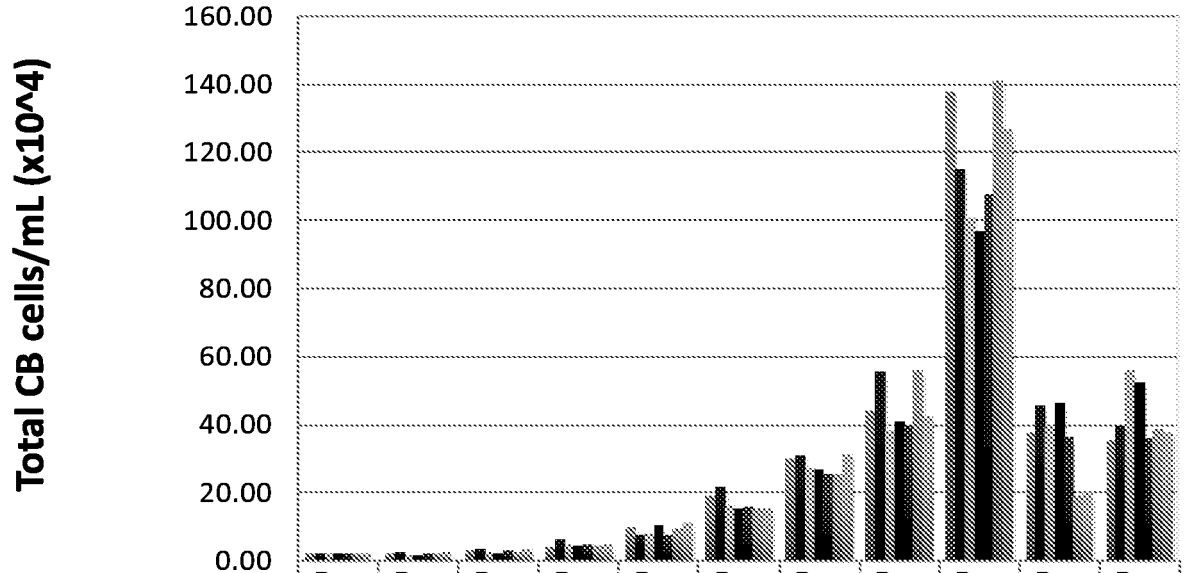
Figure 1

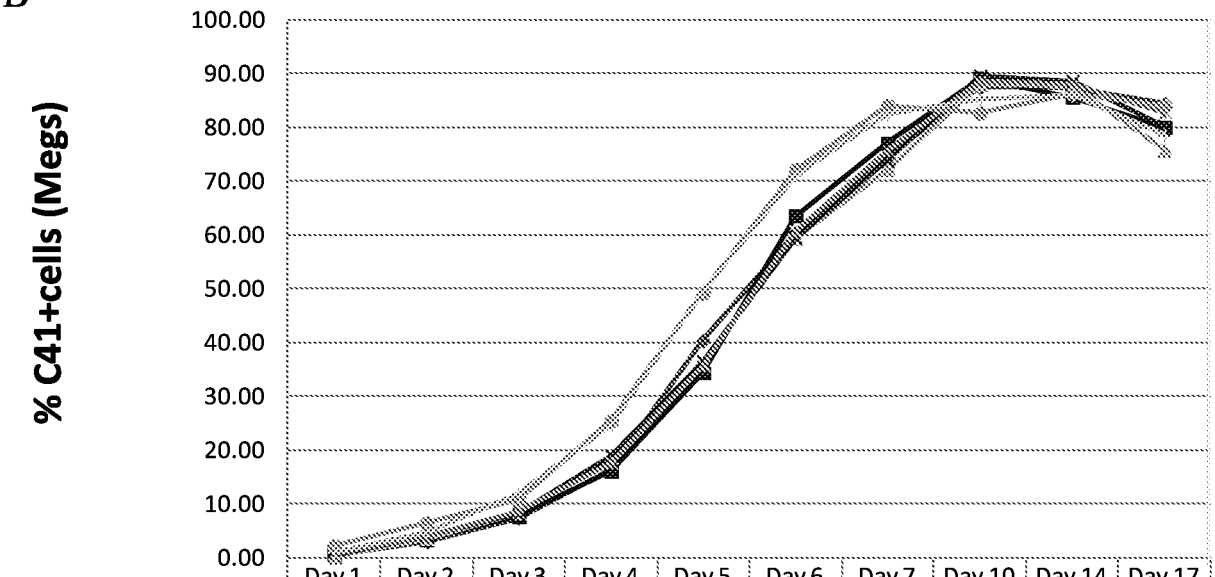
A



	Day 0	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 10	Day 14	Day 17
Imetelstat 0.9 uM	2.00	2.00	3.11	3.89	9.89	18.78	29.75	44.33	138.0	37.67	35.30
Imetelstat 1.875 uM	2.00	2.67	3.22	6.00	7.44	21.56	30.75	55.50	115.0	45.67	39.70
Imetelstat 3.75 uM	2.00	1.56	2.56	5.00	8.11	16.44	27.00	38.33	101.0	39.67	56.00
Imetelstat 7.5 uM	2.00	1.44	2.00	4.56	10.44	15.44	26.75	41.00	96.50	46.33	52.30
Imetelstat 15 uM	2.00	1.89	3.00	4.78	7.56	15.56	25.20	39.33	107.5	36.33	35.70
Standard Control	2.00	2.00	2.44	4.33	9.22	15.33	25.33	56.00	141.0	18.83	38.70
Solvent Control	2.00	2.56	3.33	4.67	11.22	15.33	31.25	42.33	127.0	20.00	37.70

Figure 1

B



	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 10	Day 14	Day 17
Imetelstat - 15 uM	0.47	2.96	7.41	16.38	40.36	60.55	74.57	87.49	87.38	84.44
Imetelstat - 7.5 uM	0.59	3.40	7.68	16.12	34.49	63.62	77.08	89.18	85.64	79.99
Imetelstat - 3.75 uM	0.20	3.58	8.35	18.75	36.26	59.49	72.16	88.03	87.64	75.79
Imetelstat - 1.875 uM	0.57	3.98	8.26	19.04	36.52	59.55	73.78	89.64	88.66	80.25
Imetelstat - 0.9 uM	0.71	3.93	8.64	17.66	35.54	60.67	75.59	88.61	88.05	82.68
Standard Control	2.22	6.46	10.95	25.46	49.24	72.17	84.08	82.66	86.29	84.05
Solvent Control	1.02	4.76	11.77	24.71	49.68	71.15	82.48	85.19	86.01	78.62

Figure 2

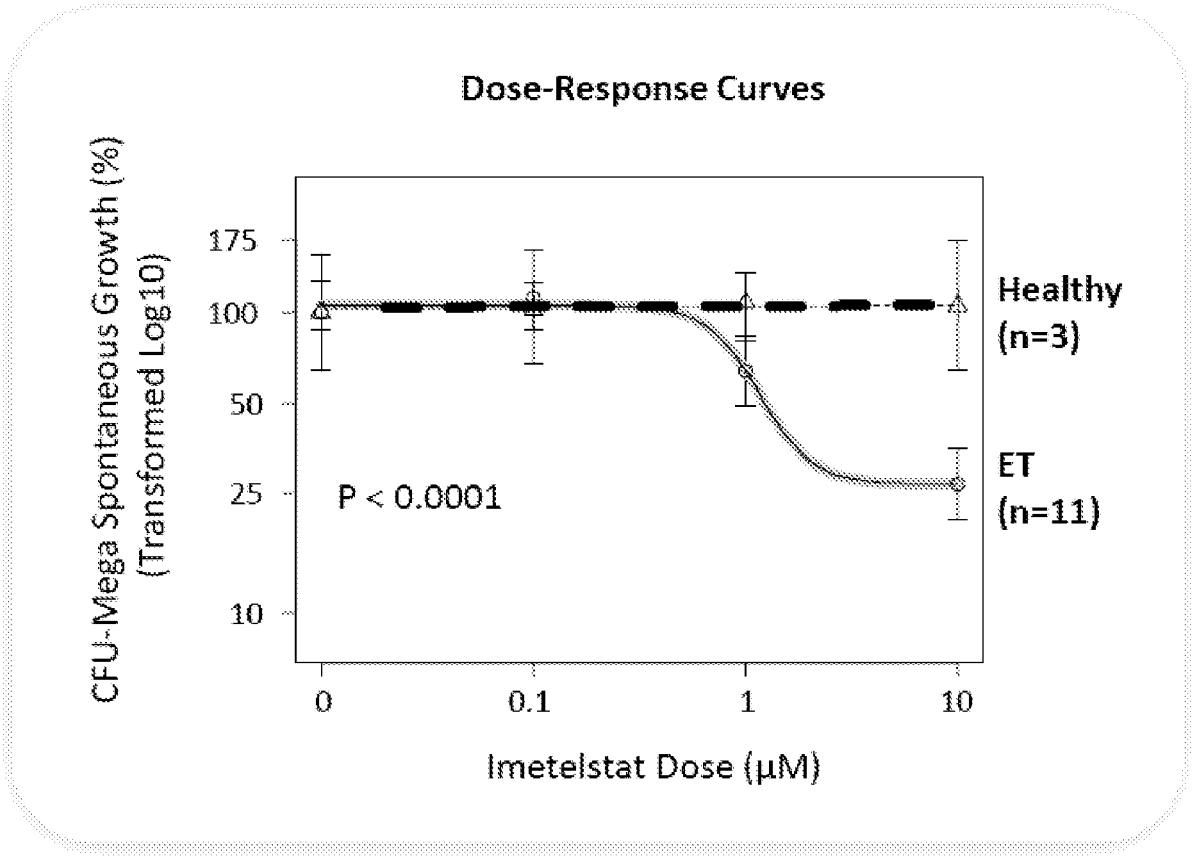

Dose-Response Curves
CFU-Mega Spontaneous Growth (%)
(Transformed Log10)
175
100
50
25
10
P < 0.0001
0
0.1
1
10
Imetelstat Dose (µM)
Healthy
(n=3)
ET
(n=11)

Figure 3

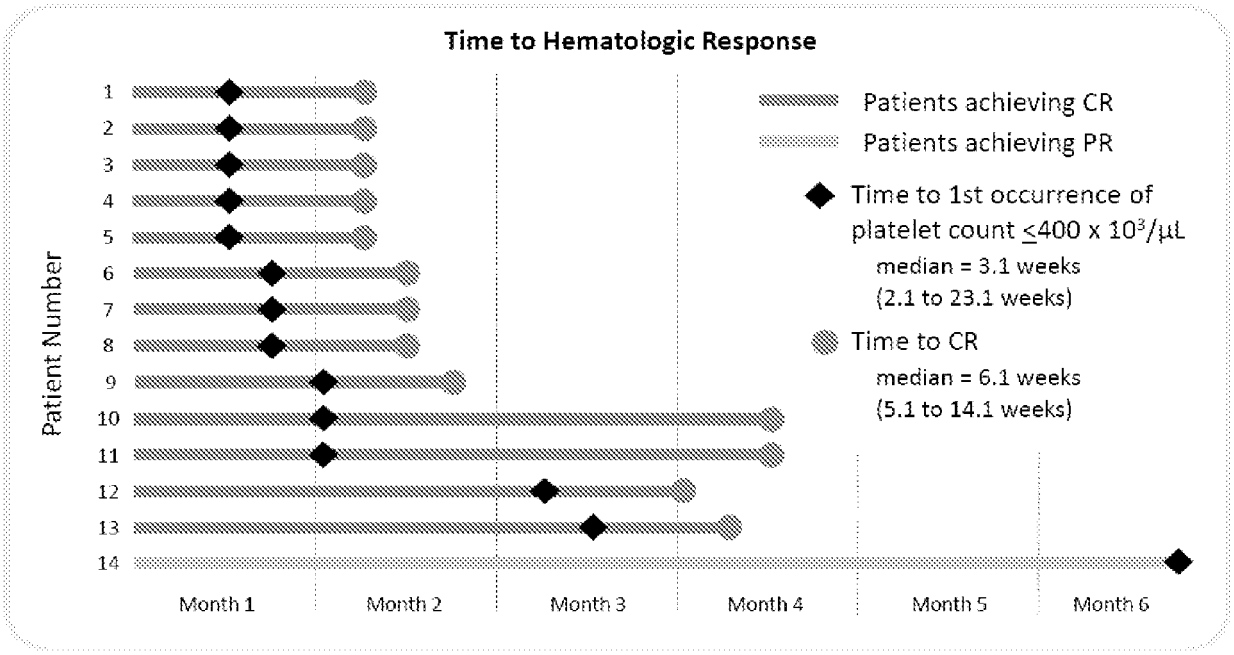

Time to Hematologic Response
Patient Number
1
2
3
4
5
6
7
8
9
10
11
12
13
14
Month 1
Month 2
Month 3
Month 4
Month 5
Month 6
Patients achieving CR
Patients achieving PR
Time to 1st occurrence of platelet count ≤400 x 10³/μL
median = 3.1 weeks
(2.1 to 23.1 weeks)
Time to CR
median = 6.1 weeks
(5.1 to 14.1 weeks)

Figure 4

A

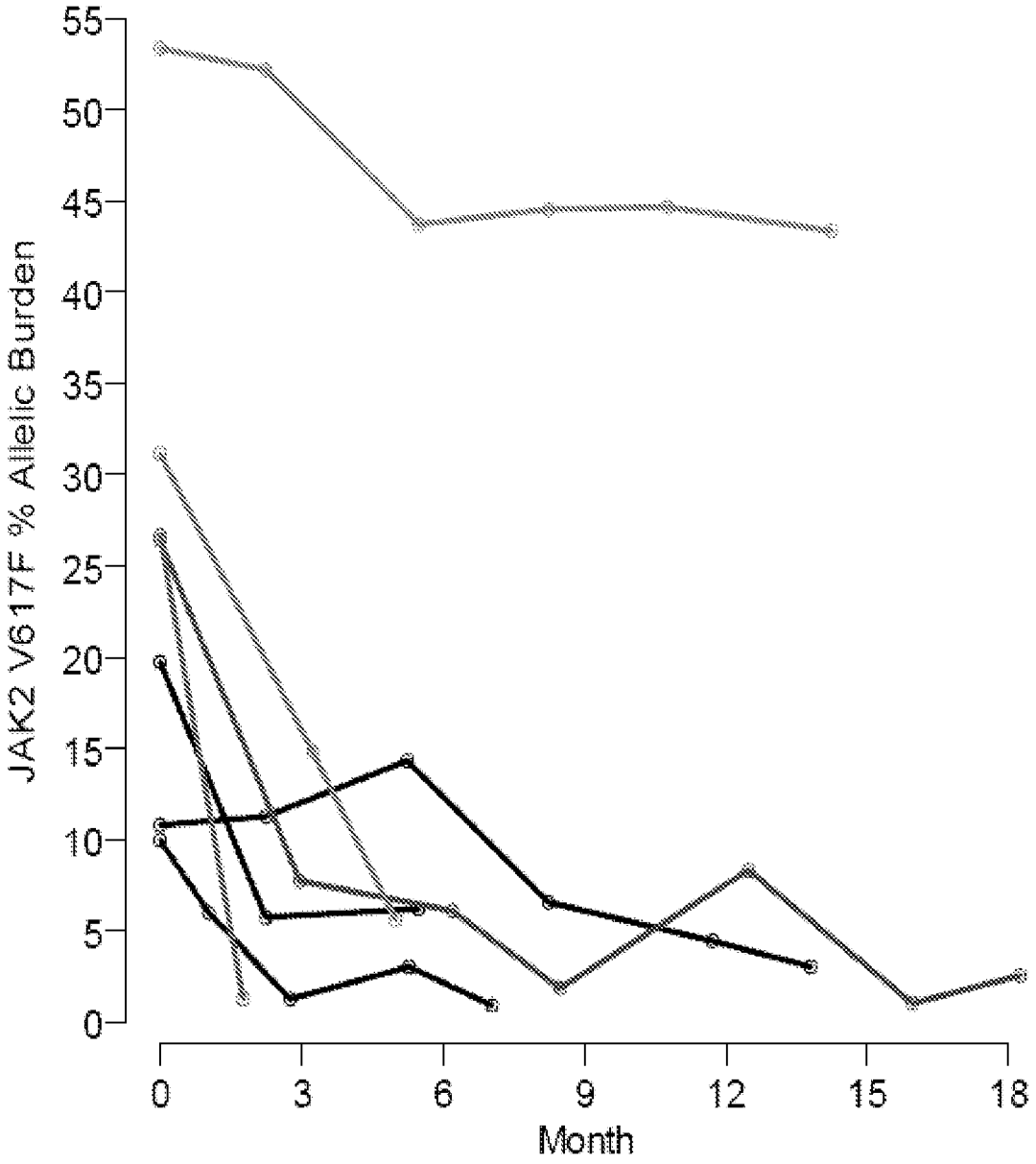

JAK2 V617F % Allelic Burden
55
50
45
40
35
30
25
20
15
10
5
0
0
3
6
9
12
15
18
Month

Figure 4

B

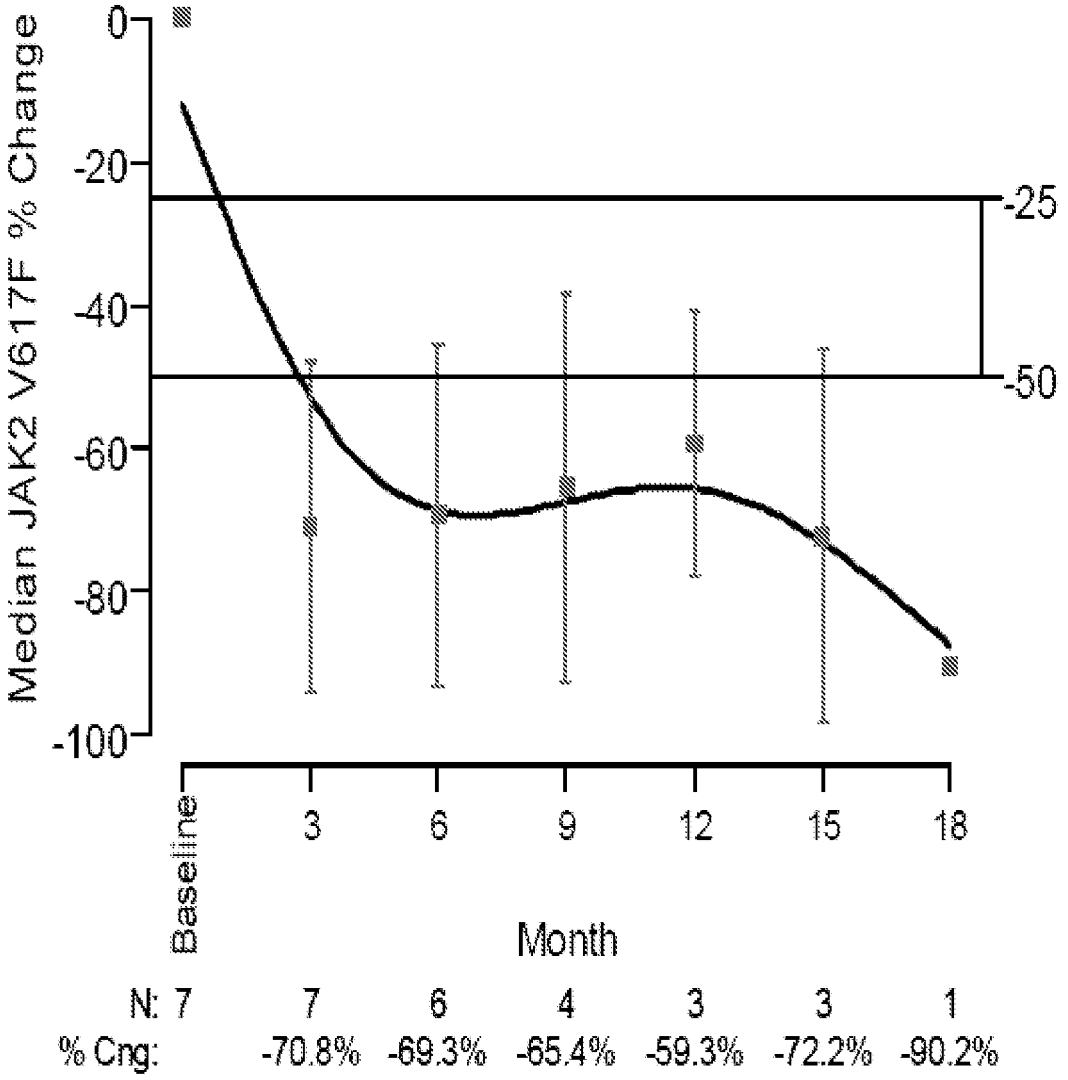

Median JAK2 V617F % Change
0
-20
-40
-60
-80
-100
-25
-50
Baseline
3
6
9
12
15
18
Month
N: 7 7 6 4 3 3 1
% Cng: -70.8% -69.3% -65.4% -59.3% -72.2% -90.2%

Figure 5

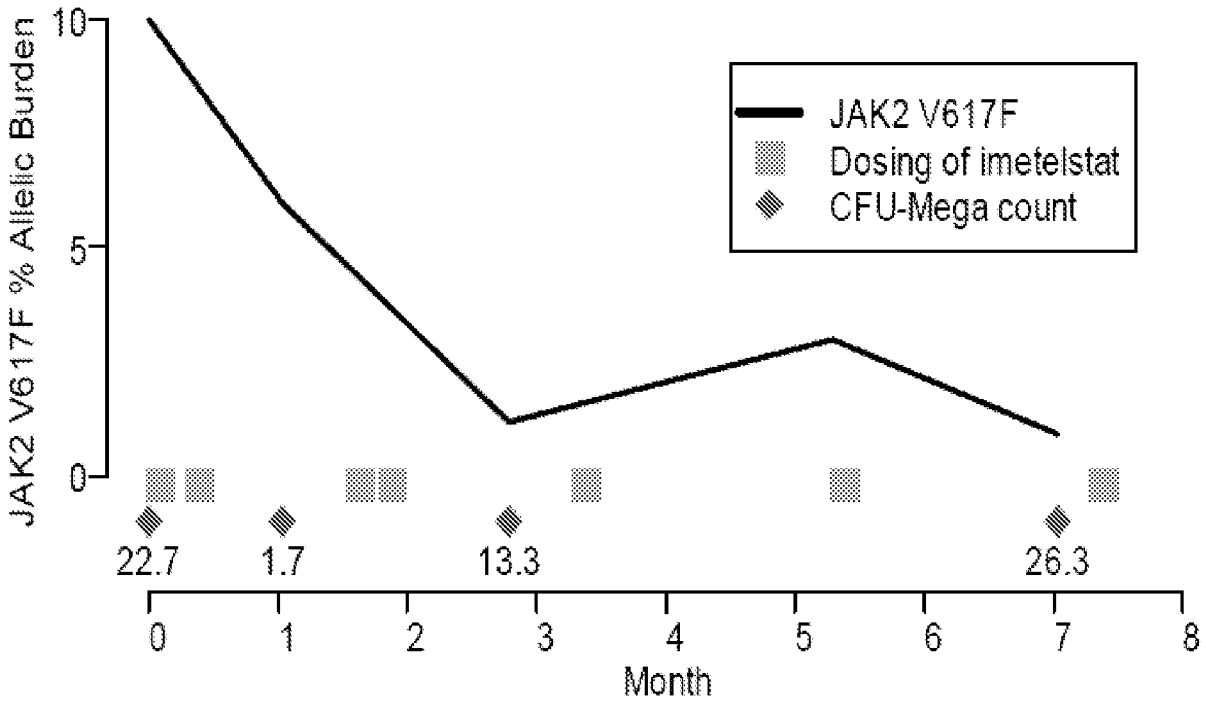
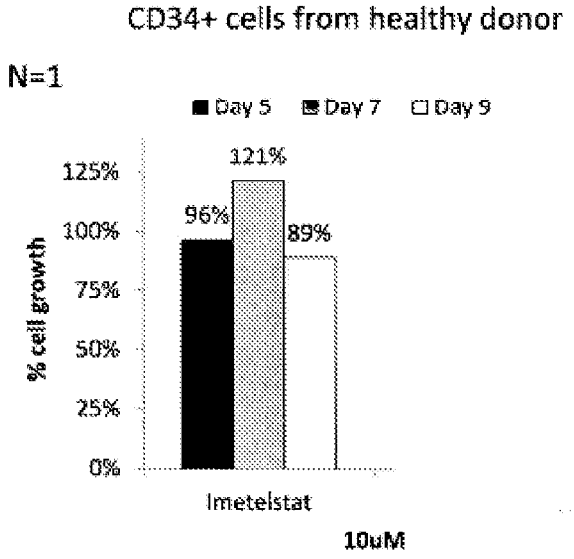
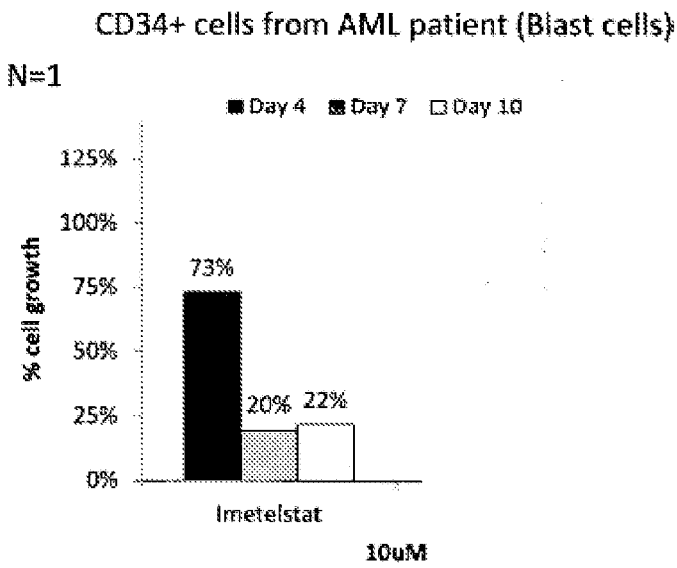

JAK2 V617F % Allelic Burden
10
5
0
JAK2 V617F
Dosing of imetelstat
CFU-Mega count
22.7
1.7
13.3
26.3
0
1
2
3
4
5
6
7
8
Month

Figure 6


CD34+ cells from healthy donor
N=1
Day 5
Day 7
Day 9
% cell growth
125%
100%
75%
50%
25%
0%
96%
121%
89%
Imetelstat
10uM


CD34+ cells from AML patient (Blast cells)
N=1
Day 4
Day 7
Day 10
% cell growth
125%
100%
75%
50%
25%
0%
73%
20%
22%
Imetelstat
10uM

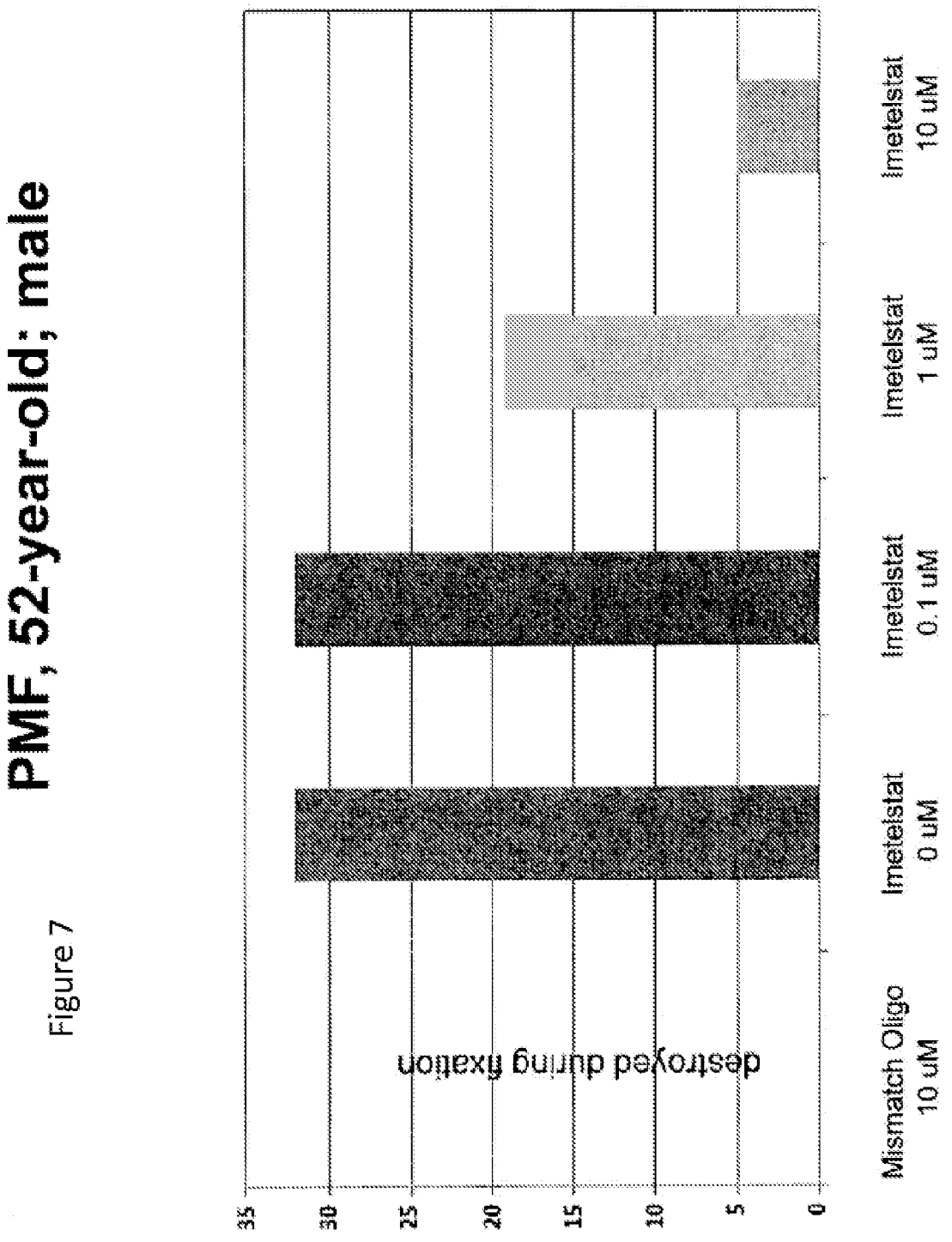

PMF, 52-year-old; male
destroyed during fixation
35
30
25
20
15
10
5
0
Mismatch Oligo 10 uM
Imetelstat 0 uM
Imetelstat 0.1 uM
Imetelstat 1 uM
Imetelstat 10 uM

Figure 7