

## Supporting Information (S1 Table)

Data points behind means (Fig 3).

### Label-free quantitative $^1\text{H}$ NMR spectroscopy to study low-affinity ligand–protein interactions in solution: A contribution to the mechanism of polyphenol-mediated astringency

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EC	7.07 ppm	7.00 ppm	6.15 ppm	6.11 ppm
mucin [ $\mu\text{mol/L}$ ]	EC [ $\mu\text{mol/L}$ ]			
0	2.50	2.51	2.52	2.54
0.175	2.31	2.41	2.34	2.35
0.250	2.28	2.36	2.22	2.17
0.625	2.00	2.09	1.64	1.66
0.875	1.90	1.96	1.38	1.40
1.250	1.76	1.86	1.24	1.25
1.875	1.46	1.49	0.84	0.86
2.500	1.30	1.32	0.71	0.74

ECG	7.03 ppm	6.90 ppm	6.19 ppm
mucin [ $\mu\text{mol/L}$ ]	ECG [ $\mu\text{mol/L}$ ]		
0	2.53	2.55	2.50
0.063	2.32	2.22	2.21
0.125	2.07	2.14	1.78
0.150	1.77	1.86	1.56
0.188	1.59	1.70	1.37
0.250	1.33	1.47	1.13
0.375	0.91	1.06	0.77
0.500	0.75	0.89	0.58
1.000	0.33	0.39	0.29
1.250	0.27	0.36	0.22

EGC	6.69 ppm	6.18 ppm	6.14 ppm
mucin [ $\mu\text{mol/L}$ ]	EGC [ $\mu\text{mol/L}$ ]		
0	2.50	2.50	2.50
0.375	2.52	2.32	2.32
1.250	2.03	1.16	1.24
1.875	1.34	0.74	0.78
2.500	1.05	0.58	0.62

EGCG	7.04 ppm	6.66 ppm	6.20 ppm
mucin [ $\mu\text{mol/L}$ ]	EGCG [ $\mu\text{mol/L}$ ]		
0	2.49	2.50	2.50
0.125	1.94	1.97	1.65
0.188	1.51	1.61	1.24
0.250	1.18	1.32	0.94
0.375	0.78	0.98	0.69
0.500	0.57	0.78	0.52
0.625	0.52	0.65	0.42
0.750	0.44	0.57	0.36
0.875	0.37	0.48	0.28
1.000	0.32	0.43	0.26
1.250	0.19	0.3	0.17

methyl gallate	measurement 1	measurement 2
	7.17 ppm	
mucin [ $\mu\text{mol/L}$ ]	methyl gallate [ $\mu\text{mol/L}$ ]	
0	2.50	2.50
0.125	2.18	-
0.375	2.06	-
0.625	1.99	1.94
0.875	1.84	-
1.250	1.72	1.77
1.875	1.53	-
2.500	1.40	1.44

rutin	7.43 ppm	6.88 ppm	6.16 ppm
mucin [ $\mu\text{mol/L}$ ]	rutin [ $\mu\text{mol/L}$ ]		
0	2.50	2.50	2.51
1.000	2.23	2.49	2.12
2.500	1.60	2.25	1.38
5.000	1.00	1.77	0.68