



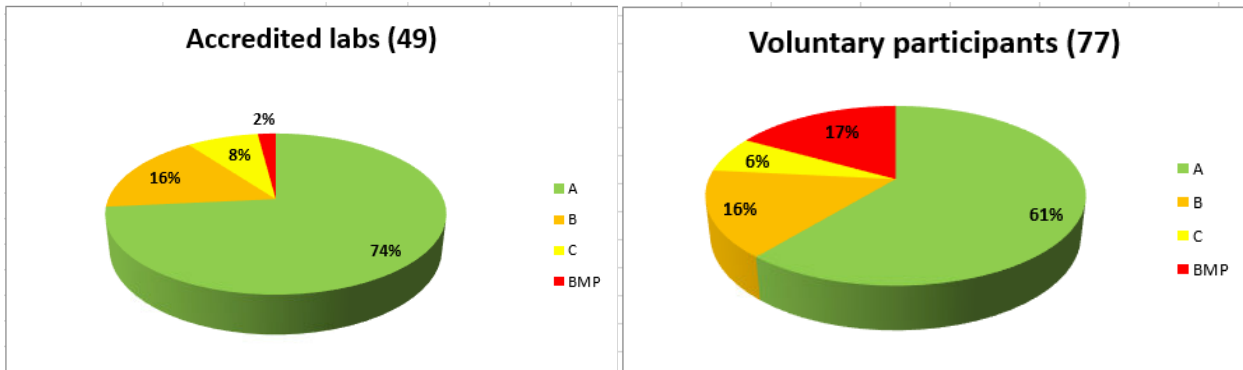
Summary results: PT 24-2 M.lon

Species: *Matthiola longipetala*

Scope: GER

GERMINATION Ratings

Total number of participants = 126



Means and Standard Deviation

of the obligatory accredited participants
calculated for the category of normal seedlings

Categories	Mean Values %			Standard Deviation		
	Lot 1	Lot 2	Lot3	Lot 1	Lot 2	Lot 3
Normal seedlings	79	93	81	4.46	3.70	3.92
Abnormal seedlings	8	4	12	-	-	-
Non-germinated seed	13	3	7	-	-	-

Method used

overview for all participants
presented for the temperature, substrate and pretreatment

Temperature °C	# Users		# Users TOTAL
	Accredited labs	Voluntary participants	
20 ⇄ 30	28	35	63
20	18	29	57
15	3	2	5
25*		1	1

* temperature not in accordance with the ISTA Rules

Substrate	# Users		# Users TOTAL
	Accredited labs	Voluntary participants	
TP	39	67	106
PP	9	5	14
TS*		1	1
BP*		1	1
O*	1		1
TPS*		1	1
Not reported		2	2

*substrates not prescribed in the ISTA Rules

Pretreatment	# Users		# Users TOTAL
	Accredited labs	Voluntary participants	
Prechill	36	60	96
KNO ₃	4	8	12
KNO ₃ and prechill	4	3	7
No Treatment	5	6	11

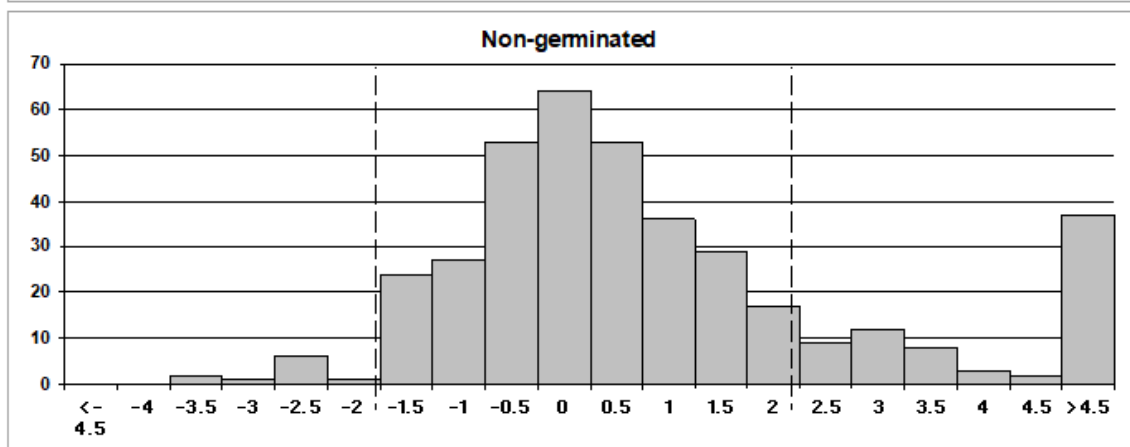
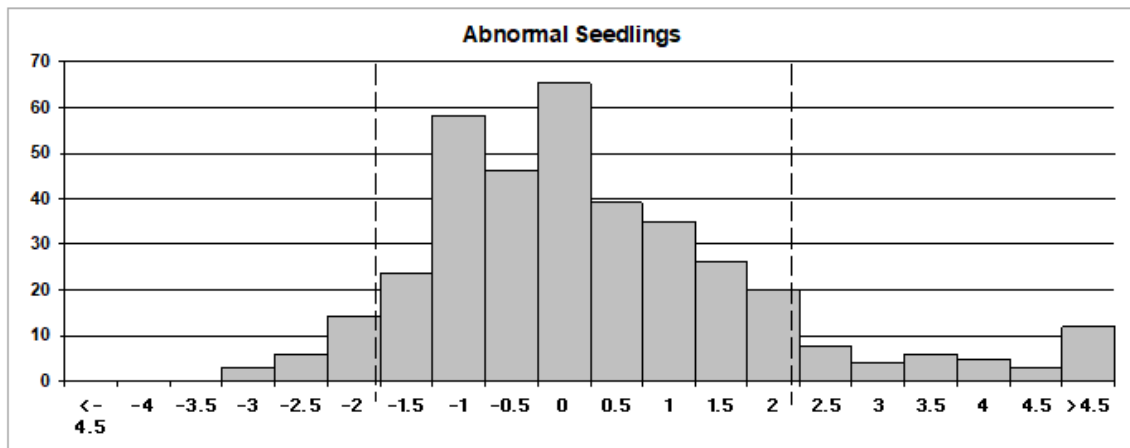
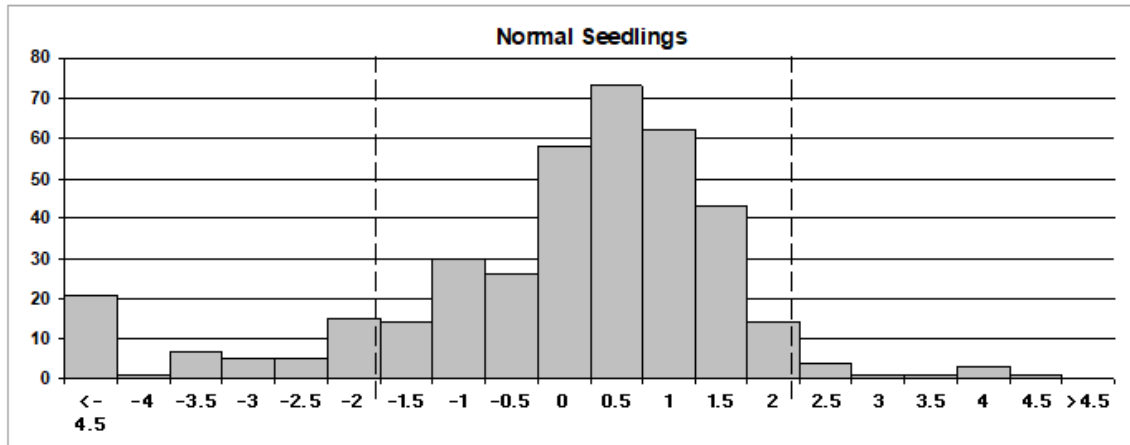
Z-score Distribution

Proficiency Test Report – Test Round 24-2 M.ion

Species : *Matthiola longipetala*

Scope: Germination

The following histograms show the frequency distributions of all participants Z-Scores for the relevant components, i.e. **Normal** and **Abnormal Seedlings** and **Non-germinated Seeds**. The Z-Scores from all three samples are included in each histogram. For further explanations, please refer to the document 'The ISTA Proficiency Test Programme'



SEEDLINGS Lot 1



PT 24-2 *Matthiola longipetala* Lot 1



Abnormal 00/01

5mm

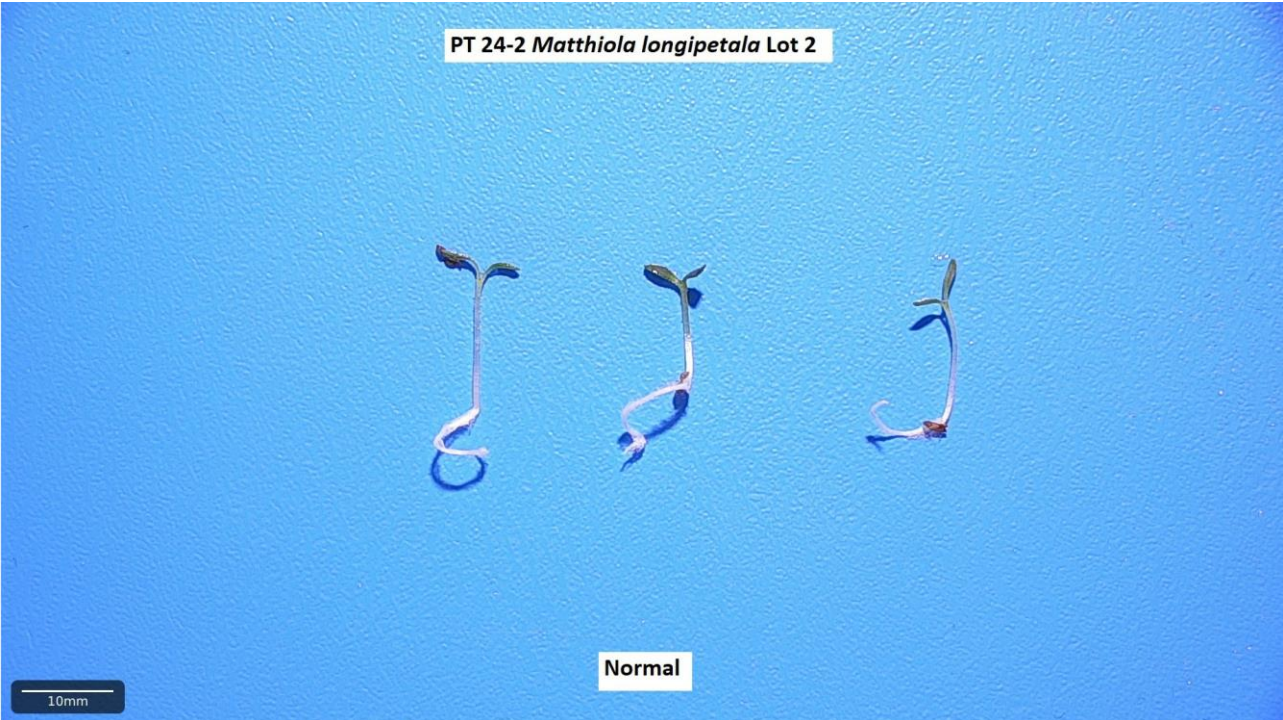
PT 24-2 *Matthiola longipetala* Lot 1



Non-germinated

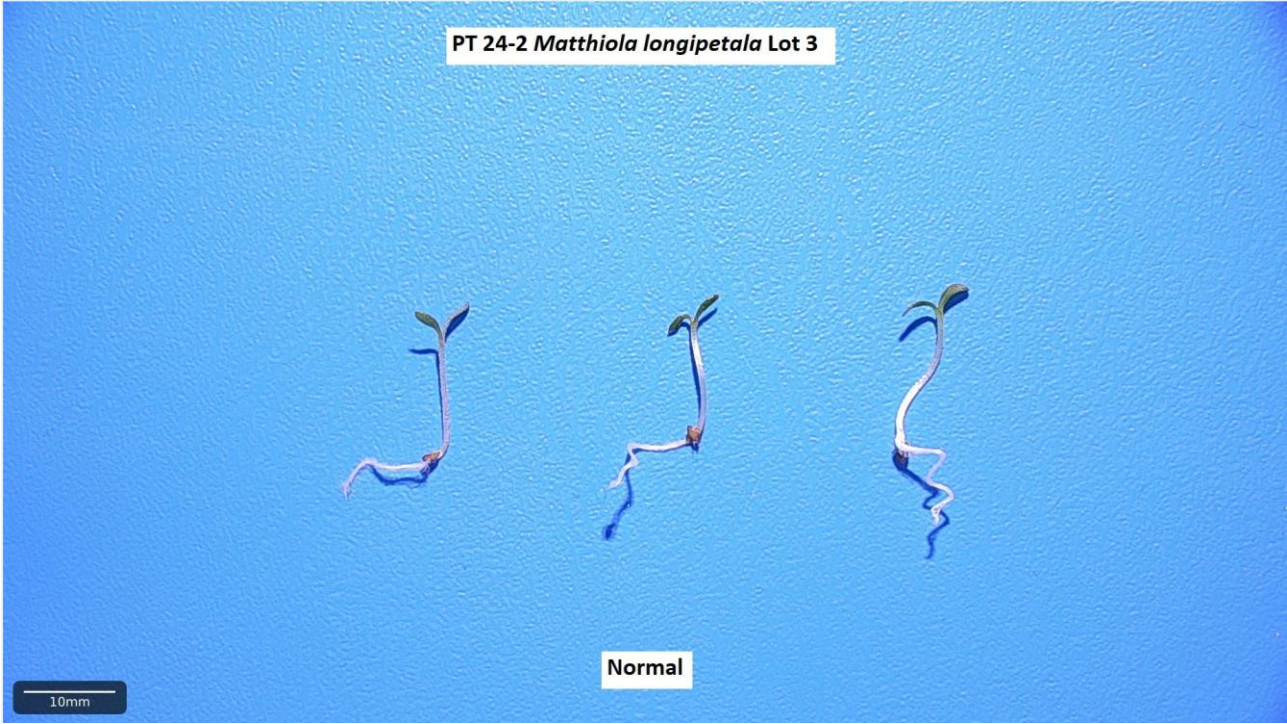
2mm

SEEDLINGS Lot 2





SEEDLINGS Lot 3



PT 24-2 *Matthiola longipetala* Lot 3



Abnormal 00/09

5mm

PT 24-2 *Matthiola longipetala* Lot 3



Abnormal 11/01

5mm

PT 24-2 *Matthiola longipetala* Lot 3



Abnormal 00/01

5mm

PT 24-2 *Matthiola longipetala* Lot 3



Non-germinated

5mm