

**Supplemental Table 4. Levels of key saturated fatty acids in the skin**

<b>Species</b>	<b>Class</b>	<b>wt/wt</b>	<b>wt/SCA34</b>	<b>SCA34/SCA34</b>
24:0	Precursor	8.38 +/- 1.26	10.01 +/- 1.17**	10.8 +/- 0.99***
26:0	VLC-SFA precursor	1.73 +/- 0.12	1.84 +/- 0.18	1.97 +/- 0.20
28:0	VLC-SFA	0.17 +/- 0.01	0.16 +/- 0.03	0.09 +/- 0.02*,#
30:0	VLC-SFA	0.12 +/- 0.02	0.09 +/- 0.01	*0.01 +/- 0.00*,#
28:0+30:0	VLC-SFA	0.29 +/- 0.03	0.25 +/- 0.02	*0.1 +/- 0.01*,#

Data shown as mean +/- standard deviation. Statistical analysis by 1-way ANOVA with Tukey's posthoc test.

\*, differs from wt/wt at level of  $p < 0.05$

\*\* , differs from wt/wt at level of  $p < 0.01$

\*\*\*, differs from wt/wt at level of  $p < 0.001$

#, differs from wt/SCA34 at level of  $p < 0.05$