Supplement Table S4. Model 3a: Results from binomial general linear mixed model testing the association between inflammation of the mammary gland after calving defined via somatic cell count and different antibiotic dry cow therapy groups in 3,462 cows from 251 dairy farms

	Model 3a output		
Fixed effects	Estimate	SE	P-value[1]
Intercept[a]	-2.245	0.097	<0.001
IMGb[b]	0.790	0.151	<0.001
penicillins	0.271	0.232	0.242
cloxacillin	-0.278	0.163	0.087
cephalosporins	-0.274	0.488	0.575
rifaximin	-0.856	1.038	0.409
IMGb:penicillins	-1.101	0.543	0.043
IMGb:cloxacillin	0.046	0.260	0.861
IMGb:cephalosporins	0.159	0.673	0.813
IMGb:rifaximin	1.280	1.243	0.303
Random effects	Variance	SD	
Herd	0.183	0.428	

[1]Significance was declared at P-values <0.05.
[a]Intercept = inflammation of the mammary gland after calving was the reference category and defined via SCC threshold of >200,000 cells/mL in the first milk recording data after calving.
[b]IMGb = inflammation of the mammary gland before dry-off was defined via SCC threshold of >200,000 cells/mL in the last milk recording data before dry-off.