Algorithmic Classification Model
of Milk Indicators and AMR

Limits: Protein Content > 3 | Fat Content > 3.7 | SCC < 300 | Highlighted in red = out of range

Parametric Selection of Individuals

All 3 parameters out of range (3)

N	Ear Tag Number	Date	Protein Content	Fat Content	SCC	Bacteriological Result	AMR
63	SK000813455876	05.03.2026	2.94	3.35	1039		
271	SK000813863701	05.03.2026	3.00	3.06	686		
402	SK000813863864	05.03.2026	2.80	3.63	2332		

2 parameters out of range (34)

N	Ear Tag Number	Date	Protein Content	Fat Content	SCC	Bacteriological Result	AMR
32	SK000813007410	05.03.2026	3.51	3.58	1082		
48	SK000813863788	05.03.2026	2.85	3.40	139		
49	SK000813036198	07.01.2026	3.27	3.31	579		
54	SK000813661457	05.03.2026	2.78	3.56	59	E coli	Ampicillin, Ampicillin/sulbactam, Cefazolin, Cefuroxime, Aztreonam, Gentamicin, Colistin, Chloramphenicol, Tetracycline
67	SK000813846190	05.03.2026	3.45	3.38	375		
70	SK000813863857	05.03.2026	2.83	3.23	34		
72	SK000812789601	05.03.2026	3.47	3.53	4682		
87	SK000813431929	05.03.2026	2.94	5.23	963		
107	SK000813455814	05.03.2026	2.85	2.98	228		
131	SK000813863856	05.03.2026	2.90	5.91	3675		
154	SK000813007449	05.03.2026	3.43	3.32	1407		
188	SK000813863832	05.03.2026	0.73	0.83	4		
221	SK000813863841	05.03.2026	2.77	3.51	39		
241	SK000813455824	05.03.2026	3.17	3.00	1041	Staphylococcus spp.	Benzylpenicillin
262	SK000813863785	05.03.2026	2.82	3.27	6		
264	SK000813863792	05.03.2026	2.96	4.15	4040		
279	SK000813455811	05.03.2026	2.92	2.78	13	E coli	ampicilín, ampicilín/sulbaktam, cefazolin, cefuroxim, aztreonam, gentamicín, kolistín, chloramfenikol, tetracyklín
305	SK000813287579	05.03.2026	3.62	3.34	462		
306	SK000813455827	05.03.2026	2.98	3.42	15	Staphylococcus spp.	Benzylpenicillin

⚠ 1 parameter out of range (149)

N	Ear Tag Number	Date	Protein Content	Fat Content	SCC	Bacteriological Result	AMR
4	SK000813863836	05.03.2026	2.81	4.50	18		
8	SK000813455765	05.03.2026	3.31	3.66	74		
10	SK000813661309	05.03.2026	3.65	3.63	11		
11	SK000813863859	05.03.2026	3.20	4.44	813		
13	SK000813455756	05.03.2026	3.59	3.33	85		
14	SK000813455725	05.03.2026	3.26	3.98	342		
15	SK000813257581	05.03.2026	3.12	3.58	134		
16	SK000813846156	05.03.2026	3.56	3.45	58		
18	SK000813661446	05.03.2026	3.11	2.97	21	Enterobacter spp.	Ampicillin, Ampicillin/sulbactam, Cefazolin, Cefuroxime, Aztreonam
19	SK000813863740	05.03.2026	3.48	3.69	7		
20	SK000813661459	05.03.2026	3.81	4.27	495		
28	SK000813661499	05.03.2026	3.12	4.23	336		
29	SK000813846150	05.03.2026	3.43	3.35	75		
31	SK000813287646	05.03.2026	3.32	3.56	22	E coli	Ampicillin, Ampicillin/sulbactam, Cefazolin
35	SK000813661418	05.03.2026	3.05	3.12	71	E coli	No resistance detected
37	SK000813661423	05.03.2026	3.39	3.04	44		
38	SK000813036113	05.03.2026	3.05	2.96	56		
42	SK000813036173	05.03.2026	3.81	4.23	362		
44	SK000813863744	05.03.2026	2.92	4.20	11		
47	SK000813661493	05.03.2026	3.38	3.22	12		
53	SK000813287555	05.03.2026	3.31	3.15	159	E coli	Ampicillin, Ampicillin/sulbactam, Cefazolin, Cefuroxime, Aztreonam, Gentamicin, Colistin, Chloramphenicol, Tetracycline, Ceftazidime
56	SK000813455836	05.03.2026	3.41	3.61	12		
61	SK000813863712	05.03.2026	3.16	3.30	12		
65	SK000813846175	05.03.2026	3.44	3.64	27		
71	SK000813431933	05.03.2026	3.79	4.02	470		
73	SK000813661474	05.03.2026	3.20	3.40	16	Entrococcus spp.	No resistance detected
77	SK000813661471	05.03.2026	3.26	3.55	48		
80	SK000813257575	05.03.2026	3.18	3.14	243	Staphylococcus spp.	No resistance detected
82	SK000813863778	05.03.2026	3.38	3.54	19		
86	SK000813431988	05.03.2026	3.73	3.49	149		
88	SK000813661421	05.03.2026	3.24	3.46	24		
93	SK000813661444	05.03.2026	3.46	3.06	10		
94	SK000813661361	05.03.2026	3.71	2.46	18		
96	SK000813455846	05.03.2026	3.40	4.09	499		
100	SK000813846191	05.03.2026	3.73	3.67	21		
101	SK000813661404	05.03.2026	3.52	4.57	1918		

Parametric Selection of Individuals

Displays individuals with problems in **all checked** parameters (AND). | Highlighted in red = out of range

☐ 3 <= Protein Content ☑ 3.7 <= Fat Content ☐ 300 >= SCC ☑ 3 >= AMR count

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N	Ear Tag Number	Date	Protein Content	Fat Content	SCC	Bacteriological Result	AMR
18	SK000813661446	05.03.2026	3.11	2.97	21	Enterobacter spp.	Ampicillin, Ampicillin/sulbactam, Cefazolin, Cefuroxime, Aztreonam
31	SK000813287646	05.03.2026	3.32	3.56	22	E coli	Ampicillin, Ampicillin/sulbactam, Cefazolin
53	SK000813287555	05.03.2026	3.31	3.15	159	E coli	Ampicillin, Ampicillin/sulbactam, Cefazolin, Cefuroxime, Aztreonam, Gentamicin, Colistin, Chloramphenicol, Tetracycline, Ceftazidime
54	SK000813661457	05.03.2026	2.78	3.56	59	E coli	Ampicillin, Ampicillin/sulbactam, Cefazolin, Cefuroxime, Aztreonam, Gentamicin, Colistin, Chloramphenicol, Tetracycline
104	SK000813863820	05.03.2026	3.19	3.28	6	E. coli	Ampicillin, Ampicillin/sulbactam, Cefazolin, Cefuroxime, Aztreonam, Gentamicin, Colistin, Chloramphenicol, Tetracycline
174	SK000813661354	05.03.2026	3.55	3.59	244	E coli / Staphylococcus spp.	Ampicillin, Ampicillin/sulbactam, Cefazolin, Cefuroxime, Aztreonam, Colistin, Chloramphenicol
240	SK000813661412	05.03.2026	3.54	2.76	88	E coli	Ampicillin, Ampicillin/sulbactam, Cefazolin, Cefuroxime, Aztreonam, Gentamicin, Colistin, Chloramphenicol, Tetracycline
279	SK000813455811	05.03.2026	2.92	2.78	13	E coli	ampicilín, ampicilín/sulbaktam, cefazolin, cefuroxim, aztreonam, gentamicín, kolistín, chloramfenikol, tetracyklín
293	SK000813455810	05.03.2026	3.15	3.30	79	E coli	Ampicillin, Ampicillin/sulbactam, Cefazolin, Cefuroxime, Aztreonam, Colistin, Chloramphenicol, Tetracycline
297	SK000813661498	05.03.2026	3.17	3.64	26	Streptococcus spp.	Erythromycin, Clindamycin, Chloramphenicol
363	SK000812789740	05.03.2026	3.17	3.53	6	E coli	Ampicillin, Cefazolin, Cefuroxime, Aztreonam, Colistin, Ceftazidime
382	SK000813455744	05.03.2026	3.46	3.41	14	E coli	Ampicillin, Ampicillin/sulbactam, Cefazolin
412	SK000813455856	05.03.2026	3.48	3.29	1359	E. coli	Ampicillin, Cefazolin, Cefuroxime, Aztreonam, Colistin, Ceftazidime

Parametric Selection of Individuals

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☑ 3 <= Protein Content ☑ 3.7 <= Fat Content ☐ 300 >= SCC ☐ 3 >= AMR count

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N	Ear Tag Number	Date	Protein Content	Fat Content	SCC	Bacteriological Result	AMR
48	SK000813863788	05.03.2026	2.85	3.40	139		
54	SK000813661457	05.03.2026	2.78	3.56	59	E coli	Ampicillin, Ampicillin/sulbactam, Cefazolin, Cefuroxime, Aztreonam, Gentamicin, Colistin, Chloramphenicol, Tetracycline
63	SK000813455876	05.03.2026	2.94	3.35	1039		
70	SK000813863857	05.03.2026	2.83	3.23	34		
107	SK000813455814	05.03.2026	2.85	2.98	228		
188	SK000813863832	05.03.2026	0.73	0.83	4		
221	SK000813863841	05.03.2026	2.77	3.51	39		
262	SK000813863785	05.03.2026	2.82	3.27	6		
271	SK000813863701	05.03.2026	3.00	3.06	686		
279	SK000813455811	05.03.2026	2.92	2.78	13	E coli	ampicilín, ampicilín/sulbaktam, cefazolin, cefuroxim, aztreonam, gentamicín, kolistín, chloramfenikol, tetracyklín
306	SK000813455827	05.03.2026	2.98	3.42	15	Staphylococcus spp.	Benzylpenicillin
310	SK000813455794	05.03.2026	2.96	1.54	121		
349	SK000813661484	05.03.2026	2.82	3.41	19		
355	SK000813863723	05.03.2026	3.00	3.27	42		
356	SK000813863772	05.03.2026	2.87	3.25	41		
381	SK000813661409	05.03.2026	3.00	3.37	8	Streptococcus spp.	No resistance detected
402	SK000813863864	05.03.2026	2.80	3.63	2332		
403	SK000813863817	05.03.2026	2.83	3.53	27		
406	SK000813846186	05.03.2026	2.96	3.46	17		
417	SK000813863861	05.03.2026	2.71	3.69	14		