

Supplementary Table 1

Exclusion Criteria
• Less than 45 years of age • Have chronic disease with oral manifestations other than denture/mucosal stomatitis • Have gross oral pathology • Have overt denture abrasion associated with symptoms • Participants with clinically significant organic diseases, including impaired renal function, bleeding disorder, or any condition requiring antibiotic pre-medication for dental visits • Participants with active infectious diseases such as hepatitis, HIV or tuberculosis • Participants who are immunosuppressed because of medications or condition • Participants who have used antibiotics or antifungals for any medical or dental condition within 1 month prior to screening • Participants using ongoing medications initiated less than 3 months prior to enrollment • Participants with a known or suspected intolerance to local oral anesthesia • Participants who have participated in another clinical study or have taken an investigational drug within 30 days of screening • Participants who have used tobacco products within 6 months of screening • Employees of the sponsor or the investigator or members of their immediate family • Participants who have previously participated in this study • Post-menopausal women on hormone replacement therapy

Supplementary Table 2

	AGE	SEX	RACE	CRP (ug/ml)
Type 2 Patient 1	55	F	W	5938
Type 2 Patient 2	62	M	AA	1225
Type 2 Patient 3	75	M	W	7777
Type 2 Patient 4	59	F	AA	7609
Control Patient 1	75	F	W	2298
Control Patient 2	83	F	W	7108
Control Patient 3	56	F	W	1840
Control Patient 4	57	F	W	3196
	AVE	SD		
CRP-D	5637	3057		
CRP-N	5020	2399		

W= White (Caucasian)

AA= African American

CRP-D = C-reactive protein levels in diabetics patients

CRP-N = C-reactive protein levels in non-diabetic patients

Note: Serum C-reactive protein levels were measured as a mediator of the acute phase response. Blood was processed into serum within 2 hours after collection and then centrifuged for 12 minutes to separate the serum from the clot. Serum was aliquoted into barcode labeled microfuge tubes and quickly frozen at -80C and stored until analysis using Bioplex ELISA method.

Supplementary Table 3

Protein Description	Accession No Protein Code	Peptide Sequence	PeptideTeller Probability	Ratio Fold Change (Control vs. Diabetic)
*Protein FAM92A1	A1XBS5 F92A1_HUMAN	LRKDQQAEDDEDELDVTEEN	0.96	-91.5272
Secretoglobin family 1D member 2	O95969 SG1D2_HUMAN	EFCPALVSELLDFFFISEPLFK	1	+17.4675
Alpha-2-macroglobulin	P01023 A2MG_HUMAN	TEVSSNHVLIYLDK	0.98	+1.7107
Cystatin-S	P01036 CYTS_HUMAN	ALHFAISEYNK	1	-2.4420
*Cystatin-SN	P01037 CYTN_HUMAN	IIPGGIYNADLNDEWVQR	1	-4.2730
Polymeric immunoglobulin receptor	P01833 PIGR_HUMAN	ASVDSGSSEEQGGSSR	1	-6.6337
Polymeric immunoglobulin receptor	P01833 PIGR_HUMAN	LTLNLVTR	0.98	+9.5951
*Ig kappa chain C region	P01834 IGKC_HUMAN	VDNALQSGNSQESVTEQDSK	1	-1.5755
Ig kappa chain C region	P01834 IGKC_HUMAN	VDNALQSGNSQESVTEQDSKDS TYSLSSTLTLSK	0.97	-2.2405
*Ig lambda chain C regions	P01842 LAC_HUMAN	SYSCQVTHEGSTVEK	1	-1.5156
*Ig gamma-1 chain C region	P01857 IGHG1_HUMAN	TTPPVLDSDGSFFLYSK	1	+1.5177
*Ig alpha-1 chain C region	P01876 IGHA1_HUMAN	PALEDLLLGSEANLTCTLTGLR	0.99	-5.3978
Keratin, type I cytoskeletal 14	P02533 K1C14_HUMAN	EVATNSELVQSGK	1	-5.7747
Serum amyloid A protein	P02735 SAA_HUMAN	SFFSFLGEAFDGAR	1	-5.0024
Serum albumin	P02768 ALBU_HUMAN	ETYGEMADCCAK	1	-1.9067
*Serum albumin	P02768 ALBU_HUMAN	AVMDDFAAFVEK	1	+4.0848
Serum albumin	P02768 ALBU_HUMAN	RHPDYSVVL	1	+6.5140

Serum albumin	P02768 ALBU_HUMAN	RHPYFYAPELLFFAKR	1	+2.8228
Serum albumin	P02768 ALBU_HUMAN	CAEDYLSVVLNQLCVLHEK	1	+3.9434
Serum albumin	P02768 ALBU_HUMAN	YAPELLFFAK	1	+12.5568
Vitamin D-binding protein	P02774 VTDB_HUMAN	LAQKVPTADLEDVLPLAEDITNILSK	0.9	+2.6079
Serotransferrin	P02787 TRFE_HUMAN	KPVDEYKDCHLAQVPSHTVVAR	0.93	-1.6403
*Salivary acidic proline-rich phosphoprotein 1/2	P02810 PRPC_HUMAN	GGDSEQFIDEER	1	+7.1556
Salivary acidic proline-rich phosphoprotein 1/2	P02810 PRPC_HUMAN	GGDSEQFIDEER	1	+8.1143
Salivary acidic proline-rich phosphoprotein 1/2	P02810 PRPC_HUMAN	GRPQGPPQQGGHQGGPPPPPPGKPQ	1	-32.3394
Glyceraldehyde-3-phosphate dehydrogenase	P04406 G3P_HUMAN	VIHDNFGIVEGLMTTVHAITATQK	0.95	-3.5875
Alpha-amylase 1	P04745 AMY1_HUMAN	LLDLALGK	0.9	+2.5215
Alpha-amylase 1	P04745 AMY1_HUMAN	NWFPEGSKPFIYQEVIDLGGEPIK	0.99	+4.0218
*Histone H2A type 1-D	P04908 H2A1B_HUMAN,Q7L7L0 H2A3_HUMAN,P20671 H2A1D_HUMAN,Q93077 H2A1C_HUMAN,P0C0S8 H2A1_HUMAN,Q9BTM1 H2AJ_HUMAN,Q99878 H2A1J_HUMAN,Q96K5 H2A1H_HUMAN	VGAGAPVYLAADVLEYLTAEILELAGNAAR	1	+15.0850
Myosin light chain 3, skeletal muscle isoform	P05976 MLE1_HUMAN,P06741 MLE3_HUMAN	VLGNPSNEELNAK	0.81	-2.4073
Alpha-enolase	P06733 ENOA_HUMAN	LAMQEFMILPVGAANFR	1	-3.1170

Alpha-enolase	P06733 ENOA_HUMAN	HIADLAGNSEVILPVPAFNV	0.95	-12.2554
Beta-microseminoprotein	P08118 MSMB_HUMAN	SCYFIPNEGVPGDSTR	0.99	+16.9066
Leukotriene A-4 hydrolase	P09960 LKHA4_HUMAN	GFALLFYLEQLLGGPEIFLGFLK	0.89	+3.5240
*Uteroglobin	P11684 UTER_HUMAN	KLVDTL PQKPR	1	+1000.0000
*Uteroglobin	P11684 UTER_HUMAN	KLVDTL PQKPR	1	+204.6196
Prolactin-inducible protein	P12273 PIP_HUMAN	SVRPNDEV TAVLAVQTELK	1	-1.7184
*Alpha-amylase 2B	P19961 AMY2B_HUMAN	TGSGDIENYNDATQVR	1	+2.2749
Alpha-amylase 2B	P19961 AMY2B_HUMAN	WVDIALECER	1	+1.9581
*Alpha-amylase 2B	P19961 AMY2B_HUMAN	GHGAGGASILTFWDAR	0.93	+1.7492
Alpha-amylase 2B	P19961 AMY2B_HUMAN	AHFSISNSAEDPFIAHAESKL	1	+1.5498
Alpha-amylase 2B	P19961 AMY2B_HUMAN	EVTINPD TTCGNDWVCEHR	0.91	+3.1133
*Alpha-amylase 2B	P19961 AMY2B_HUMAN	PFIAHAESKL	1	+1.7843
Alpha-amylase 2B	P19961 AMY2B_HUMAN	GFIVENND DWTFSLTQTGLPAGTYCDVISGDK	1	+3.5131
Alpha-amylase 2B	P19961 AMY2B_HUMAN	IAEYMNHLIDIGVAGFR	1	+2.2610
Alpha-amylase 2B	P19961 AMY2B_HUMAN	LIDIGVAGFR	1	+4.1323
Alpha-amylase 2B	P19961 AMY2B_HUMAN	PFIYQEVIDLGGEPIK	1	+2.0842
Alpha-amylase 2B	P19961 AMY2B_HUMAN	PFTNWYDNGSNQVAFGR	1	+3.1573
Alpha-amylase 2B	P19961 AMY2B_HUMAN	VQVSPPNENVAIHNPFRPWWER	1	+2.9724
Alpha-amylase 2B	P19961 AMY2B_HUMAN	LPAGTYCDVISGDK	1	+3.2886
Alpha-amylase 2B	P19961 AMY2B_HUMAN	SISNSAEDPFIAHAESK	1	+2.1918

Carbonic anhydrase 6	P23280 CAH6_HUMAN	NYPENTYYSNFISHLANIK	1	+1.7898
*Carbonic anhydrase 6	P23280 CAH6_HUMAN	SYDIAQDAPDGLAVLAAFVEVK	1	+1.9898
*Carbonic anhydrase 6	P23280 CAH6_HUMAN	GLAVLAAFVEVK	1	+2.9189
Carbonic anhydrase 6	P23280 CAH6_HUMAN	TTLTGLDVQDMLPR	1	+11.2673
Carbonic anhydrase 6	P23280 CAH6_HUMAN	NLQHYTYHGSLLTPPCTENVH WFLADFVK	1	+4.7748
*Carbonic anhydrase 6	P23280 CAH6_HUMAN	APDGLAVLAAFVEVK	1	+2.0929
Zinc-alpha-2-glycoprotein	P25311 ZA2G_HUMAN	YYYDGKDYIEFNK	0.99	-1.5630
*Cystatin-D	P28325 CYTD_HUMAN	LKEEEFCSFQINEVPWEDK	1	-3.0770
Cystatin-D	P28325 CYTD_HUMAN	PLQVMAAYQQIVGGVNYFNVK	1	+1.8218
Peroxiredoxin-5, mitochondrial	P30044 PRDX5_HUMAN	ETDLLLDDSLVSIFGNR	1	-3.3766
Lipocalin-1	P31025 LCN1_HUMAN	HHLASDEEIQDVSGTWYLK	1	-1.5944
Heat shock 70 kDa protein 13	P48723 HSP13_HUMAN	ADV FHLVIDLGGGTLDVSLLNK	0.83	+3.2257
*Rho GDP-dissociation inhibitor 2	P52566 GDIR2_HUMAN	APEPHVEEDDDDELDSK	1	-10.7057
Cysteine-rich secretory protein 3	P54108 CRIS3_HUMAN	YYYVCQYCPAGNWANR	1	-2.5113
*GTP-binding protein RAD	P55042 RAD_HUMAN	DLQAALTPGALTAAGTGTQG PRLD	0.95	-63.4121
Peroxiredoxin-1	Q06830 PRDX1_HUMAN	YVVFYPLDFTFVCPTEIIAFSD R	0.9, 0.97	+10.1607
Trefoil factor 3	Q07654 TFF3_HUMAN	EEYVGLSANQCAVPAK	0.97	-1.9216
Fibronectin type III domain-containing protein 3B	Q53EP0 FND3B_HUMAN	SEVMLTGDMGSLDDPK	0.82	-2.174
*DnaJ homolog subfamily C member 21	Q5F1R6 DJC21_HUMAN	SFKTEKAMK	0.92	-9.8061

Uncharacterized protein C6orf58	Q6P5S2 CF058_HUMAN	KFCYDVSSCR	1	-2.7516
Uncharacterized protein C6orf58	Q6P5S2 CF058_HUMAN	ILLNTDVAPFISDFTAFQNVVLVLNMLDNVDK	1	+2.6046
*Olfactory receptor 10X1	Q8NGY0 O10X1_HUMAN	MLEDLLAKDRSISVTGCSLQ	0.97	-9.1787
Mucin-7	Q8TAX7 MUC7_HUMAN	SHFELPHYPGLL	0.9	-5.2302
*Mucin-7	Q8TAX7 MUC7_HUMAN	SHFELPHYPGL	1	-4.4263
Mucin-7	Q8TAX7 MUC7_HUMAN	FPNPHQPPKHPDK	1	-5.9697
Long palate, lung and nasal epithelium carcinoma-associated protein 1	Q8TDL5 LPLC1_HUMAN	AAVAAVLSPEEFMVLLDSVLPESAHR	0.98	+17.4264
Long palate, lung and nasal epithelium carcinoma-associated protein 1	Q8TDL5 LPLC1_HUMAN	VAQLIVLEVFPSSSEALRPLFTLGEASSEAQFYTK	1	+2.6856
Uncharacterized protein UNQ773/PRO1567	Q96DA0 YP003_HUMAN	VSVGLLLVK	1	-2.6432
Uncharacterized protein UNQ773/PRO1567	Q96DA0 YP003_HUMAN	VFVAFQAFLR	1	-1.9472
*Mucin-4	Q99102 MUC4_HUMAN	GPVIDFLNNQLLAAVVEAFLYHVPR	1	+13.1749
Mucin-5B	Q9HC84 MUC5B_HUMAN	ELGQVVECSLDFGLVCR	0.92, 1.0	-1.5457
Mucin-5B	Q9HC84 MUC5B_HUMAN	TCPLNMQHQCSPCTDTCSNPQR	1	-3.1460
*Mucin-5B	Q9HC84 MUC5B_HUMAN	LVLTFWLWNGEDSALLELDPK	1	-2.1590
*Mucin-5B	Q9HC84 MUC5B_HUMAN	CPTCPCATFVEYSR	1	-1.8204
Protein Plunc	Q9NP55 PLUNC_HUMAN	VLPELVQGNVCPLVNEVLR	1	+11.4482
Protein Plunc	Q9NP55 PLUNC_HUMAN	GLDITLVHDIVNMLIHGLQFVIKV	1	+6.5623
*Protein Plunc	Q9NP55 PLUNC_HUMAN	GLDITLVHDIVNMLIHGLQFVIK	1	+47.1961

*Protein Plunc	Q9NP55 PLUNC_H UMAN	GLDITLVHDIVNMLIHGLQFVIK	0.9	+81.0389
*Protein Plunc	Q9NP55 PLUNC_H UMAN	GLDITLVHDIVNMLIHGLQFVIKV	1	+47.0978
*Deleted in malignant brain tumors 1 protein	Q9UGM3 DMBT1_H UMAN	GSFTSSSNFMSIR	1	-1.8176
*Deleted in malignant brain tumors 1 protein	Q9UGM3 DMBT1_H UMAN	FPSVYLR	0.98	-1.8401
Serpin B13	Q9UIV8 SPB13_HU MAN	TNDGNIFFSPVGILTAIGMVLLGT R	1	+6.5440
Mitochondrial import inner membrane translocase subunit Tim8 B	Q9Y5J9 TIM8B_HU MAN	NCLSSCVDRFIDTTLAITSR	0.82	+1.8968
Elongation factor G, mitochondrial	SP Q6CRY5 EFGM_ KLULA	LVTGPVPEDLK	0.94	+702.4568
Phosphoribosylamin oimidazole carboxylase	SP Q92210 PUR6_C ANAL	ASILAKNAVKSFPGCGIFGVEMF	0.93	+4.3161

* : p < 0.01

Supplementary Table Legends

- 1: Exclusion criteria used to minimize inter-subject variability
- 2: Subjects' demography and the level of serum C-reactive protein
- 3: Salivary peptide biomarkers identified