



















Supplemental Table 4. Details of Typical T, B, or Myeloid with mixed cells cases

Final diagnosis (WHO 2008)	Type of tested sample	type of coagulant	Disease phase	Gender	Age (years)																% M/T/B	% Unclassified	% Immature
						% Main T	% Main B	% Main Myeloid	% Mixed T/B	% Mixed T/M	% Mixed M/B	% Sector T->B	% Sector T->M	% Sector B->T	% Sector B->M	% Sector M->T	% Sector M->B						
AML	BM	heparin	diagnosis	M	47.15	0	0	29,8	0	0	0	0	0	0	0	0	0	0	35,41	34,79	0		
AML	BM	heparin	diagnosis	V	51.98	0	0	59,83	0	0	0	0	0	0	0	0	0	0	21,84	18,32	0		
AML	BM	heparin	diagnosis	F	71.6	0	0	47,55	0	0	1,07	0	0	0	0	0	0	42,96	0	8,43	0		
AML	BM	Heparin	Diagnosis	F	73	0	0	78,81	0	0	1,1	0	0	0	0	0	0	18,22	0	1,88	0		
AML	BM	heparin	diagnosis	M	82.2	0	0	94,41	0	0	1,33	0	0	0	0	0	0	4,26	0	0	0		
AML	BM	EDTA	Diagnosis	M	64	0	0	95,66	0	0	1,35	0	0	0	0	0	0	2,88	0	0,1	0		
AML	BM	heparin	diagnosis	M	7.56	0	0	61,68	0	0	1,42	0	0	0	0	0	0	28	0	5,08	3,82		
AML	BM	heparin	diagnosis	M	54.6	0	0	92,67	0	0	1,43	0	0	0	0	0	0	5,61	0	0,29	0		
AML	BM	heparin	diagnosis	M	68.9	0	0	93,58	0	0	1,43	0	0	0	0	0	0	4,99	0	0	0		
AML	BM	heparin	diagnosis	F	62.4	0	0	85,12	0	0	1,46	0	0	0	0	0	0	13,4	0	0,02	0		
AML	PB	heparin	diagnosis	F	73.8	0	0	91,82	0	0	1,66	0	0	0	0	0	0	6,51	0	0,01	0		
AML	BM	EDTA	Diagnosis	M	60	0	0	91,53	0	0	1,72	0	0	0	0	0	0	5,47	0	1,28	0		
AML	BM	EDTA	Diagnosis	M	76	0	0	92,03	0	0	1,79	0	0	0	0	0	0	5,72	0	0,46	0		
AML	BM	heparin	diagnosis	F	67.24	0	0	93,47	0	0	1,85	0	0	0	0	0	0	4,67	0	0,01	0		
AML	BM	heparin	diagnosis	M	65.38	0	0	93,93	0	0	1,93	0	0	0	0	0	0	4,14	0	0	0		
AML	BM	EDTA	Diagnosis	F	69	0	0	95,04	0	0	1,93	0	0	0	0	0	0	2,19	0	0,83	0		
AML	BM	heparin	diagnosis	M	80	0	0	90,94	0	0	2,06	0	0	0	0	0	0	5,43	1,57	0	0		
AML	BM	heparin	diagnosis	F	79.5	0	0	66,93	0	0	2,12	0	0	0	0	0	0	30,73	0	0,22	0		
AML	BM	heparin	diagnosis	F	62.1	0	0	67,29	0	0	2,25	0	0	0	0	0	0	30,2	0	0,27	0		
AML	BM	Heparin	Diagnosis	M	54	0	0	88,35	0	0	2,45	0	0	0	0	0	0	9,21	0	0	0		
AML	BM	heparin	diagnosis	M	57.2	0	0	92,82	0	0	2,64	0	0	0	0	0	0	4,23	0	0,31	0		
AML	BM	heparin	diagnosis	F	64	0	0	94,35	0	0	2,69	0	0	0	0	0	0	2,75	0	0,21	0		
AML	PB	heparin	diagnosis	V	48.07	0	0	88,46	0	0	2,7	0	0	0	0	0	0	8,84	0	0	0		
AML	PB	EDTA	Diagnosis	F	84	0	0	91,88	0	0	2,76	0	0	0	0	0	0	5,35	0	0,01	0		
AML	BM	heparin	diagnosis	M	70.2	0	0	92,37	0	0	2,77	0	0	0	0	0	0	4,86	0	0	0		
AML	BM	EDTA	Diagnosis	M	65	0	0	66,55	0	0	3,73	0	0	0	0	0	0	28,7	0	1,03	0		
AML	BM	heparin	diagnosis	M	65.5	0	0	92,97	0	0	3,75	0	0	0	0	0	0	3,03	0	0,25	0		
AML	BM	heparin	diagnosis	F	64.2	0	0	71,48	0	0	3,83	0	0	0	0	0	0	24,68	0	0	0		
AML	BM	EDTA	Diagnosis	F	58	0	0	75,11	0	0	3,97	0	0	0	0	0	0	20,82	0	0,11	0		
AML	BM	EDTA	Diagnosis	F	75	0	0	87,7	0	0	4,01	0	0	0	0	0	0	5,74	0	2,55	0		
AML	BM	heparin	diagnosis	M	78.94	0	0	89,19	0	0	4,04	0	0	0	0	0	0	5,99	0	0,78	0		
AML	BM	heparin	diagnosis	M	15.77	0	0	87,33	0	0	4,12	0	0	0	0	0	0	8,54	0	0,01	0		
AML	BM	heparin	diagnosis	M	8.21	0	0	71,31	0	0	4,28	0	0	0	0	0	0	16,66	0	6,65	1,09		
AML	PB	heparin	diagnosis	M	0.85	0	0	91,45	0	0	4,52	0	0	0	0	0	0	4,01	0	0,01	0		
AML	PB	EDTA	Diagnosis	M	81	0	0	65,71	0	0	4,81	0	0	0	0	0	0	29,31	0	0,17	0		
AML	BM	EDTA	Diagnosis	M	56	0	0	74,06	0	0	5,44	0	0	0	0	0	0	20,43	0	0,06	0		
AML	BM	heparin	diagnosis	F	58	0	0	14,7	0	0	5,45	0	0	0	0	0	0	78,27	0	1,59	0		
AML	BM	heparin	diagnosis	M	64.50	0	0	54,12	0	0	5,57	0	0	0	0	0	0	40,29	0	0,02	0		
MPAL	BM	heparin	diagnosis	F	50.1	0	0	56,12	0	0	5,58	0	0	0	0	0	0	30,39	0	6,76	1,14		
AML	PB	heparin	diagnosis	M	64.9	0	0	87,38	0	0	5,59	0	0	0	0	0	0	7,03	0	0	0		
AML	BM	heparin	diagnosis	F	66	0	0	88,73	0	0	5,61	0	0	0	0	0	0	5,65	0	0,01	0		
AML	BM	EDTA	Diagnosis	F	52	0	0	89,77	0	0	5,62	0	0	0	0	0	0	4,41	0	0,2	0		
AML	PB	EDTA	Diagnosis	F	67	0	0	81,44	0	0	5,77	0	0	0	0	0	0	12,78	0	0,01	0		
AML	BM	heparin	diagnosis	F	61.9	0	0	85,86	0	0	6,08	0	0	0	0	0	0	8,05	0	0	0		
AML	BM	not known	Diagnosis	M	48	0	0	91,78	0	0	6,12	0	0	0	0	0	0	2,1	0	0	0		
AML	BM	not known	Diagnosis	M	67	0	0	88,09	0	0	6,2	0	0	0	0	0	0	5,67	0	0,04	0		
AML	BM	EDTA	Diagnosis	F	67	0	0	71,58	0	0	6,21	0	0	0	0	0	0	19,86	0	2,35	0		
AML	BM	EDTA	Diagnosis	M	10	0	0	86,17	0	0	6,77	0	0	0	0	0	0	7,05	0	0	0		
AML	BM	heparin	diagnosis	V	50.73	0	0	74,22	0	0	6,84	0	0	0	0	0	0	18,94	0	0	0		
AML	BM	heparin	diagnosis	M	11.50	0	0	83,1	0	0	7,24	0	0	0	0	0	0	9,65	0	0	0		
AML	BM	heparin	diagnosis	M	71	0	0	88,14	0	0	8,3	0	0	0	0	0	0	3,5	0	0,06	0		
AML	BM	EDTA	Diagnosis	M	66	0	0	89,42	0	0	8,31	0	0	0	0	0	0	1,86	0	0,41	0		

Final diagnosis (WHO 2008)	Type of tested sample	type of coagulant	Disease phase	Gender	Age (years)	% Main T	% Main B	% Main Myeloid	% Mixed T/B	% Mixed T/M	% Mixed M/B	% Sector T->B	% Sector T->M	% Sector B->T	% Sector B->M	% Sector M->T	% Sector M->B	% M/T/B	% Unclassified	% Immature
AML	BM	heparin	diagnosis	M	77.81	0	0	80,72	0	0	8,32	0	0	0	0	0	9,44	1,48	0,04	0
AML	BM	heparin	diagnosis	M	75.23	0	0	59,04	0	0	8,56	0	0	0	0	0	31,24	0	1,17	0
AML	BM	heparin	diagnosis	M	7.30	0	0	78,34	0	0	8,74	0	0	0	0	0	12,78	0	0,14	0
AML	BM	EDTA	Diagnosis	M	72	0	0	85,85	0	0	8,78	0	0	0	0	0	5,37	0	0	0
AML	BM	EDTA	Diagnosis	M	74	0	0	78,41	0	0	6,77	0	0	0	0	0	12,36	0	2,47	0
AML	BM	EDTA	Diagnosis	F	0	0	0	85,6	0	0	10,09	0	0	0	0	0	4,31	0	0	0
AML	BM	heparin	diagnosis	M	51.8	0	0	71,67	0	0	11,08	0	0	0	0	0	17,24	0	0,01	0
AML	BM	EDTA	Diagnosis	M	83	0	0	74,22	0	0	11,24	0	0	0	0	0	14,18	0	0,36	0
AML	BM	EDTA	Diagnosis	M	72	0	0	70,05	0	0	11,26	0	0	0	0	0	18,22	0	0,47	0
AML	BM	EDTA	Diagnosis	M	74	0	0	71,56	0	0	13,06	0	0	0	0	0	15,37	0	0,01	0
AML	BM	Heparin	Diagnosis	M	22	0	0	77,43	0	0	14,22	0	0	0	0	0	8,35	0	0,01	0
AML	PB	heparin	diagnosis	M	1.12	0	0	73,69	0	0	15,56	0	0	0	0	0	10,32	0	0,44	0
AML	BM	EDTA	Diagnosis	F	68	0	0	43,61	0	0	16	0	0	0	0	0	40,37	0	0,01	0
MPAL	BM	Heparin	Diagnosis	M	5	0	0	11,09	0	0	18,08	0	0	0	0	0	40,92	0	23,46	6,45
AML	BM	heparin	diagnosis	M	69.30	0	0	35,77	0	0	18,38	0	0	0	0	0	45,2	0	0,65	0
AML	BM	Heparin	Diagnosis	F	17	0	0	57,38	0	0	18,41	0	0	0	0	0	24,14	0	0,07	0
AML	BM	heparin	diagnosis	M	59.2	0	0	72,83	0	0	19,44	0	0	0	0	0	7,71	0	0,01	0
AML	BM	EDTA	Diagnosis	F		0	0	57,55	0	0	18,99	0	0	0	0	0	23,35	0	0,12	0
AML	BM	EDTA	Diagnosis	M	65	0	0	67,62	0	0	23,72	0	0	0	0	0	8,64	0	0,02	0
AML	BM	EDTA	Diagnosis	M	82	0	0	65,69	0	0	25,94	0	0	0	0	0	7,53	0	0,84	0
AML	BM	EDTA	Diagnosis	F	75	0	0	18,93	0	0	26,66	0	0	0	0	0	54,4	0	0,01	0
AML	BM	heparin	diagnosis	F	77.2	0	0	45,38	0	0	28,47	0	0	0	0	0	26,15	0	0,01	0
AML	BM	heparin	diagnosis	M	58.3	0	0	37,03	0	0	29,37	0	0	0	0	0	33,44	0	0,17	0
AML	BM	EDTA	Diagnosis	F	37	0	0	16,36	0	0	35,9	0	0	0	0	0	47,73	0	0,01	0
AML	BM	EDTA	Diagnosis	M	63	0	0	48,04	0	0	39,33	0	0	0	0	0	12,63	0	0,01	0
AML	BM	heparin	diagnosis	F	34.8	0	0	29,97	0	1,37	0	0	0	0	0	56	0	0	3,76	8,91
AML	BM	heparin	diagnosis	V	72.26	0	0	54,44	0	1,5	0	0	0	0	0	24,81	0	0	1,99	17,26
AML	BM	heparin	diagnosis	M	70.11	0	0	94,41	0	1,58	0	0	0	0	0	3,73	0	0	0,27	0
AML	BM	heparin	diagnosis	M	63.87	0	0	95,86	0	1,58	0	0	0	0	0	1,88	0	0	0,68	0
MPAL	BM	heparin	diagnosis	F	51.2	0	0	33,92	0	2,03	0	0	0	0	0	58,62	0	0	2,18	3,25
AML	BM	EDTA	Diagnosis	F	80	0	0	70,37	0	2,12	0	0	0	0	0	13,33	0	0	10,04	4,14
AML	BM	Heparin	Diagnosis	M	76	0	0	93,06	0	2,12	0	0	0	0	0	4,18	0	0	0,65	0
AML	BM	heparin	diagnosis	M	41	0	0	31,74	0	2,17	0	0	0	0	0	58,01	0	0	8,07	0
AML	BM	heparin	diagnosis	M	55.9	0	0	84,2	0	2,18	0	0	0	0	0	9,59	0	0	2,45	1,59
AML	BM	heparin	diagnosis	M	68.6	0	0	93,94	0	2,42	0	0	0	0	0	3,51	0	0	0,12	0
AML	BM	EDTA	Diagnosis	M	77	0	0	44,1	0	3,03	0	0	0	0	0	50,57	0	0	2,3	0
AML	BM	heparin	diagnosis	M	68.7	0	0	92,41	0	3,21	0	0	0	0	0	3,59	0	0	0,79	0
AML	BM	EDTA	Diagnosis	F	57	0	0	91,07	0	3,19	0	0	0	0	0	5,55	0	0	0,19	0
AML	BM	EDTA	Diagnosis	F	83	0	0	87,44	0	4,5	0	0	0	0	0	7,24	0	0	0,82	0
AML	PB	EDTA	Diagnosis	F	68	0	0	91,7	0	6,1	0	0	0	0	0	2,17	0	0	0,03	0
AML	BM	heparin	diagnosis	M	57	0	0	84,7	0	6,47	0	0	0	0	0	6,46	0	1,1	1,27	0
AML	BM	heparin	diagnosis	F	9.71	0	0	28,94	0	6,6	0	0	0	0	0	4,46	0	0	23,64	36,35
AML	PB	heparin	diagnosis	M	75.70	0	0	48,7	0	6,9	0	0	0	0	0	44,36	0	0	0,04	0
AML	BM	heparin	diagnosis	M	1.57	0	0	62,72	0	6,91	0	0	0	0	0	19,04	0	0	0,36	10,98
AML	BM	heparin	diagnosis	M	73.2	0	0	73,32	0	6,96	0	0	0	0	0	19,72	0	0	0	0
AML	BM	Heparin	Diagnosis	M	1	0	0	65,56	0	8,07	0	0	0	0	0	26,37	0	0	0	0
AML	BM	heparin	diagnosis	F	2.44	0	0	53,69	0	9,91	0	0	0	0	0	16,45	0	0	0,27	19,69
AML	BM	heparin	diagnosis	F	77	0	0	84,1	0	10,61	0	0	0	0	0	4,78	0	0	0,51	0
AML	BM	not known	Diagnosis	F	71	0	0	79,52	0	10,95	0	0	0	0	0	9,41	0	0	0,12	0
AML	BM	heparin	diagnosis	M	45	0	0	67,14	0	11,01	0	0	0	0	0	6,78	0	0	13,21	1,86
MPAL	BM	EDTA		M	64	0	0	13,85	0	13,23	0	0	0	0	0	67,03	0	0	1,06	4,84
AML	BM	heparin	diagnosis	F	60.7	0	0	74,31	0	12,48	0	0	0	0	0	13,18	0	0	0,02	0
MPAL	BM	EDTA	Diagnosis	M	49	0	0	72,21	0	15,18	0	0	0	0	0	8,98	0	0	3,63	0

Final diagnosis (WHO 2008)	Type of tested sample	type of coagulant	Disease phase	Gender	Age (years)	% Main T	% Main B	% Main Myeloid	% Mixed T/B	% Mixed T/M	% Mixed M/B	% Sector T->B	% Sector T->M	% Sector B->T	% Sector B->M	% Sector M->T	% Sector M->B	% M/T/B	% Unclassified	% Immature
AML	BM	heparin	diagnosis	M	68.8	0	0	35,03	0	17,89	0	0	0	0	0	47,08	0	0	0	0
AML	BM	heparin	diagnosis	M	53.8	0	0	28,68	0	36,04	0	0	0	0	0	17,01	0	0	0,59	17,68
AML	BM	EDTA	Diagnosis	F	81	0	0	62,9	0	10,64	0	0	0	0	0	22,23	0	1,35	2,88	0
AML	BM	EDTA	Diagnosis	M	44	0	0	17,05	0	19,37	11,05	0	0	0	0	0	44,15	6,44	0,06	1,89
AML	BM	EDTA	Diagnosis	M	76	0	0	77,09	0	2,48	18,33	0	0	0	0	0	2,02	0	0,08	0
B-ALL	BM	EDTA	Diagnosis	M	6	0	85,1	0	0	0	1,34	0	0	0	12,97	0	0	0	0,6	0
B-ALL	BM	not known	Diagnosis	F	6	0	93,17	0	0	0	1,62	0	0	0	5,19	0	0	0	0,02	0
B-ALL	BM	heparin	diagnosis	F	68	0	94,73	0	0	0	1,63	0	0	0	3,64	0	0	0	0,01	0
B-ALL	BM	EDTA	Diagnosis	F	11	0	91,26	0	0	0	2,07	0	0	0	5,25	0	0	0	1,43	0
B-ALL	BM	heparin	diagnosis	M	32	0	69,59	0	0	0	2,21	0	0	0	27,79	0	0	0	0,41	0
B-ALL	BM	EDTA	Diagnosis	M	6	0	88,17	0	0	0	2,57	0	0	0	9,23	0	0	0	0,03	0
B-ALL	BM	Heparin	Diagnosis	F	5	0	84,7	0	0	0	2,64	0	0	0	11,33	0	0	0	1,34	0
B-ALL	BM	EDTA	Diagnosis	M	1	0	89,46	0	0	0	2,7	0	0	0	7,62	0	0	0	0,21	0
B-ALL	PB	EDTA	Diagnosis	M	2	0	68,35	0	0	0	3,11	0	0	0	26,94	0	0	0	1,6	0
B-ALL	BM	not known	Diagnosis	M	6	0	94,78	0	0	0	3,23	0	0	0	1,99	0	0	0	0	0
MPAL	BM	Heparin	Diagnosis	F	12	0	77,42	0	0	0	3,43	0	0	0	19,13	0	0	0	0,02	0
B-ALL	BM	Heparin	Diagnosis	F	10	0	59,79	0	0	0	3,47	0	0	0	36,08	0	0	0	0,67	0
B-ALL	BM	Heparin	Diagnosis	F	2	0	68,57	0	0	0	3,48	0	0	0	19,99	0	0	0	7,96	0
B-ALL	PB	EDTA	Diagnosis	F	73	0	68,32	0	0	0	3,55	0	0	0	24,45	0	0	0	3,68	0
B-ALL	PB	not known	Diagnosis	F	33	0	95,25	0	0	0	3,92	0	0	0	0	0	0	0	0,83	0
B-ALL	BM	EDTA	Diagnosis	F	5	0	94,38	0	0	0	3,93	0	0	0	1,47	0	0	0	0,22	0
B-ALL	BM	EDTA	Diagnosis	M	17	0	78,74	0	0	0	4,6	0	0	0	15,92	0	0	0	0,74	0
B-ALL	PB	EDTA	Diagnosis	M	2	0	86,62	0	0	0	4,69	0	0	0	8,69	0	0	0	0	0
B-ALL	BM	heparin	diagnosis	M	10.52	0	48,88	0	0	0	5,02	0	0	0	16,22	0	0	0	5,64	24,23
B-ALL	BM	EDTA	Diagnosis	F	67	0	19,23	0	0	0	5,08	0	0	0	69,59	0	0	0	6,1	0
B-ALL	BM	EDTA	Relapse	M	6	0	92,25	0	0	0	5,09	0	0	0	2,64	0	0	0	0,02	0
B-ALL	BM	heparin	diagnosis	M	56	0	89,68	0	0	0	5,19	0	0	0	4,99	0	0	0	0,13	0
B-ALL	BM	heparin	diagnosis	F	73	0	72,54	0	0	0	5,86	0	0	0	21,35	0	0	0	0,25	0
B-ALL	BM	heparin	diagnosis	M	73	0	88,12	0	0	0	5,9	0	0	0	5,85	0	0	0	0,13	0
B-ALL	BM	EDTA	Diagnosis	M	13	0	59,64	0	0	0	6,56	0	0	0	32,43	0	0	0	1,36	0
B-ALL	BM	EDTA	Diagnosis	F	7	0	88,24	0	0	0	6,94	0	0	0	4,76	0	0	0	0,06	0
B-ALL	BM	EDTA	Diagnosis	F	4	0	86,63	0	0	0	7,74	0	0	0	5,63	0	0	0	0,01	0
B-ALL	BM	Heparin	Diagnosis	F	2	0	86,43	0	0	0	9,61	0	0	0	1,87	0	0	0	2,09	0
B-ALL	BM	heparin	diagnosis	M	55	0	52,04	0	0	0	10,43	0	0	0	28,26	0	0	0	2,53	6,74
B-ALL	BM	Heparin	Diagnosis	F	2	0	81,06	0	0	0	12,54	0	0	0	6,4	0	0	0	0,01	0
B-ALL	BM	EDTA	Diagnosis	F	44	0	60,83	0	0	0	13,66	0	0	0	14,28	0	0	11,22	0,01	0
MPAL	BM	Heparin	Diagnosis	F	12	0	11,78	0	0	0	14,37	0	0	0	73,74	0	0	0	0,11	0
B-ALL	BM	Heparin	Relapse	M	6	0	52,26	0	0	0	16,45	0	0	0	30,62	0	0	0	0,67	0
B-ALL	BM	heparin	diagnosis	M	62	0	66,11	0	0	0	17,05	0	0	0	13,29	0	0	0	1,31	2,23
B-ALL	BM	Heparin	Diagnosis	M	3	0	57,98	0	0	0	18,54	0	0	0	23,43	0	0	0	0,05	0
B-ALL	PB	EDTA	Diagnosis	F	79	0	49,22	0	0	0	22,68	0	0	0	19,27	0	0	0	0,45	8,38
MPAL	BM	heparin	diagnosis	F	25	0	11,96	0	0	0	23,54	0	0	0	64,28	0	0	0	0,21	0
B-ALL	BM	Heparin	Diagnosis	M	7	0	65,3	0	0	0	23,64	0	0	0	10,99	0	0	0	0,07	0
B-ALL	BM	heparin	diagnosis	F	67	0	28,38	0	0	0	28,65	0	0	0	41,48	0	0	0	1,49	0
B-ALL	BM	Heparin	Diagnosis	F	76	0	52,28	0	0	0	29,99	0	0	0	17,71	0	0	0	0,02	0
B-ALL	BM	not known	Diagnosis	M	1	0	19,87	0	0	0	34,07	0	0	0	45,89	0	0	0	0,16	0
B-ALL	PB	EDTA	Relapse	F	63	0	21,96	0	0	0	36,65	0	0	0	14,12	0	0	0	0	27,27
B-ALL	BM	Heparin	Diagnosis	F	79	0	49,67	0	0	0	37,19	0	0	0	0	0	13,03	0	0,1	0
B-ALL	BM	heparin	diagnosis	M	62	0	51,75	0	0	0	44,39	0	0	0	0	0	3,86	0	0	0
B-ALL	BM	Heparin	Diagnosis	M	2	0	91,58	0	1,34	0	0	0	0	6,42	0	0	0	0	0,66	0
B-ALL	BM	heparin	diagnosis	M	55	0	53,3	0	6,35	0	0	0	0	40,35	0	0	0	0	0	0
B-ALL	BM	Heparin	Diagnosis	M	11	0	71,85	0	21,28	0	0	0	0	0	0	0	0	0	6,88	0
B-ALL	BM	EDTA	Diagnosis	F	1	0	33,78	0	7,26	0	15,63	0	0	0	43,28	0	0	0	0,03	0

Final diagnosis (WHO 2008)	Type of tested sample	type of coagulant	Disease phase	Gender	Age (years)															
						% Main T	% Main B	% Main Myeloid	% Mixed T/B	% Mixed T/M	% Mixed M/B	% Sector T->B	% Sector T->M	% Sector B->T	% Sector B->M	% Sector M->T	% Sector M->B	% M/T/B	% Unclassified	% Immature
T-ALL	BM	Heparin	Diagnosis	M	8	65,98	0	0	0	1,12	0	0	31,99	0	0	0	0	0	0,91	0
T-ALL	BM	EDTA	Diagnosis	F	39	92,03	0	0	0	1,89	0	0	6,06	0	0	0	0	0	0,02	0
T-ALL	BM	EDTA	Diagnosis	M	31	89,3	0	0	0	2,29	0	0	8,4	0	0	0	0	0	0,01	0
T-ALL	BM	Heparin	Diagnosis	F	17	64,78	0	0	0	3,31	0	0	31,18	0	0	0	0	0	0,74	0
T-ALL	BM	EDTA	Diagnosis	M	12	83,15	0	0	0	5,83	0	0	10,9	0	0	0	0	0	0,11	0
T-ALL	BM	EDTA	Diagnosis	M	6	16,11	0	0	0	7,27	0	0	75,98	0	0	0	0	0	0,64	0
T-ALL	BM	EDTA	Diagnosis	M	27	59,23	0	0	0	9,05	0	0	24,72	0	0	0	0	0	4,21	2,79
T-ALL	BM	heparin	diagnosis	M	39.5	90,66	0	0	1,61	0	0	7,72	0	0	0	0	0	0	0,02	0
T-ALL	BM	EDTA	Diagnosis	M	10	56,31	0	0	9,39	0	0	33,02	0	0	0	0	0	0	1,28	0
T-ALL	BM	Heparin	Diagnosis	M	17	27,37	0	0	12,17	0	0	59,78	0	0	0	0	0	0	0,68	0
MPAL	BM	Heparin	Diagnosis	M	7	35,62	0	0	34,88	5,9	0	23,13	0	0	0	0	0	0	0,46	0
MPAL	BM	EDTA	Diagnosis	M	13	30,02	0	0	47,53	0	0	0	0	0	0	0	0	0	22,45	0

Supplemental Table 5. Details of atypical cases

Final diagnosis (WHO 2008)	Type of tested		Disease phase	Gender	Age (years)	% Main T	% Main B	% Main Myeloid	% Mixed T/B	% Mixed T/M	% Mixed M/B	% Sector T->B	% Sector T->M	% Sector B->T	% Sector B->M	% Sector M->T	% Sector M->B	% M/T/B	% Unclassified	% Immature
	sample	type of coagulant																		
T-ALL	PB	EDTA	Relapse	F	22	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0
T-ALL	PB	EDTA	Diagnosis	M	62	0	0	0	0	5,67	0	0	0	0	0	85,82	0	0	0	8,51
MPAL	BM	EDTA	Diagnosis	M	0	0	0	1,97	0	0	6,52	0	0	0	0	0	17,92	73,58	0,01	0
MPAL	BM	Heparin	Diagnosis	F	10	0	0	5,05	0	5,51	0	0	0	0	9,85	0	0	70,97	8,62	
AML	BM	heparin	diagnosis	M	2.45	0	0	7,11	0	5,59	0	0	0	0	9,49	0	0	75,13	2,68	
B-ALL	BM	heparin	diagnosis	F	49	0	3,39	0	0	0	16,19	0	0	0	15,64	0	0	0	16,64	48,13
T-ALL	BM	Heparin	Diagnosis	M	37	3,37	0	0	0	22,85	0	0	72,46	0	0	0	0	0	1,32	0
T-ALL	BM	EDTA	Diagnosis	M	54	7,59	0	0	0	7,87	0	0	79,14	0	0	0	0	0	3,58	1,82
MPAL	BM	EDTA	Diagnosis	M	29	1,25	0	0	70,17	0	0	0	0	0	0	0	0	0	28,58	0

Supplemental Table 5. Details of mixed lineage cases

Final diagnosis (WHO 2008)	Type of tested sample	type of coagulant	Disease phase	Gender	Age (years)	% Main T	% Main B	% Main Myeloid	% Mixed T/B	% Mixed T/M	% Mixed M/B	% Sector T->B	% Sector T->M	% Sector B->T	% Sector B->M	% Sector M->T	% Sector M->B	% M/T/B	% Unclassified	% Immature
B-ALL	BM	EDTA	Diagnosis	F	52	0	84,59	1,02	0	0	10,15	0	0	0	4,24	0	0	0	0	0
MPAL	BM	Heparin	Diagnosis	F	9	0	58,67	1,04	0	0	31,38	0	0	0	8,29	0	0	0	0,63	0
B-ALL	BM	EDTA	Diagnosis	F	4	0	90,46	1,11	6,21	0	0	0	0	0	0	0	0	0	2,22	0
B-ALL	BM	heparin	diagnosis	M	45	0	48,36	4,19	13,81	0	20,94	0	0	0	10,32	0	0	0	0	2,38
MPAL	BM	Heparin	Diagnosis	M	14	0	40,1	5,86	0	0	39,59	0	0	0	0	0	14,3	0	0,15	0
MPAL	BM	EDTA	Diagnosis	F	9	0	32,05	7,9	0	0	19,84	0	0	0	0	0	38,05	0	1,09	1,07
MPAL	BM	EDTA	Diagnosis	F	8	0	71,59	8,69	0	0	16,77	0	0	0	2,8	0	0	0	0,15	0
B-ALL	BM	EDTA	Diagnosis	F	19	0	26,93	13,74	0	0	48,86	0	0	0	0	0	10,04	0	0,42	0
MPAL	BM	EDTA	Diagnosis	F	not known	0	36,52	15,93	0	0	20,97	0	0	0	21,47	0	0	0	2,84	2,27
MPAL	BM	Heparin	Diagnosis	F	0	0	62,01	16,78	10,27	0	0	0	0	9,63	0	0	0	0	1,31	0
MPAL	BM	Heparin	Diagnosis	M	5	0	7,03	21,66	0	29,18	0	0	0	0	0	8,97	0	0	0,33	32,83
MPAL	BM	EDTA	Diagnosis	F	6	0	68,15	25,5	0	0	3,85	0	0	0	2,5	0	0	0	0	0
MPAL	BM	Heparin	Diagnosis	F	38	0	51,16	35,54	0	0	11,6	0	0	0	1,69	0	0	0	0,01	0
MPAL	BM	Heparin	Diagnosis	M	14	0	3,54	38,46	0	0	22,25	0	0	0	0	0	30,43	0	4,06	1,26
MPAL	BM	Heparin	Diagnosis	M	67	0	4,16	43,87	0	0	19,2	0	0	0	0	0	22,35	0	8,23	2,19
MPAL	BM	EDTA	Diagnosis	M	52	0	4,79	52,29	0	0	18,39	0	0	0	0	0	20,41	0	0,62	3,5
AML	BM	heparin	diagnosis	M	62.77	0	7,11	61,48	0	0	22,78	0	0	0	8,21	0	0	0	0,43	0
MPAL	PB	EDTA	Diagnosis	M		0	14,19	65,27	0	0	9,59	0	0	0	0	0	9,44	0	1,52	0
MPAL	PB	EDTA	Diagnosis	F	0	0	29,89	67,22	0	0	0	0	0	0	0	0	0	0	2,89	0
MPAL	BM	Heparin	Diagnosis	F	13	0	13,05	70,3	0	0	10,68	0	0	0	0	0	5,94	0	0,03	0
MPAL	BM	Heparin	Diagnosis	F	17	0	3,25	78,85	0	0	1,53	0	0	0	0	0	15,19	0	1,18	0
AML	BM	heparin	diagnosis	V	56.34	0	3,3	78,94	0	0	6,15	0	0	0	0	0	11,61	0	0	0
AML	BM	heparin	diagnosis	M	15.81	1,04	0	71,31	0	16,51	0	0	0	0	0	11,13	0	0	0	0
AML	BM	heparin	diagnosis	M	45.7	1,12	0	55,25	0	0	0	0	0	0	0	0	0	0	40,48	3,14
AML	BM	EDTA	Diagnosis	F	69	1,17	0	77,02	0	8,6	0	0	0	0	0	10,01	0	0	0,46	2,74
MPAL	PB	Heparin	Diagnosis	M	62	1,23	0	64,75	0	16,26	0	0	0	0	0	10,43	0	0	0,19	7,14
MPAL	BM	EDTA	Diagnosis	F	11	1,27	0	86,26	0	0	0	0	0	0	0	0	0	0	10,65	1,82
AUL	BM	EDTA	Diagnosis	M	72	1,34	0	26,65	0	16,48	15,86	0	0	0	0	0	35,41	4,26	0,01	0
MPAL	BM	EDTA	Relapse	M	13	1,35	0	3,78	0	18,93	10,56	0	0	0	0	0	59,7	5,21	0,47	0
AML	BM	heparin	diagnosis	V	59.43	1,41	0	90,73	0	4,12	0	0	0	0	0	2,45	0	0	0,26	1,02
AML	PB	not known	Diagnosis	M	0	1,71	0	83,55	0	0	0	0	0	0	0	0	0	0	14,74	0
AML	BM	heparin	diagnosis	F	48.9	1,74	0	77,23	0	4,87	0	0	0	0	0	4,12	0	10,72	1,32	0
MPAL	BM	EDTA	Diagnosis	not known	not known	1,99	0	22,57	0	24,62	0	0	0	0	0	37,83	0	0	0,62	12,38
AML	BM	EDTA	Diagnosis	M	71	2,42	0	83,11	0	6,06	0	0	7,24	0	0	0	0	0	1,17	0
AML	BM	EDTA	Diagnosis	F	64	2,23	0	85,5	0	0	0	0	0	0	0	0	0	0	10,33	1,93
AML	PB	heparin	diagnosis	F	76.5	2,35	0	53,9	0	23,36	2,37	0	0	0	0	15,42	0	1,66	0,93	0
AML	PB	heparin	diagnosis	F	1.57	2,5	0	7,4	0	35,1	0	0	0	0	0	52,34	0	0	0,16	2,49
MPAL	PB	EDTA	Diagnosis	F	30	2,79	0	35,44	0	17,72	3,72	0	0	0	0	35,58	1,76	0	1,27	1,72
AML	BM	heparin	diagnosis	M	75.1	3,04	0	10,13	0	53,16	0	0	0	0	0	9,03	0	0	0,73	23,91
MPAL	BM	EDTA	Diagnosis	M	17	4,36	0	84,32	0	3,1	0	0	8,23	0	0	0	0	0	0	0
AML	PB	heparin	diagnosis	M	2.67	4,57	0	67,84	0	11,22	0	0	0	0	0	16,22	0	0	0,15	0
MPAL	BM	EDTA	Diagnosis	F	54	5,2	0	36,85	0	25,59	0	0	22,66	0	0	0	0	0	0,8	8,91
MPAL	BM	Heparin	Relapse	M	7	6,16	0	67,14	0	8,45	0	0	18,13	0	0	0	0	0	0,13	0
AML	PB	EDTA	Diagnosis	M	81	7,62	0	7,17	0	16,46	0	0	68,76	0	0	0	0	0	0	0
AML	BM	heparin	diagnosis	M	75.81	7,93	0	80,99	0	6,35	0	0	0	0	0	3,44	0	1,28	0,01	0
AML	BM	Heparin	Diagnosis	F	69	7,97	0	61,08	0	5,77	0	0	0	0	0	25,12	0	0	0,06	0
MPAL	BM	heparin	diagnosis	M	69.4	9,34	0	51,15	0	6,5	12,25	0	0	0	0	0	18,67	2,07	0,02	0

Final diagnosis (WHO 2008)	Type of tested sample	type of coagulant	Disease phase	Gender	Age (years)	% Main T	% Main B	% Main Myeloid	% Mixed T/B	% Mixed T/M	% Mixed M/B	% Sector T->B	% Sector T->M	% Sector B->T	% Sector B->M	% Sector M->T	% Sector M->B	% M/T/B	% Unclassified	% Immature
MPAL	BM	EDTA	Diagnosis	F	37	9,96	0	8,31	30,92	0	0	48,08	0	0	0	0	0	0	2,73	0
AML	BM	Heparin	Diagnosis	M	10	10,82	0	77,52	0	5,14	0	0	6,24	0	0	0	0	0	0,28	0
AML	BM	heparin	diagnosis	M	54.0	13,63	0	72,4	4,23	3,75	0	0	5,91	0	0	0	0	0	0,07	0
AML	BM	heparin	diagnosis	F	11	14,05	0	54,86	10,99	11,87	0	0	8,23	0	0	0	0	0	0	0
AML	BM	Heparin	Diagnosis	M	14	18,62	0	11,81	0	41,17	0	0	16,59	0	0	0	0	0	1,03	10,78
AML	BM	heparin	diagnosis	M	45.34	23,97	0	3,25	31,49	0	0	41,17	0	0	0	0	0	0	0,12	0
MPAL	BM	Heparin	Diagnosis	M	13	24,73	0	12,16	36,56	3,65	0	21,99	0	0	0	0	0	0	0,91	0
MPAL	BM	EDTA	Diagnosis	M	61	41,15	0	56,63	0	0	0	0	0	0	0	0	0	0	2,22	0
MPAL	BM	Heparin	Diagnosis	M	10	41,83	0	1,37	0	26,28	0	0	16,25	0	0	0	0	0	2,19	12,08
MPAL	BM	EDTA	Diagnosis	M	35	46,1	0	7	15,36	3,4	0	20,08	1,02	0	0	0	0	0	0,17	6,89
T-ALL	BM	EDTA	Diagnosis	F	35	51,9	0	1,47	0	8,96	0	0	9,87	0	0	0	0	0	1,95	25,85
MPAL	BM	EDTA	Diagnosis	M	4	53,26	0	43,15	0	0	0	0	0	0	0	0	0	0	3,6	0
T-ALL	BM	Heparin	Diagnosis	M	3	59,67	0	1,04	0	17,97	0	0	17,21	0	0	0	0	0	4,1	0
MPAL	BM	Heparin	Diagnosis	F	7	62,21	0	35,32	0	0	0	0	0	0	0	0	0	0	2,47	0
MPAL	BM	EDTA	Diagnosis	M	73	63,06	0	34,28	0	0	0	0	0	0	0	0	0	0	2,67	0
MPAL	BM	heparin	diagnosis	F	63.8	68,09	0	14,5	16,39	0	0	0	0	0	0	0	0	0	1,02	0
T-ALL	BM	EDTA	Diagnosis	F	24	70,16	0	3,12	0	3,99	0	0	22,68	0	0	0	0	0	0,05	0
AML	BM	heparin	diagnosis	M	56.2	73,19	0	21,47	0	0	0	0	0	0	0	0	0	0	5,34	0
MPAL	BM	EDTA	Diagnosis	M		80,98	0	12,2	0	1,78	0	0	4,95	0	0	0	0	0	0,1	0
MPAL	BM	Heparin	Diagnosis	M	11	85,93	0	1,18	5,92	0	0	6,78	0	0	0	0	0	0	0,19	0
MPAL	BM	Heparin	Diagnosis	M	14	93,34	0	3,87	0	0	0	0	0	0	0	0	0	0	2,8	0
MPAL	BM	EDTA	Diagnosis	F	16	7,11	12,01	35,96	0	19,67	8,67	0	0	0	0	6,91	5,7	0	2,89	1,08

Supplemental Table 5. Additional immunophenotypic information and review of selected cases

Category	Initial diagnosis	Gender	Age years	% Main			% Mixed			Diagnosis after review	Additional immunophenotype <sup>a</sup>
				% Main T	% Main B	% Main Myeloid	% Mixed T/B	% Mixed T/M	% Mixed M/B		
typical	MPAL	F	68	0	0	71,72	0	0	0	AML with aberrant B-markers	MPO+/weak CD19+/part or weak CyCD79a+/CD10-/CD22-
typical	MPAL	M	11	0	0	79,7	0	0	0	AML with aberrant B-markers	MPO+/weak CD19+/part or weak CyCD79a+/CD10-/CD22-
typical	MPAL	not known	not known	0	80,93	0	0	0	0	B-ALL (weak MPO+)	CD19+/CyCD79a+/weak MPO+/CD10-/TdT-/CD22+/CD117-/CD13-/weak CD33+
typical	MPAL	M	12	0	97,72	0	0	0	0	B-ALL (weak MPO+)	CD19+/CyCD79a+/ weak MPO+/CD10-/TdT+/CD22+/CD117-/CD13-/CD33-
B/T/M+mix<10%	MPAL	F	50,1	0	0	56,12	0	0	5,58	MPAL	major myeloid population, small (<10%) B population
B/T/M+mix<10%	MPAL	F	51,2	0	0	33,92	0	2,03	0	MPAL	CD34+/CD117+/HLA-DR+/MPO+/CD13+/CD33+/CD15+/part CD19+/part CyCD79a+/CD10-/CD22-/CD7+
B/T/M+mix<10%	MPAL	F	12	0	77,42	0	0	0	3,43	B-ALL (weak MPO+)	CD10+/CD13-/CD19+/CD22+/CD33-/CD34-/CD117-/CyCD79a+/MPOweak+/TdT+
B/T/M+mix>10%	MPAL	M	5	0	0	11,09	0	0	18,08	AML (t(8;21))	CD10-/CD13+/CD15+/CD19+/CD22-/CD33+/CD34+/HLA-DR+/CyCD79-/CD117+/MPO+/TdT-
B/T/M+mix>10%	MPAL	M	64	0	0	13,85	0	13,23	0	MPAL	NA
B/T/M+mix>10%	MPAL	M	49	0	0	72,21	0	15,18	0	AML	NA
B/T/M+mix>10%	MPAL	F	12	0	11,78	0	0	0	14,37	MPAL (IKZF1del)	CD10+/CD13 weak+/CD19+/CD20partly+/CD22+/CD33-/CD34partly+/CD117-/CyCD79+/HLA-DR+/MPO+/TdT+
B/T/M+mix>10%	MPAL	F	25	0	11,96	0	0	0	23,54	MPAL	CD19+/CyCD79a+/MPO+/CD10+/CD22+/part CD34+/Cymu+/TdT+/weak CD33+/CD13-/CD20-
B/T/M+mix>10%	MPAL	M	7	35,62	0	0	34,88	5,9	0	MPAL	CD34-/CD117weak+/TdT-/CD19weak+/CD10-/CyCD79a partly+/CyCD3weak+/CD4-/CD5-/CD7+/CD8-
B/T/M+mix>10%	MPAL	M	13	30,02	0	0	47,53	0	0	MPAL	CD19part+/cyCD79a part+/CD34+/CD7+/cyCD3+/CD3-/TdT+/CD10dim/CD22-/CD117part dim/CD2-/CD5dim/CD1a-/CD4-/CD8-
Atypical	MPAL	M	0	0	0	1,97	0	0	6,52	T-ALL with aberrant B-markers	CD19dim/cyCD79a+/CD34+/CD7+/cyCD3+/CD3-TdTdim/CD10-/CD2+/CD5dim/CD1a-/CD4-/CD8-
Atypical	MPAL	F	10	0	0	5,05	0	5,51	0	MPAL	CD2+/CyCD3weak+/CD3-/CD4-/CD5+/CD7+/CD8-/CD10-/CD13weak+/CD33+/CD34+/CD117+/MPOpartly+/TdT-/
Atypical	MPAL	M	29	1,25	0	0	70,17	0	0	NA	NA
Mixed	B-ALL	F	52	0	84,59	1,02	0	0	10,15	B-ALL	CD19+/CD79a+/CD10+/CD34+/Cymu+/CD13+/CD33+/MPO-
Mixed	B-ALL	F	4	0	90,46	1,11	6,21	0	0	B-ALL (hyperdiploid)	CD19het/cyCD79a+/CD34+/MPO-/CD10+TdT+/CD22+/CD13-/CD33-/CD117-
Mixed	B-ALL	M	45	0	48,36	4,19	13,81	0	20,94	B-ALL (t(9;22))	CD19+/CyCD79a-/small part CD22+/part CD10+/CyCD3-/MPO-/het CD34+/TdT+/CD13-/CD33-
Mixed	B-ALL	F	19	0	26,93	13,74	0	0	48,86	B-ALL (MLL-AF1P)	CD34-/CD19+/CD7-/CyCD3-/weak CyCD79a+/CD10-/weak CD22+/TdT+/CD13-/CD33-/NG2+
Mixed	AML	M	62,77	0	7,11	61,48	0	0	22,78	AML	weak CD45+/CD34+/CD117+ /HLA-DR+ /CD133+/CD13+ /CD33+ /het CD19+ /CD4+ /weak MPO+ /part cyCD79a+
Mixed	AML	V	56,34	0	3,3	78,94	0	0	6,15	AML (7q-)	CD34+/CD117+/weak CD45+ /HLA-DR+/CD13+/het CD33+ /TdT+ /MPO-/cyCD79a-
Mixed	AML	M	15,81	1,04	0	71,31	0	16,51	0	AML (+8)	CD34-/CD117+/CD13+/CD33+/CD38+/CD7+/MPO-/part HLA-DR+/weak CD4+/part CD36+/part CD11b+
Mixed	AML	M	45,7	1,12	0	55,25	0	0	0	AML	CD34+/CD117+/HLA-DR+ /part TdT+/CD13+/part CD56+ /het CD33+/part CD7+/CD22+/small part MPO+/cyCD79a-/cyCD3-
Mixed	AML	F	69	1,17	0	77,02	0	8,6	0	AML	NA
Mixed	AML	V	59,43	1,41	0	90,73	0	4,12	0	AML (-5)	CD34+/CD117+/HLADR+/weak CD45+/part MPO+/CyCD3-/CD19-/CD13+/CD33+/part CD7+/part CD56+
Mixed	AML	M	0	1,71	0	83,55	0	0	0	TMD (Down)	part CD34+/CD117+/weak CD45+/HLADR+/CD36+/CD64-/het CD42b+/CD13-/CD33+/MPO-/CD7+/weak CD4+
Mixed	AML	F	48,9	1,74	0	77,23	0	4,87	0	AML (EV11)	CD34+/CD117+/weak CD45+/CD13+/CD33+/part CD7+/part MPO+/part CD15+/part CD64+
Mixed	AML	M	71	2,42	0	83,11	0	6,06	0	AML	NA
Mixed	AML	F	64	2,23	0	85,5	0	0	0	unknown (AML or MPAL T/M?)	NA
Mixed	AML	F	76,5	2,35	0	53,9	0	23,36	2,37	AML (EV11)	CD34+/weak CD45+/MPO-/CyCD79a-/CD7+/CyCD3-/CD13+/part CD117+/CD33+/HLA-DR+/CD11b+
Mixed	AML	F	1,57	2,5	0	7,4	0	35,1	0	AML (Down)	CD34+/CD117+/CD19-/CyCD3-/MPO-/part CD13+/HLADR-/weak CD45+/CD33+/CD36+/CD11b+/CD41+/CD42b+/CD61.42+
Mixed	AML	M	75,1	3,04	0	10,13	0	53,16	0	AML	CD34+/CD117+/weak CD45+/CD13+/het CD33+/strongCD7+/CD15+/MPO-/CyCD3-/CyCD79a-
Mixed	AML	M	2,67	4,57	0	67,84	0	11,22	0	AML (Down)	part CD34+/CD117+/weak CD45+/MPO-/part CD33+/CD36+/CD42.CD61+/part CD56+/part CD7+
Mixed	AML	M	81	7,62	0	7,17	0	16,46	0	AML	NA
Mixed	AML	M	75,81	7,93	0	80,99	0	6,35	0	AML	part CD34+/CD117+/HLADR+/weak CD45+/small part MPO+/CD13+/CD33-/CD7+/CD56-
Mixed	AML	F	69	7,97	0	61,08	0	5,77	0	BPDCN	part CD34+/part CD7+/CyCD3-/CD19-/CyCD79a-/MPO-/small part CD117+/CD13+/CD33-/HLADR+/CD36+/CD123+/CD22+/CD4+
Mixed	AML	M	10	10,82	0	77,52	0	5,14	0	BPDCN	CyCD3weak+/CD3-/CD7+/CD34+/MPO-/TdT+/CD5-/CD10-/CD2-/CD117-/CD4+/CD8+/CD33+/HLA-DR+/CD123+/CD13-/CD36+
Mixed	AML	M	54,0	13,63	0	72,4	4,23	3,75	0	AML	CD34+/CD117+/MPO-/CD13+/CD33+/CyCD3-/CD19-/CD7+/HLADR+/part CD11b+



Category	Initial diagnosis	Gender	Age years	% Main			% Mixed	% Mixed	% Mixed	Diagnosis after review	Additional immunophenotype <sup>a</sup>
				% Main T	% Main B	Myeloid	T/B	T/M	M/B		
Mixed	AML	F	11	14,05	0	54,86	10,99	11,87	0	AML (M0; MLL)	CD34+/CD117+/weak CD45+/HLADR-/CyCD3-/CD19-/MPO-/CD7+/CD13-/CD33-/weak CD11b+
Mixed	AML	M	14	18,62	0	11,81	0	41,17	0	AML (M0; MLL)	CD34+/part CD117+/part HLADR+/MPO-/weak CD19+/CyCD3-/CD10-/CD22-/CyCD79a-/CD13-/part CD33+/CD7+/part TdT+
Mixed	AML	M	45.34	23,97	0	3,25	31,49	0	0	B-ALL / MPAL?	CD34-/CD117-/HLA-DR+/part TdT+/CD13-/part CD33+/CD7+/weak CD19+/part CD5+/MPO-/weak cyCD79a+/CyCD3-
Mixed	T-ALL	F	35	51,9	0	1,47	0	8,96	0	T-ALL	CyCD3+/SmCD3-/MPO-/CD19-/CD34+/CD7+/TdT-/CD2-/CD13+/CD5+/CD4-/CD8-/CD33+/HLADR-/CD1a-/CD10-
Mixed	T-ALL	M	3	59,67	0	1,04	0	17,97	0	T-ALL	CyCD3+/SmCD3-/CD1a+/CD2+/CD34-/weak CD7+/CD45+/part weak TdT+/CD10-/part CD8+/CD4+/CD5+
Mixed	T-ALL	F	24	70,16	0	3,12	0	3,99	0	ETP-ALL	CyCD3+/SmCD3-/CD5-/CD7+/CD2-/CD34+/CD45RA+/CD13+/CD1a-/CD4-/CD8-/TCR-
Mixed	AML	M	56.2	73,19	0	21,47	0	0	0	AML	CD34+/CD117+/weak CD45+/HLADR+/part MPO+/part CyCD3+/CD13+/CD33-/part CD15+/CD2+/CD7+/TdT+/CD5-

<sup>a</sup> Abbreviations: NA=not available; het=heterogeneous; part=partially.