

Figure 1B

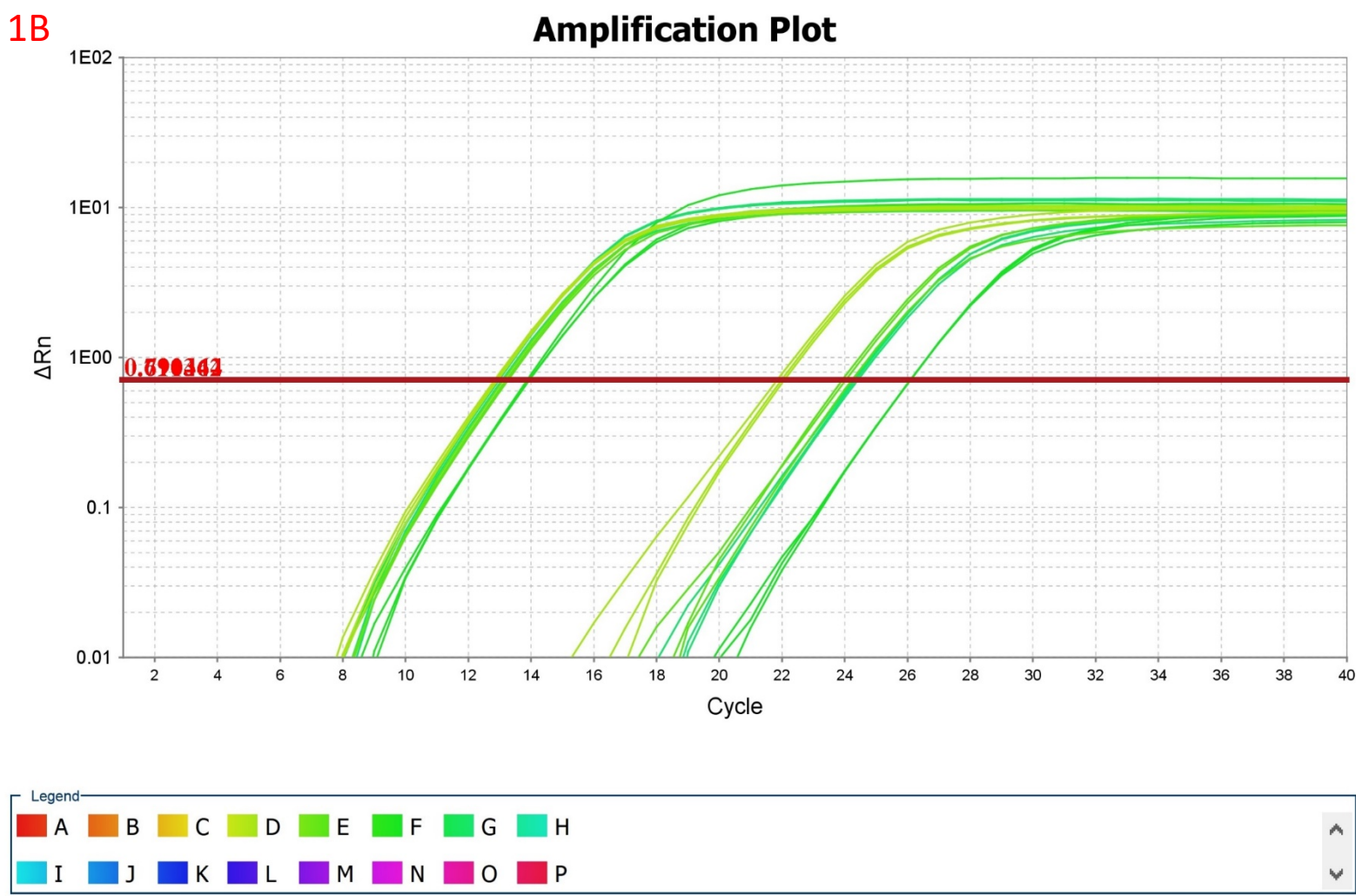


Figure 1B

[illegible]

Figure 1B

Melt Curve Plot

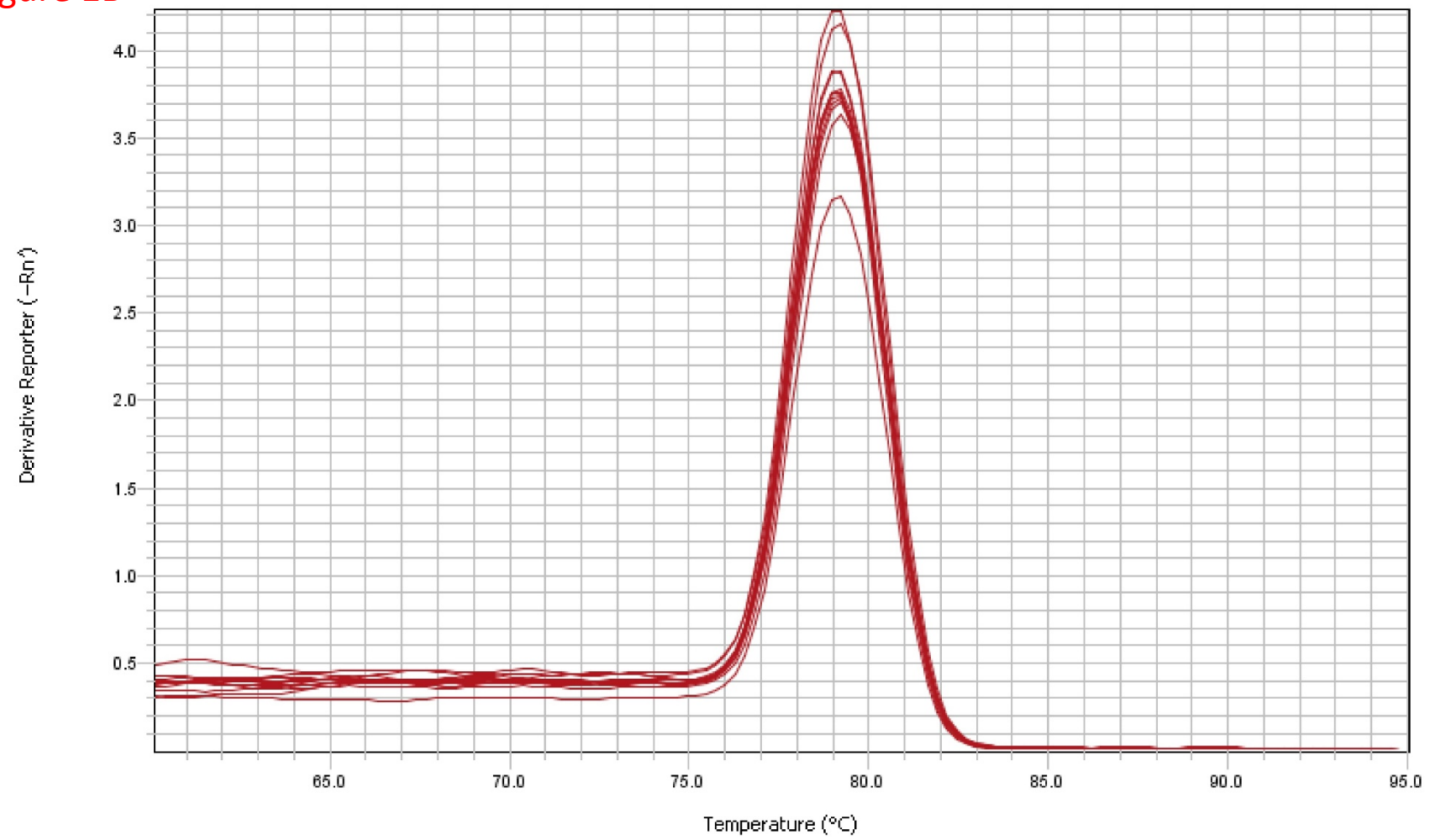


Figure 1B

Melt Curve Plot

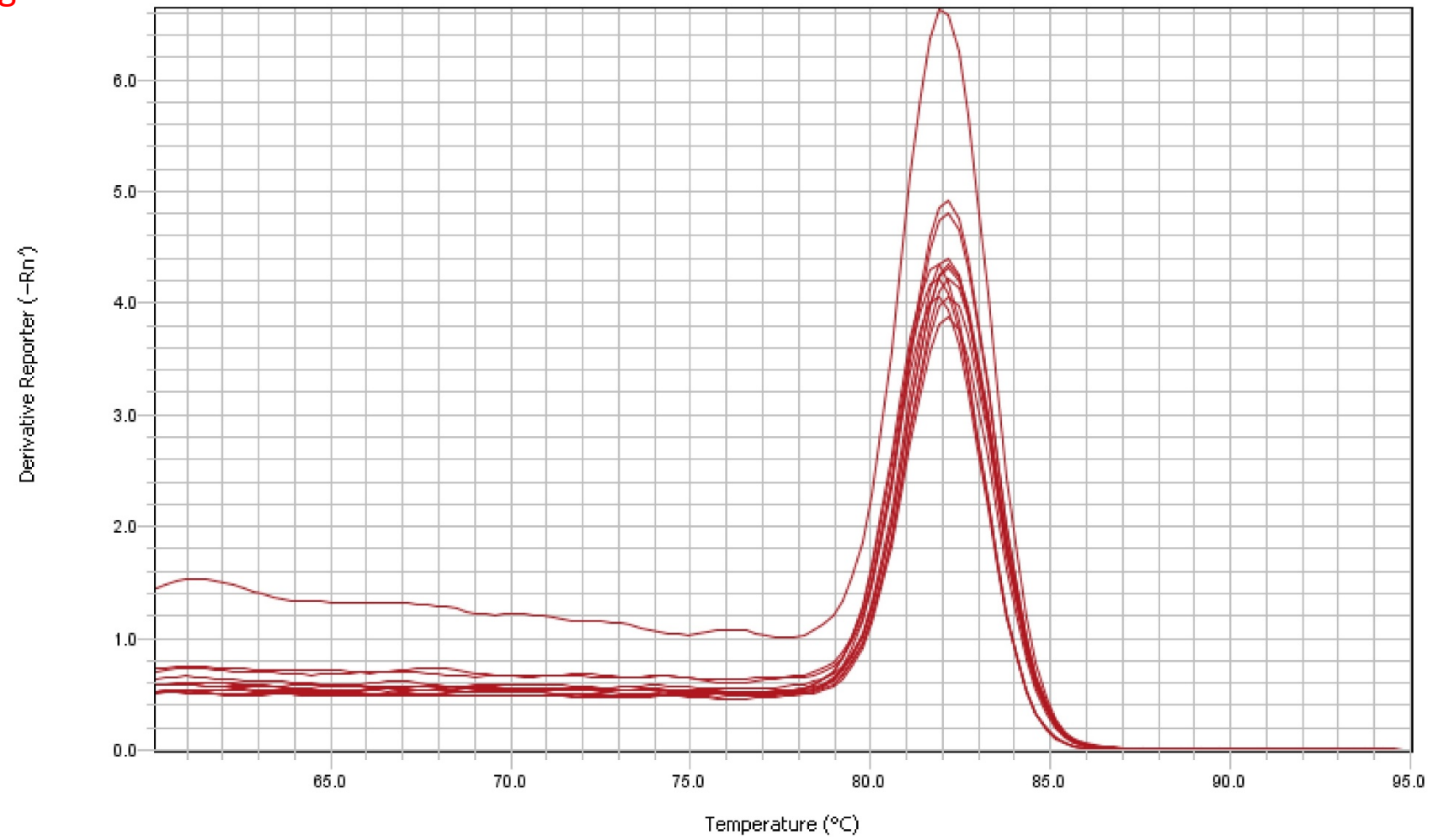


Figure 1C

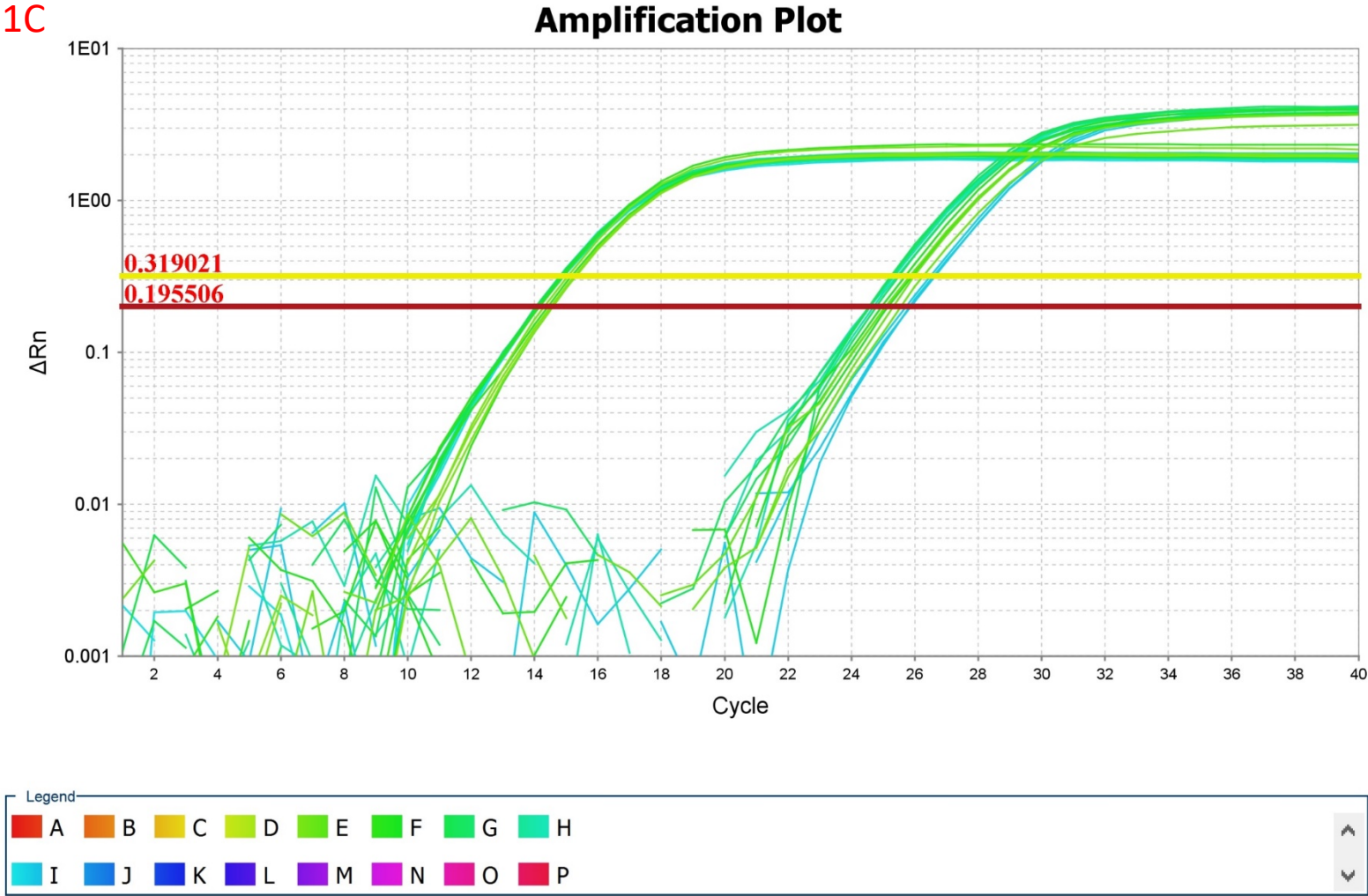


Figure 1C

Melt Curve Plot

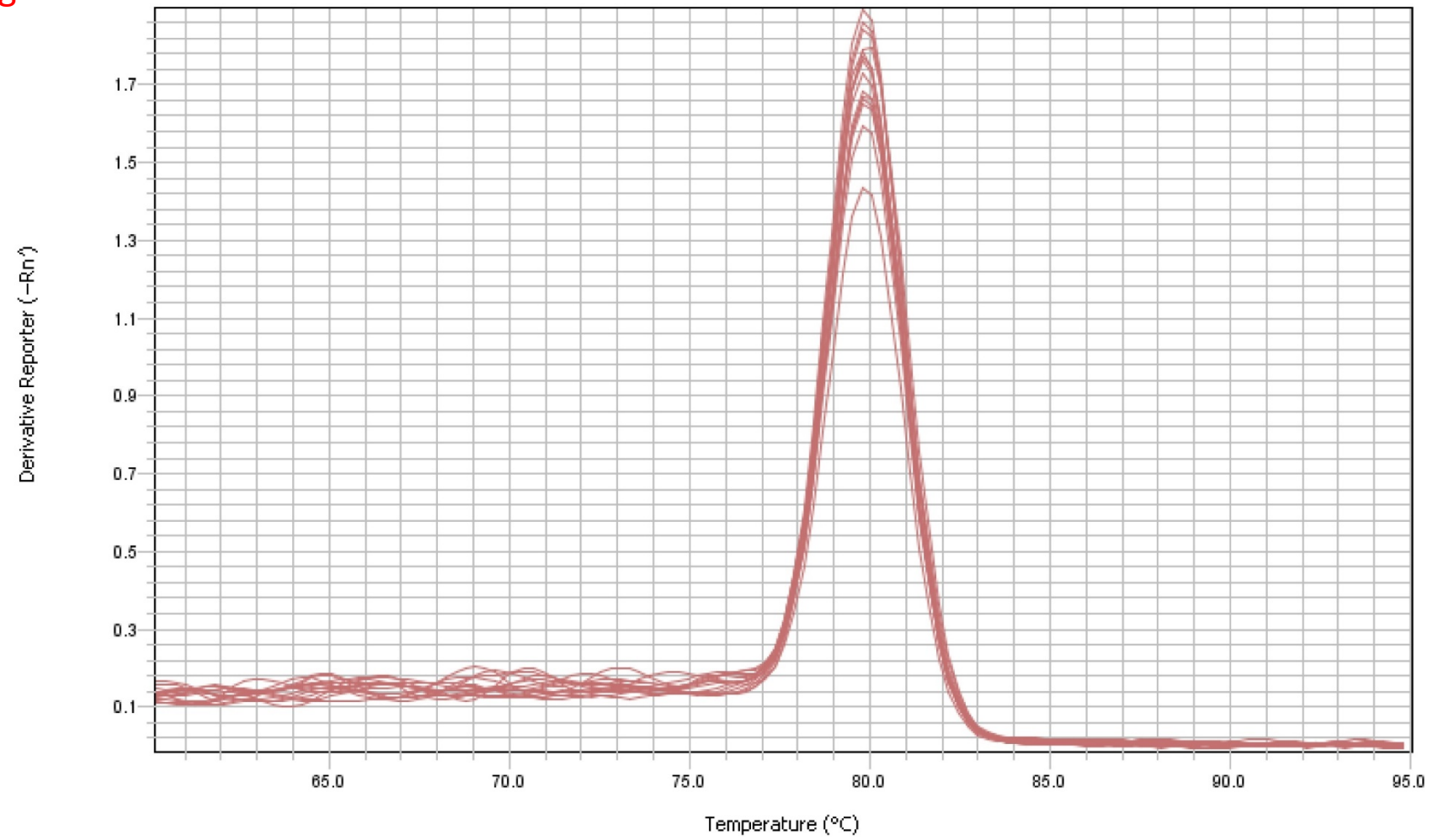


Figure 1C

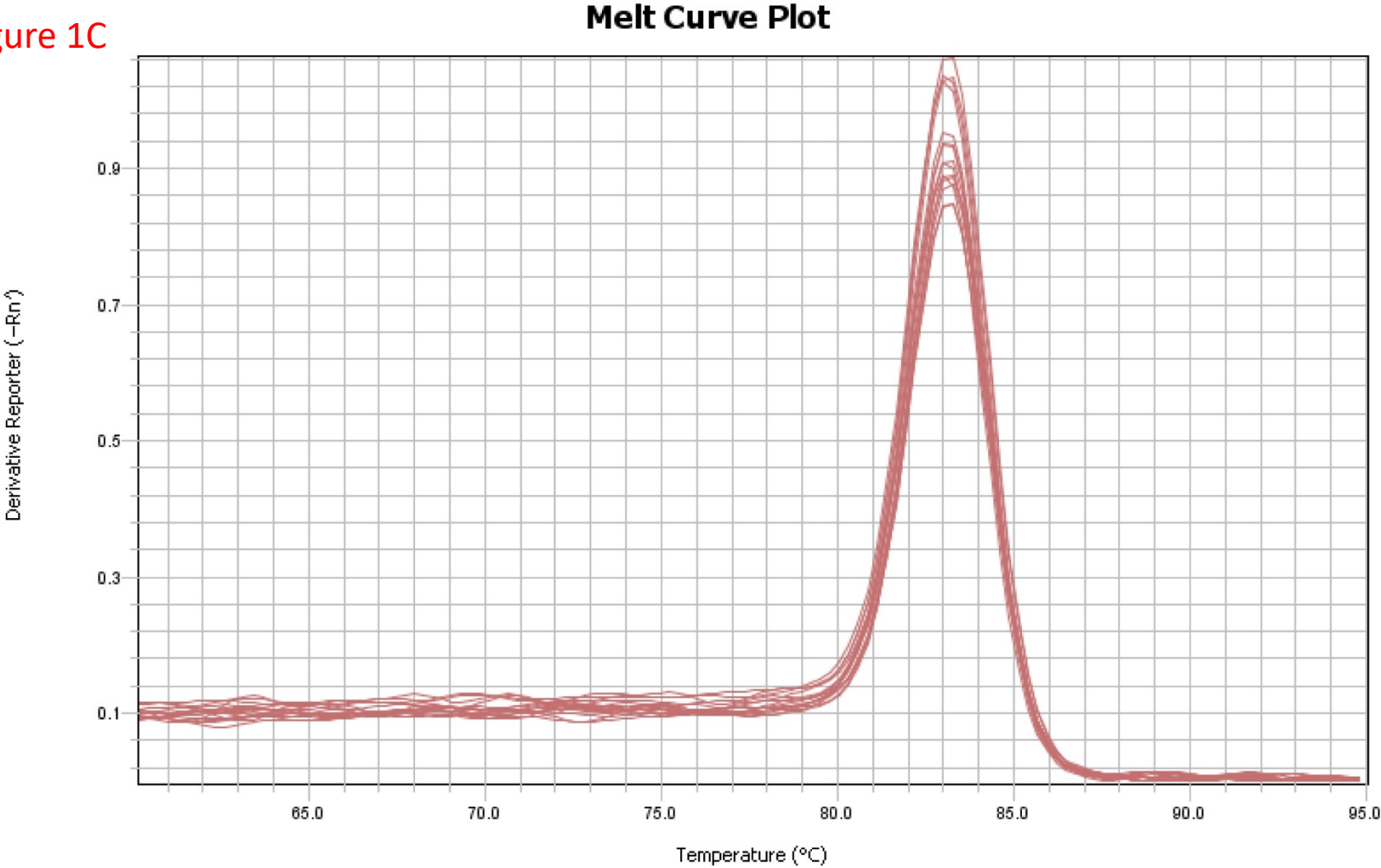


Figure 1C

Block Typ 384-Well Block																	
Calibrator Yes																	
Calibrator 2016-01-20 10:12:38 AM CST																	
Calibrator Yes																	
Calibrator 2016-01-20 10:28:26 AM CST																	
Calibrator Yes																	
Calibrator 2016-01-20 10:44:55 AM CST																	
Calibrator Yes																	
Calibrator 2016-01-20 10:05:17 AM CST																	
Calibrator Yes																	
Calibrator 2016-01-20 11:25:36 AM CST																	
Calibrator Yes																	
Calibrator 2016-01-20 10:35:50 AM CST																	
Calibrator Yes																	
Calibrator 2016-01-20 11:02:33 AM CST																	
Calibrator Yes																	
Calibrator 2016-01-20 10:20:14 AM CST																	
Calibrator Yes																	
Calibrator 2016-01-20 10:54:46 AM CST																	
Chemistry SYBR_GREEN																	
Experiment Barcode																	
Experiment Comments																	
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Experimr 2019-05-31 S1																	
Experimr 2019-05-31 20:30:32 PM CST																	
Experimr Comparative Cr (ΔΔCt)																	
Experiment User Name																	
Instrument 278862256																	
Instrument 278862256																	
Instrument V/A 7																	
Passive R/RX																	
Quantifica Ct																	
Signal Sm t r n s e																	
Stage/ Cy Stage 2, Step 2																	
Well	Well Pos	Omit	Sample Name	Target Name	Task	Reporter	Quencher	Quantity	Quantity I	Quantity S	RQ	RQ Min	RQ Max	CT	Ct Mean	Ct SD	Delta Ct
97 E1	FALSE	DU 145 CON	H-GAPDH	UNKNOWN	SYBR	None								14.268			
98 E2	FALSE	DU 145 CON	H-GAPDH	UNKNOWN	SYBR	None								14.455			
99 E3	FALSE	DU 145 CON	H-GAPDH	UNKNOWN	SYBR	None								14.505			
100 E13	FALSE	DU 145 CON	H-CDKL3	UNKNOWN	SYBR	None								25.852			
110 E14	FALSE	DU 145 CON	H-CDKL3	UNKNOWN	SYBR	None								25.989			
111 E15	FALSE	DU 145 CON	H-CDKL3	UNKNOWN	SYBR	None								26.261			
121 F1	FALSE	DU 145-shCtfr	H-GAPDH	UNKNOWN	SYBR	None								14.102			
122 F2	FALSE	DU 145-shCtfr	H-GAPDH	UNKNOWN	SYBR	None								14.355			
123 F3	FALSE	DU 145-shCtfr	H-GAPDH	UNKNOWN	SYBR	None								14.501			
133 F13	FALSE	DU 145-shCtfr	H-CDKL3	UNKNOWN	SYBR	None								25.705			
134 F14	FALSE	DU 145-shCtfr	H-CDKL3	UNKNOWN	SYBR	None								25.864			
135 F15	FALSE	DU 145-shCtfr	H-CDKL3	UNKNOWN	SYBR	None								25.937			
145 G1	FALSE	DU 145-shCDKL3-2	H-GAPDH	UNKNOWN	SYBR	None								13.988			
146 G2	FALSE	DU 145-shCDKL3-2	H-GAPDH	UNKNOWN	SYBR	None								13.989			
147 G3	FALSE	DU 145-shCDKL3-2	H-GAPDH	UNKNOWN	SYBR	None								14.021			
157 G13	FALSE	DU 145-shCDKL3-2	H-CDKL3	UNKNOWN	SYBR	None								25.245			
158 G14	FALSE	DU 145-shCDKL3-3	H-CDKL3	UNKNOWN	SYBR	None								25.262			
159 G15	FALSE	DU 145-shCDKL3-2	H-CDKL3	UNKNOWN	SYBR	None								25.386			
169 H1	FALSE	DU 145-shCDKL3-3	H-GAPDH	UNKNOWN	SYBR	None								13.993			
170 H2	FALSE	DU 145-shCDKL3-3	H-GAPDH	UNKNOWN	SYBR	None								14.047			
171 H3	FALSE	DU 145-shCDKL3-3	H-GAPDH	UNKNOWN	SYBR	None								14.067			
181 H13	FALSE	DU 145-shCDKL3-3	H-CDKL3	UNKNOWN	SYBR	None								13.956			
182 H14	FALSE	DU 145-shCDKL3-3	H-CDKL3	UNKNOWN	SYBR	None								25.333			
183 H15	FALSE	DU 145-shCDKL3-3	H-CDKL3	UNKNOWN	SYBR	None								25.459			
193 I1	FALSE	DU 145-shCDKL3-1	H-GAPDH	UNKNOWN	SYBR	None								13.888			
194 I2	FALSE	DU 145-shCDKL3-1	H-GAPDH	UNKNOWN	SYBR	None								13.964			
195 I3	FALSE	DU 145-shCDKL3-1	H-GAPDH	UNKNOWN	SYBR	None								13.993			
205 I13	FALSE	DU 145-shCDKL3-1	H-CDKL3	UNKNOWN	SYBR	None								26.510			
206 I14	FALSE	DU 145-shCDKL3-1	H-CDKL3	UNKNOWN	SYBR	None								26.620			
207 I15	FALSE	DU 145-shCDKL3-1	H-CDKL3	UNKNOWN	SYBR	None								26.646			
Analysis 1 Singleplex																	
Endogenous Control																	
RQ Min Max 0																	
Reference Sample																	

Figure 2A
DU 145

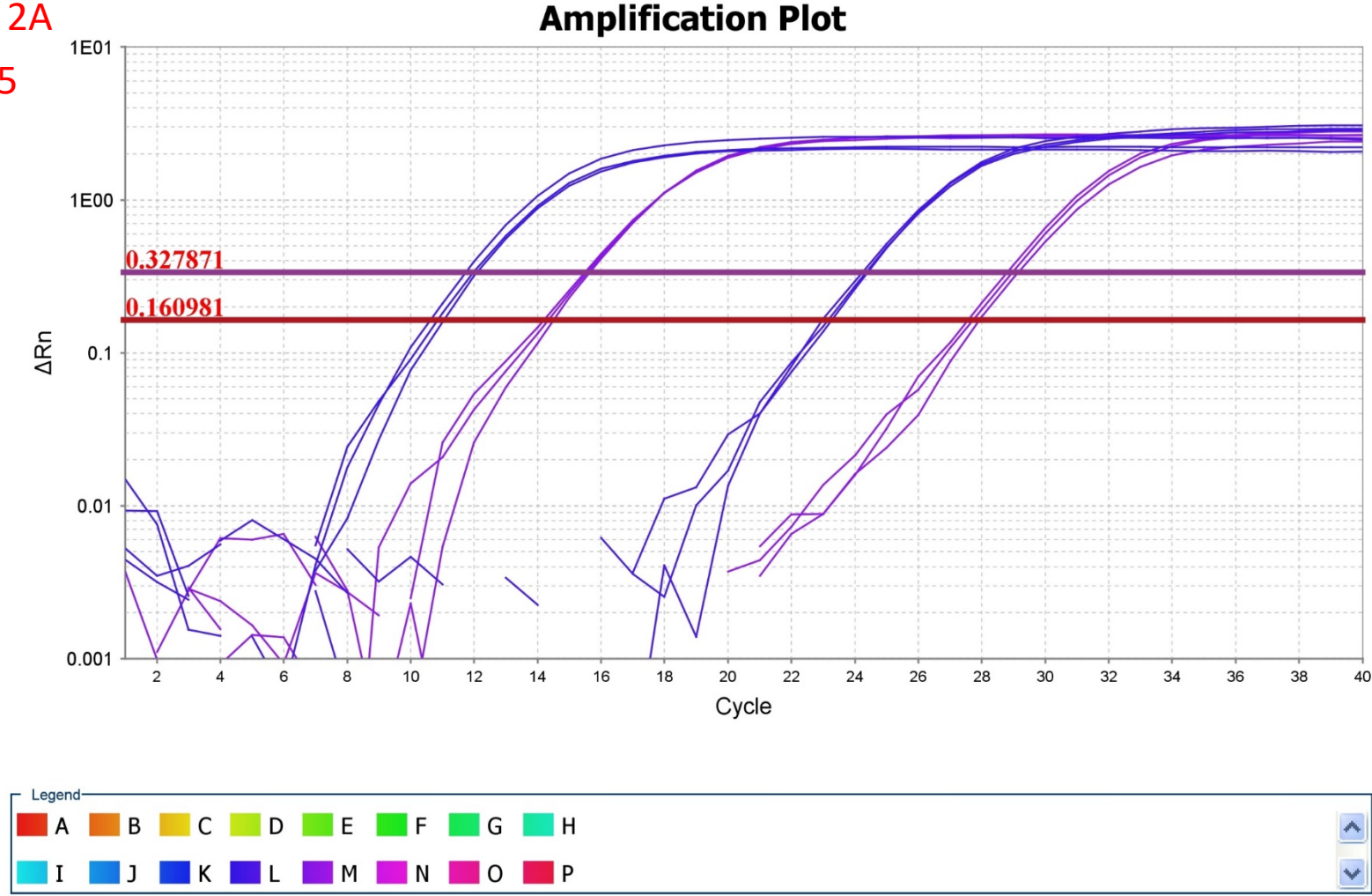


Figure 2A

DU 145

Block Type 96-Well Block (0.2mL)																																																																																																																																																																																																																																																																																																																																																				
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Well	Well Posit	Omit	Sample Name	Target Name	Task	Reporter	Quencher	Quantity	Quantity 1	Quantity 2	Quantity 3	Quantity 4	Quantity 5	Quantity 6	Quantity 7	Quantity 8	Quantity 9	Quantity 10	Quantity 11	Quantity 12	Quantity 13	Quantity 14	Quantity 15	Quantity 16	Quantity 17	Quantity 18	Quantity 19	Quantity 20	Quantity 21	Quantity 22	Quantity 23	Quantity 24	Quantity 25	Quantity 26	Quantity 27	Quantity 28	Quantity 29	Quantity 30	Quantity 31	Quantity 32	Quantity 33	Quantity 34	Quantity 35	Quantity 36	Quantity 37	Quantity 38	Quantity 39	Quantity 40	Quantity 41	Quantity 42	Quantity 43	Quantity 44	Quantity 45	Quantity 46	Quantity 47	Quantity 48	Quantity 49	Quantity 50	Quantity 51	Quantity 52	Quantity 53	Quantity 54	Quantity 55	Quantity 56	Quantity 57	Quantity 58	Quantity 59	Quantity 60	Quantity 61	Quantity 62	Quantity 63	Quantity 64	Quantity 65	Quantity 66	Quantity 67	Quantity 68	Quantity 69	Quantity 70	Quantity 71	Quantity 72	Quantity 73	Quantity 74	Quantity 75	Quantity 76	Quantity 77	Quantity 78	Quantity 79	Quantity 80	Quantity 81	Quantity 82	Quantity 83	Quantity 84	Quantity 85	Quantity 86	Quantity 87	Quantity 88	Quantity 89	Quantity 90	Quantity 91	Quantity 92	Quantity 93	Quantity 94	Quantity 95	Quantity 96	Quantity 97	Quantity 98	Quantity 99	Quantity 100	Quantity 101	Quantity 102	Quantity 103	Quantity 104	Quantity 105	Quantity 106	Quantity 107	Quantity 108	Quantity 109	Quantity 110	Quantity 111	Quantity 112	Quantity 113	Quantity 114	Quantity 115	Quantity 116	Quantity 117	Quantity 118	Quantity 119	Quantity 120	Quantity 121	Quantity 122	Quantity 123	Quantity 124	Quantity 125	Quantity 126	Quantity 127	Quantity 128	Quantity 129	Quantity 130	Quantity 131	Quantity 132	Quantity 133	Quantity 134	Quantity 135	Quantity 136	Quantity 137	Quantity 138	Quantity 139	Quantity 140	Quantity 141	Quantity 142	Quantity 143	Quantity 144	Quantity 145	Quantity 146	Quantity 147	Quantity 148	Quantity 149	Quantity 150	Quantity 151	Quantity 152	Quantity 153	Quantity 154	Quantity 155	Quantity 156	Quantity 157	Quantity 158	Quantity 159	Quantity 160	Quantity 161	Quantity 162	Quantity 163	Quantity 164	Quantity 165	Quantity 166	Quantity 167	Quantity 168	Quantity 169	Quantity 170	Quantity 171	Quantity 172	Quantity 173	Quantity 174	Quantity 175	Quantity 176	Quantity 177	Quantity 178	Quantity 179	Quantity 180	Quantity 181	Quantity 182	Quantity 183	Quantity 184	Quantity 185	Quantity 186	Quantity 187	Quantity 188	Quantity 189	Quantity 190	Quantity 191	Quantity 192	Quantity 193	Quantity 194	Quantity 195	Quantity 196	Quantity 197	Quantity 198	Quantity 199	Quantity 200	Quantity 201	Quantity 202	Quantity 203	Quantity 204	Quantity 205	Quantity 206	Quantity 207	Quantity 208	Quantity 209	Quantity 210	Quantity 211	Quantity 212	Quantity 213	Quantity 214	Quantity 215	Quantity 216	Quantity 217	Quantity 218	Quantity 219	Quantity 220	Quantity 221	Quantity 222	Quantity 223	Quantity 224	Quantity 225	Quantity 226	Quantity 227	Quantity 228	Quantity 229	Quantity 230	Quantity 231	Quantity 232	Quantity 233	Quantity 234	Quantity 235	Quantity 236	Quantity 237	Quantity 238	Quantity 239	Quantity 240	Quantity 241	Quantity 242	Quantity 243	Quantity 244	Quantity 245	Quantity 246	Quantity 247	Quantity 248	Quantity 249	Quantity 250	Quantity 251	Quantity 252	Quantity 253	Quantity 254	Quantity 255	Quantity 256	Quantity 257	Quantity 258	Quantity 259	Quantity 260	Quantity 261	Quantity 262	Quantity 263	Quantity 264	Quantity 265	Quantity 266	Quantity 267	Quantity 268	Quantity 269	Quantity 270	Quantity 271	Quantity 272	Quantity 273	Quantity 274	Quantity 275	Quantity 276	Quantity 277	Quantity 278	Quantity 279	Quantity 280	Quantity 281	Quantity 282	Quantity 283	Quantity 284	Quantity 285	Quantity 286	Quantity 287	Quantity 288	Quantity 289	Quantity 290	Quantity 291	Quantity 292	Quantity 293	Quantity 294	Quantity 295	Quantity 296	Quantity 297	Quantity 298	Quantity 299	Quantity 300	Quantity 301	Quantity 302	Quantity 303	Quantity 304	Quantity 305	Quantity 306	Quantity 307	Quantity 308	Quantity 309	Quantity 310	Quantity 311	Quantity 312	Quantity 313	Quantity 314	Quantity 315	Quantity 316	Quantity 317	Quantity 318	Quantity 319	Quantity 320	Quantity 321	Quantity 322	Quantity 323	Quantity 324	Quantity 325	Quantity 326	Quantity 327	Quantity 328	Quantity 329	Quantity 330	Quantity 331	Quantity 332

Figure 2A

DU 145

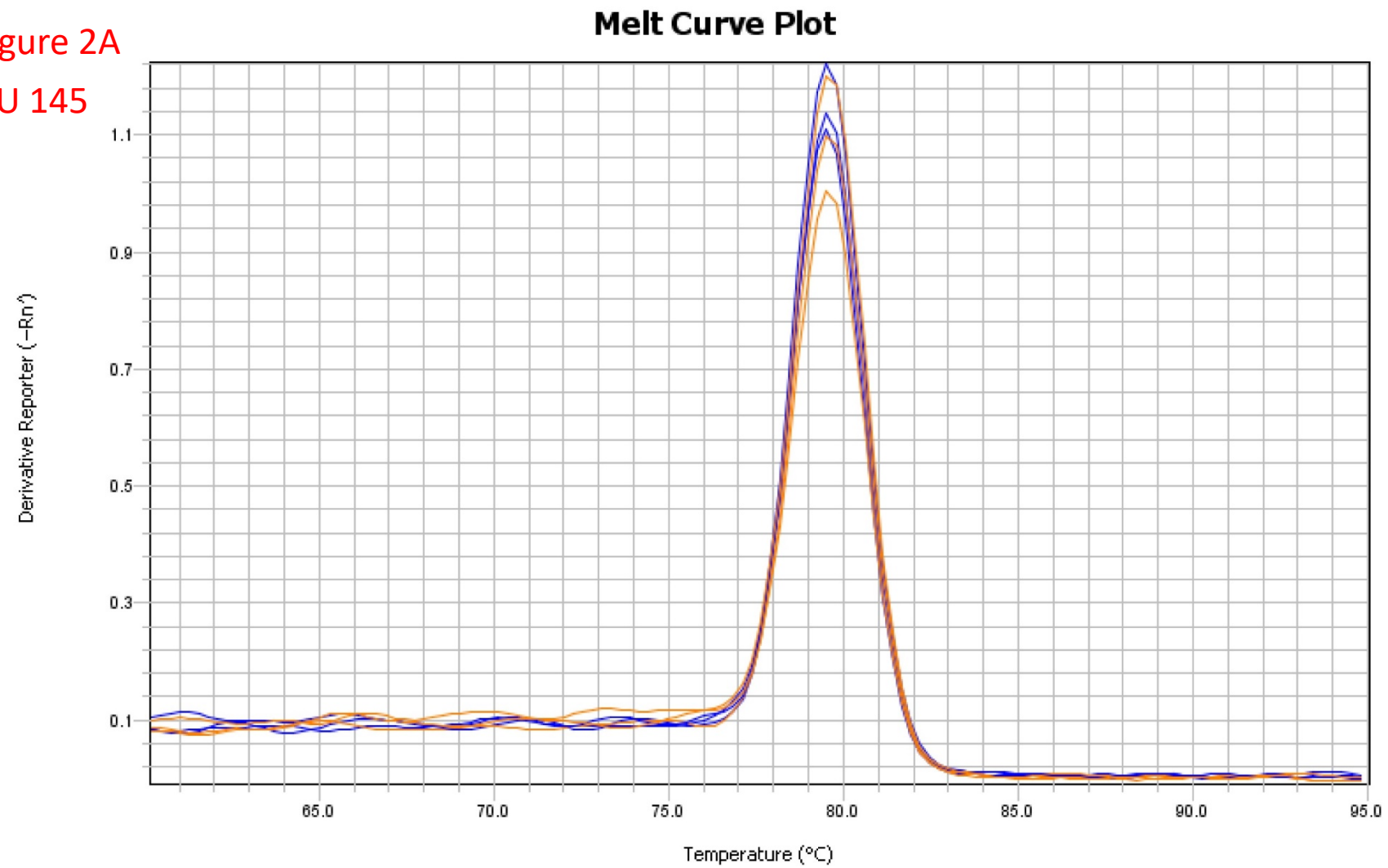


Figure 2A

DU 145

Melt Curve Plot

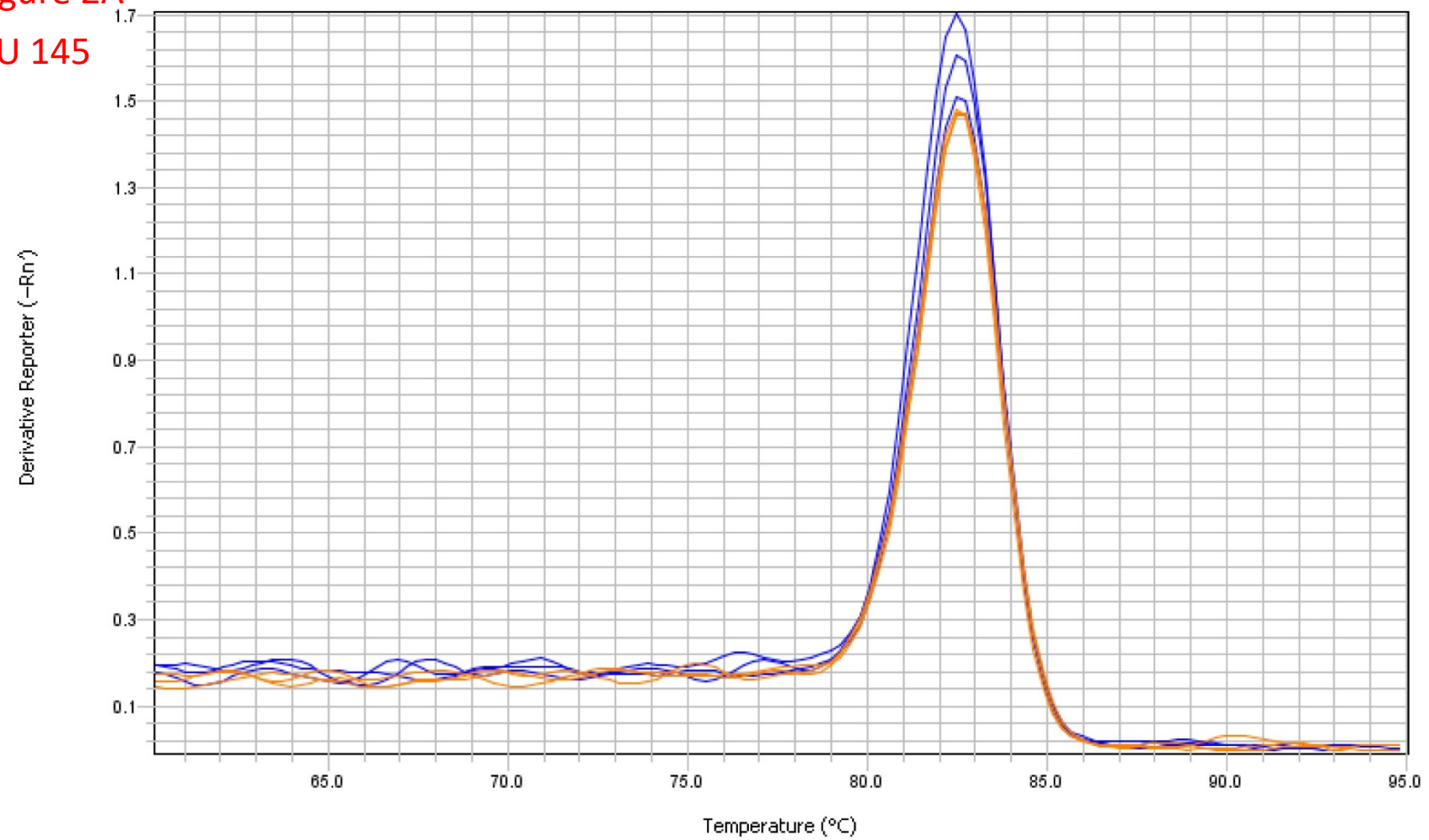
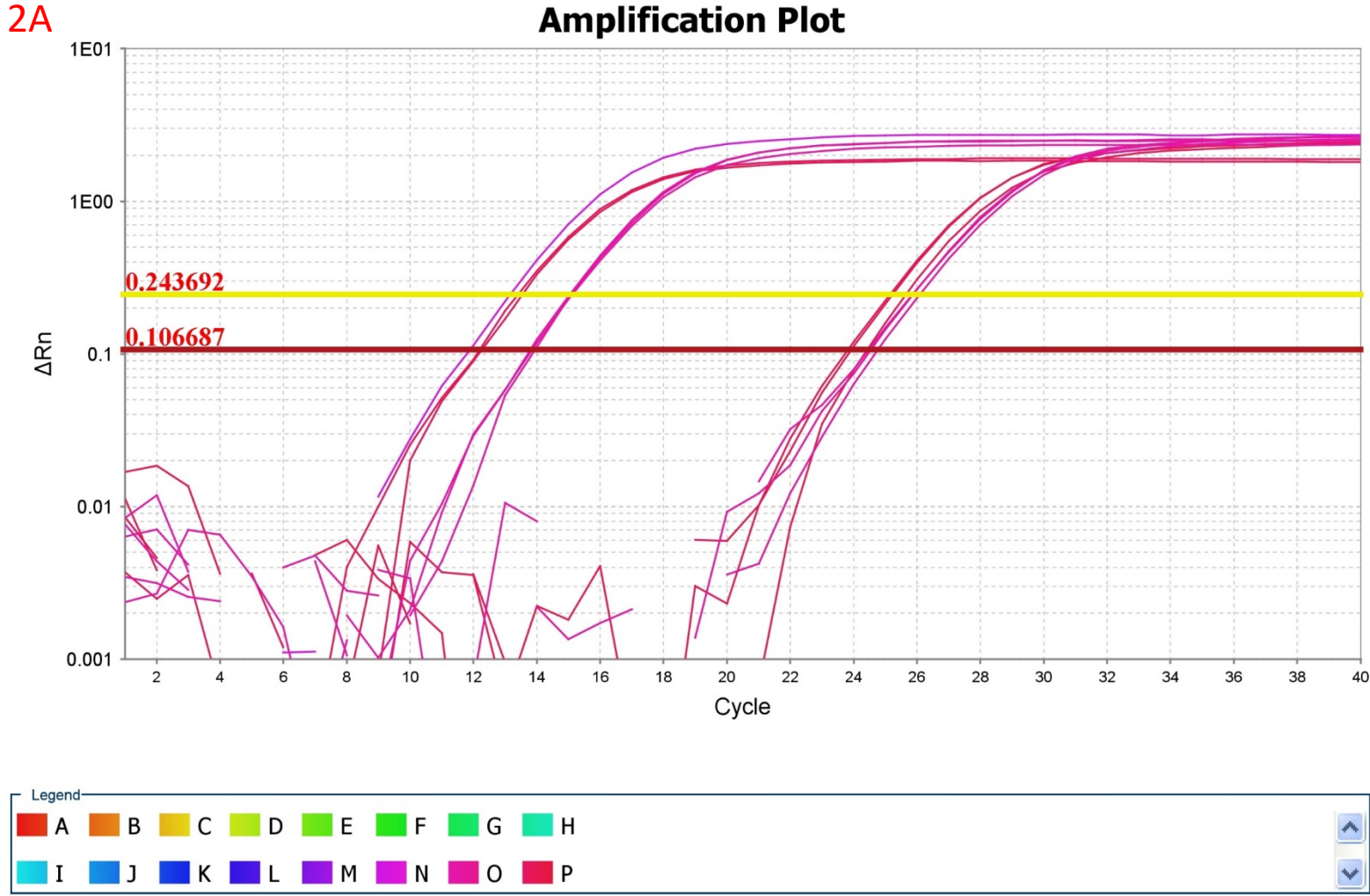


Figure 2A
PC-3



PC-3

Block Type: 384-Well Block																
Calibration Yes																
Calibration 2016-01-20 10:12:38 AM CST																
Calibration Yes																
Calibration 2016-01-20 10:28:26 AM CST																
Calibration Yes																
Calibration 2016-01-20 10:44:55 AM CST																
Calibration Yes																
Calibration 2016-01-20 10:05:17 AM CST																
Calibration Yes																
Calibration 2016-01-20 11:25:36 AM CST																
Calibration Yes																
Calibration 2016-01-20 10:35:50 AM CST																
Calibration Yes																
Calibration 2016-01-20 11:02:33 AM CST																
Calibration Yes																
Calibration 2016-01-20 10:20:14 AM CST																
Calibration Yes																
Calibration 2016-01-20 10:54:46 AM CST																
Chemistry SYBR_GREEN																
Experiment Barcode																
Experiment Comments																
Experiment File Name																
Experiment 2018-07-27 151603																
Experiment 2018-07-28 00:36:49 AM CST																
Experiment Comparative Ct (ΔΔCt)																
Experiment User Name																
Instrument 278882256																
Instrument 278882256																
Instrument Via A 7																
Passive Reference ROX																
Quantification																
Signal Sm true																
Stage/ Cycle Stage 2, Step 2																
Well	Well Posit	Omit	Sample Name	Target Name	Task	Reporter	Quencher	Quantity	Quantity N	Quantity S RQ	RQ Min	RQ Max	CT	Ct Mean	Ct SD	Delta Ct
343	O7	FALSE	PC-3-shCtrl	H-GAPDH	UNKNOWN	SYBR	None						13.923			
344	O8	FALSE	PC-3-shCtrl	H-GAPDH	UNKNOWN	SYBR	None						13.958			
345	O9	FALSE	PC-3-shCtrl	H-GAPDH	UNKNOWN	SYBR	None						14.032			
346	O10	FALSE	PC-3-shCtrl	H-CDKL3	UNKNOWN	SYBR	None						25.857			
347	O11	FALSE	PC-3-shCtrl	H-CDKL3	UNKNOWN	SYBR	None						25.838			
348	O12	FALSE	PC-3-shCtrl	H-CDKL3	UNKNOWN	SYBR	None						26.040			
367	P7	FALSE	PC-3-shCDKL3	H-GAPDH	UNKNOWN	SYBR	None						12.241			
368	P8	FALSE	PC-3-shCDKL3	H-GAPDH	UNKNOWN	SYBR	None						12.375			
369	P9	FALSE	PC-3-shCDKL3	H-GAPDH	UNKNOWN	SYBR	None						11.927			
370	P10	FALSE	PC-3-shCDKL3	H-CDKL3	UNKNOWN	SYBR	None						25.088			
371	P11	FALSE	PC-3-shCDKL3	H-CDKL3	UNKNOWN	SYBR	None						25.499			
372	P12	FALSE	PC-3-shCDKL3	H-CDKL3	UNKNOWN	SYBR	None						25.163			
Analysis T: Singleplex																
Endogenous Control																
RQ Min/M: 95.0																
Reference Sample																

Figure 2A

PC-3

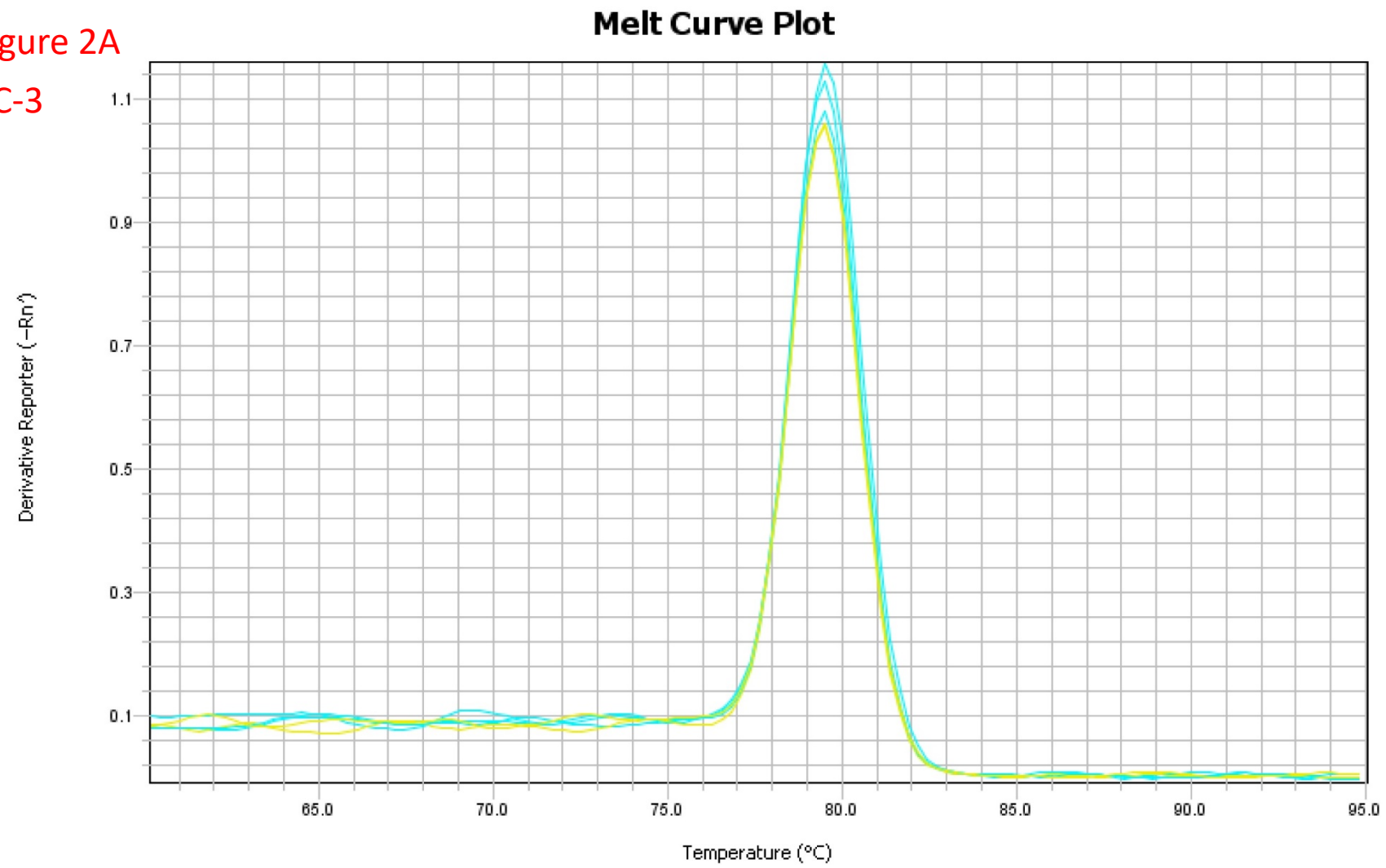


Figure 2A

PC-3

Melt Curve Plot

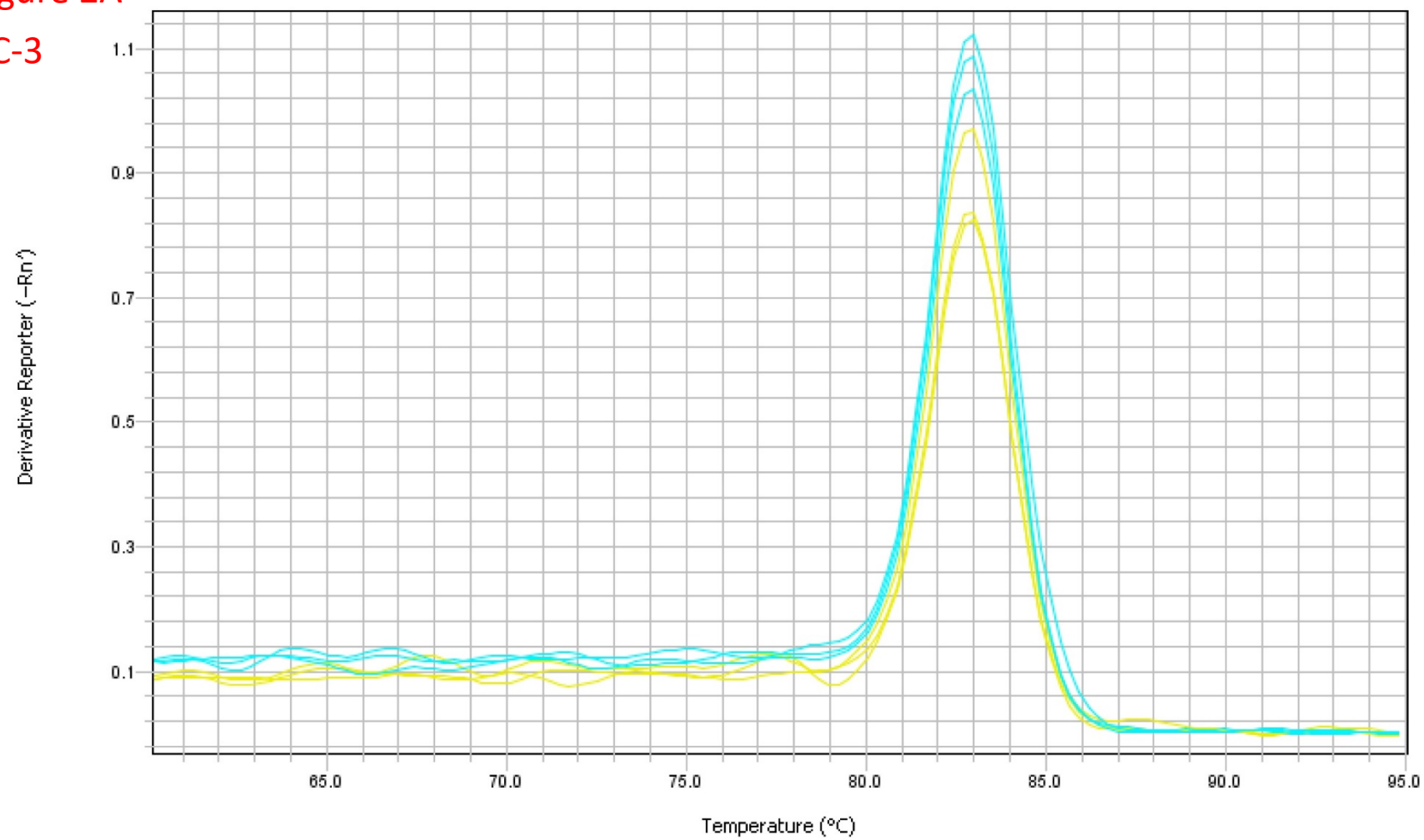
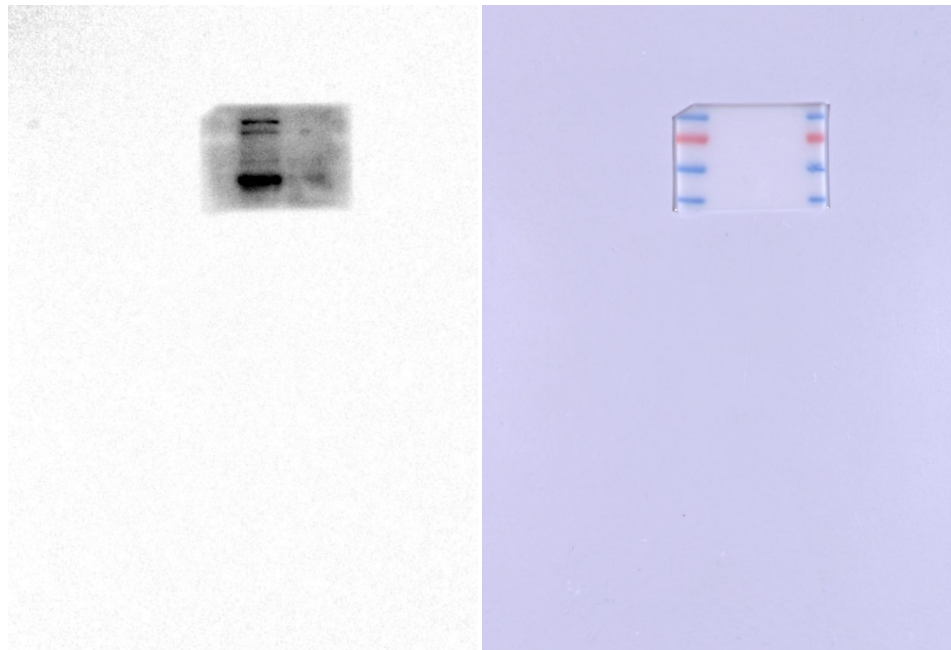
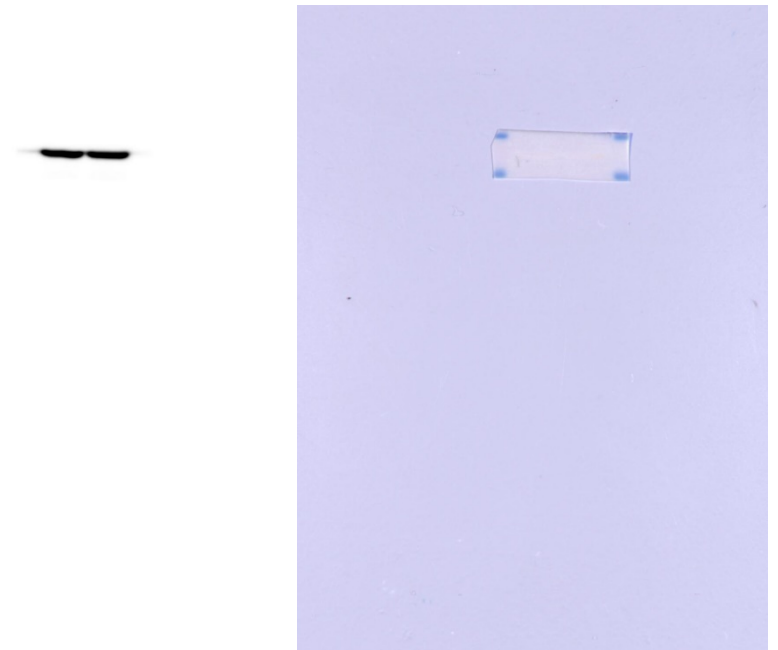


Figure 2A

DU 145



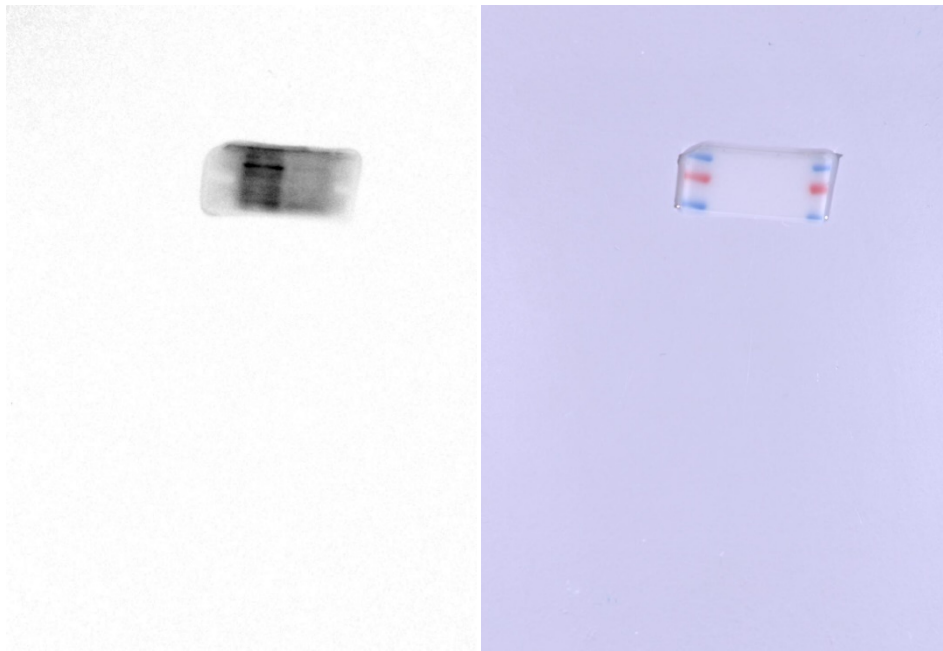
DU145 CDKL3



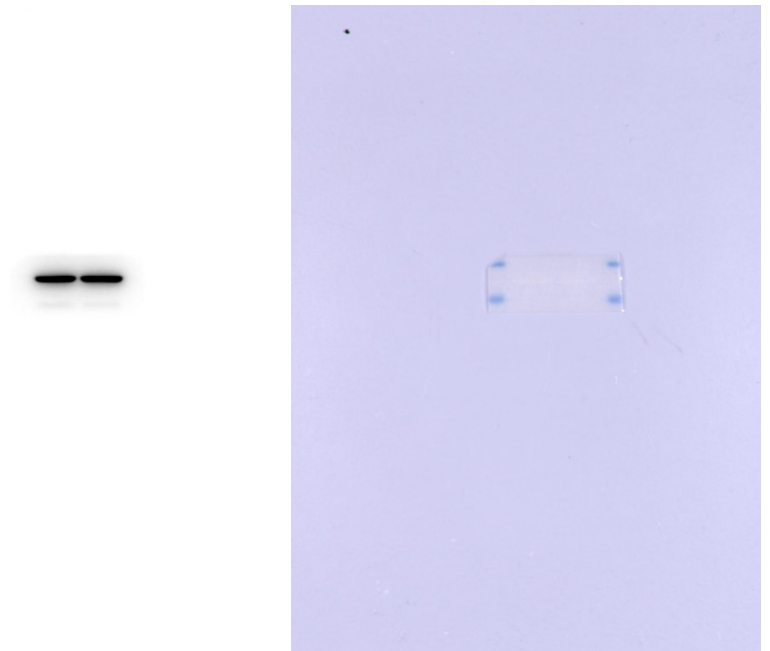
DU145 GAPDH

Figure 2A

PC-3

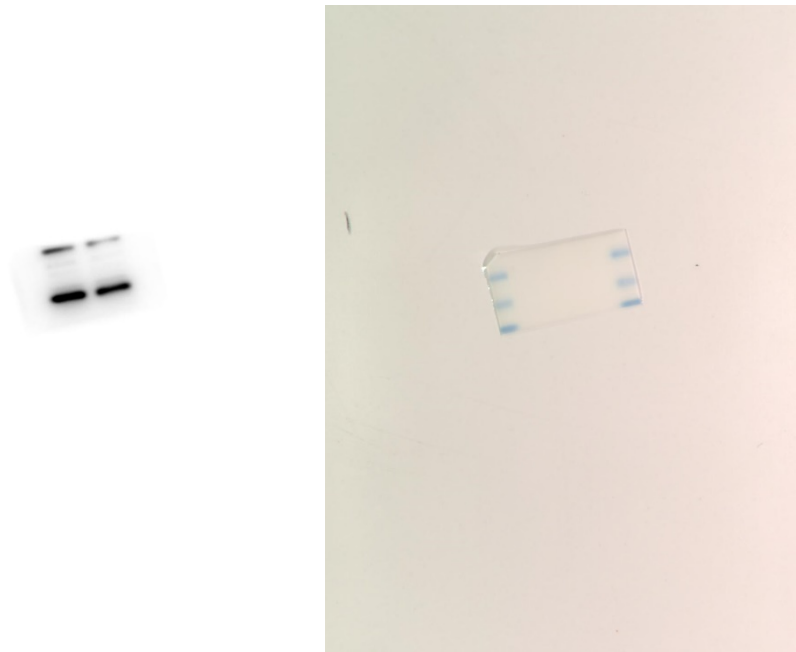


PC-3 CDKL3

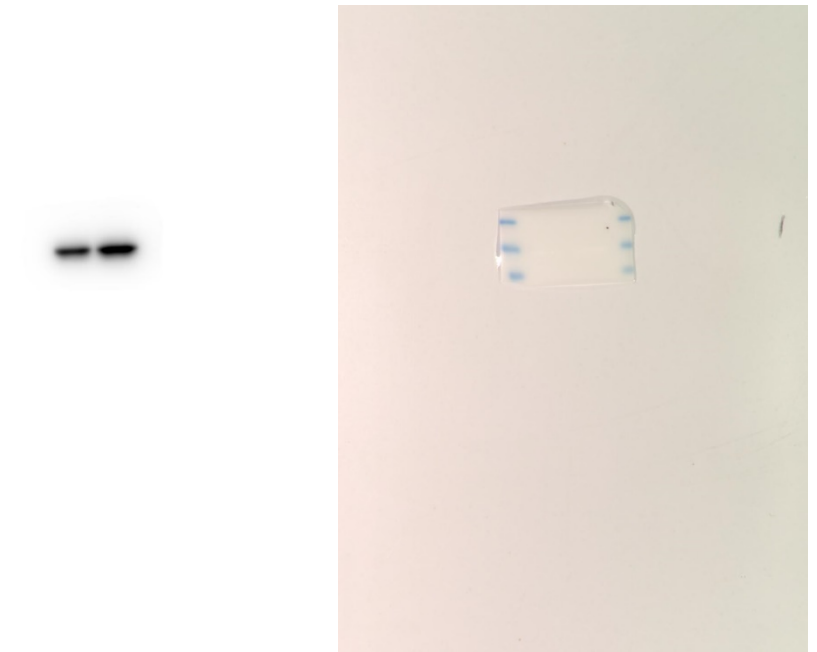


PC-3 GAPDH

Figure 2G and S3 DU 145



Bcl-2

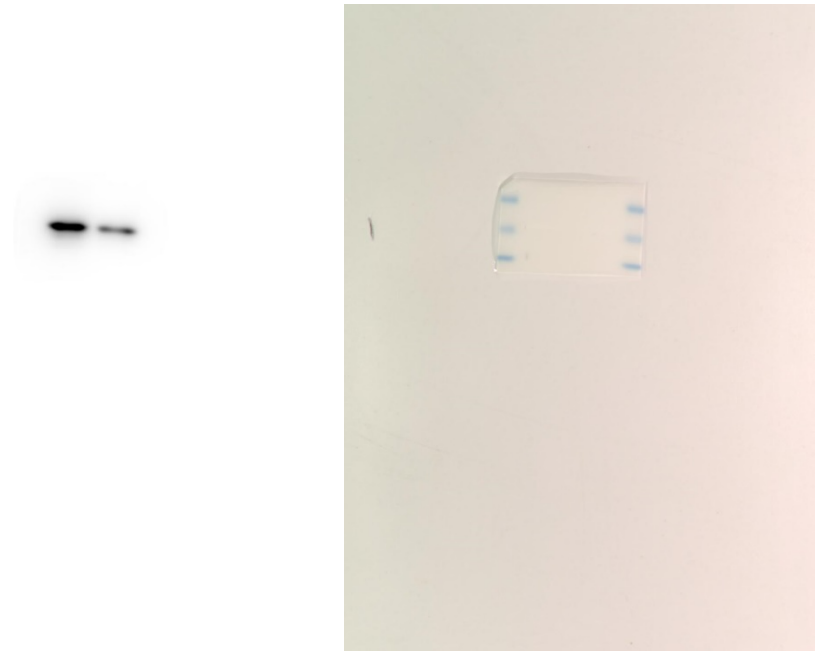


Caspase-3

Figure 2G and S3 DU 145



GAPDH

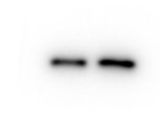


HSP27

Figure 2G and S3 PC-3



Bcl-2



Caspase-3

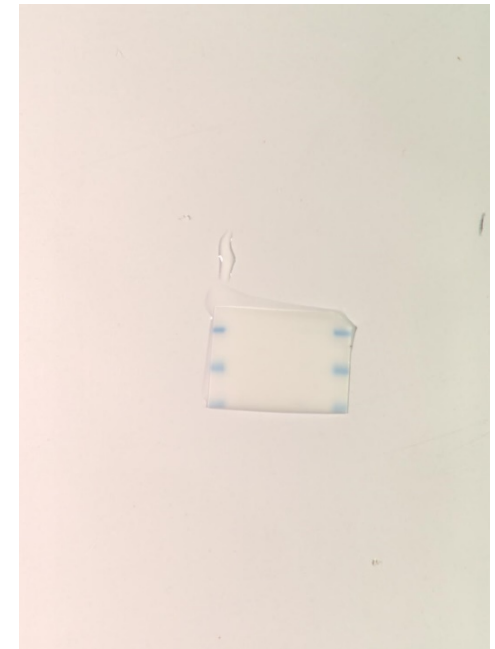
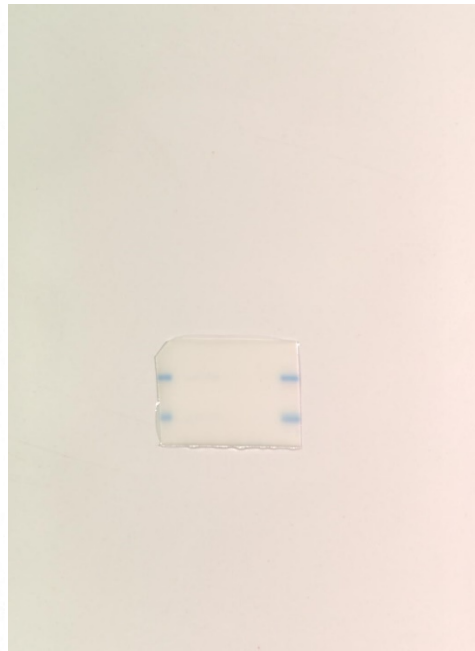


Figure 2G and S3 PC-3



GAPDH



HSP27

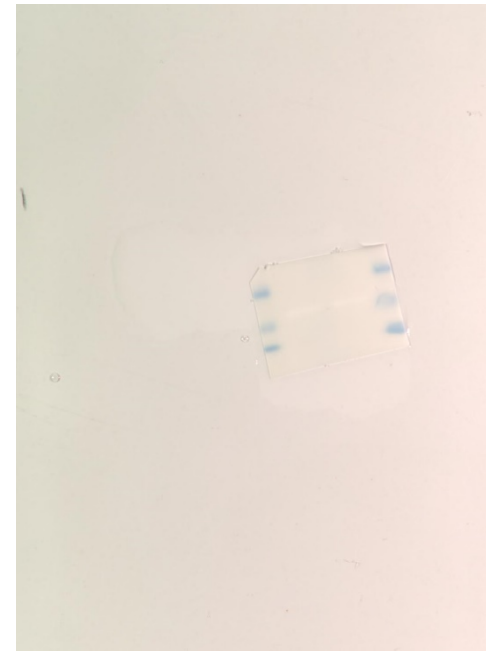


Figure 4B

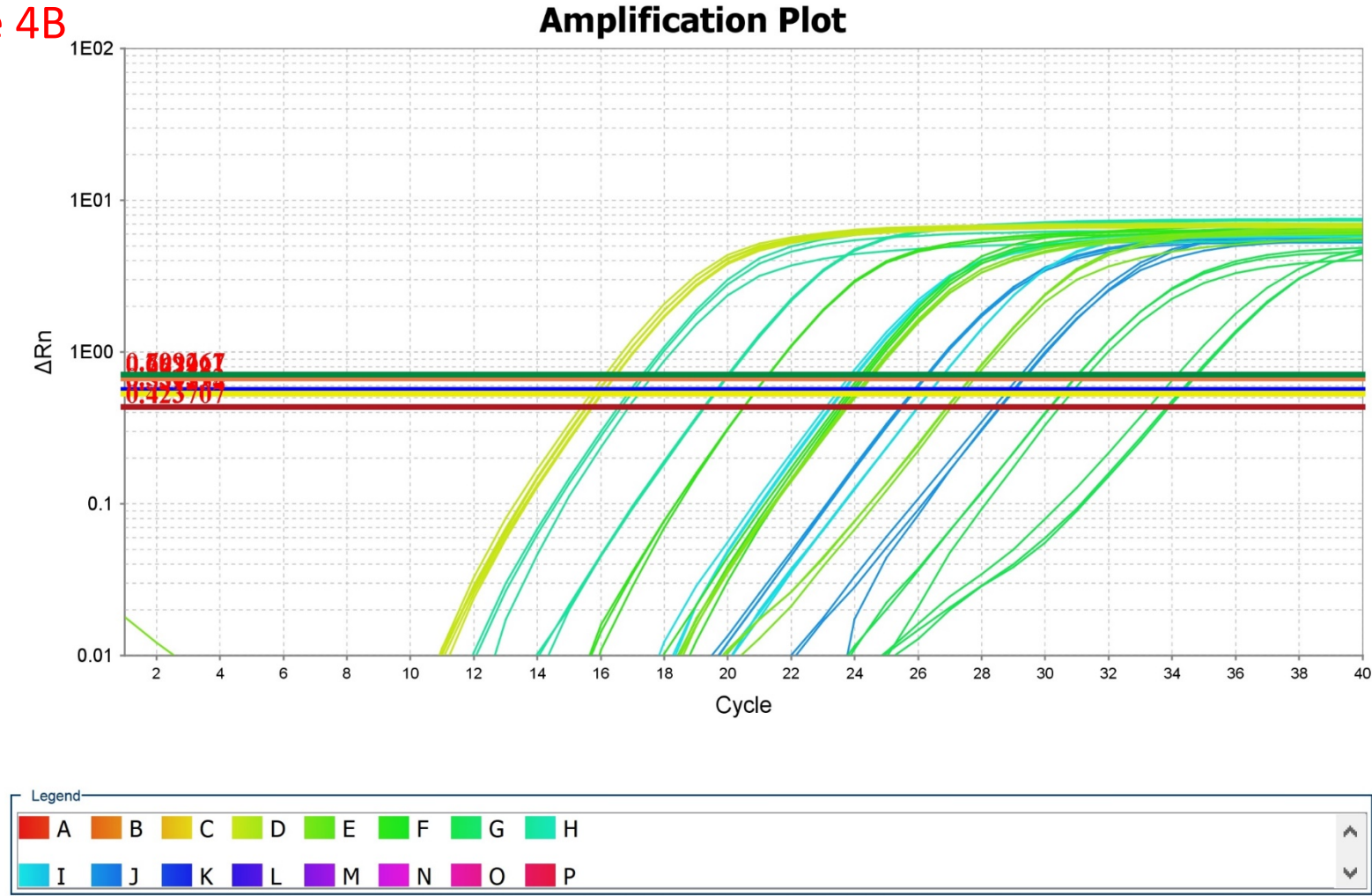


Figure 4B

Block Type : 384-Well Block

Calibration f No

Calibration f 2022-08-01 16:00:17 PM CST

Calibration f No

Calibration f 2022-08-01 16:39:53 PM CST

Calibration f No

Calibration f 2022-08-01 16:56:18 PM CST

Calibration f No

Calibration f 2022-08-01 15:53:01 PM CST

Calibration f No

Calibration f 2022-08-01 17:25:54 PM CST

Calibration f No

Calibration f 2022-08-01 17:03:33 PM CST

Calibration f No

Calibration f 2022-08-01 17:10:48 PM CST

Calibration f No

Calibration f 2022-08-01 16:16:55 PM CST

Calibration f No

Calibration f 2022-08-01 16:48:55 PM CST

Chemistry SYBR_GREEN

Experiment Barcode

Experiment Comments

Experiment C:\Users\zhouch\Desktop\2022-08-08 ly 1.ed5

Experiment 2022-08-08 ly 1

Experiment 2022-08-08 17:43:11 PM CST

Experiment Comparative Cr (ΔΔCr)

Experiment User Name

Instrument 1276862256

Instrument 1276862256

Instrument 1VIA 7

Passive Ref ROX

Quantificati Ct

Signal Smo true

Stage/ Cylc Stage 2, Step 2

Well	Well Pos	Omit	Sample f	Target N	Task	Reporter	Quenche	Quantity	Quantity	Quantity	RQ	RQ Min	RQ Max	CT	Ct Mean	Ct SD	Delta Ct
76 D4	FALSE	DU 145 shC H-GAPDH	UNKNOWN SYBR	None				15.507									
77 D5	FALSE	DU 145 shC H-GAPDH	UNKNOWN SYBR	None				15.350									
78 D6	FALSE	DU 145 shC H-GAPDH	UNKNOWN SYBR	None				15.537									
100 E4	FALSE	DU 145 shC H-CDKL3	UNKNOWN SYBR	None				27.340									
101 E5	FALSE	DU 145 shC H-CDKL3	UNKNOWN SYBR	None				27.434									
102 E6	FALSE	DU 145 shC H-CDKL3	UNKNOWN SYBR	None				27.316									
124 F4	FALSE	DU 145 shC H-STAT1	UNKNOWN SYBR	None				24.256									
125 F5	FALSE	DU 145 shC H-STAT1	UNKNOWN SYBR	None				24.341									
126 F6	FALSE	DU 145 shC H-STAT1	UNKNOWN SYBR	None				24.174									
148 G4	FALSE	DU 145 shC H-FOS	UNKNOWN SYBR	None				33.630									
149 G5	FALSE	DU 145 shC H-FOS	UNKNOWN SYBR	None				34.192									
150 G6	FALSE	DU 145 shC H-FOS	UNKNOWN SYBR	None				34.262									
172 H4	FALSE	DU 145 shC H-ATF4	UNKNOWN SYBR	None				19.652									
173 H5	FALSE	DU 145 shC H-ATF4	UNKNOWN SYBR	None				19.621									
174 H6	FALSE	DU 145 shC H-ATF4	UNKNOWN SYBR	None				19.673									
196 I4	FALSE	DU 145 shC H-NRAS	UNKNOWN SYBR	None				26.675									
197 I5	FALSE	DU 145 shC H-NRAS	UNKNOWN SYBR	None				26.691									
198 I6	FALSE	DU 145 shC H-NRAS	UNKNOWN SYBR	None				26.680									
220 J4	FALSE	DU 145 shC H-PIK3CB	UNKNOWN SYBR	None				29.328									
221 J5	FALSE	DU 145 shC H-PIK3CB	UNKNOWN SYBR	None				29.402									
222 J6	FALSE	DU 145 shC H-PIK3CB	UNKNOWN SYBR	None				29.181									

Analysis Ty Singleplex

Endogenous H-TGFBFR1

RQ Min/Max 95.0

Reference S Sample 1

Figure 4B

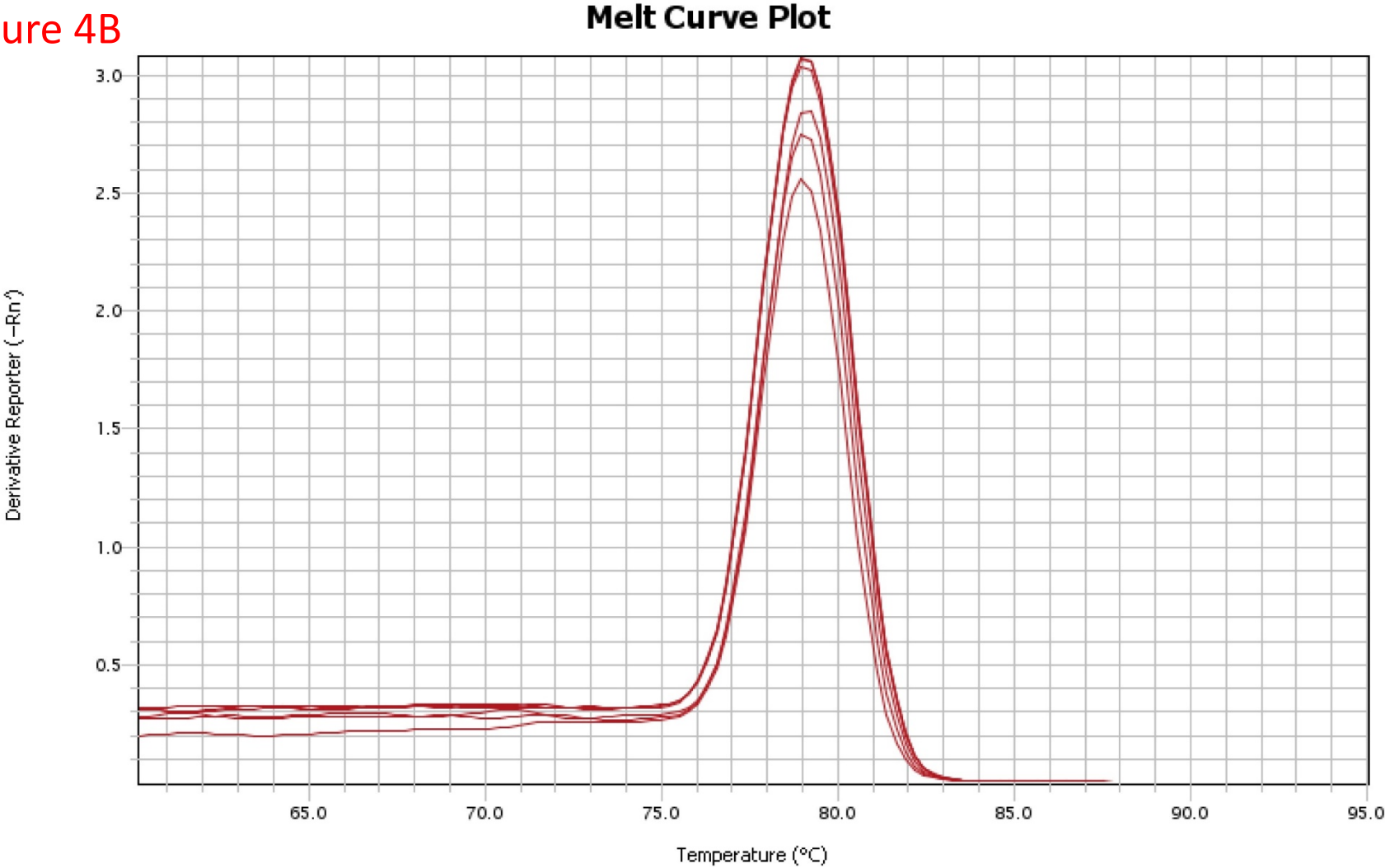


Figure 4B
Figure 4B

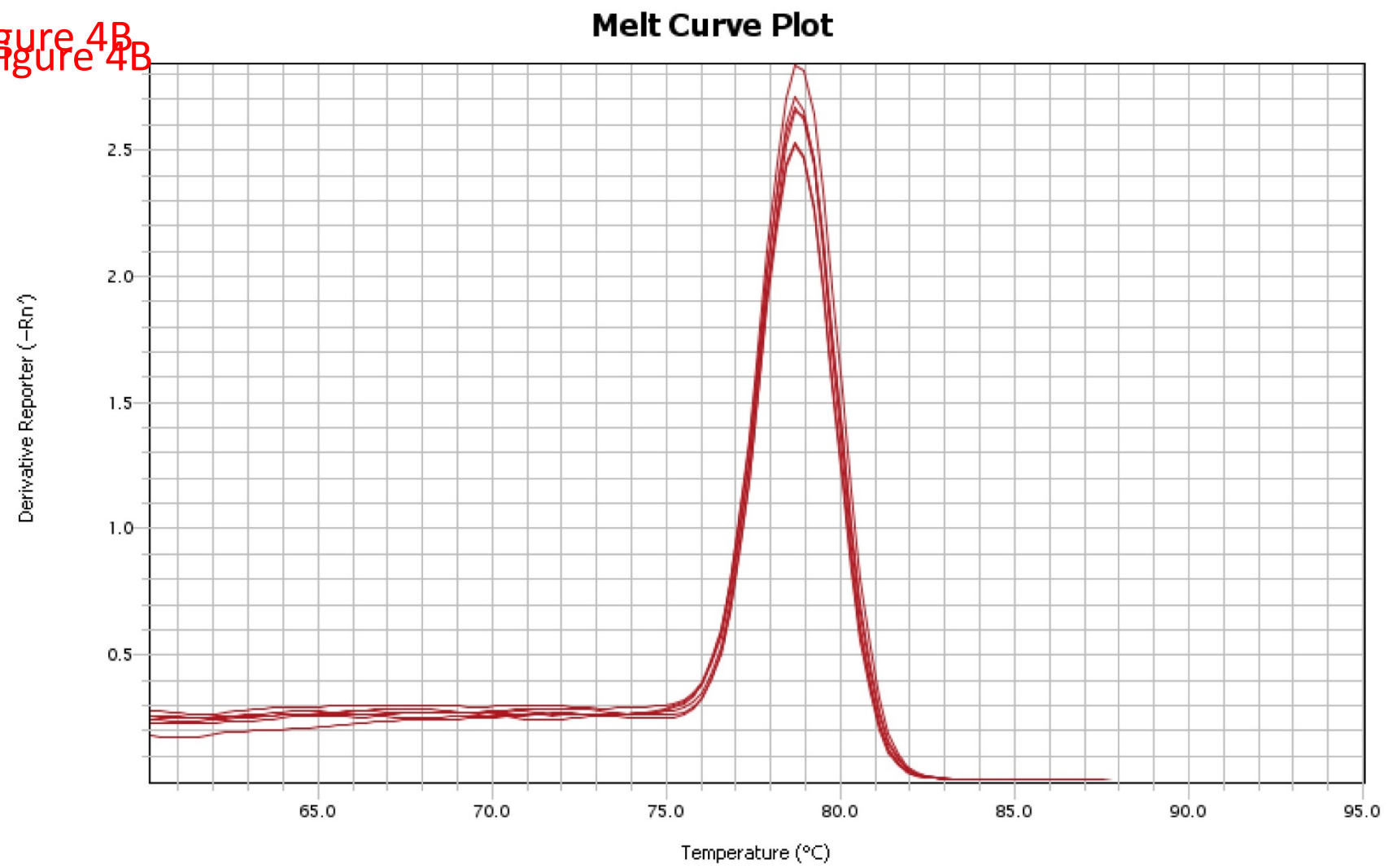


Figure 4B

Melt Curve Plot

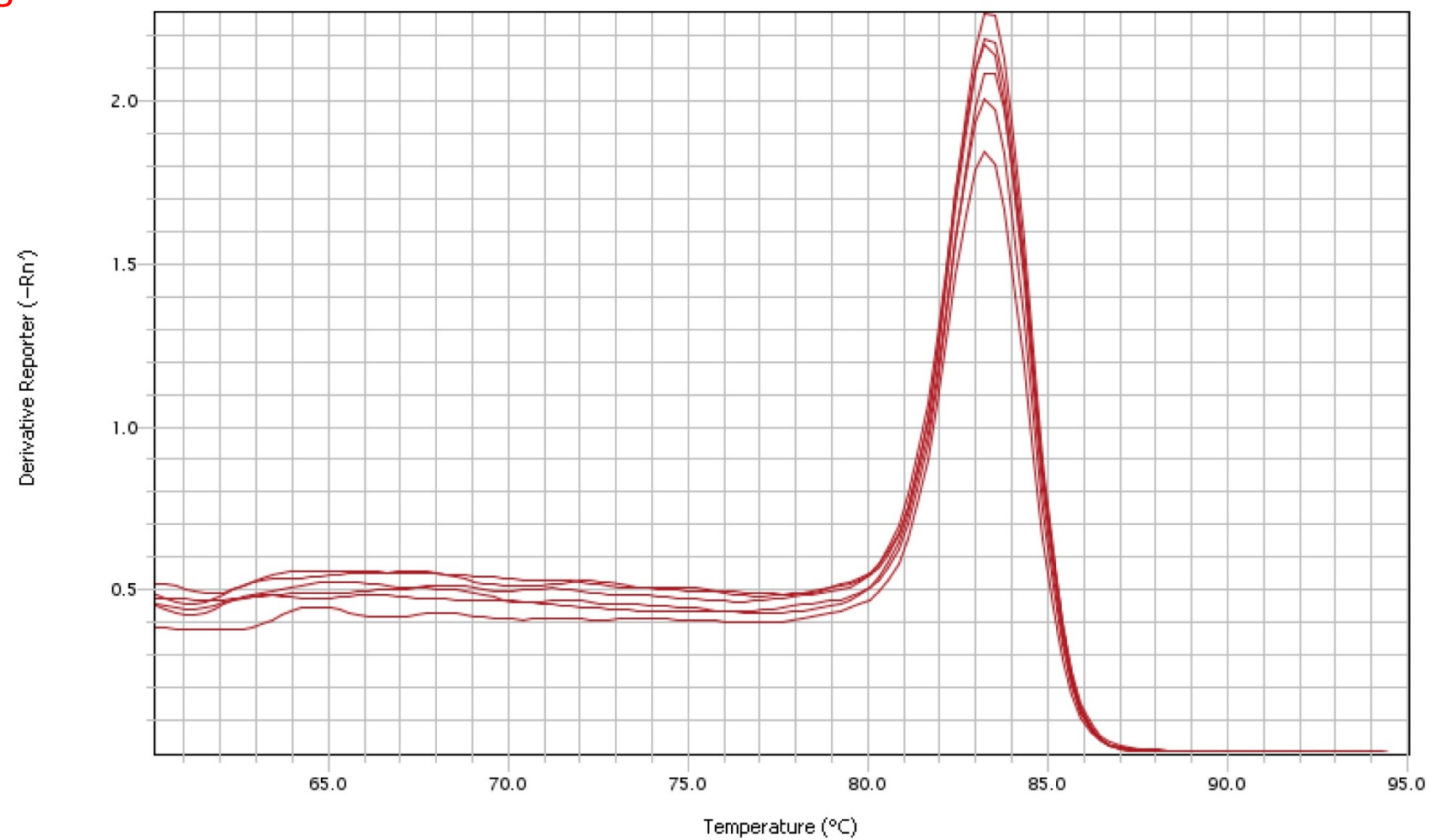


Figure 4B

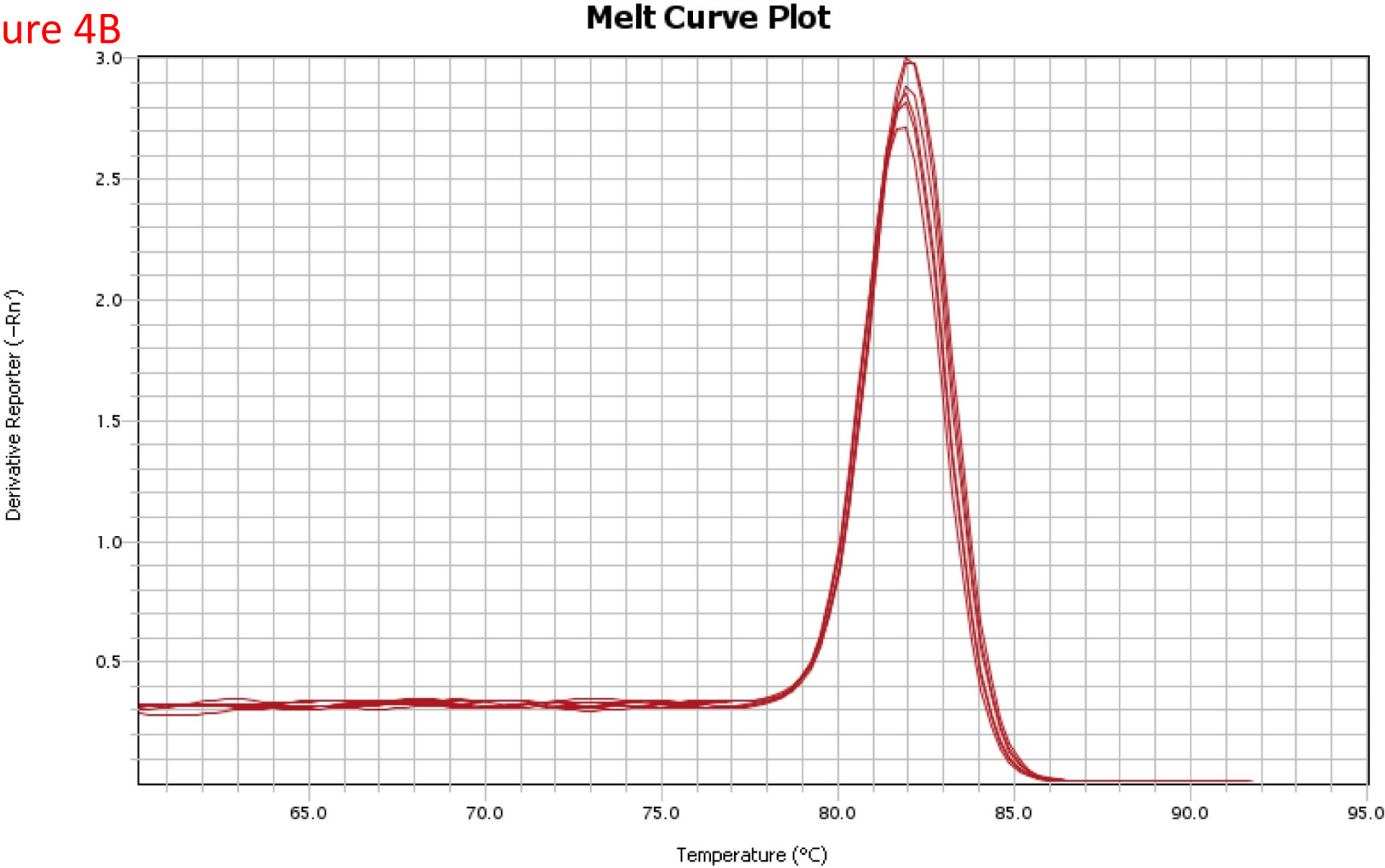


Figure 4B

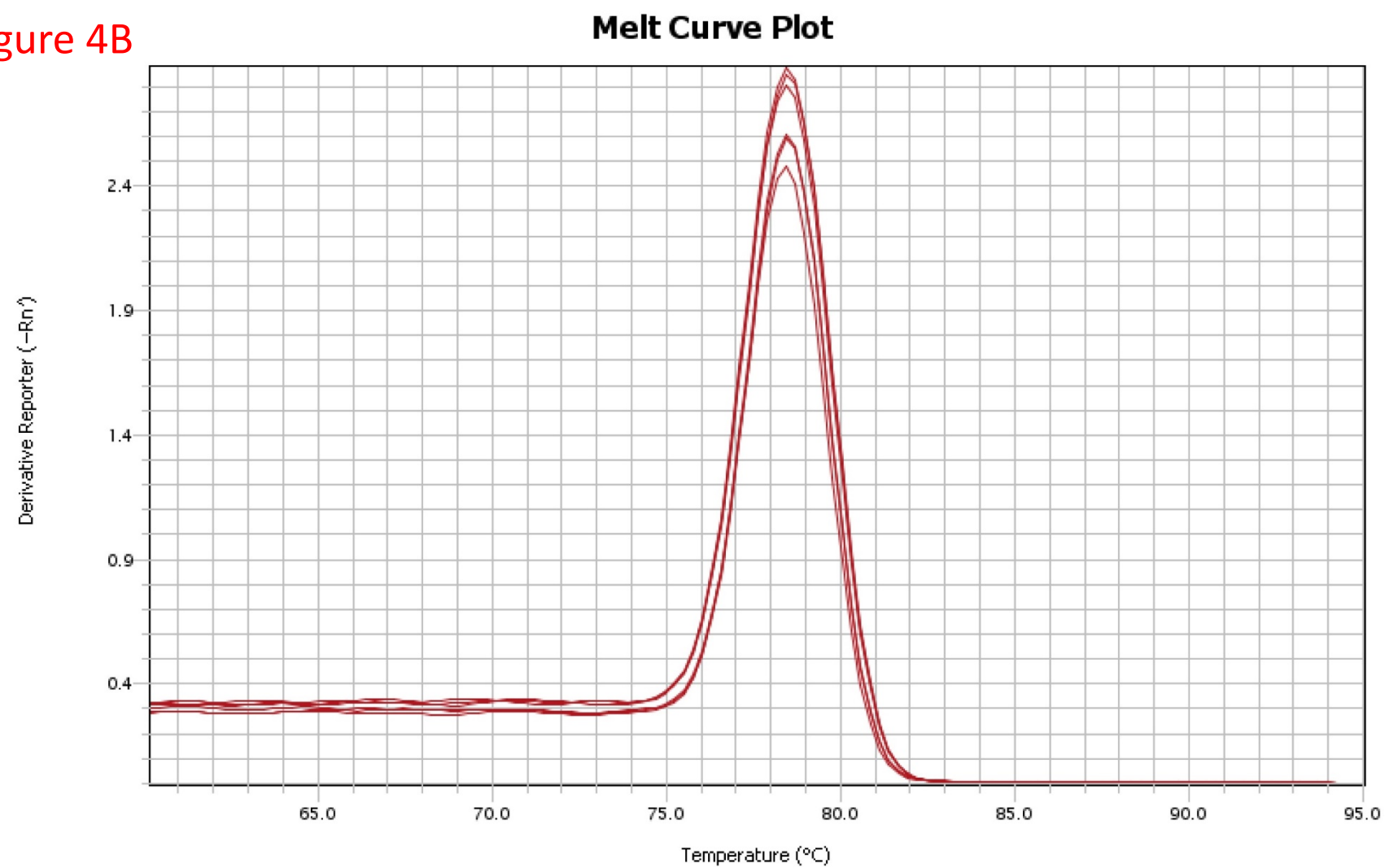


Figure 4B

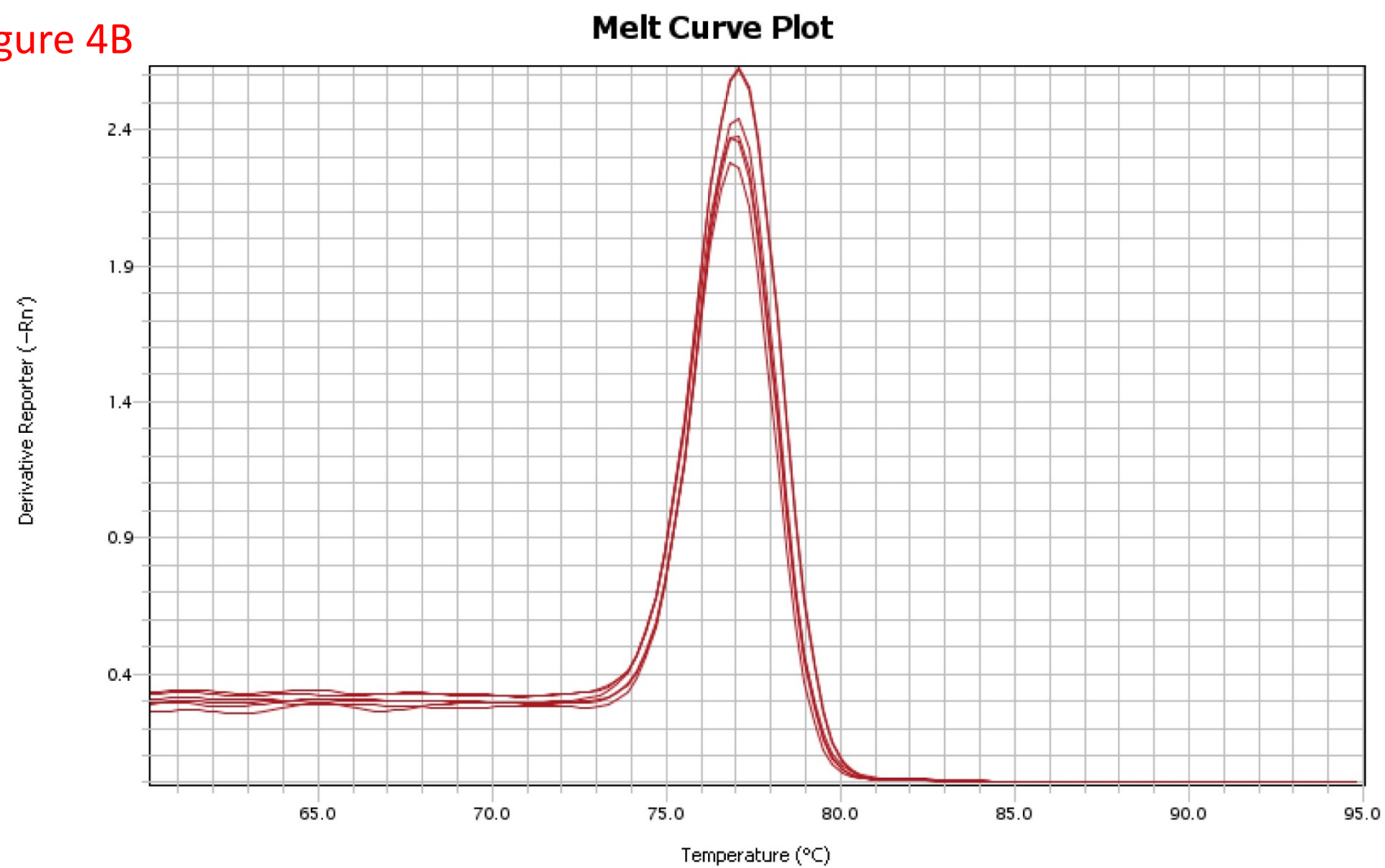


Figure 4B

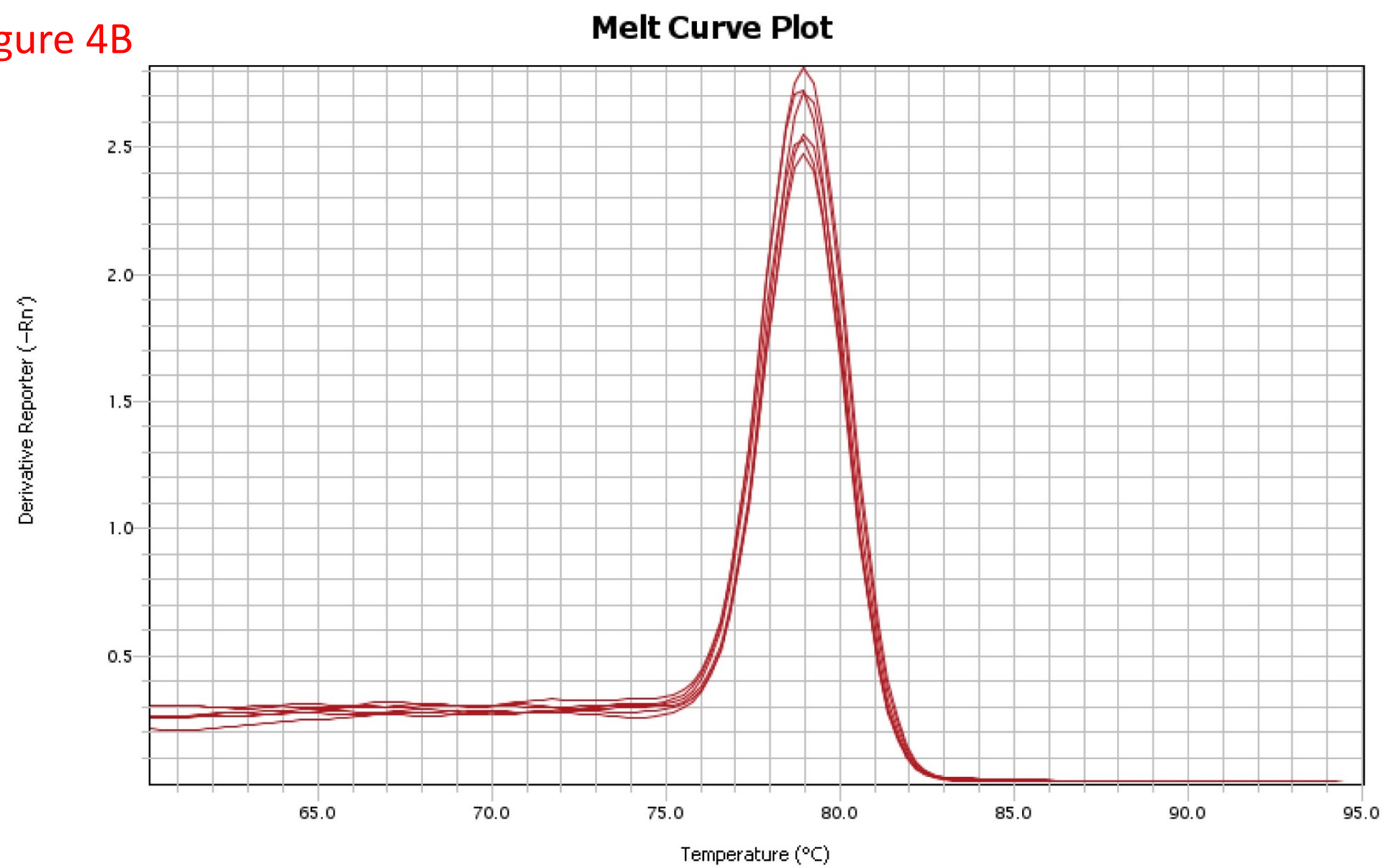
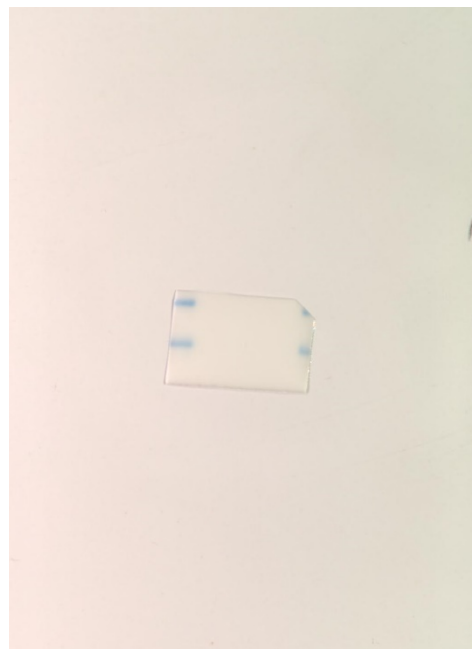


Figure 4C



ATF4



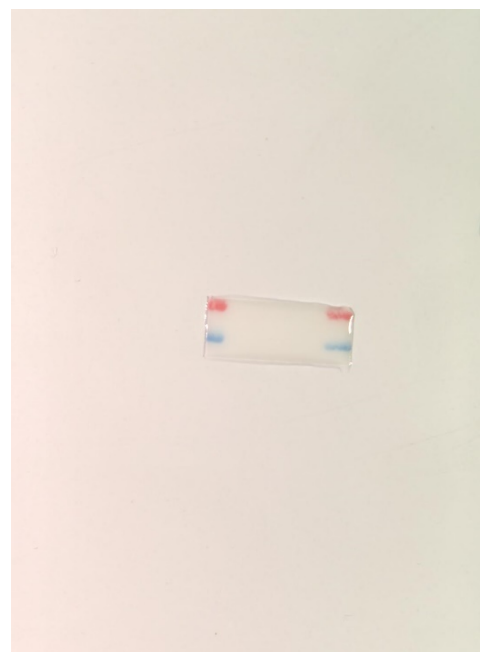
CDKL3



Figure 4C



FOS



GAPDH



Figure 4C

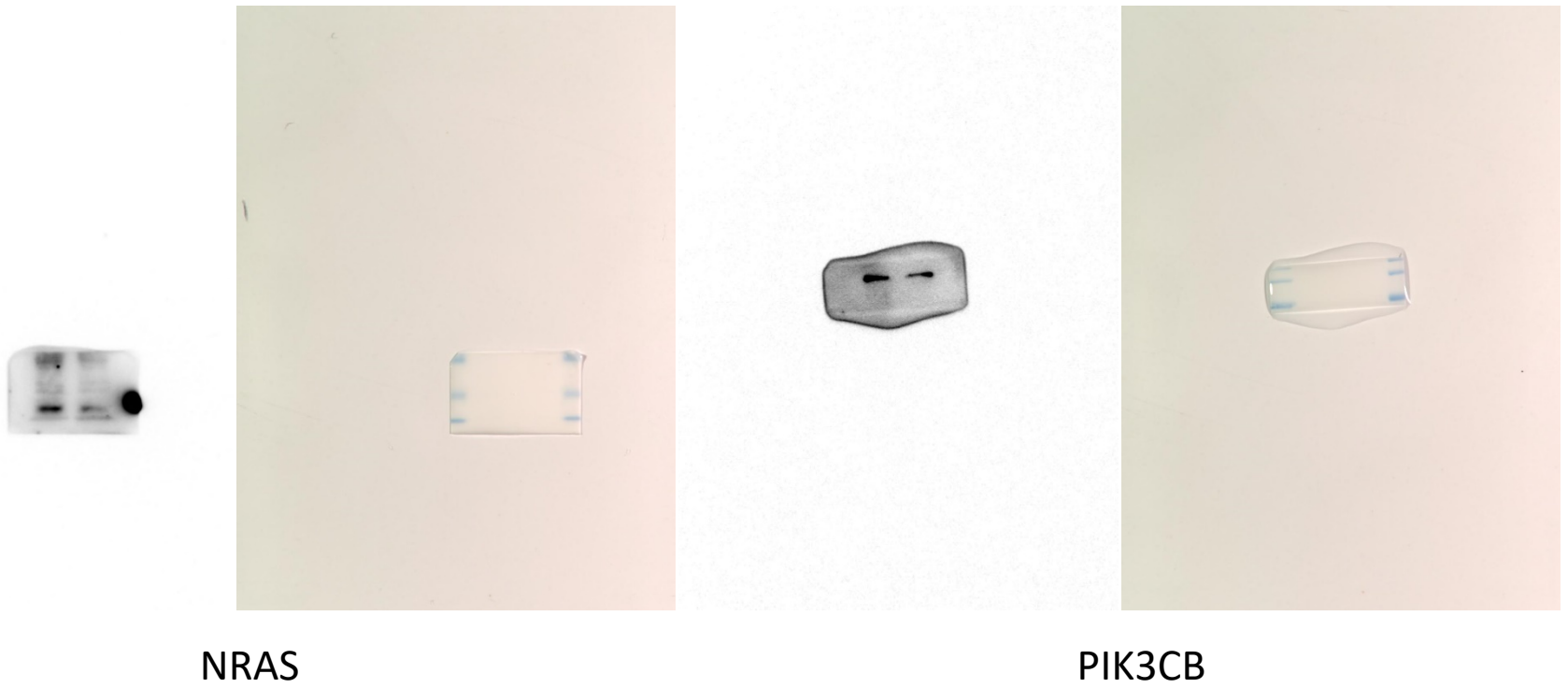
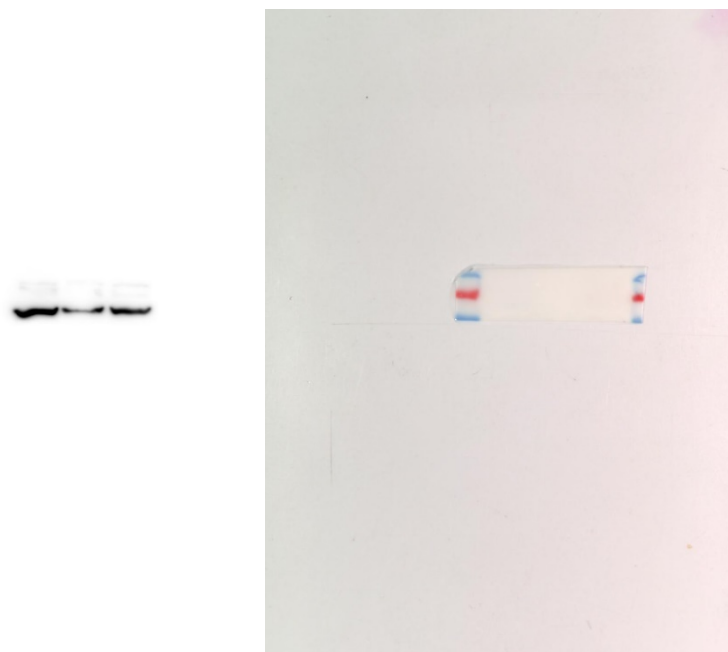


Figure 4C

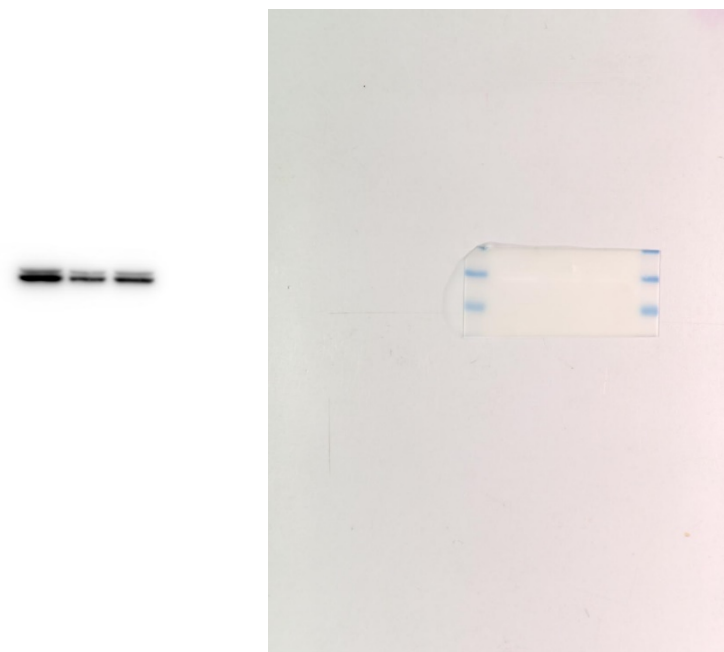


STAT1

Figure 4D and S7A
DU 145

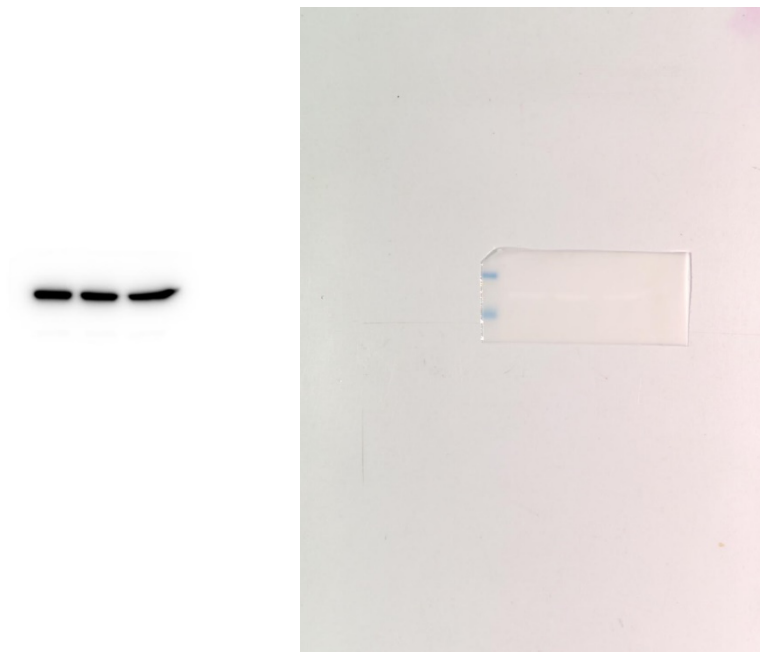


CDKL3



ERK

Figure 4D and S7A
DU 145

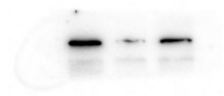


GAPDH



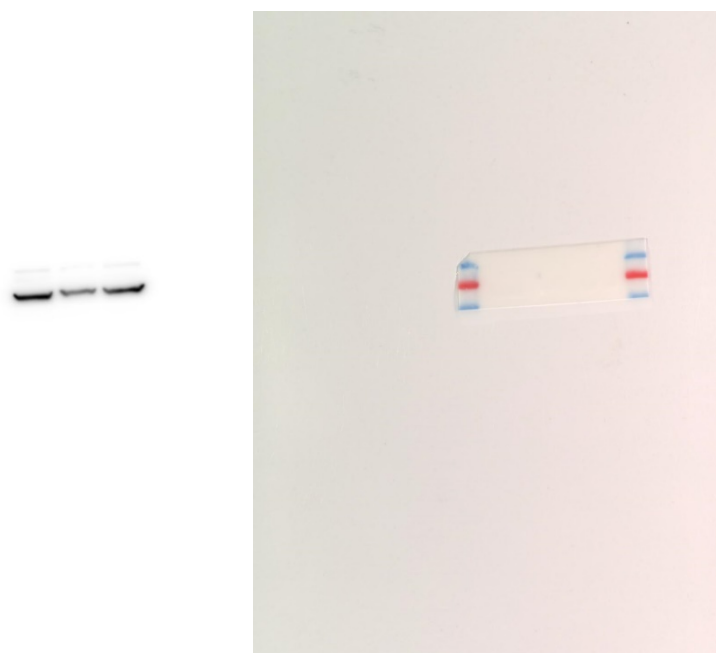
p-ERK

Figure 4D and S7A
DU 145

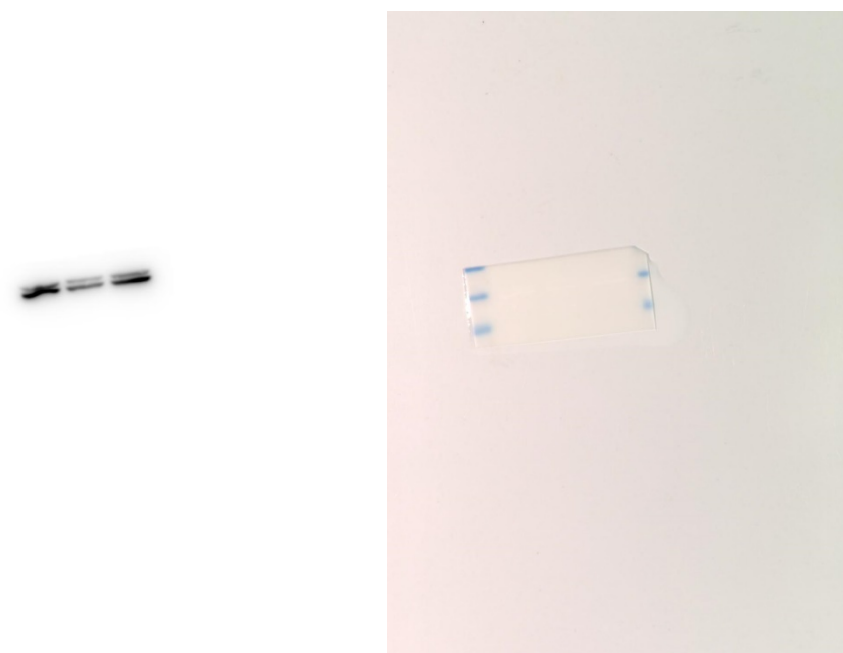


STAT1

Figure 4D and S7A
PC-3



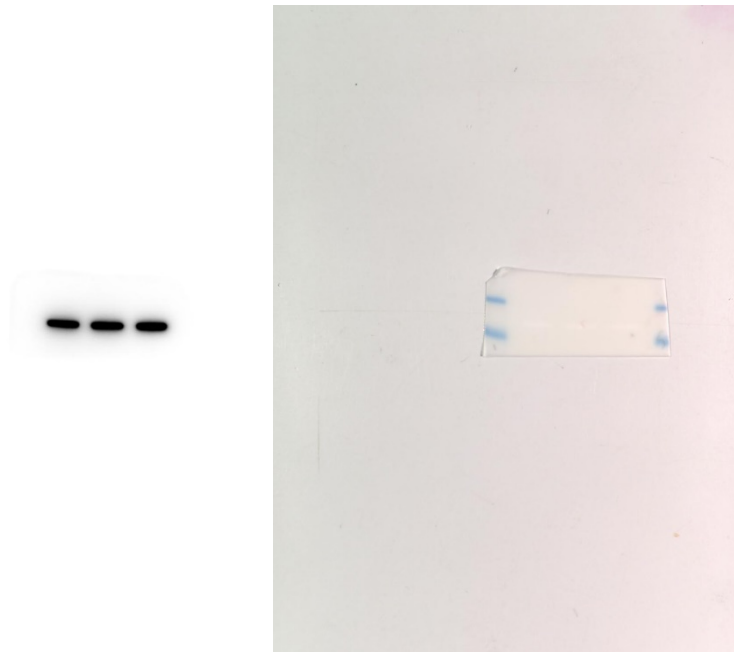
CDKL3



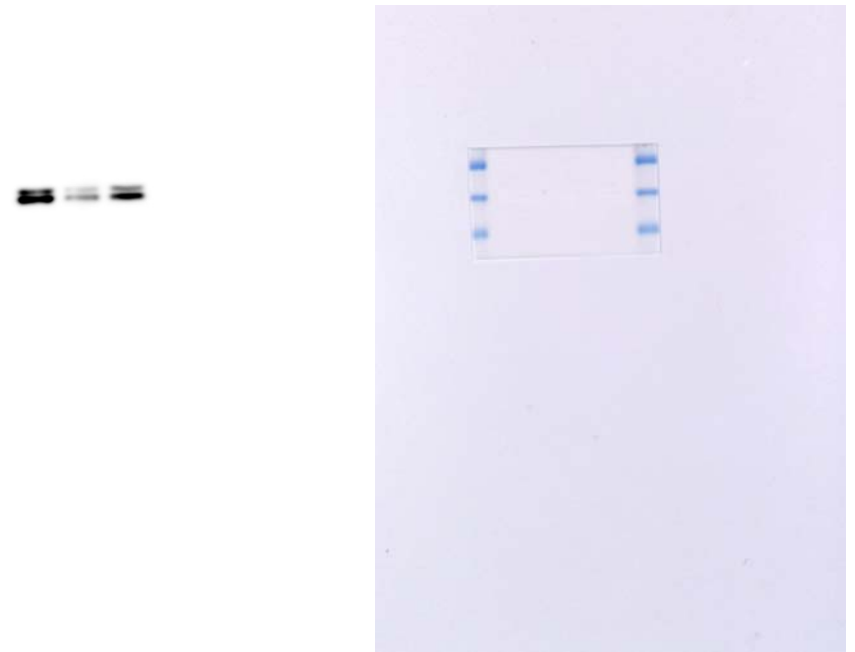
ERK

Figure 4D and S7A

PC-3



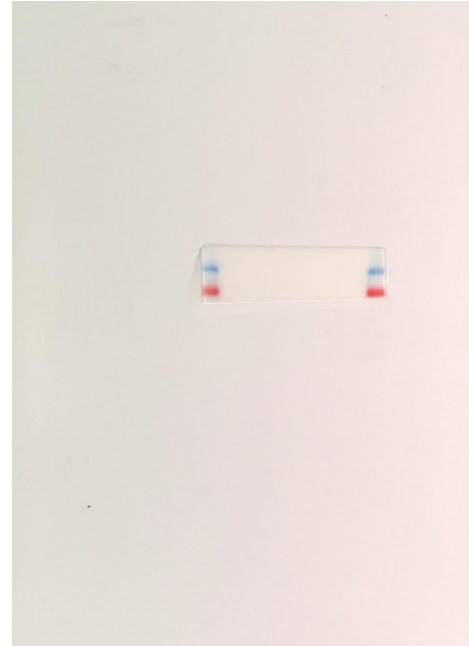
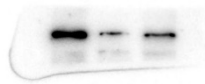
GAPDH



p-ERK

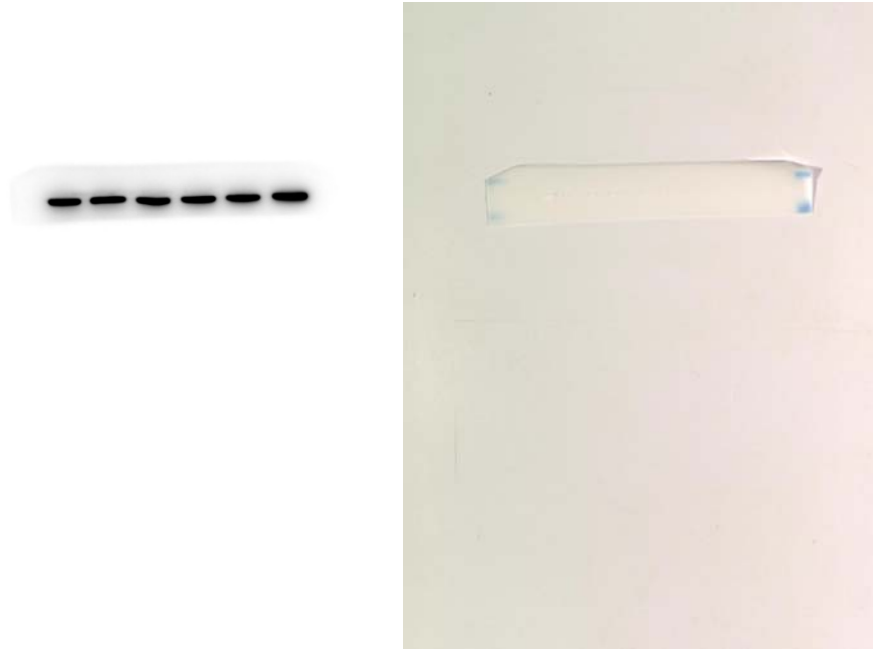
Figure 4D and S7A

PC-3

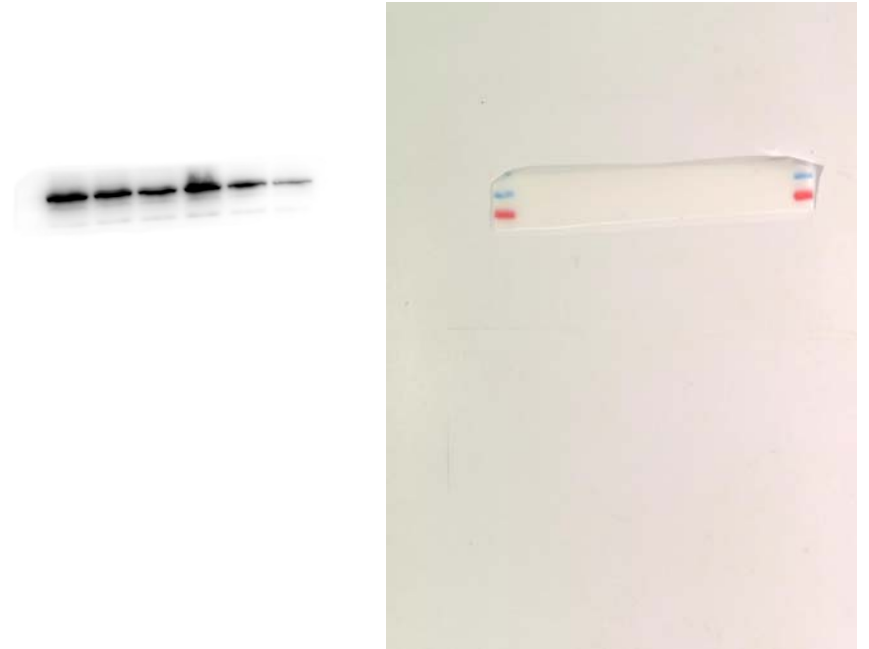


STAT1

Figure 5A DU 145



GAPDH

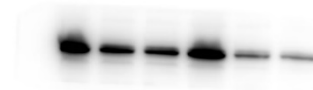
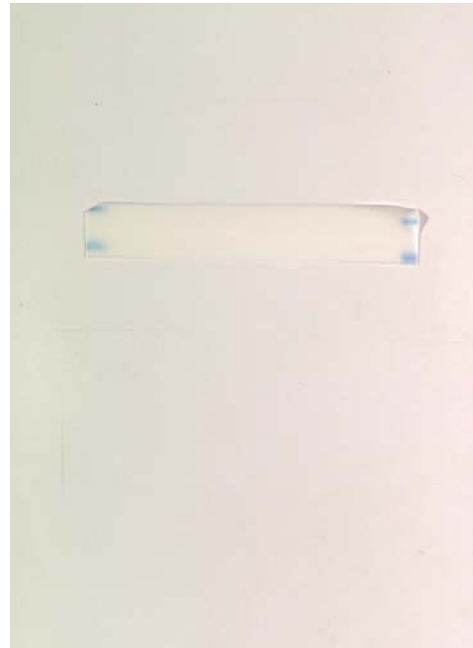


STAT1

Figure 5A PC-3



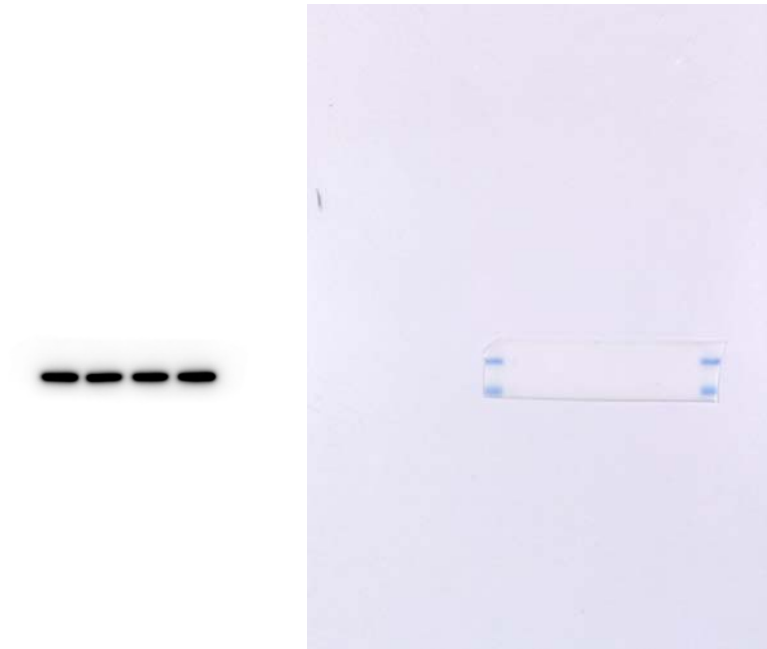
GAPDH



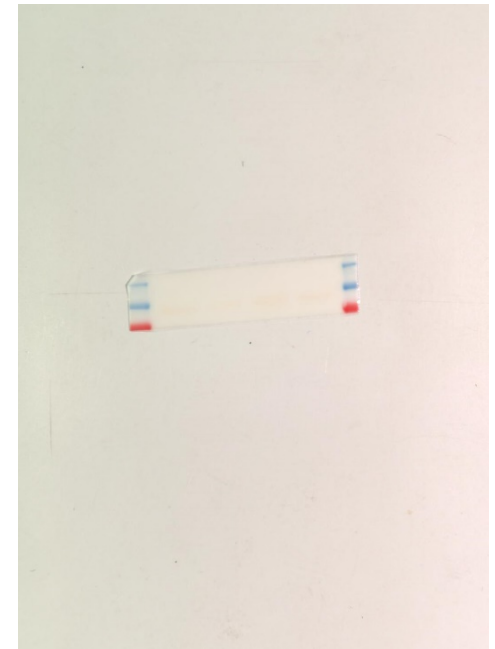
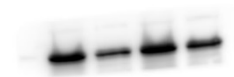
STAT1



Figure 5B DU 145

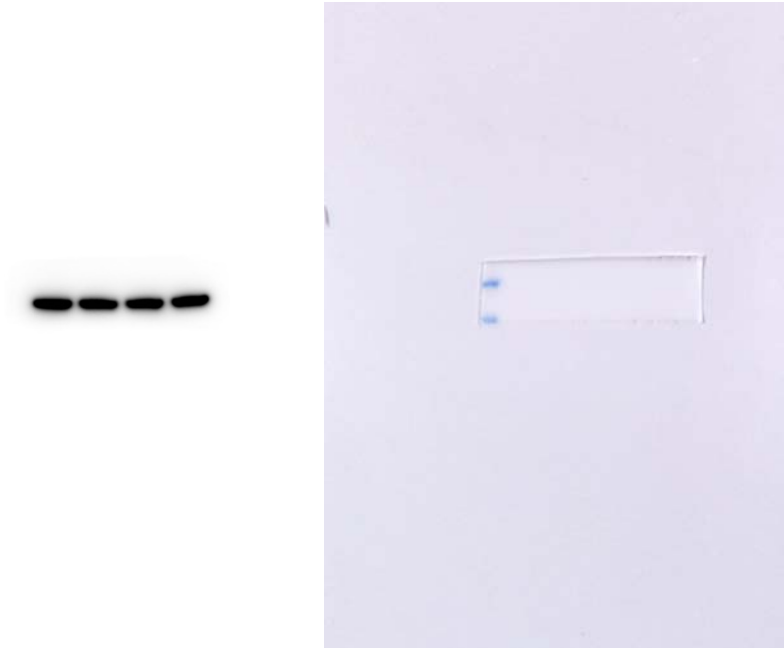


GAPDH

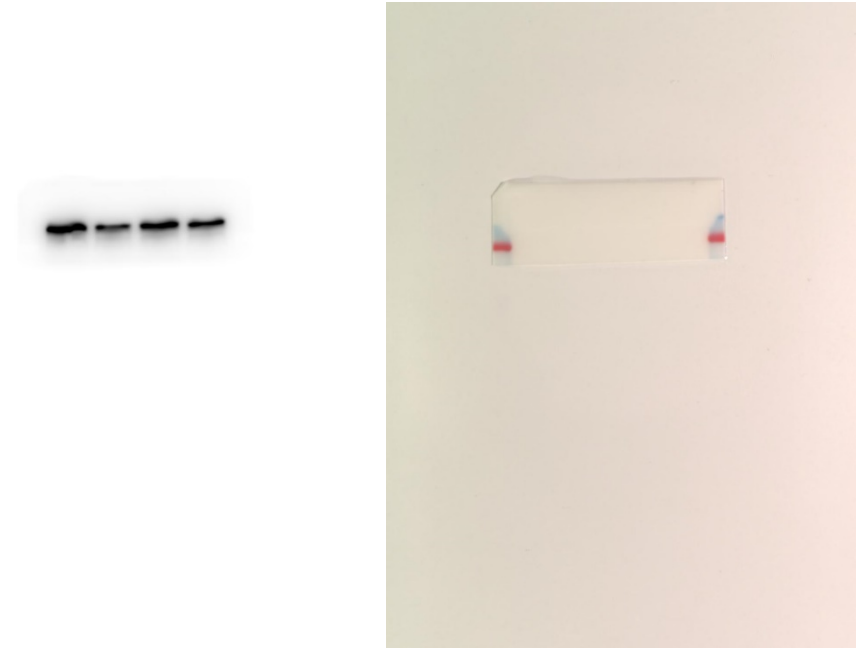


STAT1

Figure 5B PC-3

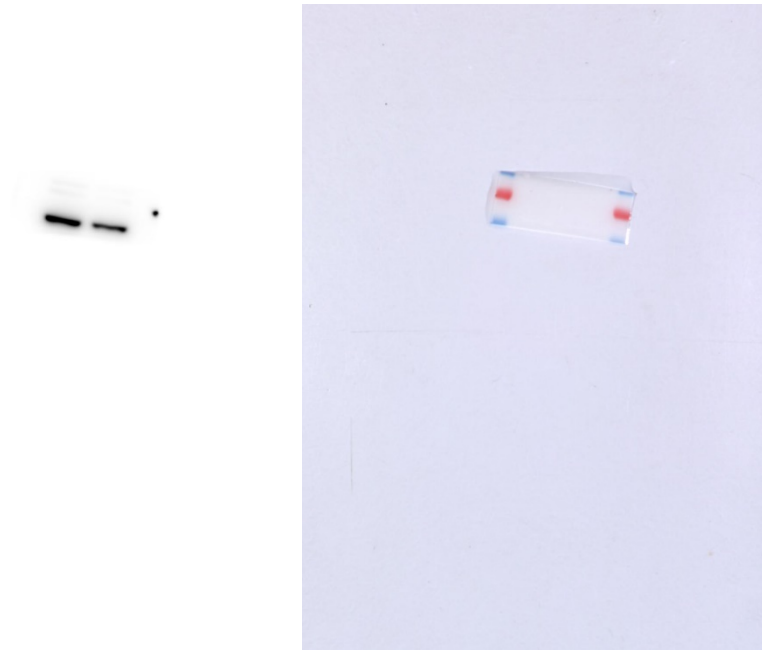


GAPDH

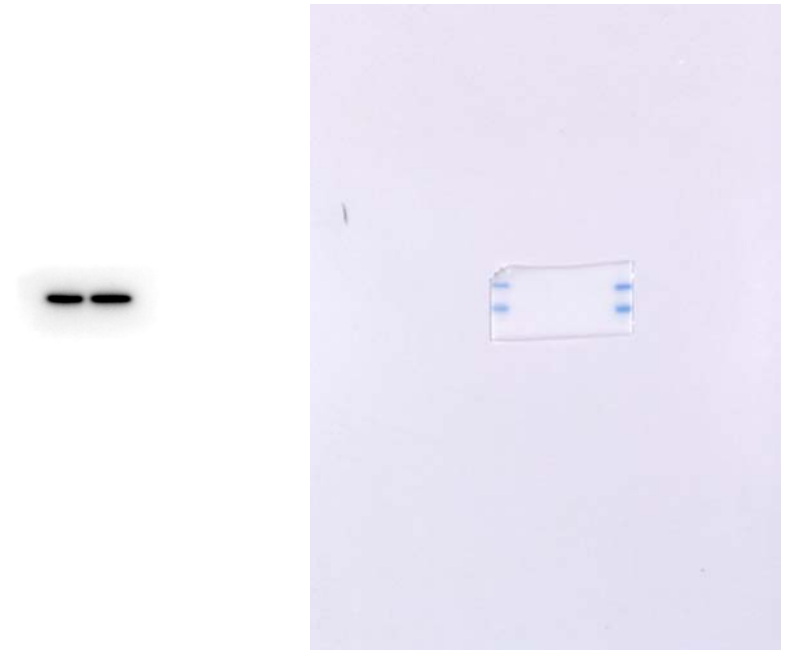


STAT1

Figure 5C Input



CDKL3



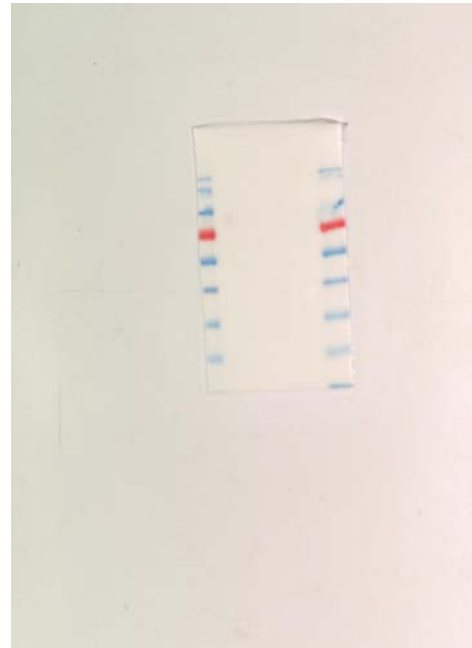
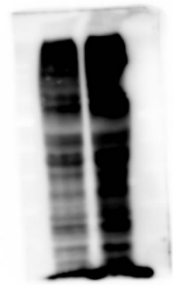
GAPDH

Figure 5C IP STAT1



STAT1

Figure 5C IP UB

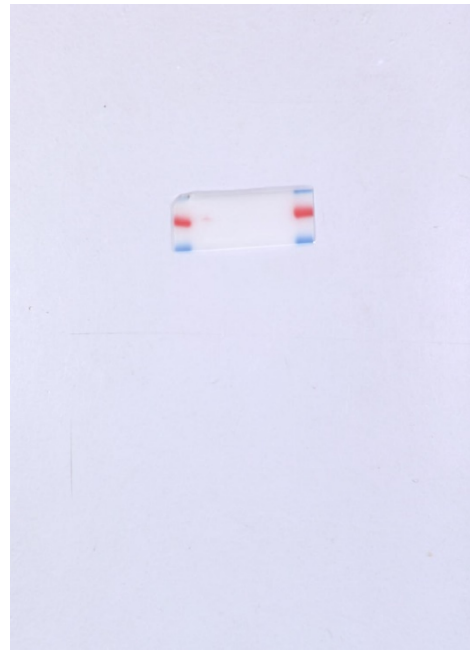


Ubiquitin

Figure 5D Input



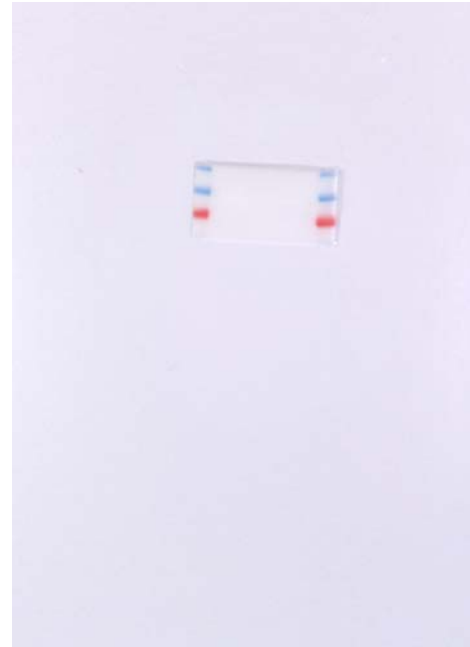
CDKL3



GAPDH

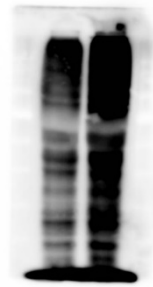


Figure 5D IP STAT1



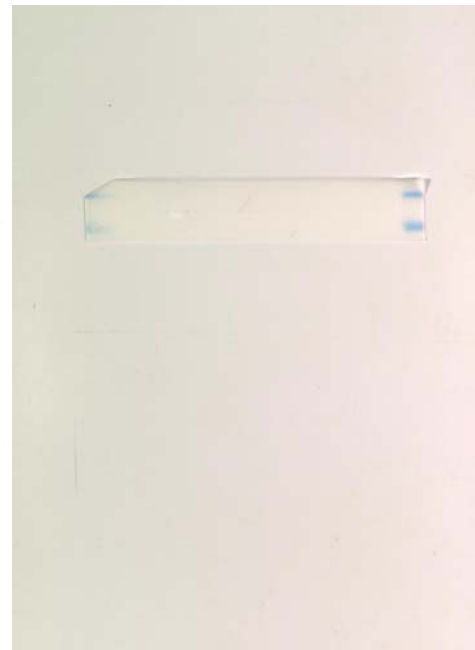
STAT1

Figure 5D IP UB

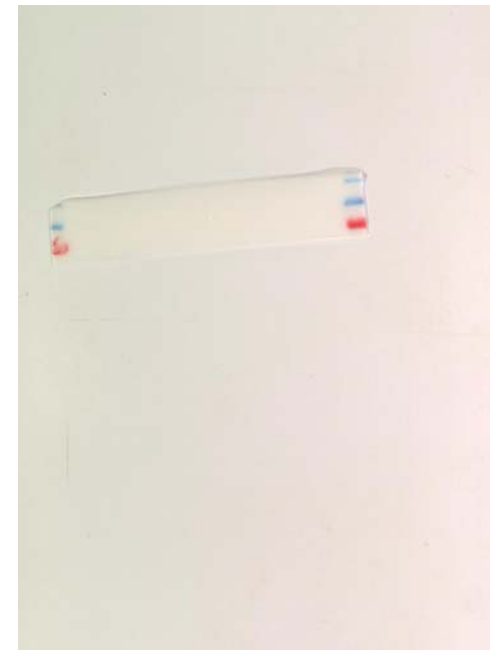
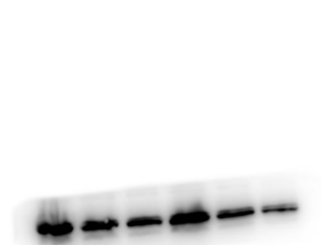


Ubiquitin

Figure 5E DU 145

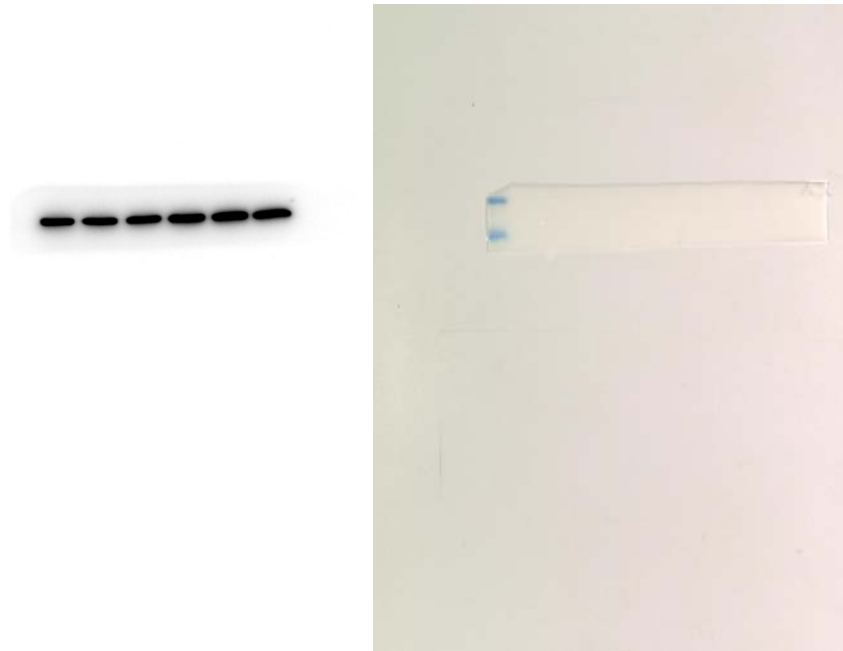


GAPDH

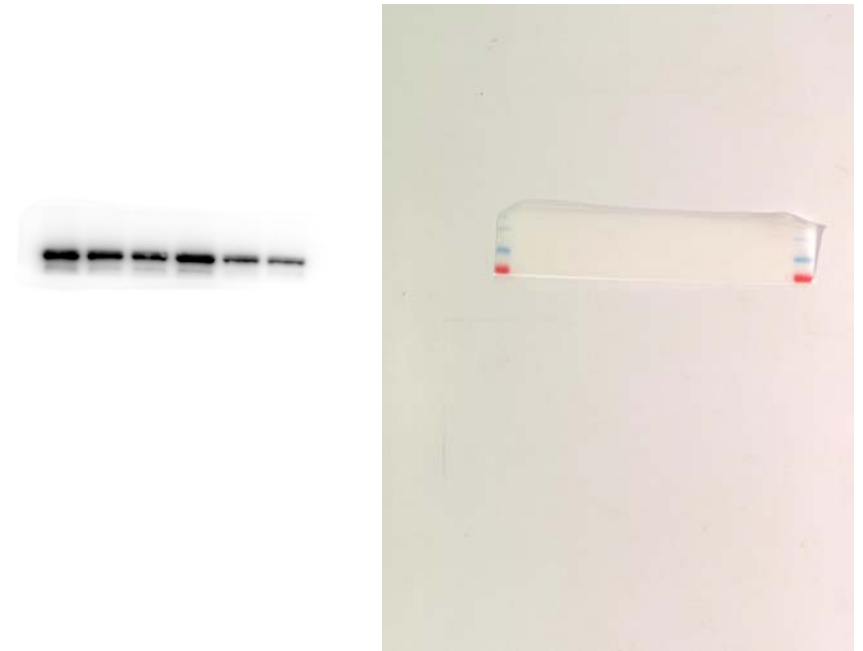


STAT1

Figure 5E PC-3



GAPDH



STAT1

Figure 5F DU 145



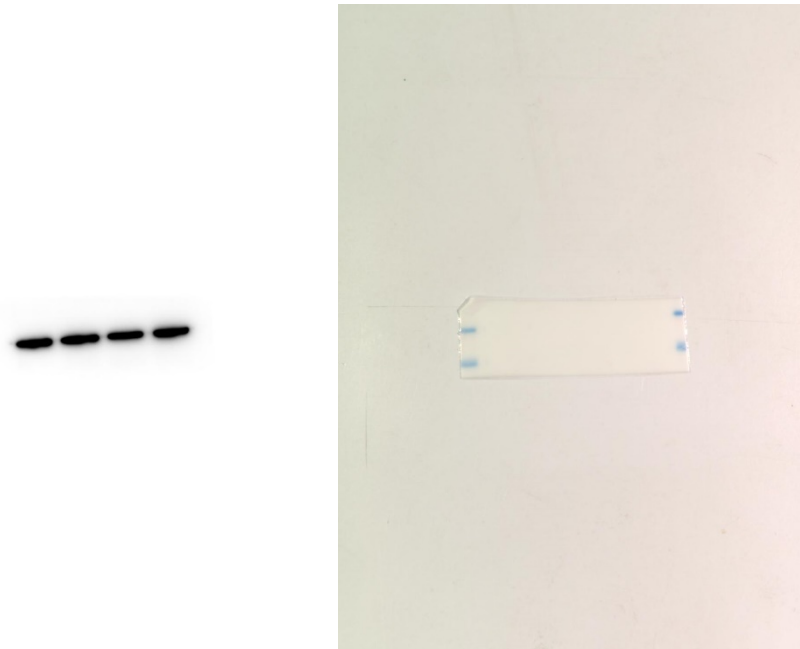
GAPDH



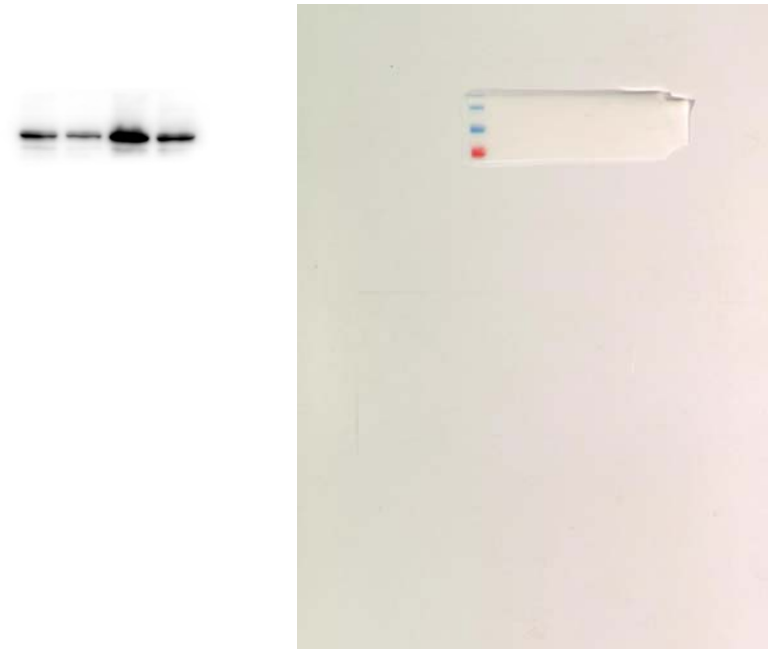
STAT1



Figure 5F PC-3



GAPDH

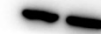


STAT1

Figure 5G Input



CBL



GAPDH

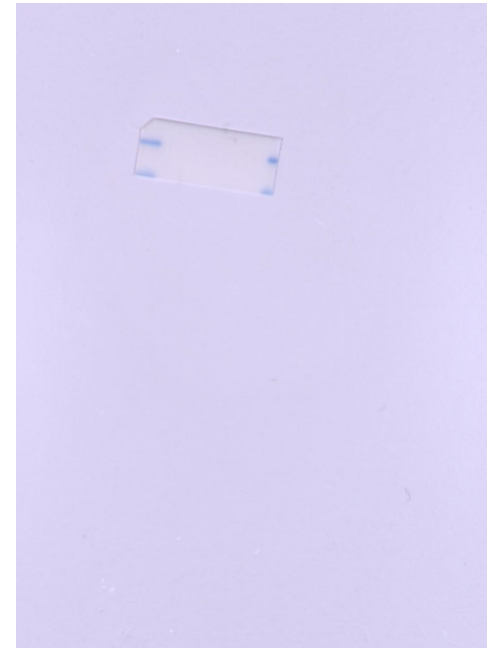
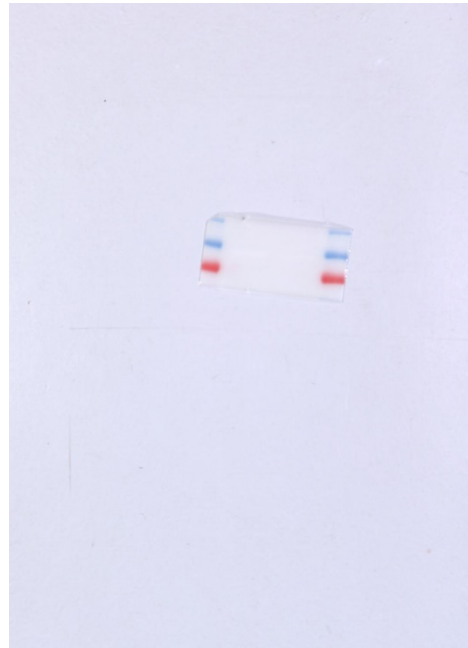
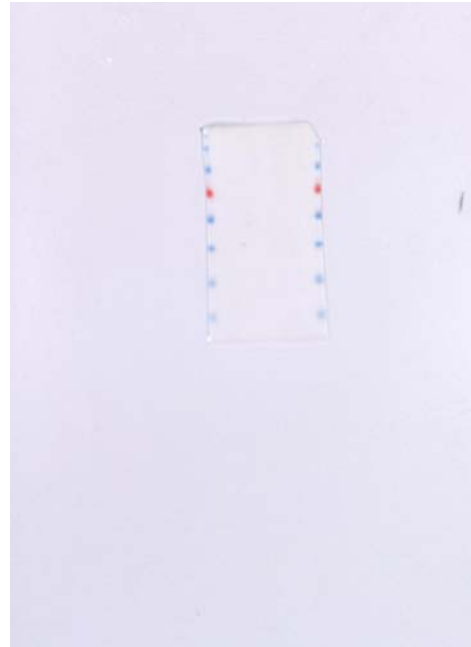


Figure 5G IP STAT1



STAT1

Figure 5G IP UB

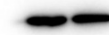
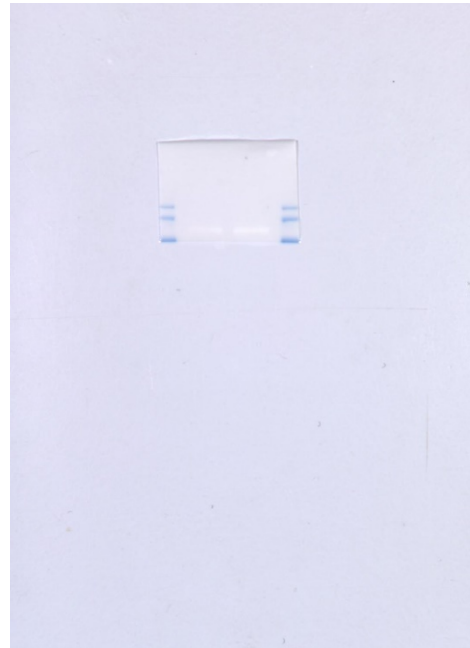


Ubiquitin

Figure 5H Input



CBL



GAPDH

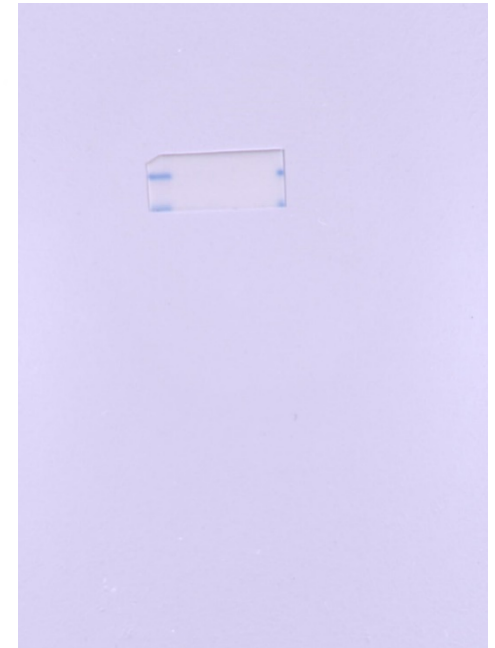
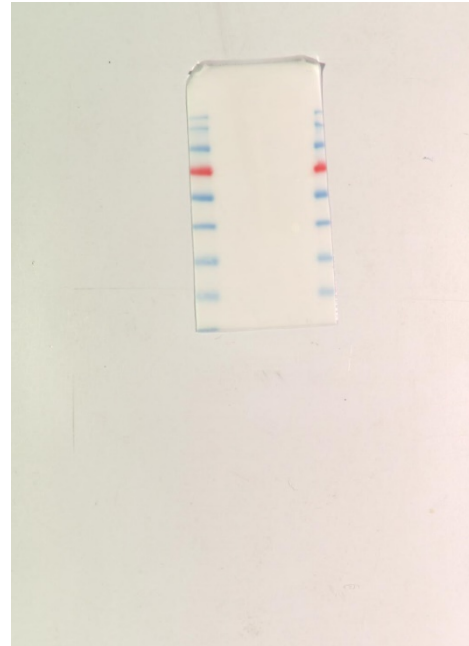
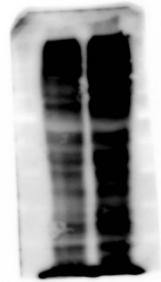


Figure 5H IP STAT1



STAT1

Figure 5H IP UB



Ubiquitin

Figure S4A

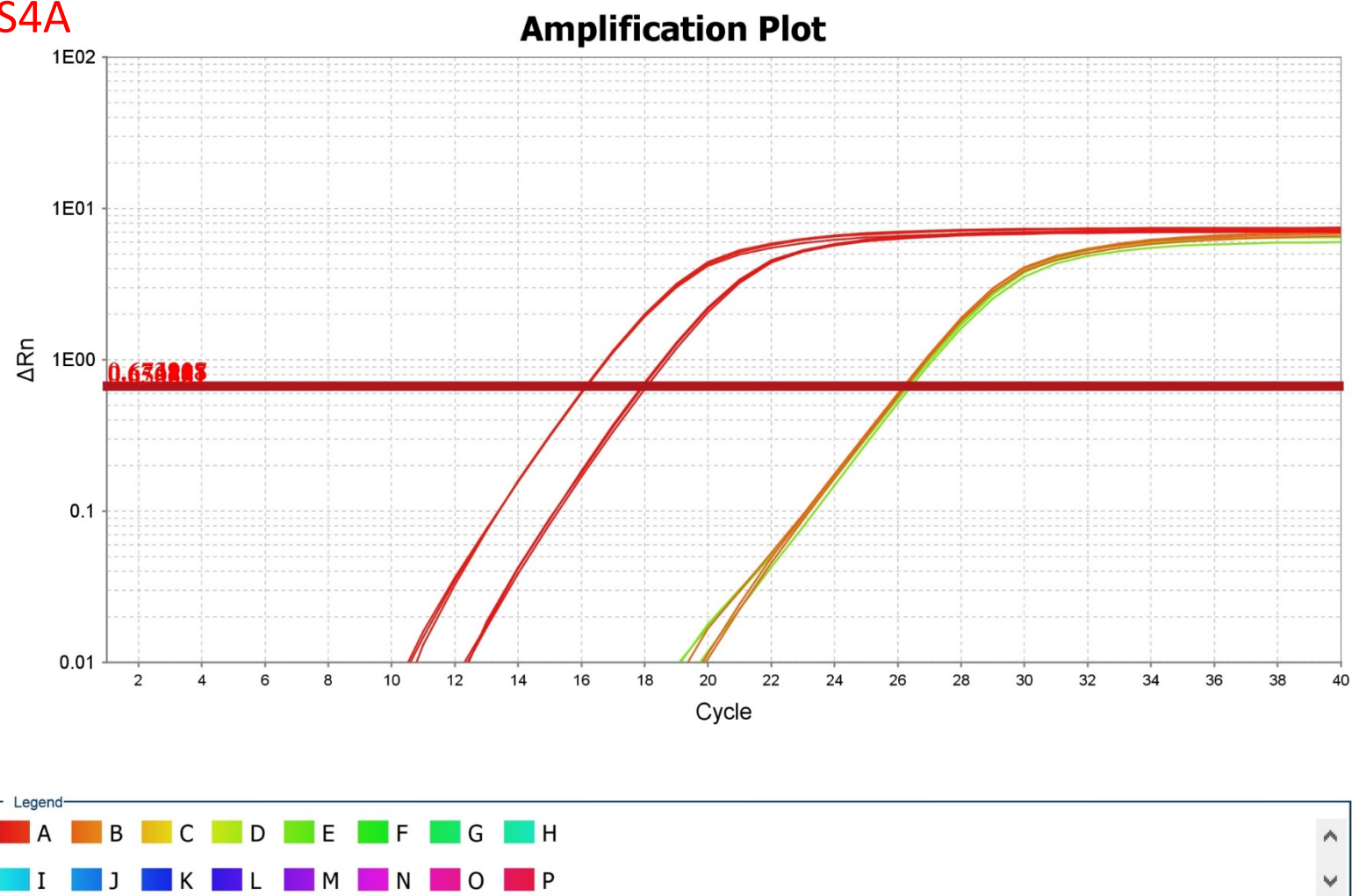


Figure S4A

Melt Curve Plot

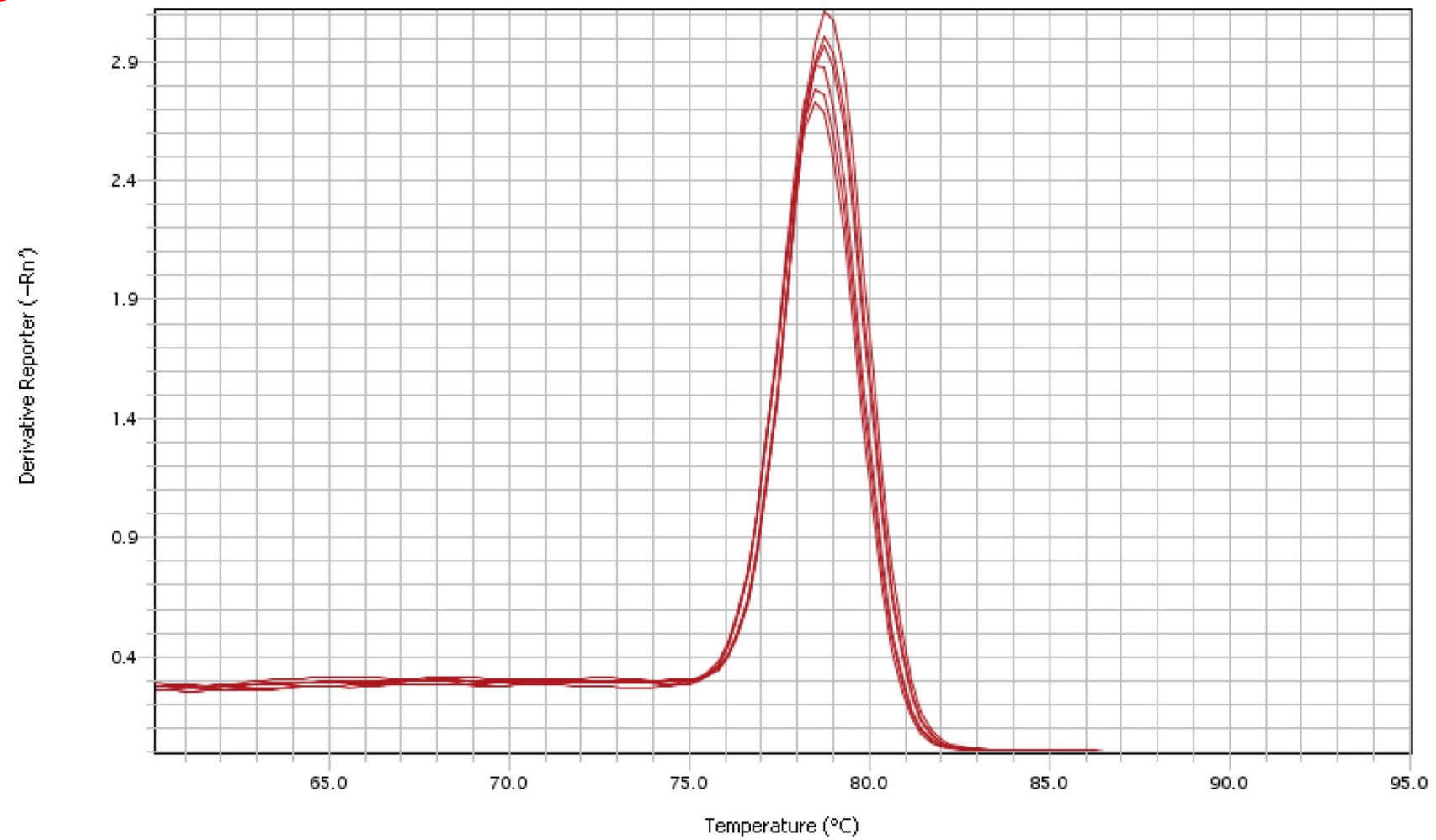


Figure S4A

Melt Curve Plot

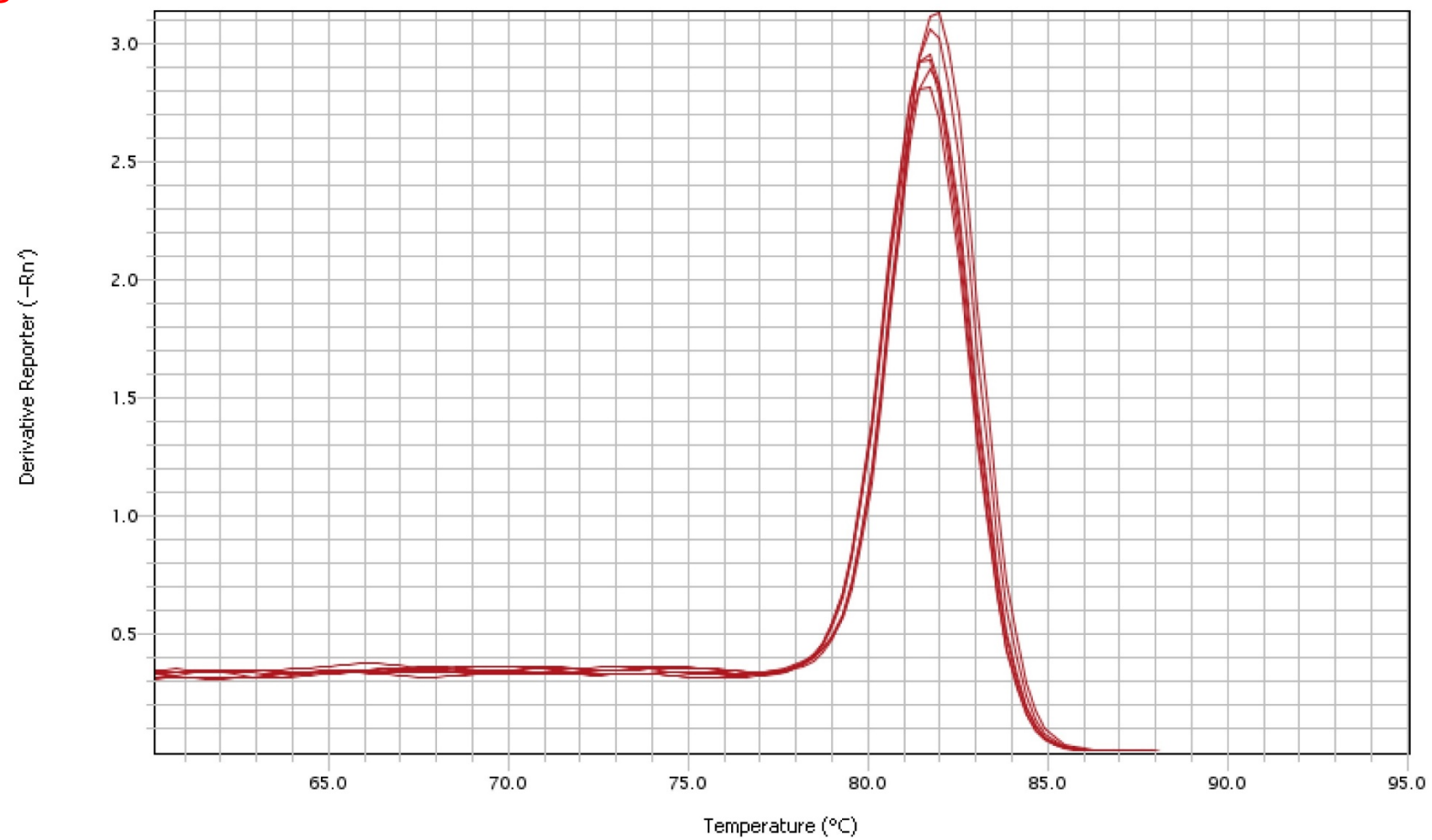


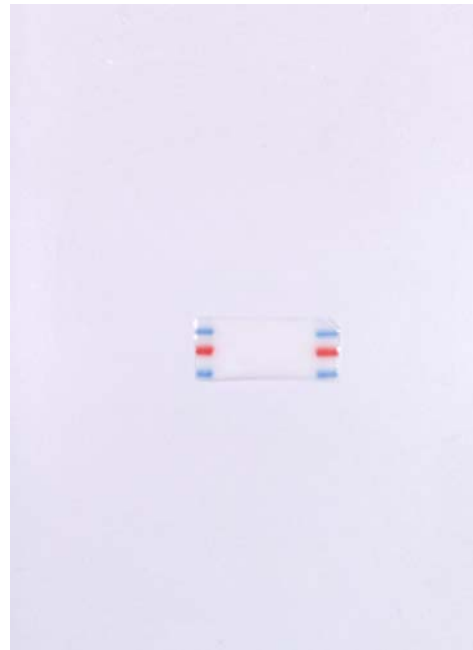
Figure S4A

Block Type :384-Well Block						
Calibration f No						
Calibration i 2022-08-01 16:00:17 PM CST						
Calibration f No						
Calibration i 2022-08-01 16:39:53 PM CST						
Calibration f No						
Calibration i 2022-08-01 16:56:18 PM CST						
Calibration f No						
Calibration i 2022-08-01 15:53:01 PM CST						
Calibration f No						
Calibration i 2022-08-01 17:25:54 PM CST						
Calibration f No						
Calibration i 2022-08-01 17:03:33 PM CST						
Calibration f No						
Calibration i 2022-08-01 17:10:48 PM CST						
Calibration f No						
Calibration i 2022-08-01 16:16:55 PM CST						
Calibration f No						
Calibration i 2022-08-01 16:48:55 PM CST						
Chemistry SYBR_GREEN						
Experiment Barcode						
Experiment Comments						
Experiment C:\Users\zhouch\Desktop\2022-12-14 2.ed.s						
Experiment 2022-12-14 2						
Experiment 2022-12-14 18:04:19 PM CST						
Experiment Comparative Ct ($\Delta \Delta C_t$)						
Experiment User Name						
Instrument F278882256						
Instrument C278882256						
Instrument ViiA 7						
Passive Ref ROX						
Quantification Ct						
Signal Smo true						
Stage/ Cycle Stage 2, Step 2						

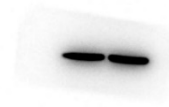
Well	Well Positio	Omit	Sample Nar	Target Nam	Task	Reporter	Quencher	Quantity	Quantity Me	Quantity SCRQ	RQ Min	RQ Max	CT	Ct Mean	Ct SD	Delta Ct
1 A1		FALSE	LNcap shCt	H-GAPDH	UNKNOWN	SYBR	None						17.904			
2 A2		FALSE	LNcap shCt	H-GAPDH	UNKNOWN	SYBR	None						17.860			
3 A3		FALSE	LNcap shCt	H-GAPDH	UNKNOWN	SYBR	None						17.994			
25 B1		FALSE	LNcap shCt	H-CDKL3	UNKNOWN	SYBR	None						26.235			
26 B2		FALSE	LNcap shCt	H-CDKL3	UNKNOWN	SYBR	None						26.176			
27 B3		FALSE	LNcap shCt	H-CDKL3	UNKNOWN	SYBR	None						26.174			
4 A4		FALSE	LNcap shCt	H-GAPDH	UNKNOWN	SYBR	None						16.093			
5 A5		FALSE	LNcap shCt	H-GAPDH	UNKNOWN	SYBR	None						16.096			
6 A6		FALSE	LNcap shCt	H-GAPDH	UNKNOWN	SYBR	None						16.061			
28 B4		FALSE	LNcap shCt	H-CDKL3	UNKNOWN	SYBR	None						26.411			
29 B5		FALSE	LNcap shCt	H-CDKL3	UNKNOWN	SYBR	None						26.310			
30 B6		FALSE	LNcap shCt	H-CDKL3	UNKNOWN	SYBR	None						26.231			

Analysis Ty Singleplex						
Endogenous H-HSP27						
RQ Min/Ma: 95.0						
Reference S Sample 1						

Figure S4A

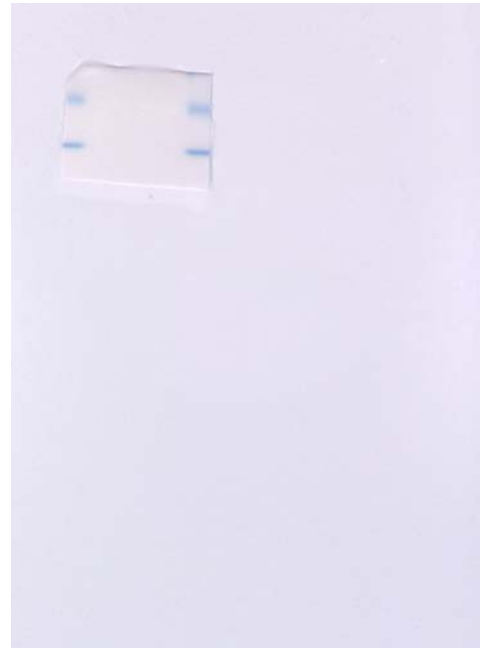


CDKL3



GAPDH

Figure S4C



Bcl-2

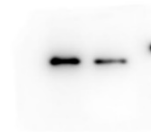


Caspase-7

Figure S4C



GAPDH



HSP27

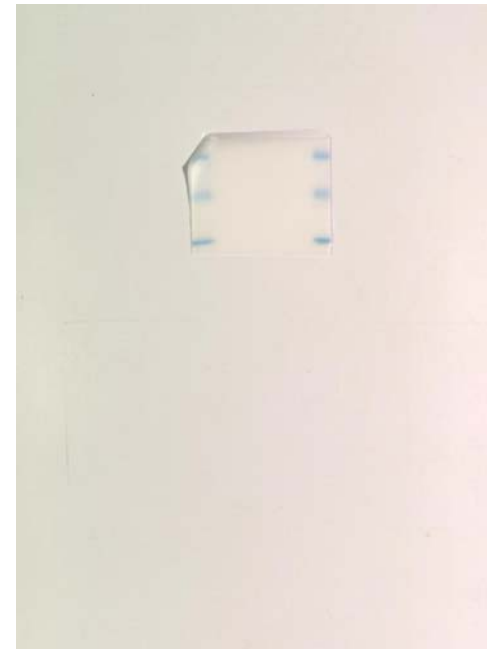
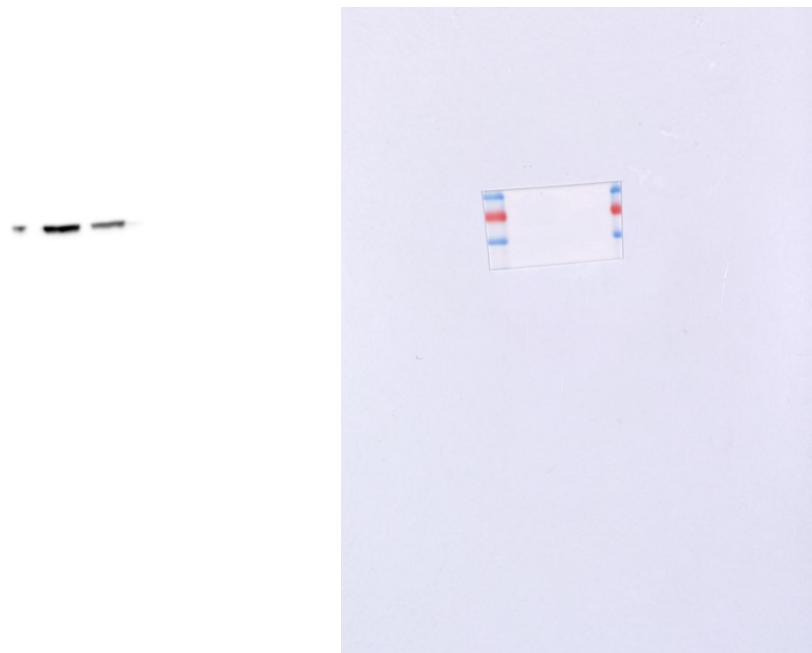


Figure S5 DU 145

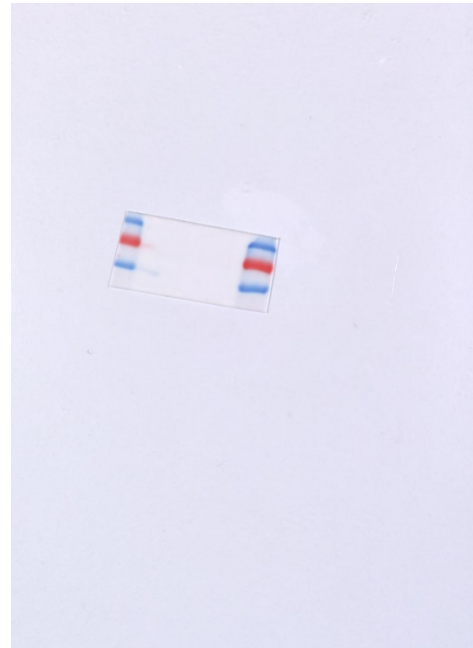


CDKL3

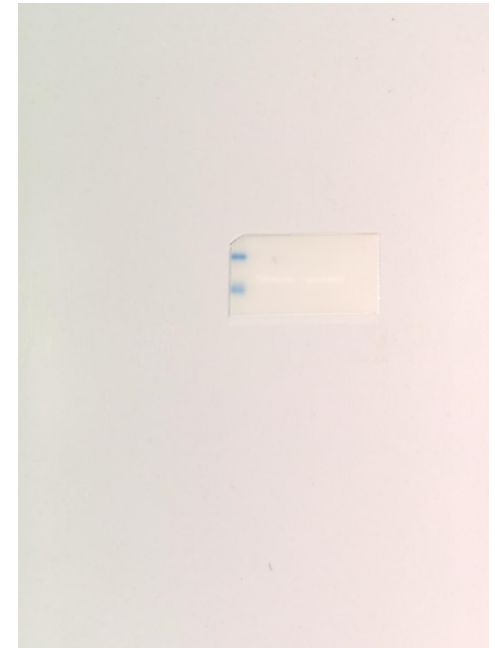


GAPDH

Figure S5 PC-3



CDKL3



GAPDH

Figure S8



CBL



CDKL3

Figure S9

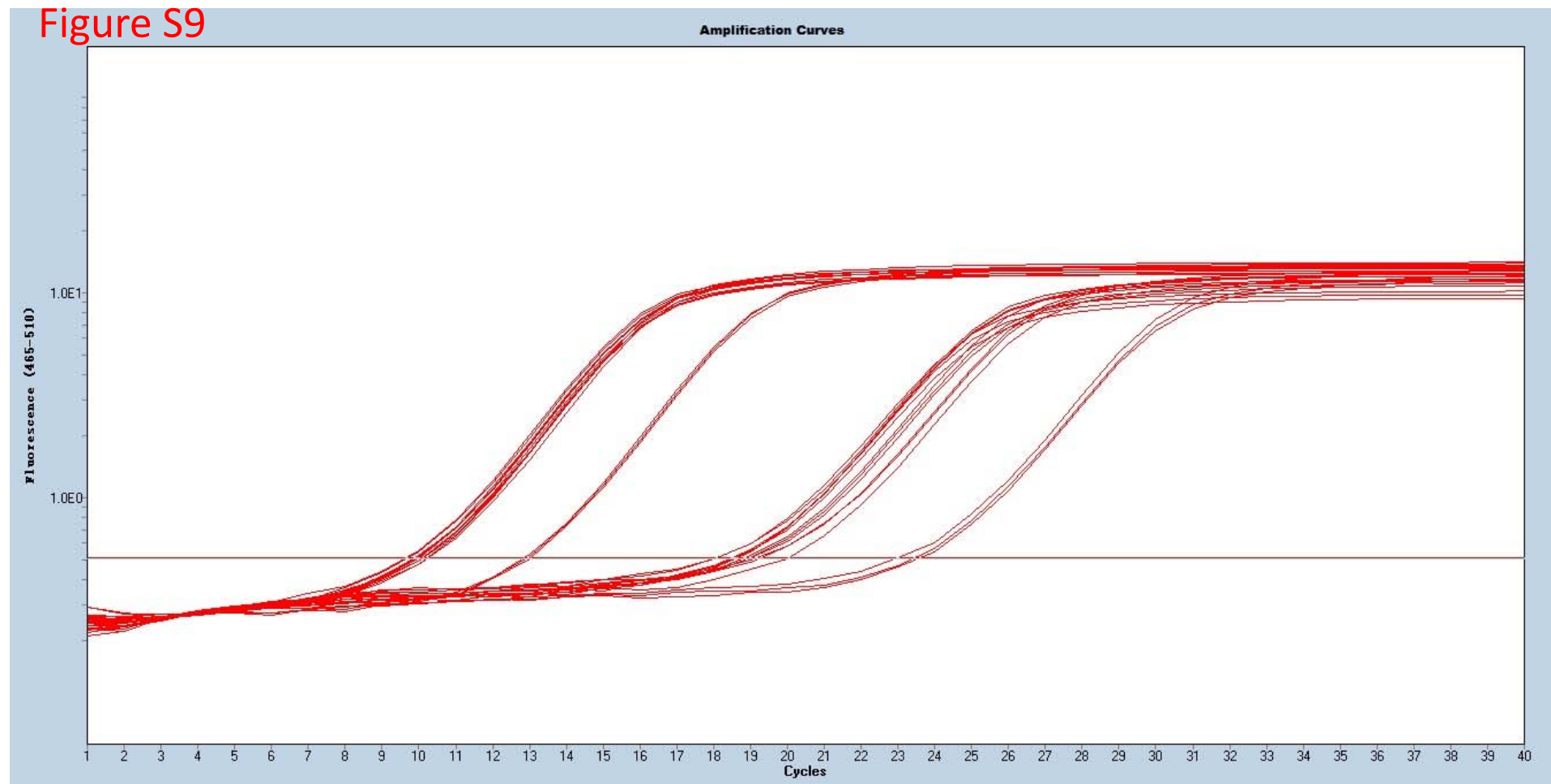


Figure S9

Experiment: 20200804 ZHANGZ Selected Filter: SYBR Green I / HRM Dye (465-510)									
Color	Pos	Include	Name	target gen	Cp	Tm1	Concentration	Standard	
255	D19	TRUE	DU 145 CON	H-GAPDH	10.3	82.08		0	
255	D20	TRUE	DU 145 CON	H-GAPDH	10.37	82.13		0	
255	D21	TRUE	DU 145 CON	H-GAPDH	10.28	82.26		0	
255	D22	TRUE	DU 145 CON	H-STAT1	18.6	79.32		0	
255	D23	TRUE	DU 145 CON	H-STAT1	18.37	79.42		0	
255	D24	TRUE	DU 145 CON	H-STAT1	18.73	79.42		0	
255	E19	TRUE	DU 145 shCtrl	H-GAPDH	10.43	82.13		0	
255	E20	TRUE	DU 145 shCtrl	H-GAPDH	10.34	82.24		0	
255	E21	TRUE	DU 145 shCtrl	H-GAPDH	10.29	82.26		0	
255	E22	TRUE	DU 145 shCtrl	H-STAT1	18.32	79.33		0	
255	E23	TRUE	DU 145 shCtrl	H-STAT1	18.68	79.37		0	
255	E24	TRUE	DU 145 shCtrl	H-STAT1	18.61	79.44		0	
255	F19	TRUE	DU 145 shSTAT1-1	H-GAPDH	9.77	82.26		0	
255	F20	TRUE	DU 145 shSTAT1-1	H-GAPDH	9.92	82.21		0	
255	F21	TRUE	DU 145 shSTAT1-1	H-GAPDH	9.71	82.25		0	
255	F22	TRUE	DU 145 shSTAT1-1	H-STAT1	18.82	79.29		0	
255	F23	TRUE	DU 145 shSTAT1-1	H-STAT1	18.92	79.3		0	
255	F24	TRUE	DU 145 shSTAT1-1	H-STAT1	18.9	79.38		0	
255	G19	TRUE	DU 145 shSTAT1-2	H-GAPDH	12.98	82.21		0	
255	G20	TRUE	DU 145 shSTAT1-2	H-GAPDH	12.93	82.2		0	
255	G21	TRUE	DU 145 shSTAT1-2	H-GAPDH	12.87	82.29		0	
255	G22	TRUE	DU 145 shSTAT1-2	H-STAT1	22.94	79.34		0	
255	G23	TRUE	DU 145 shSTAT1-2	H-STAT1	23.59	79.33		0	
255	G24	TRUE	DU 145 shSTAT1-2	H-STAT1	23.74	79.33		0	
255	H19	TRUE	DU 145 shSTAT1-3	H-GAPDH	9.89	82.31		0	
255	H20	TRUE	DU 145 shSTAT1-3	H-GAPDH	9.95	82.3		0	
255	H21	TRUE	DU 145 shSTAT1-3	H-GAPDH	9.98	82.25		0	
255	H22	TRUE	DU 145 shSTAT1-3	H-STAT1	19.43	79.38		0	
255	H23	TRUE	DU 145 shSTAT1-3	H-STAT1	19.41	79.38		0	
255	H24	TRUE	DU 145 shSTAT1-3	H-STAT1	19.99	79.31		0	

Figure S9

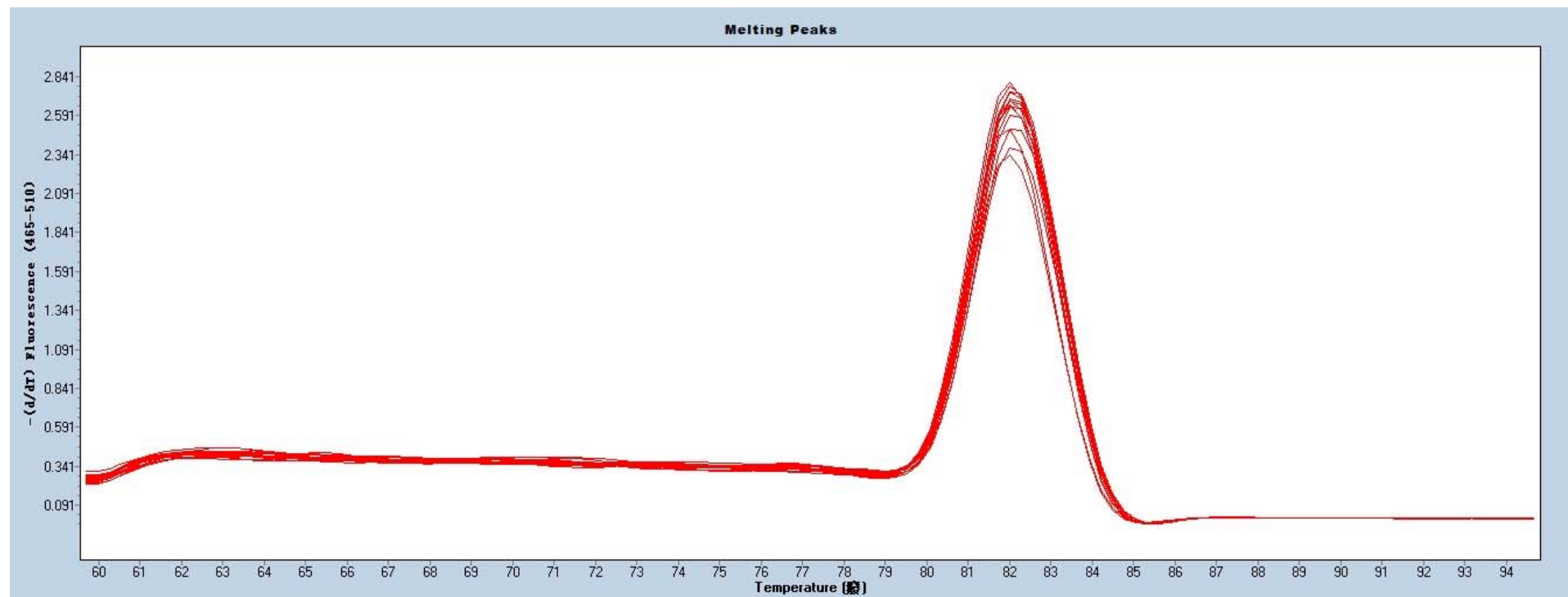


Figure S9

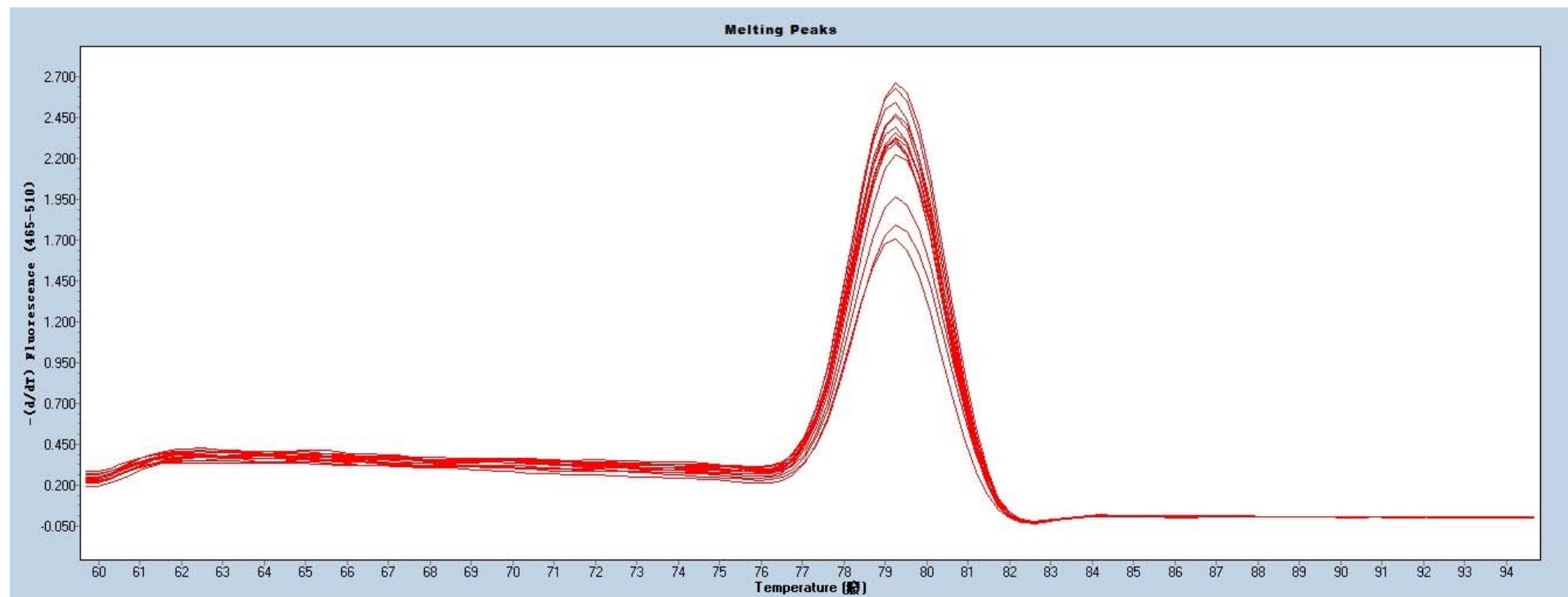


Figure S10A

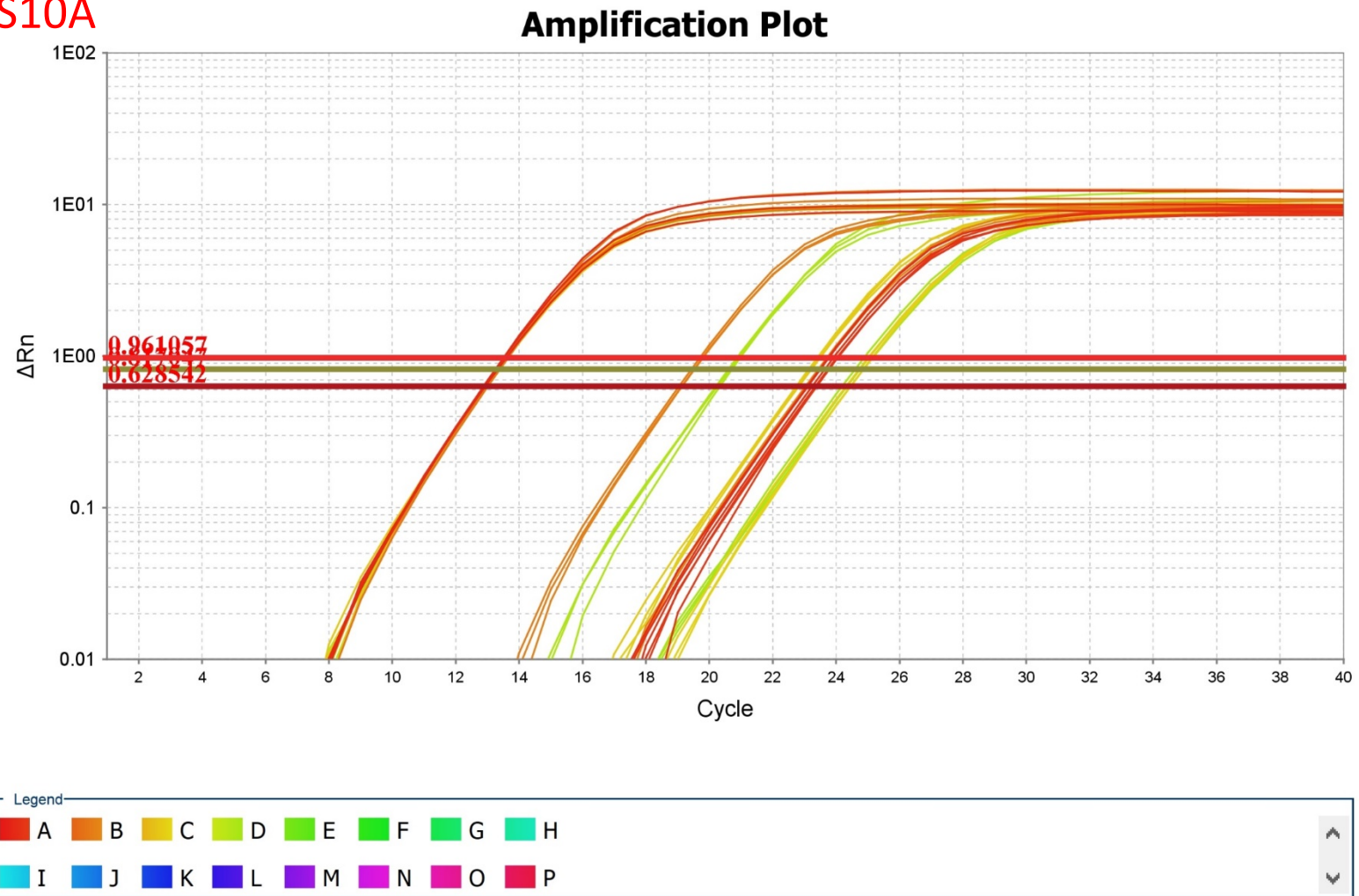


Figure S10A

Block Type 384-Well Block

Calibration 1 Yes

Calibration 2020-08-14 10:25:44 AM CST

Calibration 1 Yes

Calibration 1 2020-08-14 11:18:18 AM CST

Calibration 1 Yes

Calibration 1 2020-08-14 10:47:55 AM CST

Calibration 1 Yes

Calibration 1 2020-08-14 10:19:00 AM CST

Calibration 1 Yes

Calibration 1 2020-08-14 11:03:25 AM CST

Calibration 1 Yes

Calibration 1 2020-08-14 11:10:52 AM CST

Calibration 1 Yes

Calibration 1 2020-08-14 10:55:44 AM CST

Calibration 1 Yes

Calibration 1 2020-08-14 10:33:02 AM CST

Calibration 1 Yes

Calibration 1 2020-08-14 10:40:30 AM CST

Chemistry SYBR_GREEN

Experiment Barcode

Experiment Comments

Experiment C:\Users\jgongh\Desktop\2021-07-20CDJ eds

Experiment 2021-07-20CDJ

Experiment 2021-07-20 23:54:57 PM CST

Experiment Comparative Ct (ΔΔCt)

Experiment User Name

Instrument 1 278882256

Instrument 1 278882256

Instrument 1 VIA 7

Passive Ref R0X

Quantificati Ct

Signal Smo true

Stage/ Cyl Stage 2

Step 2

Well	Well Positic	Sample Name	Target Name	Task	Reporter	Quencher	Quantity	Quantity	Mc Quantity	SECRQ	RQ Min	RQ Max	CT	Ct Mean
13 A13	FALSE	DU 145 NC(OE+K+D)	H-GAPDH	UNKNOWN	SYBR	None	None	None	None	None	None	None	12.869518	
14 A14	FALSE	DU 145 NC(OE+K+D)	H-GAPDH	UNKNOWN	SYBR	None	None	None	None	None	None	None	12.821873	
15 A15	FALSE	DU 145 NC(OE+K+D)	H-GAPDH	UNKNOWN	SYBR	None	None	None	None	None	None	None	12.878902	
16 A16	FALSE	DU 145 NC(OE+K+D)	H-CDKL3	UNKNOWN	SYBR	None	None	None	None	None	None	None	23.46889	
17 A17	FALSE	DU 145 NC(OE+K+D)	H-CDKL3	UNKNOWN	SYBR	None	None	None	None	None	None	None	23.495674	
18 A18	FALSE	DU 145 NC(OE+K+D)	H-CDKL3	UNKNOWN	SYBR	None	None	None	None	None	None	None	23.625553	
19 A19	FALSE	DU 145 NC(OE+K+D)	H-STAT1	UNKNOWN	SYBR	None	None	None	None	None	None	None	23.985607	
20 A20	FALSE	DU 145 NC(OE+K+D)	H-STAT1	UNKNOWN	SYBR	None	None	None	None	None	None	None	23.965137	
21 A21	FALSE	DU 145 NC(OE+K+D)	H-STAT1	UNKNOWN	SYBR	None	None	None	None	None	None	None	23.990973	
37 B13	FALSE	DU 145 CDKL3+NC-shSTAT1	H-GAPDH	UNKNOWN	SYBR	None	None	None	None	None	None	None	12.976873	
38 B14	FALSE	DU 145 CDKL3+NC-shSTAT1	H-GAPDH	UNKNOWN	SYBR	None	None	None	None	None	None	None	12.940309	
39 B15	FALSE	DU 145 CDKL3+NC-shSTAT1	H-GAPDH	UNKNOWN	SYBR	None	None	None	None	None	None	None	13.004471	
40 B16	FALSE	DU 145 CDKL3+NC-shSTAT1	H-CDKL3	UNKNOWN	SYBR	None	None	None	None	None	None	None	19.434507	
41 B17	FALSE	DU 145 CDKL3+NC-shSTAT1	H-CDKL3	UNKNOWN	SYBR	None	None	None	None	None	None	None	19.826077	
42 B18	FALSE	DU 145 CDKL3+NC-shSTAT1	H-CDKL3	UNKNOWN	SYBR	None	None	None	None	None	None	None	19.522565	
43 B19	FALSE	DU 145 CDKL3+NC-shSTAT1	H-STAT1	UNKNOWN	SYBR	None	None	None	None	None	None	None	23.667553	
44 B20	FALSE	DU 145 CDKL3+NC-shSTAT1	H-STAT1	UNKNOWN	SYBR	None	None	None	None	None	None	None	23.69375	
45 B21	FALSE	DU 145 CDKL3+NC-shSTAT1	H-STAT1	UNKNOWN	SYBR	None	None	None	None	None	None	None	23.716137	
61 C13	FALSE	DU 145 STAT1+NC-shCDKL3	H-GAPDH	UNKNOWN	SYBR	None	None	None	None	None	None	None	13.00252	
62 C14	FALSE	DU 145 STAT1+NC-shCDKL3	H-GAPDH	UNKNOWN	SYBR	None	None	None	None	None	None	None	12.963161	
63 C15	FALSE	DU 145 STAT1+NC-shCDKL3	H-GAPDH	UNKNOWN	SYBR	None	None	None	None	None	None	None	12.925838	
64 C16	FALSE	DU 145 STAT1+NC-shCDKL3	H-CDKL3	UNKNOWN	SYBR	None	None	None	None	None	None	None	23.484057	
65 C17	FALSE	DU 145 STAT1+NC-shCDKL3	H-CDKL3	UNKNOWN	SYBR	None	None	None	None	None	None	None	23.490641	
66 C18	FALSE	DU 145 STAT1+NC-shCDKL3	H-CDKL3	UNKNOWN	SYBR	None	None	None	None	None	None	None	23.412188	
67 C19	FALSE	DU 145 STAT1+NC-shCDKL3	H-STAT1	UNKNOWN	SYBR	None	None	None	None	None	None	None	24.914480	
68 C20	FALSE	DU 145 STAT1+NC-shCDKL3	H-STAT1	UNKNOWN	SYBR	None	None	None	None	None	None	None	25.07188	
69 C21	FALSE	DU 145 STAT1+NC-shCDKL3	H-STAT1	UNKNOWN	SYBR	None	None	None	None	None	None	None	25.072912	
85 D13	FALSE	DU 145 CDKL3+STAT1	H-GAPDH	UNKNOWN	SYBR	None	None	None	None	None	None	None	12.828718	
86 D14	FALSE	DU 145 CDKL3+STAT1	H-GAPDH	UNKNOWN	SYBR	None	None	None	None	None	None	None	12.865093	
87 D15	FALSE	DU 145 CDKL3+STAT1	H-GAPDH	UNKNOWN	SYBR	None	None	None	None	None	None	None	12.970517	
88 D16	FALSE	DU 145 CDKL3+STAT1	H-CDKL3	UNKNOWN	SYBR	None	None	None	None	None	None	None	20.608906	
89 D17	FALSE	DU 145 CDKL3+STAT1	H-CDKL3	UNKNOWN	SYBR	None	None	None	None	None	None	None	20.730221	
90 D18	FALSE	DU 145 CDKL3+STAT1	H-CDKL3	UNKNOWN	SYBR	None	None	None	None	None	None	None	20.654099	
91 D19	FALSE	DU 145 CDKL3+STAT1	H-STAT1	UNKNOWN	SYBR	None	None	None	None	None	None	None	24.146981	
92 D20	FALSE	DU 145 CDKL3+STAT1	H-STAT1	UNKNOWN	SYBR	None	None	None	None	None	None	None	24.19354	
93 D21	FALSE	DU 145 CDKL3+STAT1	H-STAT1	UNKNOWN	SYBR	None	None	None	None	None	None	None	24.193612	

Figure S10A

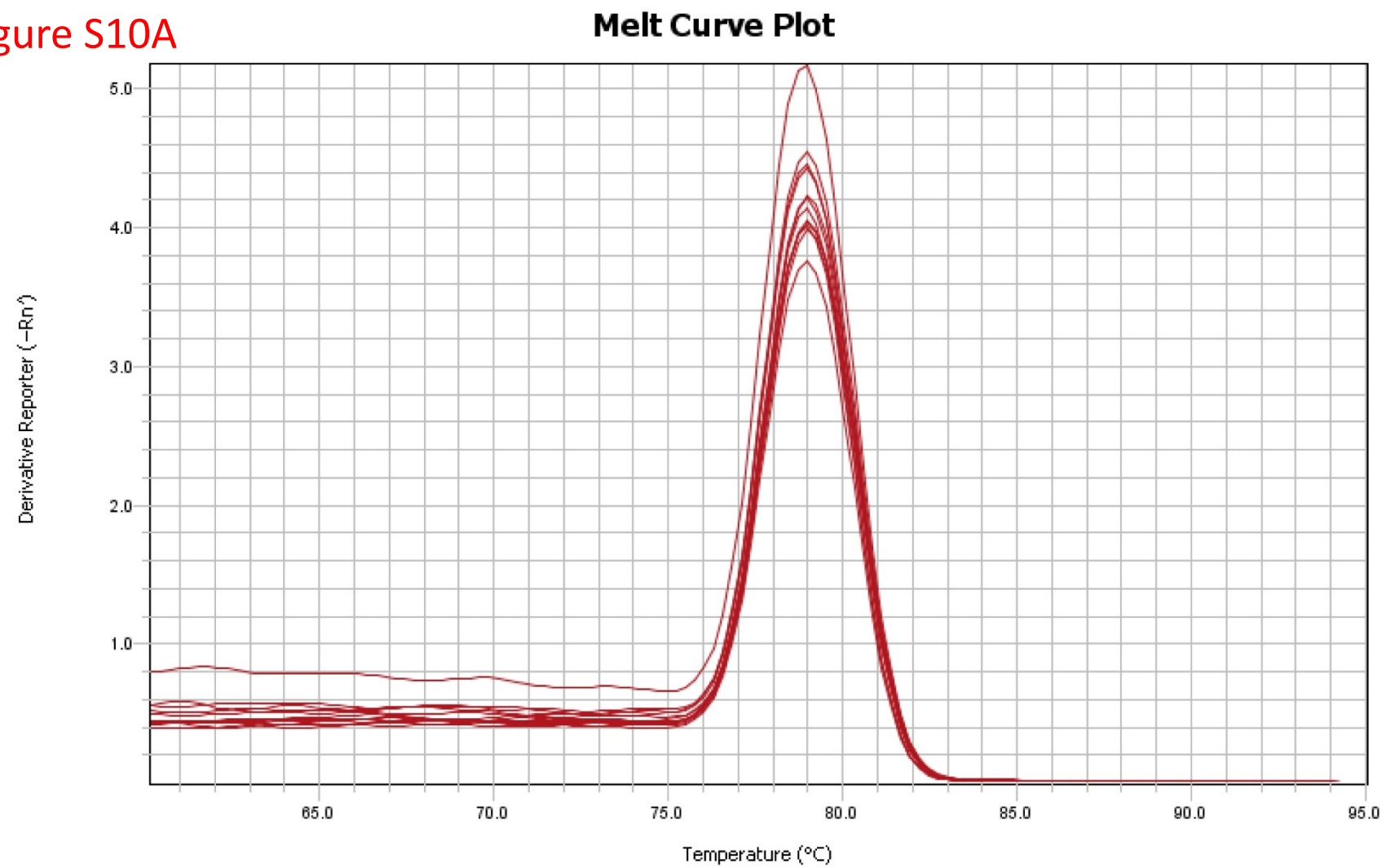


Figure S10A

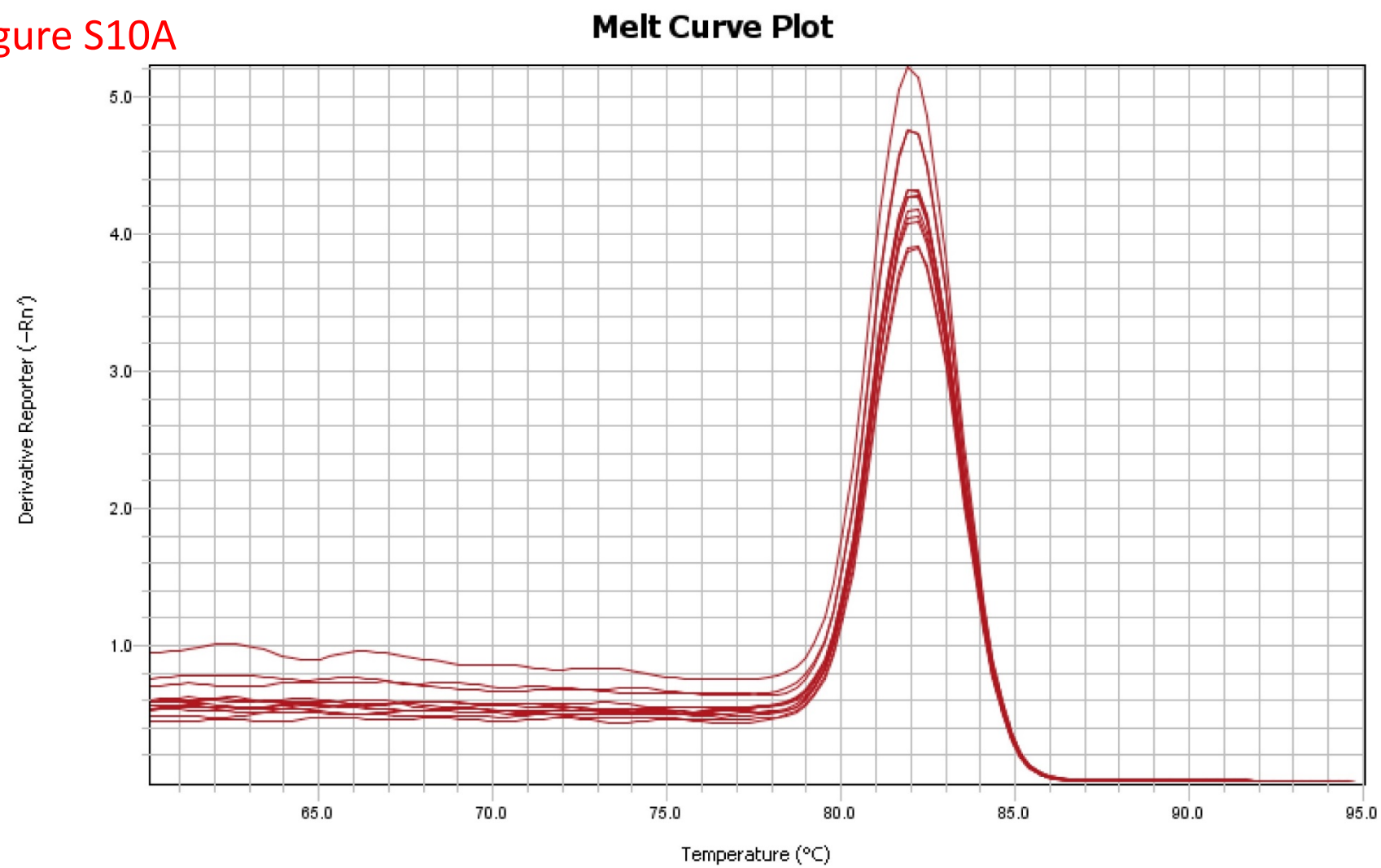


Figure S10A

Melt Curve Plot

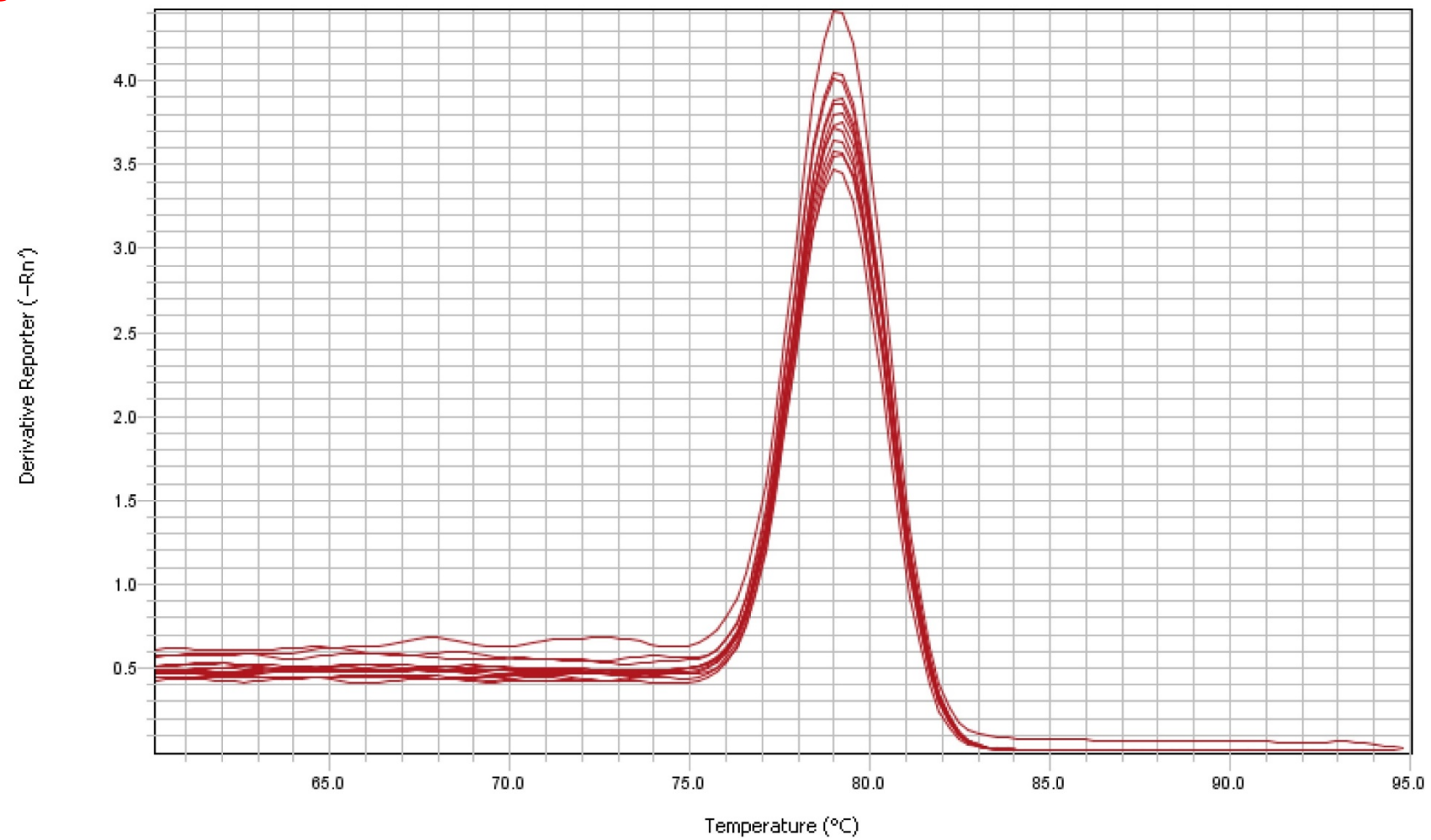
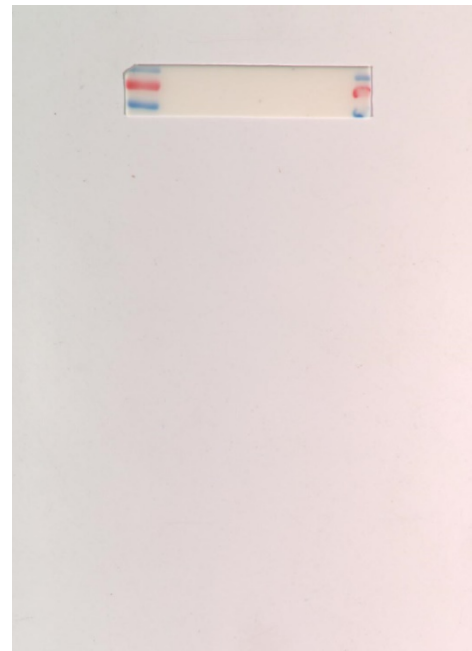
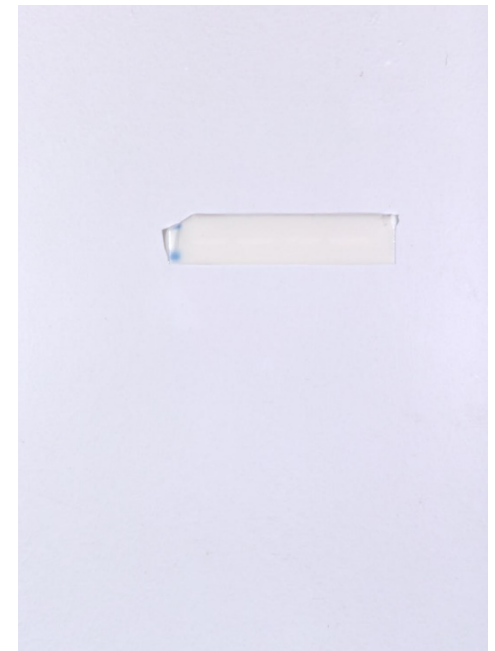
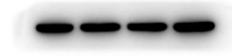


Figure S10B



CDKL3



GAPDH

Figure S10B



STAT1

Figure S11A

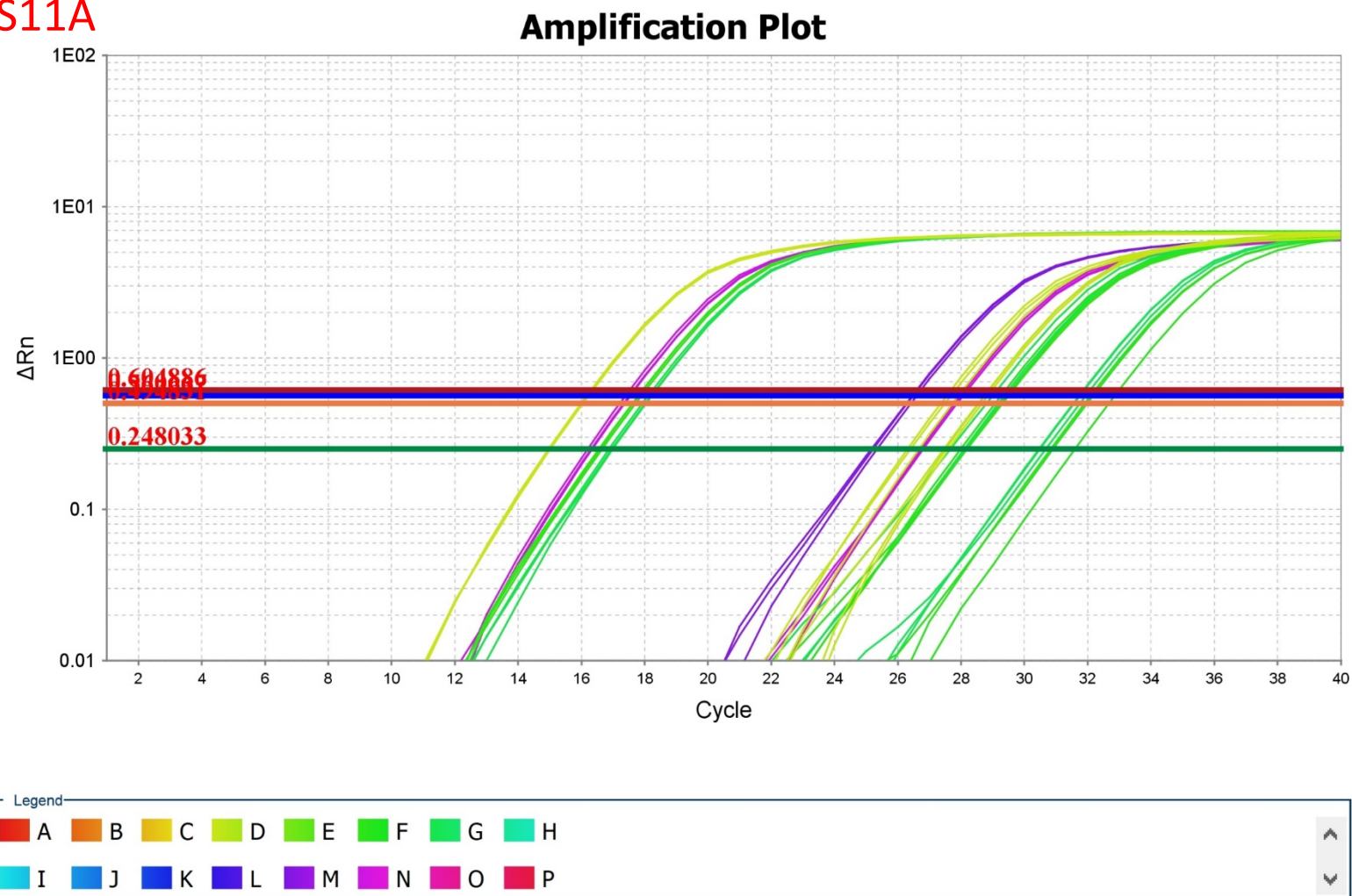


Figure S11A

Block Type 384-Well Block

Calibration 1 No

Calibration 1 2022-08-01 16:00:17 PM CST

Calibration 1 No

Calibration 1 2022-08-01 16:39:53 PM CST

Calibration 1 No

Calibration 1 2022-08-01 16:56:18 PM CST

Calibration 1 No

Calibration 1 2022-08-01 15:53:01 PM CST

Calibration 1 No

Calibration 1 2022-08-01 17:25:54 PM CST

Calibration 1 No

Calibration 1 2022-08-01 17:10:48 PM CST

Calibration 1 No

Calibration 1 2022-08-01 16:16:55 PM CST

Calibration 1 No

Calibration 1 2022-08-01 16:48:55 PM CST

Chemistry SYBR_GREEN

Experiment Barcode

Experiment Comments

Experiment C:\Users\zhou\Desktop\2022-11-16 11-15-1.eds

Experiment 2022-11-16 11-15-1

Experiment 2022-11-16 16:34:23 PM CST

Experiment Comparative Cr (ΔΔCt)

Experiment User Name

Instrument 1278882256

Instrument 1278882256

Instrument Via 7

Passive Ref ROK

Quantificati Ct

Signal Smo true

Stage/ Cyl Stage 2, Step 2

Well	Well Posit	On	Sample Name	Target Name	Task	Reporter	Quencher	Quantity	Quantity Mc	Quantity SC	RQ	RQ Min	RQ Max	CT	Ct Mean
73 D1	FALSE	FALSE	PC-3 NC(EO+KD)	H-GAPDH	UNKNOWN	SYBR	None								16.306
74 D2	FALSE	FALSE	PC-3 NC(EO+KD)	H-GAPDH1	UNKNOWN	SYBR	None								16.250
75 D3	FALSE	FALSE	PC-3 NC(EO+KD)	H-GAPDH	UNKNOWN	SYBR	None								16.290
76 D4	FALSE	FALSE	PC-3 NC(EO+KD)	H-CDKL3	UNKNOWN	SYBR	None								27.682
77 D5	FALSE	FALSE	PC-3 NC(EO+KD)	H-CDKL3	UNKNOWN	SYBR	None								27.525
78 D6	FALSE	FALSE	PC-3 NC(EO+KD)	H-CDKL3	UNKNOWN	SYBR	None								27.895
79 D7	FALSE	FALSE	PC-3 NC(EO+KD)	H-STAT1	UNKNOWN	SYBR	None								27.633
80 D8	FALSE	FALSE	PC-3 NC(EO+KD)	H-STAT1	UNKNOWN	SYBR	None								27.543
81 D9	FALSE	FALSE	PC-3 NC(EO+KD)	H-STAT1	UNKNOWN	SYBR	None								27.491
97 E1	FALSE	FALSE	PC-3 CDKL3+NC(KD)	H-GAPDH	UNKNOWN	SYBR	None								17.638
98 E2	FALSE	FALSE	PC-3 CDKL3+NC(KD)	H-GAPDH	UNKNOWN	SYBR	None								17.488
99 E3	FALSE	FALSE	PC-3 CDKL3+NC(KD)	H-GAPDH	UNKNOWN	SYBR	None								17.622
100 E4	FALSE	FALSE	PC-3 CDKL3+NC(KD)	H-CDKL3	UNKNOWN	SYBR	None								26.231
101 E5	FALSE	FALSE	PC-3 CDKL3+NC(KD)	H-CDKL3	UNKNOWN	SYBR	None								26.377
102 E6	FALSE	FALSE	PC-3 CDKL3+NC(KD)	H-CDKL3	UNKNOWN	SYBR	None								26.258
103 E7	FALSE	FALSE	PC-3 CDKL3+NC(KD)	H-STAT1	UNKNOWN	SYBR	None								27.838
104 E8	FALSE	FALSE	PC-3 CDKL3+NC(KD)	H-STAT1	UNKNOWN	SYBR	None								27.846
105 E9	FALSE	FALSE	PC-3 CDKL3+NC(KD)	H-STAT1	UNKNOWN	SYBR	None								27.761
121 F1	FALSE	FALSE	PC-3 shSTAT1+NC(EO)	H-GAPDH	UNKNOWN	SYBR	None								17.915
122 F2	FALSE	FALSE	PC-3 shSTAT1+NC(EO)	H-GAPDH	UNKNOWN	SYBR	None								17.979
123 F3	FALSE	FALSE	PC-3 shSTAT1+NC(EO)	H-GAPDH	UNKNOWN	SYBR	None								17.905
124 F4	FALSE	FALSE	PC-3 shSTAT1+NC(EO)	H-CDKL3	UNKNOWN	SYBR	None								29.489
125 F5	FALSE	FALSE	PC-3 shSTAT1+NC(EO)	H-CDKL3	UNKNOWN	SYBR	None								29.443
126 F6	FALSE	FALSE	PC-3 shSTAT1+NC(EO)	H-CDKL3	UNKNOWN	SYBR	None								29.242
127 F7	FALSE	FALSE	PC-3 shSTAT1+NC(EO)	H-STAT1	UNKNOWN	SYBR	None								30.846
128 F8	FALSE	FALSE	PC-3 shSTAT1+NC(EO)	H-STAT1	UNKNOWN	SYBR	None								31.618
129 F9	FALSE	FALSE	PC-3 shSTAT1+NC(EO)	H-STAT1	UNKNOWN	SYBR	None								30.910
145 G1	FALSE	FALSE	PC-3 CDKL3+shSTAT1	H-GAPDH	UNKNOWN	SYBR	None								18.311
146 G2	FALSE	FALSE	PC-3 CDKL3+shSTAT1	H-GAPDH	UNKNOWN	SYBR	None								18.201
147 G3	FALSE	FALSE	PC-3 CDKL3+shSTAT1	H-GAPDH	UNKNOWN	SYBR	None								18.296
148 G4	FALSE	FALSE	PC-3 CDKL3+shSTAT1	H-CDKL3	UNKNOWN	SYBR	None								28.981
149 G5	FALSE	FALSE	PC-3 CDKL3+shSTAT1	H-CDKL3	UNKNOWN	SYBR	None								29.226
150 G6	FALSE	FALSE	PC-3 CDKL3+shSTAT1	H-CDKL3	UNKNOWN	SYBR	None								29.357
151 G7	FALSE	FALSE	PC-3 CDKL3+shSTAT1	H-STAT1	UNKNOWN	SYBR	None								30.501
152 G8	FALSE	FALSE	PC-3 CDKL3+shSTAT1	H-STAT1	UNKNOWN	SYBR	None								30.529
153 G9	FALSE	FALSE	PC-3 CDKL3+shSTAT1	H-STAT1	UNKNOWN	SYBR	None								30.703

Figure S11A

Melt Curve Plot

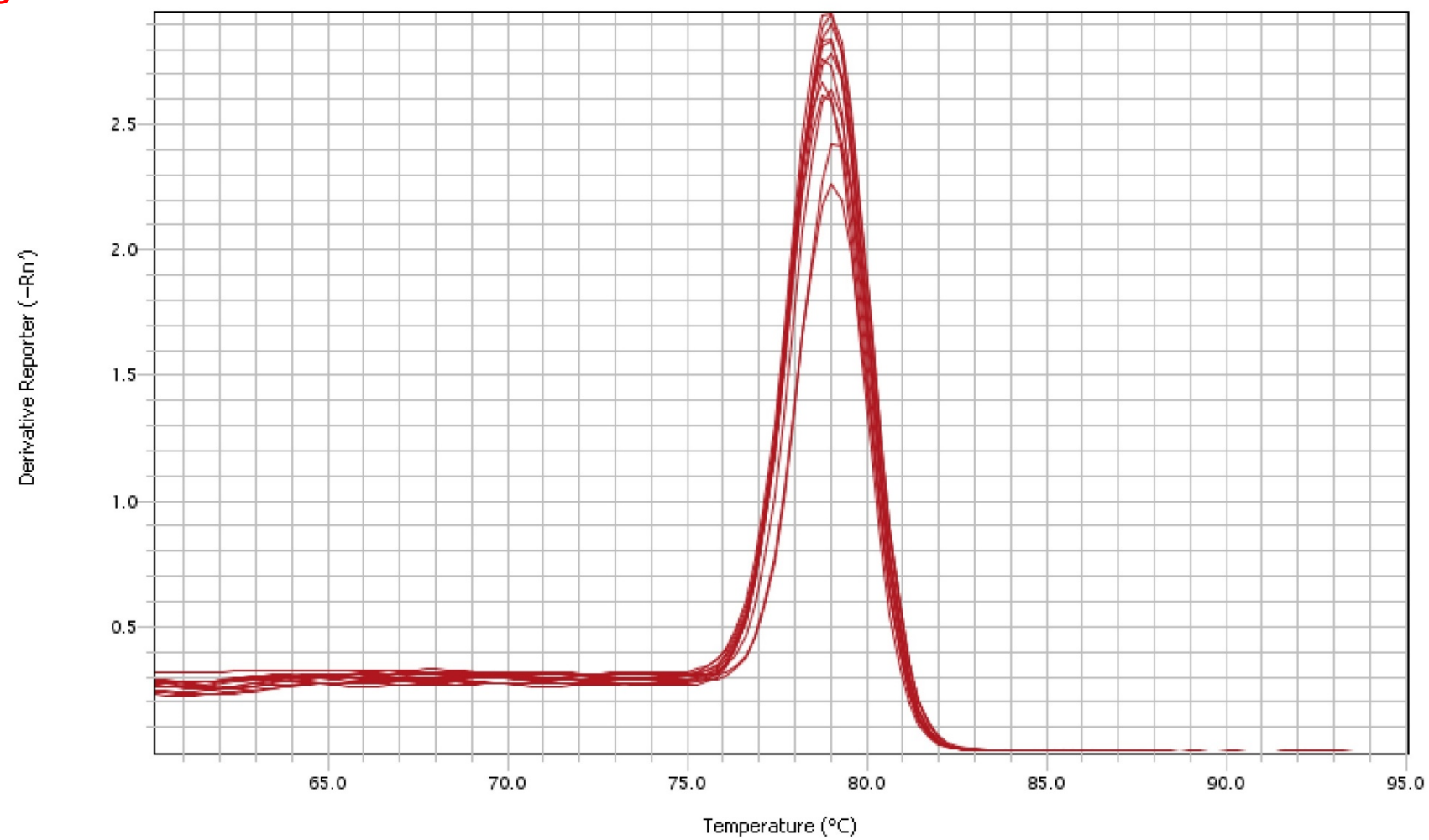


Figure S11A

Melt Curve Plot

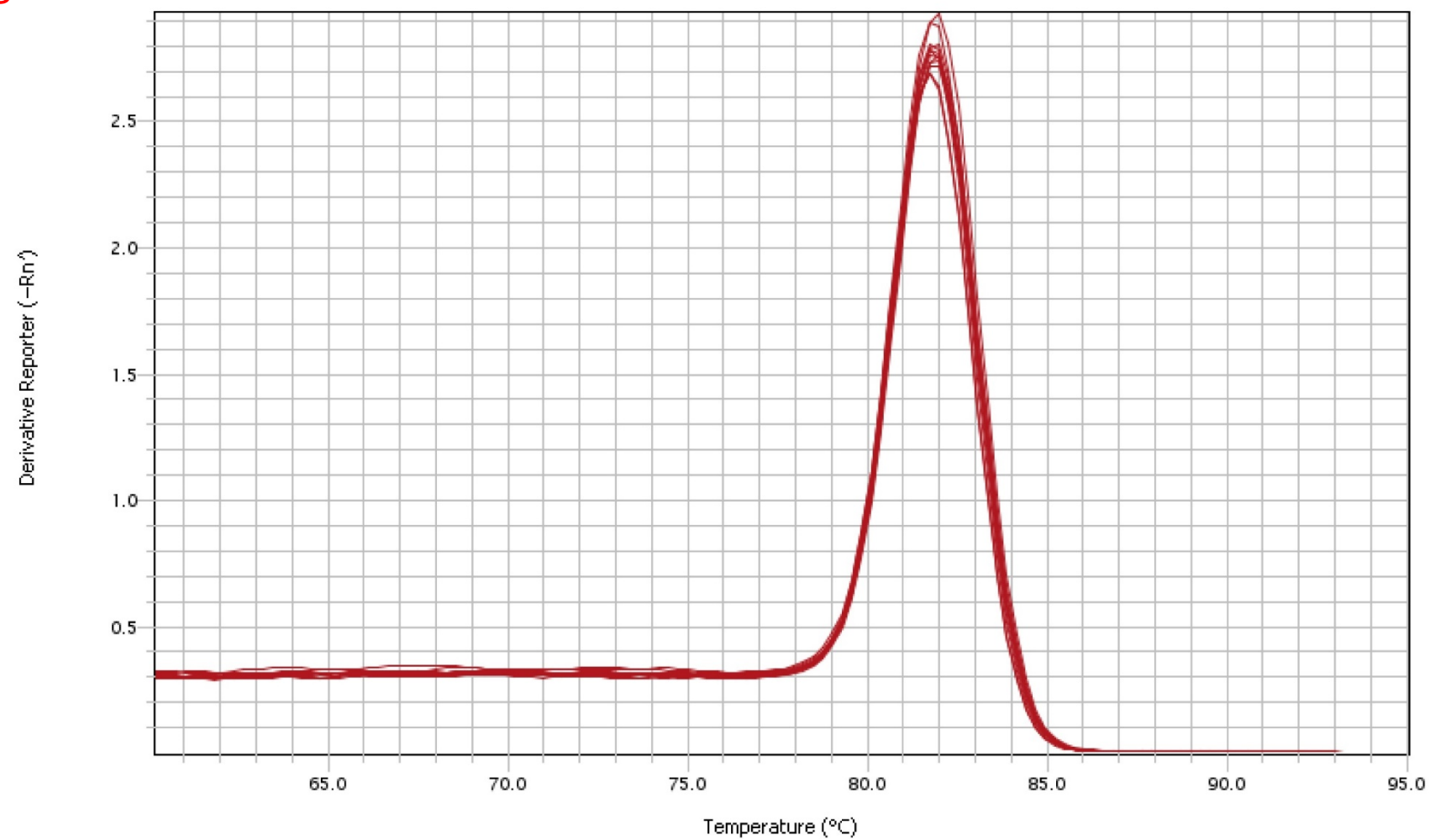


Figure S11A

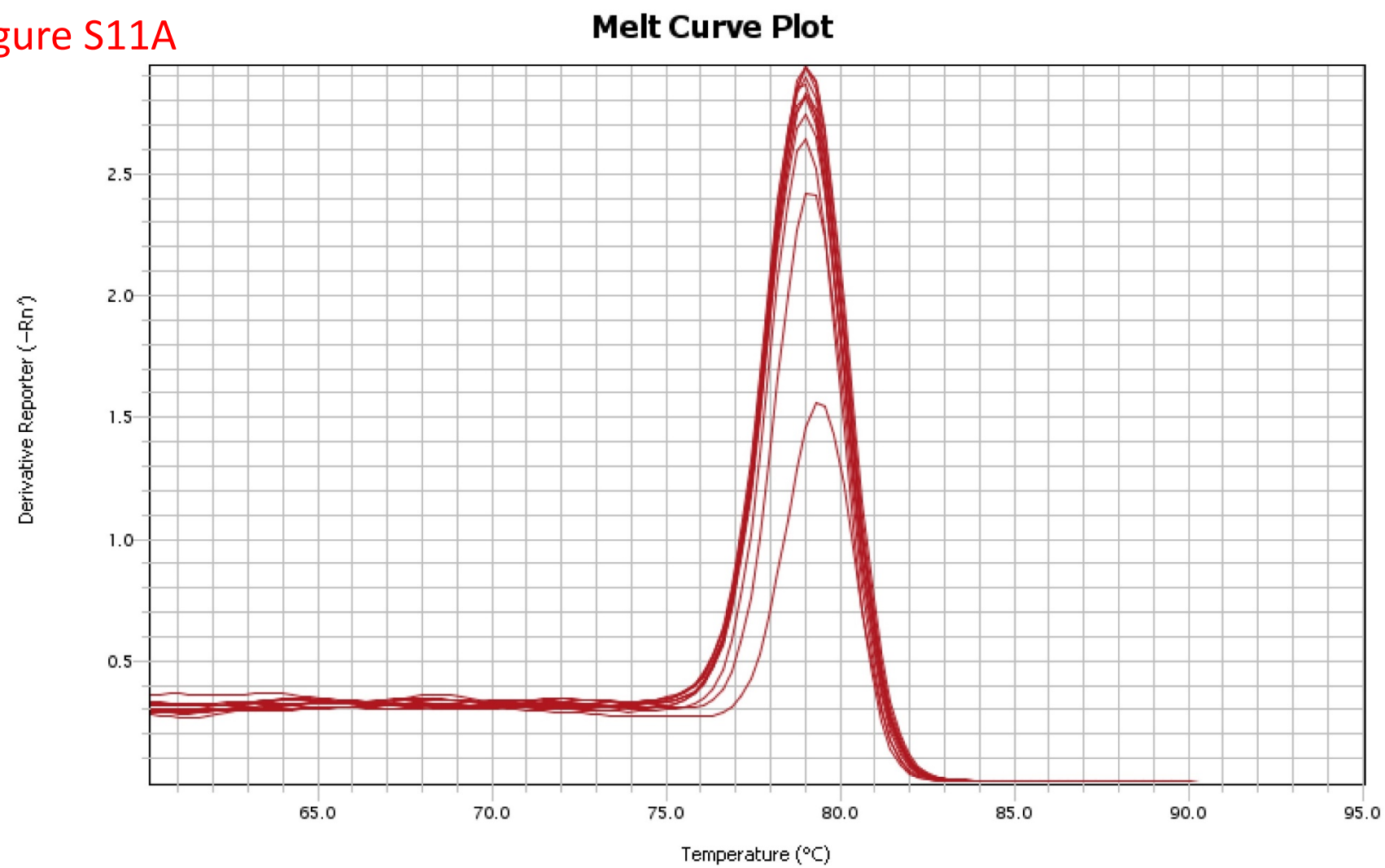
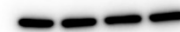


Figure S11B



CDKL3



GAPDH

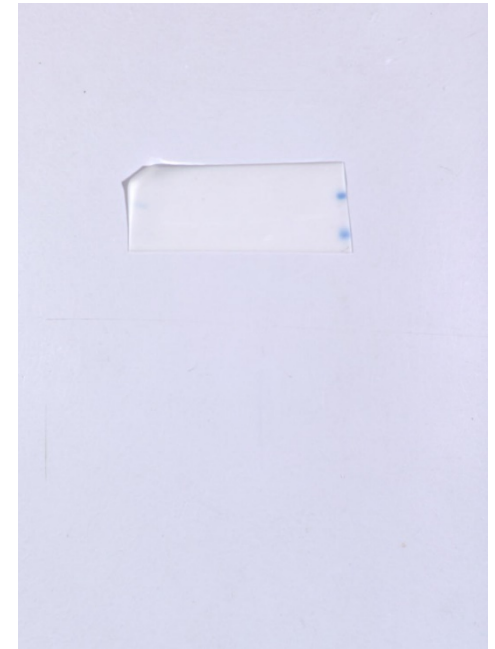
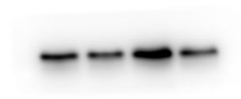


Figure S11B



STAT1

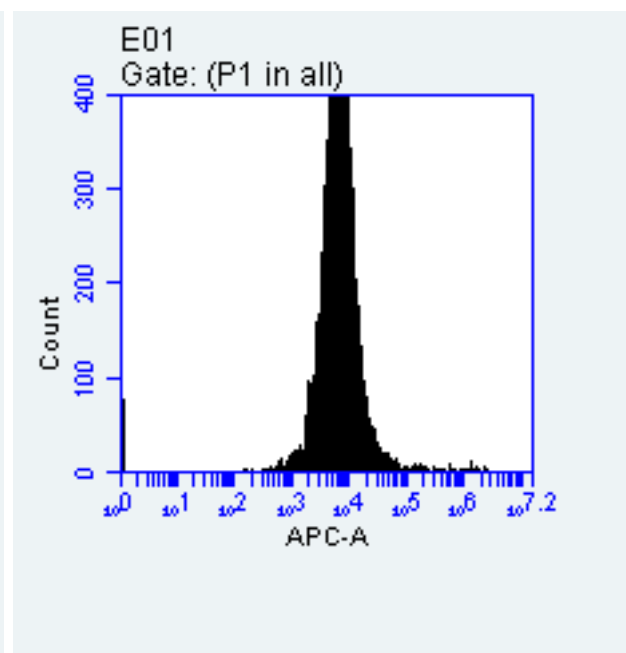
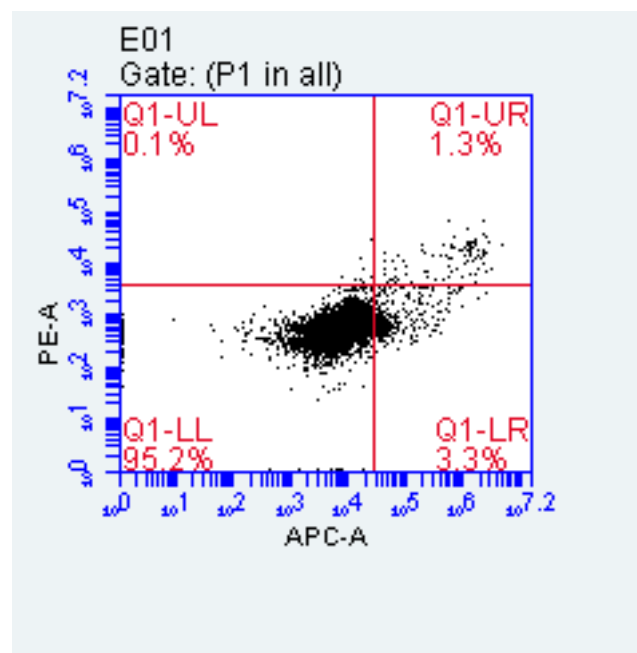


Figure S12C

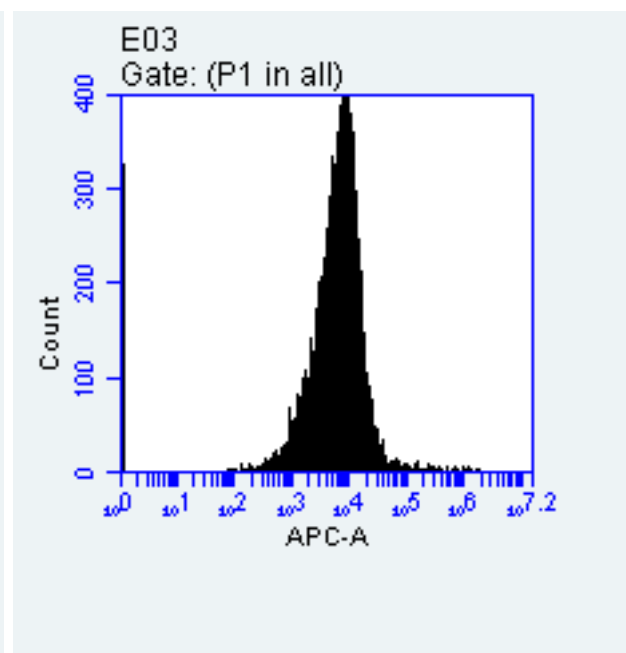
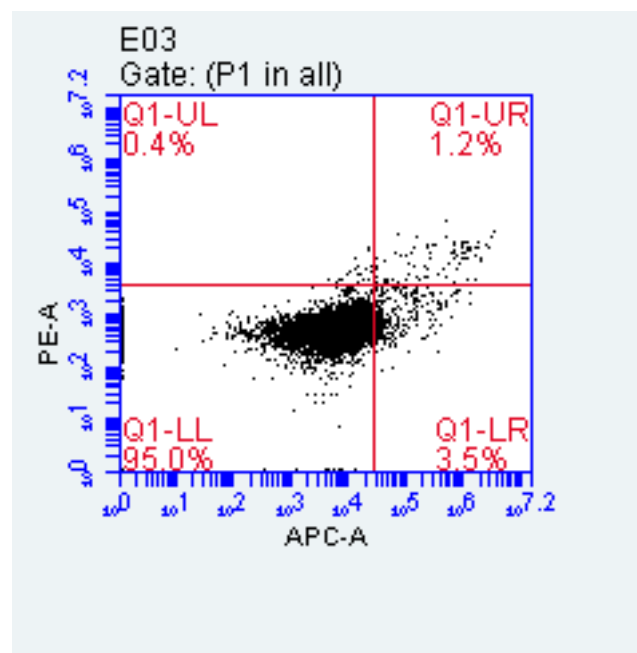


Figure S12C

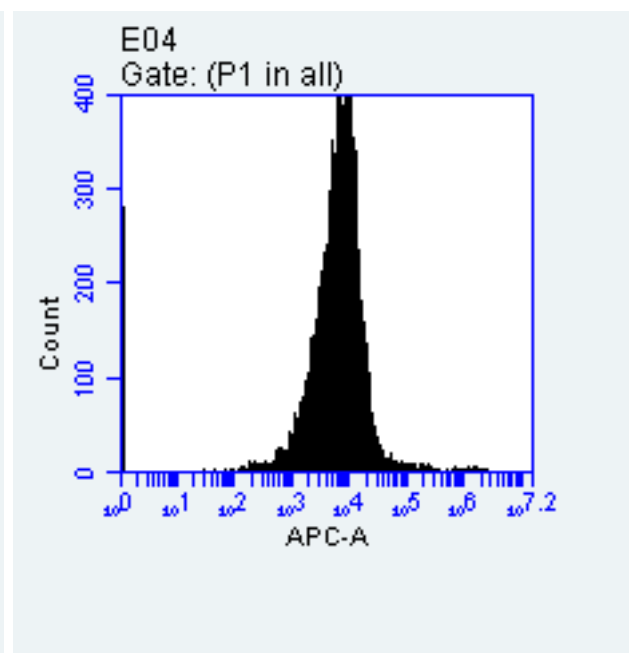
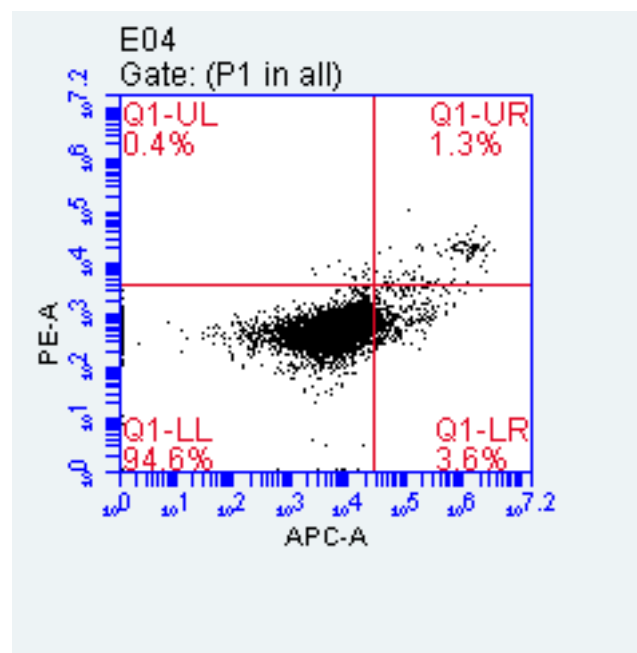


Figure S12C

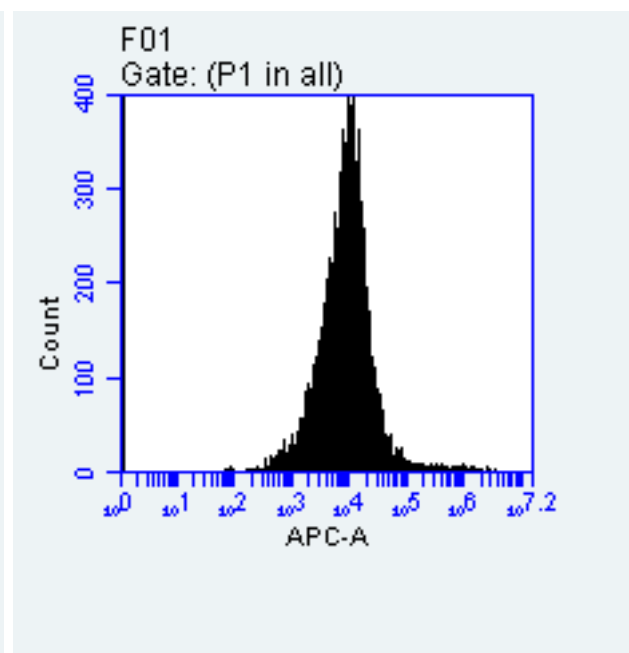
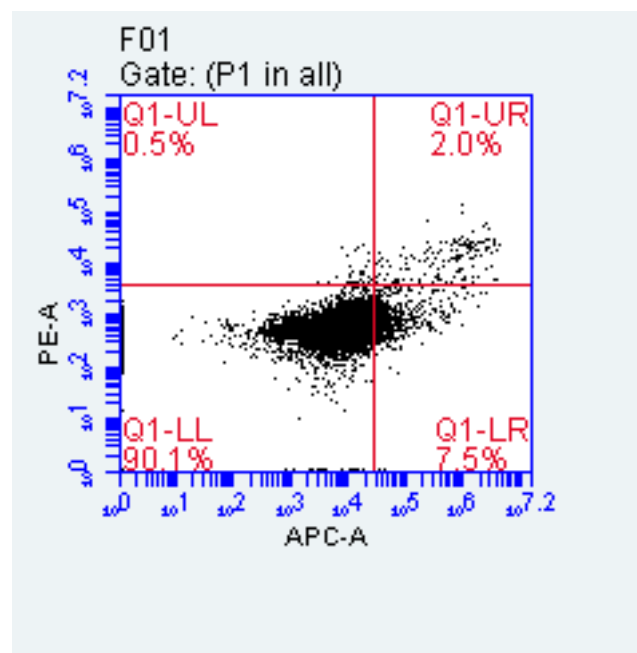


Figure S12C

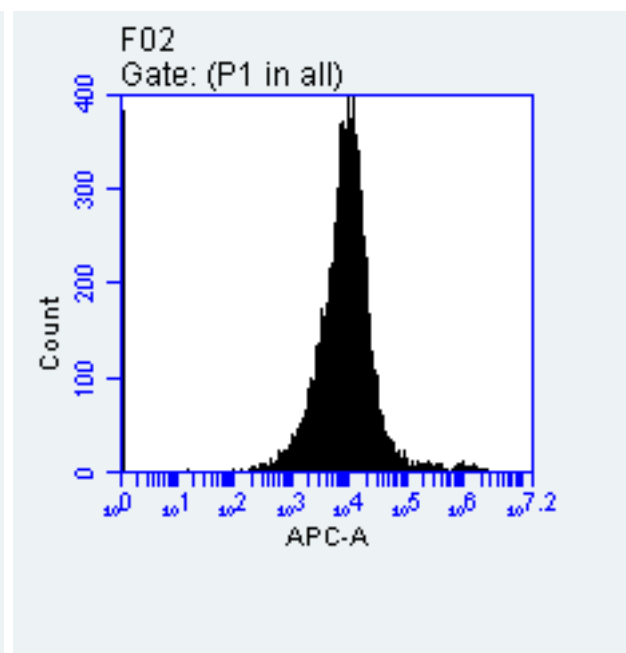
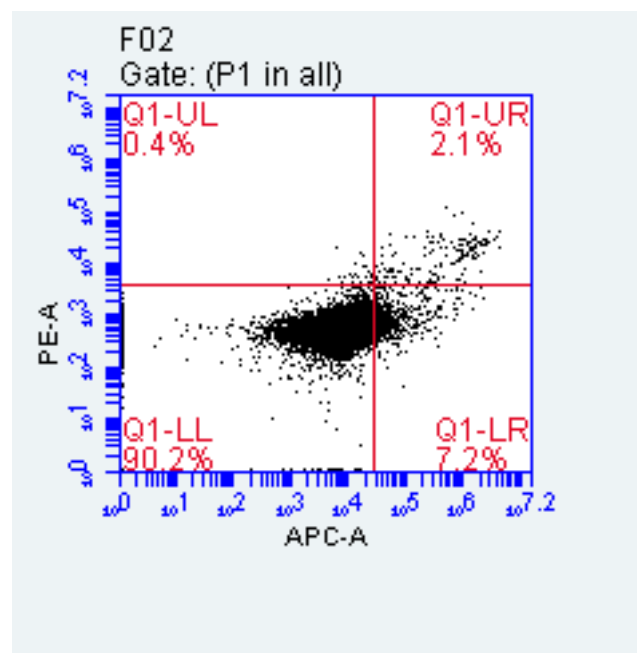


Figure S12C

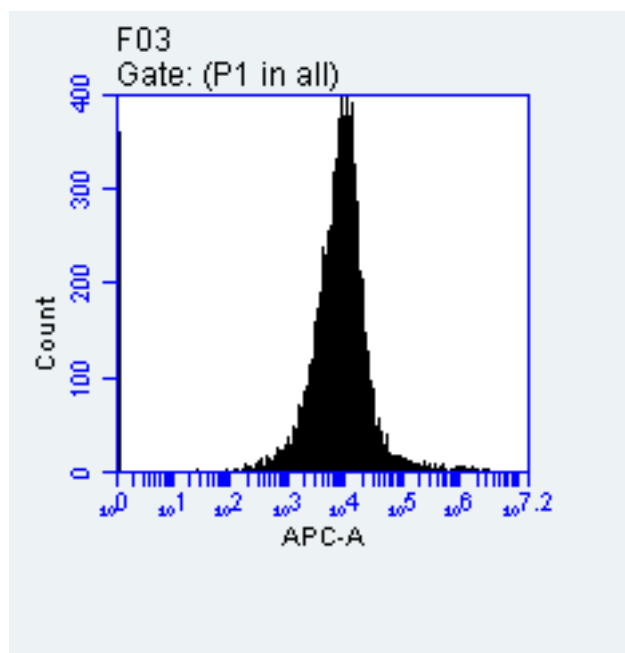
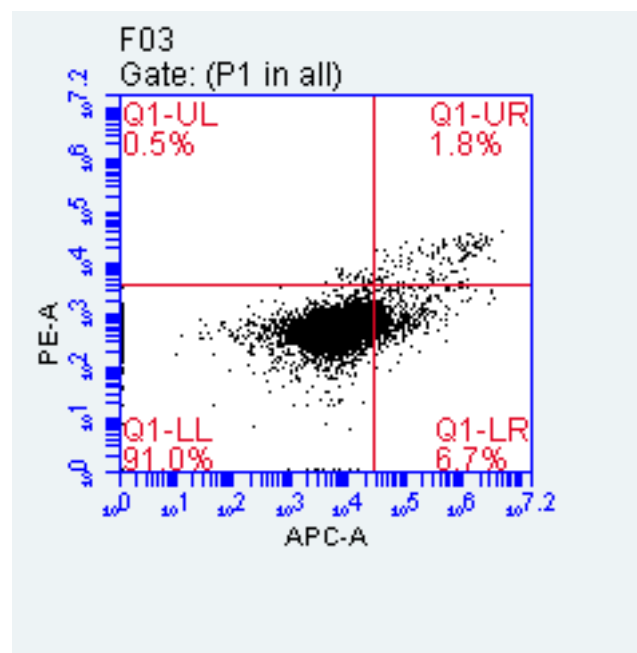


Figure S12C

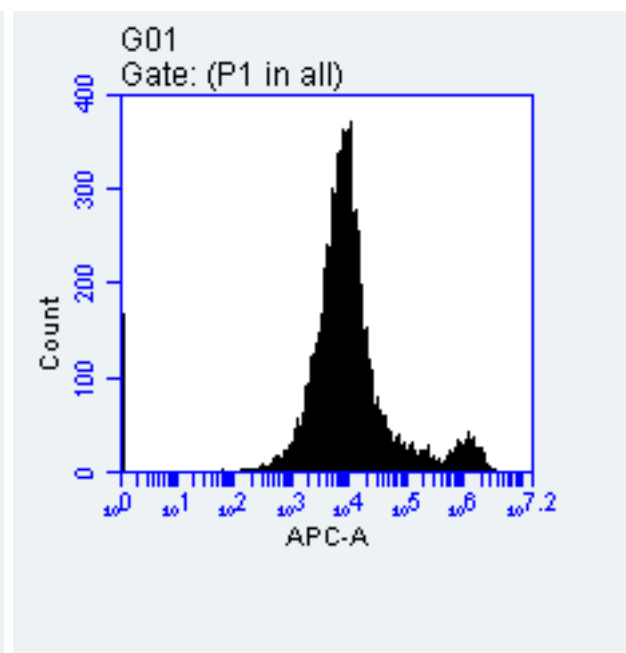
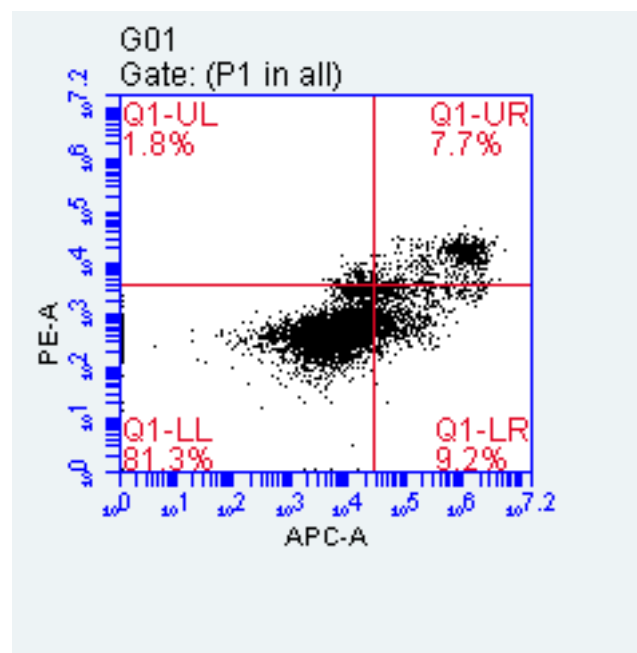


Figure S12C

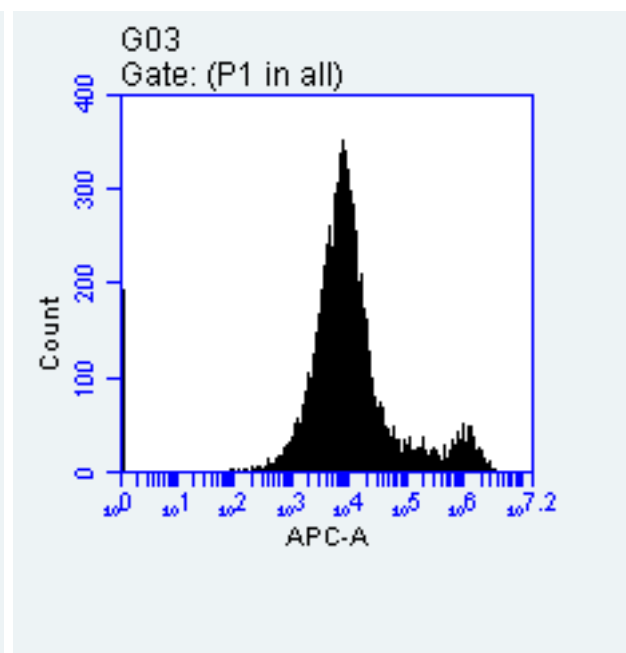
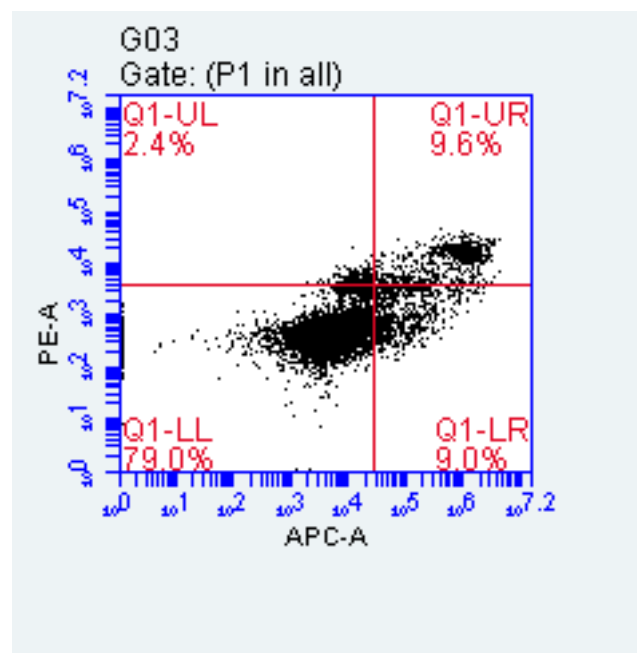


Figure S12C

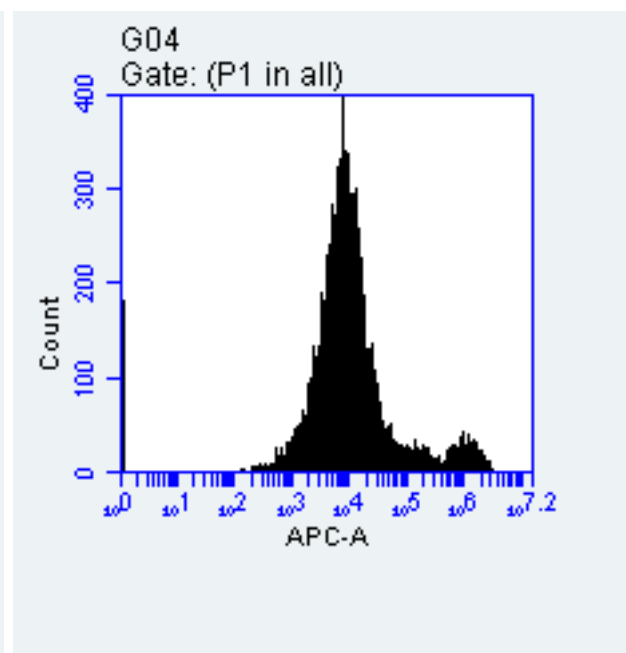
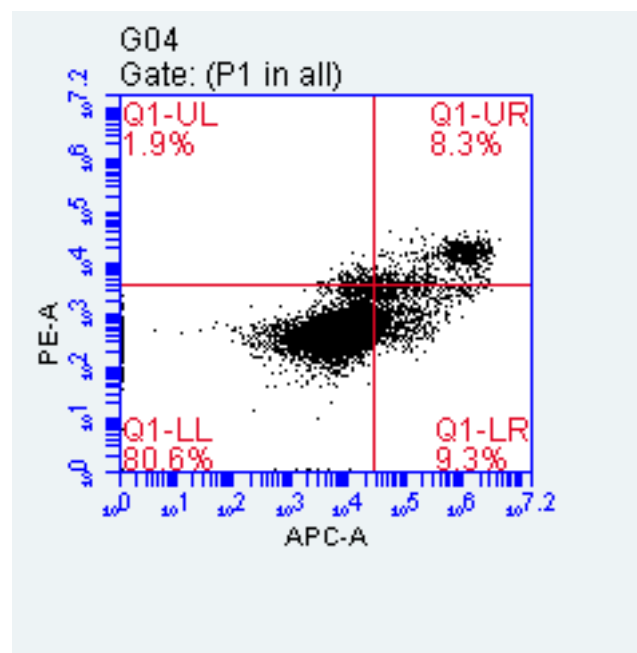


Figure S12C

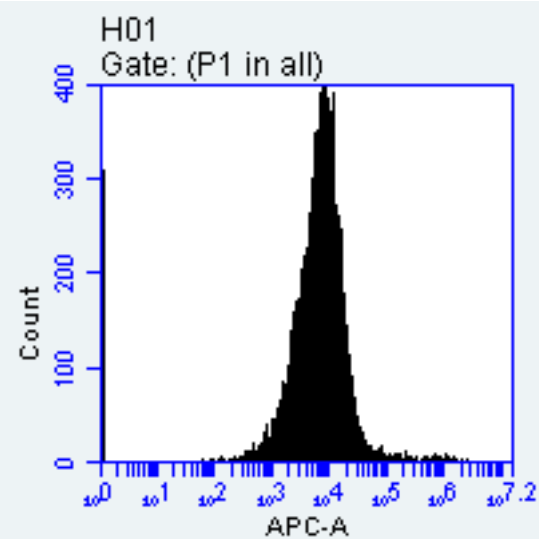
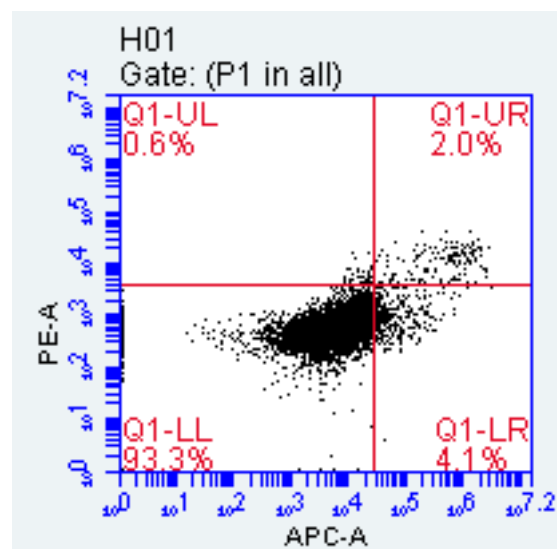


Figure S12C

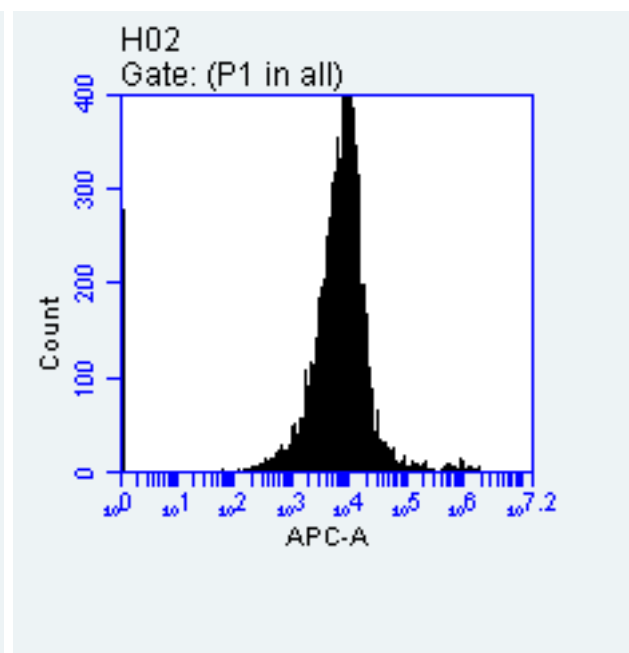
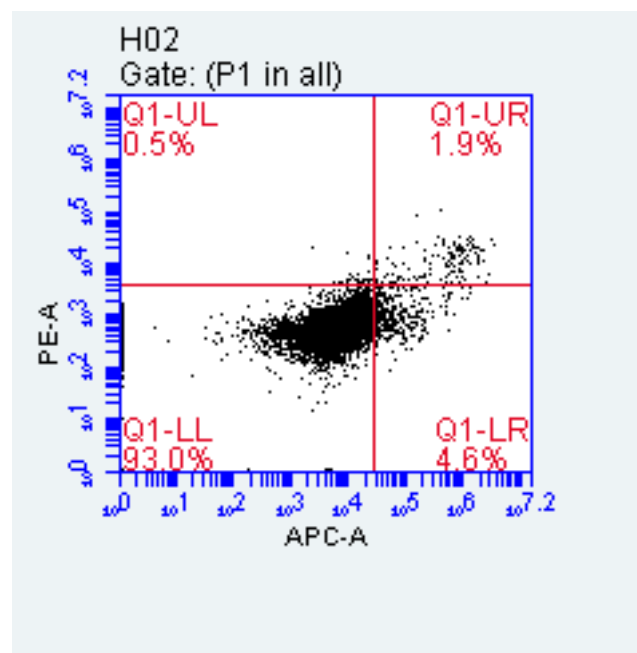


Figure S12C

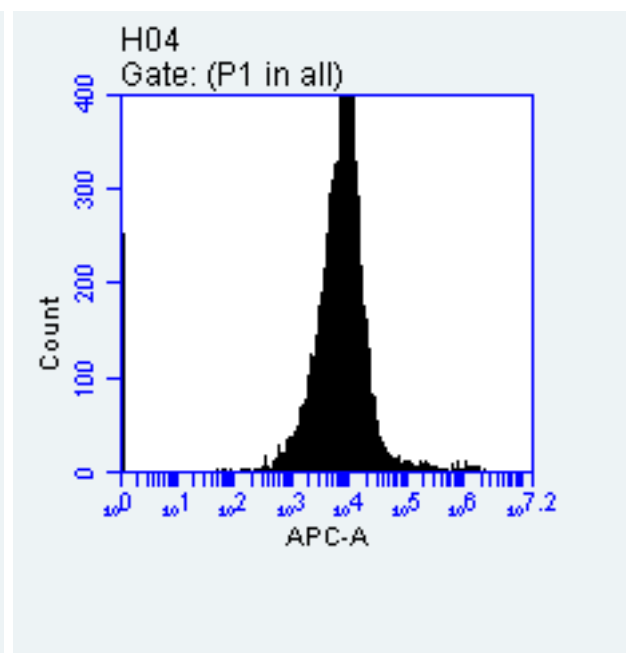
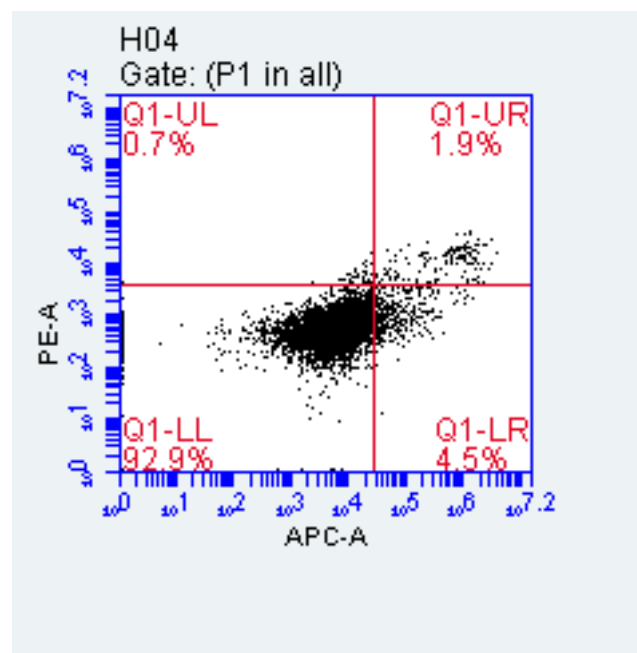


Figure S12C

Plot 3: E01: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	Mean PE-A	CV APC-A	CV PE-A	Median APC-A	Median PE-A
This Plot	8,000	2000	100.00%	59.04%	26,216.71	800.55	673.12%	268.35%		
Q1-UL	11	3	0.14%	0.08%	19,599.45	7,853.27	33.28%	88.05%		
Q1-UR	107	27	1.34%	0.79%	1,071,593.33	14,724.82	93.10%	76.95%		
Q1-LL	7,619	1905	95.24%	56.23%	7,395.59	581.28	64.34%	53.08%		
Q1-LR	263	66	3.29%	1.94%	146,428.13	1,192.78	183.73%	79.30%		

Figure S12C

Plot 4: E01: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	CV APC-A	Median APC-A
This Plot	8,000	2000	100.00%	59.04%	26,216.71	673.12%	

Figure S12C

Plot 3: E02: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	Mean PE-A	CV APC-A	CV PE-A	Median APC-A	Median PE-A
This Plot	8,000	2000	100.00%	56.09%	24,319.33	812.36	650.85%	311.54%		
Q1-UL	38	10	0.48%	0.27%	16,723.03	4,964.97	43.58%	19.64%		
Q1-UR	107	27	1.34%	0.75%	882,339.07	15,554.50	101.71%	99.87%		
Q1-LL	7,552	1888	94.40%	52.95%	7,429.04	568.81	77.50%	54.74%		
Q1-LR	303	76	3.79%	2.12%	143,250.13	1,155.92	215.17%	79.97%		

Figure S12C

Plot 4: E02: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	CV APC-A	Median APC-A
This Plot	8,000	2000	100.00%	56.09%	24,319.33	650.85%	

Plot 3: E03: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	Mean PE-A	CV APC-A	CV PE-A	Median APC-A	Median PE-A
This Plot	8,000	2667	100.00%	56.40%	20,602.45	766.56	631.17%	253.75%		
Q1-UL	28	9	0.35%	0.20%	15,718.96	6,589.75	49.03%	58.21%		
Q1-UR	95	32	1.19%	0.67%	740,722.91	14,292.66	110.84%	72.51%		
Q1-LL	7,596	2532	94.95%	53.55%	7,451.16	559.84	77.21%	55.37%		
Q1-LR	281	94	3.51%	1.98%	133,138.09	1,201.48	183.92%	72.66%		

Plot 4: E03: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	CV APC-A	Median APC-A
This Plot	8,000	2667	100.00%	56.40%	20,602.45	631.17%	

Plot 3: E04: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	Mean PE-A	CV APC-A	CV PE-A	Median APC-A	Median PE-A
This Plot	8,000	2000	100.00%	55.02%	25,108.88	817.50	632.19%	287.26%		
Q1-UL	35	9	0.44%	0.24%	16,418.83	5,988.20	51.05%	40.17%		
Q1-UR	104	26	1.30%	0.72%	1,032,166.30	16,318.40	85.10%	77.24%		
Q1-LL	7,570	1893	94.62%	52.07%	7,608.10	566.51	75.25%	54.82%		
Q1-LR	291	73	3.64%	2.00%	121,504.35	1,184.98	156.95%	74.09%		

Plot 4: E04: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	CV APC-A	Median APC-A
This Plot	8,000	2000	100.00%	55.02%	25,108.88	632.19%	

Plot 3: F01: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	Mean PE-A	CV APC-A	CV PE-A	Median APC-A	Median PE-A
This Plot	8,000	571	100.00%	46.67%	36,738.50	984.47	589.67%	316.58%		
Q1-UL	37	3	0.46%	0.22%	14,981.08	7,830.38	38.57%	69.39%		
Q1-UR	157	11	1.96%	0.92%	1,007,038.64	15,810.36	107.48%	98.76%		
Q1-LL	7,208	515	90.10%	42.05%	8,939.29	619.99	75.04%	53.91%		
Q1-LR	598	43	7.48%	3.49%	118,418.51	1,061.77	200.81%	69.64%		

Plot 4: F01: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	CV APC-A	Median APC-A
This Plot	8,000	571	100.00%	46.67%	36,738.50	589.67%	

Plot 3: F02: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	Mean PE-A	CV APC-A	CV PE-A	Median APC-A	Median PE-A
This Plot	8,000	2667	100.00%	52.79%	35,345.82	1,034.68	559.78%	321.51%		
Q1-UL	33	11	0.41%	0.22%	16,769.97	6,358.91	42.18%	58.92%		
Q1-UR	170	57	2.12%	1.12%	893,509.84	17,255.27	105.31%	88.91%		
Q1-LL	7,218	2406	90.22%	47.63%	9,046.61	625.59	73.84%	55.21%		
Q1-LR	579	193	7.24%	3.82%	112,293.72	1,068.59	198.31%	69.33%		

Plot 4: F02: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	CV APC-A	Median APC-A
This Plot	8,000	2667	100.00%	52.79%	35,345.82	559.78%	

Plot 3: F03: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	Mean PE-A	CV APC-A	CV PE-A	Median APC-A	Median PE-A
This Plot	8,000	2667	100.00%	53.12%	32,121.36	934.25	594.08%	247.54%		
Q1-UL	43	14	0.54%	0.29%	16,888.42	5,078.14	43.81%	22.19%		
Q1-UR	140	47	1.75%	0.93%	873,845.72	15,256.56	106.32%	59.08%		
Q1-LL	7,283	2428	91.04%	48.36%	8,789.95	623.82	74.16%	55.20%		
Q1-LR	534	178	6.68%	3.55%	130,878.32	1,079.54	259.93%	72.01%		

Plot 4: F03: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	CV APC-A	Median APC-A
This Plot	8,000	2667	100.00%	53.12%	32,121.36	594.08%	

Plot 3: F04: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	Mean PE-A	CV APC-A	CV PE-A	Median APC-A	Median PE-A
This Plot	8,000	2000	100.00%	49.80%	30,694.18	913.30	601.21%	254.74%		
Q1-UL	31	8	0.39%	0.19%	16,364.52	5,968.81	37.18%	55.45%		
Q1-UR	146	37	1.82%	0.91%	907,343.39	15,091.77	107.71%	57.38%		
Q1-LL	7,354	1839	91.92%	45.78%	8,564.18	602.88	74.08%	57.98%		
Q1-LR	469	117	5.86%	2.92%	105,742.04	1,032.78	164.79%	71.51%		

Plot 4: F04: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	CV APC-A	Median APC-A
This Plot	8,000	2000	100.00%	49.80%	30,694.18	601.21%	

Plot 3: G01: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	Mean PE-A	CV APC-A	CV PE-A	Median APC-A	Median PE-A
This Plot	8,000	348	100.00%	12.48%	104,267.18	1,786.24	366.32%	237.98%		
Q1-UL	141	6	1.76%	0.22%	15,510.78	5,416.90	42.64%	35.85%		
Q1-UR	619	27	7.74%	0.97%	1,036,385.67	14,158.76	83.16%	53.41%		
Q1-LL	6,503	283	81.29%	10.14%	8,123.83	572.18	74.71%	84.35%		
Q1-LR	737	32	9.21%	1.15%	186,700.73	1,412.41	200.27%	74.34%		

Plot 4: G01: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	CV APC-A	Median APC-A
This Plot	8,000	348	100.00%	12.48%	104,267.18	366.32%	

Plot 3: G02: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	Mean PE-A	CV APC-A	CV PE-A	Median APC-A	Median PE-A
This Plot	8,000	242	100.00%	8.99%	131,395.46	2,240.73	307.79%	215.25%		
Q1-UL	194	6	2.43%	0.22%	14,775.88	5,213.90	44.23%	34.56%		
Q1-UR	893	27	11.16%	1.00%	945,729.54	13,649.45	80.68%	53.34%		
Q1-LL	6,127	186	76.59%	6.89%	8,189.43	577.37	76.19%	96.06%		
Q1-LR	786	24	9.83%	0.88%	195,399.54	1,511.28	180.05%	72.32%		

Plot 4: G02: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	CV APC-A	Median APC-A
This Plot	8,000	242	100.00%	8.99%	131,395.46	307.79%	

Plot 3: G03: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	Mean PE-A	CV APC-A	CV PE-A	Median APC-A	Median PE-A
This Plot	8,000	286	100.00%	10.31%	113,707.77	2,029.01	340.65%	224.58%		
Q1-UL	195	7	2.44%	0.25%	15,775.52	5,488.13	42.69%	44.48%		
Q1-UR	765	27	9.56%	0.99%	959,137.13	13,680.25	85.25%	54.60%		
Q1-LL	6,320	226	79.00%	8.15%	7,943.14	572.15	77.72%	89.54%		
Q1-LR	720	26	9.00%	0.93%	170,340.83	1,500.66	178.97%	71.17%		

Plot 4: G03: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	CV APC-A	Median APC-A
This Plot	8,000	286	100.00%	10.31%	113,707.77	340.65%	

Plot 3: G04: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	Mean PE-A	CV APC-A	CV PE-A	Median APC-A	Median PE-A
This Plot	8,000	333	100.00%	11.92%	106,426.36	1,798.10	352.60%	230.44%		
Q1-UL	150	6	1.88%	0.22%	15,413.41	5,369.56	41.81%	33.85%		
Q1-UR	661	28	8.26%	0.98%	997,000.48	13,300.92	83.28%	54.99%		
Q1-LL	6,445	269	80.56%	9.60%	8,420.05	570.43	76.30%	84.06%		
Q1-LR	744	31	9.30%	1.11%	182,546.16	1,493.30	178.36%	71.55%		

Plot 4: G04: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	CV APC-A	Median APC-A
This Plot	8,000	333	100.00%	11.92%	106,426.36	352.60%	

Plot 3: H01: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	Mean PE-A	CV APC-A	CV PE-A	Median APC-A	Median PE-A
This Plot	8,000	2667	100.00%	50.74%	26,883.73	919.11	566.43%	224.53%		
Q1-UL	48	16	0.60%	0.30%	17,967.33	6,017.81	38.70%	46.03%		
Q1-UR	158	53	1.98%	1.00%	764,933.92	12,608.32	91.71%	59.33%		
Q1-LL	7,466	2489	93.32%	47.36%	7,887.95	629.04	75.68%	62.76%		
Q1-LR	328	109	4.10%	2.08%	105,050.02	1,144.91	214.92%	70.64%		

Plot 4: H01: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	CV APC-A	Median APC-A
This Plot	8,000	2667	100.00%	50.74%	26,883.73	566.43%	

Plot 3: H02: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	Mean PE-A	CV APC-A	CV PE-A	Median APC-A	Median PE-A
This Plot	8,000	2667	100.00%	49.64%	28,230.01	937.47	555.33%	268.04%		
Q1-UL	43	14	0.54%	0.27%	15,966.98	5,714.51	40.56%	62.41%		
Q1-UR	154	51	1.92%	0.96%	809,383.80	13,593.08	91.54%	88.24%		
Q1-LL	7,438	2479	92.98%	46.15%	8,133.35	635.58	73.16%	63.37%		
Q1-LR	365	122	4.56%	2.26%	109,623.33	1,186.96	168.21%	70.27%		

Plot 4: H02: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	CV APC-A	Median APC-A
This Plot	8,000	2667	100.00%	49.64%	28,230.01	555.33%	

Plot 3: H03: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	Mean PE-A	CV APC-A	CV PE-A	Median APC-A	Median PE-A
This Plot	8,000	4000	100.00%	50.43%	26,382.64	915.74	556.47%	235.09%		
Q1-UL	42	21	0.52%	0.26%	13,713.71	5,567.24	49.91%	31.62%		
Q1-UR	147	74	1.84%	0.93%	816,690.99	14,017.81	83.51%	55.26%		
Q1-LL	7,509	3755	93.86%	47.33%	7,910.57	624.89	75.26%	62.62%		
Q1-LR	302	151	3.78%	1.90%	102,752.05	1,123.08	154.77%	69.41%		

Plot 4: H03: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	CV APC-A	Median APC-A
This Plot	8,000	4000	100.00%	50.43%	26,382.64	556.47%	

Plot 3: H04: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	Mean PE-A	CV APC-A	CV PE-A	Median APC-A	Median PE-A
This Plot	8,000	2667	100.00%	50.57%	29,213.22	912.43	573.83%	218.94%		
Q1-UL	57	19	0.71%	0.36%	16,810.53	5,365.23	44.46%	38.89%		
Q1-UR	149	50	1.86%	0.94%	881,265.21	12,570.89	92.23%	59.13%		
Q1-LL	7,433	2478	92.91%	46.98%	8,205.41	630.25	73.20%	63.27%		
Q1-LR	361	120	4.51%	2.28%	112,044.87	1,207.68	163.79%	69.87%		

Plot 4: H04: Gated on (P1 in all)	Count	Events / μL	% of This Plot	% of All	Mean APC-A	CV APC-A	Median APC-A
This Plot	8,000	2667	100.00%	50.57%	29,213.22	573.83%	

Current Date: 26-11?-2021
Instrument Serial Number: 6735146202
Software Name: InCyte
Version Number: 3.1

Well	Sample ID	Date	R1.Percent Percent for R1 (%)	R2.Perce nt.UL Percent for R2 gated by P01.R1 (%)	R2.Perce nt.UR Percent for R2 gated by P01.R1 (%)	R2.Perce nt.LL Percent for R2 gated by P01.R1 (%)	R2.Perce nt.LR Percent for R2 gated by P01.R1 (%)	R3.Perce nt Percent for R3 gated by P01.R1 (%)
E02	shCtrl-1	11.26.2021	17.67690159	76.86	2.42	18.38	2.34	4.78
E03	shCtrl-2	11.26.2021	16.1922342	77.21	2.54	18.1	2.15	4.69
E04	shCtrl-3	11.26.2021	14.31331854	76.09	2.5	19.1	2.31	4.82
H01	shCDKL3-1	11.26.2021	24.03961729	77.63	6.12	12.58	3.67	9.82
H02	shCDKL3-2	11.26.2021	23.03563613	77.08	6.26	12.73	3.93	10.21
H03	shCDKL3-3	11.26.2021	18.2258917	76.92	6.97	11.65	4.46	11.47

Well Number: H01

Sample ID: H01

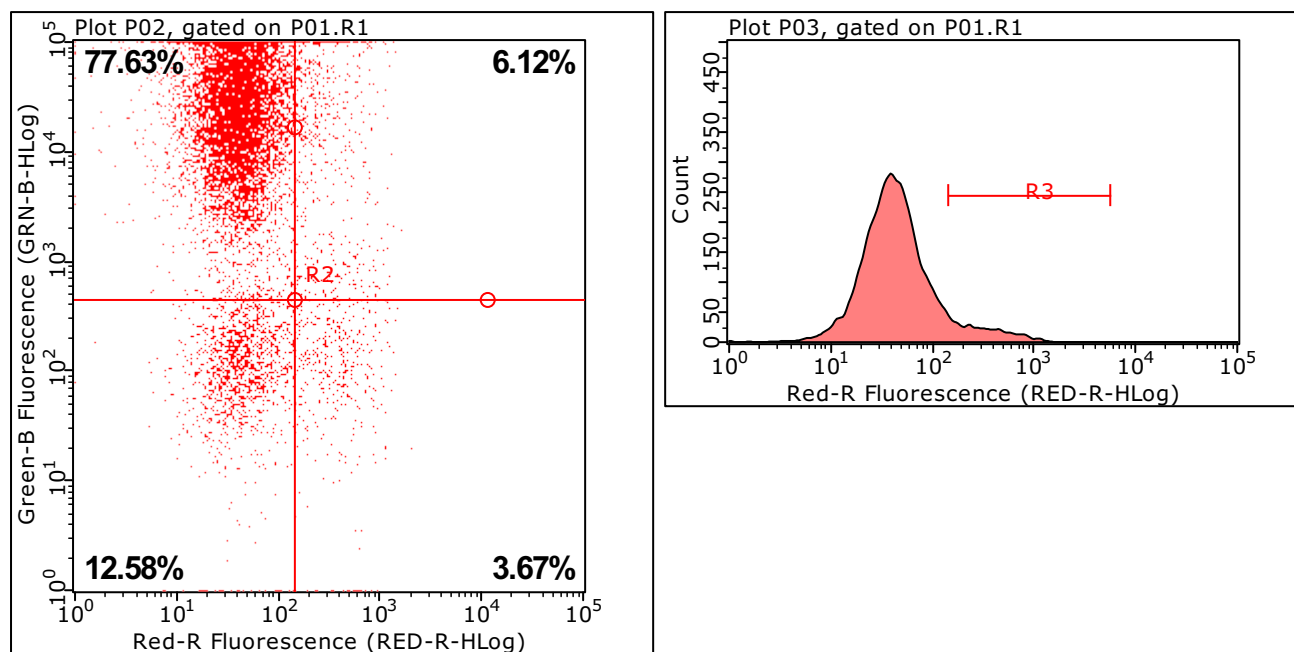


Figure 2C
DU 145 shCDKL3-1

Well	Sample ID	Date	R1.Percent Percent for R1 (%)	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
H01	H01	11.26.2021	24.04	77.63	6.12	12.58

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
H01	3.67	9.82

Well Number: H02

Sample ID: H02

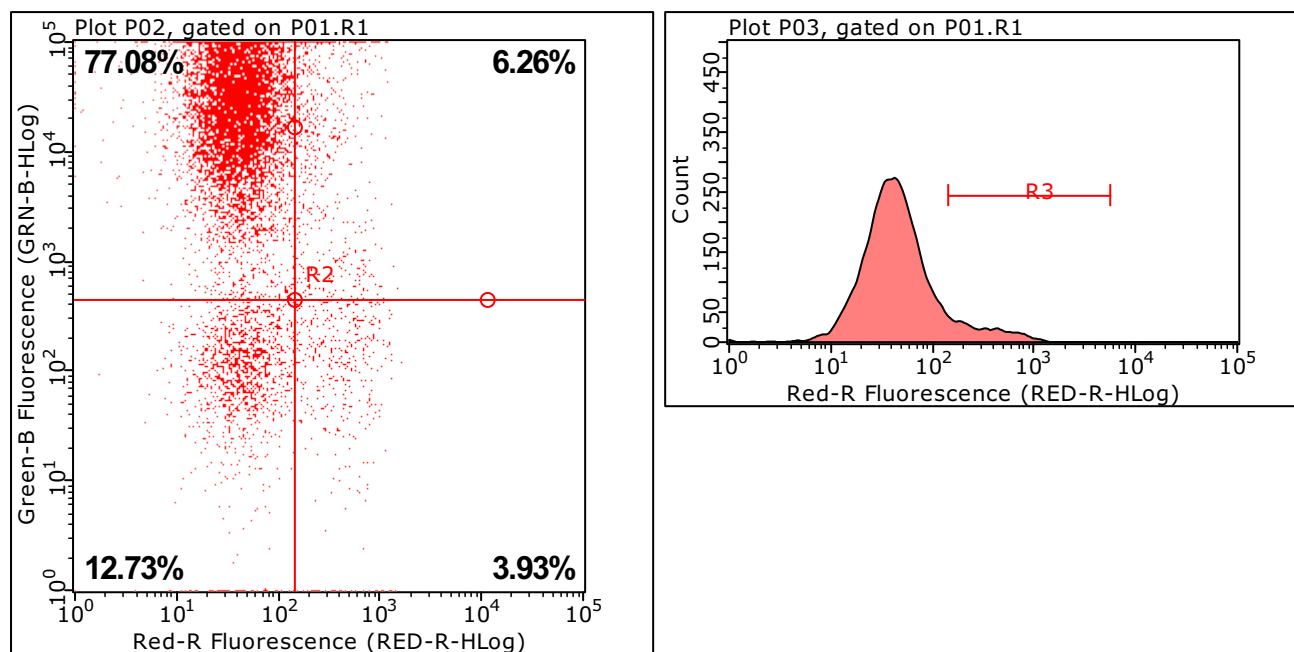


Figure 2C
DU 145 shCDKL3-2

Well	Sample ID	Date	R1.Percent Percent for R1 (%)	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
H02	H02	11.26.2021	23.04	77.08	6.26	12.73

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
H02	3.93	10.21

Well Number: H03

Sample ID: H03

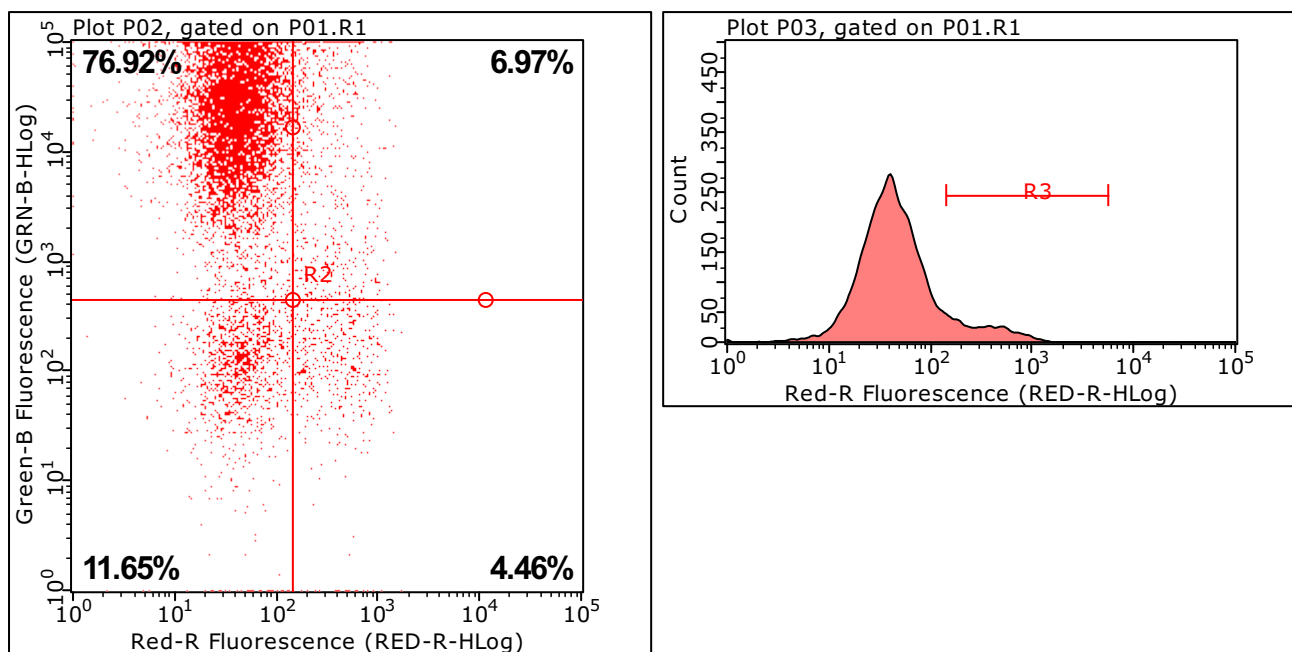


Figure 2C
DU 145 shCDKL3-3

Well	Sample ID	Date	R1.Percent Percent for R1 (%)	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
H03	H03	11.26.2021	18.23	76.92	6.97	11.65

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
H03	4.46	11.47

Well Number: E02

Sample ID: E02

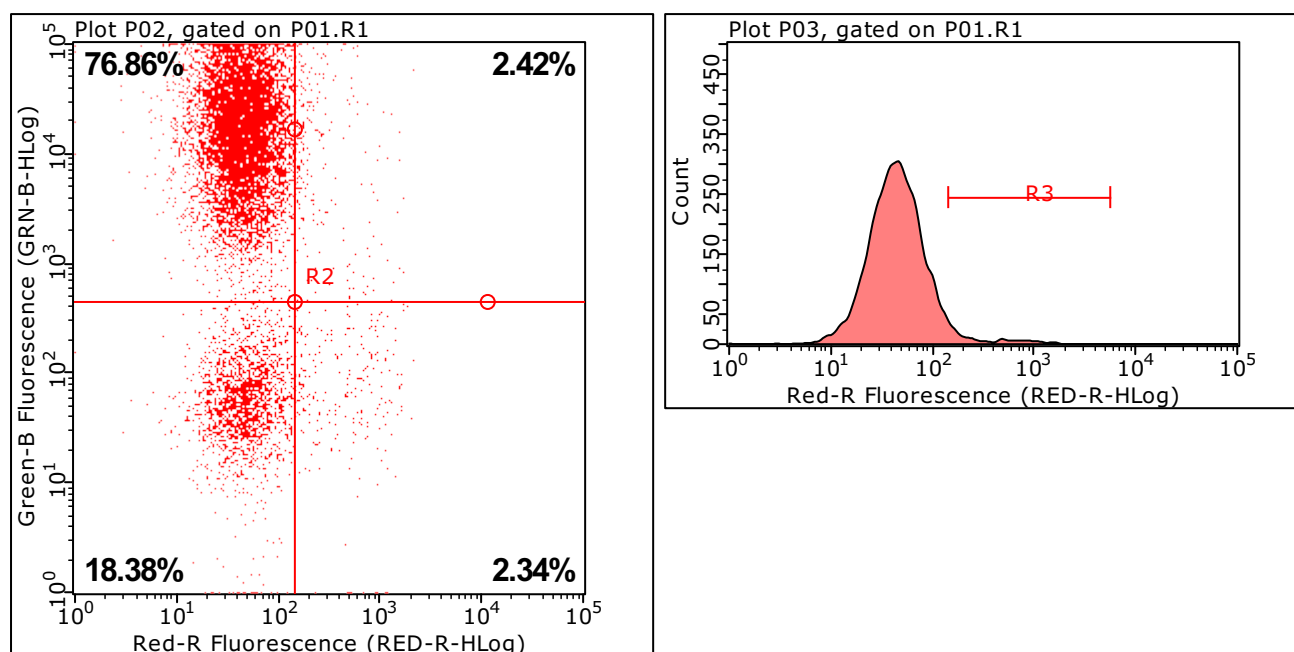


Figure 2C
DU 145 shCtrl-1

Well	Sample ID	Date	R1.Percent Percent for R1 (%)	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
E02	E02	11.26.2021	17.68	76.86	2.42	18.38

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
E02	2.34	4.78

Well Number: E03

Sample ID: E03

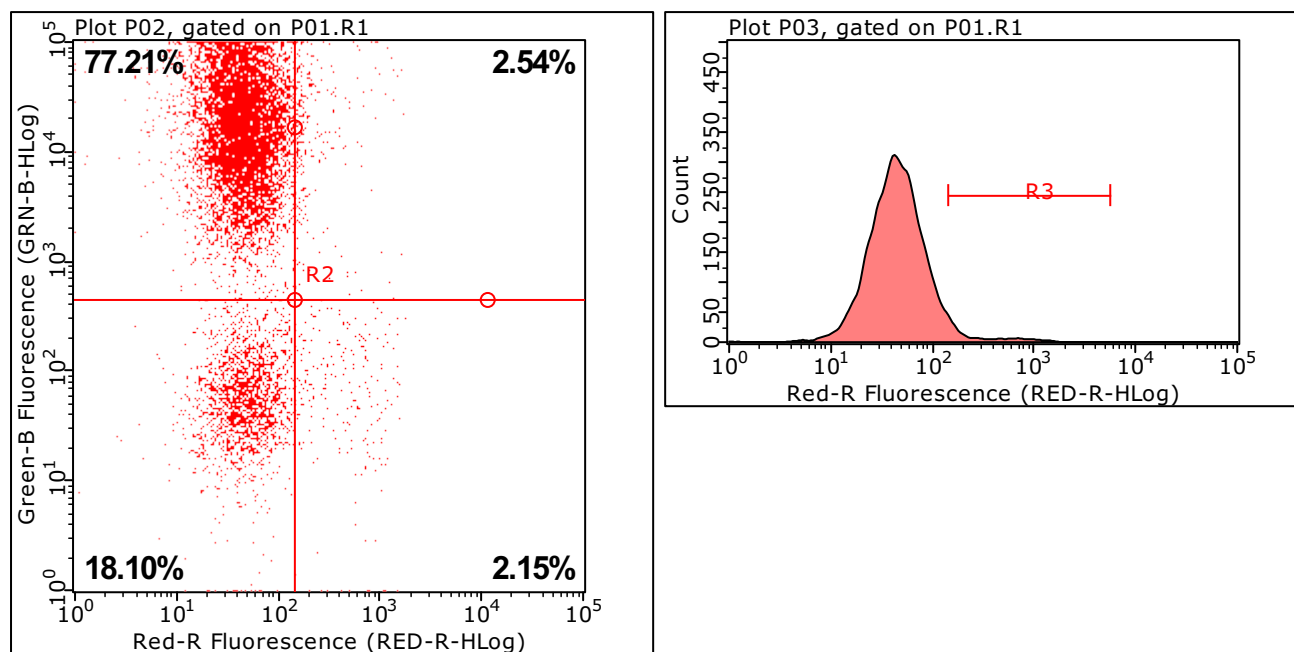


Figure 2C
DU 145 shCtrl-2

Well	Sample ID	Date	R1.Percent Percent for R1 (%)	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
E03	E03	11.26.2021	16.19	77.21	2.54	18.10

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
E03	2.15	4.69

Well Number: E04

Sample ID: E04

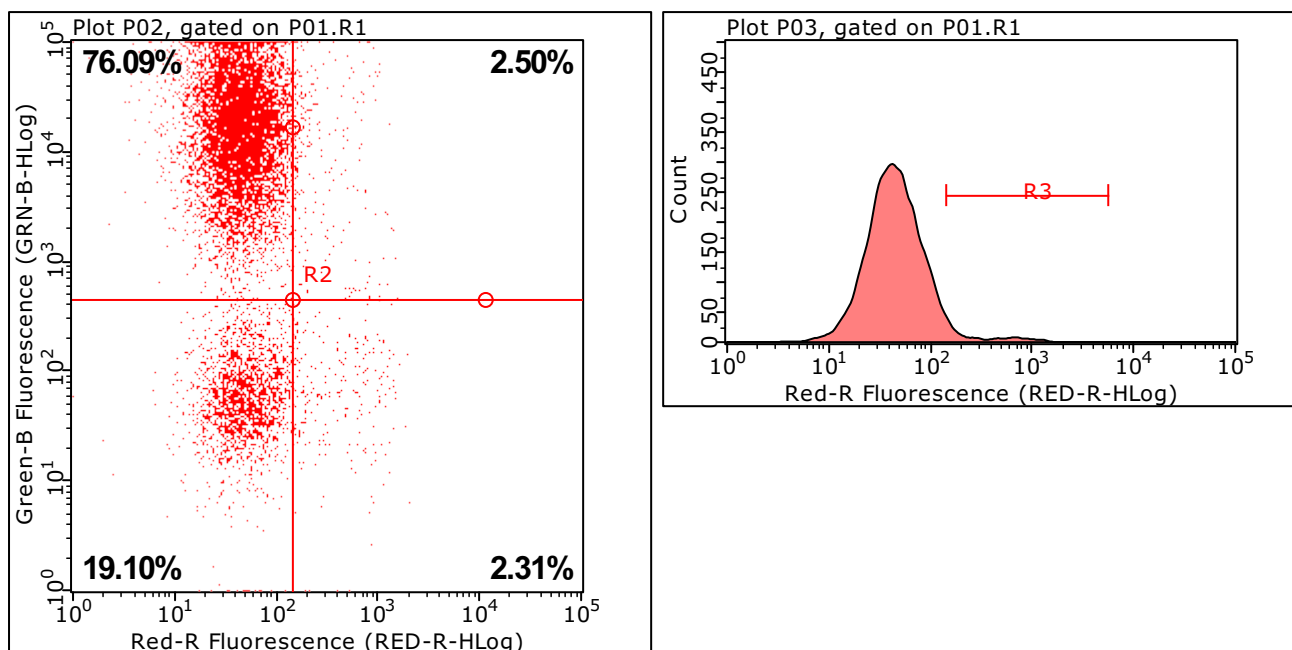


Figure 2C
DU 145 shCtrl-3

Well	Sample ID	Date	R1.Percent Percent for R1 (%)	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
E04	E04	11.26.2021	14.31	76.09	2.50	19.10

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
E04	2.31	4.82

Current Date: 26-11-2021
Instrument Serial Number: 6735146202
Software Name: InCyte
Version Number: 3.1

Well	Sample ID	Date	R1. Percent for R1 (%)	R2. Percent .UL Percent for R2 gated by P01. R1	R2. Percent. UR Percent for R2 gated by P01. R1 (%)	R2. Percent .LL Percent for R2 gated by P01. R1	R2. Percent. LR Percent for R2 gated by P01. R1 (%)	R3. Percent Percent for R3 gated by P01. R1 (%)
C01	shCtrl-1	11.26.2021	47.381342	72.3565534	2.542698139	22.7691422	2.331606218	4.87430436
C02	shCtrl-2	11.26.2021	36.110918	72.6135489	2.723248653	22.3056197	2.357582756	5.08083141
C03	shCtrl-3	11.26.2021	41.882986	72.6950014	2.782308357	22.3544085	2.168281685	4.95059004
D01	shCDKL3-1	11.26.2021	49.903865	87.0834136	7.358890387	4.80639569	0.751300327	8.11019072
D03	shCDKL3-2	11.26.2021	42.162425	85.928489	8.756247597	4.21953095	1.095732411	9.85198001
D04	shCDKL3-3	11.26.2021	40.956964	85.90966	8.860637581	4.19917172	1.030530675	9.89116826

Well Number: D01

Sample ID: D01

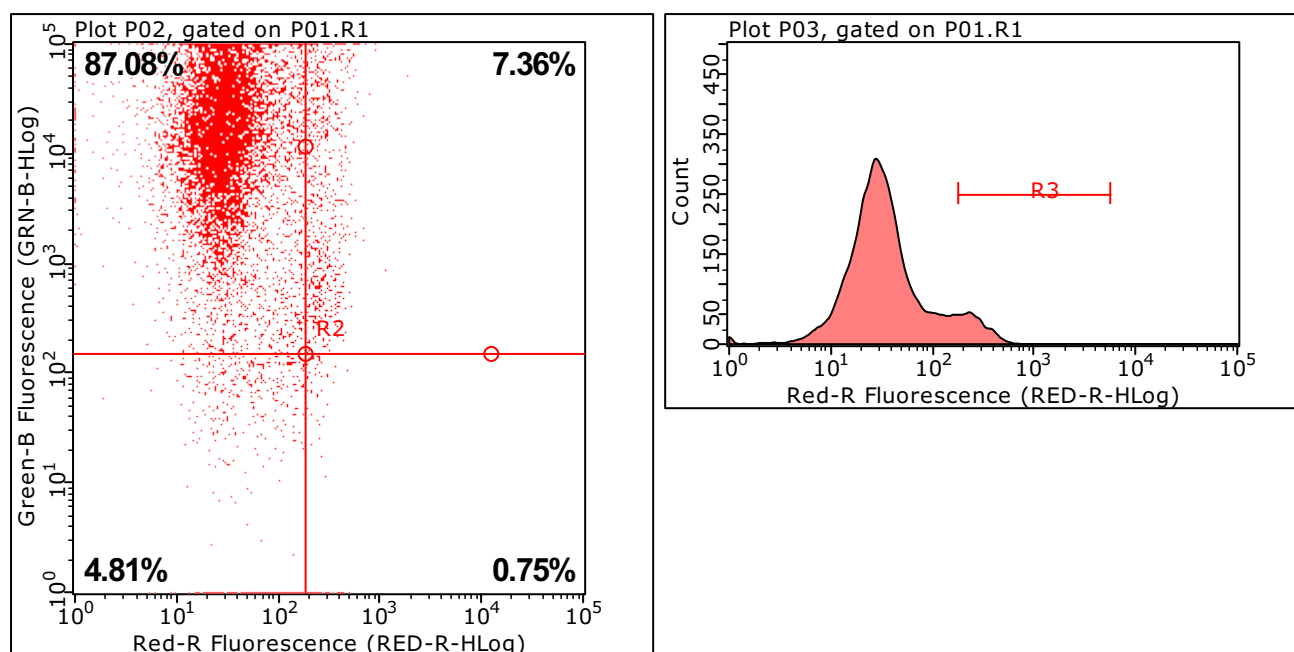


Figure 2C
PC-3 shCDKL3-1

Well	Sample ID	Date	R1.Percent Percent for R1 (%)	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
D01	D01	11.26.2021	49.90	87.08	7.36	4.81

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
D01	0.75	8.11

Well Number: D03

Sample ID: D03

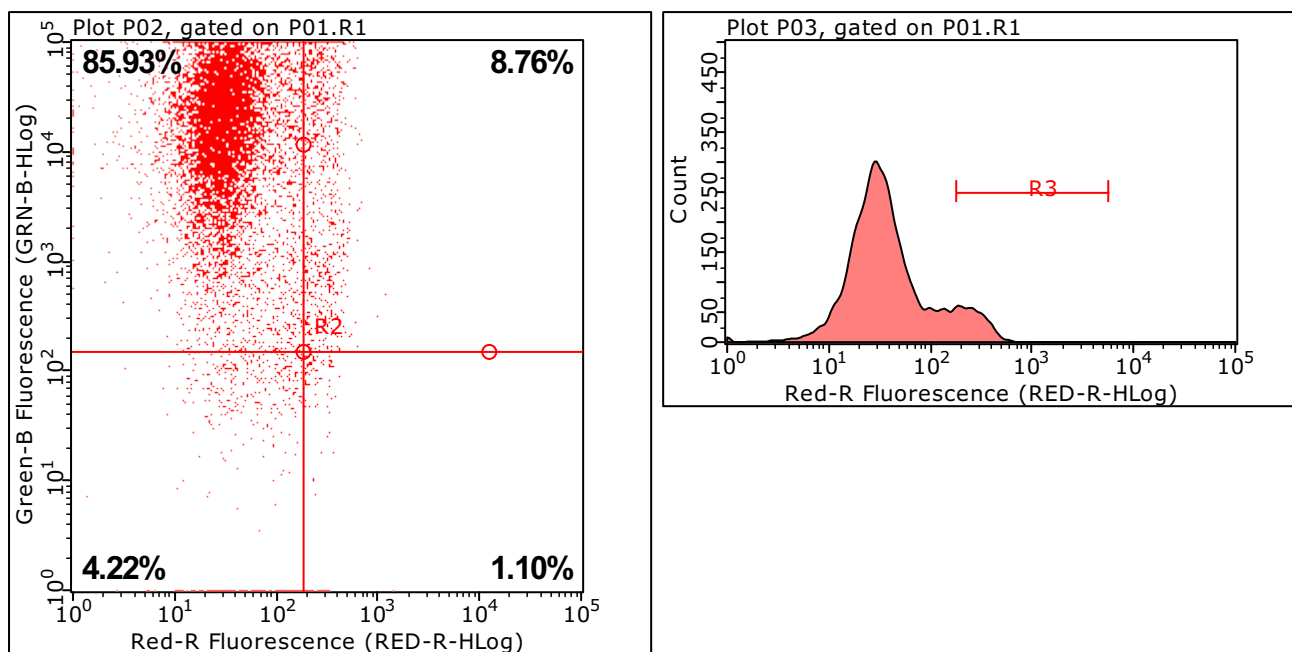


Figure 2C
PC-3 shCDKL3-2

Well	Sample ID	Date	R1.Percent Percent for R1 (%)	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
D03	D03	11.26.2021	42.16	85.93	8.76	4.22

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
D03	1.10	9.85

Well Number: D04

Sample ID: D04

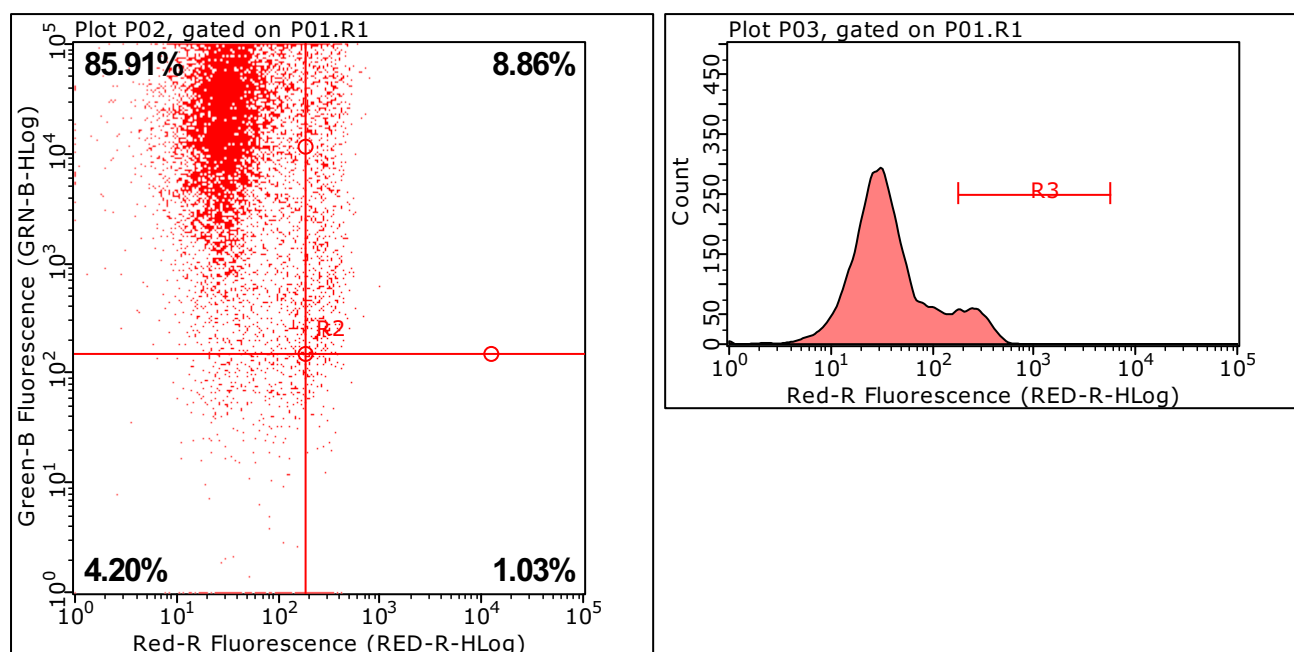


Figure 2C
PC-3 shCDKL3-3

Well	Sample ID	Date	R1.Percent Percent for R1 (%)	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
D04	D04	11.26.2021	40.96	85.91	8.86	4.20

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
D04	1.03	9.89

Well Number: C01

Sample ID: C01

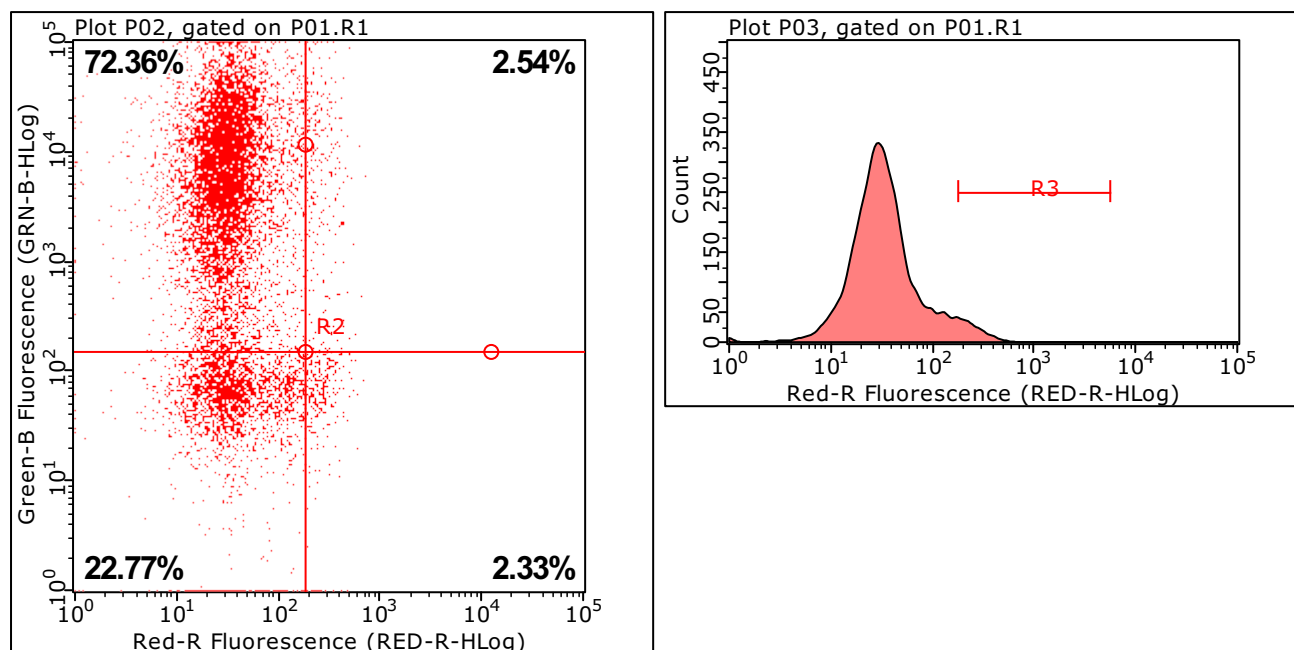


Figure 2C
PC-3 shCtrl-1

Well	Sample ID	Date	R1.Percent Percent for R1 (%)	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
C01	C01	11.26.2021	47.38	72.36	2.54	22.77

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
C01	2.33	4.87

Well Number: C02

Sample ID: C02

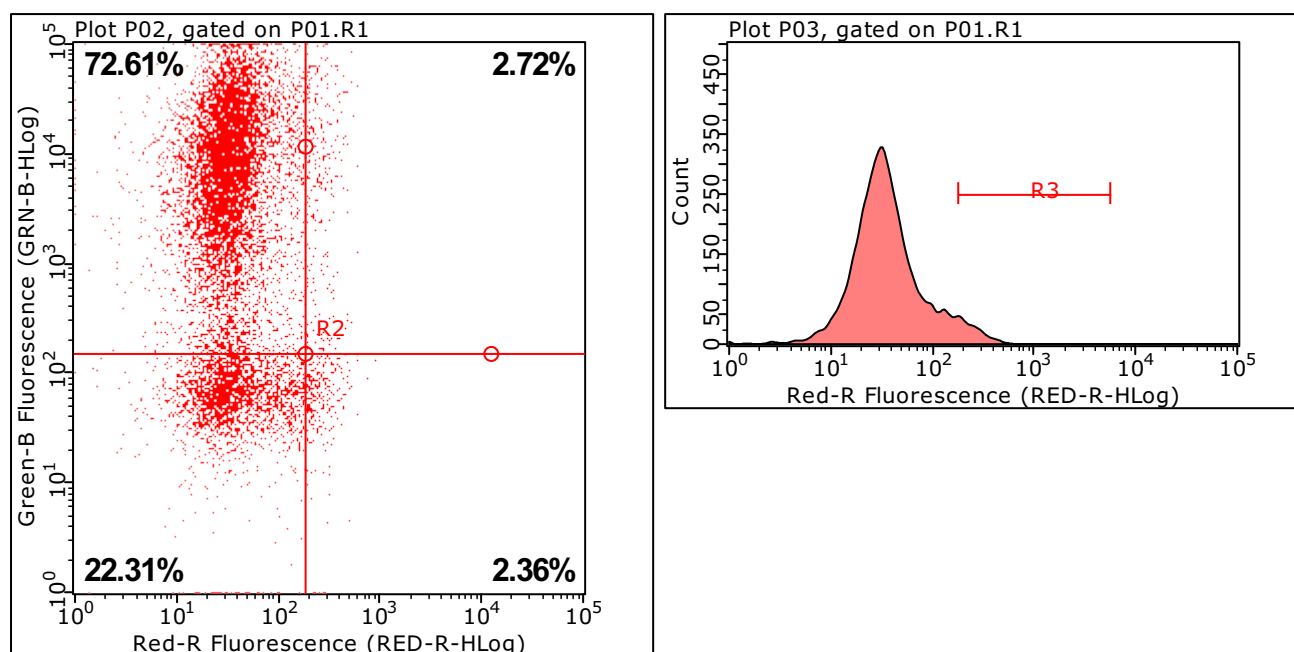


Figure 2C
PC-3 shCtrl-2

Well	Sample ID	Date	R1.Percent Percent for R1 (%)	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
C02	C02	11.26.2021	36.11	72.61	2.72	22.31

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
C02	2.36	5.08

Well Number: C03

Sample ID: C03

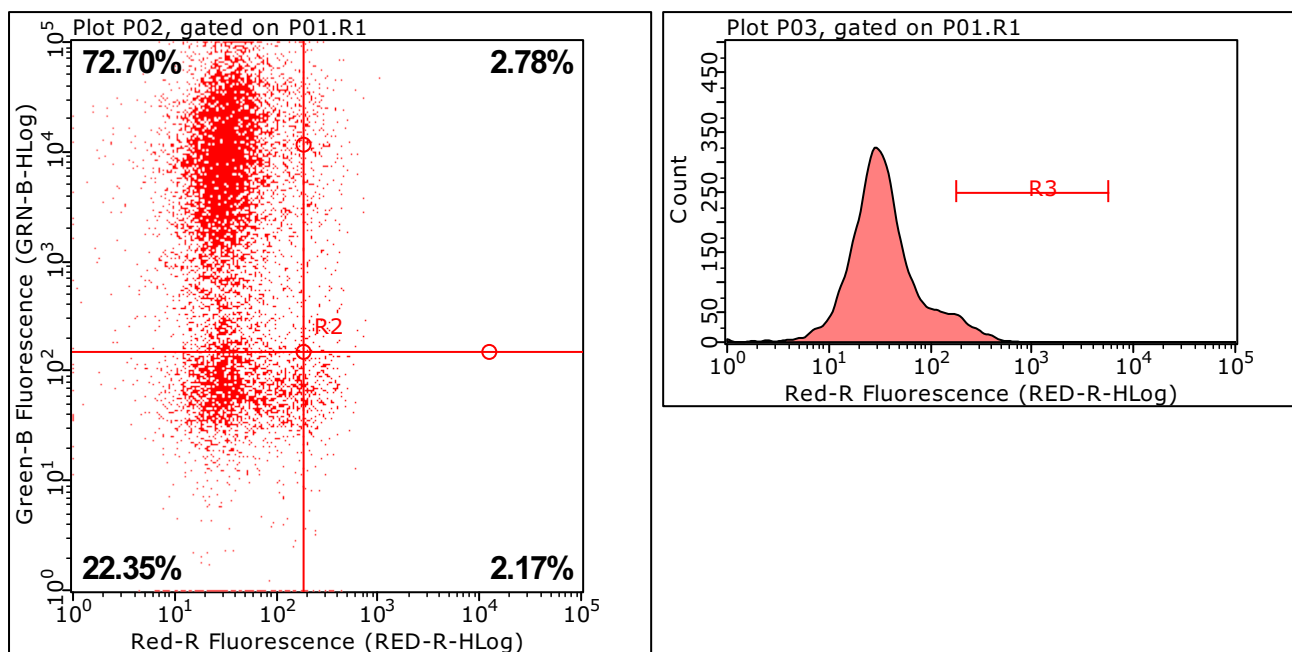


Figure 2C
PC-3 shCtrl-3

Well	Sample ID	Date	R1.Percent Percent for R1 (%)	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
C03	C03	11.26.2021	41.88	72.70	2.78	22.35

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
C03	2.17	4.95

Figure 4F and S7C

DU 145

Current Date: 05-2?-2022
Instrument Serial Number: 6735146202
Software Name: InCyte
Version Number: 3.1

Well	Sample ID	Date	R2. Percent. UL Percent for R2 gated by P01. R1 (%)	R2. Percent .UR Percent for R2 gated by P01. R1 (%)	R2. Percent .LL Percent for R2 gated by P01. R1 (%)	R2. Percent. LR Percent for R2 gated by P01. R1 (%)	R3. Percent Percent for R3 gated by P01. R1 (%)
A02	shCtrl-1	02. 05. 2022	75. 94833723	3. 71199024	19. 5464253	0. 793247229	4. 53574697
A03	shCtrl-2	02. 05. 2022	76. 43947101	3. 13326551	19. 8168871	0. 610376399	3. 75381485
A04	shCtrl-3	02. 05. 2022	77. 25837662	3. 14695998	18. 9326815	0. 661981872	3. 80894185
E01	shCDKL3-1	02. 05. 2022	74. 84787018	6. 72413793	17. 0182556	1. 409736308	8. 13387424
E02	shCDKL3-2	02. 05. 2022	75. 85221474	5. 96040008	17. 1361502	1. 051234946	7. 05245969
E03	shCDKL3-3	02. 05. 2022	75. 36099248	6. 32499492	17. 2056132	1. 108399431	7. 45373195
C02	shCDKL3+ERK激活剂-	02. 05. 2022	78. 13773431	4. 88997555	16. 2693562	0. 702933985	5. 61328443
C03	shCDKL3+ERK激活剂-	02. 05. 2022	77. 9248549	4. 68384075	16. 5767234	0. 814581	5. 51878627
C04	shCDKL3+ERK激活剂-	02. 05. 2022	77. 13733862	4. 75754803	17. 200366	0. 904747382	5. 70295822

Well Number: C02

Sample ID: C02

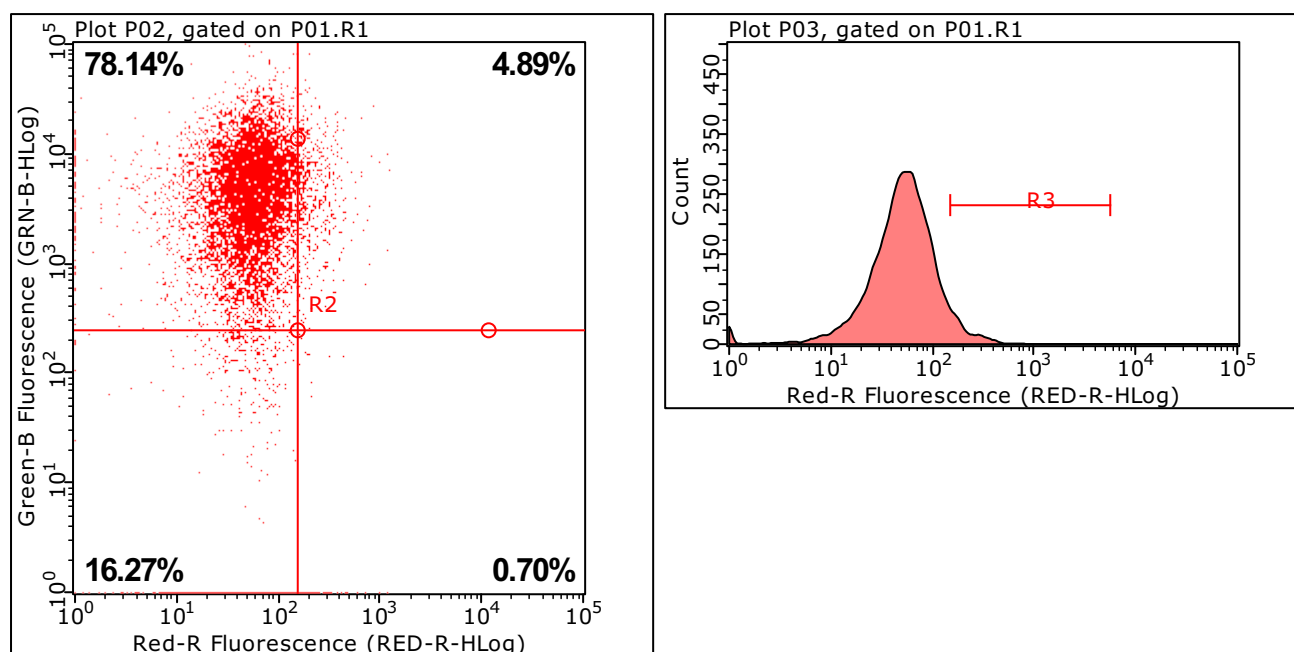


Figure 4F and S7C

DU 145
shCDKL3+ERK activator-1

Well	Sample ID	Date	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
C02	C02	02.05.2022	78.14	4.89	16.27

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
C02	0.70	5.61

Well Number: C03

Sample ID: C03

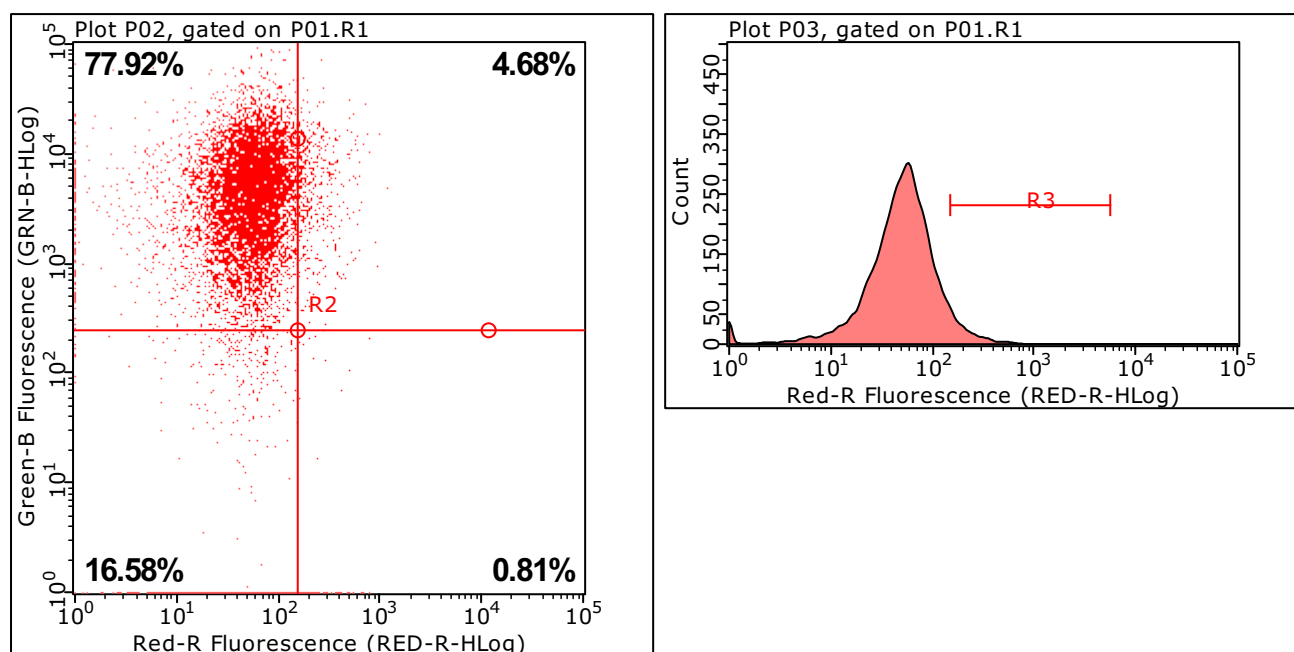


Figure 4F and S7C

DU 145
shCDKL3+ERK activator-2

Well	Sample ID	Date	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
C03	C03	02.05.2022	77.92	4.68	16.58

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
C03	0.81	5.52

Well Number: C04

Sample ID: C04

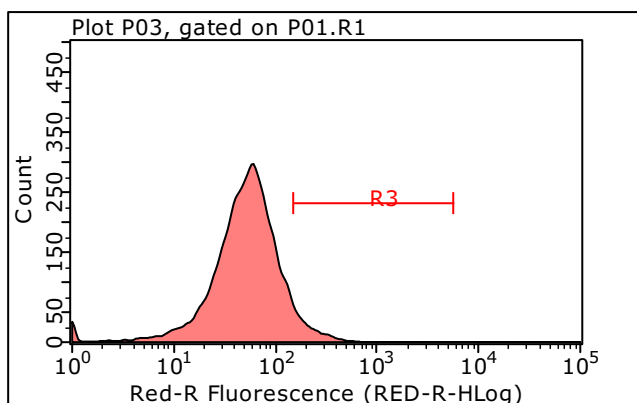
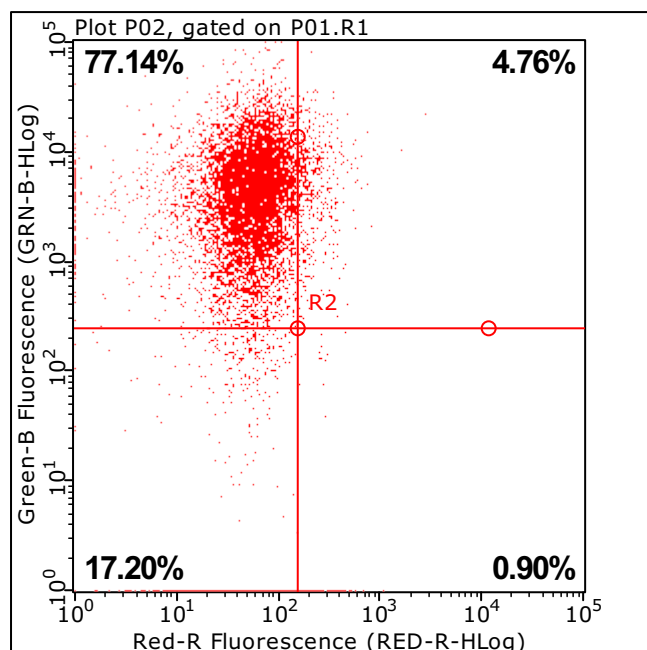


Figure 4F and S7C

DU 145
shCDKL3+ERK activator-3

Well	Sample ID	Date	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
C04	C04	02.05.2022	77.14	4.76	17.20

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
C04	0.90	5.70

Well Number: E01

Sample ID: E01

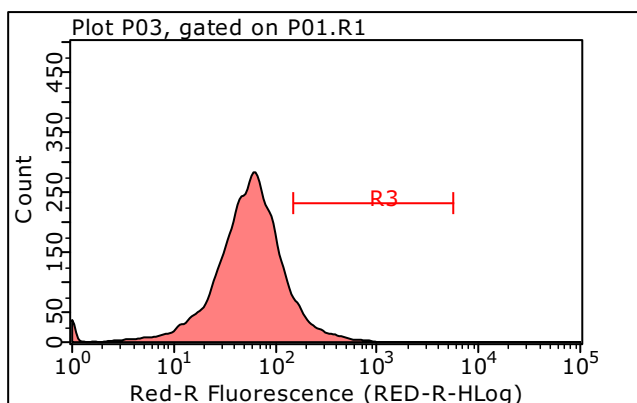
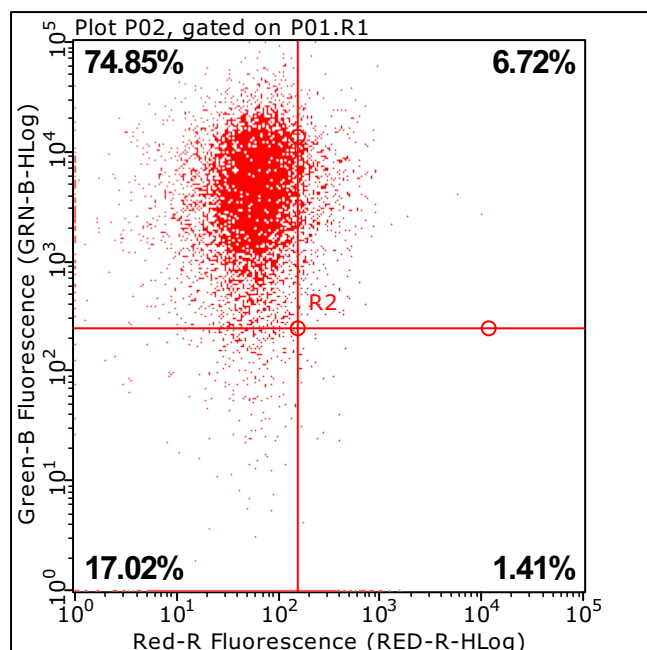


Figure 4F and S7C

DU 145
shCDKL3-1

Well	Sample ID	Date	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
E01	E01	02.05.2022	74.85	6.72	17.02

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
E01	1.41	8.13

Well Number: E02

Sample ID: E02

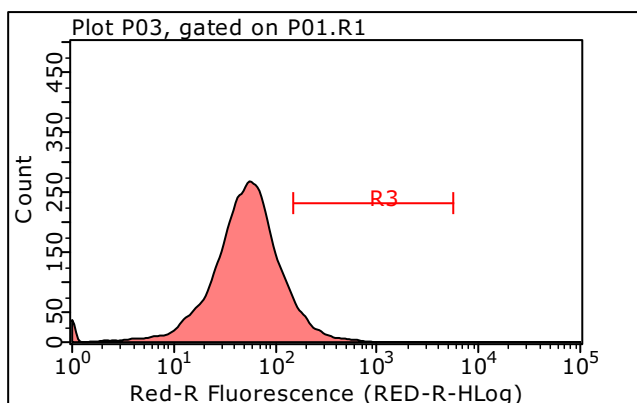
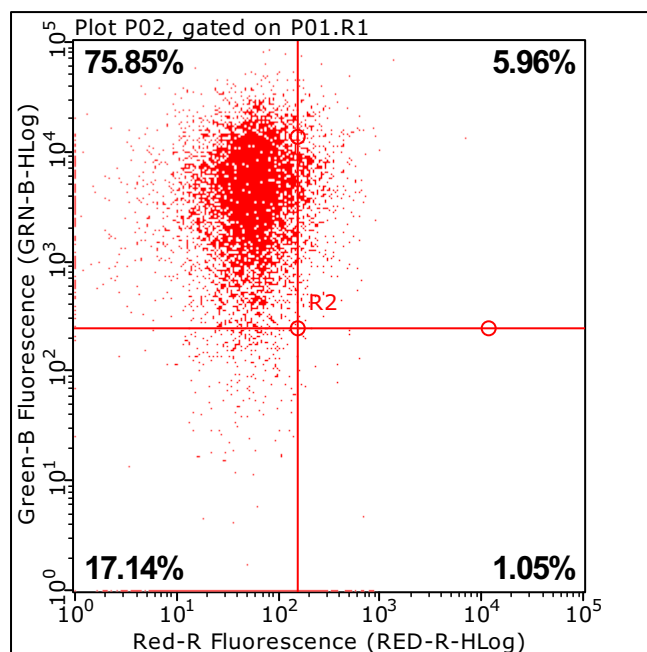


Figure 4F and S7C

DU 145
shCDKL3-2

Well	Sample ID	Date	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
E02	E02	02.05.2022	75.85	5.96	17.14

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
E02	1.05	7.05

Well Number: E03

Sample ID: E03

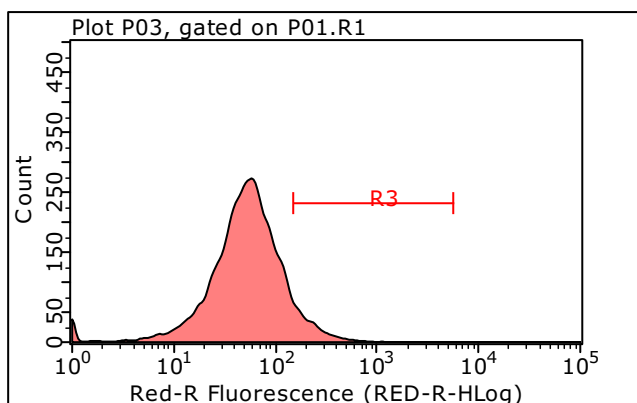
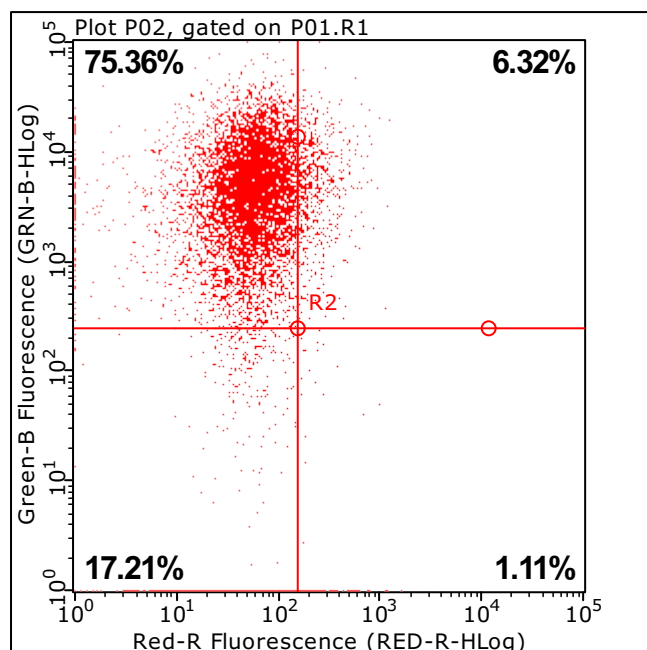


Figure 4F and S7C

DU 145
shCDKL3-3

Well	Sample ID	Date	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
E03	E03	02.05.2022	75.36	6.32	17.21

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
E03	1.11	7.45

Well Number: A02

Sample ID: A02

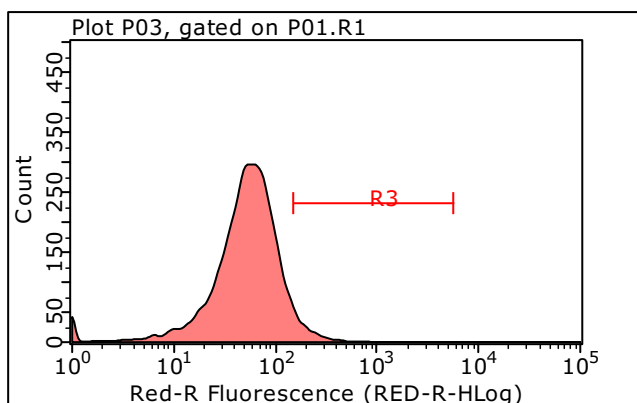
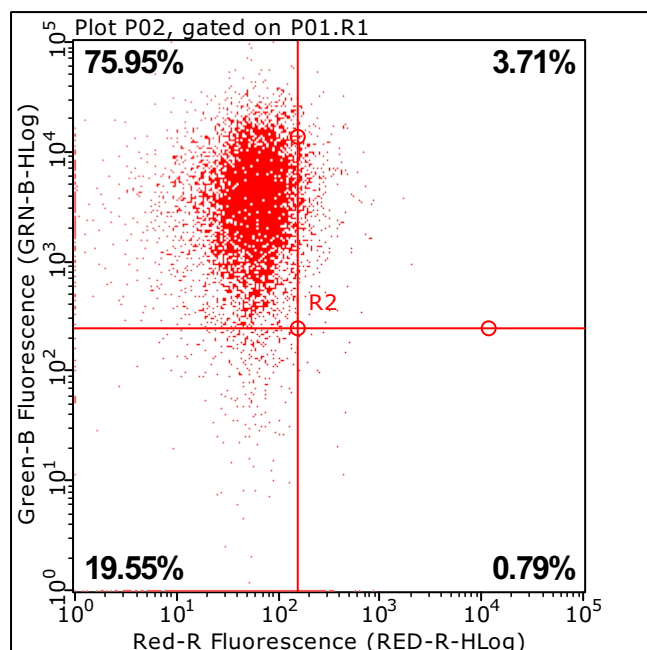


Figure 4F and S7C

DU 145
shCtrl-1

Well	Sample ID	Date	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
A02	A02	02.05.2022	75.95	3.71	19.55

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
A02	0.79	4.54

Well Number: A03

Sample ID: A03

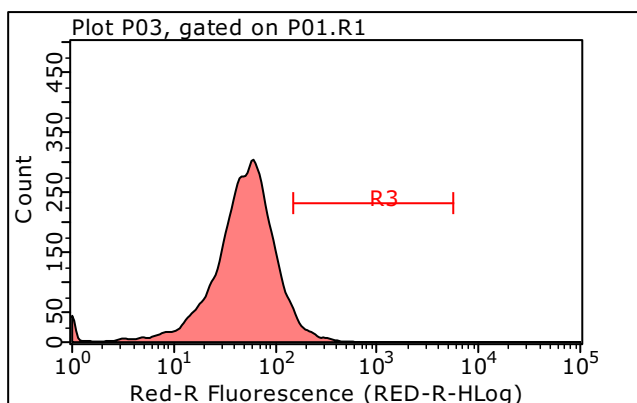
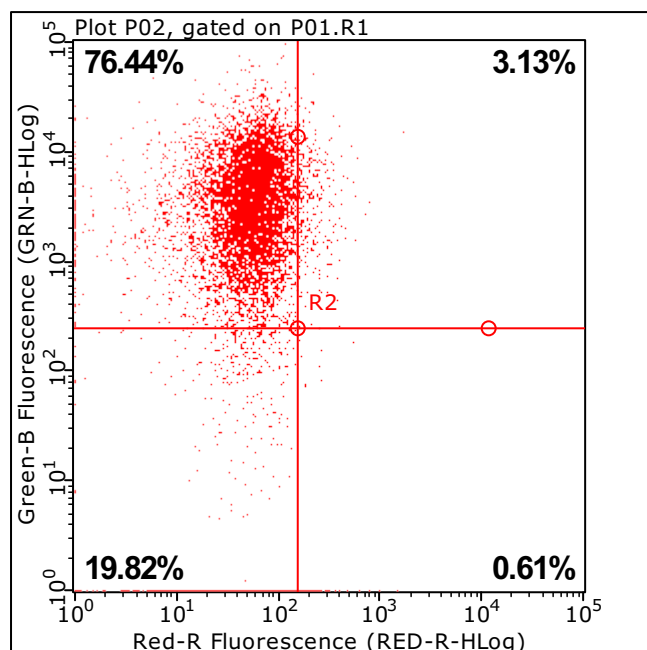


Figure 4F and S7C

DU 145
shCtrl-2

Well	Sample ID	Date	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
A03	A03	02.05.2022	76.44	3.13	19.82

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
A03	0.61	3.75

Well Number: A04

Sample ID: A04

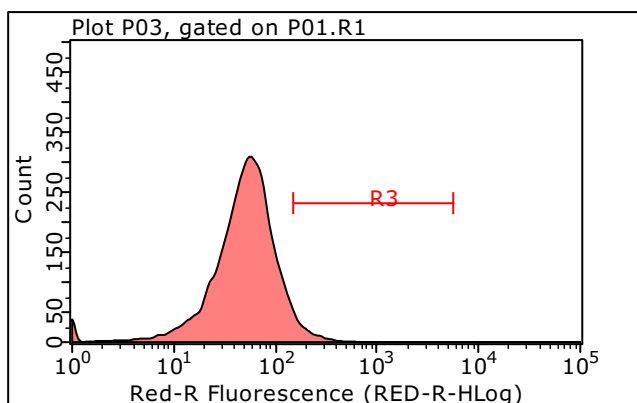
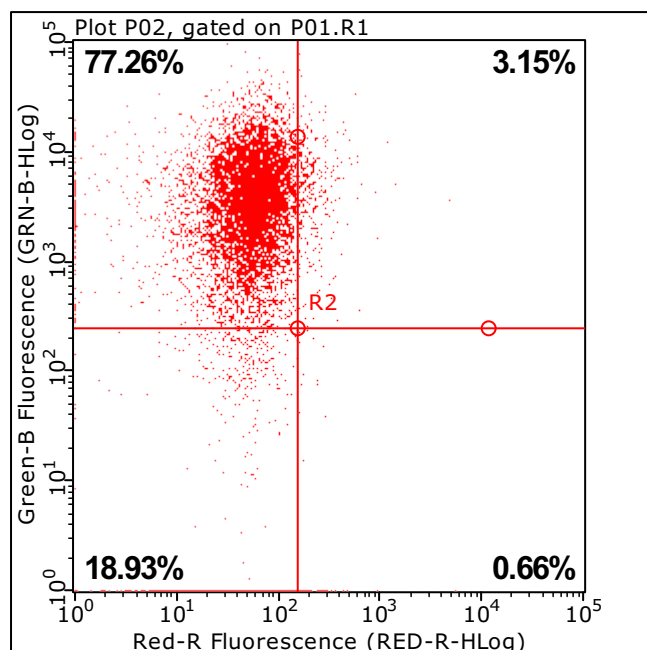


Figure 4F and S7C

DU 145
shCtrl-3

Well	Sample ID	Date	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
A04	A04	02.05.2022	77.26	3.15	18.93

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
A04	0.66	3.81

Figure 4F and S7C

PC-3

Current Date: 07-2?-2022
Instrument Serial Number: 6735146202
Software Name: InCyte
Version Number: 3.1

Well	Sample ID	Date	R2. Percent					R3. Percent Percent for R3 gated by P01. R1 (%)
			. UL Percent for R2 gated by P01. R1 (%)	R2. Percent. UR Percent for R2 gated by P01. R1 (%)	R2. Percent. LL Percent for R2 gated by P01. R1 (%)	R2. Percent. LR Percent for R2 gated by P01. R1 (%)		
A02	shCtrl-1	02. 07. 2022	83. 2052903	2. 528445006	13. 58552951	0. 680735194	3. 218904989	
A03	shCtrl-2	02. 07. 2022	82. 7025975	2. 471057496	14. 12588773	0. 700457243	3. 200700457	
A04	shCtrl-3	02. 07. 2022	83. 369036	2. 346640701	13. 71957157	0. 564751704	2. 9406037	
B01	shCDKL3-1	02. 07. 2022	75. 3105006	4. 939781709	17. 01166729	2. 738050433	7. 724877682	
B02	shCDKL3-2	02. 07. 2022	76. 6399245	4. 398301085	16. 81925437	2. 142520057	6. 569136385	
B03	shCDKL3-3	02. 07. 2022	76. 6300227	4. 852160728	16. 641395	1. 876421531	6. 747536012	
C01	shCDKL3 +ERK激活剂-1	02. 07. 2022	72. 6096998	3. 020785219	21. 35796767	3. 011547344	6. 050808314	
C02	shCDKL3 +ERK激活剂-2	02. 07. 2022	72. 4713917	2. 943890735	21. 62236988	2. 96234773	5. 933923957	
C03	shCDKL3 +ERK激活剂-3	02. 07. 2022	71. 7299189	2. 864775239	22. 54053058	2. 864775239	5. 757184967	

Well Number: C01

Sample ID: C01

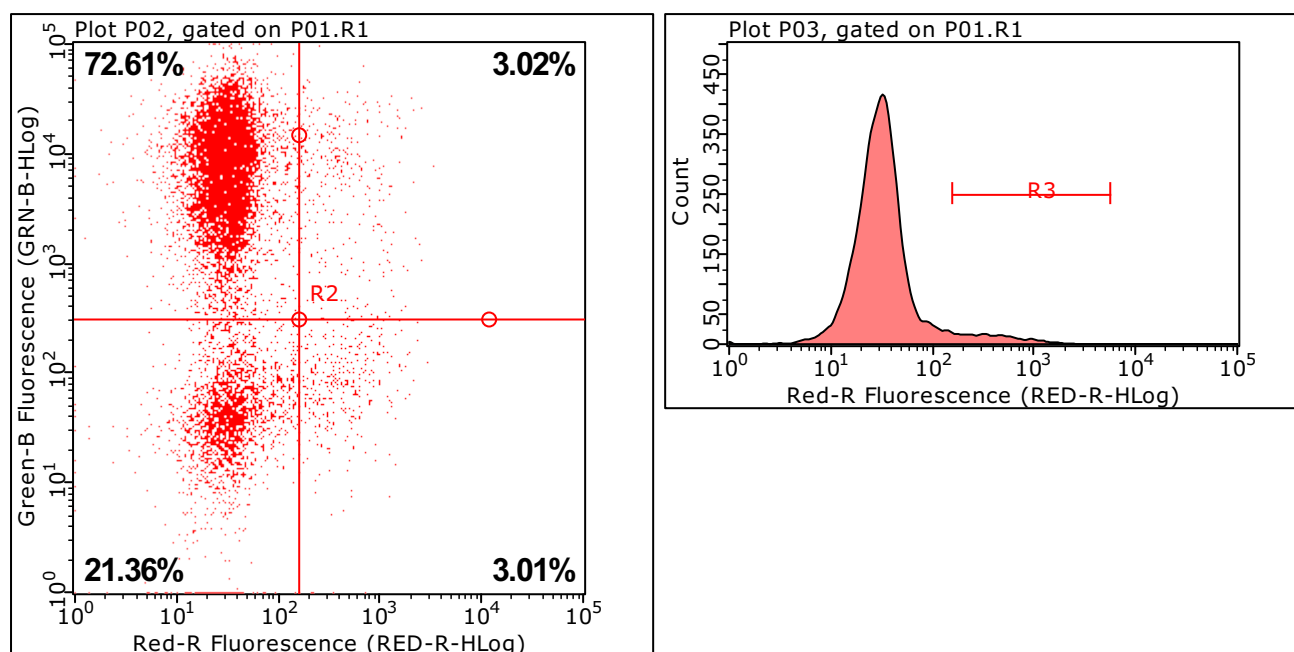


Figure 4F and S7C
PC-3
shCDKL3+ERK activator-1

Well	Sample ID	Date	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
C01	C01	02.07.2022	72.61	3.02	21.36

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
C01	3.01	6.05

Well Number: C02

Sample ID: C02

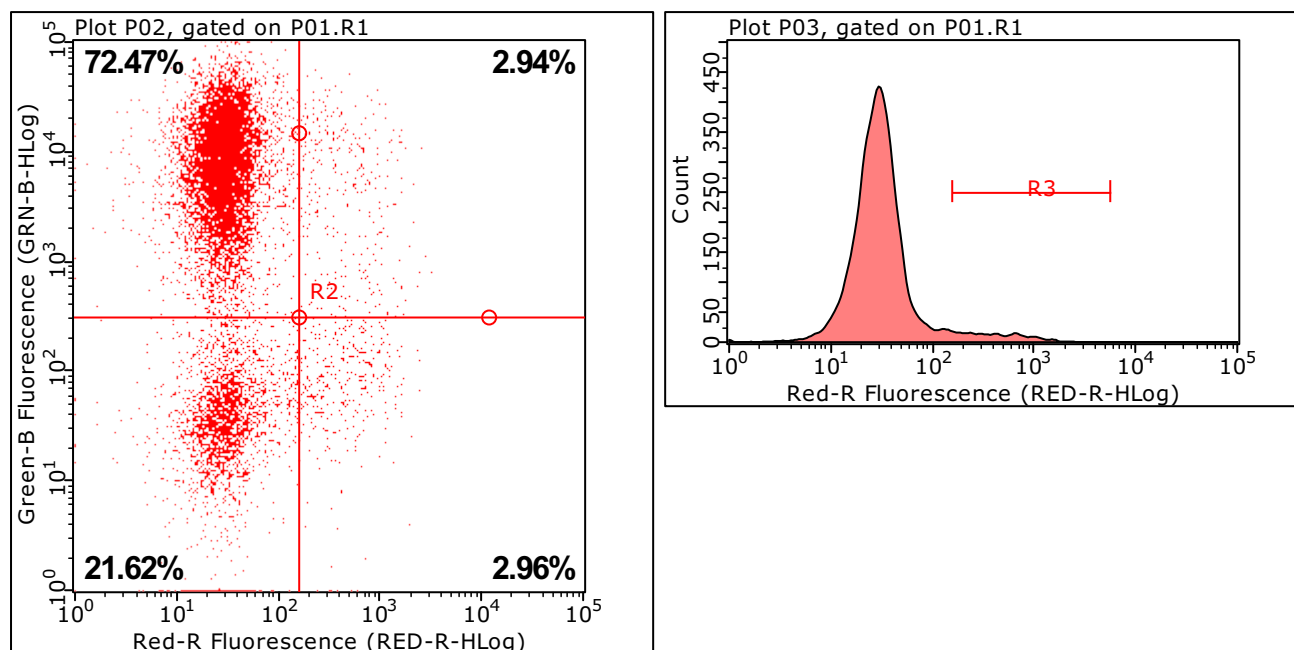


Figure 4F and S7C
PC-3
shCDKL3+ERK activator-2

Well	Sample ID	Date	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
C02	C02	02.07.2022	72.47	2.94	21.62

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
C02	2.96	5.93

Well Number: C03

Sample ID: C03

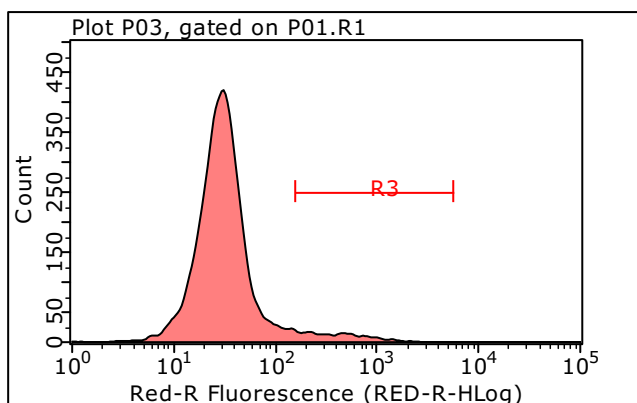
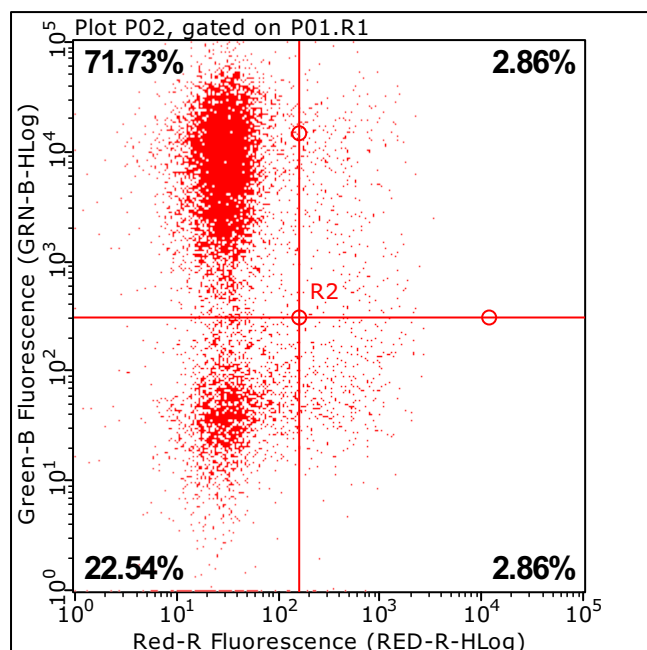


Figure 4F and S7C
PC-3
shCDKL3+ERK activator-3

Well	Sample ID	Date	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
C03	C03	02.07.2022	71.73	2.86	22.54

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
C03	2.86	5.76

Well Number: B01

Sample ID: B01

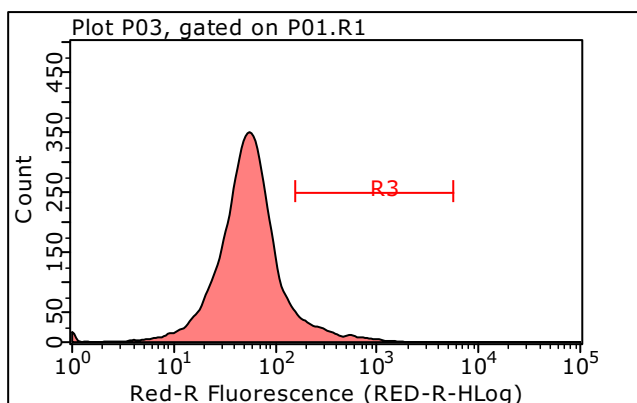
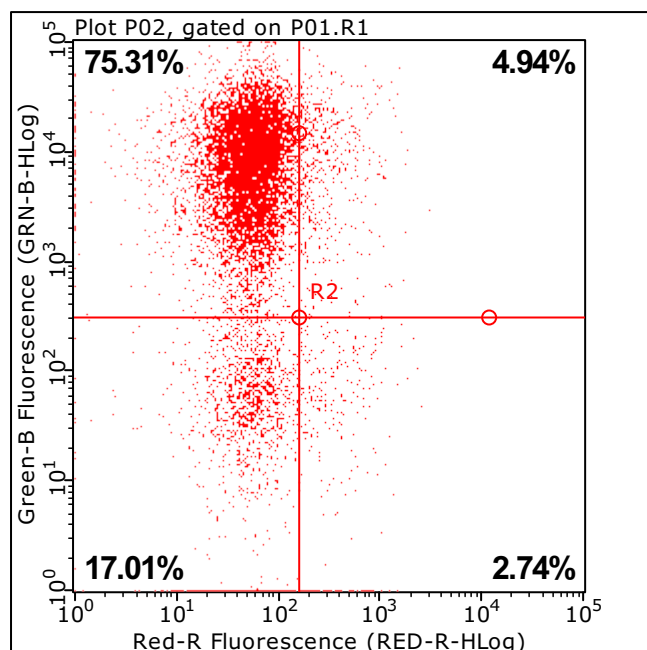


Figure 4F and S7C
PC-3
shCDKL3-1

Well	Sample ID	Date	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
B01	B01	02.07.2022	75.31	4.94	17.01

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
B01	2.74	7.72

Well Number: B02

Sample ID: B02

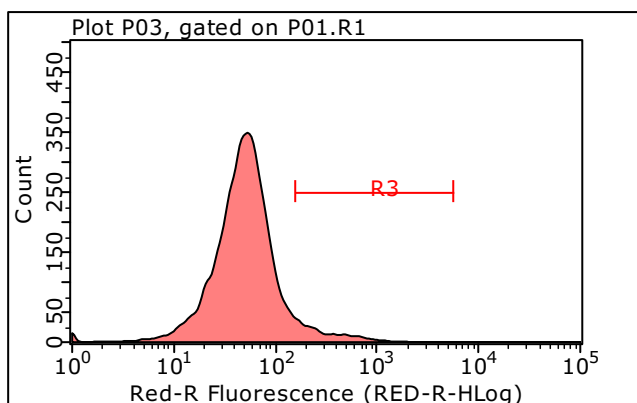
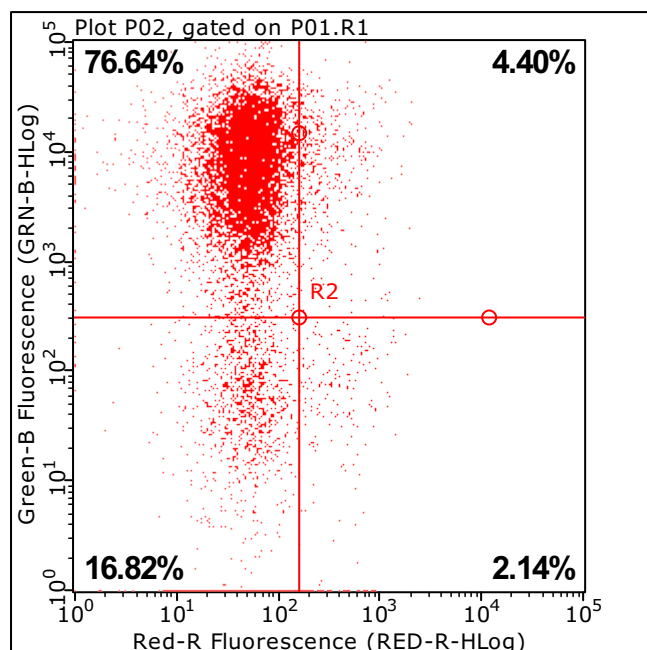


Figure 4F and S7C
PC-3
shCDKL3-2

Well	Sample ID	Date	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
B02	B02	02.07.2022	76.64	4.40	16.82

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
B02	2.14	6.57

Well Number: B03

Sample ID: B03

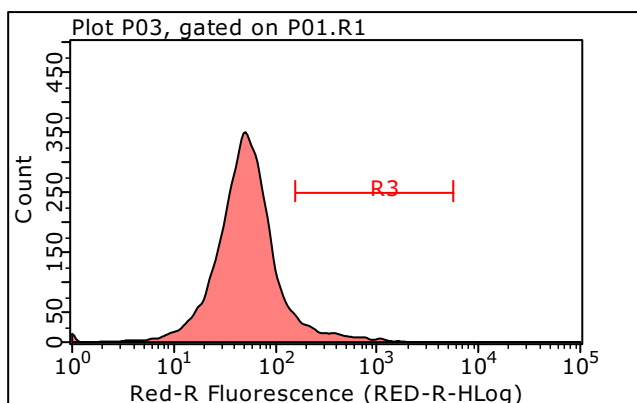
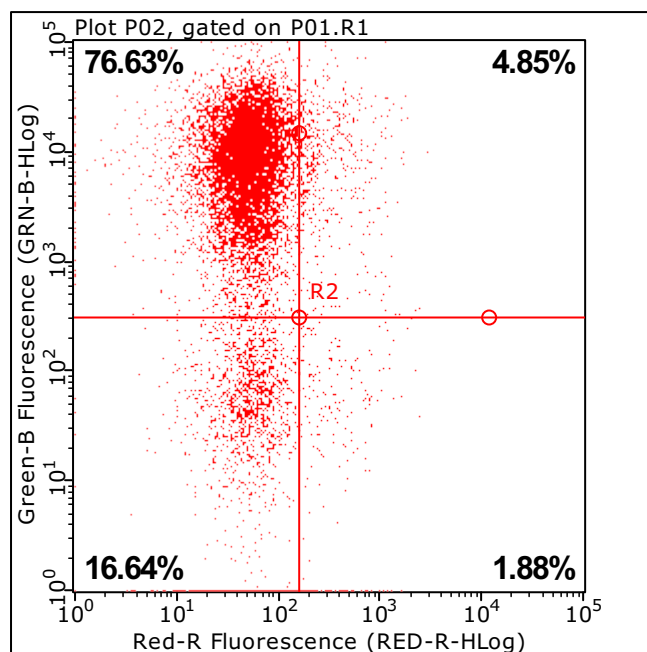


Figure 4F and S7C
PC-3
shCDKL3-3

Well	Sample ID	Date	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
B03	B03	02.07.2022	76.63	4.85	16.64

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
B03	1.88	6.75

Well Number: A02

Sample ID: A02

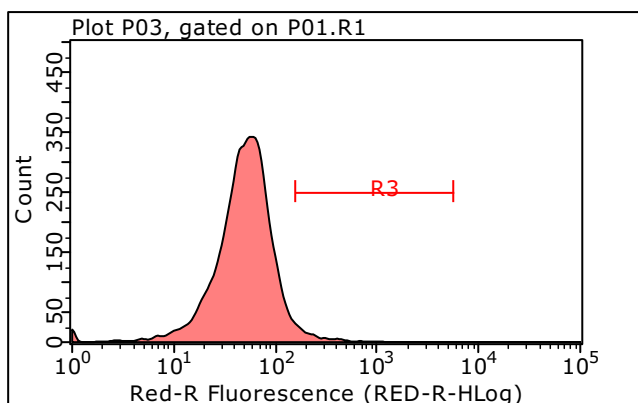
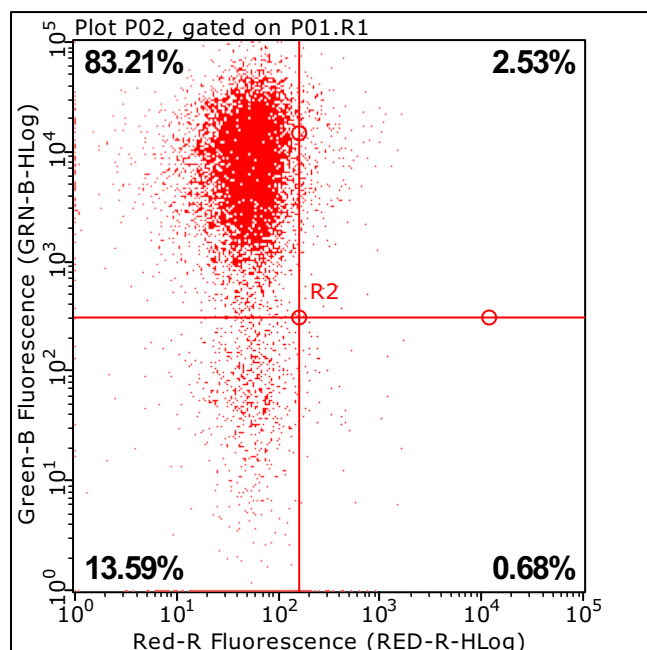


Figure 4F and S7C
PC-3
shCtrl-1

Well	Sample ID	Date	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
A02	A02	02.07.2022	83.21	2.53	13.59

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
A02	0.68	3.22

Well Number: A03

Sample ID: A03

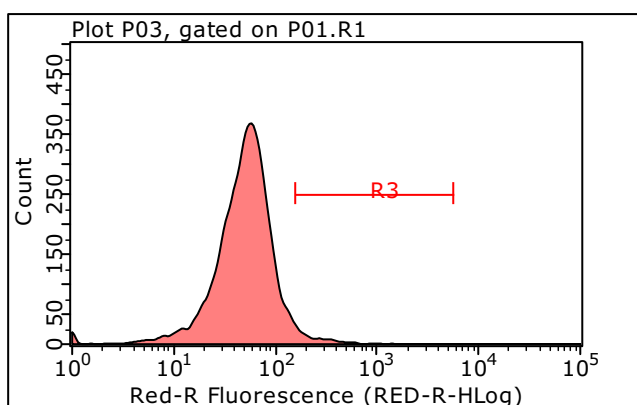
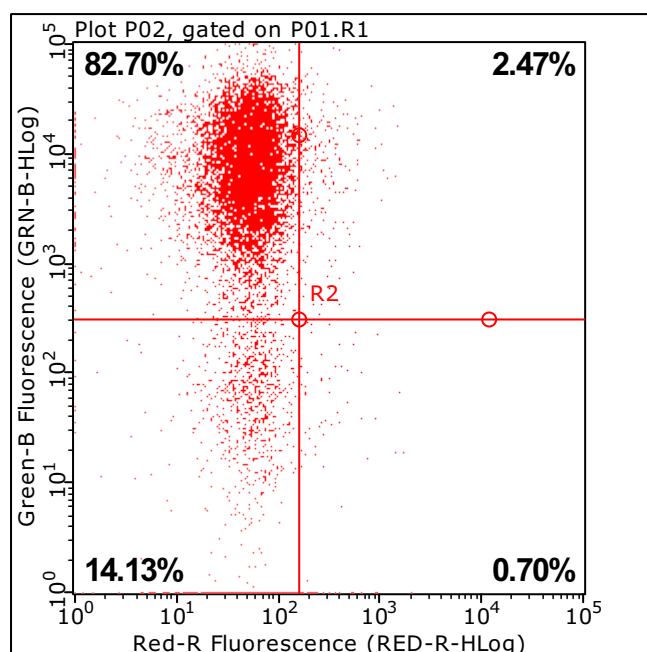


Figure 4F and S7C
PC-3
shCtrl-2

Well	Sample ID	Date	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
A03	A03	02.07.2022	82.70	2.47	14.13

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
A03	0.70	3.20

Well Number: A04

Sample ID: A04

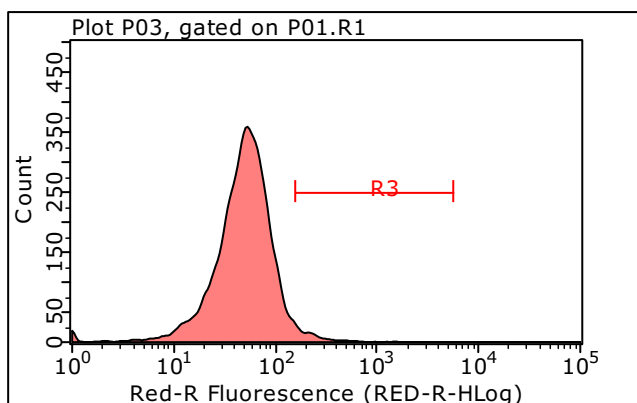
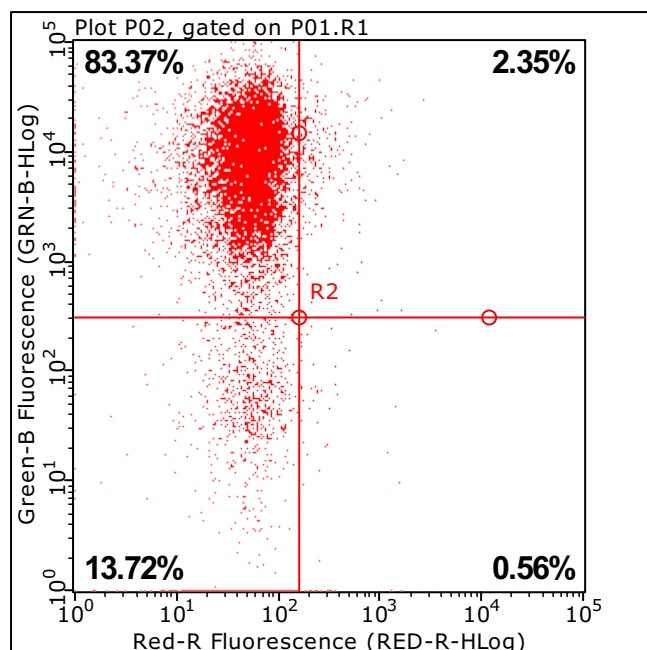


Figure 4F and S7C
PC-3
shCtrl-3

Well	Sample ID	Date	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
A04	A04	02.07.2022	83.37	2.35	13.72

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
A04	0.56	2.94

Well Number: B01

Sample ID: B01

File Name: E:/a-ZY/20200927 DU145 HF DW/2020-09-27_at_04-38-26pm.fcs

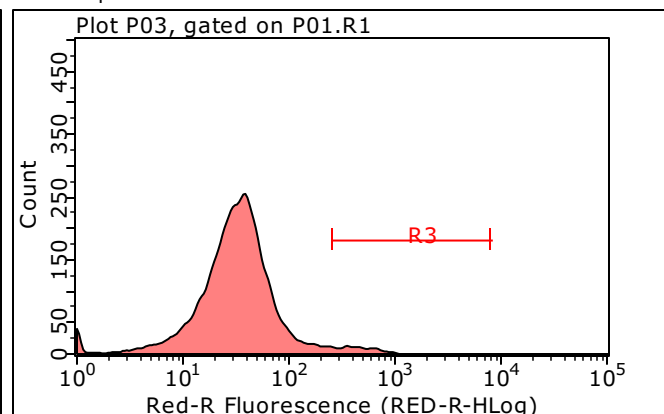
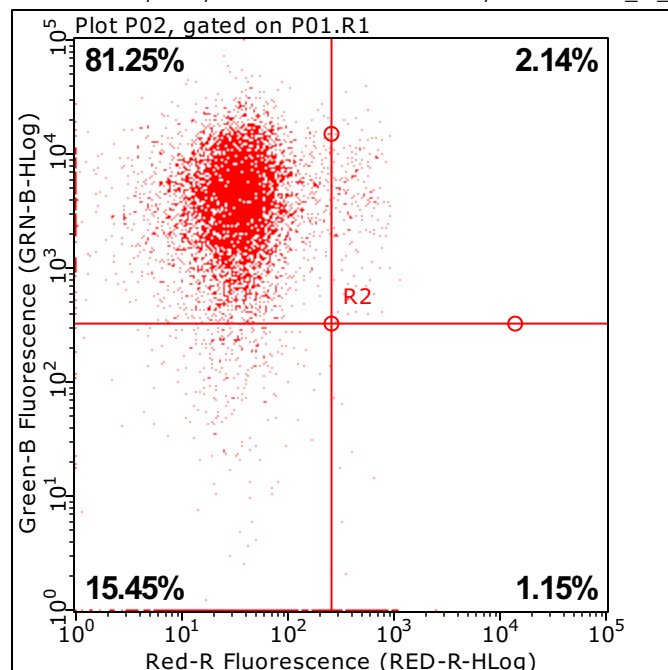


Figure 6C
NC(shSTAT1+CDKL3)-1

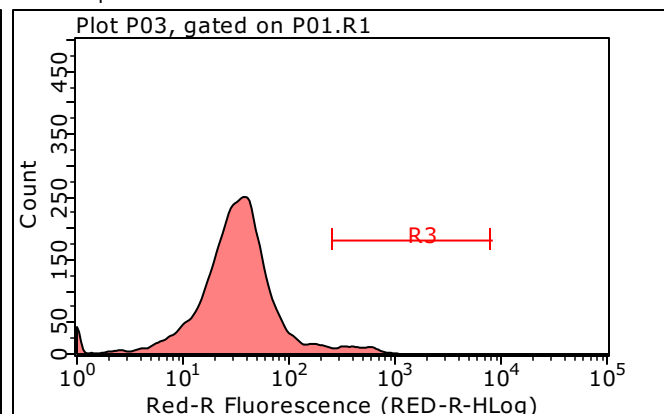
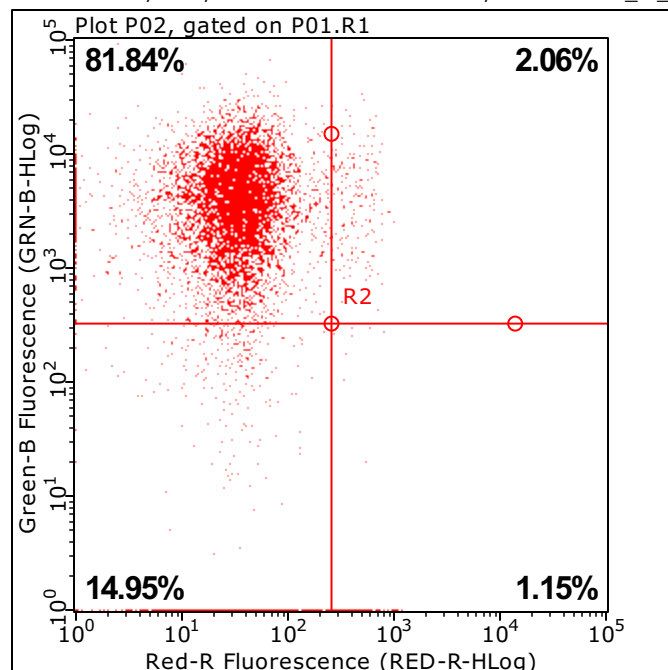
Well	Sample ID	Date	R1.Percent Percent for R1 (%)	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
B01	B01	09.28.2020	55.83	81.25	2.14	15.45

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
B01	1.15	3.30

Well Number: B03

Sample ID: B03

File Name: E:/a-ZY/20200927 DU145 HF DW/2020-09-27_at_04-38-26pm.fcs



Fugure 6C
NC(shSTAT1+CDKL3)-2

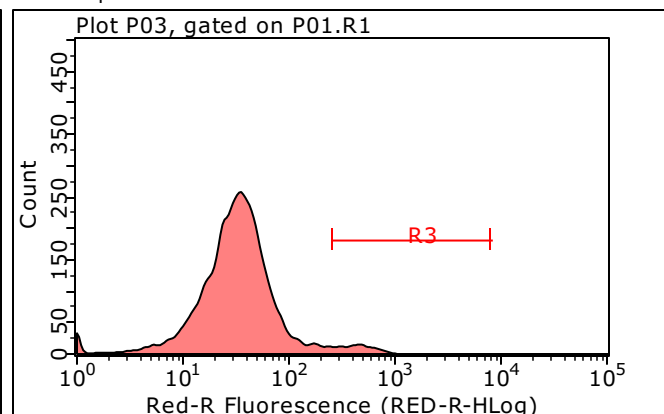
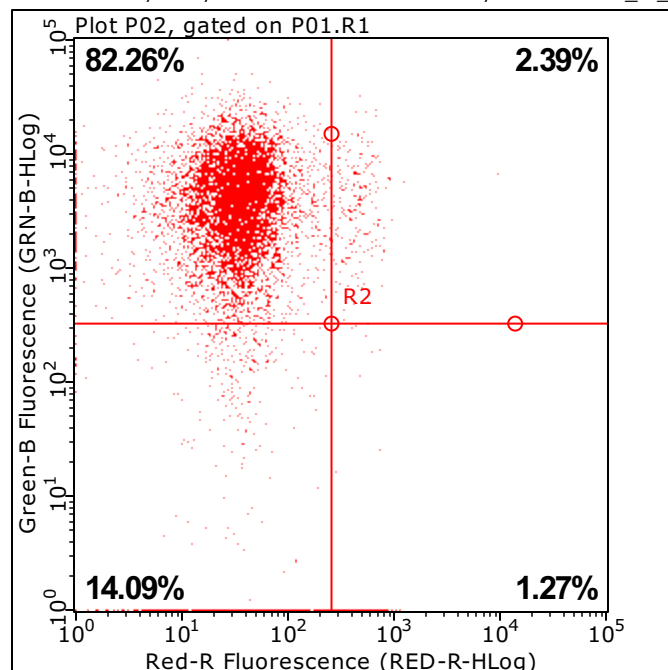
Well	Sample ID	Date	R1.Percent Percent for R1 (%)	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
B03	B03	09.28.2020	55.78	81.84	2.06	14.95

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
B03	1.15	3.22

Well Number: B04

Sample ID: B04

File Name: E:/a-ZY/20200927 DU145 HF DW/2020-09-27_at_04-38-26pm.fcs



Fugure 6C
NC(shSTAT1+CDKL3)-3

Well	Sample ID	Date	R1.Percent Percent for R1 (%)	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
B04	B04	09.28.2020	59.07	82.26	2.39	14.09

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
B04	1.27	3.65

Well Number: C02

Sample ID: C02

File Name: E:/a-ZY/20200927 DU145 HF DW/2020-09-27_at_04-38-26pm.fcs

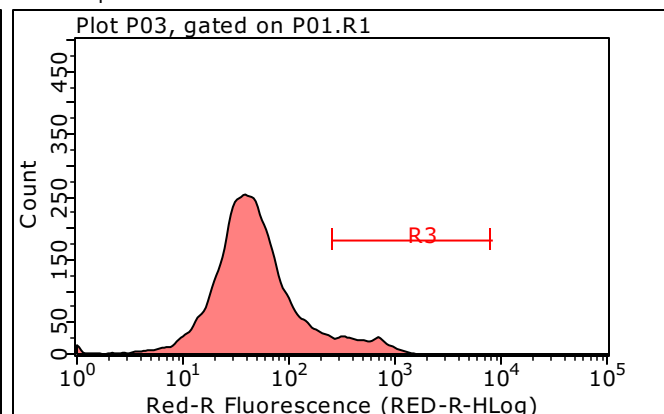
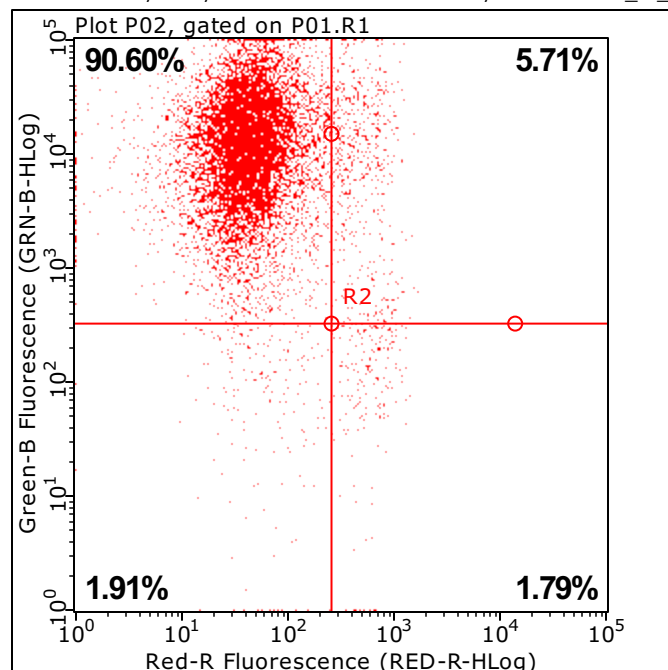


Figure 6C
shSTAT1+CDKL3-1

Well	Sample ID	Date	R1.Percent Percent for R1 (%)	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
C02	C02	09.28.2020	59.21	90.60	5.71	1.91

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
C02	1.79	7.52

Well Number: C03

Sample ID: C03

File Name: E:/a-ZY/20200927 DU145 HF DW/2020-09-27_at_04-38-26pm.fcs

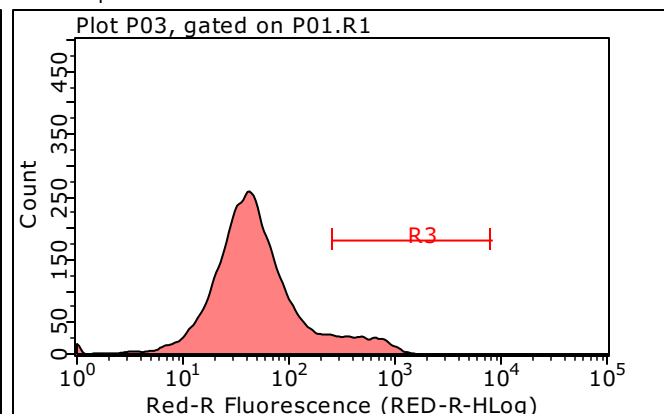
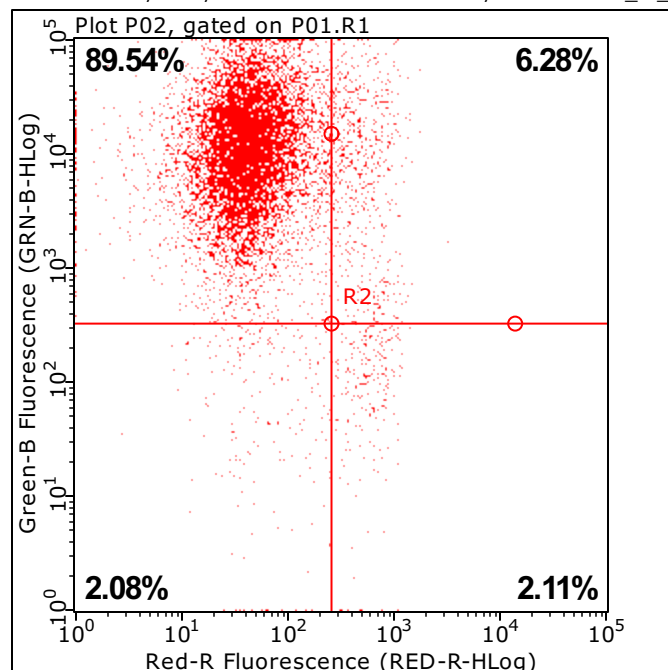


Figure 6C
shSTAT1+CDKL3-2

Well	Sample ID	Date	R1.Percent Percent for R1 (%)	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
C03	C03	09.28.2020	58.82	89.54	6.28	2.08

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
C03	2.11	8.38

Well Number: C04

Sample ID: C04

File Name: E:/a-ZY/20200927 DU145 HF DW/2020-09-27_at_04-38-26pm.fcs

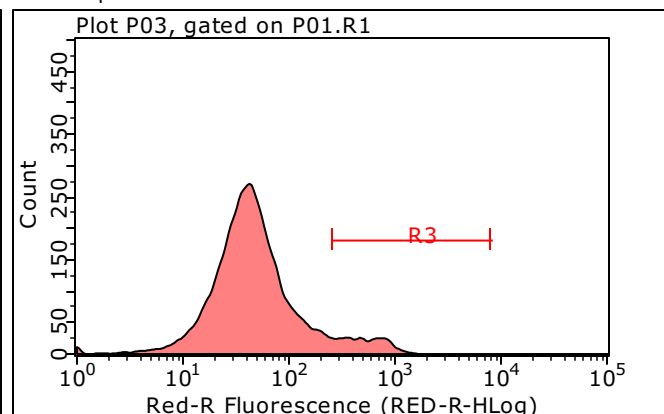
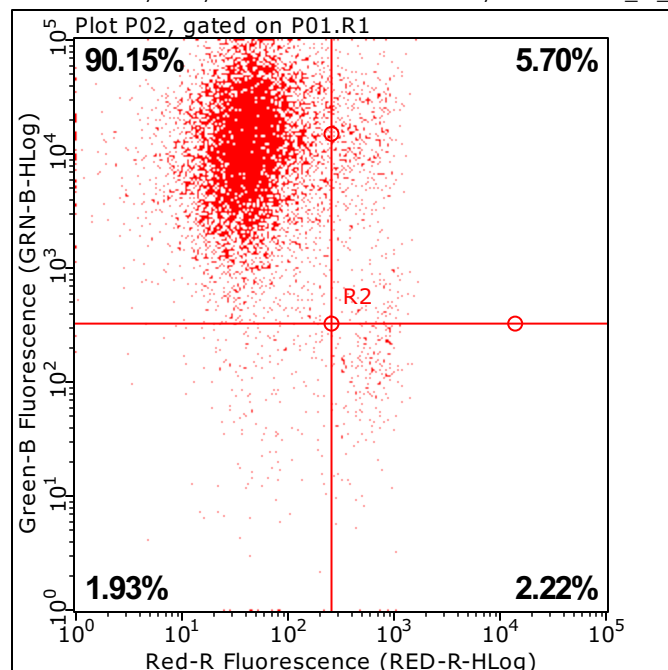


Figure 6C
shSTAT1+CDKL3-3

Well	Sample ID	Date	R1.Percent Percent for R1 (%)	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
C04	C04	09.28.2020	57.03	90.15	5.70	1.93

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
C04	2.22	7.95

Well Number: D02

Sample ID: D02

File Name: E:/a-ZY/20200927 DU145 HF DW/2020-09-27_at_04-38-26pm.fcs

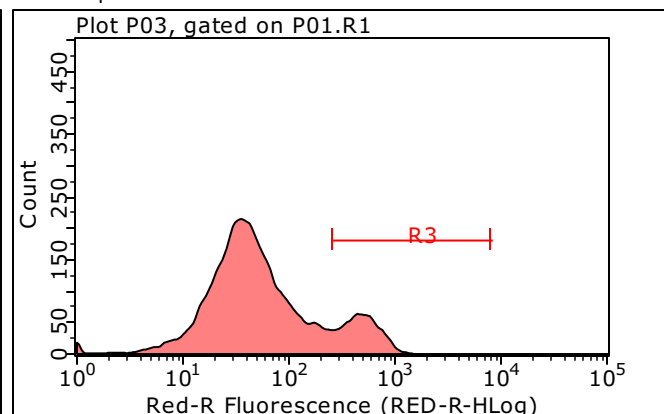
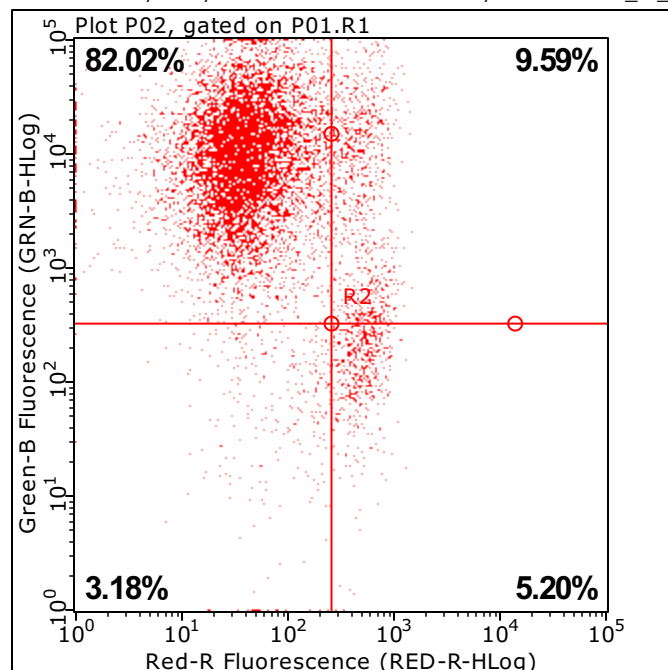


Figure 6C
shSTAT1+NC-CDKL3-1

Well	Sample ID	Date	R1.Percent Percent for R1 (%)	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
D02	D02	09.28.2020	59.67	82.02	9.59	3.18

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
D02	5.20	14.79

Well Number: D03

Sample ID: D03

File Name: E:/a-ZY/20200927 DU145 HF DW/2020-09-27_at_04-38-26pm.fcs

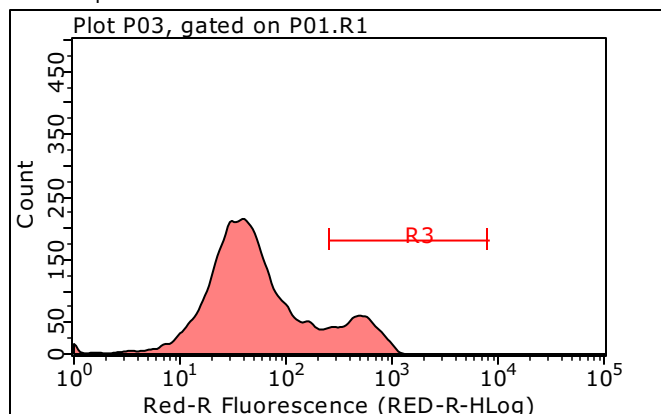
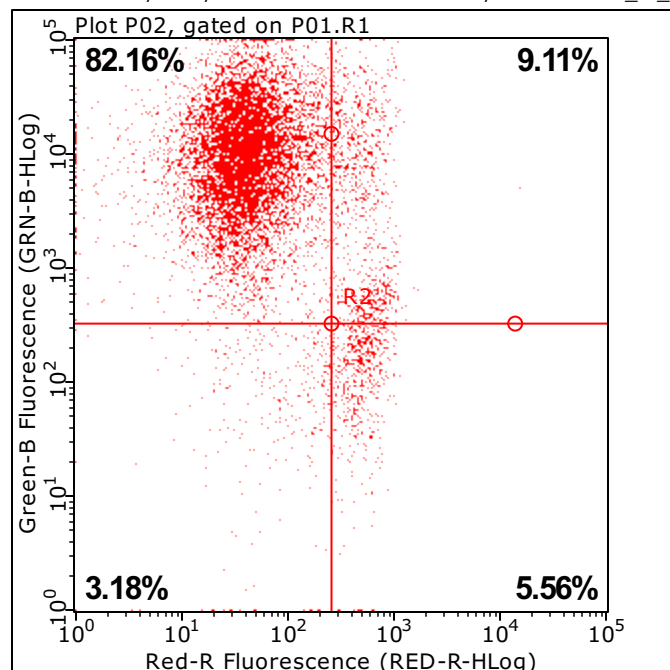


Figure 6C
shSTAT1+NC-CDKL3-2

Well	Sample ID	Date	R1.Percent Percent for R1 (%)	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
D03	D03	09.28.2020	60.10	82.16	9.11	3.18

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
D03	5.56	14.69

Well Number: D04

Sample ID: D04

File Name: E:/a-ZY/20200927 DU145 HF DW/2020-09-27_at_04-38-26pm.fcs

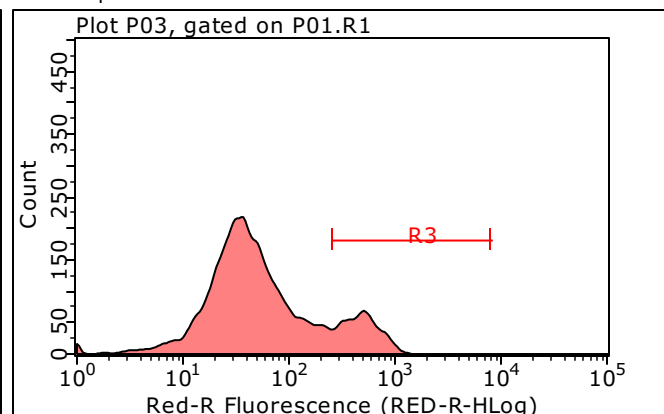
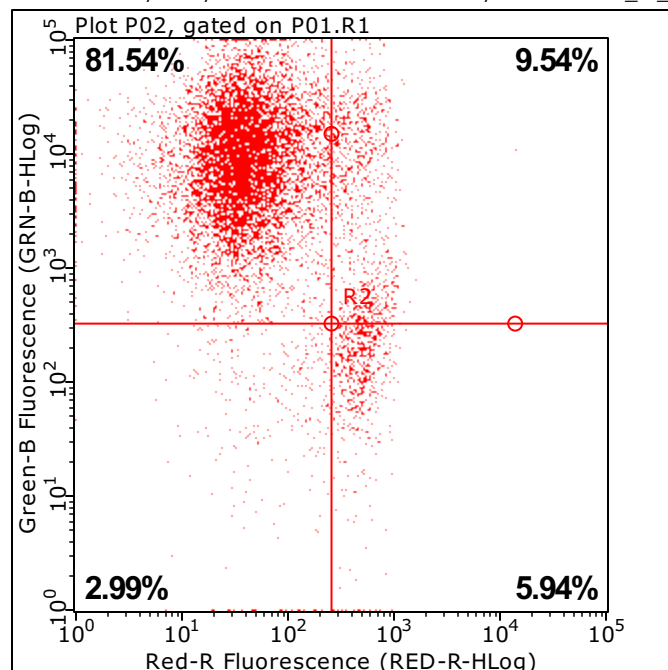


Figure 6C
shSTAT1+NC-CDKL3-3

Well	Sample ID	Date	R1.Percent Percent for R1 (%)	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
D04	D04	09.28.2020	58.97	81.54	9.54	2.99

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
D04	5.94	15.47

Well Number: A02

Sample ID: A02

File Name: E:/a-ZY/20200927 DU145 HF DW/2020-09-27_at_04-38-26pm.fcs

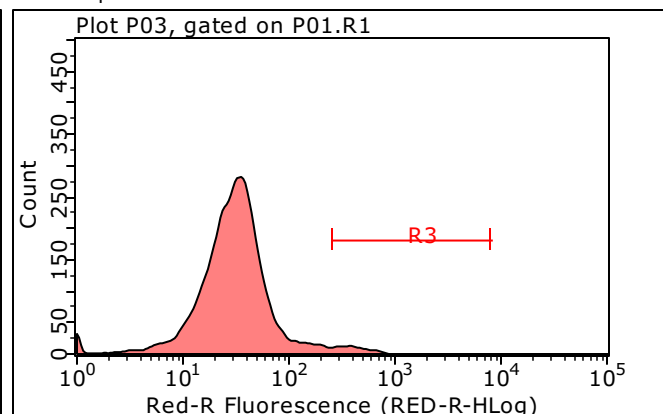
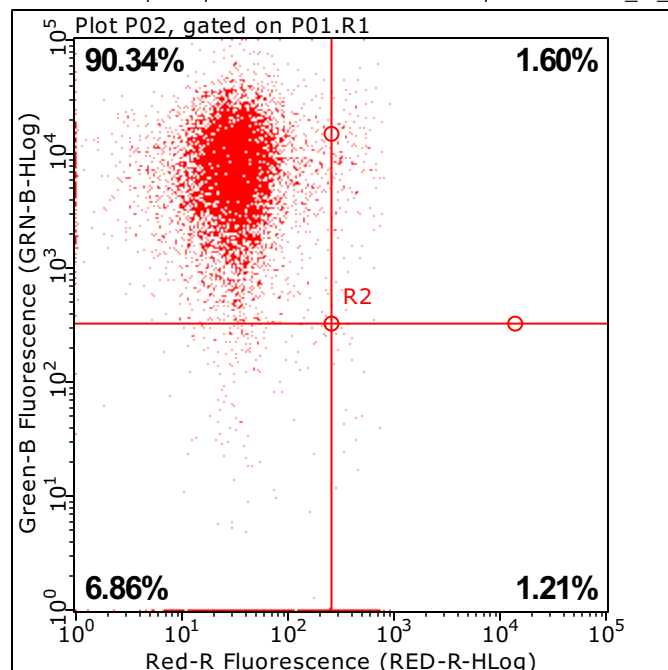


Figure 6C
CDKL3+NC-shSTAT1-1

Well	Sample ID	Date	R1.Percent Percent for R1 (%)	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
A02	A02	09.28.2020	64.43	90.34	1.60	6.86

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
A02	1.21	2.83

Well Number: A03

Sample ID: A03

File Name: E:/a-ZY/20200927 DU145 HF DW/2020-09-27_at_04-38-26pm.fcs

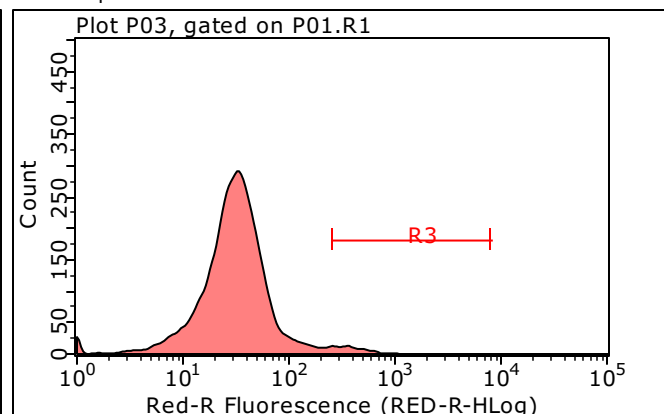
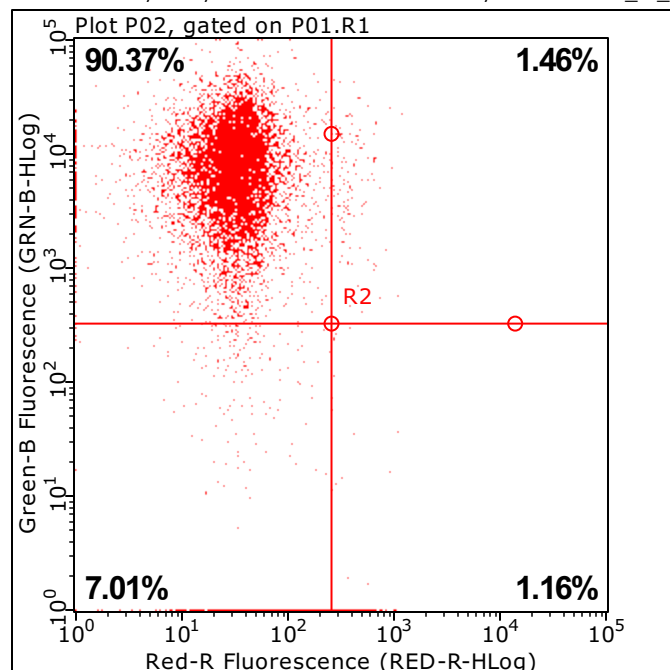


Figure 6C
CDKL3+NC-shSTAT1-2

Well	Sample ID	Date	R1.Percent Percent for R1 (%)	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
A03	A03	09.28.2020	63.69	90.37	1.46	7.01

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
A03	1.16	2.62

Well Number: A04

Sample ID: A04

File Name: E:/a-ZY/20200927 DU145 HF DW/2020-09-27_at_04-38-26pm.fcs

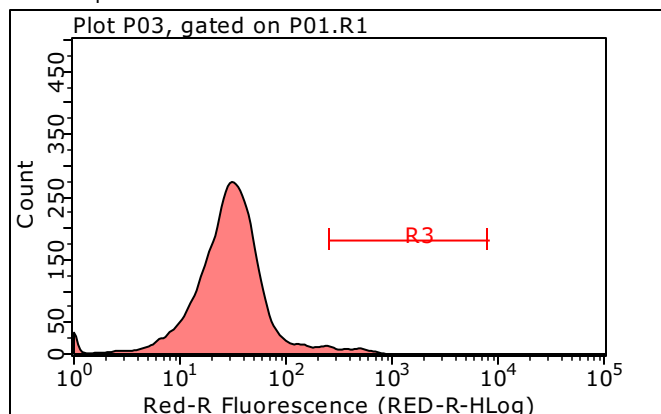
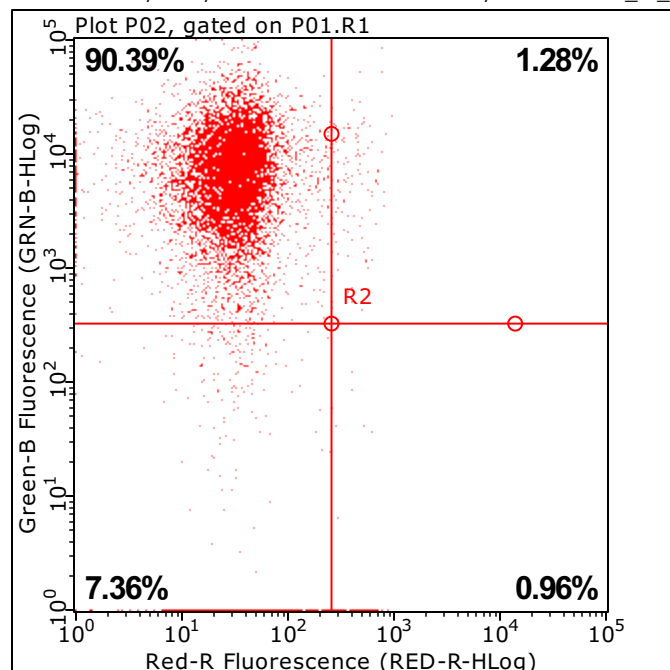


Figure 6C
CDKL3+NC-shSTAT1-3

Well	Sample ID	Date	R1.Percent Percent for R1 (%)	R2.Percent.UL Percent for R2 gated by P01.R1 (%)	R2.Percent.UR Percent for R2 gated by P01.R1 (%)	R2.Percent.LL Percent for R2 gated by P01.R1 (%)
A04	A04	09.28.2020	62.58	90.39	1.28	7.36

Well	R2.Percent.LR Percent for R2 gated by P01.R1 (%)	R3.Percent Percent for R3 gated by P01.R1 (%)
A04	0.96	2.24