

Table S7. Unconditional least square means estimated bacterial counts for different groups of bacteria, in freestall and tiestall farms.

Bacterial group	Status	Freestall		Tiestall	
		Log CFU/g [*]	95% CI	Log CFU/g [*]	95% CI
Total mesophilic flora	Unused	8.1 ^a	7.7, 8.4	7.1 ^b	6.9, 7.3
	Used	9.4 ^c	9.1, 9.8	8.7 ^d	8.5, 8.9
Staphylococci	Unused	5.1 ^a	4.7, 5.6	3.3 ^b	6.0, 3.5
	Used	6.7 ^c	6.3, 7.2	7.0 ^c	6.8, 7.3
Streptococci	Unused	5.1 ^a	4.5, 5.7	3.5 ^b	3.2, 3.8
	Used	6.3 ^c	5.7, 6.9	7.2 ^c	6.8, 7.5
<i>E. coli</i>	Unused	4.5 ^a	4.2, 4.9	2.4 ^b	2.2, 2.6
	Used	5.4 ^c	5.1, 5.8	4.5 ^a	4.3, 4.7
<i>Klebsiella</i> spp.	Unused	4.0 ^a	3.6, 4.5	4.9 ^b	4.7, 5.2
	Used	5.4 ^{b, c}	4.9, 5.8	5.6 ^c	5.3, 5.8

^{*} Least square mean estimate

^{a, b, c, d} For a given bacterial group, estimates within a row or column with different superscripts were considered to be statistically different (P -value < 0.05) after adjusting for multiple comparison using the Tukey-Kramer adjustment.

