

**Supplementary table 1: Clinical-biological features of AML patients**

UPN	% blasts in BM	WHO Classification	Mutation status	Cytogenetics	<i>Lin28A</i> expression	<i>miR-128a</i> expression
1	90	APL	PML/RAR $\alpha$	46,XY,t(15;17)(q24;q21),der(3)t(3;?)or add(3)(q?)[20]	0.000103721	0.181
2	90	Acute myelomonocytic leukemia	WT1(+) FLT3(+)	Normal	0.000468	0.025
3	75	AML with maturation	WT1(+) FLT3(+)	Complex karyotype	0.000114	0.027
4	97	Not specified	WT1(+)	46,X?,inv(16)(p13q22)	0.003940	0.008
5	90	Not specified	WT1(+) NPM1(+) FLT3(+)	Not available	0.0477	0.033146492
6	100	Not specified	WT1(+) FLT3(+) MLL(+)	Not available	0.002420	
7	85	Not specified	WT1(+) NPM1(+)	Not available	0.002230	0.047530586
8	90	Not specified	WT1(+) FLT3(+)	Not available		0.014477938
9	100	APL	WT1(+) PML/RAR $\alpha$	46,XY,t(15;17)(q24;q21)	0.003880	0.060162153
10	100	APL	WT1(+) PML/RAR $\alpha$ FLT3(+)	46,XX,t(15;17)(q24;q21)	0.003360	0.129408115
11	85				0.000324	0.022405551
12	80	Acute myelomonocytic leukemia	WT1(+) NPM1(+) FLT3(+)	Not available	0.001350	0.010273
13	98					0.01132
14	60	Acute monoblastic/monocytic leukemia	WT1(+)	Not available	0.001540	0.014
15	97	AML with maturation	WT1(+) NPM1(+)	Not available	0.001630	0.013
16	90	Secondary AML		Not available	0.001790	0.01589812
17	90			Not available	0.014400	0.008912217
18	90	AML with maturation	WT1(+)	Not available	0.009300	0.018198962
19	70	Secondary AML	WT1(+)	Complex karyotype	0.000146	0.081899588
20	81	AML without maturation	WT1(+) NPM1(+) FLT3(+)	Not available	0.000459	
21	80	AML without maturation	WT1(+)	46,XY,t(9;11)	0.00248	0.01
22	98	AML with minimal	NPM1(+)	Normal	0.000564	

		differentiation				
23	82	AML without maturation		Normal	0.0015	0.011
24	90	Acute myelomonocytic leukemia		Not available	0.0295	0.018000
25	95	Acute monoblastic/monocytic leukemia	WT1(+)	46,XX,inv(16)(p13q22),t(X;5)(q?:q?)	0.011	0.046000
26	90	AML without maturation		Normal	0.0008	
27	70-80	Acute myelomonocytic leukemia	WT1(+)	Not available	0.0004	
28	60-70	Acute myelomonocytic leukemia	WT1(+)	Normal	0.000429	0.018
29	80	Acute myelomonocytic leukemia		Not available	0.000614	0.01
30	90	AML with minimal differentiation	WT1(+)	Not available	0.000573	0.01
31	80	AML without maturation	NPM1(+)	Normal	0.000533	0.012
32	95	Acute myelomonocytic leukemia	FLT3(+)	Not available	0.00122	0.021
33	70	AML without maturation	WT1(+)	45,XY,-7[?]	0.000887	0.014
34	70	Acute myelomonocytic leukemia	WT1(+)	Complex karyotype	0.00139	0.013
35	80	AML without maturation	NPM1(+)		0.000573	0.011
36	90	Acute myelomonocytic leukemia	WT1(+)	Not available	0.000188	0.014477938
37	69	Secondary AML	WT1(+)	Not available	0.000821188	0.017579039
38	90	Acute myelomonocytic leukemia	WT1(+)	Complex karyotype	0.000143168	0.01
39	76	AML without maturation	WT1(+); NPM1(+)	Normal	0.010380358	0.022
40	65	AML without maturation	WT1(+)	46,XY,del(9)(q21)[20]	0.000171441	0.068

UPN, unique patient number; BM, bone marrow; APL, acute promyelocytic leukemia; AML, acute myeloid leukemia.