



Cold Stress Modulates the Phenotype of Lymphocyte Subsets and the Function of Blood Phagocytes in Goats

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Supplementary Table 1:

Total lymphocyte count (cell/ μ l blood)							
Animal ID	Time 1	Time 2	Time 3	Time 4	Time 5	Time 6	Time 7
2704	2549	2725	3146	2343	4216		1903
2706	2709	2653	1977	2465	3200		2717
2713	3668	3066	4523	4482	4014		3595
2714	2356	2599	2273	3139	2184		3331
2717	4450	2694	3230	3185	4641		5073
Percentage of CD4+ T cells of lymphocytes							
Animal ID	Time 1	Time 2	Time 3	Time 4	Time 5	Time 6	Time 7
2704	33	30	33	27	29	18	19
2706	28	34	27	24	24	25	14
2713	10	10	12	10	16	15	11
2714	19	25	20	16	17	15	13
2717	16	19	20	19	22	17	13
Percentage of CD8+ T cells of lymphocytes							
Animal ID	Time 1	Time 2	Time 3	Time 4	Time 5	Time 6	Time 7
2704	19	34	25	26	27	25	37
2706	12	15	14	17	14	15	18
2713	12	16	12	13	15	11	15
2714	6	10	9	13	10	8	18
2717	12	14	15	12	15	13	17

CD4/CD8 ratio							
Animal ID	Time 1	Time 2	Time 3	Time 4	Time 5	Time 6	Time 7
2704	1.7	0.9	1.3	1.0	1.1	0.7	0.5
2706	2.3	2.2	2.0	1.4	1.7	1.7	0.8
2713	0.9	0.6	1.0	0.8	1.1	1.4	0.8
2714	3.1	2.4	2.2	1.3	1.7	1.9	0.8
2717	1.3	1.3	1.3	1.5	1.4	1.3	0.8
Percentage of B cells of lymphocytes							
Animal ID	Time 1	Time 2	Time 3	Time 4	Time 5	Time 6	Time 7
2704	10	6	8	9	8	11	6
2706	7	9	10	11	11	7	4
2713	24	22	22	23	24	17	18
2714	26	18	22	22	21	20	19
2717	33	25	28	28	28	25	25
Percentage of gd T cells of lymphocytes							
Animal ID	Time 1	Time 2	Time 3	Time 4	Time 5	Time 6	Time 7
2704	13	9		15	14	18	18
2706	21	22		25	34	31	36
2713	29	22		25	29	32	26
2714	15	13		10	20	21	16
2717	13	12		12	16	17	14
Percentage of NK cells of lymphocytes							
Animal ID	Time 1	Time 2	Time 3	Time 4	Time 5	Time 6	Time 7
2704	2	3	2	2	2	4	2
2706	2	2	1	3	2	3	3
2713	3	3	1	1	9	2	1
2714	3	4	3	3	8	8	3
2717	7	6	3	3	3	5	4
Absolute number of CD4+ T cells (cell/ μ l blood)							
Animal ID	Time 1	Time 2	Time 3	Time 4	Time 5	Time 6	Time 7
2704	839	822	1047	621	1220		369
2706	760	893	529	591	769		388
2713	369	294	538	466	647		412
2714	453	641	461	515	368		444
2717	705	509	649	599	1008		663
Absolute number of CD8+ T cells (cell/ μ l blood)							
Animal ID	Time 1	Time 2	Time 3	Time 4	Time 5	Time 6	Time 7
2704	493	927	800	604	1148		710
2706	338	399	271	409	457		495
2713	434	501	548	601	584		540
2714	147	269	213	404	212		586
2717	555	379	495	389	707		882
Absolute number of B cells (cell/ μ l blood)							
Animal ID	Time 1	Time 2	Time 3	Time 4	Time 5	Time 6	Time 7
2704	253	156	260	209	340		122
2706	199	231	206	277	337		99
2713	876	670	997	1009	950		661

2714	614	476	507	691	461	644	
2717	1485	662	898	890	1289	1246	
Absolute number of gd T cells (cell/ μl blood)							
Animal ID	Time 1	Time 2	Time 3	Time 4	Time 5	Time 6	Time 7
2704	342	244		341	578		343
2706	574	575		627	1096		973
2713	1073	681		1114	1146		935
2714	350	344		303	428		543
2717	573	323		368	745		700
Absolute number of NK cells (cell/ μl blood)							
Animal ID	Time 1	Time 2	Time 3	Time 4	Time 5	Time 6	Time 7
2704	57	85	48	39	90		34
2706	43	49	26	69	76		86
2713	121	88	54	56	374		52
2714	66	97	72	104	165		103
2717	322	165	105	92	160		200
Expression level (MFI) of CD44 on CD4 T cells							
Animal ID	Time 1	Time 2	Time 3	Time 4	Time 5	Time 6	Time 7
2704		43476	38676	32660	34654	39099	34298
2706		37331	31676	33113	33060	34389	31679
2713		39882	32294	33946	29388	31442	30737
2714		30717	28671	24965	26418	28730	27678
2717		31424	28801	26351	28524	30605	33281
Expression level (MFI) of CD44 on CD8 T cells							
Animal ID	Time 1	Time 2	Time 3	Time 4	Time 5	Time 6	Time 7
2704		17197	20136	13853	16748	14505	10886
2706		22132	16943	15491	18887	19173	9969
2713		10764	13391	9962	15068	12760	10451
2714		21226	16011	14101	17172	15071	10834
2717		13412	14280	12663	15589	18123	11865
Percentage of phagocytic cells within neutrophils							
Animal ID	Time 1	Time 2	Time 3	Time 4	Time 5	Time 6	Time 7
2704		63	65	64	67	70	45
2706		61	66	66	70	71	47
2713		69	63	69	72	74	45
2714		63	60	64	67	61	47
2717		63	55	62	69	72	57
Percentage of phagocytic cells within monocytes							
Animal ID	Time 1	Time 2	Time 3	Time 4	Time 5	Time 6	Time 7
2704		55	53	52	56	56	37
2706		52	56	54	59	53	38
2713		54	48	54	56	54	37
2714		52	50	52	53	54	41
2717		55	46	51	59	60	43