

## High-resolution single-nucleotide polymorphism array-profiling in myeloproliferative neoplasms identifies novel genomic aberrations

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Online Supplementary Table S1. Patient and sample characteristics.

	ET	PV	Post-ET MF	Post-PV MF
<b>Patients (n)</b>	45	45	6	8
<b>Median age (years)</b>				
at diagnosis	50	55,5	47,5	60,5
at analysis	60	63	52,5	62,5
<b>JAK2 V617F</b>				
positive cases (%)	53	100	33	100
homozygous cases (%)	0	51	17	62
<b>MPL W515L</b>				
positive cases (n)	0	0	0	1

ET, essential thrombocythemia; PV, polycythemia vera; MF, myelofibrosis; PMF, primary myelofibrosis

Online Supplementary Table S2. Genomic localization of aberrations.

UPN	Chromosome	Aberration	Start position	End position	Size (Mb)
9	8q22.1	Loss	97435877	97934666	0.5
11	13q12-q21	Loss	20695142	60553039	31.8
14	20q11-q13	Loss	32335211	44574807	12.2
15	2q36.3	Loss	228606795	229205542	0.6
16	12q21	Loss	88996025	89500805	0.5
18	20q11-q13	Loss	30542918	47138643	16.6
19	9p13.3-pter	ROH	30910	33911977	33.9
21	8	Trisomy	N/A	N/A	N/A
22	9p13.2-pter	ROH	30910	36227241	36.2
23	17q11.2	Loss	25772478	27355332	1.6
26	9	Trisomy	N/A	N/A	N/A
28	9	Trisomy	N/A	N/A	N/A
28	5q11-q13	Loss	54137952	72217160	18.0
29	9	Trisomy	N/A	N/A	N/A
30	9q33.3	Loss	124091249	125049339	1.0
30	17p13.2	Loss	3431117	4098569	0.7
30	17q11.2	Loss	24895151	27559968	2.7
30	9p13.3-pter	ROH	30910	33712658	33.7
31	9p13.1-pter	ROH	30910	38733702	38.7
33	9p21.3-pter	ROH	30910	21146118	21.1
34	9p24.1-pter	ROH	30910	7262542	7.3
35	9p13.3-pter	ROH	30910	33809555	33.8
36	9p12-pter	ROH	30910	44108554	44.1
37	20q11-q13	Loss	36839160	49971215	13.1
37	9p21.3-pter	ROH	30910	21657825	21.6
38	9p23-pter	ROH	30910	10135099	10.1
39	9p13.3-pter	ROH	30910	33250632	33.2
40	9p12-pter	ROH	30910	44108554	44.1
41	9p21.2-pter	ROH	30910	27642540	27.6
42	9p21.3-pter	ROH	30910	21859079	21.8
43	9p13.1-pter	ROH	30910	38761831	38.7
45	20q11-q13	Loss	38308431	52124839	13.8
45	9p21.3-pter	ROH	30910	20675532	20.6
46	9p23-pter	ROH	30910	13834894	13.8
48	9p13.3-pter	ROH	30910	33457614	33.4
49	9p23-pter	ROH	30910	13623082	13.6
50	9p13.1-pter	ROH	30910	38761831	38.7
51	9p21.3-pter	ROH	30910	24694379	24.7
52	4q13.3-qter	ROH	75211605	191306043	116.1
55	9p13.2-pter	ROH	30910	37518290	37.5
60	1q	Gain	N/A	N/A	N/A
60	9p	Gain	N/A	N/A	N/A
61	9p13.3-pter	ROH	30910	33250632	33.2
62	9	Trisomy	N/A	N/A	N/A
64	9p24.1-pter	ROH	30910	6332682	6.3
69	7p21.1	Gain	16623226	16916591	0.3
70	9p22.2-pter	ROH	30910	17313254	17.3
71	9p	ROH	30910	37481030	37.5
101	8	Trisomy	N/A	N/A	N/A
102	20q11-q13	Loss	36038516	58088426	22.0
102	9p21.1-pter	ROH	30910	28241541	28.2
103	12q24.31	Loss	119556807	121190165	1.6
104	3q26.2-qter	Gain	170297611	199322068	29.0
104	3p26.1-pter	Loss	48603	7390452	7.3
104	11q14.1-qter	ROH	81168662	134437775	53.3
105	8	Trisomy	N/A	N/A	N/A
105	7p21.3	Loss	10151022	10523103	0.4
105	7q22.1-qter	ROH	101293199	158604512	57.3
108	21	Trisomy	N/A	N/A	N/A
108	9p21.3-pter	ROH	30910	21256497	21.2
109	2p12-p14	Loss	66819127	82002604	15.2
109	19p13.2-3	Loss	6893829	7054423	0.2
116	3p24.3	Loss	20695142	21235374	0.5
117	6p11.2-p12.1	Gain	57294474	57764499	0.5
118	3p24.3-p25.1	Gain	15940493	17477922	1.5
118	9	Trisomy	N/A	N/A	N/A
118	20q11-q13	Loss	30542918	49112669	18.6
119	8p22	Loss	15987084	16073441	0.1
119	20q11-q13	Loss	30491175	56254108	25.8
120	9p22.2-pter	ROH	30910	17390622	17.4
122	9p22.2-pter	ROH	380943	17769087	17.7
123	15q21.3	Loss	53470432	54314569	0.9
123	20q11-q13	Loss	30903889	50917265	20.0
125	12q15	Loss	66593789	66776260	0.2
127	18p11.23	Gain	7214416	7619802	0.4
129	1q	Gain	N/A	N/A	N/A
129	8p23.1	Loss	8309288	8512334	0.2
130	1q	Gain	N/A	N/A	N/A
130	7q	Loss	N/A	N/A	N/A
131	13q12.12	Loss	22371663	23943158	1.6
133	20q11-q13	Loss	30477637	49791124	19.3
134	8	Trisomy	N/A	N/A	N/A
134	3q26.31	Loss	176547629	176847418	0.3
134	17q22	Loss	49147191	49599985	0.5
162	10q21.3	Loss	68088852	68192931	0.1
162	12q24.11-13	Loss	109108549	111307577	2.2
	12q24.11-12 [biallelic]	Loss	109839641	110379001	0.5
170	16p13.11-12	Gain	14667269	16576405	1.9
192	1q21.1-q32.1	Gain	142445437	203122439	61.7
193	20q11-q13	Loss	34618631	49317501	14.7
199	3q27.3-q28	Gain	188325601	189608043	1.3
203	10q11.22-23	Gain	49062113	52228433	3.2
203	10p12.31	Loss	19439615	19892650	0.5

UPN, unique patient number; ROH, run of homozygosity; N/A, not applicable