

Table 1. Least squares means and standard error of the difference (SED) of methane (CH<sub>4</sub>) production, CH<sub>4</sub> yield, dry matter intake (DMI), liveweight (LW), liveweight gain (LWg), residual feed intake (RFI), and feed conversion efficiency (FCE) for groups of high and low methane estimated breeding value (metEBV) heifers.

|                                  | High metEBV | Low metEBV | SED    | <i>P</i> -value |
|----------------------------------|-------------|------------|--------|-----------------|
| CH <sub>4</sub> production (g/d) | 171.4       | 166.7      | 2.11   | < 0.05          |
| CH <sub>4</sub> yield (g/kgDM/d) | 18.5        | 17.7       | 0.20   | < 0.001         |
| DMI (kg/d)                       | 10.10       | 9.95       | 0.106  | 0.15            |
| LW (kg)                          | 246         | 248        | 1.27   | 0.074           |
| LWg (kg/d)                       | 1.26        | 1.29       | 0.028  | 0.27            |
| RFI (kg DMI/d)                   | -0.01       | 0.06       | 0.075  | 0.42            |
| FCE (kg LW/kg DMI)               | 0.125       | 0.126      | 0.0024 | 0.69            |