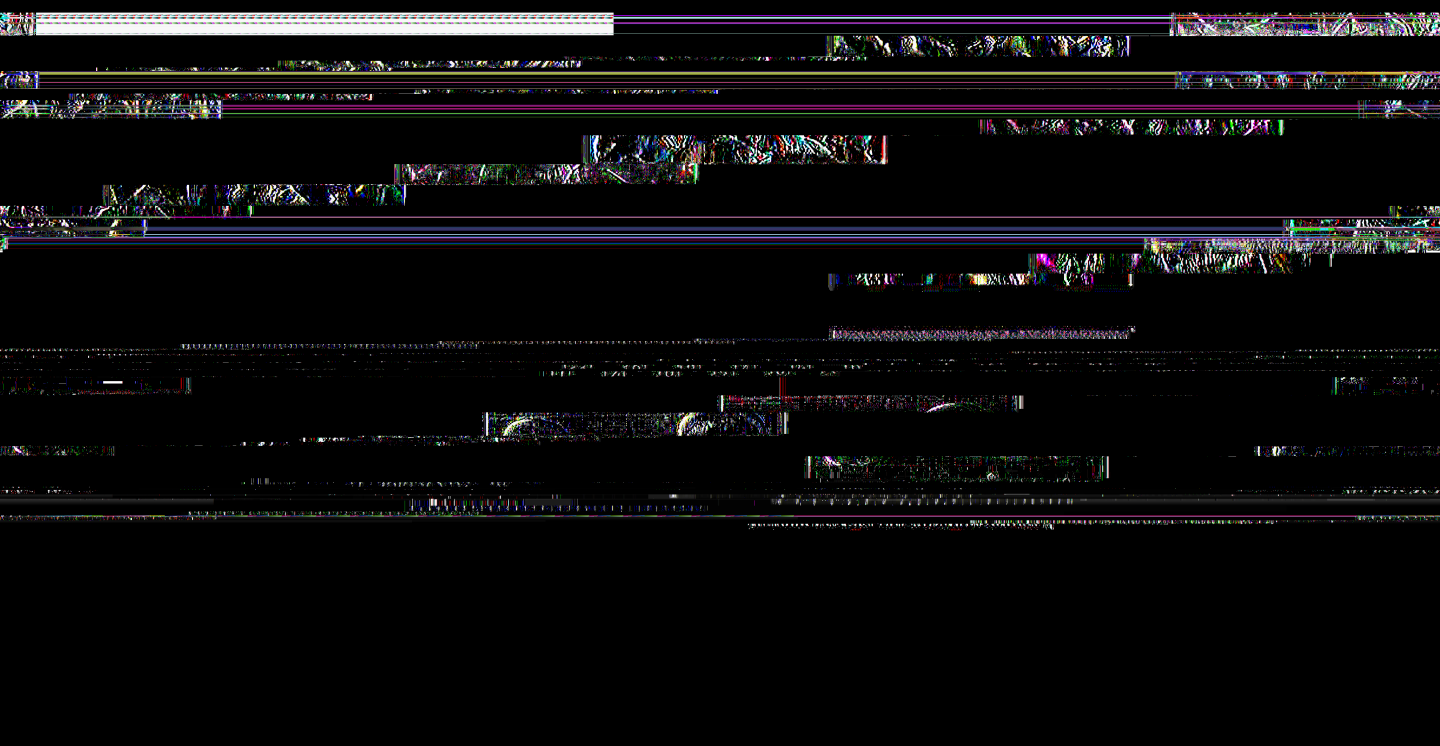
Table 1. Effect of MiS1 and Mut on glucose tolerance test in ob/ob mice				
12	ob/ob	60.1 ± 1.2	573.6 ± 14.4	0.74 ± 0.1
	Veh	61.3 ± 1.9	596.4 ± 3.6	0.64 ± 0.1
	MiS1 2 µg	57.1 ± 2.0	595.9 ± 2.7	0.80 ± 0.03
	MiS1 4 µg	59.2 ± 0.7	597.3 ± 2.5	0.80 ± 0.1
	Mut 4 µg	63.1 ± 2.4	593.3 ± 6.7	0.63 ± 0.02

The data are expressed as mean ± SD in all groups (n = 5–8 mice/group). *p<0.05; **p<0.01; ****p<0.0001 vs. BTBR wild type.



Supplementary Figure 1: Presence of glomerular and interstitial inflammatory infiltrate in BTBR ob/ob mice.

Inflammatory infiltrate was quantified by immunostaining of monocytes/macrophages (F4/80+) and T lymphocytes (CD3+) both at the glomerular and interstitial fields. (A) Representative images of F4/80 monocytes/macrophages and CD3 T lymphocytes in BTBR WT and BTBR ob/ob mice. Magnification 200x and 630x. Graphs represent the quantification of average number of cells F4/80+ and CD3+, both at the glomerular and interstitial fields. Data is shown as scatter dot plots and box with min/max values of each group (n = 5–6 mice/group). *p<0.05; **p<0.01; ***p<0.001 ****p<0.0001 vs. BTBR WT control.



of the decapsulated kidneys of a *BTBR* wild type (left) and *BTBR* *ob/ob* (right) 12-week-old mouse. Together with the increase in renal weight (Figure 1B), the presence of renomegaly is evidenced.

Supplementary Figure 3: Pleiotropic effects of Mimetic SOCS1 (MiS1) peptide in experimental T2D

