**Supplemental Digital Content 3.** Baseline characteristics for all enrolled subjects

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| **Study Group** | **Sequence 1****(*n*=40)** | **Sequence 2****(*n*=40)** | **Overall** | **ANOVA****(p-value)** |
| Sex | Male | 20 | (50%) | 22 | (55%) | 42 | (52.5%) |  |
| Female | 20 | (50%) | 18 | (45%) | 38 | (47.5%) |
| Age (year) | 5.5 | (0.5) | 5.7 | (0.5) | 5.6 | (0.5) | 0.069 |
| Weight (kg) | 17.8 | (2.6) | 18.0 | (3.4) | 17.9 | (3.0) | 0.795 |
| Height (cm) | 109.2 | (6.0) | 109.0 | (6.8) | 109.1 | (6.4) | 0.876 |
| BMI (kg/m2) | 14.5 | (2.8) | 15.1 | (1.9) | 14.8 | (2.4) | 0.324 |
| Body Temperature (°C) | 36.5 | (0.3) | 36.5 | (0.4) | 36.5 | (0.3) | 0.554 |
| Diastolic pressure (mmHg) | 60.3 | (2.3) | 60.0 | (2.0) | 60.1 | (2.2) | 0.493 |
| Systolic pressure (mmHg) | 92.7 | (3.8) | 92.1 | (4.0) | 92.4 | (3.9) | 0.573 |

Mean (SD) or frequency (%)

Sequence 1 = conventional milk followed by milk containing A2 beta-casein only

Sequence 2 = milk containing A2 beta-casein only followed by conventional milk