

1 **SUPPLEMENTARY**  
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 3 **TABLE S1**  
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<b>Table S1: Blood samples</b>		
<b>Lever</b>	<b>Median (IQR)</b>	<b>% placed outside normal reference interval</b>
ALAT F:10–45 U/L M:10-70 U/L	25 (10.0)	F: Low: 0.6; High: 4.4 M: Low: 0.6; High: 4.6
ASAT F: 15-35 U/L M: 15-45 U/L	28 (9.0)	F: Low: 1.9; High: 10.8 M: High: 7.8
Amylase 10-65 U/L	78.5 (17.5)	Low: 2.35 High: 11.1
Alkaline phosphatase 35-105 U/L	74 (31.0)	Low: 10.4 High: 6.5
Bilirubin 5-25 $\mu\text{mol/L}$ / L	10 (6.0)	Low: 1.17 High: 19.1
GGT F: 10-45 U/L M: 10-80 U/L	17 (10.0)	F: Low: 3.2; High: 1.9 M: Low: 0.7; High 0.7
LDH 105 - 205 U/L	146 (28.2)	Low: 19.9 High: 3.2
Haptoglobin 0.35 – 1.85 g/L	0.97 (0.6)	Low: 4.2 High: 5.8
	<b>Mean (SD)</b>	<b>% placed outside normal reference interval</b>
Albumin 36-48 g/L	43.3 (2.9)	Low: 10.6 High: 13.3
Antitrypsin 0.97-1.68 g/L	1.35 (0.3)	Low: 5.11 High: 13.7

<b>Coagulation</b>	<b>Median (IQR)</b>	<b>% placed outside normal reference interval</b>
Antithrombin 0.80-1.20 × 10 <sup>3</sup> int.enh. / L	1.0 (0.1)	Low: 2.1 High: 3.3
INR <1,2	1.1 (0.1)	High: 0.6
Homocystein < 10.0 µmol/L	10.1 (4.7)	High: 2.4
	<b>Mean (SD)</b>	<b>% placed outside normal reference interval</b>
APTT 20-29 s	30.5 (5.2)	Low: 5.9 High: 17.8
<b>Nephrology</b>	<b>Median (IQR)</b>	<b>% placed outside normal reference interval</b>
Creatinine kinase, CK F: 50-150 U/L M: 50-270 U/L	93 (82.0)	F: Low: 18.4; High: 12.0 M: Low: 0.6; High 16.1
Creatinine F: 45-90 µmol/L M: 60-105 µmol/L	68 (15.0)	F: High: 0.6 M: Low: 6.5; High 0.6
Carbamide F: 2.6-6.4 mmol/L M: 3.2 – 8.1 mmol/L	4.5 (1.7)	F: Low: 3.2; High: 1.3 M: Low: 5.8; High: 0.6
Phosphate F: 0.76 – 1.41 mmol/L M: 0.71 – 1.53 mmol/L	1.19 (0.2)	F: High: 6.3 M: High: 3.9
PSA < 3,0 µg/L	0.4 (0.4)	._***
	<b>Mean (SD)</b>	<b>% placed outside normal reference interval</b>
Kalium 3.5 – 4.6 mmol/L	141 (1.7)	Low: 10.9 High: 0.3
Calcium-ion frit 1.18-1.32 mmol/L	1.24 (0.0)	Low: 1.0 High: 0.3

Sodium 137 - 145 mmol/L	1.24 (0.0)	Low: 4.4 High: 20.9
Urate F: 0.16-0.35 mmol/L M: 0.23-0.48 mmol/L	0.311 (0.1)	F: Low: 2.5; High: 4.4 M: Low: 0.6; High: 0.6
<b>Coronary enzymes</b>	<b>Median (IQR)</b>	<b>% placed outside normal reference interval</b>
Troponin ITNI < 24 ng/L	7 (11.5)	High: 1.5
ProBNP No reference level	56.5 (35.8)	-
<b>Vitamins</b>	<b>Median (IQR)</b>	<b>% placed outside normal reference interval</b>
B12 vitamin 200 - 600 pmol/L	351 (162.0)	Low: 5.8 High: 5.1
Folate >8.6 nmol/L	11 (7.5)	Low: 29.7
	<b>Mean (SD)</b>	<b>% placed outside normal reference interval</b>
D-vitamin, P-25-OH-Vitamin D(D3+D2) 50 - 160 nmol/L	64 (42.0)	Low: 31.4 High: 0.3
Jern 9 - 34 µmol/L	16.6 (6.8)	Low: 8.6 High: 1.2
Magnesium 0.70 – 1.10 mmol/L	0.822 (0.1)	Low: 1.6
<b>Haematology</b>	<b>Median (IQR)</b>	<b>% placed outside normal reference interval</b>
Platelets F: 165 - 400 x 10 <sup>9</sup> /L M: 145 - 350 x 10 <sup>9</sup> /L	250 (68.0)	F: Low: 1.2; High: 1.9 M: High: 4.6
Ferritin 13-152 µg/L	38 (41.0)	Low: 11.9 High: 2.3
Erythrocyte vol. Spred. No reference levels.	13 (0.0)	-

Reticulocytes F: 39-139 x 10 <sup>9</sup> /L M: 39-139 x 110 <sup>9</sup> /L	58 (22.0)	F: Low: 12.4 M: Low: 7.1; High 0.6
Eosinophilic >0.5 x 10 <sup>9</sup> /L	0.2 (0.2)	High: 5.6
Basophilic >0.2 x 10 <sup>9</sup> /L	0 (0.1)	High: 33.8
Atypical cells No reference levels	0.1 (0.0)	-
Monocytes 0.2-0.8 x 10 <sup>9</sup> /L	0.4 (0.2)	Low: 0.3 High: 1.2
Neutrophiles 1.6-5.9 x 10 <sup>9</sup> /L	2.99 (1.5)	Low: 1.5 High: 25.4
Transferrin saturation 0.2-0.5	0.24 (0.1)	Low: 33.1 High: 3.2
Transferritin, massek. F: 2.12-3.91 g/L M: 2.12-3.3 g/L	2.66 (0.6)	F: Low: 3.2; High: 3.2 M: Low: 7.1; High: 3.9
CRP < 9 mg/L	0.74 (1.7)	High: 3.7
	<b>Mean (SD)</b>	<b>% placed outside normal reference interval</b>
Haemoglobin F: 7.3 – 9.5 mmol/L M: 8.3 – 10.5 mmol/L	8.62 (0.8)	F: Low: 5.7 M: Low: 3.3
MCV 82-98 fL	85.9 (3.6)	Low: 10.9
Erythrocytter F: 3.94-5.16 x 10 <sup>12</sup> /L M: 4.25-5.71 x 10 <sup>12</sup> /L	4.73 (0.4)	F: Low: 2.5 M: Low: 1.3; High: 0.6
Erythrocytter vol.fr F: 0.35-0.46 M: 0.4-0.5	0.41 (0.1)	F: Low: 3.8 M: Low: 7.8
Lymphocytes 1.0-3.5 x 10 <sup>9</sup> /L	1.91 (0.5)	Low: 0.9 High: 0.3

MCH 1.7-2.1 fmol	1.83 (0.1)	Low: 2.9 High: 0.3
MCHC 19.7-22.2 mmol /L	21.3 (0.6)	Low: 0.3 High: 5.1
Leucocytes 3.5-8.8 x 10 <sup>9</sup> /L	5.8 (2.1)	Low: 1.0 High: 6.1
<b>Sex hormones</b>	<b>Mean (SD)</b>	<b>% placed outside normal reference interval</b>
Prolactin F: 25-600 x 10 <sup>-3</sup> IU/L M: 40-400 x 10 <sup>-3</sup> IU/L	196 (91.5)	F: High: 1.9 M: High: 2.0
Estradiol F: Not normal references for this age group M: > 0.3 nmol/L	0.15 (0.1)	_***
FSH F: Not normal references for this age group M: 1.4-7.5 IU/L	4.05 (3.5)	F: _*** M: Low: 3.3; High: 6.6
Progesteron F: Not normal references for this age group M: 0.7-4.3 nmol/L	1.8 (1.1)	_***
Lutropin, LH F: 1-53 IU/L M: 1-7.5 IU/L	3.9 (2.6)	F: High: 0.6 M: _***
HCG** < 3 IU/L	1 (2.0)	_***
<b>Metabolism</b>	<b>Mean (SD)</b>	<b>% placed outside normal reference interval</b>
Proinsulin 336-4113 pmol/L	427 (222.0)	Low: 27.4
Insulin 20.8 – 173.6 pmol/L	71 (56.0)	Low: 0.6 High: 7.4

Hemoglobin A1c, IFCC < 48 mmol/mol	5.4 (0.6)	High: 0.3
HbA1C, middle glucose < 7.7 mmol/L	32 (3.0)	High: 0.3
Glucose 4.2-6.3 mmol/L	5.1 (0.5)	High: 1.6
Cholesterol, VLDL > 0.9 mmol/L	0.4 (0.2)	High: 2.6
Cholesterol, HDL < 1 mmol/L	1.18 (0.3)	***-
Cholesterol, LDL >3 mmol/L	2 (0.7)	High: 7.0
Cholesterol, total > 5 mmol/L	3.7 (0.8)	High: 2.9
Triglyceride > 2 mmol/L	0.88 (0.5)	High: 3.2
PTH, parathyrin 2-8.5 pmol/L	4.84 (2.5)	Low: 1.0 High: 5.1
TSH, Thyrotropin 0.4-4.8 x 10 <sup>-3</sup> IU/L	1.82 (1.2)	High: 3.6
<b>Immunology and antibodies</b>	<b>Mean (SD)</b>	<b>% placed outside normal reference interval</b>
IgA F: 0.65-3.06 g/L M: 0.63-3.21 g/L	1.49 (1.0)	F: Low: 3.1; High: 2.5 M: Low: 4.5; High: 2.6
IgG F: 7.4-15.6 g/L M: 7.1-15.3 g/L	10 (2.6)	F: Low: 3.8; High: 0.6 M: Low: 5.8; High: 2.6
IgM F: 0.66-2.61 g/L M: 0.5-1.94 g/L	1 (0.6)	F: Low: 8.2; High: 1.3 M: Low: 8.4; High: 2.3

- 5 **TS1 1: Blood samples:** Presentation of blood samples with mean values and number in % of values  
6 placed outside normal reference interval.  
7 :  
8 M=Male, F=Female  
9 \*Samples not collected, haemolysed, or too little material to run the analysis.  
10 \*\*24 probands with positive values.  
11 \*\*\* All values are placed in the normal interval.

12 **TABLE S2**  
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<b>Table S2: Faeces</b>	<b>Median (IQR)</b>	<b>Negative (%)</b>	<b>% placed outside normal reference interval</b>
<b>F-Calprotectin</b> <50: IBD** implausible 50 – 200: Elevated, repetition recommended >200: Elevated, IBD** likely	34 (48.0)	109 (27)	>200: 2.1 50-200: 9.6 <50: 22.0

14 **Table S2:**  
 15 \*Samples not collected or too little material to run the analysis.  
 16 \*\*Inflammatory bowel disease  
 17 or too little material to run the analysis.

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20 **TABLE S3**  
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<b>Table S3: Immunology and antibodies</b>	<b>Median (IQR)</b>
Smith's Antibody	2.0 (2.0)
Sedimentations-reaction, SR	7.0 (3.3)
Cykl.citrul.peptid antibody, CCP	1.0 (1.0)
Sjögrens syndrome A IgG	32.0 (0.0)
Sjögrens syndrome B IgG	1.0 (0.5)
Transglutaminase IgA	2.0 (7.5)
Transglutaminase IgG	1.0 (1.0)
rRNA 2'O-methyltransferase fibrillar-in-anti (IgG)	1.3 (1.0)
Centromer B antibody IgG – CBAIgG	3.2 (1.0)
P-Histidin--tRNA-ligase(Jo 1) -antistof(IgG)	-
P-DNA (dobbel-stranded) -antibody(IgG)	4.9 (4.5)
P-Chromodomain-helicase-DNA-binding protein 4-antibody (IgG)	7.2 (9.0)
P-proliferating nucleus-antibody (IgG)	2.0 (0.0)
P-ACE (Peptidyl dipeptidase A)	51.2 (22.0)
P-Exosome component 10-antibody (IgG)	1.3 (0.3)
P-Connective tissue related disease antibody	0.3 (0.2)
Scleroderma IgG	1.7 (1.0)

P-Ribonucleo protein U1 (70 kDA+A+C) - antibody (IgG)	2.7 (1.0)
P-DNA-directed RNA polymerase III subunit RPC1-antibody (IgG)	3.0 (2.0)
P-Acidic ribosomal protein antibody (IgG)	1.4 (0.3)
Rheuma-factor IgM	20.0 (2.0)

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