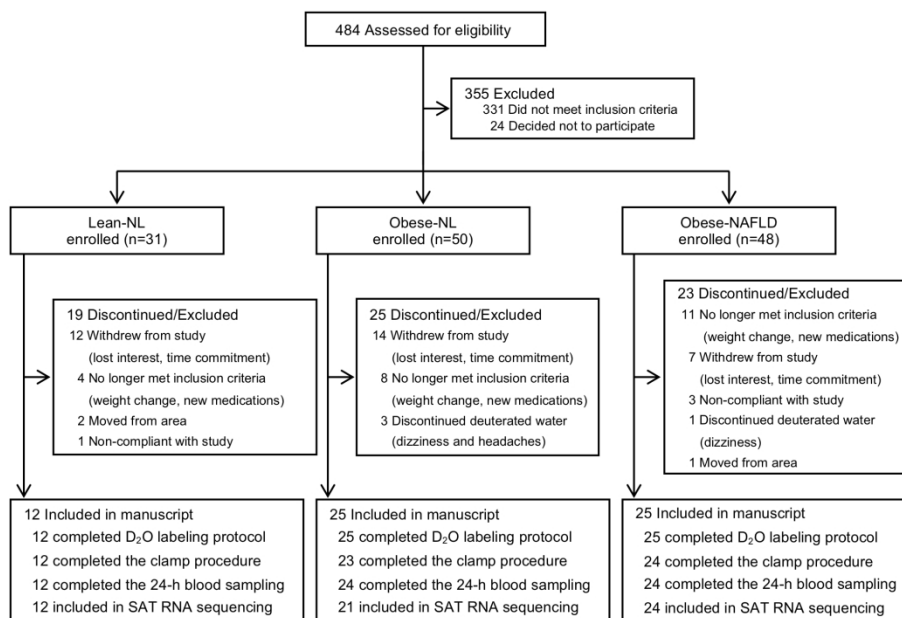**Supplementary Figure 1. Study flow.** Abbreviations: NL=normal oral glucose tolerance and IHTG content; SAT= subcutaneous adipose tissue.
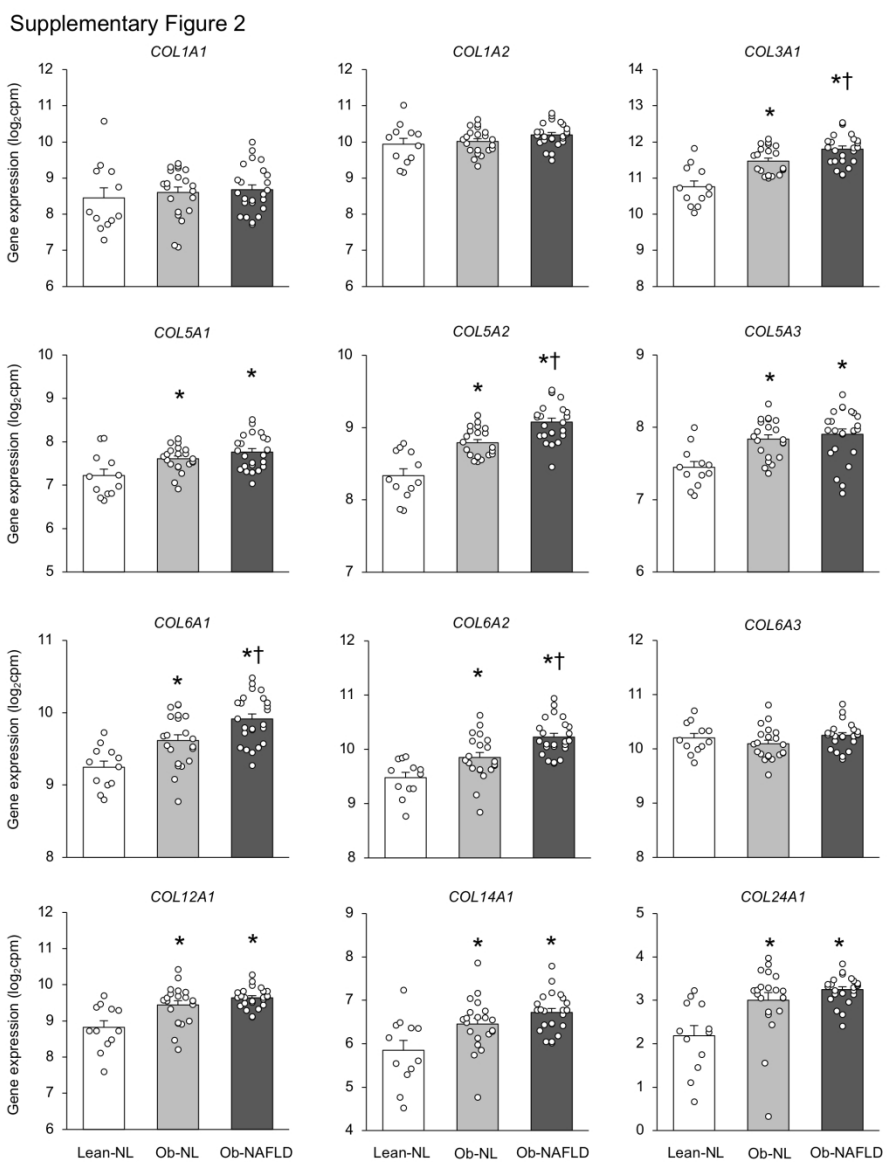
Supplementary Figure 2. Collagen gene expression in subcutaneous adipose tissue is greater in people with obesity and NAFLD. Expression of genes encoding for individual collagen isoforms in subcutaneous abdominal adipose tissue in the Lean-normal (NL; *n*=12), Obese-normal (Ob-NL; *n*=21) and Obese-NAFLD (Ob-NAFLD; *n*=24) groups. Data are means ± SEM. One-way analysis of variance (ANOVA) and Fisher's least significant difference post-hoc testing where appropriate were used to identify significant mean differences between groups. *P<0.05 *vs.* Lean-NL. [†]P<0.05 *vs.* Ob-NL.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60

Supplementary Figure 1

484 Assessed for eligibility

355 Excluded
331 Did not meet inclusion criteria
24 Decided not to participate

Lean-NL
enrolled (n=31)

Obese-NL
enrolled (n=50)

Obese-NAFLD
enrolled (n=48)

19 Discontinued/Excluded
12 Withdrew from study
(lost interest, time commitment)
4 No longer met inclusion criteria
(weight change, new medications)
2 Moved from area
1 Non-compliant with study

25 Discontinued/Excluded
14 Withdrew from study
(lost interest, time commitment)
8 No longer met inclusion criteria
(weight change, new medications)
3 Discontinued deuterated water
(dizziness and headaches)

23 Discontinued/Excluded
11 No longer met inclusion criteria
(weight change, new medications)
7 Withdrew from study
(lost interest, time commitment)
3 Non-compliant with study
1 Discontinued deuterated water
(dizziness)
1 Moved from area

12 Included in manuscript
12 completed D_2O labeling protocol
12 completed the clamp procedure
12 completed the 24-h blood sampling
12 included in SAT RNA sequencing

25 Included in manuscript
25 completed D_2O labeling protocol
23 completed the clamp procedure
24 completed the 24-h blood sampling
21 included in SAT RNA sequencing

25 Included in manuscript
25 completed D_2O labeling protocol
24 completed the clamp procedure
24 completed the 24-h blood sampling
24 included in SAT RNA sequencing

177x228mm (300 x 300 DPI)

Supplementary Figure 2

177x228mm (300 x 300 DPI)