

Table S1 Results of qRT-PCR assay

Gene name	Relative expression of the Control group	Relative expression of the WCWE group	P value
psme3	0.0262 ±0.00127	0.0144 ±0.00151	0.00049
psmc6	0.0911 ±0.00300	0.0524 ±0.00272	0.00008
psmc3	0.2363 ±0.00874	0.1427 ±0.00961	0.00023
psmc2	0.0356 ±0.00107	0.0257 ±0.00242	0.00295
si:rp71-45k5.4	0.0768 ±0.00358	0.0515 ±0.00166	0.00038
psmd4a	0.0476 ±0.00157	0.0229 ±0.00101	0.00002
psmd8	0.1327 ±0.00833	0.0811 ±0.00494	0.00086
psmd11a	0.0284 ±0.00106	0.0190 ±0.00035	0.00012
psme4b	0.0156 ±0.00095	0.0092 ±0.00016	0.00028
psma3	0.0934 ±0.00223	0.0592 ±0.00234	0.00005

Figure S1 Amplification Plot psma3

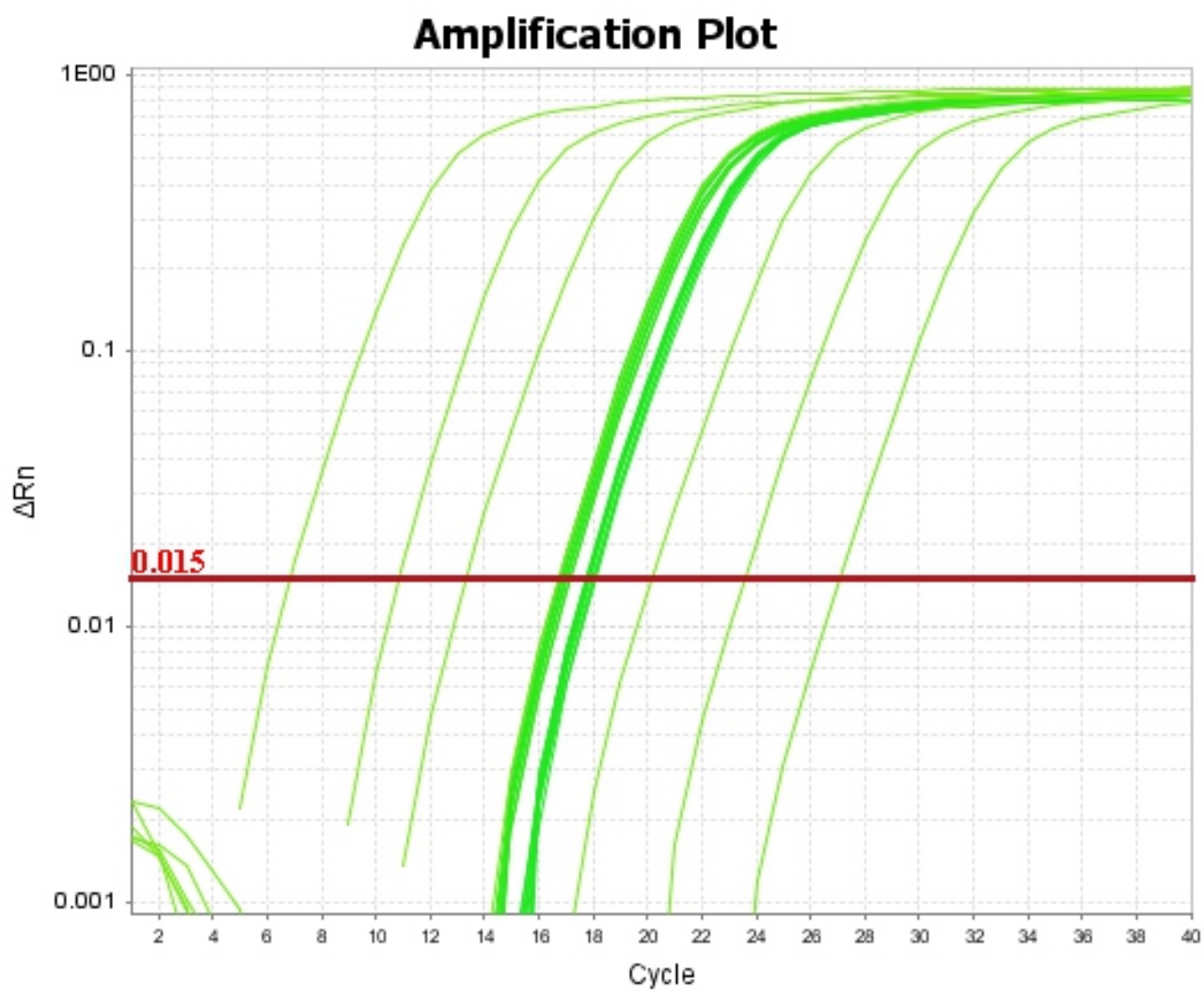


Figure S2 Amplification Plot psmc2

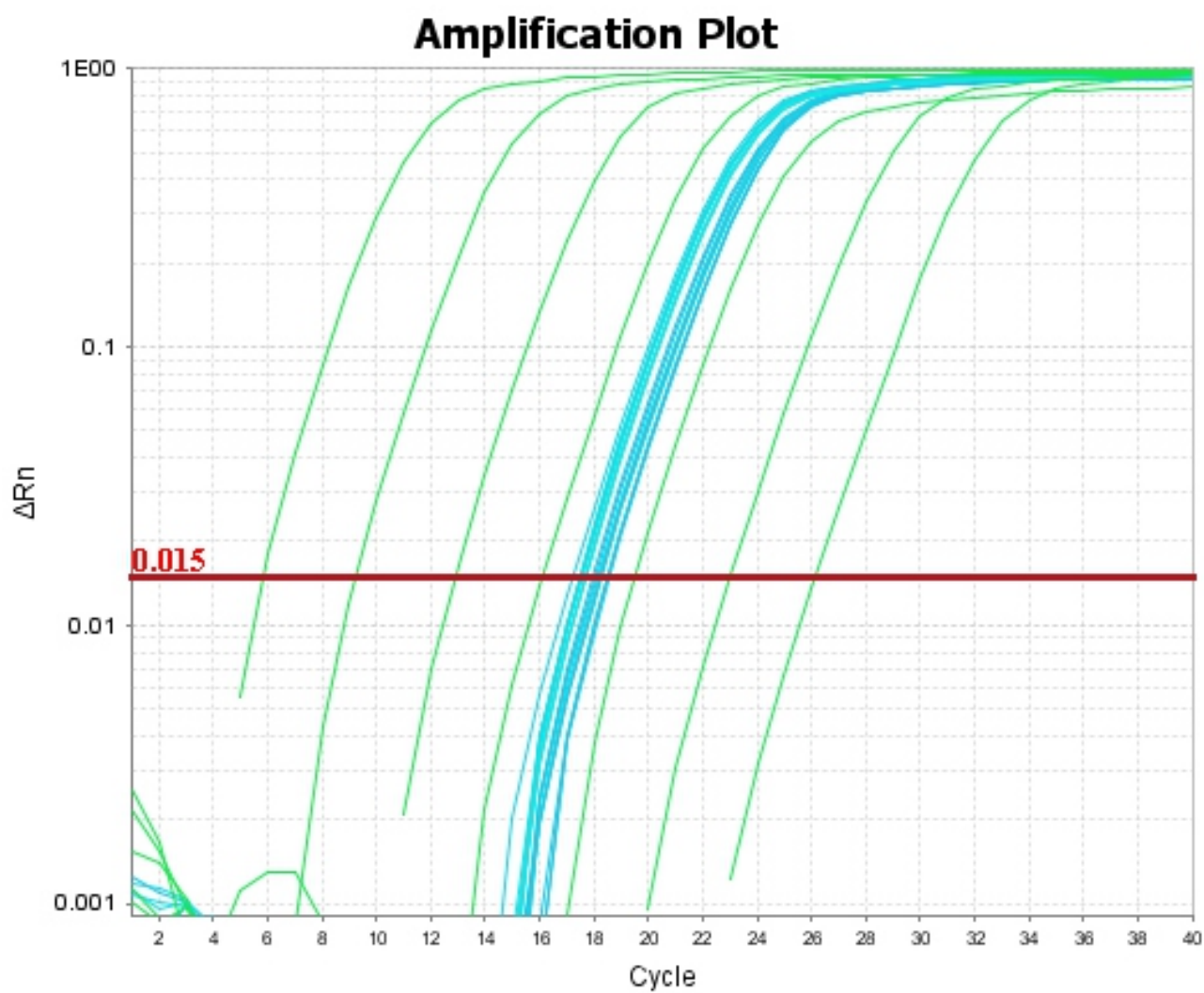


Figure S3 Amplification Plot psmc3

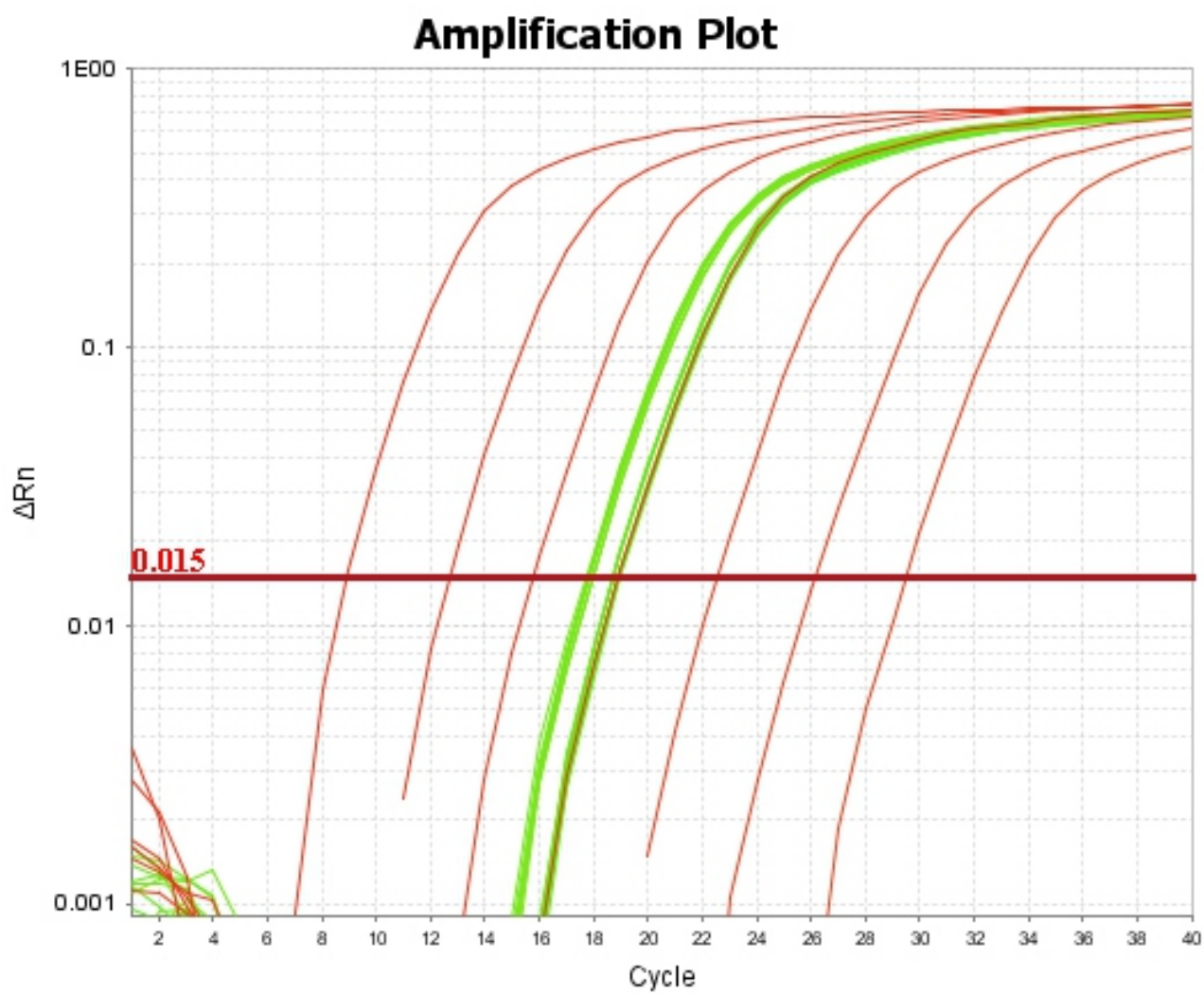


Figure S4 Amplification Plot psmc6

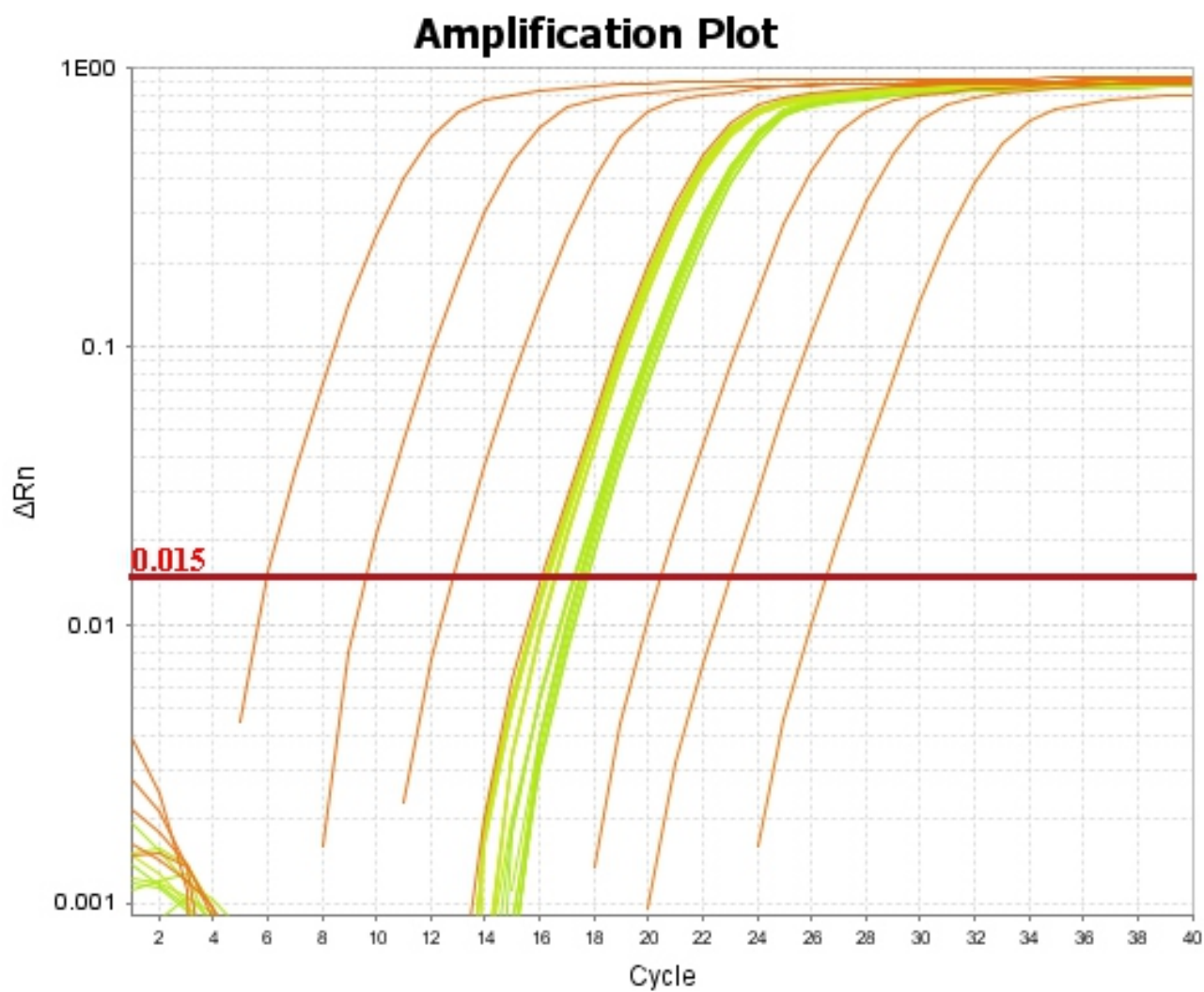


Figure S5 Amplification Plot psmd4a

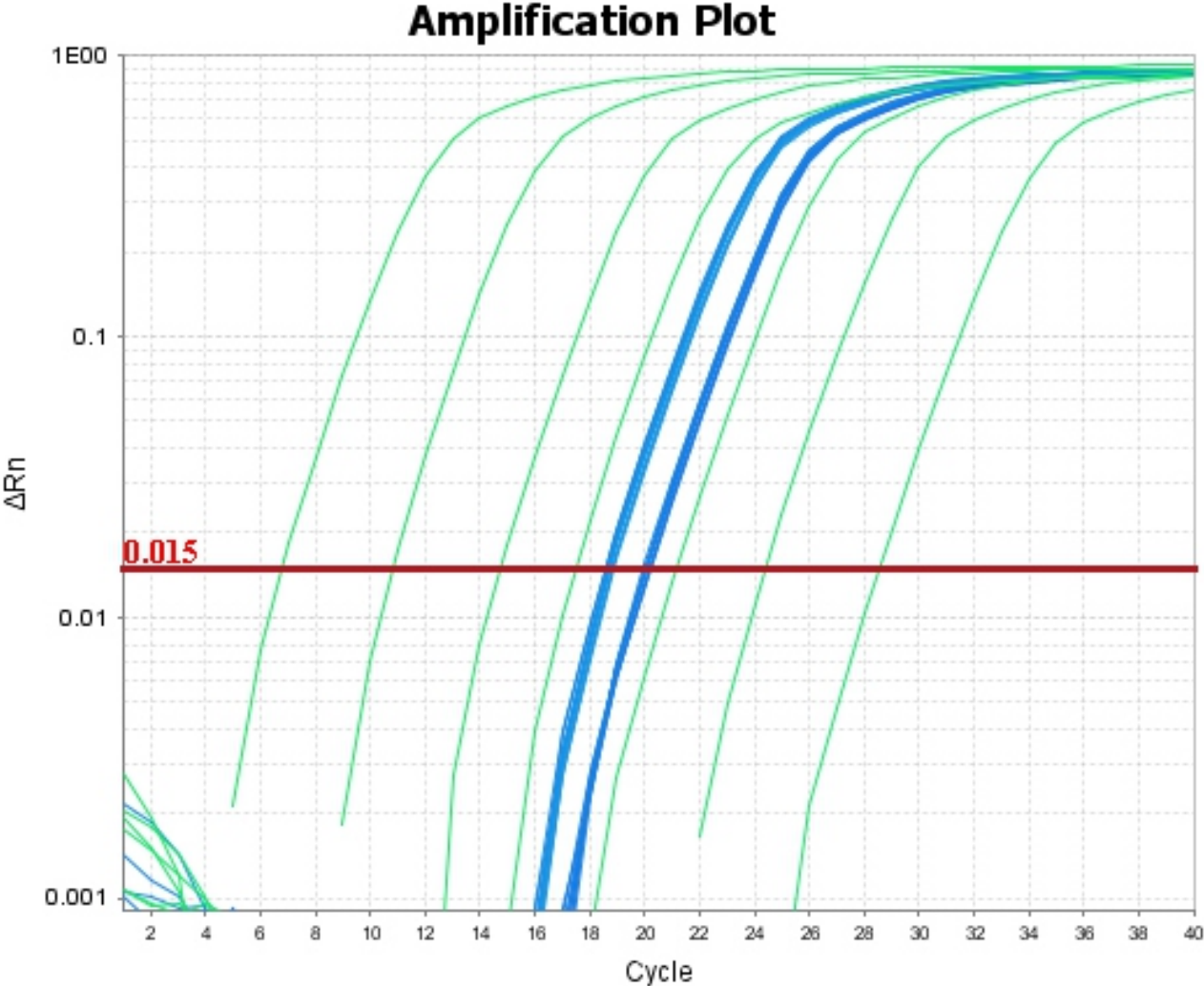


Figure S6 Amplification Plot psmd8

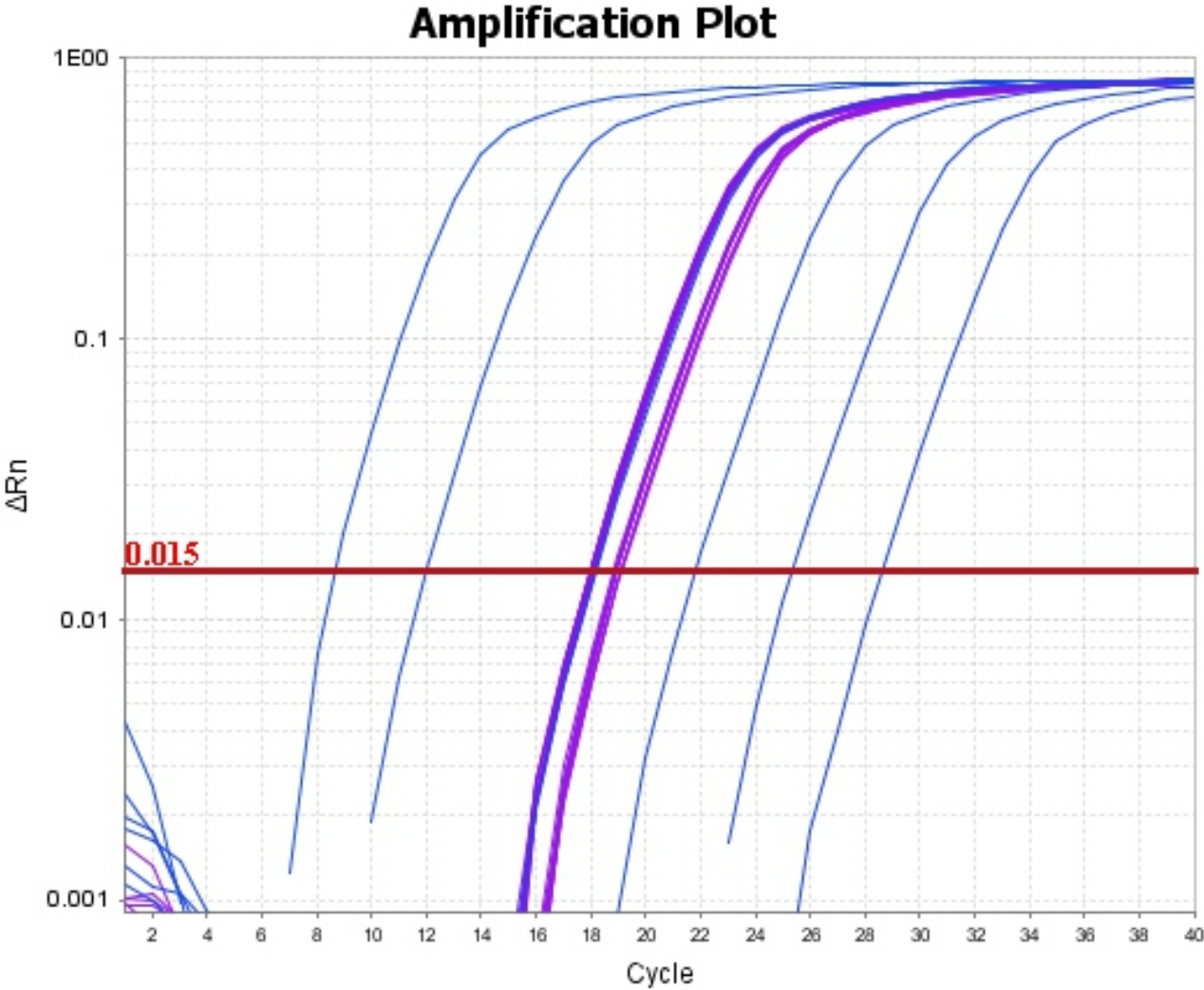


Figure S7 Amplification Plot psmd11a

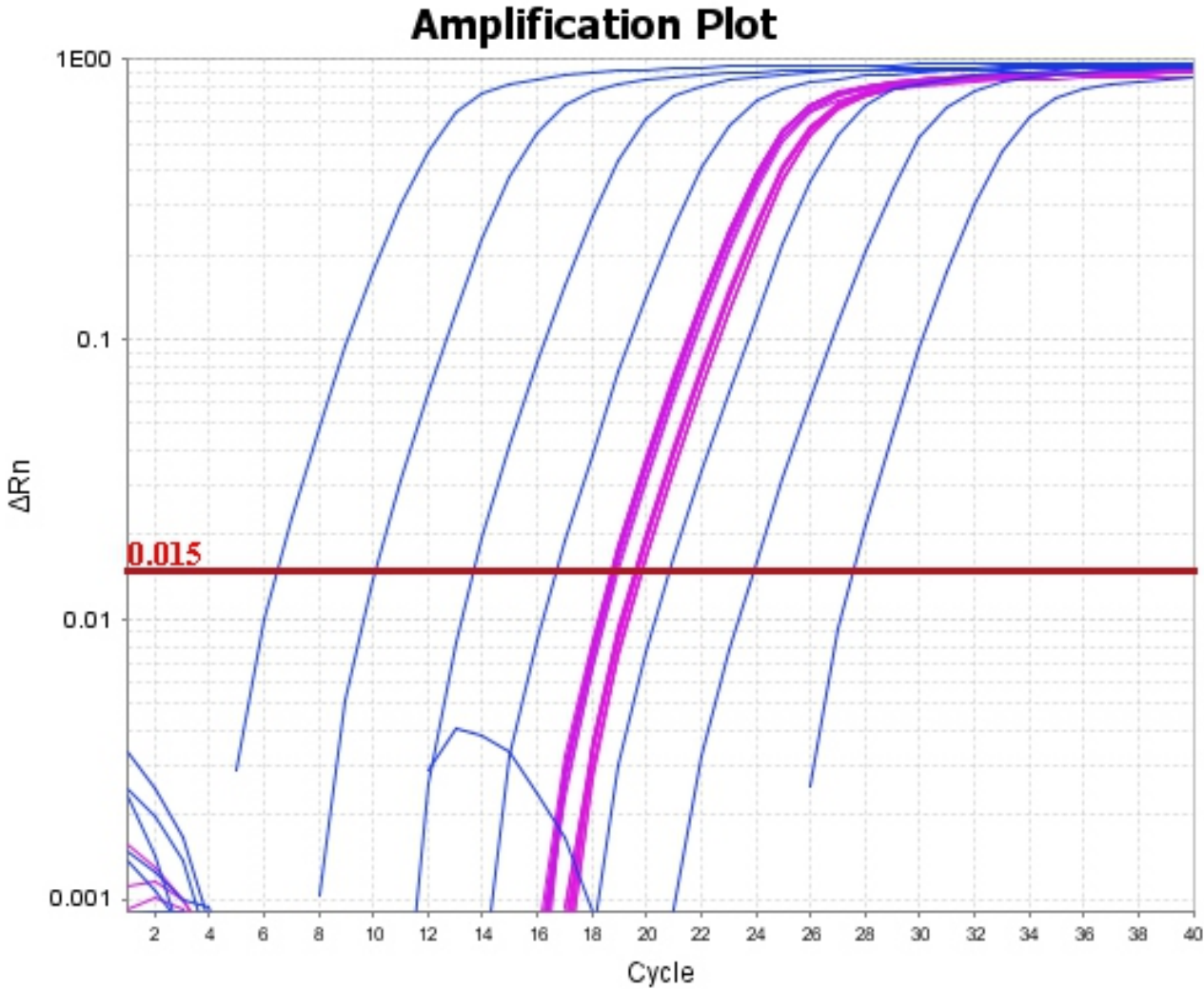




Figure S8 Amplification Plot psme3

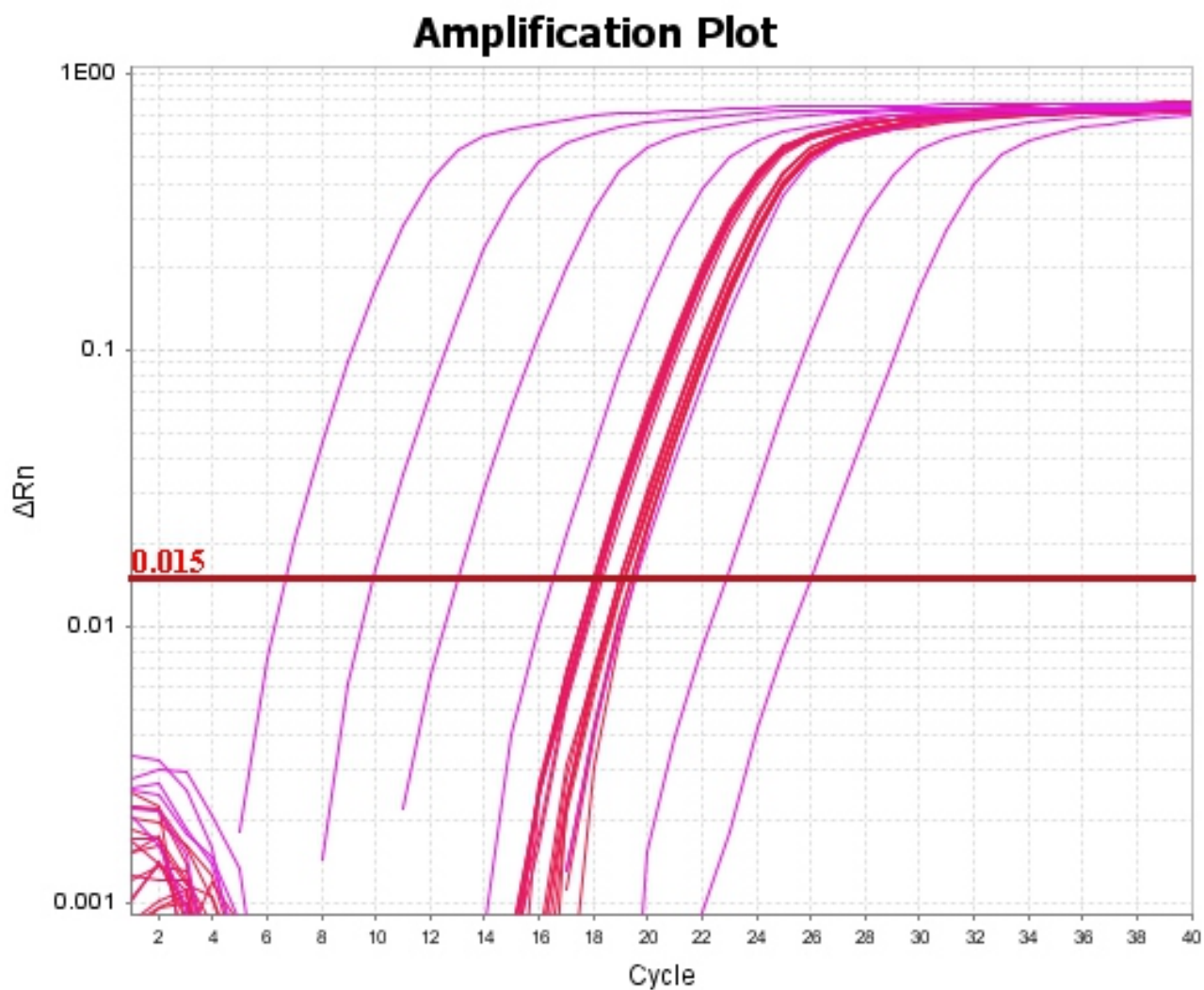


Figure S9 Amplification Plot psme4b

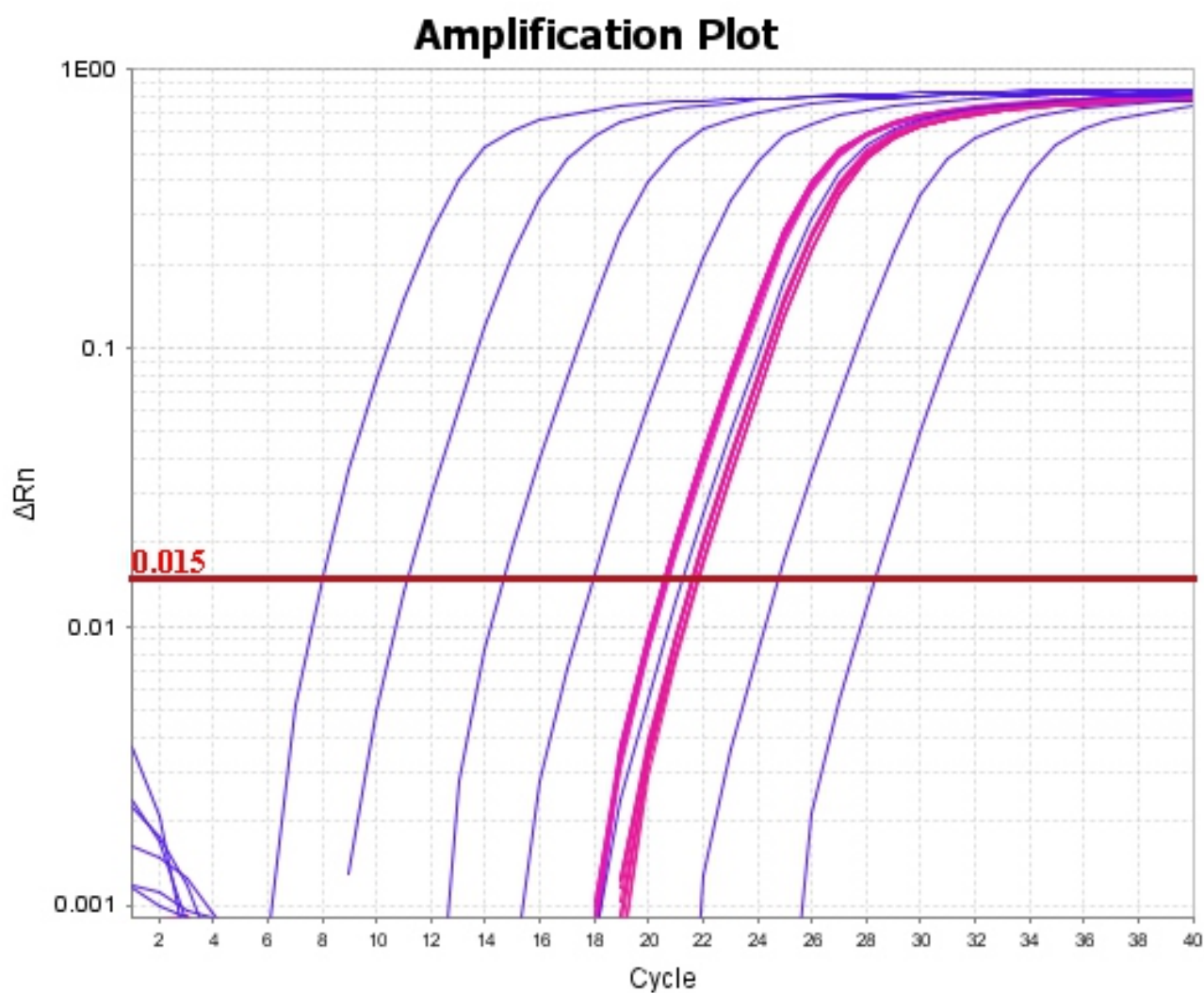


Figure S10 Amplification Plot sirp71-45k5.4

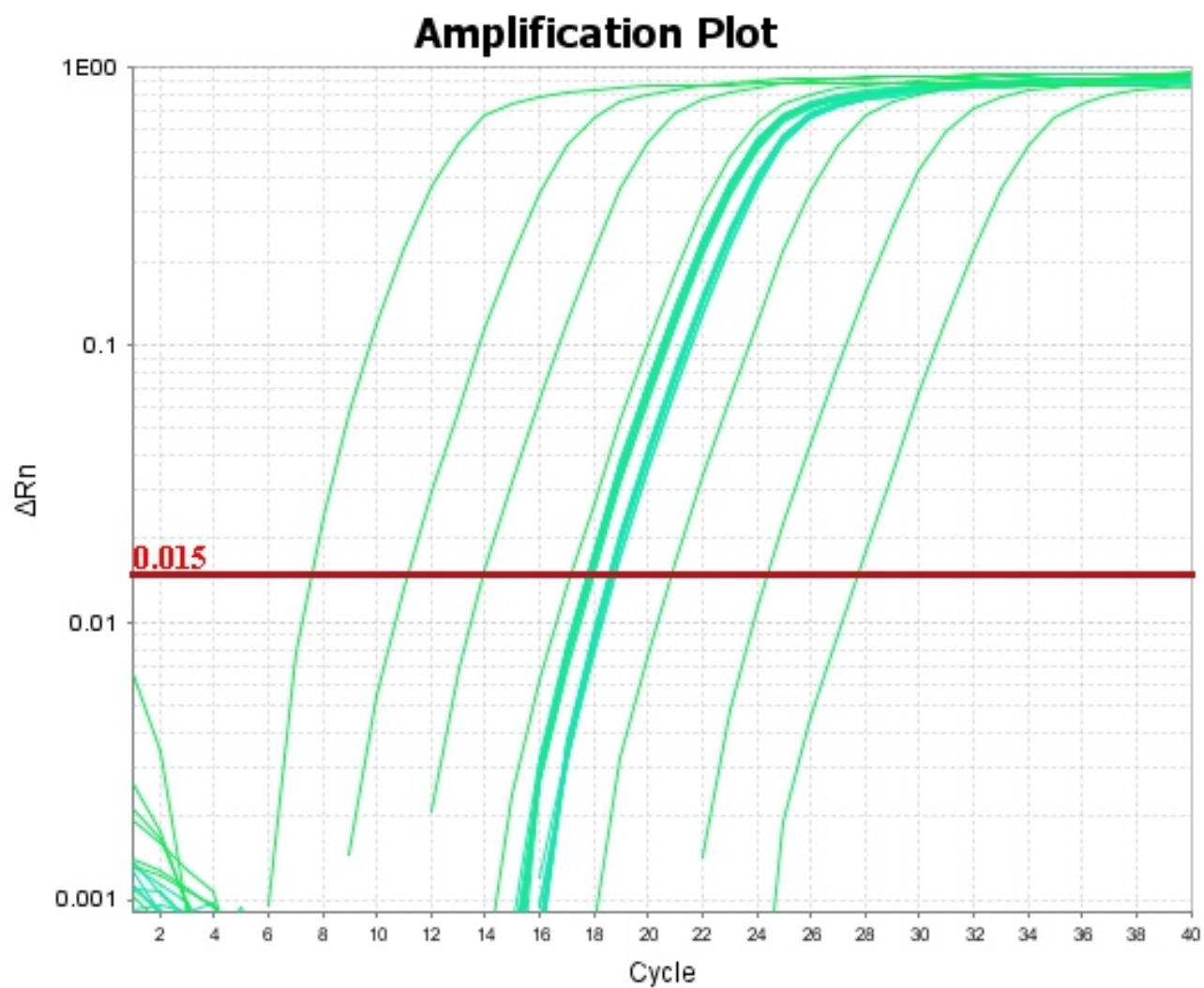


Figure S11 Melt Curve Plot psma3

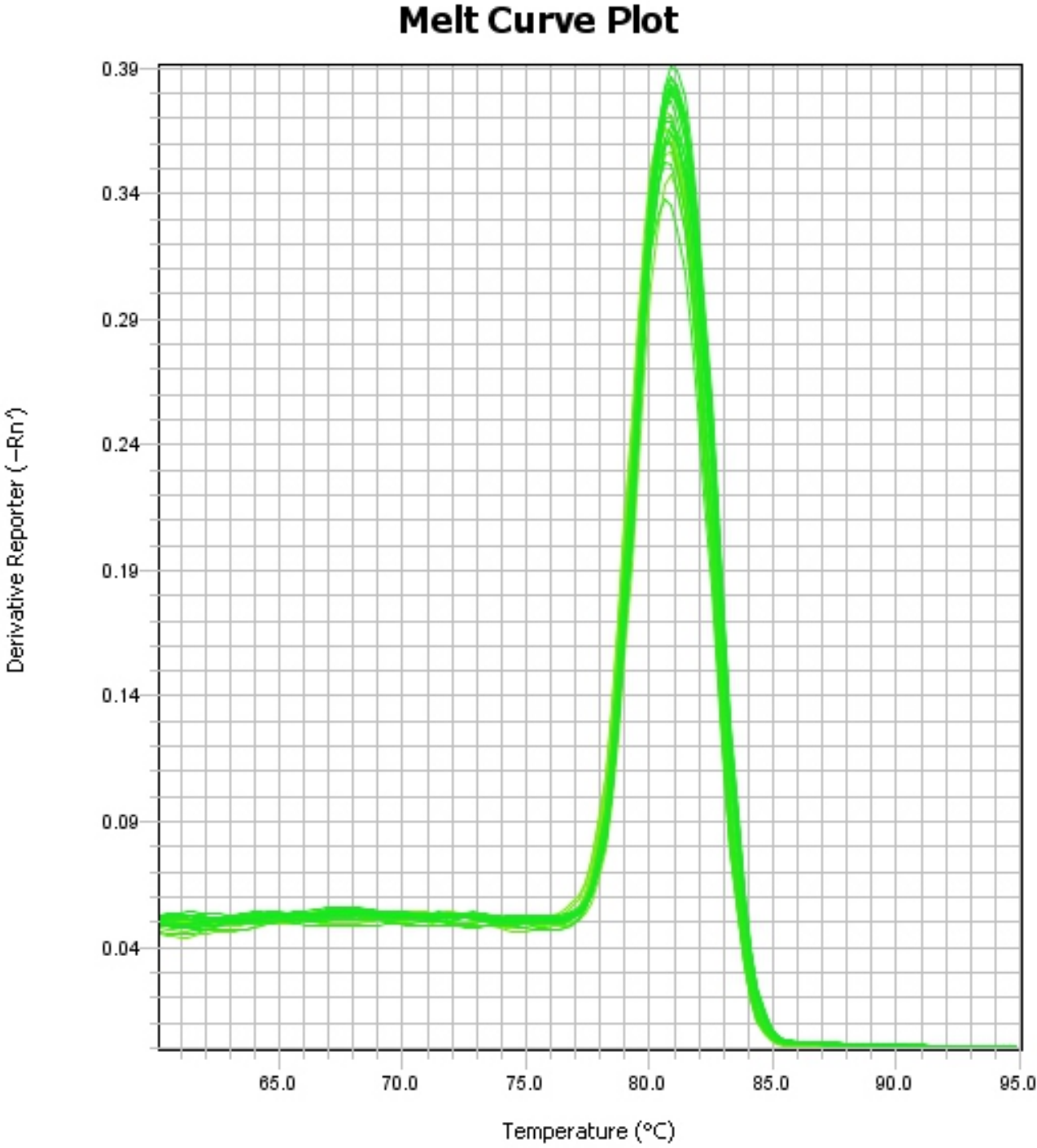


Figure S12 Melt Curve Plot psmc2

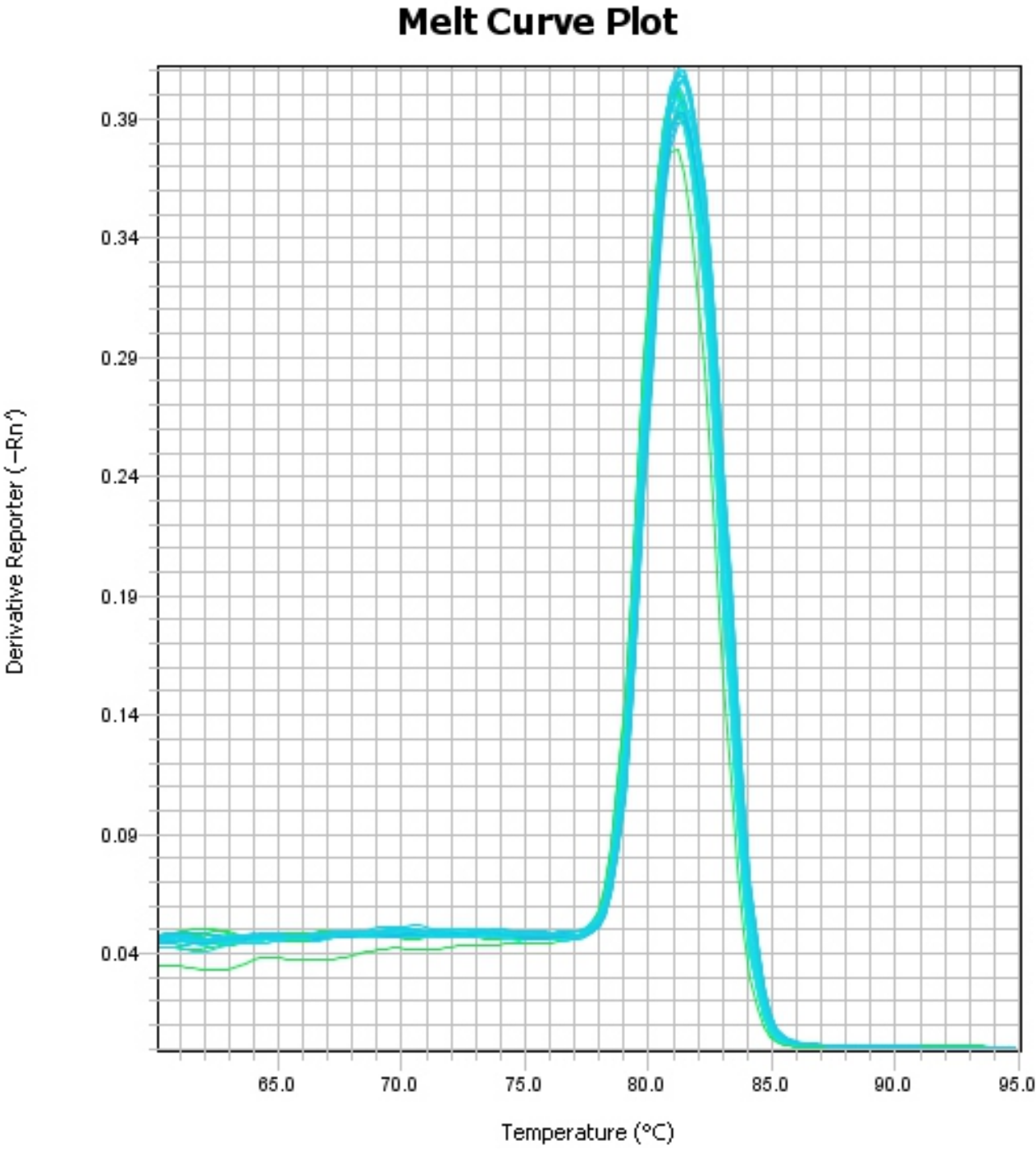


Figure S13 Melt Curve Plot psmc3

**Melt Curve Plot**

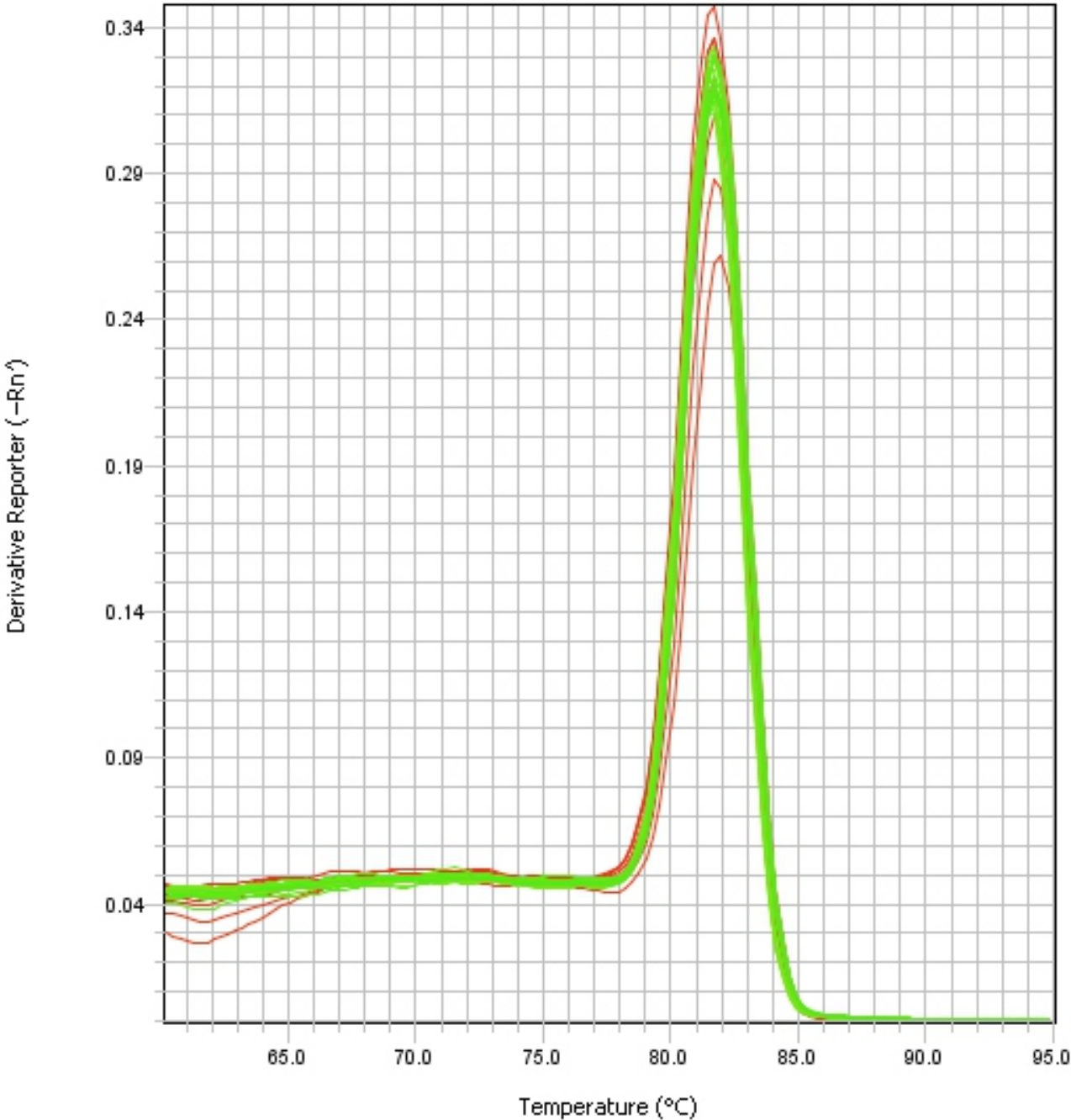


Figure S14 Melt Curve Plot psmc6

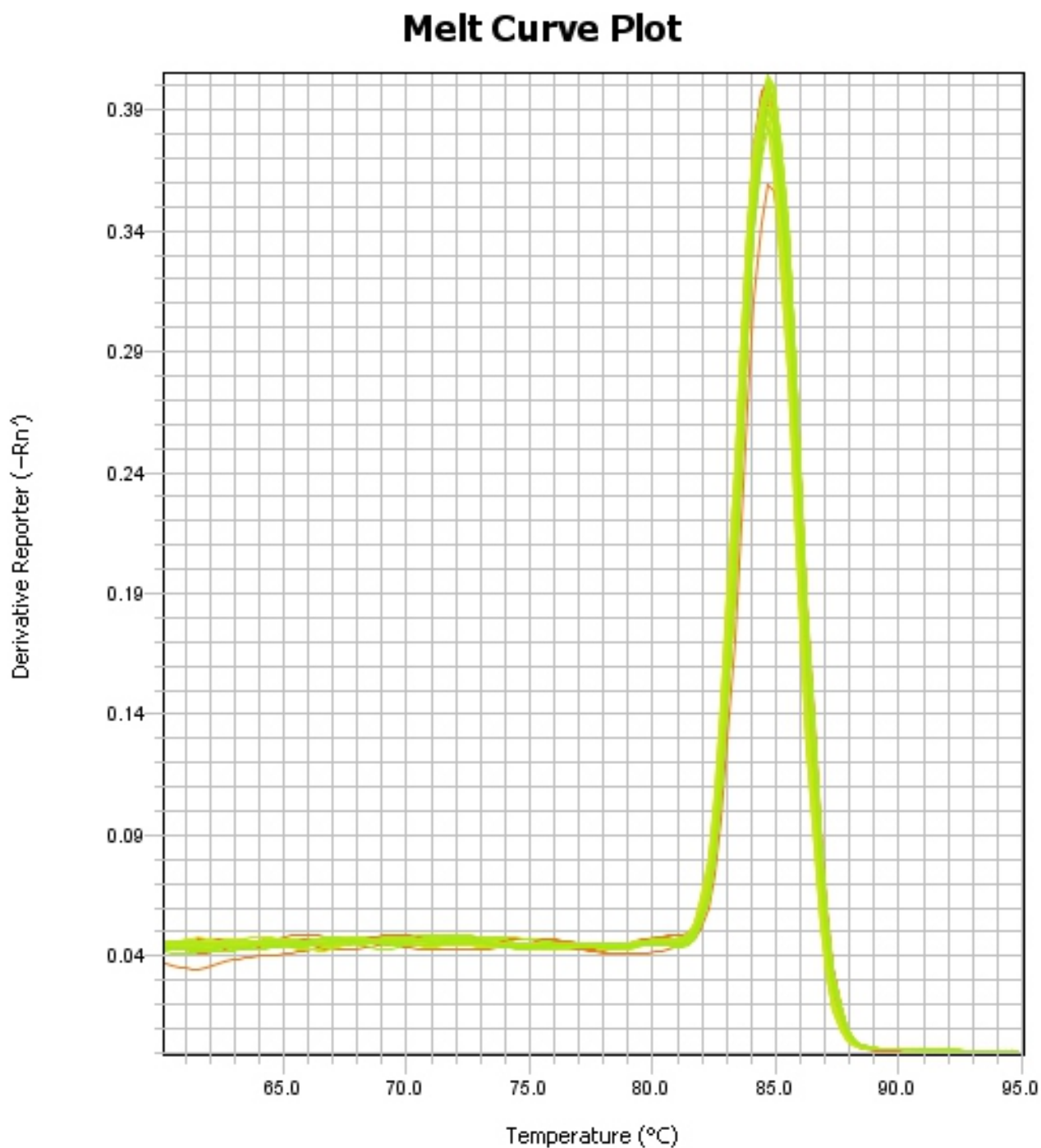


Figure S15 Melt Curve Plot psmd4a

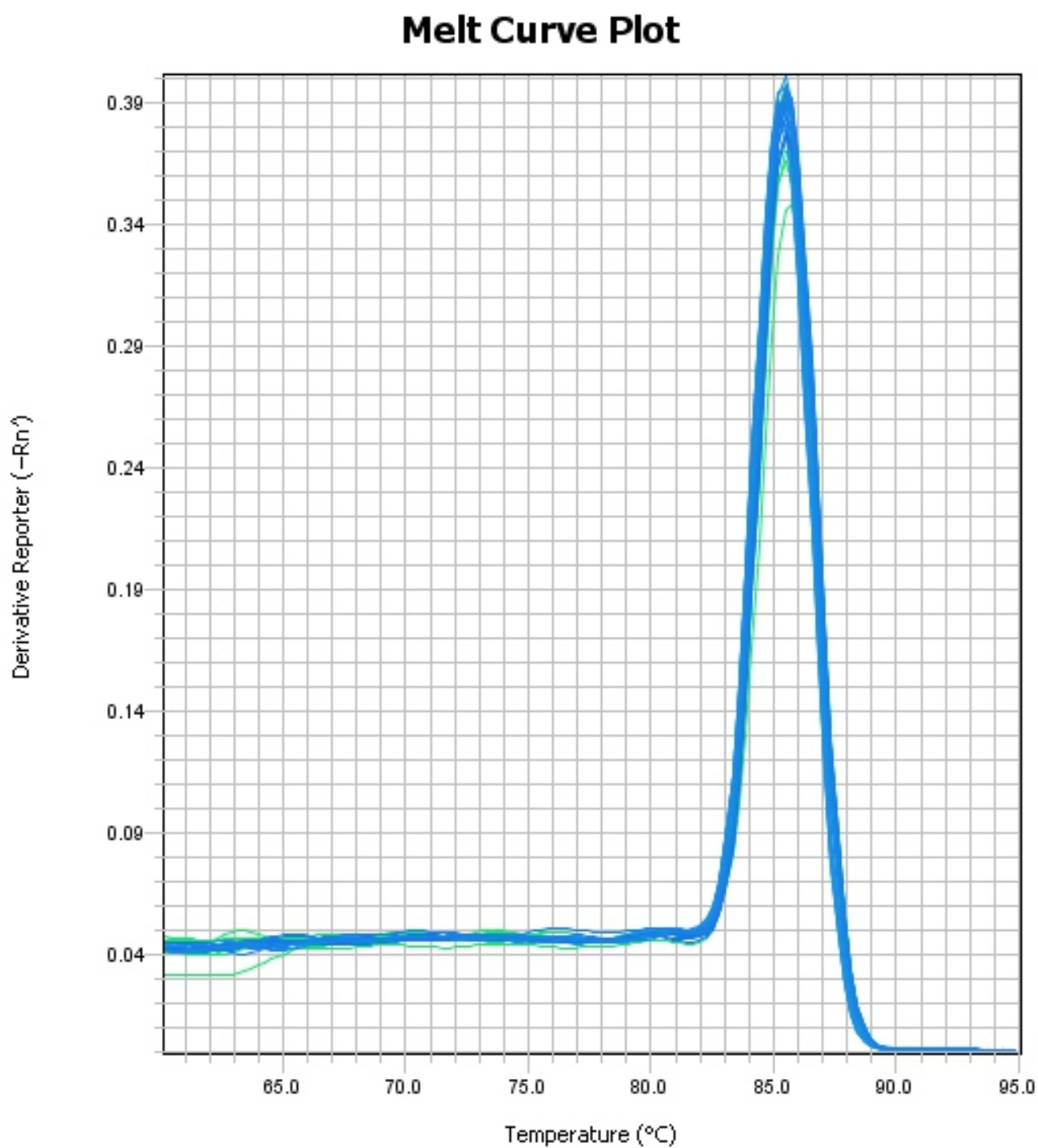




Figure S16 Melt Curve Plot psmd8

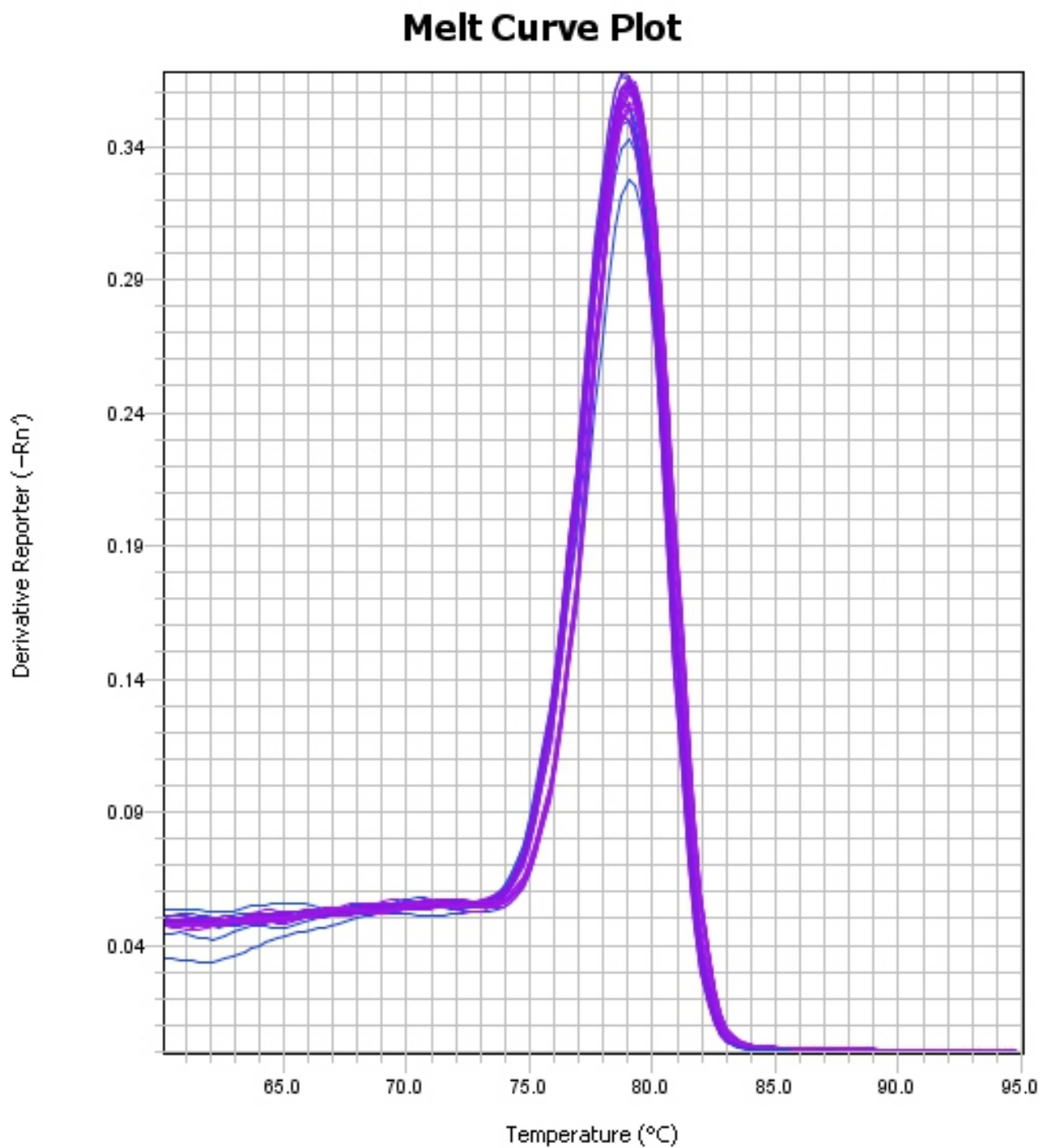


Figure S17 Melt Curve Plot psmd11a

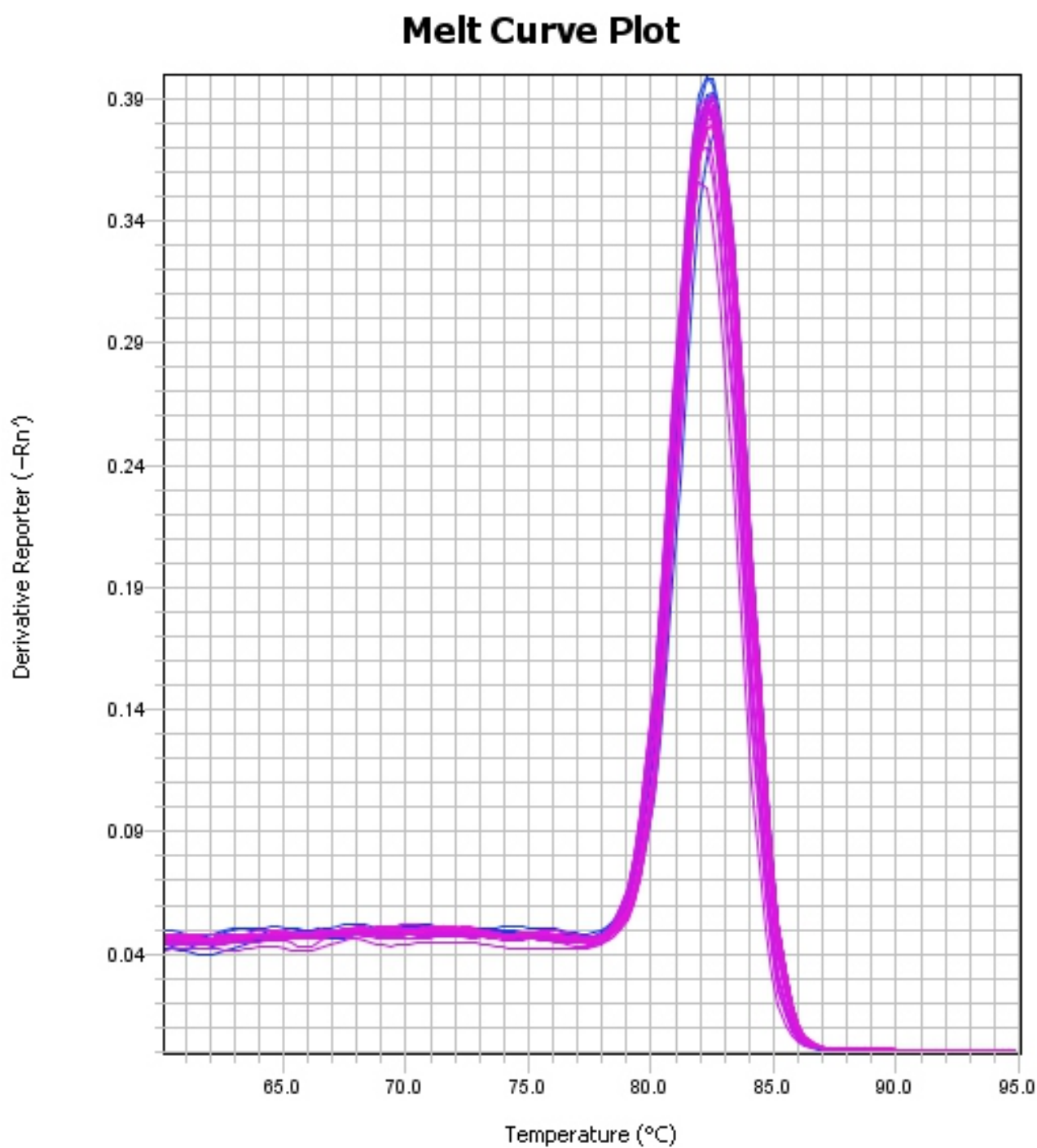


Figure S18 Melt Curve Plot psme3

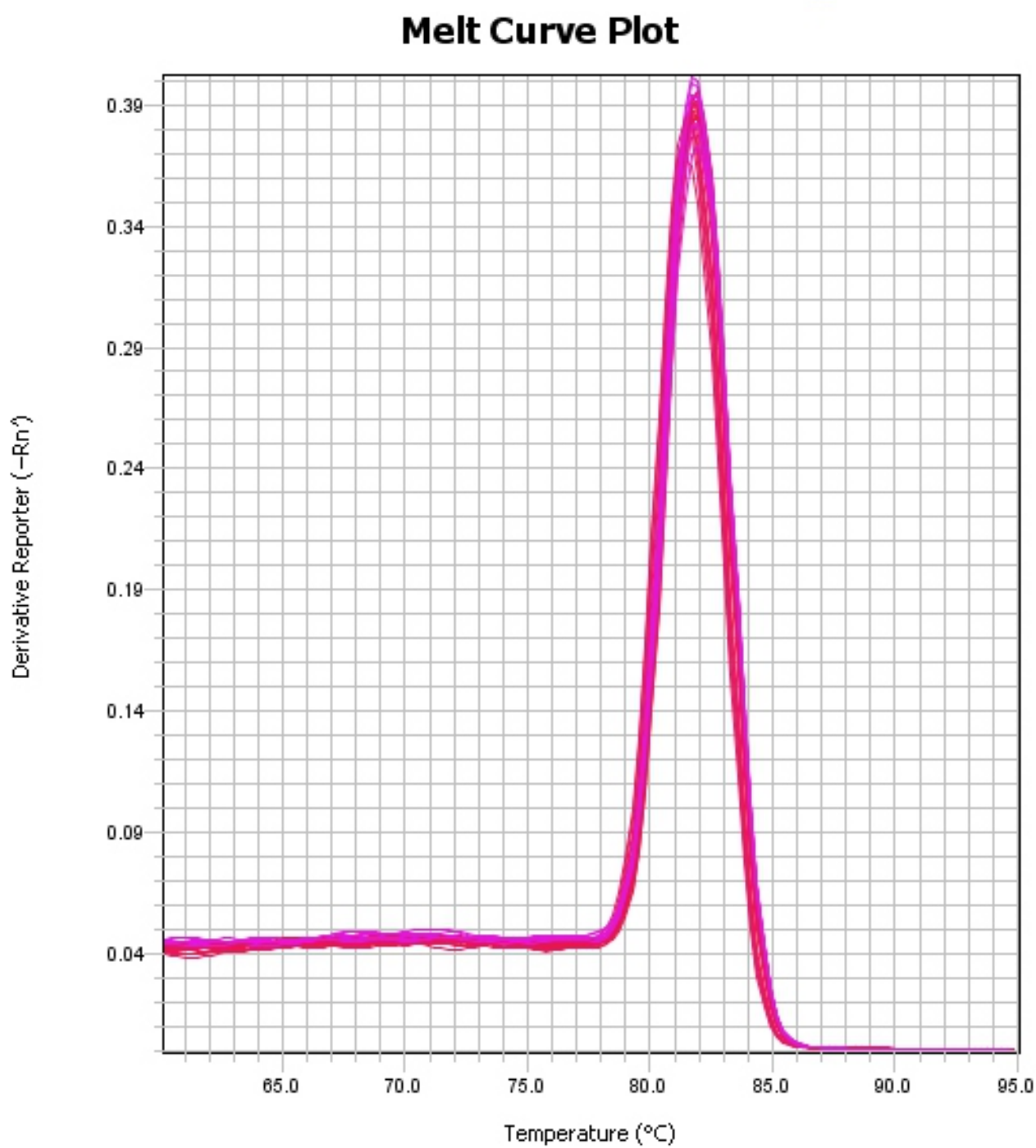


Figure S19 Melt Curve Plot psme4b

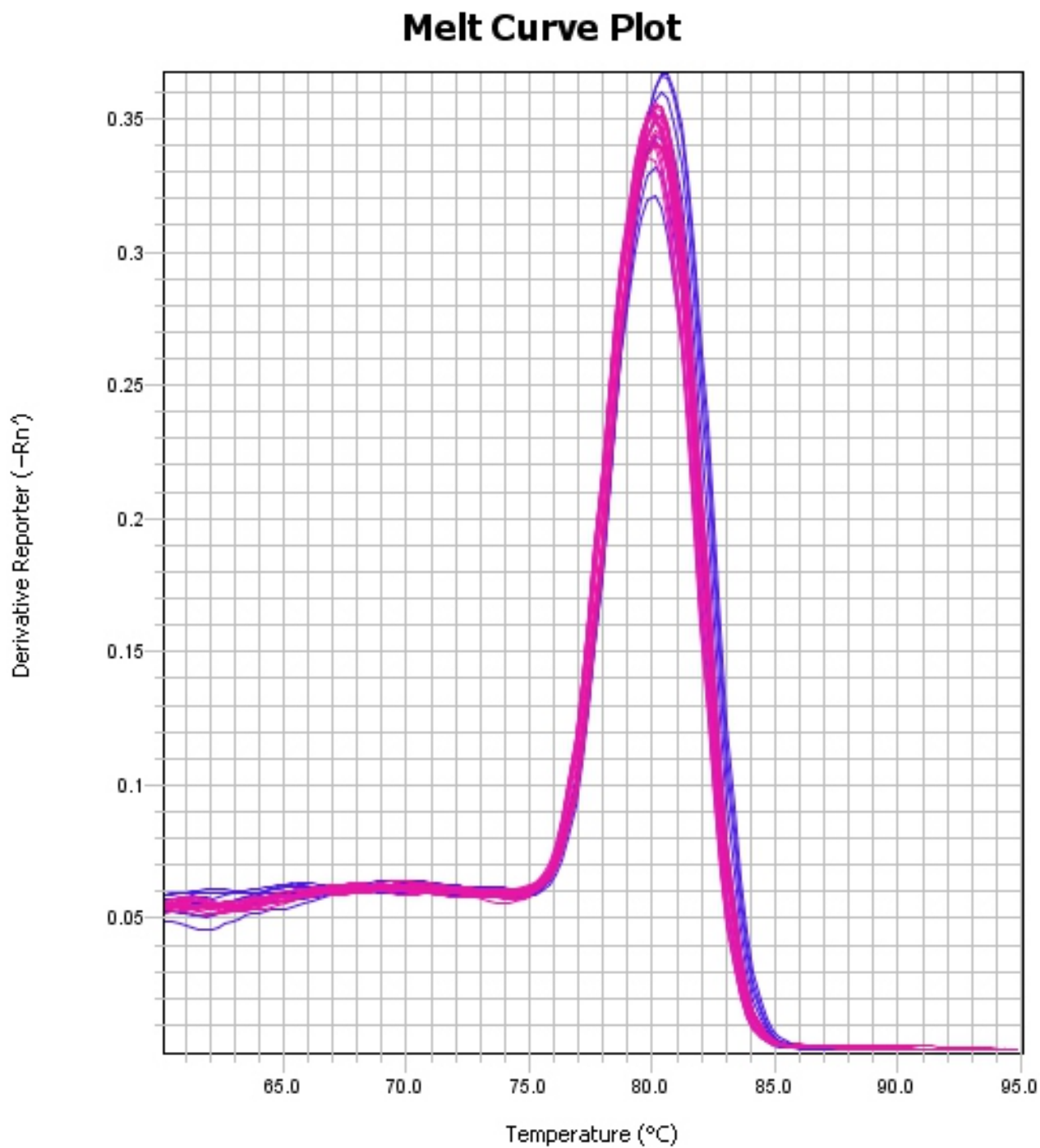
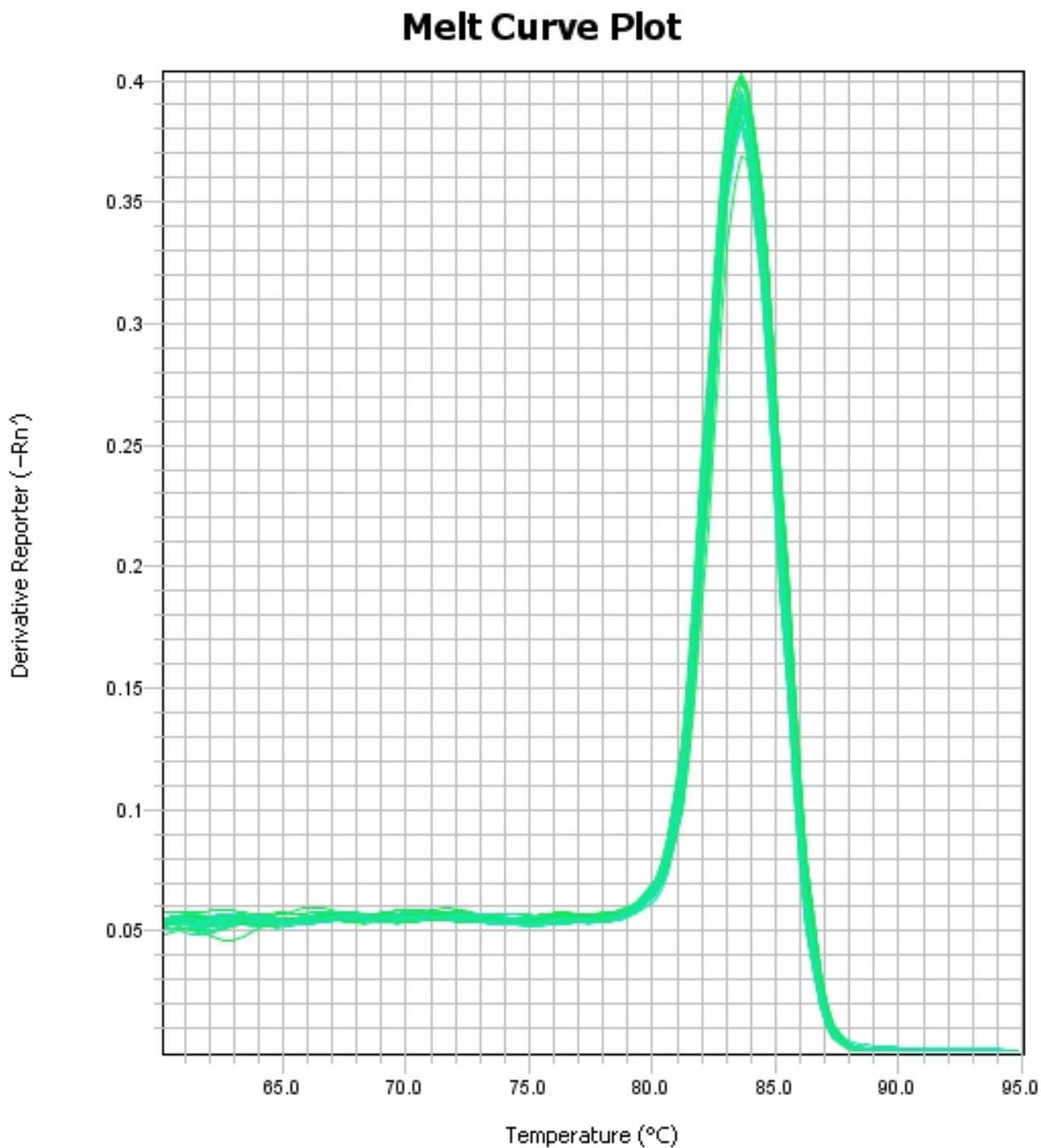
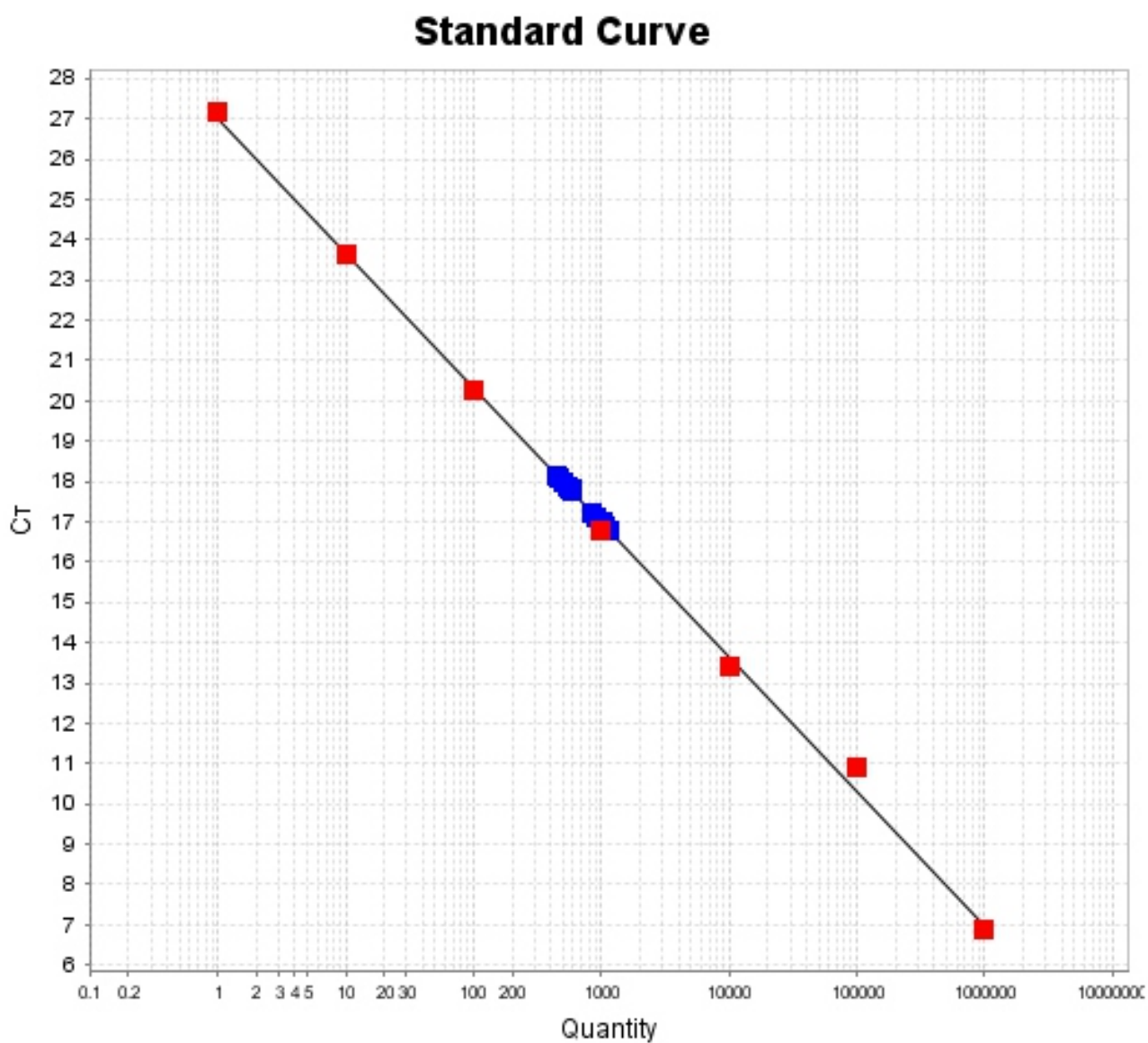


Figure S20 Melt Curve Plot sirp71-45k5.4

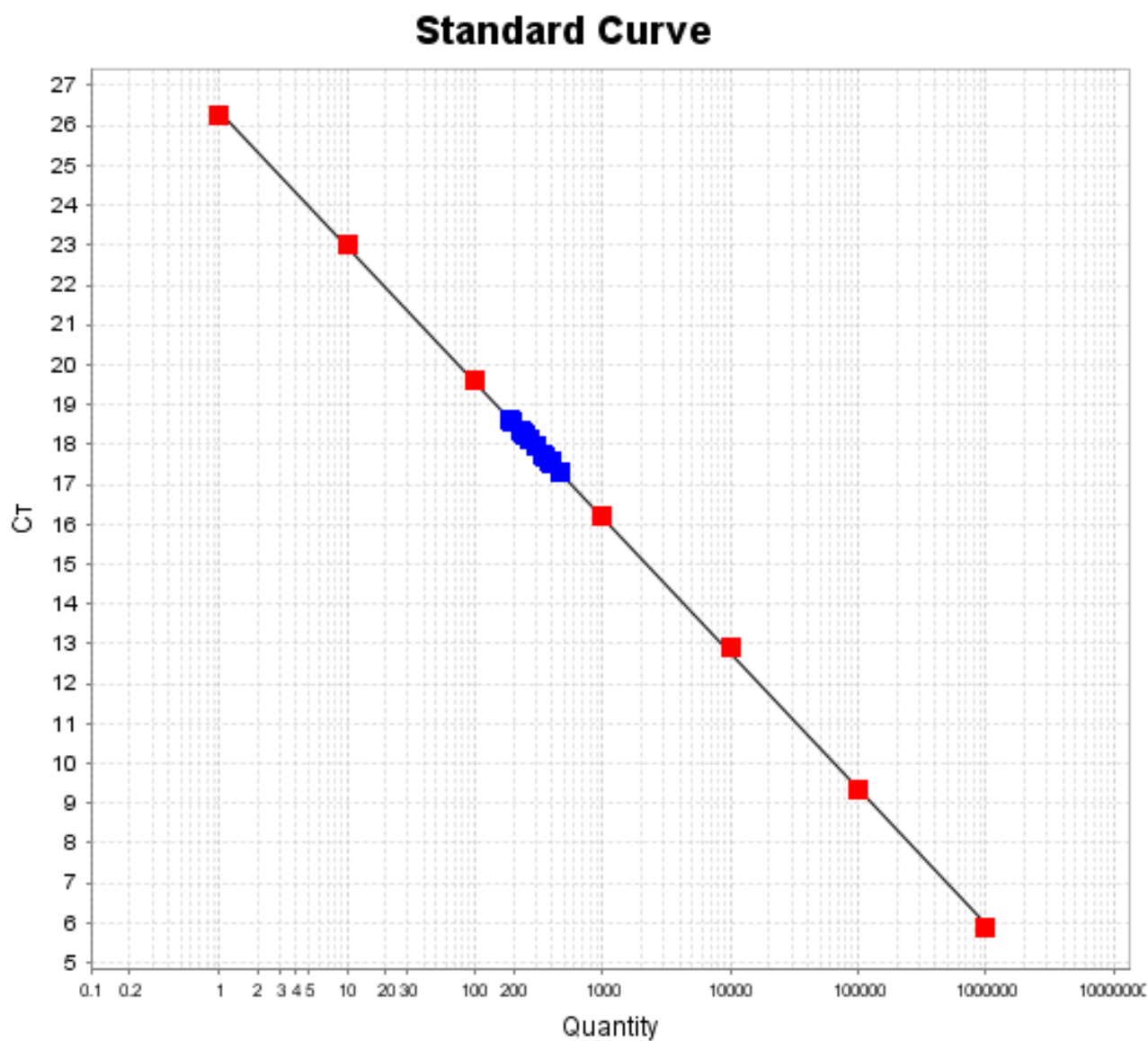


# Figure S21 Standard Curve psma3



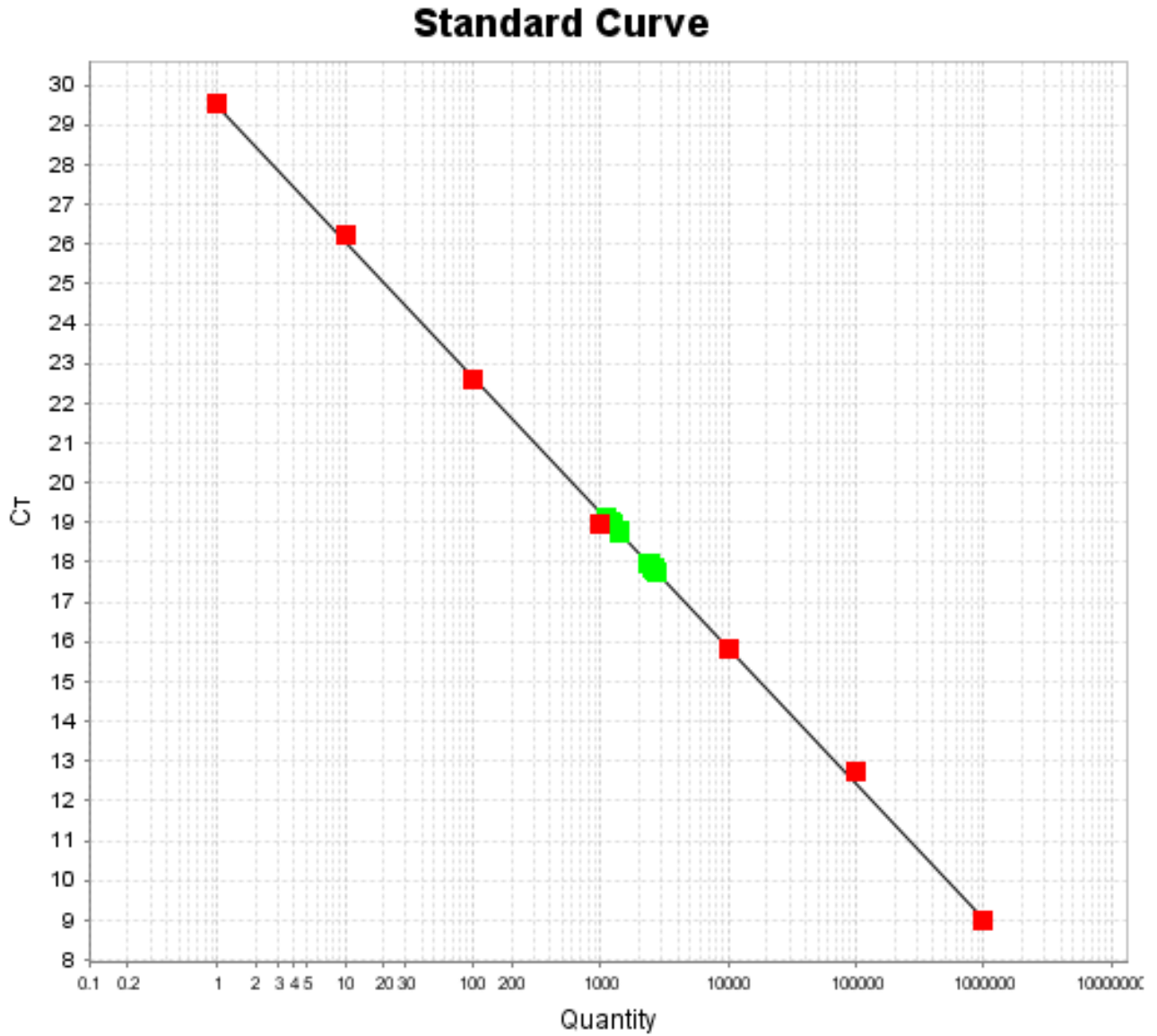
**Target:** Target 1 **Slope:** -3.334 **Y-Inter:** 27.005 **R<sup>2</sup>:** 0.998 **Eff%:** 99.503 **Error:** 0.059

# Figure S22 Standard Curve psmc2



**Target:** Target 1 **Slope:** -3.401 **Y-Inter:** 26.38 **R<sup>2</sup>:** 1 **Eff%:** 96.807 **Error:** 0.02

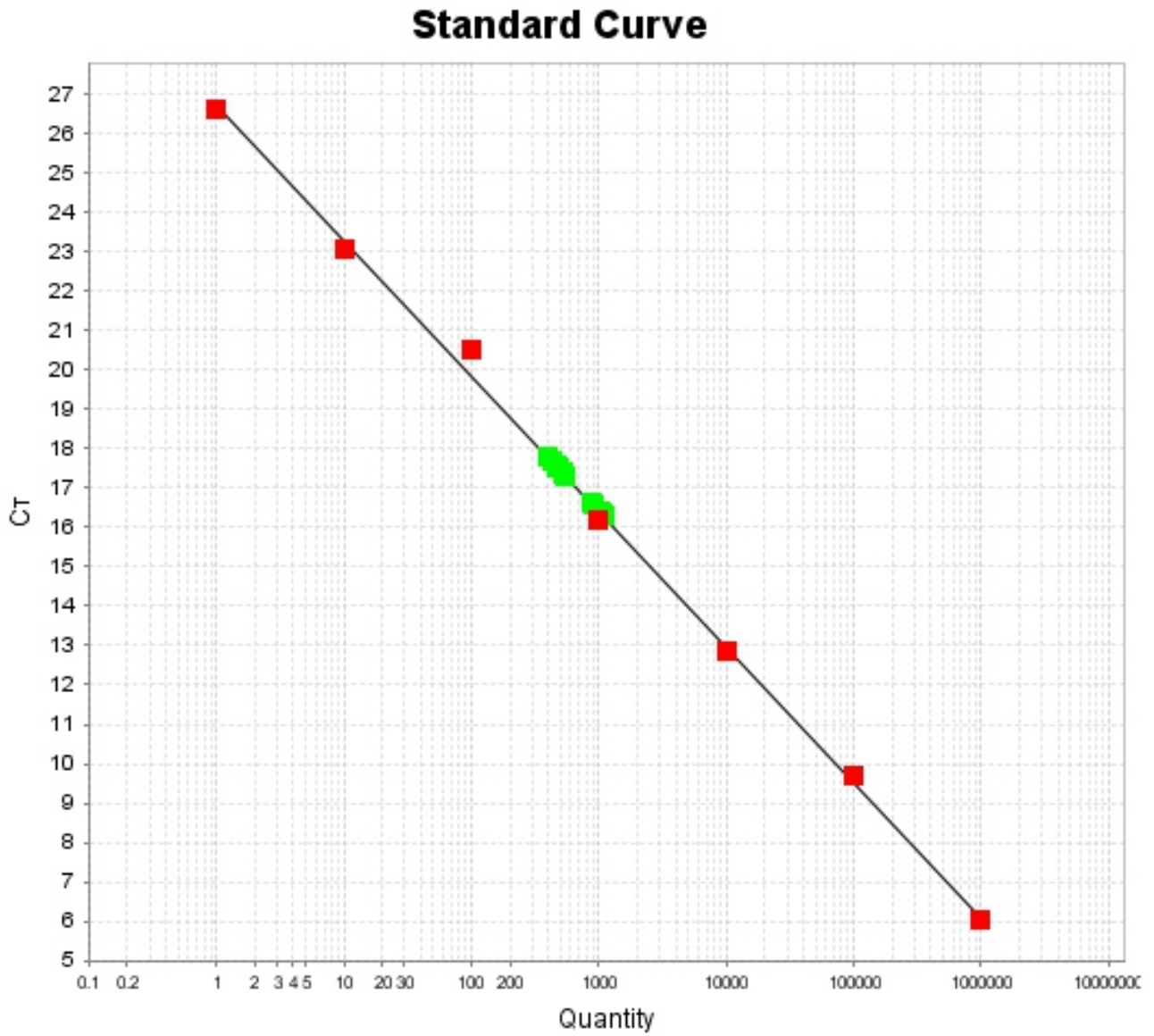
# Figure S23 Standard Curve psmc3



**Target:** Target 1 **Slope:** -3.412 **Y-Inter:** 29.5 **R<sup>2</sup>:** 0.999 **Eff%:** 96.378 **Error:** 0.039

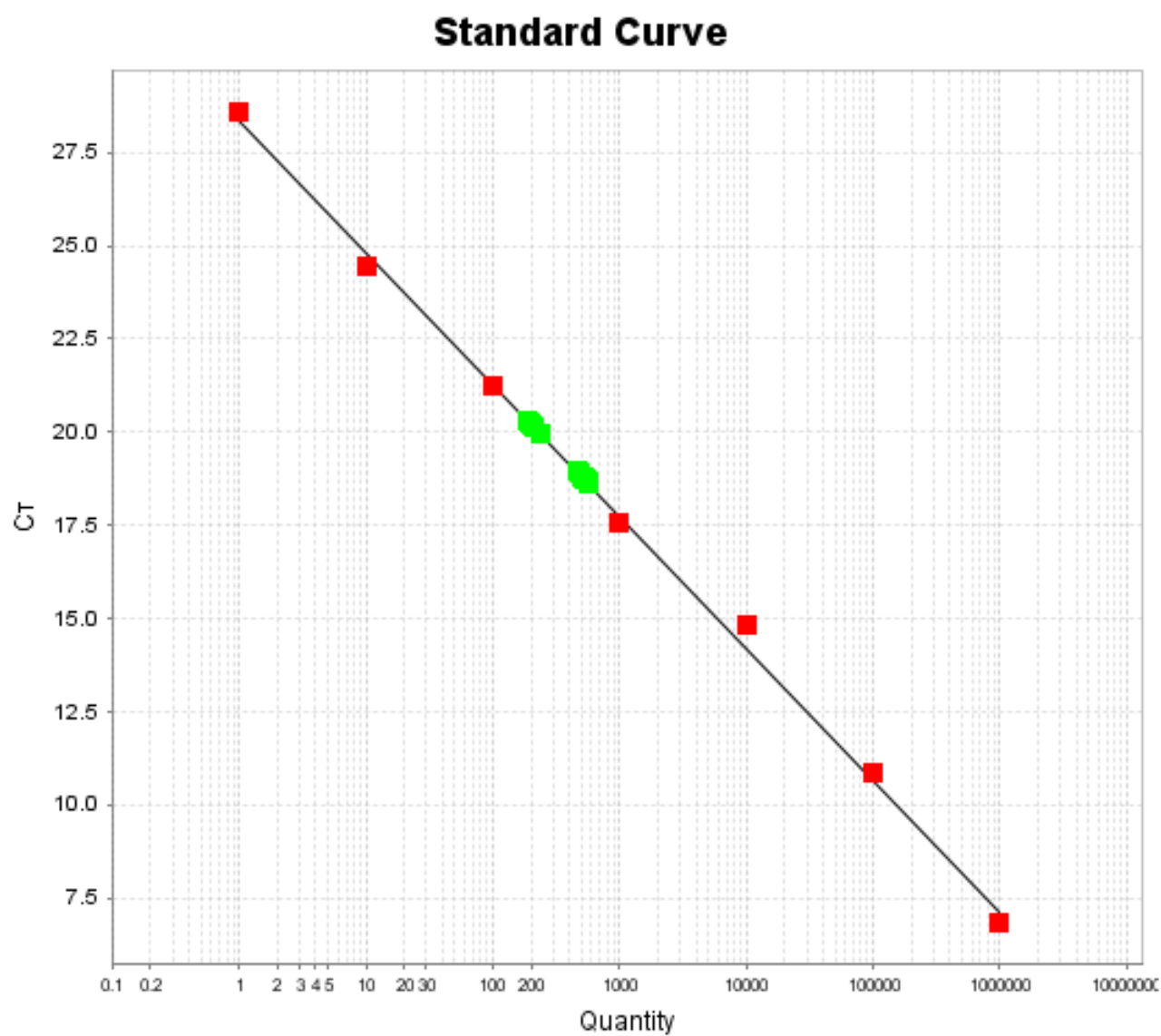


# Figure S24 Standard Curve psmc6



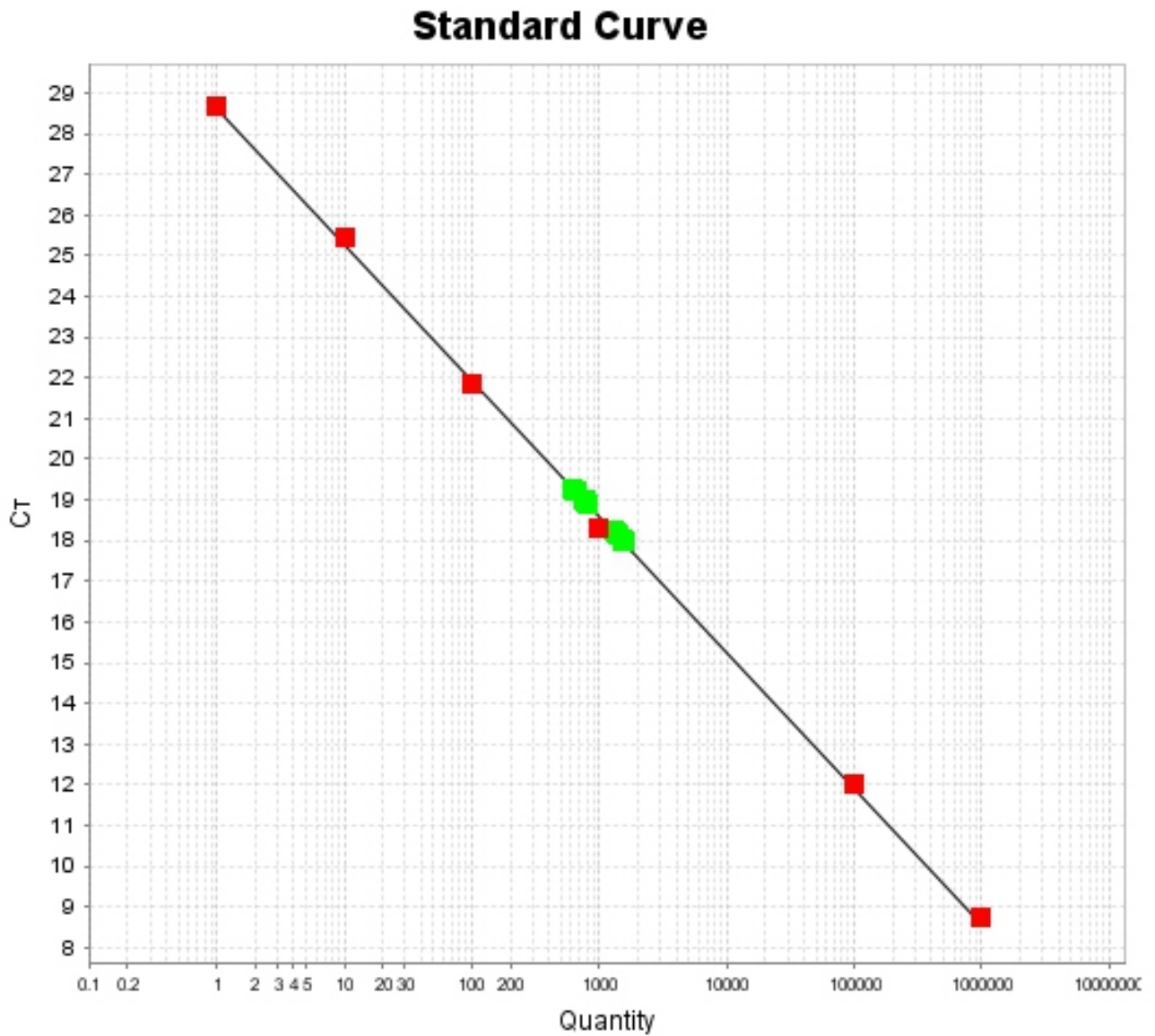
**Target:** Target 1 **Slope:** -3.442 **Y-Inter:** 26.755 **R<sup>2</sup>:** 0.998 **Eff%:** 95.218 **Error:** 0.066

# Figure S25 Standard Curve psmd4a



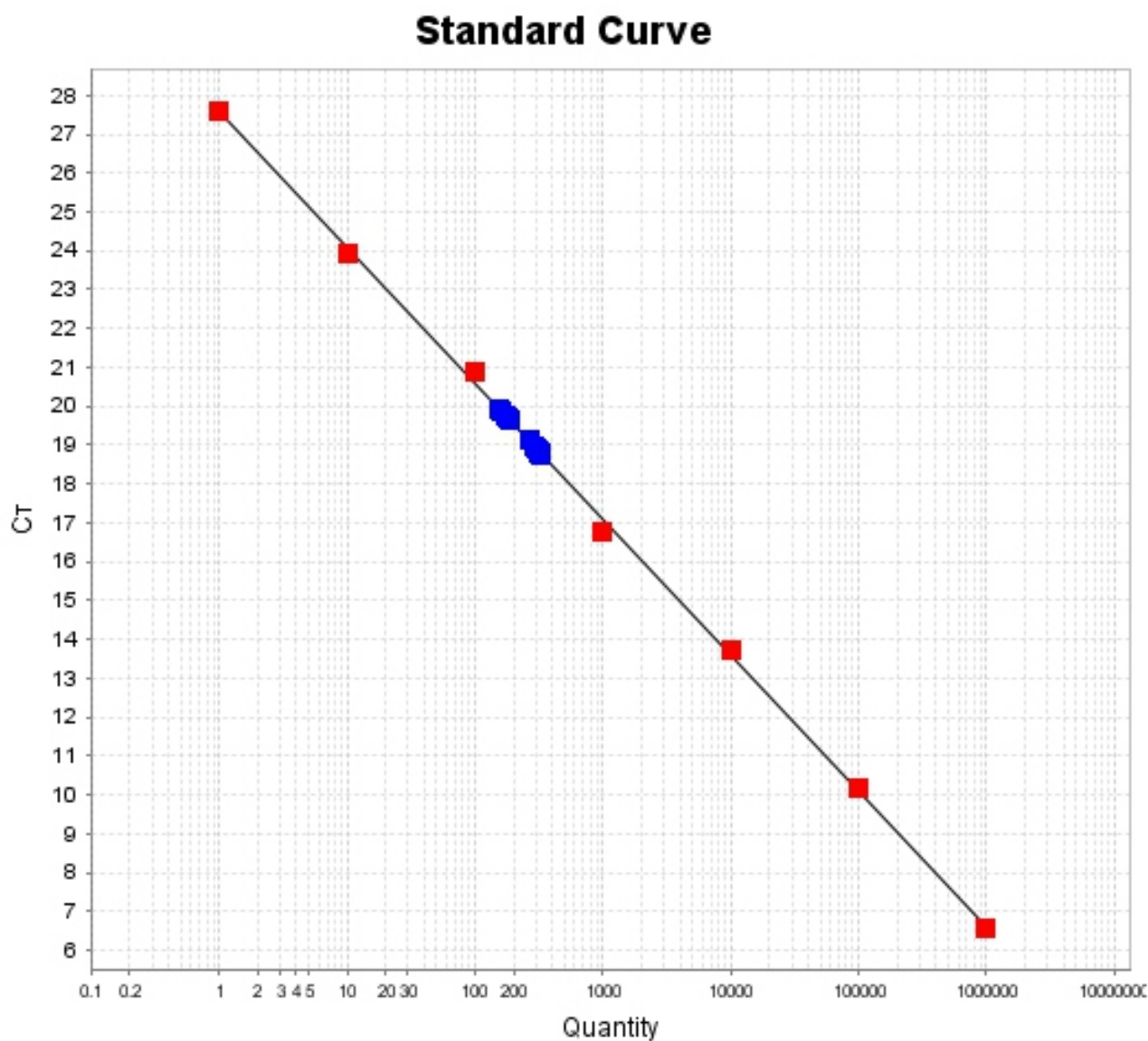
**Target:** Target 1 **Slope:** -3.537 **Y-Inter:** 28.374 **R<sup>2</sup>:** 0.998 **Eff%:** 91.746 **Error:** 0.073

# Figure S26 Standard Curve psmd8



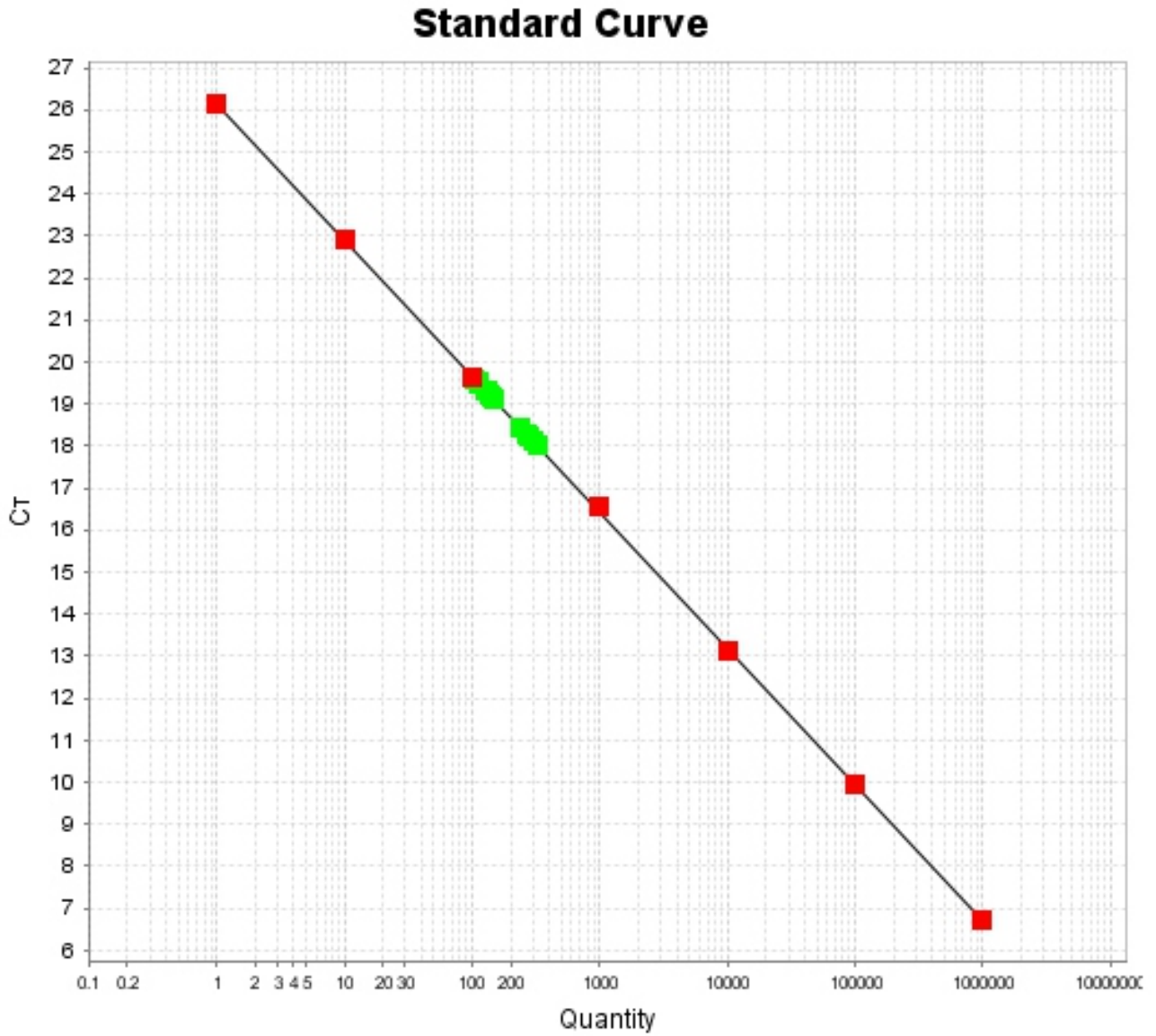
**Target:** Target 1 **Slope:** -3.335 **Y-Inter:** 28.621 **R<sup>2</sup>:** 0.999 **Eff%:** 99.457 **Error:** 0.039

# Figure S27 Standard Curve psmd11a



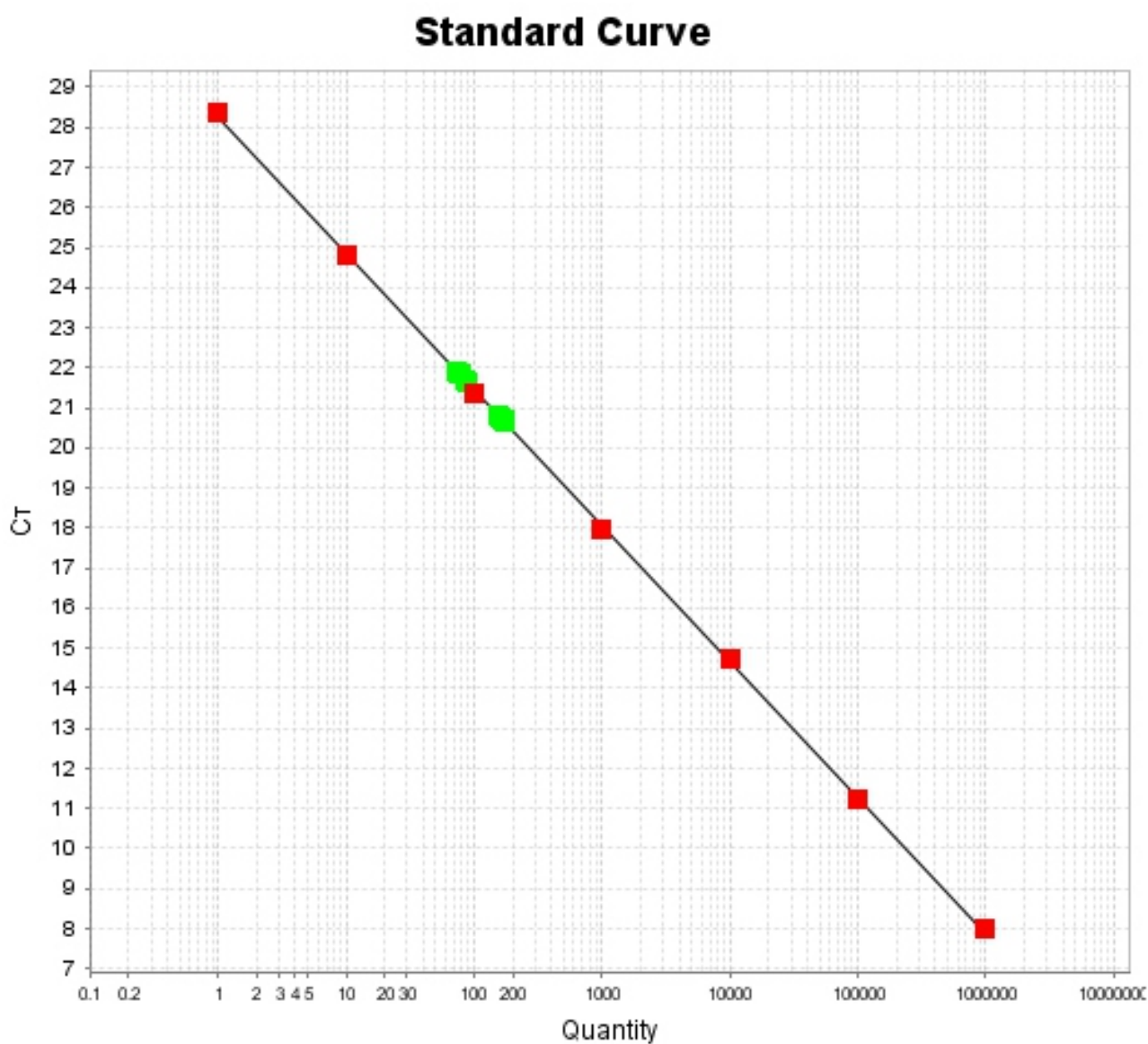
**Target:** Target 1 **Slope:** -3.494 **Y-Inter:** 27.572 **R<sup>2</sup>:** 0.999 **Eff%:** 93.284 **Error:** 0.044

# Figure S28 Standard Curve psme3



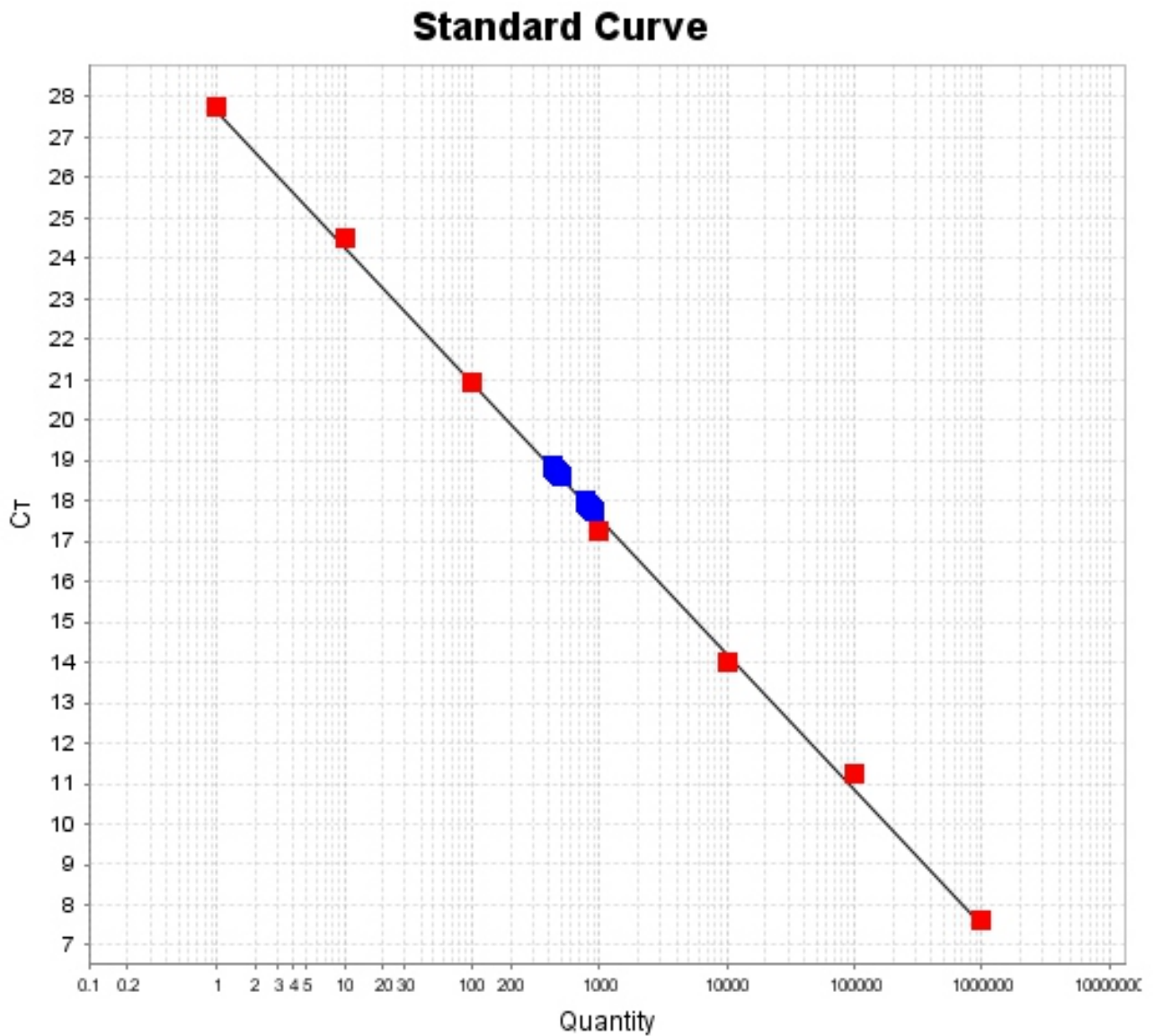
**Target:** Target 1 **Slope:** -3.242 **Y-Inter:** 26.154 **R<sup>2</sup>:** 1 **Eff%:** 103.438 **Error:** 0.015

# Figure S29 Standard Curve psme4b



**Target:** Target 1 **Slope:** -3.39 **Y-Inter:** 28.246 **R<sup>2</sup>:** 1 **Eff%:** 97.236 **Error:** 0.02

# Figure S30 Standard Curve sirp71-45k5.4



**Target:** Target 1 **Slope:** -3.356 **Y-Inter:** 27.673 **R<sup>2</sup>:** 0.999 **Eff%:** 98.61 **Error:** 0.05