

Table S2 Plasma cytokine concentrations

Cyto-ID	Name	Coix seed					Control				
		Pre		Post		p-value	Pre		Post		p-value
		Mean	SD	Mean	SD		Mean	SD	Mean	SD	
1	IL-5 (pg/mL)	1.583	1.579	1.597	1.845	0.7874	1.518	0.608	1.746	1.114	0.4443
2	IL-13 (pg/mL)	7.43	8.188	7.449	7.737	1.0000	10.051	4.734	10.189	5.268	0.8989
3	IL-2 (pg/mL)	3.386	5.545	3.281	5.124	1.0000	1.573	0.509	1.752	0.703	0.3597
4	IL-6 (pg/mL)	2.841	3.296	2.166	2.214	0.5286	2.565	0.8	6.016	10.461	0.9453
5	IL-9 (pg/mL)	1.989	1.841	1.691	1.696	0.0801	1.83	0.721	1.819	0.853	0.9378
6	IL-10 (pg/mL)	0.54	0.36	0.456	0.318	0.1415	0.666	0.424	0.601	0.266	0.5469
7	IFN- $\gamma$ (pg/mL)	4.59	8.251	4.455	8.021	0.4753	2.407	2.098	2.938	1.766	0.2945
8	TNF- $\alpha$ (pg/mL)	6.792	3.568	2.704	2.673	0.0020 **	9.527	5.652	2.69	2.366	0.0234 *
9	IL-17A (pg/mL)	0.276	0.303	0.298	0.313	0.2719	0.202	0.136	0.375	0.46	0.5294
10	IL-17F (pg/mL)	1.607	2.193	1.58	2.391	0.5281	4.041	6.136	4.351	7.5	0.7422
11	IL-4 (pg/mL)	3.311	5.269	3.223	5.012	0.7893	2.726	2.09	3.31	2.424	0.2012
12	IL-22 (pg/mL)	2.018	4.001	1.135	1.362	0.3096	0.596	0.351	0.728	0.579	0.4925
13	TSLP (pg/mL)	5.104	6.86	4.6	6.239	0.2084	3.947	5.693	4.85	8.226	0.5896
14	IL-1 $\alpha$ (pg/mL)	37.788	42.039	33.276	40.084	0.2049	54.122	45.05	54.111	53.596	0.7422
15	IL-1 $\beta$ (pg/mL)	9.471	12.865	8.272	12.006	0.0801	11.307	14.421	12.887	21.842	0.4002
16	GM-CSF (pg/mL)	3.604	6.894	2.896	6.247	0.0756	7.385	12.616	9.078	18.443	1.0000
17	IFN- $\alpha$ 2 (pg/mL)	8.74	12.596	7.809	11.102	0.4922	13.844	19.107	15.3	25.755	0.6406
18	IL-23 (pg/mL)	17.78	24.769	15.607	22.976	0.1073	7.358	7.568	6.761	7.019	0.7874
19	IL-12p40 (pg/mL)	368.414	435.124	339.762	413.921	0.5566	582.291	797.486	645.626	1027.384	1.0000
20	IL-12p70 (pg/mL)	3.086	7.502	2.851	6.265	1.0000	1.95	3.004	3.336	5.511	0.1057
21	IL-15 (pg/mL)	124.323	144.205	118.526	135.775	0.5896	121.219	126.648	143.787	146.675	0.0935
22	IL-18 (pg/mL)	106.747	32.743	102.621	39.53	0.5165	94.796	32.279	94.53	37.005	0.9642
23	IL-11 (pg/mL)	58.423	64.521	55.387	59.317	0.9442	59.224	58.995	72.305	74.688	0.0346 *
24	IL-27 (pg/mL)	37.651	27.292	34.647	31.864	0.0840	48.172	69.755	66.133	122.266	0.7422
25	IL-33 (pg/mL)	115.561	124.633	102.284	116.863	0.0840	189.766	150.957	200.745	214.557	0.3828
26	sFas (pg/mL)	464.096	173.161	423.123	213.74	0.2671	534.895	327.705	473.541	318.508	0.2297
27	sFasL (pg/mL)	14.202	16.614	13.961	15.812	0.8336	11.919	11.897	9.478	8.781	0.2767
28	Granzyme A (pg/mL)	33.918	43.911	36.228	48.773	0.5566	34.718	19.313	37.095	18.455	0.5469
29	Granzyme B (pg/mL)	442.523	598.019	470.658	608.885	0.1551	361.68	182.342	377.337	242.579	0.6853
30	Perforin (pg/mL)	1160.17	254.821	1089.799	262.711	0.1681	1553.938	568.468	1306.663	310.501	0.1137
31	Granulysin (pg/mL)	1362.035	584.072	1236.16	566.357	0.0177 *	1251.207	353.024	1195.626	278.356	0.3960
32	sCD25 (IL-2Ra)	403.288	192.1	344.777	106.083	0.0371 *	381.585	148.286	390.705	169.936	0.7309
33	4-1BB (pg/mL)	125.825	148.912	120.596	138.492	0.4316	285.12	335.715	288.921	389.214	0.4609
34	sCD27 (pg/mL)	16901.79	5130.348	15185.19	5108.296	0.0087 **	16075.84	4472.859	14340.6	2940.917	0.0645
35	B7.2 (pg/mL)	119.586	31.025	112.681	29.667	0.0497 *	104.954	52.349	104.704	64.895	0.4609
36	TGF- $\beta$ 1(Free Active)	123.96	35.797	140.593	52.455	0.1756	141.769	46.861	156.799	57.856	0.3572
37	CTLA-4 (pg/mL)	3.236	6.265	3.311	5.724	0.1309	6.115	11.253	7.916	16.871	0.9453
38	PD-L1 (pg/mL)	26.335	50.125	24.927	45.844	0.4316	37.905	52.609	42.989	73.065	0.6406
39	PD-L2 (pg/mL)	3409.385	897.79	3100.019	864.241	0.0024 **	3452.927	910.039	3168.057	727.724	0.0422 *
40	PD-1 (pg/mL)	21.876	25.595	20.586	24.29	0.0840	46.585	65.462	52.174	90.362	0.2500
41	Tim-3 (pg/mL)	1135.758	343.528	1069.307	513.495	0.6250	1306.001	496.269	1231.905	602.651	0.3334
42	LAG-3 (pg/mL)	974.04	887.598	858.48	843.609	0.0059 **	1523.65	1782.27	1567.275	2148.765	0.7422
43	Galectin-9 (pg/mL)	20522.77	4604.374	18982.87	4809.372	0.0390 *	21600.66	5630.121	22487.98	7507.335	0.5870
44	IL-8 (pg/mL)	45.01	42.048	23.249	12.161	0.0098 **	51.822	41.884	37.705	49.843	0.0391 *
45	IP-10 (pg/mL)	42.53	15.942	38.008	15.648	0.0730	33.032	11.838	34.54	11.069	0.3637
46	Eotaxin (pg/mL)	26.856	5.633	25.317	5.982	0.0063 **	27.711	9.639	25.637	9.06	0.1025
47	TARC (pg/mL)	160.8	92.081	131.36	50.44	0.0840	100.95	32.591	94.994	37.408	0.3976
48	MCP-1 (pg/mL)	155.256	47.011	146.923	41.755	0.1211	167.1	21.484	143.936	19.07	0.0664
49	RANTES (pg/mL)	1589.879	534.273	1393.553	465.832	0.0488 *	2475.471	1999.592	1363.781	612.868	0.0656
50	MIP-1 $\alpha$ (pg/mL)	46.864	39.994	31.732	25.262	0.0422 *	50.209	42.623	45.774	46.875	0.6726
51	MIG (pg/mL)	9.197	8.165	8.51	10.547	0.4316	8.268	6.223	7.161	3.235	0.5443
52	ENA-78 (pg/mL)	194.579	83.054	188.503	78.765	0.2754	190.644	113.32	188.225	118.503	0.7422
53	MIP-3 $\alpha$ (pg/mL)	7.702	8.796	4.38	4.043	0.1925	5.156	2.784	5.856	4.01	0.2620
54	GRO $\alpha$ (pg/mL)	43.306	11.6	41.594	11.222	0.0268 *	46.075	12.12	44.224	8.499	0.4609
55	I-TAC (pg/mL)	19.15	16.572	16.576	11.955	0.3223	16.787	16.096	19.418	23.161	0.3828
56	MIP-1 $\beta$ (pg/mL)	15.962	6.686	11.808	3.477	0.0208 *	18.446	8.274	14.329	8.97	0.0341 *

\*,  $p < 0.05$ ; \*\*,  $p < 0.01$