

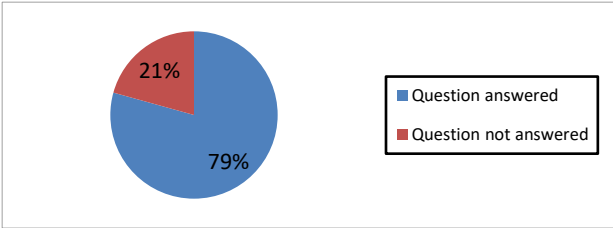
Question 1 - Country

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

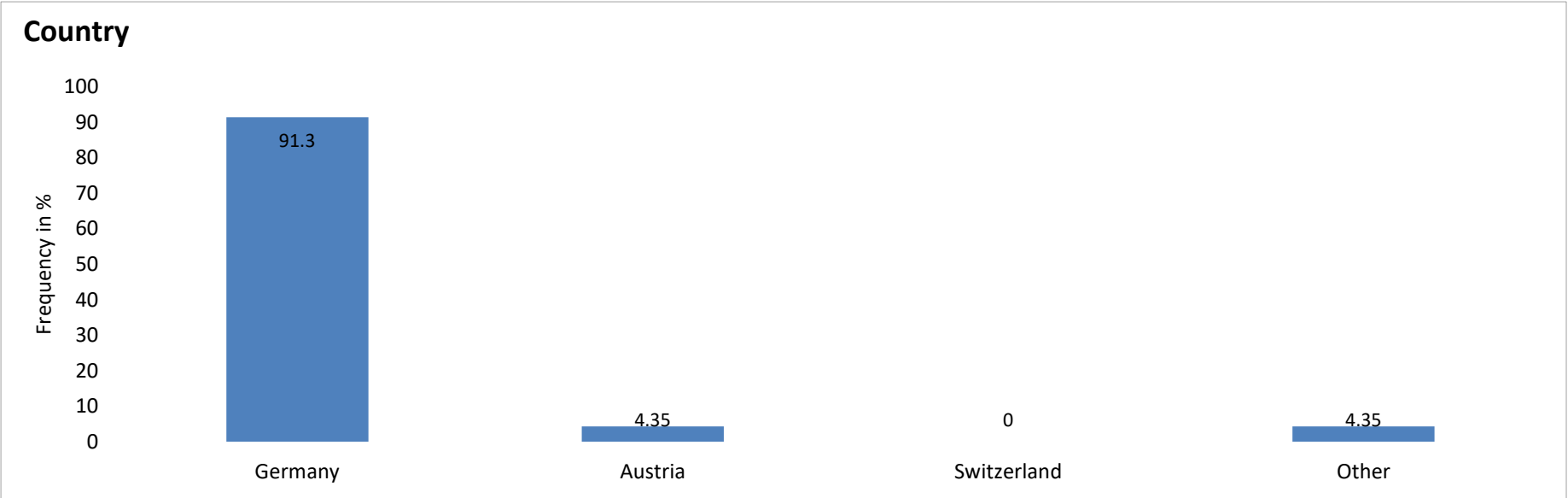
Status data

of 29 participants	Number	Percent
Question seen	29	100%
Question answered	23	79.31%
Question not answered	6	20.69%



Results

Options	Variable	Code	Number	Frequency
Germany	V188	1	21	91.30%
Austria	V188	2	1	4.35%
Switzerland	V188	3	0	0%
Other	V188	4	1	4.35%
Total			23 Answers	23 Participants



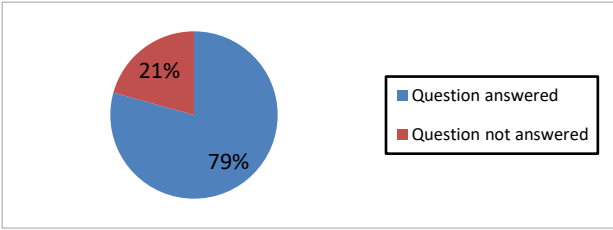
Question 2 - Metabolomics Strategies

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	29	100%
Question answered	23	79.31%
Question not answered	6	20.69%



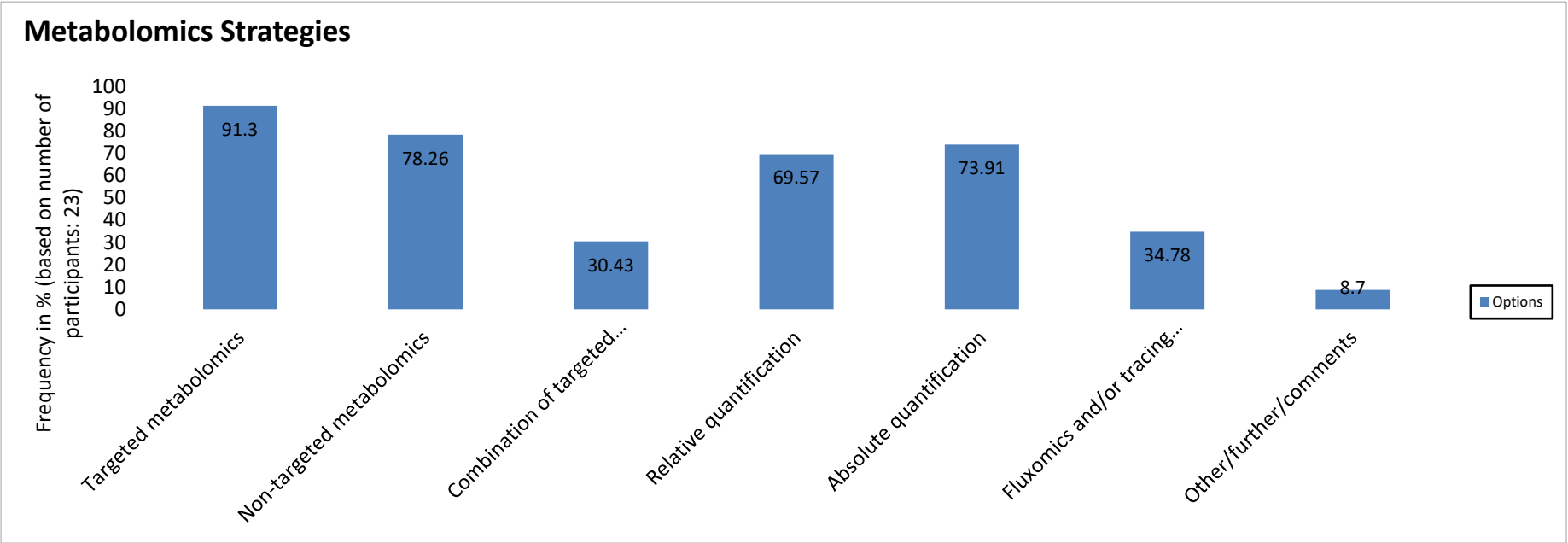
Results

Options	Variable	Code	Number	Frequency by participant	Frequency by answers
Targeted metabolomics	V1	1	21	91.30%	23.60%
Non-targeted metabolomics	V2	1	18	78.26%	20.22%
Combination of targeted and non-targeted approaches in one method	V3	1	7	30.43%	7.87%
Relative quantification	V4	1	16	69.57%	17.98%
Absolute quantification	V5	1	17	73.91%	19.10%
Fluxomics and/or tracing studies	V6	1	8	34.78%	8.99%
Other/further/comments	V63	1	2	8.70%	2.25%
Total			89 Answers	23 Participants	

Question 2 - Metabolomics Strategies

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)



Question 2 - Metabolomics Strategies

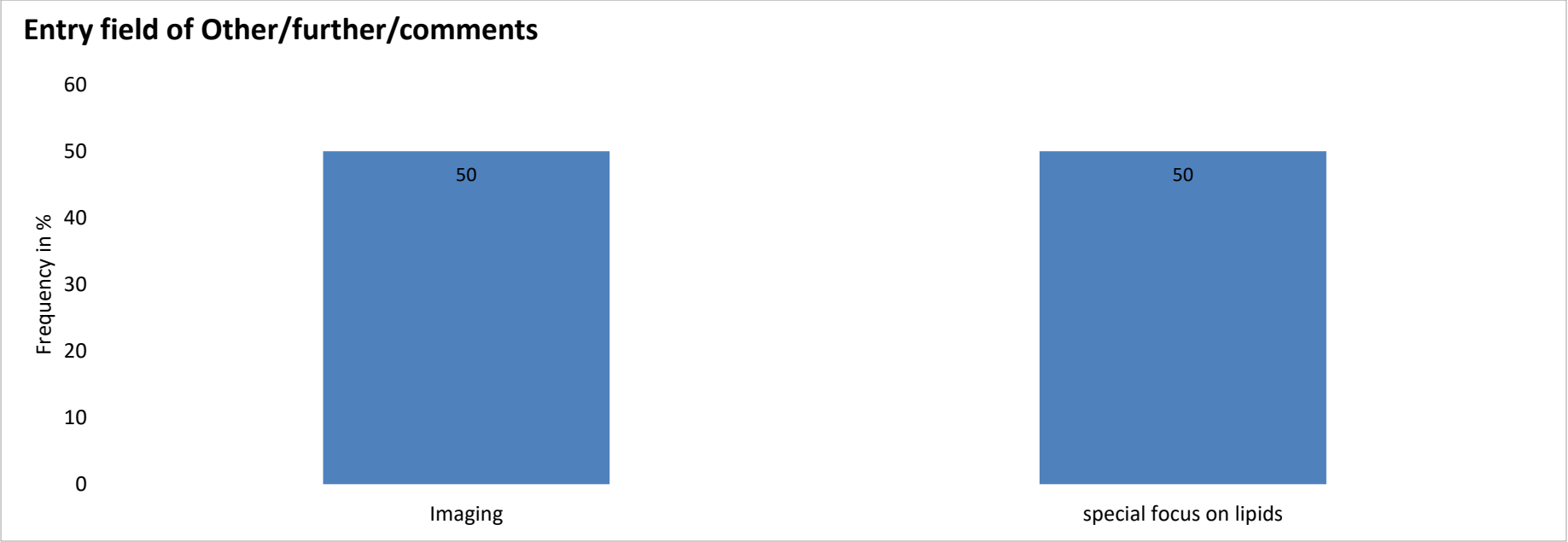
Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Other/further/comments

Number Answers	2	Number unique	2
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Value/Answer	Number	Frequency
Imaging	1	50%
special focus on lipids	1	50%
Total	2	100%



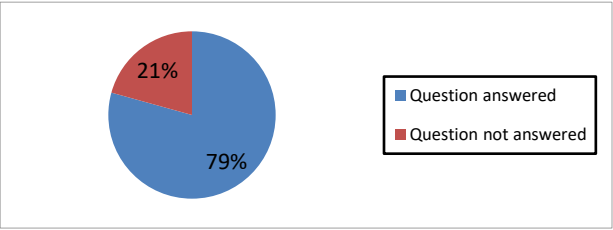
Question 3 - Metabolite Fractions

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	29	100%
Question answered	23	79.31%
Question not answered	6	20.69%



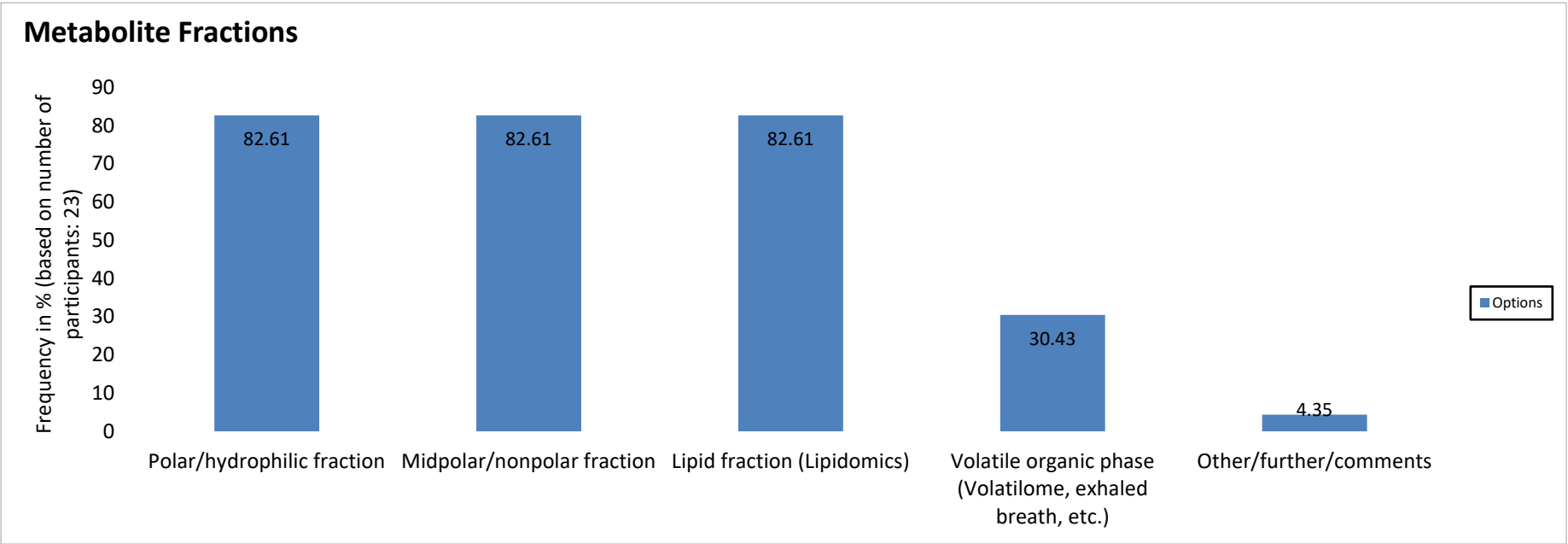
Results

Options	Variable	Code	Number	Frequency by participant	Frequency by answers
Polar/hydrophilic fraction	V7	1	19	82.61%	29.23%
Midpolar/nonpolar fraction	V8	1	19	82.61%	29.23%
Lipid fraction (Lipidomics)	V9	1	19	82.61%	29.23%
Volatile organic phase (Volatilome, exhaled breath, etc.)	V10	1	7	30.43%	10.77%
Other/further/comments	V11	1	1	4.35%	1.54%
Total			65 Answers	23 Participants	

Question 3 - Metabolite Fractions

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)



Question 3 - Metabolite Fractions

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

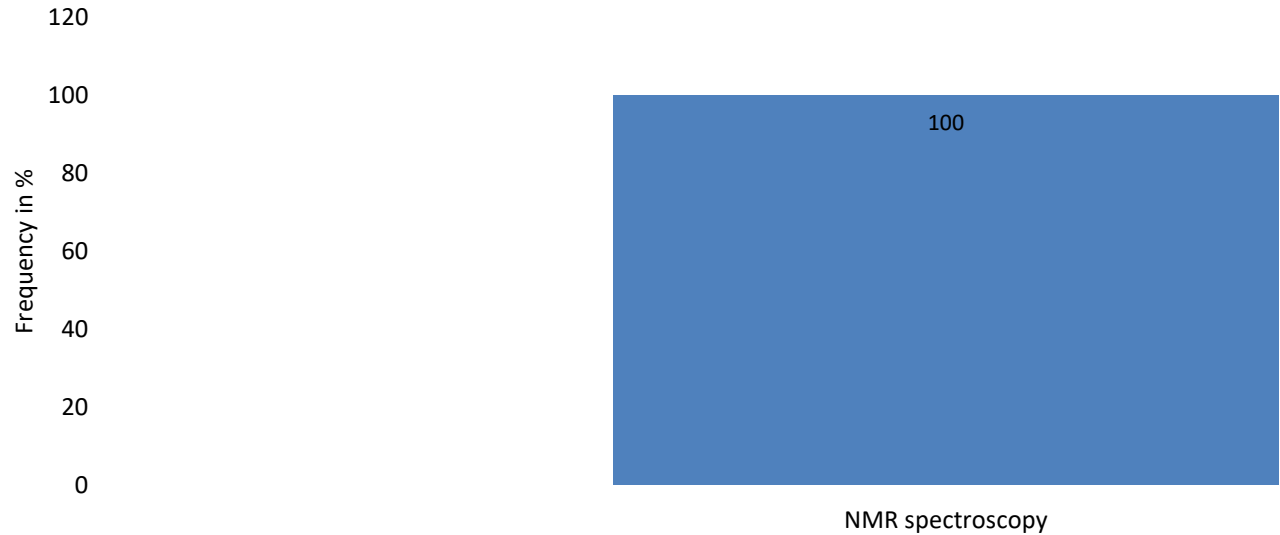
Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Other/further/comments

Number Answers	1	Number unique	1
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Value/Answer	Number	Frequency
NMR spectroscopy	1	100%
Total	1	100%

Entry field of Other/further/comments



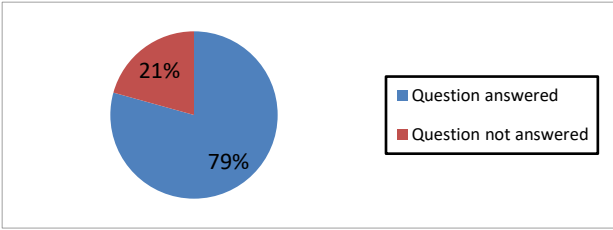
Question 4 - Research Area(s)

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	29	100%
Question answered	23	79.31%
Question not answered	6	20.69%



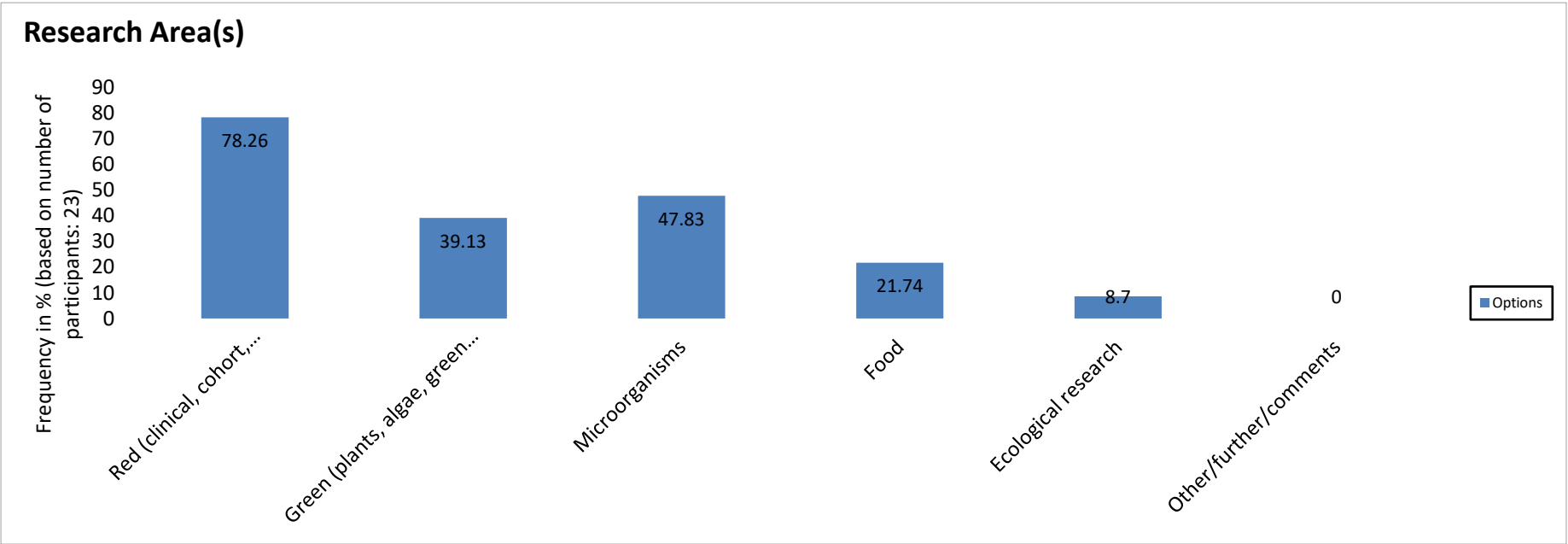
Results

Options	Variable	Code	Number	Frequency by participant	Frequency by answers
Red (clinical, cohort, human, animal models, toxicology, nutrition, ...)	V50	1	18	78.26%	40%
Green (plants, algae, green biotechnology)	V51	1	9	39.13%	20%
Microorganisms	V52	1	11	47.83%	24.44%
Food	V53	1	5	21.74%	11.11%
Ecological research	V54	1	2	8.70%	4.44%
Other/further/comments	V56	1	0	0%	0%
Total			45 Answers	23 Participants	

Question 4 - Research Area(s)

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)



Question 4 - Research Area(s)

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Other/further/comments

Number Answers	0	Number unique	0
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Value/Answer	Number	Frequency
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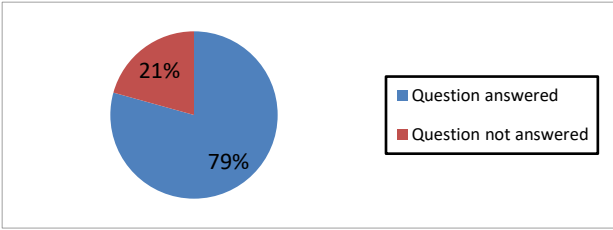
Question 5 - Organisms investigated in your lab

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	29	100%
Question answered	23	79.31%
Question not answered	6	20.69%



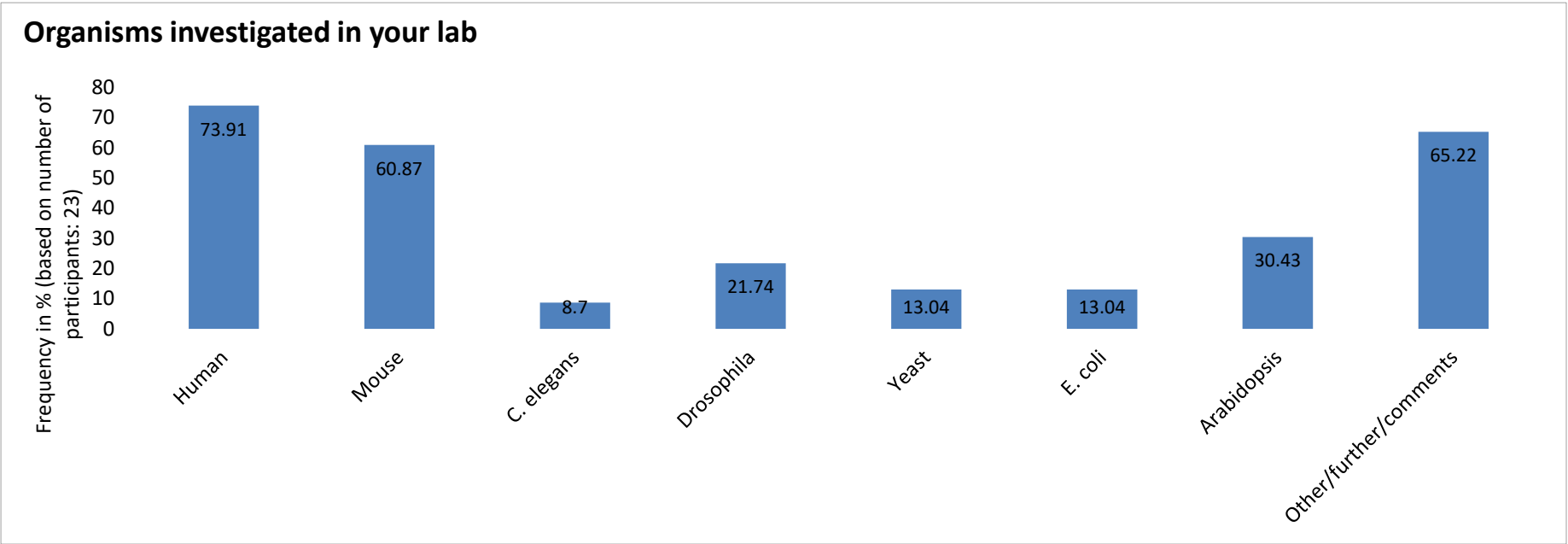
Results

Options	Variable	Code	Number	Frequency by participant	Frequency by answers
Human	V55	1	17	73.91%	25.76%
Mouse	V57	1	14	60.87%	21.21%
C. elegans	V58	1	2	8.70%	3.03%
Drosophila	V59	1	5	21.74%	7.58%
Yeast	V60	1	3	13.04%	4.55%
E. coli	V61	1	3	13.04%	4.55%
Arabidopsis	V62	1	7	30.43%	10.61%
Other/further/comments	V148	1	15	65.22%	22.73%
Total			66 Answers	23 Participants	

Question 5 - Organisms investigated in your lab

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)



Question 5 - Organisms investigated in your lab

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Other/further/comments

Number Answers	15	Number unique	13
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Value/Answer	Number	Frequency
Zebrafish	1	6.67%
Our Samples are roughly 90% Mouse, 9% Human, 1% Drosophila	1	6.67%
Different type of plants, Human microbiome, Mussels and other animals	1	6.67%
algae, other animals including invertebrates, different cell types	1	6.67%
C. difficile S. solfataricus P. aeruginosa P. inhibens	1	6.67%
rat, cell cultures	1	6.67%
Zebrafish, rat, mammalian cell lines, Lemna, field crops and vegetables, microorganisms other than Saccharomyces	1	6.67%
many bacteria	1	6.67%
Brassica species corn wheat ficus oak tomato moringa peregrina sugar cane cassava conyzia canadensis plantago lanceolata white clover	1	6.67%

Question 5 - Organisms investigated in your lab

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

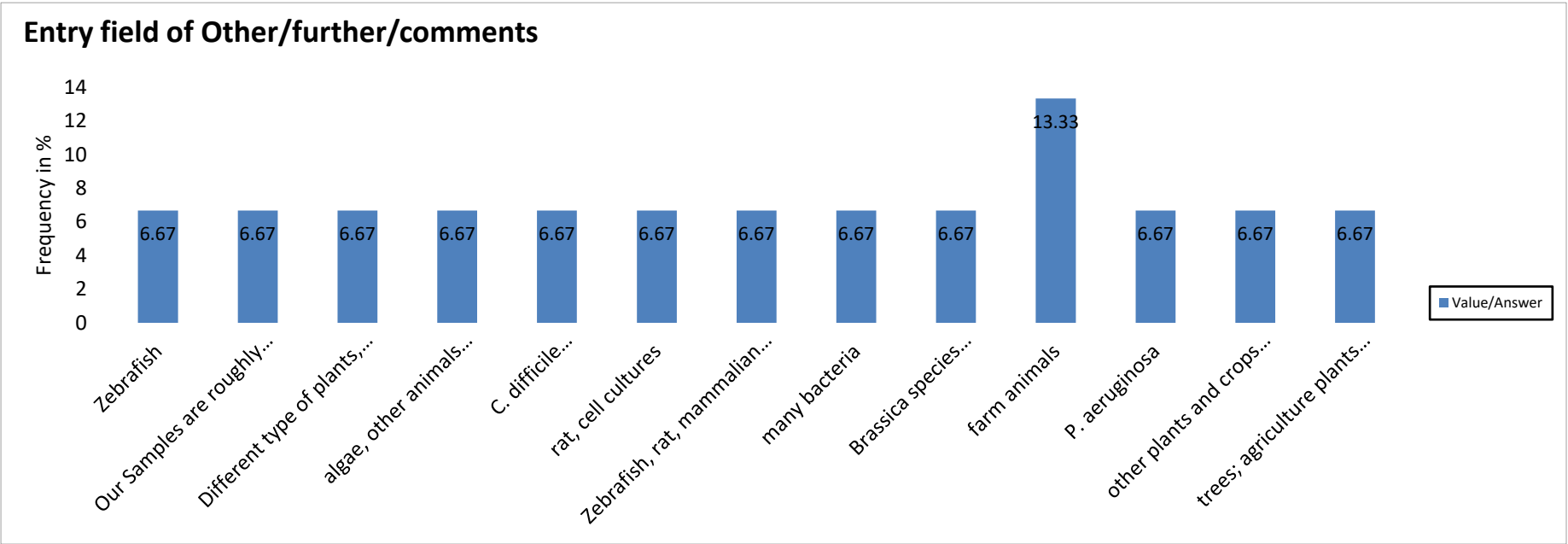
Number of participants evaluated: 29 (all participants)

farm animals	2	13.33%
P. aeruginosa	1	6.67%
other plants and crops	1	6.67%
cyanobacteria		
eukaryotic algae		
trees; agriculture plants (e.g. wheat, tomato, rice etc.); microbes (bacteria isolates, fungi).	1	6.67%
Total14		93.33%

Question 5 - Organisms investigated in your lab

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)



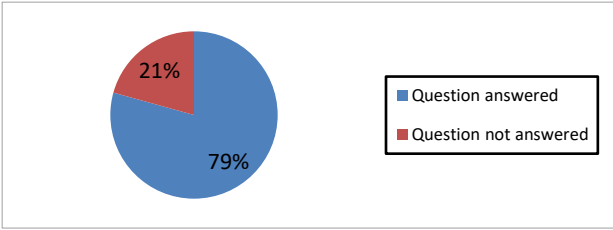
Question 6 - Analytical platform(s) used in your lab

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

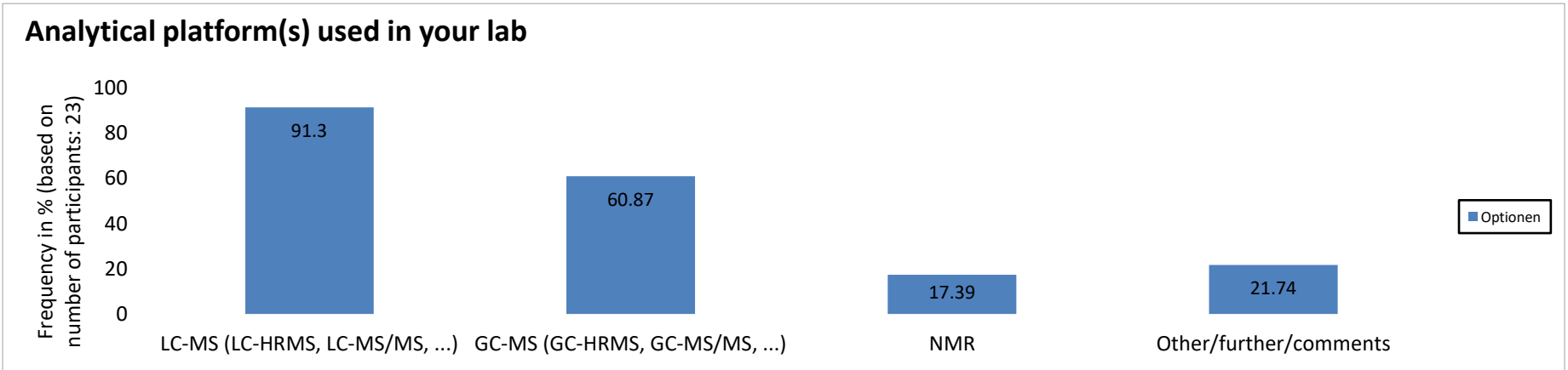
of 29 participants	Number	Percent
Question seen	23	79.31%
Question answered	23	79.31%
Question not answered	6	20.69%



Results

Options	Variable	Code	Number	Frequency by participant	Frequency by answers
LC-MS (LC-HRMS, LC-MS/MS, ...)	V69	1	21	91.30%	47.73%
GC-MS (GC-HRMS, GC-MS/MS, ...)	V70	1	14	60.87%	31.82%
NMR	V71	1	4	17.39%	9.09%
Other/further/comments	V121	1	5	21.74%	11.36%
Total			44 Answers	23 Participants	

Analytical platform(s) used in your lab



Question 6 - Analytical platform(s) used in your lab

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

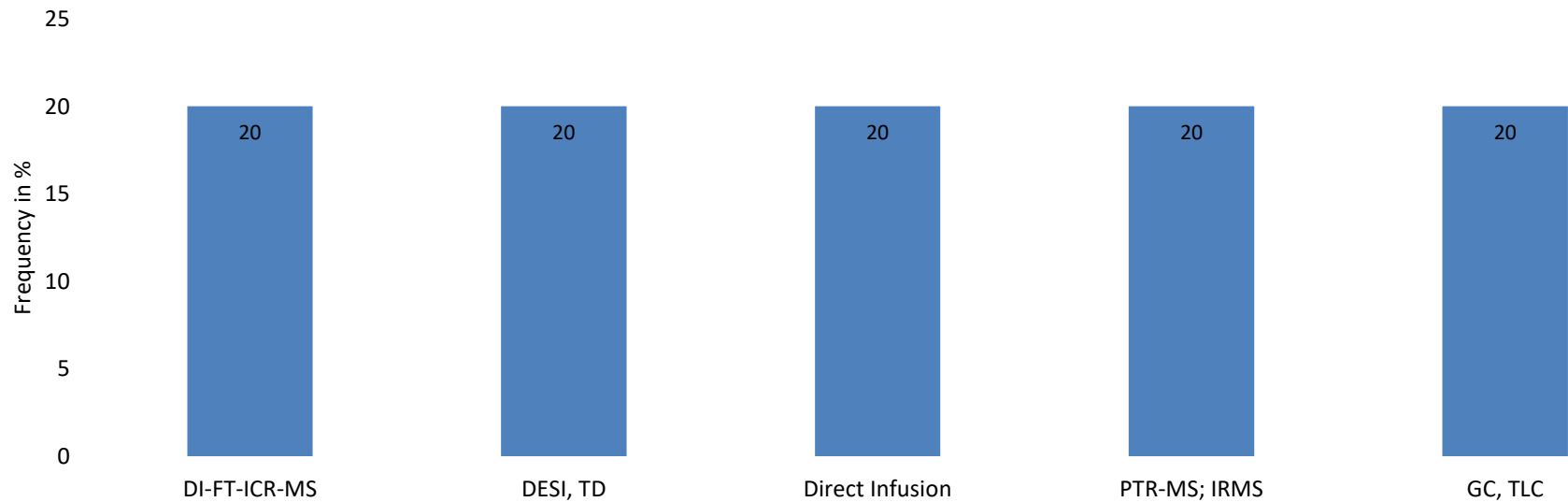
Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Other/further/comments

Number Answers	5	Number unique	5
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Value/Answer	Number	Frequency
DI-FT-ICR-MS	1	20%
DESI, TD	1	20%
Direct Infusion	1	20%
PTR-MS; IRMS	1	20%
GC, TLC	1	20%
Total	5	100%

Entry field of Other/further/comments



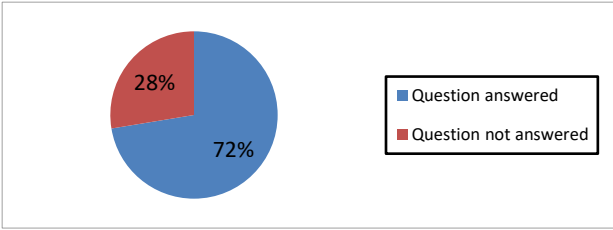
Question 7 - Type(s) of Mass Spectrometer (LC-MS)

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

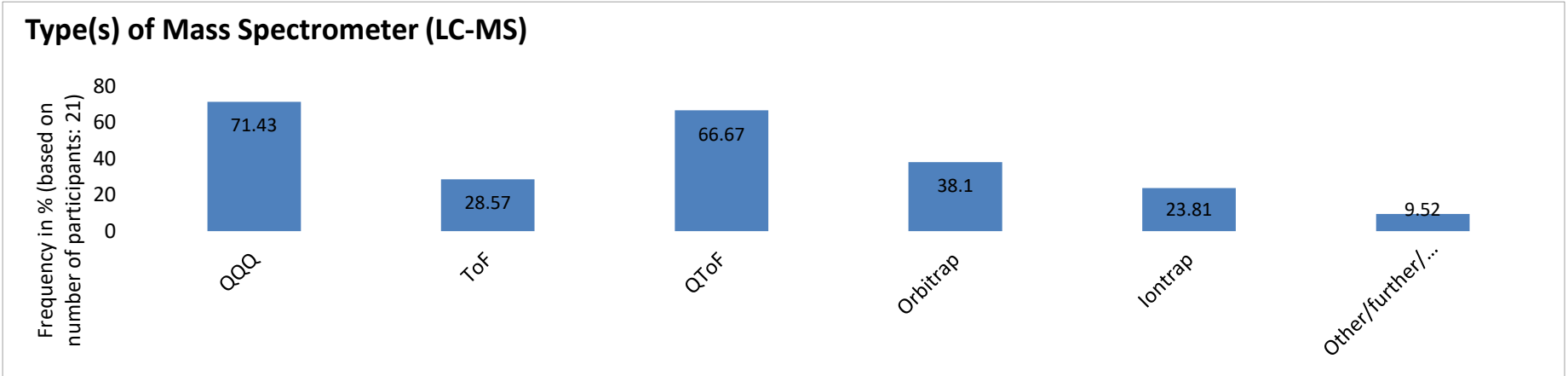
of 29 participants	Number	Percent
Question seen	21	72.41%
Question answered	21	72.41%
Question not answered	8	27.59%



Results

Options	Variable	Code	Number	Frequency by participant	Frequency by answers
QQQ	V72	1	15	71.43%	30%
ToF	V73	1	6	28.57%	12%
QToF	V74	1	14	66.67%	28%
Orbitrap	V75	1	8	38.10%	16%
Iontrap	V124	1	5	23.81%	10%
Other/further/comments	V146	1	2	9.52%	4%
Total			50 Answers	21 Participants	

Type(s) of Mass Spectrometer (LC-MS)



Question 7 - Type(s) of Mass Spectrometer (LC-MS)

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

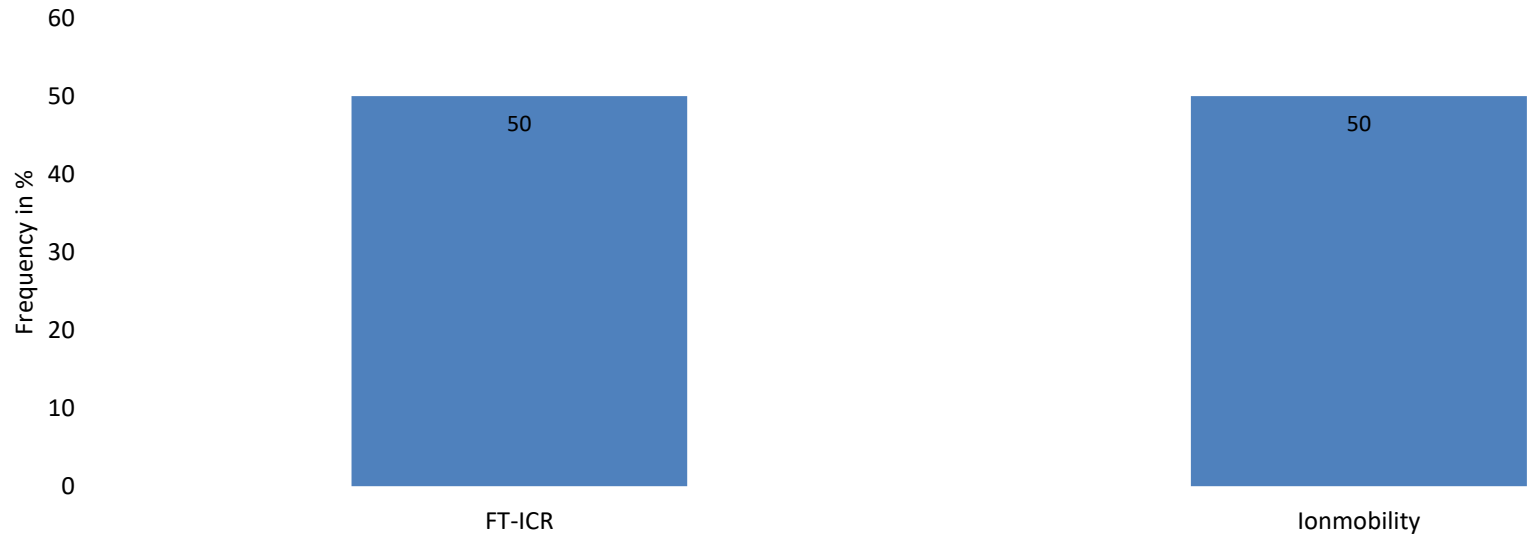
Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Other/further/comments

Number Answers	2	Number unique	2
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Value/Answer	Number	Frequency
FT-ICR	1	50%
Ionmobility	1	50%
Total	2	100%

Entry field of Other/further/comments



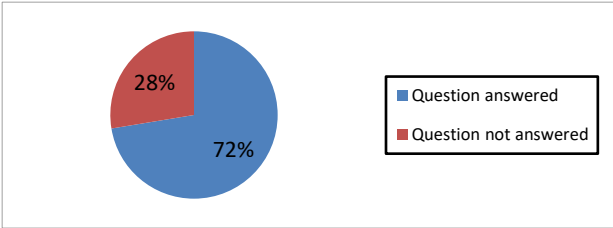
Question 8 - Type(s) of Chromatography (LC-MS)

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	21	72.41%
Question answered	21	72.41%
Question not answered	8	27.59%



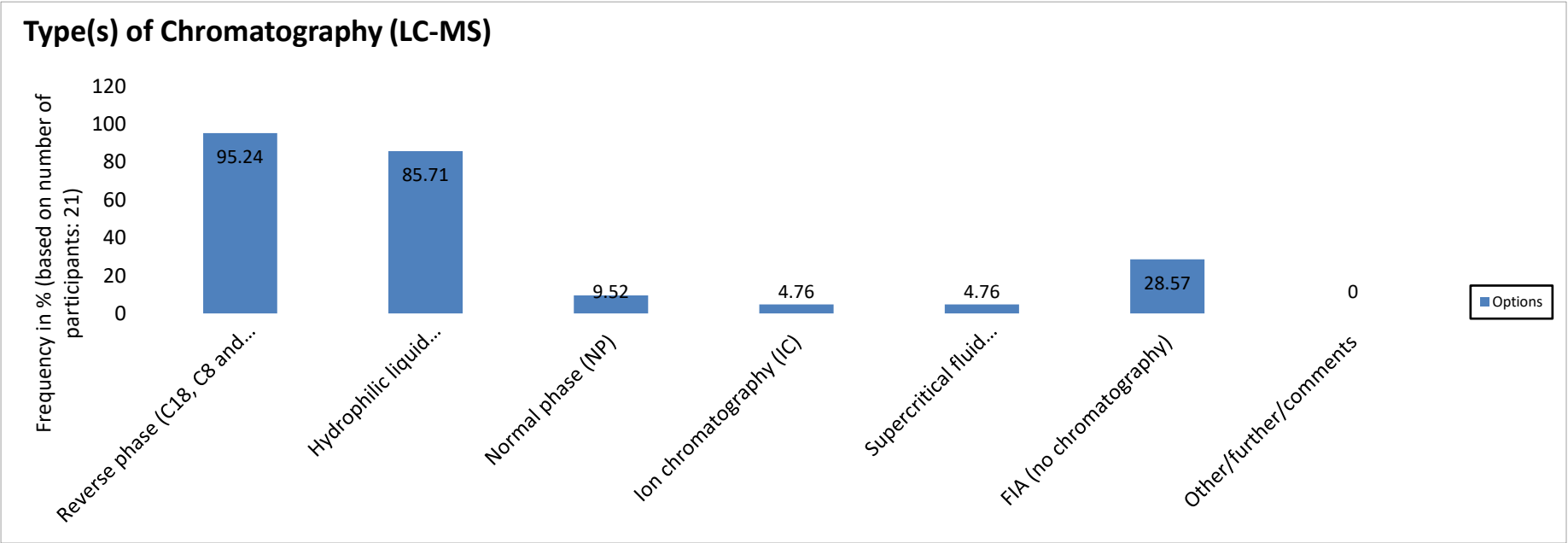
Results

Options	Variable	Code	Number	Frequency by participant	Frequency by answers
Reverse phase (C18, C8 and similar)	V80	1	20	95.24%	41.67%
Hydrophilic liquid interaction chromatography (HILIC)	V81	1	18	85.71%	37.50%
Normal phase (NP)	V82	1	2	9.52%	4.17%
Ion chromatography (IC)	V83	1	1	4.76%	2.08%
Supercritical fluid chromatography (SFC)	V141	1	1	4.76%	2.08%
FIA (no chromatography)	V142	1	6	28.57%	12.50%
Other/further/comments	V147	1	0	0%	0%
Total			48 Answers	21 Participants	

Question 8 - Type(s) of Chromatography (LC-MS)

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)



Question 8 - Type(s) of Chromatography (LC-MS)

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Other/further/comments

Number Answers	0	Number unique	0
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Value/Answer	Number	Frequency
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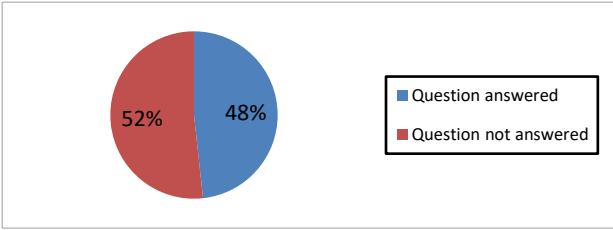
Question 9 - Type(s) of Mass Spectrometer (GC-MS)

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	14	48.28%
Question answered	14	48.28%
Question not answered	15	51.72%



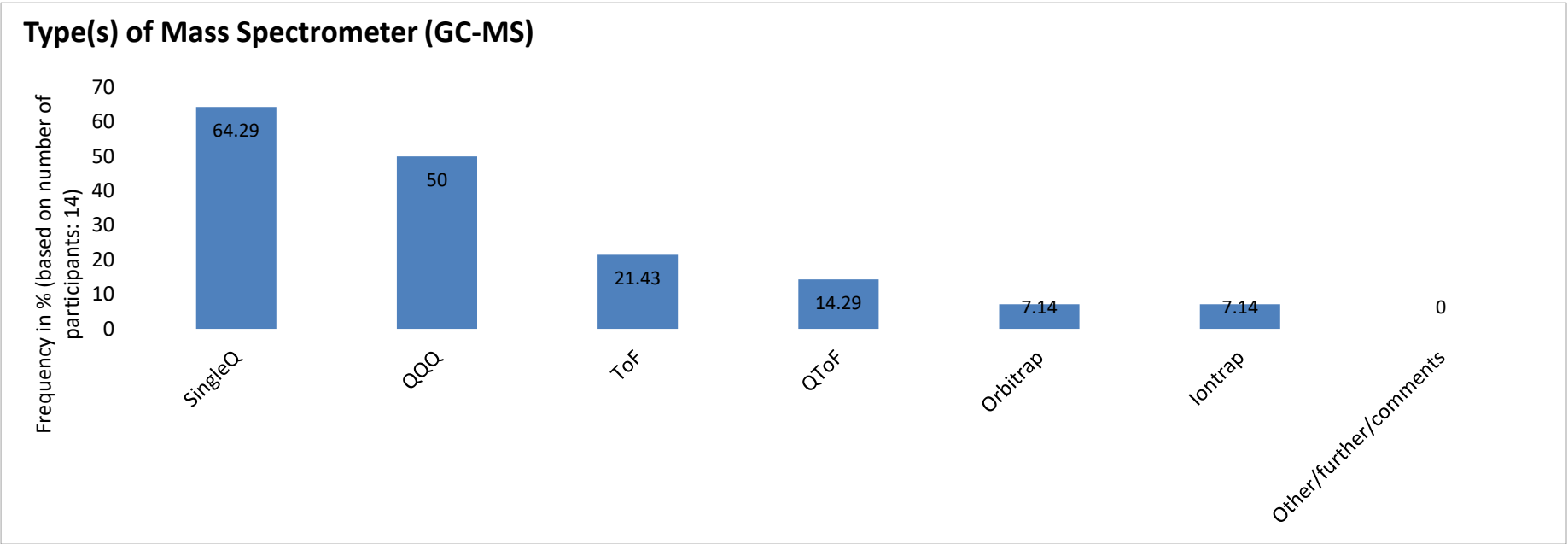
Results

Options	Variable	Code	Number	Frequency by participant	Frequency by answers
SingleQ	V76	1	9	64.29%	39.13%
QQQ	V77	1	7	50%	30.43%
ToF	V78	1	3	21.43%	13.04%
QToF	V79	1	2	14.29%	8.70%
Orbitrap	V125	1	1	7.14%	4.35%
Iontrap	V140	1	1	7.14%	4.35%
Other/further/comments	V145	1	0	0%	0%
Total			23 Answers	14 Participants	

Question 9 - Type(s) of Mass Spectrometer (GC-MS)

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)



Question 9 - Type(s) of Mass Spectrometer (GC-MS)

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Other/further/comments

Number Answers	0	Number unique	0
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Value/Answer	Number	Frequency
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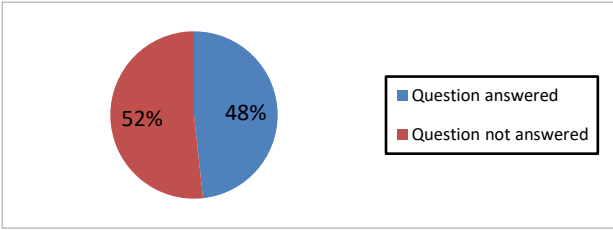
Question 10 - Type(s) of Chromatography (GC-MS)

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	14	48.28%
Question answered	14	48.28%
Question not answered	15	51.72%



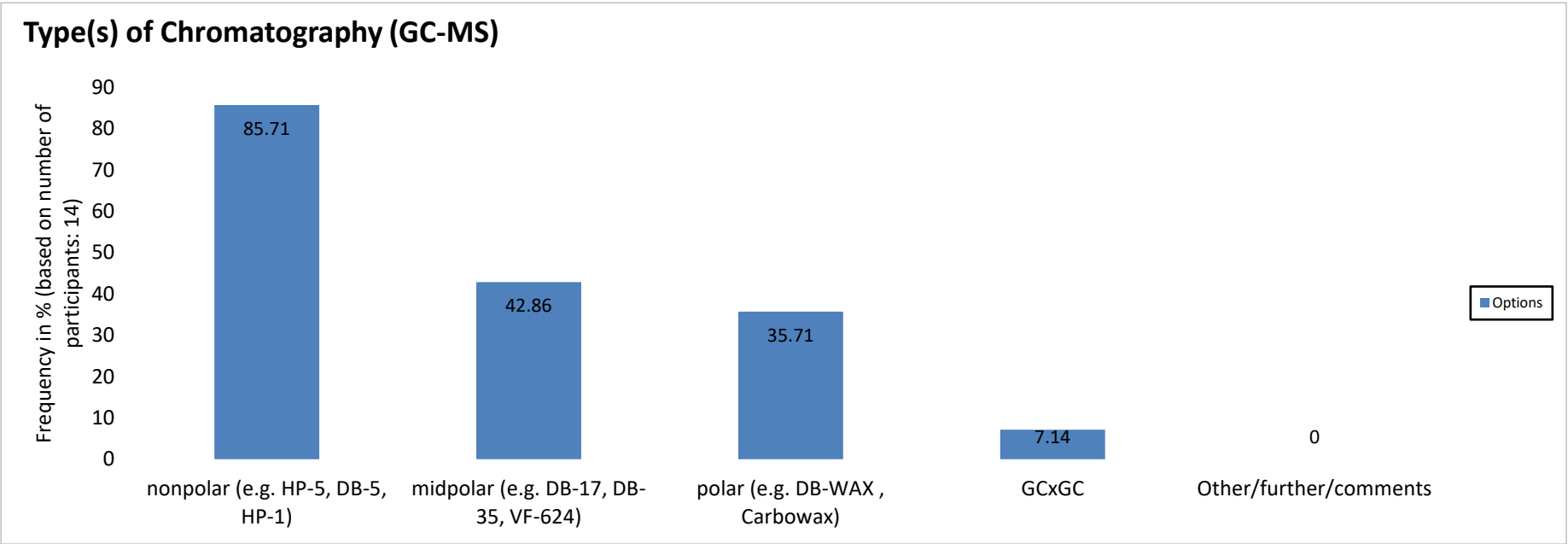
Results

Options	Variable	Code	Number	Frequency by participant	Frequency by answers
nonpolar (e.g. HP-5, DB-5, HP-1)	V84	1	12	85.71%	50%
midpolar (e.g. DB-17, DB-35, VF-624)	V85	1	6	42.86%	25%
polar (e.g. DB-WAX , Carbowax)	V86	1	5	35.71%	20.83%
GCxGC	V87	1	1	7.14%	4.17%
Other/further/comments	V99	1	0	0%	0%
Total			24 Answers	14 Participants	

Question 10 - Type(s) of Chromatography (GC-MS)

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)



Question 10 - Type(s) of Chromatography (GC-MS)

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Other/further/comments

Number Answers	0	Number unique	0
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Value/Answer	Number	Frequency
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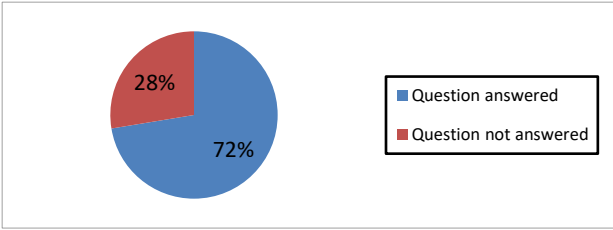
Question 11 - Ion source(s) used in your lab

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	23	79.31%
Question answered	21	72.41%
Question not answered	8	27.59%



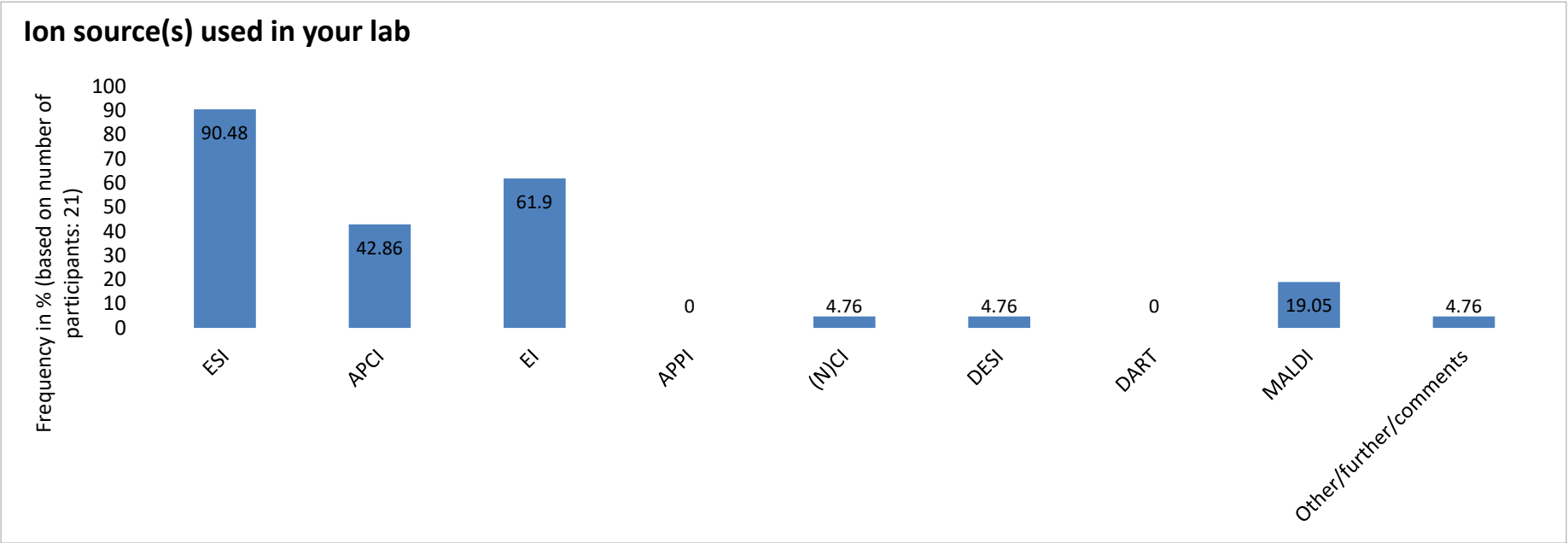
Results

Options	Variable	Code	Number	Frequency by participant	Frequency by answers
ESI	V88	1	19	90.48%	39.58%
APCI	V91	1	9	42.86%	18.75%
EI	V92	1	13	61.90%	27.08%
APPI	V93	1	0	0%	0%
(N)CI	V94	1	1	4.76%	2.08%
DESI	V95	1	1	4.76%	2.08%
DART	V96	1	0	0%	0%
MALDI	V97	1	4	19.05%	8.33%
Other/further/comments	V98	1	1	4.76%	2.08%
Total			48 Answers	21 Participants	

Question 11 - Ion source(s) used in your lab

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)



Question 11 - Ion source(s) used in your lab

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Other/further/comments

Number Answers	1	Number unique	1
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Value/Answer	Number	Frequency
PTR	1	100%
Total	1	100%

Entry field of Other/further/comments



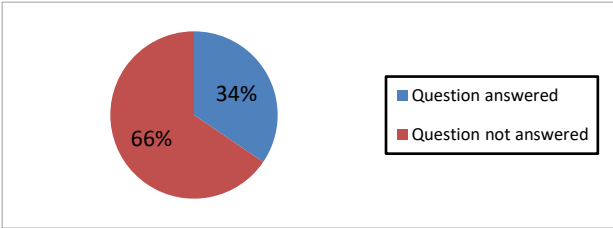
Question 12 - Ion Mobility Usage

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

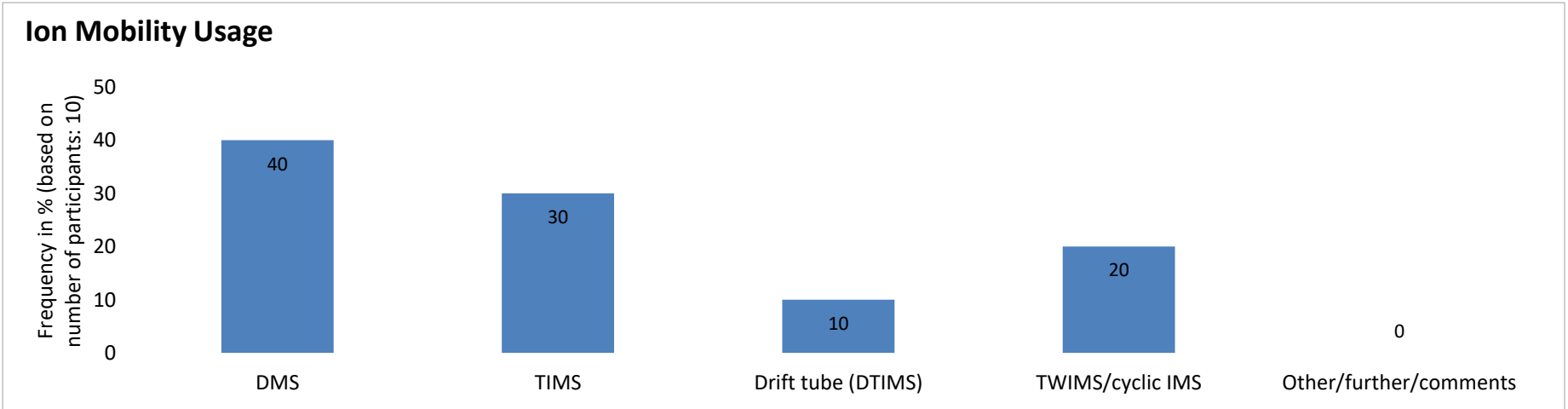
of 29 participants	Number	Percent
Question seen	23	79.31%
Question answered	10	34.48%
Question not answered	19	65.52%



Results

Options	Variable	Code	Number	Frequency by participant	Frequency by answers
DMS	V20	1	4	40%	40%
TIMS	V21	1	3	30%	30%
Drift tube (DTIMS)	V22	1	1	10%	10%
TWIMS/cyclic IMS	V23	1	2	20%	20%
Other/further/comments	V66	1	0	0%	0%
Total			10 Answers	10 Participants	

Ion Mobility Usage



Question 12 - Ion Mobility Usage

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Other/further/comments

Number Answers	0	Number unique	0
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Value/Answer	Number	Frequency
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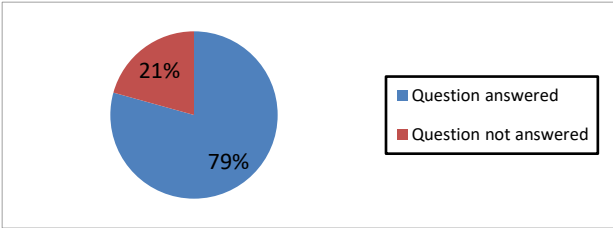
Question 13 - Tell us which analysis strategies you use and give a score from 1 to 5 for how frequently you use it

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	23	79.31%
Question answered	23	79.31%
Question not answered	6	20.69%



Rate from 1 = rarely to 5 = very often

Results (Total)

Frequency in %	Variable	Value 1	Value 2	Value 3	Value 4	Value 5	Total	no answer
LC-MS	V12	0%	0%	5.26%	10.53%	84.21%	19	17.39%
LC-UV or other detectors	V13	50%	18.75%	6.25%	6.25%	18.75%	16	30.43%
Direct infusion-MS	V14	29.41%	23.53%	0%	11.76%	35.29%	17	26.09%
GC-MS	V15	22.22%	22.22%	0%	16.67%	38.89%	18	21.74%
GC-FID or other detectors	V16	50%	8.33%	8.33%	16.67%	16.67%	12	47.83%
Ion mobility-MS	V67	33.33%	25%	8.33%	25%	8.33%	12	47.83%
NMR	V123	70%	10%	10%	0%	10%	10	56.52%
Raman spectroscopy	V131	100%	0%	0%	0%	0%	8	65.22%

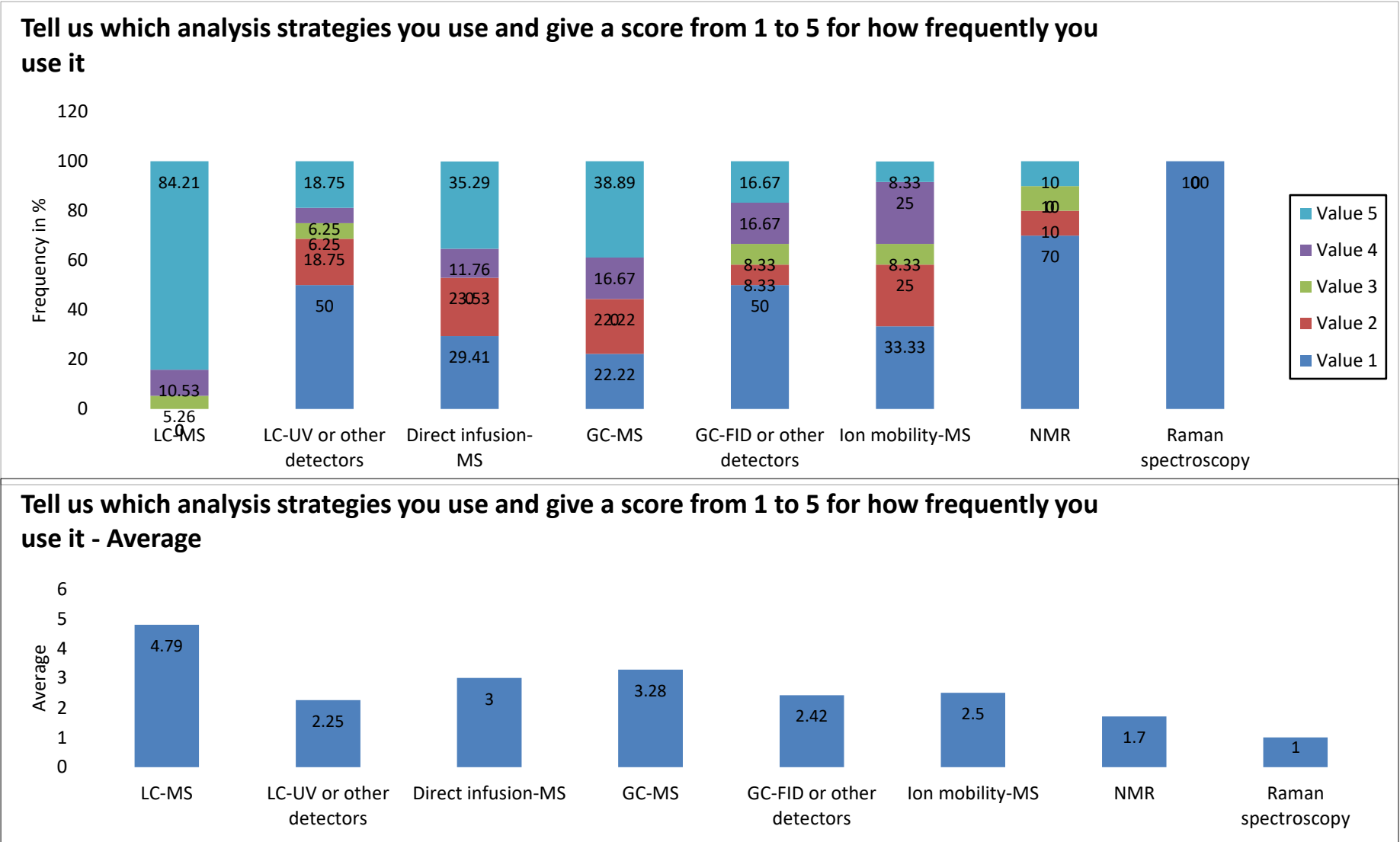
Frequency Number	Variable	Value 1	Value 2	Value 3	Value 4	Value 5	Total	no answer	Average	Median
LC-MS	V12	0	0	1	2	16	19	4	4.79	5
LC-UV or other detectors	V13	8	3	1	1	3	16	7	2.25	1.50
Direct infusion-MS	V14	5	4	0	2	6	17	6	3	2
GC-MS	V15	4	4	0	3	7	18	5	3.28	4
GC-FID or other detectors	V16	6	1	1	2	2	12	11	2.42	1.50
Ion mobility-MS	V67	4	3	1	3	1	12	11	2.50	2
NMR	V123	7	1	1	0	1	10	13	1.70	1
Raman spectroscopy	V131	8	0	0	0	0	8	15	1	1
Total		42	16	5	13	36	112	72	2.87	2

Question 13 - Tell us which analysis strategies you use and give a score from 1 to 5 for how frequently you use it

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Rate from 1 = rarely to 5 = very often



Question 13 - Tell us which analysis strategies you use and give a score from 1 to 5 for how frequently you use it

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

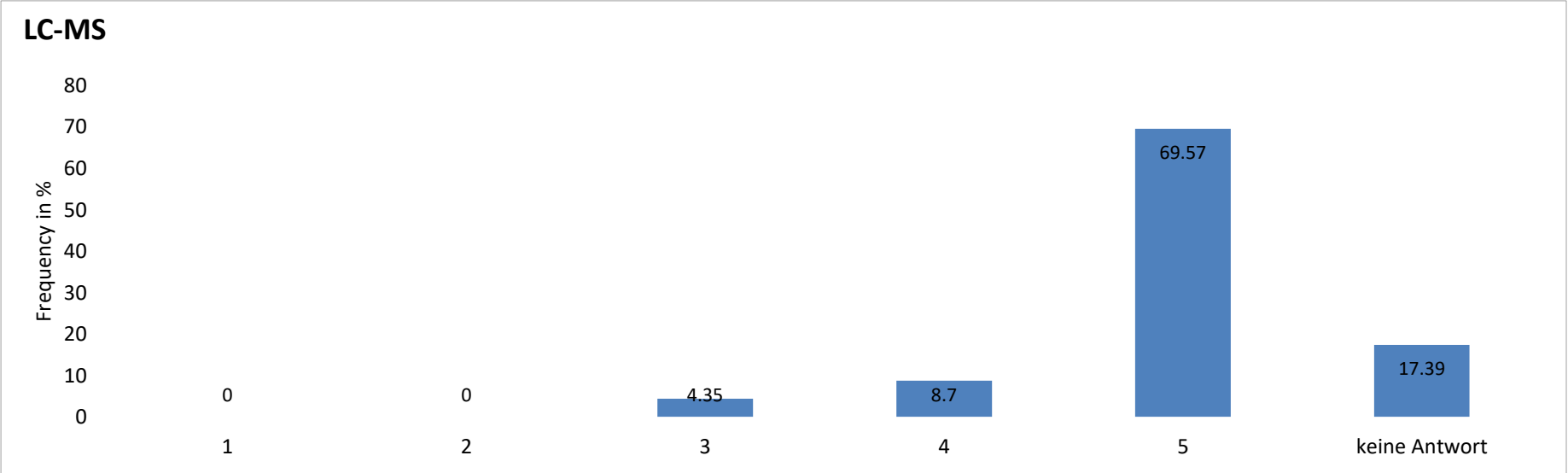
Number of participants evaluated: 29 (all participants)

Detailed results for LC-MS

Variable	V12	Number of answers	19
Average	4.79	Median	5
Variance	0.27	Standard deviation	0.52
Smallest Value	3	Highest Value	5

Value/Answer	Number	Frequency
1	0	0%
2	0	0%
3	1	4.35%
4	2	8.70%
5	16	69.57%
no answer	4	17.39%
Total	23	79.31%

Rate from 1 = rarely to 5 = very often



Question 13 - Tell us which analysis strategies you use and give a score from 1 to 5 for how frequently you use it

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

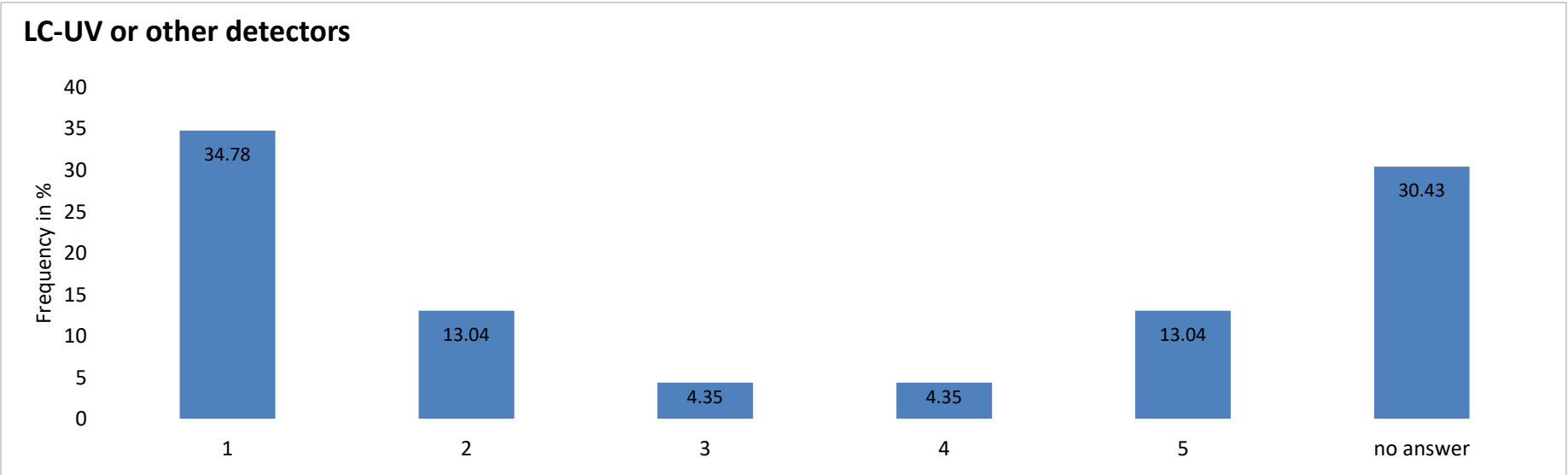
Number of participants evaluated: 29 (all participants)

Detailed results for LC-UV or other detectors

Variable	V13	Number of answers	16
Average	2.25	Median	1.50
Variance	2.44	Standard deviation	1.56
Smallest Value	1	Highest Value	5

Value/Answer	Number	Frequency
1	8	34.78%
2	3	13.04%
3	1	4.35%
4	1	4.35%
5	3	13.04%
no answer	7	30.43%
Total	23	79.31%

Rate from 1 = rarely to 5 = very often



Question 13 - Tell us which analysis strategies you use and give a score from 1 to 5 for how frequently you use it

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

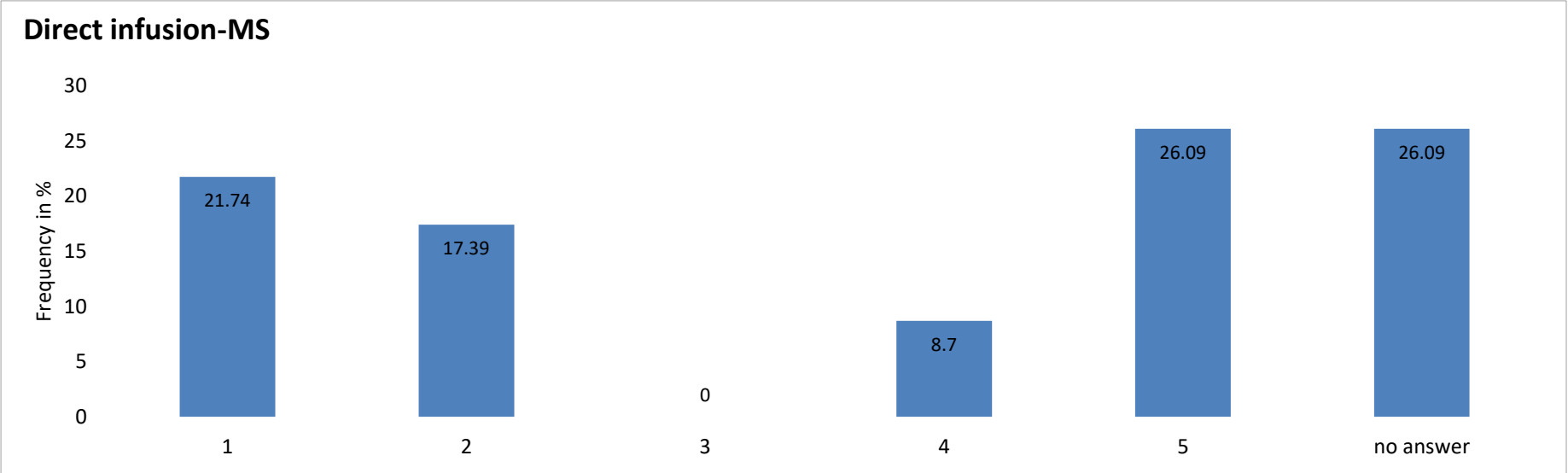
Number of participants evaluated: 29 (all participants)

Detailed results for Direct infusion-MS

Variable	V14	Number of answers	17
Average	3	Median	2
Variance	2.94	Standard deviation	1.71
Smallest Value	1	Highest Value	5

Value/Answer	Number	Frequency
1	5	21.74%
2	4	17.39%
3	0	0%
4	2	8.70%
5	6	26.09%
no answer	6	26.09%
Total	23	79.31%

Rate from 1 = rarely to 5 = very often



Question 13 - Tell us which analysis strategies you use and give a score from 1 to 5 for how frequently you use it

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

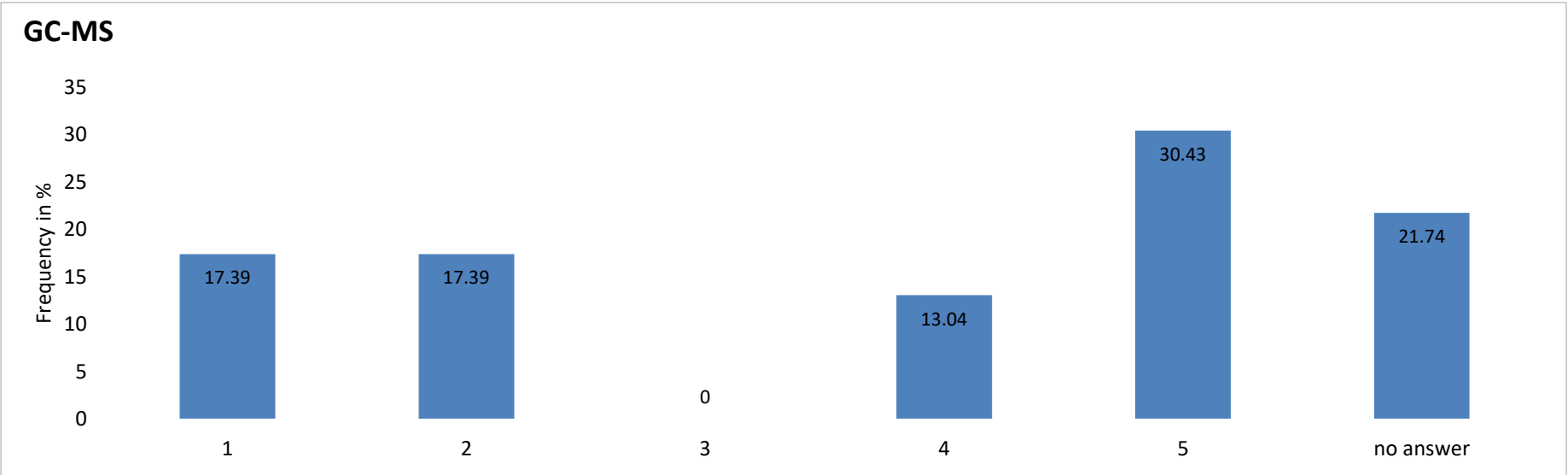
Number of participants evaluated: 29 (all participants)

Detailed results for GC-MS

Variable	V15	Number of answers	18
Average	3.28	Median	4
Variance	2.76	Standard deviation	1.66
Smallest Value	1	Highest Value	5

Value/Answer	Number	Frequency
1	4	17.39%
2	4	17.39%
3	0	0%
4	3	13.04%
5	7	30.43%
no answer	5	21.74%
Total	23	79.31%

Rate from 1 = rarely to 5 = very often



Question 13 - Tell us which analysis strategies you use and give a score from 1 to 5 for how frequently you use it

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

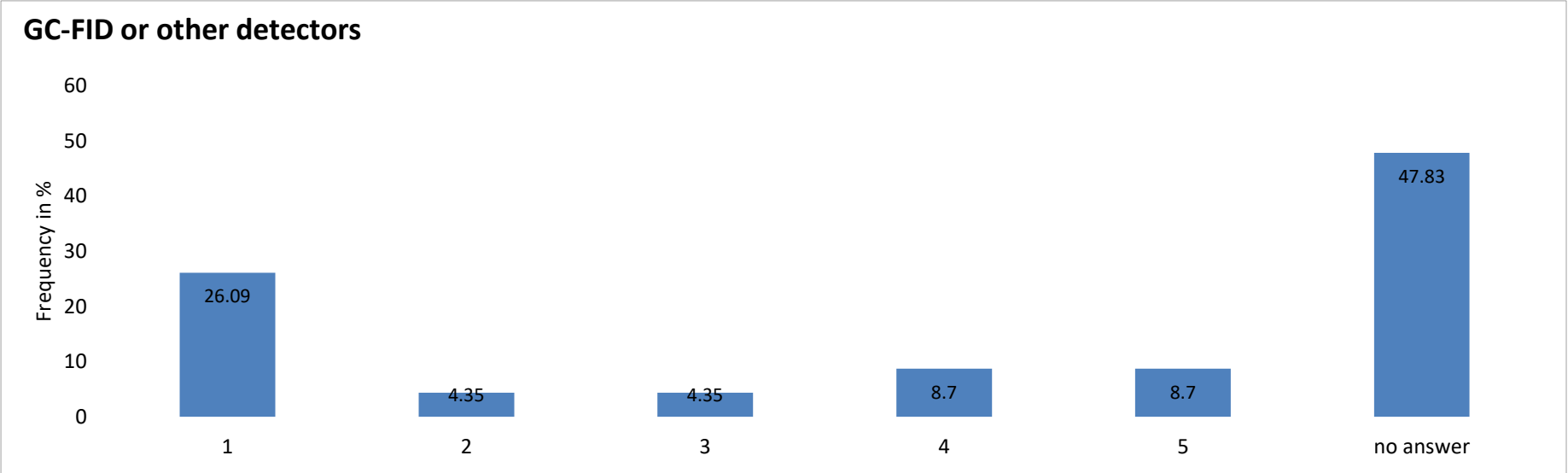
Number of participants evaluated: 29 (all participants)

Detailed results for GC-FID or other detectors

Variable	V16	Number of answers	12
Average	2.42	Median	1.50
Variance	2.58	Standard deviation	1.61
Smallest Value	1	Highest Value	5

Value/Answer	Number	Frequency
1	6	26.09%
2	1	4.35%
3	1	4.35%
4	2	8.70%
5	2	8.70%
no answer	11	47.83%
Total	23	79.31%

Rate from 1 = rarely to 5 = very often



Question 13 - Tell us which analysis strategies you use and give a score from 1 to 5 for how frequently you use it

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

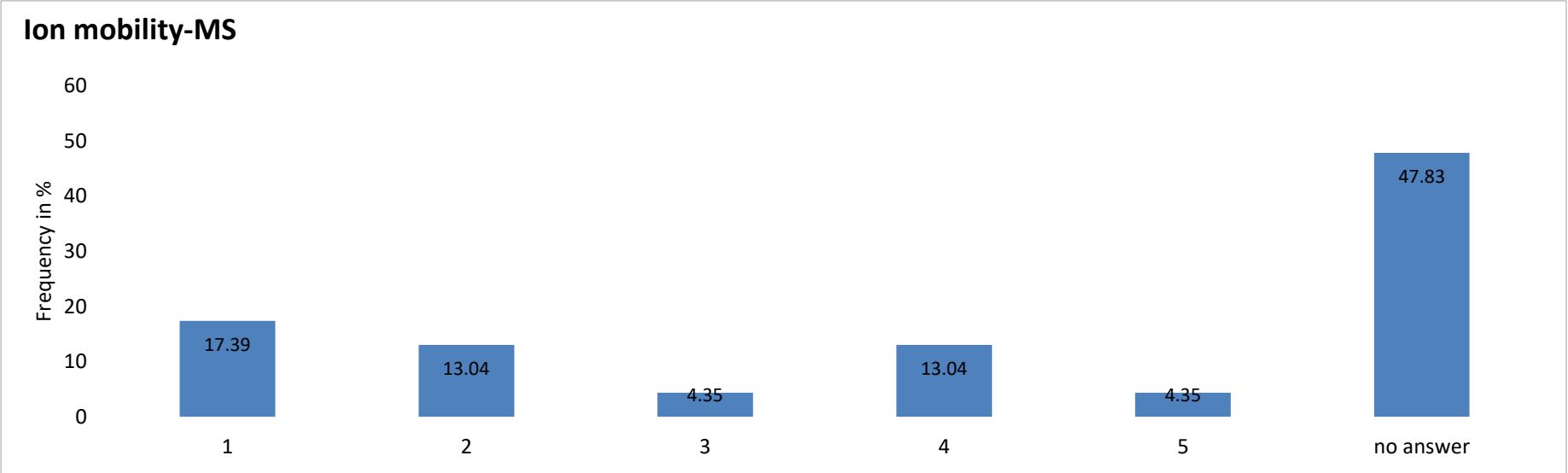
Number of participants evaluated: 29 (all participants)

Detailed results for Ion mobility-MS

Variable	V67	Number of answers	12
Average	2.50	Median	2
Variance	1.92	Standard deviation	1.38
Smallest Value	1	Highest Value	5

Value/Answer	Number	Frequency
1	4	17.39%
2	3	13.04%
3	1	4.35%
4	3	13.04%
5	1	4.35%
no answer	11	47.83%
Total	23	79.31%

Rate from 1 = rarely to 5 = very often



Question 13 - Tell us which analysis strategies you use and give a score from 1 to 5 for how frequently you use it

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

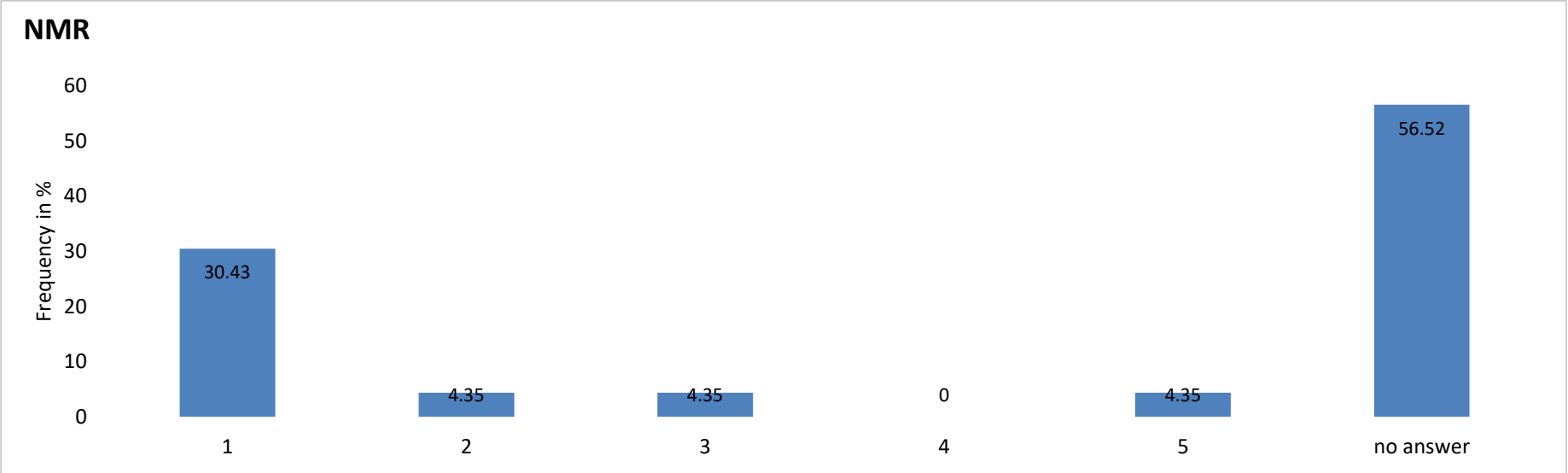
Number of participants evaluated: 29 (all participants)

Detailed results for NMR

Variable	V123	Number of answers	10
Average	1.70	Median	1
Variance	1.61	Standard deviation	1.27
Smallest Value	1	Highest Value	5

Value/Answer	Number	Frequency
1	7	30.43%
2	1	4.35%
3	1	4.35%
4	0	0%
5	1	4.35%
no answer	13	56.52%
Total	23	79.31%

Rate from 1 = rarely to 5 = very often



Question 13 - Tell us which analysis strategies you use and give a score from 1 to 5 for how frequently you use it

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

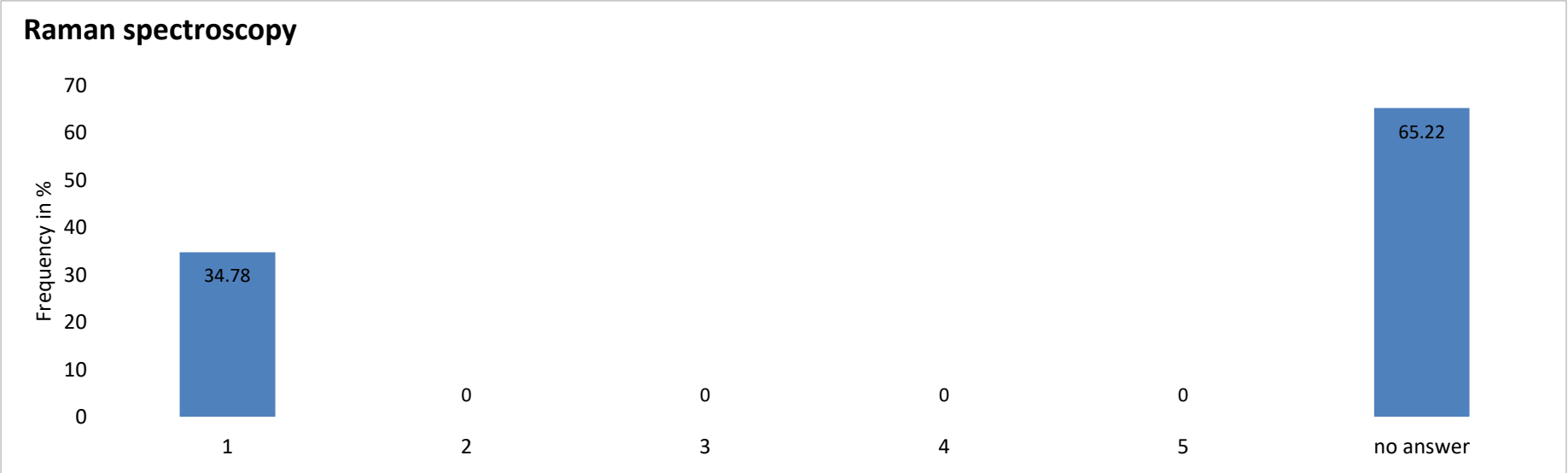
Number of participants evaluated: 29 (all participants)

Detailed results for Raman spectroscopy

Variable	V131	Number of answers	8
Average	1	Median	1
Variance	0	Standard deviation	0
Smallest Value	1	Highest Value	1

Value/Answer	Number	Frequency
1	8	34.78%
2	0	0%
3	0	0%
4	0	0%
5	0	0%
no answer	15	65.22%
Total	23	79.31%

Rate from 1 = rarely to 5 = very often



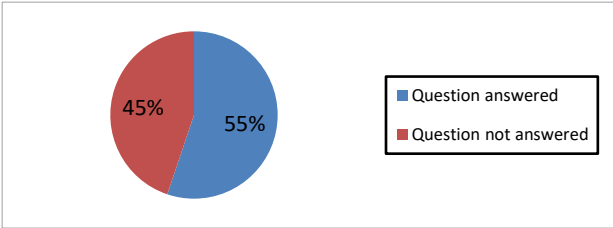
Question 14 - Expertise and Specialization

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	23	79.31%
Question answered	16	55.17%
Question not answered	13	44.83%



Detailed results for (1)

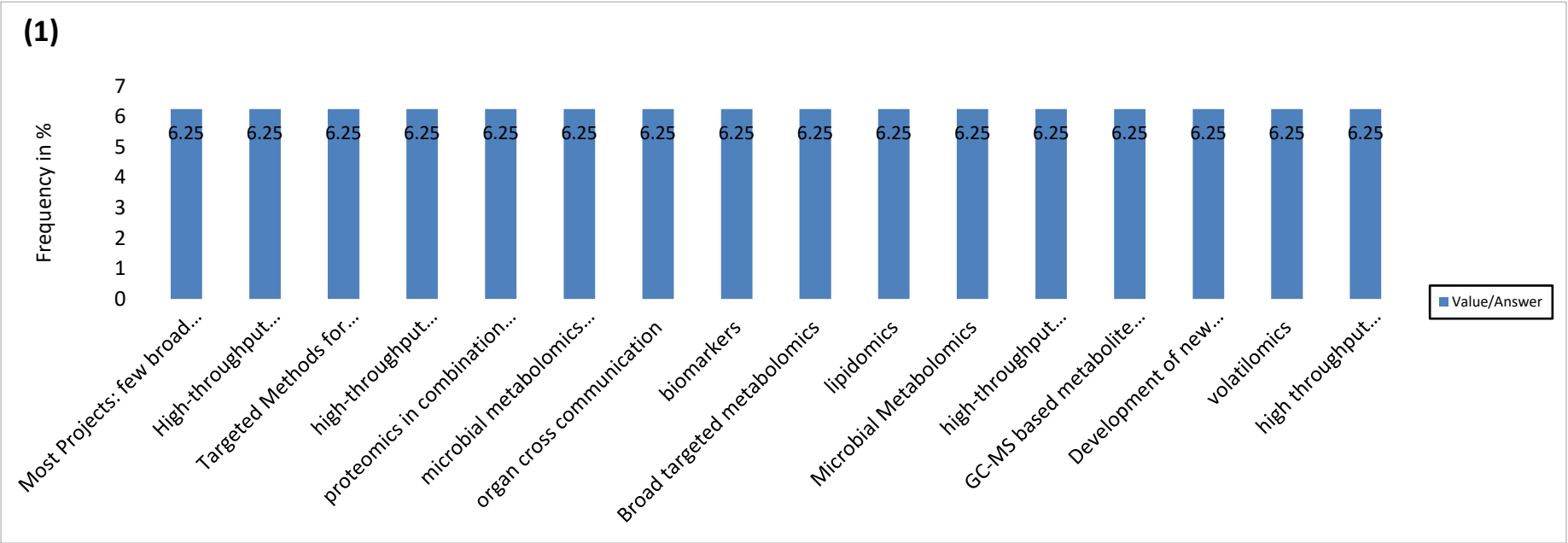
Number Answers	16	Number unique	16
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Value/Answer	Number	Frequency
Most Projects: few broad and robust methods applied to a great variety of samples and questions	1	6.25%
High-throughput Metabolomics for cohorts (human, animal, plant, microorgansim)	1	6.25%
Targeted Methods for collaboration partner	1	6.25%
high-throughput metabolomics of large cohorts > 500 samples	1	6.25%
proteomics in combination with metabolomics	1	6.25%
microbial metabolomics with special focus on thermoacidophilic archaea	1	6.25%
organ cross communication	1	6.25%
biomarkers	1	6.25%
Broad targeted metabolomics	1	6.25%
lipidomics	1	6.25%
Microbial Metabolomics	1	6.25%
high-throughput metabolomics by NMR	1	6.25%
GC-MS based metabolite profiling, database and data processing	1	6.25%
Development of new analytical strategies	1	6.25%
volatilomics	1	6.25%
high throughput metabolomics of large farm animal cohorts	1	6.25%
Total	16	100%

Question 14 - Expertise and Specialization

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)



Question 14 - Expertise and Specialization

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for (2)

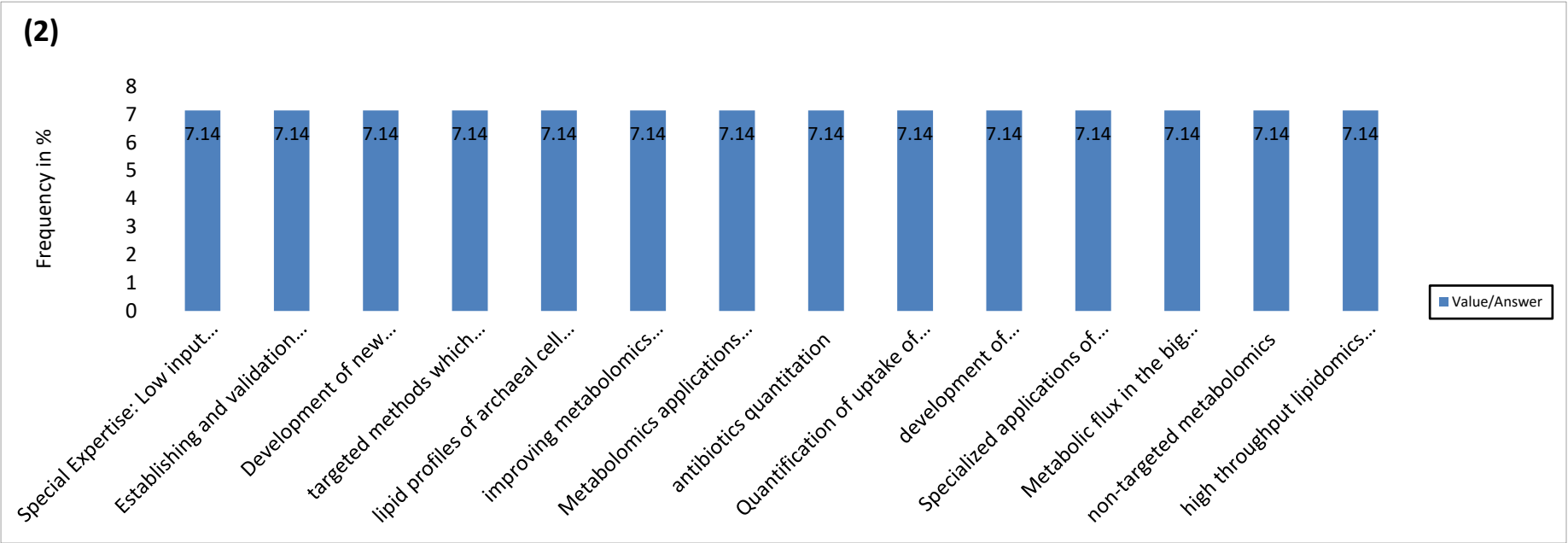
Number Answers	14	Number unique	14
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Value/Answer	Number	Frequency
Special Expertise: Low input samples (≤ 5000 cells/sample)	1	7.14%
Establishing and validation of bioinformatic pipelines	1	7.14%
Development of new annotation workflows	1	7.14%
targeted methods which are user-specific	1	7.14%
lipid profiles of archaeal cell walls	1	7.14%
improving metabolomics quality	1	7.14%
Metabolomics applications for toxicology	1	7.14%
antibiotics quantitation	1	7.14%
Quantification of uptake of small molecules into bacterial cells	1	7.14%
development of computational metabolomics methods	1	7.14%
Specialized applications of GC-MS and LC-MS based metabolite profiling protocols in combination	1	7.14%
Metabolic flux in the big clinical picture	1	7.14%
non-targeted metabolomics	1	7.14%
high throughput lipidomics of large farm animal cohorts	1	7.14%
Total	14	100%

Question 14 - Expertise and Specialization

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)



Question 14 - Expertise and Specialization

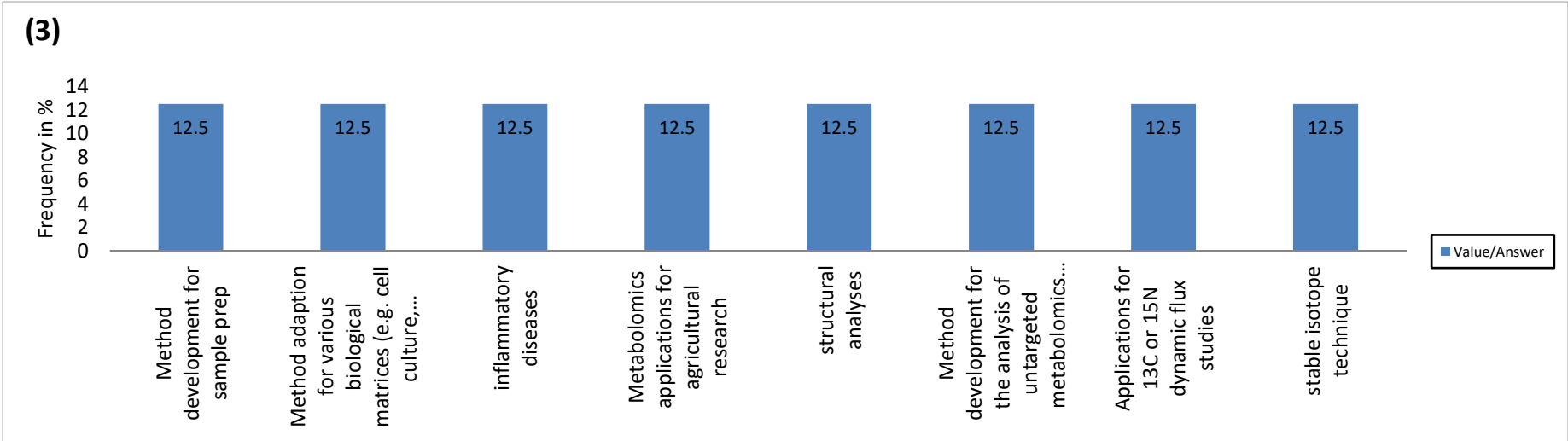
Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for (3)

Number Answers	8	Number unique	8
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Value/Answer	Number	Frequency
Method development for sample prep	1	12.50%
Method adaption for various biological matrices (e.g. cell culture, (animal) tissues...)	1	12.50%
inflammatory diseases	1	12.50%
Metabolomics applications for agricultural research	1	12.50%
structural analyses	1	12.50%
Method development for the analysis of untargeted metabolomics data	1	12.50%
Applications for 13C or 15N dynamic flux studies	1	12.50%
stable isotope technique	1	12.50%
Total		8
		100%



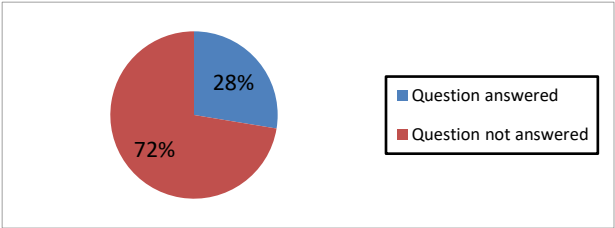
Question 15 - In-house Methods

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	23	79.31%
Question answered	8	27.59%
Question not answered	21	72.41%



Detailed results for (1)

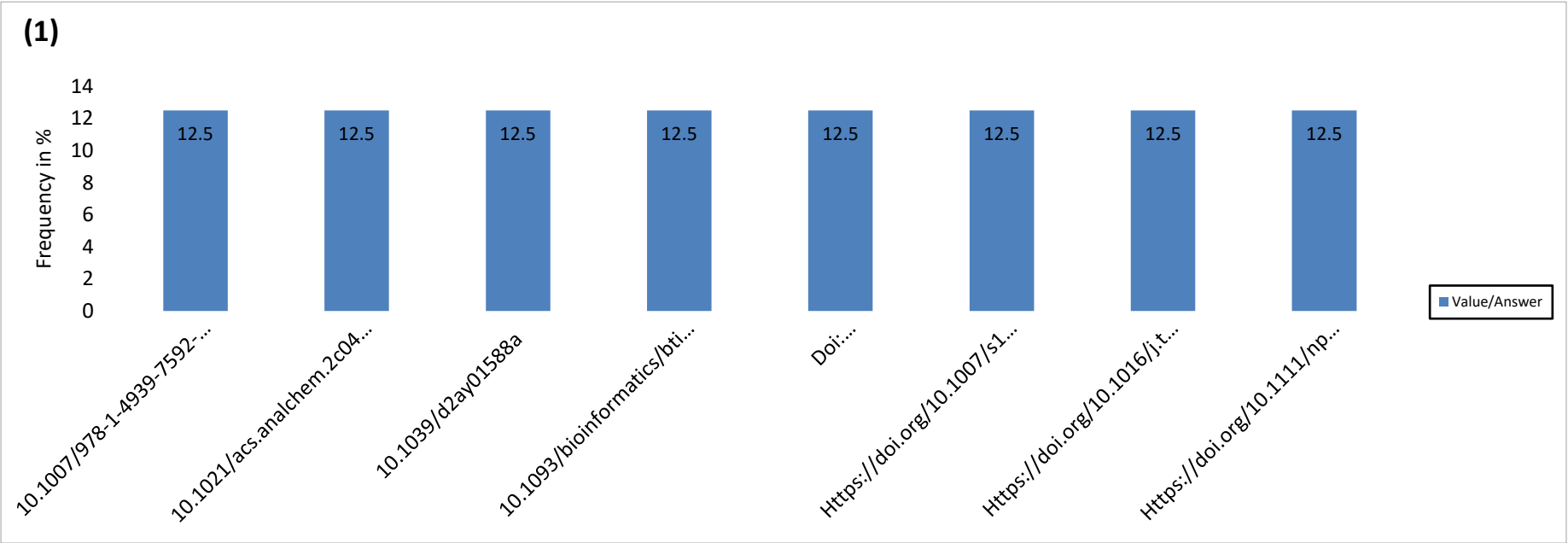
Number Answers	8	Number unique	8
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Value/Answer	Number	Frequency
10.1007/978-1-4939-7592-1_12	1	12.50%
10.1021/acs.analchem.2c04396	1	12.50%
10.1039/d2ay01588a	1	12.50%
10.1093/bioinformatics/bti236	1	12.50%
Doi: 10.1093/bioinformatics/btz005	1	12.50%
Https://doi.org/10.1007/s10565-023-09809-6	1	12.50%
Https://doi.org/10.1016/j.talanta.2022.123298	1	12.50%
Https://doi.org/10.1111/nph.17608	1	12.50%
Total	8	100%

Question 15 - In-house Methods

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)



Question 15 - In-house Methods

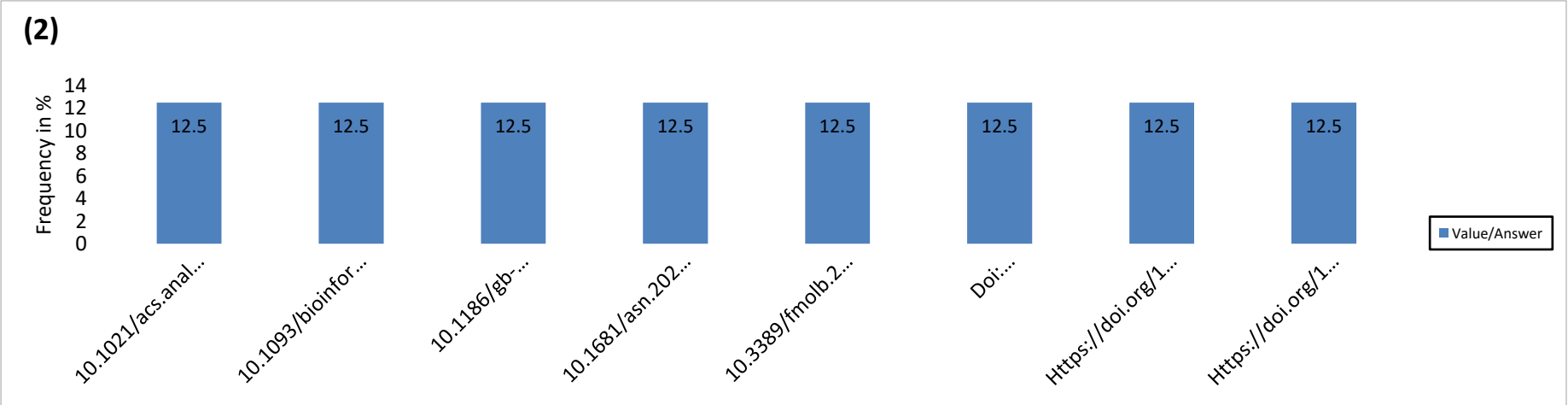
Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for (2)

Number Answers	8	Number unique	8
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Value/Answer	Number	Frequency
10.1021/acs.analchem.1c05224	1	12.50%
10.1093/bioinformatics/btn023	1	12.50%
10.1186/gb-2011-12-1-r8	1	12.50%
10.1681/asn.2022030378	1	12.50%
10.3389/fmolb.2022.968643	1	12.50%
Doi: 10.1021/acs.analchem.8b03586	1	12.50%
Https://doi.org/10.1016/j.toxlet.2014.07.021	1	12.50%
Https://doi.org/10.1093/treephys/tpad087	1	12.50%
Total	8	100%



Question 15 - In-house Methods

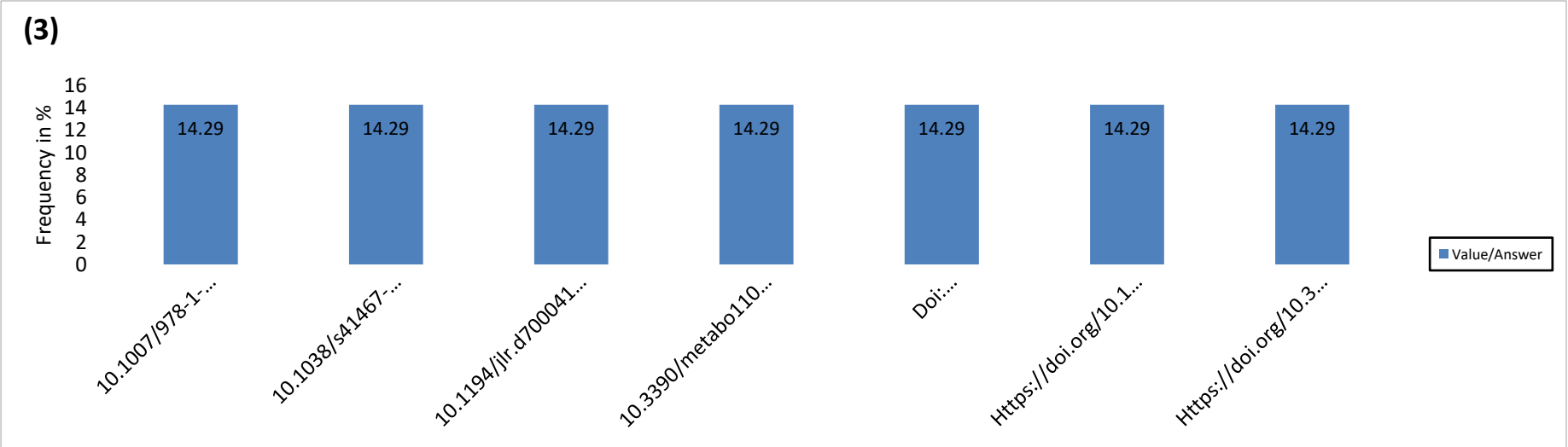
Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for (3)

Number Answers	7	Number unique	7
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Value/Answer	Number	Frequency
10.1007/978-1-0716-0660-5_15	1	14.29%
10.1038/s41467-020-15633-x	1	14.29%
10.1194/jlr.d700041-jlr200	1	14.29%
10.3390/metabo11010012	1	14.29%
Doi: 10.1104/pp.114.236018	1	14.29%
Https://doi.org/10.1101/2023.03.26.532286	1	14.29%
Https://doi.org/10.3390/metabo11120888	1	14.29%
Total	7	100%



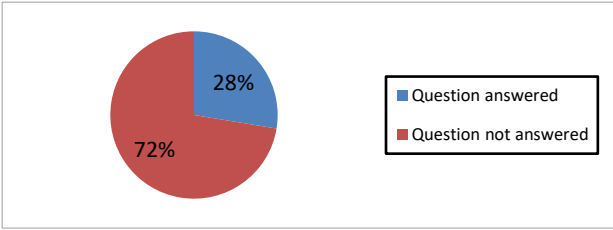
Question 16 - Commercial Kits (covering the complete workflow)

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	23	79.31%
Question answered	8	27.59%
Question not answered	21	72.41%



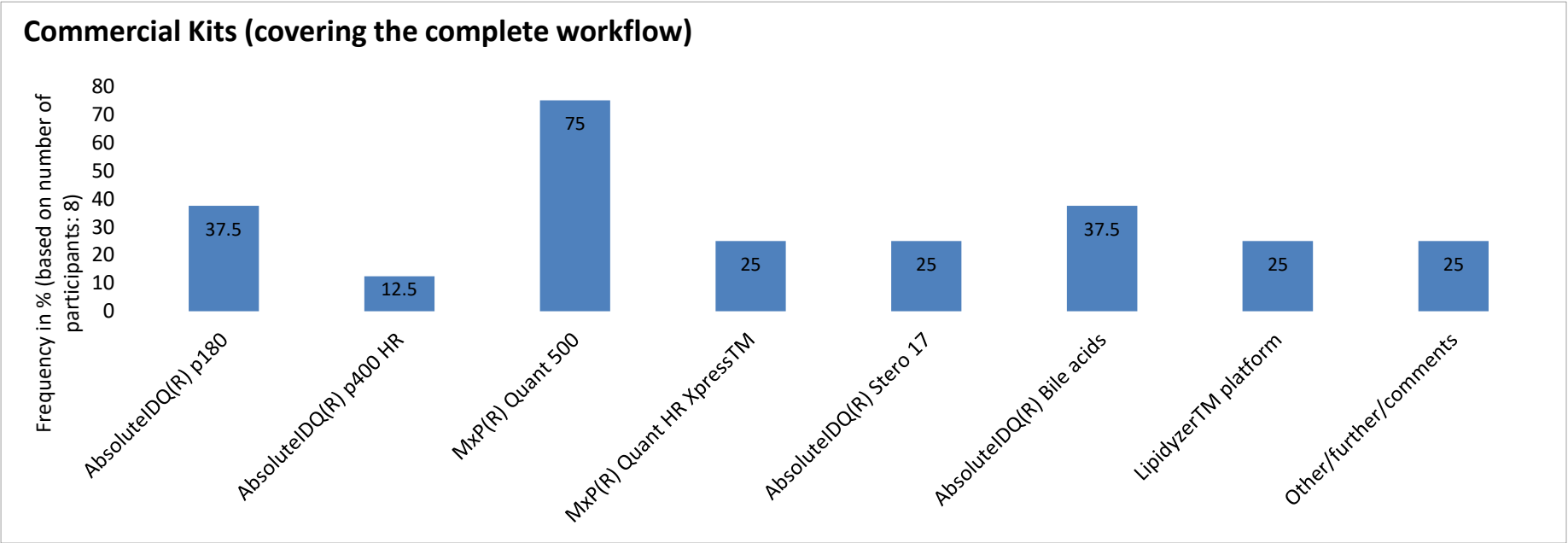
Results

Options	Variable	Code	Number	Frequency by participant	Frequency by answers
AbsoluteIDQ(R) p180	V24	1	3	37.50%	14.29%
AbsoluteIDQ(R) p400 HR	V25	1	1	12.50%	4.76%
MxP(R) Quant 500	V26	1	6	75%	28.57%
MxP(R) Quant HR XpressTM	V27	1	2	25%	9.52%
AbsoluteIDQ(R) Stero 17	V28	1	2	25%	9.52%
AbsoluteIDQ(R) Bile acids	V100	1	3	37.50%	14.29%
LipidyzerTM platform	V101	1	2	25%	9.52%
Other/further/comments	V126	1	2	25%	9.52%
Total			21 Answers	8 Participants	

Question 16 - Commercial Kits (covering the complete workflow)

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)



Question 16 - Commercial Kits (covering the complete workflow)

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

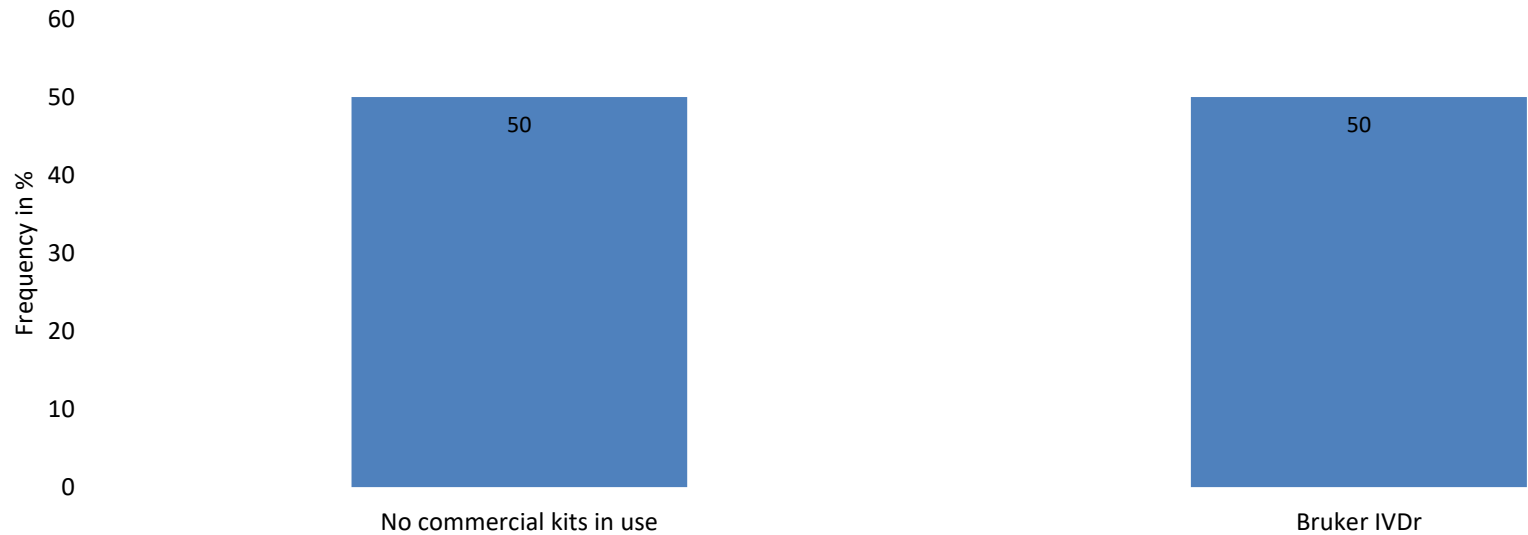
Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Other/further/comments

Number Answers	2	Number unique	2
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Value/Answer	Number	Frequency
No commercial kits in use	1	50%
Bruker IVDr	1	50%
Total	2	100%

Entry field of Other/further/comments



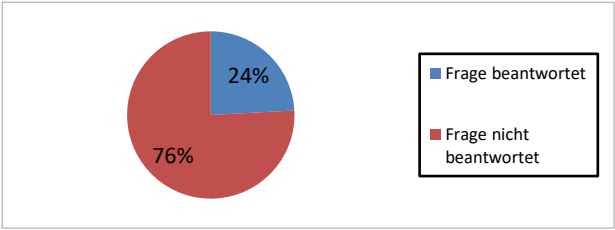
Question 17 - Do you use a modified kit protocol?

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	8	27.59%
Question answered	7	24.14%
Question not answered	22	75.86%



Results

Options	Variable	Code	Number	Frequency by participant	Frequency by answers
Yes	V89	1	3	42.86%	42.86%
No	V90	1	4	57.14%	57.14%
Total			7 Answers	7 Participants	

Do you use a modified kit protocol?



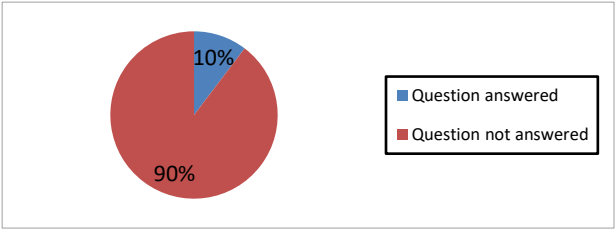
Question 18 - Please let us know, what part of the protocol you modified

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	3	10.34%
Question answered	3	10.34%
Question not answered	26	89.66%



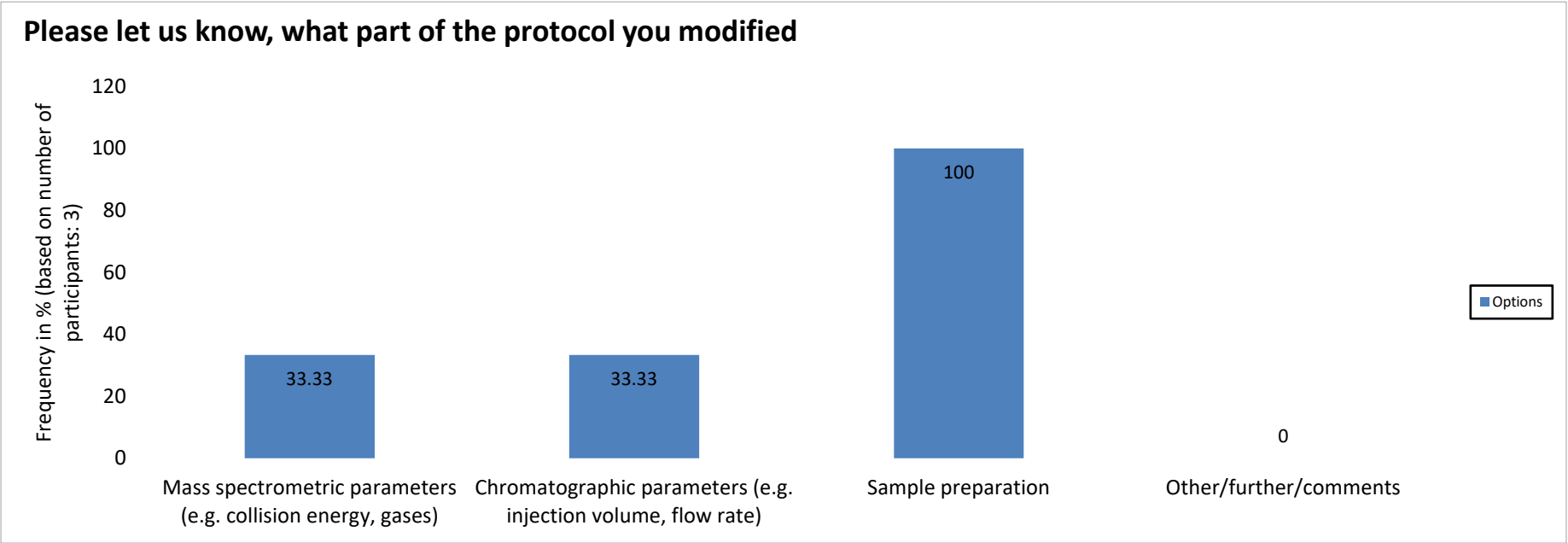
Results

Options	Variable	Code	Number	Frequency by participant	Frequency by answers
Mass spectrometric parameters (e.g. collision energy, gases)	V127	1	1	33.33%	20%
Chromatographic parameters (e.g. injection volume, flow rate)	V128	1	1	33.33%	20%
Sample preparation	V129	1	3	100%	60%
Other/further/comments	V130	1	0	0%	0%
Total			5 Answers	3 Participants	

Question 18 - Please let us know, what part of the protocol you modified

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)



Question 18 - Please let us know, what part of the protocol you modified

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Other/further/comments

Number Answers	0	Number unique	0
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Value/Answer	Number	Frequency
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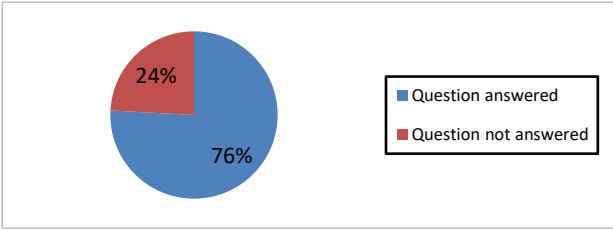
Question 19 - Use of chemical standards

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	23	79.31%
Question answered	22	75.86%
Question not answered	7	24.14%



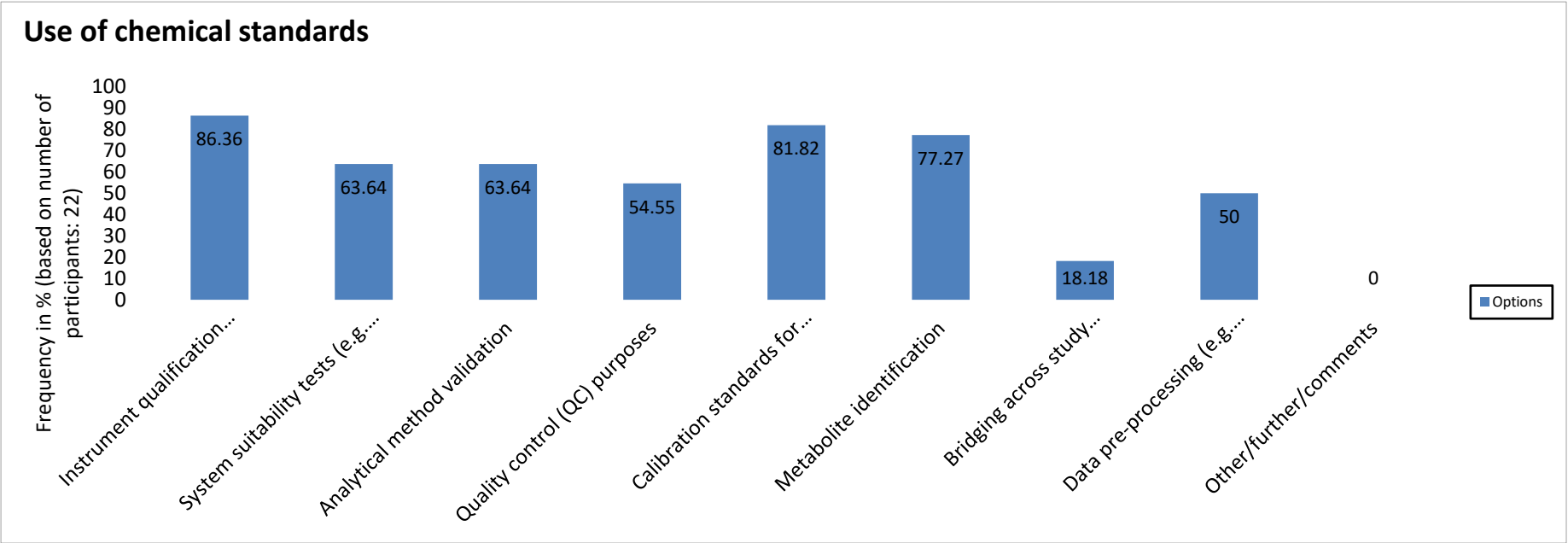
Results

Options	Variable	Code	Number	Frequency by participant	Frequency by answers
Instrument qualification (e.g. mass calibration with tune mix)	V33	1	19	86.36%	17.43%
System suitability tests (e.g. test mix of standards)	V34	1	14	63.64%	12.84%
Analytical method validation	V35	1	14	63.64%	12.84%
Quality control (QC) purposes	V45	1	12	54.55%	11.01%
Calibration standards for quantification	V46	1	18	81.82%	16.51%
Metabolite identification	V47	1	17	77.27%	15.60%
Bridging across study sample data	V48	1	4	18.18%	3.67%
Data pre-processing (e.g. normalization)	V64	1	11	50%	10.09%
Other/further/comments	V65	1	0	0%	0%
Total			109 Answers	22 Participants	

Question 19 - Use of chemical standards

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)



Question 19 - Use of chemical standards

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Other/further/comments

Number Answers	0	Number unique	0
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Value/Answer	Number	Frequency
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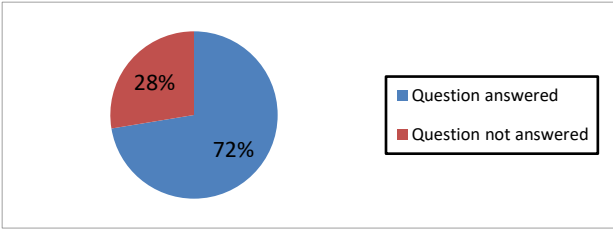
Question 20 - Chemical standard mixtures used in your lab

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	23	79.31%
Question answered	21	72.41%
Question not answered	8	27.59%



Results

Options	Variable	Code	Number	Frequency by participant	Frequency by answers
Commercially available compound mixtures or libraries	V102	1	19	90.48%	52.78%
In-house prepared compound mixtures	V103	1	17	80.95%	47.22%
Total			36 Answers	21 Participants	

Chemical standard mixtures used in your lab



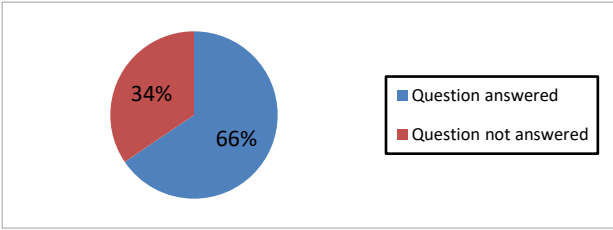
Question 21 - Commercially available standard mixtures

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	23	79.31%
Question answered	19	65.52%
Question not answered	10	34.48%



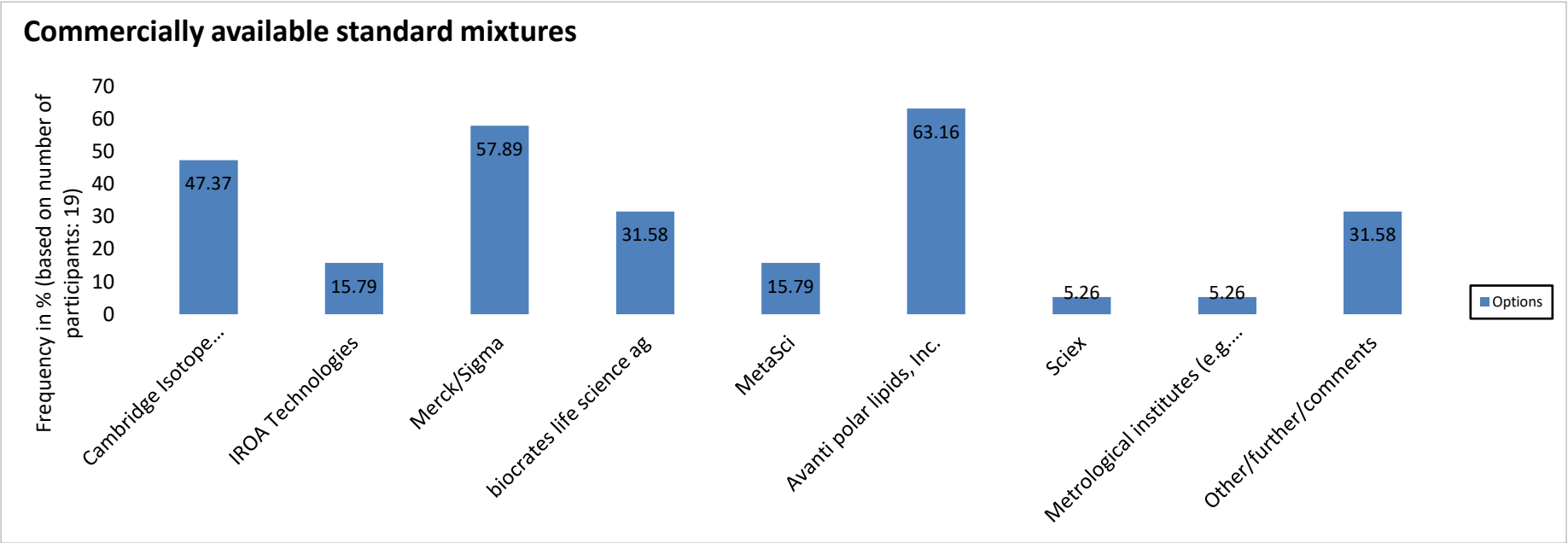
Results

Options	Variable	Code	Number	Frequency by participant	Frequency by answers
Cambridge Isotope Laboratories, Inc.	V104	1	9	47.37%	17.31%
IROA Technologies	V105	1	3	15.79%	5.77%
Merck/Sigma	V106	1	11	57.89%	21.15%
biocrates life science ag	V107	1	6	31.58%	11.54%
MetaSci	V108	1	3	15.79%	5.77%
Avanti polar lipids, Inc.	V118	1	12	63.16%	23.08%
Sciex	V119	1	1	5.26%	1.92%
Metrological institutes (e.g. JRC, NIST)	V120	1	1	5.26%	1.92%
Other/further/comments	V132	1	6	31.58%	11.54%
Total			52 Answers	19 Participants	

Question 21 - Commercially available standard mixtures

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)



Question 21 - Commercially available standard mixtures

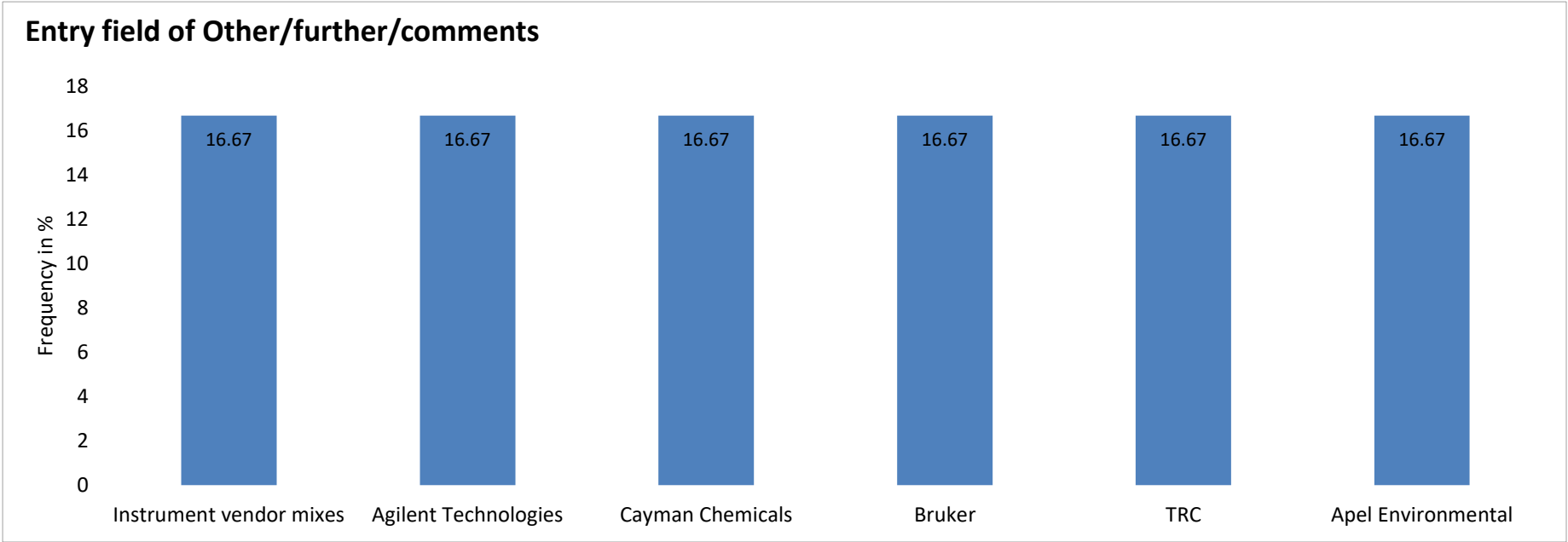
Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Other/further/comments

Number Answers	6Number unique	6
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Value/Answer	Number	Frequency
Instrument vendor mixes	1	16.67%
Agilent Technologies	1	16.67%
Cayman Chemicals	1	16.67%
Bruker	1	16.67%
TRC	1	16.67%
Apel Environmental	1	16.67%
Total	6	100%



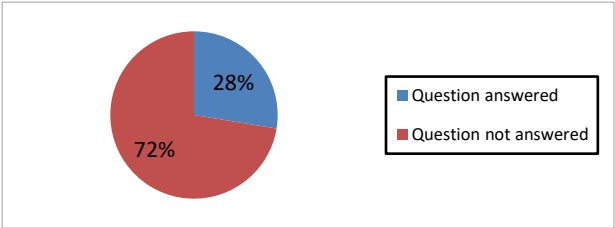
Question 22 - Commercially available compound mixtures

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	19	65.52%
Question answered	8	27.59%
Question not answered	21	72.41%



Detailed results for entry field of Commercially available compound mixtures - Row 1 / Column 1

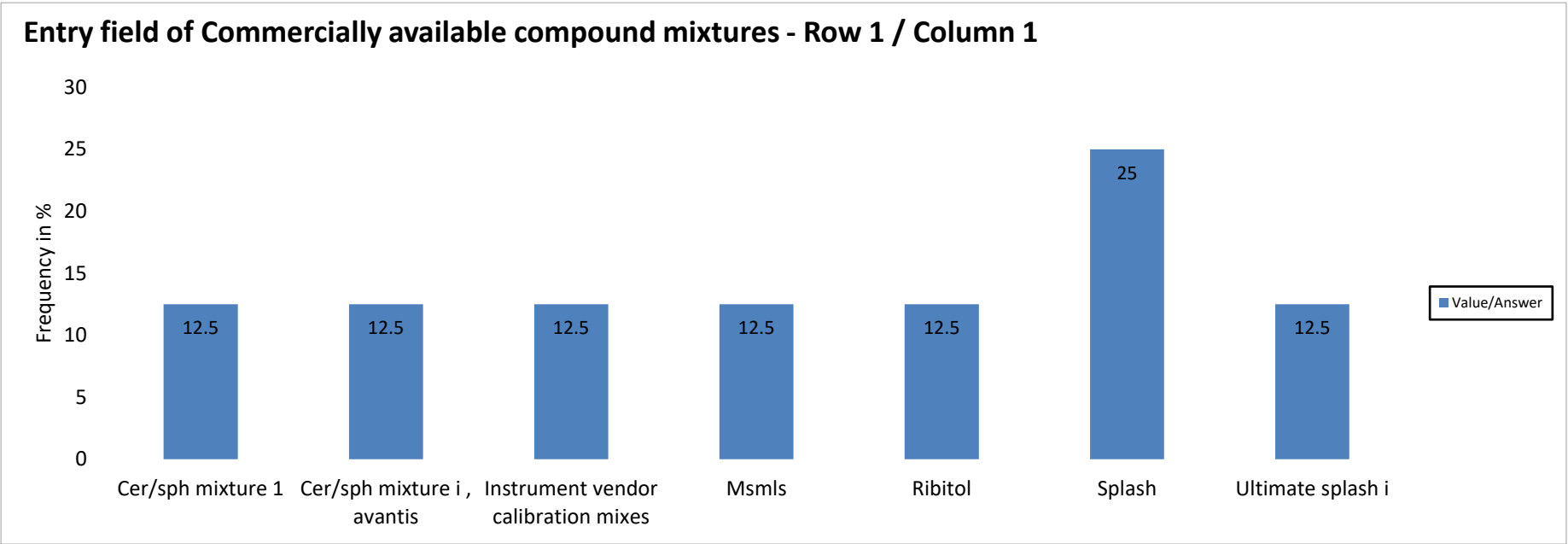
Variable	V133.C1		
Number Answers	8	Number unique	7

Value/Answer	Number	Frequency
Cer/sph mixture 1	1	12.50%
Cer/sph mixture i , avantis	1	12.50%
Instrument vendor calibration mixes	1	12.50%
Msmls	1	12.50%
Ribitol	1	12.50%
Splash	2	25%
Ultimate splash i	1	12.50%
Total	8	100%

Question 22 - Commercially available compound mixtures

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)



Question 22 - Commercially available compound mixtures

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

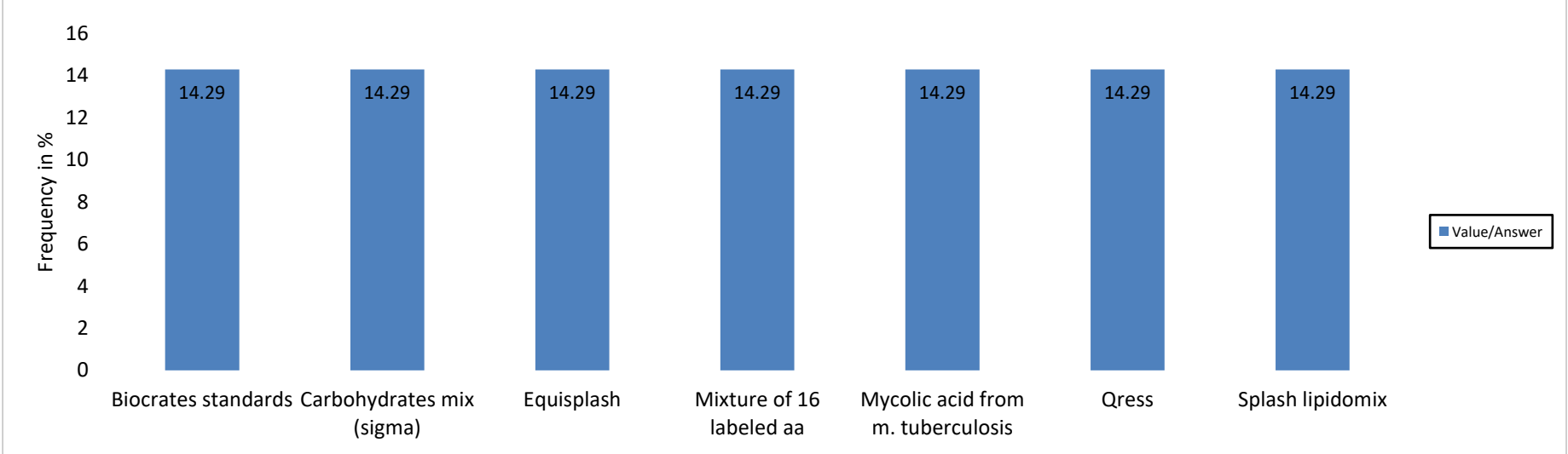
Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Commercially available compound mixtures - Row 2 / Column 1

Variable	V134.C1	
Number Answers	7	Number unique7

Value/Answer	Number	Frequency
Biocrates standards	1	14.29%
Carbohydrates mix (sigma)	1	14.29%
Equisplash	1	14.29%
Mixture of 16 labeled aa	1	14.29%
Mycolic acid from m. tuberculosis	1	14.29%
Qress	1	14.29%
Splash lipidomix	1	14.29%
Total	7	100%

Entry field of Commercially available compound mixtures - Row 2 / Column 1



Question 22 - Commercially available compound mixtures

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

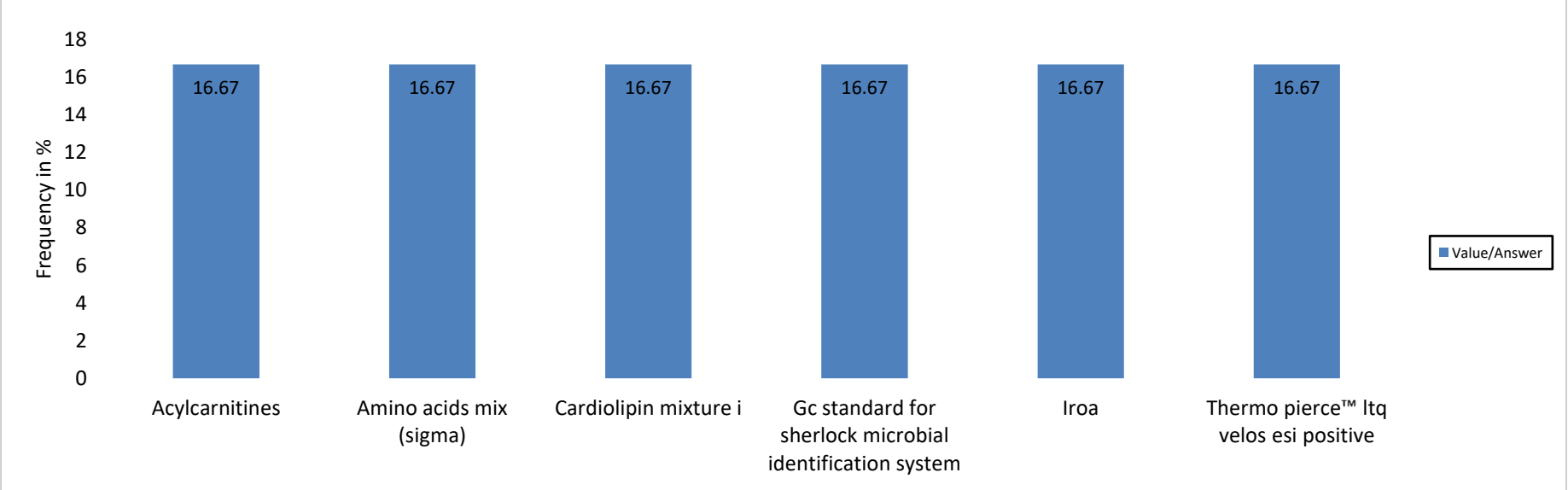
Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Commercially available compound mixtures - Row 3 / Column 1

Variable	V135.C1	
Number Answers	6Number unique	6

Value/Answer	Number	Frequency
Acylcarnitines	1	16.67%
Amino acids mix (sigma)	1	16.67%
Cardiolipin mixture i	1	16.67%
Gc standard for sherlock microbial identification system	1	16.67%
Iroa	1	16.67%
Thermo pierce™ Itq velos esi positive	1	16.67%
Total6		100%

Entry field of Commercially available compound mixtures - Row 3 / Column 1



Question 22 - Commercially available compound mixtures

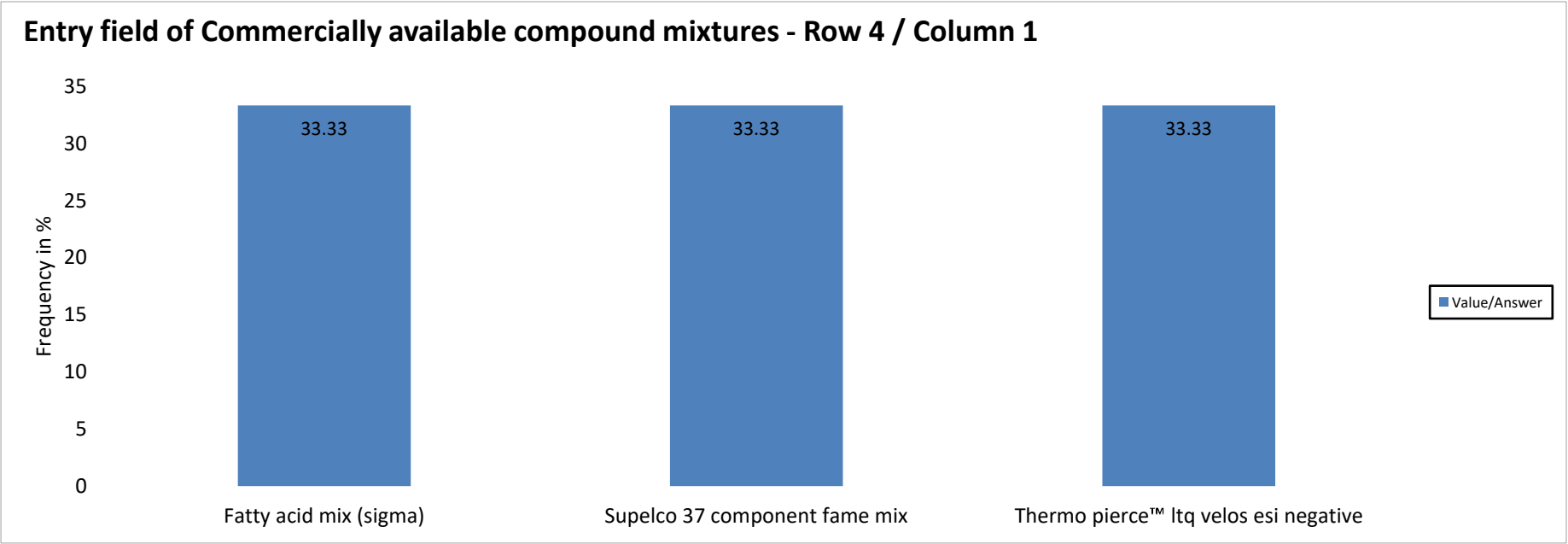
Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Commercially available compound mixtures - Row 4 / Column 1

Variable	V136.C1		
Number Answers	3	Number unique	3

Value/Answer	Number	Frequency
Fatty acid mix (sigma)	1	33.33%
Supelco 37 component fame mix	1	33.33%
Thermo pierce™ ltq velos esi negative	1	33.33%
Total	3	100%



Question 22 - Commercially available compound mixtures

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Commercially available compound mixtures - Row 5 / Column 1

Variable	V137.C1		
Number Answers	2	Number unique	2

Value/Answer	Number	Frequency
Api-tof reference mass solution kit	1	50%
Pharma mix (neochema)	1	50%
Total	2	100%

Entry field of Commercially available compound mixtures - Row 5 / Column 1



Question 22 - Commercially available compound mixtures

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

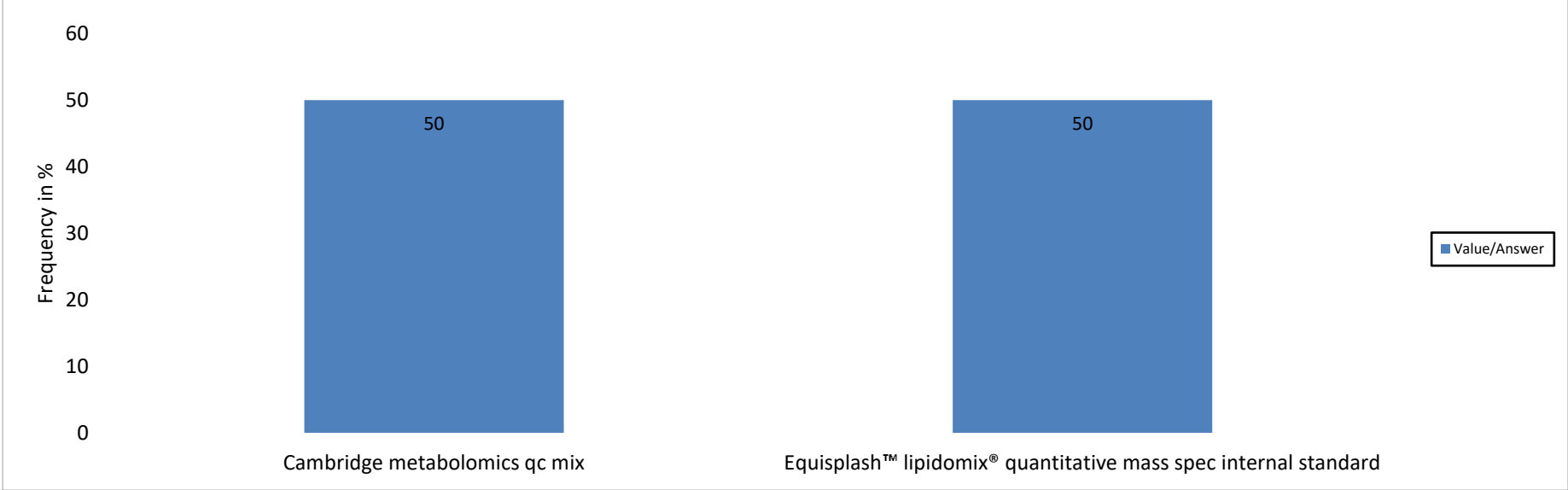
Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Commercially available compound mixtures - Row 6 / Column 1

Variable	V144.C1	
Number Answers	2	Number unique2

Value/Answer	Number	Frequency
Cambridge metabolomics qc mix	1	50%
Equisplash™ lipidomix® quantitative mass spec internal standard	1	50%
Total	2	100%

Entry field of Commercially available compound mixtures - Row 6 / Column 1



Question 22 - Commercially available compound mixtures

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

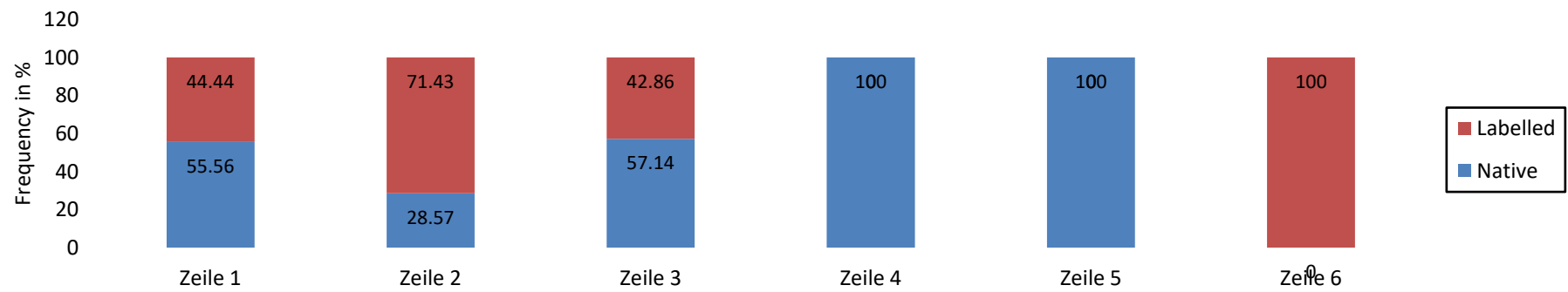
Number of participants evaluated: 29 (all participants)

Results Isotope labelling (13C, 15N, ...) (Columns 2-3)

Frequency in %		Native	Labelled	Total
	Variable	C2	C5	
Row 1	V133	55.56%	44.44%	9
Row 2	V134	28.57%	71.43%	7
Row 3	V135	57.14%	42.86%	7
Row 4	V136	100%	0%	3
Row 5	V137	100%	0%	2
Row 6	V144	0%	100%	2

Number of answers		Native	Labelled	Total
	Variable	C2	C5	
Row 1	V133	5	4	9
Row 2	V134	2	5	7
Row 3	V135	4	3	7
Row 4	V136	3	0	3
Row 5	V137	2	0	2
Row 6	V144	0	2	2

Commercially available compound mixtures



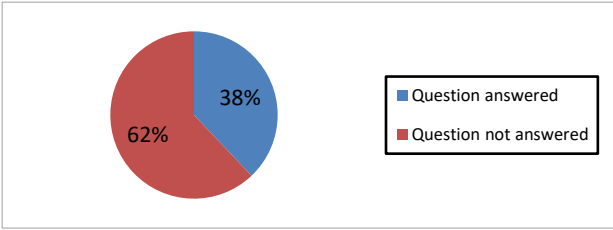
Question 23 - In-house prepared compound mixtures

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	17	58.62%
Question answered	11	37.93%
Question not answered	18	62.07%



Detailed results for entry field of In-house prepared compound mixtures - Row 1 / Column 1

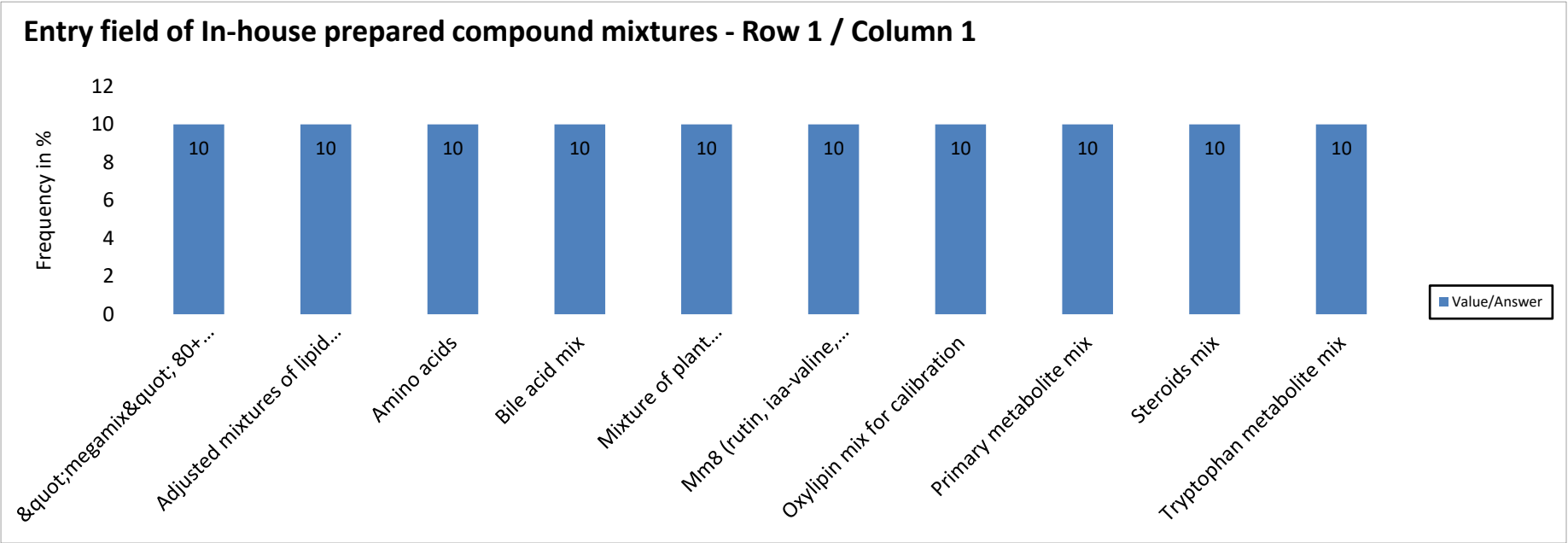
Variable	V109.C3	
Number Answers	10	Number unique 10

Value/Answer	Number	Frequency
"megamix" 80+ compounds for system suitability	1	10%
Adjusted mixtures of lipid standards	1	10%
Amino acids	1	10%
Bile acid mix	1	10%
Mixture of plant metabolites mm14	1	10%
Mm8 (rutin, iaa-valine, cinnamic acid,...)	1	10%
Oxylipin mix for calibration	1	10%
Primary metabolite mix	1	10%
Steroids mix	1	10%
Tryptophan metabolite mix	1	10%
Total	10	100%

Question 23 - In-house prepared compound mixtures

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)



Question 23 - In-house prepared compound mixtures

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

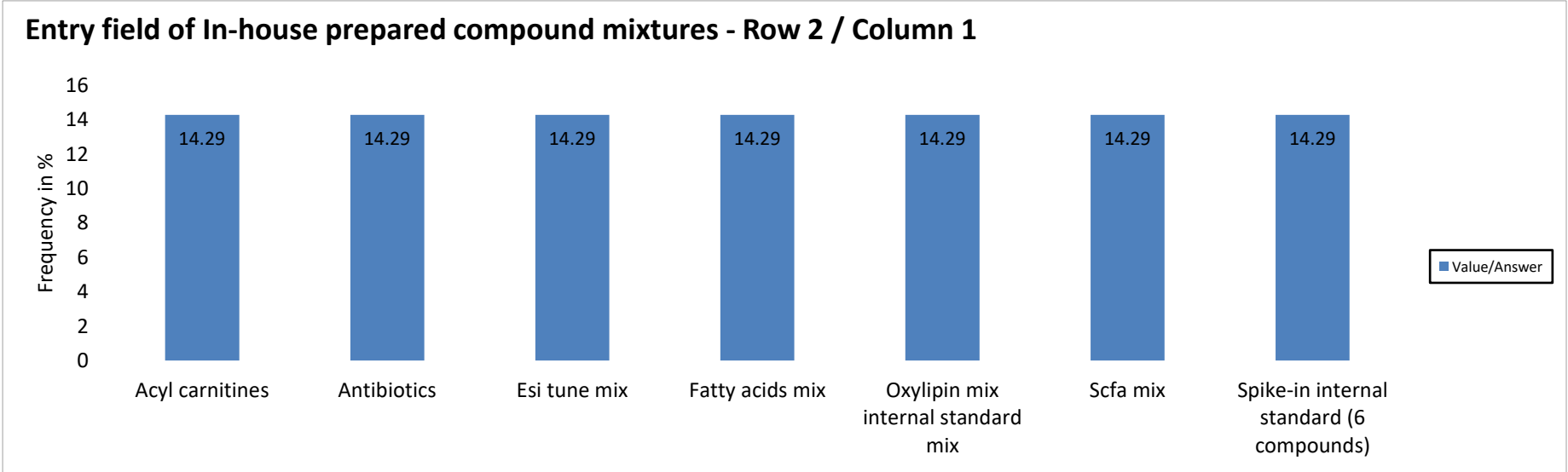
Number of participants evaluated: 29 (all participants)

Detailed results for entry field of In-house prepared compound mixtures - Row 2 / Column 1

Variable	V110.C3	
Number Answers	7	Number unique7

Value/Answer	Number	Frequency
Acyl carnitines	1	14.29%
Antibiotics	1	14.29%
Esi tune mix	1	14.29%
Fatty acids mix	1	14.29%
Oxylipin mix internal standard mix	1	14.29%
Scfa mix	1	14.29%
Spike-in internal standard (6 compounds)	1	14.29%
Total	7	100%

Entry field of In-house prepared compound mixtures - Row 2 / Column 1



Question 23 - In-house prepared compound mixtures

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

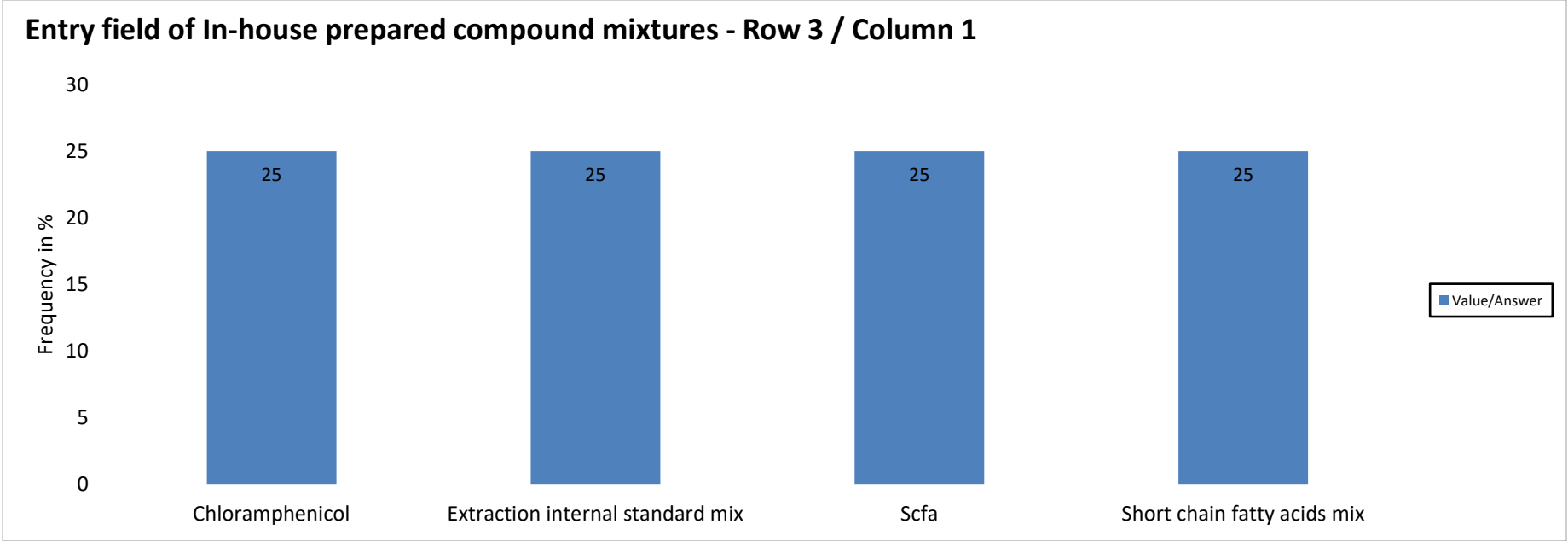
Number of participants evaluated: 29 (all participants)

Detailed results for entry field of In-house prepared compound mixtures - Row 3 / Column 1

Variable	V111.C3		
Number Answers	4	Number unique	4

Value/Answer	Number	Frequency
Chloramphenicol	1	25%
Extraction internal standard mix	1	25%
Scfa	1	25%
Short chain fatty acids mix	1	25%
Total	4	100%

Entry field of In-house prepared compound mixtures - Row 3 / Column 1



Question 23 - In-house prepared compound mixtures

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

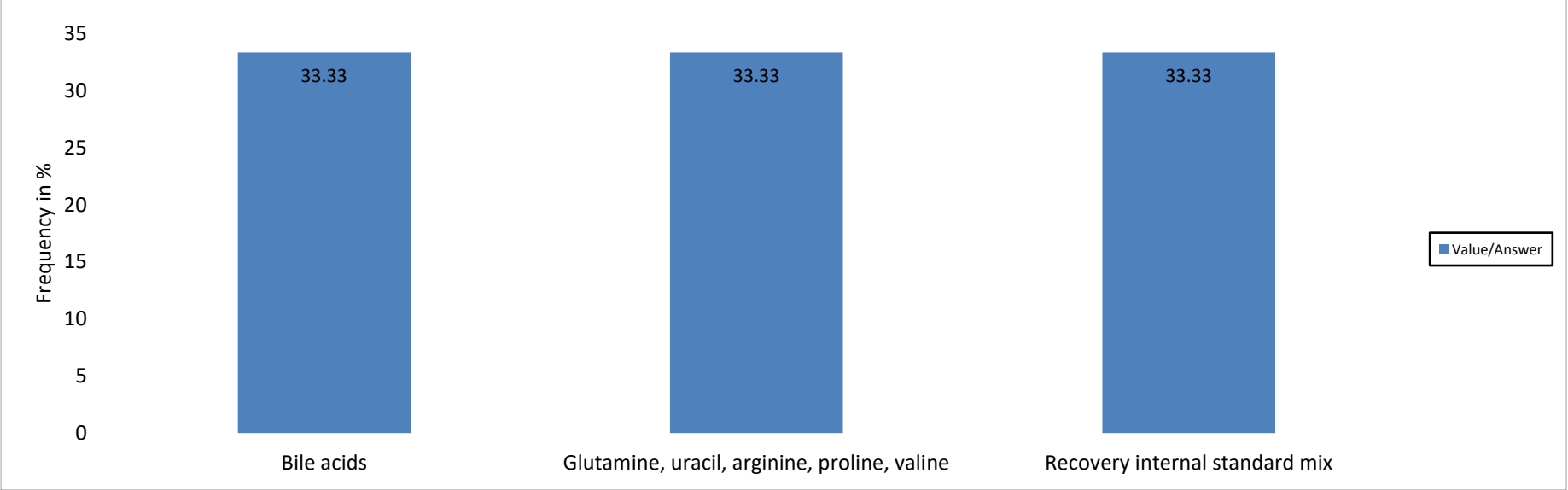
Number of participants evaluated: 29 (all participants)

Detailed results for entry field of In-house prepared compound mixtures - Row 4 / Column 1

Variable	V138.C3		
Number Answers	3	Number unique	3

Value/Answer	Number	Frequency
Bile acids	1	33.33%
Glutamine, uracil, arginine, proline, valine	1	33.33%
Recovery internal standard mix	1	33.33%
Total	3	100%

Entry field of In-house prepared compound mixtures - Row 4 / Column 1



Question 23 - In-house prepared compound mixtures

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

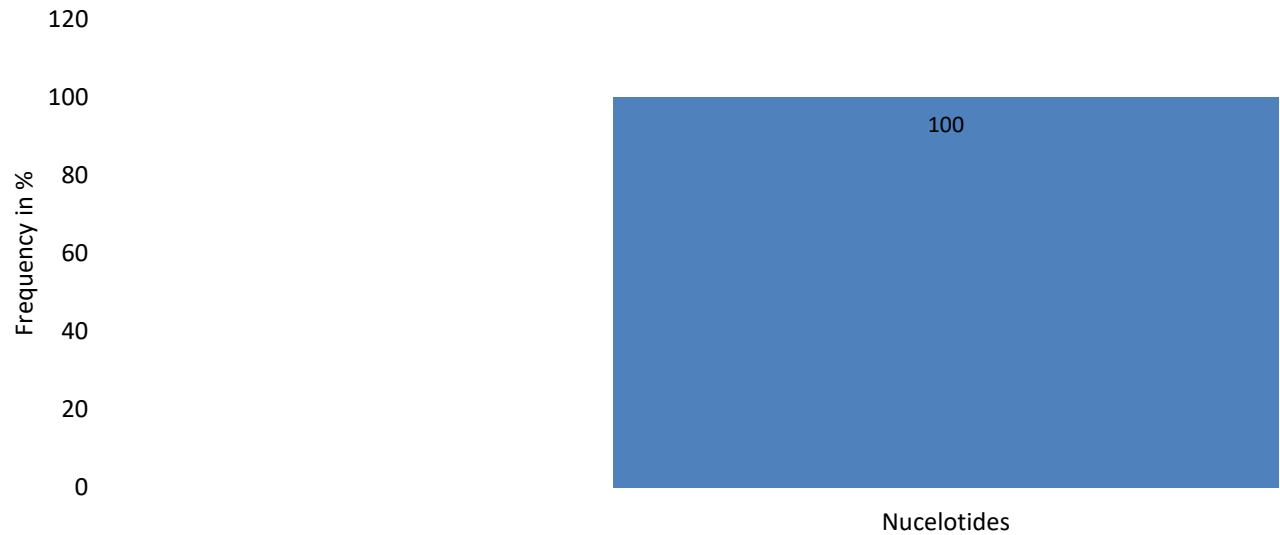
Number of participants evaluated: 29 (all participants)

Detailed results for entry field of In-house prepared compound mixtures - Row 5 / Column 1

Variable	V139.C3	
Number Answers	1Number unique	1

Value/Answer	Number	Frequency
Nucelotides	1	100%
Total	1	100%

Entry field of In-house prepared compound mixtures - Row 5 / Column 1



Question 23 - In-house prepared compound mixtures

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

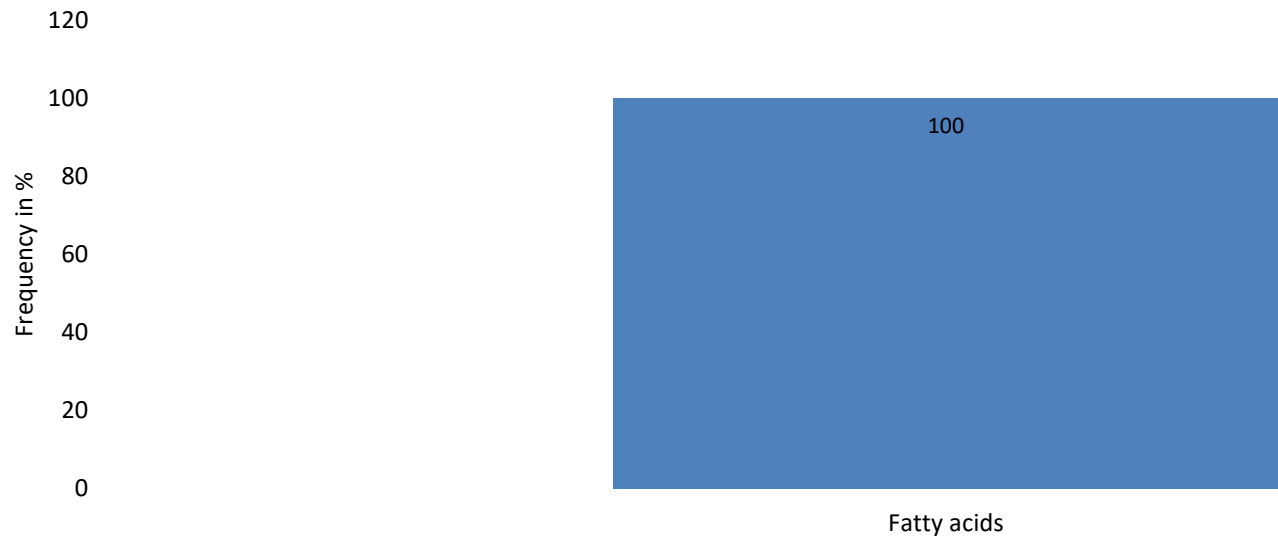
Number of participants evaluated: 29 (all participants)

Detailed results for entry field of In-house prepared compound mixtures - Row 6 / Column 1

Variable	V143.C3	
Number Answers	1Number unique	1

Value/Answer	Number	Frequency
Fatty acids	1	100%
Total	1	100%

Entry field of In-house prepared compound mixtures - Row 6 / Column 1



Question 23 - In-house prepared compound mixtures

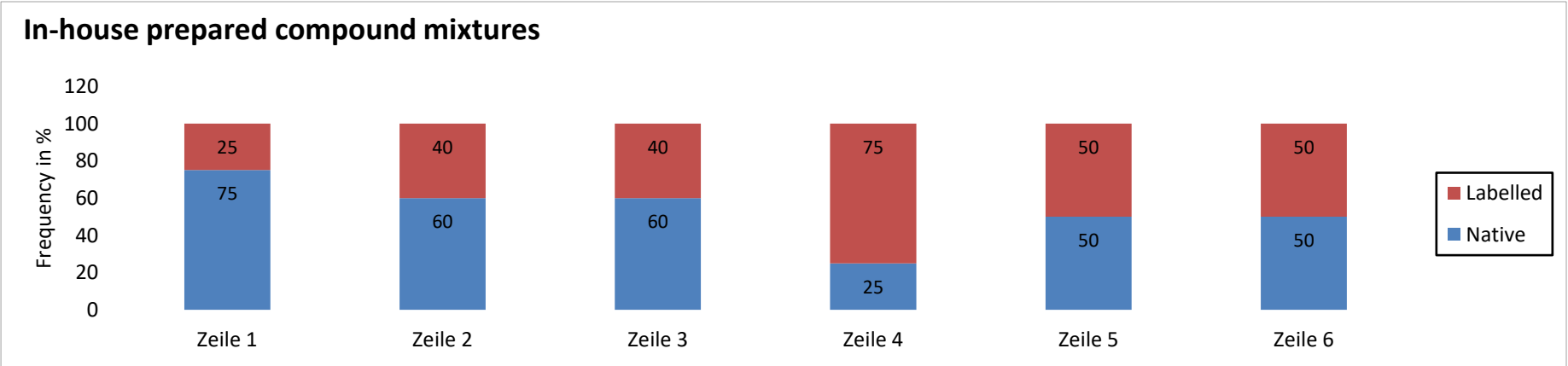
Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Results Isotope labelling (13C, 15N, ...) (Columns 2-3)

Frequency in %		Native	Labelled	Total
	Variable	C4	C6	
Row 1	V109	75%	25%	12
Row 2	V110	60%	40%	10
Row 3	V111	60%	40%	5
Row 4	V138	25%	75%	4
Row 5	V139	50%	50%	2
Row 6	V143	50%	50%	2

Number of answers		Native	Labelled	Total
	Variable	C4	C6	
Row 1	V109	9	3	12
Row 2	V110	6	4	10
Row 3	V111	3	2	5
Row 4	V138	1	3	4
Row 5	V139	1	1	2
Row 6	V143	1	1	2



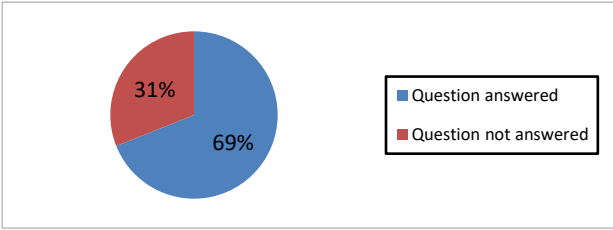
Question 24 - Do you use custom synthesis of standard compounds?

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	23	79.31%
Question answered	20	68.97%
Question not answered	9	31.03%



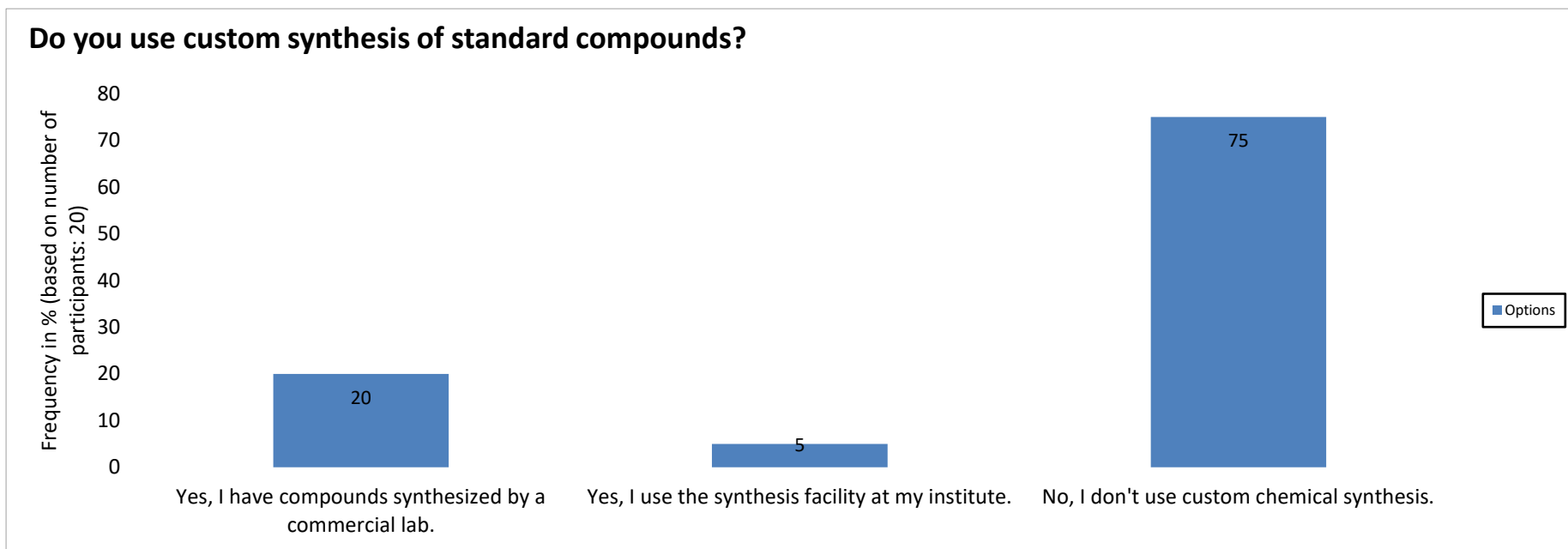
Results

Options	Variable	Code	Number	Frequency by participant	Frequency by answers
Yes, I have compounds synthesized by a commercial lab.	V149	1	4	20%	20%
Yes, I use the synthesis facility at my institute.	V150	1	1	5%	5%
No, I don't use custom chemical synthesis.	V151	1	15	75%	75%
Total			20 Answers	20 Participants	

Question 24 - Do you use custom synthesis of standard compounds?

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)



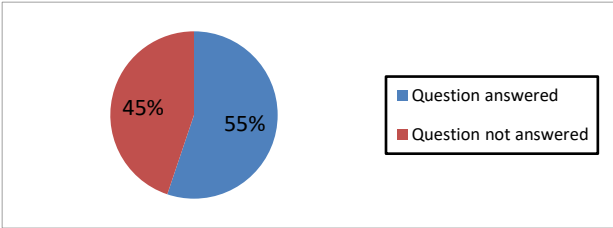
Question 25 - Use of matrix reference materials

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	22	75.86%
Question answered	16	55.17%
Question not answered	13	44.83%



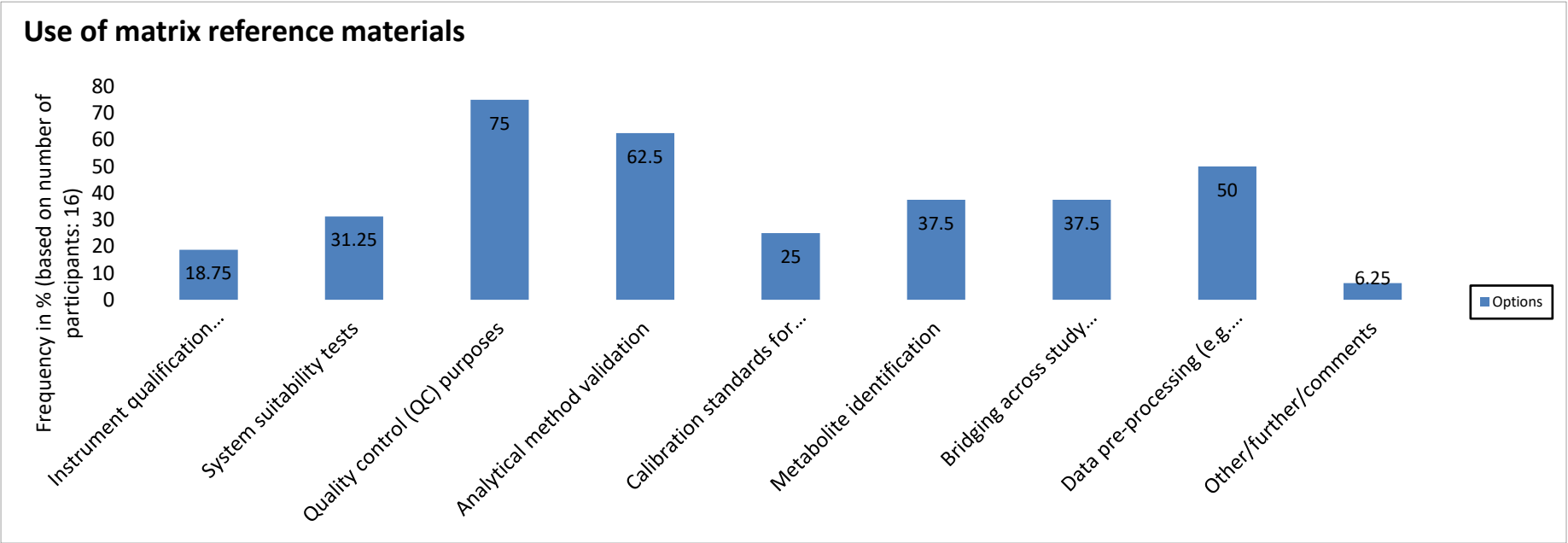
Results

Options	Variable	Code	Number	Frequency by participant	Frequency by answers
Instrument qualification (e.g. mass calibration)	V152	1	3	18.75%	5.45%
System suitability tests	V153	1	5	31.25%	9.09%
Quality control (QC) purposes	V154	1	12	75%	21.82%
Analytical method validation	V155	1	10	62.50%	18.18%
Calibration standards for quantification	V156	1	4	25%	7.27%
Metabolite identification	V157	1	6	37.50%	10.91%
Bridging across study sample data	V158	1	6	37.50%	10.91%
Data pre-processing (e.g. normalization)	V159	1	8	50%	14.55%
Other/further/comments	V160	1	1	6.25%	1.82%
Total			55 Answers	16 Participants	

Question 25 - Use of matrix reference materials

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)



Question 25 - Use of matrix reference materials

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Other/further/comments

Number Answers	1	Number unique	0
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Value/Answer	Number	Frequency
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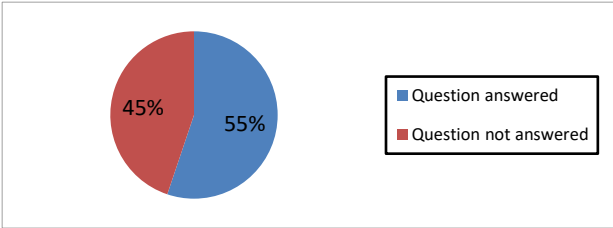
Question 26 - Reference materials used in your lab

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	22	75.86%
Question answered	16	55.17%
Question not answered	13	44.83%



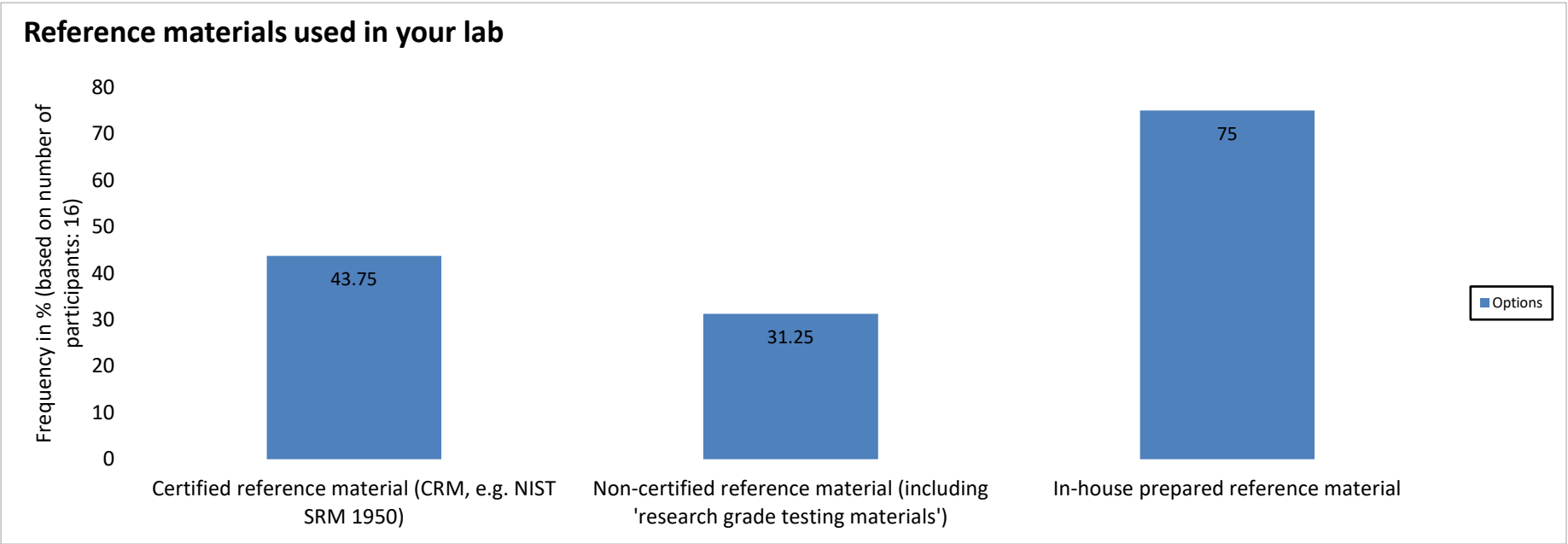
Results

Options	Variable	Code	Number	Frequency by participant	Frequency by answers
Certified reference material (CRM, e.g. NIST SRM 1950)	V29	1	7	43.75%	29.17%
Non-certified reference material (including 'research grade testing materials')	V36	1	5	31.25%	20.83%
In-house prepared reference material	V37	1	12	75%	50%
Total			24 Answers	16 Participants	

Question 26 - Reference materials used in your lab

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)



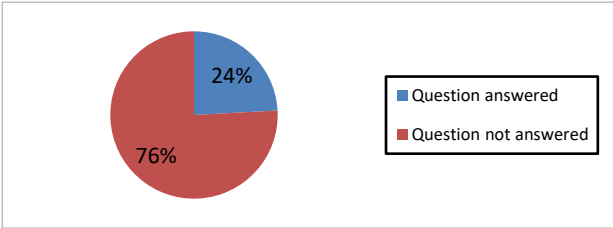
Question 27 - Certified reference materials used in your lab

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

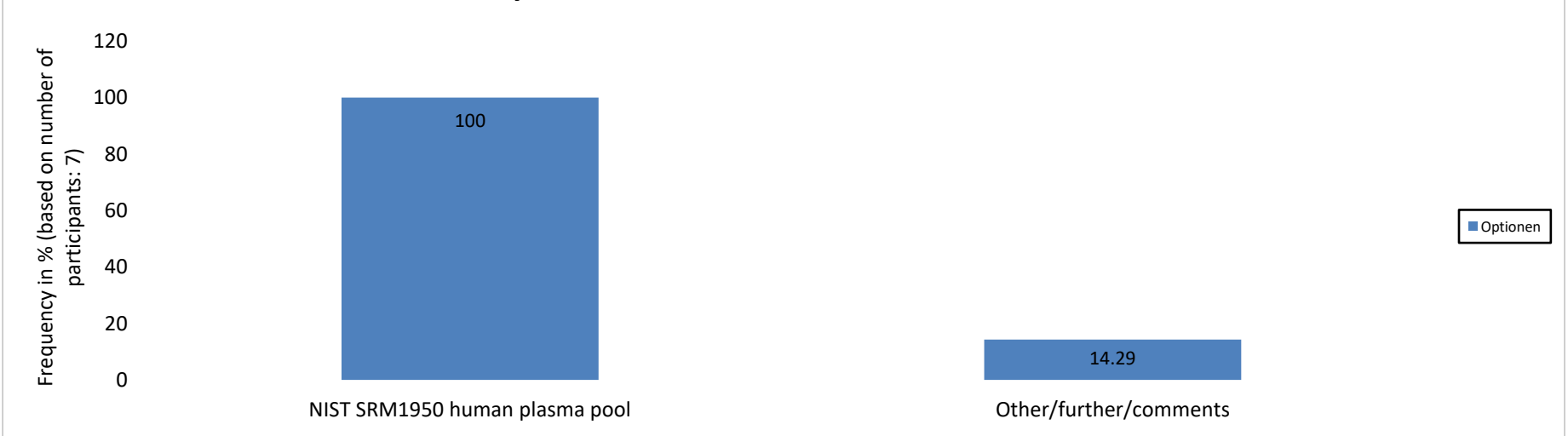
of 29 participants	Number	Percent
Question seen	7	24.14%
Question answered	7	24.14%
Question not answered	22	75.86%



Results

Options	Variable	Code	Number	Frequency by participant	Frequency by answers
NIST SRM1950 human plasma pool	V112	1	7	100%	87.50%
Other/further/comments	V113	1	1	14.29%	12.50%
Total			8 Answers	7 Participants	

Certified reference materials used in your lab



Question 27 - Certified reference materials used in your lab

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

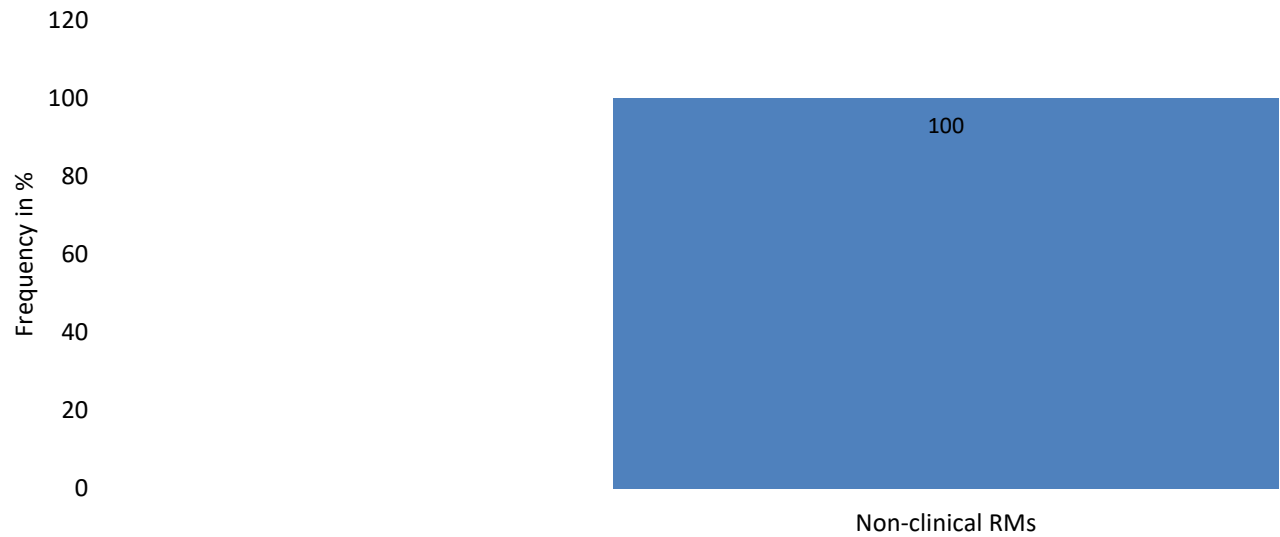
Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Other/further/comments

Number Answers	1	Number unique	1
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Value/Answer	Number	Frequency
Non-clinical RMs	1	100%
Total	1	100%

Entry field of Other/further/comments



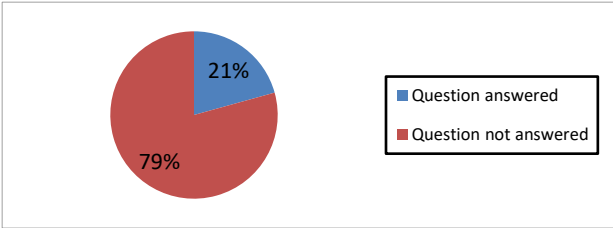
Question 28 - Certified reference materials used in your lab - applications

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	7	24.14%
Question answered	6	20.69%
Question not answered	23	79.31%



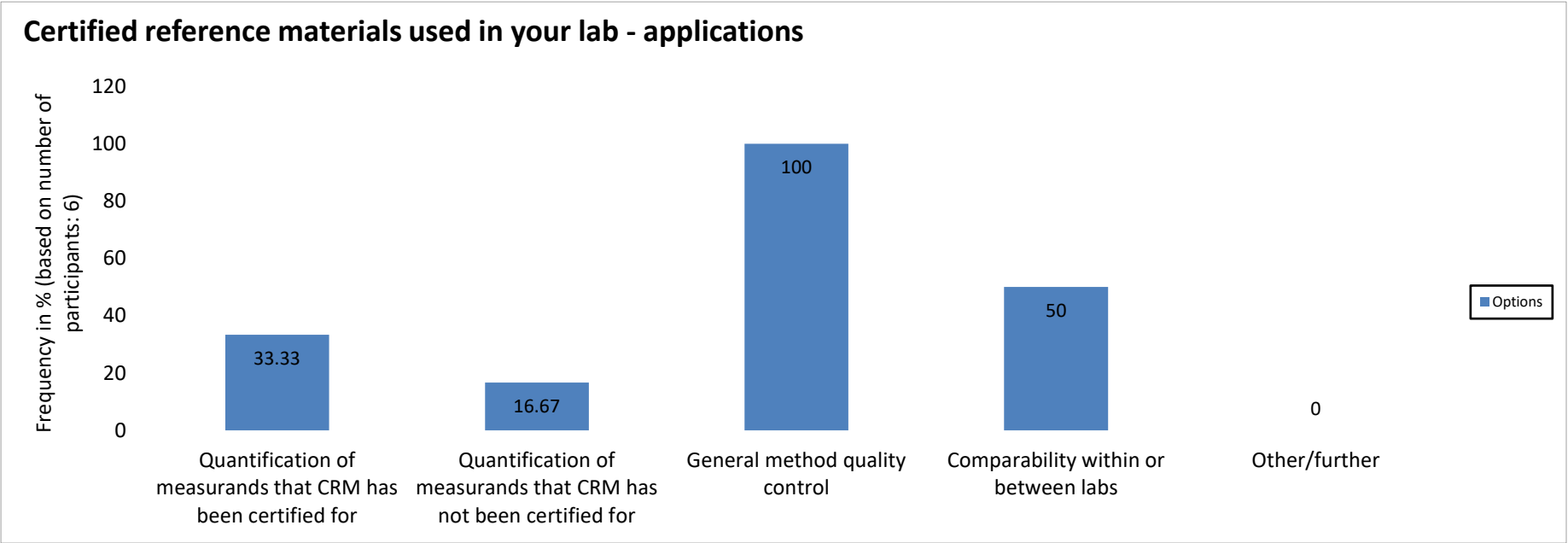
Results

Options	Variable	Code	Number	Frequency by participant	Frequency by answers
Quantification of measurands that CRM has been certified for	V164	1	2	33.33%	16.67%
Quantification of measurands that CRM has not been certified for	V167	1	1	16.67%	8.33%
General method quality control	V168	1	6	100%	50%
Comparability within or between labs	V170	1	3	50%	25%
Other/further	V199	1	0	0%	0%
Total			12 Answers	6 Participants	

Question 28 - Certified reference materials used in your lab - applications

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)



Question 28 - Certified reference materials used in your lab - applications

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Other/further

Number Answers	0	Number unique	0
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Value/Answer	Number	Frequency
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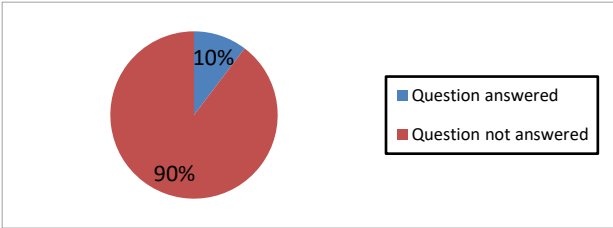
Question 29 - Non-certified reference materials (including 'research grade testing materials')

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	5	17.24%
Question answered	3	10.34%
Question not answered	26	89.66%

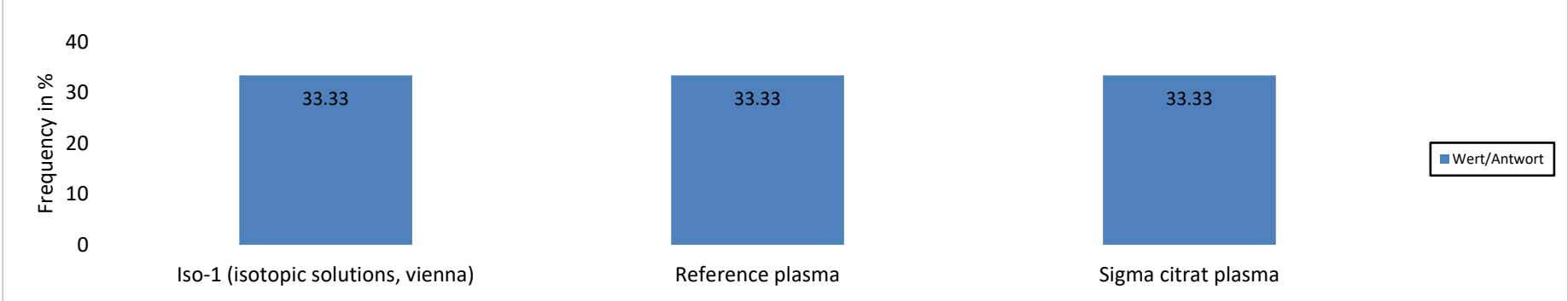


Detailed results for entry field of Non-certified reference materials (including 'research grade testing materials') - Row 1 / Name

Variable	V122.C7		
Number Answers	3	Number unique	3

Value/Answer	Number	Frequency
Iso-1 (isotopic solutions, vienna)	1	33.33%
Reference plasma	1	33.33%
Sigma citrat plasma	1	33.33%
Total	3	100%

Entry field of Non-certified reference materials (including 'research grade testing materials') - Row 1 / Name



Question 29 - Non-certified reference materials (including 'research grade testing materials')

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

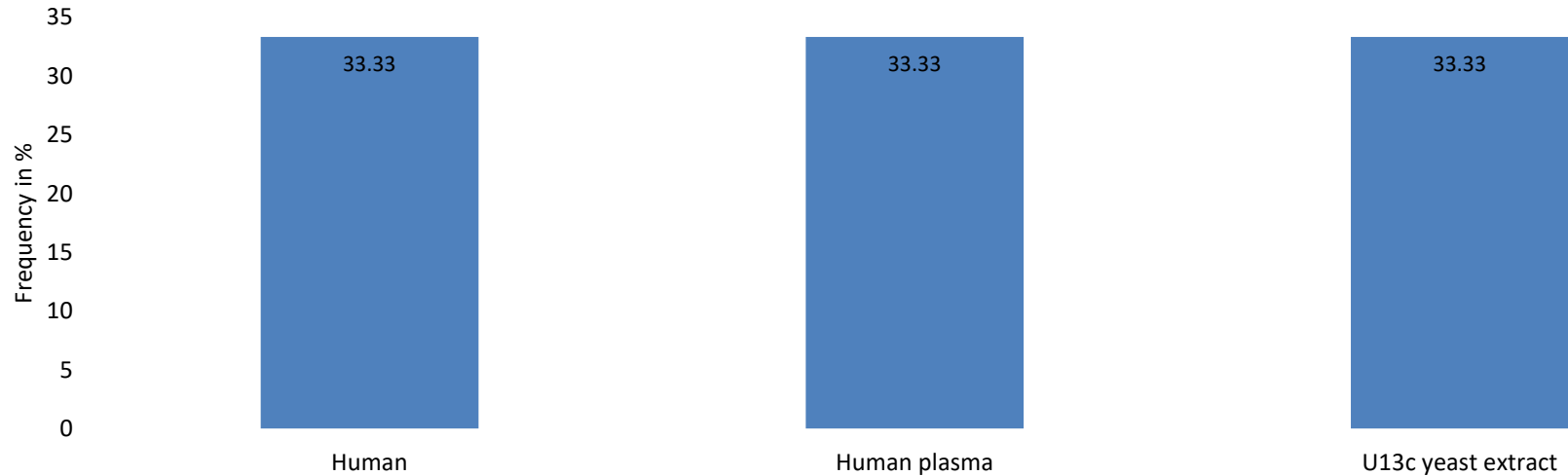
Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Non-certified reference materials (including 'research grade testing materials') - Row 1 / Species/Matrix

Variable	V122.C8		
Number Answers	3	Number unique	3

Value/Answer	Number	Frequency
Human	1	33.33%
Human plasma	1	33.33%
U13c yeast extract	1	33.33%
Total	3	100%

Entry field of Non-certified reference materials (including 'research grade testing materials') - Row 1 / Species/Matrix



Question 29 - Non-certified reference materials (including 'research grade testing materials')

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

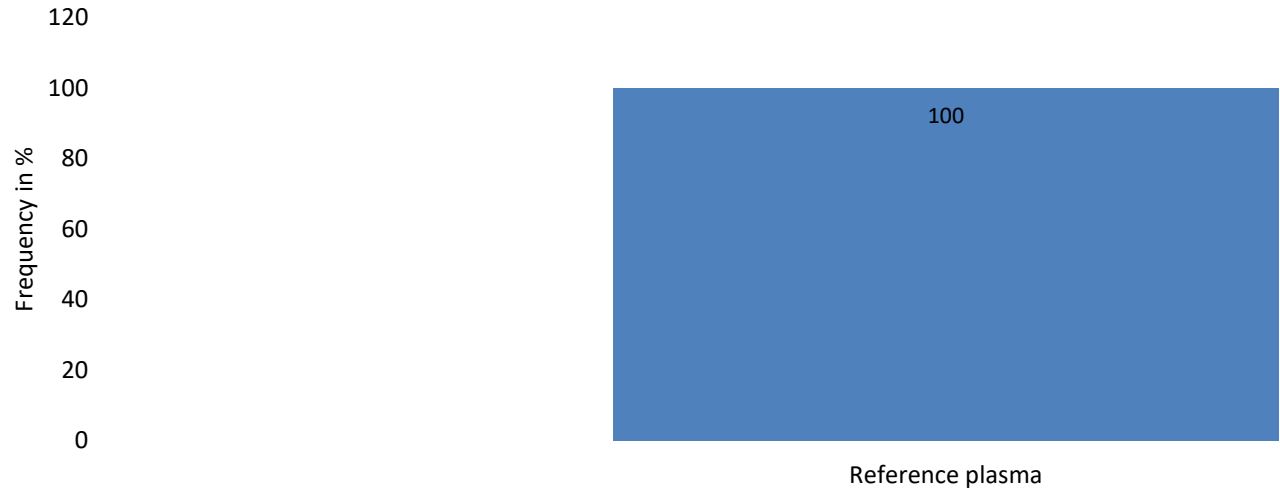
Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Non-certified reference materials (including 'research grade testing materials') - Row 2 / Name

Variable	V161.C7		
Number Answers	1	Number unique	1

Value/Answer	Number	Frequency
Reference plasma	1	100%
Total	1	100%

Entry field of Non-certified reference materials (including 'research grade testing materials') - Row 2 / Name



Question 29 - Non-certified reference materials (including 'research grade testing materials')

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Non-certified reference materials (including 'research grade testing materials') - Row 2 / Species/Matrix

Variable	V161.C8		
Number Answers	1	Number unique	1

Value/Answer	Number	Frequency
Mouse	1	100%
Total	1	100%

Entry field of Non-certified reference materials (including 'research grade testing materials') - Row 2 / Species/Matrix



Question 29 - Non-certified reference materials (including 'research grade testing materials')

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Non-certified reference materials (including 'research grade testing materials') - Row 3 / Name

Variable	V162.C7		
Number Answers	0	Number unique	0

Value/Answer	Number	Frequency
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Question 29 - Non-certified reference materials (including 'research grade testing materials')

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Non-certified reference materials (including 'research grade testing materials') - Row 3 / Species/Matrix

Variable	V162.C8	
Number Answers	0Number unique	0

Value/Answer	Number	Frequency
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Question 29 - Non-certified reference materials (including 'research grade testing materials')

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Non-certified reference materials (including 'research grade testing materials') - Row 4 / Name

Variable	V163.C7		
Number Answers	0	Number unique	0

Value/Answer	Number	Frequency
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Question 29 - Non-certified reference materials (including 'research grade testing materials')

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Non-certified reference materials (including 'research grade testing materials') - Row 4 / Species/Matrix

Variable	V163.C8	
Number Answers	0Number unique	0

Value/Answer	Number	Frequency
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Question 29 - Non-certified reference materials (including 'research grade testing materials')

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Non-certified reference materials (including 'research grade testing materials') - Row 5 / Name

Variable	V165.C7		
Number Answers	0	Number unique	0

Value/Answer	Number	Frequency
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Question 29 - Non-certified reference materials (including 'research grade testing materials')

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for entry field of Non-certified reference materials (including 'research grade testing materials') - Row 5 / Species/Matrix

Variable	V165.C8		
Number Answers	0	Number unique	0

Value/Answer	Number	Frequency
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Question 29 - Non-certified reference materials (including 'research grade testing materials')

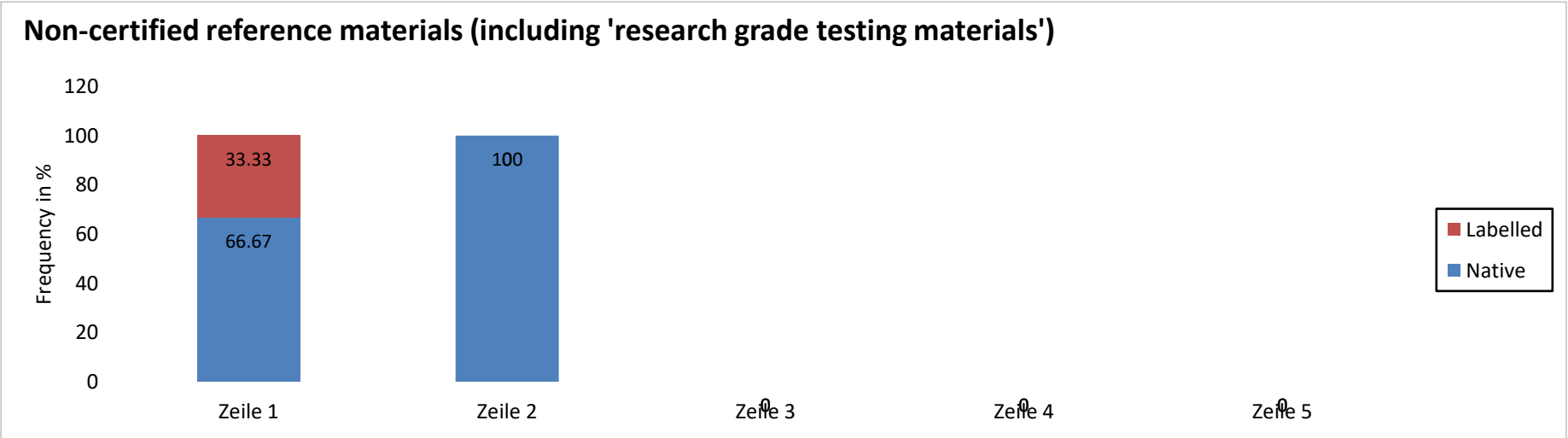
Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Results Isotope labelling (13C, 15N, ...) (Columns 3-4)

Frequency in %		Native	Labelled	Total
	Variable	C9	C10	
Row 1	V122	66.67%	33.33%	3
Row 2	V161	100%	0%	1
Row 3	V162	0%	0%	0
Row 4	V163	0%	0%	0
Row 5	V165	0%	0%	0

Number of answers		Native	Labelled	Total
	Variable	C9	C10	
Row 1	V122	2	1	3
Row 2	V161	1	0	1
Row 3	V162	0	0	0
Row 4	V163	0	0	0
Row 5	V165	0	0	0



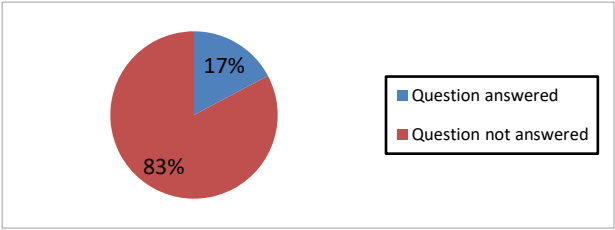
Question 30 - In-house prepared reference materials

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	12	41.38%
Question answered	5	17.24%
Question not answered	24	82.76%



Detailed results for entry field of In-house prepared reference materials - Row 1 / Name

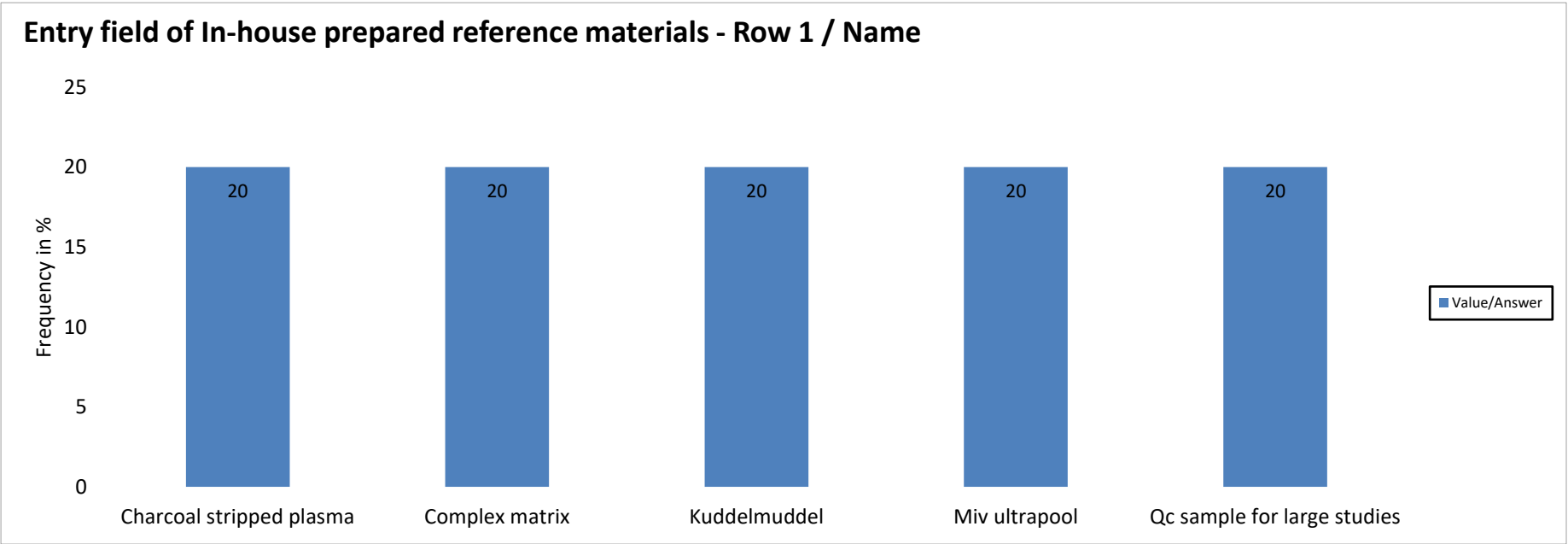
Variable	V166.C11		
Number Answers	5	Number unique	5

Value/Answer	Number	Frequency
Charcoal stripped plasma	1	20%
Complex matrix	1	20%
Kuddelmuddel	1	20%
Miv ultrapool	1	20%
Qc sample for large studies	1	20%
Total	5	100%

Question 30 - In-house prepared reference materials

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)



Question 30 - In-house prepared reference materials

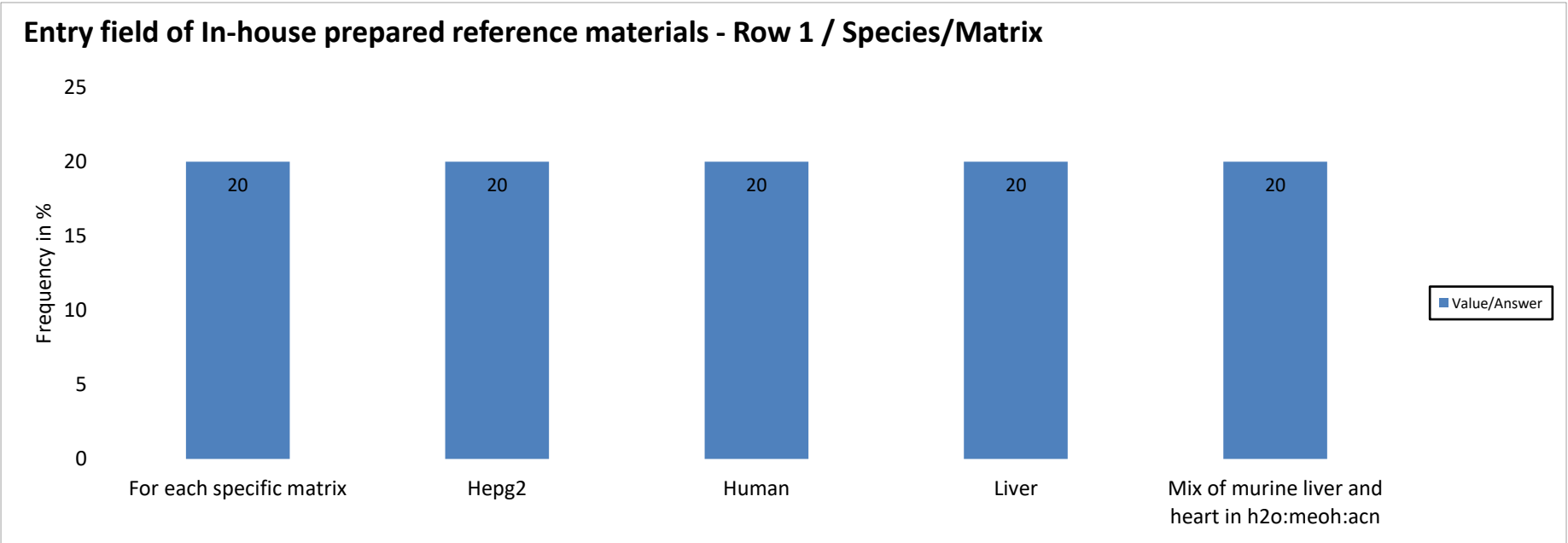
Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for entry field of In-house prepared reference materials - Row 1 / Species/Matrix

Variable	V166.C12	
Number Answers	5	Number unique5

Value/Answer	Number	Frequency
For each specific matrix	1	20%
Hepg2	1	20%
Human	1	20%
Liver	1	20%
Mix of murine liver and heart in h2o:meoh:acn	1	20%
Total	5	100%



Question 30 - In-house prepared reference materials

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

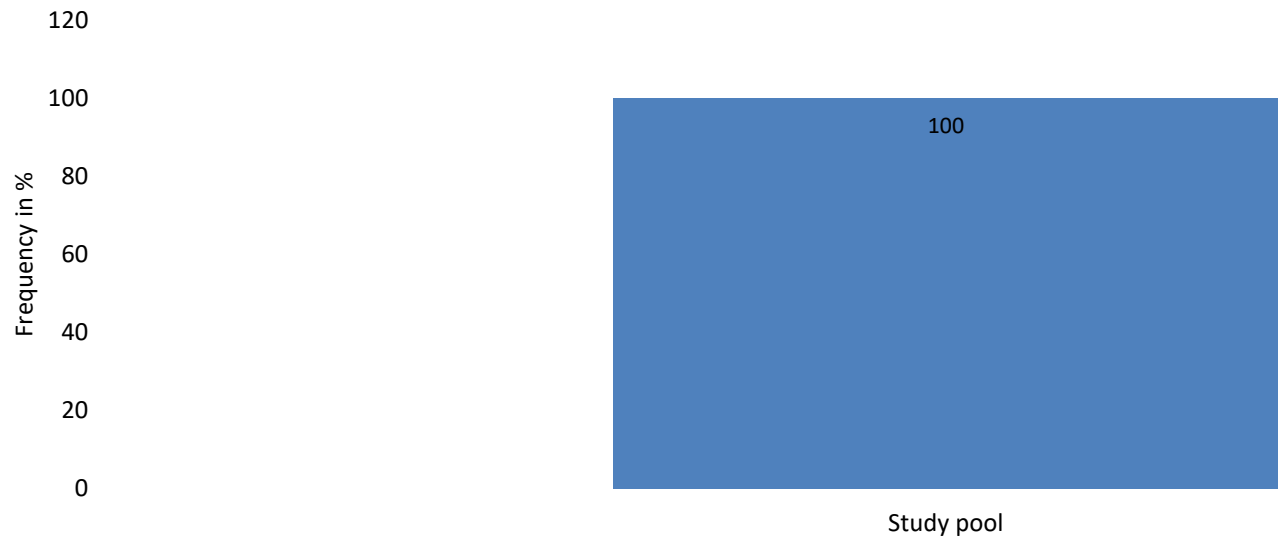
Number of participants evaluated: 29 (all participants)

Detailed results for entry field of In-house prepared reference materials - Row 2 / Name

Variable	V169.C11		
Number Answers	1	Number unique	1

Value/Answer	Number	Frequency
Study pool	1	100%
Total	1	100%

Entry field of In-house prepared reference materials - Row 2 / Name



Question 30 - In-house prepared reference materials

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

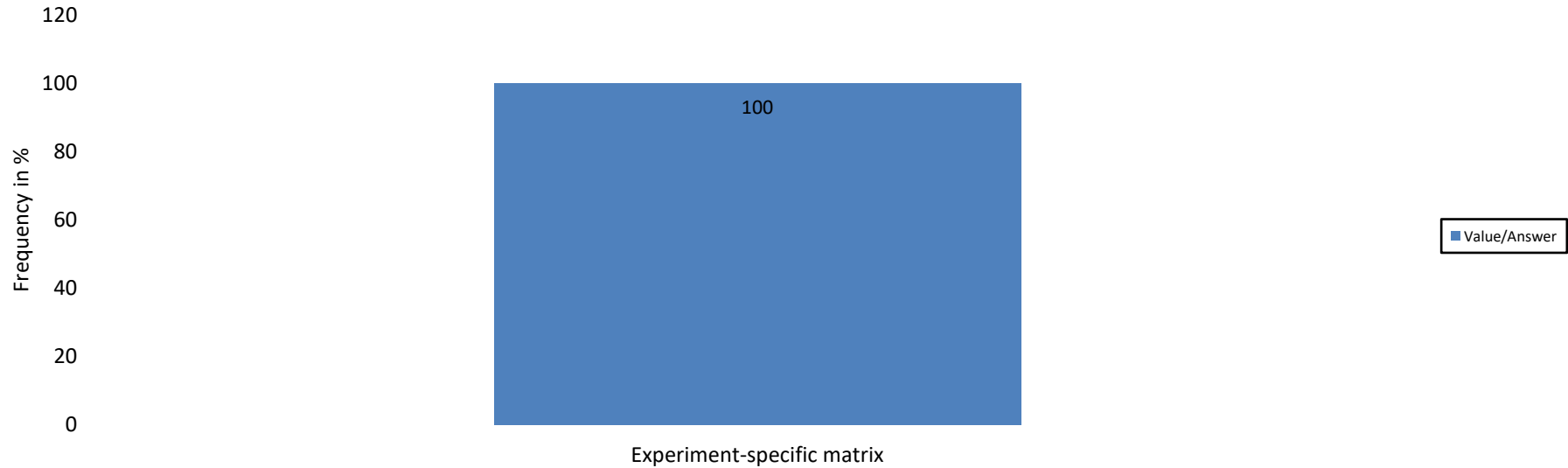
Number of participants evaluated: 29 (all participants)

Detailed results for entry field of In-house prepared reference materials - Row 2 / Species/Matrix

Variable	V169.C12		
Number Answers	1	Number unique	1

Value/Answer	Number	Frequency
Experiment-specific matrix	1	100%
Total	1	100%

Entry field of In-house prepared reference materials - Row 2 / Species/Matrix



Question 30 - In-house prepared reference materials

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for entry field of In-house prepared reference materials - Row 3 / Name

Variable	V178.C11	
Number Answers	0Number unique	0

Value/Answer	Number	Frequency
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Question 30 - In-house prepared reference materials

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for entry field of In-house prepared reference materials - Row 3 / Species/Matrix

Variable	V178.C12	
Number Answers	0Number unique	0

Value/Answer	Number	Frequency
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Question 30 - In-house prepared reference materials

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for entry field of In-house prepared reference materials - Row 4 / Name

Variable	V179.C11	
Number Answers	0Number unique	0

Value/Answer	Number	Frequency
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Question 30 - In-house prepared reference materials

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for entry field of In-house prepared reference materials - Row 4 / Species/Matrix

Variable	V179.C12	
Number Answers	0Number unique	0

Value/Answer	Number	Frequency
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Question 30 - In-house prepared reference materials

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for entry field of In-house prepared reference materials - Row 5 / Name

Variable	V180.C11	
Number Answers	0Number unique	0

Value/Answer	Number	Frequency
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Question 30 - In-house prepared reference materials

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for entry field of In-house prepared reference materials - Row 5 / Species/Matrix

Variable	V180.C12	
Number Answers	0Number unique	0

Value/Answer	Number	Frequency
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Question 30 - In-house prepared reference materials

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Results Isotope labelling (13C, 15N, ...) (Columns 3-4)

Frequency in %		Native	Labelled	Total
	Variable	C13	C14	
Row 1	V166	100%	0%	5
Row 2	V169	100%	0%	1
Row 3	V178	0%	0%	0
Row 4	V179	0%	0%	0
Row 5	V180	0%	0%	0

Number of answers		Native	Labelled	Total
	Variable	C13	C14	
Row 1	V166	5	0	5
Row 2	V169	1	0	1
Row 3	V178	0	0	0
Row 4	V179	0	0	0
Row 5	V180	0	0	0



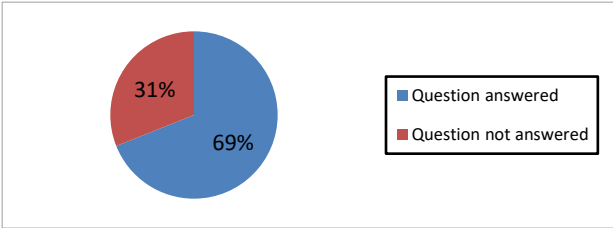
Question 31 - Are you missing standards, standard mixtures or reference materials that could support your metabolomics tools?

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	22	75.86%
Question answered	20	68.97%
Question not answered	9	31.03%



Rate from 1 = no need to 5 = strong need

Results (Total)

Frequency in %	Variable	Value 1	Value 2	Value 3	Value 4	Value 5	Total
Instrument qualification	V42	64.71%	5.88%	11.76%	11.76%	5.88%	17
System suitability tests	V43	47.06%	11.76%	5.88%	11.76%	23.53%	17
Quality control (QC) purposes	V44	35.29%	0%	35.29%	11.76%	17.65%	17
Analytical method validation	V68	11.76%	11.76%	47.06%	11.76%	17.65%	17
Calibration standards for quantification	V114	0%	11.76%	23.53%	23.53%	41.18%	17
Metabolite identification	V115	15%	5%	25%	10%	45%	20
Bridging across study sample data	V116	27.78%	11.11%	27.78%	22.22%	11.11%	18
Data pre-processing (e.g. normalization)	V117	31.25%	25%	25%	18.75%	0%	16

Frequency Number	Variable	Value 1	Value 2	Value 3	Value 4	Value 5	Total	Average	Median
Instrument qualification	V42	11	1	2	2	1	17	1.88	1
System suitability tests	V43	8	2	1	2	4	17	2.53	2
Quality control (QC) purposes	V44	6	0	6	2	3	17	2.76	3
Analytical method validation	V68	2	2	8	2	3	17	3.12	3

Question 31 - Are you missing standards, standard mixtures or reference materials that could support your metabolomics tools?

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Calibration standards for quantification	V114	0	2	4	4	7	17	3.94	4
Metabolite identification	V115	3	1	5	2	9	20	3.65	4
Bridging across study sample data	V116	5	2	5	4	2	18	2.78	3
Data pre-processing (e.g. normalization)	V117	5	4	4	3	0	16	2.31	2
Total		40	14	35	21	29	139	2.89	3

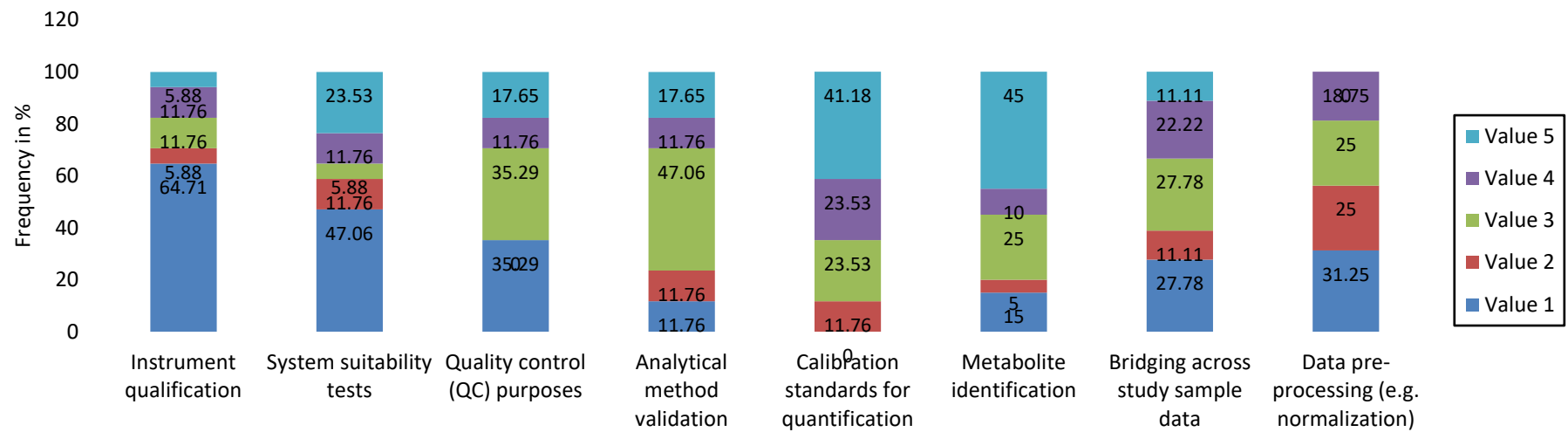
Question 31 - Are you missing standards, standard mixtures or reference materials that could support your metabolomics tools?

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

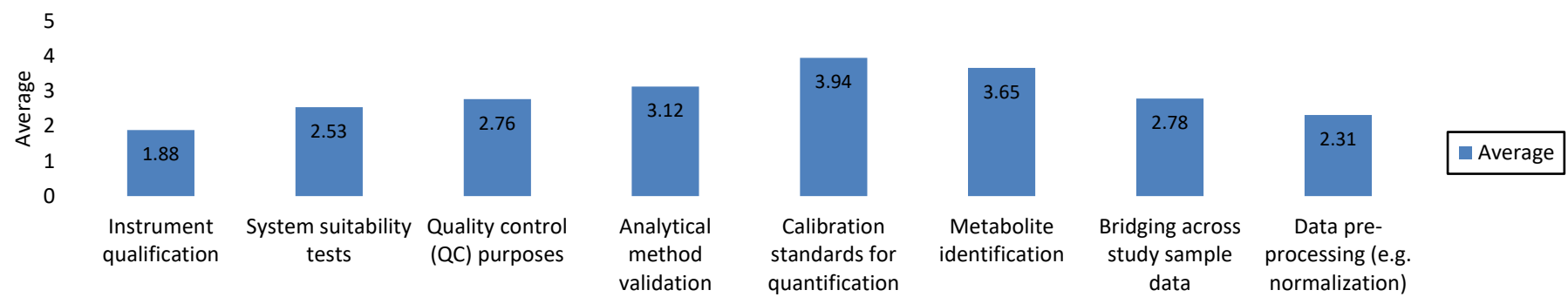
Number of participants evaluated: 29 (all participants)

Rate from 1 = no need to 5 = strong need

Are you missing standards, standard mixtures or reference materials that could support your metabolomics tools?



Are you missing standards, standard mixtures or reference materials that could support your metabolomics tools? - Durchschnitt



Question 31 - Are you missing standards, standard mixtures or reference materials that could support your metabolomics tools?

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

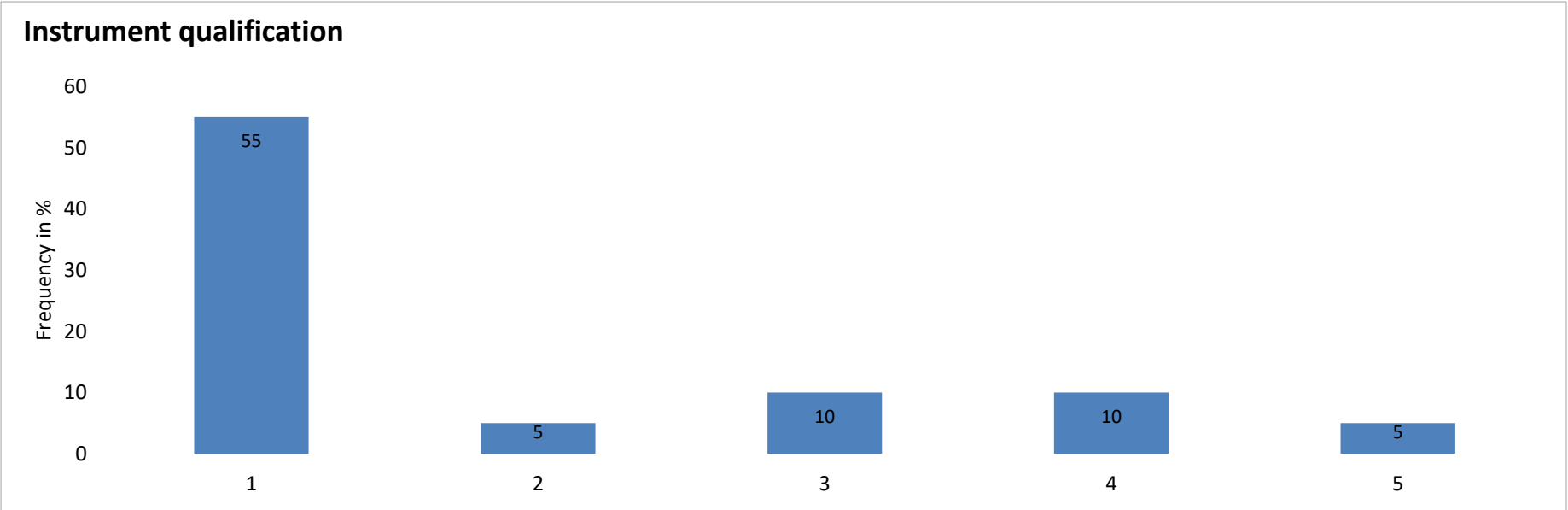
Number of participants evaluated: 29 (all participants)

Detailed results for Instrument qualification

Variable	V42	Number of answers	17
Average	1.88	Median	1
Variance	1.75	Standard deviation	1.32
Smallest Value	1	Highest Value	5

Value/Answer	Number	Frequency
1	11	55%
2	1	5%
3	2	10%
4	2	10%
5	1	5%
Total	17	58.62%

Rate from 1 = no need to 5 = strong need



Question 31 - Are you missing standards, standard mixtures or reference materials that could support your metabolomics tools?

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

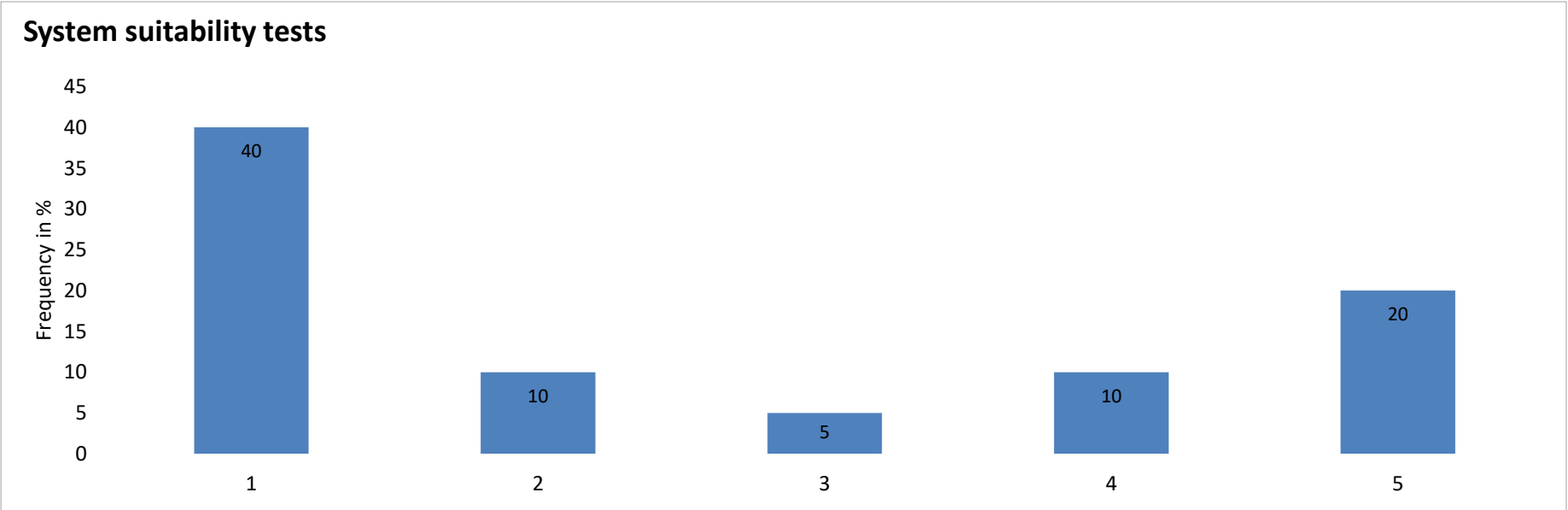
Number of participants evaluated: 29 (all participants)

Detailed results for System suitability tests

Variable	V43	Number of answers	17
Average	2.53	Median	2
Variance	2.84	Standard deviation	1.68
Smallest Value	1	Highest Value	5

Value/Answer	Number	Frequency
1	8	40%
2	2	10%
3	1	5%
4	2	10%
5	4	20%
Total	17	58.62%

Rate from 1 = no need to 5 = strong need



Question 31 - Are you missing standards, standard mixtures or reference materials that could support your metabolomics tools?

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

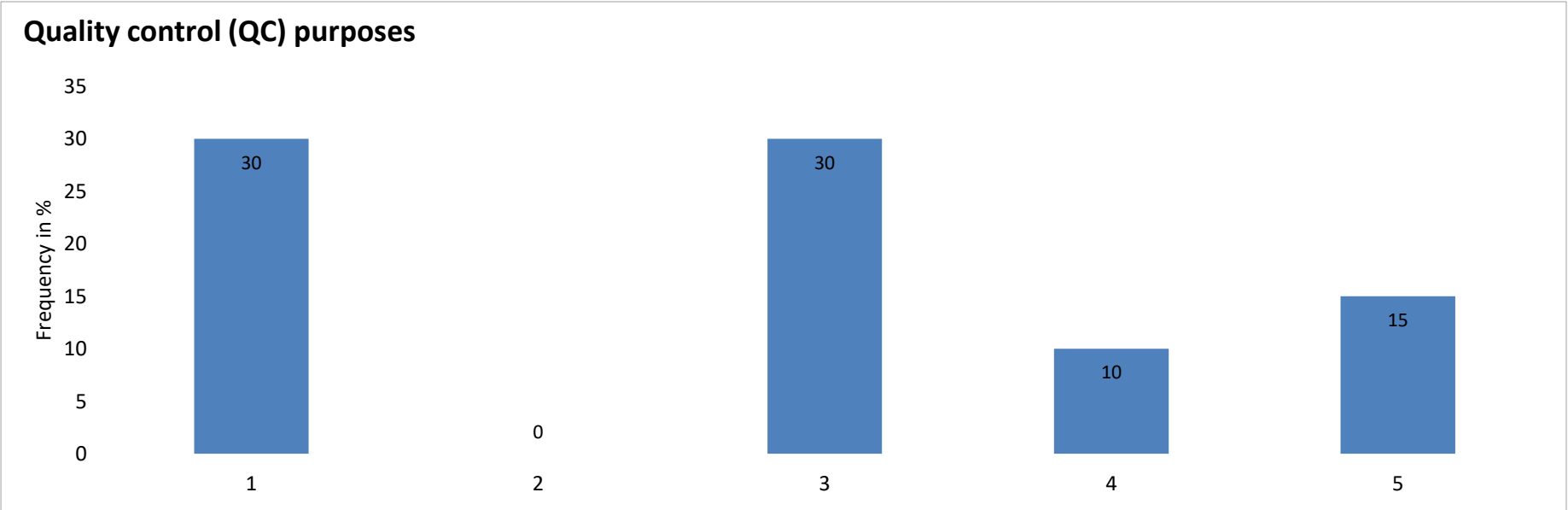
Number of participants evaluated: 29 (all participants)

Detailed results for Quality control (QC) purposes

Variable	V44	Number of answers	17
Average	2.76	Median	3
Variance	2.18	Standard deviation	1.48
Smallest Value	1	Highest Value	5

Value/Answer	Number	Frequency
1	6	30%
2	0	0%
3	6	30%
4	2	10%
5	3	15%
Total	17	58.62%

Rate from 1 = no need to 5 = strong need



Question 31 - Are you missing standards, standard mixtures or reference materials that could support your metabolomics tools?

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

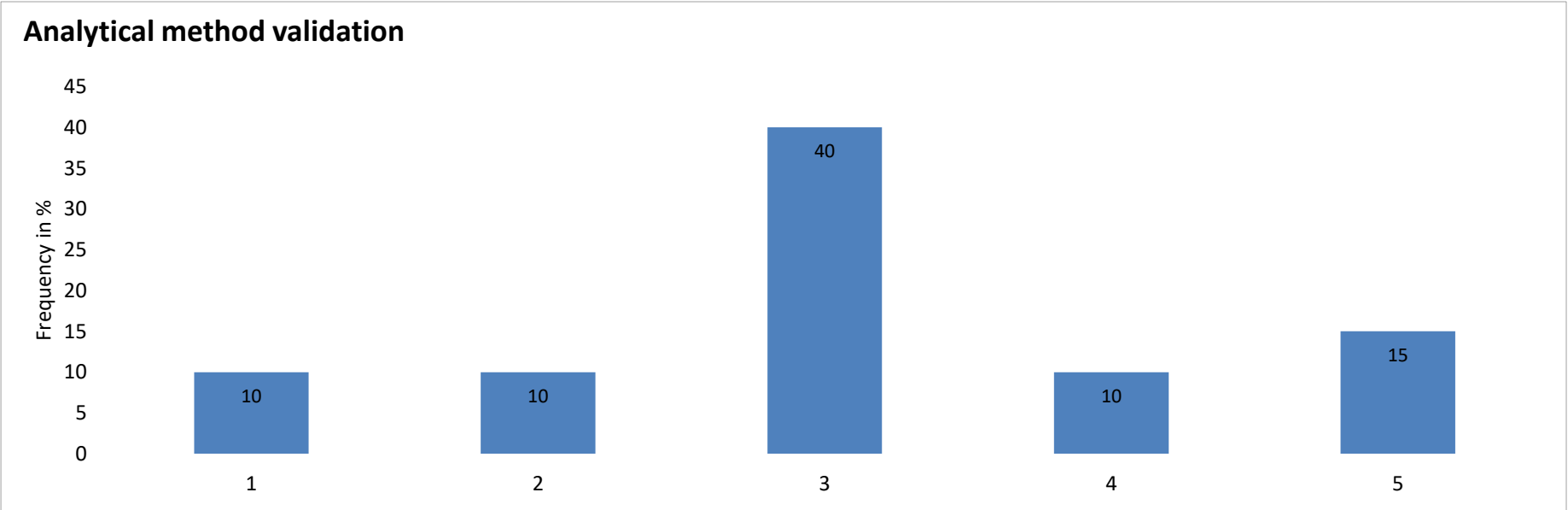
Number of participants evaluated: 29 (all participants)

Detailed results for Analytical method validation

Variable	V68	Number of answers	17
Average	3.12	Median	3
Variance	1.40	Standard deviation	1.18
Smallest Value	1	Highest Value	5

Value/Answer	Number	Frequency
1	2	10%
2	2	10%
3	8	40%
4	2	10%
5	3	15%
Total	17	58.62%

Rate from 1 = no need to 5 = strong need



Question 31 - Are you missing standards, standard mixtures or reference materials that could support your metabolomics tools?

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

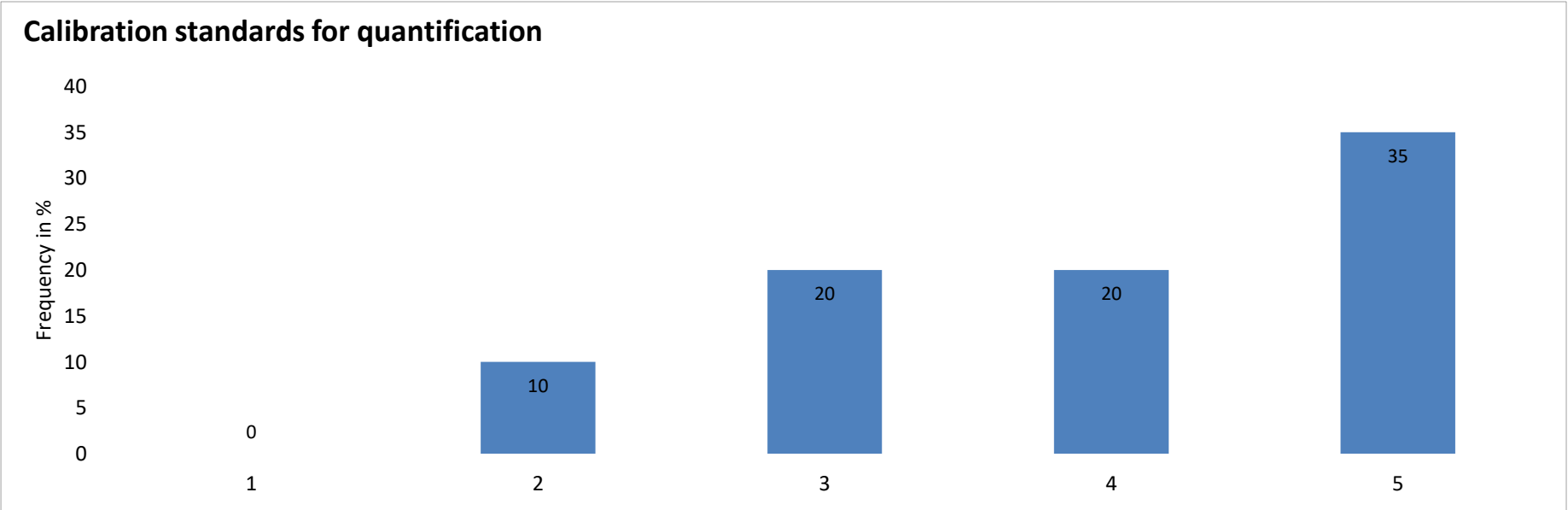
Number of participants evaluated: 29 (all participants)

Detailed results for Calibration standards for quantification

Variable	V114	Number of answers	17
Average	3.94	Median	4
Variance	1.11	Standard deviation	1.06
Smallest Value	2	Highest Value	5

Value/Answer	Number	Frequency
1	0	0%
2	2	10%
3	4	20%
4	4	20%
5	7	35%
Total	17	58.62%

Rate from 1 = no need to 5 = strong need



Question 31 - Are you missing standards, standard mixtures or reference materials that could support your metabolomics tools?

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

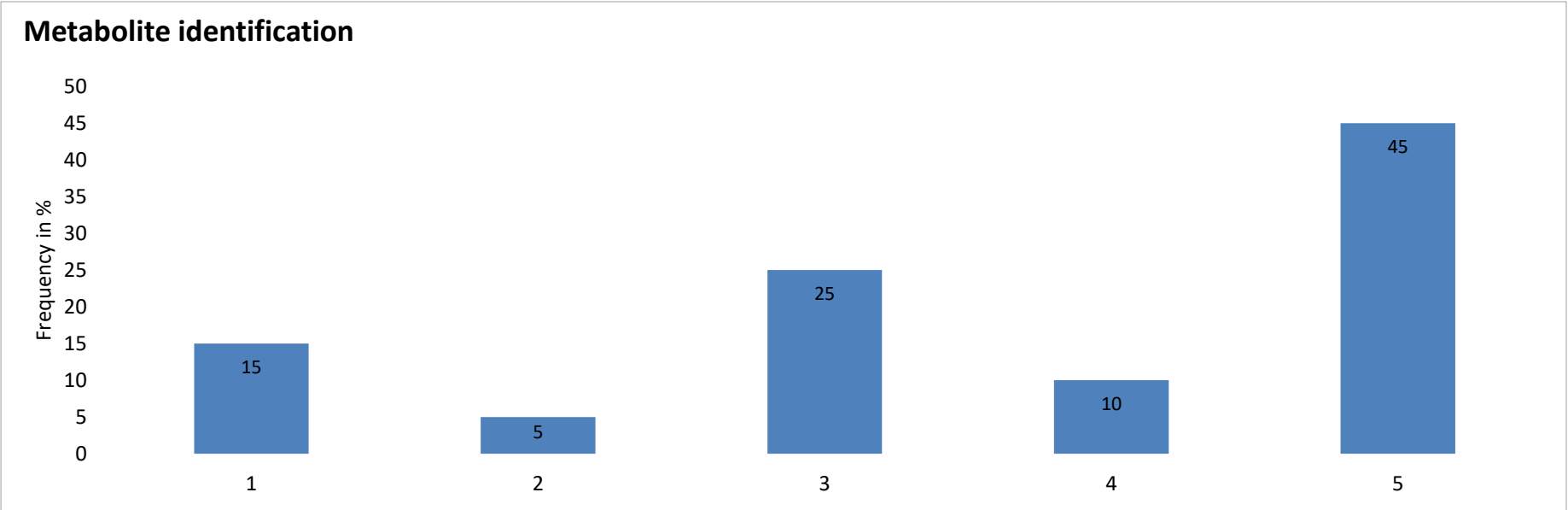
Number of participants evaluated: 29 (all participants)

Detailed results for Metabolite identification

Variable	V115	Number of answers	20
Average	3.65	Median	4
Variance	2.13	Standard deviation	1.46
Smallest Value	1	Highest Value	5

Value/Answer	Number	Frequency
1	3	15%
2	1	5%
3	5	25%
4	2	10%
5	9	45%
Total	20	68.97%

Rate from 1 = no need to 5 = strong need



Question 31 - Are you missing standards, standard mixtures or reference materials that could support your metabolomics tools?

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

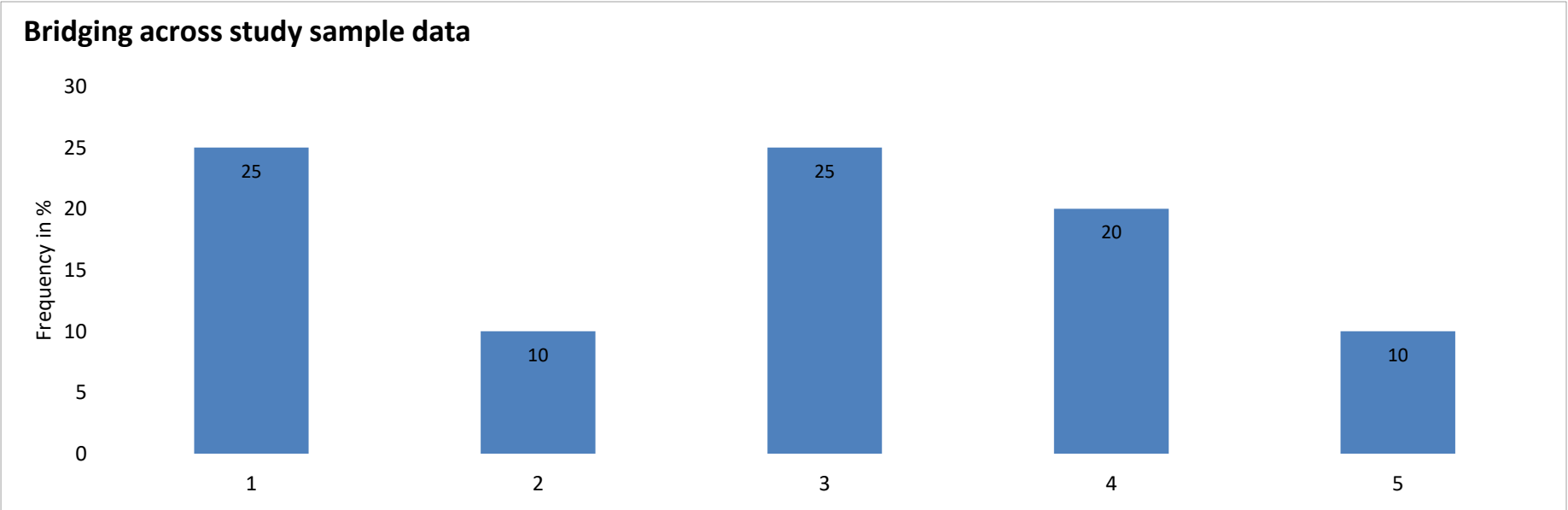
Number of participants evaluated: 29 (all participants)

Detailed results for Bridging across study sample data

Variable	V116	Number of answers	18
Average	2.78	Median	3
Variance	1.84	Standard deviation	1.36
Smallest Value	1	Highest Value	5

Value/Answer	Number	Frequency
1	5	25%
2	2	10%
3	5	25%
4	4	20%
5	2	10%
Total	18	62.07%

Rate from 1 = no need to 5 = strong need



Question 31 - Are you missing standards, standard mixtures or reference materials that could support your metabolomics tools?

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

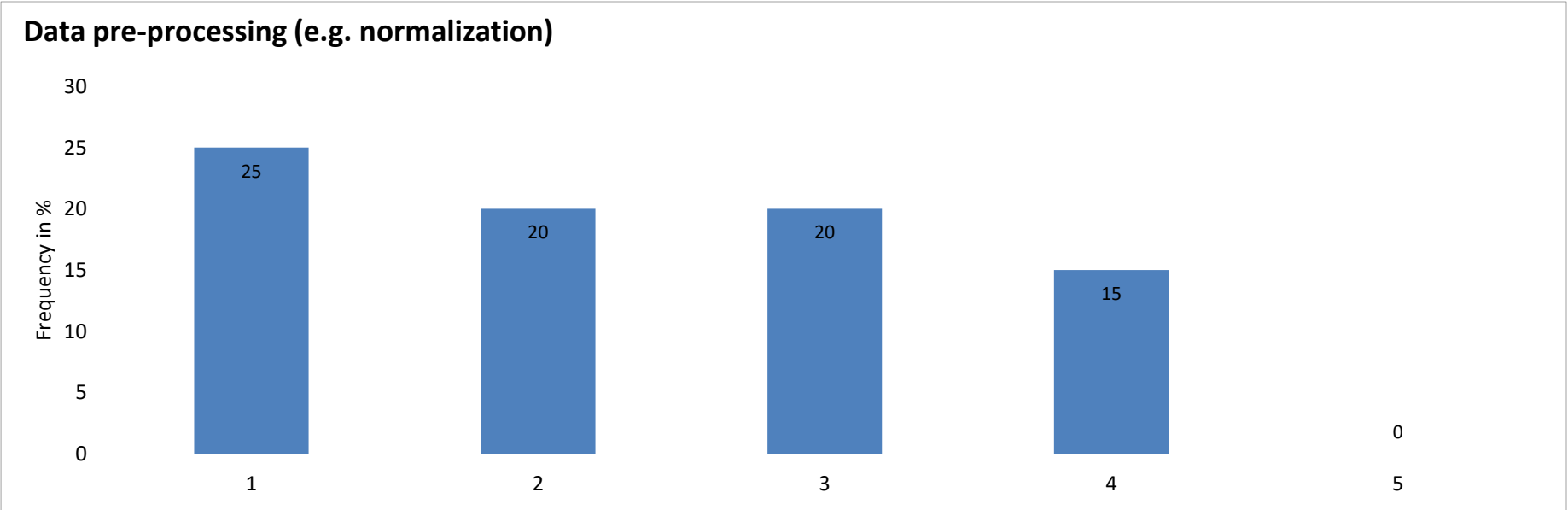
Number of participants evaluated: 29 (all participants)

Detailed results for Data pre-processing (e.g. normalization)

Variable	V117	Number of answers	16
Average	2.31	Median	2
Variance	1.21	Standard deviation	1.10
Smallest Value	1	Highest Value	4

Value/Answer	Number	Frequency
1	5	25%
2	4	20%
3	4	20%
4	3	15%
5	0	0%
Total	16	55.17%

Rate from 1 = no need to 5 = strong need



Question 32 - Please indicate the type of new standards or reference materials that you feel are needed.

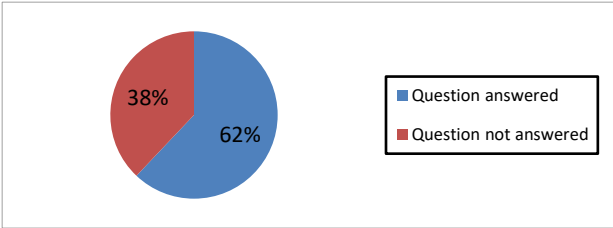
Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Rate from 1 = no need to 5 = strong need

Status data

of 29 participants	Number	Percent
Question seen	22	75.86%
Question answered	18	62.07%
Question not answered	11	37.93%



Results (Total)

Frequency in %	Variable	Value 1	Value 2	Value 3	Value 4	Value 5	Total
Single chemical standards - unlabelled	V172	25%	6.25%	12.50%	25%	31.25%	16
Single chemical standards - isotope labelled	V173	17.65%	5.88%	17.65%	17.65%	41.18%	17
Compound mixtures or libraries - unlabelled	V174	11.76%	11.76%	17.65%	23.53%	35.29%	17
Compound mixtures or libraries - isotope labelled	V175	11.11%	11.11%	22.22%	11.11%	44.44%	18
Reference material (including research grade testing materials)	V176	5.88%	23.53%	17.65%	17.65%	35.29%	17
Certified reference material (CRM)	V181	29.41%	17.65%	23.53%	5.88%	23.53%	17

Frequency Number	Variable	Value 1	Value 2	Value 3	Value 4	Value 5	Total	Average	Median
Single chemical standards - unlabelled	V172	4	1	2	4	5	16	3.31	4
Single chemical standards - isotope labelled	V173	3	1	3	3	7	17	3.59	4
Compound mixtures or libraries - unlabelled	V174	2	2	3	4	6	17	3.59	4

Question 32 - Please indicate the type of new standards or reference materials that you feel are needed.

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Compound mixtures or libraries - isotope labelled	V175	2	2	4	2	8	18	3.67	4
Reference material (including research grade testing materials)	V176	1	4	3	3	6	17	3.53	4
Certified reference material (CRM)	V181	5	3	4	1	4	17	2.76	3
Total		17	13	19	17	36	102	3.41	4

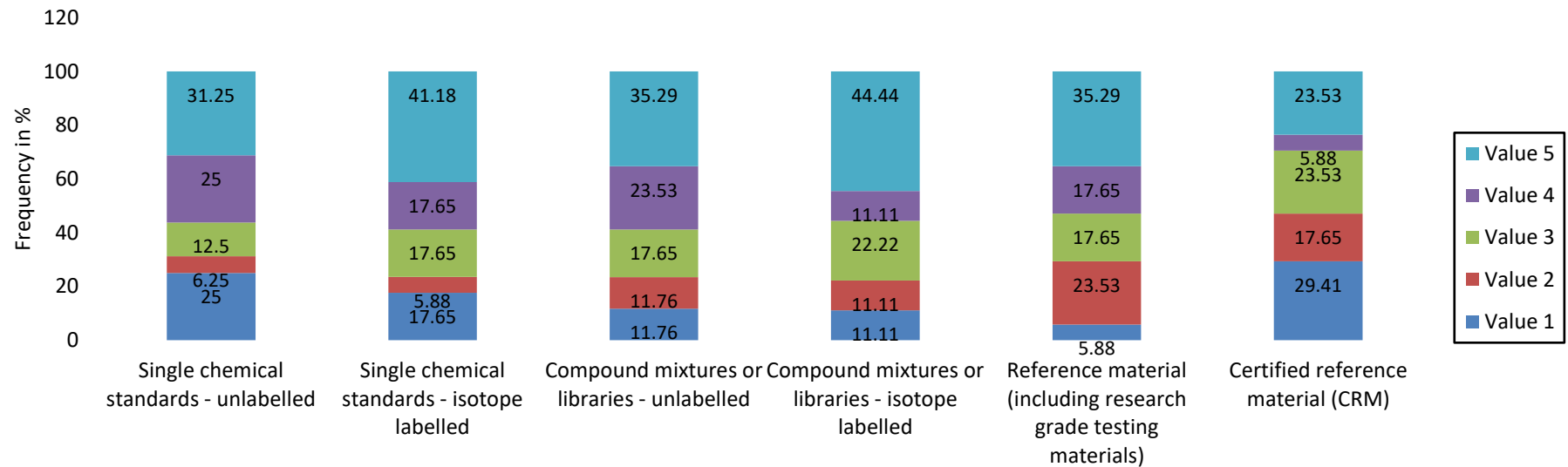
Question 32 - Please indicate the type of new standards or reference materials that you feel are needed.

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

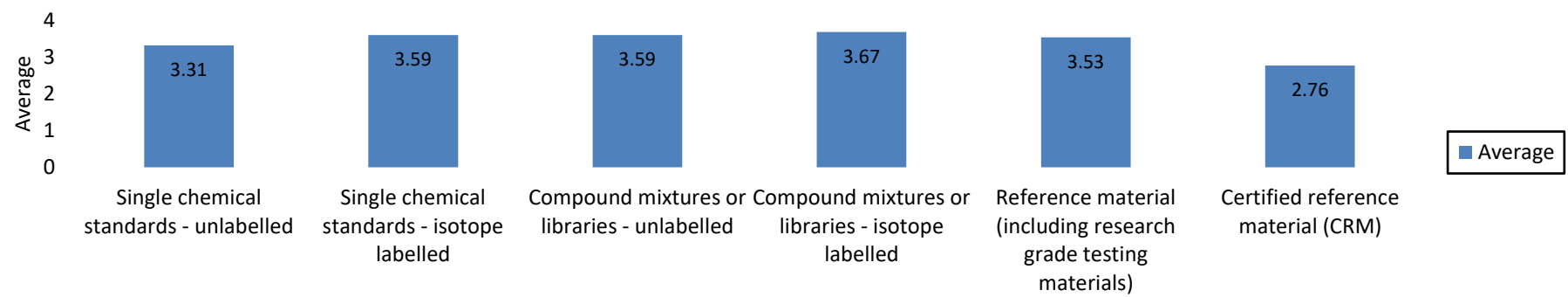
Number of participants evaluated: 29 (all participants)

Rate from 1 = no need to 5 = strong need

Please indicate the type of new standards or reference materials that you feel are needed.



Please indicate the type of new standards or reference materials that you feel are needed. - Durchschnitt



Question 32 - Please indicate the type of new standards or reference materials that you feel are needed.

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

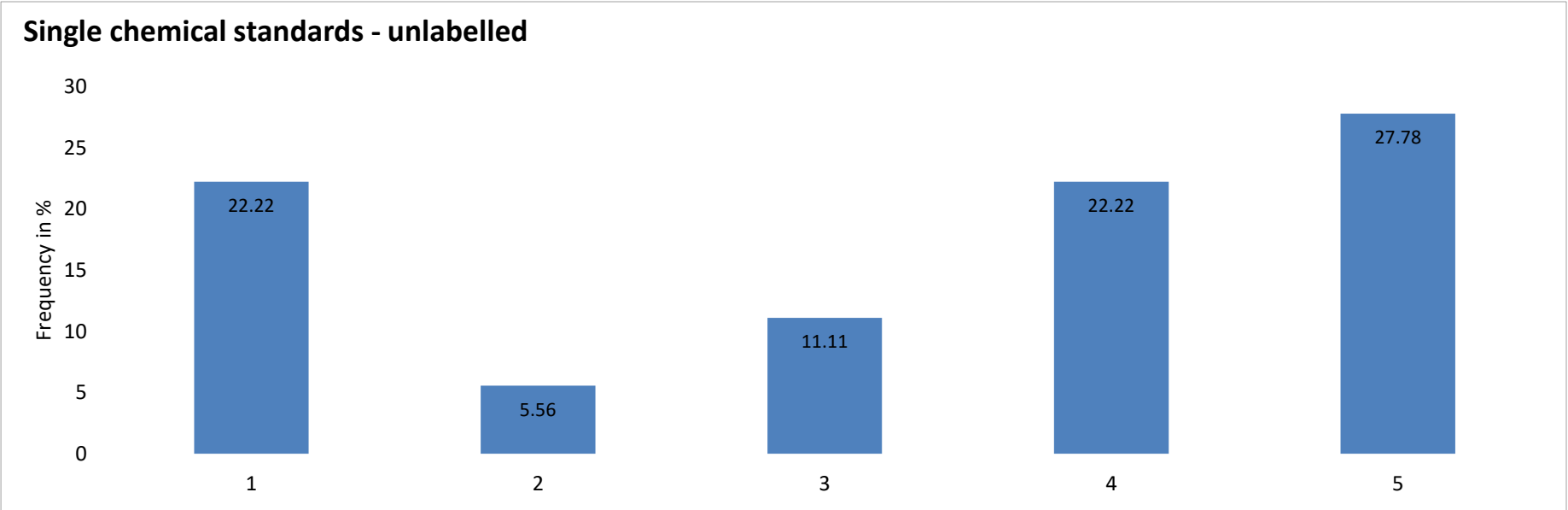
Number of participants evaluated: 29 (all participants)

Detailed results for Single chemical standards - unlabelled

Variable	V172	Number of answers	16
Average	3.31	Median	4
Variance	2.46	Standard deviation	1.57
Smallest Value	1	Highest Value	5

Value/Answer	Number	Frequency
1	4	22.22%
2	1	5.56%
3	2	11.11%
4	4	22.22%
5	5	27.78%
Total	16	55.17%

Rate from 1 = no need to 5 = strong need



Question 32 - Please indicate the type of new standards or reference materials that you feel are needed.

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

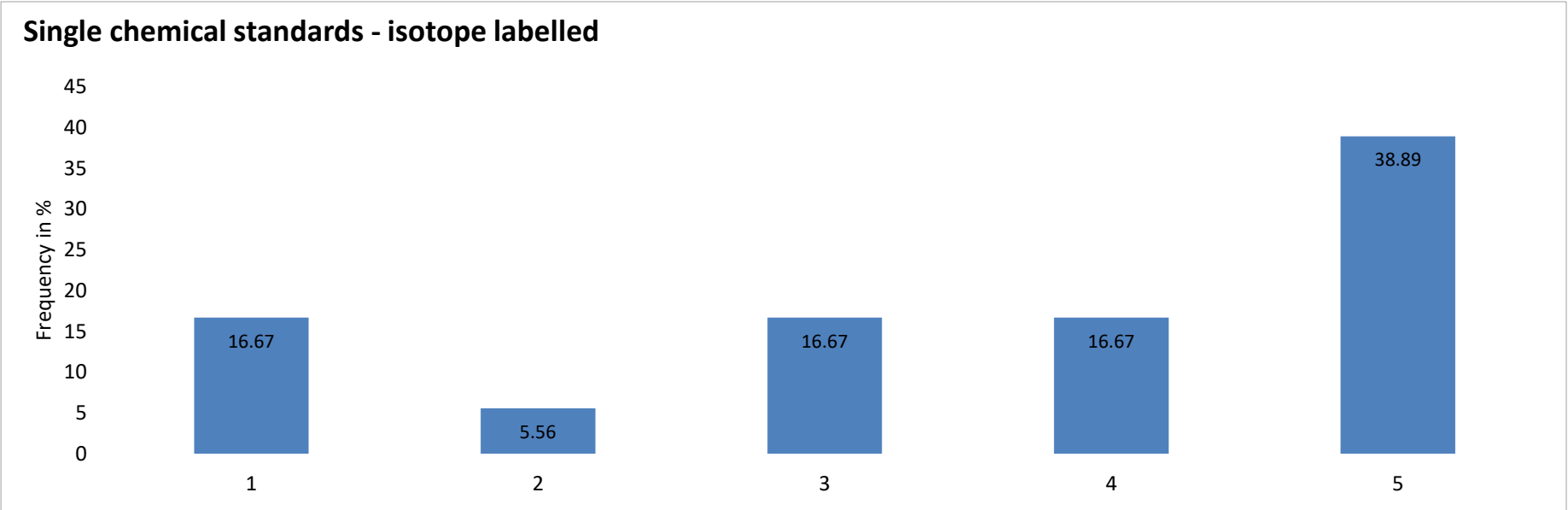
Number of participants evaluated: 29 (all participants)

Detailed results for Single chemical standards - isotope labelled

Variable	V173	Number of answers	17
Average	3.59	Median	4
Variance	2.24	Standard deviation	1.50
Smallest Value	1	Highest Value	5

Value/Answer	Number	Frequency
1	3	16.67%
2	1	5.56%
3	3	16.67%
4	3	16.67%
5	7	38.89%
Total	17	58.62%

Rate from 1 = no need to 5 = strong need



Question 32 - Please indicate the type of new standards or reference materials that you feel are needed.

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

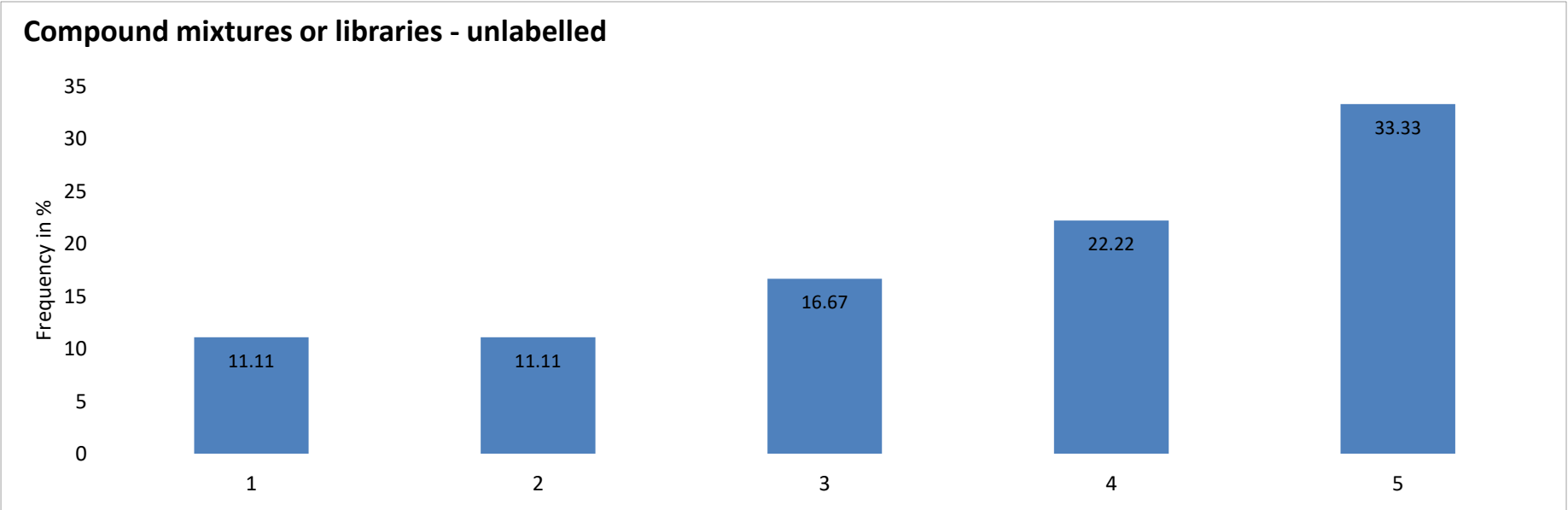
Number of participants evaluated: 29 (all participants)

Detailed results for Compound mixtures or libraries - unlabelled

Variable	V174	Number of answers	17
Average	3.59	Median	4
Variance	1.89	Standard deviation	1.37
Smallest Value	1	Highest Value	5

Value/Answer	Number	Frequency
1	2	11.11%
2	2	11.11%
3	3	16.67%
4	4	22.22%
5	6	33.33%
Total	17	58.62%

Rate from 1 = no need to 5 = strong need



Question 32 - Please indicate the type of new standards or reference materials that you feel are needed.

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

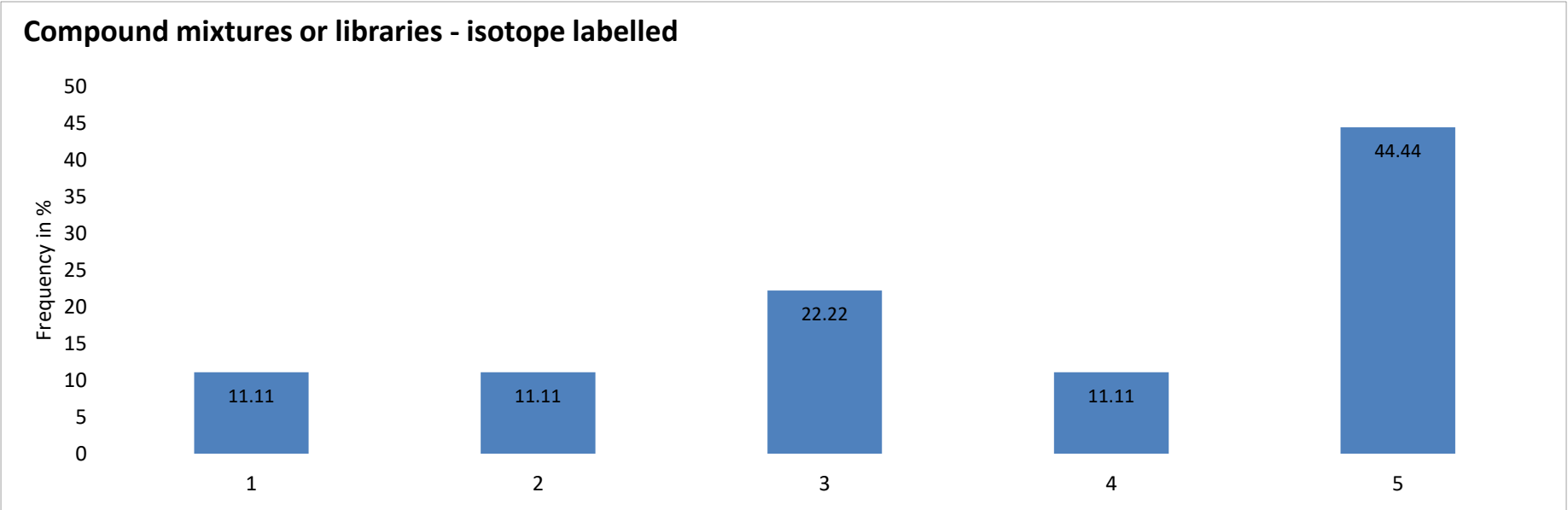
Number of participants evaluated: 29 (all participants)

Detailed results for Compound mixtures or libraries - isotope labelled

Variable	V175	Number of answers	18
Average	3.67	Median	4
Variance	2	Standard deviation	1.41
Smallest Value	1	Highest Value	5

Value/Answer	Number	Frequency
1	2	11.11%
2	2	11.11%
3	4	22.22%
4	2	11.11%
5	8	44.44%
Total	18	62.07%

Rate from 1 = no need to 5 = strong need



Question 32 - Please indicate the type of new standards or reference materials that you feel are needed.

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

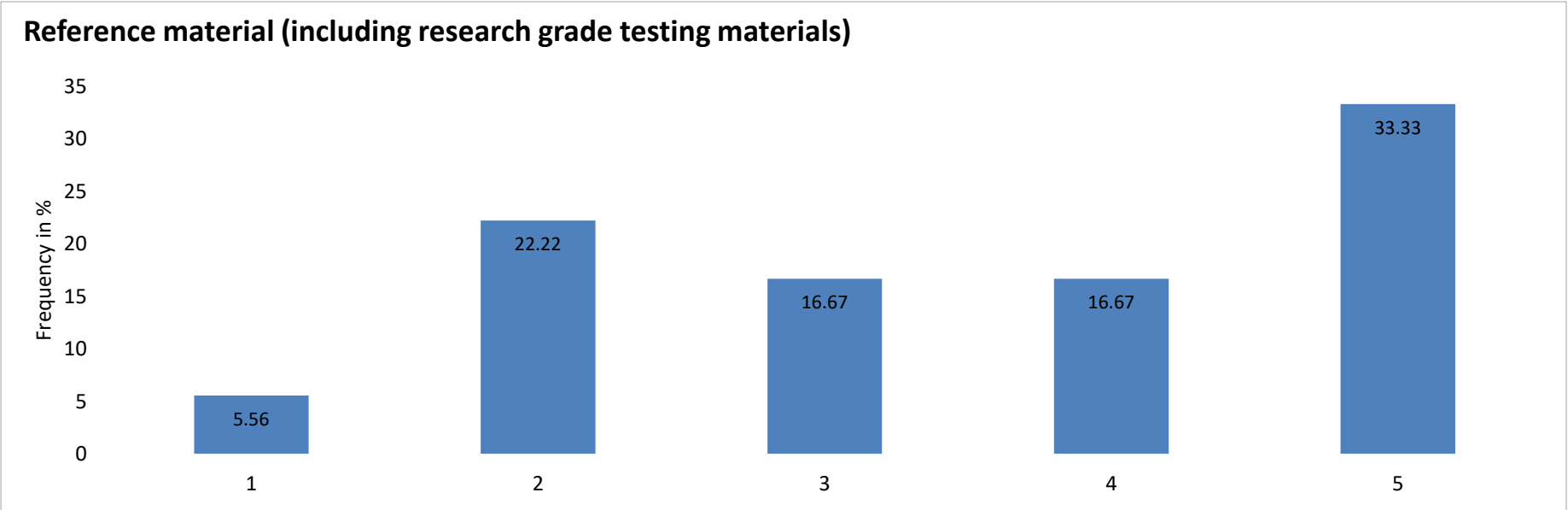
Number of participants evaluated: 29 (all participants)

Detailed results for Reference material (including research grade testing materials)

Variable	V176	Number of answers	17
Average	3.53	Median	4
Variance	1.78	Standard deviation	1.33
Smallest Value	1	Highest Value	5

Value/Answer	Number	Frequency
1	1	5.56%
2	4	22.22%
3	3	16.67%
4	3	16.67%
5	6	33.33%
Total	17	58.62%

Rate from 1 = no need to 5 = strong need



Question 32 - Please indicate the type of new standards or reference materials that you feel are needed.

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

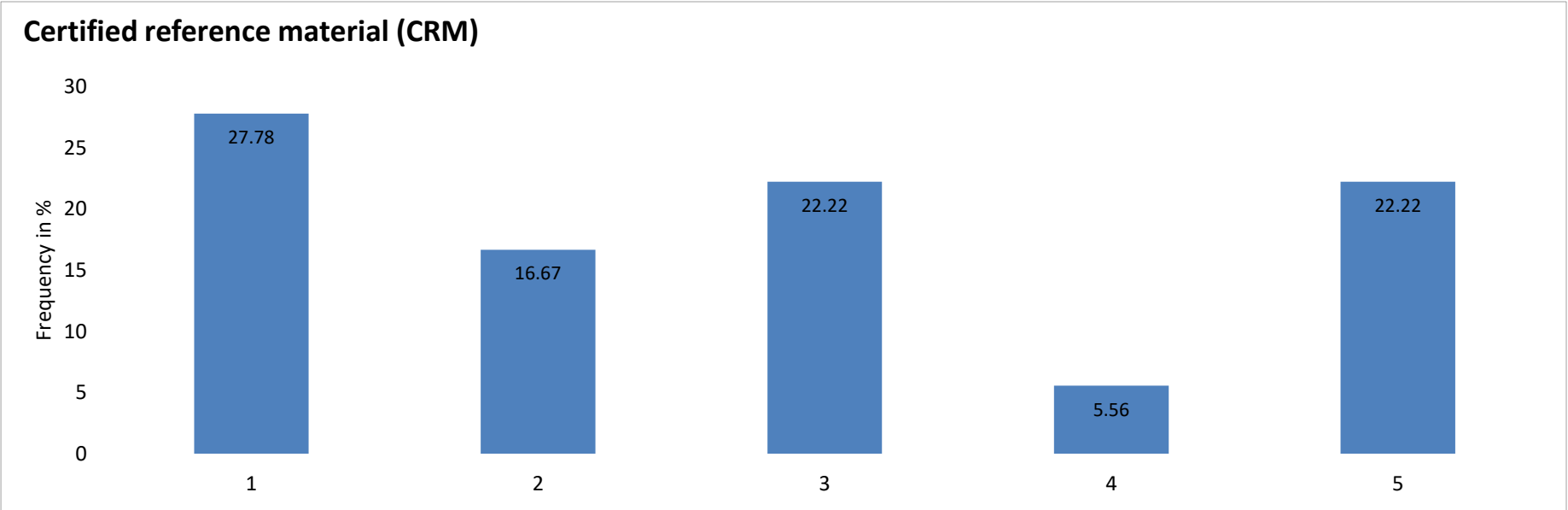
Number of participants evaluated: 29 (all participants)

Detailed results for Certified reference material (CRM)

Variable	V181	Number of answers	17
Average	2.76	Median	3
Variance	2.30	Standard deviation	1.52
Smallest Value	1	Highest Value	5

Value/Answer	Number	Frequency
1	5	27.78%
2	3	16.67%
3	4	22.22%
4	1	5.56%
5	4	22.22%
Total	17	58.62%

Rate from 1 = no need to 5 = strong need



Question 33 - Is cost prohibiting you from using chemical standards or reference materials in your metabolomics workflow?

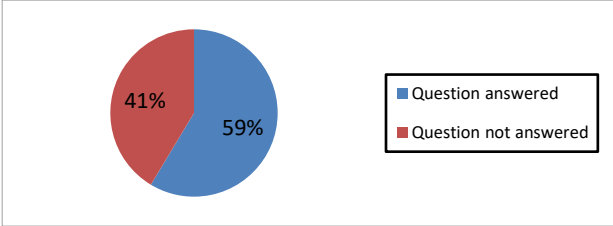
Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	22	75.86%
Question answered	17	58.62%
Question not answered	12	41.38%

Rate from 1 = cost is no issue to 5 = cost is problematic



Results (Total)

Frequency in %	Variable	Value 1	Value 2	Value 3	Value 4	Value 5	Total
Single chemical standards - unlabelled	V189	29.41%	23.53%	29.41%	11.76%	5.88%	17
Single chemical standards - isotope labelled	V190	6.25%	0%	12.50%	56.25%	25%	16
Compound mixtures or libraries - unlabelled	V191	0%	17.65%	35.29%	29.41%	17.65%	17
Compound mixtures or libraries - isotope labelled	V195	5.88%	0%	11.76%	29.41%	52.94%	17
Reference material (including research grade testing materials)	V196	0%	14.29%	35.71%	35.71%	14.29%	14
Certified reference material (CRM)	V197	16.67%	8.33%	16.67%	33.33%	25%	12

Frequency Number	Variable	Value 1	Value 2	Value 3	Value 4	Value 5	Total	Average	Median
Single chemical standards - unlabelled	V189	5	4	5	2	1	17	2.41	2
Single chemical standards - isotope labelled	V190	1	0	2	9	4	16	3.94	4
Compound mixtures or libraries - unlabelled	V191	0	3	6	5	3	17	3.47	3

Question 33 - Is cost prohibiting you from using chemical standards or reference materials in your metabolomics workflow?

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Compound mixtures or libraries - isotope labelled	V195	1	0	2	5	9	17	4.24	5
Reference material (including research grade testing materials)	V196	0	2	5	5	2	14	3.50	3.50
Certified reference material (CRM)	V197	2	1	2	4	3	12	3.42	4
Total		9	10	22	30	22	93	3.49	4

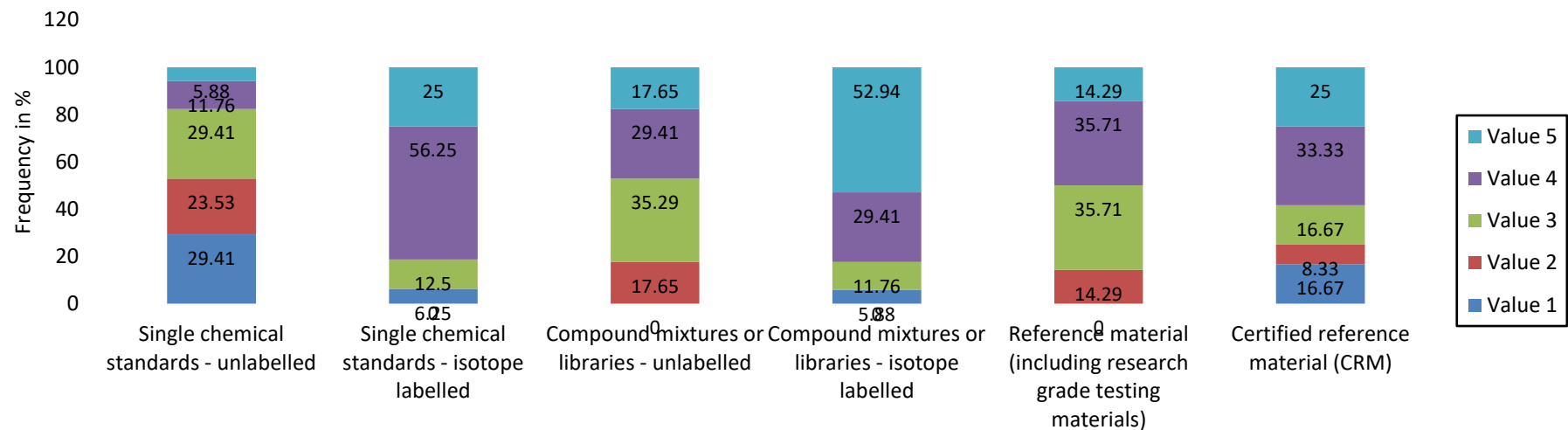
Question 33 - Is cost prohibiting you from using chemical standards or reference materials in your metabolomics workflow?

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

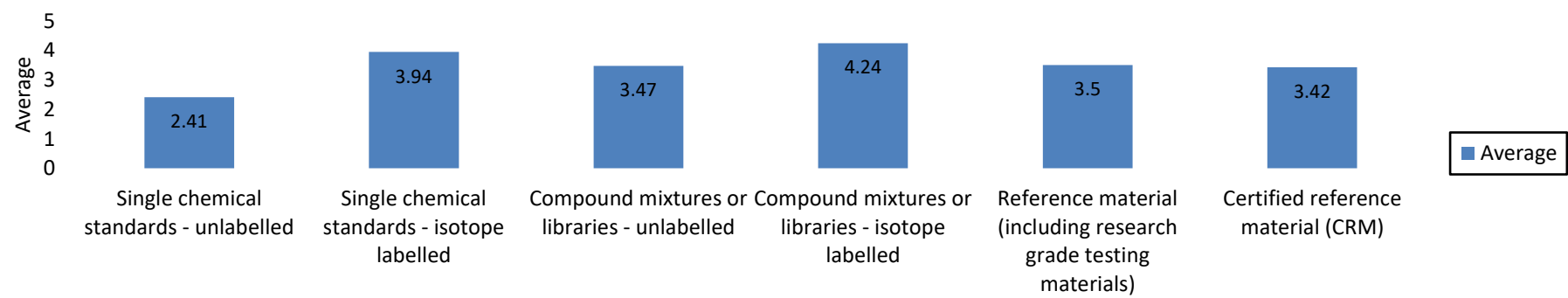
Number of participants evaluated: 29 (all participants)

Rate from 1 = cost is no issue to 5 = cost is problematic

Is cost prohibiting you from using chemical standards or reference materials in your metabolomics workflow?



Is cost prohibiting you from using chemical standards or reference materials in your metabolomics workflow? - Durchschnitt



Question 33 - Is cost prohibiting you from using chemical standards or reference materials in your metabolomics workflow?

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

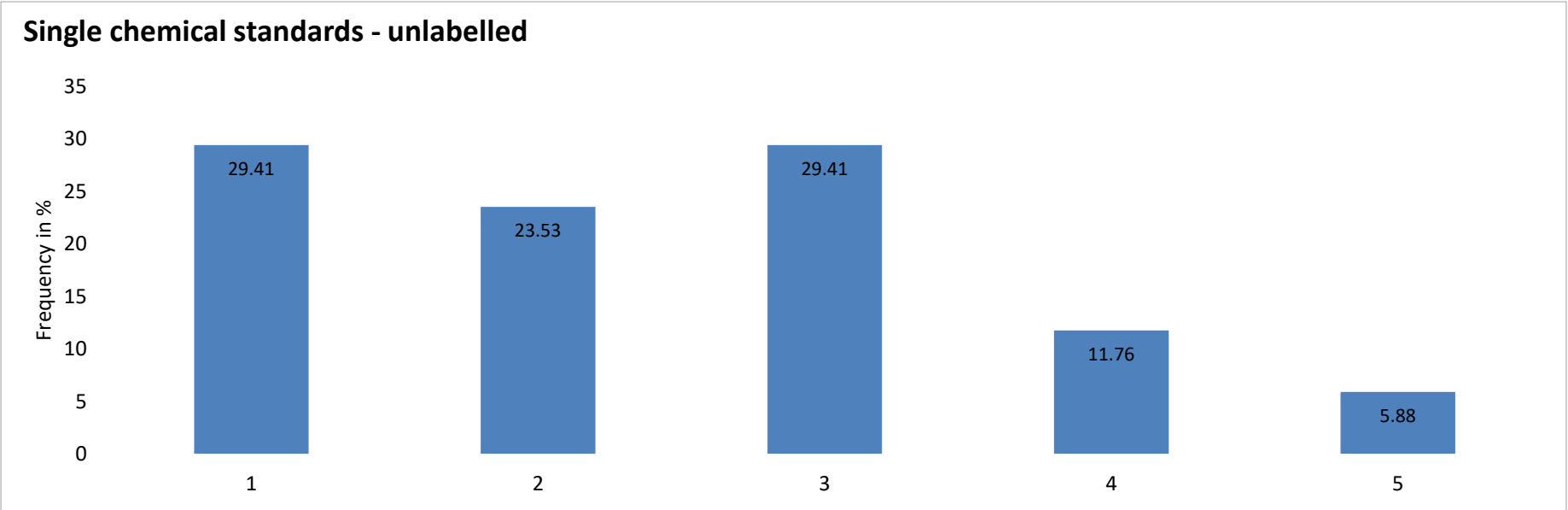
Number of participants evaluated: 29 (all participants)

Detailed results for Single chemical standards - unlabelled

Variable	V189	Number of answers	17
Average	2.41	Median	2
Variance	1.42	Standard deviation	1.19
Smallest Value	1	Highest Value	5

Value/Answer	Number	Frequency
1	5	29.41%
2	4	23.53%
3	5	29.41%
4	2	11.76%
5	1	5.88%
Total	17	58.62%

Rate from 1 = cost is no issue to 5 = cost is problematic



Question 33 - Is cost prohibiting you from using chemical standards or reference materials in your metabolomics workflow?

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

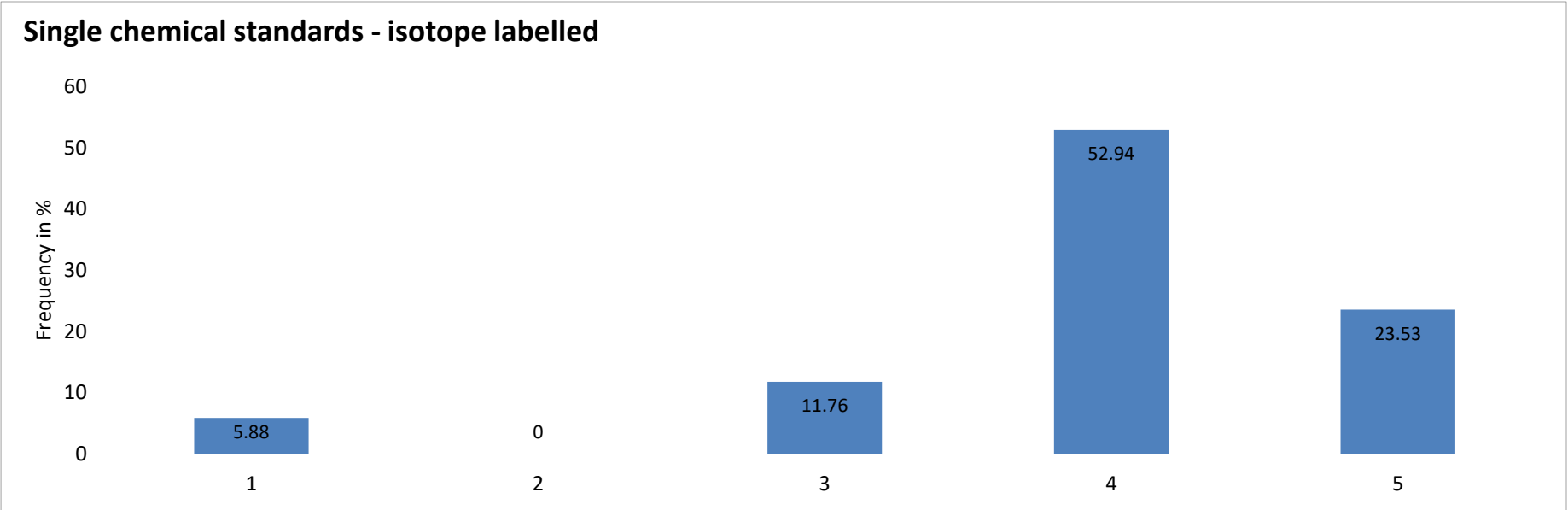
Number of participants evaluated: 29 (all participants)

Detailed results for Single chemical standards - isotope labelled

Variable	V190	Number of answers	16
Average	3.94	Median	4
Variance	0.93	Standard deviation	0.97
Smallest Value	1	Highest Value	5

Value/Answer	Number	Frequency
1	1	5.88%
2	0	0%
3	2	11.76%
4	9	52.94%
5	4	23.53%
Total	16	55.17%

Rate from 1 = cost is no issue to 5 = cost is problematic



Question 33 - Is cost prohibiting you from using chemical standards or reference materials in your metabolomics workflow?

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

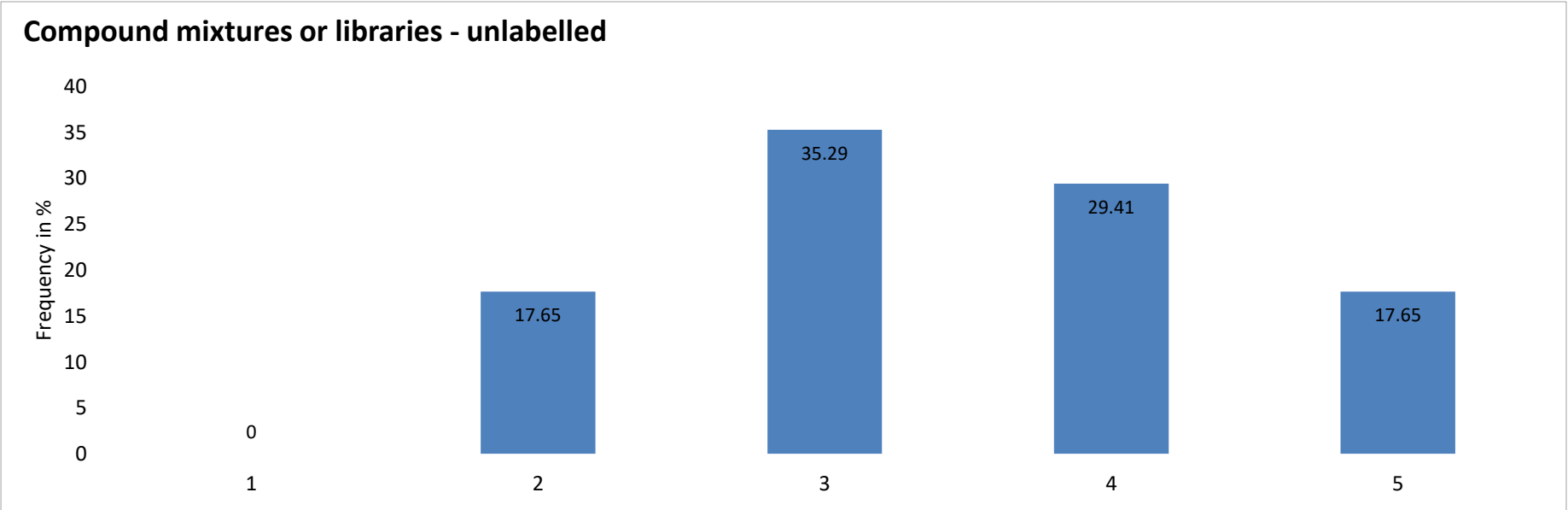
Number of participants evaluated: 29 (all participants)

Detailed results for Compound mixtures or libraries - unlabelled

Variable	V191	Number of answers	17
Average	3.47	Median	3
Variance	0.96	Standard deviation	0.98
Smallest Value	2	Highest Value	5

Value/Answer	Number	Frequency
1	0	0%
2	3	17.65%
3	6	35.29%
4	5	29.41%
5	3	17.65%
Total	17	58.62%

Rate from 1 = cost is no issue to 5 = cost is problematic



Question 33 - Is cost prohibiting you from using chemical standards or reference materials in your metabolomics workflow?

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

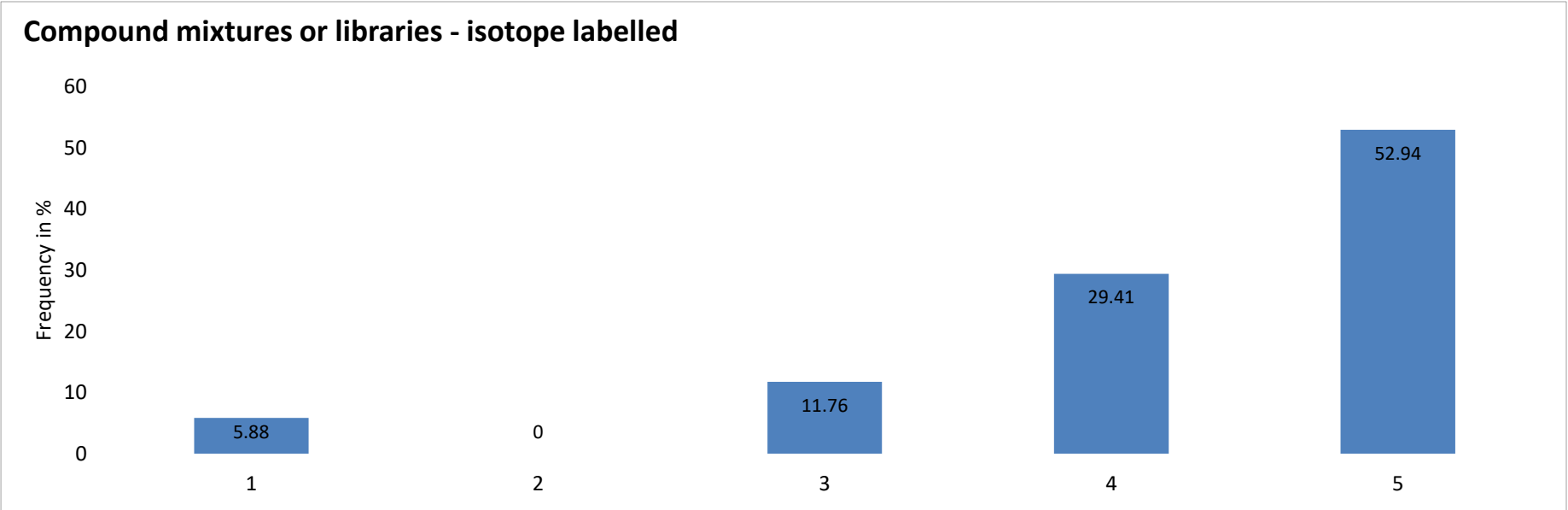
Number of participants evaluated: 29 (all participants)

Detailed results for Compound mixtures or libraries - isotope labelled

Variable	V195	Number of answers	17
Average	4.24	Median	5
Variance	1.12	Standard deviation	1.06
Smallest Value	1	Highest Value	5

Value/Answer	Number	Frequency
1	1	5.88%
2	0	0%
3	2	11.76%
4	5	29.41%
5	9	52.94%
Total	17	58.62%

Rate from 1 = cost is no issue to 5 = cost is problematic



Question 33 - Is cost prohibiting you from using chemical standards or reference materials in your metabolomics workflow?

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

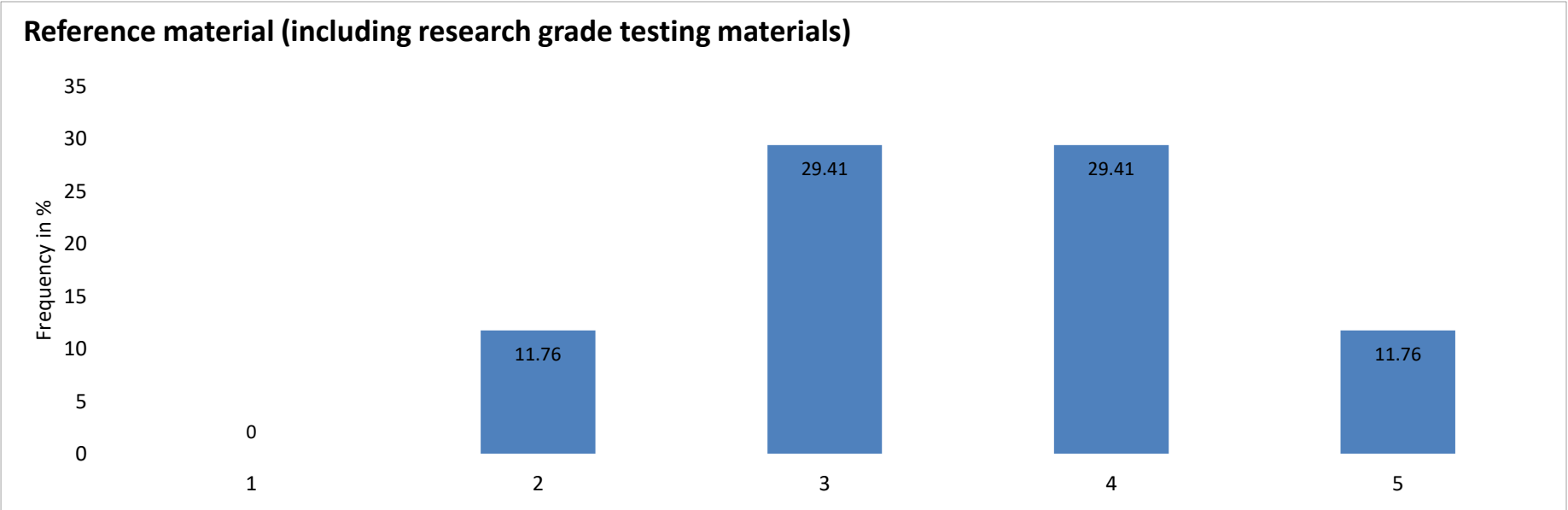
Number of participants evaluated: 29 (all participants)

Detailed results for Reference material (including research grade testing materials)

Variable	V196	Number of answers	14
Average	3.50	Median	3.50
Variance	0.82	Standard deviation	0.91
Smallest Value	2	Highest Value	5

Value/Answer	Number	Frequency
1	0	0%
2	2	11.76%
3	5	29.41%
4	5	29.41%
5	2	11.76%
Total	14	48.28%

Rate from 1 = cost is no issue to 5 = cost is problematic



Question 33 - Is cost prohibiting you from using chemical standards or reference materials in your metabolomics workflow?

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

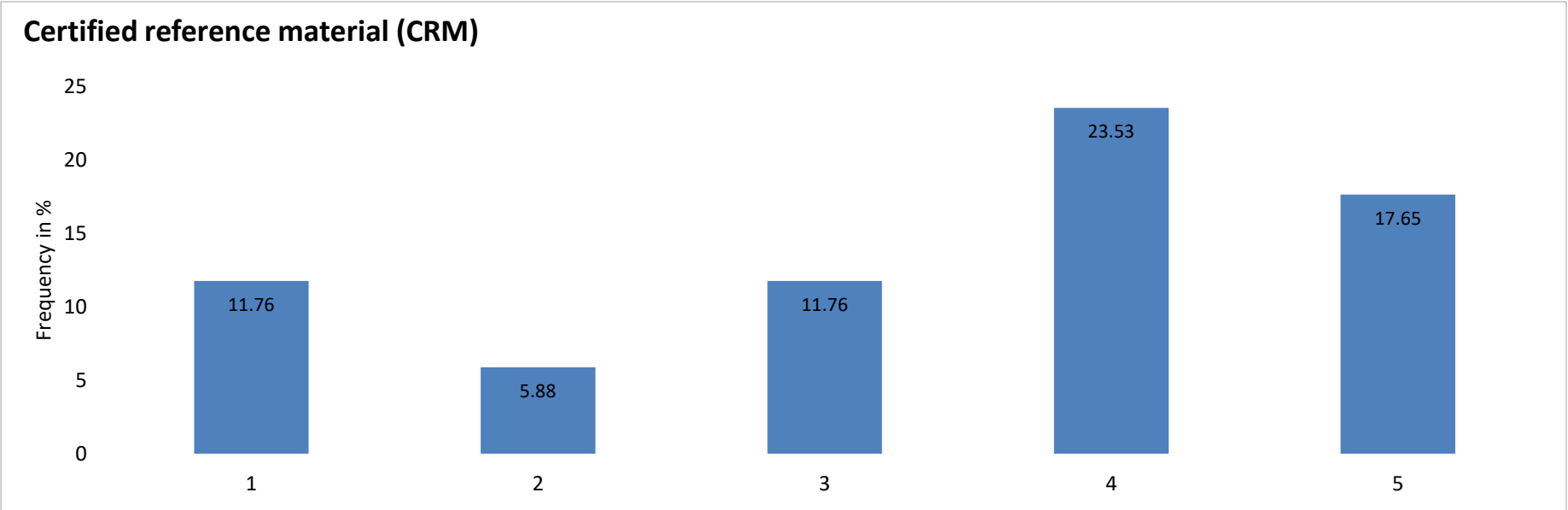
Number of participants evaluated: 29 (all participants)

Detailed results for Certified reference material (CRM)

Variable	V197	Number of answers	12
Average	3.42	Median	4
Variance	1.91	Standard deviation	1.38
Smallest Value	1	Highest Value	5

Value/Answer	Number	Frequency
1	2	11.76%
2	1	5.88%
3	2	11.76%
4	4	23.53%
5	3	17.65%
Total	12	41.38%

Rate from 1 = cost is no issue to 5 = cost is problematic



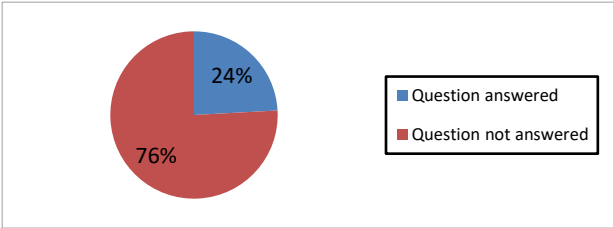
Question 34 - Are there particular standard mixtures or reference materials that you are interested in?

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	22	75.86%
Question answered	7	24.14%
Question not answered	22	75.86%



Detailed results for (1)

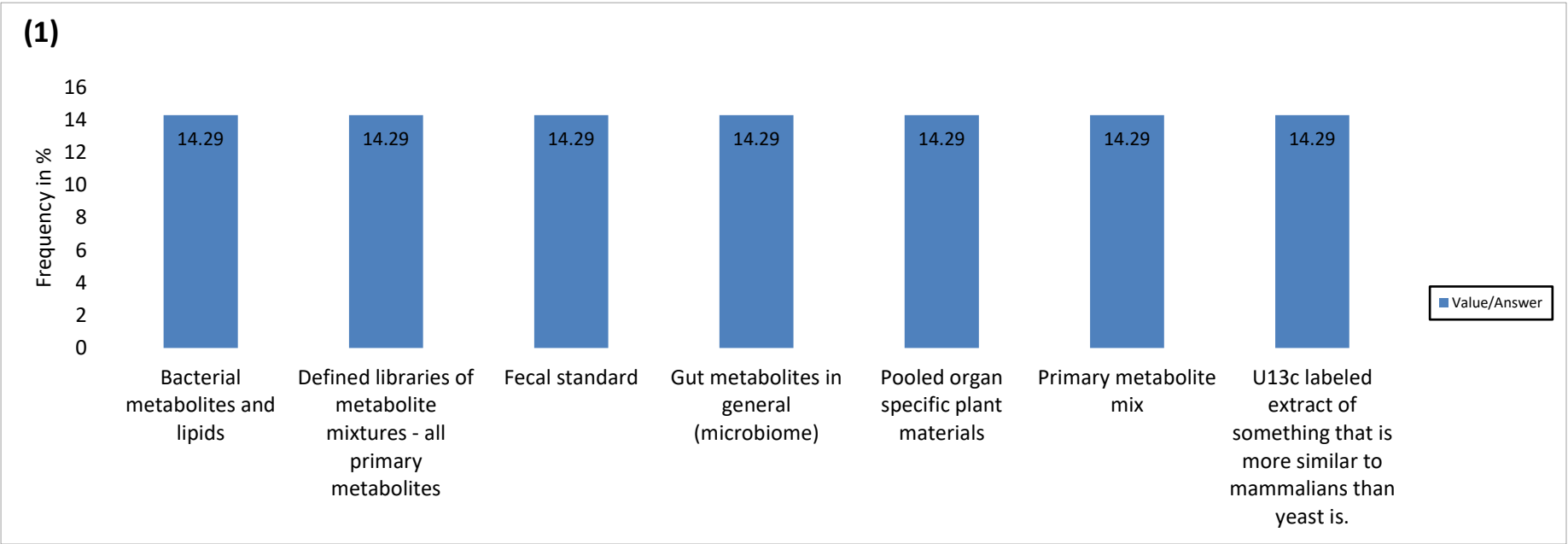
Number Answers	7	Number unique	7
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Value/Answer	Number	Frequency
Bacterial metabolites and lipids	1	14.29%
Defined libraries of metabolite mixtures - all primary metabolites	1	14.29%
Fecal standard	1	14.29%
Gut metabolites in general (microbiome)	1	14.29%
Pooled organ specific plant materials	1	14.29%
Primary metabolite mix	1	14.29%
U13c labeled extract of something that is more similar to mammals than yeast is.	1	14.29%
Total	7	100%

Question 34 - Are there particular standard mixtures or reference materials that you are interested in?

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)



Question 34 - Are there particular standard mixtures or reference materials that you are interested in?

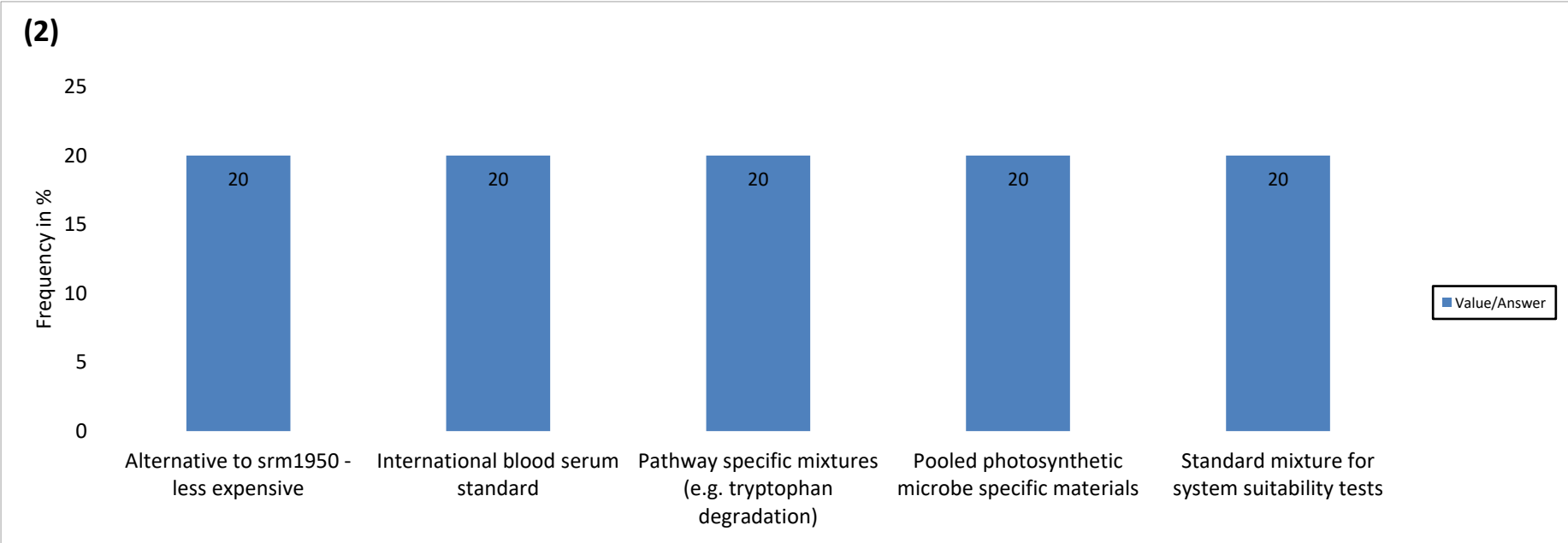
Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for (2)

Number Answers	5	Number unique	5
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Value/Answer	Number	Frequency
Alternative to srm1950 - less expensive	1	20%
International blood serum standard	1	20%
Pathway specific mixtures (e.g. tryptophan degradation)	1	20%
Pooled photosynthetic microbe specific materials	1	20%
Standard mixture for system suitability tests	1	20%
Total	5	100%



Question 34 - Are there particular standard mixtures or reference materials that you are interested in?

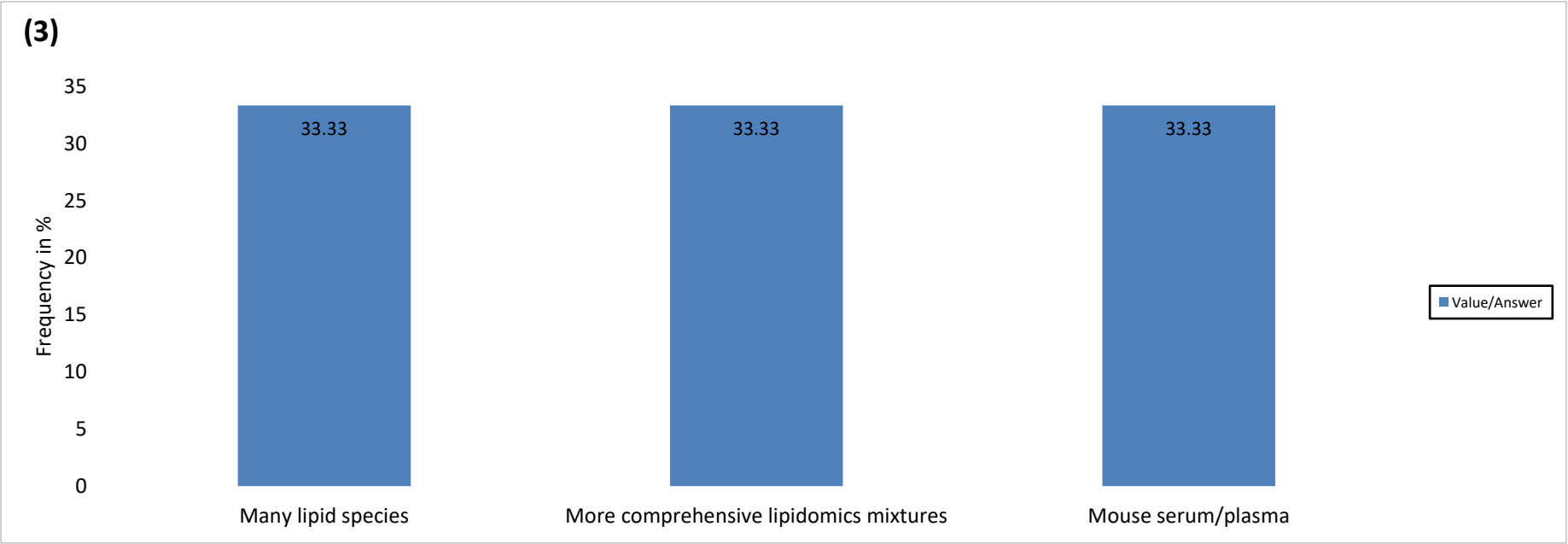
Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for (3)

Number Answers	3	Number unique	3
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Value/Answer	Number	Frequency
Many lipid species	1	33.33%
More comprehensive lipidomics mixtures	1	33.33%
Mouse serum/plasma	1	33.33%
Total	3	100%



Question 34 - Are there particular standard mixtures or reference materials that you are interested in?

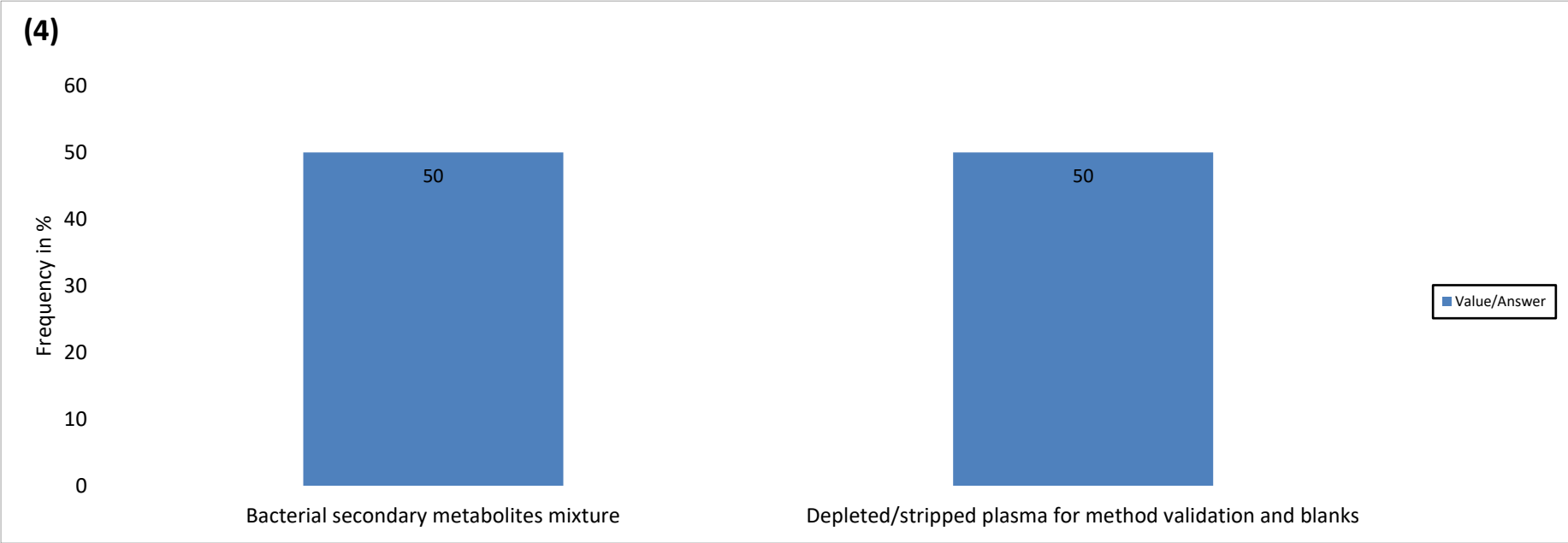
Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for (4)

Number Answers	2	Number unique	2
----------------	---	---------------	---

Value/Answer	Number	Frequency
Bacterial secondary metabolites mixture	1	50%
Depleted/stripped plasma for method validation and blanks	1	50%
Total	2	100%



Question 34 - Are there particular standard mixtures or reference materials that you are interested in?

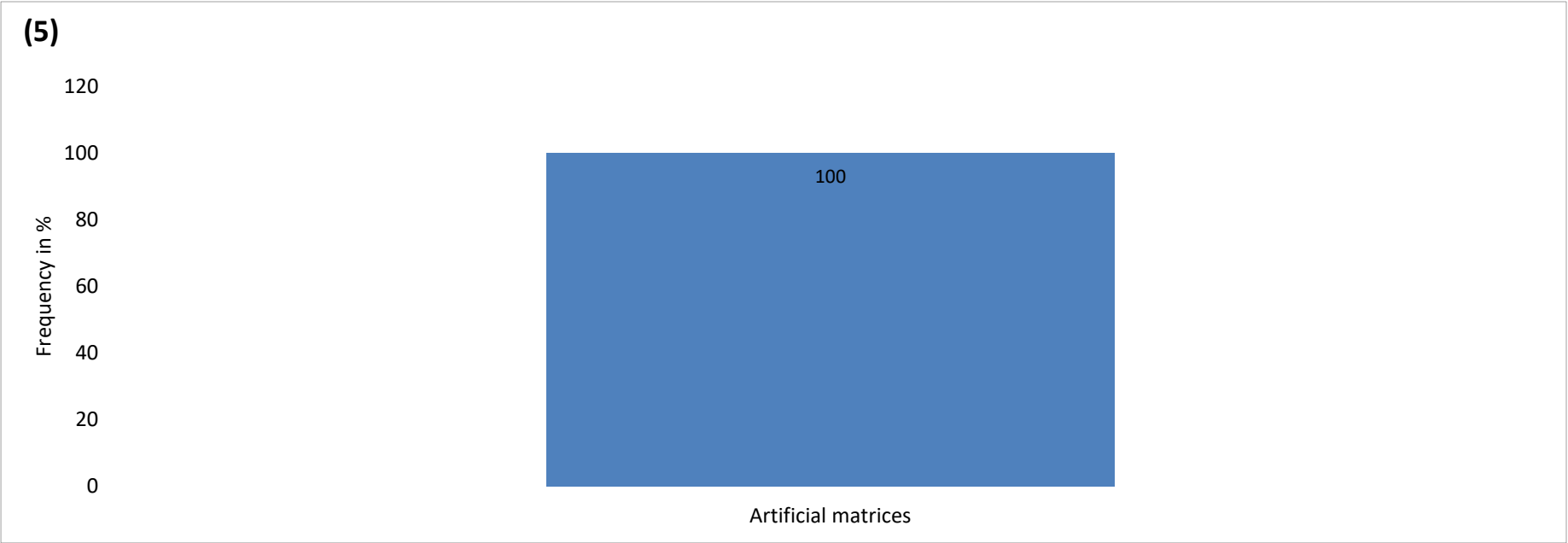
Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for (5)

Number Answers	1	Number unique	1
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Value/Answer	Number	Frequency
Artificial matrices	1	100%
Total	1	100%



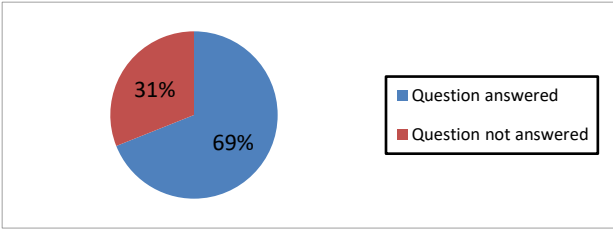
Question 35 - Ring Trial Participation

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

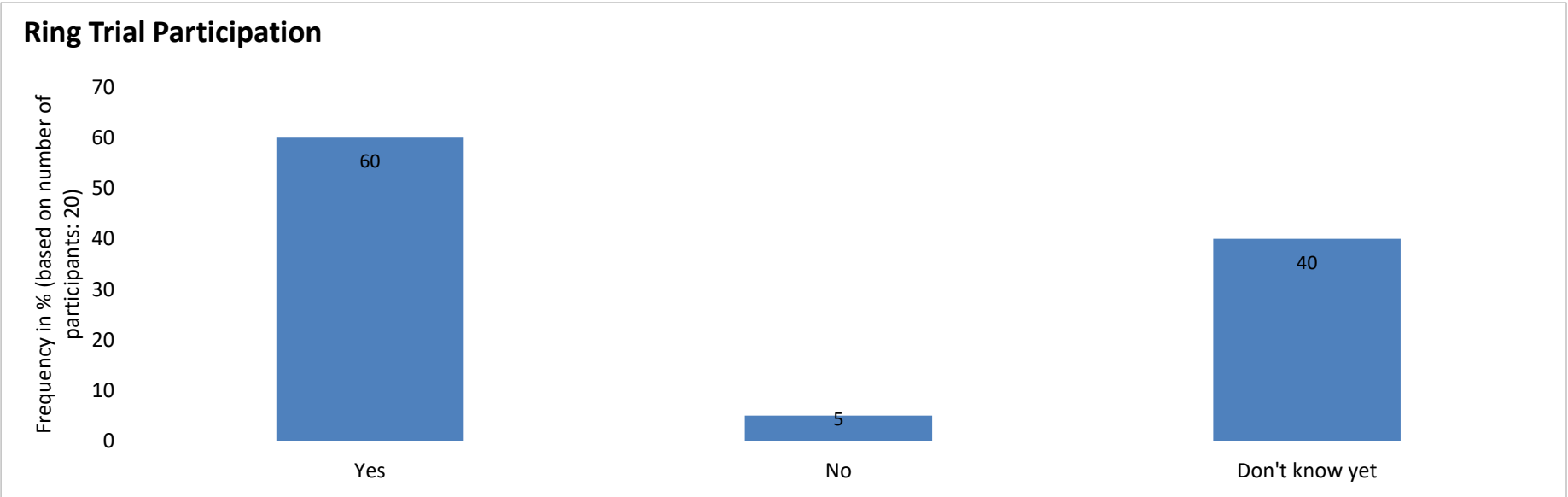
Status data

of 29 participants	Number	Percent
Question seen	21	72.41%
Question answered	20	68.97%
Question not answered	9	31.03%



Results

Options	Variable	Code	Number	Frequency by participant	Frequency by answers
Yes	V192	1	12	60%	57.14%
No	V193	1	1	5%	4.76%
Don't know yet	V194	1	8	40%	38.10%
Total			21 Answers	20 Participants	



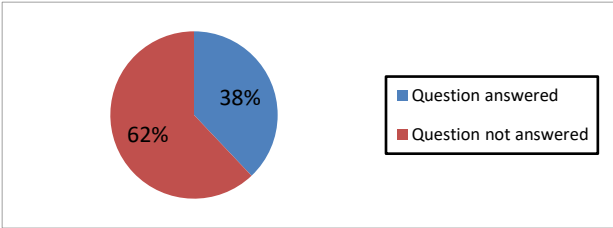
Question 36 - Motivation

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	12	41.38%
Question answered	11	37.93%
Question not answered	18	62.07%



Detailed results for (1)

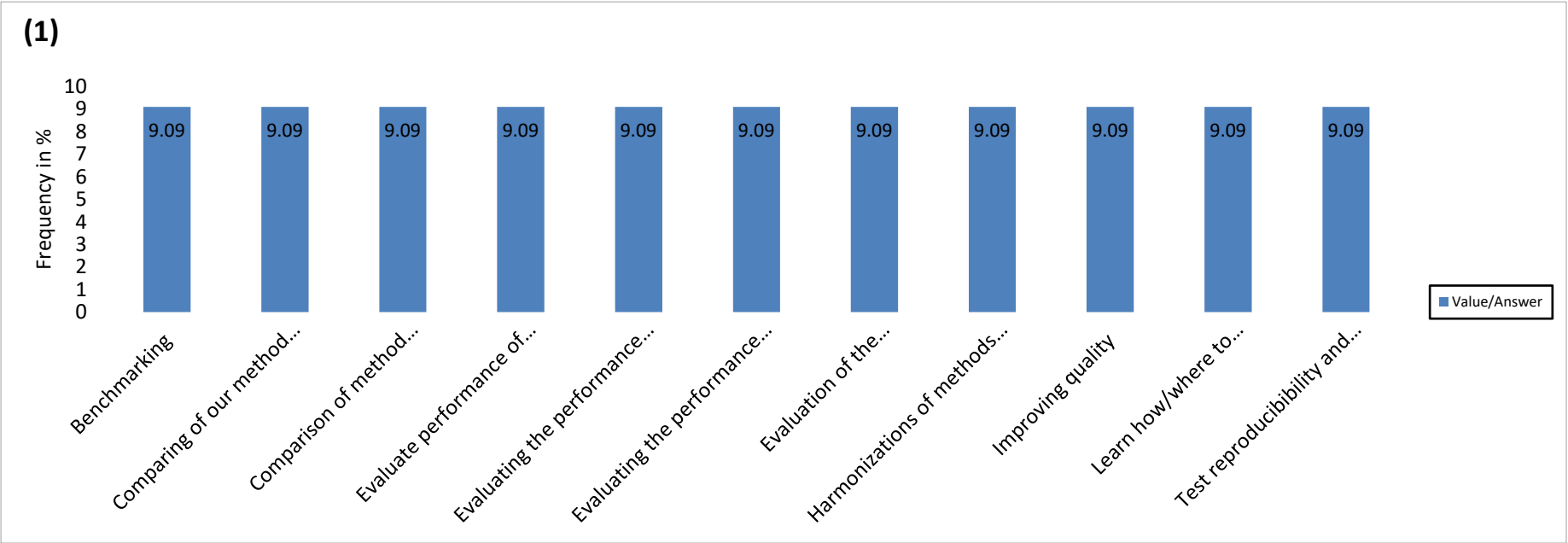
Number Answers	11	Number unique	11
----------------	----	---------------	----

Value/Answer	Number	Frequency
Benchmarking	1	9.09%
Comparing of our method with other ones	1	9.09%
Comparison of method performance	1	9.09%
Evaluate performance of own machines and methods	1	9.09%
Evaluating the performance of own analytical methods	1	9.09%
Evaluating the performance of own methods	1	9.09%
Evaluation of the performance of own developed methods	1	9.09%
Harmonizations of methods to yield comparable results	1	9.09%
Improving quality	1	9.09%
Learn how/where to improve my own methods	1	9.09%
Test reproducibility and applicability of our analytical data	1	9.09%
Total	11	100%

Question 36 - Motivation

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)



Question 36 - Motivation

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for (2)

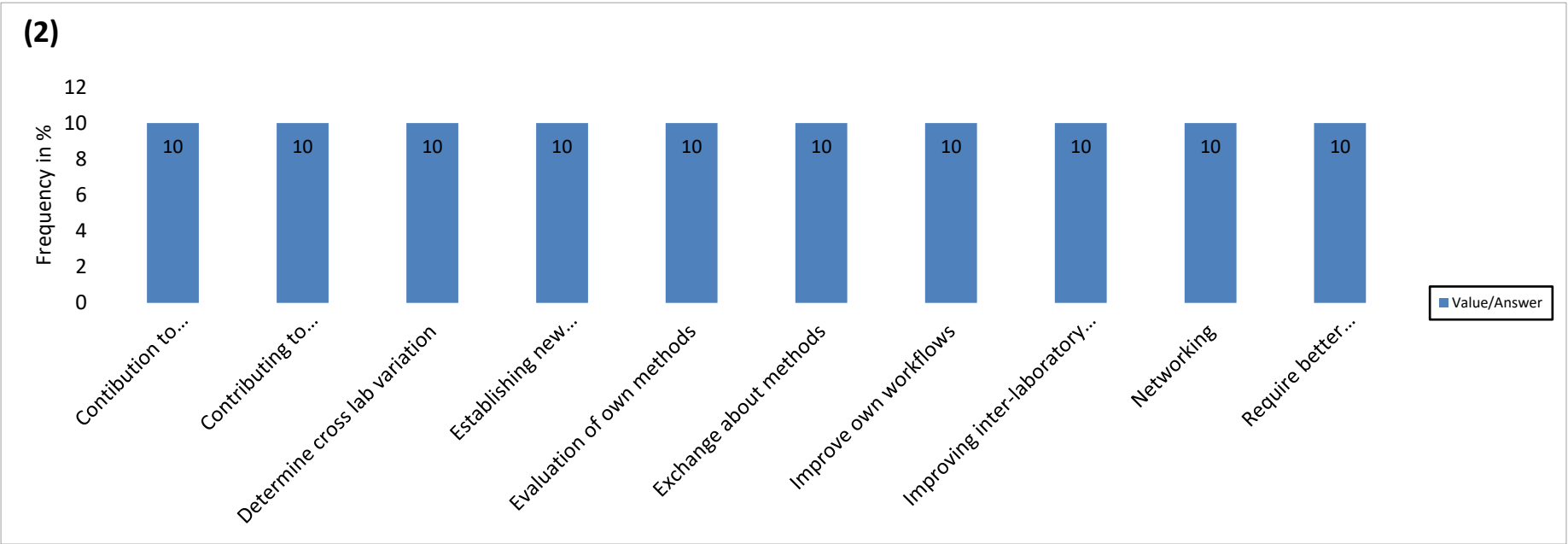
Number Answers	10	Number unique	10
----------------	----	---------------	----

Value/Answer	Number	Frequency
Contibution to standardization and harmonization	1	10%
Contributing to harmonization	1	10%
Determine cross lab variation	1	10%
Establishing new cooperations	1	10%
Evaluation of own methods	1	10%
Exchange about methods	1	10%
Improve own workflows	1	10%
Improving inter-laboratory comparability of data	1	10%
Networking	1	10%
Require better interlaboratory comparability	1	10%
Total	10	100%

Question 36 - Motivation

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)



Question 36 - Motivation

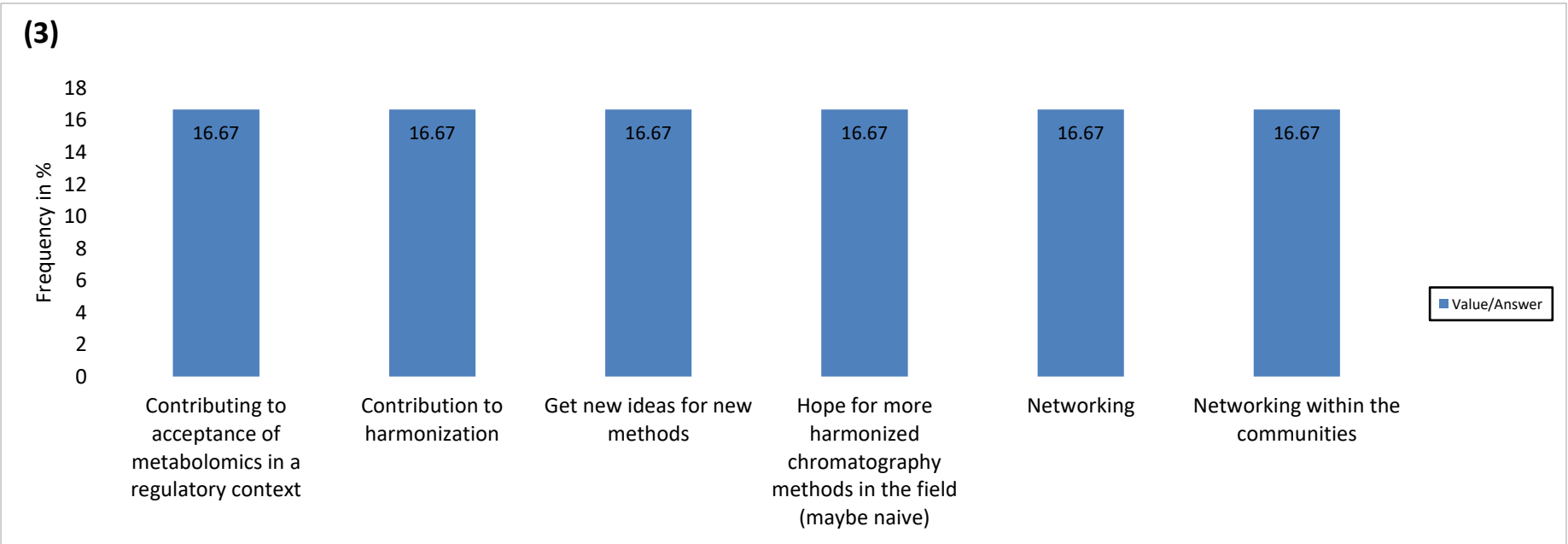
Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Detailed results for (3)

Number Answers	6Number unique	6
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Value/Answer	Number	Frequency
Contributing to acceptance of metabolomics in a regulatory context	1	16.67%
Contribution to harmonization	1	16.67%
Get new ideas for new methods	1	16.67%
Hope for more harmonized chromatography methods in the field (maybe naive)	1	16.67%
Networking	1	16.67%
Networking within the communities	1	16.67%
Total		6100%



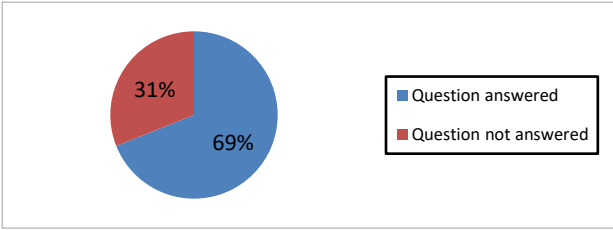
Question 37 - Did you participate in ring trials in the past?

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

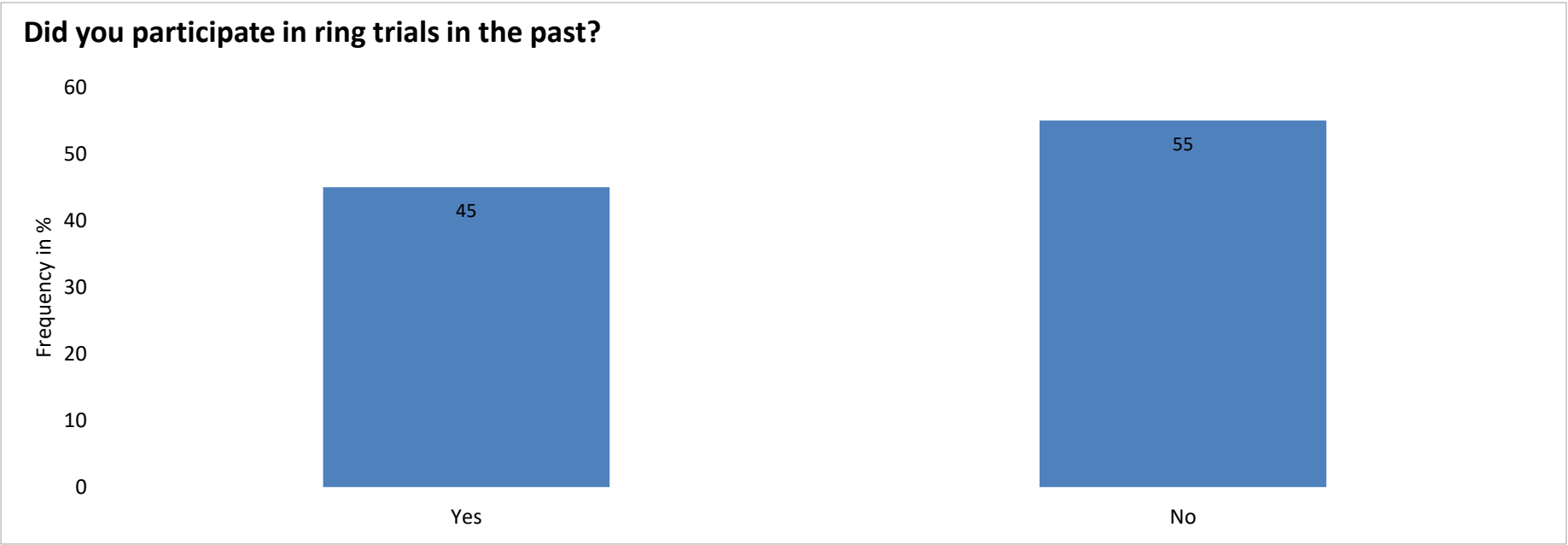
Status data

of 29 participants	Number	Percent
Question seen	21	72.41%
Question answered	20	68.97%
Question not answered	9	31.03%



Results

Options	Variable	Code	Number	Frequency
Yes	V198	1	9	45%
No	V198	2	11	55%
Total			20 Answers	20 Participants



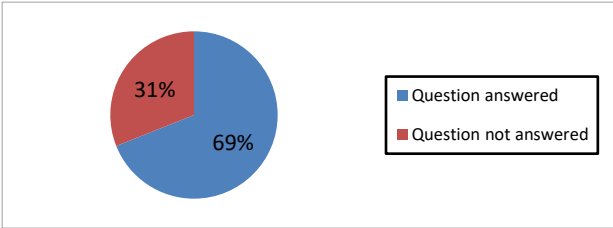
Question 38 - Workshop

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

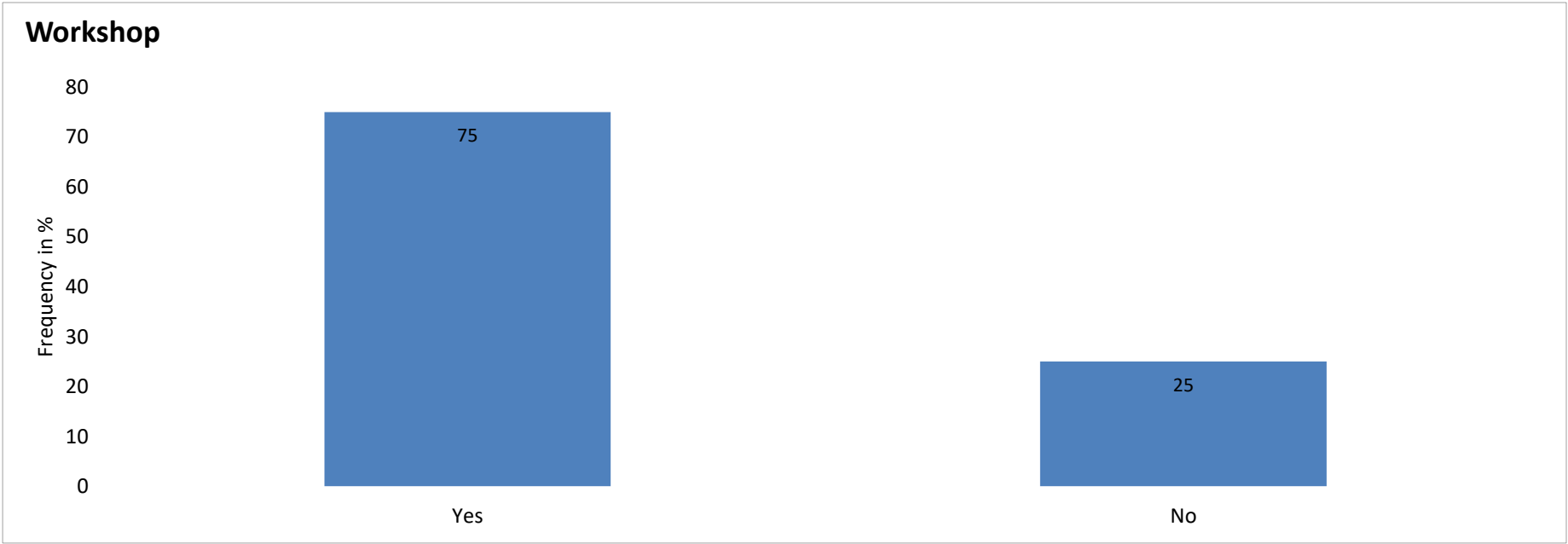
of 29 participants	Number	Percent
Question seen	21	72.41%
Question answered	20	68.97%
Question not answered	9	31.03%



Results

Options	Variable	Code	Number	Frequency
Yes	V202	1	15	75%
No	V202	2	5	25%
Total			20 Answers	20 Participants

Workshop



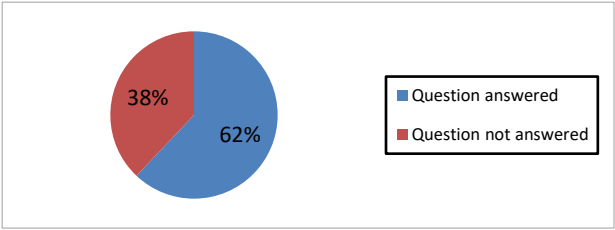
Question 40 - Position of the Contact Person

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

Status data

of 29 participants	Number	Percent
Question seen	21	72.41%
Question answered	18	62.07%
Question not answered	11	37.93%



Results

Options	Variable	Code	Number	Frequency
Group leader	V49	1	10	55.56%
Project leader	V49	2	1	5.56%
(Senior) Scientist	V49	3	6	33.33%
Technician	V49	4	0	0%
Postdoc	V49	5	1	5.56%
Doctoral Student	V49	6	0	0%
Student	V49	7	0	0%
Other	V49	8	0	0%
Total			18 Answers	18 Participants

Question 40 - Position of the Contact Person

Status: July 18, 2024, 13:37, Survey: "DGMet-Survey"

Number of participants evaluated: 29 (all participants)

