

## LIST OF ABBREVIATIONS

|               |  |
|---------------|--|
| ACCP2A        | Anti cyclic citrullinated 2 peptide antibody |
| ACR           | American College of rheumatology             |
| AGT           | Angiotensin gene                             |
| AICD          | Activation induced cell death                |
| AICD          | Arthritis impact measurement scale           |
| APC           | Antigen presenting cell                      |
| CC            | Cysteine containing                          |
| CD            | Crohn's disease                              |
| CDAI          | Clinical disease activity index              |
| CRP           | C- reactive protein                          |
| CTL           | Cytotoxic T lymphocyte                       |
| DC            | Dendritic cell                               |
| ELISA         | Enzyme linked immunosorbent Assay            |
| ESR           | Erythrocyte sedimentation rate               |
| HAQ           | Health assessment questionnaire              |
| HLA           | Human leukocyte antigen                      |
| HIV           | Human immunodeficiency virus                 |
| IFN- $\gamma$ | Interferon gamma                             |

|          |   |
|----------|---|
| Ig       | Immunoglobulin super family               |
| IRAK     | Interleukin-1 receptor-associated kinase  |
| IRF      | Interferon regulatory factors             |
| KIR      | Killer cell immunoglobulin like receptors |
| MHC      | Major Histocompatibility complex          |
| mt-DNA   | Mitochondrial DNA                         |
| M $\phi$ | Macrophage                                |
| MyD88    | Myeloid differentiated protein 88         |
| PAD      | Peptidyl arginine deaminase               |
| PCR      | Polymerase chain reaction                 |
| PS       | Plant specific                            |
| RA       | Rheumatoid arthritis                      |
| RF       | Rheumatoid factor                         |
| RI-like  | Ribonuclease inhibitor-like               |
| SCID     | Severe combined immunodeficiency          |
| SDAI     | Simplified disease activity index         |
| SNP      | Single nucleotide polymorphism            |
| STR      | Short tandem repeats                      |
| TCR      | T cell receptor                           |
| TLR      | Toll like receptor                        |

TNF- $\alpha$

Tumor necrosis factor A

TpLRR

Treponema pallidum LRR

TRAF

Tumor necrosis factor receptor-associated factors