

Catalogue Code:
QAB094132

Ref Code:
BPDNA 18

Challenge:
S

Analysis Type:
Qualitative

Dataset:
218223

Report UID:
2677/218223/1499

Laboratory
CZ023

Intended Results / Panel Composition

Sample Code	Sample Content	Matrix	Sample Relationships ^[1]	Detection Frequency ^[2]	Sample Status ^[3]	Percentage Correct (All) ^[4]	
						(%)	(n)
BPDNA 18S-01	B. pertussis	Saline	DS1_2	Frequently Detected	CORE	98.4	183
BPDNA 18S-02	B. pertussis	Saline	DS1_3	Frequently Detected	CORE	96.2	183
BPDNA 18S-03	B. pertussis	Saline	DS1_1	Frequently Detected	CORE	98.4	183
BPDNA 18S-04	B. pertussis	Liquid Amies	DS2_1	Frequently Detected	CORE	99.5	183
BPDNA 18S-05	B. pertussis	Liquid Amies	DS2_3	Detected	CORE	93.4	183
BPDNA 18S-06	B. holmesii (IS481+)	Saline		Negative	EDUCATIONAL	50.3	183
BPDNA 18S-07	H. influenzae	Saline		Negative	CORE	98.9	183
BPDNA 18S-08	B. parapertussis	Saline		Negative	CORE	91.3	183
BPDNA 18S-09	Bordetella negative	Saline		Negative	CORE	97.8	183
BPDNA 18S-10	B. pertussis	Liquid Amies	DS2_2	Frequently Detected	CORE	99.5	183

[1] Sample Relationships: Indicates the relationships of the samples within this challenge. Dilution series are indicated by 'DS1' with each panel member in the dilution series represented by a number in order of titre, where DS1_1 represents the highest titre within that dilution series. Further dilution series are indicated by 'DS2' 'DS3' etc. If one duplicate pair is present this is indicated by 'D1'. Further duplicate pairs are indicated by 'D2', 'D3' etc.

[2] Detection Frequency: To aid qualitative analysis each panel member is assigned a frequency of detection. This is based on the peer group consensus of all qualitative results returned from participants within the EQA challenge / distribution.

[3] Sample Status: EQA samples are defined as "CORE" or "EDUCATIONAL". Core proficiency samples are reviewed by the QCMD Scientific Expert(s). This is on the basis of scientific information, clinical relevance, current literature and, where appropriate, professional clinical guidelines. Participating laboratories are expected to report core proficiency samples correctly within the EQA challenge / distribution.

[4] Percentage Correct (All): Percentage of datasets (%) reporting the correct qualitative result and the total number of datasets (n) reported for each panel member.

For further details please refer to the current participant manual.

Individual Report

QCMD 2018 Bordetella pertussis DNA EQA Programme



Catalogue Code: QAB094132	Ref Code: BPDNA18	Challenge: S	Analysis Type: Qualitative	Dataset: 218223	Report UID: 2677/218223/1499	Laboratory: CZ023
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Your Summary Results

EQA Assessment Group ^[1]

GeneProof Real Time PCR kit

Core Panel Detection (Qualitative) Score ^[2]

0

Core Panel Members Results

Sample Code	Qualitative Results			Your Quantitative Data (for information only) ^[3]		
	Percentage Correct (All) ^[4]	Your Result ^[5]	Detection Score ^[6]	Reported Value	Unitage	Cycle Threshold
BPDNA 18S-01	98.4	Positive	0		N/A	26.2
BPDNA 18S-02	96.2	Positive	0		N/A	30.4
BPDNA 18S-03	98.4	Positive	0		N/A	23.7
BPDNA 18S-04	99.5	Positive	0		N/A	24.25
BPDNA 18S-05	93.4	Positive	0		N/A	31.0
BPDNA 18S-07	98.9	Negative	0		N/A	-
BPDNA 18S-08	91.3	Negative	0		N/A	-
BPDNA 18S-09	97.8	Negative	0		N/A	-
BPDNA 18S-10	99.5	Positive	0		N/A	26.4

[1] **EQA Assessment Group:** To aid data analysis, participant results are grouped according to the molecular amplification/detection method specified within their molecular workflow for this challenge / distribution. For further details refer to the *Additional Information: Individual Panel Member Analysis* section of this report.

[2] **Core Panel Detection (Qualitative) Score:** An overall core panel detection score provided per challenge / distribution.


[3] **Quantitative Data (for information only):** This is the quantitative value, unitage and cycle threshold you provided when you submitted your results. For qualitative programmes this information is not used as part of your formal EQA assessment.

[4] **Percentage Correct (All):** Percentage of datasets (%) reporting the correct qualitative results for each panel member.

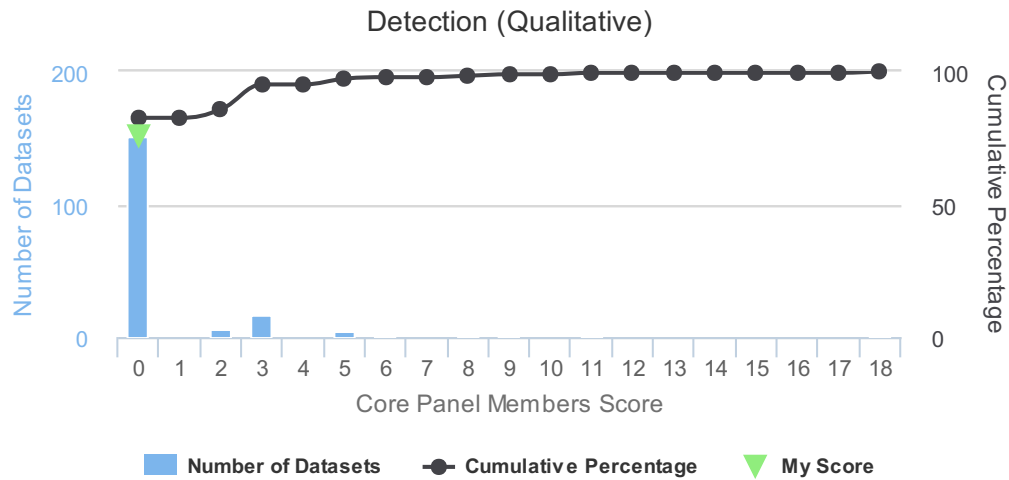
[5] **Your Result:** The qualitative result you reported for each sample within this EQA challenge / distribution.

[6] **Detection Score:** Your detection (qualitative) scores are based on the assigned detection frequency of each panel members, where 0 (zero) is "highly satisfactory" and 3 (three) is "highly unsatisfactory". Scores are provided for individual panel members.

For further details please refer to the current participant manual.

Individual Report	QCMD 2018 Bordetella pertussis DNA EQA Programme				 Quality Control for Molecular Diagnostics	
Catalogue Code: QAB094132	Ref Code: BPDNA18	Challenge: S	Analysis Type: Qualitative	Dataset: 218223	Report UID: 2677/218223/1499	Laboratory CZ023

Core Panel Member Score Breakdown




Core Panel Member Score Breakdown - Detection: This figure gives you a breakdown of the qualitative detection scores for all qualitative datasets returned within this EQA challenge / distribution independent of the EQA assessment group. Panel detection scores are generated from only those panel members that are defined as “CORE”.

For further details please refer to the current participant manual.

My Workflow Details

The details of the workflow(s) used to submit your results for this challenge.

Name	Bordetella pertussis/parapertussis PCR Kit (v2)
Description	
Targets	<ul style="list-style-type: none"> B Bordetella parapertussis B Bordetella pertussis
Assays	<ul style="list-style-type: none"> A <i>Extraction</i> - Manual Extraction Process <ul style="list-style-type: none"> ● Commercial <ul style="list-style-type: none"> ○ Kit Manufacturer: <i>GeneProof</i> ○ Kit Type: <i>PathogenFree DNA Isolation Kit</i> R <i>Amplification</i> - Shanghai Hongshi Medical Technology - SLAN <ul style="list-style-type: none"> ● Commercial <ul style="list-style-type: none"> ○ Kit Manufacturer: <i>GeneProof</i> ○ Kit Type: <i>Bordetella pertussis/parapertussis PCR Kit</i> ○ Kit Version: <i>ISEX</i>

Individual Report	QCMD 2018 Bordetella pertussis DNA EQA Programme				 <small>Quality Control for Molecular Diagnostics</small>	
Catalogue Code: QAB094132	Ref Code: BPDNA18	Challenge: S	Analysis Type: Qualitative	Dataset: 218223	Report UID: 2677/218223/1499	Laboratory CZ023

Educational Panel Members Results

Sample Code	Qualitative Results			Your Quantitative Data (for information only) [1]		
	Percentage Correct (All) [2]	Your Result [3]	Detection Score [4]	Reported Value	Unitage	Cycle Threshold
BPDNA18S-06	50.3	Negative	0		N/A	-

[1] **Quantitative Data (for information only):** This is the quantitative value, unitage and cycle threshold you provided when you submitted your results. For qualitative programmes this information is not used as part of your formal EQA assessment.

[2] **Percentage Correct (All):** Percentage of datasets (%) reporting the correct qualitative results for each panel member.

[3] **Your Result:** The qualitative result you reported for each sample within this EQA challenge / distribution.

[4] **Detection Score:** Your detection (qualitative) scores are based on the assigned detection frequency of each panel members, where 0 (zero) is "highly satisfactory" and 3 (three) is "highly unsatisfactory". Scores are provided for individual panel members.

For further details please refer to the current participant manual.

Further Programme Details

Number of Participants	183
Number of Countries	29
Number of Respondents	173
Number of Datasets Submitted	183
Qualitative Results Returned	183 (100.0%)


EQA Programme Aims

To assess the proficiency of laboratories in the detection of *Bordetella pertussis*.

Feedback and Enquiries

Participants are encouraged to read the QCMD Participants' Manual, which can be downloaded from the QCMD website.

Any queries about this report should be addressed to the QCMD Neutral Office (neutraloffice@qcmd.org).

Individual Report	QCMD 2018 Bordetella pertussis DNA EQA Programme					
Catalogue Code: QAB094132	Ref Code: BPDNA18	Challenge: S	Analysis Type: Qualitative	Dataset: 218223	Report UID: 2677/218223/1499	Laboratory CZ023

Panel member analysis is separated into CORE samples followed by EDUCATIONAL samples.

Additional Core Samples Information

The following section has been categorised as shown below:

Core ► Qualitative

Individual Panel Member Analysis (Qualitative)

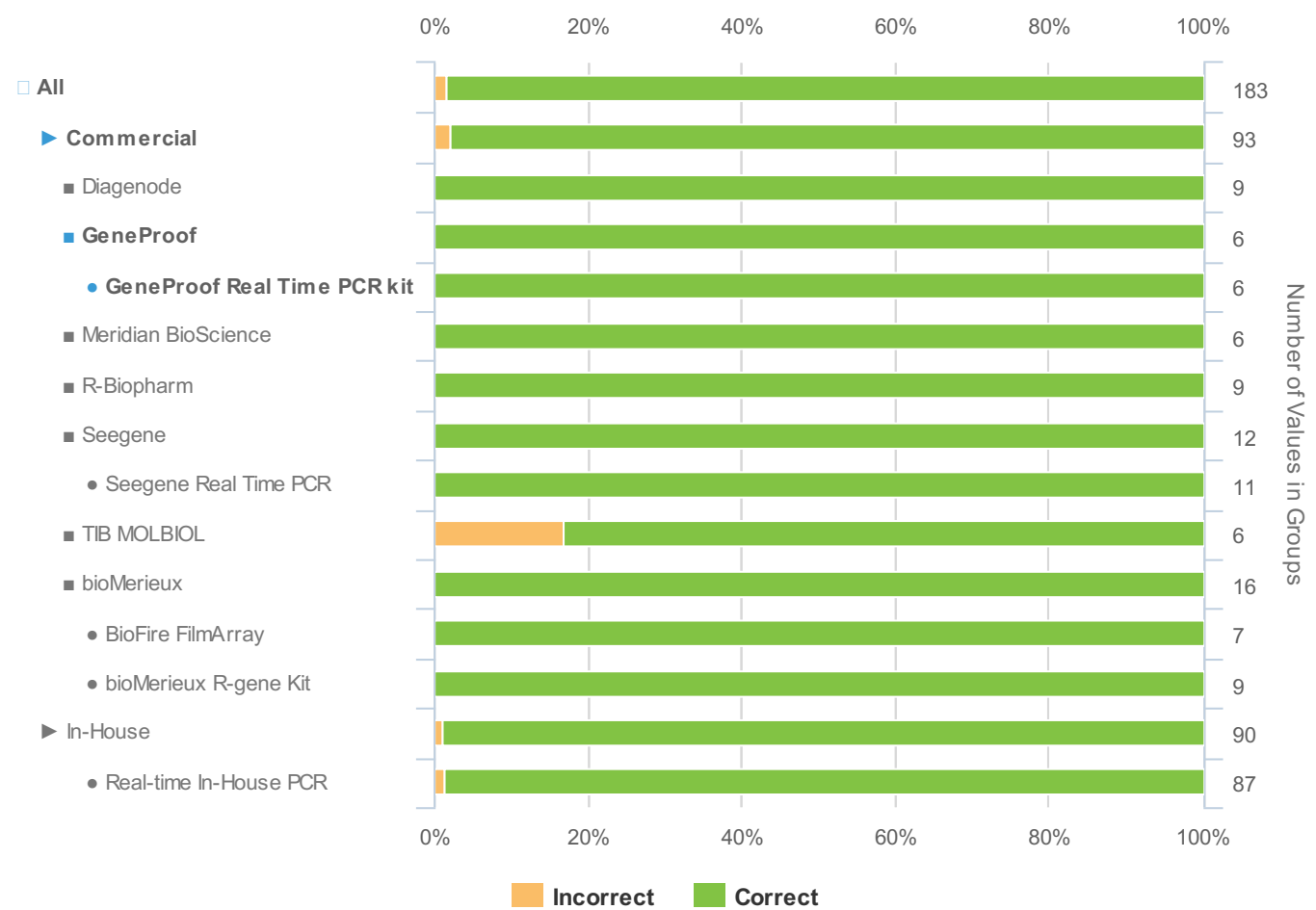
Qualitative analysis for each panel member is provided in relation to your EQA assessment group. EQA assessment groups are established using the molecular workflow information reported by all participants within this EQA challenge / distribution. The principal level of assessment is at the individual method level which is defined based on your reported “amplification/detection method” and other laboratories using the same or similar amplification/detection methods.

To allow meaningful assessment at the individual method level the EQA assessment group must consist of 5 or more datasets. If there are not sufficient datasets at the individual method level then your results will be included within a higher EQA assessment group based on whether it is a commercial or in house technology/method. The highest level assessment grouping is “All” participant reported qualitative results.

A breakdown of qualitative results reported by participants on each of the panel members within this EQA challenge / distribution is provided below. You can compare your results to those within your EQA assessment group and those obtained within other EQA assessment groups or to the overall consensus for each sample within this EQA challenge / distribution.

BPDNA18S-01 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
BPDNA18S-01	B. pertussis	Saline	DS1_2	Frequently Detected	CORE	98.4	183



Individual Report**QCMD 2018 Bordetella pertussis DNA
EQA Programme**

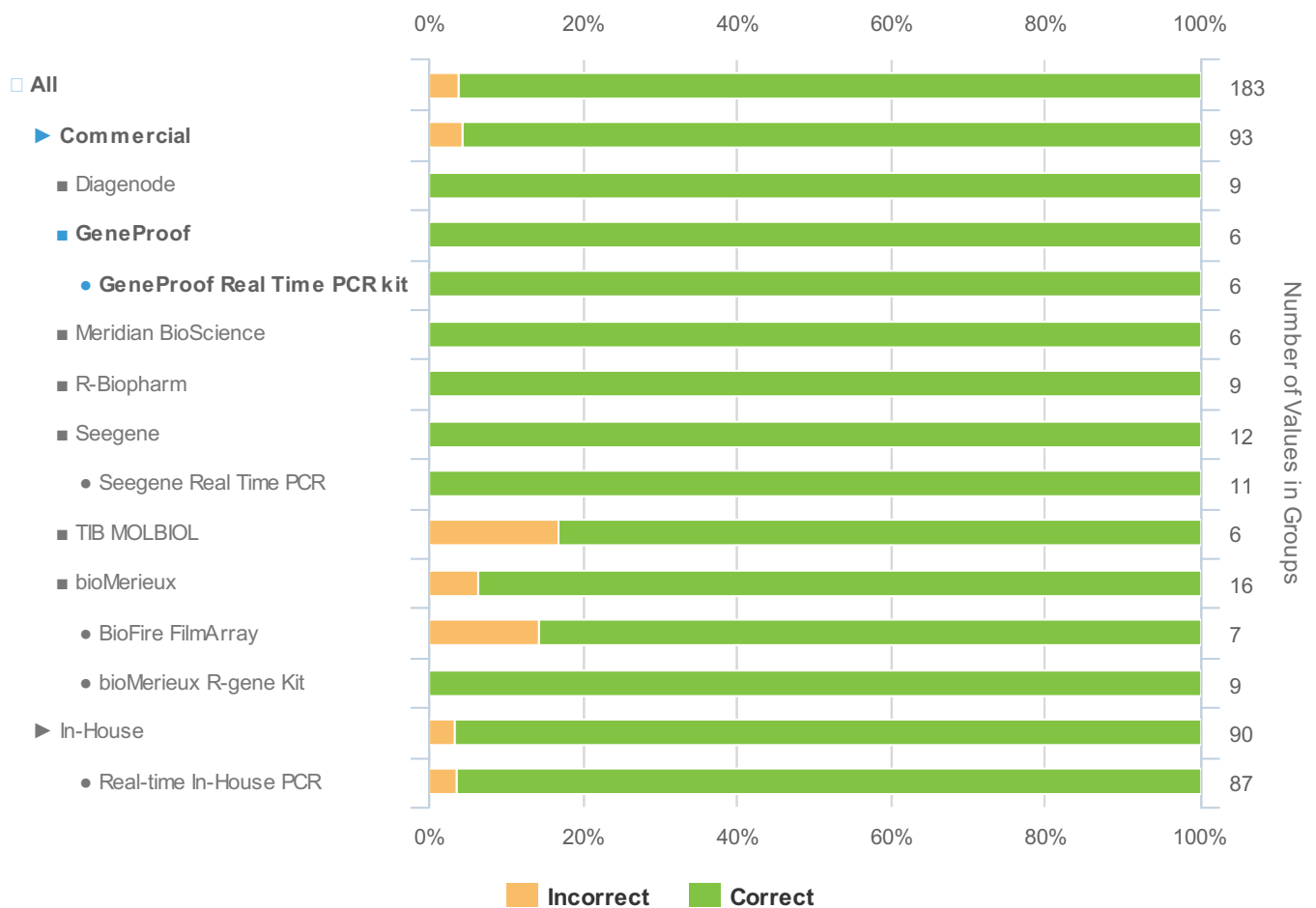
Catalogue Code: QAB094132	Ref Code: BPDNA18	Challenge: S	Analysis Type: Qualitative	Dataset: 218223	Report UID: 2677/218223/1499	Laboratory CZ023
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Groups below n=5: Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics RealStar (n=1), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics Easy-Plex (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD MAX (n=2), Bio-Evolution (n=2), Bio-Evolution - Bio-Evolution Real Time PCR (n=2), BioGX (n=2), BioGX - BioGX Sample-Ready (n=2), Cepheid (n=3), Cepheid - Cepheid Smart Reagents (n=3), Certest (n=1), Certest - Certest Real Time PCR (n=1), Eurobio (n=1), Eurobio - Eurobio Real Time PCR (n=1), GenMark Dx (n=1), GenMark Dx - GenMark DX ePlex (n=1), Luminex (n=1), Luminex - Luminex PCR Reagents (n=1), Master Diagnostica (n=1), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Medical Innovation Ventures (n=1), Medical Innovation Ventures - MIV GenoAmp Kit (n=1), PathoFinder (n=2), PathoFinder - PathoFinder Real Time PCR (n=2), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesis (n=1), Quidel (n=2), Quidel - Quidel AmpliVue (n=1), Quidel - Quidel Solana (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Seegene - Seegene Seeplex (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), fast-track DIAGNOSTICS (n=3), fast-track DIAGNOSTICS - FTD real time PCR (n=3), vircell (n=1), vircell - vircell Speed-oligo (n=1), In-House - Conventional In-House PCR (n=3)

Groups Rolled Up: Diagenode - Diagenode Real Time kit (n=9), Meridian BioScience - Meridian Bioscience illumigene (n=6), R-Biopharm - R-Biopharm RIDA Gene (n=9), TIB MOLBIOL - TIB MOLBIOL LightMix (n=6)

BPDNA18S-02 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
BPDNA18S-02	B. pertussis	Saline	DS1_3	Frequently Detected	CORE	96.2	183



Individual Report


QCMD 2018 Bordetella pertussis DNA EQA Programme



Catalogue Code: QAB094132	Ref Code: BPDNA18	Challenge: S	Analysis Type: Qualitative	Dataset: 218223	Report UID: 2677/218223/1499	Laboratory: CZ023
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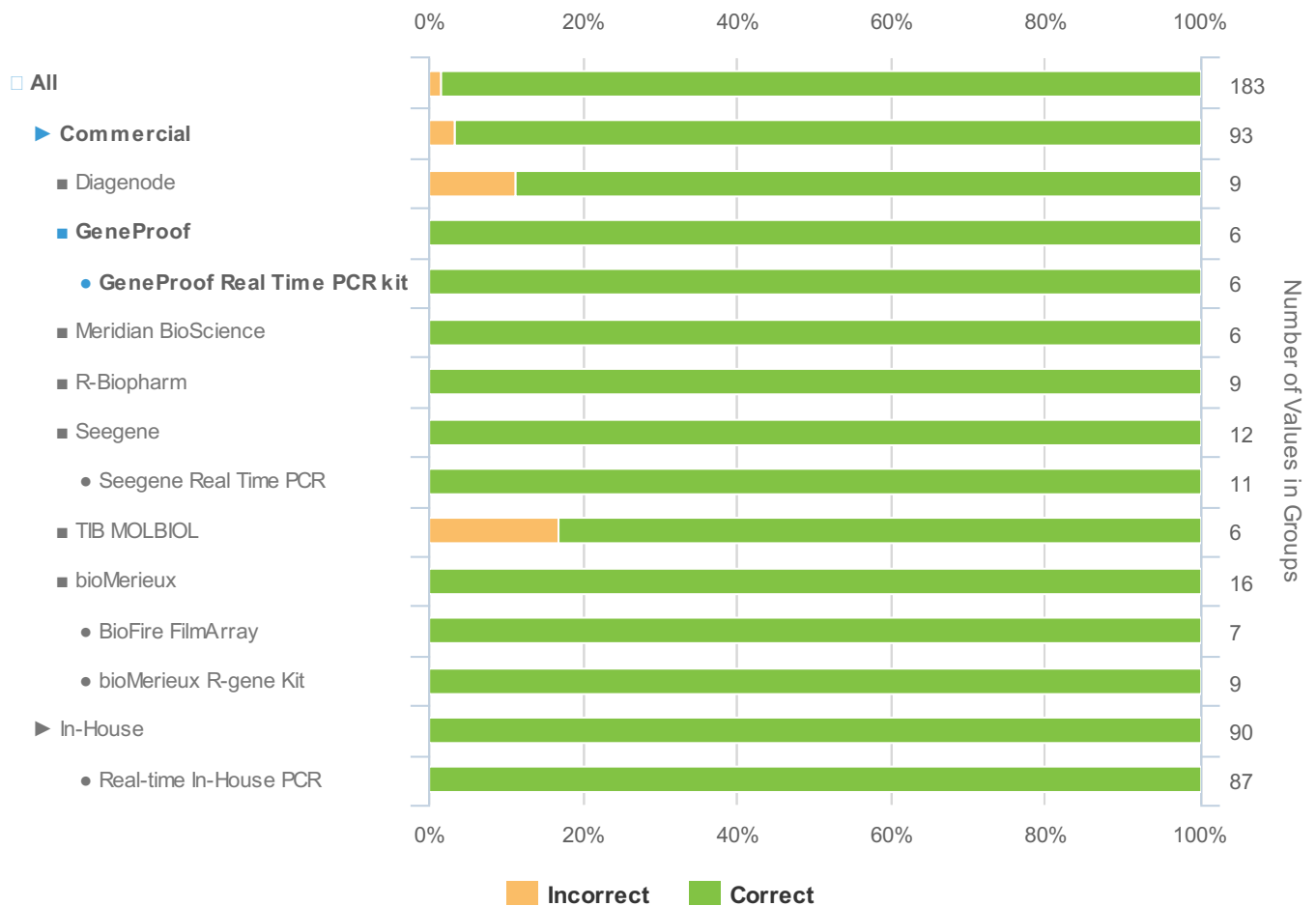
Groups below n=5: Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics RealStar (n=1), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics Easy-Plex (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD MAX (n=2), Bio-Evolution (n=2), Bio-Evolution - Bio-Evolution Real Time PCR (n=2), BioGX (n=2), BioGX - BioGX Sample-Ready (n=2), Cepheid (n=3), Cepheid - Cepheid Smart Reagents (n=3), Certest (n=1), Certest - Certest Real Time PCR (n=1), Eurobio (n=1), Eurobio - Eurobio Real Time PCR (n=1), GenMark Dx (n=1), GenMark Dx - GenMark DX ePlex (n=1), Luminex (n=1), Luminex - Luminex PCR Reagents (n=1), Master Diagnostica (n=1), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Medical Innovation Ventures (n=1), Medical Innovation Ventures - MIV GenoAmp Kit (n=1), PathoFinder (n=2), PathoFinder - PathoFinder Real Time PCR (n=2), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesis (n=1), Quidel (n=2), Quidel - Quidel AmpliVue (n=1), Quidel - Quidel Solana (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Seegene - Seegene Seeplex (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), fast-track DIAGNOSTICS (n=3), fast-track DIAGNOSTICS - FTD real time PCR (n=3), vircell (n=1), vircell - vircell Speed-oligo (n=1), In-House - Conventional In-House PCR (n=3)

Groups Rolled Up: Diagenode - Diagenode Real Time kit (n=9), Meridian BioScience - Meridian Bioscience illumigene (n=6), R-Biopharm - R-Biopharm RIDA Gene (n=9), TIB MOLBIOL - TIB MOLBIOL LightMix (n=6)

Individual Report		QCMD 2018 Bordetella pertussis DNA EQA Programme				 <small>Quality Control for Molecular Diagnostics</small>	
Catalogue Code: QAB094132	Ref Code: BPDNA18	Challenge: S	Analysis Type: Qualitative	Dataset: 218223	Report UID: 2677/218223/1499	Laboratory CZ023	

BPDNA18S-03 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
BPDNA18S-03	B. pertussis	Saline	DS1_1	Frequently Detected	CORE	98.4	183



Individual Report

QCMD 2018 Bordetella pertussis DNA EQA Programme



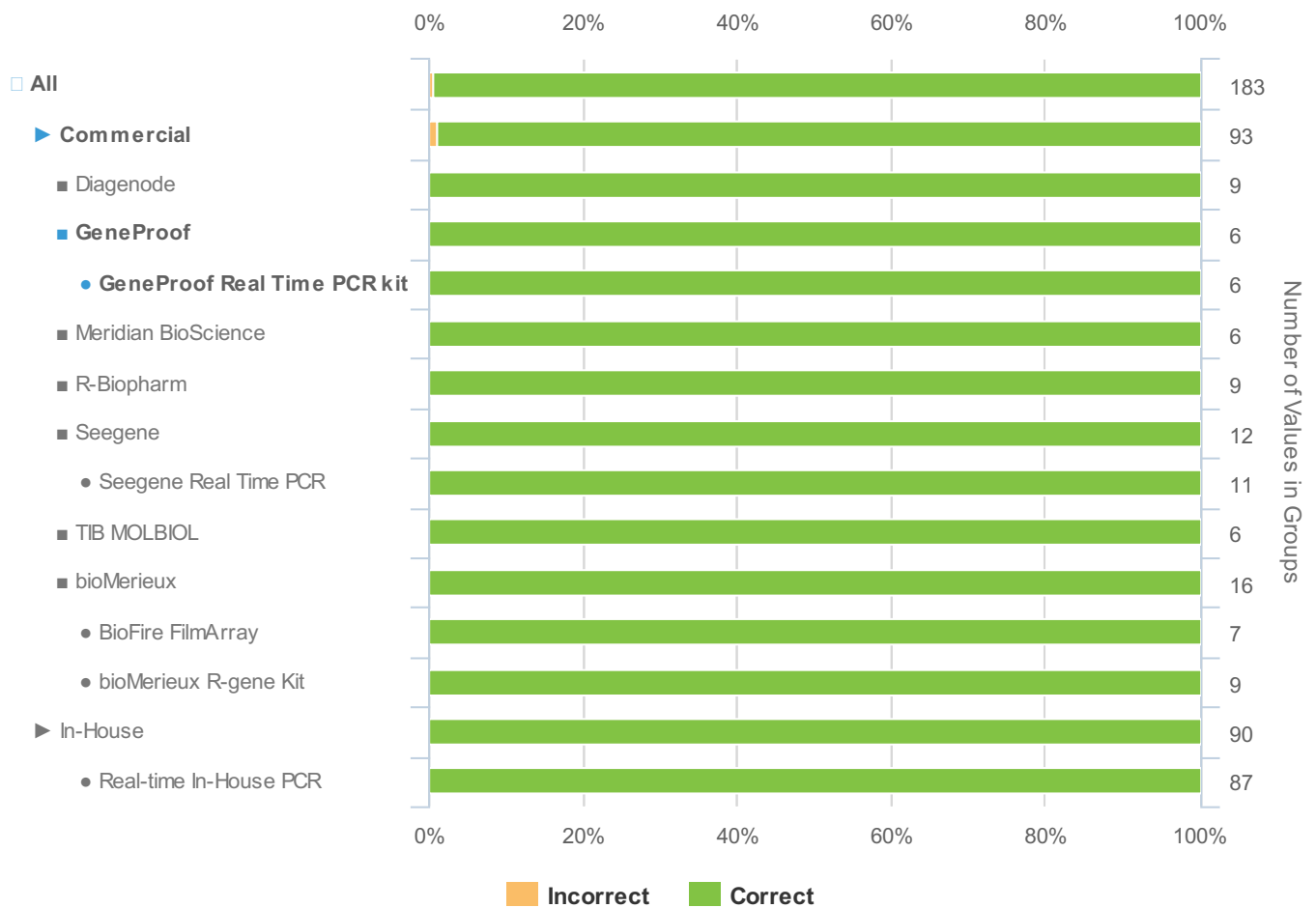
Catalogue Code: QAB094132	Ref Code: BPDNA18	Challenge: S	Analysis Type: Qualitative	Dataset: 218223	Report UID: 2677/218223/1499	Laboratory: CZ023
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Groups below n=5: Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics RealStar (n=1), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics Easy-Plex (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD MAX (n=2), Bio-Evolution (n=2), Bio-Evolution - Bio-Evolution Real Time PCR (n=2), BioGX (n=2), BioGX - BioGX Sample-Ready (n=2), Cepheid (n=3), Cepheid - Cepheid Smart Reagents (n=3), Certest (n=1), Certest - Certest Real Time PCR (n=1), Eurobio (n=1), Eurobio - Eurobio Real Time PCR (n=1), GenMark Dx (n=1), GenMark Dx - GenMark DX ePlex (n=1), Luminex (n=1), Luminex - Luminex PCR Reagents (n=1), Master Diagnostica (n=1), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Medical Innovation Ventures (n=1), Medical Innovation Ventures - MIV GenoAmp Kit (n=1), PathoFinder (n=2), PathoFinder - PathoFinder Real Time PCR (n=2), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesis (n=1), Quidel (n=2), Quidel - Quidel AmpliVue (n=1), Quidel - Quidel Solana (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Seegene - Seegene Seeplex (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), fast-track DIAGNOSTICS (n=3), fast-track DIAGNOSTICS - FTD real time PCR (n=3), vircell (n=1), vircell - vircell Speed-oligo (n=1), In-House - Conventional In-House PCR (n=3)

Groups Rolled Up: Diagenode - Diagenode Real Time kit (n=9), Meridian BioScience - Meridian Bioscience illumigene (n=6), R-Biopharm - R-Biopharm RIDA Gene (n=9), TIB MOLBIOL - TIB MOLBIOL LightMix (n=6)

BPDNA18S-04 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
BPDNA18S-04	B. pertussis	Liquid Amies	DS2_1	Frequently Detected	CORE	99.5	183



Individual Report

QCMD 2018 Bordetella pertussis DNA EQA Programme



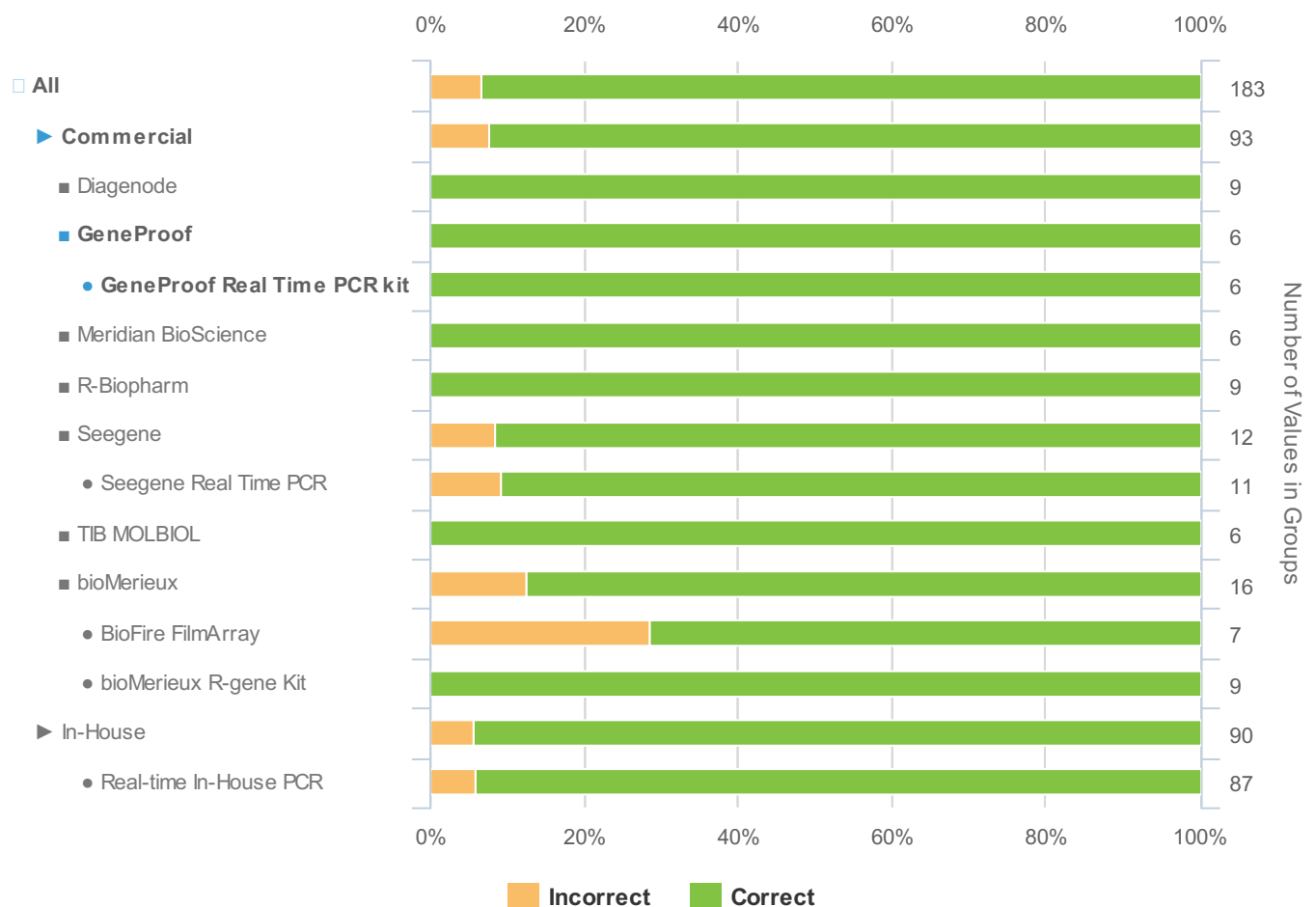
Catalogue Code: QAB094132	Ref Code: BPDNA18	Challenge: S	Analysis Type: Qualitative	Dataset: 218223	Report UID: 2677/218223/1499	Laboratory CZ023
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Groups below n=5: Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics RealStar (n=1), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics Easy-Plex (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD MAX (n=2), Bio-Evolution (n=2), Bio-Evolution - Bio-Evolution Real Time PCR (n=2), BioGX (n=2), BioGX - BioGX Sample-Ready (n=2), Cepheid (n=3), Cepheid - Cepheid Smart Reagents (n=3), Certest (n=1), Certest - Certest Real Time PCR (n=1), Eurobio (n=1), Eurobio - Eurobio Real Time PCR (n=1), GenMark Dx (n=1), GenMark Dx - GenMark DX ePlex (n=1), Luminex (n=1), Luminex - Luminex PCR Reagents (n=1), Master Diagnostica (n=1), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Medical Innovation Ventures (n=1), Medical Innovation Ventures - MIV GenoAmp Kit (n=1), PathoFinder (n=2), PathoFinder - PathoFinder Real Time PCR (n=2), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesis (n=1), Quidel (n=2), Quidel - Quidel AmpliVue (n=1), Quidel - Quidel Solana (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Seegene - Seegene Seeplex (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), fast-track DIAGNOSTICS (n=3), fast-track DIAGNOSTICS - FTD real time PCR (n=3), vircell (n=1), vircell - vircell Speed-oligo (n=1), In-House - Conventional In-House PCR (n=3)

Groups Rolled Up: Diagenode - Diagenode Real Time kit (n=9), Meridian BioScience - Meridian Bioscience illumigene (n=6), R-Biopharm - R-Biopharm RIDA Gene (n=9), TIB MOLBIOL - TIB MOLBIOL LightMix (n=6)

BPDNA18S-05 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
BPDNA 18S-05	B. pertussis	Liquid Amies	DS2_3	Detected	CORE	93.4	183



Individual Report

QCMD 2018 Bordetella pertussis DNA EQA Programme



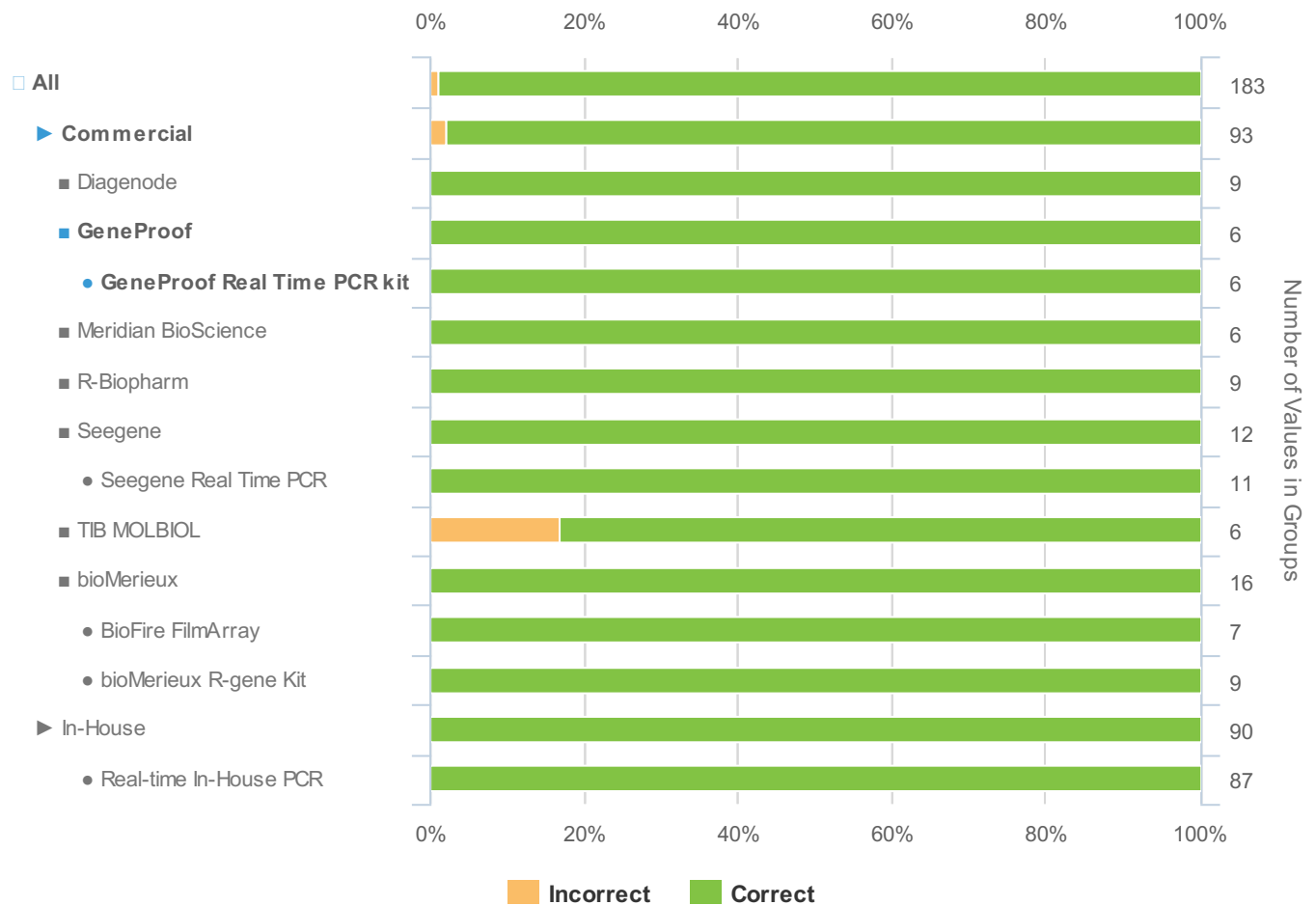
Catalogue Code: QAB094132	Ref Code: BPDNA18	Challenge: S	Analysis Type: Qualitative	Dataset: 218223	Report UID: 2677/218223/1499	Laboratory: CZ023
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Groups below n=5: Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics RealStar (n=1), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics Easy-Plex (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD MAX (n=2), Bio-Evolution (n=2), Bio-Evolution - Bio-Evolution Real Time PCR (n=2), BioGX (n=2), BioGX - BioGX Sample-Ready (n=2), Cepheid (n=3), Cepheid - Cepheid Smart Reagents (n=3), Certest (n=1), Certest - Certest Real Time PCR (n=1), Eurobio (n=1), Eurobio - Eurobio Real Time PCR (n=1), GenMark Dx (n=1), GenMark Dx - GenMark DX ePlex (n=1), Luminex (n=1), Luminex - Luminex PCR Reagents (n=1), Master Diagnostica (n=1), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Medical Innovation Ventures (n=1), Medical Innovation Ventures - MIV GenoAmp Kit (n=1), PathoFinder (n=2), PathoFinder - PathoFinder Real Time PCR (n=2), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesis (n=1), Quidel (n=2), Quidel - Quidel AmpliVue (n=1), Quidel - Quidel Solana (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Seegene - Seegene Seeplex (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), fast-track DIAGNOSTICS (n=3), fast-track DIAGNOSTICS - FTD real time PCR (n=3), vircell (n=1), vircell - vircell Speed-oligo (n=1), In-House - Conventional In-House PCR (n=3)

Groups Rolled Up: Diagenode - Diagenode Real Time kit (n=9), Meridian BioScience - Meridian Bioscience illumigene (n=6), R-Biopharm - R-Biopharm RIDA Gene (n=9), TIB MOLBIOL - TIB MOLBIOL LightMix (n=6)

BPDNA18S-07 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
BPDNA18S-07	H. influenzae	Saline		Negative	CORE	98.9	183



Individual Report**QCMD 2018 Bordetella pertussis DNA
EQA Programme**

Catalogue Code: QAB094132	Ref Code: BPDNA18	Challenge: S	Analysis Type: Qualitative	Dataset: 218223	Report UID: 2677/218223/1499	Laboratory CZ023
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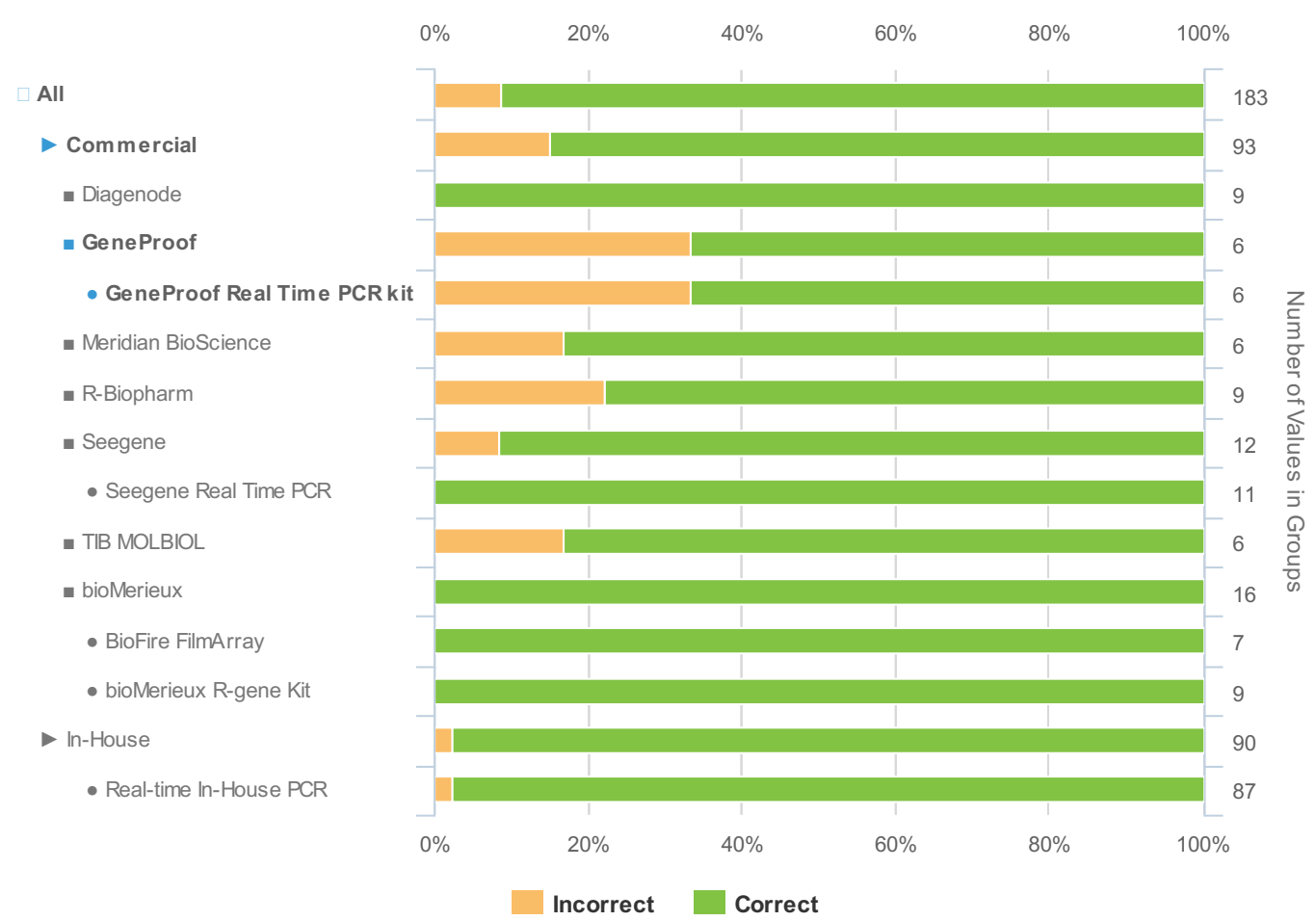
Groups below n=5: Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics RealStar (n=1), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics Easy-Plex (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD MAX (n=2), Bio-Evolution (n=2), Bio-Evolution - Bio-Evolution Real Time PCR (n=2), BioGX (n=2), BioGX - BioGX Sample-Ready (n=2), Cepheid (n=3), Cepheid - Cepheid Smart Reagents (n=3), Certest (n=1), Certest - Certest Real Time PCR (n=1), Eurobio (n=1), Eurobio - Eurobio Real Time PCR (n=1), GenMark Dx (n=1), GenMark Dx - GenMark DX ePlex (n=1), Luminex (n=1), Luminex - Luminex PCR Reagents (n=1), Master Diagnostica (n=1), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Medical Innovation Ventures (n=1), Medical Innovation Ventures - MIV GenoAmp Kit (n=1), PathoFinder (n=2), PathoFinder - PathoFinder Real Time PCR (n=2), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesis (n=1), Quidel (n=2), Quidel - Quidel AmpliVue (n=1), Quidel - Quidel Solana (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Seegene - Seegene Seeplex (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), fast-track DIAGNOSTICS (n=3), fast-track DIAGNOSTICS - FTD real time PCR (n=3), vircell (n=1), vircell - vircell Speed-oligo (n=1), In-House - Conventional In-House PCR (n=3)

Groups Rolled Up: Diagenode - Diagenode Real Time kit (n=9), Meridian BioScience - Meridian Bioscience illumigene (n=6), R-Biopharm - R-Biopharm RIDA Gene (n=9), TIB MOLBIOL - TIB MOLBIOL LightMix (n=6)

Catalogue Code: QAB094132	Ref Code: BPDNA18	Challenge: S	Analysis Type: Qualitative	Dataset: 218223	Report UID: 2677/218223/1499	Laboratory CZ023
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BPDNA18S-08 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
BPDNA 18S-08	B. parapertussis	Saline		Negative	CORE	91.3	183



Individual Report**QCMD 2018 Bordetella pertussis DNA
EQA Programme**

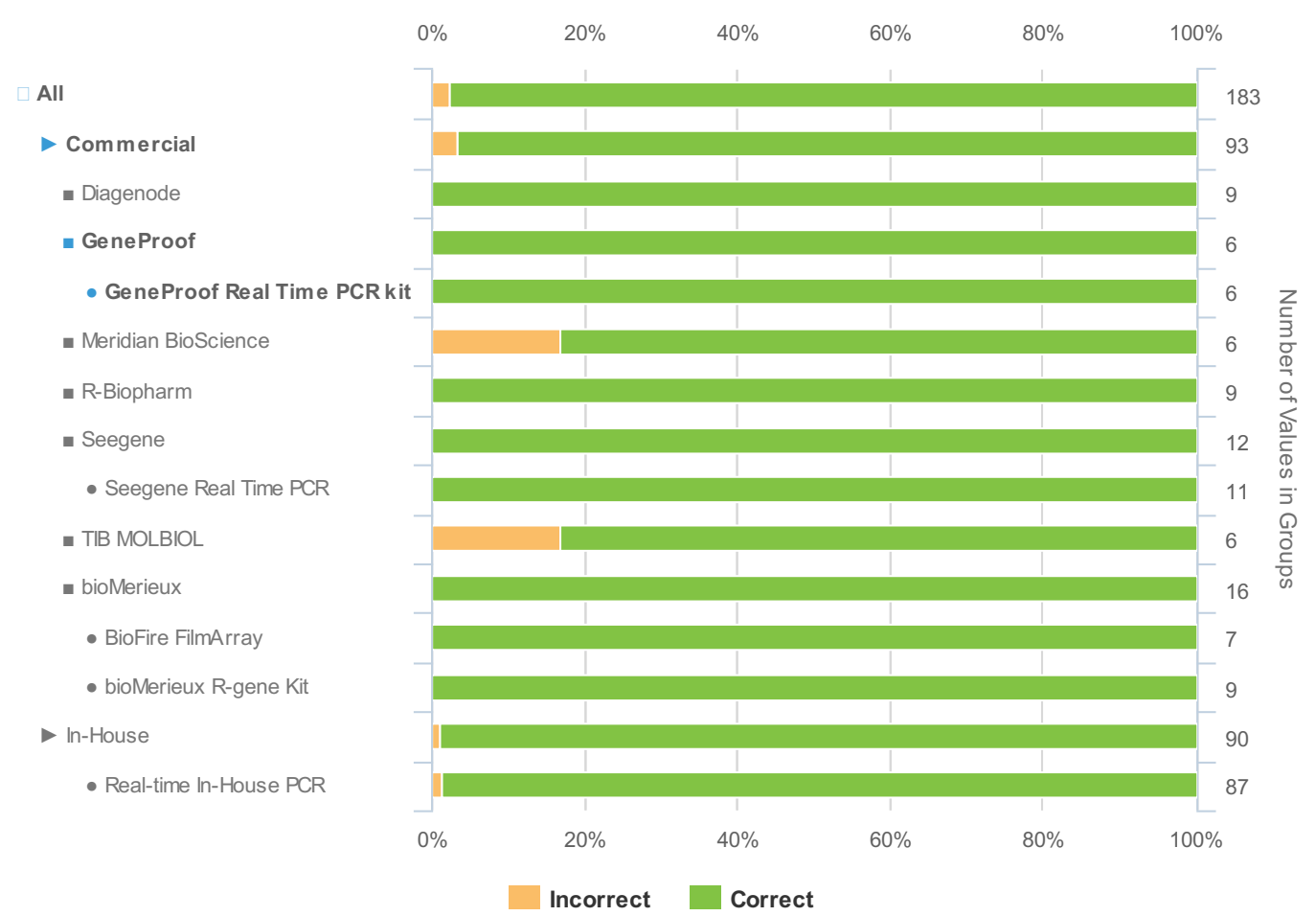
Catalogue Code: QAB094132	Ref Code: BPDNA18	Challenge: S	Analysis Type: Qualitative	Dataset: 218223	Report UID: 2677/218223/1499	Laboratory CZ023
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Groups below n=5: Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics RealStar (n=1), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics Easy-Plex (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD MAX (n=2), Bio-Evolution (n=2), Bio-Evolution - Bio-Evolution Real Time PCR (n=2), BioGX (n=2), BioGX - BioGX Sample-Ready (n=2), Cepheid (n=3), Cepheid - Cepheid Smart Reagents (n=3), Certest (n=1), Certest - Certest Real Time PCR (n=1), Eurobio (n=1), Eurobio - Eurobio Real Time PCR (n=1), GenMark Dx (n=1), GenMark Dx - GenMark DX ePlex (n=1), Luminex (n=1), Luminex - Luminex PCR Reagents (n=1), Master Diagnostica (n=1), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Medical Innovation Ventures (n=1), Medical Innovation Ventures - MIV GenoAmp Kit (n=1), PathoFinder (n=2), PathoFinder - PathoFinder Real Time PCR (n=2), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesis (n=1), Quidel (n=2), Quidel - Quidel AmpliVue (n=1), Quidel - Quidel Solana (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Seegene - Seegene Seeplex (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), fast-track DIAGNOSTICS (n=3), fast-track DIAGNOSTICS - FTD real time PCR (n=3), vircell (n=1), vircell - vircell Speed-oligo (n=1), In-House - Conventional In-House PCR (n=3)

Groups Rolled Up: Diagenode - Diagenode Real Time kit (n=9), Meridian BioScience - Meridian Bioscience illumigene (n=6), R-Biopharm - R-Biopharm RIDA Gene (n=9), TIB MOLBIOL - TIB MOLBIOL LightMix (n=6)

BPDNA18S-09 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
BPDNA 18S-09	Bordetella negative	Saline		Negative	CORE	97.8	183



Individual Report


QCMD 2018 Bordetella pertussis DNA EQA Programme



Catalogue Code: QAB094132	Ref Code: BPDNA18	Challenge: S	Analysis Type: Qualitative	Dataset: 218223	Report UID: 2677/218223/1499	Laboratory CZ023
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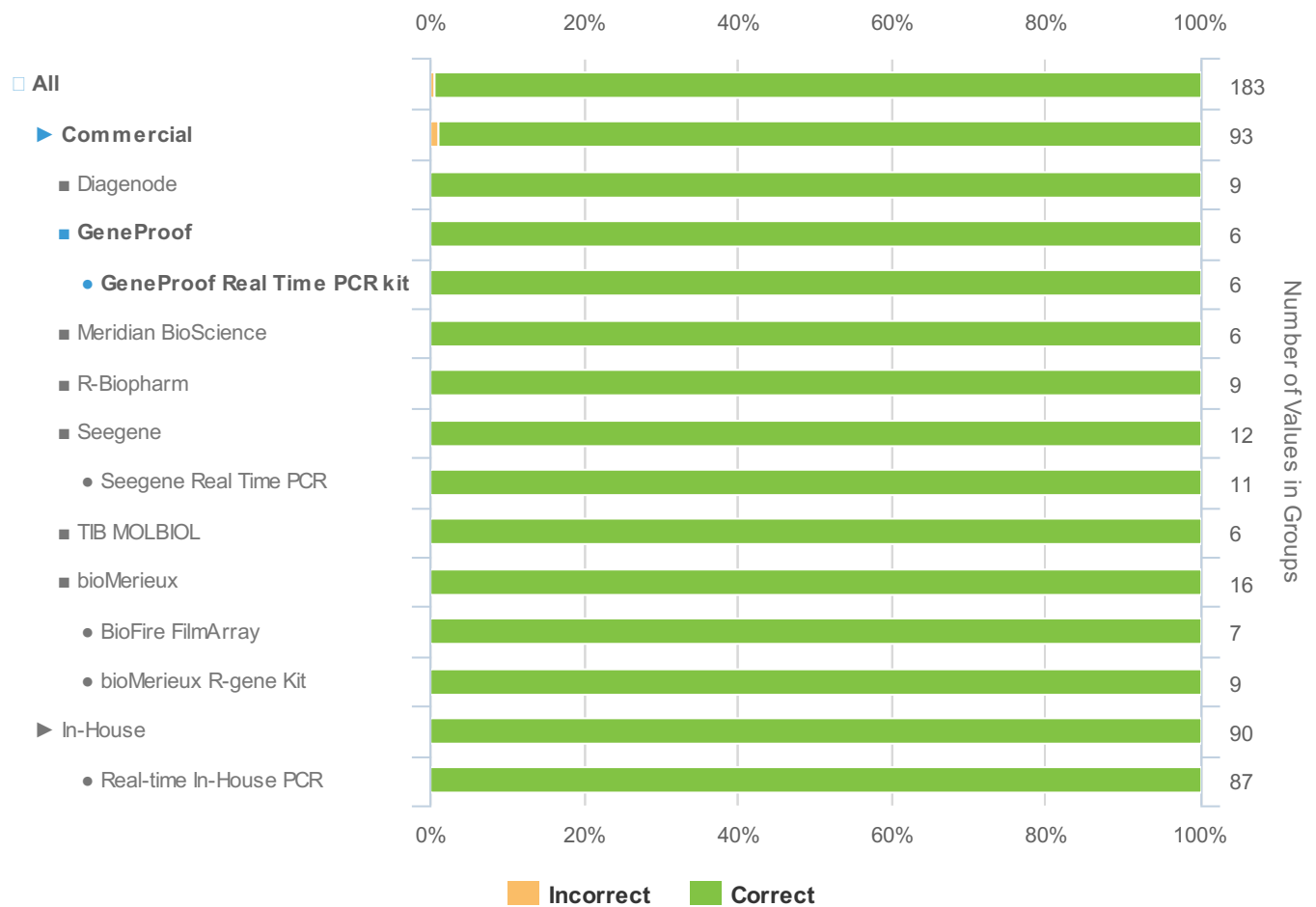
Groups below n=5: Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics RealStar (n=1), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics Easy-Plex (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD MAX (n=2), Bio-Evolution (n=2), Bio-Evolution - Bio-Evolution Real Time PCR (n=2), BioGX (n=2), BioGX - BioGX Sample-Ready (n=2), Cepheid (n=3), Cepheid - Cepheid Smart Reagents (n=3), Certest (n=1), Certest - Certest Real Time PCR (n=1), Eurobio (n=1), Eurobio - Eurobio Real Time PCR (n=1), GenMark Dx (n=1), GenMark Dx - GenMark DX ePlex (n=1), Luminex (n=1), Luminex - Luminex PCR Reagents (n=1), Master Diagnostica (n=1), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Medical Innovation Ventures (n=1), Medical Innovation Ventures - MIV GenoAmp Kit (n=1), PathoFinder (n=2), PathoFinder - PathoFinder Real Time PCR (n=2), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesis (n=1), Quidel (n=2), Quidel - Quidel AmpliVue (n=1), Quidel - Quidel Solana (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Seegene - Seegene Seeplex (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), fast-track DIAGNOSTICS (n=3), fast-track DIAGNOSTICS - FTD real time PCR (n=3), vircell (n=1), vircell - vircell Speed-oligo (n=1), In-House - Conventional In-House PCR (n=3)


Groups Rolled Up: Diagenode - Diagenode Real Time kit (n=9), Meridian BioScience - Meridian Bioscience illumigene (n=6), R-Biopharm - R-Biopharm RIDA Gene (n=9), TIB MOLBIOL - TIB MOLBIOL LightMix (n=6)

Individual Report		QCMD 2018 Bordetella pertussis DNA EQA Programme				 <small>Quality Control for Molecular Diagnostics</small>	
Catalogue Code: QAB094132	Ref Code: BPDNA18	Challenge: S	Analysis Type: Qualitative	Dataset: 218223	Report UID: 2677/218223/1499	Laboratory CZ023	

BPDNA18S-10 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
BPDNA 18S-10	B. pertussis	Liquid Amies	DS2_2	Frequently Detected	CORE	99.5	183



Individual Report	QCMD 2018 Bordetella pertussis DNA EQA Programme					
Catalogue Code: QAB094132	Ref Code: BPDNA18	Challenge: S	Analysis Type: Qualitative	Dataset: 218223	Report UID: 2677/218223/1499	Laboratory: CZ023

Groups below n=5: Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics RealStar (n=1), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics Easy-PIex (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD MAX (n=2), Bio-Evolution (n=2), Bio-Evolution - Bio-Evolution Real Time PCR (n=2), BioGX (n=2), BioGX - BioGX Sample-Ready (n=2), Cepheid (n=3), Cepheid - Cepheid Smart Reagents (n=3), Certest (n=1), Certest - Certest Real Time PCR (n=1), Eurobio (n=1), Eurobio - Eurobio Real Time PCR (n=1), GenMark Dx (n=1), GenMark Dx - GenMark DX ePlex (n=1), Luminex (n=1), Luminex - Luminex PCR Reagents (n=1), Master Diagnostica (n=1), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Medical Innovation Ventures (n=1), Medical Innovation Ventures - MIV GenoAmp Kit (n=1), PathoFinder (n=2), PathoFinder - PathoFinder Real Time PCR (n=2), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesisig (n=1), Quidel (n=2), Quidel - Quidel AmpliVue (n=1), Quidel - Quidel Solana (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Seegene - Seegene Seeplex (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), fast-track DIAGNOSTICS (n=3), fast-track DIAGNOSTICS - FTD real time PCR (n=3), vircell (n=1), vircell - vircell Speed-oligo (n=1), In-House - Conventional In-House PCR (n=3)

Groups Rolled Up: Diagenode - Diagenode Real Time kit (n=9), Meridian BioScience - Meridian Bioscience illumigene (n=6), R-Biopharm - R-Biopharm RIDA Gene (n=9), TIB MOLBIOL - TIB MOLBIOL LightMix (n=6)

Additional Educational Samples Information

The following section has been categorised as shown below:


Educational ► Qualitative

Individual Panel Member Analysis (Qualitative)

Qualitative analysis for each panel member is provided in relation to your EQA assessment group. EQA assessment groups are established using the molecular workflow information reported by all participants within this EQA challenge / distribution. The principal level of assessment is at the individual method level which is defined based on your reported “amplification/detection method” and other laboratories using the same or similar amplification/detection methods.

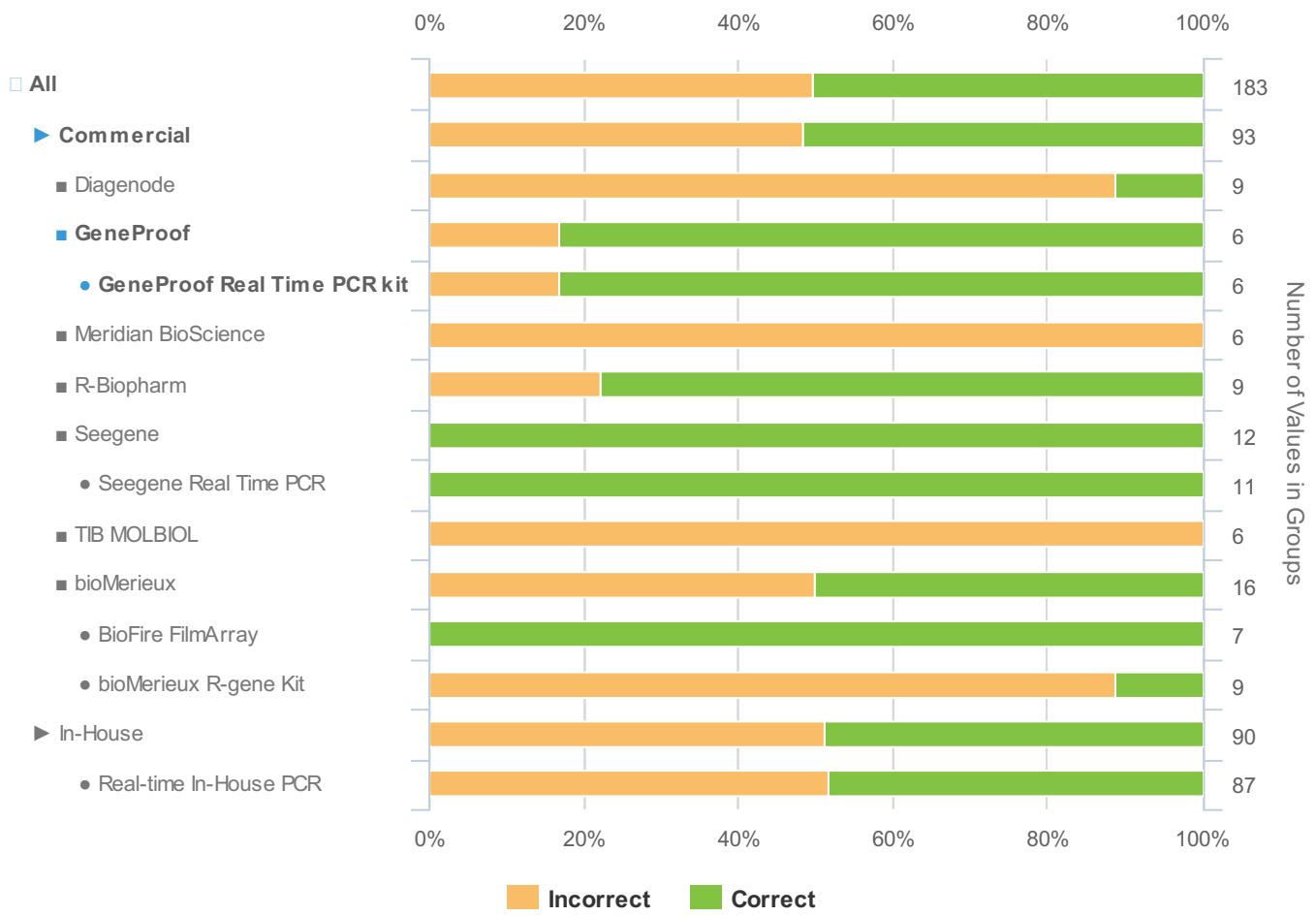
To allow meaningful assessment at the individual method level the EQA assessment group must consist of 5 or more datasets. If there are not sufficient datasets at the individual method level then your results will be included within a higher EQA assessment group based on whether it is a commercial or in house technology/method. The highest level assessment grouping is “All” participant reported qualitative results.

A breakdown of qualitative results reported by participants on each of the panel members within this EQA challenge / distribution is provided below. You can compare your results to those within your EQA assessment group and those obtained within other EQA assessment groups or to the overall consensus for each sample within this EQA challenge / distribution.

Individual Report	QCMD 2018 Bordetella pertussis DNA EQA Programme				 <small>Quality Control for Molecular Diagnostics</small>	
Catalogue Code: QAB094132	Ref Code: BPDNA18	Challenge: S	Analysis Type: Qualitative	Dataset: 218223	Report UID: 2677/218223/1499	Laboratory: CZ023

BPDNA18S-06 - Qualitative Results Breakdown

Sample Code	Sample Content	Matrix	Sample Relationships	Detection Frequency	Sample Status	Percentage Correct (All)	
						(%)	(n)
BPDNA 18S-06	B. holmesii (IS481+)	Saline		Negative	EDUCATIONAL	50.3	183



Individual Report

QCMD 2018 Bordetella pertussis DNA EQA Programme



Catalogue Code: QAB094132	Ref Code: BPDNA18	Challenge: S	Analysis Type: Qualitative	Dataset: 218223	Report UID: 2677/218223/1499	Laboratory: CZ023
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Groups below n=5: Altona Diagnostics (n=1), Altona Diagnostics - Altona Diagnostics RealStar (n=1), AmpliSens (n=1), AmpliSens - AmpliSens Real Time PCR (n=1), AusDiagnostics (n=1), AusDiagnostics - AusDiagnostics Easy-Plex (n=1), BD Molecular Diagnostics (n=2), BD Molecular Diagnostics - BD MAX (n=2), Bio-Evolution (n=2), Bio-Evolution - Bio-Evolution Real Time PCR (n=2), BioGX (n=2), BioGX - BioGX Sample-Ready (n=2), Cepheid (n=3), Cepheid - Cepheid Smart Reagents (n=3), Certest (n=1), Certest - Certest Real Time PCR (n=1), Eurobio (n=1), Eurobio - Eurobio Real Time PCR (n=1), GenMark Dx (n=1), GenMark Dx - GenMark DX ePlex (n=1), Luminex (n=1), Luminex - Luminex PCR Reagents (n=1), Master Diagnostica (n=1), Master Diagnostica - Master Diagnostica Flow Chip (n=1), Medical Innovation Ventures (n=1), Medical Innovation Ventures - MIV GenoAmp Kit (n=1), PathoFinder (n=2), PathoFinder - PathoFinder Real Time PCR (n=2), PrimerDesign (n=1), PrimerDesign - PrimerDesign Genesis (n=1), Quidel (n=2), Quidel - Quidel AmpliVue (n=1), Quidel - Quidel Solana (n=1), Sacace (n=1), Sacace - Sacace Real TM (n=1), Seegene - Seegene Seeplex (n=1), Vitassay (n=1), Vitassay - Vitassay Real-Time PCR (n=1), fast-track DIAGNOSTICS (n=3), fast-track DIAGNOSTICS - FTD real time PCR (n=3), vircell (n=1), vircell - vircell Speed-oligo (n=1), In-House - Conventional In-House PCR (n=3)

Groups Rolled Up: Diagenode - Diagenode Real Time kit (n=9), Meridian BioScience - Meridian Bioscience illumigene (n=6), R-Biopharm - R-Biopharm RIDA Gene (n=9), TIB MOLBIOL - TIB MOLBIOL LightMix (n=6)

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