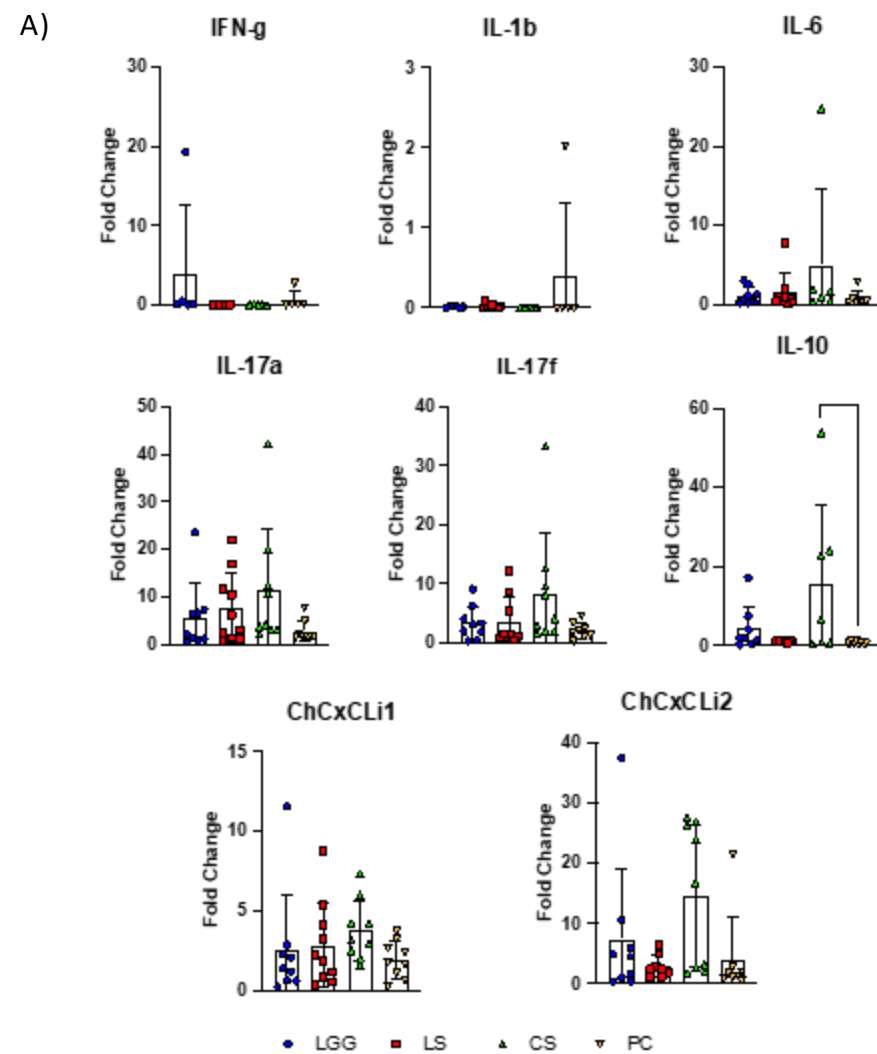
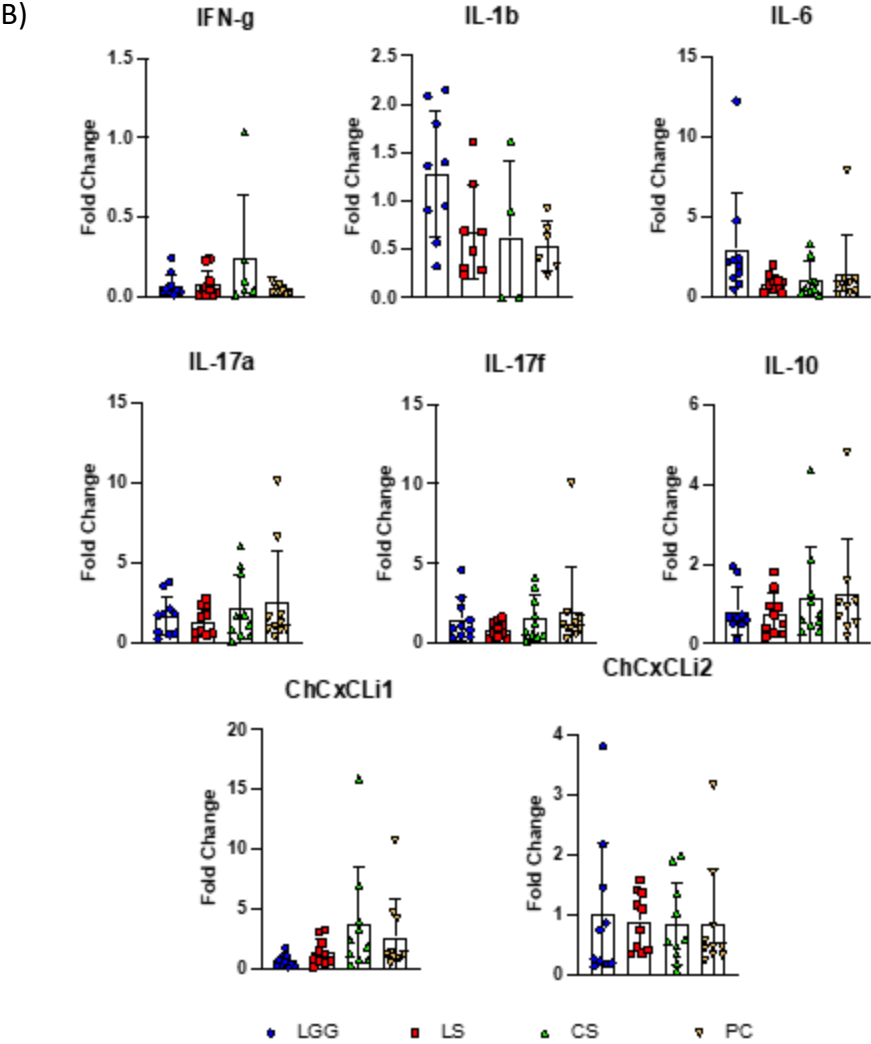


Supplementary Figure 1A

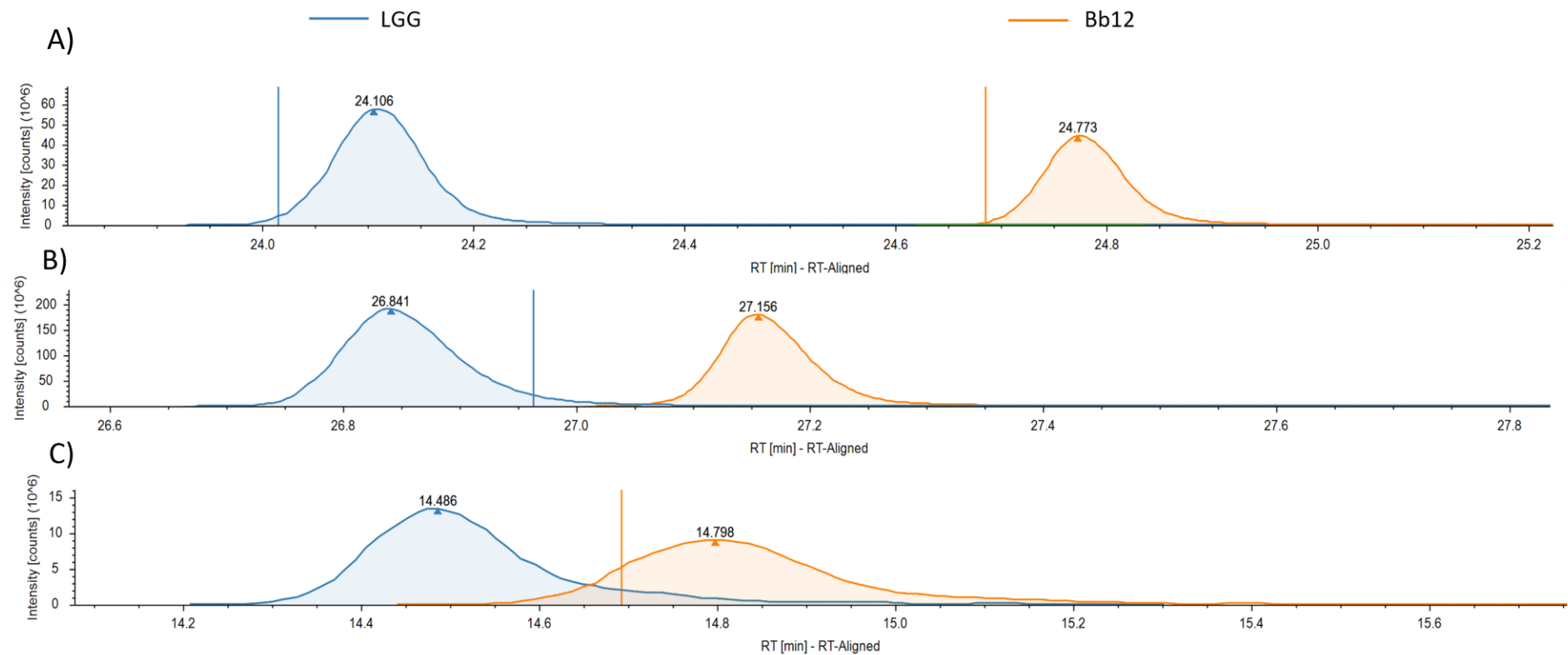


Supplementary Figure 1B



Supplementary Figure 1: Changes in relative expression of the selected chemokine and cytokine immune gene in the cecum tonsils of chickens on 7dpi (A) and 14 dpi (B).

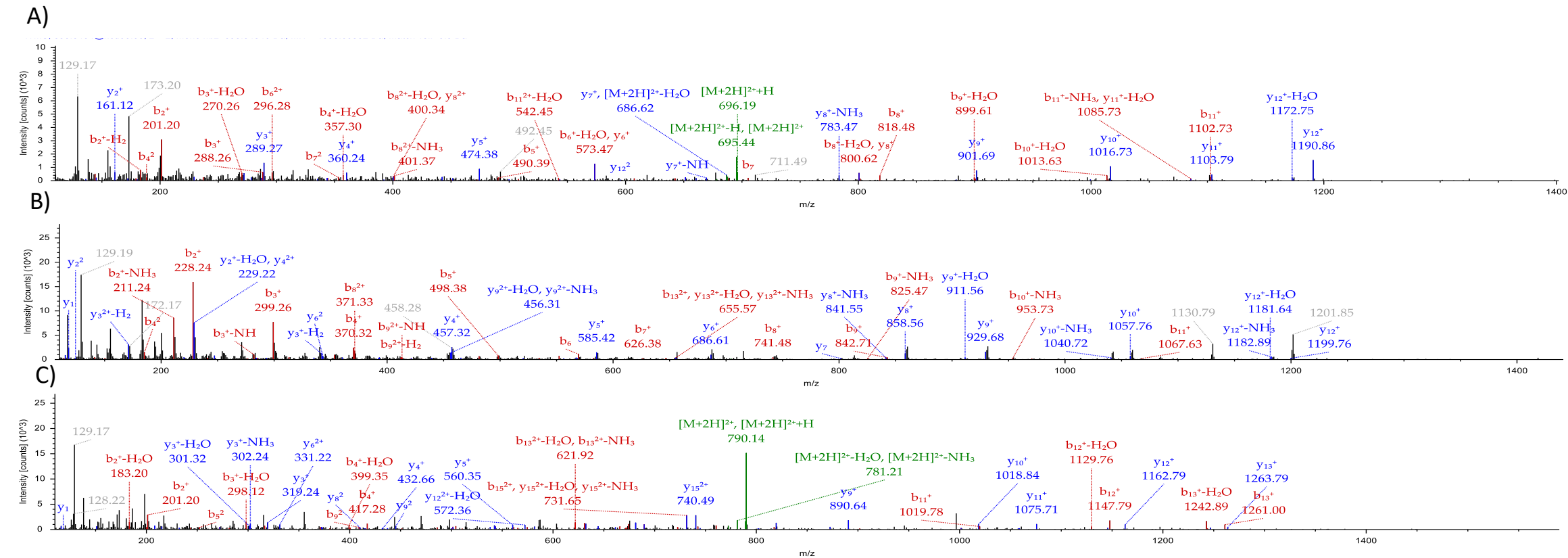
Supplementary Figure 2



A) PN-2: AESSDTNLVNAKAA B) PN-3: VQAAQAGDTKPIEV C)PN-5: VTDTSGKAGTTKISNV

Supplementary Figure 2: LC-MS peaks and retention times of derived peptides that showed growth inhibitory activity against ST A) PN-2: AESSDTNLVNAKAA B) PN-3: VQAAQAGDTKPIEV C) PN-5: VTDTSGKAGTTKISNV.

Supplementary Figure 3



A) PN-2: AESSDTNLVNAKAA B) PN-3: VQAAQAGDTKPIEV C)PN-5:VTDTSGKAGTTKISNV

Supplementary Figure 3: Derived peptides fragmentation peaks used for sequence/ nomenclature. A) PN-2: AESSDTNLVNAKAA B) PN-3: VQAAQAGDTKPIEV C) PN-5: VTDTSGKAGTTKISNV.