

**Supplemental Table S5.** Association of Clinical Characteristics with Duration of GH Treatment Interruption (Years) after 1 Year of Treatment Resumption

| Outcome variable                   | Unadjusted, $\beta$ (95% CI)           | Adjusted, $\beta$ (95% CI) <sup>b</sup> |
|------------------------------------|--|---|
| Body mass index, kg/m <sup>2</sup> | 0.16 (-0.08 to 0.40)                   | -0.03 (-0.34 to 0.27)                   |
| Body mass index Z-score            | 0.06 (-0.03 to 0.14)                   | 0.00 (-0.09 to 0.08)                    |
| IGF-1, $\mu$ g/L                   | -4.23 (-9.90, 1.44)                    | 1.56 (-5.46 to 8.58)                    |
| IGFBP-3, $\mu$ g/L                 | -58.25 (-106.60 to -9.90) <sup>a</sup> | -31.85 (-97.12 to 33.43)                |
| Fasting glucose, mg/dL             | 0.98 (-0.24 to 2.20)                   | 1.19 (-0.43 to 2.81)                    |
| Glycated hemoglobin, %             | 0.02 (-0.02 to 0.07)                   | 0.02 (-0.04 to 0.08)                    |
| Total cholesterol, mg/dL           | 2.73 (0.78 to 4.68) <sup>a</sup>       | 0.98 (-1.59 to 3.55)                    |
| Triglyceride, mg/dL                | 2.24 (-2.79 to 7.27)                   | 2.88 (-3.66 to 9.42)                    |
| HDL cholesterol, mg/dL             | -0.02 (-1.27 to 1.23)                  | 0.06 (-1.58 to 1.69)                    |
| LDL cholesterol, mg/dL             | 1.14 (-1.70 to 3.98)                   | 0.31 (-3.59 to 4.21)                    |
| Non-HDL cholesterol, mg/dL         | 2.15 (-0.77 to 5.08)                   | 0.37 (-3.51 to 4.25)                    |

GH, growth hormone; CI, confidence interval; IGF-1, insulin-like growth factor-1; IGFBP-3, IGF-binding protein-3; HDL, high-density lipoprotein; LDL, low-density lipoprotein.

<sup>a</sup> $P < 0.05$ ; <sup>b</sup>Models were adjusted for age, sex, peak growth hormone levels at re-evaluation for body mass index and body mass index Z-scores; the models were adjusted for age, sex, body mass index Z-scores, and peak GH levels for other parameters.