



Supporting Information 5

Effect of re-stimulation of spleen cells with BLGn and influence of prior feeding on cytokine production in allergic mice. Isolated spleen cells from allergic mice fed with BLGu or BLGn were stimulated with BLGn to evaluate cytokine production upon allergen encounter. Baseline levels were subtracted. We could not detect significant differences between feeding groups for **(A)** IFN- γ (unpaired t test with Welch correction) or **(B)** IL-10 (unpaired t test). **(C)** IL-4 remained mostly below detection limit of the assay used and did not show any differences (t test with Welch's correction). BLG, beta-lactoglobulin; BLGn, nitrated BLG; BLGu, untreated BLG