**Additional file 1: Table S1: Transcription factor binding analysis of the *IL-7* 2440 A/G (rs7007634)] and amino acid change for the [72194T/C (rs2583759).**

|  |  |  |  |
| --- | --- | --- | --- |
| **Gene** | **SNP** | **Major allele binding factors** | **Minor allele binding factors** |
| *IL-7* | -2440 A/G (rs7007634) | **A**  IRF-3, c-Ets-2, AP-2alphaA, and NF-AT1 | **G**  Elk-1 and C/EBPbeta |
|  |  | **Major allele protein** | **Minor allele protein** |
| *IL-7* | 72194T/C (rs2583759) | **T**  Serine | **C**  Leucine |

*In-silico* transcription factor binding site (TFBSs) analyses were performed on the region encompassing the promoter variant using TRANSFAC to determine potential gain or loss of binding for transcription factors (TFs) due to SNP variation. IRF-3, interferon regulatory transcription factor; c-Ets-2, c-E-twenty six transformation-specific-2; AP-2alphaA, activating enhancer binding protein 2 alpha; NF-AT1, Nuclear Factor of Activated T Cells 1; Elk-1, Early gene expression factor; and C/EBP beta, CCAAT/enhancer-binding protein beta.