Table 1. Genes Differentially Overexpressed in BS Compared to LFD and HFD

Biological Pathways Involved	Differentially Overexpressed Genes in BS
Signaling by GPCR	Adgre1, Ccl19, Ccl21, Pik3r5
GPCR Downstream Signalling	Adcy7, C3, Ccl19, Ccl21, Pik3r5
GPCR Ligand Binding	Adgre1, Ccl19
Signaling by Rho GTPases	Arhgap30, S100a8, S100a9, Rac2
Adaptive Immune System (IS)	Cd4, Itgal, Itgb2, RT1-Da, Siglec1
Neutrophil Degranulation	Cd53, Cd68, Mmp8, Nfam1, Tnfrsf1b
Chemotaxis and Taxis	Csf3r, Cx3cr1
Innate Immune Response	Cfi, Clec7a, Fgr
Cytokine Signaling in IS	Cd4, Hck, Il10ra, Il21r
Antimicrobial Peptides	Cd4, S100a8, S100a9
Signaling by Interleukins	Cd4, Hck, Il10ra, Il21r
TCR Signaling	Cd4, RT1-Da
Hemostasis	Itgal, Itgb2, Itgb7, Pik3r5, Rac2
Extracellular Matrix Organization	Itgal, Itgb2, Itgb7, Mmp8
Integrin Cell Surface Interactions	Itgal, Itgb2, Itgb7
Regulation of Cell Activation	Clec4d
Regulation of Vesicle-Mediated Transport	Fcgr2b, Fgr
Wound Healing	Clec10a
Leukocyte Differentiation	Clec4d
Developmental Biology	Trem2
Metal Sequestration by Antimicrobial Proteins	S100a8, S100a9
Rhodopsin-like Receptors	Ccl19