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Running title: Effect of cocoa diet on a food allergy rat model

Abbreviations: AB: Applied Biosystems; AR: anaphylactic response; AU: arbitrary units; AUC: area under the curve; β LG: β -lactoglobulin; BN: Brown Norway; CC: conventional cocoa; FA: food allergy; FA-CC: food allergy group fed with a conventional cocoa diet; FA-NFC: food allergy group fed with a non-fermented cocoa diet; FA-RF: food allergy group with a reference diet; Fc ϵ RI: high-affinity IgE receptor; GLP-1: glucagon-like peptide 1; H-RF: healthy group fed with a reference diet; i.p.: intraperitoneal; MLN: mesenteric lymph nodes; NFC: non-fermented cocoa; OVA: ovalbumin; RMCP-II: rat mast cell protease II; RF: reference; tBp: toxin from *Bordetella pertussis*; TGF- β : transforming growth factor- β ; Th: T helper

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