

Table S1. List and the content of phytochemicals of 462 tea accessions in this study

Accessions No.	Origin	C ^l		Caf		Cg		EC		ECG		EGCG		G ⁱ
		2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019	2018
IT290530	KOR	1.44	3.01	13.4	12.3	0.9	1.7	7.9	6.0	6.0	8.9	45.9	41.3	6.7
IT290531	KOR	3.40	4.08	17.6	13.6	1.4	1.4	11.6	14.3	6.2	9.3	36.6	26.4	4.0
IT290532	KOR	1.58	4.34	21.5	13.4	1.6	2.1	7.3	4.4	7.7	11.9	56.2	44.4	3.2
IT290533	KOR	2.40	9.12	12.0	10.7	3.9	5.1	8.8	5.8	13.1	14.3	55.2	43.3	1.5
IT290534	KOR	1.86	2.76	16.1	13.1	0.7	3.8	16.4	12.2	9.5	13.3	46.7	38.0	4.0
IT290535	KOR	-	3.69	19.1	16.8	0.5	1.4	11.8	6.1	8.3	12.5	48.7	45.3	5.5
IT290536	KOR	2.74	4.94	18.5	18.4	-	0.6	15.5	11.7	14.6	15.9	65.1	63.0	5.9
IT290537	KOR	2.81	11.32	19.3	11.8	0.4	8.1	8.2	7.4	7.5	10.2	62.5	39.7	2.9
IT290538	KOR	1.65	5.18	22.5	6.2	0.2	6.0	9.3	5.7	4.6	7.1	40.7	28.2	2.4
IT290539	KOR	3.03	2.27	13.3	8.9	0.2	1.8	14.6	11.5	6.1	8.1	34.1	33.2	4.4
IT290540	KOR	3.74	5.57	13.1	12.8	1.4	1.5	8.5	6.0	9.3	12.8	67.5	59.7	2.1
IT290541	KOR	1.97	11.38	16.5	3.7	0.5	10.6	10.2	4.8	10.0	7.6	41.9	25.9	2.8
IT290542	KOR	1.80	2.65	23.3	18.6	0.9	2.4	11.1	9.5	13.2	18.5	76.3	65.2	1.3
IT290543	KOR	3.99	4.16	18.9	18.9	4.3	2.4	10.4	6.3	12.2	17.0	64.6	58.5	3.7
IT290544	KOR	-	7.09	23.7	12.8	-	2.8	13.2	12.1	9.7	11.5	55.9	38.3	3.6
IT290545	KOR	1.83	7.49	18.6	20.5	3.4	1.3	11.8	8.4	18.0	20.1	70.4	63.3	3.3
IT290546	KOR	-	8.44	16.9	9.1	-	1.9	8.3	15.3	10.7	15.6	55.4	30.8	2.4
IT290547	KOR	4.42	3.65	21.5	12.6	0.7	5.4	10.6	5.9	11.3	14.6	49.0	39.3	2.8
IT290548	KOR	0.97	9.47	13.6	7.6	0.3	4.3	12.2	10.2	5.4	6.1	42.5	29.1	2.9
IT290549	KOR	2.33	3.08	13.6	14.4	3.1	1.6	9.1	5.0	11.1	16.4	50.2	47.1	4.2
IT290550	KOR	-	12.78	15.0	0.4	0.7	4.2	10.0	10.7	7.7	7.2	39.9	16.2	2.5
IT290551	KOR	1.75	8.61	16.9	4.5	0.8	3.1	10.0	12.7	4.8	5.8	30.7	17.0	2.3
IT290552	KOR	2.49	3.32	23.6	17.4	1.1	3.4	12.3	9.3	12.1	17.5	56.7	49.1	3.0
IT290553	KOR	5.14	2.02	22.7	14.7	1.3	1.6	7.0	4.4	6.9	10.9	58.8	53.9	2.0
IT290554	KOR	4.28	2.81	23.1	17.5	0.6	3.4	11.6	5.4	13.7	20.1	58.4	54.2	2.8
IT290555	KOR	2.11	4.97	17.8	18.7	2.2	1.3	12.1	8.8	8.7	14.2	60.3	52.5	4.2
IT290556	KOR	1.76	4.77	22.9	15.0	0.6	1.3	10.6	6.7	9.4	10.8	45.5	40.9	4.9
IT290557	KOR	2.89	1.99	21.6	13.4	-	2.0	10.1	3.7	8.5	10.1	45.3	40.6	3.6
IT290558	KOR	3.45	1.78	28.0	11.5	-	1.7	15.8	11.6	10.8	13.2	43.9	36.7	4.0
IT290559	KOR	2.57	2.93	36.6	20.3	0.2	1.9	11.2	5.0	6.4	9.7	57.7	52.2	2.9
IT290560	KOR	1.54	4.04	20.5	12.5	0.2	2.1	10.2	8.0	9.9	13.7	45.7	36.5	1.3
IT290561	KOR	-	6.68	15.2	10.7	0.8	1.7	7.3	9.4	8.2	11.3	55.5	47.8	10.5
IT290562	KOR	2.30	2.06	20.9	17.7	0.2	2.5	11.4	4.6	11.0	16.2	47.5	41.0	1.6
IT290563	KOR	2.71	3.68	15.5	16.5	3.8	1.1	11.5	4.2	6.8	13.9	39.1	49.2	11.8
IT290564	KOR	4.80	8.46	13.9	5.5	0.2	3.4	5.6	8.7	8.2	8.6	43.3	32.2	1.8
IT290565	KOR	2.11	2.08	19.0	10.4	-	1.5	15.3	10.6	8.3	9.2	34.9	30.1	1.9
IT290566	KOR	1.61	1.78	23.4	13.4	-	2.1	13.9	6.8	7.1	8.8	43.6	44.9	1.6
IT290567	KOR	4.08	2.12	30.6	16.9	0.2	3.7	11.8	6.3	12.4	20.7	60.4	53.5	2.9
IT290568	KOR	3.03	1.51	26.7	15.0	3.3	2.7	10.6	5.7	8.8	12.4	63.5	55.2	2.2
IT290569	KOR	1.10	1.88	21.2	14.0	0.2	1.4	15.2	5.4	8.1	10.9	50.4	52.0	2.4
IT290570	KOR	1.70	1.79	16.3	13.9	1.9	1.0	12.0	5.4	5.5	11.0	35.0	32.2	7.5
IT290571	KOR	1.55	2.93	21.1	12.8	0.3	2.1	11.2	5.5	5.9	8.9	44.7	35.0	3.6
IT290572	KOR	6.30	1.38	14.3	12.2	2.3	2.0	12.8	6.7	11.2	14.7	43.9	40.3	2.8
IT290573	KOR	3.01	6.15	10.5	6.6	1.5	5.6	8.2	7.5	6.5	8.1	37.6	29.0	3.3
IT290574	KOR	-	1.79	18.4	14.9	0.8	1.2	17.6	10.5	9.0	10.4	50.7	46.7	4.5
IT290575	KOR	-	8.32	15.1	8.9	-	4.7	9.0	7.0	7.0	12.2	46.3	26.7	5.8

IT290576	KOR	27.62	4.55	1.1	10.8	2.0	3.4	15.0	6.9	4.2	9.2	13.2	30.9	5.0
IT290580	KOR	1.05	4.43	18.5	12.0	0.2	1.8	9.7	7.3	6.6	8.4	43.2	37.0	1.2
IT290581	KOR	2.75	1.42	17.2	9.5	5.6	3.2	5.9	3.3	9.2	12.1	52.8	43.9	1.7
IT290582	KOR	0.62	3.14	16.8	11.8	1.6	2.0	8.2	5.8	10.1	14.9	43.6	36.3	2.1
IT290583	KOR	0.77	12.04	11.9	6.5	-	5.1	10.4	10.7	6.3	7.4	42.7	24.1	3.7
IT290584	KOR	1.05	4.68	20.5	21.1	0.3	1.4	13.6	12.0	8.2	13.5	58.1	52.0	3.9
IT290585	KOR	2.67	2.49	16.7	15.5	1.7	2.0	12.2	7.3	10.1	15.8	52.2	52.8	4.2
IT290586	KOR	6.07	4.60	19.2	17.3	1.7	0.4	11.4	7.3	11.5	15.2	54.3	47.6	6.8
IT290587	KOR	3.10	6.52	19.3	12.1	0.2	1.1	8.1	9.2	12.0	17.8	51.9	39.3	1.0
IT290588	KOR	3.53	7.09	21.3	20.5	0.7	4.4	9.4	5.8	14.1	18.2	66.2	60.6	2.1
IT290589	KOR	0.67	2.31	19.0	17.2	0.9	0.8	15.8	9.9	8.6	11.5	30.8	36.6	8.5
IT290590	KOR	2.07	1.53	17.8	14.9	0.2	3.7	12.9	7.7	12.4	15.3	46.7	43.5	1.7
IT290591	KOR	2.01	5.45	21.1	7.3	-	1.9	4.4	3.6	5.3	4.7	40.0	23.9	1.9
IT290592	KOR	3.51	6.47	25.6	20.5	3.4	2.9	12.3	8.4	13.0	24.4	76.5	71.2	4.8
IT290593	KOR	-	10.88	14.7	7.0	0.4	5.5	10.2	15.2	10.8	11.4	54.1	32.7	1.4
IT290594	KOR	2.49	2.03	29.3	18.0	0.4	2.2	12.0	7.0	11.9	16.1	73.7	56.1	2.3
IT290595	KOR	-	3.56	11.1	15.7	-	2.0	10.5	8.9	8.0	11.5	53.3	46.4	3.4
IT290596	KOR	7.10	13.86	16.4	15.1	1.6	3.4	4.8	2.0	11.1	18.8	62.0	54.1	7.3
IT290597	KOR	0.89	2.81	19.7	8.3	-	6.1	7.9	9.3	7.1	12.5	54.2	37.6	2.1
IT290598	KOR	3.66	2.30	19.9	8.0	0.7	3.0	4.0	2.3	5.8	5.5	45.5	36.0	2.4
IT290599	KOR	2.96	1.55	24.9	9.6	-	1.2	12.5	6.9	9.7	11.6	55.8	47.2	3.0
IT290600	KOR	3.73	3.62	19.3	13.9	2.6	3.0	9.3	8.7	8.3	14.5	53.3	48.4	2.1
IT290601	KOR	2.79	1.88	22.6	18.8	0.5	1.4	5.6	3.1	8.8	14.2	46.4	42.9	5.3
IT290602	KOR	-	2.13	23.8	18.8	2.1	1.3	11.1	9.9	10.8	15.5	53.2	52.9	2.1
IT290603	KOR	-	3.14	24.1	11.6	0.5	2.2	10.1	8.2	7.1	8.6	57.7	40.5	2.0
IT290604	KOR	5.07	3.11	16.1	12.1	1.1	0.8	10.5	11.0	7.3	14.1	44.8	41.4	1.9
IT290605	KOR	2.25	1.32	21.0	17.6	1.1	1.7	10.8	7.0	10.6	15.6	52.6	57.0	2.3
IT290606	KOR	0.97	2.45	14.6	16.3	0.7	0.5	11.5	8.1	7.7	13.5	52.2	51.0	1.4
IT290607	KOR	5.25	13.02	19.1	8.3	1.2	0.5	18.8	12.6	6.5	9.2	28.9	27.7	3.5
IT290608	KOR	1.73	4.48	20.4	14.0	0.3	1.7	8.3	6.5	5.7	8.3	49.0	46.1	2.1
IT290609	KOR	3.89	3.56	12.7	14.8	0.2	0.8	16.0	7.0	8.0	14.7	35.5	40.5	4.8
IT290610	KOR	-	4.28	16.3	9.3	1.0	2.0	13.6	7.3	9.2	12.2	31.9	22.9	5.8
IT290611	KOR	2.28	11.76	19.3	16.0	2.3	2.9	9.8	5.8	10.1	18.1	67.4	56.1	2.4
IT290612	KOR	8.28	5.37	15.8	10.7	3.9	1.5	12.0	9.2	9.6	15.8	45.4	55.1	5.2
IT290613	KOR	1.79	2.13	18.2	12.5	0.7	1.7	14.5	9.4	6.7	11.0	32.6	35.6	4.4
IT290614	KOR	-	12.35	8.9	2.1	-	5.6	12.1	9.3	8.1	6.4	43.0	17.1	0.9
IT290615	KOR	6.87	6.56	20.0	15.2	2.5	1.3	9.5	8.3	12.1	16.7	58.0	37.7	3.5
IT290616	KOR	1.02	7.23	24.6	23.4	-	1.8	15.2	7.4	12.2	14.4	45.3	45.8	3.4
IT290617	KOR	1.36	9.61	17.6	5.2	2.3	4.8	9.6	9.4	6.6	5.6	40.2	18.4	1.7
IT290618	KOR	3.07	7.52	16.5	22.0	2.6	1.2	13.8	8.2	8.3	14.6	49.7	53.8	4.7
IT290619	KOR	2.53	2.80	16.4	9.6	1.5	1.7	12.6	9.9	7.4	10.7	50.7	42.4	8.1
IT290620	KOR	-	5.68	13.5	18.8	-	1.3	10.3	4.9	6.8	13.4	54.8	49.2	6.0
IT290621	KOR	7.12	5.22	19.2	15.4	1.8	1.7	12.5	6.9	13.0	15.6	52.9	41.0	3.6
IT290622	KOR	2.03	1.77	22.3	13.3	0.8	2.4	11.3	7.3	8.3	9.9	49.0	36.4	3.2
IT290623	KOR	0.90	3.34	21.4	19.3	-	0.6	15.4	9.1	7.2	11.2	56.6	61.9	3.8
IT290624	KOR	5.38	3.21	16.9	14.8	1.0	2.4	7.7	5.8	9.0	17.0	38.5	34.5	5.4
IT290625	KOR	3.39	6.53	17.6	27.7	1.1	1.6	17.2	9.3	12.8	24.0	59.2	61.3	8.6
IT290626	KOR	0.93	4.89	19.5	24.9	1.0	3.3	14.0	5.9	12.2	21.5	72.6	67.5	2.3
IT290627	KOR	0.98	3.54	21.4	7.2	-	3.1	7.3	4.1	7.6	7.6	47.3	32.6	2.6
IT290628	KOR	1.25	9.26	15.7	9.0	-	1.3	15.7	11.8	13.8	10.1	41.3	24.3	4.9

IT290629	KOR	1.08	3.93	19.6	15.9	-	2.1	7.6	7.0	7.8	15.7	46.7	38.7	3.6
IT290630	KOR	2.34	9.44	12.2	2.3	1.3	2.7	9.5	8.4	7.5	4.7	31.9	15.2	1.0
IT290631	KOR	2.15	2.35	24.9	14.2	0.4	3.5	13.3	5.7	10.0	12.1	66.2	50.8	2.8
IT290632	KOR	-	4.96	20.3	10.0	0.3	1.9	10.1	8.6	5.1	7.3	35.7	37.6	7.1
IT290633	KOR	1.01	1.70	25.5	21.4	1.2	1.9	10.8	4.5	12.3	15.7	76.3	59.2	2.4
IT290634	KOR	9.97	2.20	19.7	16.2	0.9	3.6	8.7	4.9	9.4	15.1	48.5	50.2	2.3
IT290635	KOR	-	5.07	25.1	17.1	1.0	3.0	11.3	7.2	6.7	13.4	54.6	50.4	1.8
IT290636	KOR	2.32	4.04	20.6	14.9	2.2	2.4	13.5	12.2	12.5	20.0	57.2	54.1	2.1
IT290637	KOR	1.30	2.34	16.5	13.0	-	1.1	16.4	13.4	9.3	12.5	41.0	44.1	1.9
IT290638	KOR	1.86	2.00	16.1	12.9	0.3	1.3	12.0	7.4	7.7	11.5	37.0	41.6	3.0
IT290639	KOR	2.31	1.65	18.5	18.1	-	1.5	11.6	5.3	11.0	18.1	48.6	48.1	3.2
IT290640	KOR	-	5.02	13.0	9.6	0.6	1.9	14.0	13.2	7.6	9.1	29.5	28.9	5.5
IT290641	KOR	-	1.93	24.4	4.9	-	6.9	8.9	8.3	7.8	7.1	40.9	19.6	1.3
IT290642	KOR	2.48	2.77	14.2	16.3	4.4	1.8	10.0	4.4	9.6	16.1	50.0	52.9	1.8
IT290643	KOR	3.85	1.61	18.0	13.0	0.2	1.7	8.8	4.8	5.0	9.0	36.4	39.2	2.3
IT290645	KOR	1.02	3.73	21.7	17.0	-	3.6	14.9	11.0	10.6	15.2	58.1	59.5	3.9
IT290646	KOR	1.04	3.03	14.3	14.1	0.7	2.5	8.2	5.1	9.3	13.9	50.0	50.2	2.0
IT290647	KOR	2.17	5.04	16.3	22.9	-	2.0	12.1	11.1	13.0	18.9	47.4	45.2	1.8
IT290648	KOR	5.01	4.91	19.8	15.8	0.5	3.0	9.6	7.0	5.3	14.6	57.6	57.9	3.0
IT290649	KOR	-	5.15	20.4	1.3	-	21.8	8.6	3.3	5.3	3.2	46.5	16.1	3.4
IT290650	KOR	1.32	4.77	23.4	25.6	4.1	1.7	11.5	5.8	11.8	20.3	64.9	69.9	1.8
IT290651	KOR	16.39	1.40	3.3	14.0	1.4	-	7.8	7.0	5.3	14.4	26.0	39.3	3.9
IT290652	KOR	21.68	5.06	1.7	13.0	1.6	1.0	19.0	6.1	4.0	10.6	16.5	42.5	2.6
IT290653	KOR	9.37	4.89	14.9	20.4	-	2.0	12.9	6.1	9.0	14.1	32.3	45.1	3.0
IT290654	KOR	1.19	4.39	25.0	22.7	1.5	2.2	9.7	4.5	6.7	13.6	62.3	65.9	3.6
IT290655	KOR	2.08	2.05	14.4	15.8	1.6	1.4	8.7	7.6	8.0	13.4	45.7	46.6	1.8
IT290656	KOR	4.90	6.02	18.7	19.2	0.6	1.7	10.1	6.4	8.6	18.1	51.2	47.8	2.2
IT290657	KOR	0.90	4.52	16.1	19.1	-	1.3	10.7	6.1	9.6	15.5	45.3	49.4	7.0
IT290658	KOR	-	5.93	18.4	21.7	0.3	1.6	20.9	7.1	9.9	13.5	42.7	52.4	4.3
IT290659	KOR	1.45	1.63	18.2	11.4	0.9	2.1	13.3	7.4	7.8	10.1	56.1	39.3	2.5
IT290660	KOR	0.88	7.88	20.9	19.5	-	2.5	14.5	8.0	12.9	21.2	65.7	66.7	2.0
IT290661	KOR	3.26	2.49	18.6	16.3	0.8	1.4	12.8	7.2	13.1	12.2	50.8	38.2	1.7
IT290662	KOR	-	5.50	17.4	14.9	0.2	1.4	11.4	7.7	7.2	11.5	42.3	45.4	7.3
IT290663	KOR	0.73	2.39	14.9	15.3	0.3	1.1	12.8	8.1	7.9	12.3	51.7	57.3	1.1
IT290664	KOR	2.11	3.16	27.1	26.0	-	1.6	11.6	12.5	7.9	12.1	56.7	55.1	4.1
IT290665	KOR	-	2.77	22.1	16.2	0.2	2.9	12.2	8.9	8.6	12.6	50.3	49.2	2.4
IT290666	KOR	8.45	6.90	12.1	14.9	1.5	-	11.9	5.4	7.2	13.7	29.6	40.7	4.1
IT290667	KOR	2.13	6.50	23.2	18.2	-	1.3	13.7	5.4	16.4	17.9	41.0	49.8	2.8
IT290668	KOR	-	6.00	14.0	6.8	2.5	3.5	12.1	12.1	7.2	12.7	51.5	48.8	2.2
IT290669	KOR	1.62	5.90	18.8	20.4	1.4	1.5	16.0	12.6	9.9	14.7	48.3	53.3	3.5
IT290670	KOR	2.18	4.07	20.9	19.0	0.6	2.3	8.3	7.4	9.8	15.7	61.1	61.5	2.2
IT290671	KOR	0.81	1.50	15.6	14.0	0.5	1.5	9.1	6.9	7.8	10.8	52.0	63.2	6.3
IT290672	KOR	2.47	3.45	14.0	13.1	1.7	1.0	13.0	12.5	6.8	12.1	31.0	36.8	8.5
IT290673	KOR	-	3.69	25.9	16.5	-	1.7	16.2	6.6	11.6	13.9	55.8	38.5	4.3
IT290674	KOR	2.07	4.39	32.6	18.6	2.7	1.4	10.9	4.5	15.9	17.2	74.4	51.6	1.7
IT290675	KOR	0.83	2.15	18.7	19.1	1.3	2.5	12.4	7.9	10.3	14.8	42.7	48.5	1.2
IT290677	KOR	-	3.92	19.8	18.2	-	1.6	7.2	6.0	6.2	8.9	45.4	48.2	2.6
IT290678	KOR	5.30	10.45	17.7	7.5	-	2.6	7.1	15.5	6.6	9.2	40.7	29.4	2.6
IT290679	KOR	2.08	6.35	14.5	6.1	1.7	3.0	13.0	10.2	4.9	6.9	26.1	26.9	3.2
IT290680	KOR	7.30	4.61	19.5	13.1	1.7	2.6	9.2	7.9	8.4	16.4	43.6	48.3	2.9

IT290681	KOR	-	3.65	27.6	24.7	2.1	1.5	13.2	9.1	11.5	16.8	49.7	59.7	6.0
IT290682	KOR	-	3.31	19.0	18.3	0.6	2.0	12.4	7.0	8.0	14.3	60.8	67.8	1.9
IT290683	KOR	-	3.75	16.3	10.7	0.2	1.8	5.1	7.0	4.5	8.4	39.6	32.8	2.1
IT290684	KOR	1.13	2.85	18.8	23.7	0.3	3.2	9.5	6.9	9.8	16.7	68.3	74.3	3.5
IT290685	KOR	1.84	3.20	18.2	16.8	-	-	12.7	8.7	11.2	25.4	43.6	42.1	4.9
IT290686	KOR	2.31	6.19	11.5	11.3	2.3	4.8	11.1	8.5	5.2	7.2	36.6	39.3	3.1
IT290687	KOR	1.27	3.20	26.6	21.3	-	2.6	9.9	5.1	9.1	14.4	71.5	81.7	2.5
IT290688	KOR	2.91	4.31	13.6	13.6	1.4	2.2	7.9	4.9	7.3	13.3	48.0	51.9	3.7
IT290689	KOR	-	2.99	11.4	19.0	1.3	0.9	10.2	11.4	9.2	14.7	37.8	48.1	13.7
IT290690	KOR	1.13	2.85	12.8	14.5	1.1	2.1	17.6	8.4	8.6	13.5	26.6	32.6	1.3
IT290691	KOR	1.54	3.39	26.1	17.2	0.2	2.3	9.0	5.7	8.1	12.9	57.8	64.8	2.5
IT290692	KOR	2.59	3.53	25.6	20.6	0.3	1.8	10.4	6.8	11.5	20.0	63.8	69.9	1.9
IT290693	KOR	2.91	4.48	13.2	15.4	1.2	2.3	15.3	4.7	8.4	13.9	27.7	43.4	6.0
IT290694	KOR	-	4.13	22.5	21.1	2.3	2.4	13.5	10.0	10.7	15.7	59.3	67.7	2.8
IT290695	KOR	2.58	5.70	20.4	9.4	1.2	4.2	12.6	7.4	16.0	16.1	68.7	43.9	2.8
IT290696	KOR	1.28	4.80	14.7	11.7	1.8	2.4	10.7	17.2	6.3	9.0	39.8	37.1	2.6
IT290697	KOR	16.12	1.80	3.5	11.1	2.5	3.1	10.4	5.0	4.2	11.5	26.6	49.4	3.5
IT290698	KOR	0.32	3.76	16.1	18.6	0.4	3.4	8.8	5.5	10.6	16.9	55.1	57.8	1.5
IT290699	KOR	1.13	3.29	13.7	14.3	0.5	4.8	8.4	6.7	7.6	15.4	49.4	46.4	1.3
IT290700	KOR	0.89	2.27	16.0	16.5	2.2	0.8	12.1	10.9	10.4	17.5	57.0	68.9	3.4
IT290701	KOR	2.81	4.82	18.6	10.3	2.8	1.7	11.8	5.9	10.0	12.1	70.7	48.6	2.5
IT290702	KOR	-	7.06	20.2	22.7	1.9	1.5	13.0	9.0	9.5	15.9	42.3	52.9	9.2
IT290703	KOR	5.68	3.50	27.4	13.0	1.6	2.7	12.6	7.0	9.6	11.3	60.8	41.8	3.9
IT290704	KOR	-	1.43	11.3	11.8	0.7	0.9	9.8	6.7	4.3	8.1	34.5	40.4	2.6
IT290705	KOR	1.45	11.33	10.6	11.5	-	1.6	7.8	9.5	7.3	10.9	42.2	35.2	4.1
IT290706	KOR	2.34	17.50	16.7	3.2	0.3	8.1	7.0	7.5	5.0	4.7	41.8	26.6	2.2
IT290707	KOR	2.48	3.31	20.0	17.3	0.9	1.1	10.9	6.8	7.8	15.4	42.5	50.3	4.3
IT290708	KOR	5.27	6.31	17.3	22.4	4.5	0.0	10.6	6.6	9.8	16.5	50.5	66.2	2.9
IT290709	KOR	2.09	5.40	18.9	17.0	0.3	2.2	10.6	4.5	13.5	25.6	63.6	72.1	3.4
IT290710	KOR	1.17	6.23	7.0	10.9	2.0	2.8	5.8	9.6	7.7	11.5	35.3	29.5	2.6
IT290711	KOR	3.05	3.39	20.8	15.6	2.9	0.0	14.0	9.9	11.2	18.9	57.1	73.2	2.4
IT290712	KOR	6.36	2.29	21.3	14.6	3.0	2.5	5.3	3.0	15.8	16.6	75.0	51.1	3.0
IT290713	KOR	-	1.83	23.7	11.7	-	1.4	16.4	15.2	9.3	9.4	60.0	36.5	3.7
IT290714	KOR	1.81	4.90	17.7	20.2	-	1.9	11.5	8.2	10.7	12.7	47.3	54.7	1.7
IT290715	KOR	0.75	19.13	22.9	12.1	0.8	1.8	8.6	3.3	4.7	8.5	38.1	34.6	6.0
IT290716	KOR	3.76	8.43	15.2	18.1	1.7	2.4	12.7	6.8	12.0	19.3	50.7	60.4	3.3
IT290717	KOR	2.06	5.86	13.6	19.5	1.4	2.1	12.0	7.6	8.8	17.5	62.6	70.3	3.9
IT290718	KOR	1.20	3.25	19.8	13.4	3.6	3.8	10.4	12.9	5.6	13.7	41.0	39.3	2.1
IT290719	KOR	2.06	1.83	11.0	15.2	-	3.2	8.7	5.7	8.6	14.1	46.2	51.2	1.9
IT290720	KOR	-	11.43	17.8	17.7	1.2	0.7	17.1	7.4	8.8	16.2	35.3	39.9	3.3
IT290721	KOR	4.48	2.41	21.6	21.0	0.3	2.0	11.5	5.1	12.3	22.1	58.4	74.5	2.8
IT290722	KOR	2.25	5.06	22.7	20.5	1.4	2.5	10.2	8.3	9.1	17.4	45.0	53.0	5.4
IT290723	KOR	1.23	3.87	14.7	15.4	1.4	0.8	10.6	10.0	11.9	19.4	35.7	37.1	1.1
IT290724	KOR	-	6.71	16.7	2.1	0.2	1.6	9.2	7.2	4.9	3.2	41.0	18.7	1.5
IT290726	KOR	-	10.12	10.8	13.9	1.0	2.0	10.4	10.5	10.6	17.9	45.8	44.5	6.4
IT290727	KOR	-	1.63	16.9	12.9	0.9	-	8.8	4.9	3.5	6.8	32.6	37.7	1.1
IT290728	KOR	-	4.89	18.4	16.4	2.9	2.5	9.4	8.4	5.9	12.5	47.2	48.0	1.9
IT290729	KOR	1.49	1.77	19.9	9.7	0.6	1.9	15.2	9.5	9.2	9.0	38.4	23.6	3.6
IT290730	KOR	7.47	6.30	13.3	13.0	-	2.6	8.1	7.8	7.5	13.9	36.9	42.4	2.9
IT290731	KOR	2.40	4.52	15.7	20.0	1.8	1.5	10.2	12.6	7.6	13.4	40.4	42.8	1.5

IT290732	KOR	1.91	2.64	23.1	20.0	0.9	2.6	11.5	9.2	11.5	21.3	69.3	84.3	1.9
IT290733	KOR	-	3.18	16.7	12.0	-	2.8	8.4	2.9	4.4	10.9	33.3	35.8	2.5
IT290734	KOR	1.68	1.39	21.5	5.4	0.2	2.1	12.0	9.4	7.3	8.1	47.3	24.6	2.0
IT290735	KOR	1.49	6.88	19.4	8.9	0.4	4.7	7.9	6.5	5.8	9.9	32.6	31.3	2.9
IT290736	KOR	2.72	2.95	19.9	14.3	2.2	1.9	7.6	5.1	3.9	9.9	29.6	34.8	2.8
IT290737	KOR	4.81	4.68	29.3	14.9	1.8	2.3	11.7	8.2	13.5	14.7	75.0	46.6	5.6
IT290738	KOR	1.08	2.75	21.9	22.7	0.4	1.8	10.1	6.9	9.8	14.0	54.6	65.9	3.7
IT290740	KOR	1.35	3.91	18.2	22.2	0.5	1.3	9.0	5.4	9.9	15.5	51.5	60.3	2.9
IT290741	KOR	1.44	6.97	20.8	15.5	-	2.5	7.2	5.8	5.5	13.5	44.2	42.8	2.8
IT290742	KOR	2.51	2.22	27.7	20.4	1.5	1.6	11.0	6.6	11.3	21.6	66.5	82.7	3.0
IT290743	KOR	1.00	1.26	15.2	16.3	1.1	1.9	10.2	8.1	6.0	10.2	50.3	61.3	2.1
IT290744	KOR	1.18	3.48	15.9	12.7	0.5	1.2	9.6	6.4	12.1	15.9	40.6	50.6	1.6
IT290745	KOR	1.39	3.89	32.0	24.5	-	3.6	5.8	2.5	9.9	18.2	75.6	91.1	3.8
IT290746	KOR	0.56	2.45	16.2	14.6	-	1.7	8.6	5.9	7.7	13.1	47.7	57.2	3.6
IT290747	KOR	2.16	4.84	16.8	14.0	0.9	1.8	8.3	5.9	4.3	8.3	31.5	35.7	2.0
IT290748	KOR	1.42	4.40	19.9	19.0	0.3	2.7	9.0	6.5	6.7	15.7	52.3	55.4	1.3
IT290749	KOR	2.22	2.75	29.4	22.3	0.4	2.8	10.5	7.0	8.5	16.9	58.0	66.1	1.6
IT290750	KOR	1.87	4.94	15.7	15.5	1.2	1.6	13.8	7.5	7.5	13.7	33.3	40.8	2.3
IT290751	KOR	3.47	3.49	30.0	23.4	0.5	2.7	11.5	6.3	13.4	27.5	66.5	81.9	3.5
IT290752	KOR	6.62	1.61	24.1	17.3	0.7	4.6	9.1	7.5	10.2	19.8	55.8	72.0	2.6
IT290753	KOR	2.90	2.17	13.9	14.0	2.7	1.5	14.0	10.4	7.2	13.2	36.8	49.9	1.2
IT290754	KOR	1.87	2.67	14.5	13.8	0.8	1.0	8.7	7.7	5.1	9.4	36.5	46.8	4.1
IT290755	KOR	1.71	7.56	19.8	23.0	0.8	1.5	10.0	6.4	10.2	15.9	53.7	67.8	5.4
IT290756	KOR	-	3.17	16.5	10.8	1.5	2.3	7.8	13.1	4.5	8.3	35.2	32.3	1.7
IT290757	KOR	1.74	6.02	17.2	14.5	0.2	1.6	6.1	3.5	6.8	11.4	52.7	61.1	1.4
IT290758	KOR	7.72	2.87	14.9	17.4	1.3	3.5	4.3	3.1	6.7	15.0	57.6	71.4	1.6
IT290759	KOR	1.80	1.50	23.3	8.6	0.3	3.9	15.1	5.6	6.6	6.9	44.7	27.7	2.5
IT290760	KOR	1.68	3.78	15.9	15.3	-	2.4	10.0	8.0	5.6	10.9	36.8	44.3	4.4
IT290761	KOR	0.73	9.18	16.9	7.0	0.2	5.2	7.3	12.1	5.0	8.4	38.0	30.8	3.1
IT290762	KOR	1.31	3.96	18.3	14.0	1.8	2.1	11.1	11.3	9.9	14.0	23.1	32.8	6.9
IT290763	KOR	1.30	1.46	21.6	10.6	3.3	2.0	8.0	3.3	8.1	8.7	47.7	30.6	5.1
IT290764	KOR	1.23	2.58	28.9	22.0	1.2	1.4	9.0	6.3	7.6	16.0	53.7	64.8	2.9
IT290765	KOR	2.82	3.82	15.4	16.5	0.9	1.9	6.2	4.1	12.9	22.1	69.5	86.5	1.3
IT290766	KOR	2.60	2.18	27.0	8.0	1.5	3.5	8.6	9.9	8.8	8.1	72.9	41.0	2.1
IT290767	KOR	-	2.17	16.0	12.6	1.3	2.9	12.0	10.3	6.2	15.0	34.5	38.5	1.6
IT290768	KOR	2.73	3.60	14.2	15.1	2.1	1.8	12.1	9.1	13.0	23.8	47.7	61.2	1.9
IT290769	KOR	5.14	2.22	23.6	19.5	3.2	3.3	11.7	12.0	14.6	27.6	61.5	76.5	1.9
IT290770	KOR	1.68	6.23	15.6	17.4	0.7	1.9	13.4	12.1	10.0	17.7	41.8	49.4	3.0
IT290771	KOR	1.94	2.90	16.4	13.4	2.6	2.1	10.2	9.2	6.9	14.7	44.9	57.5	3.8
IT290772	KOR	2.37	2.77	25.2	23.5	-	3.8	9.6	4.9	10.6	18.9	70.6	91.3	2.5
IT290773	KOR	4.66	3.90	15.3	16.8	2.0	0.9	9.4	8.7	11.5	21.7	45.6	65.4	8.3
IT290774	KOR	1.50	3.44	16.4	16.2	-	1.0	8.7	8.1	10.0	16.1	39.8	47.4	2.4
IT290775	KOR	0.88	1.60	12.8	14.9	-	1.2	8.0	5.5	3.9	8.1	30.5	38.3	3.1
IT290776	KOR	0.74	4.74	14.7	10.5	-	2.3	8.7	7.3	6.0	14.0	35.3	36.7	3.2
IT290777	KOR	1.18	6.11	12.4	24.0	0.9	1.4	12.4	5.5	7.6	15.8	43.9	54.2	2.5
IT290778	KOR	0.66	3.05	27.3	24.6	0.4	2.6	8.2	3.5	6.8	13.6	52.4	59.9	3.1
IT290779	KOR	1.75	4.18	26.8	22.9	0.3	3.7	14.3	7.1	7.7	15.2	46.9	56.9	2.6
IT290780	KOR	0.95	2.07	14.4	15.4	-	2.5	8.4	7.9	7.4	12.5	47.0	58.5	1.1
IT290781	KOR	4.01	7.46	18.4	19.0	1.5	2.2	9.3	7.1	7.6	17.3	49.2	55.5	3.3
IT290782	KOR	0.85	2.00	14.2	15.9	1.7	3.9	8.2	7.4	7.4	12.9	44.4	52.0	0.7

IT290783	KOR	1.91	4.43	16.9	17.9	-	1.9	11.5	6.7	9.9	18.6	49.7	64.1	2.8
IT290784	KOR	2.50	3.07	8.0	20.3	0.9	2.0	10.0	6.5	6.9	17.2	45.0	54.4	2.3
IT290785	KOR	1.33	12.78	14.5	7.5	3.0	5.2	9.8	16.8	5.4	7.2	36.7	29.3	1.9
IT290786	KOR	2.51	1.84	21.8	12.5	1.7	1.0	13.0	5.0	9.1	10.4	65.2	42.3	2.0
IT290787	KOR	0.68	2.89	13.6	18.3	0.3	3.8	7.7	5.2	7.2	12.0	53.5	59.7	1.2
IT290788	KOR	0.49	5.78	16.0	17.3	-	0.9	10.4	6.2	5.8	12.9	39.0	46.9	3.2
IT290789	KOR	1.73	2.94	11.1	14.9	0.3	1.6	16.7	13.8	10.3	19.1	32.9	44.2	2.9
IT290790	KOR	-	7.77	16.3	19.8	4.3	2.4	10.4	13.6	7.8	20.3	53.0	52.6	2.8
IT290791	KOR	1.11	2.82	13.2	17.2	0.9	1.6	6.3	4.7	3.7	9.8	36.2	38.6	2.7
IT290792	KOR	-	4.67	11.5	12.5	-	5.8	9.5	8.4	5.6	11.4	44.6	48.9	2.8
IT290793	KOR	1.55	2.44	21.9	17.6	2.6	2.2	11.4	6.7	6.8	15.3	35.7	51.0	5.4
IT290794	KOR	3.11	3.61	18.6	17.4	1.5	1.1	5.3	7.0	6.8	17.3	61.4	74.7	2.4
IT290795	KOR	2.54	6.02	16.2	19.6	0.9	6.2	10.1	5.4	11.5	23.5	55.6	72.5	9.2
IT290796	KOR	1.37	4.54	19.4	17.4	0.7	3.6	14.1	11.3	12.3	20.0	46.3	59.1	2.4
IT290797	KOR	2.19	14.90	19.0	9.5	-	6.7	6.7	7.9	5.8	12.8	43.2	35.6	2.8
IT290798	KOR	1.84	6.27	19.9	21.4	0.2	1.0	13.2	8.7	7.7	17.5	44.8	57.1	3.0
IT290799	KOR	-	3.73	17.3	14.8	1.3	2.4	9.8	9.3	5.5	17.5	47.3	52.6	3.8
IT290800	KOR	5.88	11.96	15.9	14.5	1.0	3.6	15.1	14.1	5.7	13.1	32.6	39.3	5.0
IT290801	KOR	1.07	3.29	14.6	19.4	1.8	1.1	8.8	8.2	8.8	20.0	51.2	60.9	1.6
IT290802	KOR	2.35	5.09	23.5	14.7	0.4	1.2	9.1	3.9	12.2	15.6	95.9	52.4	3.6
IT290803	KOR	-	11.87	19.0	2.8	0.7	8.4	10.8	10.8	7.0	4.6	48.6	11.5	9.4
IT290804	KOR	1.04	1.76	15.6	14.2	1.8	1.9	8.0	8.1	6.3	13.9	31.4	51.7	12.4
IT290805	KOR	2.07	3.49	16.5	24.3	-	2.5	8.5	2.6	9.1	18.1	56.8	68.2	2.7
IT290807	KOR	2.17	1.45	13.9	16.5	-	1.5	10.4	5.9	5.6	11.0	31.3	43.1	2.5
IT290808	KOR	2.31	4.16	13.9	16.6	0.9	1.2	9.9	8.4	8.5	15.6	40.5	54.9	2.0
IT290809	KOR	-	8.46	12.6	20.6	0.2	3.8	9.5	8.9	9.4	16.6	57.5	63.8	1.6
IT290810	KOR	-	4.52	26.2	23.9	-	2.5	15.4	12.0	9.7	16.6	52.7	67.4	2.0
IT290811	KOR	5.40	7.59	20.0	2.8	0.2	11.7	13.2	6.9	10.5	5.9	56.8	24.3	4.2
IT290812	KOR	-	7.08	13.7	11.3	1.3	2.2	13.7	14.8	5.4	12.5	26.8	31.7	6.8
IT290813	KOR	2.25	1.79	21.2	18.8	2.4	2.8	10.2	7.0	10.2	22.2	47.6	59.4	1.5
IT290814	KOR	-	4.47	22.9	21.7	4.0	2.3	7.0	4.2	5.4	15.3	49.7	64.0	3.0
IT290815	KOR	1.78	4.29	19.8	21.2	0.7	1.6	10.8	14.3	8.0	16.6	41.1	51.9	5.8
IT290816	KOR	4.09	5.12	17.0	22.1	0.8	0.3	6.6	5.9	5.0	12.3	38.8	49.6	3.1
IT290817	KOR	1.60	1.72	15.0	12.5	0.2	1.6	8.0	9.5	4.0	7.9	34.3	43.1	2.2
IT290818	KOR	5.68	1.59	24.5	9.7	4.3	1.7	9.6	7.9	12.3	12.0	53.3	29.2	1.5
IT290819	KOR	-	2.39	21.1	18.0	0.7	1.8	11.6	7.9	6.1	11.3	36.8	47.0	2.2
IT290820	KOR	4.00	7.33	21.6	23.8	1.8	9.8	7.2	7.3	9.3	20.9	59.4	65.5	3.1
IT290821	KOR	1.20	6.60	18.6	20.3	-	1.7	10.7	10.4	7.5	16.5	50.1	59.5	3.0
IT290822	KOR	-	4.67	20.9	16.9	0.9	2.2	9.8	4.6	6.1	10.5	43.5	56.1	1.3
IT290823	KOR	1.85	7.15	13.0	15.6	0.3	3.0	12.3	5.0	10.1	17.3	32.7	46.0	3.2
IT290824	KOR	2.52	1.46	19.9	6.0	-	1.6	20.3	12.6	8.1	5.7	30.5	15.7	3.2
IT290825	KOR	0.94	2.74	15.6	15.8	0.2	2.0	12.6	15.4	7.5	14.3	33.6	39.5	2.3
IT290826	KOR	1.88	6.71	17.1	15.5	2.4	1.1	8.3	10.0	9.7	22.4	44.1	48.3	1.3
IT290827	KOR	2.42	4.75	21.2	21.7	2.3	2.2	8.1	7.0	7.5	18.9	48.1	70.7	9.9
IT290828	KOR	4.01	4.65	21.8	18.2	2.1	1.2	8.2	8.4	6.5	17.2	52.1	69.1	2.9
IT290829	KOR	-	11.89	11.5	13.1	1.3	5.6	11.7	14.1	7.0	9.4	42.8	41.5	1.9
IT290830	KOR	1.17	1.79	29.6	14.7	-	1.6	5.8	6.6	6.7	16.0	48.2	57.6	2.4
IT290832	KOR	1.24	6.68	15.2	17.4	0.5	2.7	11.2	9.1	5.6	14.4	37.1	42.7	2.0
IT290833	KOR	-	12.12	15.2	7.5	1.5	5.2	6.4	8.4	6.1	12.2	40.3	35.9	1.4
IT290834	KOR	1.33	5.10	12.7	13.1	1.4	2.1	7.4	5.9	9.2	16.8	36.8	45.8	2.9

IT290835	KOR	0.77	3.90	21.4	21.7	0.5	3.4	9.3	5.1	7.1	16.3	57.7	73.3	1.5
IT290836	KOR	1.23	3.56	17.1	16.5	1.0	3.4	11.4	13.3	10.7	22.3	43.7	55.1	2.1
IT290837	KOR	-	4.38	19.8	23.8	3.4	1.2	12.5	14.9	8.8	19.3	47.3	58.6	1.7
IT290838	KOR	1.98	4.04	16.4	22.3	0.3	2.0	8.4	4.4	9.7	20.6	49.3	59.1	1.6
IT290840	KOR	1.18	2.20	17.3	15.6	1.3	2.3	13.4	6.3	5.5	13.7	35.2	52.5	2.1
IT290841	KOR	2.13	8.01	13.4	12.2	2.0	3.4	9.2	6.2	8.3	18.7	48.2	63.0	1.0
IT290842	KOR	1.83	3.57	15.8	23.3	0.6	0.9	9.1	7.2	7.9	20.1	52.0	69.0	3.1
IT290843	KOR	-	3.14	16.2	19.7	0.4	0.8	10.9	10.3	7.5	17.0	33.9	49.0	7.4
IT290844	KOR	2.34	3.53	14.6	18.5	2.0	1.2	9.3	8.0	6.8	13.4	40.6	58.2	2.2
IT290845	KOR	1.33	5.81	17.6	17.3	0.3	2.2	7.8	9.0	9.1	19.8	58.1	73.4	1.3
IT290846	KOR	1.77	3.32	16.6	14.6	0.7	2.9	3.4	5.5	4.7	10.6	32.1	40.1	2.7
IT290847	KOR	1.85	3.34	12.9	20.2	2.3	3.3	7.1	4.8	10.0	18.9	54.6	76.3	1.9
IT290848	KOR	1.45	3.03	15.4	13.6	0.3	1.1	10.7	9.8	5.8	10.8	36.8	54.2	3.0
IT290849	KOR	2.03	3.44	16.9	13.4	2.4	3.4	6.5	7.5	5.7	19.2	41.3	42.7	1.0
IT290850	KOR	2.06	10.65	19.5	4.6	0.2	6.7	7.1	6.1	4.6	8.7	31.1	31.2	2.2
IT290851	KOR	1.49	4.83	16.4	19.7	-	2.9	7.8	6.1	10.2	26.6	51.1	60.0	2.6
IT290852	KOR	0.91	1.71	21.1	13.2	-	2.1	10.8	8.1	6.5	14.7	42.3	59.9	1.9
IT290853	KOR	3.20	4.21	17.3	19.0	1.5	1.6	7.2	7.0	5.6	14.8	43.5	60.7	3.2
IT290854	KOR	3.59	10.14	15.7	16.3	0.5	1.7	5.8	9.0	5.1	9.2	35.3	41.1	2.0
IT290857	KOR	5.06	8.55	15.6	21.6	1.3	-	17.1	20.3	5.8	13.3	26.5	48.6	8.4
IT290858	KOR	-	6.72	17.8	2.6	1.1	5.6	11.9	7.8	8.5	6.3	39.4	14.9	11.6
IT290859	KOR	0.59	7.71	20.3	4.2	1.4	2.0	11.1	6.5	8.4	7.1	60.3	26.4	5.6
IT290860	KOR	3.01	7.95	19.2	22.4	1.7	3.4	17.3	9.4	8.5	20.1	35.4	52.8	2.4
IT290861	KOR	-	3.34	17.0	22.3	-	2.4	9.4	6.0	7.1	18.6	45.3	54.7	2.5
IT290862	KOR	-	3.24	19.0	17.3	0.5	2.1	7.1	4.5	3.5	13.0	36.1	42.7	1.9
IT290863	KOR	1.70	3.45	16.2	22.1	1.7	1.8	7.1	6.8	7.9	17.4	42.2	52.7	1.7
IT290864	KOR	1.25	3.23	18.3	22.0	3.1	2.6	7.8	2.7	6.4	25.6	55.5	73.9	3.9
IT290865	KOR	1.60	3.69	13.5	18.7	2.7	2.3	12.5	8.1	7.7	19.3	32.5	50.4	1.3
IT290866	KOR	2.92	3.94	17.4	20.2	0.3	1.5	5.1	4.2	6.2	15.8	43.0	54.5	2.4
IT290867	KOR	1.28	4.88	11.0	15.7	0.4	2.2	8.1	5.0	8.9	17.3	31.3	45.3	4.2
IT290868	KOR	1.86	10.32	18.6	24.5	1.1	1.6	7.8	5.2	10.5	22.2	49.0	59.9	1.1
IT290869	KOR	-	2.38	20.5	19.6	0.4	1.8	8.2	4.6	6.5	16.1	46.3	70.2	5.2
IT290870	KOR	1.88	3.90	13.5	13.9	0.4	1.8	7.6	8.4	5.5	12.8	32.4	42.9	3.0
IT290871	KOR	-	4.80	9.5	13.7	-	2.2	7.1	9.4	6.3	14.0	36.0	38.6	1.5
IT290872	KOR	3.92	1.29	22.9	3.4	-	3.1	15.7	10.3	9.7	6.9	40.3	18.7	3.9
IT290873	KOR	-	4.75	23.2	17.2	0.6	4.9	10.0	7.0	4.7	12.0	44.6	56.7	2.4
IT290874	KOR	1.17	2.33	17.1	20.6	2.9	1.2	11.9	10.0	8.3	12.6	41.9	72.9	2.4
IT290875	KOR	2.88	8.10	22.6	24.7	3.7	2.0	12.7	9.4	9.8	26.6	57.7	79.4	2.9
IT290876	KOR	-	9.04	16.9	14.0	-	2.3	7.5	8.2	6.2	18.9	43.9	45.1	4.0
IT290877	KOR	-	3.83	19.3	17.7	0.2	1.6	12.3	5.4	7.0	15.7	35.8	51.2	2.2
IT290878	KOR	2.46	3.14	34.9	13.9	0.5	2.6	14.7	9.3	17.3	16.5	73.5	35.9	8.4
IT290879	KOR	-	2.72	20.6	18.2	0.6	2.6	10.5	7.7	6.4	13.3	37.7	54.0	3.0
IT290880	KOR	25.13	6.46	10.1	5.6	3.8	4.8	26.6	5.8	8.0	8.0	18.2	22.4	4.0
IT290881	KOR	-	3.99	12.4	16.4	0.4	1.2	6.1	7.9	4.7	12.7	39.4	49.7	3.3
IT290882	KOR	1.48	4.88	14.6	17.5	0.4	2.5	7.8	6.9	7.0	16.1	47.9	61.2	1.0
IT290883	KOR	2.41	7.85	14.9	19.4	-	1.9	6.5	4.8	5.7	14.6	49.9	64.8	1.9
IT290884	KOR	3.25	4.17	18.9	15.4	0.4	0.9	8.2	9.0	4.1	12.9	31.0	44.4	3.6
IT290885	KOR	2.44	3.61	11.4	19.1	0.6	2.5	11.7	14.4	7.9	20.4	47.5	63.1	3.7
IT290886	KOR	5.96	3.49	11.1	15.9	0.2	2.1	14.1	9.4	4.7	14.0	20.8	36.4	1.9
IT290887	KOR	1.65	3.66	15.1	15.7	-	2.0	14.9	11.9	9.2	24.2	37.2	55.3	5.0

IT290888	KOR	0.76	1.86	16.3	16.0	3.1	3.0	7.2	10.4	7.4	18.7	51.1	69.5	1.2
IT290890	KOR	0.90	1.19	15.2	20.0	0.4	1.3	9.5	10.4	6.7	14.1	36.5	54.4	2.6
IT290891	KOR	20.53	9.22	6.7	19.7	1.3	2.1	15.3	10.5	3.6	15.6	23.7	56.0	3.1
IT290892	KOR	4.14	5.01	18.1	19.0	1.9	1.5	11.9	9.2	10.2	22.2	39.9	65.5	2.3
IT290893	KOR	0.98	6.87	18.5	15.3	0.2	3.4	7.0	8.0	6.2	13.1	43.9	55.5	1.9
IT290894	KOR	-	7.06	6.5	12.2	1.2	1.7	8.0	5.7	3.9	10.0	27.5	34.0	3.6
IT290895	KOR	3.31	2.67	13.4	15.0	0.4	6.1	10.5	9.2	10.6	20.9	41.6	65.0	2.8
IT290896	KOR	1.38	2.22	10.8	7.2	2.0	1.9	6.5	5.9	3.4	8.8	17.1	27.3	3.5
IT290897	KOR	1.10	2.81	20.0	20.8	1.0	1.5	7.7	6.5	7.9	22.0	59.4	83.8	1.5
IT290898	KOR	2.20	5.10	12.6	16.8	2.0	1.8	7.3	8.5	5.3	14.1	40.2	53.2	1.9
IT290899	KOR	-	2.40	19.3	22.5	0.4	2.6	10.7	7.9	6.5	15.1	51.3	76.4	2.3
IT290900	KOR	1.35	3.80	14.8	20.2	0.6	1.5	8.8	6.0	9.8	21.4	35.3	49.2	2.0
IT290901	KOR	1.66	8.36	17.6	17.9	-	0.9	12.8	8.6	8.3	19.2	42.0	68.4	4.3
IT290902	KOR	-	8.28	17.1	18.2	-	3.2	11.7	18.1	7.0	15.5	36.6	41.0	3.6
IT290903	KOR	-	6.69	18.9	13.4	-	4.0	11.3	9.0	6.5	18.8	38.5	46.5	1.6
IT290904	KOR	0.70	1.35	14.7	13.8	0.5	1.5	9.4	8.7	4.1	9.4	32.4	50.9	1.9
IT290905	KOR	-	4.56	15.8	15.2	-	1.9	6.8	5.6	5.3	11.6	36.7	49.8	1.4
IT290906	KOR	2.07	5.60	18.2	25.7	2.3	2.1	8.0	6.7	12.1	34.4	56.8	78.3	3.0
IT290907	KOR	3.38	4.99	15.3	16.6	2.3	2.4	5.8	7.9	6.0	16.0	43.7	63.8	1.5
IT290908	KOR	3.15	18.96	24.4	22.3	-	2.8	8.9	7.3	9.6	20.2	56.7	79.5	3.3
IT290909	KOR	-	5.32	20.8	23.2	2.6	2.0	9.3	6.4	5.7	22.3	49.0	68.4	2.5
IT290910	KOR	-	4.26	21.6	20.0	1.5	3.0	9.4	9.5	5.0	13.3	38.2	55.3	2.2
IT290911	KOR	-	5.22	18.1	18.5	-	1.8	12.0	11.0	4.2	12.8	31.4	45.3	2.7
IT290912	KOR	-	12.70	15.5	9.4	0.7	3.7	8.8	22.9	5.0	6.2	33.7	31.7	1.8
IT290913	KOR	0.87	2.83	13.2	13.4	1.6	2.3	8.7	10.0	6.6	15.8	30.2	44.3	1.2
IT290914	KOR	2.25	5.17	14.3	23.0	1.6	3.1	7.2	7.6	7.2	14.0	50.7	78.2	1.1
IT290915	KOR	2.18	5.59	17.0	15.2	1.6	2.6	7.1	8.8	5.8	17.7	40.4	54.7	1.4
IT290916	KOR	1.79	4.32	19.5	18.9	2.4	2.9	6.9	9.2	5.6	16.8	47.2	71.0	3.0
IT290917	KOR	1.86	4.62	15.9	23.4	0.4	2.9	6.5	8.6	7.2	18.6	43.6	58.2	0.9
IT290918	KOR	-	5.18	10.5	18.3	0.3	3.8	6.4	5.1	4.8	13.5	39.2	50.6	1.4
IT290919	KOR	-	7.36	12.4	19.8	-	1.0	9.7	5.5	6.3	20.2	38.4	52.2	2.8
IT290920	KOR	1.96	3.32	16.0	20.9	1.0	2.3	7.0	10.7	6.3	15.9	39.9	61.8	2.9
IT290921	KOR	2.99	8.13	22.5	22.1	2.3	1.9	8.1	8.1	5.8	14.7	39.4	60.6	3.1
IT290922	KOR	-	3.82	22.7	21.6	0.7	4.1	9.3	5.1	7.0	19.1	56.0	86.2	0.7
IT290923	KOR	-	4.34	13.6	19.7	0.6	1.7	12.8	7.9	5.9	12.1	29.8	49.2	0.8
IT290924	KOR	2.01	1.71	20.1	5.1	-	1.5	21.4	10.2	8.4	5.2	39.0	17.9	2.9
IT290925	KOR	1.61	5.86	13.5	24.6	1.4	5.8	10.0	4.8	9.0	23.7	48.5	71.9	2.9
IT290926	KOR	-	1.80	14.0	17.2	0.2	1.2	10.5	9.8	5.1	12.9	35.6	58.4	2.3
IT290927	KOR	-	3.68	19.4	22.4	3.8	3.4	11.1	6.0	7.2	30.3	46.7	68.6	2.2
IT290928	KOR	1.49	4.87	20.5	15.5	3.6	4.5	6.7	7.8	5.4	20.7	42.1	59.0	1.8
IT290929	KOR	-	5.35	16.5	23.7	0.2	0.0	11.1	11.5	5.9	16.5	37.6	59.6	4.3
IT290930	KOR	1.43	8.63	18.6	16.9	-	2.3	6.7	5.7	6.0	16.3	47.1	64.6	1.7
IT290931	KOR	1.83	7.57	12.2	20.9	0.3	1.2	7.3	11.1	5.9	18.4	37.7	49.7	2.5
IT290932	KOR	3.30	5.37	16.8	21.4	0.2	1.6	7.4	6.2	5.5	15.2	43.6	68.0	1.0
IT290933	KOR	-	2.80	11.2	17.7	0.7	1.4	9.5	10.7	4.4	11.9	33.8	49.9	1.6
IT290934	KOR	0.64	7.73	14.1	15.9	1.3	1.6	10.1	9.5	7.5	18.0	36.3	54.4	1.9
IT290935	KOR	-	3.66	13.7	21.6	-	1.4	9.2	11.4	6.8	21.3	41.9	55.6	2.2
IT290936	KOR	-	7.61	18.0	23.8	0.8	2.3	11.7	11.9	5.8	23.2	38.8	53.4	3.7
IT290937	KOR	1.03	4.24	11.9	14.6	0.9	2.4	8.1	8.9	4.9	15.4	29.6	42.7	1.9
IT290938	KOR	1.27	3.22	15.9	17.2	0.2	2.0	7.9	6.4	8.1	20.3	39.3	61.6	1.9

IT290939	KOR	1.06	7.30	11.9	19.4	0.9	1.4	9.6	9.8	9.9	23.9	36.5	58.2	5.0
IT290940	KOR	4.43	3.89	4.9	16.9	0.6	1.6	10.3	10.3	4.6	13.1	29.9	56.0	3.4
IT290941	KOR	2.36	7.19	9.5	22.4	1.4	1.3	13.2	7.0	9.1	24.8	33.6	57.3	1.2
IT290942	KOR	1.29	5.25	15.6	19.9	0.9	2.1	7.5	11.3	5.5	21.0	42.9	57.4	1.7
IT290943	KOR	1.61	4.66	21.6	28.4	0.9	1.7	9.8	6.3	4.9	16.0	44.9	70.9	3.4
IT290944	KOR	2.60	3.11	19.6	18.1	0.6	2.2	6.5	9.7	5.7	17.1	37.5	59.1	3.2
IT290946	KOR	-	3.36	15.7	17.3	-	3.2	9.6	8.8	5.4	15.6	33.9	50.4	2.2
IT290948	KOR	-	2.76	12.5	17.3	0.6	3.1	6.2	2.9	5.7	15.2	40.9	62.9	2.8
IT290949	KOR	-	6.41	12.7	7.0	1.7	5.2	6.1	12.7	3.3	8.8	27.2	28.7	1.4
IT290951	KOR	0.51	2.79	14.3	13.0	0.8	1.8	6.1	8.9	3.3	9.1	30.1	46.3	2.1
IT290952	KOR	3.81	3.20	4.6	17.0	1.7	1.4	10.8	6.2	5.0	13.0	33.3	69.9	1.4
IT290953	KOR	1.10	5.26	18.7	17.6	-	1.3	7.5	9.9	6.2	18.0	34.0	48.9	3.0
IT290954	JPN	-	5.41	16.7	15.8	-	2.6	8.1	14.4	3.2	10.3	28.0	33.3	3.6
IT290955	JPN	1.73	3.19	16.0	3.8	-	2.4	13.7	7.8	12.7	5.5	59.9	25.1	1.7
IT290956	JPN	0.81	3.23	17.9	20.2	0.4	0.5	10.0	10.7	7.1	15.5	37.8	66.2	1.9
IT290957	JPN	0.66	3.05	18.4	20.1	-	-	6.2	6.0	5.6	18.2	46.2	74.6	2.3
IT290958	JPN	4.59	8.70	3.3	11.5	2.0	2.9	11.6	17.9	2.5	12.1	24.0	35.2	1.7
IT290959	JPN	1.82	3.23	15.6	17.7	-	0.7	8.0	9.5	6.2	16.9	42.8	72.4	1.6
IT290960	JPN	-	4.03	16.6	15.0	-	2.3	12.7	13.4	4.5	11.8	30.7	52.5	2.0
IT290961	JPN	2.81	5.45	11.9	13.3	2.0	1.6	11.6	12.3	10.7	29.1	37.1	64.0	1.8
IT290962	JPN	-	4.47	13.6	18.7	1.2	3.5	10.0	9.7	5.5	18.6	39.9	62.0	1.5
IT290963	JPN	1.68	5.55	14.6	16.0	-	0.7	8.0	8.8	8.4	19.1	40.9	71.0	2.0
IT290964	JPN	1.63	3.05	14.4	22.5	0.7	1.2	4.4	8.7	6.4	15.5	38.9	67.9	3.5
IT290965	JPN	0.93	3.23	16.9	20.9	1.5	4.5	9.6	10.1	6.5	21.1	46.4	81.2	2.0
IT290968	JPN	3.34	5.00	15.6	17.9	1.1	2.5	8.9	10.0	6.4	19.6	34.9	65.5	3.8
IT290971	CHN	-	7.99	11.7	21.5	-	2.6	10.7	10.0	7.7	28.7	37.0	49.2	1.9
IT290972	CHN	2.03	17.58	17.8	22.4	1.0	1.2	7.0	6.3	7.5	22.8	56.9	90.7	2.6
IT290973	CHN	0.48	3.12	13.5	19.1	0.9	2.7	9.5	10.1	5.6	18.5	38.7	69.4	2.0
IT290974	CHN	-	3.26	12.7	17.7	-	1.2	12.3	8.4	4.4	16.6	29.8	56.4	1.6
IT290975	CHN	0.79	3.64	16.6	19.7	0.3	1.9	8.1	8.6	5.2	12.8	32.7	56.2	1.0
IT290976	CHN	8.07	4.48	1.9	19.1	2.7	2.9	6.1	11.3	2.5	15.4	24.5	52.8	3.5
IT290977	CHN	1.97	5.95	12.5	13.6	2.1	1.9	5.3	6.5	3.5	12.3	26.9	47.3	1.7
IT290978	CHN	-	2.16	15.6	12.5	0.8	5.2	7.5	13.4	3.3	10.4	25.9	42.4	2.3
IT290979	CHN	5.08	2.36	29.2	7.4	2.8	3.3	15.7	9.2	14.0	6.5	40.8	13.2	5.8
IT290980	CHN	0.68	2.18	13.3	16.5	0.2	1.6	8.4	9.2	5.9	16.6	30.1	58.3	1.9
IT290981	CHN	-	7.05	8.9	15.8	-	1.4	10.8	14.7	4.2	15.5	31.2	51.3	2.4
IT290982	CHN	-	5.52	21.4	21.5	0.2	1.4	9.2	5.9	4.2	17.3	27.0	49.6	3.3
IT290983	CHN	0.63	5.94	20.4	26.1	-	1.8	10.3	11.3	5.0	17.3	32.1	52.3	0.8
IT290984	CHN	1.85	4.51	18.4	23.8	0.3	1.3	6.8	6.4	4.9	15.7	39.9	75.5	3.3
IT290985	CHN	1.89	9.37	12.5	13.2	1.2	2.0	5.5	11.5	5.4	18.1	29.2	42.9	1.4
IT290986	CHN	1.03	4.84	13.3	20.5	0.7	3.2	10.5	5.7	6.8	20.3	32.5	68.7	2.7
IT290987	CHN	1.78	6.12	15.7	22.3	-	1.0	6.1	7.1	5.8	22.7	29.5	48.1	1.2
IT290988	CHN	-	2.62	10.7	16.0	1.4	2.7	6.4	9.3	3.2	14.3	27.8	48.4	1.2
IT290989	CHN	2.77	5.66	16.9	19.6	-	-	8.9	14.7	4.2	19.2	32.2	59.6	1.6
IT290990	CHN	-	3.77	14.1	24.5	1.8	-	6.8	5.0	4.3	24.4	36.3	63.8	1.5
IT290992	CHN	1.66	2.83	12.7	18.3	1.4	2.6	12.2	14.2	3.6	15.5	23.2	53.1	2.2
IT290996	CHN	3.89	5.32	16.2	23.5	-	1.2	8.0	5.6	5.0	17.0	27.2	57.9	1.1
IT290997	CHN	1.99	1.05	25.6	1.7	-	2.0	12.2	8.4	13.2	4.5	63.1	19.8	4.4
IT290998	CHN	4.37	4.98	3.1	19.1	0.6	2.3	5.5	5.9	2.0	10.2	19.9	50.9	2.8
IT290999	CHN	1.59	7.34	16.0	27.5	-	2.2	7.5	10.5	4.3	24.1	28.6	56.2	3.5

IT291000	CHN	-	6.32	16.6	20.7	-	2.8	6.3	6.7	2.9	14.8	32.1	67.2	1.4
IT291001	CHN	1.22	9.17	16.6	28.8	1.3	1.9	9.1	9.6	5.3	27.2	40.0	88.4	3.0
IT291002	CHN	31.17	-	24.2	-	-	-	5.7	-	17.2	-	52.6	-	2.4
IT291003	CHN	42.53	-	7.9	-	0.9	-	24.7	-	2.5	-	13.8	-	2.2
IT291006	CHN	2.81	-	22.5	-	1.8	-	8.3	-	7.0	-	54.1	-	3.1
IT291007	CHN	28.29	-	0.4	-	1.9	-	23.6	-	4.0	-	17.1	-	1.4
IT291008	CHN	12.70	-	7.0	-	3.2	-	18.0	-	4.1	-	28.3	-	2.2
IT291009	CHN	25.41	-	1.7	-	5.1	-	16.1	-	2.8	-	14.2	-	5.7
IT291010	CHN	7.95	-	18.4	-	0.4	-	14.7	-	8.5	-	35.7	-	0.7
IT291013	CHN	9.04	-	17.1	-	0.7	-	10.9	-	6.3	-	30.7	-	4.7
IT291015	CHN	13.12	-	4.6	-	0.7	-	17.2	-	3.7	-	22.3	-	2.2
IT291018	CHN	10.67	-	3.9	-	1.5	-	15.1	-	4.3	-	20.8	-	4.2
IT291021	CHN	-	-	8.2	-	2.7	-	8.3	-	3.4	-	26.2	-	1.3
IT291027	IDN	2.15	2.17	21.8	17.0	1.4	0.6	9.6	8.1	7.0	14.0	46.6	54.6	1.8
IT291028	IDN	2.46	2.45	26.4	17.8	2.9	1.9	14.2	5.6	17.8	20.2	67.8	50.8	2.5
IT291029	IDN	2.70	1.67	16.0	15.5	-	1.4	7.7	4.7	8.3	15.9	43.6	51.5	2.3

¹ C, (+)-Catechin; Caf, Caffeine; CG, (-)-Catechin 3-gallate; EC, (-)-Epicatechin; ECG, (-)-Epigallocatechin 3-gallate Gallocatechin 3-gallate; TC, total catechin

C	GCG			TC		Cluster	Structure	DAPC	Target-Oriented
2019	2018	2019	2018	2019	Core Collection				
7.7	0.5	0.9	69.24	69.35	1	2	4	O	
7.5	0.5	0.9	63.68	63.82	4	2	4		
9.5	0.6	1.7	78.09	78.33	4	2	4		
6.1	1.7	3.3	86.63	87.03	1	1	3		
7.5	0.1	0.7	79.13	78.25	2	1	3	O	
4.0	0.0	0.7	74.80	73.78	1	1	3		
8.9	0.7	1.1	104.54	106.04	1	1	3		
6.7	1.3	3.4	85.56	86.92	1	2	4		
7.1	0.4	0.9	59.29	60.26	1	2	4	O	
4.2	0.3	0.7	62.89	61.80	4	2	4	O	
6.9	2.1	3.9	94.71	96.44	1	2	4	O	
7.6	0.7	1.5	68.05	69.37	4	2	4		
7.5	0.6	1.7	105.13	107.26	1	1	3		
7.7	0.7	1.5	99.80	97.58	4	2	2		
7.4	0.1	1.3	82.39	80.53	1	2	4	O	
9.6	0.5	1.7	109.26	111.82	1	2	4		
4.4	0.3	2.7	77.10	79.07	1	1	3		
7.4	0.4	0.8	79.18	77.12	1	2	4		
6.1	0.3	1.2	64.55	66.36	4	2	2	O	
8.1	0.7	1.9	80.80	83.19	2	1	3		
6.4	0.0	1.4	60.70	58.94	2	1	3		
4.2	0.4	0.9	50.82	52.34	1	2	4		
6.0	0.8	2.8	88.59	91.51	4	2	4	O	
9.6	0.6	1.9	81.59	84.37	1	2	2		
7.1	1.2	2.9	92.65	95.87	2	1	3		
10.0	0.8	2.0	90.43	93.72	1	1	3		
10.0	0.4	1.4	73.17	75.89	4	2	4	O	
9.3	0.2	0.6	70.76	68.21	1	2	4		
8.3	0.5	2.1	78.38	75.32	1	2	3		
12.0	0.7	1.4	81.68	85.07	1	2	4		
6.3	0.7	1.7	69.42	72.36	4	2	4	O	
7.5	0.4	2.1	82.66	86.59	1	2	4		
10.4	0.6	1.5	74.60	78.26	1	1	3		
6.5	0.6	1.4	76.22	80.04	4	1	3		
5.0	1.4	2.1	65.16	68.47	2	2	4	O	
5.4	0.5	0.8	63.15	59.80	4	1	1		
7.0	0.3	0.7	68.03	72.05	4	2	4		
8.6	0.9	3.4	92.69	98.20	4	2	4		
8.3	0.9	1.4	92.46	87.20	1	1	3	O	
10.4	0.3	0.6	77.67	82.40	4	1	3		
8.1	0.2	0.5	63.74	60.07	4	2	4		
7.8	0.2	1.2	67.42	63.53	4	2	4		
8.8	1.0	1.5	80.39	75.55	3	2	4	O	
7.5	0.9	1.0	61.02	64.93	2	1	3		
6.9	0.2	0.3	82.79	77.71	4	2	4		
9.2	0.2	4.8	68.34	72.88	1	2	4		

7.1	1.5	2.0	68.54	64.22	4	2	4	
5.7	0.3	1.6	62.05	66.32	3	1	3	O
8.2	0.8	1.1	78.71	73.29	4	2	4	O
7.6	0.3	1.7	66.52	71.45	2	1	3	
6.2	0.1	3.2	63.92	68.72	4	2	4	
8.2	1.3	1.2	86.37	93.01	1	2	4	
8.6	0.4	0.8	83.41	89.90	1	2	4	O
9.5	0.4	0.7	92.25	85.31	1	2	4	
5.7	0.8	3.6	77.02	83.31	4	2	4	O
6.3	1.3	3.3	97.47	105.72	2	2	4	
9.7	0.4	0.6	65.66	71.48	1	2	4	O
10.6	0.2	0.6	76.08	82.90	1	2	4	
9.2	0.3	0.7	53.95	49.49	4	2	4	
8.3	0.8	2.9	114.25	124.60	1	2	4	
5.2	0.2	3.2	77.13	84.17	2	2	4	O
9.5	0.4	1.4	103.15	94.45	4	2	4	
9.1	0.4	1.2	75.61	82.66	4	2	1	
4.5	3.3	9.8	97.23	106.38	3	1	1	
7.6	0.3	3.5	72.59	79.45	1	2	4	
6.9	0.9	1.4	62.83	57.39	4	2	4	
7.3	0.4	1.4	84.40	77.08	4	1	3	
7.4	1.1	2.3	80.34	87.97	4	2	4	
12.0	1.2	2.0	70.63	77.46	1	2	2	
4.1	0.3	1.6	79.70	87.54	4	1	3	
6.7	0.3	1.4	77.71	70.74	2	2	4	
6.6	0.6	1.5	71.31	78.37	1	2	4	
5.4	0.5	0.5	80.20	88.57	1	1	1	
6.3	0.1	0.7	74.66	82.48	4	2	4	
7.2	0.4	1.3	64.47	71.60	4	2	2	
6.5	0.3	1.4	67.52	75.01	4	1	1	
8.8	0.7	1.4	68.98	76.73	4	1	1	O
6.0	0.1	0.7	61.58	55.33	4	2	2	O
6.6	1.3	5.1	95.50	106.36	4	1	1	
5.5	1.0	2.8	85.39	95.21	2	1	3	
7.5	0.3	0.8	61.02	68.08	2	2	4	
4.9	0.1	1.7	64.19	57.50	4	2	2	
8.5	1.0	4.4	93.42	83.47	4	1	1	O
8.2	0.3	1.8	77.36	86.66	4	1	1	
6.1	0.3	1.4	62.10	55.35	2	1	3	O
6.7	0.7	1.2	82.96	93.19	2	1	1	
5.8	0.3	0.7	83.10	73.95	1	2	4	O
10.2	0.4	3.2	78.24	87.96	2	2	2	O
9.4	1.1	1.9	92.03	81.74	2	1	1	
7.9	0.4	0.9	74.96	66.56	4	1	1	
8.0	0.3	0.6	84.08	94.70	3	1	1	
7.6	0.5	5.5	67.48	76.02	1	2	4	
11.3	0.8	2.1	103.13	116.22	3	1	1	
11.3	0.7	2.1	103.49	116.64	2	1	1	
6.2	0.2	1.3	65.89	58.46	4	1	1	
9.1	0.2	2.5	77.18	68.44	2	1	1	

6.8	0.4	1.5	67.10	75.69	4	2	2	O
6.3	0.8	1.4	54.31	48.06	4	1	1	
8.4	0.3	1.3	95.19	84.19	2	2	4	O
4.4	0.0	1.4	58.41	66.14	2	1	1	
7.5	0.4	1.5	104.34	91.98	1	2	4	O
12.3	2.2	4.7	81.91	93.07	2	2	2	
5.9	0.3	1.1	75.70	86.12	2	2	2	O
9.0	0.5	1.1	90.21	102.91	2	2	4	
6.1	0.5	0.8	70.37	80.33	2	1	3	
6.8	0.4	0.5	62.18	71.04	2	1	3	O
11.8	0.6	1.8	77.28	88.32	2	1	3	
6.6	0.3	1.1	57.40	65.71	2	1	1	
6.0	0.2	1.8	59.04	51.53	4	1	1	O
10.5	0.8	2.4	79.14	90.81	4	2	4	
7.8	0.4	1.1	56.97	65.40	4	2	2	
8.3	0.4	0.9	88.86	102.16	4	2	4	
6.4	0.2	1.1	71.41	82.11	3	1	3	O
5.4	0.3	0.8	76.82	88.47	2	1	3	
3.8	0.6	3.1	81.79	94.38	4	2	2	
4.4	0.2	1.6	64.06	55.45	3	2	2	O
5.0	0.9	3.9	96.28	111.41	1	1	3	
8.5	0.9	0.8	61.72	71.55	1	1	1	
9.5	0.7	1.9	66.04	76.62	4	1	3	
4.7	1.1	1.7	67.64	78.57	4	2	4	
6.7	0.3	1.9	85.33	99.28	4	1	3	
7.6	0.6	1.2	68.44	79.86	4	2	4	
9.3	0.4	1.9	78.10	91.15	2	1	1	
8.1	0.3	1.4	73.81	86.19	4	1	1	
9.0	0.0	1.6	78.04	91.16	4	1	3	
8.6	0.2	1.1	82.16	70.26	4	2	4	
4.9	0.6	2.0	96.61	113.21	3	1	1	
7.9	0.5	1.0	82.87	70.41	1	1	3	
7.2	0.3	2.3	68.77	81.01	3	1	3	O
6.1	0.1	0.8	74.58	88.09	3	2	4	O
12.6	0.2	0.7	82.61	97.61	4	2	4	
9.9	0.6	1.6	74.25	87.80	3	1	1	
6.2	0.7	2.2	63.42	75.06	4	1	1	
7.3	0.3	2.1	76.24	90.35	3	2	4	O
4.8	0.2	1.9	75.67	89.69	3	1	1	
6.9	0.2	1.2	80.96	96.09	4	2	4	O
7.7	0.5	1.9	84.62	100.63	3	1	1	
6.9	0.2	0.7	76.71	91.49	4	1	1	O
9.7	0.4	0.6	63.77	76.07	4	1	1	
8.2	0.3	0.8	88.16	73.41	4	2	4	
9.4	0.4	1.4	108.13	89.95	4	2	4	
6.2	0.2	0.8	68.94	82.93	4	2	1	
4.4	0.3	1.1	61.69	74.22	3	1	3	O
5.4	0.6	2.9	62.83	75.64	3	1	1	
7.2	0.4	1.1	51.23	61.74	2	1	1	
7.2	0.7	1.9	73.68	88.96	3	1	3	

8.1	0.2	1.1	82.62	99.84	4	1	1	O
5.3	0.3	1.9	83.95	101.54	4	2	2	
7.5	0.3	1.4	51.73	62.58	1	2	4	
7.7	0.4	0.9	92.96	112.53	2	2	4	
7.7	0.4	3.3	74.67	90.43	2	2	2	
6.9	0.5	1.0	61.07	74.00	2	1	1	
6.4	0.1	1.3	94.44	114.75	2	2	4	
7.8	0.8	3.6	71.92	88.00	2	1	1	
9.6	0.3	1.2	72.49	88.79	2	1	1	
9.2	0.4	0.7	56.66	69.42	2	2	4	
7.3	0.3	1.2	79.50	97.53	2	1	1	
8.7	0.5	1.5	90.90	112.18	2	2	1	
5.8	0.4	1.8	61.88	76.38	3	1	3	
8.4	0.4	1.6	89.04	109.93	2	2	4	
4.1	0.7	3.4	104.61	84.69	3	1	1	
5.9	0.3	1.3	62.85	77.69	2	1	3	
8.2	1.5	1.2	64.73	80.06	1	1	1	
5.8	0.4	2.1	77.10	95.42	1	2	4	
6.7	0.3	1.8	68.63	85.03	2	1	1	
5.8	0.6	1.1	86.68	107.40	2	1	3	
6.7	0.8	1.8	101.43	81.64	2	1	1	
7.0	0.3	1.4	76.16	94.85	4	1	3	
8.4	0.7	1.3	94.77	76.02	4	1	1	
7.1	0.2	0.5	52.17	65.11	4	2	4	
7.6	0.3	2.7	63.17	78.91	2	1	1	
7.0	0.2	2.2	58.82	73.58	4	1	1	
8.2	0.2	1.2	69.00	86.32	3	1	3	
7.7	0.9	2.6	84.49	105.82	4	2	4	
5.1	0.8	3.3	94.39	118.21	1	1	3	
7.3	0.3	2.2	54.81	69.14	1	1	3	
6.7	0.7	3.1	91.27	115.20	1	1	3	
9.3	2.9	3.4	111.44	88.29	1	1	3	
5.7	0.2	0.9	89.63	70.90	2	1	1	
8.9	0.5	2.0	73.59	93.22	2	1	1	O
5.8	0.2	2.3	59.25	75.41	1	2	2	
7.7	0.9	3.5	85.04	108.51	4	2	4	O
11.0	0.4	2.0	91.18	116.40	4	2	2	
6.8	0.1	2.1	64.01	81.82	2	1	1	
9.8	0.5	1.2	68.05	87.07	2	2	4	
8.3	0.2	0.6	65.84	84.55	2	1	1	
6.6	0.9	3.8	90.68	116.55	2	2	4	
7.3	0.4	1.4	73.82	94.98	2	2	2	
6.8	0.4	2.4	62.35	80.31	2	2	4	
5.9	0.2	1.0	57.07	44.28	1	1	3	
7.5	0.3	3.5	74.54	96.11	2	2	4	
9.0	0.2	0.6	47.05	60.68	1	2	4	
8.5	0.0	1.7	67.11	86.56	4	1	1	
6.6	0.2	0.9	68.71	53.24	4	2	4	
6.6	1.6	3.6	64.41	83.24	1	2	4	
7.6	0.5	1.0	64.44	83.39	4	2	4	

5.3	0.4	1.3	97.48	126.66	4	1	1	
6.7	0.3	1.5	48.97	63.83	4	1	1	
7.3	0.2	1.0	70.55	53.98	4	1	3	
4.9	0.3	3.0	51.38	67.18	4	1	3	
8.1	0.3	1.7	49.22	64.41	4	1	3	
8.3	0.9	1.8	113.32	86.58	4	2	4	
12.1	0.2	1.0	79.87	104.54	4	1	1	
10.8	0.2	1.5	75.32	98.82	1	1	3	
6.3	0.3	2.9	61.51	80.71	1	1	1	
10.1	0.4	1.5	96.26	126.38	2	2	4	O
9.6	0.1	1.0	70.88	93.31	2	2	4	
7.0	0.2	1.9	65.76	86.59	4	2	4	
6.6	0.3	1.5	96.79	127.48	4	2	4	
8.6	0.1	1.1	68.31	90.11	4	2	2	
7.8	0.2	0.8	49.35	65.17	1	2	4	
6.9	0.7	3.1	71.69	94.70	2	2	4	
10.1	0.3	1.7	81.41	107.53	1	2	2	O
10.0	0.6	1.5	60.50	79.97	2	2	2	O
5.7	0.8	4.2	99.61	131.79	1	2	4	
5.8	1.8	3.7	86.92	115.02	1	2	1	
7.8	0.6	1.5	65.28	86.45	1	2	4	
7.6	0.3	0.9	57.43	76.12	1	1	1	
8.6	0.5	1.7	82.33	109.43	1	1	1	
6.9	0.3	1.8	50.97	67.76	4	2	4	
6.4	0.5	2.7	69.52	92.66	1	2	4	
6.7	1.8	5.6	80.96	108.20	4	1	1	
6.8	0.4	0.9	71.42	53.29	2	2	4	
8.6	0.6	1.3	58.95	79.26	1	2	1	
5.8	0.2	1.8	54.53	73.36	1	1	1	
8.3	0.4	1.0	54.48	73.32	3	1	1	
8.1	0.3	0.7	73.88	54.88	1	1	1	
10.6	0.3	0.6	75.92	102.22	4	2	4	
3.2	1.4	6.2	94.92	127.80	4	2	4	
4.3	0.9	3.3	97.40	72.33	4	2	2	O
5.0	0.2	1.3	55.83	75.23	2	1	3	
6.6	0.6	2.3	80.30	108.30	1	2	4	O
9.8	1.5	3.2	99.52	134.65	1	1	1	
7.7	0.1	0.9	70.79	95.91	1	1	1	
7.1	0.4	2.5	70.71	95.87	2	2	4	
7.0	0.5	1.8	96.26	130.53	4	2	4	
9.1	1.0	2.3	82.56	111.98	4	2	4	
8.0	0.2	1.0	62.60	85.04	1	2	4	
8.0	0.1	0.7	46.56	63.33	2	1	3	
7.0	0.3	1.9	54.27	73.83	4	2	4	
8.5	0.3	2.1	68.74	93.63	2	2	4	
12.9	0.3	2.7	71.99	98.12	4	2	4	
12.9	0.5	1.3	74.20	101.23	3	2	4	
4.5	0.4	1.0	65.22	89.00	4	2	4	O
11.1	1.1	3.1	75.93	103.67	3	2	4	
7.3	0.3	1.3	63.58	86.95	4	2	2	

6.8	0.6	2.0	76.36	104.56	3	1	1	
9.3	0.7	1.4	68.47	93.77	3	2	4	
6.1	0.5	2.9	58.56	80.23	4	2	2	
7.3	0.6	0.9	94.28	68.74	4	2	2	
12.6	0.4	1.4	70.98	97.58	3	1	1	O
6.5	0.4	2.4	59.31	81.60	1	2	4	
6.6	0.1	1.3	65.00	89.56	3	1	3	
8.8	0.1	2.8	78.34	108.22	3	2	4	O
12.5	0.3	1.0	51.29	70.87	1	2	2	O
5.6	0.1	1.9	62.63	86.62	1	2	4	
9.7	0.3	0.9	63.75	88.33	3	2	4	
7.2	1.8	3.3	82.36	114.15	4	2	4	
9.3	0.5	2.9	90.50	125.80	4	2	4	
7.9	0.4	1.6	77.62	107.99	4	2	4	
5.1	0.7	2.4	61.35	85.36	4	2	4	
6.6	0.8	2.3	71.58	99.60	1	2	4	O
7.3	0.2	1.7	67.88	94.53	3	1	1	O
8.1	0.7	1.7	65.93	91.91	1	1	1	
7.3	0.6	2.2	73.82	102.97	3	1	1	
8.0	1.7	3.6	125.25	89.78	4	2	4	
6.3	0.2	1.5	76.75	54.97	3	1	3	
6.6	0.4	1.6	61.29	85.66	1	2	4	O
12.7	0.6	4.5	79.83	112.03	1	2	4	
9.8	0.3	0.9	52.24	73.69	1	1	1	
5.4	0.3	1.3	64.42	90.88	4	1	3	
7.0	0.5	2.6	78.72	111.07	3	1	3	
8.4	0.1	1.4	79.88	112.79	3	1	1	O
6.7	1.5	1.9	91.78	64.98	3	2	4	
5.9	0.1	2.2	53.98	76.31	3	2	4	O
9.5	0.3	3.2	74.48	105.74	3	2	2	
7.1	0.0	0.8	69.00	98.21	3	2	2	
7.5	0.4	1.3	68.53	97.64	2	2	4	
8.8	0.4	1.6	58.76	83.72	3	2	4	O
7.5	0.1	0.5	50.46	71.94	3	2	4	
7.5	1.7	2.1	88.26	61.89	3	2	4	
11.0	0.1	0.7	57.52	82.13	4	2	4	
8.8	1.1	3.2	85.86	122.83	4	2	2	
7.8	0.5	2.2	73.02	104.74	1	2	4	
8.1	0.4	2.8	61.89	88.89	4	2	2	
6.4	0.4	2.8	60.84	87.49	1	2	4	O
7.5	0.3	0.6	65.01	45.17	1	1	1	
7.6	0.3	1.1	57.36	82.65	2	2	4	O
7.2	0.6	2.8	68.36	98.53	4	1	1	
8.9	1.0	2.0	79.36	114.40	3	1	1	
7.3	0.9	2.7	76.65	110.67	3	1	1	
9.0	0.2	2.6	64.79	94.09	1	1	3	
9.3	0.2	0.8	64.57	93.79	4	2	4	
6.9	0.4	1.8	58.03	84.31	1	2	4	
5.0	0.1	2.6	55.93	81.59	3	2	4	
9.1	0.2	1.8	59.15	86.57	1	2	3	

10.3	0.4	1.4	77.31	113.65	1	1	1	O
4.5	0.5	1.7	70.62	103.84	2	1	1	
8.5	0.3	2.0	74.05	108.94	4	2	4	
12.7	0.4	2.9	71.57	105.82	4	1	1	
9.3	0.4	1.2	59.08	87.37	3	1	1	
3.5	0.8	3.0	71.52	105.80	4	1	1	O
9.0	0.2	1.0	74.82	110.78	1	2	4	
7.9	0.3	1.5	60.43	89.51	4	2	4	
9.0	0.5	1.6	63.86	94.84	4	2	2	
4.6	0.7	2.2	78.62	116.84	3	2	2	O
4.7	0.5	1.2	45.88	68.21	4	1	1	
7.6	0.6	2.7	78.36	116.78	4	1	1	
6.9	0.1	1.1	58.22	86.83	4	1	1	
7.0	0.5	5.7	59.37	88.87	3	1	1	O
5.5	0.6	2.6	47.68	71.46	3	1	1	
6.9	0.5	3.5	73.78	110.72	4	1	1	
7.2	0.4	0.9	62.82	94.70	3	1	1	
8.7	0.9	1.4	65.11	98.40	4	1	1	O
7.3	0.6	1.7	52.94	80.04	3	1	1	
5.8	0.3	1.1	64.53	97.63	4	2	4	
5.0	0.2	1.6	72.65	47.97	4	1	1	
6.8	0.3	1.3	87.71	57.79	4	2	4	
8.8	0.7	2.3	68.97	104.69	4	1	3	
11.3	0.1	1.6	64.38	97.97	3	2	4	
8.2	0.0	1.0	49.18	74.90	2	1	3	
11.7	0.3	1.4	62.46	95.22	4	2	4	
7.7	0.4	4.3	78.34	119.99	2	2	4	
4.9	0.5	1.5	58.87	90.19	4	2	4	
9.8	0.7	3.3	60.66	92.93	4	2	2	
7.2	0.3	1.8	54.56	83.63	4	2	4	
7.9	0.3	2.7	71.59	109.83	4	1	1	
6.0	0.3	1.8	66.92	102.82	4	2	4	
7.6	0.3	1.0	51.02	78.52	4	1	1	
7.6	0.2	2.1	51.13	78.74	3	1	3	
6.4	0.7	1.3	74.23	48.16	3	1	1	
8.6	0.2	2.4	62.51	96.42	4	2	4	
6.9	0.3	0.5	68.98	106.42	4	1	1	
9.8	0.7	4.2	90.34	139.50	4	1	1	
7.1	0.2	4.8	61.79	95.49	3	2	4	O
9.4	0.2	2.1	57.74	89.30	4	2	2	O
6.7	0.4	1.6	117.28	75.72	3	2	4	O
8.9	0.1	1.2	58.27	90.46	2	1	3	
6.6	2.4	2.6	88.07	56.66	4	1	1	
7.6	0.4	1.3	54.27	84.45	4	2	2	
8.1	0.4	3.3	66.16	103.11	4	2	4	
7.2	0.6	3.4	67.04	104.57	2	1	1	O
6.5	0.1	1.0	50.61	78.99	4	2	2	
10.6	0.2	1.3	74.05	115.83	2	1	1	
9.0	0.4	1.0	48.15	75.36	2	2	2	
7.9	0.2	1.8	68.22	106.79	4	1	3	

6.6	0.5	1.4	71.15	111.51	2	1	1	
7.0	0.2	0.7	56.86	89.15	4	2	2	
10.3	0.8	3.8	68.41	107.55	2	1	3	
7.1	0.5	1.7	70.85	112.35	3	1	3	
7.8	0.6	1.9	60.88	96.74	2	2	4	
9.9	0.1	2.3	44.37	70.61	3	2	4	O
5.5	1.4	3.0	70.58	112.37	1	2	4	
7.6	0.2	0.7	34.14	54.41	4	2	4	
7.9	0.2	1.0	78.75	125.56	2	2	4	O
10.3	0.8	2.2	59.67	95.25	4	1	3	
10.3	0.4	0.8	71.65	115.47	4	1	1	
10.8	0.2	1.4	58.08	94.06	4	1	1	
4.5	0.4	3.0	69.47	112.91	4	1	1	
8.3	0.2	2.2	59.03	96.61	1	2	4	O
7.5	0.2	2.5	57.98	95.07	4	2	4	
8.3	0.2	0.8	49.11	80.90	4	2	4	
7.4	0.5	2.6	50.59	83.45	2	1	1	O
10.3	0.6	2.9	84.90	140.29	4	2	4	
8.0	1.0	2.1	63.61	105.30	2	1	3	O
5.3	0.5	2.2	82.25	136.23	4	2	4	
6.4	0.3	4.3	69.41	115.15	4	1	1	
7.3	0.3	1.3	56.54	93.93	1	2	2	
7.1	0.3	1.1	50.66	84.21	4	1	1	
4.8	0.3	1.9	50.34	83.93	2	2	4	
6.0	0.4	1.4	49.44	82.64	2	1	1	
8.5	0.4	1.4	70.43	117.95	2	1	1	O
7.7	1.0	3.2	59.66	100.31	2	1	1	
7.4	0.5	1.8	67.30	113.46	2	1	1	
8.9	0.6	1.3	61.08	103.09	2	1	1	
8.1	0.0	1.9	52.06	88.23	2	1	2	
7.3	0.1	3.8	57.43	97.41	2	1	1	
6.1	0.7	1.6	59.81	101.72	2	1	1	
10.1	0.4	2.0	62.10	105.64	4	1	1	
5.9	0.4	2.2	74.05	126.21	2	1	1	
8.5	0.0	1.2	49.83	84.99	3	1	3	O
6.2	0.2	0.6	73.91	43.32	4	1	3	
10.8	0.4	3.2	73.91	126.17	4	1	1	
6.8	0.1	1.0	53.75	91.98	3	2	1	
7.1	0.4	3.6	71.46	122.64	1	2	4	
4.9	0.7	4.6	61.90	106.42	2	1	1	O
9.0	0.4	0.8	59.54	102.68	4	2	4	
7.3	0.3	4.3	63.23	109.13	2	2	4	O
7.3	0.3	1.5	55.97	96.66	2	2	4	
8.5	1.2	2.9	62.34	107.77	2	2	4	
9.7	0.1	0.8	50.14	87.21	2	2	4	
7.8	0.2	1.6	57.81	100.64	2	2	4	
9.9	0.0	1.7	60.13	104.99	4	2	4	
7.0	0.2	1.3	61.00	106.74	4	1	3	
6.9	0.5	2.0	46.99	82.50	4	1	3	
7.4	0.2	2.6	58.82	103.42	4	1	3	

9.1	0.4	2.0	63.27	111.69	4	2	4	
8.8	0.2	0.8	53.47	94.45	1	1	3	
8.6	0.6	2.4	61.37	108.53	1	1	3	
7.5	0.1	1.7	59.92	106.18	1	2	2	O
15.6	0.2	1.3	65.63	116.37	1	2	2	
7.8	0.5	1.3	56.60	100.40	1	1	1	
8.4	0.1	1.1	51.17	90.90	4	1	3	
11.6	0.1	2.0	56.26	100.42	4	1	1	
7.0	0.3	3.0	40.04	71.75	2	2	4	
7.0	0.0	1.2	42.87	77.06	4	1	1	
6.8	1.0	2.0	57.02	102.53	4	1	3	O
9.4	0.3	1.1	52.13	93.87	4	1	1	
10.7	0.1	0.7	43.05	77.53	4	1	1	
4.6	1.0	1.5	90.74	50.05	1	2	2	O
8.3	0.1	1.2	58.07	105.59	4	1	3	
8.4	0.4	1.2	61.33	111.52	4	1	1	
6.4	0.7	2.6	47.14	85.81	4	1	3	
7.1	0.4	1.1	60.84	110.99	2	1	3	
7.1	0.2	1.4	50.06	92.59	2	1	1	O
7.1	0.4	3.5	66.48	123.09	2	1	3	
7.7	0.1	2.0	58.22	108.00	1	1	3	
6.4	0.6	3.4	61.51	114.90	2	1	1	
7.6	0.4	1.1	55.84	105.14	4	1	1	O
6.8	0.1	1.1	67.00	127.99	1	1	3	O
8.1	0.3	1.6	58.65	112.35	4	1	1	
9.7	0.3	2.9	57.56	111.12	1	2	2	
9.3	0.8	4.2	77.78	152.08	4	2	2	O
7.2	0.3	1.4	57.42	112.37	2	2	2	
8.1	0.2	1.1	48.29	95.10	4	2	2	O
11.3	0.3	1.4	48.40	95.97	2	2	2	O
5.4	0.2	2.3	47.57	94.49	2	2	4	O
7.4	0.4	1.9	41.82	83.14	2	2	2	O
5.0	0.1	1.2	39.81	79.64	1	2	2	
5.4	1.8	2.9	86.02	42.93	4	2	4	
6.2	0.3	1.2	47.44	95.22	4	2	2	
7.2	0.5	2.0	49.01	99.15	1	2	2	O
7.6	0.1	1.8	44.06	89.28	1	2	2	
9.2	0.1	1.5	49.00	99.42	1	2	2	
11.7	0.8	2.4	57.85	117.47	1	2	2	
8.5	0.4	3.0	45.11	95.45	2	2	2	
10.1	0.3	3.2	54.47	115.93	4	1	1	O
8.6	0.3	2.8	44.60	96.55	4	1	3	
8.6	0.2	1.5	40.20	87.36	4	1	3	
7.6	0.3	2.4	50.10	109.31	4	2	2	O
11.1	0.2	3.0	50.86	111.18	1	2	2	O
8.3	0.4	1.5	44.64	98.02	4	2	2	O
12.0	0.3	2.2	45.47	101.20	1	2	2	O
5.5	0.4	0.8	95.24	42.03	2	2	2	O
8.5	0.4	2.2	35.57	85.03	1	2	2	
9.4	0.1	1.8	45.69	111.51	1	2	2	O

8.0	0.0	2.6	42.72	108.45	2	2	2	
12.1	0.2	3.9	59.99	152.30	2	2	2	
-	3.5	-	112.61	-	2	2	2	O
-	0.6	-	87.22	-	4	2	2	O
-	1.0	-	78.11	-	4	2	2	O
-	1.7	-	77.86	-	1	2	2	O
-	1.5	-	69.96	-	1	2	2	O
-	0.3	-	69.66	-	2	2	2	
-	1.2	-	69.25	-	2	2	2	
-	0.6	-	62.89	-	1	2	2	O
-	0.5	-	59.83	-	2	2	2	O
-	0.7	-	57.20	-	4	2	4	O
-	0.5	-	42.28	-	1	2	2	O
8.4	0.4	1.6	69.08	89.40	4	1	1	
10.0	0.7	3.2	108.26	94.26	4	1	1	
7.4	0.5	1.7	65.08	84.35	4	2	4	O

; EGCG, (-)-Epigallocatechin 3-gallate; GC, (-)-Gallocatechin; GCG, (-)-