

**Table S1.** Statistical scores for each sample in AT-Ctrl or AT-OB.

	<b>CTR1</b>	<b>CTR2</b>	<b>noCTR1</b>	<b>noCTR2</b>	<b>noCTR3</b>
<b>Number of input reads</b>	4729009	4845249	3630402	3854851	7110689
<b>Average read length</b>	294bp	343bp	307bp	298bp	289bp
<b>Uniquely mapped reads number (%)</b>	3944291 (84.41%)	4212336 (86.94%)	2917407 (80.36%)	3018185 (78.30%)	5412256 (76.11%)
<b>Average depth</b>	1.77196	1.92041	1.34209	1.57603	7.18229

Table shows the information about number of input reads, average read length, uniquely mapped reads number and average depth for each sample. CTR1 and CTR2 are the control samples (AT-Ctrl) while noCTR1, noCTR2 and noCTR3 are the obese samples (AT-OB).