



Title	Chronic hyperglycemia reduces the expression of intercellular adhesion molecules and increases intercellular hyperpermeability in the periodontal epithelium
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Supplementary Table & Figure

Table.S1 PCR primers used in this study

Target		Primer sequence
Mouse	<i>Claudin1</i>	F 5'-GAATTCTATGACCCCTTGACCC-3'
		R 5'-TGGTGTGTTGGGTAAGAGGTTG-3'
	<i>Ocludin</i>	F 5'-ACTATGCGGAAAGAGTTGACAG-3'
		R 5'-GTCATCCACACTCAAGGTCAG-3'
	<i>Zo-1</i>	F 5'-AGCGAATGTCATAAACCTGGG-3'
		R 5'-TCCAACCTTGAGCATACACAGG-3'
	<i>Tricellulin</i>	F 5'-TGAGGAAGTTTGACGAGCTG-3'
		R 5'-TCCAGAAACGAAGGGTCATTG-3'
	<i>E-cadherin</i>	F 5'-AGAGAAAGCCATTGCCAAGTAC-3'
		R 5'-AACGAATCCCTCAAAGACCG-3'
	<i>Hprt</i>	F 5'-TTGTTGTGTGGATATGCCCTTGACTA-3'
		R 5'-AGGCAGATGGCCACAGGACTA-3'
Human	<i>CLAUDIN1</i>	F 5'-CAGCTGGCTGAGACACTGAAGA-3'
		R 5'-AAGGCACTGAACCACATGAAGGTA-3'
	<i>OCCLUDIN</i>	F 5'-AAGAGTTGACAGTCCCATGGCATA-3'
		R 5'-ATCCACAGGCGAAGTTAATGGAAG-3'
	<i>ZO-1</i>	F 5'-CGAGGCATCATCCCTAATAAGAACA-3'
		R 5'-GGAGCTGCGAAGACCTCTGAA-3'
	<i>TRICELLULIN</i>	F 5'-ATGAGCCATCATTTGTCATCGAA-3'
		R 5'-GTCGGGCATCACGATAGGTTTA-3'
	<i>E-CADHERIN</i>	F 5'-CGCCGAGAGCTACACGTTCA-3'
		R 5'-TGTCGACCGGTGCAATCTTC-3'
	<i>RAGE</i>	F 5'-GCTGTCAGCATCAGCATCATC-3'
		R 5'-GGGCTATCTTCTGCTTCCCTGAC-3'
	<i>HPRT</i>	F 5'-GGCAGTATAATCCAAAGATGGTCAA-3'
		R 5'-GTCAAGGGCATATCCTACAACAAAC-3'

Figure.S1

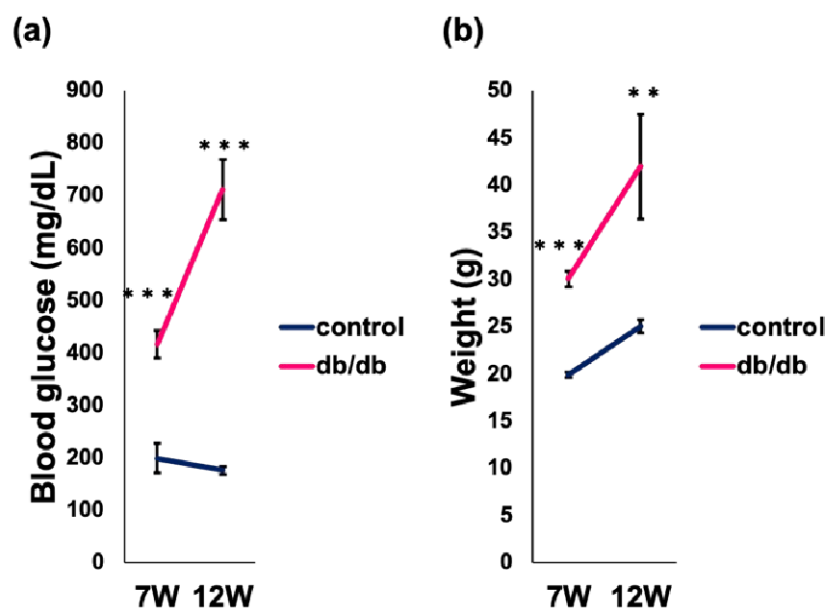


Fig.S1 Blood glucose level of mice at 7 and 12 weeks old.

Blood glucose and body weight were measured under *ad libitum* feeding in db/db and WT mice at 7 and 12 weeks of age.

** $P < 0.01$, *** $P < 0.001$; $n = 5$. Data are shown as the mean \pm SEM.

Figure.S2

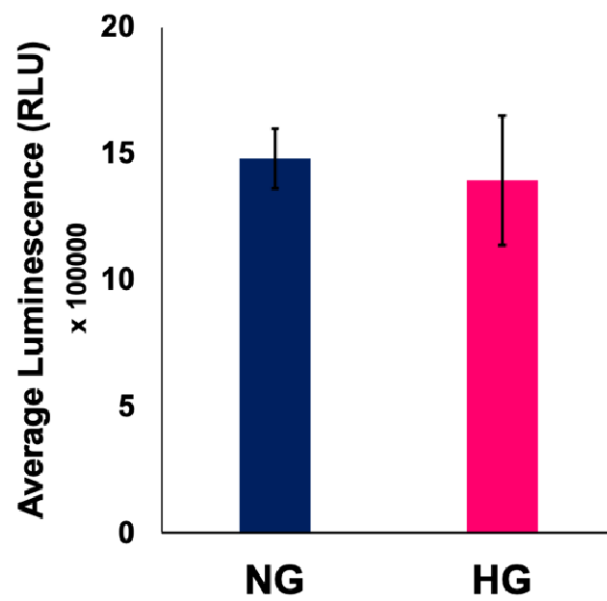


Fig.S2 Cell viability in hyperglycemic gingival epithelial cells (Epi 4)

epi 4 cells were cultured in NG (5.5 mM D-glucose) and HG (30 mM D-glucose) for 14 d, and the amount of ATP in viable cells was measured by luminescence intensity. n = 4. Data are shown as the mean \pm SEM.