

Supplementary Table 1

ID	Age [years]	Gender	Elevated serum IgE	Eczema	Recurrent bacterial skin infections	Recurrent sinusitis/ otitis	Recurrent Pneumonia	Bronchi-ectasis	Muco-cutaneous candidiasis	Other associated skeletal findings	Heterozygous STAT3 mutation
#1	37	female	yes	yes	yes	yes	yes	yes	yes	yes	c.1144C>T; p.R382W
#2	5	male	yes	yes	yes	yes	no	no	yes	yes	c.1144C>T; p.R382W
#3	17	male	yes	yes	yes	yes	yes	yes	yes	yes	c.1145G>A; p.R382Q
#4	12	female	yes	yes	yes	yes	yes	yes	yes	yes	c.1909G>A; p.V637M
#5	32	male	yes	yes	yes	yes	yes	yes	yes	yes	c.1152T>A; p.F348L
#6	16	female	yes	yes	yes	yes	yes	yes	no	no	c.1145G>A; p.R382Q
#7	19	female	yes	yes	yes	yes	yes	yes	no	no	c.2114 A>C; p.Y705C
#8	23	female	yes	yes	yes	yes	yes	yes	no	yes	c.1406A>G; p.Q469R
#9	24	female	yes	yes	yes	yes	yes	no	yes	yes	c.1145G>A; p.R382Q
#10	7	male	yes	yes	no	yes	yes	no	no	yes	c.1145G>A; p.R382Q
#11	9	male	yes	yes	yes	yes	no	no	yes	yes	c.1145G>A; p.R382Q
#12	8	male	yes	yes	yes	yes	yes	no	yes	yes	c.1144C>T; p.R382W
#13	48	male	yes	yes	yes	yes	yes	no	yes	yes	c.1144C>T; p.R382W