**Supplementary Table S4.** Milk secretion (g/d) of selected fatty acids of early lactation Holstein and Montbéliarde cows under two low-input production systems.

|  | System 1 | | |  | | Breed 2 | | |  | | *P*–value 3 | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Ext | Semi | | Hols | | Mont | | SEM | | System | Breed | Syst × Breed | Syst × Time | Breed × Time | Syst × Breed × Time | | |
| 10:0 | 16.8 | | 21.0 | |  | | 19.0 | 18.8 | | 1.2 | | < 0.01 | 0.94 | 0.39 | 0.29 | < 0.10 | 0.57 |
|  |  | |  | |  | |  |  | |  | |  |  |  |  |  |  |
| 12:0 | 18.7 | | 24.1 | |  | | 21.4 | 21.5 | | 1.4 | | < 0.01 | 0.97 | 0.50 | 0.18 | 0.13 | 0.61 |
| 14:0 | 68.6 | | 79.0 | |  | | 75.5 | 72.1 | | 3.4 | | 0.02 | 0.42 | 0.37 | 0.40 | 0.52 | 0.27 |
| 15:0 | 8.3 | | 8.6 | |  | | 8.8 | 8.1 | | 0.3 | | 0.52 | 0.10 | 0.51 | 0.42 | 0.17 | 0.52 |
| 16:0 | 201 | | 219 | |  | | 226 | 194 | | 8 | | < 0.10 | < 0.01 | 0.68 | 0.05 | < 0.10 | < 0.05 |
| 17:0 | 7.2 | | 7.3 | |  | | 7.8 | 6.7 | | 0.3 | | 0.89 | < 0.01 | 0.85 | 0.36 | < 0.01 | < 0.05 |
| 18:0 | 103 | | 86 | |  | | 104 | 85 | | 4 | | < 0.01 | 0.001 | < 0.10 | 0.28 | < 0.05 | < 0.05 |
| *cis*-9 18:1 | 218 | | 219 | |  | | 236 | 200 | | 7 | | 0.96 | < 0.001 | 0.92 | 0.55 | 0.31 | < 0.01 |
| *trans-*10 18:1 | 1.1 | | 1.9 | |  | | 1.5 | 1.6 | | 0.1 | | < 0.001 | 0.68 | 0.99 | 0.15 | 0.15 | 0.76 |
| *cis*-9 cis-12 18:2 | 9.9 | | 11.7 | |  | | 11.8 | 9.8 | | 0.4 | | < 0.001 | < 0.001 | 0.79 | 0.24 | 0.05 | 0.49 |
| 18:3n-3 | 7.0 | | 6.7 | |  | | 7.3 | 6.3 | | 0.3 | | 0.39 | < 0.01 | 0.53 | 0.23 | 0.59 | 0.46 |
| ∑ 10:0 to 15:0 | 127 | | 150 | |  | | 142 | 135 | | 7 | | 0.01 | 0.44 | 0.40 | 0.29 | 0.25 | 0.39 |
| ∑ >C16 | 415 | | 403 | |  | | 443 | 376 | | 13 | | 0.48 | < 0.001 | 0.44 | 0.29 | 0.41 | 0.01 |
| 1 Production system, extensive (Ext) and semi-extensive (Semi).  2 Holstein-Friesian (Hols) and Montbéliarde (Mont).  3 Time effect (weeks 2, 3, 5, 8, 12 of lactation) was significant for all variables. | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | |