Group1 (PBS vehicle controls) perc: percentage of PBS in the medium (v/v)	Group2 (Treatments) aqueous extract concentration: puff/mL	Analyte ID	Analyte Name	Analyte Unit	LDD	Statistical Method	Difference of Means	LowerCLMean	UpperCLMean	Probability	Group1 Mean	Group2 Mean	Significance Level	Ratio	LogPVal
0_15perc	3R4F_0.06	3	B2M	ug/mL	0.000047	Satterthwaite	0.001	0.000	0.003	0.0572	0.029	0.028	-	-0.07	1.24
0_15perc	3R4F_0.06	4	BDNF	ng/mL	0.014	Satterthwaite	-0.007	-0.016	0.001	0.0722	0.063	0.070	-	0.16	1.14
0_15perc	3R4F_0.06	6	C3	mg/mL	2E-08	Satterthwaite	0.000	0.000	0.000	0.2065	0.000	0.000	-	-0.10	0.69
0_15perc	3R4F_0.06	9	FRTN	ng/mL	0.0086	Satterthwaite	0.067	-0.077	0.210	0.1835	1.600	1.533	-	-0.06	0.74
0_15perc	3R4F_0.06	14	IFN_gamma	pg/mL	0.72	Satterthwaite	0.633	-0.382	1.648	0.1280	2.500	1.867	-	-0.42	0.89
0_15perc	3R4F_0.06	16	IL_1_beta	pg/mL	0.64	Satterthwaite	0.233	-0.267	0.734	0.2642	1.467	1.233	-	-0.25	0.58
0_15perc	3R4F_0.06	25	IL_10	pg/mL	0.56	Satterthwaite	3.100	2.360	3.840	0.0004	6.233	3.133	***	**-0.99**	3.44
0_15perc	3R4F_0.06	29	IL_17	pg/mL	0.63	Satterthwaite	0.220	-0.273	0.713	0.2813	1.400	1.180	-	-0.25	0.55
0_15perc	3R4F_0.06	30	IL_18	pg/mL	4	Satterthwaite	0.333	-4.995	5.662	0.8287	19.667	19.333	-	-0.02	0.08
0_15perc	3R4F_0.06	17	IL_1ra	pg/mL	59	Satterthwaite	23.000	-16.459	62.459	0.1808	141.000	118.000	-	-0.26	0.74
0_15perc	3R4F_0.06	19	IL_3	ng/mL	0.0012	Satterthwaite	0.001	0.000	0.002	0.1626	0.002	0.002	-	-0.42	0.79
0_15perc	3R4F_0.06	20	IL_4	pg/mL	4.4	Satterthwaite	-0.333	-8.923	8.256	0.9047	14.667	15.000	-	0.03	0.04
0_15perc	3R4F_0.06	22	IL_6	pg/mL	0.76	Satterthwaite	1.533	0.600	2.467	0.0177	8.800	7.267	*	**-0.28**	1.75
0_15perc	3R4F_0.06	23	IL_7	pg/mL	5.4	Satterthwaite	-7.333	-20.933	6.266	0.1945	38.333	45.667	-	0.25	0.71
0_15perc	3R4F_0.06	24	IL_8	pg/mL	0.74	Satterthwaite	-2550.000	-2895.133	-2204.867	0.0009	4610.000	7160.000	***	**0.64**	3.05
0_15perc	3R4F_0.06	36	MCP_1	pg/mL	9.5	Satterthwaite	506.667	344.599	668.734	0.0029	1333.333	826.667	**	**-0.69**	2.53
0_15perc	3R4F_0.06	32	MIP_1_alpha	pg/mL	4.8	Satterthwaite	800.000	-250.805	1850.805	0.0874	3410.000	2610.000	-	-0.39	1.06
0_15perc	3R4F_0.06	33	MIP_1_beta	pg/mL	4.8	Satterthwaite	240.000	126.882	353.118	0.0043	1360.000	1120.000	**	**-0.28**	2.37
0_15perc	3R4F_0.06	38	RANTES	ng/mL	0.00046	Satterthwaite	-0.127	-0.353	0.100	0.1688	0.523	0.650	-	0.31	0.77
0_15perc	3R4F_0.06	39	TIMP_1	ng/mL	0.0061	Satterthwaite	0.200	-0.837	1.237	0.5264	4.233	4.033	-	-0.07	0.28
0_15perc	3R4F_0.06	40	TNF_alpha	pg/mL	3.7	Satterthwaite	-353.667	-526.097	-181.236	0.0126	96.667	450.333	*	**2.22**	1.90
0_15perc	3R4F_0.06	41	TNF_beta	pg/mL	2	Satterthwaite	0.000	-1.309	1.309	1.0000	12.667	12.667	-	0.00	0.00

0_15perc	3R4F_0.06	42	TNFR2	ng/mL	0.0025	Satterthwaite	-0.223	-0.358	-0.088	0.0160	0.723	0.947	*	**0.39**	1.80
0_15perc	3R4F_0.06	43	VCAM_1	ng/mL	0.014	Satterthwaite	0.003	-0.025	0.032	0.7087	0.090	0.086	-	-0.05	0.15
0_15perc	3R4F_0.06	44	VEGF	pg/mL	4.5	Satterthwaite	53.667	4.034	103.299	0.0400	331.333	277.667	*	**-0.25**	1.40
0_15perc	3R4F_0.225	3	B2M	ug/mL	0.000047	Satterthwaite	0.008	0.006	0.010	0.0052	0.029	0.021	**	**-0.47**	2.29
0_15perc	3R4F_0.225	4	BDNF	ng/mL	0.014	Satterthwaite	0.033	0.025	0.041	0.0023	0.063	0.030	**	**-1.07**	2.64
0_15perc	3R4F_0.225	6	C3	mg/mL	2E-08	Satterthwaite	0.000	0.000	0.000	0.0028	0.000	0.000	**	**-0.65**	2.56
0_15perc	3R4F_0.225	9	FRTN	ng/mL	0.0086	Satterthwaite	0.133	-0.010	0.277	0.0572	1.600	1.467	-	-0.13	1.24
0_15perc	3R4F_0.225	14	IFN_gamma	pg/mL	0.72	Satterthwaite	2.140	1.002	3.278	0.0149	2.500	0.360	*	**-2.80**	1.83
0_15perc	3R4F_0.225	16	IL_1_beta	pg/mL	0.64	Satterthwaite	0.527	0.046	1.007	0.0414	1.467	0.940	*	**-0.64**	1.38
0_15perc	3R4F_0.225	25	IL_10	pg/mL	0.56	Satterthwaite	5.823	5.222	6.424	0.0000	6.233	0.410	***	**-3.93**	4.77
0_15perc	3R4F_0.225	29	IL_17	pg/mL	0.63	Satterthwaite	1.085	0.588	1.582	0.0111	1.400	0.315	*	**-2.15**	1.95
0_15perc	3R4F_0.225	30	IL_18	pg/mL	4	Satterthwaite	7.667	3.830	11.503	0.0104	19.667	12.000	*	**-0.71**	1.98
0_15perc	3R4F_0.225	17	IL_1ra	pg/mL	59	Satterthwaite	45.333	10.508	80.159	0.0248	141.000	95.667	*	**-0.56**	1.61
0_15perc	3R4F_0.225	19	IL_3	ng/mL	0.0012	Satterthwaite	0.001	-0.001	0.003	0.2993	0.002	0.001	-	-0.61	0.52
0_15perc	3R4F_0.225	20	IL_4	pg/mL	4.4	Satterthwaite	8.033	-0.804	16.871	0.0614	14.667	6.633	-	-1.14	1.21
0_15perc	3R4F_0.225	22	IL_6	pg/mL	0.76	Satterthwaite	6.233	6.028	6.438	0.0000	8.800	2.567	***	**-1.78**	5.88
0_15perc	3R4F_0.225	23	IL_7	pg/mL	5.4	Satterthwaite	23.000	13.523	32.477	0.0072	38.333	15.333	**	**-1.32**	2.14
0_15perc	3R4F_0.225	24	IL_8	pg/mL	0.74	Satterthwaite	3133.333	2818.057	3448.610	0.0000	4610.000	1476.667	***	**-1.64**	4.98
0_15perc	3R4F_0.225	36	MCP_1	pg/mL	9.5	Satterthwaite	1155.000	968.063	1341.937	0.0014	1333.333	178.333	**	**-2.90**	2.86
0_15perc	3R4F_0.225	32	MIP_1_alpha	pg/mL	4.8	Satterthwaite	2276.667	1126.708	3426.626	0.0131	3410.000	1133.333	*	**-1.59**	1.88
0_15perc	3R4F_0.225	33	MIP_1_beta	pg/mL	4.8	Satterthwaite	867.000	772.527	961.473	0.0001	1360.000	493.000	***	**-1.46**	4.10
0_15perc	3R4F_0.225	38	RANTES	ng/mL	0.00046	Satterthwaite	0.147	0.039	0.254	0.0199	0.523	0.377	*	**-0.47**	1.70
0_15perc	3R4F_0.225	39	TIMP_1	ng/mL	0.0061	Satterthwaite	1.800	1.538	2.062	0.0000	4.233	2.433	***	**-0.80**	4.35
0_15perc	3R4F_0.225	40	TNF_alpha	pg/mL	3.7	Satterthwaite	-92.333	-115.477	-69.190	0.0027	96.667	189.000	**	**0.97**	2.57
0_15perc	3R4F_0.225	41	TNF_beta	pg/mL	2	Satterthwaite	7.133	5.892	8.374	0.0006	12.667	5.533	***	**-1.19**	3.21
0_15perc	3R4F_0.225	42	TNFR2	ng/mL	0.0025	Satterthwaite	-0.230	-0.296	-0.164	0.0010	0.723	0.953	**	**0.40**	2.98
0_15perc	3R4F_0.225	43	VCAM_1	ng/mL	0.014	Satterthwaite	0.016	-0.010	0.042	0.1335	0.090	0.074	-	-0.28	0.87
0_15perc	3R4F_0.225	44	VEGF	pg/mL	4.5	Satterthwaite	168.000	118.399	217.601	0.0020	331.333	163.333	**	**-1.02**	2.70
0_15perc	THS2.2_0.06	3	B2M	ug/mL	0.000047	Satterthwaite	0.001	-0.001	0.002	0.1835	0.029	0.028	-	-0.03	0.74
0_15perc	THS2.2_0.06	4	BDNF	ng/mL	0.014	Satterthwaite	-0.012	-0.029	0.005	0.1037	0.063	0.075	-	0.25	0.98
0_15perc	THS2.2_0.06	6	C3	mg/mL	2E-08	Satterthwaite	0.000	0.000	0.000	0.2065	0.000	0.000	-	-0.10	0.69
0_15perc	THS2.2_0.06	9	FRTN	ng/mL	0.0086	Satterthwaite	0.133	-0.807	1.074	0.6039	1.600	1.467	-	-0.13	0.22
0_15perc	THS2.2_0.06	14	IFN_gamma	pg/mL	0.72	Satterthwaite	0.200	-0.815	1.215	0.6131	2.500	2.300	-	-0.12	0.21
0_15perc	THS2.2_0.06	16	IL_1_beta	pg/mL	0.64	Satterthwaite	-0.433	-1.775	0.908	0.3436	1.467	1.900	-	0.37	0.46
0_15perc	THS2.2_0.06	25	IL_10	pg/mL	0.56	Satterthwaite	0.633	-0.121	1.388	0.0795	6.233	5.600	-	-0.15	1.10
0_15perc	THS2.2_0.06	29	IL_17	pg/mL	0.63	Satterthwaite	0.187	-0.389	0.762	0.4060	1.400	1.213	-	-0.21	0.39

0_15perc	THS2.2_0.06	30	IL_18	pg/mL	4	Satterthwaite	0.333	-4.995	5.662	0.8287	19.667	19.333	-	-0.02	0.08
0_15perc	THS2.2_0.06	17	IL_1ra	pg/mL	59	Satterthwaite	17.000	-21.538	55.538	0.2879	141.000	124.000	-	-0.19	0.54
0_15perc	THS2.2_0.06	19	IL_3	ng/mL	0.0012	Satterthwaite	0.000	0.000	0.001	0.5615	0.002	0.002	-	-0.09	0.25
0_15perc	THS2.2_0.06	20	IL_4	pg/mL	4.4	Satterthwaite	0.333	-8.316	8.982	0.9194	14.667	14.333	-	-0.03	0.04
0_15perc	THS2.2_0.06	22	IL_6	pg/mL	0.76	Satterthwaite	1.067	-1.695	3.828	0.2413	8.800	7.733	-	-0.19	0.62
0_15perc	THS2.2_0.06	23	IL_7	pg/mL	5.4	Satterthwaite	-2.667	-12.318	6.985	0.3834	38.333	41.000	-	0.10	0.42
0_15perc	THS2.2_0.06	24	IL_8	pg/mL	0.74	Satterthwaite	-216.667	-766.011	332.677	0.3006	4610.000	4826.667	-	0.07	0.52
0_15perc	THS2.2_0.06	36	MCP_1	pg/mL	9.5	Satterthwaite	116.667	-49.940	283.274	0.1236	1333.333	1216.667	-	-0.13	0.91
0_15perc	THS2.2_0.06	32	MIP_1_alpha	pg/mL	4.8	Satterthwaite	270.000	-709.542	1249.542	0.4789	3410.000	3140.000	-	-0.12	0.32
0_15perc	THS2.2_0.06	33	MIP_1_beta	pg/mL	4.8	Satterthwaite	143.333	-81.603	368.270	0.1298	1360.000	1216.667	-	-0.16	0.89
0_15perc	THS2.2_0.06	38	RANTES	ng/mL	0.00046	Satterthwaite	-0.173	-0.284	-0.062	0.0125	0.523	0.697	*	**0.41**	1.90
0_15perc	THS2.2_0.06	39	TIMP_1	ng/mL	0.0061	Satterthwaite	0.033	-0.214	0.280	0.7250	4.233	4.200	-	-0.01	0.14
0_15perc	THS2.2_0.06	40	TNF_alpha	pg/mL	3.7	Satterthwaite	-12.333	-26.165	1.499	0.0637	96.667	109.000	-	0.17	1.20
0_15perc	THS2.2_0.06	41	TNF_beta	pg/mL	2	Satterthwaite	-0.333	-1.768	1.101	0.4226	12.667	13.000	-	0.04	0.37
0_15perc	THS2.2_0.06	42	TNFR2	ng/mL	0.0025	Satterthwaite	-0.023	-0.071	0.024	0.1852	0.723	0.747	-	0.05	0.73
0_15perc	THS2.2_0.06	43	VCAM_1	ng/mL	0.014	Satterthwaite	-0.006	-0.056	0.044	0.6776	0.090	0.096	-	0.09	0.17
0_15perc	THS2.2_0.06	44	VEGF	pg/mL	4.5	Satterthwaite	-20.333	-69.069	28.403	0.2785	331.333	351.667	-	0.09	0.56
0_15perc	THS2.2_0.225	3	B2M	ug/mL	0.000047	Satterthwaite	0.001	-0.004	0.006	0.4778	0.029	0.028	-	-0.05	0.32
0_15perc	THS2.2_0.225	4	BDNF	ng/mL	0.014	Satterthwaite	-0.008	-0.024	0.008	0.1881	0.063	0.071	-	0.18	0.73
0_15perc	THS2.2_0.225	6	C3	mg/mL	2E-08	Satterthwaite	0.000	0.000	0.000	0.0202	0.000	0.000	*	**-0.27**	1.70
0_15perc	THS2.2_0.225	9	FRTN	ng/mL	0.0086	Satterthwaite	0.433	0.054	0.813	0.0390	1.600	1.167	*	**-0.46**	1.41
0_15perc	THS2.2_0.225	14	IFN_gamma	pg/mL	0.72	Satterthwaite	0.233	-2.016	2.483	0.7516	2.500	2.267	-	-0.14	0.12
0_15perc	THS2.2_0.225	16	IL_1_beta	pg/mL	0.64	Satterthwaite	0.167	-0.273	0.606	0.3483	1.467	1.300	-	-0.17	0.46
0_15perc	THS2.2_0.225	25	IL_10	pg/mL	0.56	Satterthwaite	2.067	1.392	2.741	0.0011	6.233	4.167	**	**-0.58**	2.98
0_15perc	THS2.2_0.225	29	IL_17	pg/mL	0.63	Satterthwaite	0.133	-0.276	0.543	0.3868	1.400	1.267	-	-0.14	0.41
0_15perc	THS2.2_0.225	30	IL_18	pg/mL	4	Satterthwaite	1.667	-7.998	11.331	0.5466	19.667	18.000	-	-0.13	0.26
0_15perc	THS2.2_0.225	17	IL_1ra	pg/mL	59	Satterthwaite	28.333	-45.588	102.254	0.3033	141.000	112.667	-	-0.32	0.52
0_15perc	THS2.2_0.225	19	IL_3	ng/mL	0.0012	Satterthwaite	0.001	-0.001	0.003	0.2692	0.002	0.002	-	-0.54	0.57
0_15perc	THS2.2_0.225	20	IL_4	pg/mL	4.4	Satterthwaite	-2.000	-10.365	6.365	0.5343	14.667	16.667	-	0.18	0.27
0_15perc	THS2.2_0.225	22	IL_6	pg/mL	0.76	Satterthwaite	1.800	-0.612	4.212	0.0855	8.800	7.000	-	-0.33	1.07
0_15perc	THS2.2_0.225	23	IL_7	pg/mL	5.4	Satterthwaite	-3.000	-18.421	12.421	0.5861	38.333	41.333	-	0.11	0.23
0_15perc	THS2.2_0.225	24	IL_8	pg/mL	0.74	Satterthwaite	-1630.000	-3422.331	162.331	0.0601	4610.000	6240.000	-	**0.44**	1.22
0_15perc	THS2.2_0.225	36	MCP_1	pg/mL	9.5	Satterthwaite	166.667	-220.700	554.033	0.2488	1333.333	1166.667	-	-0.19	0.60
0_15perc	THS2.2_0.225	32	MIP_1_alpha	pg/mL	4.8	Satterthwaite	353.333	-1008.792	1715.458	0.4981	3410.000	3056.667	-	-0.16	0.30
0_15perc	THS2.2_0.225	33	MIP_1_beta	pg/mL	4.8	Satterthwaite	173.333	-320.622	667.289	0.2886	1360.000	1186.667	-	-0.20	0.54
0_15perc	THS2.2_0.225	38	RANTES	ng/mL	0.00046	Satterthwaite	-0.103	-0.280	0.073	0.1651	0.523	0.627	-	0.26	0.78

0_15perc	THS2.2_0.225	39	TIMP_1	ng/mL	0.0061	Satterthwaite	0.067	-1.106	1.239	0.8421	4.233	4.167	-	-0.02	0.07
0_15perc	THS2.2_0.225	40	TNF_alpha	pg/mL	3.7	Satterthwaite	-27.000	-59.788	5.788	0.0721	96.667	123.667	-	0.36	1.14
0_15perc	THS2.2_0.225	41	TNF_beta	pg/mL	2	Satterthwaite	0.333	-0.975	1.642	0.5185	12.667	12.333	-	-0.04	0.29
0_15perc	THS2.2_0.225	42	TNFR2	ng/mL	0.0025	Satterthwaite	-0.040	-0.268	0.188	0.5523	0.723	0.763	-	0.08	0.26
0_15perc	THS2.2_0.225	43	VCAM_1	ng/mL	0.014	Satterthwaite	0.016	-0.005	0.037	0.0926	0.090	0.074	-	-0.28	1.03
0_15perc	THS2.2_0.225	44	VEGF	pg/mL	4.5	Satterthwaite	-11.667	-68.109	44.775	0.5958	331.333	343.000	-	0.05	0.22
0_75perc	THS2.2_2.25	3	B2M	ug/mL	0.000047	Satterthwaite	0.004	0.000	0.009	0.0600	0.029	0.024	-	-0.24	1.22
0_75perc	THS2.2_2.25	4	BDNF	ng/mL	0.014	Satterthwaite	0.004	-0.005	0.012	0.2914	0.063	0.059	-	-0.09	0.54
0_75perc	THS2.2_2.25	6	C3	mg/mL	2E-08	Satterthwaite	0.000	0.000	0.000	0.0746	0.000	0.000	-	-0.24	1.13
0_75perc	THS2.2_2.25	9	FRTN	ng/mL	0.0086	Satterthwaite	0.100	-0.031	0.231	0.1012	1.567	1.467	-	-0.10	0.99
0_75perc	THS2.2_2.25	14	IFN_gamma	pg/mL	0.72	Satterthwaite	1.067	0.299	1.834	0.0241	2.600	1.533	*	**-0.76**	1.62
0_75perc	THS2.2_2.25	16	IL_1_beta	pg/mL	0.64	Satterthwaite	0.267	-0.049	0.583	0.0782	1.533	1.267	-	-0.28	1.11
0_75perc	THS2.2_2.25	25	IL_10	pg/mL	0.56	Satterthwaite	2.367	0.840	3.894	0.0210	4.400	2.033	*	**-1.11**	1.68
0_75perc	THS2.2_2.25	29	IL_17	pg/mL	0.63	Satterthwaite	0.120	-0.369	0.609	0.4745	1.300	1.180	-	-0.14	0.32
0_75perc	THS2.2_2.25	30	IL_18	pg/mL	4	Satterthwaite	3.333	-2.625	9.291	0.1741	19.667	16.333	-	-0.27	0.76
0_75perc	THS2.2_2.25	17	IL_1ra	pg/mL	59	Satterthwaite	65.333	11.261	119.405	0.0313	178.000	112.667	*	**-0.66**	1.50
0_75perc	THS2.2_2.25	19	IL_3	ng/mL	0.0012	Satterthwaite	0.001	0.000	0.002	0.1753	0.003	0.002	-	-0.41	0.76
0_75perc	THS2.2_2.25	20	IL_4	pg/mL	4.4	Satterthwaite	2.667	-1.964	7.297	0.1850	15.000	12.333	-	-0.28	0.73
0_75perc	THS2.2_2.25	22	IL_6	pg/mL	0.76	Satterthwaite	3.967	2.237	5.696	0.0035	8.233	4.267	**	**-0.95**	2.45
0_75perc	THS2.2_2.25	23	IL_7	pg/mL	5.4	Satterthwaite	15.000	1.552	28.448	0.0399	46.667	31.667	*	**-0.56**	1.40
0_75perc	THS2.2_2.25	24	IL_8	pg/mL	0.74	Satterthwaite	836.667	-123.332	1796.665	0.0687	4546.667	3710.000	-	-0.29	1.16
0_75perc	THS2.2_2.25	36	MCP_1	pg/mL	9.5	Satterthwaite	750.667	456.615	1044.718	0.0023	1223.333	472.667	**	**-1.37**	2.64
0_75perc	THS2.2_2.25	32	MIP_1_alpha	pg/mL	4.8	Satterthwaite	863.333	-89.222	1815.888	0.0654	3023.333	2160.000	-	-0.49	1.18
0_75perc	THS2.2_2.25	33	MIP_1_beta	pg/mL	4.8	Satterthwaite	458.000	170.135	745.865	0.0119	1273.333	815.333	*	**-0.64**	1.92
0_75perc	THS2.2_2.25	38	RANTES	ng/mL	0.00046	Satterthwaite	-0.003	-0.266	0.259	0.9687	0.530	0.533	-	0.01	0.01
0_75perc	THS2.2_2.25	39	TIMP_1	ng/mL	0.0061	Satterthwaite	0.833	0.284	1.382	0.0136	4.067	3.233	*	**-0.33**	1.87
0_75perc	THS2.2_2.25	40	TNF_alpha	pg/mL	3.7	Satterthwaite	-385.333	-568.463	-202.203	0.0118	103.333	488.667	*	**2.24**	1.93
0_75perc	THS2.2_2.25	41	TNF_beta	pg/mL	2	Satterthwaite	2.067	-2.647	6.781	0.2751	11.667	9.600	-	-0.28	0.56
0_75perc	THS2.2_2.25	42	TNFR2	ng/mL	0.0025	Satterthwaite	-0.347	-0.468	-0.225	0.0033	0.720	1.067	**	**0.57**	2.48
0_75perc	THS2.2_2.25	43	VCAM_1	ng/mL	0.014	Satterthwaite	0.005	-0.025	0.035	0.5610	0.085	0.080	-	-0.09	0.25
0_75perc	THS2.2_2.25	44	VEGF	pg/mL	4.5	Satterthwaite	79.333	47.602	111.065	0.0026	316.667	237.333	**	**-0.42**	2.58