



Figure S1. Packaging used in PATHWAY-27. (A) biscuits, (B) milkshake powder, (C) pancakes.

Table S1. Quantitative analysis of SCFA and MCFA in fasting serum at T0 and T28 of the dairy intervention.

	Concentration in fasting serum (μM)															
	acetic acid		propionic acid		isobutyric acid		butyric acid		2-methylbutyric + isovaleric acid		valeric acid		Hexanoic acid		Heptanoic acid	
	T0	T28	T0	T28	T0	T28	T0	T28	T0	T28	T0	T28	T0	T28	T0	T28
AC	22.86	47.81	4.09	4.29	2.65	2.24	2.315	2.675	1.674	4.099	0.148	0.175	0.661	0.73	0.132	0.168
AC	79.82	39.27	4.17	3.66	1.81	1.94	3.056	2.261	2.713	2.42	0.291	0.16	1.046	0.736	0.202	0.117
AC	26.16	35.95	2.79	3.69	2.2	1.98	1.68	2.625	1.135	2.048	0.164	0.227	0.708	0.785	0.129	0.158
AC	21.35	24.1	3.74	3.51	2.03	2.53	2.153	2.066	0.888	1.026	0.646	0.68	0.794	0.644	0.152	0.138
AC	23.43	29.61	3.09	3.28	2.01	2.14	1.921	1.703	1.737	3.383	0.144	0.161	0.734	0.702	0.181	0.134
AC	44.73	40.52	7.81	5.73	3.63	3.1	8.274	4.248	2.476	2.769	0.752	0.668	0.473	0.516	0.101	0.112
AC	26.92	1041.32*	2.74	3.3	1.9	2.21	1.817	2.568	1.237	1.934	0.117	0.134	0.701	1.061	0.156	0.423
AC	25.76	231.65	2.94	3.13	1.73	1.84	1.646	1.786	1.389	2.002	0.124	0.172	0.52	0.698	0.088	0.11
AC	18.32	20.16	2.33	2.2	1.89	1.71	1.158	1.051	1.215	1.666	0.112	0.134	0.557	0.587	0.097	0.116
AC	17.51	23.02	2.21	2.37	1.98	1.74	1.281	1.467	1.024	2.146	0.098	0.138	0.41	0.502	0.095	0.105
AC	23.87	25.57	3.57	4.4	1.96	2.36	2.108	1.769	1.645	1.957	0.144	0.126	0.596	0.569	0.121	0.101
AC	18.53	17.66	2.62	2.16	1.9	1.43	1.392	1.255	1.154	1.086	0.117	0.13	0.782	0.713	0.125	0.119
AC	21.17	26.62	2.44	2.17	1.66	1.62	1.262	1.214	2.13	1.619	0.094	0.096	0.558	0.679	0.114	0.14
AC	28.61	26.33	2.3	2.47	1.96	1.93	1.24	1.739	1.424	1.206	0.113	0.164	0.636	0.937	0.115	0.149

AC	27.54	41.65	2.97	4.08	2.04	1.9	1.934	3.463	2.183	2.845	0.182	0.309	0.672	0.847	0.12	0.13
mean	28.439	44.994	3.321	3.363	2.090	2.045	2.216	2.126	1.602	2.147	0.216	0.232	0.657	0.714	0.129	0.148
OBG	26.49	24.93	3.73	3.32	2.12	2.18	2.406	2.429	3.727	1.045	0.242	0.172	0.663	0.648	0.114	0.125
OBG	18.72	23.46	3.04	2.63	1.86	1.76	1.91	1.92	1.202	1.773	0.119	0.219	0.487	0.712	0.117	0.125
OBG	17.44	37.33	2.49	2.82	1.71	2.02	1.128	1.591	0.961	1.818	0.103	0.113	0.598	0.679	0.118	0.094
OBG	23.98	28.95	2.81	3.02	1.91	1.95	1.345	1.561	2.026	2.182	0.097	0.155	0.77	0.83	0.105	0.116
OBG	37.29	24.48	2.67	2.72	1.82	2.25	2.053	1.64	1.344	1.374	0.114	0.107	0.54	0.571	0.101	0.101
OBG	24.78	40.03	2.21	3.2	1.83	2.11	2.02	3.005	1.852	1.695	0.141	0.351	0.552	0.547	0.091	0.132
OBG	21	20.42	2.27	1.85	1.44	1.45	1.303	1.007	0.806	0.908	0.081	0.09	0.539	0.49	0.101	0.091
OBG	17.02	18.89	2.03	2.78	1.41	1.53	0.919	1.168	0.838	0.995	0.087	0.104	0.448	0.438	0.099	0.119
OBG	39.43	61.21	3.14	4.2	2.06	1.94	2.117	3.248	1.523	1.783	0.174	0.227	0.871	0.585	0.134	0.108
OBG	25.49	28.85	2.8	3.05	2.05	1.86	1.61	1.742	1.458	1.963	0.173	0.17	0.805	0.667	0.161	0.137
OBG	18.65	20.21	2.45	2.6	1.9	2.03	1.355	1.451	1.054	1.146	0.115	0.106	0.927	0.779	0.132	0.125
OBG	24.79	18.45	3.14	2.6	1.85	1.52	1.983	1.41	1.407	1.47	0.157	0.159	0.578	0.41	0.109	0.091
mean	24.59	28.93	2.73	2.90	1.83	1.88	1.68	1.85	1.52	1.51	0.13	0.16	0.65	0.61	0.12	0.11
DHA	23.56	48.74	2.88	3.2	1.68	1.79	2.226	2.121	3.198	1.578	0.12	0.094	0.635	0.79	0.138	0.123
DHA	39.9	39	3.11	2.87	1.95	1.87	1.87	1.429	1.797	1.961	0.126	0.09	0.695	0.534	0.158	0.114
DHA	38.35	30.79	3.66	3.81	2.28	2.81	2.262	2.171	2.531	2.654	0.133	0.143	1.2	1.251	0.131	0.13
DHA	38.91	40.17	3.06	2.86	2.09	2.05	1.558	1.517	1.706	2.643	0.104	0.11	0.684	0.712	0.109	0.112
DHA	18.32	27.6	2.52	2.74	1.47	1.74	1.404	1.472	0.991	1.11	0.234	0.126	0.833	0.677	0.281	0.133
DHA	34.49	30.37	3.05	2.84	1.61	1.76	1.654	1.42	1.045	2.064	0.103	0.112	0.492	0.477	0.157	0.121
DHA	57.42	40.71	3.01	3.37	1.88	1.64	2.982	3.821	1.609	1.622	0.213	0.283	0.581	0.653	0.117	0.215
DHA	30.77	52.91	2.83	3.36	1.82	2.11	1.775	2.715	2.181	2.87	0.118	0.155	0.637	0.714	0.124	0.107
DHA	22.49	44.24	2.25	3.36	1.74	1.89	1.13	2.02	1.141	2.218	n.d	0.134	0.492	0.541	0.088	0.09
DHA	56.26	62.3	3.14	2.68	2.26	2.26	2.044	1.432	2.347	1.6	0.139	0.134	0.535	0.638	0.114	0.115
DHA	22.79	29.35	2.96	4.46	1.67	2.4	1.549	2.072	1.433	2.471	0.182	0.229	0.775	0.691	0.207	0.142
DHA	35.14	42.22	2.54	2.25	1.84	1.85	1.696	1.632	1.215	1.257	0.102	0.158	0.601	0.712	0.115	0.115
DHA	50.22	26.25	2.92	2.32	1.84	1.83	1.542	1.336	1.888	3.742	0.117	0.152	0.532	0.525	0.105	0.112
DHA	27.63	19.11	2.59	2.53	1.78	1.72	1.791	1.63	1.701	1.371	0.127	0.109	0.597	0.645	0.134	0.16
mean	35.45	38.13	2.89	3.05	1.85	1.98	1.82	1.91	1.77	2.08	0.14	0.14	0.66	0.68	0.14	0.13
DHA+AC	24.79	28.61	3.22	3.29	1.59	1.56	1.821	1.712	0.763	1.197	0.152	0.161	1.042	0.604	0.176	0.113
DHA+AC	25.8	30.71	2.95	3.6	1.92	2.34	1.39	1.61	1.419	1.757	0.138	0.219	0.626	0.72	0.144	0.192
DHA+AC	21.73	39.77	3.19	3.45	2.26	1.95	1.662	2.181	2.446	2.836	0.133	0.156	0.699	0.7	0.137	0.171
DHA+AC	27.95	25.29	3.33	2.61	1.9	1.89	2.773	1.83	2.672	2.441	0.143	0.143	0.686	0.626	0.118	0.107
DHA+AC	32.92	32.08	3.64	3.03	2.09	1.85	1.972	1.886	1.961	2.004	0.198	0.154	0.96	0.689	0.205	0.14
DHA+AC	30.93	30.06	2.88	2.5	1.89	1.68	2.04	1.936	1.08	1.372	0.147	0.123	0.701	0.729	0.15	0.146

DHA+AC	29.22	54.02	3.34	6.39	2.16	2	2.212	4.325	2.838	2.298	0.259	0.262	0.824	0.704	0.189	0.12
DHA+AC	18.84	25.03	2.55	2.42	1.97	2.14	1.263	1.716	1.078	1.139	0.078	0.107	0.723	0.67	0.102	0.126
DHA+AC	23.25	25.98	2.93	2.38	1.67	1.42	2.377	1.669	1.954	1.293	0.61	0.404	0.64	0.581	0.151	0.111
DHA+AC	22.69	29.28	2.84	3.34	1.77	1.89	1.739	2.038	1.894	1.838	0.088	0.162	0.698	0.632	0.099	0.115
DHA+AC	23.88	20.37	2.52	2.34	1.79	1.8	1.291	1.338	1.455	1.121	0.105	0.127	0.682	0.558	0.098	0.088
DHA+AC	19.81	21.65	2.31	2.39	1.53	1.64	1.622	1.48	1.017	1.101	0.079	0.087	0.704	0.551	0.088	0.097
mean	25.15	30.24	2.98	3.15	1.88	1.85	1.85	1.98	1.71	1.70	0.18	0.18	0.75	0.65	0.14	0.13
DHA+OB	23.27	23.23	2.85	3.1	1.96	2.65	1.694	2.233	1.135	3.595	0.103	0.132	0.523	0.597	0.125	0.121
DHA+OB	18.09	29.67	2.86	3.63	1.85	2.28	1.613	2.302	1.797	4.149	0.205	0.187	0.883	0.749	0.239	0.165
DHA+OB	52.98	30.77	2.65	2.57	1.73	1.77	1.742	1.481	2.044	1.736	0.091	0.109	0.731	0.558	0.106	0.134
DHA+OB	21.22	31.78	4.05	4.4	1.8	1.98	2.121	2.339	1.341	1.686	0.239	0.277	0.56	0.522	0.143	0.12
DHA+OB	194.62	162.79	3	2.71	2.39	1.94	1.501	1.546	0.834	1.88	0.161	0.119	0.774	0.668	0.183	0.166
DHA+OB	22.21	31.26	2.17	2.45	1.46	1.59	1.169	1.391	1.271	1.77	0.14	0.097	1.101	0.862	0.149	0.1
DHA+OB	21.93	23.4	3.14	3.81	2.28	2	2.064	2.632	1.885	1.996	0.136	0.315	0.772	0.511	0.106	0.087
DHA+OB	23.73	30.12	3.05	3.11	2.08	2.09	1.818	2.226	1.584	1.676	0.112	0.098	0.639	0.597	0.094	0.102
DHA+OB	14.75	17.67	2.36	2.46	1.88	1.64	1.153	1.636	1.321	1.813	0.122	0.401	0.59	0.916	0.102	0.452
DHA+OB	26.29	39.6	2.39	2.28	1.62	1.83	1.33	1.359	1.289	2.332	0.137	0.104	0.904	0.77	0.193	0.117
DHA+OB	17.81	22.48	2.93	2.53	1.97	1.78	2.101	1.557	1.523	1.715	0.307	0.145	0.979	0.529	0.202	0.117
DHA+OB	17.33	28.26	2.37	2.43	1.67	1.95	1.37	1.82	1.167	1.753	0.108	0.173	0.565	0.538	0.124	0.109
DHA+OB	14.07	15.73	1.91	1.99	1.53	1.7	1.05	1.232	1.162	0.775	n.d	0.095	0.483	0.494	0.1	0.092
mean	36.02	37.44	2.75	2.88	1.86	1.94	1.59	1.83	1.41	2.07	0.16	0.17	0.73	0.64	0.14	0.14

* Value was removed as an outlier. Concentrations are given in μM . n.d – not detected.

Table S2. Quantification of main polyphenol metabolites in fasting serum at T0 and T28 of the dairy intervention.

	Concentration in fasting serum (μM)													
	4-hydroxybenzoic acid		3-(3-hydroxyphenyl)propanoic acid		vanillic acid		homovanillic acid		hippuric acid		t-ferulic acid		Cinnamic acid	
	T0	T28	T0	T28	T0	T28	T0	T28	T0	T28	T0	T28	T0	T28
AC	n.d.	n.d.	0.44	0.74	0.02	0.81	0.13	0.13	1.97	6.04	n.d.	n.d.	9.74	9.36
AC	n.d.	n.d.	1.06	2.10	0.03	0.07	0.12	0.49	7.89	12.38	n.d.	n.d.	9.75	10.15
AC	n.d.	n.d.	0.90	1.09	0.01	0.01	0.09	0.14	24.15	15.81	n.d.	n.d.	9.44	9.15
AC	n.d.	n.d.	0.35	0.34	0.02	0.01	0.16	n.d.	3.20	1.46	n.d.	n.d.	9.30	6.98
AC	n.d.	n.d.	1.66	1.84	n.d.	0.03	0.29	0.14	7.61	12.57	n.d.	n.d.	8.69	8.52
AC	n.d.	n.d.	1.42	0.73	0.02	0.01	0.09	0.12	9.91	3.68	n.d.	0.00	8.94	9.62
AC	1.27	1.84	0.12	0.38	0.01	0.01	0.08	0.07	1.22	0.83	n.d.	n.d.	8.96	9.10
AC	n.d.	n.d.	0.43	0.57	0.01	0.00	0.15	0.17	5.14	11.28	n.d.	0.01	9.23	9.09

AC	n.d.	n.d.	0.44	0.96	n.d.	0.01	0.09	0.16	6.60	11.48	n.d.	n.d.	9.02	8.73
AC	n.d.	n.d.	0.69	1.04	0.00	0.01	0.09	0.12	7.66	5.03	n.d.	n.d.	9.07	8.52
AC	n.d.	n.d.	1.11	1.71	0.01	0.03	0.18	0.20	22.37	11.54	n.d.	n.d.	10.64	8.61
AC	n.d.	n.d.	2.65	0.80	0.01	0.02	0.12	0.27	11.43	6.80	n.d.	n.d.	8.15	8.91
AC	n.d.	n.d.	0.52	1.84	n.d.	0.01	0.10	0.13	18.63	16.18	n.d.	n.d.	9.37	9.16
AC	n.d.	n.d.	2.40	3.76	0.02	0.01	0.17	0.20	7.83	4.33	0.01	n.d.	8.62	9.08
AC	n.d.	n.d.	0.47	0.51	n.d.	0.01	0.05	n.d.	3.65	4.23	n.d.	n.d.	8.48	9.51
mean	1.27	1.84	0.98	1.23	0.02	0.07	0.13	0.18	9.28	8.24	0.01	0.00	9.16	8.96
OBG	n.d.	n.d.	1.02	1.08	0.00	0.01	0.04	0.09	21.12	8.55	n.d.	n.d.	7.46	8.58
OBG	n.d.	n.d.	1.11	0.82	0.01	0.02	0.04	0.18	4.23	5.50	n.d.	n.d.	8.52	9.88
OBG	n.d.	0.12	1.28	2.09	0.01	0.04	0.13	0.20	6.96	4.33	n.d.	n.d.	8.92	11.14
OBG	n.d.	n.d.	0.19	0.65	0.39	0.50	0.13	0.06	4.27	4.39	n.d.	n.d.	9.07	9.58
OBG	n.d.	n.d.	0.55	0.69	0.02	0.01	0.14	0.17	5.88	2.89	n.d.	n.d.	9.84	9.97
OBG	n.d.	n.d.	0.59	1.06	0.01	0.01	0.09	0.06	2.72	6.19	n.d.	n.d.	9.11	8.80
OBG	n.d.	n.d.	0.74	0.72	n.d.	0.06	0.10	0.18	15.84	7.22	n.d.	n.d.	9.48	9.78
OBG	n.d.	n.d.	0.66	1.26	n.d.	0.02	0.05	0.10	4.14	7.98	0.01	n.d.	8.42	8.52
OBG	n.d.	n.d.	1.27	1.20	0.01	0.01	0.10	0.16	2.92	2.33	n.d.	n.d.	9.97	8.67
OBG	n.d.	n.d.	1.07	1.02	0.03	0.01	0.18	0.07	13.54	8.35	0.01	n.d.	10.06	8.17
OBG	n.d.	n.d.	1.10	0.47	0.02	0.36	0.14	0.06	2.10	3.56	n.d.	n.d.	10.18	8.82
OBG	n.d.	n.d.	0.89	0.94	0.01	n.d.	0.06	0.24	11.89	5.87	n.d.	n.d.	9.65	9.69
mean	n/a	0.12	0.87	1.00	0.05	0.09	0.10	0.13	7.97	5.60	0.01	n/a	9.22	9.30
DHA	n.d.	n.d.	0.87	2.10	0.02	0.02	0.10	0.30	6.60	8.52	n.d.	n.d.	8.81	9.23
DHA	n.d.	n.d.	5.28	1.01	0.02	0.01	0.30	0.21	11.47	1.80	n.d.	n.d.	9.35	10.10
DHA	n.d.	n.d.	0.45	0.69	0.03	0.02	0.14	0.09	7.64	6.47	n.d.	n.d.	7.04	9.61
DHA	n.d.	0.65	0.71	0.52	n.d.	0.02	0.09	0.10	7.34	3.79	n.d.	n.d.	9.89	10.12
DHA	n.d.	n.d.	0.78	0.78	0.01	0.01	0.07	0.13	4.18	6.30	n.d.	n.d.	9.53	9.23
DHA	n.d.	n.d.	1.42	2.59	0.02	0.02	0.09	0.11	4.17	3.93	n.d.	n.d.	8.83	9.71
DHA	n.d.	n.d.	2.71	1.39	0.02	0.01	0.30	0.12	37.25	30.29	0.01	0.00	11.44	9.30
DHA	n.d.	n.d.	3.73	3.94	0.01	0.00	0.05	0.12	2.88	10.03	n.d.	n.d.	8.89	9.42
DHA	n.d.	n.d.	0.97	1.24	n.d.	0.01	0.07	0.24	6.16	9.93	n.d.	n.d.	7.95	9.71
DHA	n.d.	n.d.	2.15	1.13	0.02	0.03	0.42	0.12	8.57	5.30	n.d.	n.d.	9.24	7.96
DHA	n.d.	n.d.	1.10	1.73	0.01	0.01	0.05	0.21	10.89	10.27	n.d.	n.d.	8.98	9.98
DHA	n.d.	n.d.	0.50	0.35	0.01	0.01	0.11	0.17	9.08	5.36	n.d.	n.d.	9.03	9.25
DHA	n.d.	0.46	1.15	1.22	0.00	0.04	n.d.	0.10	6.77	13.97	n.d.	0.00	9.71	9.87
DHA	n.d.	n.d.	1.05	1.60	0.00	0.01	0.11	0.23	1.11	0.91	n.d.	n.d.	7.86	9.63
mean	n/a	0.56	1.63	1.45	0.01	0.02	0.14	0.16	8.86	8.35	0.01	0.00	9.04	9.51
DHA+AC	0.12	n.d.	0.71	0.70	0.01	0.01	0.06	0.08	9.89	9.11	n.d.	0.00	9.04	8.51
DHA+AC	n.d.	n.d.	0.24	0.52	0.02	0.01	0.17	0.15	5.00	2.34	n.d.	n.d.	10.13	8.92

DHA+AC	n.d.	n.d.	0.65	0.89	0.02	0.02	0.09	0.04	5.30	19.16	0.01	n.d.	9.67	10.01
DHA+AC	n.d.	n.d.	1.06	0.45	0.02	n.d.	0.09	0.09	3.17	3.00	n.d.	n.d.	8.59	8.86
DHA+AC	n.d.	n.d.	0.88	1.45	0.01	0.04	0.08	0.07	5.23	6.58	n.d.	n.d.	10.08	10.19
DHA+AC	n.d.	n.d.	1.37	0.97	0.05	0.02	0.17	0.14	2.16	4.69	n.d.	0.01	9.81	8.35
DHA+AC	n.d.	n.d.	0.96	1.06	0.01	0.01	0.15	0.08	4.76	5.62	n.d.	n.d.	8.40	8.56
DHA+AC	n.d.	n.d.	0.66	0.73	0.02	0.01	0.21	0.13	3.48	3.20	n.d.	n.d.	9.36	9.83
DHA+AC	n.d.	n.d.	2.26	1.60	0.01	0.02	0.16	0.08	6.66	8.81	0.01	n.d.	9.47	9.51
DHA+AC	n.d.	n.d.	0.44	1.30	n.d.	0.03	0.10	0.20	11.44	12.90	n.d.	n.d.	9.25	8.91
DHA+AC	n.d.	n.d.	0.41	0.75	0.01	0.01	0.09	n.d.	2.87	12.66	n.d.	n.d.	7.22	10.46
DHA+AC	n.d.	n.d.	0.51	0.25	0.01	0.01	0.16	0.08	8.64	4.01	n.d.	n.d.	9.94	8.29
mean	0.12	n/a	0.85	0.89	0.02	0.02	0.12	0.10	5.72	7.67	0.01	0.00	9.25	9.20
DHA+OB	n.d.	n.d.	0.66	1.06	n.d.	0.01	0.10	0.17	5.80	2.80	n.d.	n.d.	10.12	9.97
DHA+OB	n.d.	n.d.	0.33	0.34	0.02	0.03	0.09	0.06	3.56	1.57	n.d.	n.d.	10.04	10.02
DHA+OB	n.d.	n.d.	3.75	1.00	0.01	0.01	0.29	0.16	32.30	8.33	0.00	n.d.	11.09	7.94
DHA+OB	n.d.	n.d.	2.74	0.78	0.01	0.03	0.16	0.08	6.00	4.97	n.d.	n.d.	9.87	9.15
DHA+OB	n.d.	n.d.	0.71	1.03	0.02	0.02	0.16	0.19	3.51	6.70	n.d.	0.00	10.23	9.78
DHA+OB	n.d.	n.d.	1.15	1.17	0.01	0.01	0.13	0.08	7.99	10.48	n.d.	n.d.	10.19	10.43
DHA+OB	n.d.	n.d.	1.54	1.54	0.01	0.01	0.11	0.12	6.29	5.81	n.d.	n.d.	9.78	8.17
DHA+OB	n.d.	n.d.	1.72	1.54	0.01	0.02	0.31	0.18	14.88	10.78	n.d.	n.d.	8.59	9.58
DHA+OB	n.d.	n.d.	1.68	1.18	0.01	0.03	0.07	0.07	3.45	6.27	n.d.	n.d.	9.71	9.83
DHA+OB	n.d.	n.d.	1.44	0.85	n.d.	0.01	0.19	0.19	6.56	1.88	n.d.	n.d.	8.72	8.94
DHA+OB	n.d.	n.d.	0.26	0.53	0.00	0.01	0.19	0.14	9.90	8.26	n.d.	n.d.	9.11	8.80
DHA+OB	n.d.	n.d.	0.53	3.22	0.01	0.02	0.12	0.10	3.57	4.21	n.d.	n.d.	7.85	9.64
DHA+OB	n.d.	n.d.	1.77	3.31	n.d.	0.01	0.13	0.15	1.42	8.64	0.01	0.00	8.82	9.34
mean	n/a	n/a	1.40	1.35	0.01	0.02	0.16	0.13	8.09	6.21	0.01	0.00	9.55	9.35

Concentration is given in μM . Following compounds were found <LOD: 2,6-diOH-benzoic acid, 3,5-diOH-benzoic acid, 2,5-diOH-benzoic acid, protocatechuic acid, gallic acid, p-coumaric acid, m-coumaric acid, o-coumaric acid, 3,4-hydroxyphenyl propionic acid, 3-hydroxyphenyl acetic acid, 3,4-dihydroxyphenyl acetic acid, alpha-hydroxyhippuric acid, caffeic acid, ellagic acid, sinapic acid, syringic acid, urolithin A, urolithin B, pyrocatechol, pyrogallol, Catechin, 3-O-methylgallic acid, phloroglucinol, delphinidin-3-glucoside, delphinidin-3-galactoside (as dp-3-glc), cyanidin-3-glucoside, cyanidin-3-galactoside, petunidin-3-glucoside, petunidin-3-galactoside (as pt-3-glc), peonidin-3-glucoside, peonidin-3-galactoside, malvidin-3-glucoside, malvidin-3-galactoside, pelargonidin-3-glucoside, pelargonidin-3-galactoside (as Pg-3-glc); n.d = not detected. n/a = not applicable.