

Table S1. A stepwise backward method in building the final regression model – steps from 1 to 10.

| Variable | F to remove | p-value to remove | effect |
|---|----------------|-------------------------|--------------|
| STEP 1 | | | |
| Gender | 0.539 | 0.466 | in model |
| Age | 3.081 | 0.084 | in model |
| At least one parent with higher education | 0.405 | 0.527 | in model |
| Mother's working status | 1.438 | 0.235 | in model |
| Father's working status | 0.777 | 0.381 | in model |
| At least one obese parent | 0.522 | 0.473 | in model |
| Place of residence | 1.056 | 0.374 | in model |
| Distance from home to school | 0.008 | 0.992 | to remove |
| Mode of commuting to school | 0.022 | 0.882 | in model |
| At least one parent with moderate or high physical activity level | 0.234 | 0.630 | in model |
| STEP 2 | | | |
| Gender | 0.545 | 0.463 | in model |
| Age | 3.501 | 0.066 | in model |
| At least one parent with higher education | 0.424 | 0.517 | in model |
| Mother's working status | 1.610 | 0.209 | in model |
| Father's working status | 0.789 | 0.378 | in model |
| At least one obese parent | 0.557 | 0.458 | in model |
| Place of residence | 1.100 | 0.356 | in model |
| Distance from home to school | | | out of model |
| Mode of commuting to school | 0.141 | 0.708 | to remove |

| | | | |
|---|-------|-------|--------------|
| At least one parent with moderate or high physical activity level | 0.232 | 0.632 | in model |
| STEP 3 | | | |
| Gender | 0.676 | 0.414 | in model |
| Age | 3.588 | 0.063 | in model |
| At least one parent with higher education | 0.424 | 0.517 | in model |
| Mother's working status | 1.743 | 0.192 | in model |
| Father's working status | 0.825 | 0.367 | in model |
| At least one obese parent | 0.527 | 0.471 | in model |
| Place of residence | 1.260 | 0.296 | in model |
| Distance from home to school | | | out of model |
| Mode of commuting to school | | | out of model |
| At least one parent with moderate or high physical activity level | 0.203 | 0.654 | to remove |
| STEP 4 | | | |
| Gender | 0.645 | 0.425 | in model |
| Age | 4.618 | 0.035 | in model |
| At least one parent with higher education | 0.506 | 0.474 | to remove |
| Mother's working status | 1.881 | 0.175 | in model |
| Father's working status | 0.795 | 0.376 | in model |
| At least one obese parent | 0.652 | 0.422 | in model |
| Place of residence | 1.320 | 0.276 | in model |
| Distance from home to school | | | out of model |
| Mode of commuting to school | | | out of model |
| At least one parent with moderate or high physical activity level | | | out of model |
| STEP 5 | | | |

| | | | |
|---|-------|-------|--------------|
| Gender | 0.983 | 0.325 | in model |
| Age | 4.696 | 0.034 | in model |
| At least one parent with higher education | | | out of model |
| Mother's working status | 2.675 | 0.107 | in model |
| Father's working status | 1.035 | 0.313 | in model |
| At least one obese parent | 0.546 | 0.463 | to remove |
| Place of residence | 1.286 | 0.287 | in model |
| Distance from home to school | | | out of model |
| Mode of commuting to school | | | out of model |
| At least one parent with moderate or high physical activity level | | | out of model |
| STEP 6 | | | |
| Gender | 1.064 | 0.306 | in model |
| Age | 4.420 | 0.039 | in model |
| At least one parent with higher education | | | out of model |
| Mother's working status | 2.657 | 0.108 | in model |
| Father's working status | 0.884 | 0.350 | to remove |
| At least one obese parent | | | out of model |
| Place of residence | 1.318 | 0.276 | in model |
| Distance from home to school | | | out of model |
| Mode of commuting to school | | | out of model |
| At least one parent with moderate or high physical activity level | | | out of model |
| STEP 7 | | | |
| Gender | 1.120 | 0.294 | to remove |
| Age | 4.822 | 0.032 | in model |
| At least one parent with higher education | | | out of model |

| | | | |
|---|-------|-------|--------------|
| Mother's working status | 2.424 | 0.124 | in model |
| Father's working status | | | out of model |
| At least one obese parent | | | out of model |
| Place of residence | 1.322 | 0.274 | in model |
| Distance from home to school | | | out of model |
| Mode of commuting to school | | | out of model |
| At least one parent with moderate or high physical activity level | | | out of model |
| STEP 8 | | | |
| Gender | | | out of model |
| Age | 4.661 | 0.034 | in model |
| At least one parent with higher education | | | out of model |
| Mother's working status | 2.391 | 0.127 | in model |
| Father's working status | | | out of model |
| At least one obese parent | | | out of model |
| Place of residence | 1.065 | 0.370 | to remove |
| Distance from home to school | | | out of model |
| Mode of commuting to school | | | out of model |
| At least one parent with moderate or high physical activity level | | | out of model |
| STEP 9 | | | |
| Gender | | | out of model |
| Age | 4.534 | 0.037 | in model |
| At least one parent with higher education | | | out of model |
| Mother's working status | 3.235 | 0.076 | to remove |
| Father's working status | | | out of model |
| At least one obese parent | | | out of model |
| Place of residence | | | out of model |

| | | | |
|---|-------|-------|--------------|
| Distance from home to school | | | out of model |
| Mode of commuting to school | | | out of model |
| At least one parent with moderate or high physical activity level | | | out of model |
| STEP 10 | | | |
| Gender | | | out of model |
| Age | 4.264 | 0.043 | in model |
| At least one parent with higher education | | | out of model |
| Mother's working status | | | out of model |
| Father's working status | | | out of model |
| At least one obese parent | | | out of model |
| Place of residence | | | out of model |
| Distance from home to school | | | out of model |
| Mode of commuting to school | | | out of model |
| At least one parent with moderate or high physical activity level | | | out of model |