

1 **Increased take-off level in automatic milking systems – effects on milk flow, milk yield and**  
 2 **milking efficiency on quarter level**

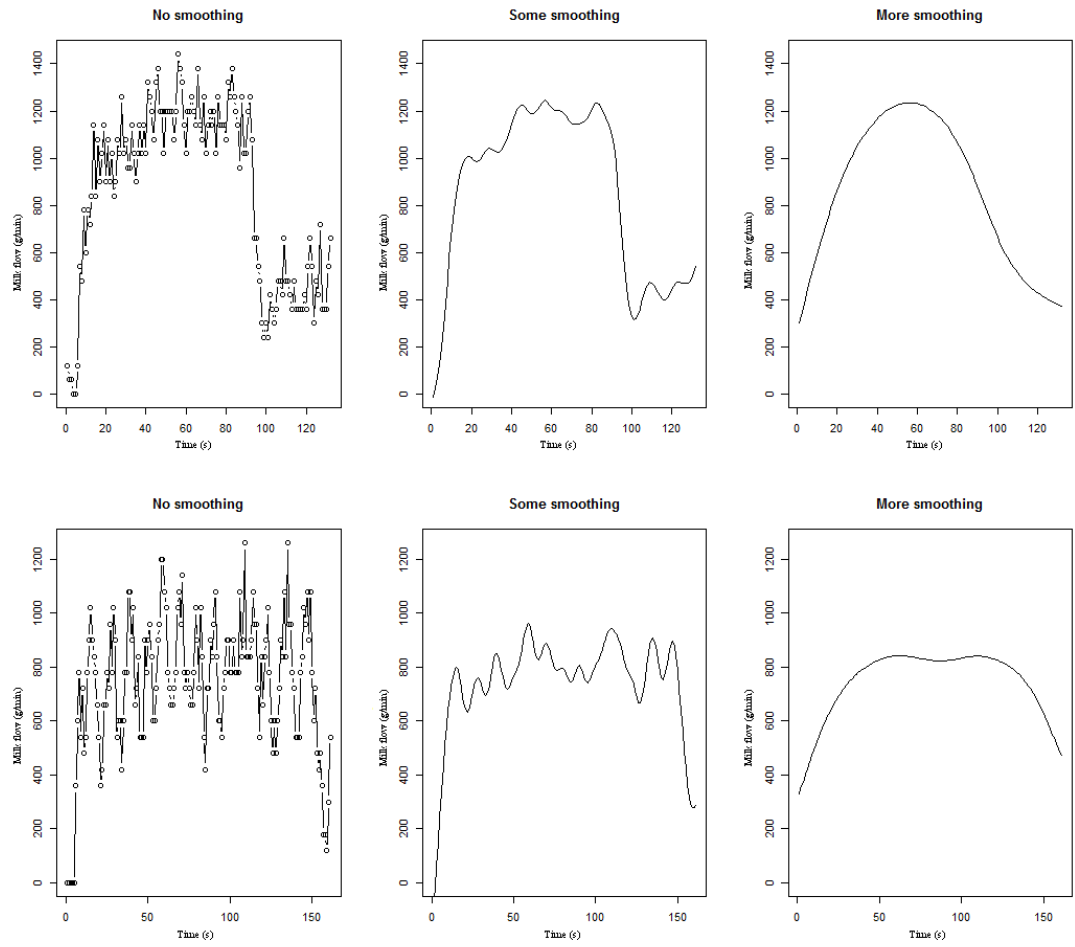
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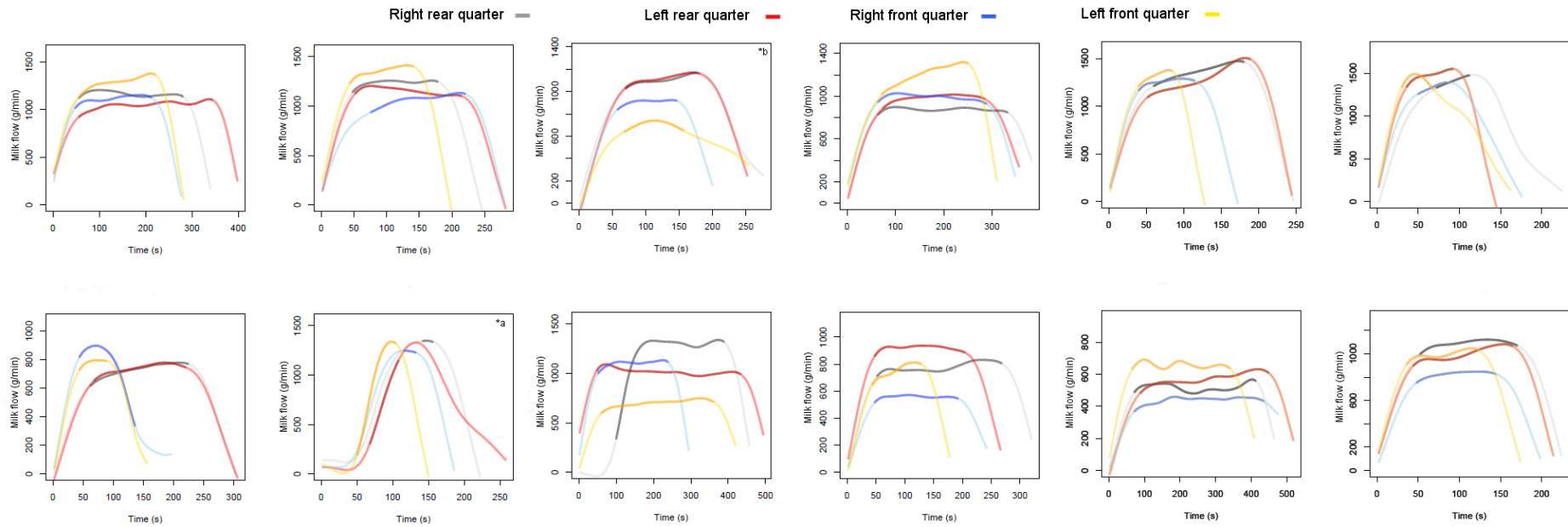
6 **SUPPLEMENTARY FILE**

7 **Table S1.** Total milk yield on udder and quarter level, and in different phases of milking for  
 8 take-off levels 0.06, 0.3 and 0.48 kg/min on quarter level. TO = Take-off level and SEM =  
 9 Standard Error of Means. Superscript letters show significant differences between treatments  
 10 ( $p \leq 0.05$ )

	Treatments				Effects			
	0.06	0.3	0.48	SEM	TO	Quarter	Yield	Yield × TO
<b>Total milk yield (kg)</b>	12.35	12.50	12.05	0.33	=0.30	-	-	-
<b>Quarter milk yield (kg)</b>	3.04	3.04	3.04	0.01	=0.89	<0.001	-	-
<b>Milk yield in increase phase (kg)</b>	0.59	0.58	0.56	0.029	=0.39	<0.001	<0.001	-
<b>Milk yield in plateau phase (kg)</b>	1.74	1.77	1.84	0.068	=0.23	<0.001	<0.001	-
<b>Milk yield in decline phase (kg)</b>	0.74	0.74	0.69	0.043	=0.47	<0.001	<0.001	=0.43



11 **Figure S1.** Milk flow (g/min) curves on quarter level, with different amounts of smoothing.



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13 **Figure S2.** Milk flow curves (g/min) for each individual quarter (grey = right rear; red = left rear; blue = right front; yellow = left front) from one milking for  
 14 different cows. Plateau phases as identified by algorithm are shown in darker colours. As shown in the figure, the flow curves for each individual quarter  
 15 varied substantially between and within udder.

16 \*Figures from one cow for two different milking on the same day; a) morning milking and b) afternoon milking.