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**Supplemental Figure S1.** Response in milk fat yield and concentration following abomasal bolus of 15 g/d of *trans*-10, *cis*-12 CLA and *cis*-9, *trans*-11 CLA. Panel A: Milk fat yield (kg/d). Panel B: Milk fat concentration (%). Values are the difference between pre- and post-bolus least square means, error bars represent standard error of the difference (SED), n = 5. Significant differences are shown as: †*P* < 0.10; \**P* < 0. 05; \*\**P* < 0. 01; \*\*\**P* < 0. 001.

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**Supplemental Figure S2.** Response in milk fatty acid concentration by source following abomasal bolus of 15 g/d of *trans*-10, *cis*-12 CLA and *cis*-9, *trans*-11 CLA. Panel A: De novo synthesized FA (<16C FA). Panel B: mixed source origin (C16 FA). Panel C: preformed FA (>C16). Values are the difference between pre- and post-bolus least square means, error bars represent standard error of the difference (SED), n = 5. Significant differences are shown as: †*P* < 0.10; \**P* < 0. 05; \*\**P* < 0. 01; \*\*\**P* < 0. 001.

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**Supplemental Figure S3.** Response in milk fat C14 desaturase index following abomasal bolus of 15 g/d of *trans*-10, *cis*-12 CLA and *cis*-9, *trans*-11 CLA. [C14:1/(C14:0 + C14:1)]. Values are the difference between pre- and post-bolus least square means, error bars represent standard error of the difference (SED), n = 5. Significant differences are shown as: †*P* < 0.10; \**P* < 0. 05; \*\**P* < 0. 01; \*\*\**P* < 0. 001.