**SUPPLEMENTAL DIGITAL CONTENT 1**

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| **Table S1a.** Laboratory methods and cutoff levels applied for the analyses of autoantibodies, inflammatory markers, and HLA DQ2/DQ8 genotypes in the study. | | | | | | | | |
| **Laboratory parameter (sample)** | | | | **Analysis method** | **Cut-off** | | | **Unit** |
| *Autoantibodies (serum)* | |  | |  |  | | | |
| Anti-mitochondrial antibody, AMA | | | | Indirect immunofluorescence assay | <1:80 | | | Titer |
| Anti-neutrophil cytoplasmic antibody, ANCA | | | | Indirect immunofluorescence assay | <1:20 | | | Titer |
| Anti-nuclear antibody, ANA | | | | Indirect immunofluorescence assay | <1:200 | | | Titer |
| Anti-glutamic acid decarboxylase antibody | | | | ELISA | <10 | | | IU/mL |
| Anti-intrinsic factor antibody | | | | ELISA | <6 | | | IU/mL |
| Anti-parietal cell antibody | | | | Indirect immunofluorescence assay | <1:80 | | | Titer |
| Anti-smooth muscle antibody, SMA | | | | Indirect immunofluorescence assay | <1:80 | | | Titer |
| Anti-thyroglobulin antibody | | | | ELISA | <150 | | | IU/mL |
| Anti-thyroid peroxidase antibody | | | | ECLIA | <75 | | | IU/mL |
| Anti-thyrotropin receptor antibody | | | | Chemiluminescence immunoassay | <1.80 | | | IU/L |
| Tissue transglutaminase IgA | | | | FEIA | <7 | | | U/mL |
| *Inflammatory markers* |  | | |  |  | | | |
| Amyloid A (serum) | | | | ELISA | <11 | mg/L | | |
| Calprotectin (serum) | | | | ELISA | <2300 | ng/mL | | |
| C-reactive protein, CRP (plasma) | | | | Turbidimetric immunoassay | <5 | mg/L | | |
| Orosomucoid (serum) | | | | Nephelometric immunoassay | <1.2 | g/L | | |
| *HLA DQ2/DQ8 genotype (blood)* | | |  |  |  | | | |
| Analyzed alleles in HLA genes DQA1 and DQB1:  DQA1\*02; DQA1\*03;DQA1\*05; DQB1\*02;  DQB1\*0302 | | | | PCR | N/A | | N/A | |
| ECLIA, Electro-chemiluminescence immunoassay; ELISA, enzyme-linked immunosorbent assay; FEAI, fluorimetric enzyme-linked immunoassay; N/A, not applicable; PCR, polymerase chain reaction. | | | | | | | | |

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| **Table S1b.** Laboratory methods employed and their age-specific reference intervals for the analyses of the serum levels of albumin and immunoglobulins, as well as white blood cell counts. | | | | | |
| **Laboratory parameter (sample)** | | **Analysis method** | **Age in years** | **Reference interval** | **Unit** |
| Albumin (serum) | | Turbidimetric immunoassay | All: | 36–50 | g/L |
| *Immunoglobulins (serum)* |  |  |  |  |  |
| Immunoglobulin A | | Nephelometric immunoassay | 5–10:  11–20: | 0.50–2.70  0.70–3.70 | g/L |
|  | |  | >20: | 0.88–4.50 | |
| Immunoglobulin M | | Nephelometric immunoassay | 3–10:  >10: | 0.27–1.50  0.27–2.10 | g/L |
| Immunoglobulin G | | Nephelometric immunoassay | 4–20:  >20: | 6.1–14.5  6.7–14.5 | g/L |
| Immunoglobulin G1 | | Nephelometric immunoassay | 6–9:  10–18: | 3.5–9.1  3.7–9.3 | g/L |
|  | |  | >18: | 2.8–8.0 |  |
| Immunoglobulin G2 | | Nephelometric immunoassay | 6–9:  10–18: | 0.85–3.3  1.0–4.9 | g/L |
|  | |  | >18: | 1.2–5.7 |  |
| Immunoglobulin G3 | | Nephelometric immunoassay | 6–8:  9–18: | 0.20–1.0  0.22–1.2 | g/L |
|  | |  | >18: | 0.24–1.3 |  |
| Immunoglobulin G4 | | Nephelometric immunoassay | 6–8:  9–18: | 0.03–1.6  0.04–2.0 | g/L |
|  | |  | >18: | 0.05–1.3 |  |
| *White blood cell counts* |  |  |  |  |  |
| Total leukocyte count | | Automated optical counting | 7–8:  9–16: | 5.5–14.5  4.5–13.5 | 10E9/L |
|  | |  | 17–18: | 4.5–13.0 |  |
|  | |  | >18: | 3.5–8.8 |  |
| Absolute neutrophil count | | Automated optical counting | 7–10:  11–18: | 1.5–8.0  1.8–8.0 | 10E9/L |
|  | |  | >18: | 1.8–7.5 |  |
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