

**Supplementary File S1 | The quality and quantity of RNA and PCR
amplification curves and melt curves in this study**

1 Total RNA concentration

Cultivar	Dates	Biological replicates	Nucleic acid (ng/μL)	260/280	260/230
‘Hang Baishao’	Oct. 17	h 1-1	421.20	2.10	2.20
		h 1-2	448.10	2.12	1.50
		h 1-3	264.40	2.15	2.16
	Dec. 12	h 2-1	418.00	2.13	1.84
		h 2-2	601.40	2.14	2.22
		h 2-3	625.40	2.13	0.98
	Jan. 09	h 3-1	326.80	2.16	0.82
		h 3-2	402.60	2.12	2.20
		h 3-3	340.10	2.14	1.62
	Jan. 23	h 4-1	441.80	2.09	2.15
		h 4-2	400.70	2.13	1.22
		h 4-3	487.00	2.08	2.01
	Feb. 27	h 5-1	939.90	2.13	2.35
		h 5-2	868.80	2.14	2.37
		h 5-3	934.50	2.14	2.00
‘Zhuguang’	Oct. 17	z 1-1	121.60	2.06	1.37
		z 1-2	280.10	2.13	1.13
		z 1-3	131.90	2.07	1.22
	Dec. 12	z 2-1	281.00	2.15	0.95
		z 2-2	364.00	2.14	1.32
		z 2-3	552.70	2.14	2.22
	Jan. 09	z 3-1	566.80	2.17	1.95
		z 3-2	716.70	2.17	2.01
		z 3-3	891.70	2.17	1.46
	Jan. 23	z 4-1	887.50	2.16	1.42
		z 4-2	702.90	2.13	2.22
		z 4-3	652.00	2.14	1.49
	Feb. 27	z 5-1	867.50	1.95	1.25
		z 5-2	1014.20	2.15	2.06
		z 5-2	738.60	2.16	1.99

2 Integrity of RNA in the buds of ‘Hang Baishao’ and ‘Zhuguang’

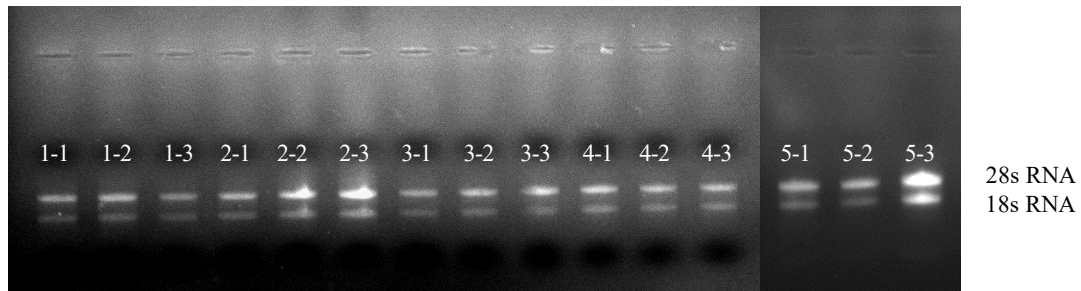


Figure. 1 | RNA extraction in the buds of ‘Hang Baishao’. RNA ladders from left to right represent three biological replicates of the five move dates, respectively.

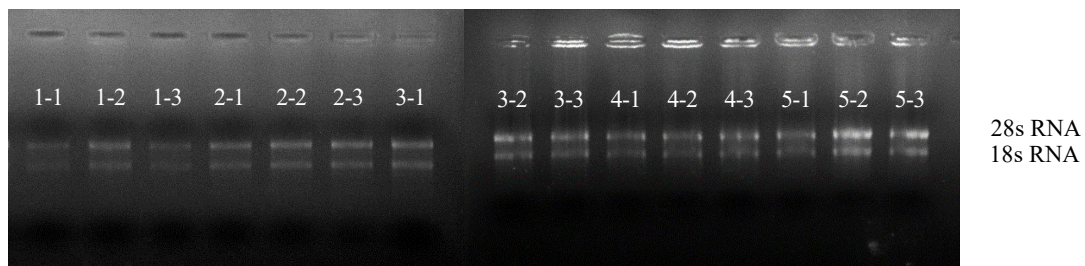


Figure. 2 | RNA extraction in the buds of ‘Zhuguang’. RNA ladders from left to right represent three biological replicates of the five move dates, respectively.

3 The validity of the reference gene *ATUBA*

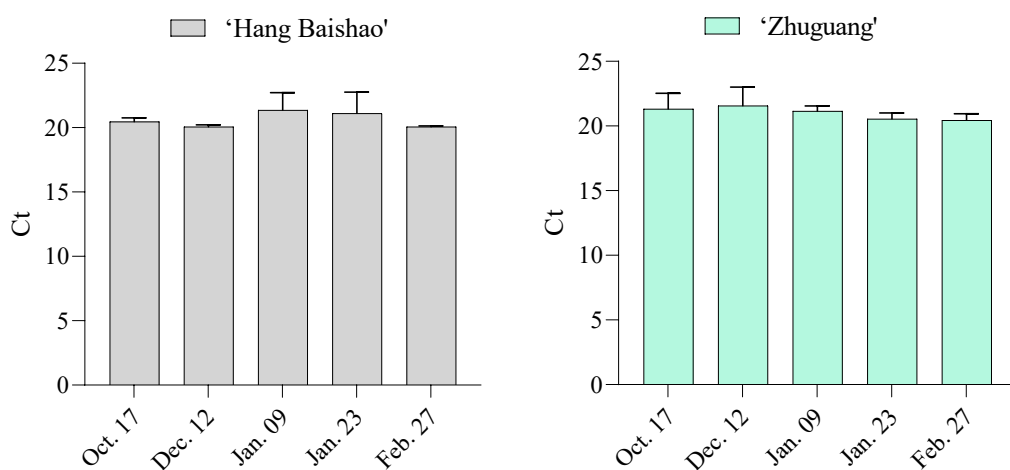
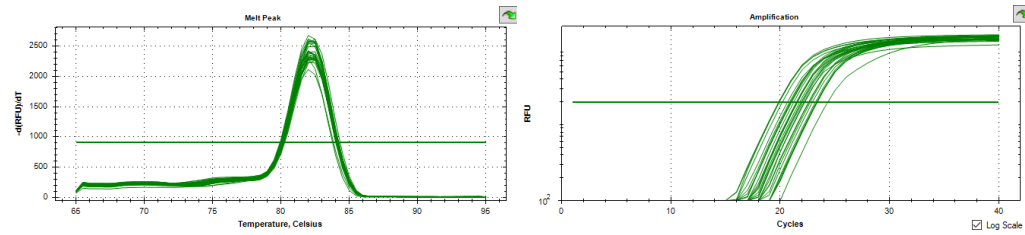


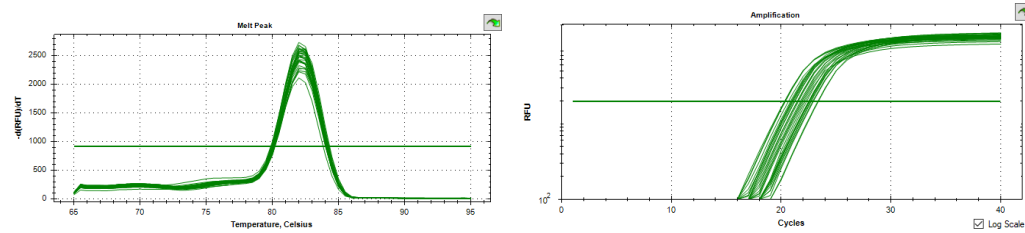
Figure. 3 | Threshold Cycles (Cts) of *ATUBA* in the buds of ‘Hang Baishao’ and ‘Zhuguang’ during the winter of 2018-2019. Values are means $\pm$ standard deviation (SD) of three biological replicates.

4 PCR amplification curves and melt curves of each pair of primer in this study.

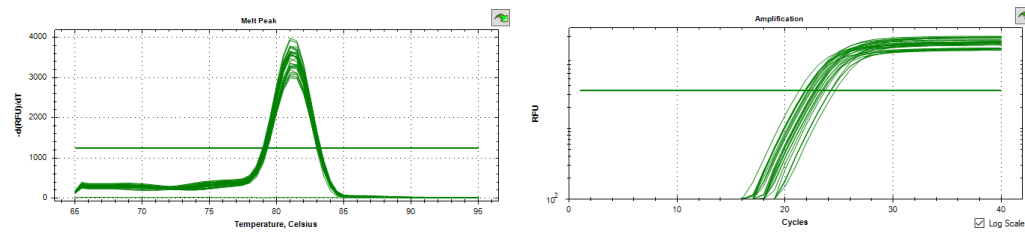
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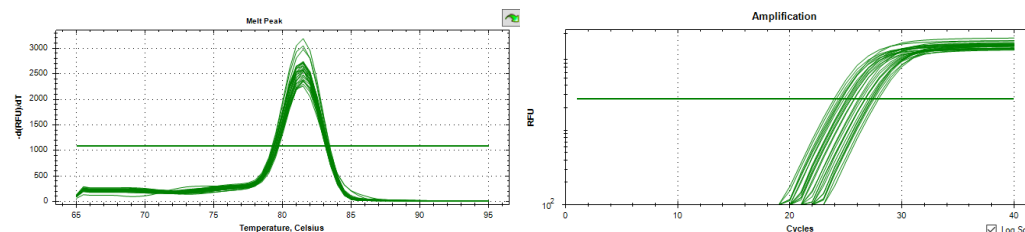
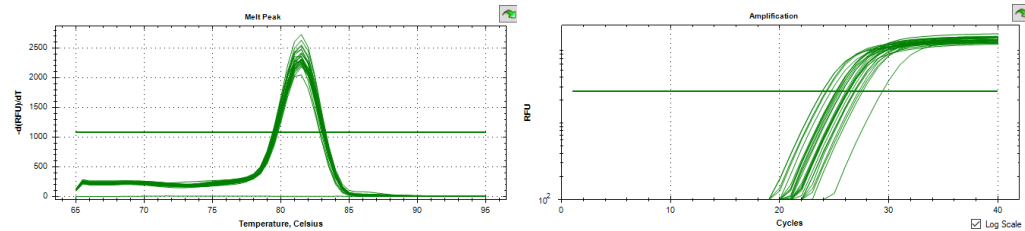
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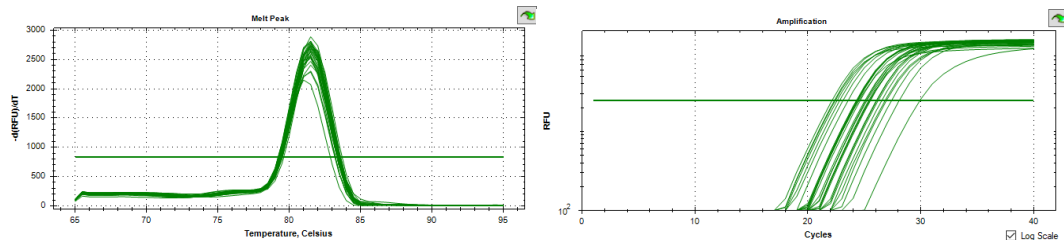
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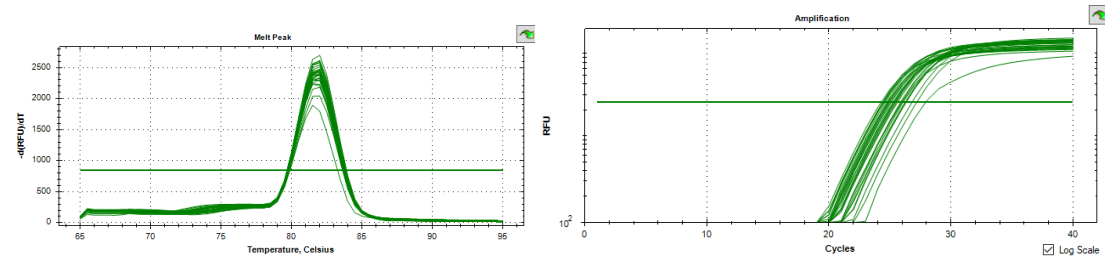
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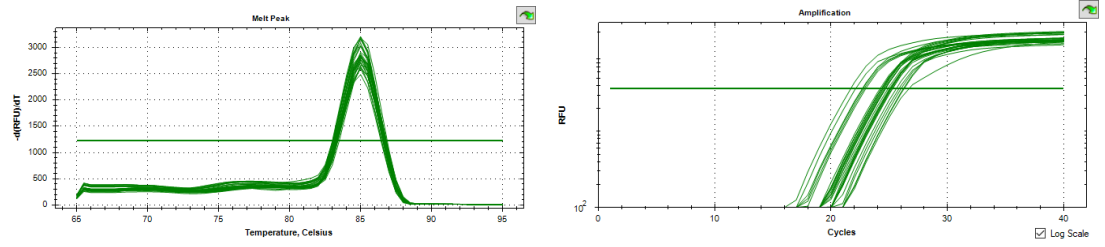
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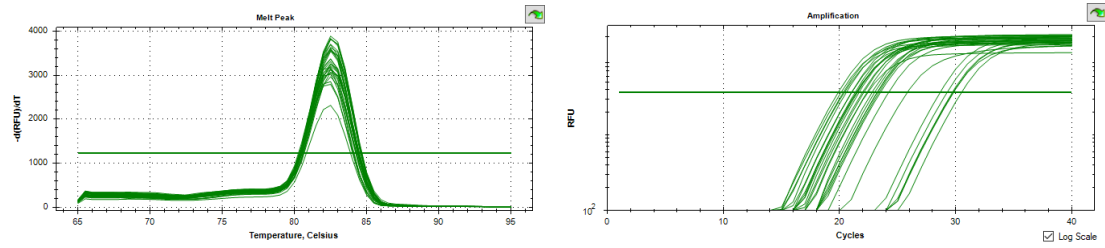
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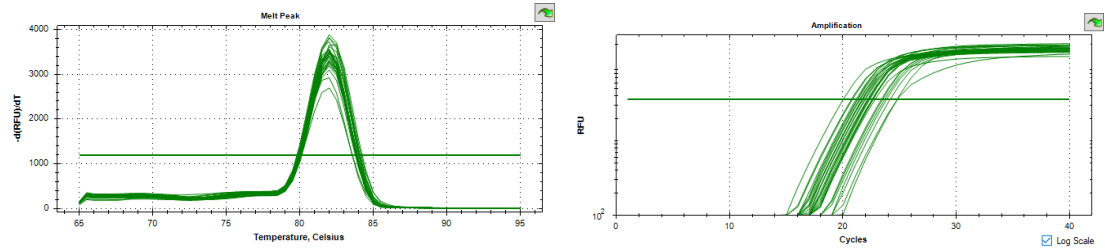
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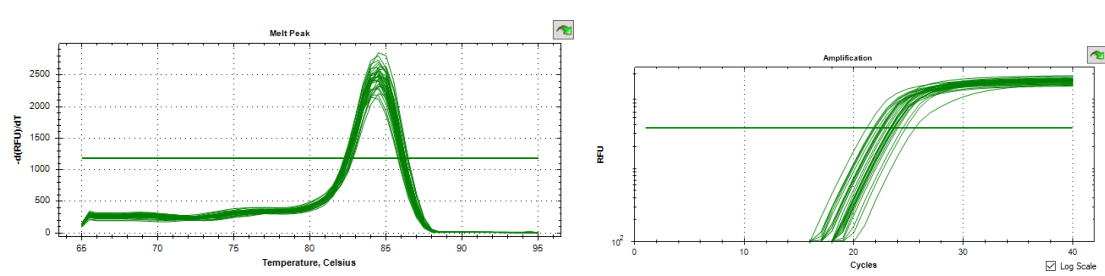
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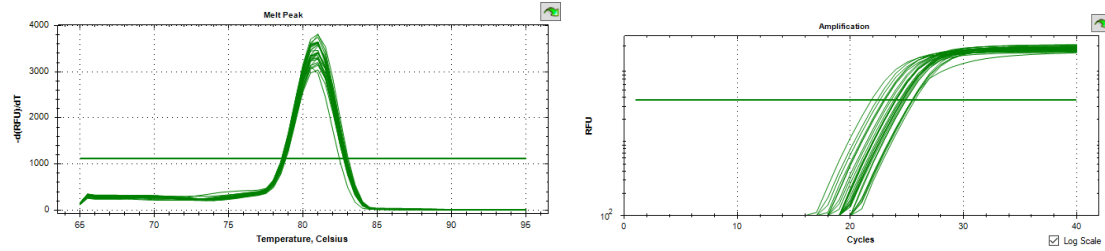
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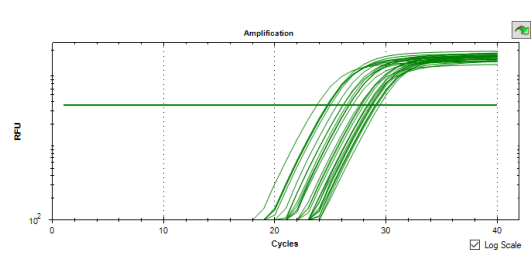
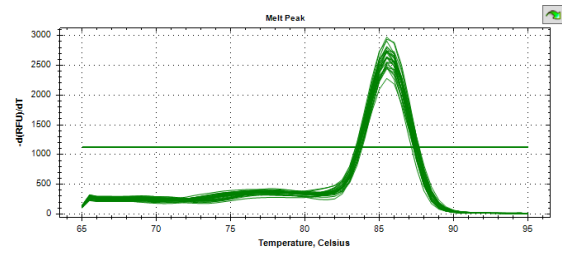
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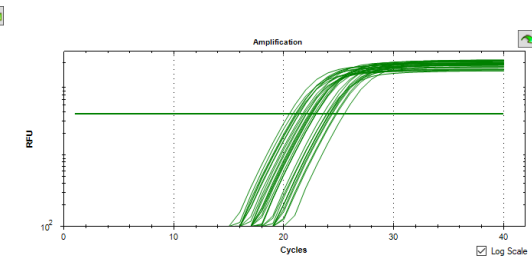
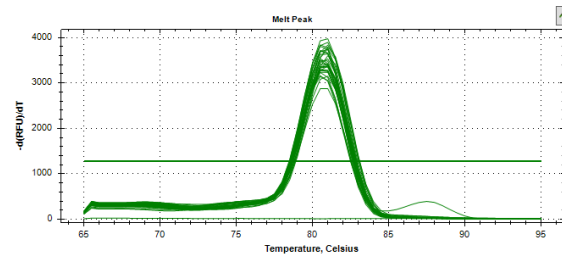
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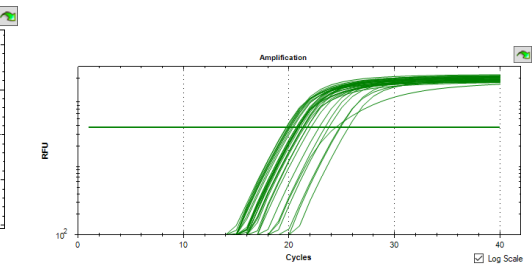
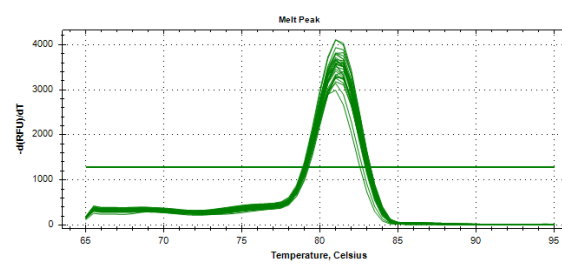
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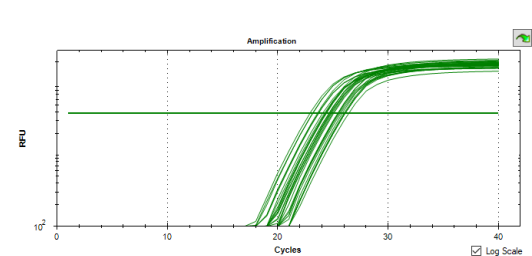
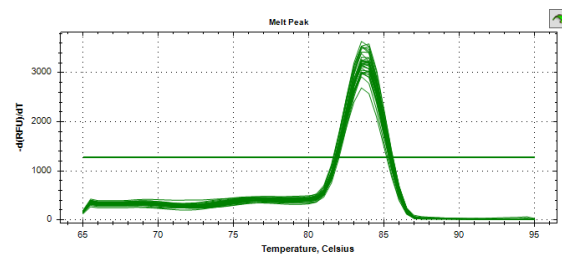
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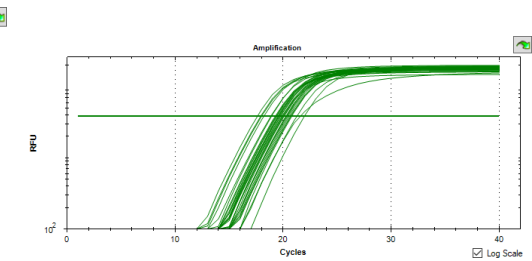
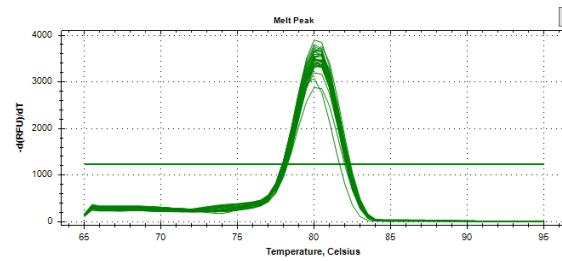
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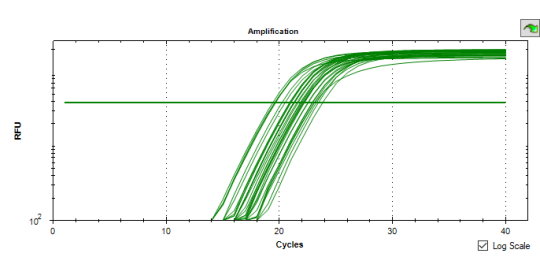
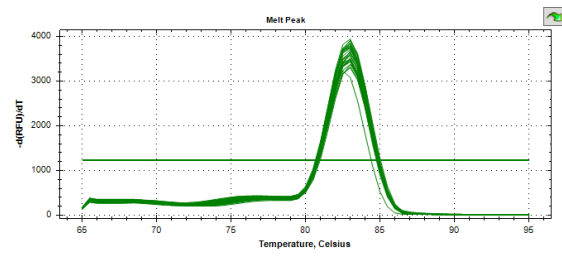
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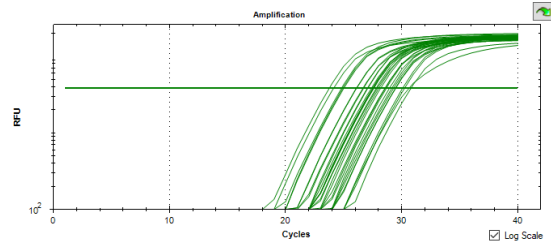
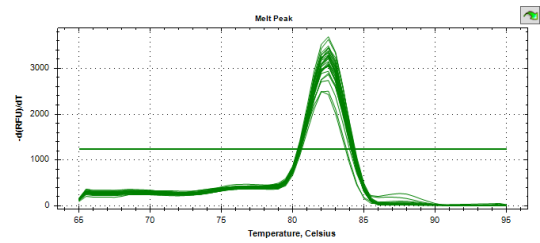
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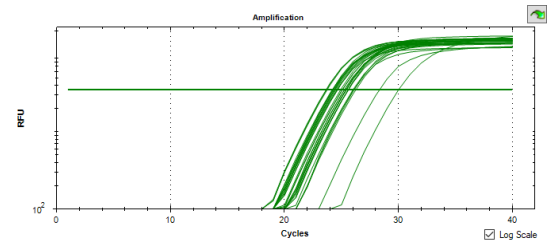
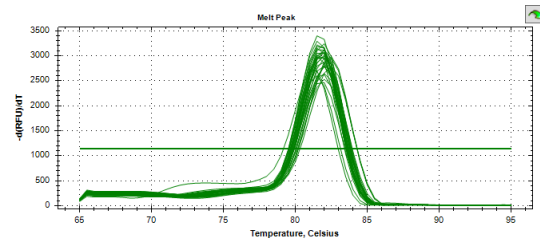
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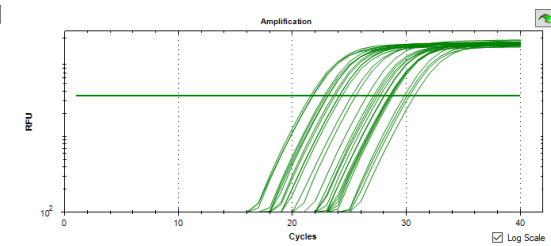
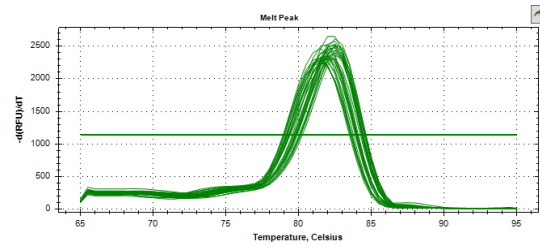
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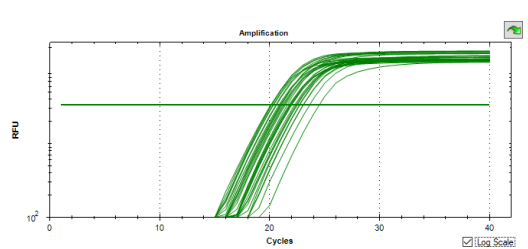
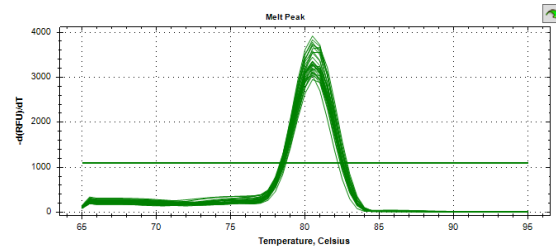
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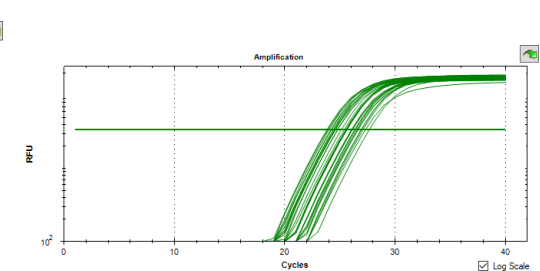
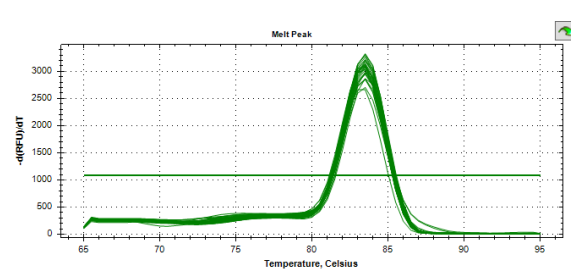
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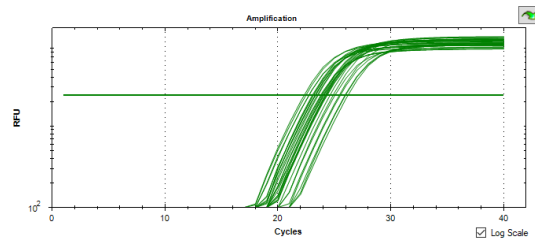
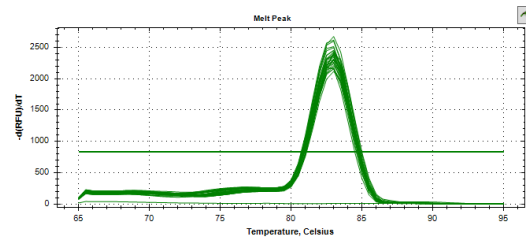
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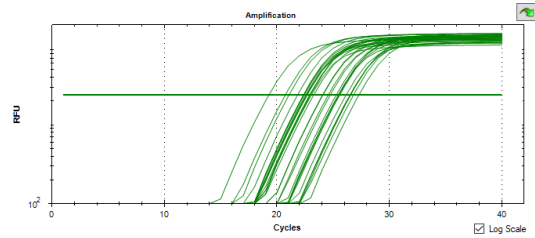
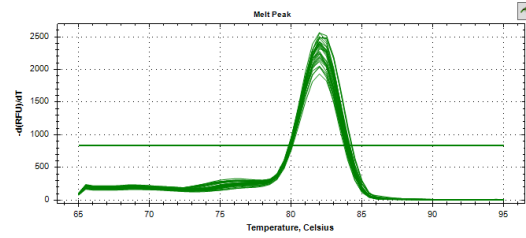
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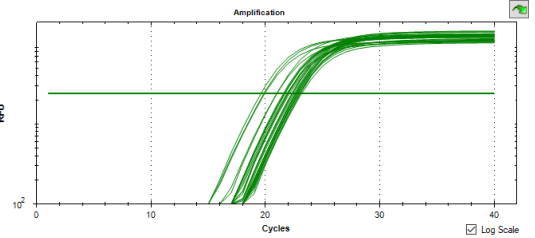
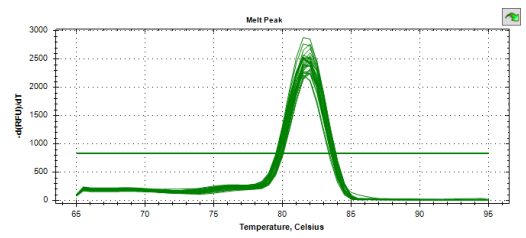
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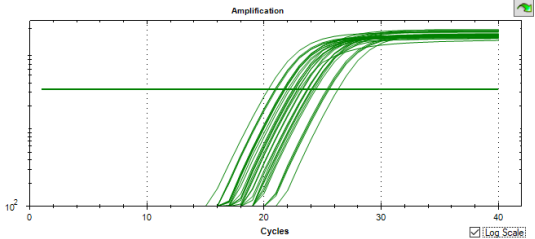
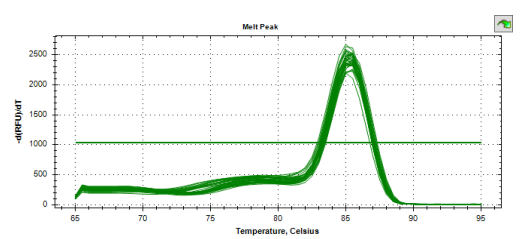
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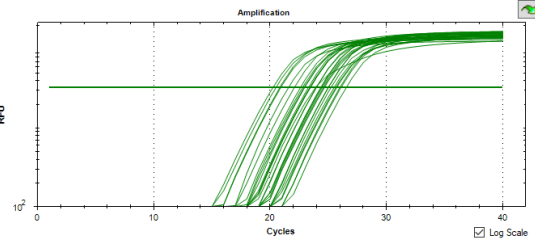
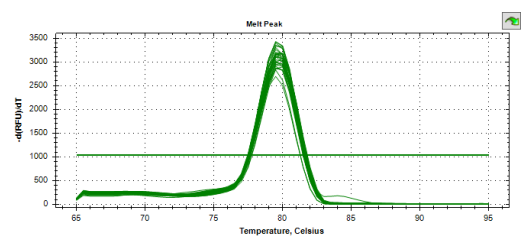
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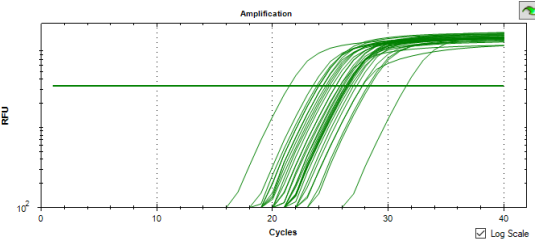
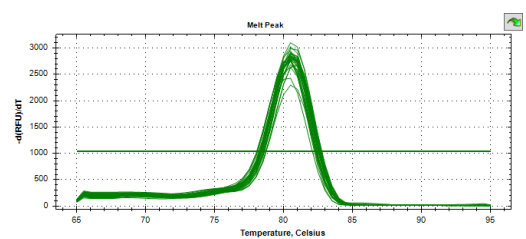
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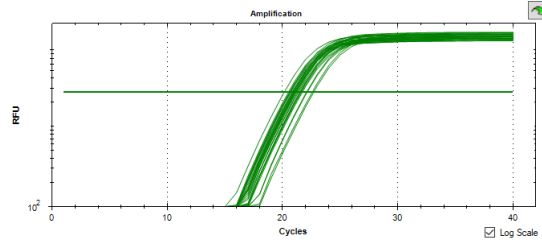
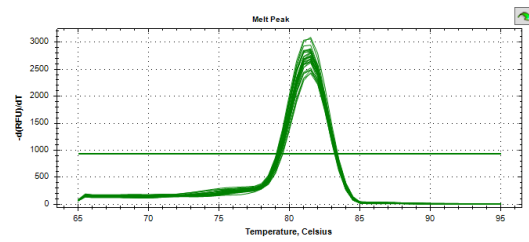
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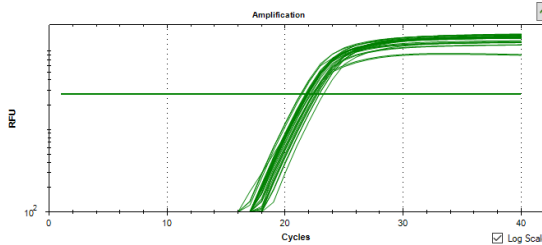
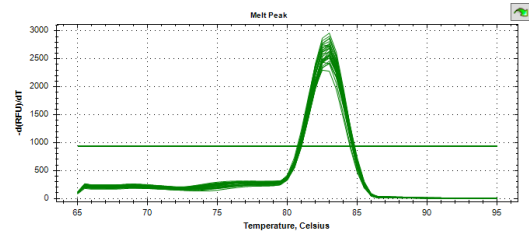
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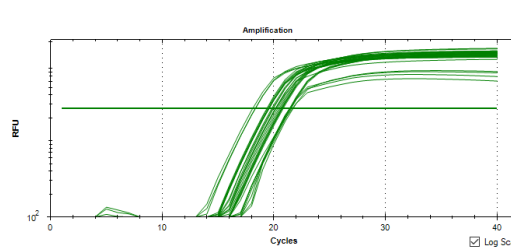
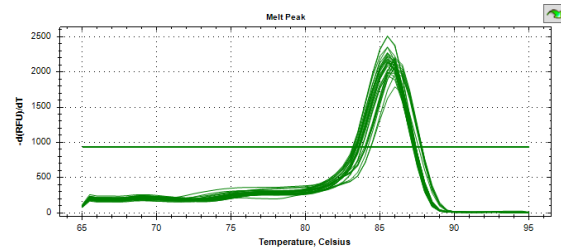
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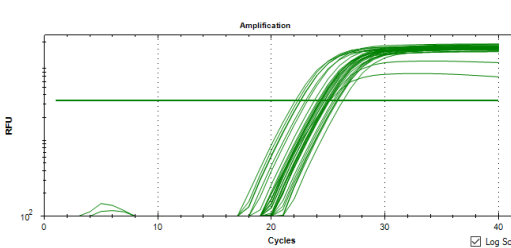
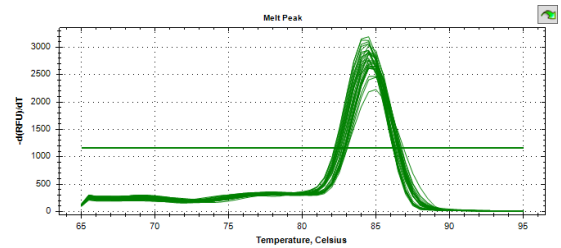
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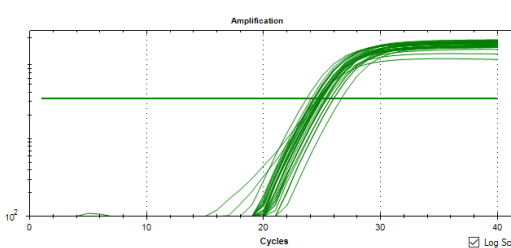
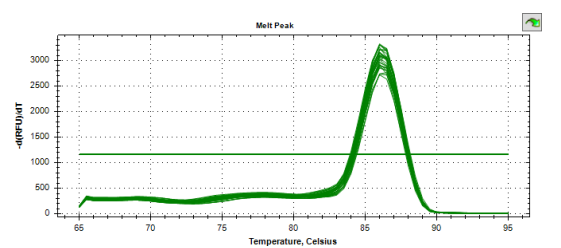
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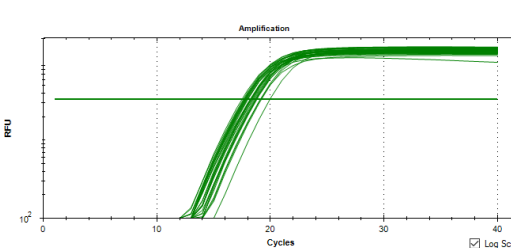
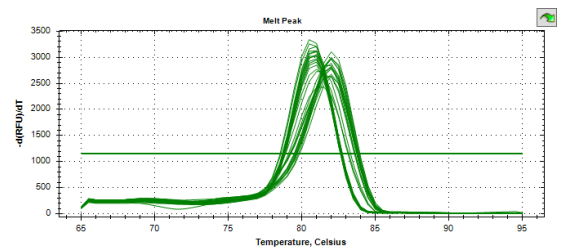
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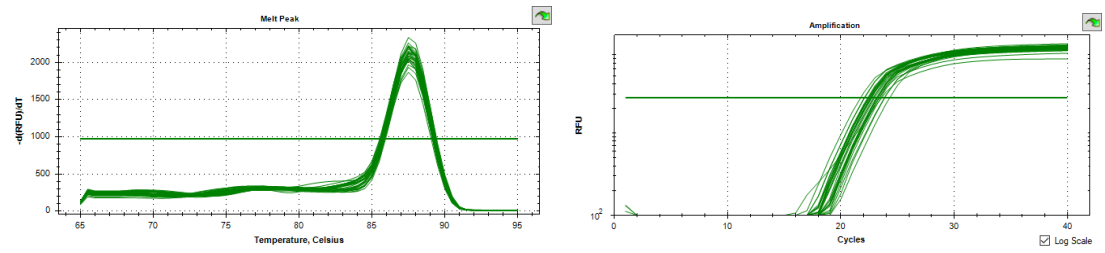
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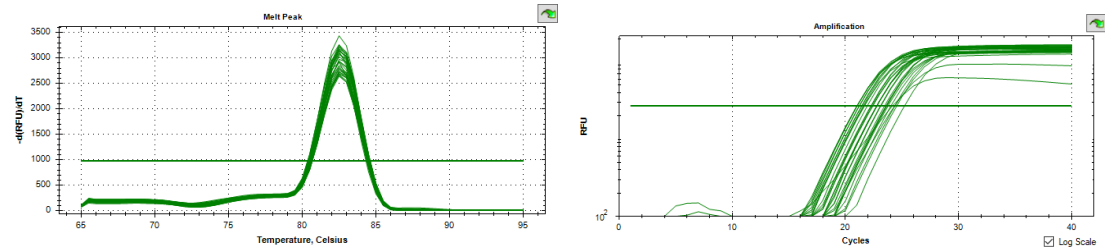
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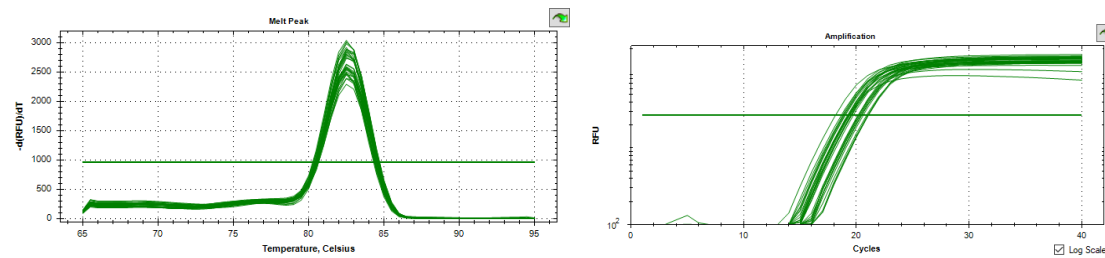
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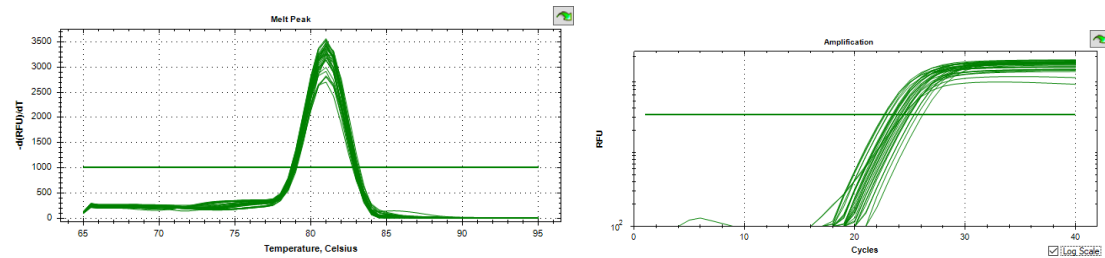
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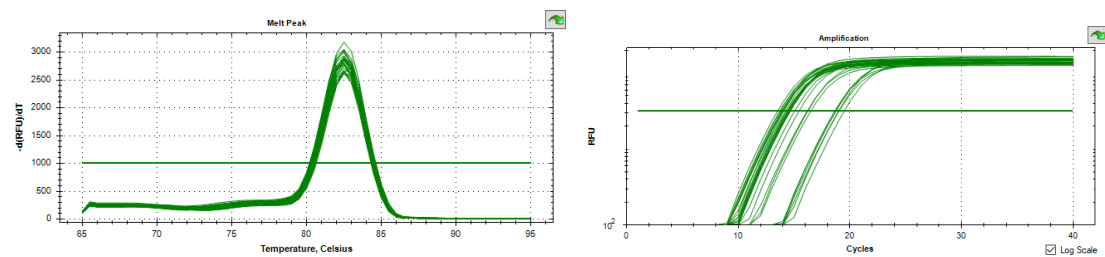
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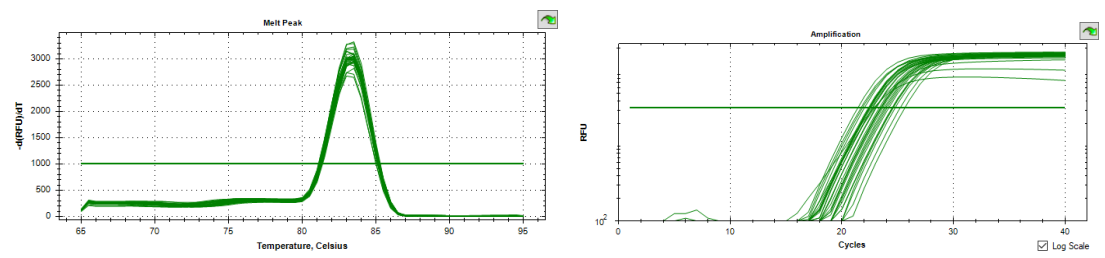
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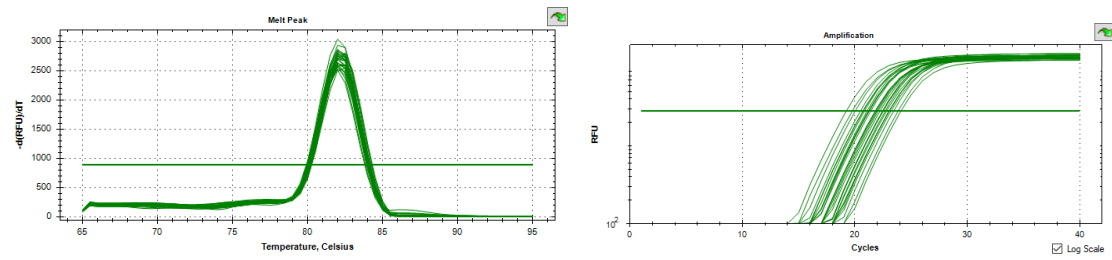
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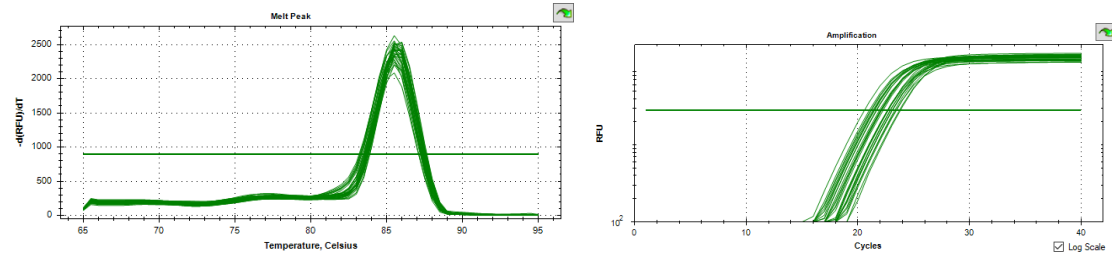
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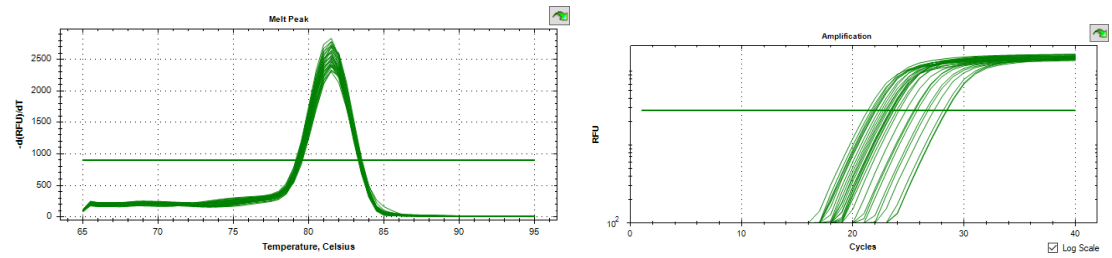
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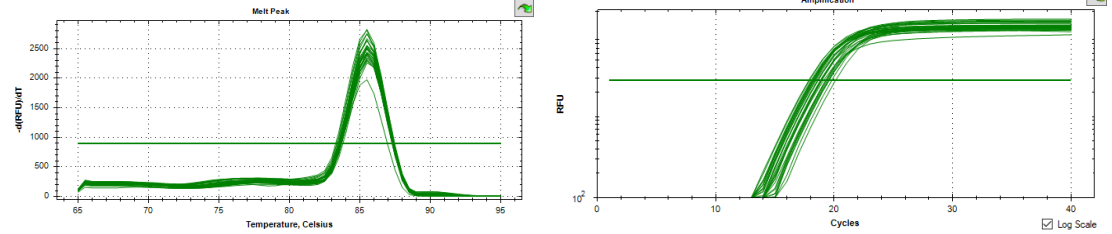
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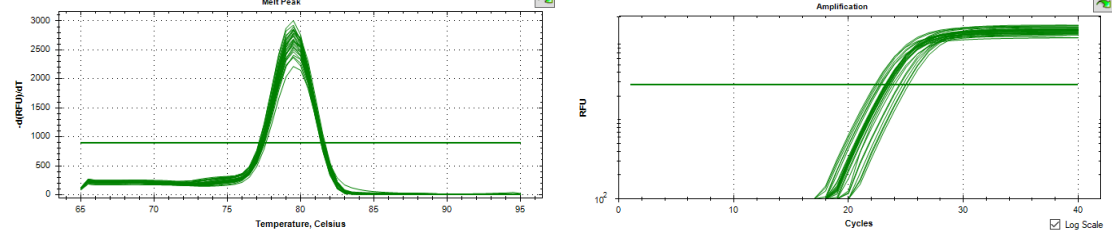


Figure. 5 | PCR amplification curves and melt curves of each pair of primer in this study. Both amplification and melt curves of each pair of primer contain three biological replicates of the two cultivars in the five move dates during bud endodormancy release. RFU, Relative Fluorescence Unit.