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

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**Supplementary Material S1** *General NLMIXED procedure program used to develop models to predict starter feed intake of preweaned dairy calves*

Title ‘Starter Feed Intake (kg/day)’;

PROC NLMIXED DATA=Data\_Intake METHOD=Gauss;

PARMS a=0.1 b=0.0049 c=0.051 d=10.047 e=13.035 s2=0.01 s2e=0.01;

LL = (a \* MI) \* exp [(b \* MI + c) \* (Age - (d \* MI + e))] - (0.125 \* MI) + u;

Model SFI ~ NORMAL (LL, S2);

Random u ~ normal (0, s2e) Subject = Animal;

Run;

Where: MI = milk/milk replacer intake (L/day), SFI = starter feed intake (kg/day).