**Development of equations, based on milk intake, to predict starter feed intake of preweaned dairy calves**

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**Supplementary Table S1** *Summary of liquid and solid feed composition and the range of liquid and starter feed intake of the database used to develop and evaluate models to predict starter feed intake of preweaned dairy calves*

|  |  |  |  |
| --- | --- | --- | --- |
| Author/Year | Composition, g/kg DM | RM, g/L | Intake |
| Liquid Feed |  | Starter Feed | Liquid, L/day |  | Starter, kg/day |
| DM | CP | EE | ME1 |  | DM | CP | EE | NDF | ME1 | Min | Max |  | Min | Max |
| Silva *et al*., (2015) | 114 | 256 | 285 | 4.8 |  | 899 | 191 | 25 | 131 | 3.4 | - | 2.0 | 8.0 |  | 0 | 1.33 |
| Rodrigues *et al.,* (2016) | 124 | 239 | 257 | 4.8 |  | 862 | 193 | 15 | 133 | 3.4 | - | 2.0 | 8.0 |  | 0 | 1.12 |
| Marcondes *et al.,* (2016) | 120 | 263 | 282 | 4.6 |  | 884 | 190 | 23 | 135 | 3.4 | - | 2.8 | 4.9 |  | 0 | 1.07 |
| Dias *et al.,* (2017) | 123 | 258 | 276 | 4.6 |  | 893 | 194 | 19 | 129 | 3.2 | - | 3.1 | 4.1 |  | 0 | 1.44 |
| Jolomba (2015) | 960 | 200 | 160 | 4.1 |  | 890 | 200 | 30 | 150 | 3.4 | 160;180;200 | 8.0 | 12.0 |  | 0 | 1.47 |
| Miller-Cushon *et al.,* (2013a) | 950 | 220 | 180 | 3.9 |  | 957 | 192 | 39 | 173 | 2.9 | 150 | 6.2 | 14.2 |  | 0 | 1.02 |
| Miller-Cushon *et al.,* (2013b) | 950 | 220 | 180 | 3.9 |  | 904 | 211 | 38 | 151 | 2.9 | 150 | 3.7 | 10.0 |  | 0 | 1.28 |
| Overvest *et al.,* (2016) | 950 | 260 | 160 | 4.6 |  | 903 | 209 | 38 | 147 | 2.9 | 150 | 7.3 | 14.1 |  | 0 | 0.43 |

DM = Dry matter; CP = Crude protein; EE = Ether extract; NDF = Neutral fiber detergent; ME = Metabolizable energy; RM = Rate of mixing; Min = Minimum; Max = Maximum

1Mcal/kg DM