

Extension Study Project Results
Evaluation software PURE for
***BACGene Salmonella* spp.**

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1 General Information

1.1 Participants

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2 Scope

In order to improve the evaluation for the BACGene *Salmonella* spp. for detection of the respective target organisms, Gold Standard Diagnostics developed an internal evaluation software called PURE.

The BACGene *Salmonella* spp. method for *Salmonella* spp. detection was validated in March 2015 for a broad range of food (Certificate number: EGS 38/01 - 03/15). Two extension studies were performed to extend the scope for: Feed products including pet foods (25 g test portion), environmental samples and pet foods (50 g - 375 g test portion) in May 2015 and Milk powders, infant formula with and without probiotics (50 g - 375 g test portion) in July 2015). The kit certification was renewed for the full scope in 2019. In this context additional data was generated in order to fulfil the requirements of the ISO16140-2 (2016). All experiments were performed at ADRIA Développement. Original results were evaluated using an excel spreadsheet, the BACGene Evaluation Sheet. In November 2019 the evaluation software FastFinder was added to the NF VALIDATION certification scope for BACGene *Salmonella* spp.

The scope of this extension is to add the new internal evaluation software PURE to the scope of all NF VALIDATION certifications for BACGene *Salmonella* spp.

The reference method for this extension study is ISO 11290-1 (May 2017): Microbiology of the food chain - Horizontal method for the detection and enumeration of *Listeria monocytogenes* and of *Listeria* spp.- Part 1: detection method.

3 Re-evaluation of original BACGene *Salmonella* results from the AFNOR accuracy study

3.1 Evaluated data set

All available data from the original validation was re-evaluated using PURE. This included data from samples, which were tested directly after enrichment and after 72 h of storage at 2-8°C. For the Bio-Rad CFX96 Touch a total of 880 datasets was re-evaluated with PURE. A total of 784 datasets was re-evaluated for the Agilent AriaMx. These numbers represent 86% and 91% of the initial data for AriaMX and CFX96, respectively.

3.2 Results AriaMX

Results for all re-evaluated data sets for the AriaMX are summarized in Annex, Tables A1.1 to A1.9. Within this data set, no deviation between the initial scoring of the PCR result and the respective data evaluated with PURE was observed. Consequently, no deviation regarding scoring of agreements between PCR, confirmation and ISO results are observed.

3.3 Results Bio-Rad CFX96

Results for all re-evaluated data sets for the CFX96 are summarized in Annex, Tables C1.1 to C1.9. Within this data set one deviation between the initial scoring of the PCR result and the respective data evaluated with PURE was observed for sample “3795 – incubation time 16+72h”. For this sample, the agreement between PCR and the reference results changed from “NA” to “PD”. For all other samples, the agreements between PCR, confirmation and ISO results remain unchanged.

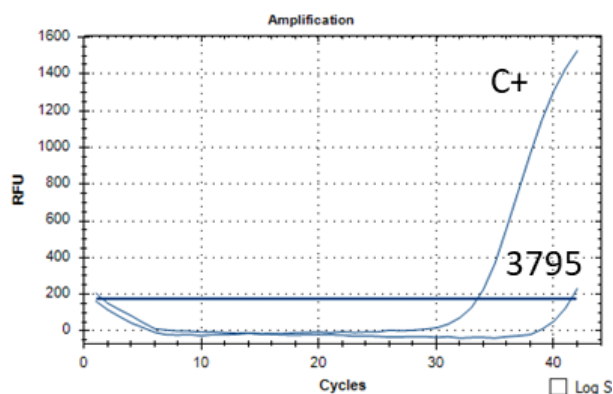
3.4 Discussion of discordant results

The amplification plot of sample “3795 – incubation time 16+72h” is shown below (Figure 1, pos. control signal included as reference), showing a late curve. The curve is characterized with a Cq value of Cq 41.48 and a dR (endpoint fluorescence) value of 231. Both values are just below the defined cut-offs for these two parameters of the initial evaluation criteria of Cq 40.98 and dR 267, respectively, leading to a negative scoring of the PCR result. However, a PCR based amplification can be observed and the sample is now scored positive according to the algorithm applied in PURE.

This sample is coming from the re-test after 72h data set and therefore does not influence calculations of the relative trueness (RT), the sensitivity (SE) and the false positive ratio (FPR) of the alternative method.

The change from “NA” to “PD” does influence the calculation for discordant results in the respective data set for the food category (2 = Milk and dairy products) and type (c = Dairy desserts). The new values are -2 (previously -1) for the category and 0 (previously 1) and the type, respectively, and are within the acceptance limits.

Figure 1: Real-time PCR data for sample 3795 on the CFX96



4 Re-evaluation of original BACGene *Salmonella* results from the AFNOR RLOD study

4.1 Evaluated data set

For the RLOD study 9 matrices were originally analyzed: Ground beef (25 g), liquid egg (25 mL), frozen spinach (25 g), frozen fish fillet (25 g), raw milk (25 g), pâté for dog (375 g), pellets for dogs (25 g), process water (25 mL) and infant formula milk powder with probiotics (375 g).

A total of 270 datasets was re-evaluated with PURE for the Agilent AriaMx and the Bio-Rad CFX96 Touch Standard, which represents 100% of the data sets.

4.2 Results AriaMX

Results for all re-evaluated data sets for the AriaMX are summarized in Annex, Tables A2.1 to A2.9. Within this data set, no deviation between the initial scoring of the PCR result and the respective data evaluated with PURE was observed.

In table A2.6, sample 1589 from the data set "Feed including pet food (25g)" deviates from the confirmation result (positive PCR scoring, confirmation negative).

Further analyses revealed that the PCR for this sample was repeated in frame of the initial validation. The first PCR of this sample, which was used in the re-evaluation with PURE, was scored positive. The corresponding repetitions yielded negative PCR results and consequently, the scoring in the report for this sample was negative. The raw data of the negative repetitions was not available for re-evaluation with PURE.

Therefore, the PURE result for the initial PCR of sample 1589 is equal to the old evaluation and the observed deviation is due to missing data available for re-evaluation with PURE.

4.3 Results CFX96

Results for all re-evaluated data sets for the CFX96 are summarized in Annex, Tables C2.1 to C2.9. Within this data set, no deviation between the initial scoring of the PCR result and the respective data evaluated with PURE was observed. In table C2.6, sample 1598 from the data set "Feed including pet food (25g)" deviates from the confirmation result (positive PCR scoring, confirmation negative).

As described above, further analyses revealed that the PCR for this sample was repeated in frame of the initial validation. The first PCR of this sample, which was used in the re-evaluation with PURE, was scored positive. The corresponding repetitions yielded negative PCR results and consequently, the scoring in the report for this sample was negative. The raw data of the negative repetitions was not available for re-evaluation with PURE.

Therefore, the PURE result for the initial PCR of sample 1598 is equal to the old evaluation and the observed deviation is due to missing data available for re-evaluation with PURE.

5 Re-evaluation of original *BACGene Salmonella* results from the AFNOR inclusivity / exclusivity study

5.1 Evaluated data set

For the original study, 100 *Salmonella* strains were cultivated at two different incubation conditions (37°C for 16h and 41.5°C for 18h), as well as 30 non-*Salmonella* strains were analysed. Original data from both real-time cyclers for all inclusivity strains incubated at 37°C for 16h, as well as all exclusivity strains was re-evaluated with PURE. Original run files with inclusivity data of strains, which were cultivated with the second enrichment condition (41.5°C for 18h), are not available for re-evaluation with PURE.

5.2 Results

Results for all re-evaluated data sets for the AriaMX and CFX96 are summarized in Annex Tables I (inclusivity) and E (exclusivity). Within this data set, no deviation between the initial scoring of the PCR result and the respective data evaluated with PURE was observed.

6 Conclusion

The aim of this study was to show that data evaluation of *BACGene Salmonella* real-time PCR results with the PURE software solution does not affect the performance parameters of the method as previously validated and certified (EGS 38/01–03/15).

In total, 1,564 PCR result from both cyclers and across all performed experiments were re-evaluated with the PURE software solution. Comparison of the final PCR result of the initial data evaluation with the new data set from PURE, showed only one different final result (see 3.3) leading to a difference of 0.06%. Due to the different algorithms applied in both evaluation approaches, such differences cannot be excluded for samples with scoring-relevant values in the range of applied cut-offs. However, the observed deviation did not lead to negative impact on the overall performance parameters of the method regarding relative trueness (RT), the sensitivity (SE), false positive ratio (FPR) of the alternative method or the risk of generating a false-negative result.

The results of this study show, that data evaluation of *BACGene Salmonella* real-time PCR results with PURE fulfils all relevant requirements and can be included in the scope of EGS 38/01–03/15.

7 Annex

Note: In all following tables, agreements between the scoring of the initial PCR result and data re-evaluated with PURE are highlighted in green, while deviations are highlighted in orange.

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Meat and meat products	Fresh and frozen meat	3315	16h	positive	positive	positive	positive	PA	PA
		3315	16+72h	positive	positive	positive	positive	PA	PA
		3316	16h	positive	positive	positive	positive	PA	PA
		3316	16+72h	positive	positive	positive	positive	PA	PA
		3317	16h	positive	positive	positive	positive	PA	PA
		3317	16+72h	positive	positive	positive	positive	PA	PA
		3318	16h	negative	negative	negative	negative	NA	NA
		3319	16h	positive	positive	positive	positive	PA	PA
		3319	16+72h	positive	positive	positive	positive	PA	PA
		3320	16h	positive	positive	positive	positive	PA	PA
		3320	16+72h	positive	positive	positive	positive	PA	PA
		3321	16h	positive	positive	positive	positive	PA	PA
		3321	16+72h	positive	positive	positive	positive	PA	PA
		3322	16h	positive	positive	positive	positive	PA	PA
		3322	16+72h	positive	positive	positive	positive	PA	PA
		3323	16h	negative	negative	negative	negative	NA	NA
		3324	16h	positive	positive	positive	positive	PA	PA
		3324	16+72h	positive	positive	positive	positive	PA	PA
		3326	16h	positive	positive	positive	positive	PA	PA
		3326	16+72h	positive	positive	positive	positive	PA	PA
		3327	16h	positive	positive	positive	positive	PA	PA
		3327	16+72h	positive	positive	positive	positive	PA	PA
		3328	16h	negative	negative	negative	negative	NA	NA
		3329	16h	positive	positive	positive	positive	PA	PA
		3329	16+72h	positive	positive	positive	positive	PA	PA
		3330	16h	positive	positive	positive	positive	PA	PA
		3330	16+72h	positive	positive	positive	positive	PA	PA
		3331	16h	negative	negative	negative	negative	NA	NA
		3332	16h	positive	positive	positive	positive	PA	PA
		3332	16+72h	positive	positive	positive	positive	PA	PA
		3386	16h	negative	negative	negative	negative	NA	NA
		3387	16h	negative	negative	negative	negative	NA	NA
		3388	16h	negative	negative	negative	negative	NA	NA
	3389	16h	negative	negative	negative	negative	NA	NA	
	3390	16h	negative	negative	negative	negative	NA	NA	
	3391	16h	negative	negative	negative	negative	NA	NA	
	4406	16h	positive	positive	positive	positive	PA	PA	
	4406	16+72h	positive	positive	positive	positive	PA	PA	
	4407	16h	positive	positive	positive	positive	PA	PA	
	4407	16+72h	positive	positive	positive	positive	PA	PA	
	4408	16h	negative	negative	negative	negative	PPNA	PPNA	
	4408	16+72h	negative	negative	negative	negative	NA	NA	
	4409	16h	positive	positive	positive	positive	PA	PA	
	4409	16+72h	positive	positive	positive	positive	PA	PA	
3325	RTE, RTRH, RTC	3325	16h	positive	positive	positive	positive	PA	PA
3325		3325	16+72h	positive	positive	positive	positive	PA	PA
3376		3376	16h	positive	positive	positive	positive	PA	PA
3376		3376	16+72h	positive	positive	positive	positive	PA	PA
3377		3377	16h	positive	positive	positive	positive	PA	PA
3377		3377	16+72h	positive	positive	positive	positive	PA	PA
3378	3378	16h	positive	positive	positive	positive	PA	PA	

Table A1.1 (continued) Sensitivity data BACGene Salmonella AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	initial PCR result	PCR result PURE	Agreement (initial)	Agreement (PURE)
Meat and meat products	RTE, RTRH, RTC	3378	16+72h	positive	positive	positive	positive	PA	PA
		3379	16h	positive	positive	positive	positive	PA	PA
		3379	16+72h	positive	positive	positive	positive	PA	PA
		3380	16h	positive	positive	positive	positive	PA	PA
		3380	16+72h	positive	positive	positive	positive	PA	PA
		3381	16h	positive	positive	positive	positive	PA	PA
		3381	16+72h	positive	positive	positive	positive	PA	PA
		3382	16h	positive	positive	positive	positive	PA	PA
		3382	16+72h	positive	positive	positive	positive	PA	PA
		3383	16h	positive	positive	positive	positive	PA	PA
		3383	16+72h	positive	positive	positive	positive	PA	PA
		3384	16h	positive	positive	positive	positive	PA	PA
		3384	16+72h	positive	positive	positive	positive	PA	PA
		3385	16h	positive	positive	positive	positive	PA	PA
		3385	16+72h	positive	positive	positive	positive	PA	PA
		3392	16h	negative	negative	negative	negative	NA	NA
		3393	16h	negative	negative	negative	negative	NA	NA
		3394	16h	negative	negative	negative	negative	NA	NA
		3395	16h	negative	negative	negative	negative	NA	NA
		3396	16h	negative	negative	negative	negative	NA	NA
	3397	16h	negative	negative	negative	negative	NA	NA	
	3398	16h	negative	negative	negative	negative	NA	NA	
	3399	16h	negative	negative	negative	negative	NA	NA	
	3400	16h	negative	negative	negative	negative	NA	NA	
	3401	16h	negative	negative	negative	negative	NA	NA	
	3404	16h	negative	negative	negative	negative	NA	NA	
	3457	16h	positive	positive	positive	positive	PA	PA	
	3457	16+72h	positive	positive	positive	positive	PA	PA	
	3277	16h	positive	positive	positive	positive	PA	PA	
	3277	16+72h	positive	positive	positive	positive	PA	PA	
	3278	16h	positive	positive	positive	positive	PA	PA	
	3278	16+72h	positive	positive	positive	positive	PA	PA	
	3279	16h	positive	positive	positive	positive	PA	PA	
	3279	16+72h	positive	positive	positive	positive	PA	PA	
	3280	16h	negative	negative	negative	negative	NA	NA	
	3333	16h	positive	positive	positive	positive	PA	PA	
	3333	16+72h	positive	positive	positive	positive	PA	PA	
	3334	16h	positive	positive	positive	positive	PA	PA	
	3334	16+72h	positive	positive	positive	positive	PA	PA	
	3335	16h	negative	negative	negative	negative	NA	NA	
3402	16h	negative	negative	negative	negative	NA	NA		
3403	16h	negative	negative	negative	negative	NA	NA		
3451	16h	positive	positive	positive	positive	PA	PA		
3451	16+72h	positive	positive	positive	positive	PA	PA		
3452	16h	positive	positive	positive	positive	PA	PA		
3452	16+72h	positive	positive	positive	positive	PA	PA		
3594	16h	negative	negative	negative	negative	NA	NA		
3595	16h	negative	negative	negative	negative	NA	NA		
3596	16h	negative	negative	negative	negative	NA	NA		
3597	16h	negative	negative	negative	negative	NA	NA		
3598	16h	negative	negative	negative	negative	NA	NA		
	Delicatessen	3277	16h	positive	positive	positive	positive	PA	PA
		3277	16+72h	positive	positive	positive	positive	PA	PA
		3278	16h	positive	positive	positive	positive	PA	PA
		3278	16+72h	positive	positive	positive	positive	PA	PA
		3279	16h	positive	positive	positive	positive	PA	PA
		3279	16+72h	positive	positive	positive	positive	PA	PA
		3280	16h	negative	negative	negative	negative	NA	NA
		3333	16h	positive	positive	positive	positive	PA	PA
		3333	16+72h	positive	positive	positive	positive	PA	PA
		3334	16h	positive	positive	positive	positive	PA	PA
		3334	16+72h	positive	positive	positive	positive	PA	PA
		3335	16h	negative	negative	negative	negative	NA	NA
		3402	16h	negative	negative	negative	negative	NA	NA
		3403	16h	negative	negative	negative	negative	NA	NA
		3451	16h	positive	positive	positive	positive	PA	PA
		3451	16+72h	positive	positive	positive	positive	PA	PA
	3452	16h	positive	positive	positive	positive	PA	PA	
	3452	16+72h	positive	positive	positive	positive	PA	PA	
	3594	16h	negative	negative	negative	negative	NA	NA	
	3595	16h	negative	negative	negative	negative	NA	NA	
	3596	16h	negative	negative	negative	negative	NA	NA	
	3597	16h	negative	negative	negative	negative	NA	NA	
	3598	16h	negative	negative	negative	negative	NA	NA	

Table A1.2 Sensitivity data BACGene Salmonella AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)
Milk and dairy products	Raw milk, fermented milk and cheese	3732	16h	positive	negative	negative	negative	ND	ND
		3732	16+72h	positive	negative	negative	negative	ND	ND
		3733	16h	positive	positive	positive	positive	PA	PA
		3733	16+72h	positive	positive	positive	positive	PA	PA
		3734	16h	positive	positive	positive	positive	PA	PA
		3734	16+72h	positive	positive	positive	positive	PA	PA
		3735	16h	positive	positive	positive	positive	PA	PA
		3735	16+72h	positive	positive	positive	positive	PA	PA
		3736	16h	negative	positive	positive	positive	PD	PD
		3736	16+72h	negative	positive	positive	positive	PD	PD
		3737	16h	positive	positive	positive	positive	PA	PA
		3737	16+72h	positive	positive	positive	positive	PA	PA
		3749	16h	positive	positive	positive	positive	PA	PA
		3749	16+72h	positive	positive	positive	positive	PA	PA
		3750	16h	negative	positive	positive	positive	PD	PD
		3750	16+72h	negative	positive	positive	positive	PD	PD
		3751	16h	positive	positive	positive	positive	PA	PA
		3751	16+72h	positive	positive	positive	positive	PA	PA
		3752	16h	positive	positive	positive	positive	PA	PA
		3752	16+72h	positive	positive	positive	positive	PA	PA
		3785	16h	negative	negative	negative	negative	NA	NA
		3786	16h	negative	negative	negative	negative	NA	NA
		3787	16h	negative	negative	negative	negative	NA	NA
		3788	16h	positive	positive	positive	positive	PA	PA
		3788	16+72h	positive	positive	positive	positive	PA	PA
		4598	16h	negative	negative	negative	negative	NA	NA
		4599	16h	negative	negative	negative	negative	NA	NA
		4599	16+72h	negative	negative	negative	negative	NA	NA
		4600	16h	negative	positive	positive	positive	PD	PD
		4600	16+72h	negative	positive	positive	positive	PD	PD
		4601	16h	negative	negative	negative	negative	PPNA	PPNA
		4601	16+72h	negative	negative	negative	negative	NA	NA
		4602	16h	negative	negative	negative	negative	NA	NA
		4603	16h	negative	negative	negative	negative	NA	NA
	4603	16+72h	negative	negative	negative	negative	NA	NA	
	4604	16h	negative	positive	positive	negative	NA	NA	
	4604	16+72h	negative	positive	negative	negative	NA	NA	
	4605	16h	negative	negative	negative	negative	NA	NA	
	4606	16h	negative	negative	negative	negative	NA	NA	
	4607	16h	negative	negative	negative	negative	NA	NA	
	4607	16+72h	negative	negative	negative	negative	NA	NA	
	4608	16h	negative	negative	negative	negative	NA	NA	
4608	16+72h	negative	negative	negative	negative	NA	NA		
3743	Milk powder, pasteurised milk and cheese	3743	16h	positive	positive	positive	positive	PA	PA
3743		16+72h	positive	positive	positive	positive	PA	PA	
3744		16h	negative	positive	negative	negative	NA	NA	
3744		16+72h	negative	positive	positive	positive	PD	PD	
3745		16h	negative	negative	negative	negative	NA	NA	
3789		16h	negative	positive	positive	positive	PD	PD	
3789		16+72h	negative	positive	positive	positive	PD	PD	
3791	16h	positive	positive	positive	positive	PA	PA		

Table A1.2 (continued) Sensitivity data BACGene Salmonella AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)
Milk and dairy products	Milk powder, pasteurised milk and cheese	3791	16+72h	positive	positive	positive	positive	PA	PA
		3792	16h	positive	positive	positive	positive	PA	PA
		3792	16+72h	positive	positive	positive	positive	PA	PA
		3794	16h	positive	positive	positive	positive	PA	PA
		3794	16+72h	positive	positive	positive	positive	PA	PA
		3797	16h	negative	negative	negative	negative	NA	NA
		3798	16h	negative	negative	negative	negative	NA	NA
		3799	16h	negative	negative	negative	negative	NA	NA
		4583	16h	negative	negative	negative	negative	NA	NA
		4584	16h	negative	negative	negative	negative	NA	NA
		4585	16h	negative	negative	negative	negative	NA	NA
		4586	16h	negative	negative	negative	negative	NA	NA
		4587	16h	negative	negative	negative	negative	NA	NA
		4588	16h	negative	negative	negative	negative	NA	NA
		4609	16h	positive	positive	positive	positive	PA	PA
		4609	16+72h	positive	positive	positive	positive	PA	PA
		4610	16h	positive	positive	positive	positive	PA	PA
		4610	16+72h	positive	positive	positive	positive	PA	PA
		4611	16h	positive	positive	positive	positive	PA	PA
		4611	16+72h	positive	positive	positive	positive	PA	PA
	4612	16h	positive	positive	positive	positive	PA	PA	
	4612	16+72h	positive	positive	positive	positive	PA	PA	
	4613	16h	positive	positive	negative	negative	ND(FN)	ND(FN)	
	4613	16+72h	positive	positive	negative	negative	ND(FN)	ND(FN)	
	Dairy desserts	3738	16h	positive	positive	positive	positive	PA	PA
		3738	16+72h	positive	positive	positive	positive	PA	PA
		3739	16h	positive	positive	negative	negative	ND(FN)	ND(FN)
		3739	16+72h	positive	positive	negative	negative	ND(FN)	ND(FN)
		3740	16h	positive	negative	negative	negative	ND	ND
		3740	16+72h	positive	negative	negative	negative	ND	ND
		3741	16h	positive	positive	positive	positive	PA	PA
		3741	16+72h	positive	positive	positive	positive	PA	PA
		3742	16h	positive	positive	positive	positive	PA	PA
		3742	16+72h	positive	positive	positive	positive	PA	PA
		3746	16h	positive	positive	positive	positive	PA	PA
		3746	16+72h	positive	positive	positive	positive	PA	PA
		3747	16h	positive	positive	positive	positive	PA	PA
		3747	16+72h	positive	positive	positive	positive	PA	PA
		3795	16h	negative	positive	negative	negative	NA	NA
		3795	16+72h	negative	positive	negative	negative	NA	NA
		3796	16h	negative	positive	positive	positive	PD	PD
		3796	16+72h	negative	positive	positive	positive	PD	PD
		4589	16h	negative	negative	negative	negative	NA	NA
		4590	16h	negative	negative	negative	negative	NA	NA
		4591	16h	negative	negative	negative	negative	NA	NA
4592		16h	negative	negative	negative	negative	NA	NA	
4593		16h	negative	negative	negative	negative	NA	NA	
4594		16h	negative	negative	negative	negative	NA	NA	
4595		16h	negative	negative	negative	negative	NA	NA	
4596	16h	negative	negative	negative	negative	NA	NA		
4597	16h	negative	negative	negative	negative	NA	NA		

Table A1.3 Sensitivity data BACGene Salmonella AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)
Produce	Leafy greens and sprouts	3285	16h	positive	positive	positive	positive	PA	PA
		3285	16+72h	positive	positive	positive	positive	PA	PA
		3286	16h	positive	positive	positive	positive	PA	PA
		3286	16+72h	positive	positive	positive	positive	PA	PA
		3287	16h	positive	positive	positive	positive	PA	PA
		3287	16+72h	positive	positive	positive	positive	PA	PA
		3288	16h	negative	negative	negative	negative	NA	NA
		3636	16h	positive	positive	positive	positive	PA	PA
		3636	16+72h	positive	positive	positive	positive	PA	PA
		3637	16h	positive	positive	positive	positive	PA	PA
		3637	16+72h	positive	positive	positive	positive	PA	PA
		3699	16h	negative	negative	negative	negative	NA	NA
		3700	16h	negative	negative	negative	negative	NA	NA
		3701	16h	negative	negative	negative	negative	NA	NA
		3702	16h	negative	negative	negative	negative	NA	NA
		3953	16h	negative	negative	negative	negative	NA	NA
		3954	16h	negative	negative	negative	negative	NA	NA
		4076	16h	negative	negative	negative	negative	NA	NA
		4077	16h	negative	negative	negative	negative	NA	NA
		4078	16h	negative	negative	negative	negative	NA	NA
		4411	16h	negative	negative	negative	negative	NA	NA
		4412	16h	negative	negative	negative	negative	NA	NA
		4413	16h	negative	negative	negative	negative	NA	NA
		4414	16h	negative	negative	negative	negative	NA	NA
		4415	16h	negative	negative	negative	negative	NA	NA
		4416	16h	negative	negative	negative	negative	NA	NA
		4416	16+72h	negative	negative	negative	negative	NA	NA
		4417	16h	negative	negative	negative	negative	PPNA	PPNA
		4417	16+72h	negative	negative	negative	negative	NA	NA
		4418	16h	negative	negative	negative	negative	NA	NA
		4476	16+72h	positive	positive	positive	positive	PA	PA
		4477	16+72h	positive	positive	positive	positive	PA	PA
	4478	16+72h	positive	positive	positive	positive	PA	PA	
	4479	16+72h	negative	negative	negative	negative	NA	NA	
	4480	16+72h	positive	positive	positive	positive	PA	PA	
	3638	16h	positive	positive	positive	positive	PA	PA	
	3638	16+72h	positive	positive	positive	positive	PA	PA	
	3639	16h	positive	positive	positive	positive	PA	PA	
	3639	16+72h	positive	positive	positive	positive	PA	PA	
	3640	16h	positive	positive	positive	positive	PA	PA	
	3640	16+72h	positive	positive	positive	positive	PA	PA	
	3641	16h	positive	positive	positive	positive	PA	PA	
	3641	16+72h	positive	positive	positive	positive	PA	PA	
	3685	16h	positive	positive	positive	positive	PA	PA	
3685	16+72h	positive	positive	positive	positive	PA	PA		
3686	16h	positive	positive	positive	positive	PA	PA		
3686	16+72h	positive	positive	positive	positive	PA	PA		
3687	16h	positive	positive	positive	positive	PA	PA		
3687	16+72h	positive	positive	positive	positive	PA	PA		
3688	16h	positive	positive	positive	positive	PA	PA		
3688	16+72h	positive	positive	positive	positive	PA	PA		

Table A1.3 (continued) Sensitivity data BACGene Salmonella AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)
Produces	RTE	3689	16h	positive	positive	positive	positive	PA	PA
		3689	16+72h	positive	positive	positive	positive	PA	PA
		3690	16h	positive	positive	positive	positive	PA	PA
		3690	16+72h	positive	positive	positive	positive	PA	PA
		3955	16h	negative	negative	negative	negative	NA	NA
		3956	16h	negative	negative	negative	negative	NA	NA
		3957	16h	negative	negative	negative	negative	NA	NA
		4079	16h	negative	negative	negative	negative	NA	NA
		4080	16h	negative	negative	negative	negative	NA	NA
		4081	16h	negative	negative	negative	negative	NA	NA
		4568	16h	positive	positive	positive	positive	PA	PA
		4568	16+72h	positive	positive	positive	positive	PA	PA
	4569	16h	positive	positive	positive	positive	PA	PA	
	4569	16+72h	positive	positive	positive	positive	PA	PA	
	3581	16h	negative	negative	negative	negative	NA	NA	
	3582	16h	positive	positive	positive	positive	PA	PA	
	3582	16+72h	positive	positive	positive	positive	PA	PA	
	3583	16h	negative	negative	negative	negative	PPNA	PPNA	
	3584	16h	positive	positive	positive	positive	PA	PA	
	3584	16+72h	positive	positive	positive	positive	PA	PA	
	3585	16h	positive	positive	positive	positive	PA	PA	
	3585	16+72h	positive	positive	positive	positive	PA	PA	
	3958	16h	negative	negative	negative	negative	NA	NA	
	3959	16h	negative	negative	negative	negative	NA	NA	
	3960	16h	negative	negative	negative	negative	NA	NA	
	4093	16h	negative	negative	negative	negative	NA	NA	
	4094	16h	negative	negative	negative	negative	NA	NA	
	4095	16h	negative	negative	negative	negative	NA	NA	
	4481	16+72h	positive	positive	positive	positive	PA	PA	
	4485	16+72h	positive	positive	positive	negative	ND(FN)	ND(FN)	
	4570	16h	positive	positive	positive	positive	PA	PA	
	4570	16+72h	positive	positive	positive	positive	PA	PA	
	4571	16h	positive	positive	positive	positive	PA	PA	
4571	16+72h	positive	positive	positive	positive	PA	PA		
4572	16h	positive	positive	positive	negative	ND(FN)	ND(FN)		
4572	16+72h	positive	positive	positive	negative	ND(FN)	ND(FN)		
4573	16h	negative	negative	negative	negative	NA	NA		
4574	16h	positive	positive	positive	positive	PA	PA		
4574	16+72h	positive	positive	positive	positive	PA	PA		

Table A1.4 Sensitivity data BACGene Salmonella AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)	
Eggs and egg products	Liquid eggs	3654	16h	positive	positive	positive	positive	PA	PA	
		3654	16+72h	positive	positive	positive	positive	PA	PA	
		3655	16h	positive	positive	positive	positive	PA	PA	
		3655	16+72h	positive	positive	positive	positive	PA	PA	
		3656	16h	positive	positive	positive	positive	PA	PA	
		3656	16+72h	positive	positive	positive	positive	PA	PA	
		3657	16h	positive	positive	positive	positive	PA	PA	
		3657	16+72h	positive	positive	positive	positive	PA	PA	
		3658	16h	positive	positive	positive	positive	PA	PA	
		3658	16+72h	positive	positive	positive	positive	PA	PA	
		3659	16h	positive	positive	positive	positive	PA	PA	
		3659	16+72h	positive	positive	positive	positive	PA	PA	
		3660	16h	positive	positive	positive	positive	PA	PA	
		3660	16+72h	positive	positive	positive	positive	PA	PA	
		3661	16h	positive	positive	positive	positive	PA	PA	
		3661	16+72h	positive	positive	positive	positive	PA	PA	
		3662	16h	positive	positive	positive	positive	PA	PA	
		3662	16+72h	positive	positive	positive	positive	PA	PA	
		3663	16h	positive	positive	positive	positive	PA	PA	
		3663	16+72h	positive	positive	positive	positive	PA	PA	
		3972	16h	negative	negative	negative	negative	negative	negative	NA
	4141	16h	negative	negative	negative	negative	negative	negative	NA	NA
	4142	16h	negative	negative	negative	negative	negative	negative	NA	NA
	4143	16h	negative	negative	negative	negative	negative	negative	NA	NA
	4144	16h	negative	negative	negative	negative	negative	negative	NA	NA
	4145	16h	negative	negative	negative	negative	negative	negative	NA	NA
	4576	16h	negative	negative	negative	negative	negative	negative	NA	NA
	4577	16h	negative	negative	negative	negative	negative	negative	NA	NA
	4578	16h	negative	negative	negative	negative	negative	negative	NA	NA
	3297	16h	positive	positive	positive	positive	positive	positive	PA	PA
	3297	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	3298	16h	positive	positive	positive	positive	positive	positive	PA	PA
	3298	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	3299	16h	positive	positive	positive	positive	positive	positive	PA	PA
	3299	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	3300	16h	negative	negative	negative	negative	negative	negative	PPNA	PPNA
	3588	16h	positive	positive	positive	positive	positive	positive	PA	PA
	3588	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	3589	16h	positive	positive	positive	positive	positive	positive	PA	PA
	3589	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	3590	16h	positive	positive	positive	positive	positive	positive	PA	PA
	3590	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
3591	16h	positive	positive	positive	positive	positive	positive	PA	PA	
3591	16+72h	positive	positive	positive	positive	positive	positive	PA	PA	
3691	16h	positive	positive	positive	positive	negative	negative	ND(FN)	ND(FN)	
3691	16+72h	positive	positive	positive	positive	negative	negative	ND(FN)	ND(FN)	
3973	16h	negative	negative	negative	negative	negative	negative	NA	NA	
4096	16h	negative	negative	negative	negative	negative	negative	NA	NA	
4097	16h	negative	negative	negative	negative	negative	negative	NA	NA	
4098	16h	negative	negative	negative	negative	negative	negative	NA	NA	
4146	16h	negative	negative	negative	negative	negative	negative	NA	NA	

Table A1.4 (continued) Sensitivity data BACGene Salmonella AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)
Eggs and egg products	Egg powders	4147	16h	negative	negative	negative	negative	NA	NA
		4491	16+72h	positive	positive	positive	positive	PA	PA
		4575	16h	positive	positive	positive	positive	PA	PA
		4575	16+72h	positive	positive	positive	positive	PA	PA
	RTE egg based preparation	3586	16h	positive	positive	positive	positive	PA	PA
		3586	16+72h	positive	positive	positive	positive	PA	PA
		3587	16h	positive	positive	positive	positive	PA	PA
		3587	16+72h	positive	positive	positive	positive	PA	PA
		3592	16h	negative	negative	negative	negative	NA	NA
		3593	16h	negative	negative	negative	negative	NA	NA
		3648	16h	positive	positive	positive	positive	PA	PA
		3648	16+72h	positive	positive	positive	positive	PA	PA
		3649	16h	positive	positive	positive	positive	PA	PA
		3649	16+72h	positive	positive	positive	positive	PA	PA
		3650	16h	positive	positive	positive	positive	PA	PA
		3650	16+72h	positive	positive	positive	positive	PA	PA
		3651	16h	positive	positive	positive	positive	PA	PA
		3651	16+72h	positive	positive	positive	positive	PA	PA
		3652	16h	positive	positive	positive	positive	PA	PA
		3652	16+72h	positive	positive	positive	positive	PA	PA
		3653	16h	positive	positive	positive	positive	PA	PA
		3653	16+72h	positive	positive	positive	positive	PA	PA
		3693	16h	positive	positive	positive	positive	PA	PA
		3693	16+72h	positive	positive	positive	positive	PA	PA
		3694	16h	positive	positive	positive	positive	PA	PA
		3694	16+72h	positive	positive	positive	positive	PA	PA
		3969	16h	negative	negative	negative	negative	NA	NA
		3970	16h	negative	negative	negative	negative	NA	NA
		3971	16h	negative	negative	negative	negative	NA	NA
		3974	16h	negative	negative	negative	negative	NA	NA
3975	16h	negative	negative	negative	negative	NA	NA		
4082	16h	negative	negative	negative	negative	NA	NA		
4083	16h	negative	negative	negative	negative	NA	NA		
4084	16h	negative	negative	negative	negative	NA	NA		
4085	16h	negative	negative	negative	negative	NA	NA		
4086	16h	negative	negative	negative	negative	NA	NA		

Table A1.5 Sensitivity data BACGene Salmonella AriaMX										
Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)	
Fish and seafood products	Raw	3289	16h	positive	positive	positive	positive	PA	PA	
		3289	16+72h	positive	positive	positive	positive	PA	PA	
		3290	16h	positive	positive	positive	positive	PA	PA	
		3290	16+72h	positive	positive	positive	positive	PA	PA	
		3291	16h	positive	positive	positive	positive	PA	PA	
		3291	16+72h	positive	positive	positive	positive	PA	PA	
		3292	16h	negative	negative	negative	negative	NA	NA	
		3664	16h	positive	positive	positive	positive	PA	PA	
		3664	16+72h	positive	positive	positive	positive	PA	PA	
		3665	16h	positive	positive	positive	positive	PA	PA	
		3665	16+72h	positive	positive	positive	positive	PA	PA	
		3666	16h	positive	positive	positive	positive	PA	PA	
		3666	16+72h	positive	positive	positive	positive	PA	PA	
		3667	16h	positive	positive	positive	positive	PA	PA	
		3667	16+72h	positive	positive	positive	positive	PA	PA	
		3668	16h	positive	positive	positive	positive	PA	PA	
		3668	16+72h	positive	positive	positive	positive	PA	PA	
		3695	16h	positive	positive	positive	positive	PA	PA	
		3695	16+72h	positive	positive	positive	positive	PA	PA	
		3696	16h	positive	positive	positive	positive	PA	PA	
		3696	16+72h	positive	positive	positive	positive	PA	PA	
		3961	16h	negative	negative	negative	negative	NA	NA	
		3962	16h	negative	negative	negative	negative	NA	NA	
		4091	16h	negative	negative	negative	negative	NA	NA	
		4092	16h	negative	negative	negative	negative	NA	NA	
		4148	16h	negative	negative	negative	negative	NA	NA	
		4149	16h	negative	negative	negative	negative	NA	NA	
		4150	16h	negative	negative	negative	negative	NA	NA	
	4151	16h	negative	negative	negative	negative	NA	NA		
	4579	16h	negative	negative	negative	negative	NA	NA		
	3573	16h	positive	positive	positive	positive	PA	PA		
	3573	16+72h	positive	positive	positive	positive	PA	PA		
	3574	16h	positive	positive	positive	positive	negative	negative	ND(FN)	ND(FN)
	3574	16+72h	positive	positive	positive	positive	negative	negative	ND(FN)	ND(FN)
	3576	16h	positive	positive	positive	positive	positive	positive	PA	PA
	3576	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	3577	16h	positive	positive	positive	positive	positive	positive	PA	PA
	3577	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	3578	16h	positive	positive	positive	positive	positive	positive	PA	PA
	3578	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
3579	16h	positive	positive	positive	positive	positive	positive	PA	PA	
3579	16+72h	positive	positive	positive	positive	positive	positive	PA	PA	
3580	16h	positive	positive	positive	positive	positive	positive	PA	PA	
3580	16+72h	positive	positive	positive	positive	positive	positive	PA	PA	
3669	16h	positive	positive	positive	positive	positive	positive	PA	PA	
3669	16+72h	positive	positive	positive	positive	positive	positive	PA	PA	
3670	16h	positive	positive	positive	positive	positive	positive	PA	PA	
3670	16+72h	positive	positive	positive	positive	positive	positive	PA	PA	
3671	16h	positive	positive	positive	positive	positive	positive	PA	PA	
3671	16+72h	positive	positive	positive	positive	positive	positive	PA	PA	
3967	16h	negative	negative	negative	negative	negative	negative	NA	NA	
	RTE, RTRH, RTC									

Table A1.5 (continued) Sensitivity data BACGene Salmonella AriaMX											
Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)		
Fish and seafood products	RTE, RTRH, RTC	4087	16h	negative	negative	negative	negative	NA	NA		
		4088	16h	negative	negative	negative	negative	NA	NA		
		4152	16h	negative	negative	negative	negative	NA	NA		
		4153	16h	negative	negative	negative	negative	NA	NA		
		4154	16h	negative	negative	negative	negative	NA	NA		
		4155	16h	negative	negative	negative	negative	NA	NA		
		4156	16h	negative	negative	negative	negative	NA	NA		
		4580	16h	negative	negative	negative	negative	NA	NA		
	4581	16h	negative	negative	negative	negative	negative	negative	NA	NA	
	Smoked and cured	3642	16h	positive	positive	positive	positive	positive	PA	PA	
		3642	16+72h	positive	positive	positive	positive	positive	PA	PA	
		3643	16h	positive	positive	positive	positive	positive	PA	PA	
		3643	16+72h	positive	positive	positive	positive	positive	PA	PA	
		3644	16h	positive	positive	positive	positive	positive	PA	PA	
		3644	16+72h	positive	positive	positive	positive	positive	PA	PA	
		3645	16h	positive	positive	positive	positive	positive	PA	PA	
		3645	16+72h	positive	positive	positive	positive	positive	PA	PA	
		3646	16h	positive	positive	positive	positive	positive	PA	PA	
		3646	16+72h	positive	positive	positive	positive	positive	PA	PA	
		3647	16h	positive	positive	positive	positive	positive	PA	PA	
		3647	16+72h	positive	positive	positive	positive	positive	PA	PA	
		3697	16h	positive	positive	positive	positive	positive	PA	PA	
		3697	16+72h	positive	positive	positive	positive	positive	PA	PA	
		3698	16h	positive	positive	positive	positive	positive	PA	PA	
		3698	16+72h	positive	positive	positive	positive	positive	PA	PA	
		3963	16h	negative	negative	negative	negative	negative	negative	NA	NA
		3964	16h	negative	negative	negative	negative	negative	negative	NA	NA
		3965	16h	negative	negative	negative	negative	negative	negative	NA	NA
		3966	16h	negative	negative	negative	negative	negative	negative	NA	NA
		3968	16h	negative	negative	negative	negative	negative	negative	NA	NA
		4089	16h	negative	negative	negative	negative	negative	negative	NA	NA
		4090	16h	negative	negative	negative	negative	negative	negative	NA	NA
		4157	16h	negative	negative	negative	negative	negative	negative	NA	NA
		4488	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
		4489	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
		4582	16h	negative	negative	negative	negative	negative	negative	NA	NA

Table A1.6 Sensitivity data BACGene Salmonella AriaMX										
Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)	
Feed including pet food (25g)	Ingredients	380	16h	positive	positive	positive	positive	PA	PA	
		380	16+72h	positive	positive	positive	positive	PA	PA	
		381	16h	positive	positive	questionable	questionable	Q	Q	
		381	16+72h	positive	positive	positive	positive	PA	PA	
		382	16h	negative	negative	negative	negative	NA	NA	
		383	16h	negative	negative	negative	negative	NA	NA	
		384	16h	negative	negative	negative	negative	NA	NA	
		385	16h	positive	positive	positive	positive	PA	PA	
		385	16+72h	positive	positive	positive	positive	PA	PA	
		386	16h	positive	positive	positive	positive	PA	PA	
		386	16+72h	positive	positive	positive	positive	PA	PA	
		387	16h	positive	positive	positive	positive	PA	PA	
		387	16+72h	positive	positive	positive	positive	PA	PA	
		388	16h	positive	positive	positive	positive	PA	PA	
		388	16+72h	positive	positive	positive	positive	PA	PA	
		396	16h	negative	negative	negative	negative	NA	NA	
		397	16h	negative	negative	negative	negative	NA	NA	
		398	16h	negative	negative	negative	negative	NA	NA	
		400	16h	positive	positive	positive	positive	PA	PA	
		400	16+72h	positive	positive	positive	positive	PA	PA	
		401	16h	positive	positive	positive	positive	PA	PA	
		401	16+72h	positive	positive	positive	positive	PA	PA	
		402	16h	negative	negative	negative	negative	NA	NA	
		402	16+72h	negative	negative	negative	negative	NA	NA	
		589	16h	negative	negative	negative	negative	NA	NA	
		590	16h	positive	positive	positive	positive	PA	PA	
		590	16+72h	positive	positive	positive	positive	PA	PA	
		591	16h	positive	positive	positive	positive	PA	PA	
		591	16+72h	positive	positive	positive	positive	PA	PA	
		736	16h	positive	positive	positive	positive	PA	PA	
	736	16+72h	positive	positive	positive	positive	PA	PA		
	737	16h	positive	positive	positive	positive	PA	PA		
	737	16+72h	positive	positive	positive	positive	PA	PA		
	738	16h	positive	positive	positive	positive	PA	PA		
	738	16+72h	positive	positive	positive	positive	PA	PA		
	399	Livestock feed	399	16h	negative	negative	negative	negative	NA	NA
	582		582	16h	positive	positive	positive	positive	PA	PA
	582		582	16+72h	positive	positive	positive	positive	PA	PA
	583		583	16h	negative	negative	negative	negative	NA	NA
	584		584	16h	positive	positive	positive	positive	PA	PA
	584		584	16+72h	positive	positive	positive	positive	PA	PA
	585		585	16h	positive	positive	positive	positive	PA	PA
585	585		16+72h	positive	positive	positive	positive	PA	PA	
586	586		16h	positive	positive	negative	negative	ND(FN)	ND(FN)	
586	586		16+72h	positive	positive	positive	positive	PA	PA	
587	587		16h	negative	negative	negative	negative	NA	NA	
588	588		16h	positive	positive	positive	positive	PA	PA	
588	588		16+72h	positive	positive	positive	positive	PA	PA	
739	739		16h	negative	negative	negative	negative	NA	NA	
740	740	16h	negative	negative	negative	negative	NA	NA		
742	742	16h	negative	negative	negative	negative	NA	NA		

Table A1.6 (continued) Sensitivity data BACGene Salmonella AriaMX											
Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)		
Feed including pet food (25g)	Livestock feed	743	16h	negative	negative	negative	negative	NA	NA		
		744	16h	negative	negative	negative	negative	NA	NA		
		803	16h	negative	negative	negative	negative	NA	NA		
		805	16h	negative	positive	negative	negative	NA	NA		
		1679	16+72h	negative	negative	negative	negative	NA	NA		
		1870	16+72h	positive	positive	positive	positive	PA	PA		
		1871	16+72h	positive	positive	positive	positive	PA	PA		
		1873	16+72h	positive	positive	positive	positive	PA	PA		
	Pet food	389	16h	negative	negative	negative	negative	NA	NA		
		390	16h	positive	positive	positive	positive	PA	PA		
		390	16+72h	positive	positive	positive	positive	PA	PA		
		391	16h	negative	negative	negative	negative	NA	NA		
		392	16h	negative	negative	negative	negative	NA	NA		
		393	16h	negative	negative	negative	negative	NA	NA		
		394	16h	positive	positive	positive	positive	PA	PA		
		394	16+72h	positive	positive	positive	positive	PA	PA		
		395	16h	negative	negative	negative	negative	NA	NA		
		572	16h	positive	positive	positive	positive	PA	PA		
		572	16+72h	positive	positive	positive	positive	PA	PA		
		573	16h	positive	positive	positive	positive	PA	PA		
		573	16+72h	positive	positive	positive	positive	PA	PA		
		574	16h	positive	positive	positive	positive	PA	PA		
		574	16+72h	positive	positive	positive	positive	PA	PA		
		575	16h	positive	positive	positive	positive	PA	PA		
		575	16+72h	positive	positive	positive	positive	PA	PA		
		576	16h	positive	positive	positive	positive	PA	PA		
		576	16+72h	positive	positive	positive	positive	PA	PA		
		577	16h	positive	positive	positive	positive	PA	PA		
		577	16+72h	positive	positive	positive	positive	PA	PA		
		578	16h	positive	positive	positive	positive	PA	PA		
		578	16+72h	positive	positive	positive	positive	PA	PA		
		579	16h	positive	positive	positive	positive	PA	PA		
		579	16+72h	positive	positive	positive	positive	PA	PA		
		580	16h	positive	positive	positive	positive	PA	PA		
		580	16+72h	positive	positive	positive	positive	PA	PA		
		581	16h	positive	positive	positive	positive	PA	PA		
		581	16+72h	positive	positive	positive	positive	PA	PA		
		745	16h	negative	negative	negative	negative	negative	negative	NA	NA
		746	16h	negative	negative	negative	negative	negative	negative	NA	NA
		747	16h	negative	negative	negative	negative	negative	negative	NA	NA
		748	16h	negative	negative	negative	negative	negative	negative	NA	NA
		749	16h	negative	negative	negative	negative	negative	negative	NA	NA

Table A1.7 Sensitivity data BACGene Salmonella AriaMX										
Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)	
Pet food (375g)	Ingredients	876	16h	positive	positive	positive	positive	PA	PA	
		876	16+72h	positive	positive	positive	positive	PA	PA	
		877	16h	positive	positive	positive	positive	PA	PA	
		877	16+72h	positive	positive	positive	positive	PA	PA	
		878	16h	positive	positive	positive	positive	PA	PA	
		878	16+72h	positive	positive	positive	positive	PA	PA	
		879	16h	positive	positive	positive	positive	PA	PA	
		879	16+72h	positive	positive	positive	positive	PA	PA	
		880	16h	negative	negative	negative	negative	NA	NA	
		881	16h	positive	positive	positive	positive	PA	PA	
		881	16+72h	positive	positive	positive	positive	PA	PA	
		882	16h	positive	positive	positive	positive	PA	PA	
		882	16+72h	positive	positive	positive	positive	PA	PA	
		883	16h	positive	positive	positive	positive	PA	PA	
		883	16+72h	positive	positive	positive	positive	PA	PA	
		1152	16h	positive	positive	positive	positive	PA	PA	
		1153	16h	positive	positive	positive	positive	PA	PA	
		1154	16h	positive	positive	positive	positive	PA	PA	
	1155	16h	positive	positive	positive	positive	PA	PA		
	1156	16h	negative	negative	negative	negative	NA	NA		
	953	16h	positive	positive	positive	positive	positive	positive	PA	PA
	953	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	954	16h	positive	positive	positive	positive	positive	positive	PA	PA
	954	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	955	16h	positive	positive	positive	positive	positive	positive	PA	PA
	955	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	956	16h	positive	positive	positive	positive	positive	positive	PA	PA
	956	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	957	16h	positive	positive	positive	positive	positive	positive	PA	PA
	957	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	963	16h	positive	positive	positive	positive	positive	positive	PA	PA
	963	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	964	16h	positive	positive	positive	positive	positive	positive	PA	PA
	964	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	1059	16h	negative	negative	negative	negative	negative	negative	NA	NA
	1060	16h	negative	negative	negative	negative	negative	negative	NA	NA
1061	16h	negative	negative	negative	negative	negative	negative	NA	NA	
1062	16h	negative	negative	negative	negative	negative	negative	NA	NA	
1063	16h	negative	negative	negative	negative	negative	negative	NA	NA	
1064	16h	negative	negative	negative	negative	negative	negative	NA	NA	
1067	16h	negative	negative	negative	negative	negative	negative	NA	NA	
1068	16h	negative	negative	negative	negative	negative	negative	NA	NA	
1069	16h	negative	negative	negative	negative	negative	negative	NA	NA	
1070	16h	negative	negative	negative	negative	negative	negative	NA	NA	
1071	16h	negative	negative	negative	negative	negative	negative	NA	NA	
1690	16+72h	positive	positive	positive	positive	positive	positive	PA	PA	
1691	16+72h	positive	positive	positive	positive	positive	positive	PA	PA	

Table A1.7 (continued) Sensitivity data BACGene Salmonella AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)	
Pet food (375g)	Low moisture products	869	16h	positive	positive	positive	positive	PA	PA	
		869	16+72h	positive	positive	positive	positive	PA	PA	
		870	16h	negative	negative	negative	negative	NA	NA	
		871	16h	positive	positive	positive	positive	PA	PA	
		871	16+72h	positive	positive	positive	positive	PA	PA	
		872	16h	positive	positive	positive	positive	PA	PA	
		872	16+72h	positive	positive	positive	positive	PA	PA	
		873	16h	positive	positive	positive	questionable	questionable	Q	Q
		873	16+72h	positive	positive	positive	positive	positive	PA	PA
		874	16h	negative	negative	negative	negative	negative	NA	NA
		875	16h	negative	negative	negative	negative	negative	NA	NA
		950	16h	positive	positive	positive	negative	negative	ND(FN)	ND(FN)
		950	16+72h	positive	positive	positive	positive	positive	PA	PA
		951	16h	negative	negative	negative	negative	negative	NA	NA
		952	16h	negative	negative	negative	negative	negative	NA	NA
		952	16+72h	negative	positive	positive	negative	negative	NA	NA
		958	16h	positive	positive	positive	positive	positive	PA	PA
		958	16+72h	positive	positive	positive	positive	positive	PA	PA
		959	16h	negative	negative	negative	negative	negative	NA	NA
		960	16h	positive	positive	positive	positive	positive	PA	PA
		960	16+72h	positive	positive	positive	positive	positive	PA	PA
		961	16h	positive	positive	positive	positive	positive	PA	PA
		961	16+72h	positive	positive	positive	positive	positive	PA	PA
		962	16h	negative	negative	negative	negative	negative	NA	NA
		1065	16h	negative	negative	negative	negative	negative	NA	NA
		1066	16h	negative	negative	negative	negative	negative	NA	NA
		1072	16h	negative	negative	negative	negative	negative	NA	NA
		1073	16h	negative	negative	negative	negative	negative	NA	NA
1692	16h	negative	negative	negative	negative	negative	NA	NA		
1692	16+72h	negative	negative	negative	positive	positive	PPNA	PPNA		
1890	16+72h	positive	positive	positive	positive	positive	PA	PA		
1891	16+72h	positive	positive	positive	positive	positive	PA	PA		

Table A1.8 Sensitivity data BACGene Salmonella AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)	
Milk powders, infant formula with and without probiotics (375g)	Milk powder, pasteurised milk and cheese	1340	16h	negative	negative	negative	negative	NA	NA	
		2326	16+72h	positive	positive	positive	positive	PA	PA	
		2327	16+72h	positive	positive	positive	positive	PA	PA	
		2427	16h	negative	negative	negative	negative	NA	NA	
		2431	16h	negative	negative	negative	negative	NA	NA	
		2433	16h	negative	positive	negative	negative	NA	NA	
		2434	16h	negative	negative	negative	negative	NA	NA	
		2435	16h	positive	positive	positive	positive	PA	PA	
		2435	16+72h	positive	positive	positive	positive	PA	PA	
		2436	16h	negative	negative	negative	negative	NA	NA	
		2437	16h	negative	negative	negative	negative	NA	NA	
		2438	16h	negative	negative	negative	negative	NA	NA	
		2439	16h	positive	positive	positive	positive	PA	PA	
		2439	16+72h	positive	positive	positive	positive	PA	PA	
		2505	16h	negative	negative	negative	negative	NA	NA	
		2506	16h	negative	negative	negative	negative	NA	NA	
		2507	16h	negative	negative	negative	negative	NA	NA	
		2508	16h	negative	negative	negative	negative	NA	NA	
		2620	16h	positive	positive	positive	positive	PA	PA	
		2620	16+72h	positive	positive	positive	positive	PA	PA	
		2621	16h	positive	positive	positive	positive	PA	PA	
		2621	16+72h	positive	positive	positive	positive	PA	PA	
		2813	16h	positive	positive	positive	positive	PA	PA	
		2813	16+72h	positive	positive	positive	positive	PA	PA	
	2814	16h	positive	positive	positive	positive	PA	PA		
	2814	16+72h	positive	positive	positive	positive	PA	PA		
	2815	16h	positive	positive	positive	positive	PA	PA		
	2815	16+72h	positive	positive	positive	positive	PA	PA		
	2816	16h	negative	negative	negative	negative	NA	NA		
	2817	16h	positive	positive	positive	positive	PA	PA		
	2817	16+72h	positive	positive	positive	positive	PA	PA		
	2818	16h	positive	positive	positive	positive	PA	PA		
	2818	16+72h	positive	positive	positive	positive	PA	PA		
	Milk powder, pasteurised milk and cheese	Milk powder, pasteurised milk and cheese	1339	16h	negative	negative	negative	negative	NA	NA
			1341	16h	negative	negative	negative	negative	NA	NA
			1342	16h	negative	negative	negative	negative	NA	NA
			1343	16h	negative	negative	negative	negative	NA	NA
			2237	16h	positive	positive	positive	positive	PA	PA
			2238	16h	positive	positive	positive	positive	PA	PA
			2239	16h	positive	positive	positive	positive	PA	PA
			2240	16h	positive	positive	positive	positive	PA	PA
			2323	16+72h	positive	positive	positive	positive	PA	PA
2324			16+72h	positive	positive	positive	positive	PA	PA	
2425			16h	negative	negative	negative	negative	NA	NA	
2426			16h	negative	negative	negative	negative	NA	NA	
2509			16h	negative	negative	negative	negative	NA	NA	
2510			16h	negative	negative	negative	negative	NA	NA	
2622			16h	positive	positive	positive	positive	PA	PA	
2622			16+72h	positive	positive	positive	positive	PA	PA	
2623			16h	positive	positive	positive	positive	PA	PA	
2623			16+72h	positive	positive	positive	positive	PA	PA	

Table A1.8 (continued) Sensitivity data BACGene Salmonella AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)
Milk powders, infant formula with and without probiotics (375g)	Infant formula without probiotics	2624	16h	positive	positive	positive	positive	PA	PA
		2624	16+72h	positive	positive	positive	positive	PA	PA
		2625	16h	positive	positive	positive	positive	PA	PA
		2625	16+72h	positive	positive	positive	positive	PA	PA
	Infant formula with probiotics	1336	16h	negative	negative	negative	negative	NA	NA
		1337	16h	negative	negative	negative	negative	NA	NA
		1338	16h	negative	negative	negative	negative	NA	NA
		2236	16h	positive	positive	positive	positive	PA	PA
		2241	16h	negative	negative	negative	negative	NA	NA
		2318	16+72h	positive	positive	positive	positive	PA	PA
		2319	16+72h	positive	positive	positive	positive	PA	PA
		2320	16+72h	positive	positive	positive	positive	PA	PA
		2428	16h	negative	negative	negative	negative	NA	NA
		2429	16h	positive	positive	positive	positive	PA	PA
		2429	16+72h	positive	positive	positive	positive	PA	PA
		2430	16h	negative	negative	negative	negative	NA	NA
		2432	16h	negative	negative	negative	negative	NA	NA
		2511	16h	negative	negative	negative	negative	NA	NA
		2512	16h	negative	negative	negative	negative	NA	NA
		2626	16h	positive	positive	negative	negative	ND(FN)	ND(FN)
		2626	16+72h	positive	negative	negative	negative	ND	ND
		2627	16h	positive	positive	positive	positive	PA	PA
		2627	16+72h	positive	positive	positive	positive	PA	PA
		2819	16h	negative	negative	negative	negative	NA	NA
		2820	16h	positive	positive	positive	positive	PA	PA
		2820	16+72h	positive	positive	positive	positive	PA	PA
		2821	16h	positive	positive	positive	positive	PA	PA
		2821	16+72h	positive	positive	positive	positive	PA	PA
		2822	16h	positive	positive	positive	positive	PA	PA
		2822	16+72h	positive	positive	positive	positive	PA	PA
		2823	16h	positive	positive	positive	positive	PA	PA
		2823	16+72h	positive	positive	positive	positive	PA	PA
2824	16h	positive	positive	positive	positive	PA	PA		
2824	16+72h	positive	positive	positive	positive	PA	PA		

Table A1.9 sensitivity data BACGene Salmonella AriaMX

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)
Production environmental samples	Process and cleaning waters	1131	16h	positive	positive	positive	positive	PA	PA
		1132	16h	positive	positive	positive	positive	PA	PA
		1141	16h	positive	positive	positive	positive	PA	PA
		1142	16h	positive	positive	positive	positive	PA	PA
		1279	16h	positive	positive	positive	positive	PA	PA
		1279	16+72h	positive	positive	positive	positive	PA	PA
		1280	16h	positive	positive	positive	positive	PA	PA
		1280	16+72h	positive	positive	positive	positive	PA	PA
		1685	16+72h	positive	positive	positive	positive	PA	PA
		1695	16h	negative	negative	negative	negative	NA	NA
		1695	16+72h	negative	negative	negative	negative	NA	NA
		1881	16+72h	positive	positive	positive	positive	PA	PA
		1882	16+72h	positive	positive	positive	positive	PA	PA
	1883	16+72h	negative	negative	negative	negative	NA	NA	
	Dusts, wastes	916	16h	negative	negative	negative	negative	NA	NA
		925	16h	negative	negative	negative	negative	NA	NA
		928	16h	negative	negative	negative	negative	NA	NA
		930	16h	negative	negative	negative	negative	NA	NA
		931	16h	negative	negative	negative	negative	NA	NA
		932	16h	negative	negative	negative	negative	NA	NA
		933	16h	negative	negative	negative	negative	NA	NA
		1688	16+72h	positive	positive	positive	positive	PA	PA
		1689	16+72h	positive	positive	positive	positive	PA	PA
		1874	16+72h	positive	positive	positive	positive	PA	PA
		1875	16h	negative	negative	negative	negative	NA	NA
		1875	16+72h	negative	negative	negative	negative	NA	NA
		1876	16+72h	positive	positive	positive	positive	PA	PA
		1877	16+72h	positive	positive	positive	positive	PA	PA
		1879	16+72h	positive	positive	positive	positive	PA	PA
		1880	16+72h	positive	positive	positive	positive	PA	PA
		Swabs, sponges, wipes	917	16h	negative	negative	negative	negative	NA
	918		16h	negative	negative	negative	negative	NA	NA
	920		16h	negative	negative	negative	negative	NA	NA
	921		16h	negative	negative	negative	negative	NA	NA
	922		16h	negative	negative	negative	negative	NA	NA
	923		16h	negative	negative	negative	negative	NA	NA
	924		16h	negative	negative	negative	negative	NA	NA
	926		16h	negative	negative	negative	negative	NA	NA
	927		16h	negative	negative	negative	negative	NA	NA
	929		16h	negative	negative	negative	negative	NA	NA
	934		16h	negative	negative	negative	negative	NA	NA
	935		16h	negative	negative	negative	negative	NA	NA
	936		16h	negative	negative	negative	negative	NA	NA
	1123		16h	positive	positive	positive	positive	PA	PA
	1124		16h	positive	positive	positive	positive	PA	PA
	1125		16h	positive	positive	positive	positive	PA	PA
	1126		16h	positive	positive	positive	positive	PA	PA
	1127		16h	positive	positive	positive	positive	PA	PA
	1128		16h	positive	positive	positive	positive	PA	PA
	1129		16h	positive	positive	positive	positive	PA	PA
1130	16h		positive	positive	positive	positive	PA	PA	
1133	16h		positive	positive	positive	positive	PA	PA	
1134	16h		positive	positive	positive	positive	PA	PA	
1135	16h		positive	positive	positive	positive	PA	PA	
1136	16h		positive	positive	positive	positive	PA	PA	
1137	16h		positive	positive	positive	positive	PA	PA	
1138	16h		positive	positive	positive	positive	PA	PA	
1139	16h	positive	positive	positive	positive	PA	PA		
1140	16h	negative	negative	negative	negative	NA	NA		

Table C1.1 Sensitivity data BACGene Salmonella CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)
Meat and meat products	Fresh and frozen meat	3315	16h	positive	positive	positive	positive	PA	PA
		3315	16+72h	positive	positive	positive	positive	PA	PA
		3316	16h	positive	positive	positive	positive	PA	PA
		3316	16+72h	positive	positive	positive	positive	PA	PA
		3317	16h	positive	positive	positive	positive	PA	PA
		3317	16+72h	positive	positive	positive	positive	PA	PA
		3318	16h	negative	negative	negative	negative	NA	NA
		3319	16h	positive	positive	positive	positive	PA	PA
		3319	16+72h	positive	positive	positive	positive	PA	PA
		3320	16h	positive	positive	positive	positive	PA	PA
		3320	16+72h	positive	positive	positive	positive	PA	PA
		3321	16h	positive	positive	positive	positive	PA	PA
		3321	16+72h	positive	positive	positive	positive	PA	PA
		3322	16h	positive	positive	positive	positive	PA	PA
		3322	16+72h	positive	positive	positive	positive	PA	PA
		3323	16h	negative	negative	negative	negative	NA	NA
		3324	16h	positive	positive	positive	positive	PA	PA
		3324	16+72h	positive	positive	positive	positive	PA	PA
		3326	16h	positive	positive	positive	positive	PA	PA
		3326	16+72h	positive	positive	positive	positive	PA	PA
		3327	16h	positive	positive	positive	positive	PA	PA
		3327	16+72h	positive	positive	positive	positive	PA	PA
		3328	16h	negative	negative	negative	negative	NA	NA
		3329	16h	positive	positive	positive	positive	PA	PA
		3329	16+72h	positive	positive	positive	positive	PA	PA
		3330	16h	positive	positive	positive	positive	PA	PA
		3330	16+72h	positive	positive	positive	positive	PA	PA
		3331	16h	negative	negative	negative	negative	NA	NA
		3332	16h	positive	positive	positive	positive	PA	PA
		3332	16+72h	positive	positive	positive	positive	PA	PA
		3386	16h	negative	negative	negative	negative	NA	NA
		3387	16h	negative	negative	negative	negative	NA	NA
		3388	16h	negative	negative	negative	negative	NA	NA
	3389	16h	negative	negative	negative	negative	NA	NA	
	3390	16h	negative	negative	negative	negative	NA	NA	
	3391	16h	negative	negative	negative	negative	NA	NA	
	4406	16h	positive	positive	positive	positive	PA	PA	
	4406	16+72h	positive	positive	positive	positive	PA	PA	
	4407	16h	positive	positive	positive	positive	PA	PA	
	4407	16+72h	positive	positive	positive	positive	PA	PA	
	4408	16h	negative	negative	negative	negative	NA	NA	
	4408	16+72h	negative	negative	negative	negative	NA	NA	
4409	16h	positive	positive	positive	positive	PA	PA		
4409	16+72h	positive	positive	positive	positive	PA	PA		
3325	16h	positive	positive	positive	positive	PA	PA		
3325	16+72h	positive	positive	positive	positive	PA	PA		
3376	16h	positive	positive	positive	positive	PA	PA		
3376	16+72h	positive	positive	positive	positive	PA	PA		
3377	16h	positive	positive	positive	positive	PA	PA		
3377	16+72h	positive	positive	positive	positive	PA	PA		
3378	16h	positive	positive	positive	positive	PA	PA		

Table C1.1 (continued) Sensitivity data BACGene Salmonella CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)
Meat and meat products	RTE, RTRH, RTC	3378	16+72h	positive	positive	positive	positive	PA	PA
		3379	16h	positive	positive	positive	positive	PA	PA
		3379	16+72h	positive	positive	positive	positive	PA	PA
		3380	16h	positive	positive	positive	positive	PA	PA
		3380	16+72h	positive	positive	positive	positive	PA	PA
		3381	16h	positive	positive	positive	positive	PA	PA
		3381	16+72h	positive	positive	positive	positive	PA	PA
		3382	16h	positive	positive	positive	positive	PA	PA
		3382	16+72h	positive	positive	positive	positive	PA	PA
		3383	16h	positive	positive	positive	positive	PA	PA
		3383	16+72h	positive	positive	positive	positive	PA	PA
		3384	16h	positive	positive	positive	positive	PA	PA
		3384	16+72h	positive	positive	positive	positive	PA	PA
		3385	16h	positive	positive	positive	positive	PA	PA
		3385	16+72h	positive	positive	positive	positive	PA	PA
		3392	16h	negative	negative	negative	negative	NA	NA
		3393	16h	negative	negative	negative	negative	NA	NA
		3394	16h	negative	negative	negative	negative	NA	NA
		3395	16h	negative	negative	negative	negative	NA	NA
		3396	16h	negative	negative	negative	negative	NA	NA
	3397	16h	negative	negative	negative	negative	NA	NA	
	3398	16h	negative	negative	negative	negative	NA	NA	
	3399	16h	negative	negative	negative	negative	NA	NA	
	3400	16h	negative	negative	negative	negative	NA	NA	
	3401	16h	negative	negative	negative	negative	NA	NA	
	3404	16h	negative	negative	negative	negative	NA	NA	
	3457	16h	positive	positive	positive	positive	PA	PA	
	3457	16+72h	positive	positive	positive	positive	PA	PA	
	3277	16h	positive	positive	positive	positive	PA	PA	
	3277	16+72h	positive	positive	positive	positive	PA	PA	
	3278	16h	positive	positive	positive	positive	PA	PA	
	3278	16+72h	positive	positive	positive	positive	PA	PA	
	3279	16h	positive	positive	positive	positive	PA	PA	
	3279	16+72h	positive	positive	positive	positive	PA	PA	
	3280	16h	negative	negative	negative	negative	NA	NA	
	3333	16h	positive	positive	positive	positive	PA	PA	
	3333	16+72h	positive	positive	positive	positive	PA	PA	
	3334	16h	positive	positive	positive	positive	PA	PA	
	3334	16+72h	positive	positive	positive	positive	PA	PA	
	3335	16h	negative	negative	negative	negative	NA	NA	
	3402	16h	negative	negative	negative	negative	NA	NA	
	3403	16h	negative	negative	negative	negative	NA	NA	
3451	16h	positive	positive	positive	positive	PA	PA		
3451	16+72h	positive	positive	positive	positive	PA	PA		
3452	16h	positive	positive	positive	positive	PA	PA		
3452	16+72h	positive	positive	positive	positive	PA	PA		
3594	16h	negative	negative	negative	negative	NA	NA		
3595	16h	negative	negative	negative	negative	NA	NA		
3596	16h	negative	negative	negative	negative	NA	NA		
3597	16h	negative	negative	negative	negative	NA	NA		
3598	16h	negative	negative	negative	negative	NA	NA		
	Delicatessen	3277	16h	positive	positive	positive	positive	PA	PA
		3277	16+72h	positive	positive	positive	positive	PA	PA
		3278	16h	positive	positive	positive	positive	PA	PA
		3278	16+72h	positive	positive	positive	positive	PA	PA
		3279	16h	positive	positive	positive	positive	PA	PA
		3279	16+72h	positive	positive	positive	positive	PA	PA
		3280	16h	negative	negative	negative	negative	NA	NA
		3333	16h	positive	positive	positive	positive	PA	PA
		3333	16+72h	positive	positive	positive	positive	PA	PA
		3334	16h	positive	positive	positive	positive	PA	PA
		3334	16+72h	positive	positive	positive	positive	PA	PA
		3335	16h	negative	negative	negative	negative	NA	NA

Table C1.2 Sensitivity data BACGene Salmonella CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)	
Milk and dairy products	Raw milk, fermented milk and cheese	3732	16h	positive	negative	negative	negative	ND	ND	
		3732	16+72h	positive	negative	negative	negative	ND	ND	
		3733	16h	positive	positive	positive	positive	PA	PA	
		3733	16+72h	positive	positive	positive	positive	PA	PA	
		3734	16h	positive	positive	positive	positive	PA	PA	
		3734	16+72h	positive	positive	positive	positive	PA	PA	
		3735	16h	positive	positive	positive	positive	PA	PA	
		3735	16+72h	positive	positive	positive	positive	PA	PA	
		3736	16h	negative	positive	positive	positive	PD	PD	
		3736	16+72h	negative	positive	positive	positive	PD	PD	
		3737	16h	positive	positive	positive	positive	PA	PA	
		3737	16+72h	positive	positive	positive	positive	PA	PA	
		3749	16h	positive	positive	positive	positive	PA	PA	
		3749	16+72h	positive	positive	positive	positive	PA	PA	
		3750	16h	negative	positive	positive	positive	PD	PD	
		3750	16+72h	negative	positive	positive	positive	PD	PD	
		3751	16h	positive	positive	positive	positive	PA	PA	
		3751	16+72h	positive	positive	positive	positive	PA	PA	
		3752	16h	positive	positive	positive	positive	PA	PA	
		3752	16+72h	positive	positive	positive	positive	PA	PA	
		3785	16h	negative	negative	negative	negative	NA	NA	
		3786	16h	negative	negative	negative	negative	NA	NA	
		3787	16h	negative	negative	negative	negative	NA	NA	
		3788	16h	positive	positive	positive	positive	PA	PA	
		3788	16+72h	positive	positive	positive	positive	PA	PA	
		4598	16h	negative	negative	negative	negative	NA	NA	
		4599	16h	negative	negative	negative	negative	NA	NA	
		4599	16+72h	negative	negative	negative	negative	NA	NA	
		4600	16h	negative	positive	positive	positive	PD	PD	
		4600	16+72h	negative	positive	positive	positive	PD	PD	
		4601	16h	negative	negative	negative	negative	NA	NA	
		4601	16+72h	negative	negative	negative	negative	NA	NA	
	4602	16h	negative	negative	negative	negative	NA	NA		
	4603	16h	negative	negative	negative	negative	NA	NA		
	4603	16+72h	negative	negative	negative	negative	NA	NA		
	4604	16h	negative	positive	positive	positive	NA	NA		
	4604	16+72h	negative	positive	positive	positive	NA	NA		
	4605	16h	negative	negative	negative	negative	NA	NA		
	4606	16h	negative	negative	negative	negative	NA	NA		
	4607	16h	negative	negative	negative	negative	NA	NA		
	4607	16+72h	negative	negative	negative	negative	NA	NA		
	4608	16h	negative	negative	positive	positive	PPNA	PPNA		
	4608	16+72h	negative	negative	negative	negative	NA	NA		
	3743	Milk powder, pasteurised milk and cheese	3743	16h	positive	positive	positive	positive	PA	PA
	3743		16+72h	positive	positive	positive	positive	PA	PA	
	3744		16h	negative	positive	positive	positive	PD	PD	
3744	16+72h		negative	positive	negative	negative	NA	NA		
3745	16h		negative	negative	negative	negative	NA	NA		
3789	16h		negative	positive	positive	positive	PD	PD		
3789	16+72h		negative	positive	positive	positive	PD	PD		
3791	16h		positive	positive	positive	positive	PA	PA		

Table C1.2 (continued) Sensitivity data BACGene Salmonella CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)
Milk and dairy products	Milk powder, pasteurised milk and cheese	3791	16+72h	positive	positive	positive	positive	PA	PA
		3792	16h	positive	positive	positive	positive	PA	PA
		3792	16+72h	positive	positive	positive	positive	PA	PA
		3794	16h	positive	positive	positive	positive	PA	PA
		3794	16+72h	positive	positive	positive	positive	PA	PA
		3797	16h	negative	negative	negative	negative	NA	NA
		3798	16h	negative	negative	negative	negative	NA	NA
		3799	16h	negative	negative	negative	negative	NA	NA
		4583	16h	negative	negative	negative	negative	NA	NA
		4584	16h	negative	negative	negative	negative	NA	NA
		4585	16h	negative	negative	negative	negative	NA	NA
		4586	16h	negative	negative	negative	negative	NA	NA
		4587	16h	negative	negative	negative	negative	NA	NA
		4588	16h	negative	negative	negative	negative	NA	NA
		4609	16h	positive	positive	positive	positive	PA	PA
		4609	16+72h	positive	positive	positive	positive	PA	PA
		4610	16h	positive	positive	positive	positive	PA	PA
		4610	16+72h	positive	positive	positive	positive	PA	PA
		4611	16h	positive	positive	positive	positive	PA	PA
		4611	16+72h	positive	positive	positive	positive	PA	PA
	4612	16h	positive	positive	positive	positive	PA	PA	
	4612	16+72h	positive	positive	positive	positive	PA	PA	
	4613	16h	positive	positive	positive	negative	negative	ND(FN)	ND(FN)
	4613	16+72h	positive	positive	positive	negative	negative	ND(FN)	ND(FN)
	Dairy desserts	3738	16h	positive	positive	positive	positive	PA	PA
		3738	16+72h	positive	positive	positive	positive	PA	PA
		3739	16h	positive	positive	positive	positive	PA	PA
		3739	16+72h	positive	positive	negative	negative	ND(FN)	ND(FN)
		3740	16h	positive	negative	negative	negative	ND	ND
		3740	16+72h	positive	negative	negative	negative	ND	ND
		3741	16h	positive	positive	positive	positive	PA	PA
		3741	16+72h	positive	positive	positive	positive	PA	PA
		3742	16h	positive	positive	positive	positive	PA	PA
		3742	16+72h	positive	positive	positive	positive	PA	PA
		3746	16h	positive	positive	positive	positive	PA	PA
		3746	16+72h	positive	positive	positive	positive	PA	PA
		3747	16h	positive	positive	positive	positive	PA	PA
		3747	16+72h	positive	positive	positive	positive	PA	PA
		3795	16h	negative	positive	negative	negative	NA	NA
		3795	16+72h	negative	positive	negative	positive	NA	PD
		3796	16h	negative	positive	positive	positive	PD	PD
		3796	16+72h	negative	positive	positive	positive	PD	PD
		4589	16h	negative	negative	negative	negative	NA	NA
		4590	16h	negative	negative	negative	negative	NA	NA
		4591	16h	negative	negative	negative	negative	NA	NA
		4592	16h	negative	negative	negative	negative	NA	NA
4593		16h	negative	negative	negative	negative	NA	NA	
4594		16h	negative	negative	negative	negative	NA	NA	
4595		16h	negative	negative	negative	negative	NA	NA	
4596		16h	negative	negative	negative	negative	NA	NA	
4597	16h	negative	negative	negative	negative	NA	NA		

Table C1.3 Sensitivity data BACGene Salmonella CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)
Produce	Leafy greens and sprouts	3285	16h	positive	positive	positive	positive	PA	PA
		3285	16+72h	positive	positive	positive	positive	PA	PA
		3286	16h	positive	positive	positive	positive	PA	PA
		3286	16+72h	positive	positive	positive	positive	PA	PA
		3287	16h	positive	positive	positive	positive	PA	PA
		3287	16+72h	positive	positive	positive	positive	PA	PA
		3288	16h	negative	negative	negative	negative	NA	NA
		3636	16h	positive	positive	positive	positive	PA	PA
		3636	16+72h	positive	positive	positive	positive	PA	PA
		3637	16h	positive	positive	positive	positive	PA	PA
		3637	16+72h	positive	positive	positive	positive	PA	PA
		3699	16h	negative	negative	negative	negative	NA	NA
		3700	16h	negative	negative	negative	negative	NA	NA
		3701	16h	negative	negative	negative	negative	NA	NA
		3702	16h	negative	negative	negative	negative	NA	NA
		3953	16h	negative	negative	negative	negative	NA	NA
		3954	16h	negative	negative	negative	negative	NA	NA
		4076	16h	negative	negative	negative	negative	NA	NA
		4077	16h	negative	negative	negative	negative	NA	NA
		4078	16h	negative	negative	negative	negative	NA	NA
		4411	16h	negative	negative	negative	negative	NA	NA
		4412	16h	negative	negative	negative	negative	NA	NA
		4413	16h	negative	negative	negative	negative	NA	NA
		4414	16h	negative	negative	negative	negative	NA	NA
		4415	16h	negative	negative	negative	negative	NA	NA
		4416	16h	negative	negative	negative	negative	NA	NA
		4416	16+72h	negative	negative	negative	negative	NA	NA
		4417	16h	negative	negative	negative	positive	PPNA	PPNA
		4417	16+72h	negative	negative	negative	negative	NA	NA
		4418	16h	negative	negative	negative	negative	NA	NA
		4476	16h	positive	positive	positive	negative	ND(FN)	ND(FN)
		4476	16+72h	positive	positive	positive	negative	ND(FN)	ND(FN)
	4477	16h	positive	positive	positive	positive	PA	PA	
	4477	16+72h	positive	positive	positive	positive	PA	PA	
	4478	16h	positive	positive	positive	positive	PA	PA	
	4478	16+72h	positive	positive	positive	positive	PA	PA	
	4479	16h	negative	negative	negative	negative	NA	NA	
	4479	16+72h	negative	negative	negative	negative	NA	NA	
	4480	16h	positive	positive	positive	positive	PA	PA	
	4480	16+72h	positive	positive	positive	positive	PA	PA	
	3638	16h	positive	positive	positive	positive	PA	PA	
	3638	16+72h	positive	positive	positive	positive	PA	PA	
	3639	16h	positive	positive	positive	positive	PA	PA	
	3639	16+72h	positive	positive	positive	positive	PA	PA	
3640	16h	positive	positive	positive	positive	PA	PA		
3640	16+72h	positive	positive	positive	positive	PA	PA		
3641	16h	positive	positive	positive	positive	PA	PA		
3641	16+72h	positive	positive	positive	positive	PA	PA		
3685	16h	positive	positive	positive	positive	PA	PA		
3685	16+72h	positive	positive	positive	positive	PA	PA		
3686	16h	positive	positive	positive	positive	PA	PA		

Table C1.3 (continued) Sensitivity data BACGene Salmonella CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)	
Produces	RTE	3686	16+72h	positive	positive	positive	positive	PA	PA	
		3687	16h	positive	positive	positive	positive	PA	PA	
		3687	16+72h	positive	positive	positive	positive	PA	PA	
		3688	16h	positive	positive	positive	positive	PA	PA	
		3688	16+72h	positive	positive	positive	positive	PA	PA	
		3689	16h	positive	positive	positive	positive	PA	PA	
		3689	16+72h	positive	positive	positive	positive	PA	PA	
		3690	16h	positive	positive	positive	positive	PA	PA	
		3690	16+72h	positive	positive	positive	positive	PA	PA	
		3955	16h	negative	negative	negative	negative	NA	NA	
		3956	16h	negative	negative	negative	negative	NA	NA	
		3957	16h	negative	negative	negative	negative	NA	NA	
		4079	16h	negative	negative	negative	negative	NA	NA	
		4080	16h	negative	negative	negative	negative	NA	NA	
		4081	16h	negative	negative	negative	negative	NA	NA	
		4568	16h	positive	positive	positive	positive	PA	PA	
		4568	16+72h	positive	positive	positive	positive	PA	PA	
		4569	16h	positive	positive	positive	positive	PA	PA	
	4569	16+72h	positive	positive	positive	positive	PA	PA		
	3581	16h	negative	negative	negative	negative	NA	NA		
	3582	16h	positive	positive	positive	positive	PA	PA		
	3582	16+72h	positive	positive	positive	positive	PA	PA		
	3583	16h	negative	negative	negative	negative	NA	NA		
	3584	16h	positive	positive	positive	positive	PA	PA		
	3584	16+72h	positive	positive	positive	positive	PA	PA		
	3585	16h	positive	positive	positive	positive	PA	PA		
	3585	16+72h	positive	positive	positive	positive	PA	PA		
	3958	16h	negative	negative	negative	negative	NA	NA		
	3959	16h	negative	negative	negative	negative	NA	NA		
	3960	16h	negative	negative	negative	negative	NA	NA		
	4093	16h	negative	negative	negative	negative	NA	NA		
	4094	16h	negative	negative	negative	negative	NA	NA		
	4095	16h	negative	negative	negative	negative	NA	NA		
	4481	16h	positive	positive	positive	positive	PA	PA		
	4481	16+72h	positive	positive	positive	positive	PA	PA		
	4482	16h	negative	negative	negative	negative	NA	NA		
	4484	16h	negative	negative	negative	negative	NA	NA		
	4485	16h	positive	positive	positive	positive	negative	negative	ND(FN)	ND(FN)
	4485	16+72h	positive	positive	positive	positive	negative	negative	ND(FN)	ND(FN)
	4486	16h	negative	negative	negative	negative	negative	negative	NA	NA
	4570	16h	positive	positive	positive	positive	positive	positive	PA	PA
	4570	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	4571	16h	positive	positive	positive	positive	positive	positive	PA	PA
	4571	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	4572	16h	positive	positive	positive	positive	negative	negative	ND(FN)	ND(FN)
4572	16+72h	positive	positive	positive	positive	negative	negative	ND(FN)	ND(FN)	
4573	16h	negative	negative	negative	negative	negative	negative	NA	NA	
4574	16h	positive	positive	positive	positive	positive	positive	PA	PA	
4574	16+72h	positive	positive	positive	positive	positive	positive	PA	PA	
	RTC and RTRH preparations	3581	16h	negative	negative	negative	negative	NA	NA	
		3582	16h	positive	positive	positive	positive	PA	PA	
		3582	16+72h	positive	positive	positive	positive	PA	PA	
		3583	16h	negative	negative	negative	negative	NA	NA	
		3584	16h	positive	positive	positive	positive	PA	PA	
		3584	16+72h	positive	positive	positive	positive	PA	PA	
		3585	16h	positive	positive	positive	positive	PA	PA	
		3585	16+72h	positive	positive	positive	positive	PA	PA	
		3958	16h	negative	negative	negative	negative	NA	NA	
		3959	16h	negative	negative	negative	negative	NA	NA	
		3960	16h	negative	negative	negative	negative	NA	NA	
		4093	16h	negative	negative	negative	negative	NA	NA	
		4094	16h	negative	negative	negative	negative	NA	NA	
		4095	16h	negative	negative	negative	negative	NA	NA	
		4481	16h	positive	positive	positive	positive	PA	PA	
		4481	16+72h	positive	positive	positive	positive	PA	PA	
		4482	16h	negative	negative	negative	negative	NA	NA	
	4484	16h	negative	negative	negative	negative	NA	NA		
	4485	16h	positive	positive	positive	positive	negative	negative	ND(FN)	ND(FN)
	4485	16+72h	positive	positive	positive	positive	negative	negative	ND(FN)	ND(FN)
	4486	16h	negative	negative	negative	negative	negative	negative	NA	NA
	4570	16h	positive	positive	positive	positive	positive	PA	PA	
	4570	16+72h	positive	positive	positive	positive	positive	PA	PA	
	4571	16h	positive	positive	positive	positive	positive	PA	PA	
	4571	16+72h	positive	positive	positive	positive	positive	PA	PA	
	4572	16h	positive	positive	positive	negative	negative	ND(FN)	ND(FN)	
	4572	16+72h	positive	positive	positive	negative	negative	ND(FN)	ND(FN)	
	4573	16h	negative	negative	negative	negative	negative	NA	NA	
	4574	16h	positive	positive	positive	positive	positive	PA	PA	
	4574	16+72h	positive	positive	positive	positive	positive	PA	PA	

Table C1.4 Sensitivity data BACGene Salmonella CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)		
Eggs and egg products	Liquid eggs	3654	16h	positive	positive	positive	positive	PA	PA		
		3654	16+72h	positive	positive	positive	positive	PA	PA		
		3655	16h	positive	positive	positive	positive	PA	PA		
		3655	16+72h	positive	positive	positive	positive	PA	PA		
		3656	16h	positive	positive	positive	positive	PA	PA		
		3656	16+72h	positive	positive	positive	positive	PA	PA		
		3657	16h	positive	positive	positive	positive	PA	PA		
		3657	16+72h	positive	positive	positive	positive	PA	PA		
		3658	16h	positive	positive	positive	positive	PA	PA		
		3658	16+72h	positive	positive	positive	positive	PA	PA		
		3659	16h	positive	positive	positive	positive	PA	PA		
		3659	16+72h	positive	positive	positive	positive	PA	PA		
		3660	16h	positive	positive	positive	positive	PA	PA		
		3660	16+72h	positive	positive	positive	positive	PA	PA		
		3661	16h	positive	positive	positive	positive	PA	PA		
		3661	16+72h	positive	positive	positive	positive	PA	PA		
		3662	16h	positive	positive	positive	positive	PA	PA		
		3662	16+72h	positive	positive	positive	positive	PA	PA		
		3663	16h	positive	positive	positive	positive	PA	PA		
		3663	16+72h	positive	positive	positive	positive	PA	PA		
		3972	16h	negative	negative	negative	negative	negative	negative	NA	NA
		4141	16h	negative	negative	negative	negative	negative	negative	NA	NA
		4142	16h	negative	negative	negative	negative	negative	negative	NA	NA
		4143	16h	negative	negative	negative	negative	negative	negative	NA	NA
	4144	16h	negative	negative	negative	negative	negative	negative	NA	NA	
	4145	16h	negative	negative	negative	negative	negative	negative	NA	NA	
	4576	16h	negative	negative	negative	negative	negative	negative	NA	NA	
	4577	16h	negative	negative	negative	negative	negative	negative	NA	NA	
	4578	16h	negative	negative	negative	negative	negative	negative	NA	NA	
	Egg powders	3297	16h	positive	positive	positive	positive	positive	PA	PA	
		3297	16+72h	positive	positive	positive	positive	positive	PA	PA	
		3298	16h	positive	positive	positive	positive	positive	PA	PA	
		3298	16+72h	positive	positive	positive	positive	positive	PA	PA	
		3299	16h	positive	positive	positive	positive	positive	PA	PA	
		3299	16+72h	positive	positive	positive	positive	positive	PA	PA	
		3300	16h	negative	negative	negative	negative	negative	negative	NA	NA
		3588	16h	positive	positive	positive	positive	positive	positive	PA	PA
		3588	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
		3589	16h	positive	positive	positive	positive	positive	positive	PA	PA
		3589	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
		3590	16h	positive	positive	positive	positive	positive	positive	PA	PA
		3590	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
		3591	16h	positive	positive	positive	positive	positive	positive	PA	PA
		3591	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
3691		16h	positive	negative	negative	negative	negative	negative	ND	ND	
3691		16+72h	positive	negative	negative	negative	negative	negative	ND	ND	
3973		16h	negative	negative	negative	negative	negative	negative	NA	NA	
4096		16h	negative	negative	negative	negative	negative	negative	NA	NA	
4097		16h	negative	negative	negative	negative	negative	negative	NA	NA	
4098	16h	negative	negative	negative	negative	negative	negative	NA	NA		
4146	16h	negative	negative	negative	negative	negative	negative	NA	NA		

Table C1.4 (continued) Sensitivity data BACGene Salmonella CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)	
Eggs and egg products	Egg powders	4147	16h	negative	negative	negative	negative	NA	NA	
		4491	16h	positive	positive	positive	positive	PA	PA	
		4491	16+72h	positive	positive	positive	positive	PA	PA	
		4492	16h	negative	negative	negative	negative	NA	NA	
		4493	16h	negative	negative	negative	negative	NA	NA	
		4575	16h	positive	positive	positive	positive	PA	PA	
			4575	16+72h	positive	positive	positive	positive	PA	PA
		RTE egg based preparation	3586	16h	positive	positive	positive	positive	PA	PA
			3586	16+72h	positive	positive	positive	positive	PA	PA
			3587	16h	positive	positive	positive	positive	PA	PA
			3587	16+72h	positive	positive	positive	positive	PA	PA
			3592	16h	negative	negative	negative	negative	NA	NA
			3593	16h	negative	negative	negative	negative	NA	NA
			3648	16h	positive	positive	positive	positive	PA	PA
			3648	16+72h	positive	positive	positive	positive	PA	PA
			3649	16h	positive	positive	positive	positive	PA	PA
			3649	16+72h	positive	positive	positive	positive	PA	PA
			3650	16h	positive	positive	positive	positive	PA	PA
			3650	16+72h	positive	positive	positive	positive	PA	PA
			3651	16h	positive	positive	positive	positive	PA	PA
			3651	16+72h	positive	positive	positive	positive	PA	PA
			3652	16h	positive	positive	positive	positive	PA	PA
			3652	16+72h	positive	positive	positive	positive	PA	PA
			3653	16h	positive	positive	positive	positive	PA	PA
			3653	16+72h	positive	positive	positive	positive	PA	PA
			3693	16h	positive	positive	positive	positive	PA	PA
			3693	16+72h	positive	positive	positive	positive	PA	PA
			3694	16h	positive	positive	positive	positive	PA	PA
			3694	16+72h	positive	positive	positive	positive	PA	PA
			3969	16h	negative	negative	negative	negative	NA	NA
			3970	16h	negative	negative	negative	negative	NA	NA
			3971	16h	negative	negative	negative	negative	NA	NA
			3974	16h	negative	negative	negative	negative	NA	NA
			3975	16h	negative	negative	negative	negative	NA	NA
	4082		16h	negative	negative	negative	negative	NA	NA	
	4083	16h	negative	negative	negative	negative	NA	NA		
	4084	16h	negative	negative	negative	negative	NA	NA		
	4085	16h	negative	negative	negative	negative	NA	NA		
	4086	16h	negative	negative	negative	negative	NA	NA		

Table C1.5 Sensitivity data BACGene Salmonella CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)
Fish and seafood products	Raw	3289	16h	positive	positive	positive	positive	PA	PA
		3289	16+72h	positive	positive	positive	positive	PA	PA
		3290	16h	positive	positive	positive	positive	PA	PA
		3290	16+72h	positive	positive	positive	positive	PA	PA
		3291	16h	positive	positive	positive	positive	PA	PA
		3291	16+72h	positive	positive	positive	positive	PA	PA
		3292	16h	negative	negative	negative	negative	NA	NA
		3664	16h	positive	positive	positive	positive	PA	PA
		3664	16+72h	positive	positive	positive	positive	PA	PA
		3665	16h	positive	positive	positive	positive	PA	PA
		3665	16+72h	positive	positive	positive	positive	PA	PA
		3666	16h	positive	positive	positive	positive	PA	PA
		3666	16+72h	positive	positive	positive	positive	PA	PA
		3667	16h	positive	positive	positive	positive	PA	PA
		3667	16+72h	positive	positive	positive	positive	PA	PA
		3668	16h	positive	positive	positive	positive	PA	PA
		3668	16+72h	positive	positive	positive	positive	PA	PA
		3695	16h	positive	positive	positive	positive	PA	PA
		3695	16+72h	positive	positive	positive	positive	PA	PA
		3696	16h	positive	positive	positive	positive	PA	PA
		3696	16+72h	positive	positive	positive	positive	PA	PA
		3961	16h	negative	negative	negative	negative	NA	NA
		3962	16h	negative	negative	negative	negative	NA	NA
		4091	16h	negative	negative	negative	negative	NA	NA
		4092	16h	negative	negative	negative	negative	NA	NA
		4148	16h	negative	negative	negative	negative	NA	NA
		4149	16h	negative	negative	negative	negative	NA	NA
		4150	16h	negative	negative	negative	negative	NA	NA
	4151	16h	negative	negative	negative	negative	NA	NA	
	4579	16h	negative	negative	negative	negative	NA	NA	
	3573	16h	positive	positive	positive	positive	PA	PA	
	3573	16+72h	positive	positive	negative	negative	ND(FN)	ND(FN)	
	3574	16h	positive	positive	negative	negative	ND(FN)	ND(FN)	
	3574	16+72h	positive	positive	negative	negative	ND(FN)	ND(FN)	
	3576	16h	positive	positive	positive	positive	PA	PA	
	3576	16+72h	positive	positive	positive	positive	PA	PA	
	3577	16h	positive	positive	positive	positive	PA	PA	
	3577	16+72h	positive	positive	positive	positive	PA	PA	
	3578	16h	positive	positive	positive	positive	PA	PA	
	3578	16+72h	positive	positive	positive	positive	PA	PA	
	3579	16h	positive	positive	positive	positive	PA	PA	
	3579	16+72h	positive	positive	positive	positive	PA	PA	
	3580	16h	positive	positive	positive	positive	PA	PA	
	3580	16+72h	positive	positive	positive	positive	PA	PA	
	3669	16h	positive	positive	positive	positive	PA	PA	
3669	16+72h	positive	positive	positive	positive	PA	PA		
3670	16h	positive	positive	positive	positive	PA	PA		
3670	16+72h	positive	positive	positive	positive	PA	PA		
3671	16h	positive	positive	positive	positive	PA	PA		
3671	16+72h	positive	positive	positive	positive	PA	PA		
3967	16h	negative	negative	negative	negative	NA	NA		

Table C1.5 (continued) Sensitivity data BACGene Salmonella CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)	
Fish and seafood products	RTE, RTRH, RTC	4087	16h	negative	negative	negative	negative	NA	NA	
		4088	16h	negative	negative	negative	negative	NA	NA	
		4152	16h	negative	negative	negative	negative	NA	NA	
		4153	16h	negative	negative	negative	negative	NA	NA	
		4154	16h	negative	negative	negative	negative	NA	NA	
		4155	16h	negative	negative	negative	negative	NA	NA	
		4156	16h	negative	negative	negative	negative	NA	NA	
		4580	16h	negative	negative	negative	negative	NA	NA	
	4581	16h	negative	negative	negative	negative	negative	negative	NA	NA
	3642	16h	positive	positive	positive	positive	positive	positive	PA	PA
	3642	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	3643	16h	positive	positive	positive	positive	positive	positive	PA	PA
	3643	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	3644	16h	positive	positive	positive	positive	positive	positive	PA	PA
	3644	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	3645	16h	positive	positive	positive	positive	positive	positive	PA	PA
	3645	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	3646	16h	positive	positive	positive	positive	positive	positive	PA	PA
	3646	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	3647	16h	positive	positive	positive	positive	positive	positive	PA	PA
	3647	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	3697	16h	positive	positive	positive	positive	positive	positive	PA	PA
	3697	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	3698	16h	positive	positive	positive	positive	positive	positive	PA	PA
	3698	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	3963	16h	negative	negative	negative	negative	negative	negative	NA	NA
	3964	16h	negative	negative	negative	negative	negative	negative	NA	NA
	3965	16h	negative	negative	negative	negative	negative	negative	NA	NA
	3966	16h	negative	negative	negative	negative	negative	negative	NA	NA
	3968	16h	negative	negative	negative	negative	negative	negative	NA	NA
	4089	16h	negative	negative	negative	negative	negative	negative	NA	NA
	4090	16h	negative	negative	negative	negative	negative	negative	NA	NA
	4157	16h	negative	negative	negative	negative	negative	negative	NA	NA
	4488	16h	positive	positive	positive	positive	positive	positive	PA	PA
	4488	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	4489	16h	positive	positive	positive	positive	positive	positive	PA	PA
4489	16+72h	positive	positive	positive	positive	positive	positive	PA	PA	
4490	16h	negative	negative	negative	negative	negative	negative	NA	NA	
4582	16h	negative	negative	negative	negative	negative	negative	NA	NA	

Table C1.6 Sensitivity data BACGene Salmonella CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)
Feed including pet food (25g)	Ingredients	380	16h	positive	positive	positive	positive	PA	PA
		381	16h	positive	positive	positive	positive	PA	PA
		382	16h	negative	negative	negative	negative	NA	NA
		383	16h	negative	negative	negative	negative	NA	NA
		384	16h	negative	negative	negative	negative	NA	NA
		385	16h	positive	positive	positive	positive	PA	PA
		386	16h	positive	positive	positive	positive	PA	PA
		387	16h	positive	positive	positive	positive	PA	PA
		388	16h	positive	positive	positive	positive	PA	PA
		396	16h	negative	negative	negative	negative	NA	NA
		397	16h	negative	negative	negative	negative	NA	NA
		398	16h	negative	negative	negative	negative	NA	NA
		400	16h	positive	positive	positive	positive	PA	PA
		401	16h	positive	positive	positive	positive	PA	PA
		402	16h	negative	negative	negative	negative	NA	NA
		589	16h	negative	negative	negative	negative	NA	NA
		590	16h	positive	positive	positive	positive	PA	PA
		591	16h	positive	positive	positive	positive	PA	PA
		736	16h	positive	positive	positive	positive	PA	PA
		737	16h	positive	positive	positive	positive	PA	PA
	738	16h	positive	positive	positive	positive	PA	PA	
	1681	16h	negative	negative	negative	negative	NA	NA	
	399	16h	negative	negative	negative	negative	NA	NA	
	582	16h	positive	positive	positive	positive	PA	PA	
	583	16h	negative	negative	negative	negative	NA	NA	
	584	16h	positive	positive	positive	positive	PA	PA	
	585	16h	positive	positive	positive	positive	PA	PA	
	586	16h	positive	positive	negative	negative	ND(FN)	ND(FN)	
	587	16h	negative	negative	negative	negative	NA	NA	
	588	16h	positive	positive	positive	positive	PA	PA	
	739	16h	negative	negative	negative	negative	NA	NA	
	740	16h	negative	negative	negative	negative	NA	NA	
	742	16h	negative	negative	negative	negative	NA	NA	
	743	16h	negative	negative	negative	negative	NA	NA	
	744	16h	negative	negative	negative	negative	NA	NA	
	803	16h	negative	negative	negative	negative	NA	NA	
	805	16h	negative	positive	negative	negative	NA	NA	
	1679	16h	negative	negative	negative	negative	NA	NA	
	1680	16h	negative	negative	negative	negative	NA	NA	
	1682	16h	negative	negative	negative	negative	NA	NA	
	1870	16h	positive	positive	positive	positive	PA	PA	
	1871	16h	positive	positive	positive	positive	PA	PA	
	1872	16h	negative	negative	negative	negative	NA	NA	
	1873	16h	positive	positive	positive	positive	PA	PA	
	389	16h	negative	negative	negative	negative	NA	NA	
	390	16h	positive	positive	positive	positive	PA	PA	
	391	16h	negative	negative	negative	negative	NA	NA	
	392	16h	negative	negative	negative	negative	NA	NA	
	393	16h	negative	negative	negative	negative	NA	NA	
	394	16h	positive	positive	positive	positive	PA	PA	
395	16h	negative	negative	negative	negative	NA	NA		

Table C1.6 (continued) Sensitivity data BACGene Salmonella CFX96									
Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)
Feed including pet food (25g)	Pet food	572	16h	positive	positive	positive	positive	PA	PA
		573	16h	positive	positive	positive	positive	PA	PA
		574	16h	positive	positive	positive	positive	PA	PA
		575	16h	positive	positive	positive	positive	PA	PA
		576	16h	positive	positive	positive	positive	PA	PA
		577	16h	positive	positive	positive	positive	PA	PA
		578	16h	positive	positive	positive	positive	PA	PA
		579	16h	positive	positive	positive	positive	PA	PA
		580	16h	positive	positive	positive	positive	PA	PA
		581	16h	positive	positive	positive	positive	PA	PA
		745	16h	negative	negative	negative	negative	NA	NA
		746	16h	negative	negative	negative	negative	NA	NA
		748	16h	negative	negative	negative	negative	NA	NA
749	16h	negative	negative	negative	negative	NA	NA		

Table C1.7 Sensitivity data BACGene Salmonella CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)
Pet food (375g)	Ingredients	876	16h	positive	positive	positive	positive	PA	PA
		876	16+72h	positive	positive	positive	positive	PA	PA
		877	16h	positive	positive	positive	positive	PA	PA
		877	16+72h	positive	positive	positive	positive	PA	PA
		878	16h	positive	positive	positive	positive	PA	PA
		878	16+72h	positive	positive	positive	positive	PA	PA
		879	16h	positive	positive	positive	positive	PA	PA
		879	16+72h	positive	positive	positive	positive	PA	PA
		880	16h	negative	negative	negative	negative	NA	NA
		881	16h	positive	positive	positive	positive	PA	PA
		881	16+72h	positive	positive	positive	positive	PA	PA
		882	16h	positive	positive	positive	positive	PA	PA
		882	16+72h	positive	positive	positive	positive	PA	PA
		883	16h	positive	positive	negative	negative	ND(FN)	ND(FN)
		883	16+72h	positive	positive	positive	positive	PA	PA
		1152	16h	positive	positive	positive	positive	PA	PA
		1152	16+72h	positive	positive	positive	positive	PA	PA
		1153	16h	positive	positive	positive	positive	PA	PA
		1153	16+72h	positive	positive	positive	positive	PA	PA
		1154	16h	positive	positive	positive	positive	PA	PA
	1154	16+72h	positive	positive	positive	positive	PA	PA	
	1155	16h	positive	positive	positive	positive	PA	PA	
	1155	16+72h	positive	positive	positive	positive	PA	PA	
	1156	16h	negative	negative	negative	negative	NA	NA	
	1885	16h	negative	negative	negative	negative	NA	NA	
	1886	16h	negative	negative	negative	negative	NA	NA	
	1887	16h	negative	negative	negative	negative	NA	NA	
	1888	16h	negative	negative	negative	negative	NA	NA	
	1889	16h	negative	negative	negative	negative	NA	NA	
	High moisture products	953	16h	positive	positive	positive	positive	PA	PA
		953	16+72h	positive	positive	positive	positive	PA	PA
		954	16h	positive	positive	positive	positive	PA	PA
		954	16+72h	positive	positive	positive	positive	PA	PA
		955	16h	positive	positive	positive	positive	PA	PA
		955	16+72h	positive	positive	positive	positive	PA	PA
		956	16h	positive	positive	positive	positive	PA	PA
956		16+72h	positive	positive	positive	positive	PA	PA	
957		16h	positive	positive	positive	positive	PA	PA	
957		16+72h	positive	positive	positive	positive	PA	PA	
963		16h	positive	positive	positive	positive	PA	PA	
963		16+72h	positive	positive	positive	positive	PA	PA	
964		16h	positive	positive	positive	positive	PA	PA	
964		16+72h	positive	positive	positive	positive	PA	PA	
1059		16h	negative	negative	negative	negative	NA	NA	
1060		16h	negative	negative	negative	negative	NA	NA	
1061	16h	negative	negative	negative	negative	NA	NA		
1062	16h	negative	negative	negative	negative	NA	NA		
1063	16h	negative	negative	negative	negative	NA	NA		
1064	16h	negative	negative	negative	negative	NA	NA		
1067	16h	negative	negative	negative	negative	NA	NA		
1068	16h	negative	negative	negative	negative	NA	NA		

Table C1.7 (continued) Sensitivity data BACGene Salmonella CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)	
Pet food (375g)	High moisture products	1069	16h	negative	negative	negative	negative	NA	NA	
		1070	16h	negative	negative	negative	negative	NA	NA	
		1071	16h	negative	negative	negative	negative	NA	NA	
		1690	16h	positive	positive	positive	positive	PA	PA	
		1690	16+72h	positive	positive	positive	positive	PA	PA	
		1691	16h	positive	positive	positive	positive	PA	PA	
			1691	16+72h	positive	positive	positive	positive	PA	PA
		Low moisture products	869	16h	positive	positive	positive	positive	PA	PA
			869	16+72h	positive	positive	positive	positive	PA	PA
			870	16h	negative	negative	negative	negative	NA	NA
			871	16h	positive	positive	positive	positive	PA	PA
			871	16+72h	positive	positive	positive	positive	PA	PA
			872	16h	positive	positive	positive	positive	PA	PA
			872	16+72h	positive	positive	positive	positive	PA	PA
			873	16h	positive	positive	positive	positive	PA	PA
			873	16+72h	positive	positive	positive	positive	PA	PA
			874	16h	negative	negative	negative	negative	NA	NA
			875	16h	negative	negative	negative	negative	NA	NA
			950	16h	positive	positive	negative	negative	ND(FN)	ND(FN)
			950	16+72h	positive	positive	negative	negative	ND(FN)	ND(FN)
			951	16h	negative	negative	negative	negative	NA	NA
			952	16h	negative	negative	negative	negative	NA	NA
			952	16+72h	negative	positive	negative	negative	NA	NA
			958	16h	positive	positive	positive	positive	PA	PA
			958	16+72h	positive	positive	positive	positive	PA	PA
			959	16h	negative	negative	negative	negative	NA	NA
			960	16h	positive	positive	positive	positive	PA	PA
			960	16+72h	positive	positive	positive	positive	PA	PA
			961	16h	positive	positive	positive	positive	PA	PA
			961	16+72h	positive	positive	positive	positive	PA	PA
			962	16h	negative	negative	negative	negative	NA	NA
			1065	16h	negative	negative	negative	negative	NA	NA
			1066	16h	negative	negative	negative	negative	NA	NA
			1072	16h	negative	negative	negative	negative	NA	NA
			1073	16h	negative	negative	negative	negative	NA	NA
			1692	16h	negative	negative	negative	negative	NA	NA
	1692		16+72h	negative	negative	negative	negative	NA	NA	
	1693	16h	negative	negative	negative	negative	NA	NA		
	1890	16h	positive	positive	positive	positive	PA	PA		
	1890	16+72h	positive	positive	positive	positive	PA	PA		
	1891	16h	positive	positive	positive	positive	PA	PA		
	1891	16+72h	positive	positive	positive	positive	PA	PA		
	1892	16h	negative	negative	negative	negative	NA	NA		

Table C1.8 Sensitivity data BACGene Salmonella CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)
Milk powders, infant formula with and without probiotics (375g)	Milk powder, pasteurised milk and cheese	1340	16h	negative	negative	negative	negative	NA	NA
		2326	16h	positive	positive	positive	positive	PA	PA
		2326	16+72h	positive	positive	positive	positive	PA	PA
		2327	16h	positive	positive	positive	positive	PA	PA
		2327	16+72h	positive	positive	positive	positive	PA	PA
		2427	16h	negative	negative	negative	negative	NA	NA
		2431	16h	negative	negative	negative	negative	NA	NA
		2433	16h	negative	negative	negative	negative	NA	NA
		2434	16h	negative	negative	negative	negative	NA	NA
		2435	16h	positive	positive	positive	positive	PA	PA
		2435	16+72h	positive	positive	positive	positive	PA	PA
		2436	16h	negative	negative	negative	negative	NA	NA
		2437	16h	negative	negative	negative	negative	NA	NA
		2438	16h	negative	negative	negative	negative	NA	NA
		2439	16h	positive	positive	positive	positive	PA	PA
		2439	16+72h	positive	positive	positive	positive	PA	PA
		2505	16h	negative	negative	negative	negative	NA	NA
		2506	16h	negative	negative	negative	negative	NA	NA
		2507	16h	negative	negative	negative	negative	NA	NA
		2508	16h	negative	negative	negative	negative	NA	NA
		2620	16h	positive	positive	positive	positive	PA	PA
		2620	16+72h	positive	positive	positive	positive	PA	PA
		2621	16h	positive	positive	positive	positive	PA	PA
		2621	16+72h	positive	positive	positive	positive	PA	PA
	2813	16h	positive	positive	positive	positive	PA	PA	
	2813	16+72h	positive	positive	positive	positive	PA	PA	
	2814	16h	positive	positive	positive	positive	PA	PA	
	2814	16+72h	positive	positive	positive	positive	PA	PA	
	2815	16h	positive	positive	positive	positive	PA	PA	
	2815	16+72h	positive	positive	positive	positive	PA	PA	
	2816	16h	negative	negative	negative	negative	NA	NA	
	2817	16h	positive	positive	positive	positive	PA	PA	
	2817	16+72h	positive	positive	positive	positive	PA	PA	
	2818	16h	positive	positive	positive	positive	PA	PA	
	2818	16+72h	positive	positive	positive	positive	PA	PA	
	Milk powders, infant formula with and without probiotics (375g)	Infant formula without probiotics	1339	16h	negative	negative	negative	negative	NA
1341			16h	negative	negative	negative	negative	NA	NA
1342			16h	negative	negative	negative	negative	NA	NA
1343			16h	negative	negative	negative	negative	NA	NA
2237			16h	positive	positive	positive	positive	PA	PA
2237			16+72h	positive	positive	positive	positive	PA	PA
2238			16h	positive	positive	positive	positive	PA	PA
2238			16+72h	positive	positive	positive	positive	PA	PA
2239			16h	positive	positive	positive	positive	PA	PA
2239			16+72h	positive	positive	positive	positive	PA	PA
2240			16h	positive	positive	positive	positive	PA	PA
2240			16+72h	positive	positive	positive	positive	PA	PA
2322	16h	negative	negative	negative	negative	NA	NA		
2323	16h	positive	positive	positive	positive	PA	PA		
2323	16+72h	positive	positive	positive	positive	PA	PA		
2324	16h	positive	positive	positive	positive	PA	PA		

Table C1.8 (continued) Sensitivity data BACGene Salmonella CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)	
Milk powders, infant formula with and without probiotics (375g)	Infant formula without probiotics	2324	16+72h	positive	positive	positive	positive	PA	PA	
		2325	16h	negative	negative	negative	negative	NA	NA	
		2425	16h	negative	negative	negative	negative	NA	NA	
		2426	16h	negative	negative	negative	negative	NA	NA	
		2509	16h	negative	negative	negative	negative	NA	NA	
		2510	16h	negative	negative	negative	negative	NA	NA	
		2622	16h	positive	positive	positive	positive	PA	PA	
		2622	16+72h	positive	positive	positive	positive	PA	PA	
		2623	16h	positive	positive	positive	positive	PA	PA	
		2623	16+72h	positive	positive	positive	positive	PA	PA	
		2624	16h	positive	positive	positive	positive	PA	PA	
		2624	16+72h	positive	positive	positive	positive	PA	PA	
	2625	16h	positive	positive	positive	positive	PA	PA		
	2625	16+72h	positive	positive	positive	positive	PA	PA		
	1336	16h	negative	negative	negative	negative	negative	negative	NA	NA
	1337	16h	negative	negative	negative	negative	negative	negative	NA	NA
	1338	16h	negative	negative	negative	negative	negative	negative	NA	NA
	2236	16h	positive	positive	positive	positive	positive	positive	PA	PA
	2236	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	2241	16h	negative	negative	negative	negative	negative	negative	NA	NA
	2241	16+72h	negative	negative	negative	negative	negative	negative	NA	NA
	2318	16h	positive	positive	positive	positive	positive	positive	PA	PA
	2318	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	2319	16h	positive	positive	positive	positive	positive	positive	PA	PA
	2319	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	2320	16h	positive	positive	positive	positive	positive	positive	PA	PA
	2320	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	2321	16h	negative	negative	negative	negative	negative	negative	NA	NA
	2428	16h	negative	negative	negative	negative	negative	negative	NA	NA
	2429	16h	positive	positive	positive	positive	positive	positive	PA	PA
	2429	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	2430	16h	negative	negative	negative	negative	negative	negative	NA	NA
	2432	16h	negative	negative	negative	negative	negative	negative	NA	NA
	2511	16h	negative	negative	negative	negative	negative	negative	NA	NA
	2512	16h	negative	negative	negative	negative	negative	negative	NA	NA
	2626	16h	positive	positive	positive	positive	negative	negative	ND(FN)	ND(FN)
	2626	16+72h	positive	positive	negative	negative	negative	negative	ND	ND
	2627	16h	positive	positive	positive	positive	positive	positive	PA	PA
	2627	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	2819	16h	negative	negative	negative	negative	negative	negative	NA	NA
	2820	16h	positive	positive	positive	positive	positive	positive	PA	PA
	2820	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	2821	16h	positive	positive	positive	positive	positive	positive	PA	PA
	2821	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	2822	16h	positive	positive	positive	positive	positive	positive	PA	PA
	2822	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
	2823	16h	positive	positive	positive	positive	positive	positive	PA	PA
	2823	16+72h	positive	positive	positive	positive	positive	positive	PA	PA
2824	16h	positive	positive	positive	positive	positive	positive	PA	PA	
2824	16+72h	positive	positive	positive	positive	positive	positive	PA	PA	

Table C1.9 Sensitivity data BACGene Salmonella CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)
Production environmental samples	Process and cleaning waters	1131	16h	positive	positive	positive	positive	PA	PA
		1131	16+72h	positive	positive	positive	positive	PA	PA
		1132	16h	positive	positive	positive	positive	PA	PA
		1132	16+72h	positive	positive	positive	positive	PA	PA
		1141	16h	positive	positive	positive	positive	PA	PA
		1141	16+72h	positive	positive	positive	positive	PA	PA
		1142	16h	positive	positive	positive	positive	PA	PA
		1142	16+72h	positive	positive	positive	positive	PA	PA
		1279	16h	positive	positive	positive	positive	PA	PA
		1279	16+72h	positive	positive	positive	positive	PA	PA
		1280	16h	positive	positive	positive	positive	PA	PA
		1280	16+72h	positive	positive	positive	positive	PA	PA
		1683	16h	negative	negative	negative	negative	NA	NA
		1684	16h	negative	negative	negative	negative	NA	NA
		1685	16h	positive	positive	positive	positive	PA	PA
		1685	16+72h	positive	positive	positive	positive	PA	PA
		1694	16h	negative	negative	negative	negative	NA	NA
		1695	16h	negative	negative	negative	negative	PPNA	PPNA
		1695	16+72h	negative	negative	negative	negative	NA	NA
		1696	16h	negative	negative	negative	negative	NA	NA
	1697	16h	negative	negative	negative	negative	NA	NA	
	1698	16h	negative	negative	negative	negative	NA	NA	
	1699	16h	negative	negative	negative	negative	NA	NA	
	1881	16h	positive	positive	positive	positive	PA	PA	
	1881	16+72h	positive	positive	positive	positive	PA	PA	
	1882	16h	positive	positive	positive	positive	PA	PA	
	1882	16+72h	positive	positive	positive	positive	PA	PA	
	1883	16h	negative	negative	negative	negative	NA	NA	
	1883	16+72h	negative	negative	negative	negative	NA	NA	
	1884	16h	negative	negative	negative	negative	NA	NA	
	Dusts, wastes	916	16h	negative	negative	negative	negative	NA	NA
		925	16h	negative	negative	negative	negative	NA	NA
		928	16h	negative	negative	negative	negative	NA	NA
		930	16h	negative	negative	negative	negative	NA	NA
		931	16h	negative	negative	negative	negative	NA	NA
		932	16h	negative	negative	negative	negative	NA	NA
933		16h	negative	negative	negative	negative	NA	NA	
1686		16h	negative	negative	negative	negative	NA	NA	
1687		16h	negative	negative	negative	negative	NA	NA	
1688		16h	positive	positive	positive	positive	PA	PA	
1688		16+72h	positive	positive	positive	positive	PA	PA	
1689		16h	positive	positive	positive	positive	PA	PA	
1689		16+72h	positive	positive	positive	positive	PA	PA	
1874		16h	positive	positive	positive	positive	PA	PA	
1874		16+72h	positive	positive	positive	positive	PA	PA	
1875		16h	negative	negative	negative	negative	NA	NA	
1875	16+72h	negative	negative	negative	negative	NA	NA		
1876	16h	positive	positive	positive	positive	PA	PA		
1876	16+72h	positive	positive	positive	positive	PA	PA		
1877	16h	positive	positive	positive	positive	PA	PA		
1877	16+72h	positive	positive	positive	positive	PA	PA		

Table C1.9 (continued) Sensitivity data BACGene Salmonella CFX96

Category	Type	Sample No.	Incubation time	final result ISO	final result confirmation	PCR result initial evaluation	PCR result PURE	Agreement (initial data evaluation)	Agreement (PURE evaluation)
Production environmental samples	Dusts, wastes	1878	16h	negative	negative	negative	negative	NA	NA
		1879	16h	positive	positive	positive	positive	PA	PA
		1879	16+72h	positive	positive	positive	positive	PA	PA
		1880	16h	positive	positive	positive	positive	PA	PA
		1880	16+72h	positive	positive	positive	positive	PA	PA
	Swabs, sponges, wipes	917	16h	negative	negative	negative	negative	NA	NA
		918	16h	negative	negative	negative	negative	NA	NA
		919	16h	negative	negative	negative	negative	NA	NA
		920	16h	negative	negative	negative	negative	NA	NA
		921	16h	negative	negative	negative	negative	NA	NA
		922	16h	negative	negative	negative	negative	NA	NA
		923	16h	negative	negative	negative	negative	NA	NA
		924	16h	negative	negative	negative	negative	NA	NA
		926	16h	negative	negative	negative	negative	NA	NA
		927	16h	negative	negative	negative	negative	NA	NA
		929	16h	negative	negative	negative	negative	NA	NA
		934	16h	negative	negative	negative	negative	NA	NA
		935	16h	negative	negative	negative	negative	NA	NA
		936	16h	negative	negative	negative	negative	NA	NA
		1123	16h	positive	positive	positive	positive	PA	PA
		1123	16+72h	positive	positive	positive	positive	PA	PA
		1124	16h	positive	positive	positive	positive	PA	PA
		1124	16+72h	positive	positive	positive	positive	PA	PA
		1125	16h	positive	positive	positive	positive	PA	PA
		1125	16+72h	positive	positive	positive	positive	PA	PA
		1126	16h	positive	positive	positive	positive	PA	PA
		1126	16+72h	positive	positive	positive	positive	PA	PA
		1127	16h	positive	positive	positive	positive	PA	PA
		1127	16+72h	positive	positive	positive	positive	PA	PA
		1128	16h	positive	positive	positive	positive	PA	PA
		1128	16+72h	positive	positive	positive	positive	PA	PA
		1129	16h	positive	positive	positive	positive	PA	PA
		1129	16+72h	positive	positive	positive	positive	PA	PA
		1130	16h	positive	positive	positive	positive	PA	PA
		1130	16+72h	positive	positive	positive	positive	PA	PA
		1133	16h	positive	positive	positive	positive	PA	PA
		1133	16+72h	positive	positive	positive	positive	PA	PA
		1134	16h	positive	positive	positive	positive	PA	PA
		1134	16+72h	positive	positive	positive	positive	PA	PA
		1135	16h	positive	positive	positive	positive	PA	PA
		1135	16+72h	positive	positive	positive	positive	PA	PA
		1136	16h	positive	positive	positive	positive	PA	PA
1136	16+72h	positive	positive	positive	positive	PA	PA		
1137	16h	positive	positive	positive	positive	PA	PA		
1137	16+72h	positive	positive	positive	positive	PA	PA		
1138	16h	positive	positive	positive	positive	PA	PA		
1138	16+72h	positive	positive	positive	positive	PA	PA		
1139	16h	positive	positive	positive	positive	PA	PA		
1139	16+72h	positive	positive	positive	positive	PA	PA		
1140	16h	negative	negative	negative	negative	negative	negative	NA	NA

Table A2.1 RLOD data BACGene Salmonella AriaMX

Category	Level	Sample No.	final result ISO	final result confirmation	initial PCR result	PCR result PURE	
Meat and meat products	0	3497	negative	negative	negative	negative	
		3498	negative	negative	negative	negative	
		3499	negative	negative	negative	negative	
		3500	negative	negative	negative	negative	
		3501	negative	negative	negative	negative	
	Low	3502	positive	positive	positive	positive	positive
		3503	negative	negative	negative	negative	negative
		3504	negative	negative	negative	negative	negative
		3505	negative	negative	negative	negative	negative
		3506	positive	positive	positive	positive	positive
		3507	positive	positive	positive	positive	positive
		3508	negative	negative	negative	negative	negative
		3509	positive	positive	positive	positive	positive
		3510	positive	positive	positive	positive	positive
		3511	positive	positive	positive	positive	positive
		3512	negative	negative	negative	negative	negative
		3513	negative	negative	negative	negative	negative
		3514	negative	negative	negative	negative	negative
		3515	negative	negative	negative	negative	negative
		3516	positive	positive	positive	positive	positive
		3517	negative	negative	negative	negative	negative
	3518	negative	negative	negative	negative	negative	
	3519	negative	negative	negative	negative	negative	
	3520	positive	positive	positive	positive	positive	
	3521	positive	positive	positive	positive	positive	
	High	3522	positive	positive	positive	positive	positive
3523		positive	positive	positive	positive	positive	
3524		positive	positive	positive	positive	positive	
3525		positive	positive	positive	positive	positive	
3526		positive	positive	positive	positive	positive	

Table A2.2 RLOD data BACGene Salmonella AriaMX

Category	Level	Sample No.	final result ISO	final result confirmation	initial PCR result	PCR result PURE	
Milk and dairy products	0	4614	negative	negative	negative	negative	
		4615	negative	negative	negative	negative	
		4616	negative	negative	negative	negative	
		4617	negative	negative	negative	negative	
		4618	negative	negative	negative	negative	
	Low	4619	negative	negative	negative	negative	negative
		4620	negative	negative	negative	negative	negative
		4621	positive	negative	negative	negative	negative
		4622	negative	negative	negative	negative	negative
		4623	negative	negative	negative	negative	negative
		4624	positive	negative	negative	negative	negative
		4625	negative	negative	negative	negative	negative
		4626	negative	negative	negative	negative	negative
		4627	negative	negative	negative	negative	negative
		4628	negative	positive	positive	positive	positive
		4629	positive	negative	negative	negative	negative
		4630	negative	negative	negative	negative	negative
		4631	negative	positive	positive	positive	positive
		4632	negative	positive	positive	positive	positive
		4633	negative	positive	positive	positive	positive
		4634	positive	negative	negative	negative	negative
		4635	positive	negative	negative	negative	negative
		4636	negative	positive	positive	positive	positive
		4637	negative	negative	negative	negative	negative
		4638	negative	positive	positive	positive	positive
	High	4639	positive	positive	positive	positive	positive
		4640	negative	positive	positive	positive	positive
		4641	positive	positive	positive	positive	positive
		4642	positive	negative	negative	negative	negative
		4643	positive	positive	positive	positive	positive

Table A2.3 RLOD data BACGene Salmonella AriaMX

Category	Level	Sample No.	final result ISO	final result confirmation	initial PCR result	PCR result PURE	
Produces	0	4194	negative	negative	negative	negative	
		4195	negative	negative	negative	negative	
		4196	negative	negative	negative	negative	
		4197	negative	negative	negative	negative	
		4198	negative	negative	negative	negative	
	Low	4199	negative	negative	negative	negative	negative
		4200	negative	negative	negative	negative	negative
		4201	positive	positive	positive	positive	positive
		4202	negative	negative	negative	negative	negative
		4203	negative	negative	negative	negative	negative
		4204	positive	positive	positive	positive	positive
		4205	negative	negative	negative	negative	negative
		4206	negative	negative	negative	negative	negative
		4207	negative	negative	negative	negative	negative
		4208	negative	negative	negative	negative	negative
		4209	negative	negative	negative	negative	negative
		4210	negative	negative	negative	negative	negative
		4211	negative	negative	negative	negative	negative
		4212	negative	negative	negative	negative	negative
		4213	positive	positive	positive	positive	positive
		4214	negative	negative	negative	negative	negative
		4215	positive	positive	positive	positive	positive
		4216	negative	negative	negative	negative	negative
	4217	positive	positive	positive	positive	positive	
	4218	negative	negative	negative	negative	negative	
High	4219	negative	negative	negative	negative	negative	
	4220	positive	positive	positive	positive	positive	
	4221	positive	positive	positive	positive	positive	
	4222	positive	positive	positive	positive	positive	
	4223	positive	positive	positive	positive	positive	

Table A2.4 RLOD data BACGene Salmonella AriaMX

Category	Level	Sample No.	final result ISO	final result confirmation	initial PCR result	PCR result PURE	
Eggs and egg products	0	4016	negative	negative	negative	negative	
		4017	negative	negative	negative	negative	
		4018	negative	negative	negative	negative	
		4019	negative	negative	negative	negative	
		4020	negative	negative	negative	negative	
	Low	4021	negative	negative	negative	negative	negative
		4022	negative	negative	negative	negative	negative
		4023	negative	negative	negative	negative	negative
		4024	negative	negative	negative	negative	negative
		4025	positive	positive	positive	positive	positive
		4026	positive	positive	positive	positive	positive
		4027	positive	positive	positive	positive	positive
		4028	negative	negative	negative	negative	negative
		4029	positive	positive	positive	positive	positive
		4030	negative	negative	negative	negative	negative
		4031	positive	positive	positive	positive	positive
		4032	negative	negative	negative	negative	negative
		4033	positive	positive	positive	positive	positive
		4034	negative	negative	negative	negative	negative
		4035	positive	positive	positive	positive	positive
		4036	positive	positive	positive	positive	positive
		4037	positive	positive	positive	positive	positive
		4038	positive	positive	positive	positive	positive
		4039	positive	positive	positive	positive	positive
		4040	positive	positive	positive	positive	positive
	High	4041	negative	negative	negative	negative	negative
		4042	positive	positive	positive	positive	positive
		4043	positive	positive	positive	positive	positive
		4044	positive	positive	positive	positive	positive
		4045	positive	positive	positive	positive	positive

Table A2.5 RLOD data BACGene Salmonella AriaMX

Category	Level	Sample No.	final result ISO	final result confirmation	initial PCR result	PCR result PURE	
Fish and seafood products	0	4502	negative	negative	negative	negative	
		4503	negative	negative	negative	negative	
		4504	negative	negative	negative	negative	
		4505	negative	negative	negative	negative	
		4506	negative	negative	negative	negative	
	Low	4507	negative	negative	negative	negative	negative
		4508	positive	positive	positive	positive	positive
		4509	negative	negative	negative	negative	negative
		4510	negative	negative	negative	negative	negative
		4511	positive	positive	positive	positive	positive
		4512	positive	positive	positive	positive	positive
		4513	positive	positive	positive	positive	positive
		4514	negative	negative	negative	negative	negative
		4515	negative	negative	negative	negative	negative
		4516	positive	positive	positive	positive	positive
		4517	positive	positive	positive	positive	positive
		4518	positive	positive	positive	positive	positive
		4519	positive	positive	positive	positive	positive
		4520	positive	positive	positive	positive	positive
		4521	positive	positive	positive	positive	positive
		4522	positive	positive	positive	positive	positive
		4523	positive	positive	positive	positive	positive
		4524	negative	negative	negative	negative	negative
		4525	positive	positive	positive	positive	positive
	4526	positive	positive	positive	positive	positive	
	High	4527	positive	positive	positive	positive	positive
		4528	positive	positive	positive	positive	positive
		4529	positive	positive	positive	positive	positive
		4530	positive	positive	positive	positive	positive
		4531	positive	positive	positive	positive	positive

Table A2.6 RLOD data BACGene Salmonella AriaMX

Category	Level	Sample No.	final result ISO	final result confirmation	initial PCR result	PCR result PURE
Feed including pet food (25g)	0	1581	negative	negative	negative	negative
		1582	negative	negative	negative	negative
		1583	negative	negative	negative	negative
		1584	negative	negative	negative	negative
		1585	negative	negative	negative	negative
	Low	1586	positive	positive	positive	positive
		1587	positive	positive	positive	positive
		1588	positive	positive	positive	positive
		1589	negative	negative	positive	positive
		1590	negative	negative	negative	negative
		1591	positive	positive	positive	positive
		1592	positive	positive	positive	positive
		1593	positive	positive	positive	positive
		1594	negative	negative	negative	negative
		1595	negative	negative	negative	negative
		1596	positive	positive	positive	positive
		1597	negative	negative	negative	negative
		1598	negative	negative	negative	negative
		1599	positive	positive	positive	positive
		1600	positive	positive	positive	positive
	1601	positive	positive	positive	positive	
1602	positive	positive	positive	positive		
1603	negative	negative	negative	negative		
1604	positive	positive	positive	positive		
1605	positive	positive	positive	positive		
High	1606	positive	positive	positive	positive	
	1607	positive	positive	positive	positive	
	1608	positive	positive	positive	positive	
	1609	positive	positive	positive	positive	
	1610	positive	positive	positive	positive	

Table A2.7 RLOD data BACGene Salmonella AriaMX

Category	Level	Sample No.	final result ISO	final result confirmation	initial PCR result	PCR result PURE
Pet food (375g)	0	1405	negative	negative	negative	negative
		1406	negative	negative	negative	negative
		1407	negative	negative	negative	negative
		1408	negative	negative	negative	negative
		1409	negative	negative	negative	negative
	Low	1410	positive	positive	positive	positive
		1411	positive	positive	positive	positive
		1412	negative	negative	negative	negative
		1413	positive	positive	positive	positive
		1414	negative	negative	negative	negative
		1415	positive	positive	positive	positive
		1416	negative	negative	negative	negative
		1417	negative	negative	negative	negative
		1418	negative	negative	negative	negative
		1419	positive	positive	positive	positive
		1420	positive	positive	positive	positive
		1421	positive	positive	positive	positive
		1422	negative	negative	negative	negative
		1423	positive	positive	positive	positive
		1424	positive	positive	positive	positive
	1425	negative	negative	negative	negative	
	1426	positive	positive	positive	positive	
	1427	negative	negative	negative	negative	
	1428	positive	positive	positive	positive	
	1429	negative	negative	negative	negative	
	High	1430	negative	negative	negative	negative
		1431	negative	negative	negative	negative
		1432	negative	negative	negative	negative
		1433	positive	positive	positive	positive
		1434	negative	negative	negative	negative

Table A2.8 RLOD data BACGene Salmonella AriaMX

Category	Level	Sample No.	final result ISO	final result confirmation	initial PCR result	PCR result PURE	
Milk powders, infant formula with and without probiotics (375g)	0	3064	positive	positive	positive	positive	
		3065	positive	positive	positive	positive	
		3066	positive	positive	positive	positive	
		3067	negative	negative	negative	negative	
		3068	positive	positive	positive	positive	
	Low	3069	positive	positive	positive	positive	positive
		3070	negative	negative	negative	negative	negative
		3071	positive	positive	positive	positive	positive
		3072	positive	positive	positive	positive	positive
		3073	positive	positive	positive	positive	positive
		3074	positive	positive	positive	positive	positive
		3075	positive	positive	positive	positive	positive
		3076	negative	negative	negative	negative	negative
		3078	positive	positive	positive	positive	positive
		3079	negative	negative	negative	negative	negative
		3080	positive	positive	positive	positive	positive
		3081	negative	negative	negative	negative	negative
		3082	positive	positive	positive	positive	positive
		3083	positive	positive	positive	positive	positive
		3077	positive	positive	positive	positive	positive
		3123	negative	negative	negative	negative	negative
		3124	negative	negative	negative	negative	negative
	3125	negative	negative	negative	negative	negative	
	3126	negative	negative	negative	negative	negative	
	3127	negative	negative	negative	negative	negative	
	High	3128	positive	positive	positive	positive	positive
		3129	positive	positive	positive	positive	positive
3130		positive	positive	positive	positive	positive	
3131		positive	positive	positive	positive	positive	
3132		positive	positive	positive	positive	positive	

Table A2.9 RLOD data BACGene Salmonella AriaMX

Category	Level	Sample No.	final result ISO	final result confirmation	initial PCR result	PCR result PURE	
Production environmental samples	0	1785	negative	negative	negative	negative	
		1786	negative	negative	negative	negative	
		1787	negative	negative	negative	negative	
		1788	negative	negative	negative	negative	
		1789	negative	negative	negative	negative	
	Low	1790	negative	negative	negative	negative	negative
		1791	positive	positive	positive	positive	positive
		1792	negative	negative	negative	negative	negative
		1793	positive	positive	positive	positive	positive
		1794	positive	positive	positive	positive	positive
		1795	positive	positive	positive	positive	positive
		1796	positive	positive	positive	positive	positive
		1797	positive	positive	positive	positive	positive
		1798	negative	negative	negative	negative	negative
		1799	negative	negative	negative	negative	negative
		1800	negative	negative	negative	negative	negative
		1801	positive	positive	positive	positive	positive
		1802	positive	positive	positive	positive	positive
		1803	negative	negative	negative	negative	negative
		1804	positive	positive	positive	positive	positive
	1805	negative	negative	negative	negative	negative	
	1806	negative	negative	negative	negative	negative	
	1807	positive	positive	positive	positive	positive	
	1808	positive	positive	positive	positive	positive	
	1809	negative	negative	negative	negative	negative	
	High	1810	positive	positive	positive	positive	positive
		1811	positive	positive	positive	positive	positive
1812		positive	positive	positive	positive	positive	
1813		negative	negative	negative	negative	negative	
1814		positive	positive	positive	positive	positive	

Table C2.1 RLOD data BACGene Salmonella CFX96

Category	Level	Sample No.	final result ISO	final result confirmation	initial PCR result	PCR result PURE	
Meat and meat products	0	3497	negative	negative	negative	negative	
		3498	negative	negative	negative	negative	
		3499	negative	negative	negative	negative	
		3500	negative	negative	negative	negative	
		3501	negative	negative	negative	negative	
	Low	3502	positive	positive	positive	positive	positive
		3503	negative	negative	negative	negative	negative
		3504	negative	negative	negative	negative	negative
		3505	negative	negative	negative	negative	negative
		3506	positive	positive	positive	positive	positive
		3507	positive	positive	positive	positive	positive
		3508	negative	negative	negative	negative	negative
		3509	positive	positive	positive	positive	positive
		3510	positive	positive	positive	positive	positive
		3511	positive	positive	positive	positive	positive
		3512	negative	negative	negative	negative	negative
		3513	negative	negative	negative	negative	negative
		3514	negative	negative	negative	negative	negative
		3515	negative	negative	negative	negative	negative
		3516	positive	positive	positive	positive	positive
		3517	negative	negative	negative	negative	negative
	3518	negative	negative	negative	negative	negative	
	3519	negative	negative	negative	negative	negative	
	3520	positive	positive	positive	positive	positive	
	3521	positive	positive	positive	positive	positive	
	High	3522	positive	positive	positive	positive	positive
3523		positive	positive	positive	positive	positive	
3524		positive	positive	positive	positive	positive	
3525		positive	positive	positive	positive	positive	
3526		positive	positive	positive	positive	positive	

Table C2.2 RLOD data BACGene Salmonella CFX96

Category	Level	Sample No.	final result ISO	final result confirmation	initial PCR result	PCR result PURE	
Milk and dairy products	0	4614	negative	negative	negative	negative	
		4615	negative	negative	negative	negative	
		4616	negative	negative	negative	negative	
		4617	negative	negative	negative	negative	
		4618	negative	negative	negative	negative	
	Low	4619	negative	negative	negative	negative	negative
		4620	negative	negative	negative	negative	negative
		4621	positive	negative	negative	negative	negative
		4622	negative	negative	negative	negative	negative
		4623	negative	negative	negative	negative	negative
		4624	positive	negative	negative	negative	negative
		4625	negative	negative	negative	negative	negative
		4626	negative	negative	negative	negative	negative
		4627	negative	negative	negative	negative	negative
		4628	negative	positive	positive	positive	positive
		4629	positive	negative	negative	negative	negative
		4630	negative	negative	negative	negative	negative
		4631	negative	positive	positive	positive	positive
		4632	negative	positive	positive	positive	positive
		4633	negative	positive	positive	positive	positive
		4634	positive	negative	negative	negative	negative
		4635	positive	negative	negative	negative	negative
		4636	negative	positive	positive	positive	positive
	4637	negative	negative	negative	negative	negative	
	4638	negative	positive	positive	positive	positive	
	High	4639	positive	positive	positive	positive	positive
		4640	negative	positive	positive	positive	positive
4641		positive	positive	positive	positive	positive	
4642		positive	negative	negative	negative	negative	
4643		positive	positive	positive	positive	positive	

Table C2.3 RLOD data BACGene Salmonella CFX96

Category	Level	Sample No.	final result ISO	final result confirmation	initial PCR result	PCR result PURE	
Produces	0	4194	negative	negative	negative	negative	
		4195	negative	negative	negative	negative	
		4196	negative	negative	negative	negative	
		4197	negative	negative	negative	negative	
		4198	negative	negative	negative	negative	
	Low	4199	negative	negative	negative	negative	negative
		4200	negative	negative	negative	negative	negative
		4201	positive	positive	positive	positive	positive
		4202	negative	negative	negative	negative	negative
		4203	negative	negative	negative	negative	negative
		4204	positive	positive	positive	positive	positive
		4205	negative	negative	negative	negative	negative
		4206	negative	negative	negative	negative	negative
		4207	negative	negative	negative	negative	negative
		4208	negative	negative	negative	negative	negative
		4209	negative	negative	negative	negative	negative
		4210	negative	negative	negative	negative	negative
		4211	negative	negative	negative	negative	negative
		4212	negative	negative	negative	negative	negative
		4213	positive	positive	positive	positive	positive
	4214	negative	negative	negative	negative	negative	
	4215	positive	positive	positive	positive	positive	
	4216	negative	negative	negative	negative	negative	
4217	positive	positive	positive	positive	positive		
4218	negative	negative	negative	negative	negative		
High	4219	negative	negative	negative	negative	negative	
	4220	positive	positive	positive	positive	positive	
	4221	positive	positive	positive	positive	positive	
	4222	positive	positive	positive	positive	positive	
	4223	positive	positive	positive	positive	positive	

Table C2.4 RLOD data BACGene Salmonella CFX96

Category	Level	Sample No.	final result ISO	final result confirmation	initial PCR result	PCR result PURE	
Eggs and egg products	0	4016	negative	negative	negative	negative	
		4017	negative	negative	negative	negative	
		4018	negative	negative	negative	negative	
		4019	negative	negative	negative	negative	
		4020	negative	negative	negative	negative	
	Low	4021	negative	negative	negative	negative	negative
		4022	negative	negative	negative	negative	negative
		4023	negative	negative	negative	negative	negative
		4024	negative	negative	negative	negative	negative
		4025	positive	positive	positive	positive	positive
		4026	positive	positive	positive	positive	positive
		4027	positive	positive	positive	positive	positive
		4028	negative	negative	negative	negative	negative
		4029	positive	positive	positive	positive	positive
		4030	negative	negative	negative	negative	negative
		4031	positive	positive	positive	positive	positive
		4032	negative	negative	negative	negative	negative
		4033	positive	positive	positive	positive	positive
		4034	negative	negative	negative	negative	negative
		4035	positive	positive	positive	positive	positive
		4036	positive	positive	positive	positive	positive
		4037	positive	positive	positive	positive	positive
		4038	positive	positive	positive	positive	positive
		4039	positive	positive	positive	positive	positive
		4040	positive	positive	positive	positive	positive
	High	4041	negative	negative	negative	negative	negative
		4042	positive	positive	positive	positive	positive
		4043	positive	positive	positive	positive	positive
		4044	positive	positive	positive	positive	positive
		4045	positive	positive	positive	positive	positive

Table C2.5 RLOD data BACGene Salmonella CFX96

Category	Level	Sample No.	final result ISO	final result confirmation	initial PCR result	PCR result PURE	
Fish and seafood products	0	4502	negative	negative	negative	negative	
		4503	negative	negative	negative	negative	
		4504	negative	negative	negative	negative	
		4505	negative	negative	negative	negative	
		4506	negative	negative	negative	negative	negative
	Low	4507	negative	negative	negative	negative	negative
		4508	positive	positive	positive	positive	positive
		4509	negative	negative	negative	negative	negative
		4510	negative	negative	negative	negative	negative
		4511	positive	positive	positive	positive	positive
		4512	positive	positive	positive	positive	positive
		4513	positive	positive	positive	positive	positive
		4514	negative	negative	negative	negative	negative
		4515	negative	negative	negative	negative	negative
		4516	positive	positive	positive	positive	positive
		4517	positive	positive	positive	positive	positive
		4518	positive	positive	positive	positive	positive
		4519	positive	positive	positive	positive	positive
		4520	positive	positive	positive	positive	positive
		4521	positive	positive	positive	positive	positive
		4522	positive	positive	positive	positive	positive
		4523	positive	positive	positive	positive	positive
		4524	negative	negative	negative	negative	negative
		4525	positive	positive	positive	positive	positive
		4526	positive	positive	positive	positive	positive
	High	4527	positive	positive	positive	positive	positive
		4528	positive	positive	positive	positive	positive
		4529	positive	positive	positive	positive	positive
		4530	positive	positive	positive	positive	positive
		4531	positive	positive	positive	positive	positive

Table C2.6 RLOD data BACGene Salmonella CFX96

Category	Level	Sample No.	final result ISO	final result confirmation	initial PCR result	PCR result PURE	
Feed including pet food (25g)	0	1581	negative	negative	negative	negative	
		1582	negative	negative	negative	negative	
		1583	negative	negative	negative	negative	
		1584	negative	negative	negative	negative	
		1585	negative	negative	negative	negative	
	Low	1586	positive	positive	positive	positive	positive
		1587	positive	positive	positive	positive	positive
		1588	positive	positive	positive	positive	positive
		1589	negative	negative	negative	negative	negative
		1590	negative	negative	negative	negative	negative
		1591	positive	positive	positive	positive	positive
		1592	positive	positive	positive	positive	positive
		1593	positive	positive	positive	positive	positive
		1594	negative	negative	negative	negative	negative
		1595	negative	negative	negative	negative	negative
		1596	positive	positive	positive	positive	positive
		1597	negative	negative	negative	negative	negative
		1598	negative	negative	negative	negative	positive
		1599	positive	positive	positive	positive	positive
		1600	positive	positive	positive	positive	positive
	1601	positive	positive	positive	positive	positive	
	1602	positive	positive	positive	positive	positive	
	1603	negative	negative	negative	negative	negative	
	1604	positive	positive	positive	positive	positive	
	1605	positive	positive	positive	positive	positive	
	High	1606	positive	positive	positive	positive	positive
		1607	positive	positive	positive	positive	positive
		1608	positive	positive	positive	positive	positive
		1609	positive	positive	positive	positive	positive
		1610	positive	positive	positive	positive	positive

Table C2.7 RLOD data BACGene Salmonella CFX96

Category	Level	Sample No.	final result ISO	final result confirmation	initial PCR result	PCR result PURE
Pet food (375g)	0	1405	negative	negative	negative	negative
		1406	negative	negative	negative	negative
		1407	negative	negative	negative	negative
		1408	negative	negative	negative	negative
		1409	negative	negative	negative	negative
	Low	1410	positive	positive	positive	positive
		1411	positive	positive	positive	positive
		1412	negative	negative	negative	negative
		1413	positive	positive	positive	positive
		1414	negative	negative	negative	negative
		1415	positive	positive	positive	positive
		1416	negative	negative	negative	negative
		1417	negative	negative	negative	negative
		1418	negative	negative	negative	negative
		1419	positive	positive	positive	positive
		1420	positive	positive	positive	positive
		1421	positive	positive	positive	positive
		1422	negative	negative	negative	negative
		1423	positive	positive	positive	positive
		1424	positive	positive	positive	positive
		1425	negative	negative	negative	negative
		1426	positive	positive	positive	positive
		1427	negative	negative	negative	negative
		1428	positive	positive	positive	positive
	1429	negative	negative	negative	negative	
	High	1430	negative	negative	negative	negative
		1431	negative	negative	negative	negative
		1432	negative	negative	negative	negative
		1433	positive	positive	positive	positive
		1434	negative	negative	negative	negative

Table C2.8 RLOD data BACGene Salmonella CFX96

Category	Level	Sample No.	final result ISO	final result confirmation	initial PCR result	PCR result PURE
Milk powders, infant formula with and without probiotics (375g)	0	3064	positive	positive	positive	positive
		3065	positive	positive	positive	positive
		3066	positive	positive	positive	positive
		3067	negative	negative	negative	negative
		3068	positive	positive	positive	positive
	Low	3069	positive	positive	positive	positive
		3070	negative	negative	negative	negative
		3071	positive	positive	positive	positive
		3072	positive	positive	positive	positive
		3073	positive	positive	positive	positive
		3074	positive	positive	positive	positive
		3075	positive	positive	positive	positive
		3076	negative	negative	negative	negative
		3077	positive	positive	positive	positive
		3078	positive	positive	positive	positive
		3079	negative	negative	negative	negative
		3080	positive	positive	positive	positive
		3081	negative	negative	negative	negative
		3082	positive	positive	positive	positive
		3083	positive	positive	positive	positive
		3123	negative	negative	negative	negative
		3124	negative	negative	negative	negative
	3125	negative	negative	negative	negative	
	3126	negative	negative	negative	negative	
	3127	negative	negative	negative	negative	
	High	3128	positive	positive	positive	positive
		3129	positive	positive	positive	positive
		3130	positive	positive	positive	positive
		3131	positive	positive	positive	positive
		3132	positive	positive	positive	positive

Table C2.9 RLOD data BACGene Salmonella CFX96

Category	Level	Sample No.	final result ISO	final result confirmation	initial PCR result	PCR result PURE	
Production environmental samples	0	1785	negative	negative	negative	negative	
		1786	negative	negative	negative	negative	
		1787	negative	negative	negative	negative	
		1788	negative	negative	negative	negative	
		1789	negative	negative	negative	negative	
	Low	1790	negative	negative	negative	negative	negative
		1791	positive	positive	positive	positive	positive
		1792	negative	negative	negative	negative	negative
		1793	positive	positive	positive	positive	positive
		1794	positive	positive	positive	positive	positive
		1795	positive	positive	positive	positive	positive
		1796	positive	positive	positive	positive	positive
		1797	positive	positive	positive	positive	positive
		1798	negative	negative	negative	negative	negative
		1799	negative	negative	negative	negative	negative
		1800	negative	negative	negative	negative	negative
		1801	positive	positive	positive	positive	positive
		1802	positive	positive	positive	positive	positive
		1803	negative	negative	negative	negative	negative
		1804	positive	positive	positive	positive	positive
		1805	negative	negative	negative	negative	negative
		1806	negative	negative	negative	negative	negative
		1807	positive	positive	positive	positive	positive
	1808	positive	positive	positive	positive	positive	
	1809	negative	negative	negative	negative	negative	
	High	1810	positive	positive	positive	positive	positive
		1811	positive	positive	positive	positive	positive
		1812	positive	positive	positive	positive	positive
1813		negative	negative	negative	negative	negative	
1814		positive	positive	positive	positive	positive	

Table I Inclusivity data AriaMX and CFX96								
Sample n°	Strain		Reference	Origin	AriaMX		CFX96	
					initial evaluation	PURE evaluation	initial evaluation	PURE evaluation
1	Salmonella	Aberdeen	CIP 105618		positive	positive	positive	positive
2	Salmonella	Abony	CIP 8039		positive	positive	positive	positive
3	Salmonella	Agona	A00V038	Feed for pork	positive	positive	positive	positive
4	Salmonella	Anatum	A00E007	Dusts	positive	positive	positive	positive
5	Salmonella	arizonae (IIIa) 50:z4,z23	CIP 5526	Egg powder	positive	positive	positive	positive
6	Salmonella	arizonae (IIIa) 51:z4,z23	CIP 5523	Turkey meat	positive	positive	positive	positive
7	Salmonella	Bareilly	Ad 1687	Chocolate industry	positive	positive	positive	positive
8	Salmonella	Bardo	Adria 569	Meat for sausage	positive	positive	positive	positive
9	Salmonella	Berta	CIP 105682		positive	positive	positive	positive
10	Salmonella	Blockley	Ad 923	Poultry environment	positive	positive	positive	positive
11	Salmonella	bongori 66 :z35	Ad 599	Environmental sample	positive	positive	positive	positive
12	Salmonella	Bovismorbificans	Adria 6629	Sausage	positive	positive	positive	positive
13	Salmonella	Brandenburg	Ad 351	Seafood cocktail	positive	positive	positive	positive
14	Salmonella	Braenderup	Adria 111	Pork meat	positive	positive	positive	positive
15	Salmonella	Brazzaville	CIP 54141		positive	positive	positive	positive
16	Salmonella	Bredeney	Adria 396	Ground beef	positive	positive	positive	positive
17	Salmonella	Carrau	CIP 105619		positive	positive	positive	positive
18	Salmonella	Cerro	Ad 689	Dehydrated poultry proteins	positive	positive	positive	positive
19	Salmonella	Chester	CIP 103543		positive	positive	positive	positive
20	Salmonella	Choleraesuis	ATCC 51741		positive	positive	positive	positive
21	Salmonella	Corvallis	CIP 105342		positive	positive	positive	positive
22	Salmonella	Dakar	CIP 105620		positive	positive	positive	positive
23	Salmonella	Derby	Ad 1093	Fish fillet	positive	positive	positive	positive
24	Salmonella	diarizonae (IIIb) 38:lv:z53	Ad 451	Ewe milk cheese	positive	positive	positive	positive
25	Salmonella	diarizonae (IIIb) 61:k:1,57	Ad 1300	Raw ewe milk	positive	positive	positive	positive
26	Salmonella	diarizonae S.IIIb 47:lv:z53	Ad478	Clams	positive	positive	positive	positive
27	Salmonella	Dublin	Ad 529	Beef meat	positive	positive	positive	positive
28	Salmonella	Emek	Ad 333		positive	positive	positive	positive
29	Salmonella	Enteritidis	Ad 477	Hen meat	positive	positive	positive	positive
30	Salmonella	Gallinarum	1	Poultry environment	positive	positive	positive	positive
31	Salmonella	Gallinarum biovar pullorum	Ad 300	Poultry environment	positive	positive	positive	positive
32	Salmonella	Garoli	CIP 54139		positive	positive	positive	positive
33	Salmonella	Grumpensis	CIP 105621		positive	positive	positive	positive
34	Salmonella	Guinea	29		positive	positive	positive	positive
35	Salmonella	Hadar	24871	Chicken meat	positive	positive	positive	positive
36	Salmonella	Havana	Ad 930	Poultry environment	positive	positive	positive	positive
37	Salmonella	Heidelberg	A00E005	Dusts from dairy industry	positive	positive	positive	positive
38	Salmonella	Hessarek	CIP 54140		positive	positive	positive	positive
39	Salmonella	houtenae 50:g,z51	Ad 596	Dairy product	positive	positive	positive	positive
40	Salmonella	Indiana	Ad 174	White cheese	positive	positive	positive	positive
41	Salmonella	Indica	Ad 600	Environmental sample	positive	positive	positive	positive
42	Salmonella	Infantis	F401B	Cheese	positive	positive	positive	positive
43	Salmonella	Kedougou	Ad 929	Bovine environmental sample	positive	positive	positive	positive
44	Salmonella	Kentucky	CIP 105623		positive	positive	positive	positive
45	Salmonella	Kottbus	Adria 1	Poultry environmental sample	positive	positive	positive	positive
46	Salmonella	Landau	Ad 499		positive	positive	positive	positive
47	Salmonella	Leipzig	CIP 105624		positive	positive	positive	positive
48	Salmonella	Lille	Adria 37	Food product	positive	positive	positive	positive
49	Salmonella	Livingstone	Ad 1107	Dusts	positive	positive	positive	positive
50	Salmonella	London	Adria 326	Cooked meat sample	positive	positive	positive	positive

Table I (continued) Inclusivity data AriaMX and CFX96								
Sample n°	Strain		Reference	Origin	AriaMX		CFX96	
					initial evaluation	PURE evaluation	initial evaluation	PURE evaluation
51	Salmonella	Luciana	CIP 105629		positive	positive	positive	positive
52	Salmonella	Manhattan	Adria 900	Dusts from dairy industry	positive	positive	positive	positive
53	Salmonella	Maracaibo	CIP 54143		positive	positive	positive	positive
54	Salmonella	Marseille	CIP105627		positive	positive	positive	positive
55	Salmonella	Mbandaka	Ad 914	Mayonnaise	positive	positive	positive	positive
56	Salmonella	Meleagridis	505	Raw milk	positive	positive	positive	positive
57	Salmonella	Mikawasima	CIP 107220		positive	positive	positive	positive
58	Salmonella	Minnesota	CIP 105628		positive	positive	positive	positive
59	Salmonella	Mkamba	Ad 1544	Compost	positive	positive	positive	positive
60	Salmonella	Montevideo	Ad 912	Raw milk	positive	positive	positive	positive
61	Salmonella	Muenchen	CIP 106178		positive	positive	positive	positive
62	Salmonella	Muenster	CIP 107859		positive	positive	positive	positive
63	Salmonella	Napoli	Ad 928	Clinical	positive	positive	positive	positive
64	Salmonella	Newport	Adria 586	Sausage	positive	positive	positive	positive
65	Salmonella	Norwich	Ad 1172		positive	positive	positive	positive
66	Salmonella	Ohio	Ad1482	Raw cow milk	positive	positive	positive	positive
67	Salmonella	Orion	27		positive	positive	positive	positive
68	Salmonella	Ovakam	Ad1647	Compost	positive	positive	positive	positive
69	Salmonella	Panama	Adria 8	Ground beef	positive	positive	positive	positive
70	Salmonella	Paratyphi A	ATCC 9150		positive	positive	positive	positive
71	Salmonella	Paratyphi B	Ad 301	Clinical	positive	positive	positive	positive
72	Salmonella	Paratyphi C	ATCC 13428		positive	positive	positive	positive
73	Salmonella	Pomona	CIP105630		positive	positive	positive	positive
74	Salmonella	Poona	CIP107125		positive	positive	positive	positive
75	Salmonella	Regent	Adria 328	Duck	positive	positive	positive	positive
76	Salmonella	Rissen	Adria 39	Food product	positive	positive	positive	positive
77	Salmonella	Saintpaul	Adria F31	Pilchard fillets	positive	positive	positive	positive
78	Salmonella	salamae 42ib:enxz15	Ad 593	Cereals	positive	positive	positive	positive
79	Salmonella	salamae S II 1,13,23:gmt:enx	Ad450	Ewe milk	positive	positive	positive	positive
80	Salmonella	Salford	CIP104917		positive	positive	positive	positive
81	Salmonella	Senftenberg	Ad 355	Seafood cocktail	positive	positive	positive	positive
82	Salmonella	Stanley	CIP106163		positive	positive	positive	positive
83	Salmonella	Sternschanze	Ad500		positive	positive	positive	positive
84	Salmonella	Strasbourg	CIP105632		positive	positive	positive	positive
85	Salmonella	Tananarive	CIP54142		positive	positive	positive	positive
86	Salmonella	Tennessee	A00E006	Dusts from dairy industry	positive	positive	positive	positive
87	Salmonella	Thompson	AER301	Poultry	positive	positive	positive	positive
88	Salmonella	Typhi	Ad 302	Clinical	positive	positive	positive	positive
89	Salmonella	Typhimurium	Ad 1070	Pork meat	positive	positive	positive	positive
90	Salmonella	Typhimurium SI 1,4 [5], I2:-:-	Ad 1333	Tiramisu	positive	positive	positive	positive
91	Salmonella	Typhimurium SI 1,4 [5], I2:-:-1,2	Ad 1335	Poultry environmental sample	positive	positive	positive	positive
92	Salmonella	Typhimurium SI 1,4 [5], I2:-:-	Ad 1334	Ready to cook pork	positive	positive	positive	positive
93	Salmonella	Urbana	Ad501		positive	positive	positive	positive
94	Salmonella	Veneziana	Adria 233	Food product	positive	positive	positive	positive
95	Salmonella	Virchow	Adria F276	Curry	positive	positive	positive	positive
96	Salmonella	Waycross	CIP105634		positive	positive	positive	positive
97	Salmonella	Wayne	Ad502		positive	positive	positive	positive
98	Salmonella	Wien	CIP8122		positive	positive	positive	positive
99	Salmonella	Worthington	Adria 3506	Pâté	positive	positive	positive	positive
100	Salmonella	Zanzibar	CIP107479		positive	positive	positive	positive

Table E Exclusivity data AriaMX and CFX96							
Sample n°	Strain	Reference	Origin	AriaMX		CFX96	
				initial evaluation	PURE evaluation	initial evaluation	PURE evaluation
1.	Citrobacter braakii	Ad833	Raw beef meat	negative	negative	negative	negative
2.	Citrobacter Diversus	adria 140	Raw milk	negative	negative	negative	negative
3.	Citrobacter freundii	adria 23	Raw pork sausage	negative	negative	negative	negative
4.	Citrobacter freundii	adria 175	Raw duck meat	negative	negative	negative	negative
5.	Citrobacter koseri	adria 71	Frozen vegetables	negative	negative	negative	negative
6.	Enterobacter agglomerans	adria 11	Cheese	negative	negative	negative	negative
7.	Enterobacter amnigenus	A00C068	Raw poultry meat	negative	negative	negative	negative
8.	Enterobacter cloacae	adria 10	Raw milk	negative	negative	negative	negative
9.	Enterobacter intermedius	adria 60	Bean	negative	negative	negative	negative
10.	Enterobacter kobei	Ad 341,5	Ham	negative	negative	negative	negative
11.	Enterobacter sakazakii	adria 95	Fermented milk	negative	negative	negative	negative
12.	Erwinia carotovora	CIP 8283	Potatoes	negative	negative	negative	negative
13.	Escherichia coli	adria 19	Greated carrots	negative	negative	negative	negative
14.	Escherichia hermanii	Ad 461	Dessert	negative	negative	negative	negative
15.	Escherichia vulneris	adria 127	Raw milk	negative	negative	negative	negative
16.	Hafnia alvei	adria 167	Raw pork sausage	negative	negative	negative	negative
17.	Klebsiella oxytoca	57	Food product	negative	negative	negative	negative
18.	Klebsiella pneumoniae	47	Raw turkey meat	negative	negative	negative	negative
19.	Kluyvera spp	adria 41	Raw milk	negative	negative	negative	negative
20.	Morganella morganii	CIP A236	/	negative	negative	negative	negative
21.	Pantoea agglomerans	adria 86	Frozen vegetables	negative	negative	negative	negative
22.	Proteus mirabilis	Ad639	Mayonnaise	negative	negative	negative	negative
23.	Proteus vulgaris	adria 43	Sliced ham	negative	negative	negative	negative
24.	Providencia rettgeri	adria 112	White liquid egg	negative	negative	negative	negative
25.	Rhanella aquatilis	adria 69	Molluscs	negative	negative	negative	negative
26.	Serratia liquefaciens	26	Egg product	negative	negative	negative	negative
27.	Serratia proteomaculans	A00C056	Ham	negative	negative	negative	negative
28.	Shigella flexneri	CIP 8248	/	negative	negative	negative	negative
29.	Shigella sonnei	249T (ATCC 29	/	negative	negative	negative	negative
30.	Yersinia enterocolitica	adria 32	Bacon	negative	negative	negative	negative

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