

TIME-DEPENDENT CHANGES IN THE EARLY SALIVARY PROTEOME AFTER THE ORAL STIMULATION WITH WINE DEPEND ON INDIVIDUAL 6-n-PROPYLTHIOURACIL (PROP) TASTER STATUS

Rafael I. Velázquez-Martínez^a, Carolina Muñoz-González^a, Anabel Marina-Ramírez^a, María Ángeles Pozo-Bayón^{*a}

6. Supplementary materials

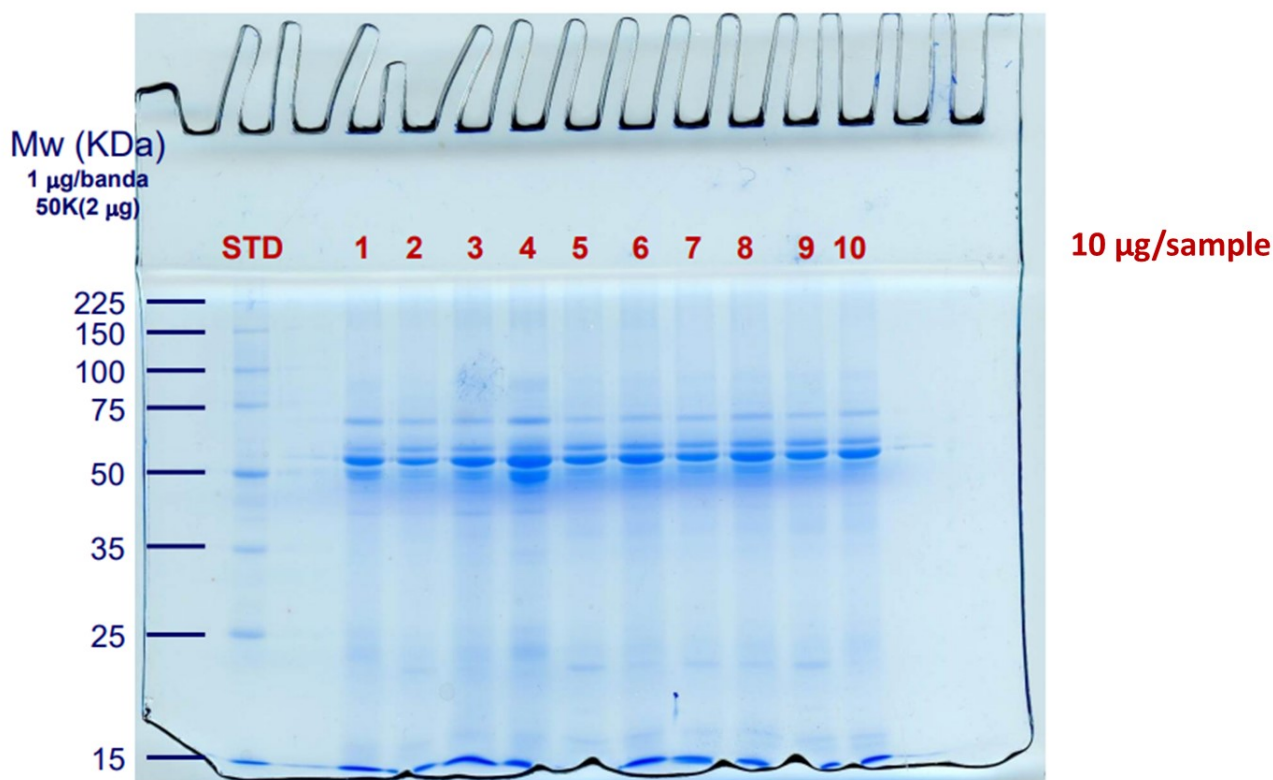


Figure 1S. One-dimensional SDS-PAGE profile of saliva samples. STD sample (standard sample) for quantification and verification of sample status and concentrator gels for sample digestion and desalting. Sample 1 is basal saliva from NT individuals. Samples 2 and 3 are saliva collected 30 and 60 s after oral exposure to CRW in NT individuals. Sample 4 is basal saliva from T individuals. Samples 5 and 6 are saliva collected 30 and 60 s after oral exposure to CRW in T individuals. Samples 7 and 8 are saliva collected 30 and 60 s after oral exposure to TRW in NT individuals. Samples 9 and 10 are saliva collected 30 and 60 s after oral exposure to TRW in T individuals.

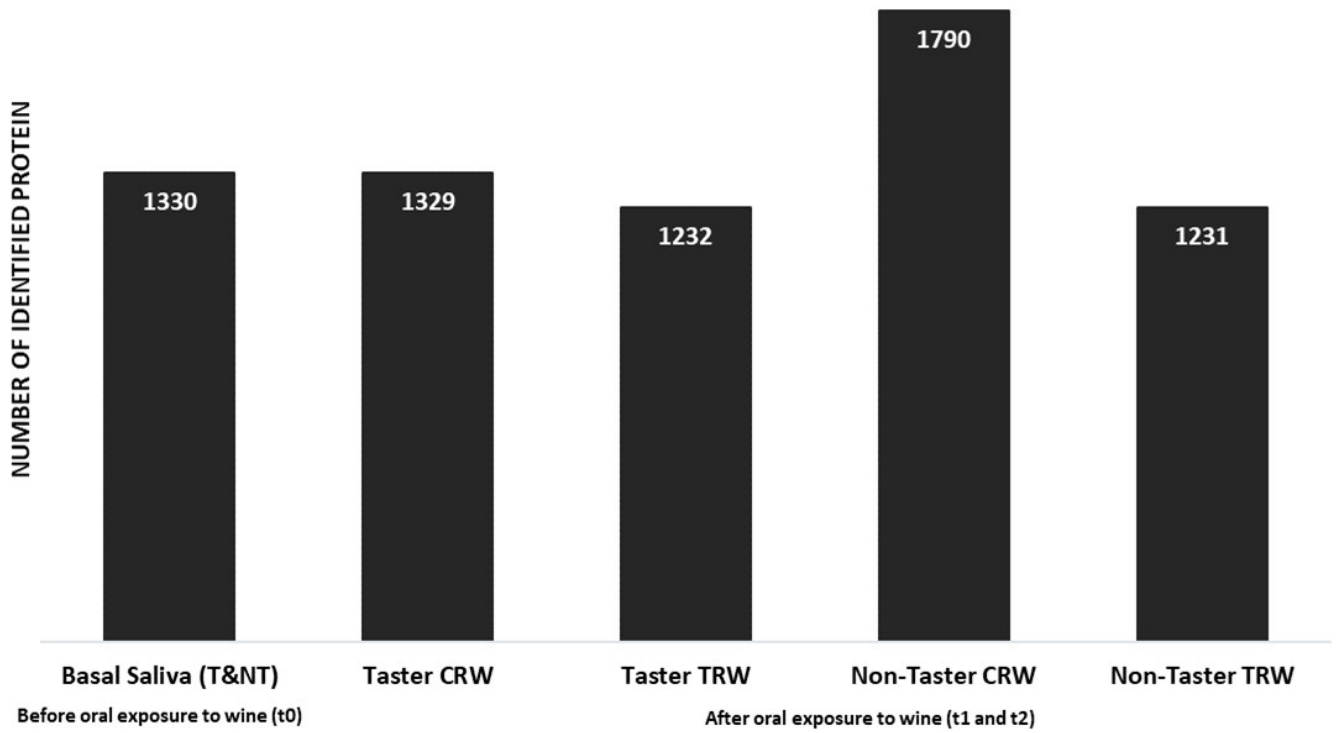


Figure 2S. Number of saliva proteins identified in the different saliva samples before and after the oral exposure to the wines (CRW and TRW). The number of proteins identified in the samples after the oral exposure to the wines include those identified in the first and second sampling point (30 and 60s). Identification done using the PEAKS Studio XPro search engine software (Bioinformatics Solutions Inc., Waterloo, Ontario, Canada) and uniprot-homo sapiens.fasta (80581 entries; UniProt release 12/2022) database.

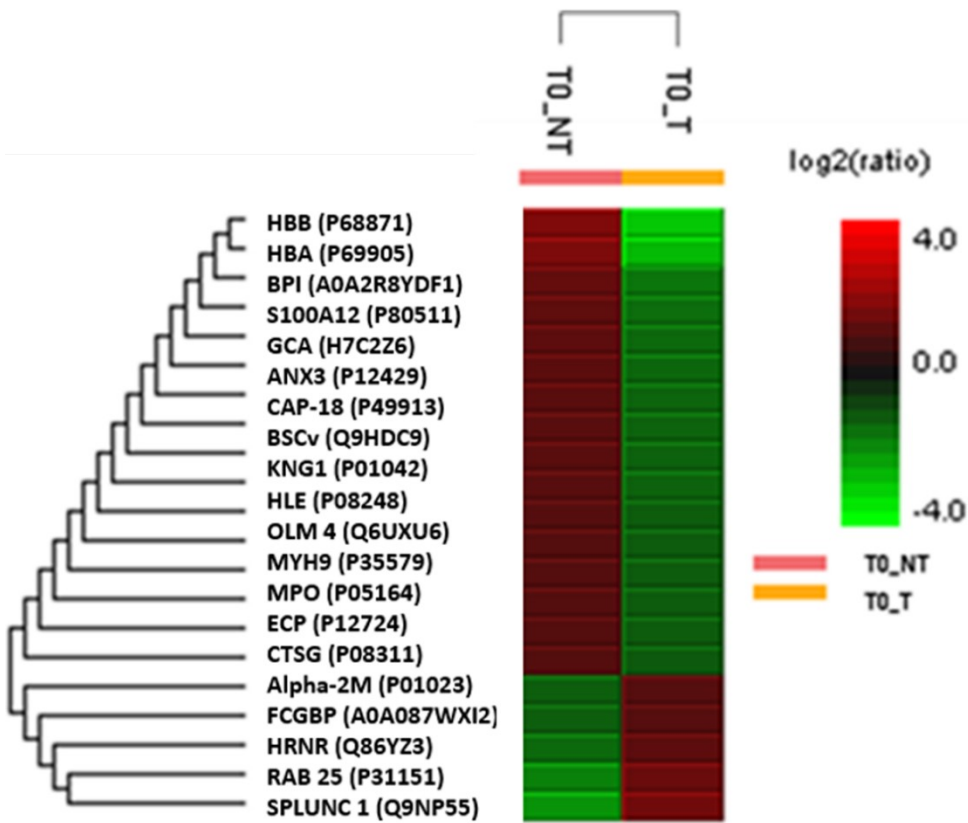


Figure 3S. Ranking of the abundance of statistically significant ($p < 0.05$) proteins in the basal saliva of Non-Taster (left column) and Taster individuals. Each row is unique for a single protein, which is indicated at the beginning of each row and is identified by the Uniprot code. The red colour indicates in which saliva sample there is a higher abundance of each protein. Complete names of proteins can be check in table 1S.

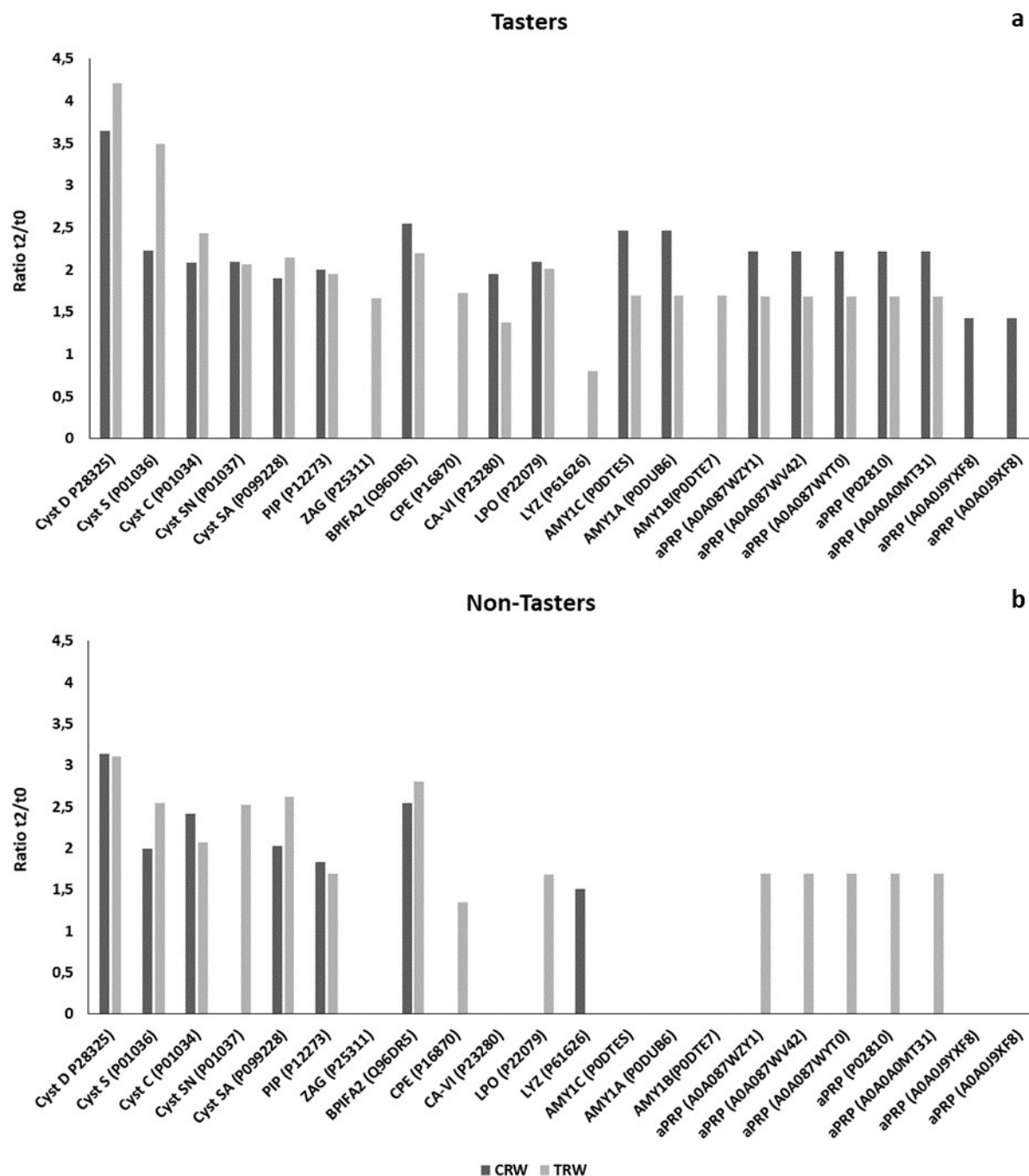


Figure 4S. Relative changes in the abundance of selected salivary proteins 60 seconds (t2/t0) after the oral exposure to CRW and TRW in saliva from a) Taster and b) Non-Taster individuals. Only significant changes ($p < 0.01$) in the abundance compared to basal saliva are shown in the figure. The complete list of proteins is shown in Table 2S. Protein identifier is shown in brackets.

Name abbreviation: Cystatin D (Cyst D); cystatin S (Cyst S); cystatin C (Cyst C); cystatin SN (Cyst SN); cystatin SA (Cyst SA); protein-inducible protein (PIP); zin-alpha-2-glycoprotein (ZAC); BPI fold-containing family A member 2 (BPIFA2); carboxypeptidase E (CPE); carbonic anhydrase-VI (CA-VI); Lactoperoxidase (LPO); lysozyme C (LYZ); alpha amylase 1C (AMY1C); alpha amylase 1A (AMY1A);); alpha amylase 1B (AMY1B); salivary acidic proline-rich phosphoprotein 1/2 (PRP H1); proline-rich protein 4 (PRP 4); proline-rich proteoglycan 2-like (aPRP).

Table 1S.- Significant differences ($p < 0.05$) (significance > 13 in the table) in the relative abundance of salivary proteins found in basal saliva (t_0) between T and NT individuals (expressed as the ratio of protein abundance in T compared to NT at t_0).

Protein reference	Significance	Intensity Non-PROP	Intensity PROP	Ratio t_0 Taster/ t_0 Non-Taster	Coverage (%)	Peptides	Unique	Avg-Mass	Protein name	Abbreviation
P68871	200	175,09	1,92E+07	0,11	53	16	7	15998	Hemoglobin subunit beta	HBB
P69905	200	9,57E+06	1,35E+06	0,14	46	7	7	15258	Hemoglobin subunit alpha	HBA
Q9NP55	68,56	8,10E+05	2,89E+06	3,56	27	5	5	26713	BPI fold-containing family A member 1	SPLUNC1
P31151	45,06	1,51E+06	4,04E+06	2,68	35	4	4	11471	Protein S100-A7	S100A7
P80511	32,59	8,23E+06	4,11E+06	0,5	47	5	5	10575	Protein S100-A12	S100A12
P17213	31,32	6,13E+06	2,72E+06	0,44	19	11	11	53369	Bactericidal permeability-increasing protein	BPI
P08246	23,53	1,92E+07	1,10E+07	0,58	50	17	17	28518	Neutrophil elastase	HLE
P12429	23,3	1,09E+07	5,95E+06	0,55	51	22	20	36375	Annexin A3	ANX3
H7C2Z6	21,03	4,39E+06	2,32E+06	0,53	31	5	5	22109	Grancalcin	GCA
Q9HDC9	19,51	2,32E+06	1,31E+06	0,56	14	6	6	46480	Adipocyte plasma membrane-associated protein	BSCv
A04087WXI2	18,69	7,12E+06	1,18E+07	1,65	11	42	42	445213	IgGFc-binding protein	FCGBP
P49913	18,51	3,37E+06	1,88E+06	0,56	36	7	7	19301	Cathelicidin antimicrobial peptide	CAP-18
P01023	18,18	1,46E+07	9,29E+06	0,63	26	37	37	163290	Alpha-2-macroglobulin	Alpha-2-M
P57735	17,62	3,28E+05	6,30E+05	1,92	17	5	4	23496	Ras-related protein Rab-25	RAB25
P01042	17,31	5,88E+05	3,36E+05	0,57	10	6	6	71957	Kininogen-1	KNG1
P05164	16,46	1,11E+07	6,94E+06	0,62	36	36	30	83869	Myeloperoxidase	MPO
P08311	16,13	1,03E+07	6,46E+06	0,63	57	20	20	28837	Cathepsin G	CTSG
Q86YZ3	15,26	2,31E+05	3,83E+05	1,66	4	10	10	282389	Hornein	HRNR
P32279	14,31	3,28E+06	2,03E+06	0,62	12	29	23	226530	Myosin-9	y14A
Q6UX06	13,18	1,65E+06	1,01E+06	0,61	8	4	4	57280	Olfactomedin-4	OLM4

^aSignificance: Only protein groups with a significance above this threshold are listed. The significance score is calculated as the $-10\log_{10}$ of the significance testing p-value. PEAKS provides ANOVA significance testing methods. A significance score threshold of 13 equals to a significance testing p value of 0.05.

Table 2S.- Statistically significant changes ($p < 0.05$) (significance > 13 in the table) in salivary protein abundance 30 (t1) and 60 (t2) seconds after the oral intervention with control wine (CRW) in T and NT individuals.

PROP Phenotype	Protein Accession ID	Significance	Intensity t0	Intensity t1	Intensity t2	Ratio t1 /t0	Ratio t2 /t0	Coverage (%)	Peptides	Unique	Avg. Mass	Protein name	Abbreviation
	P28325	111,01	2,80E+07	1,17E+08	1,02E+08	4,2	3,65	73	22	20	16080	Cystatin-D	Cyst D
	P01036	67,9	9,02E+05	3,33E+06	2,01E+06	3,69	2,23	51	59	17	16214	Cystatin-S	Cyst S
	Q96DR5	65,35	2,72E+07	7,56E+07	6,94E+07	2,78	2,55	63	29	28	27011	BPI fold-containing family A member 2	BPIFA2
	P80303	59,45	3,92E+06	1,21E+07	8,32E+06	3,09	2,12	34	17	15	50223	Nucleobindin-2	NUCB2
	Q9NP55	57,5	2,89E+06	8,08E+05	9,28E+05	0,28	0,32	27	5	5	26713	BPI fold-containing family A member 1	SPLUNC1
	P34096	49,67	6,53E+05	1,07E+06	2,41E+06	1,64	3,7	31	4	4	16840	Ribonuclease 4	RNase 4
	P22079	37,28	1,01E+07	2,37E+07	2,12E+07	2,33	2,09	44	33	33	80288	Lactoperoxidase	LPO
	P01034	35,15	2,72E+06	6,81E+06	5,65E+06	2,5	2,08	64	13	13	15799	Cystatin-C	Cyst C
	A0A8I5KU76	34,21	2,46E+05	2,80E+05	8,05E+05	1,14	3,27	11	4	4	39916	Endoplasmic reticulum resident protein 44	ERP44
	P31151	33,53	4,04E+06	2,94E+06	1,55E+06	0,73	0,38	35	4	4	11471	Protein S100-A7	S100A7
	P0DTE8	32,32	2,10E+06	4,85E+06	5,16E+06	2,31	2,46	20	249	34	57768	Alpha-amylase 1C	AMY1C
Taster	P0DUB6	32,32	2,10E+06	4,85E+06	5,16E+06	2,31	2,46	20	249	34	57768	Alpha-amylase 1A	AMY1A

			6	6	6										
P12273	30,3	9,90E+0 6	2,07E+0 7	1,98E+0 7	2,09	2	77	34	34	16572	Prolactin-inducible protein	PIP			
P81605	30,24	2,78E+0 6	4,51E+0 6	6,91E+0 6	1,62	2,49	38	5	5	11284	Dermcidin	DCD-1			
A0A087WZY 1	27,79	5,88E+0 5	1,06E+0 6	7,75E+0 5	2,23	2,22	32	16	16	27911	Proline-rich proteoglycan 2-like	aPRP			
A0A087WV4 2	27,79	5,88E+0 5	1,06E+0 6	7,75E+0 5	2,23	2,22	45	16	16	19134	Salivary acidic proline-rich phosphoprotein 1/2	PRP H1			
A0A087WYT 0	27,79	5,88E+0 5	1,06E+0 6	7,75E+0 5	2,23	2,22	48	16	16	17851	Salivary acidic proline-rich phosphoprotein 1/2	PRP H1			
P02810	27,79	5,88E+0 5	1,06E+0 6	7,75E+0 5	2,23	2,22	51	16	16	17016	Salivary acidic proline-rich phosphoprotein 1/2	aPRP-1			
A0A0A0MT3 1	27,79	5,88E+0 5	1,06E+0 6	7,75E+0 5	2,23	2,22	51	16	16	17015	Proline-rich protein 4				
P09228	26,67	5,17E+0 5	1,20E+0 6	9,80E+0 5	2,31	1,9	48	39	14	16445	Cystatin-SA	Cyst SA			
P23280	26,62	8,19E+0 6	1,59E+0 7	1,60E+0 7	1,95	1,95	70	38	38	35367	Carbonic anhydrase 6	CA-VI			
Q6E0U4	25,45	4,16E+0 5	6,08E+0 5	8,19E+0 5	1,46	1,97	9	4	4	47082	Dermokine	DMKN			
P01037	24,29	3,12E+0 6	7,06E+0 6	6,53E+0 6	2,26	2,09	56	61	27	16388	Cystatin-SN	Cyst SN			
Q08554	22,33	1,00E+0 7	5,18E+0 6	1,09E+0 7	1,18	1,96	8	6	6	99987	Desmocollin-1	DSC1			
P15924	21,8	1,85E+0 7	1,83E+0 7	2,95E+0 7	0,99	1,6	27	89	88	33174	Desmoplakin	DP			
P57735	21,46	6,30E+0 5	3,61E+0 5	2,73E+0 5	0,57	0,43	17	5	4	23496	Ras-related protein Rab-25	RAB25			

P69905	19,98	1,35E+0 6	6,92E+0 5	6,76E+0 5	0,51	0,5	46	7	7	15282	Hemoglobin subunit alpha	HBA
P20930	19,96	1,75E+0 6	2,00E+0 6	3,27E+0 6	1,15	1,87	2	15	15	43518 0	Filaggrin	FLG
P02788	17,89	1,57E+0 7	1,45E+0 7	9,35E+0 6	0,92	0,59	73	72	69	78182	Lactotransferrin	LTF
Q8N474	16,76	5,56E+0 5	1,02E+0 6	7,39E+0 5	1,84	1,33	10	3	3	35386	Secreted frizzled-related protein 1	FRP-1
Q96P63	16,65	1,76E+0 5	2,41E+0 5	3,54E+0 5	1,37	2,01	9	4	4	46276	Serpin B12	Serpin B12
Q08380	16,3	3,83E+0 6	6,54E+0 6	5,21E+0 6	1,71	1,36	25	16	16	65331	Galectin-3-binding protein	M2BP
A0A0J9YXF8	16,3	2,31E+0 5	4,57E+0 5	3,30E+0 5	1,98	1,43	23	4	4	15097	Proline-rich protein 4	PRR4
A0A0J9YXF8	16,3	2,31E+0 5	4,57E+0 5	3,30E+0 5	1,98	1,43	21	4	4	16890	Proline-rich protein 4	PRR4
Q13217	16,08	5,03E+0 5	9,10E+0 5	7,50E+0 5	1,81	1,49	7	4	4	57580	DnaJ homolog subfamily C member 3	DNAJC3
Q02413	15,95	6,14E+0 6	5,98E+0 6	8,95E+0 6	0,97	1,46	16	15	15	11374 8	Desmoglein-1	DGI
Q8TDL5	15,89	2,72E+0 7	2,07E+0 7	3,11E+0 7	0,76	1,14	68	33	33	52442	BPI fold-containing family B member 1	SPLUNC1
Q86YZ3	15,04	3,83E+0 5	4,36E+0 5	7,28E+0 5	1,14	1,9	4	10	10	28238 9	Hornerin	HRNR
P02647	14,65	6,17E+0 6	3,76E+0 6	3,66E+0 6	0,61	0,59	50	13	13	30778	Apolipoprotein A-I	Apo-AI
P08493	14,54	3,59E+0 4	1,29E+0 5	8,37E+0 4	3,6	2,33	32	4	4	12353	Matrix Gla protein	MGP
P05141	14	1,46E+0 6	8,58E+0 5	8,69E+0 5	0,59	0,59	11	12	3	32852	ADP/ATP translocase	ANT 2

	P60174	13,64	7,76E+0 6	4,85E+0 6	4,95E+0 6	0,63	0,63	59	13	13	26669	Triosephosphate isomerase	TIM
	P68871	13,11	2,08E+0 6	1,24E+0 6	1,21E+0 6	0,59	0,58	53	16	7	15998	Hemoglobin subunit beta	HBB
	J3KNE3	13,07	2,16E+0 5	4,47E+0 5	1,97E+0 5	2,07	0,91	10	2	2	18357	Platelet-activating factor acetylhydrolase IB	PAFAH1B2
	P68871	200	1,92E+0 7	3,41E+0 6	1,53E+0 6	0,18	0,08	53	16	7	15998	Hemoglobin subunit beta	HBB
	P69905	200	9,57E+0 6	2,19E+0 6	8,80E+0 5	0,23	0,09	46	7	7	15258	Hemoglobin subunit alpha	HBA
	P28325	90,69	3,31E+0 7	1,04E+0 8	9,44E+0 7	3,14	2,85	73	22	20	16080	Cystatin-D	Cyst D
	Q96DR5	63,2	3,20E+0 7	8,12E+0 7	7,24E+0 7	2,54	2,26	63	29	28	27011	BPI fold-containing family A member 2	BPIFA2
	Q6E0U4	40,41	3,39E+0 5	4,88E+0 5	8,02E+0 5	1,44	2,37	9	4	4	47082	Dermokine	DMKN
	P80303	32,75	3,76E+0 6	8,72E+0 6	6,93E+0 6	2,32	1,84	34	17	15	50223	Nucleobindin-2	NEFA
	P01034	32,39	2,39E+0 6	5,77E+0 6	4,64E+0 6	2,41	1,94	64	13	13	15799	Cystatin-C	Cyst C
	P01036	31,64	9,61E+0 5	1,91E+0 6	2,02E+0 6	1,99	2,11	51	59	17	16214	Cystatin-S	Cyst S
	A0A590UJZ9	24,9	7,06E+0 6	3,84E+0 6	4,11E+0 6	0,54	0,58	10	10	10	16657 7	Deleted in malignant brain tumors 1 protein	Hensin
	P16403	24,51	3,18E+0 5	7,73E+0 5	4,06E+0 5	2,43	1,28	8	9	3	21365	Histone H1.2	H1-2
	P09228	22,77	5,27E+0 5	1,06E+0 6	1,00E+0 6	2,02	1,91	48	39	14	16445	Cystatin-SA	Cyst SA
Non-Taster	P12273	21,04	9,23E+0 6	1,69E+0 7	1,53E+0 7	1,83	1,65	77	34	34	16572	Prolactin-inducible protein	PIP

P61626	20,43	2,05E+07	3,10E+07	1,91E+07	1,51	0,93	69	30	30	16537	Lysozyme C	LYZ
P01037	19,41	3,02E+06	4,57E+06	5,40E+06	1,51	1,79	56	61	27	16388	Cystatin-SN	Cyst SN
P22079	17,9	1,13E+07	1,79E+07	1,79E+07	1,59	1,59	44	33	33	80288	Lactoperoxidase	LPO
Q86YZ3	15,55	2,31E+05	3,39E+05	2,07E+05	1,47	0,9	4	10	10	282389	Hornein	HRNR
P61088	13,86	3,71E+05	3,48E+05	6,82E+05	0,94	1,84	12	2	2	17377	Putative ubiquitin-conjugating enzyme E2 N-like	Ubc13
P49411	13,02	3,86E+06	2,21E+06	3,07E+06	0,57	0,8	13	7	7	49542	Elongation factor Tu mitochondrial	EF-Tu

^aSignificance: Only protein groups with a significance above this threshold are listed. The significance score is calculated as the $-10\log_{10}$ of the significance testing p-value. PEAKS provides ANOVA significance testing methods. A significance score threshold of 13 equals to a significance testing p value of 0.05.

Table 3S. Statistically significant changes ($p < 0.05$) (significance > 13 in the table) in salivary protein abundance 30 (t1) and 60 (t2) seconds after the oral intervention with the tannin spiked red wine (CRW) in T and NT individuals

PROP Phenotype	Accession	Significance	Intensity t0	Intensity t1	Intensity t2	Ratio t1/t0	Ratio t2/t0	Coverage (%)	Peptides	Unique	Avg. Mass	Protein Name	Abbreviation
Taster	P28325	200	1,19E+07	8,00E+07	4,99E+07	6,75	4,21	73	22	20	16080	Cystatin-D	Cyst D
	Q96DR5	95,44	2,10E+07	6,80E+07	4,62E+07	3,24	2,2	63	29	28	27011	BPI fold-containing family A member 2	BPIFA2
	Q6E0U4	91,04	4,68E+05	1,75E+06	7,19E+05	3,74	1,54	9	4	4	47082	Dermokine	DMKN
	P80303	89,17	2,25E+06	9,03E+06	4,88E+06	4	2,17	34	17	15	50223	Nucleobindin-2	NEFA
	P01036	87,35	1,01E+06	4,42E+06	3,52E+06	4,38	3,49	51	59	17	16214	Cystatin-S	Cyst S
	P01034	78,22	3,77E+06	1,41E+07	9,18E+06	3,73	2,43	64	13	13	15799	Cystatin-C	Cyst C
	P09228	59,79	1,08E+06	3,64E+06	2,33E+06	3,36	2,15	48	39	14	16445	Cystatin-SA	Cyst SA
	P01037	55,62	1,68E+06	5,85E+06	3,47E+06	3,48	2,06	56	61	27	16388	Cystatin-SN	Cyst SN

P12273	53,51	1,14E+07	2,98E+07	2,23E+07	2,61	1,95	77	34	34	16572	Prolactin-inducible protein	PIP
P22079	44,6	7,74E+06	2,05E+07	1,56E+07	2,64	2,01	44	33	33	80288	Lactoperoxidase	LPO
P69905	42,84	2,65E+06	7,15E+06	2,91E+06	2,7	1,1	46	7	7	15258	Hemoglobin subunit alpha	HBA
P52565	40,27	1,11E+06	5,43E+05	4,37E+05	0,49	0,39	22	5	5	23207	Rho GDP-dissociation inhibitor 1	Rho GDI 1
Q02818	38,29	2,03E+05	5,70E+05	3,28E+05	2,81	1,62	10	7	5	53879	Nucleobindin-1	NUCB1
P20930	35,55	9,67E+05	3,22E+06	1,31E+06	3,34	1,36	2	15	15	435180	Filaggrin	FLG
P0DTE8	34,37	2,53E+06	6,04E+06	4,27E+06	2,39	1,69	20	248	34	57768	Alpha-amylase 1C	AMY1C
P0DUB6	34,37	2,53E+06	6,04E+06	4,27E+06	2,39	1,69	20	248	34	57768	Alpha-amylase 1A	AMY1A
P0DTE7	34,37	2,53E+06	6,04E+06	4,27E+06	2,39	1,69	20	248	34	57768	Alpha-amylase 1B	AMY1B
P34096	29,96	3,38E+05	5,55E+05	8,75E+05	1,64	2,59	31	4	4	16840	Ribonuclease 4	RNase4
P61769	27,68	3,45E+06	7,18E+06	5,62E+06	2,08	1,63	49	5	5	13715	Beta-2-microglobulin	B2M
Q6UWP8	27,66	1,47E+06	2,80E+06	1,81E+06	1,91	1,23	34	16	16	60541	Suprabasin	SBSN
P68871	26,73	9,91E+05	2,23E+06	1,48E+06	2,25	1,49	53	16	7	15998	Hemoglobin subunit beta	HBB
J3KPA1	25,62	4,98E+06	1,07E+07	6,61E+06	2,16	1,33	33	15	15	30975	Cysteine-rich secretory protein 3	CRISP3
P23280	25,21	3,02E+06	5,80E+06	4,17E+06	1,92	1,38	70	38	38	35367	Carbonic anhydrase 6	CA-VI
Q08554	24,86	8,08E+05	1,12E+06	1,61E+06	1,39	2	8	6	6	99987	Desmocollin-1	DSC1
A0A087WZY1	24,46	3,40E+05	7,37E+05	5,73E+05	2,17	1,68	32	16	16	27911	Proline-rich proteoglycan 2-like	aPRP

A0A087WV42	24,46	3,40E+05	7,37E+05	5,73E+05	2,17	1,68	45	16	16	19134	Salivary acidic proline-rich phosphoprotein 1/2	PRP H1
A0A087WYT0	24,46	3,40E+05	7,37E+05	5,73E+05	2,17	1,68	48	16	16	17851	Salivary acidic proline-rich phosphoprotein 1/2	PRP H1
P02810	24,46	3,40E+05	7,37E+05	5,73E+05	2,17	1,68	51	16	16	17016	Salivary acidic proline-rich phosphoprotein 1/2	PRP H1
A0A0A0MT31	24,46	3,40E+05	7,37E+05	5,73E+05	2,17	1,68	51	16	16	17015	Proline-rich protein 4	PRP 4
P03973	22,84	7,91E+06	1,55E+07	8,93E+06	1,96	1,13	51	12	12	14326	Antileukoproteinase	ALP
P16870	22,83	1,65E+06	3,20E+06	2,83E+06	1,95	1,72	15	7	7	53151	Carboxypeptidase E	CPE
P25311	22,57	5,14E+06	1,10E+07	8,56E+06	2,13	1,66	70	33	33	34259	Zinc-alpha-2-glycoprotein	ZAG
P61626	22,08	4,17E+07	5,73E+07	3,32E+07	1,37	0,8	69	30	30	16537	Lysozyme C	LYZ
Q08380	21,92	4,68E+06	8,47E+06	7,37E+06	1,81	1,57	25	16	16	65331	Galectin-3-binding protein	M2BP
Q00765	20,43	4,02E+05	4,40E+05	1,29E+06	1,09	3,21	10	2	2	21493	Receptor expression-enhancing protein 5	REEP5
Q86YZ3	19,42	7,15E+04	4,18E+05	1,49E+05	5,84	2,08	3	8	8	282389	Hornerin	HRNR
Q96DA0	19,19	8,28E+06	9,27E+06	1,42E+07	1,12	1,71	60	40	40	22739	Zymogen granule protein 16 homolog B	ZG16B
P15515	18,43	1,20E+05	1,64E+06	8,96E+05	13,73	7,48	28	2	2	6963	Histatin-1	H1
tG3V1E2	18,06	1,30E+05	2,58E+05	1,90E+05	1,99	1,46	13	3	3	27868	45 kDa calcium-binding protein	SDF4
Q9HCY8	17,72	1,49E+07	8,57E+06	1,01E+07	0,58	0,68	81	8	8	11662	Protein S100-A14	S100A14

	Q9UBD6	16,6	9,43E+06	5,84E+06	5,34E+06	0,62	0,57	11	4	4	53179	Ammonium transporter Rh type C	RHCG
	F8W787	15,86	1,05E+06	1,94E+06	1,75E+06	1,84	1,65	14	6	6	40784	Cathepsin D	CTSD
	P29034	15,64	1,32E+07	7,53E+06	8,50E+06	0,57	0,64	28	5	5	11117	Protein S100-A2	S100A2
	Q5VYY1	15,06	2,58E+05	2,23E+05	7,58E+05	0,86	2,94	9	2	2	21849	Ankyrin repeat domain-containing protein 22	Q5VYY1
	P20061	14,85	1,48E+07	2,25E+07	1,91E+07	1,52	1,29	27	11	11	48207	Transcobalamin-1 OS=Homo sapiens	TCN1
	Q5D862	14,67	5,30E+05	1,03E+06	9,35E+05	1,95	1,76	1	4	4	248072	Filaggrin-2	FLG
	Q00325	14,08	1,64E+06	9,64E+05	1,30E+06	0,59	0,79	15	6	6	40095	Phosphate carrier protein mitochondrial	PHC
	I3L397	14	1,94E+06	2,18E+06	3,45E+06	1,13	1,78	27	6	6	16019	Eukaryotic translation initiation factor 5A (Fragment)	EIF5A
	P01876	13,56	7,60E+06	6,66E+06	5,18E+06	0,88	0,68	32	57	19	37655	Immunoglobulin heavy constant alpha 1	IGHA1
	P01871	13,2	9,34E+06	7,61E+06	6,15E+06	0,82	0,66	42	20	20	49440	Immunoglobulin heavy constant mu	IGHM
	P68871	200	8,37E+06	1,24E+06	6,66E+05	0,15	0,08	53	16	7	15998	Hemoglobin subunit beta	HBB
Non-Taster	P69905	200	2,01E+07	2,90E+06	1,33E+06	0,14	0,07	46	7	7	15258	Hemoglobin subunit alpha	HBA
	P28325	93,73	1,42E+07	4,78E+07	4,40E+07	3,37	3,1	73	22	20	16080	Cystatin-D	Cyst D

Q96DR5	89,32	2,31E+07	5,43E+07	6,47E+07	2,35	2,8	63	29	28	27011	BPI fold-containing family A member 2	BPIFA2
P80303	47,23	2,10E+06	5,63E+06	4,80E+06	2,68	2,28	34	17	15	50223	Nucleobindin-2	NEFA
P09228	42,99	1,19E+06	2,44E+06	3,10E+06	2,06	2,62	48	39	14	16445	Cystatin-SA	Cyst SA
P01036	42,34	1,18E+06	2,51E+06	3,00E+06	2,13	2,54	51	59	17	16214	Cystatin-S	Cyst S
P01037	35,31	1,75E+06	3,47E+06	4,41E+06	1,99	2,52	56	61	27	16388	Cystatin-SN	Cyst SN
P01034	31,59	4,55E+06	9,94E+06	9,43E+06	2,18	2,07	64	13	13	15799	Cystatin-C	Cyst C
Q6UWP8	29,87	1,23E+06	2,53E+06	1,97E+06	2,06	1,6	34	16	16	60541	Suprabasin	SBSN
P80511	27,95	1,18E+07	7,52E+06	6,39E+06	0,64	0,54	47	5	5	10575	Protein S100-A12	S100A12
P20160	27,22	2,23E+07	1,37E+07	1,08E+07	0,61	0,48	30	11	11	26886	Azurocidin	AZU1
P22079	26,53	8,81E+06	1,72E+07	1,48E+07	1,96	1,68	44	33	33	80288	Lactoperoxidase	LPO
P08246	26,02	1,96E+07	1,17E+07	1,11E+07	0,6	0,56	50	17	17	28518	Neutrophil elastase	HLE
A0A087WZY1	22,71	3,38E+05	6,99E+05	5,71E+05	2,07	1,69	32	16	16	27911	Proline-rich proteoglycan 2-like	aPRP
A0A087WV42	22,71	3,38E+05	6,99E+05	5,71E+05	2,07	1,69	45	16	16	19134	Salivary acidic proline-rich phosphoprotein 1/2	PRP H1
A0A087WYT0	22,71	3,38E+05	6,99E+05	5,71E+05	2,07	1,69	48	16	16	17851	Salivary acidic proline-rich phosphoprotein 1/2	PRP H1
P02810	22,71	3,38E+05	6,99E+05	5,71E+05	2,07	1,69	51	16	16	17016	Salivary acidic proline-rich phosphoprotein 1/2	aPRPR
A0A0A0MT31	22,71	3,38E+05	6,99E+05	5,71E+05	2,07	1,69	51	16	16	17015	Proline-rich protein 4	PRP 4

Q9HDC9	21,36	2,40E+06	1,42E+06	1,29E+06	0,59	0,54	14	6	6	46480	Adipocyte plasma membrane-associated protein	BSCv
Q02818	21,34	1,87E+05	3,32E+05	3,85E+05	1,77	2,05	10	7	5	53879	Nucleobindin-1	CALNUC
P12273	21,24	1,23E+07	2,13E+07	2,08E+07	1,72	1,69	77	34	34	16572	Prolactin-inducible protein	PIP
O95197	20,46	1,15E+06	1,54E+06	7,07E+05	1,34	0,61	2	3	2	112611	Reticulon-3	RTN3
P02763	19,84	2,16E+06	1,43E+06	1,21E+06	0,66	0,56	32	9	6	23540	Alpha-1-acid glycoprotein I	AGP 1
Q6E0U4	19,63	3,60E+05	6,23E+05	5,53E+05	1,73	1,54	9	4	4	47082	Dermokine	DMKN
A0A2R8YDF1	19,19	4,73E+06	2,96E+06	2,51E+06	0,63	0,53	19	11	11	53369	Bactericidal permeability-increasing protein	BPI
H7C2Z6	18,76	7,63E+05	4,34E+05	3,90E+05	0,57	0,51	31	5	5	16831	Grancalcin (Fragment)	GCA
P49411	18,12	4,09E+06	1,98E+06	2,87E+06	0,49	0,7	13	7	7	49542	Elongation factor Tu mitochondrial	EF-Tu
P61626	17,38	2,83E+07	4,64E+07	4,27E+07	1,64	1,51	69	30	30	16537	Lysozyme C	LYZ
P03973	16,65	6,49E+06	1,08E+07	1,11E+07	1,67	1,7	51	12	12	14326	Antileukoproteinase	ALP
P01024	16,41	1,53E+07	1,10E+07	9,81E+06	0,72	0,64	31	57	56	187147	Complement C3	C3
J3KPA1	16,37	4,91E+06	9,00E+06	7,38E+06	1,83	1,5	33	15	15	30975	Cysteine-rich secretory protein 3	CRISP3
P06702	15,44	5,09E+07	3,29E+07	3,29E+07	0,65	0,65	86	23	23	13242	Protein S100-A9	S100A9
P00738	15,39	7,03E+06	5,14E+06	4,46E+06	0,73	0,63	43	17	17	45205	Haptoglobin	HP
A0A494C0X7	15,27	1,75E+06	1,19E+06	1,02E+06	0,68	0,58	14	11	11	84791	Integrin beta	ITGB2
P15515	15,04	9,91E+04	7,03E+05	5,80E+05	7,09	5,85	28	2	2	6963	Histatin-1	H1

P13796	14,93	1,51E+07	1,27E+07	9,38E+06	0,84	0,62	42	32	24	70289	Plastin-2	LCP1
A8K2U0	14,88	1,68E+07	1,08E+07	1,18E+07	0,64	0,7	34	49	48	161106	Alpha-2-macroglobulin-like protein 1	A2ML1
P08311	14,57	1,59E+07	1,08E+07	1,03E+07	0,68	0,65	57	20	20	28837	Cathepsin G	CG
P16870	14,26	1,67E+06	2,73E+06	2,24E+06	1,63	1,34	15	7	7	53151	Carboxypeptidase E	CPE
P01023	14,16	1,26E+07	9,67E+06	8,52E+06	0,77	0,68	26	37	37	163290	Alpha-2-macroglobulin	Alpha-2-M
Q96P63	13,25	2,52E+05	3,27E+05	4,39E+05	1,3	1,74	9	4	4	46276	Serpin B12	Serpin B12

Significance: Only protein groups with a significance above this threshold are listed. The significance score is calculated as the $-10\log_{10}$ of the significance testing p-value. PEAKS provides ANOVA significance testing methods . A significance score threshold of 13 equals to a significance testing p value of 0.05.