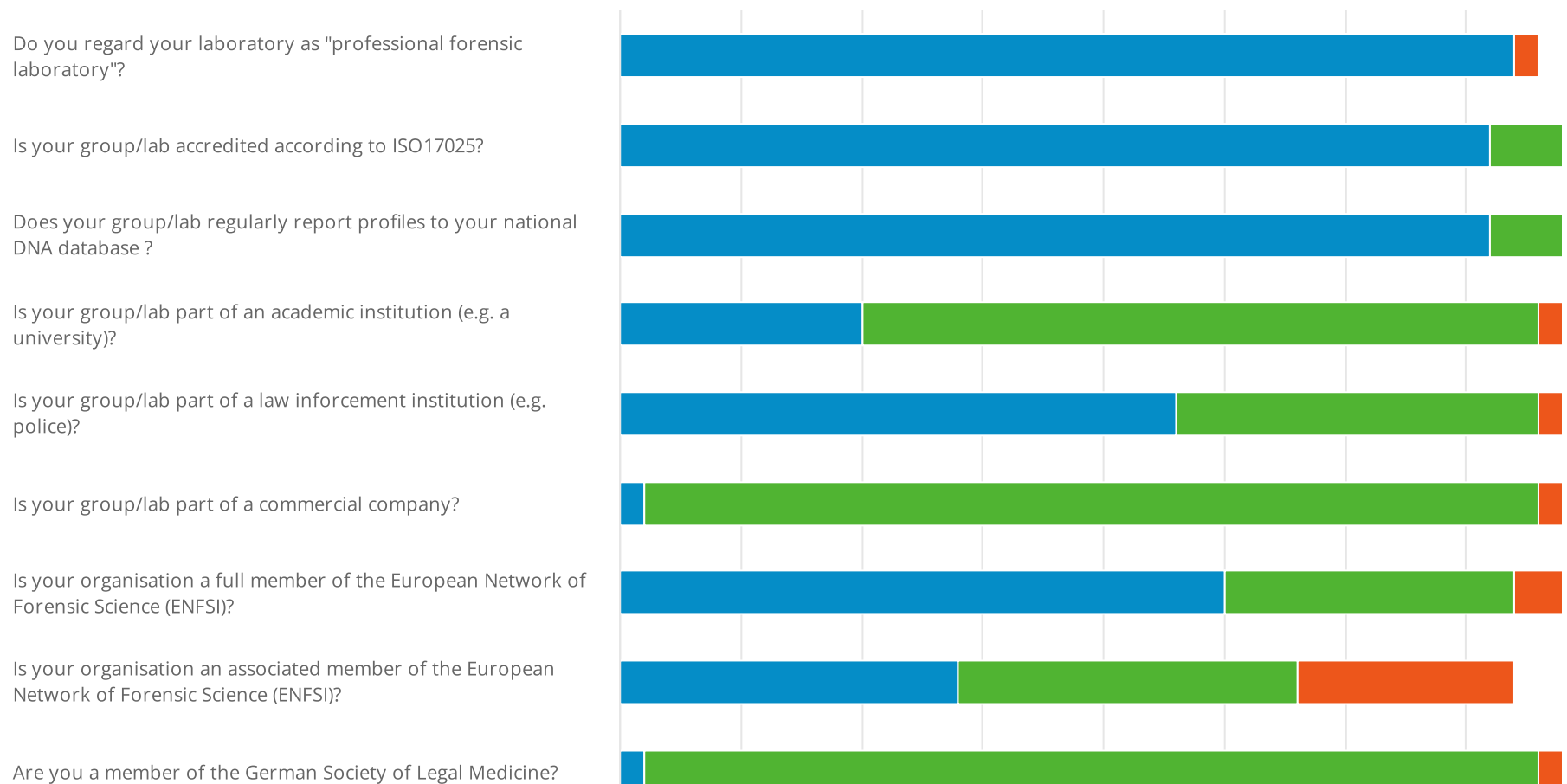
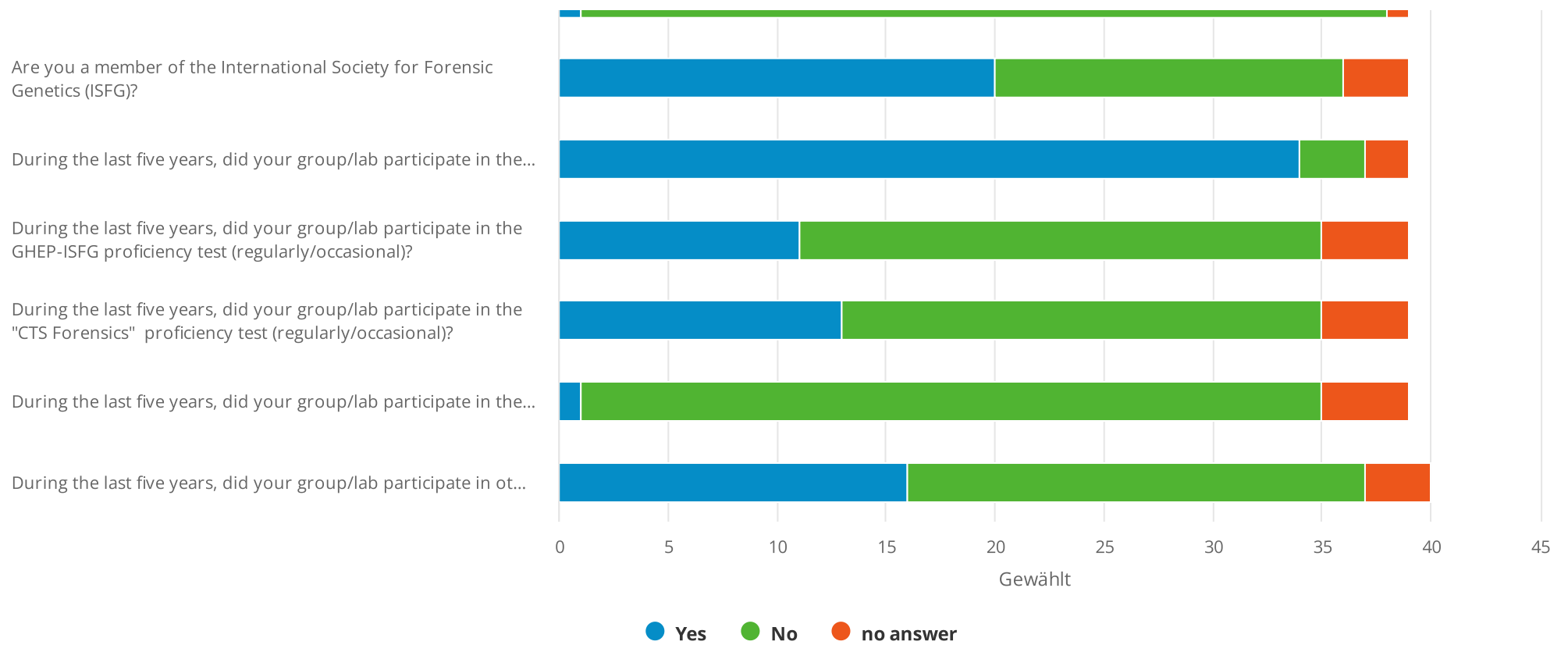


Your expectations of furture proficiency tests

Firstly, we would like to ask you to share general information about your laboratory and your work.

Anzahl Antworten: 39





How many items of evidence does your group/lab analyse per year on behalf of law enforcement/criminal investigation units?

Anzahl Antworten: 35

Text Antworten:

15000

About 5000 reference samples adn about 3000 crime scene samples

"no answer"

no answer

no answer

10.000

Items of evidence per year - 2018: 72 000, 2019: 79 000, 2020: 89 000, 2021: 54 000, 2022: 88 000.

16000

10.000

ap. 30.000 samples

No answer

no answer

More than 1000

6562

Around 22000

3000

7000 units of evidence per year

na

14000

24K

50,000 stain samples; 12,000 reference samples; 500-1,000 kinship tests

no answer

700-1000

no answer

no answer

approx 20-25000 stain samples, approx 10-12000 samples from persons

No ansswer

no answer

8000

no answer

no asnwer

.....

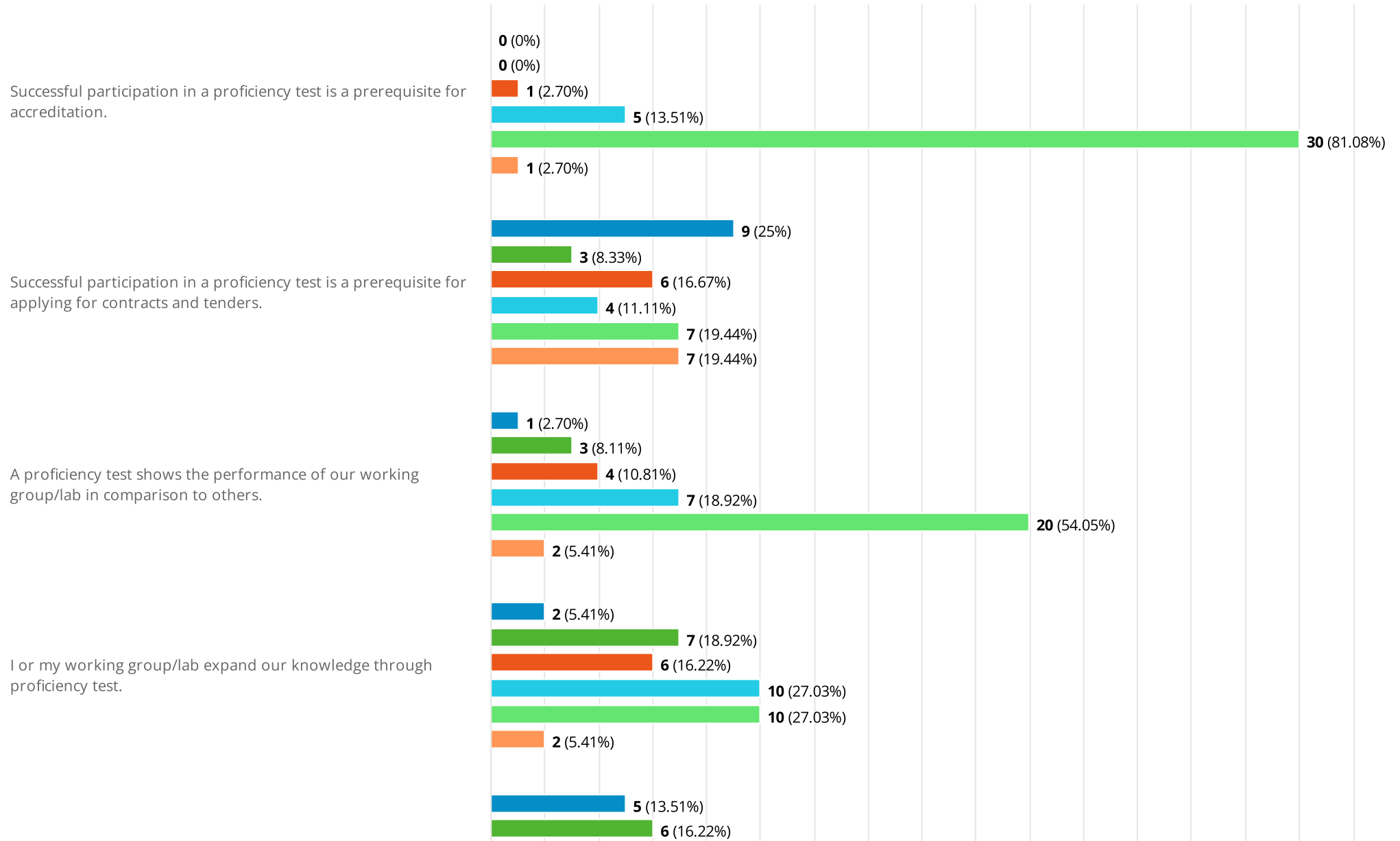
It will be provided in other questionnaire by head of Laboratory

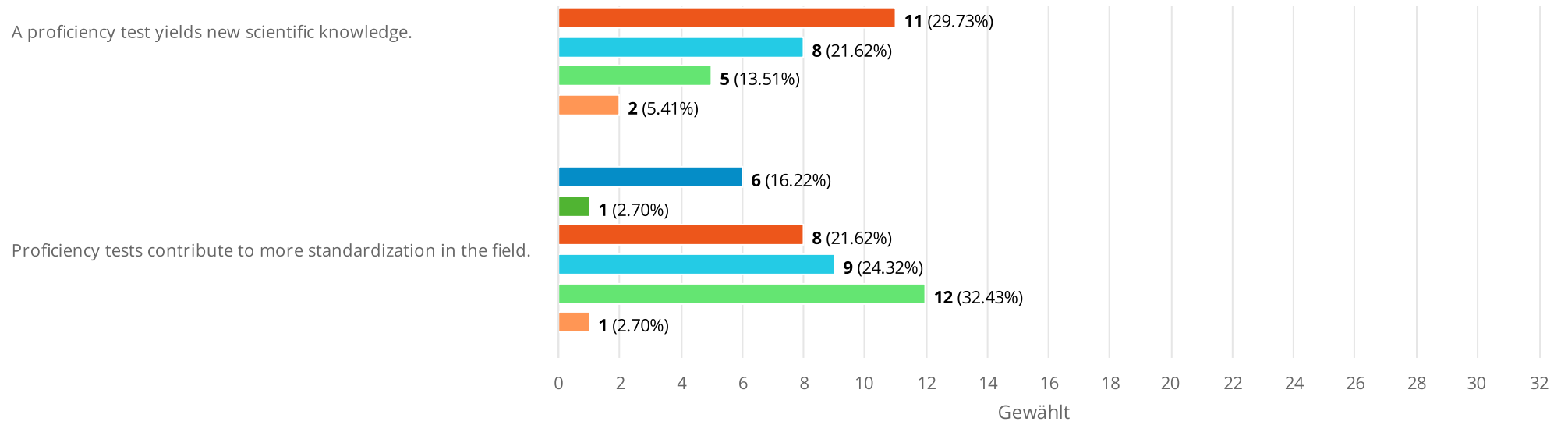
no answer

No answer

Benefit gained from proficiency tests

Anzahl Antworten: 37

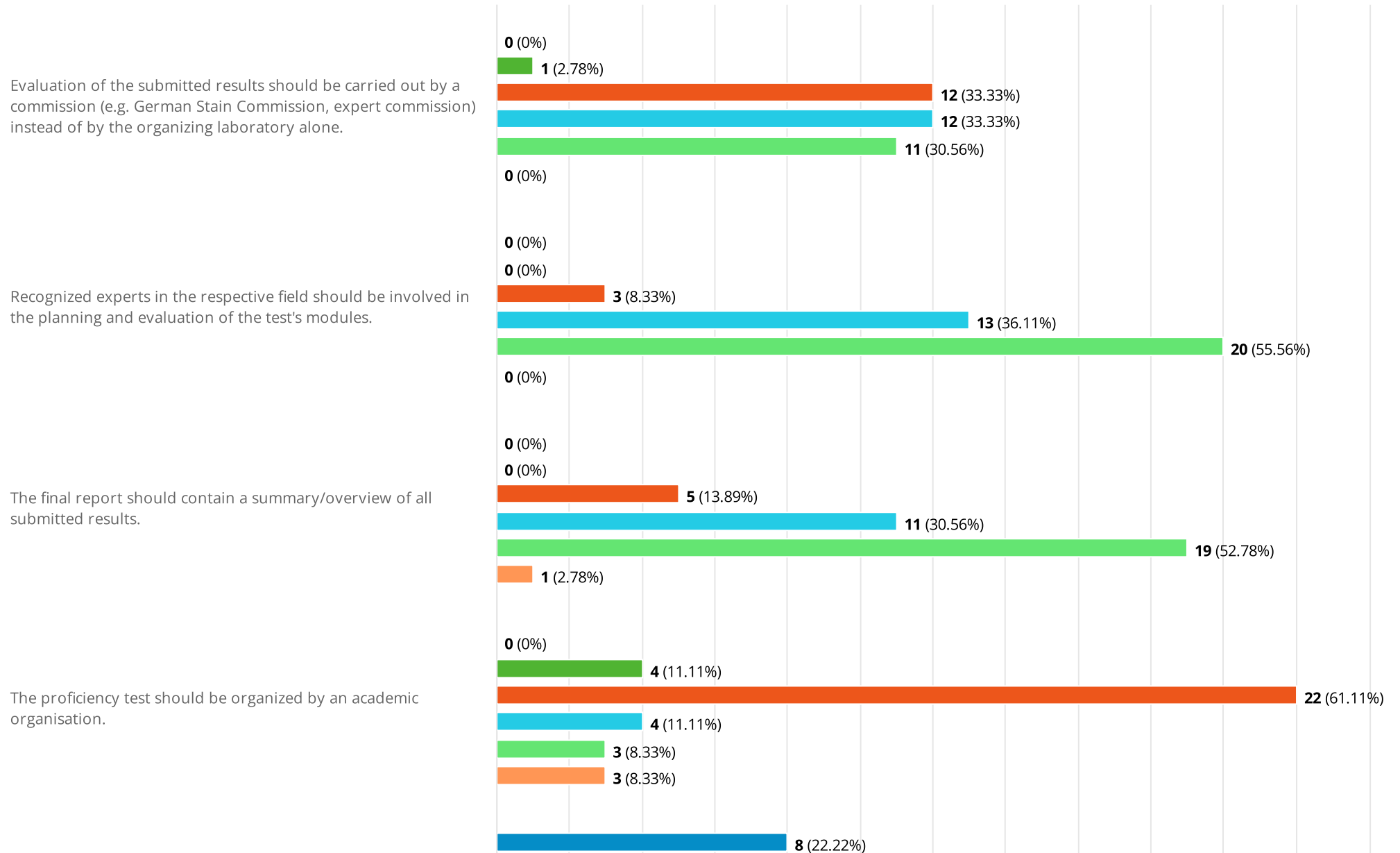


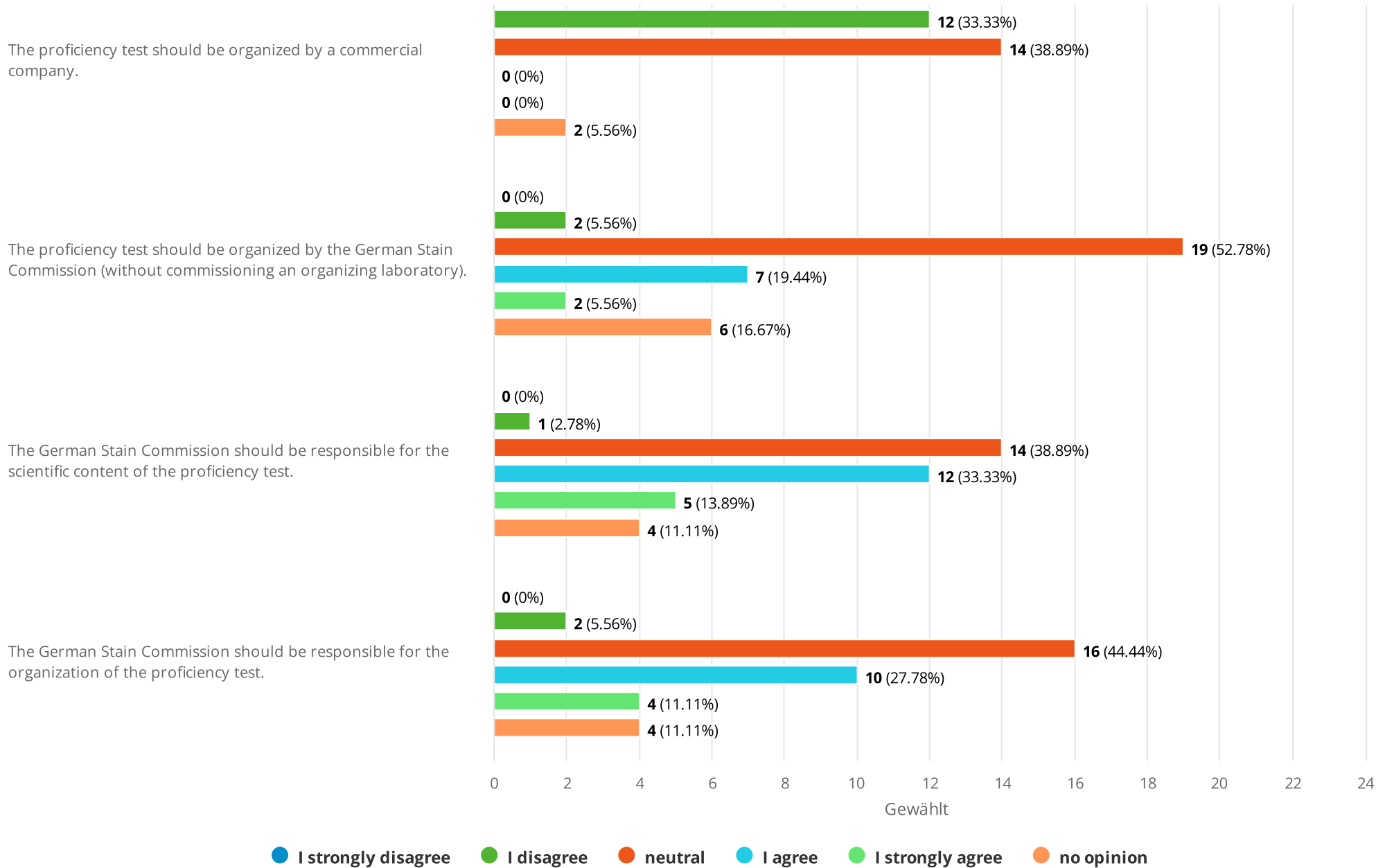


● not important
 ● slightly important
 ● important
 ● fairly important
 ● very important
 ● no opinion

Evaluation and organization of a future proficiency test.

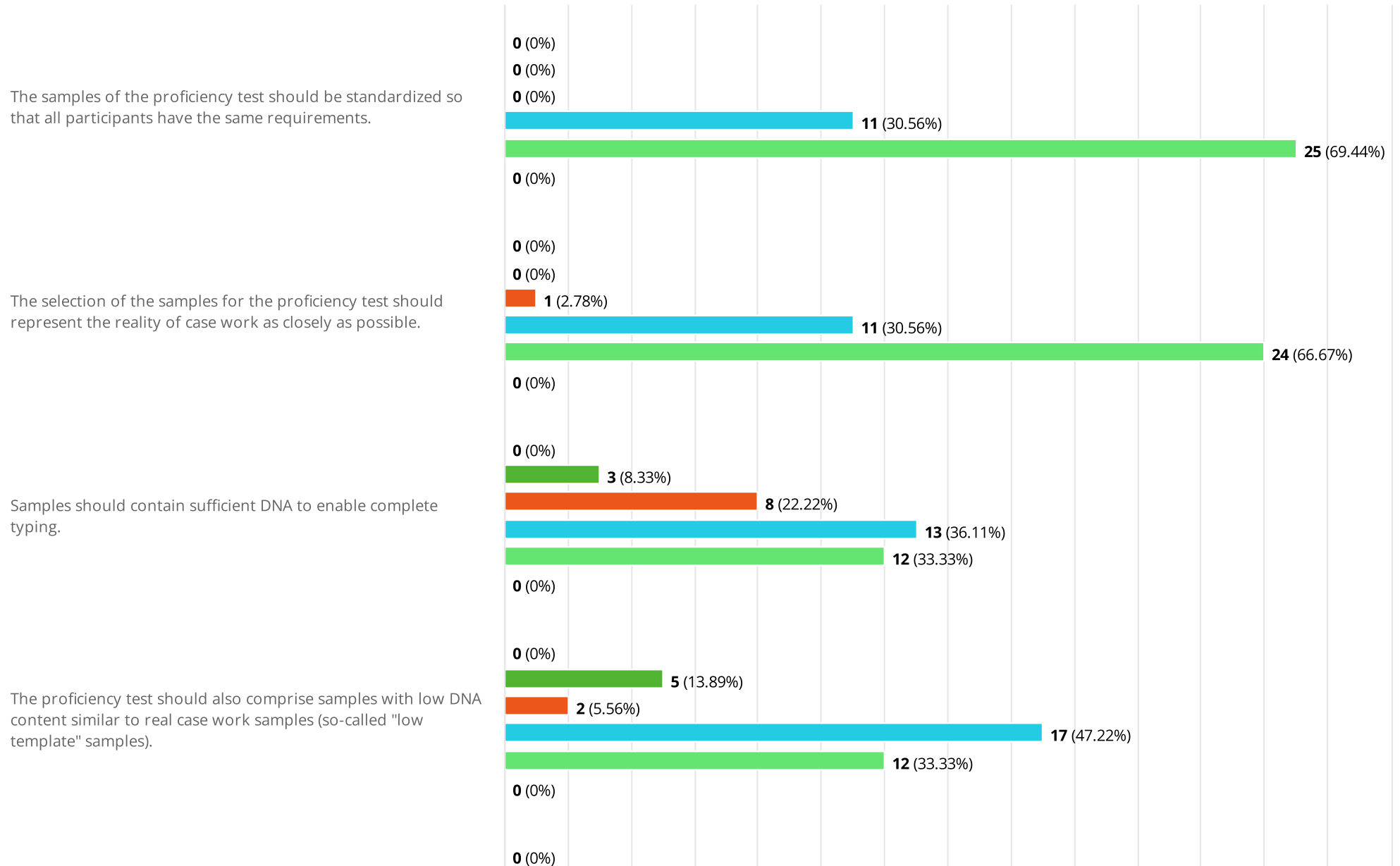
Anzahl Antworten: 36

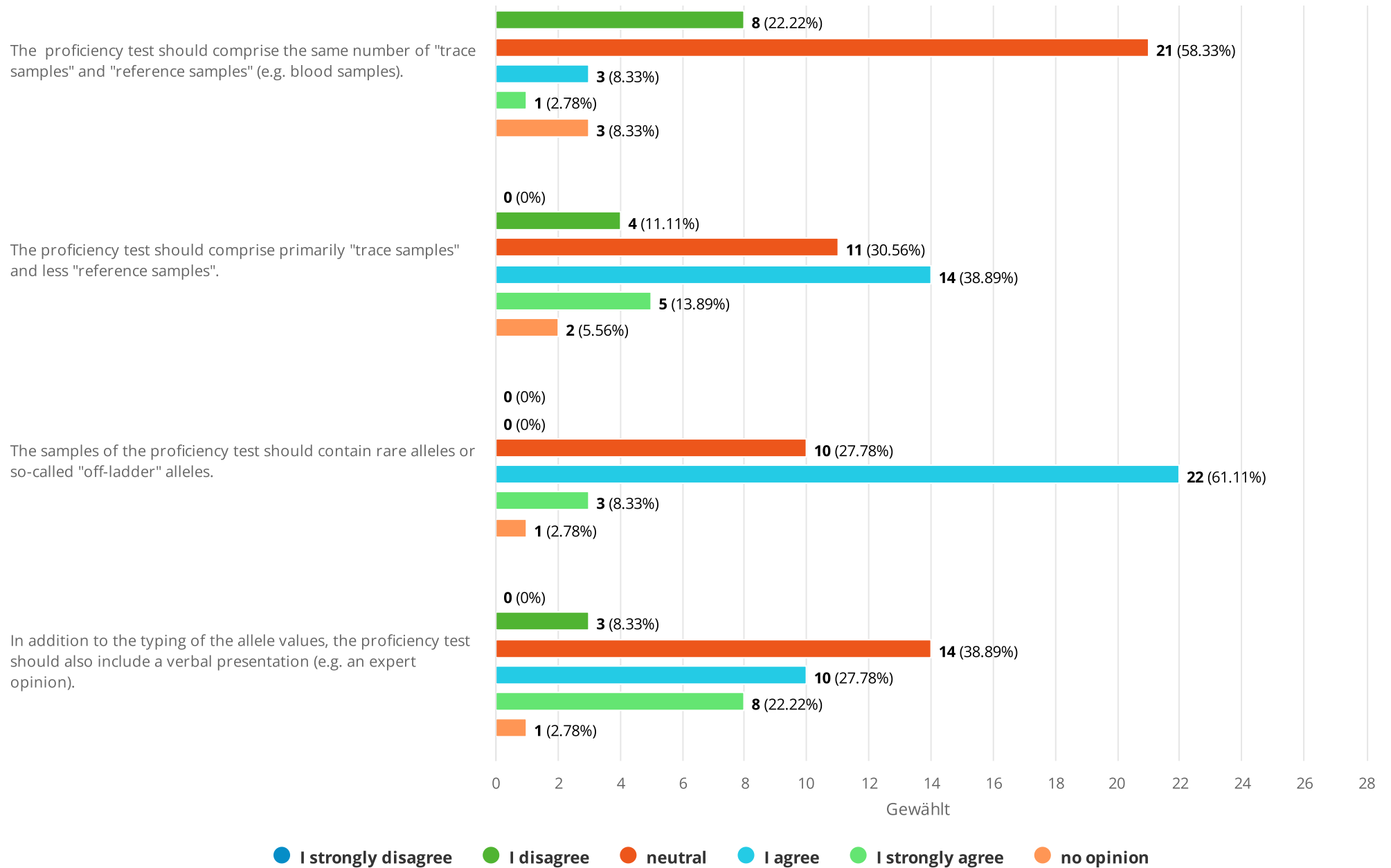




Scope and types of samples of a future proficiency test

Anzahl Antworten: 36





Do you have any further comments?

Anzahl Antworten: 14

Text Antworten:

It Is very important for our laboratory obtain a certification of participation and the correct values

-

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Regarding low template samples: we are interested in tests containing low template samples. However, in order for us to handle the samples correctly regarding facilities, methodology and overall processing of low template samples, these samples must be indicated in the test scenario and/or item description. Additionally, it might be challenging to construct low template tests in a reproducible manner.

Regarding the number of reference samples: the number is of little importance, as long as the reference samples are relevant for the test in question.
Regarding the verbal presentation/expert opinion: we are interested in the concept, depending on how the test will be evaluated.

We use PT also for the evaluation of staff members.

-

Need for PGS proficiency but with the software validated in the lab.

Statistic information should be requiered

I my view, low template samples are to be included in internal validation studies

-

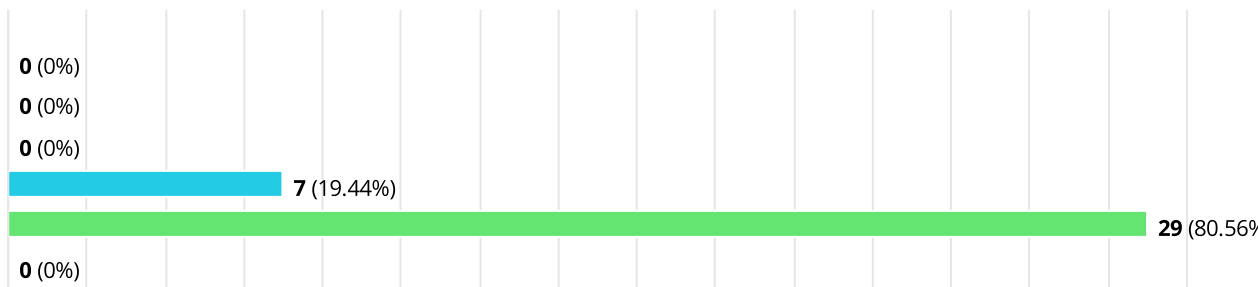
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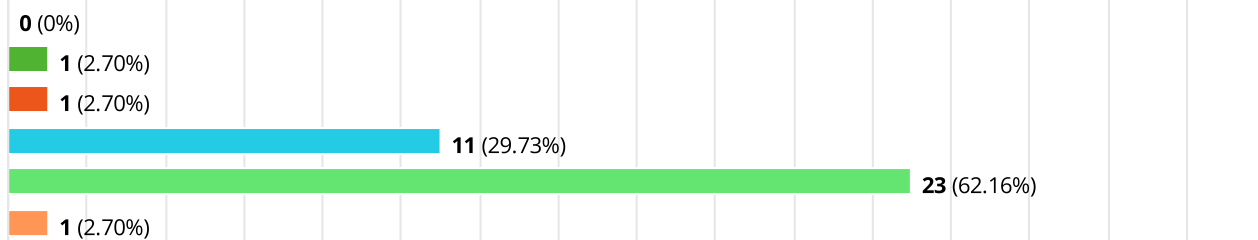
Samples should contain sufficient DNA to enable complete typing - I think some of the samples should be problematic just as case work samples, but I don't know how much that complicate evaluation if for example different laboratories have different drop out or so.

-

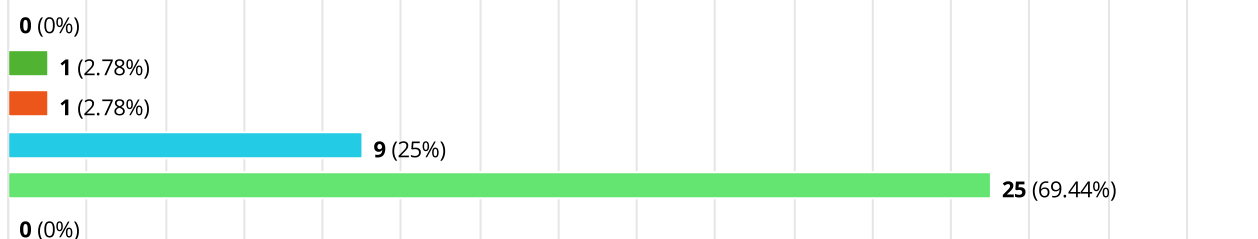
"Basic STR Analysis - traces": autosomal STR analysis on standardized trace samples (single source/mixtures) with enough DNA for a complete analysis.



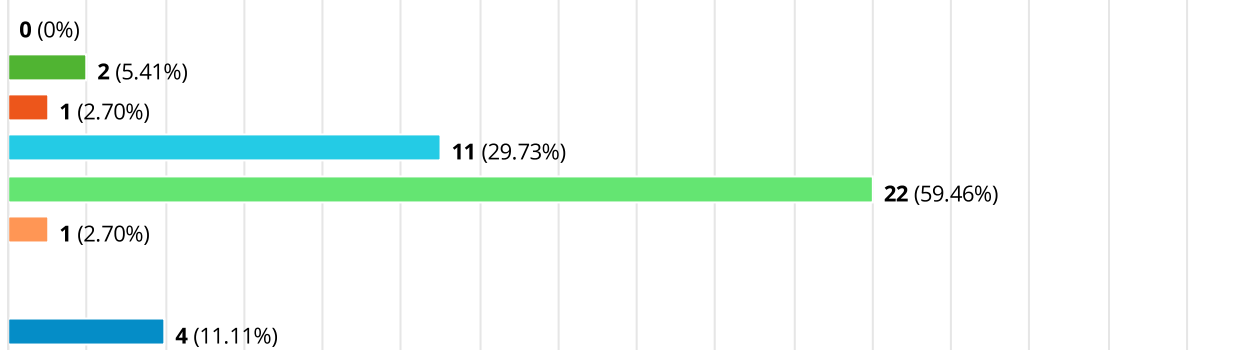
"Basic STR Analysis - references": autosomal STR analysis on standardized reference samples (blood/saliva) with enough DNA for a complete analysis.



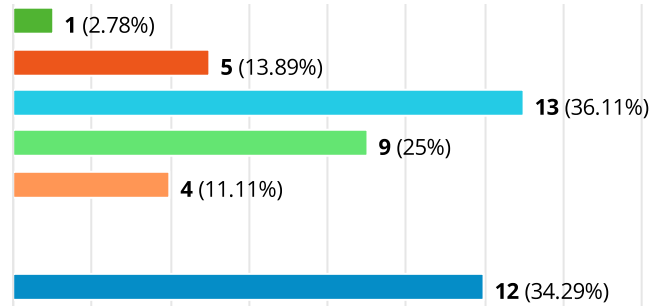
"Basic Y-STR Analysis - traces": Y-chromosomal STR analysis on standardized trace samples (single source/mixtures) with enough DNA for a complete analysis.



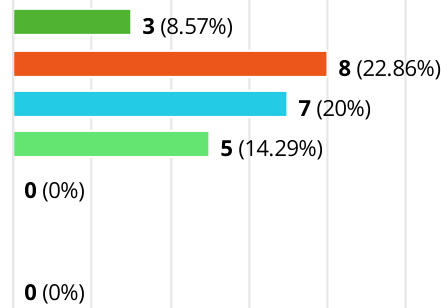
"Basic Y-STR Analysis - references": Y-chromosomal STR analysis on standardized reference samples (blood/saliva) with enough DNA for a complete analysis.



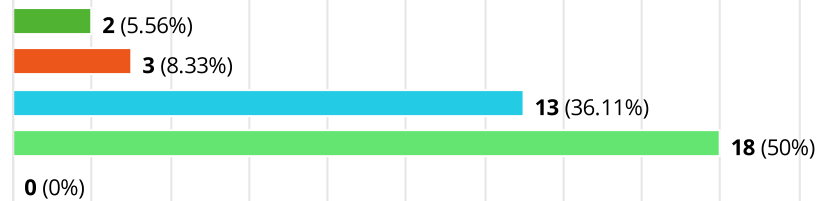
"Basic mtDNA Analysis": mtDNA analysis on standardized single source traces and reference samples with enough DNA for a complete analysis.



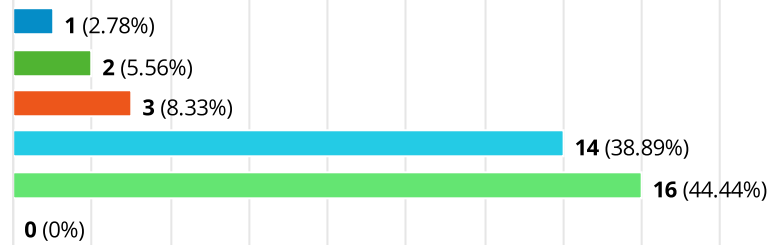
"Basic statistics - RMNE": Calculation of an RMNE



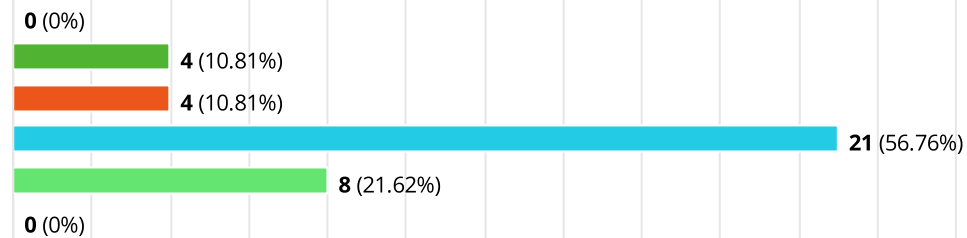
"Basic statistics - LR": Calculation of the Likelihood ration on trace profiles without stochastic effects.



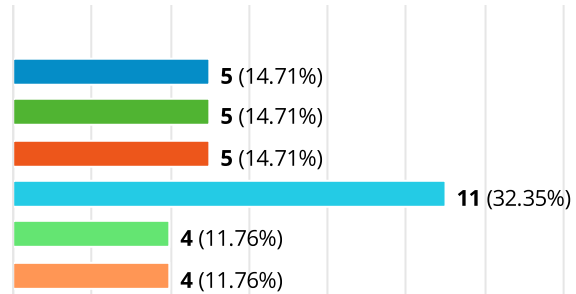
"Basic Trace Characterisation": Characterisation of the biological matrix in strandarised trace samples (single source/mixtures).



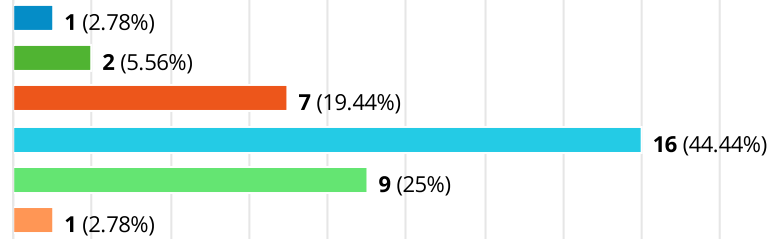
"Advanced STR analysis": autosomal or Y-chromosomal analysis of non-standardised traces that resemble real trace samples and (may) contain low amounts of DNA.



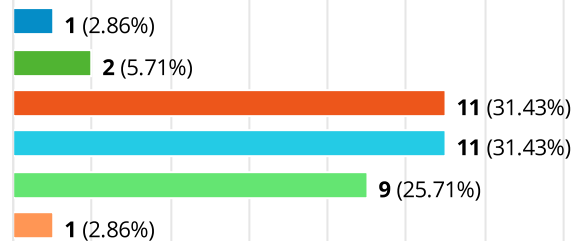
"Advanced mtDNA analysis": mtDNA analysis on non-standard traces such as hair shafts.



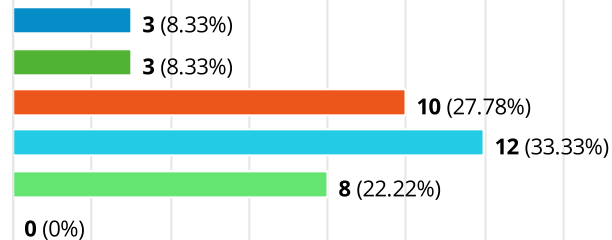
"Advanced Trace Characterisation": Examination of an item on which traces have to be identified and characterized and which are similar to real trace items (including complex items).



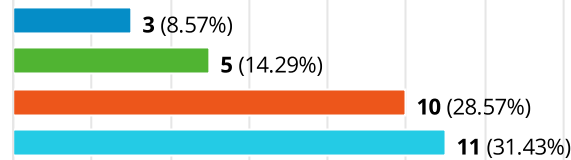
"Advanced Statistics - PGM": Analysis of a trace with subsequent calculation using probabilistic genotyping models (fully continuous models).

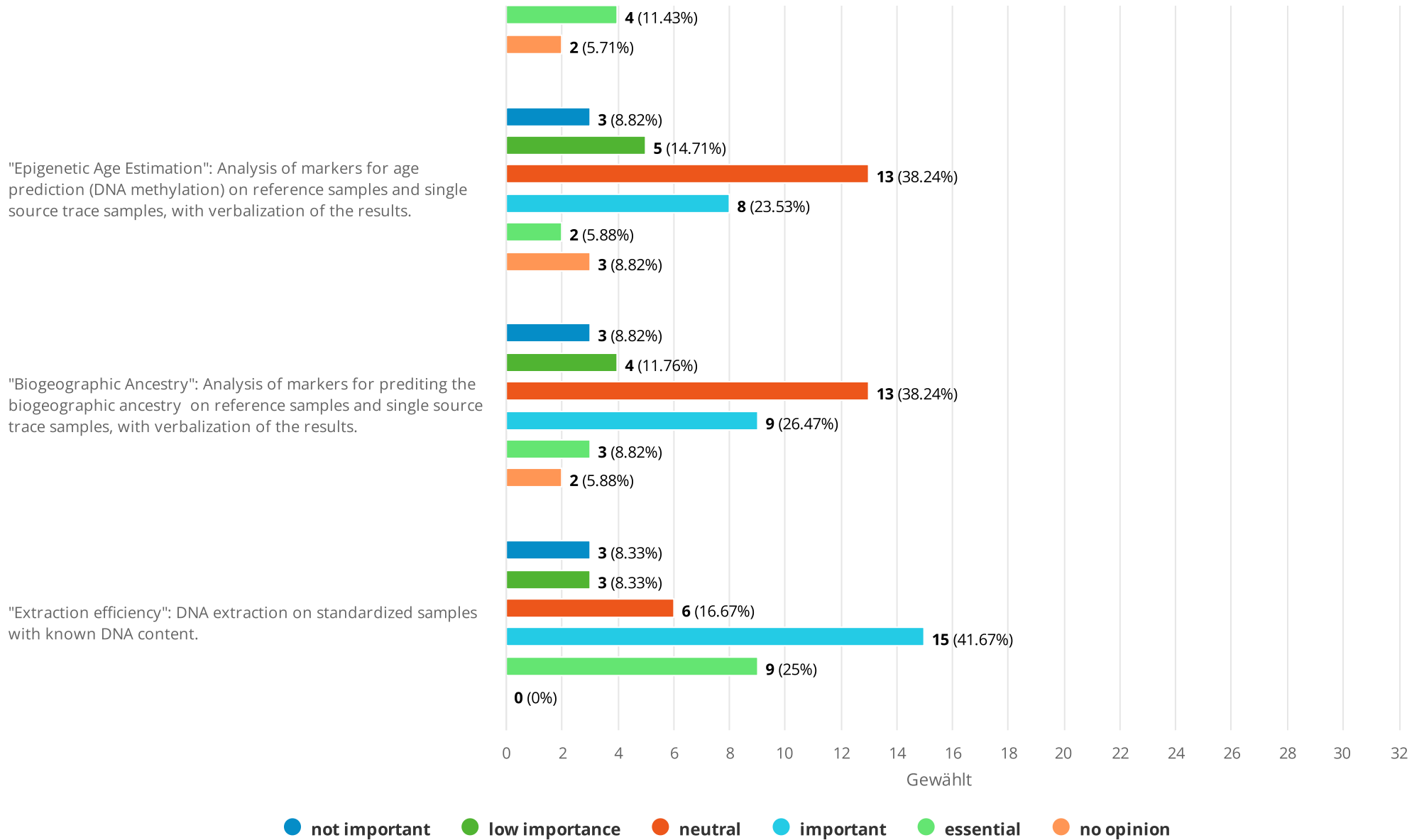


"Paperchallenge": Answering a question in the form of an expert statement.



"Forensic DNA Phenotyping": Analysis of markers to predict hair, skin and eye color on reference samples and single source trace samples, with verbalization of the results.





What other modules would you like to see in a future proficiency test?

Anzahl Antworten: 20

Text Antworten:

-

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-

X-STR traces and references

mRNA

-

-

"_"

-

-

for my team the technical aspects in the context of accreditation are important

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I would like to see mRNA and MiSeq FGx System (MPS) in future proficiency tests.

-

We are not currently accredited for age, ancestry, appearance markers - but in the future when we are, my answer would be essential for those questions

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Your further thoughts and comments:

Anzahl Antworten: 9

Text Antworten:

-

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We find that it is a bit challenging to get answers if we have questions during the completion of the proficiency test. We understand that you probably get several questions during the test-period, but we hope that this will become easier in the future. But otherwise we are very pleased:)

-

Thanks for doing this work!

A proficiency test should try to be as close to the real casework as possible, but not too much focus on rare alleles and strange items

I assume those that were on the gednap mailing list will hear about any new PT schemes?

no other comments

The results report should be as comprehensive as possible with comments of the labs performance and recommendations following ISO 17043 requirements

