

Figure S1. Workflow of the NGS analysis (Left), and correlation heatmap of the samples analyzed (Right)

S2

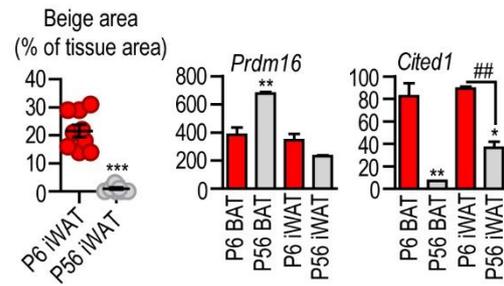


Figure S2. Area of beige adipocyte-rich regions in the iWAT at P6 and P56

Beige adipocyte-rich area was calculated with BeAR© image analysis, using H&E stained sections, as described (Yu et al 2019). *** $p < 0.001$, Student's unpaired, two-tailed t-test
 Relative expression of *Prdm16* and *Cited1*. ** $p < 0.01$, * $p < 0.05$, one-way ANOVA with Dunnett's post hoc test; ## $p < 0.01$ Student's unpaired, two-tailed t-test

Figure S3. Interactive maps of gene networks

Step 1: Download the raw files, or open the interactive gene network files, [using this link](#).

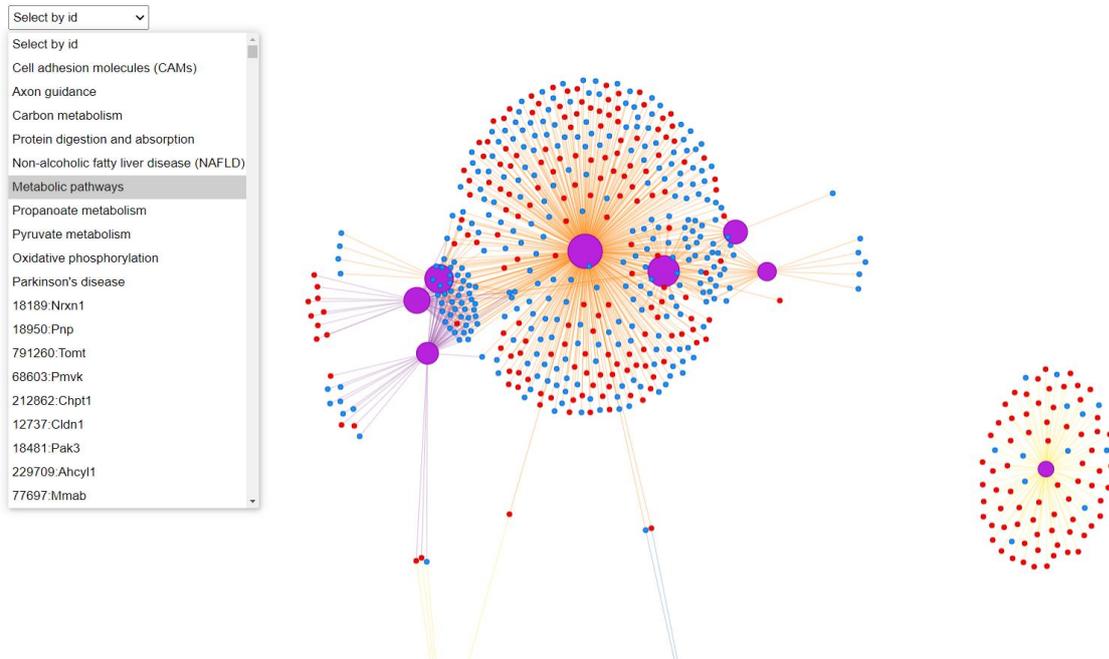
Step 2. Save the files in the following order of library structure:

>	📁	GONetwork	✔ ☆	22.7.21, 21:45	--	Dateiordner	--
>	📁	html_files	✔ ☆	22.7.21, 21:44	--	Dateiordner	--
>	📁	KeggNetwork	✔ ☆	22.7.21, 21:45	--	Dateiordner	--
	🌐	adult_BAT-VS-infant_BAT...	✔ ☆	24.5.19, 06:45	--	Microsoft Edge HT...	189,4 KB
	🌐	adult_WAT-VS-adult_BAT...	✔ ☆	24.5.19, 06:45	--	Microsoft Edge HT...	204,6 KB
	🌐	adult_WAT-VS-infant_BAT...	✔ ☆	24.5.19, 06:44	--	Microsoft Edge HT...	184,9 KB
	🌐	adult_WAT-VS-infant_WAT...	✔ ☆	24.5.19, 06:44	--	Microsoft Edge HT...	148,9 KB
	🌐	adult_WAT-VS-infant_WAT...	✔ ☆	24.5.19, 06:45	--	Microsoft Edge HT...	153,8 KB
	🌐	infant_WAT-VS-infant_BA...	✔ ☆	24.5.19, 06:45	--	Microsoft Edge HT...	170,9 KB

Step 3. Open the interactive map, select the desired GO or cellular process, and the gene or gene network of interest. Examples of network analyses are shown below.

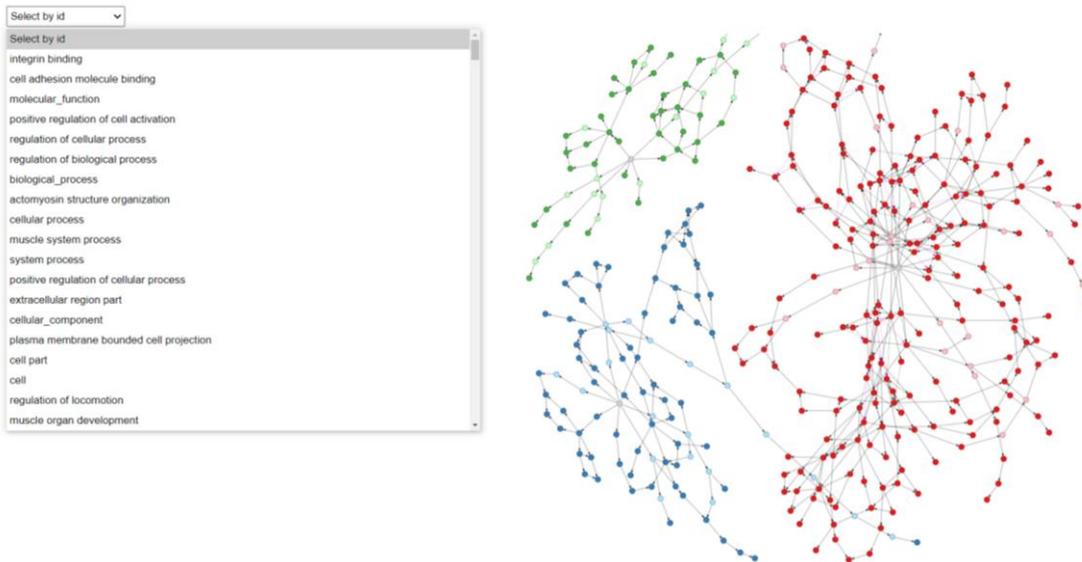
Example 1

Metabolic pathways and their interconnections, with individual gene names



Example 2

KEGG pathway networks



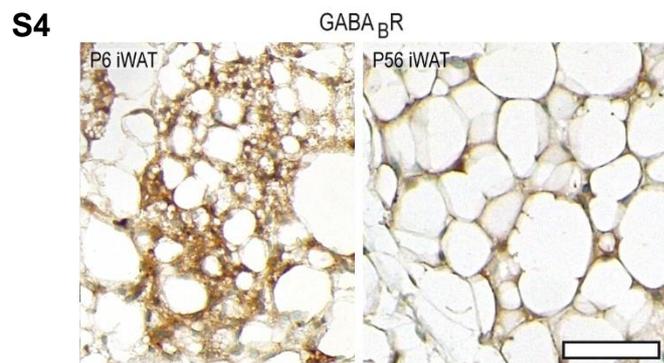


Figure S4. Immunostaining of GABA_BR in P6 and P56 iWAT, scale 50 μ m.

Reference

Yu H, Dilbaz S, Coßmann J, Hoang AC, Diedrich V, et al. 2019. Breast milk alkylglycerols sustain beige adipocytes through adipose tissue macrophages. *The Journal of Clinical Investigation* 129: 2485-99