Appendices

Appendix 1: Discovery cohort pre-AML and control sample information

Sample	Group	Age at sampling (years)	Follow-up (years)	Gender
EPIC_0001	Control	58.6	14.9	male
EPIC_0002	Control	55.2	14.7	male
EPIC_0003	Control	60.8	14.1	female
EPIC_0004	Control	62.2	14.1	female
EPIC_0005	pre-AML	62.9	0.6	female
EPIC_0006	pre-AML	60.8	10.9	female
EPIC_0007	Control	62.6	14.1	female
EPIC_0008	Control	62.4	14	female
EPIC_0009	Control	62.4	14	female
EPIC_0010	Control	55.3	14.5	female
EPIC_0011	Control	55	14.4	female
EPIC_0012	Control	51.4	13	male
EPIC_0013	Control	52	13	male
EPIC_0014	pre-AML	55.8	12.4	female
EPIC_0015	pre-AML	46.5	12.1	female
EPIC_0016	Control	49.1	13.8	female
EPIC_0017	Control	46	13.7	female
EPIC_0018	Control	46.8	13.7	female
EPIC_0020	Control	46.2	13.7	female
EPIC_0021	Control	56.1	14.7	male
EPIC_0022	Control	57.1	13.6	female
EPIC_0023	Control	41.1	13.1	female
EPIC_0024	Control	41.6	9.1	female
EPIC_0025	Control	41.7	12.9	female
EPIC_0026	Control	41.6	12.9	female
EPIC_0027	Control	63.7	8.2	female
EPIC_0028	Control	63.7	12.7	female
EPIC_0029	Control	50	13.5	female
EPIC_0030	Control	49.8	13.3	female
EPIC_0031	Control	57.3	12	male
EPIC_0032	Control	57.9	12	male
EPIC_0033	Control	62.3	11.8	female
EPIC_0034	Control	55	14.7	male
EPIC_0035	Control	55.4	14.7	male
EPIC_0036	Control	55.7	14.7	male
EPIC_0037	pre-AML	55.8	3.2	male
EPIC_0038	Control	49.5	13.7	female
EPIC_0039	Control	58.2	14.2	female
EPIC_0040	pre-AML	58.5	10	female
EPIC_0041	Control	58.7	14.1	female
EPIC_0042	Control	59.3	14.1	male
EPIC_0043	Control	58.1	14.1	female
EPIC_0044	pre-AML	58.3	8.3	male
EPIC_0045	Control	58.7	12.8	male
EPIC_0046	Control	54.3	14	male
EPIC_0047	pre-AML	54	2.8	male
EPIC_0048	Control	55	13.9	male
EPIC_0049	Control	50.4	13.8	male
EPIC_0050	Control	50.2	13.7	male
EPIC_0051	pre-AML	50.2	6	male
EPIC_0052	Control	50.6	13.5	male
EPIC_0053	Control	63.8	7.6	female
EPIC_0054	Control	51.1	12.6	male
EPIC_0055	Control	48.1	12.5	male
EPIC_0056	Control	55.6	14.2	female
EPIC_0057	Control	55.5	14.2	female
EPIC_0058	Control	58.6	14	male
EPIC_0059	Control	64.2	9.3	male
EPIC_0060	Control	64.3	8.6	male
EPIC_0061	Control	64.8	9.9	male
EPIC_0062	pre-AML	64.9	1.8	male
EPIC_0063	Control	49.1	13.7	female
EPIC_0064	pre-AML	57.2	3.9	female
EPIC_0065	Control	57.8	13.4	female
EPIC_0066	Control	57.7	10.4	female
EPIC_0067	pre-AML	66.5	10.7	female
EPIC_0068	Control	60.8	13.8	female
EPIC_0069	Control	73.8	13.7	female
EPIC_0070	Control	60.4	13.6	female
EPIC_0071	Control	49.5	13.2	male
EPIC_0072	Control	48.8	12.5	male
EPIC_0073	Control	55.9	12.1	female
EPIC_0074	Control	55.1	12.1	female
EPIC_0075	pre-AML	56	5.8	female
EPIC_0076	Control	63.4	12.5	female
EPIC_0077	Control	56.9	14.3	male
EPIC_0078	Control	56.5	14.3	male
EPIC_0079	Control	56.6	14.2	male
EPIC_0080	Control	52.6	14.2	male
EPIC_0081	pre-AML	52.6	8.8	male
EPIC_0082	Control	52.2	14.1	male
EPIC_0083	Control	52.8	14.1	male

EPIC_0084	Control	55.7	12	female
EPIC_0085	Control	48.5	11.9	female
EPIC_0086	Control	59.6	11.8	female
EPIC_0087	pre-AML	48.9	8.4	female
EPIC_0088	Control	59.3	11.8	female
EPIC_0089	Control	59.4	11.7	female
EPIC_0090	Control	48.6	11.7	female
EPIC_0091	Control	48.9	11.7	female
EPIC_0092	Control	64.6	11.8	male
EPIC_0093	Control	57	12.9	male
EPIC_0094	Control	56.3	12.9	male
EPIC_0095	Control	52.9	12.9	female
EPIC_0096	pre-AML	56.7	12	male
EPIC_0097	Control	56.9	12.6	male
EPIC_0098	Control	55.4	12.6	male
EPIC_0099	pre-AML	56.2	7.7	female
EPIC_0100	Control	56.2	12.8	female
EPIC_0101	Control	52.7	12.8	female
EPIC_0102	Control	52.7	12.7	female
EPIC_0103	Control	53	12.4	female
EPIC_0104	Control	52.2	12.4	female
EPIC_0105	Control	56	12.5	male
EPIC_0106	Control	55.4	12.4	male
EPIC_0107	Control	73.9	10.7	female
EPIC_0108	Control	66.1	13.6	female
EPIC_0109	Control	66	13.6	female
EPIC_0110	Control	66.2	11.4	female
EPIC_0111	Control	70.1	13.5	male
EPIC_0112	Control	60.5	13.4	female
EPIC_0113	Control	49.9	12.6	male
EPIC_0114	Control	67.1	13.3	female
EPIC_0115	Control	67.1	13.2	female
EPIC_0116	Control	55.4	12.5	female
EPIC_0117	Control	67.5	13.1	female
EPIC_0118	Control	68	13	female
EPIC_0119	Control	68.7	12.8	female
EPIC_0120	Control	44.9	10	male
EPIC_0121	Control	44.5	9.8	male
EPIC_0122	Control	44.2	9.8	male
EPIC_0123	Control	63.2	9.8	male
EPIC_0124	Control	63.7	9.7	male
EPIC_0125	Control	55.8	12.9	female
EPIC_0126	Control	55.3	12.8	female
EPIC_0127	Control	55.5	12.5	female
EPIC_0128	Control	43.5	10.7	male
EPIC_0129	Control	56	11	male
EPIC_0130	Control	56.5	11.1	male
EPIC_0131	Control	56.3	11.5	male
EPIC_0132	pre-AML	56.1	9.6	male
EPIC_0133	Control	56.5	10.9	male
EPIC_0134	Control	43.2	11.3	male
EPIC_0135	Control	43.2	11.1	male
EPIC_0136	Control	61.1	8.1	male
EPIC_0137	Control	56.2	8.1	female
EPIC_0138	Control	56.8	8.1	female
EPIC_0139	Control	61.5	8.1	male
EPIC_0140	Control	61.6	8.1	male
EPIC_0141	pre-AML	60.5	4.5	male
EPIC_0142	Control	60.5	8	male
EPIC_0143	Control	56.5	8.2	female
EPIC_0144	Control	60	7.9	male
EPIC_0145	Control	60.2	8	male
EPIC_0146	Control	53.8	8.2	male
EPIC_0147	pre-AML	53	8.1	male
EPIC_0148	Control	43.3	10.9	male
EPIC_0149	Control	61.6	10.8	male
EPIC_0150	Control	50.6	12.7	female
EPIC_0151	Control	54.4	12.8	female
EPIC_0152	Control	54.9	12.7	female
EPIC_0153	Control	50.3	12.3	female
EPIC_0154	Control	46.4	12.3	male
EPIC_0155	Control	46.4	12.3	male
EPIC_0156	Control	50.6	12.3	female
EPIC_0157	Control	50.6	12.2	female
EPIC_0158	Control	62.6	12.1	male
EPIC_0159	Control	62.4	11.8	male
EPIC_0160	Control	36.7	11.7	female
EPIC_0161	Control	36.6	11.6	female
EPIC_0162	pre-AML	36.8	2.9	female
EPIC_0163	Control	36.1	11.4	female
EPIC_0164	Control	36.2	11.4	female
EPIC_0165	pre-AML	58.9	11.1	male
EPIC_0166	Control	58.4	12.7	male
EPIC_0167	Control	58.2	12.6	male
EPIC_0168	Control	60.6	7.9	female
EPIC_0169	Control	60.5	11.6	female
EPIC_0170	Control	58.4	11.9	female

EPIC_0171	pre-AML	54	8.7	male
EPIC_0172	Control	54.9	12.5	male
EPIC_0174	Control	54.1	12.4	male
EPIC_0175	Control	58.6	12.6	male
EPIC_0176	pre-AML	64.5	4.1	male
EPIC_0177	Control	64.2	13.6	male
EPIC_0178	Control	64.5	13.4	male
EPIC_0179	Control	59	13.2	female
EPIC_0180	Control	59.6	13.1	female
EPIC_0181	Control	40	13	female
EPIC_0182	Control	39.2	12.9	female
EPIC_0183	Control	50.7	12.9	female
EPIC_0184	Control	59.4	12.8	female
EPIC_0185	Control	56.3	10.7	female
EPIC_0186	Control	56.4	10.6	female
EPIC_0187	Control	56.3	10.6	female
EPIC_0188	Control	56.3	10.6	female
EPIC_0189	Control	50.7	12.8	female
EPIC_0190	Control	50.1	12.8	female
EPIC_0191	Control	39.2	12.7	female
EPIC_0192	Control	50.2	12.6	female
EPIC_0193	Control	56.4	12.7	female
EPIC_0194	pre-AML	56.1	8	female
EPIC_0195	Control	52.2	12.7	female
EPIC_0196	Control	55.4	12.3	female
EPIC_0197	Control	55.8	12.1	female
EPIC_0198	Control	48.2	12.1	female
EPIC_0199	Control	68.6	12.6	female
EPIC_0200	Control	57	12.6	female
EPIC_0201	Control	69	12.6	female
EPIC_0202	Control	52.8	12.6	female
EPIC_0203	Control	56.2	12.5	female
EPIC_0204	Control	52.8	12.5	female
EPIC_0205	Control	55.4	12.1	female
EPIC_0206	Control	48.4	12.1	female
EPIC_0207	Control	69.5	11.9	female
EPIC_0208	Control	67.7	11.8	female
EPIC_0209	Control	48.9	11.8	female
EPIC_0210	Control	58.5	12.1	female
EPIC_0211	Control	58.8	11.8	female
EPIC_0212	pre-AML	64.2	11	male
EPIC_0213	Control	64.8	11.8	male
EPIC_0214	Control	46.9	12.1	male
EPIC_0215	Control	46.7	12	male
EPIC_0216	Control	46.9	12	male
EPIC_0217	Control	46.6	13.6	male
EPIC_0218	Control	55.3	11.7	male
EPIC_0219	pre-AML	67.8	9.5	female
EPIC_0220	Control	67.3	11.5	female
EPIC_0221	Control	69.1	11.5	female
EPIC_0222	Control	58.4	12.3	male
EPIC_0223	pre-AML	74.3	1.8	female
EPIC_0224	Control	69.6	11.5	female
EPIC_0225	Control	69.6	9.7	female
EPIC_0226	Control	64.4	12.6	female
EPIC_0227	Control	74.4	10.3	female
EPIC_0228	Control	55.1	11.7	male
EPIC_0229	Control	37	10.9	female
EPIC_0230	Control	69.8	13.3	female
EPIC_0231	Control	70	11.7	female
EPIC_0232	Control	70.8	11.8	female
EPIC_0233	Control	64.3	11.9	female
EPIC_0234	pre-AML	69.9	9.2	female
EPIC_0235	Control	74.2	8	female
EPIC_0236	Control	58.2	12.4	male
EPIC_0237	Control	58.6	12.1	male
EPIC_0238	Control	52.1	12.1	female
EPIC_0239	Control	67.4	12.1	female
EPIC_0240	Control	52.8	12.1	female
EPIC_0241	Control	67.1	12	female
EPIC_0242	Control	68.9	11.6	female
EPIC_0243	Control	38.4	11.4	female
EPIC_0244	Control	38.9	11.2	female
EPIC_0245	Control	38.6	11.2	female
EPIC_0246	pre-AML	39	4.9	female
EPIC_0247	Control	68.2	11.4	female
EPIC_0248	Control	68.4	11.4	female
EPIC_0249	pre-AML	69	4.7	female
EPIC_0250	Control	43.6	8.8	female
EPIC_0251	Control	70.5	13.3	female
EPIC_0252	Control	36.5	12.1	female
EPIC_0253	Control	46	11.8	male
EPIC_0254	Control	70.6	12	female
EPIC_0255	pre-AML	36.2	8.1	female
EPIC_0256	Control	43.3	11.8	female
EPIC_0258	Control	36.2	13.5	female
EPIC_0259	Control	43.2	11.3	female

EPIC_0260	Control	36.7	8.1	female
EPIC_0261	pre-AML	58.3	7	male
EPIC_0262	Control	66.1	11.2	female
EPIC_0263	Control	66.4	11.2	female
EPIC_0264	Control	55.8	11.2	female
EPIC_0265	Control	71.1	11	male
EPIC_0266	Control	55.6	11	female
EPIC_0267	Control	54.3	10.3	female
EPIC_0268	Control	54.1	10.3	female
EPIC_0269	pre-AML	54.5	9.4	female
EPIC_0270	Control	54.7	10.1	female
EPIC_0271	pre-AML	56.4	8.5	female
EPIC_0272	Control	54.7	10	female
EPIC_0273	Control	56.2	9.9	female
EPIC_0274	Control	56.1	9.9	female
EPIC_0275	Control	56.2	9.9	female
EPIC_0276	Control	43.5	10.3	female
EPIC_0277	Control	42.6	12.2	female
EPIC_0278	Control	42.8	12	female
EPIC_0279	pre-AML	42.4	9.8	female
EPIC_0280	Control	42.2	11.9	female
EPIC_0281	Control	57.9	12.3	female
EPIC_0282	Control	57.2	12.1	female
EPIC_0283	Control	36.9	10.9	female
EPIC_0284	Control	36.5	10.9	female
EPIC_0285	Control	68.6	4	female
EPIC_0286	Control	51	10.2	male
EPIC_0287	Control	51.1	10.1	male
EPIC_0288	Control	51.1	9.9	male
EPIC_0289	Control	72.6	12.7	male
EPIC_0290	Control	72.6	11.9	male
EPIC_0291	Control	72.8	8.5	male
EPIC_0292	Control	68.4	10.9	female
EPIC_0293	Control	68.7	10.8	female
EPIC_0294	Control	63.4	10.8	female
EPIC_0295	Control	63.2	10.8	female
EPIC_0296	Control	55.2	10.9	female
EPIC_0297	Control	71.8	10.9	male
EPIC_0298	Control	71.8	10.8	male
EPIC_0299	Control	55.6	10.7	female
EPIC_0300	pre-AML	64.9	6	male
EPIC_0301	Control	71.4	10.6	female
EPIC_0302	Control	43.4	10.6	female
EPIC_0303	Control	64	10.6	male
EPIC_0304	Control	66.7	6.8	female
EPIC_0305	Control	66	10.5	female
EPIC_0306	Control	58.9	11.5	male
EPIC_0307	Control	58.4	11.4	male
EPIC_0308	Control	67.3	11.3	male
EPIC_0309	pre-AML	69.9	4.8	male
EPIC_0310	Control	56.6	11.2	male
EPIC_0311	pre-AML	56.1	4.4	male
EPIC_0312	Control	56.5	11.1	male
EPIC_0313	Control	56.4	11.9	male
EPIC_0314	Control	64.2	9.6	female
EPIC_0315	Control	64.3	9.5	female
EPIC_0316	Control	64.3	9.5	female
EPIC_0317	pre-AML	64.3	7.9	female
EPIC_0318	Control	64.7	9.5	female
EPIC_0319	Control	42.1	11.7	female
EPIC_0320	Control	56	11.7	male
EPIC_0321	Control	60.8	8.1	male
EPIC_0322	Control	56.7	3.4	female
EPIC_0323	pre-AML	36.3	9.3	female
EPIC_0324	Control	36.8	10.6	female
EPIC_0325	Control	68.5	10.5	female
EPIC_0326	Control	48.3	10.9	female
EPIC_0327	pre-AML	43.6	5.3	female
EPIC_0328	Control	71.5	10.4	female
EPIC_0329	Control	43.6	10.4	female
EPIC_0330	Control	43.9	10.4	female
EPIC_0331	Control	43.9	10.3	female
EPIC_0332	Control	71.9	10.3	female
EPIC_0333	Control	66.9	8	female
EPIC_0334	Control	66.5	7.9	female
EPIC_0336	pre-AML	50.9	3.2	female
EPIC_0337	pre-AML	63.1	5.6	female
EPIC_0338	pre-AML	59.1	4.6	female
EPIC_0339	pre-AML	60.2	5.5	female
EPIC_0340	pre-AML	43.5	2.9	female
EPIC_0341	pre-AML	66.6	1.9	female
EPIC_0342	pre-AML	51.4	6.4	male
EPIC_0343	pre-AML	50.3	4.7	female
EPIC_0344	pre-AML	55.8	4.7	female
EPIC_0346	pre-AML	58.9	0.8	male
EPIC_0347	pre-AML	64.1	3.9	female
EPIC_0348	pre-AML	70.3	0.9	female

EPIC_0349	pre-AML	61.5	7.6	male
EPIC_0350	Control	61.9	12.2	male
EPIC_0351	Control	63.3	10.4	female
EPIC_0352	Control	51.5	10.9	male
EPIC_0353	Control	51.5	8.1	male
EPIC_0354	Control	56.6	9.3	female
EPIC_0355	Control	56.4	9.2	female
EPIC_0356	Control	50.5	9.1	female
EPIC_0357	Control	50.4	8.9	female
EPIC_0358	Control	50.9	9.3	female
EPIC_0359	pre-AML	48.2	7.9	male
EPIC_0360	Control	51.8	11.5	male
EPIC_0361	Control	51.6	11	male
EPIC_0362	Control	61.4	10.9	male
EPIC_0363	Control	71.3	7.8	male
EPIC_0364	Control	49.5	7.4	female
EPIC_0365	Control	49.9	7.5	female
EPIC_0366	Control	49.4	8.2	female
EPIC_0367	Control	71.6	11.2	male
EPIC_0368	Control	71.5	10.8	male
EPIC_0369	Control	61.8	11.1	male
EPIC_0370	Control	61.3	10.6	male
EPIC_0371	Control	61.9	10.7	male
EPIC_0372	Control	71.6	10.3	male
EPIC_0373	pre-AML	55.6	4.4	male
EPIC_0374	pre-AML	49.9	3.4	female
EPIC_0375	Control	56.2	11.6	male
EPIC_0376	Control	56.8	10.6	male
EPIC_0377	pre-AML	66.4	0.7	female
EPIC_0378	pre-AML	56.6	6.5	male
EPIC_0379	Control	56.5	6.7	male
EPIC_0380	Control	57	10.5	male
EPIC_0381	pre-AML	49.4	4	female
EPIC_0382	Control	56.7	9.1	female
EPIC_0383	Control	49.8	7.5	female
EPIC_0384	Control	51.5	12.9	female
EPIC_0385	Control	51.7	13.1	female
EPIC_0386	Control	51.4	12.9	female
EPIC_0388	Control	61.6	10.9	male
EPIC_0389	Control	51.6	12.8	female
EPIC_0390	Control	61.1	8	male
EPIC_0391	pre-AML	67	9.1	female
EPIC_0392	pre-AML	56.3	7.4	female
EPIC_0393	Control	73.8	7.2	male
EPIC_0394	Control	73.9	10.9	male
EPIC_0395	Control	66.5	11.1	female
EPIC_0396	Control	71.4	10.9	male
EPIC_0397	pre-AML	69.2	9.7	female
EPIC_0398	Control	48.9	12.5	male
EPIC_0399	Control	64.5	13.8	male
EPIC_0400	Control	56.3	12.9	female
EPIC_0401	pre-AML	55.8	10	male
EPIC_0402	Control	56.6	9.9	female
EPIC_0403	Control	73.6	13.7	female
EPIC_0404	Control	73.7	13.7	female
EPIC_0405	Control	66.7	13.6	female
EPIC_0406	pre-AML	70.3	7.2	male
EPIC_0407	Control	70.3	13.4	male
EPIC_0408	Control	70.8	13.4	male
EPIC_0409	Control	73.9	12.7	male
EPIC_0410	Control	73.2	5.9	male
EPIC_0411	Control	58.1	11.6	male
EPIC_0412	Control	70	11	male
EPIC_0413	Control	70	13.2	female
EPIC_0414	Control	59.2	14.1	male
EPIC_0415	Control	66.9	11.9	female
EPIC_0416	Control	60.4	14.1	female
EPIC_0417	Control	60.6	12.9	female
EPIC_0418	Control	57.6	13.5	female
EPIC_0419	Control	54.1	12.7	male
EPIC_0420	Control	56.7	12.9	female
EPIC_0421	Control	55.8	12.9	male
EPIC_0422	Control	68.8	10.9	female
EPIC_0423	Control	69.2	11.5	male
EPIC_0424	pre-AML	63.8	7.3	female
EPIC_0425	Control	63.3	10.4	female
EPIC_0426	Control	58.1	12.3	male
EPIC_0427	Control	64.5	11.9	male
EPIC_0428	Control	64.2	11.8	male
EPIC_0429	Control	57.9	4.6	female
EPIC_0430	Control	57.3	11.5	female
EPIC_0431	Control	61.1	10.8	male
EPIC_0432	Control	53.4	10.4	male
EPIC_0433	Control	51.4	12.7	male
EPIC_0434	Control	52.9	14.2	male
EPIC_0435	Control	59.5	11.8	female
EPIC_0436	Control	59.7	13.2	female

EPIC_0437	Control	39.2	13	female
EPIC_0438	Control	49.2	13.5	female
EPIC_0439	pre-AML	64.8	9.1	female
EPIC_0440	Control	64.9	11.5	female
EPIC_0441	Control	55.9	14.7	male
EPIC_0442	Control	59.4	14.1	male
EPIC_0443	Control	54.7	14	male
EPIC_0444	Control	50.7	13.6	male
EPIC_0445	Control	46.9	12.8	male
EPIC_0446	pre-AML	47	7.6	male
EPIC_0447	Control	69.6	11.7	female
EPIC_0448	pre-AML	71	8.8	male
EPIC_0449	Control	64.9	10.5	male
EPIC_0450	pre-AML	51.5	2.6	female
EPIC_0451	Control	55.1	12.7	female
EPIC_0452	Control	62.5	11.7	male
EPIC_0453	Control	67.9	11.4	male
EPIC_0454	pre-AML	41.4	6.2	female
EPIC_0455	pre-AML	49.6	9.2	male
EPIC_0456	Control	67.4	11.8	female
EPIC_0457	Control	64.9	11.6	female
EPIC_0458	pre-AML	52.7	0.4	female
EPIC_0459	Control	67.9	12.1	female
EPIC_0460	Control	68.4	10.7	female
EPIC_0461	pre-AML	73.6	2.4	female
EPIC_0462	Control	52.4	13	female
EPIC_0463	Control	63.5	7.9	male
EPIC_0464	pre-AML	61.7	6	male
EPIC_0465	Control	58.1	11.6	female
EPIC_0466	Control	55	11.8	male
EPIC_0467	Control	58.9	8.9	male
EPIC_0468	Control	64.4	12.1	male
EPIC_0469	pre-AML	68	6.4	female
EPIC_0470	pre-AML	71.9	5.6	male
EPIC_0471	Control	58.8	12	male
EPIC_0472	pre-AML	39.5	11.1	female
EPIC_0473	pre-AML	59	11.8	female
EPIC_0474	Control	60.8	11.8	female
EPIC_0475	Control	67.8	11.2	male
EPIC_0476	Control	70.3	13.7	male
EPIC_0477	pre-AML	59.4	8.3	male
EPIC_0478	Control	53.8	10.1	male
EPIC_0479	pre-AML	56.6	0.2	female
EPIC_0480	Control	58.9	14.8	male
EPIC_0481	Control	49.1	13.3	female
EPIC_0482	pre-AML	57.8	11.2	male
EPIC_0483	Control	58.5	12.9	male
EPIC_0484	Control	58	12.8	male
EPIC_0485	Control	54.5	12.9	female
EPIC_0486	Control	48.7	12.6	male
EPIC_0487	Control	61	13.8	female
EPIC_0488	Control	46.3	13.7	female
EPIC_0490	pre-AML	52.8	0.3	female
EPIC_0491	Control	49.1	13	male
EPIC_0492	Control	67.2	13	female
EPIC_0493	pre-AML	44.9	0	male
EPIC_0494	Control	64.9	11.6	female
EPIC_0495	Control	62.3	12.1	male
EPIC_0496	pre-AML	62.6	1.4	male
EPIC_0497	Control	55.4	13.5	male
EPIC_0498	pre-AML	55.2	8	male
EPIC_0499	Control	67.8	11.5	female
EPIC_0500	Control	66.7	11.4	female
EPIC_0501	Control	72.8	9	male
EPIC_0502	Control	64.3	9.9	female
EPIC_0503	Control	56.2	12.6	male
EPIC_0504	pre-AML	68.5	7	female
EPIC_0505	Control	68.4	10.5	female
EPIC_0506	Control	71.2	10.5	female
EPIC_0507	pre-AML	46.6	1.8	male
EPIC_0508	pre-AML	68.4	6.2	female
EPIC_0509	pre-AML	66.8	4.1	female
EPIC_0510	pre-AML	58.2	9.1	male
EPIC_0511	Control	56.9	9.3	female
EPIC_0512	pre-AML	58.8	3.7	female
EPIC_0513	Control	48.2	10.8	female
EPIC_0514	pre-AML	48.4	4.7	female
EPIC_0516	pre-AML	72.9	7.8	male
EPIC_0517	Control	48.2	10.9	female

Appendix 2: Validation cohort pre-AML and control sample information

Sample ID	Group	Gender	Systolic BP (mmHg)	Diastolic BP (mmHg)	BMI	Total cholesterol (mmol/L)	HDL (mmol/L)	LDL (mmol/L)	Triglycerides (mmol/L)	Lymphocytes (10^9/L)	MCV (fL)	RDW	WBC (10^9/L)	RBC (10^9/L)	Haematocrit (%)	Platelets (10^9/L)	Haemoglobin (g/dL)	Age at sample	Follow-up (years)
PD35595b	Control	Male	181	108	25.8	6.8	1.5	4.3	2.1	2.2	86.5	14	7	4.9	42.6	239	14.8	68.2	21.3
PD35724b	Control	Male	124	74	26.8	4.3	0.7	3.1	1	-	-	-	-	-	-	-	-	63.8	21.5
PD35520b	Control	Female	109	72	26.7	5.5	1.3	3.5	1.6	1.6	87.2	12.5	4.5	5	43.5	222	14.5	47.4	18
PD35651b	Control	Female	154	96	32	7.8	1.1	5.9	1.9	2.9	88.7	12.5	7	4	35.8	287	12.5	54.7	19.1
PD35622b	Control	Female	124	78	23.6	5.9	1.7	3.5	1.6	2	81.1	15.5	5.1	5	40.3	270	13.3	51.8	21.4
PD35518b	Control	Male	131	76	25	6.8	1.4	4.8	1.2	2.2	90.2	12.7	5.1	4.2	38	232	12.8	62	19.8
PD35626b	Control	Female	171	108	28.9	6.4	1.8	4	1.2	1.8	91	12.7	5.9	4.2	37.8	193	13.2	72	19.9
PD35711b	Control	Female	138	76	28.5	5.7	1.4	3.6	1.6	3.5	88.3	13.6	9.4	4.7	41.4	209	13.9	75	19.8
PD35786b	Control	Male	142	90	27.9	6.8	0.8	5	2.2	-	-	-	-	-	-	-	-	55.9	21.5
PD30073b	pre-AML	Female	143	82	33.3	7.2	1.2	5.3	1.7	3.3	87.2	12.9	9.2	5	43.8	149	14.6	71.8	1.2
PD35526b	Control	Male	149	78	25.9	6.6	1.2	4.5	1.9	2.1	87.1	13.2	8.1	4.9	42.5	224	14.6	68.6	20.7
PD35716b	Control	Male	123	83	23.8	6.2	1.7	3.6	2	2.4	89	12.8	6.3	4.3	38.8	267	13.2	49.8	19.2
PD35685b	Control	Male	134	87	26.2	5.3	0.9	3.2	2.5	2.1	88.5	13.4	7.4	5.2	45.6	318	16.2	56.8	20.1
PD35758b	Control	Male	156	99	33.9	7.3	1.6	5	1.6	1.6	84.7	14	6.2	5.3	45	158	15.7	65.1	21
PD35605b	Control	Female	127	85	23.5	6.4	1.5	4.3	1.2	-	-	-	-	-	-	-	-	61.2	21.7
PD35708b	Control	Male	160	84	25.7	5.9	-	-	6.3	1.9	88.2	12.5	6.2	4.4	39.1	225	13.7	67.2	19.8
PD35705b	Control	Male	163	92	24.3	5.9	1	3.7	2.7	1.3	95	12.4	6	4.6	43.7	191	14.8	69	20.7
PD35528b	Control	Female	158	95	31.1	8.3	1.9	5.4	2.2	2.3	78.3	14.2	7.1	4.9	38	231	12.5	53.3	18.8
PD35615b	Control	Female	128	68	23.2	8.3	-	-	6.3	2.1	91.5	12.1	5.5	4.2	38.2	161	13.6	68.8	19
PD35678b	Control	Male	135	78	25.4	6.1	1.2	4.1	1.8	-	-	-	-	-	-	-	-	68.2	21.9
PD35586b	Control	Male	147	91	19.4	5.6	2.2	2.9	1	-	-	-	-	-	-	-	-	67.1	17.3
PD35673b	Control	Male	110	67	26.4	6.2	1.6	4	1.4	1.9	89.7	12.3	7	4.9	43.8	268	14.8	48.2	19.8
PD35659b	Control	Male	153	94	25.2	5.8	1.2	3.6	2.1	2	91	13.4	7.6	5.7	51.5	278	17.3	68.6	20.3
PD35536b	Control	Female	106	66	23.9	5	1.8	2.7	1.1	2.2	91.6	11.4	6.2	3.7	33.6	272	11.6	49.7	20.4
PD35543b	Control	Male	154	86	20.9	5.8	1.5	3.7	1.3	-	-	-	-	-	-	-	-	65.1	18.8
PD29856c	pre-AML	Male	116	77	26.4	4.2	1	2.7	1.1	-	-	-	-	-	-	-	-	57.2	17.8
PD35572b	Control	Male	140	94	30.6	9.4	1.7	6.5	2.7	2.1	92.7	12.2	5.9	5.3	48.9	269	16.1	48.9	20.2
PD35631b	Control	Female	170	104	38.4	6.1	2.1	3	2.1	-	-	-	-	-	-	-	-	57.6	18.7
PD35599b	Control	Female	150	100	27.1	6.1	1	4.5	1.3	-	-	-	-	-	-	-	-	54.5	22
PD29810c	Control	Male	114	72	21.5	4.9	0.6	3.1	2.8	1.5	88.6	15.3	8	4.1	36.6	136	12	45.9	18.6
PD35522b	Control	Female	142	90	27.3	7.3	1.2	4.6	3.2	2	85.1	14	7.1	4.4	37.9	422	13.3	67.3	20.5
PD29804c	Control	Female	146	95	26.1	6.2	1.7	4.3	0.6	2	89.9	13.3	4.5	5.2	46.9	218	14.8	45.7	5.1
PD35625b	Control	Male	162	106	27.5	6	0.7	3.8	3.2	-	-	-	-	-	-	-	-	48.8	22.1
PD35589b	Control	Female	116	79	25.9	5.5	1.2	3.8	1	1.2	84.8	14.9	6.1	4.6	39.2	305	13.7	62.8	20.9
PD29792b	pre-AML	Female	142	89	30.2	6	1.5	4.2	0.6	-	-	-	-	-	-	-	-	64.9	14.1
PD30060c	pre-AML	Female	148	85	22.4	7.1	1.7	4.9	1.2	1.7	90.1	14.2	4.8	4.2	37.7	252	12.1	75.8	15.2
PD35519b	Control	Female	134	85	29.5	6.5	1.4	4.4	1.5	2.2	90.5	13	12	4.5	40.4	384	14	65.7	20.2
PD35763b	Control	Male	151	90	22.9	3.8	1.3	2	1.2	2.3	85.2	14.4	7.6	4.8	40.7	268	14.2	64	20.5
PD35725b	Control	Female	148	84	31	8.4	1.8	5.7	1.9	1.2	86.1	14.5	3.7	4.3	37.2	234	12.9	70	20.9
PD35507b	Control	Male	174	104	23.6	6.3	1.8	4.1	0.9	-	-	-	-	-	-	-	-	55.4	21.9
PD29836c	pre-AML	Female	152	92	28.5	6.4	1.4	4.1	2.1	1.7	88.4	13	5.4	4.2	37.2	175	12.6	70	10
PD35556b	Control	Female	138	77	25.9	5.6	1.5	3.4	1.5	2.2	89.9	12.6	6.7	4.8	42.7	223	14.5	64.5	20.8
PD35616b	Control	Male	138	87	31	6.5	1.1	4.4	2.2	1.9	94.1	13.3	6	4.7	44.6	203	15.5	68.4	21
PD35787b	Control	Male	107	61	25.7	5.8	1.1	4.2	1.2	2.2	91.2	13.7	6	4.5	41.2	144	14.1	68.2	20.7
PD35775b	Control	Female	122	80	29.3	6.4	2.1	4	0.7	1.5	86.9	13.8	5.3	4.2	36.6	227	12.2	64	20
PD35665b	Control	Male	115	78	25.3	5.9	1.4	3.8	1.5	-	-	-	-	-	-	-	-	65.5	22
PD35760b	Control	Male	128	74	30.5	6	1	4.3	1.5	2.2	85.2	14.9	6.3	5.4	46.3	145	15.6	67.5	19.8
PD35764b	Control	Male	118	72	26.5	4.3	0.8	2.8	1.5	1.6	86.6	13.2	8	4.9	42.7	304	14.8	61.7	21.4
PD35660b	Control	Female	136	82	27.6	6	1.2	4.1	1.6	2.3	88	12.4	6.1	4.4	38.8	272	13.2	59.2	21.1
PD30010c	pre-AML	Male	168	108	27.2	6.3	1.1	3.4	3.9	2.4	100	15.6	3.7	3.9	38.7	91	13.3	66.3	12.7
PD35777b	Control	Male	143	92	27.9	5.8	-	-	5.3	2.8	82.3	14	7.7	5.4	44.8	274	15	61.4	19.6
PD35694b	Control	Male	168	99	33.7	5.8	1.9	3.2	1.7	2	95.4	14.1	4.8	4.7	44.7	235	14.6	72.7	18.7
PD35781b	Control	Male	128	83	28.2	4.1	0.9	2.6	1.3	2.2	90.1	12.8	7.1	4.5	40.4	219	14.1	59	21.6
PD35552b	Control	Male	120	76	26.3	6.3	1.4	4.1	1.9	2.1	93.3	13.2	7	4.8	45.1	280	14.8	61.7	18.9
PD35757b	Control	Female	122	74	24.2	6.9	1.3	4.7	2	2	93.8	12.7	6.4	4.2	38.9	255	12.3	65.2	18.5
PD35587b	Control	Female	134	82	27.5	6.7	1.8	4.4	1.1	2.3	89.3	13	6.5	3.8	33.7	198	11.4	69.3	21.3
PD30116c	pre-AML	Male	143	82	26.2	5.5	1.1	3.8	1.4	1.7	80	17.3	5.2	3.9	31.2	207	9.8	69.9	5.1
PD29858b	pre-AML	Female	150	90	25.2	7.6	1.6	5.2	1.8	1	88.9	12.7	5.5	4.5	39.9	243	13.7	73.6	2.4
PD35676b	Control	Female	150	82	25.8	8.3	1.6	6	1.6	-	-	-	-	-	-	-	-	64.9	22
PD30008c	Control	Male	122	78	26.2	4.9	1.1	3.2	1.4	1.3	87.2	14.1	5.6	5.2	45	275	14.7	56.6	20
PD35684b	Control	Female	113	74	22.9	4.7	2	2.3	0.8	2.6	96.6	11.8	9	4.3	41.5	284	14.4	46.4	19.7
PD30111c	pre-AML	Female	116	76	21.1	9	1.9	6.1	2.3	1.6	89.1	13.2	6	4.3	38.7	201	12.9	48.4	4.6
PD30159c	Control	Female	108	66	22.4	8.2	1.4	5.5	3	3	92.5	13.3	6.5	4.3	39.5	229	13.4	69	18.7
PD29948b	pre-AML	Female	156	82	28	7.9	1.2	5.5	2.5	2.4	84.6	13.2	6.3	4.7	39.6	374	14.1	72.2	17.8
PD30086b	pre-AML	Male	150	87	31	4.2	0.7	2.3	2.7	1.3	95.9	13.7	5.1	4.1	39.5	185	13.7	66.4	13.6
PD35702b	Control	Male	112	68	29.1	7	0.8	5.6	1.4	-	-	-	-	-	-	-	-	67.7	22
PD35768b	Control	Female	157	91	34.3	5.3	1.1	3.2	2.2	3.5	94.3	12.8	8.7	4.8	45.2	209	15.5	68.9	21.1
PD35573b	Control	Female	128	62	23.9	6.2	0.8	4.6	1.8	2.2	87	12.9	5.8	3.8	33.4	245	11.5	71.5	19.3
PD35525b	Control	Male	122	72	26.1	5.1	1	3.1	2.2	2.6	88.7	13.3	7.9	5	44.5	268	15	66.7	18.8
PD30154c	pre-AML	Female	124	82	25.3	7.3	1.5	4.4	3.1	2.1	84.7	13.1	5.5	4.9	41.9	225	13.9	61.3	15.7
PD35569b	Control	Male	124	84	23.1	6.4	1.6	4.2	1.5	2.7	86	12.2	7.6	4.8	41	283	14.8	53.5	19.1
PD35640b	Control	Female	140	80	33	6.2	1.7	3.5	2.1	2.3	89.9	13.7	8.3	4.2	38	203	13	68.4	19.4
PD35612b	Control	Female	138	80	36.6	6.1	1.5	4.1	1.1	-	-	-	-	-	-	-	-	56.7	21.9
PD35667b	Control	Female	110	68	20.5	7.6	1.6	5.6	0.9	-	-	-	-	-	-	-	-	68.9	21.7
PD29935c	pre-AML	Male	137	94	27.7	8.4	1.7	5.7	2.1	1.9	87	14.1	6.6	5.2	45.4	268	15.5	61.3	17.7
PD35740b	Control	Male	126	74	24	7.5	1.6	5.2	1.5	-	-	-	-	-	-	-	-	69.8	21.8
PD29933c	pre-AML	Male	176	97	25.1	5.6	1.4	3.6	1.4	1.6	92.2	12.7	5.4	4.6	42.6	191	14.8	73.2	5.8
PD35545b	Control	Male	145	88	34.2	5	1.5	2.9	1.4	1.5	91.6	13.3	5.8	4.8	44.4	258	15.7	70.1	20.4
PD29951b	pre-AML	Female	110	74	27.6	5.8	1.6	3.3	1.9	1.6	89.4	14.7	5.4	4.2	37.9	312	12.4	58.6	18.4
PD35782b	Control	Male	118	70	20.7	5.4	2.2	2.7	1	1.4	85.7	13.2	5.9	4.7	40.4	220	14.3	48.1	20.5
PD35549b	Control	Female	116	78	29.4	5.6	1.9	2.9	1.7	1.9	88	13.5	7.2	4	35.5	293	12	49.5	20.2
PD35637b	Control	Male	121	80	25.8	6	1.2	3.9	2.1	2.6	93.2	13.3	8.3	4.7	43.5	190	14.8	60.2	15.6
PD29762b	pre-AML	Female	180	96	25.4	6.7	1.7	3.4	3.6	3.1	98	12.9	8.2	4	39.4	235	14	60.2	9.8
PD35733b	Control	Female	140	84	26.1	5.9	2.1	3.3	1	1.7	85.9	13.5	4.2	4.7	40.4	243	14.1	61.3	20.4
PD30089b	pre-AML	Female	112	70	27.3	7.6	1	6.1	1.1	1.9	94.8	12.9	4	4	38.2	336	12.4	63.4	13.5
PD30058c	Control	Female	148	95	25.5	7.2	1.3	4.8	2.5	2.8	85.1	12.7	7.5	4.7	39.9	302	13.6	56.2	19.3
PD35650b	Control	Female	120	76	24.8	7.2	2	4.8	0.9	2	85.6	14.2	6.3	4.8	40.7	306	13	50.5	20.7
PD29851c	pre-AML	Female	126	76	27.7	7.3	1.3	4.8	2.5	-	-	-	-	-	-	-	-	55.8	12.2
PD35691b	Control	Male	158	102	21.7	7.5	1.6	5.3	1.4	2.9	88.5	13.6	8.2	5.2	46	288	16.5	64.8	19.6
PD35722b	Control	Male	143	98	27.9	7.1	1.3	4.7	2.5	-	-	-	-	-	-	-	-	57.1	21.5
PD35610b	Control	Female	110	70	22.5	7.2	1.6	4.9	1.5	2.8	93.8	12.4	7.1	4.3	40.7	313	14.1	47.7	20.9
PD35580b	Control	Female	146	88	21.2	6.9	1.3	5.1	1.1	1.9	90.4	12.7	6	5.4	48.8	250	16.7	68.5	21.3
PD29929c	pre-AML	Female	155	92	26.2	8.5	1.8	5.8	2	2.2	92.8	12.4	6.2	4.4	40.9	332	14.2	68.4	6.6
PD35613b	Control	Female	123	70	28	6.2	1.6	4.3	0.7	2	88	13.1	5	4.4	39	220	13.6	63.5	21
PD35509b	Control	Male	172	104	28	9	1.1	6.2	3.7	-	-	-	-	-	-	-	-	69.4	21.8
PD35609b	Control	Female	138	82	22.2	8.2	1.8	5.9	1.1	-	-	-	-	-	-	-	-	75	21.5
PD35550b	Control	Female	178	102	31.4	7.1	1.6	4.5	2.1	1.8	85.6	13.7	5.8	4.8	41.2	301	14.1	67.5	21.2

PD29946c	pre-AML	Female	158	97	30.6	6.9	1.3	4.4	2.6	2.3	85.1	12.6	7.9	4.7	40.1	332	13.6	70.1	14.9
PD30031b	pre-AML	Male	158	96	28.8	5	1	3.4	1.4	2	85.9	13.5	7.4	5.3	46	300	15.3	71.7	14.3
PD35647b	Control	Female	150	83	30	7.3	1.1	5.4	1.7	-	-	-	-	-	-	-	-	73.3	21.8
PD35624b	Control	Female	133	84	26.8	7.1	1	5.3	1.7	2.3	91.8	15	5.4	4.9	45	212	15	70.3	21.7
PD35601b	Control	Female	136	85	23	5.3	1.1	3.9	0.6	-	-	-	-	-	-	-	-	57.4	21.7
PD35564b	Control	Male	156	100	31.8	7.8	-	-	4.6	2.9	92.7	13.3	8.5	5.3	49.5	397	17.1	71.7	13.7
PD35508b	Control	Female	157	79	25.4	6.8	1.2	4.6	2.1	1.3	82.7	13.9	5.9	4.4	36.4	315	12.6	66.9	21.4
PD30120c	pre-AML	Male	135	84	29.9	5.7	1.3	3.8	1.4	1.8	90.2	14.2	6.1	4.8	43.6	210	14.4	69.7	12.3
PD35664b	Control	Male	107	64	25.2	7.7	1.1	5.3	2.9	3.6	89.7	14.2	10	5.1	45.8	226	15.3	44.4	19.5
PD29993b	pre-AML	Female	142	83	28.3	7.1	2.3	4.1	1.6	2	82.6	14.2	7	4.6	37.9	337	13.7	71.6	2.4
PD35652b	Control	Female	134	80	32.8	5.1	1.4	3.1	1.4	-	-	-	-	-	-	-	-	57.8	19.6
PD29989c	Control	Male	132	84	26.1	7.1	1.3	5.2	1.3	1.5	92	12	4.2	4.9	44.7	240	15.1	47.8	20.3
PD29962b	pre-AML	Male	140	86	26.6	5.1	1	3.7	0.9	2.5	90.3	13.2	7.4	4.8	43.1	238	14.8	72	14
PD35688b	Control	Female	138	76	25.4	7.8	1.2	5.5	2.3	-	-	-	-	-	-	-	-	68.8	21.5
PD35780b	Control	Male	158	90	25.3	6.4	1.2	4.4	1.8	1.4	94.4	12.5	5.2	4.3	40.4	202	13.6	65.3	19.5
PD35514b	Control	Female	127	71	21.8	6.2	1.6	4.4	0.4	-	-	-	-	-	-	-	-	72	20.7
PD35636b	Control	Female	146	91	30.8	7	1.3	4.9	1.8	-	-	-	-	-	-	-	-	64.9	21.9
PD29978c	pre-AML	Male	171	103	26.7	5.6	1.2	3.2	2.6	3.3	86.2	14.8	7.2	5.1	43.6	122	14.9	61.7	12.3
PD35707b	Control	Male	163	98	25.6	7.3	1.1	4.9	2.8	-	-	-	-	-	-	-	-	70.3	21.7
PD35596b	Control	Male	104	64	17.6	5	1.5	3.1	0.8	0.8	90.8	12.7	2.3	4.3	38.9	182	13.7	48.3	19.8
PD35720b	Control	Female	128	83	22.3	6.7	2.1	4.3	0.8	2.8	89.4	11.9	6.8	3.5	30.9	218	11.3	60.1	19.4
PD35579b	Control	Female	169	98	31.2	7.4	1.2	4.8	3	2.9	93.8	12.4	8.2	4.3	40.4	276	13.3	63.4	20.6
PD35565b	Control	Male	137	88	30.1	5.4	1.1	3.1	2.5	2.2	90.3	12.6	5.8	4.6	41.8	132	14.6	57.3	21.2
PD35723b	Control	Male	122	78	30.9	5.8	1.1	2.9	3.9	2	88.6	12.8	7.9	4.7	42	216	15.3	58.6	20.5
PD29918c	pre-AML	Male	158	92	27.3	5.5	0.9	3.1	3.2	1.8	93.2	12.7	5.7	4.4	41.2	173	14.2	76.6	13.4
PD35645b	Control	Male	124	68	24.8	5.3	1.2	3.4	1.6	-	-	-	-	-	-	-	-	73.3	21.6
PD29960c	pre-AML	Female	124	81	21.5	6.8	1.5	4.8	1.1	1.9	91	12.5	12.6	4.6	41.8	306	15	56.1	7.9
PD35515b	Control	Female	156	90	30.8	5.9	1.3	3.6	2.1	1.9	86.1	12.7	5.7	4.2	36.6	376	12.5	70.4	20.1
PD35717b	Control	Female	116	76	17.3	6.3	2.4	3.3	1.3	1.5	87.6	13.2	9.4	4.3	37.9	279	13.3	65.7	20.6
PD35690b	Control	Male	115	72	26.1	6.2	1.7	3.9	1.3	2.1	92.3	12.8	5.3	4.6	42.6	243	14.3	74.8	20
PD35623b	Control	Female	166	110	24.1	7.8	1.7	5.3	1.8	2.5	90.1	13.8	8	4.8	43.6	351	15.1	65.4	21.1
PD29897b	pre-AML	Female	123	82	27	4.8	2	2.2	1.4	1.8	91.7	12.9	4.8	4.3	39.5	278	13.8	60.2	5.8
PD35738b	Control	Female	124	78	24.8	6	1.1	4.6	0.6	-	-	-	-	-	-	-	-	60.3	22.1
PD35553b	Control	Male	144	94	24.9	4.9	1	3.1	1.8	-	-	-	-	-	-	-	-	67	21.5
PD35697b	Control	Female	120	66	25.5	6.3	1.4	3.7	2.6	2.4	89.5	13.3	7.7	4	36	247	12.3	63.7	20.7
PD35608b	Control	Male	142	80	23.6	6	2.6	3	0.8	1.7	93.1	13.1	8.1	4.4	40.9	349	14.2	64.8	20.5
PD35773b	Control	Female	118	79	30	7	1.6	4.5	1.9	1.4	92.5	12.4	7	3.9	36.5	210	12.8	72.3	19.3
PD29867b	pre-AML	Male	144	92	26.7	6.7	1	4.2	3.3	-	-	-	-	-	-	-	-	68	15
PD29996b	pre-AML	Female	109	66	34.4	5.9	1.1	4	1.7	1.6	97.5	12.5	5.2	4.3	41.9	255	14.6	52.4	4.6
PD35721b	Control	Male	126	78	29.4	4.9	1.4	2.7	1.8	1.5	87	12.9	7.4	5	43.9	300	15.1	53	20.1
PD29907c	pre-AML	Female	118	70	32.1	7.5	0.8	6.2	1.1	3.7	80.7	16.7	11.2	5.1	41.2	380	14	68	6
PD35512b	Control	Female	112	68	26.1	5.9	1.9	3.4	1.5	1.7	93.3	12.5	4.9	4.2	39.6	238	14.1	49.4	16.6
PD35646b	Control	Female	104	65	23.8	6.9	1.9	4.8	0.6	2	99.7	12.1	5	4.3	43.3	261	14.3	47.9	15.6
PD35686b	Control	Male	128	72	27.4	5.7	1.2	2.8	3.8	2.6	96.5	12.4	6.1	4.6	44.6	172	14.2	70.6	17.6
PD35642b	Control	Female	114	66	22.8	4.7	1.4	3	0.7	1	87.8	12.8	4.6	4.6	40	298	13.2	50	17.4
PD35710b	Control	Female	112	65	27.1	4.6	1.1	3	1.3	1.6	82.5	14.5	8.5	3.9	32.3	339	11.5	69.9	17.2
PD35620b	Control	Female	152	96	19.9	4.6	2.6	1.7	0.7	1.4	92.6	12.9	5.6	4.3	40.2	138	12.9	56.4	17.6
PD35670b	Control	Male	122	79	27.8	5.5	1.1	3.6	1.8	1.2	91.7	13.8	6.3	5.2	47.8	174	17.2	62.6	16.4
PD35540b	Control	Male	106	74	26.6	6.2	1.2	4.4	1.4	1.7	88.5	13.3	5.6	4.3	38.2	178	14.2	65.8	11.3
PD35627b	Control	Male	154	87	29.1	7.4	1	4.3	4.8	2	92	13	5.8	4.9	45.2	197	16.4	69.3	16.9
PD35661b	Control	Male	146	99	29.1	8.3	1.2	6	2.5	1.8	98.2	12.2	8.1	4.6	45	231	14.7	71.4	17.9
PD35641b	Control	Male	146	76	26.6	5.1	1	3.7	0.9	2.3	90.3	13.2	6.2	4.8	43.3	119	14.7	72.9	18.1
PD35731b	Control	Male	134	92	28.4	6.7	1.1	4.3	3	2.5	93	12.4	6.4	4.4	41.3	284	13.2	68.9	17.8
PD35638b	Control	Female	118	66	21.2	5.9	1.8	3.8	0.7	2.4	93.8	12.4	7.7	4.6	43.5	193	14.2	63.2	17.5
PD35712b	Control	Male	115	68	22.7	4.4	2.1	1.9	1	2	94	13.7	6	4.4	41.2	222	15	59.9	16.2
PD35558b	Control	Male	106	62	22.8	5.2	1.5	3.3	0.9	1.5	92.6	13.4	9.7	4.8	44.1	272	15.3	74.5	15.9
PD35598b	Control	Male	139	87	29.4	7.7	1.3	5.3	2.6	1.6	94.4	12.9	4.9	5	47.4	125	15.6	56.2	17.7
PD35769b	Control	Female	145	84	25.3	6.7	2.2	4.2	0.7	2.5	93.6	12.9	6.5	5.2	48.7	228	14.9	65.2	15.7
PD35511b	Control	Female	144	78	26.4	8.7	1.1	5.5	4.8	2.6	95.1	14.6	5.5	4.3	41.3	331	14.1	73.5	13.9
PD35693b	Control	Male	144	75	24.7	9.3	1.6	6.5	2.8	1.9	88.3	14.6	6.3	4.6	40.3	400	14	73.5	16.4
PD35700b	Control	Female	134	80	24.9	6.1	1.4	3.3	3.1	1.8	91.5	14	7.1	4.3	39.2	261	14.1	77.4	16.9
PD35674b	Control	Female	158	93	23.8	6.3	1.5	4.3	1.1	1.8	87.1	13	6.1	4.2	36.8	271	12.4	66	17.5
PD35632b	Control	Female	164	89	29.2	7	1.4	4.3	2.9	1.7	95.9	11.8	6.9	4.3	41.8	310	13.5	76.2	13.3
PD35657b	Control	Male	160	114	31.1	6.1	0.8	4.1	2.8	2.5	89.4	12.9	8.7	4.8	42.5	224	14.8	61	16.4
PD35706b	Control	Male	128	85	25.4	8.1	1.4	5.8	2	1.5	90.1	12.3	5.8	4.7	42.3	392	14.7	52.3	16.6
PD35524b	Control	Female	104	61	19.6	4.4	1.4	2.7	0.7	1.6	85	14	9.1	4.2	36	185	12.4	52.6	16.3
PD35756b	Control	Male	130	78	22.8	5.1	0.7	3.1	2.9	1.3	87.9	13.3	5.5	4.3	37.8	244	13.8	76.5	16.8
PD29931b	pre-AML	Female	160	94	32.4	6	1.1	3.6	3	2.7	86.8	13.7	9.5	4.6	40	276	14.2	71.1	13.9
PD35633b	Control	Male	150	86	26.4	5.7	1.1	4	1.4	2.1	93	13	6.2	4.2	39	275	14.2	76.3	12.4
PD35715b	Control	Male	140	96	27.1	6.3	1.3	4.5	1.3	3.4	96.1	15.3	8.4	4.6	43.8	268	15.4	67.7	15.9
PD35529b	Control	Female	128	82	27.5	5.2	1.8	3	1.2	1.9	83	14.1	6.9	4.4	36.6	325	13	70	15.8
PD35732b	Control	Female	125	78	27.6	5.5	1.7	3.5	0.7	2.7	87.3	12.9	7.8	4.6	40.1	223	14.7	56.4	17.1
PD35571b	Control	Female	142	74	23.9	5.2	1.3	2.5	3.1	1.9	89.2	13.6	6.9	4.3	38.6	269	12.7	52.7	17.3
PD35611b	Control	Female	148	98	26.2	7	2.1	4.6	0.8	1.8	94.6	14.5	6.5	4.3	40.5	293	14.9	73.7	17.2
PD35703b	Control	Male	142	86	28.2	5.7	1.2	3.7	1.8	1.9	88.5	14.7	7	4.9	43.6	276	15.2	77.1	16.4
PD35654b	Control	Male	144	88	22.4	5.3	1.2	3.1	2.3	3	91	14.4	7.5	5.3	48.4	153	15.9	71.3	13.1
PD35639b	Control	Female	132	78	25.1	5.4	1.2	3.6	1.5	2.6	90.2	13.1	5.2	4.6	41.7	351	13.2	67.4	17.3
PD35534b	Control	Female	105	66	21.9	7	2.4	3.7	2.1	1.7	92.8	12.5	4.8	4.1	37.6	233	13.1	66.3	16.8
PD35581b	Control	Male	126	74	22.8	5.2	1.2	3.7	0.8	2.5	90.5	13.4	7.5	4.3	39.2	192	13.6	68.6	17.3
PD35542b	Control	Female	146	88	30.2	5.2	1.2	3.5	1.3	2.1	87.4	14.6	6.4	4.8	41.9	434	14.5	65.7	16.3
PD35594b	Control	Female	126	82	28.1	6.1	1.5	4.1	1.2	2.6	94.8	13	7.4	4.5	42.9	266	13.6	68.2	17.6
PD29907b	pre-AML	Female	141	76	32.2	7.9	0.8	6.5	1.5	2.4	85	17	8.6	5.1	43	400	14.8	71.9	6
PD35591b	Control	Female	128	80	21.2	5.8	1.9	3.7	0.5	1.6	85	13.9	4.9	4.4	37.3	245	13.2	56.9	17.2
PD30023b	pre-AML	Male	190	116	27.3	4.3	1.6	2.2	1.3	2	92.4	13.3	5.3	5	45.9	176	16.4	61.8	3.2
PD35762b	Control	Female	118	66	25.9	5.5	1.6	3.5	0.9	2.6	89.9	14	6.5	4.7	42.2	274	14.1	76.1	16.4
PD35582b	Control	Female	163	83	26.5	7.7	1.8	5	2.1	-	-	-	-	-	-	-	-	76.4	16.3
PD35583b	Control	Male	127	58	24.9	4.2	1.2	2.6	1	1.2	89.3	13.7	5.7	4.6	41.2	125	14.6	76.3	11.5
PD35619b	Control	Female	150	87	31	7.3	1.2	5.4	1.6	1.5	96.2	12.2	4.8	4.3	41.7	215	13.6	66.4	17.8
PD35541b	Control	Male	132	70	30.1	5.7	1.5	3.7	1.2	1.7	90.2	14.3	5.4	4.6	41.4	222	14.4	72.4	16
PD35662b	Control	Female	114	70	23.7	8.4	1.3	6.6	1.1	1.4	90	14.7	4.9	4.7	42.1	243	13.3	72.9	17.7
PD35672b	Control	Male	132	80	26.1	5.4	1.1	2.8	3.3	1.3	92.3	12.8	6.5	5.1	47	177	15.5	66.3	12.4
PD35682b	Control	Male	134	88	27.3	6.6	1.3	4.5	1.9	2.2	91.2	13.7	6.3	4.8	43.3	349	14	61.8	15.5
PD35704b	Control	Male	131	86	29.6	9.6	1.1	6.4	4.7	2.8	84.1	14.4	9.7	5.7	47.6	317	16.5	56.8	16.2
PD35671b	Control	Female	152	84	22.8	6.5	1.7	4.2	1.4	0.9	88.1	13.1	5	4.8	42.2	220	13.9	71.6	18.1
PD30054b	pre-AML	Male	128	74	24.4	6.7	1.2	4.6	2	0.9	95.2	13.1	3.1	4.3	41	134	14.4	75.2	13.8
PD35759b	Control	Female	122	74	23.7	5.3	1.5	3.1	1.7	2.4	89.6	12.7	7.2	4	35.7	251	12.8	52.3	16.3
PD35523b	Control	Male	132	73	28.6	5.7	0.9	3.5	3	2.7	91.1	13.7	5.6	4.2	38.4	268	13.5	63.9	16.5
PD35547b	Control	Male	140	73	24.4	5.2	0.9	3.2	2.5	1.6	88.8	14.4	7.5	5.7	50.8	296	16.5	69.1	12.6
PD35699b	Control	Male	130	74	26.7	4.8	1.4	3	0.9	1.7	97.7	12.1	6.2	3.9	38.3	194	14.3	57	17.1
PD30111b	pre-AML	Female	112	64	20.1	8	1.7	5.6	1.7	1.3	88.9	12.4	5	4.4	39.1	392	14.6	51	4.6
PD35709b	Control	Female	126	72	21.2	4.5	1.5	2.6	0.9	3.1	95.8	13.9	11.1	4.5	43.4	249	14	73.3	17.4
PD29836b	pre-AML	Female	146	82	29.6	7.1	1.3	5.2	1.5	1.6	85.7	14.1	5.2	4.6	39.3	229	13.2	72.4	10
PD35635b	Control	Female	148	87	30.7	6.5	1.6	3.9	2.4	3.2	87.7	12.2	7.5	4.5	39.2	256	13	62.5	17.8
PD29978b	pre-AML	Male	146	86	27.4	6.7	1.2	4.5	2.3	-	-	-	-	-	-	-	-	65.4	12.3

PD35677b	Control	Female	158	86	24	6.6	1.3	4.6	1.6	1.5	88.7	13.5	6	4	35.7	234	12.3	71.9	16.5
PD35784b	Control	Female	156	92	27.1	7.4	2	4.5	2	2.4	94.4	13.2	5.6	3.8	35.6	285	12.5	68.5	16.4
PD35544b	Control	Male	144	82	27.9	6.5	0.8	4.1	3.7	2	87.7	12.7	5.2	5.1	44.9	363	15.4	52.9	17.2
PD35771b	Control	Male	140	88	27.3	6.6	2.1	3.9	1.5	2.3	94.4	13.1	6.1	4.9	46.5	216	14.8	63.6	17.7
PD35726b	Control	Male	152	90	26.2	6.5	2	4.2	0.8	1.7	97.7	12.9	5.3	4.3	41.9	234	14	79.3	15.9
PD35785b	Control	Male	142	90	27.6	5.3	1.9	3	1.3	1.2	91	13.5	5.8	5	45.5	331	15.2	56	15.8
PD35701b	Control	Male	118	76	25.8	6.8	1.5	4.6	1.7	1.2	93.3	12.7	5.3	5.2	48.6	274	15.7	73.4	17.5
PD35776b	Control	Male	122	66	27.2	6.6	1.3	4.3	2.4	2.2	90.4	13.4	7.8	4.5	40.7	196	14.1	71.6	8.2
PD29764b	pre-AML	Female	132	70	27.1	6.1	2.1	3.4	1.4	2.8	80.7	22	7.9	4.5	36.2	280	12.1	78.6	10.4
PD35683b	Control	Female	116	71	26.5	5.4	2	2.8	1.4	1.3	91	12.9	5.8	3.9	35.5	193	12.6	69.6	16.1
PD35607b	Control	Male	153	90	25.9	5.6	1.1	3.5	2.3	1.3	90.5	13.6	6.2	4.2	37.8	255	13.9	77.6	17.2
PD35533b	Control	Male	135	88	26.2	5.2	1.7	3	1.2	2	89	13.5	6.3	4.8	43.2	293	14.1	58.3	16.2
PD30154b	pre-AML	Female	132	88	25.4	8.4	1.2	4.8	5.4	2.3	84.9	14.4	8.4	4.9	42	296	14.1	63.9	15.7
PD35555b	Control	Female	132	77	20.7	6.9	2.7	3.8	1	1.2	87	13.5	5.2	4.6	40.2	258	13.9	72.8	16.1
PD35614b	Control	Male	122	76	27.6	4.1	1.1	2.6	0.9	1.8	90.4	14.3	6.4	5.4	49	268	15.9	71.1	18
PD35517b	Control	Female	122	74	27.7	6.2	2.7	3.1	1.3	2.1	89.2	13.4	7.7	4.5	40	406	13.7	53.9	16.2
PD29896b	pre-AML	Female	148	98	27.8	8.2	1.2	5.4	3.6	3	93.9	15.4	8.4	4.3	40.7	325	13.7	70.6	6.4
PD29946b	pre-AML	Female	141	86	29.9	5.6	1.2	3.8	1.5	2.2	85.9	13.1	6.9	4.4	37.9	287	13.5	74	14.9
PD35597b	Control	Female	130	72	19.5	6.2	2.3	3.5	0.9	1.4	88.4	12.5	5.3	4.3	38.1	264	14.2	45.6	16.6
PD35789b	Control	Male	111	78	24.6	6.1	1.3	3.7	2.6	1.9	92.2	13.5	5.3	4.8	43.8	315	14.8	51.6	17.1
PD35539b	Control	Female	120	74	23.6	7.4	1.7	5.3	1	1.9	94	11.9	5.3	4.3	40.6	255	13.6	63.8	16.4
PD35679b	Control	Female	148	88	22	5.3	1.9	2.5	2	1.4	89.5	12.6	7	3.9	35.2	332	12	69.7	17.4
PD30060b	pre-AML	Female	160	92	24.1	5.3	1.7	3	1.5	2.4	87.3	14.7	7.1	4.3	37.2	401	12.4	78.5	15.2
PD35681b	Control	Male	131	72	21.2	7.1	2	4.7	1	1.6	84.2	14	5	5	42.3	209	14.8	57.7	17.2
PD29933b	pre-AML	Male	148	92	24.9	5.5	1.7	3.3	1.1	1.1	95.2	13.2	3.7	4.2	40	161	14.5	77	5.8
PD35590b	Control	Female	124	70	26.7	7.1	1.6	4.7	1.8	1.5	86.6	12.5	5	4.6	39.5	278	13.8	70.2	17
PD35546b	Control	Female	112	68	21.3	7.5	1.3	5.7	1.3	0.8	91.2	14.3	3.7	4	36.5	243	11.9	52.5	15.6
PD35521b	Control	Female	182	106	28.7	6.4	2	3.8	1.5	1.3	87	14	6.6	4.3	37	180	13.3	79.5	16
PD35570b	Control	Male	146	86	32.6	6.6	1.3	4.3	2.2	2.2	89.3	13.7	5.4	5	45	223	16.2	60.2	16.9
PD35696b	Control	Male	146	78	25.8	7.2	2	4.9	0.8	1.5	90.7	12.9	4.7	4.5	40.5	208	14.5	65.7	16.3
PD35551b	Control	Female	148	79	29.2	3.5	1.2	1	2.9	3.1	76.9	18	9.8	5.2	40.1	312	11.8	53.5	15.7
PD35554b	Control	Male	152	88	29.2	6.1	0.9	3.7	3.4	2	92.3	13.5	6.9	5.2	47.6	264	15.5	73.6	18
PD35527b	Control	Male	110	76	26	5.2	1.8	2.9	1.1	2.2	91.1	13.7	5.9	4.6	42	321	14.8	50.1	16.2
PD30120b	pre-AML	Male	120	74	27.9	6.2	1.7	4.1	1	1.3	90	13.1	4.9	4.6	41.6	205	14.6	72.2	12.3
PD35560b	Control	Female	152	97	31.7	5.7	2	3.2	1.1	2.7	89	13	7.4	4.1	36.3	39	12.8	69.6	17
PD35566b	Control	Female	120	84	18.6	5.8	2.9	2.4	1.1	2.2	88.3	13.3	5.6	4.3	38.3	253	12.7	57	17.7
PD35663b	Control	Male	128	86	28.7	5.5	0.9	3.8	1.9	2.2	90.8	12.6	6.2	4.5	40.7	220	13	54	17.8
PD35617b	Control	Male	174	100	26.6	4.4	2	1.8	1.4	2.2	94.8	13.8	7.2	4.2	39.8	263	13.5	79.6	17.3
PD35698b	Control	Female	148	90	28	5.1	1.1	3.5	1.2	2	82	14.4	5.4	4	33.1	289	11.1	71.3	17.4
PD35510b	Control	Male	144	82	23.1	5.2	0.8	3.8	1.5	1.8	92.9	14.3	7.9	3.7	34.6	715	11.4	74.4	13.6
PD35746b	Control	Male	147	88	23.8	7.5	1.5	4.8	2.8	1.4	86.3	14.3	4.8	4.4	38.3	220	14.2	65.3	17.2
PD35561b	Control	Male	154	94	31.2	5.3	1	3.2	2.6	1.5	88.6	13.4	7.7	4.9	43.3	262	15.2	77.5	15.5
PD35538b	Control	Female	118	74	26.2	5.7	2.3	3	0.9	2.8	91.6	14.7	7.6	4.2	38.7	215	12.7	62.9	17.6
PD35718b	Control	Male	132	75	24.8	5.5	1.1	3.4	2.3	1.2	93	12.6	4	4.6	43.2	186	15.6	63.7	16.5
PD35767b	Control	Male	139	90	29.3	6.7	1.2	4.7	1.8	-	-	-	-	-	-	-	-	51.7	12.3
PD35761b	Control	Male	146	80	29.9	4.4	0.9	2.5	2.2	2.4	97.9	13.8	10.6	4.3	42.6	210	14.5	71	12.8
PD35562b	Control	Male	113	66	26.5	6	1.1	3.5	3.1	1.5	90	13	4.7	4.8	42.8	201	13.8	69.2	10.4
PD35714b	Control	Male	129	84	24.5	6.5	1	3.8	3.8	1.2	87.6	14	4.9	5	43.5	186	14.9	59.3	16.4
PD35648b	Control	Female	130	79	27.4	6	2	3.5	1.2	1.8	89.3	12.8	4.4	4.2	38	213	13.1	76	14.2
PD35516b	Control	Female	125	70	22.9	6.1	2.1	3.6	0.9	2.5	88.5	12.6	8.2	4.7	41.4	261	14.2	66.4	16.5
PD35778b	Control	Male	171	100	29.8	5.8	1.6	3.9	0.8	2	88.5	13.3	6.3	5.2	45.7	185	15.8	66.4	17
PD35621b	Control	Male	138	84	23.5	5.7	2.4	2.5	1.9	2	98.1	12.4	4.3	4.5	44.6	176	14.6	61.1	17.7
PD35530b	Control	Female	123	74	23.3	5.9	2.8	2.8	0.8	1.5	82.8	13	5.5	3.7	30.9	267	11	50.3	16.1
PD29851b	pre-AML	Female	130	80	27.7	6.8	1.2	4.2	3.1	3	91.8	12.9	8.7	4.7	43	238	15.1	60.4	12.2
PD29874b	pre-AML	Male	110	68	25.4	5.5	1.6	3.4	1.1	1.6	86.7	14	6.7	5.4	47.2	228	16.1	74.2	3.8
PD35788b	Control	Female	147	80	20.9	10	2.3	6.9	1.8	2.6	95.9	12.3	8.5	4.1	38.9	282	14.1	72.6	17
PD35675b	Control	Female	139	84	29.7	6.1	1.6	3.4	2.5	2.5	83.4	14.1	7.3	4.5	37.9	319	13	58.3	17
PD30116b	pre-AML	Male	152	88	26.7	5.5	1.1	3.6	1.8	1.7	90.2	14.8	6.3	4.2	38	183	13.7	72.8	5.1
PD35719b	Control	Male	136	98	29	7.6	1	6.1	1.2	1.8	91.7	12.2	6	5.2	47.4	206	16	56	17.9
PD35531b	Control	Female	144	93	28.3	5.7	1.4	3.5	1.8	1.9	88.4	13.3	6.6	4.8	42.5	229	13.8	62.1	17.6
PD35774b	Control	Female	110	70	28.1	4.9	2.1	2.4	0.9	1.1	102	13.6	3.2	3.6	37	227	11.9	65.9	15.5
PD35644b	Control	Female	137	79	32.8	8	1.4	5.7	2	1.9	90.4	14.9	6.4	4.4	39.4	157	12.7	62.8	17.7
PD35765b	Control	Female	132	82	19.2	5.5	2.1	2.5	2	2.5	90.1	13.4	9.8	4.8	42.8	322	15.5	73.8	14.6
PD35783b	Control	Female	146	88	27.7	5.2	1.6	2.9	1.7	1.7	87.2	12.3	4.3	4.1	35.7	253	12.6	52.3	16.7
PD35628b	Control	Male	124	86	30.1	7.3	1.3	5.2	1.9	1.9	90.4	15.2	5.3	4.6	42	225	14.7	79	16.7
PD35766b	Control	Female	155	88	27.2	6.6	1.7	3.5	3.1	2	92.2	11.8	5.2	4.7	43.1	148	15.2	76.3	13.9
PD35629b	Control	Female	152	86	27.6	5.7	1.3	4	1	1.8	89.2	13.3	6.2	4.1	36.5	275	12.8	78.8	16.6
PD35585b	Control	Female	104	64	20.9	6.9	1.6	4.9	1	1.6	88.3	12.8	4.3	4.8	42.4	217	14.2	71.8	17
PD35592b	Control	Male	117	76	24.8	6	1.5	3.3	2.7	2.5	84.9	14.4	7.3	4.9	41.9	178	15	58.3	16.9
PD35588b	Control	Female	134	80	27.7	5.1	1.5	2.7	2.1	2.1	88.4	13.6	5.4	5	44.5	207	14.3	57.7	17.7
PD35713b	Control	Male	102	64	21	5.3	1.4	3.7	0.6	1.2	93.1	14.3	4.3	4.7	43.3	159	14.2	59.6	15.6
PD35568b	Control	Male	145	88	25.4	5.5	1.2	3.3	2.3	1.7	91.9	13.5	5.4	4.8	44.2	321	15.4	71.8	16.3
PD29856b	pre-AML	Male	130	82	30.3	4	0.9	2.1	2.3	2.6	83.4	13.6	7	6.4	53.1	238	17.9	61.5	17.8
PD35557b	Control	Male	162	82	25.8	5.7	1.6	3.6	1.2	1	95.2	13.5	6.3	4.7	44.8	229	14.6	78	15.3
PD35603b	Control	Male	123	76	33.9	5.4	1.2	3.4	1.8	2.3	89.1	13.5	8.2	6.3	56	379	16.6	43.9	15.6
PD35669b	Control	Male	176	94	23.9	5.7	1.3	3.4	2.3	1.6	90	13.3	4.2	4.1	37.1	174	14.3	73.1	16.8
PD29935b	pre-AML	Male	140	92	28	6	1.2	4.3	1.2	2.1	81.5	14.6	6.7	4.4	36	304	12.4	65	17.7
PD29960b	pre-AML	Female	106	64	20.8	3.9	1.6	1.6	1.6	1.8	97	14.4	7.1	3.8	37.3	120	13.2	59.6	7.9
PD35602b	Control	Male	139	82	28.4	7.9	1.6	5.3	2.4	2.3	78.8	12.6	8.1	5.6	44.4	141	15.3	66.7	17.5
PD35535b	Control	Male	150	90	28.8	5.6	1.6	3.6	0.9	2.1	88.8	13.5	7.1	5.6	49.5	272	16.5	61.8	15.9
PD35584b	Control	Male	126	76	29.5	4.8	0.9	3.4	1.3	2.4	95.2	12.6	7.7	4.5	43	254	14.1	59	17.9
PD35532b	Control	Female	142	82	26.9	5.4	1.2	3.3	2	2.3	89.1	13	7.4	4.5	40.3	255	14.4	65.8	16.2
PD30010b	pre-AML	Male	138	78	28.5	6.6	1	3.1	5.6	1.9	105	15.1	3.9	3.3	34.2	106	12.4	70	12.7
PD35513b	Control	Male	152	88	26.8	3.6	1.8	1.1	1.6	1.2	91.8	12.5	5	4.5	41.1	217	15	70.5	16.2
PD35772b	Control	Male	156	90	35.9	6.5	1.3	4.3	2.1	2.5	87.2	12.7	8.7	4.7	40.5	269	14.8	60.5	16.8
PD35604b	Control	Male	129	72	27.4	3.6	1.4	1.9	0.8	2.2	88.1	12.7	6.3	5.2	45.7	229	15.9	58.4	17.4
PD35606b	Control	Male	130	86	28.4	7.3	1.7	5.1	1.3	2.5	100	13.2	5.8	4.6	46.3	213	15	66.1	17.7
PD35618b	Control	Male	158	92	27.7	5.2	1.6	3.1	1.1	2	89.4	13.2	5.1	4.8	42.8	241	15.4	77.9	13.2
PD35755b	Control	Female	100	60	23.9	6.9	1.5	4.5	2	1.9	91.4	13.6	5.3	4.1	37.4	265	12.9	71.4	16
PD35575b	Control	Female	134	81	24.2	5.9	3	2.2	1.6	1.3	86.9	13.3	5.1	4.6	39.6	243	13.4	79.3	14
PD35655b	Control	Male	158	91	25.2	6.2	1	4.1	2.6	1.8	90.2	14.1	6.5	4.2	38.2	347	13.1	66.2	16.4
PD35630b	Control	Female	156	90	24.7	6.4	2.8	3.4	0.6	2.1	88.8	13.3	6.5	4.2	36.8	236	13.2	70.3	17.4
PD35680b	Control	Female	149	88	22.3	6.4	1.5	4.2	1.7	2.4	93.7	12.6	6.6	4.1	38.6	222	12.2	76.4	17.5
PD29929b	pre-AML	Female	154	84	26.8	9.1	1.9	5.7	3.3	3.1	94.7	12.7	8.4	4.6	43.4	226	15.4	72	6.6
PD35559b	Control	Male	133	93	34.7	6	0.9	4.4	1.7	1.8	91	13.8	5.8	5.2	47.7	214	16	71.5	16.7
PD35649b	Control	Female	127	74	25.8	8.7	2	5.6	2.5	1.2	89.5	14.1	6.3	4.2	37.8	170	13.3	69.6	17.1
PD35537b	Control	Female	157	96	31.7	6.5	1.7	3.3	3.5	2.1	87.2	12.1	6	4.8	41.5	324	14.2	71.6	16.5
PD35563b	Control	Male	170	99	28.5	6.7	1.2	4.5	2.3	1.8	94	13.2	6.3	4.6	43.1	255	15.7	71.6	17
PD35666b	Control	Female	152	90	24.7	6.1	1.5	3.2	3.2	2.3	87.7	12.6	8	4.6	40.1	178	14.2	76.8	17.4
PD35577b	Control	Female	148	98	24.8	5.1	1.7	2.8	1.4	2	92	12.8	8.5	4.6	42.6	245	15.7	55.7	16.9
PD35687b	Control	Male	128	94	22.5	5.5	1.6	3.4	1.1	2.1	86.7	12.3	6.5	4.6	39.8	338	14	57.2	16.4
PD35695b	Control	Male	165	91	24.2	7.3	1.3	5	2.3	1.7	91.9	12.8	6	4.8	44.1	216	15.7	77.2	15.9
PD29918b	pre-AML	Male	135	82	28.7	5.3	0.9	3.7	1.7	2.1	97.5	13.9	6.3	5.4	53.2	189	16.1	82	13.4
PD35653b	Control	Male	140	83	25.2	4.3	1	2.9	0.9	2.5	81.2	14.3	7.8	5.2	42.5	136	13.8	74.1	13.1

PD35574b	Control	Male	130	72	27.8	6.1	1.4	3.7	2.4	2.2	86.1	12.7	8	4.8	41.2	267	13.3	59.3	17.5
PD35597c	Control	Female	130	78	22.9	6.3	1.8	4.2	0.8	-	-	-	5.8	-	-	-	-	54.6	16.6
PD35510c	Control	Male	114	70	24.1	4.7	1.1	2.8	1.8	1.9	-	-	7.2	-	-	-	-	82.5	13.6
PD35540c	Control	Male	102	70	-	4.2	1.4	2.3	1.3	1.5	-	-	6.8	-	-	-	-	74.9	11.3
PD35731c	Control	Male	141	93	29	8.2	1.2	5	4.5	2.4	-	-	6.9	-	-	-	-	79.3	17.8
PD35762c	Control	Female	152	73	25.5	5.2	1.7	3.2	0.7	1.7	-	-	7.3	-	-	-	-	84.4	16.4
PD35553c	Control	Male	122	56	25.4	4.9	1.1	2.3	3.5	1.8	-	-	5.2	-	-	-	-	79.7	21.5
PD35660c	Control	Female	144	84	26.7	4.9	1.1	3.1	1.5	1.8	-	-	4.4	-	-	-	-	74.2	21.1
PD35533c	Control	Male	149	88	27.5	4.3	1.6	2.2	1.3	2.2	-	-	7.8	-	-	-	-	66.4	16.2
PD35558c	Control	Male	140	71	23.1	3.4	1.5	1.5	0.9	1.2	-	-	6.5	-	-	-	-	82.4	15.9
PD35733c	Control	Female	154	85	29.2	5.7	1.7	3.3	1.6	2.2	-	-	5	-	-	-	-	72.2	20.4
PD35585c	Control	Female	121	68	21.6	6.5	1.6	4.4	1.1	1.5	-	-	4.6	-	-	-	-	79.8	17
PD35768c	Control	Female	142	70	31.8	4.8	1.8	2.6	0.9	1.7	-	-	5.2	-	-	-	-	83.3	21.1
PD35777c	Control	Male	146	84	28.1	3.3	1	0.8	3.4	2.9	-	-	8.4	-	-	-	-	75.4	19.6
PD35787c	Control	Male	132	82	28.5	2.8	1.3	1.3	0.5	1.2	-	-	7.2	-	-	-	-	80.5	20.7
PD35606c	Control	Male	142	89	29.9	5.4	1.7	3.3	1	2	-	-	5.3	-	-	-	-	76.4	17.7
PD35548c	Control	Male	150	82	26.8	5.3	1.4	2.9	2.4	0.8	-	-	5.7	-	-	-	-	88.1	8.7
PD35759c	Control	Female	112	82	23.7	6.5	1.5	3.6	3.1	2.5	-	-	7.6	-	-	-	-	63	16.3
PD35633c	Control	Male	86	40	23.2	4.4	1.2	2.9	0.7	1.1	-	-	7.2	-	-	-	-	84.8	12.4
PD35771c	Control	Male	156	98	25.9	4.9	2	2.5	0.9	1.9	-	-	6	-	-	-	-	73.4	17.7
PD35677c	Control	Female	137	74	25.5	4.2	1.8	2.1	0.8	1.3	-	-	5.7	-	-	-	-	82.4	16.5
PD35584c	Control	Male	108	74	28.3	3.8	1	2.4	1.2	1.7	-	-	6.8	-	-	-	-	68	17.9
PD35582c	Control	Female	146	81	25.8	6.8	1.5	4.3	2.4	2.7	-	-	8.2	-	-	-	-	83.2	16.3
PD35595c	Control	Male	130	68	25.6	5.9	1.7	3.7	1.3	2.1	-	-	6.5	-	-	-	-	80.6	21.3
PD35613c	Control	Female	148	88	31.8	5.8	1.9	2.9	2.3	1.8	-	-	4.3	-	-	-	-	76.2	21
PD35552c	Control	Male	112	74	24.2	4.9	1.4	3.1	1	1.5	-	-	9.1	-	-	-	-	71.9	18.9
PD35652c	Control	Female	120	70	34.4	3.9	1	2.6	0.7	1.2	-	-	3.7	-	-	-	-	72.8	19.6
PD35586c	Control	Male	142	88	19.8	5.4	1.9	3.2	0.7	1.8	-	-	7.4	-	-	-	-	79.5	17.3
PD35516c	Control	Female	147	83	23.6	4.3	1.9	2	1	1.7	-	-	6.7	-	-	-	-	74.6	16.5
PD35575c	Control	Female	151	82	23.2	6.5	2.8	3	1.8	1.4	-	-	5.7	-	-	-	-	87	14
PD35644c	Control	Female	130	70	31.8	5.1	1.5	3.1	1.3	1.6	-	-	6.7	-	-	-	-	73	17.7
PD35756c	Control	Male	142	80	23.4	4.6	0.8	2.9	2.1	1.2	-	-	6.3	-	-	-	-	87.6	16.8
PD35579c	Control	Female	138	66	30.9	4.2	1.6	1.9	1.6	2.2	-	-	7.1	-	-	-	-	78.2	20.6
PD35732c	Control	Female	116	72	25.7	4.7	1.8	2.6	0.8	-	-	-	3.6	-	-	-	-	65.9	17.1
PD35719c	Control	Male	139	94	28.6	6.9	1.1	5.3	1.2	1.3	-	-	5.1	-	-	-	-	66.2	17.9
PD35564c	Control	Male	127	58	33.1	3.7	1.1	1.8	2	1.9	-	-	9.2	-	-	-	-	84.2	13.7
PD35779c	Control	Male	142	80	28.2	5.1	0.9	2.6	3.6	2.7	-	-	7.4	-	-	-	-	69	10
PD35600c	Control	Female	154	67	31.4	8.8	1.9	5.6	3	1	-	-	6.1	-	-	-	-	86.7	7.6
PD35778c	Control	Male	138	83	29.8	5.2	1.1	2.7	3.1	2.3	-	-	5.9	-	-	-	-	76.6	17
PD35758c	Control	Male	142	90	35.2	4.4	1.5	1.9	2.2	1.6	-	-	7.3	-	-	-	-	75.8	21
PD35630c	Control	Female	138	73	23	5.5	2.2	3.1	0.6	1.4	-	-	7.7	-	-	-	-	80.3	17.4
PD35592c	Control	Male	149	84	23.7	5.8	1.6	3.6	1.3	2.3	-	-	7	-	-	-	-	66.7	16.9
PD35738c	Control	Female	152	90	23.9	4	1.6	2	0.9	1.6	-	-	6.6	-	-	-	-	74.6	22.1
PD35545c	Control	Male	106	72	31.7	3.8	1.3	1.8	1.6	1.1	-	-	5.1	-	-	-	-	82	20.4
PD35568c	Control	Male	136	82	25.4	5.4	1.4	3	2.4	1.6	-	-	6.6	-	-	-	-	79.9	16.3
PD35684c	Control	Female	126	76	22.8	5.9	2.1	3.1	1.6	2.4	-	-	9.4	-	-	-	-	56.5	19.7
PD35574c	Control	Male	126	70	29	5.7	1.3	3.9	1.1	2.8	-	-	7	-	-	-	-	68.2	17.5
PD35559c	Control	Male	110	70	31.4	4.2	1.6	2.2	0.9	-	-	-	6.8	-	-	-	-	80.5	16.7
PD35561c	Control	Male	160	80	32.2	4.5	1.2	2.3	2.4	1.4	-	-	7	-	-	-	-	85.9	15.5
PD35665c	Control	Male	128	73	25.4	4.5	1.6	2.3	1.4	1.7	-	-	6.4	-	-	-	-	80.2	22
PD35724c	Control	Male	137	71	26.3	4.8	0.9	-	4.7	2.3	-	-	9.2	-	-	-	-	77.9	21.5
PD35534c	Control	Female	111	66	22.2	7.2	2.2	4.5	1.1	1.6	-	-	4.5	-	-	-	-	74.5	16.8
PD35669c	Control	Male	139	69	23.9	4.4	1.2	2.4	1.8	1.4	-	-	5.9	-	-	-	-	81.5	16.8
PD35624c	Control	Female	160	91	27.3	6.5	0.7	-	4.6	1.1	-	-	4.7	-	-	-	-	84.7	21.7
PD35647c	Control	Female	138	70	29.1	4.3	1.5	2.3	1.2	1.8	-	-	6.9	-	-	-	-	87.3	21.8
PD35544c	Control	Male	165	92	26.4	6.3	1.3	3.5	3.3	1.6	-	-	4.2	-	-	-	-	61.2	17.2
PD35616c	Control	Male	129	72	33.8	5.1	1	3.5	1.5	1.9	-	-	7	-	-	-	-	79.6	21
PD35520c	Control	Female	114	68	29.3	4.7	1.4	1.5	4.1	2.4	-	-	7.4	-	-	-	-	55.6	18
PD35634c	Control	Female	133	63	24.7	7.7	2.7	4.4	1.4	2.1	-	-	5.6	-	-	-	-	61.4	7.9
PD29914c	Control	Male	121	60	33.3	3	0.9	1.6	1.2	1	-	-	5.6	-	-	-	-	66.8	1.1
PD35538c	Control	Female	130	84	26.8	4.9	1.9	2.8	0.5	2	-	-	6.4	-	-	-	-	72.9	17.6
PD35709c	Control	Female	135	70	22.1	5.1	2.8	1.9	1	1.8	-	-	7.9	-	-	-	-	83.7	17.4
PD35620c	Control	Female	156	93	19.3	6	2.8	2.8	0.9	-	-	-	4.6	-	-	-	-	66.9	17.6
PD35560c	Control	Female	137	72	31.8	3.7	1.7	1.3	1.6	0	-	-	6.6	-	-	-	-	77.7	17
PD35770c	Control	Male	140	85	24.6	5.5	1.6	3.5	0.9	1	-	-	4.4	-	-	-	-	81	8
PD35556c	Control	Female	129	76	24.3	4.9	1.8	2.5	1.4	2.8	-	-	8.6	-	-	-	-	76.4	20.8
PD35635c	Control	Female	144	92	33.8	6.4	1.3	4	2.6	2.7	-	-	6.1	-	-	-	-	72.9	17.8
PD35661c	Control	Male	122	72	29.3	4.4	1.3	2.5	1.4	1.2	-	-	7.2	-	-	-	-	81.9	17.9
PD35773c	Control	Female	111	70	32.3	4	1.8	1.7	1.1	1.4	-	-	6.8	-	-	-	-	85.5	19.3
PD35508c	Control	Female	144	74	27.2	4.5	1.9	2.1	1.3	1.1	-	-	5.3	-	-	-	-	79.4	21.4
PD35578c	Control	Female	208	102	22.8	6.7	1.8	4.2	1.7	2.1	-	-	7.2	-	-	-	-	86.1	7.7
PD35761c	Control	Male	144	76	31.7	3.1	1.1	1.5	1.1	1	-	-	10.4	-	-	-	-	81.2	12.8
PD35594c	Control	Female	163	94	27.6	6.4	1.4	4.5	1.3	2.4	-	-	5.2	-	-	-	-	76.7	17.6
PD35637c	Control	Male	123	80	25.8	5.7	1.7	3.7	0.7	1.5	-	-	5.8	-	-	-	-	69.5	15.6
PD29935d	pre-AML	Male	102	72	27.9	3.4	1	1.7	1.6	1.6	-	-	7.6	-	-	-	-	73.1	17.7
PD35612c	Control	Female	140	72	39.1	4.2	1.8	1.8	1.4	1.6	-	-	7.6	-	-	-	-	71.2	21.9
PD35699c	Control	Male	142	90	27.7	5.3	1.6	3.2	1.1	2	-	-	5.7	-	-	-	-	66.7	17.1
PD35570c	Control	Male	150	88	33.6	5.9	1.3	3.7	2.1	1.4	-	-	5.9	-	-	-	-	68.6	16.9
PD35656c	Control	Female	150	82	27.6	5.9	1.2	3.3	3.1	2.6	-	-	3.6	-	-	-	-	75.4	10.2
PD35526c	Control	Male	139	69	27	4.1	1.4	2.2	1.3	1.8	-	-	7.2	-	-	-	-	80.4	20.7
PD35581c	Control	Male	136	77	22.5	5.1	1.1	3.5	1.2	2.1	-	-	10.2	-	-	-	-	77.2	17.3
PD35788c	Control	Female	146	70	22.8	4	1.9	1.8	0.8	1.7	-	-	6.3	-	-	-	-	82.4	17
PD35722c	Control	Male	136	84	28.3	4.6	1.2	2.4	2.3	1.5	-	-	5.1	-	-	-	-	70.9	21.5
PD35590c	Control	Female	142	62	26.8	4.4	1.7	2.1	1.4	1.8	-	-	6.9	-	-	-	-	78.3	17
PD35532c	Control	Female	124	66	27.4	4.6	1.4	2.6	1.4	1.7	-	-	6.4	-	-	-	-	73.9	16.2
PD35760c	Control	Male	126	62	34.9	3.9	1	2.4	1.1	1.5	-	-	7.6	-	-	-	-	80.5	19.8
PD35748c	Control	Female	146	72	26.5	3.4	1.4	1.5	1.1	1.6	-	-	8.1	-	-	-	-	76.4	8.3
PD35740c	Control	Male	128	66	25.2	4.4	2.1	1.8	1.1	1.2	-	-	4.9	-	-	-	-	84.1	21.8
PD35563c	Control	Male	151	82	30.2	4.4	2	2	1	0.8	-	-	10.5	-	-	-	-	80	17
PD30058d	Control	Female	147	77	26.5	5.9	1.5	3.6	1.8	-	-	-	-	-	-	-	-	67.4	19.3
PD35785c	Control	Male	139	90	28	6.3	1.7	4.1	1.2	1.1	-	-	7.6	-	-	-	-	64.6	15.8
PD35695c	Control	Male	138	72	25.3	6.8	1.2	4.2	3.2	1.4	-	-	7.1	-	-	-	-	85	15.9
PD35659c	Control	Male	126	68	23.6	5.2	1	2.9	2.9	2.1	-	-	13.4	-	-	-	-	80.4	20.3
PD35576c	Control	Male	141	77	32.7	4.7	1.4	2.4	2.1	2.1	-	-	8.8	-	-	-	-	68.4	8.7
PD35583c	Control	Male	112	61	24.9	2.7	1.1	1.2	0.8	1.4	-	-	9.3	-	-	-	-	83.9	11.5
PD35702c	Control	Male	124	76	27.7	3.7	1	1.4	2.9	1.3	-	-	4.7	-	-	-	-	81.2	22
PD35772c	Control	Male	161	88	39.4	5.9	1.2	3.5	2.7	2.8	-	-	10.6	-	-	-	-	68.8	16.8
PD35765c	Control	Female	151	82	18.6	6.2	3.2	2.5	1.3	0.5	-	-	10	-	-	-	-	81.9	14.6
PD35673c	Control	Male	116	71	27.6	6.6	1.8	4.3	1.2	1.1	-	-	5.3	-	-	-	-	61.9	19.8
PD35573c	Control	Female	196	86	20.3	5	1.1	3.5	1	2.3	-	-	6.6	-	-	-	-	84.1	19.3
PD35618c	Control	Male	130	70	27.8	3.7	1.2	2	1.2	1.2	-	-	5.4	-	-	-	-	86.5	13.2
PD35591c	Control	Female	152	70	23.1	6	1.6	3.8	1.4	2.3	-	-	8.1	-	-	-	-	66.5	17.2
PD35519c	Control	Female	137	74	32.6	7.7	1.9	4.6	2.7	3.1	-	-	8.2	-	-	-	-	77.7	20.2
PD35782c	Control	Male	144	86	20.1	5.5	2.7	2.5	0.7	-	-	-	4.7	-	-	-	-	61.5	20.5

PD35580c	Control	Female	110	70	22.7	3.7	1.4	1.8	1.2	2	-	-	6.4	-	-	-	-	81	21.3
PD35639c	Control	Female	143	84	25.5	6	1.4	3.8	2	2.1	-	-	5.1	-	-	-	-	74.4	17.3
PD35767c	Control	Male	148	82	29.5	6	1.6	3.9	1.2	2.2	-	-	8.1	-	-	-	-	60.4	12.3
PD35514c	Control	Female	131	70	24.2	7.7	2	5	1.7	1	-	-	8.7	-	-	-	-	84.7	20.7
PD35555c	Control	Female	140	76	19.2	5.3	2.6	2.2	1.2	0.8	-	-	6.6	-	-	-	-	80.8	16.1
PD35607c	Control	Male	160	88	26.4	4.9	1.3	3.1	1.1	1.2	-	-	6.6	-	-	-	-	87.3	17.2
PD35755c	Control	Female	118	74	23.3	5.5	1.3	3.4	1.8	1.6	-	-	4.7	-	-	-	-	77.8	16
PD35698c	Control	Female	152	76	27.4	5.2	1	3.6	1.4	1.8	-	-	5.9	-	-	-	-	81.1	17.4
PD35648c	Control	Female	121	74	27.1	5.7	1.7	3.4	1.4	1.7	-	-	4.2	-	-	-	-	85.8	14.2
PD35746c	Control	Male	166	87	23.6	5.2	1.8	2.3	2.6	1.9	-	-	6.1	-	-	-	-	74.9	17.2
PD35596c	Control	Male	106	62	18.2	4.1	1.4	2.4	0.7	0.6	-	-	2.4	-	-	-	-	58.6	19.8
PD35577c	Control	Female	142	94	27.9	5	1.8	2.6	1.4	2.1	-	-	6.2	-	-	-	-	63.8	16.9
PD35571c	Control	Female	131	61	23.8	4.5	1.6	2.3	1.4	1.7	-	-	5.4	-	-	-	-	61.1	17.3
PD35710c	Control	Female	128	66	29.1	5.2	1.6	3.1	1.2	-	-	-	4.2	-	-	-	-	80	17.2
PD35554c	Control	Male	129	64	29.9	5	0.9	2.6	3.3	1.9	-	-	7.5	-	-	-	-	82.3	18
PD29918d	pre-AML	Male	146	79	28.7	4.3	0.9	2.5	2	1.5	-	-	3.5	-	-	-	-	89.9	13.4
PD35766c	Control	Female	148	68	30.5	5.3	1.8	2.5	2.3	1.9	-	-	7.4	-	-	-	-	85.9	13.9
PD35565c	Control	Male	132	72	32.9	3.7	0.8	-	5	2	-	-	5.9	-	-	-	-	69.7	21.2
PD35562c	Control	Male	127	69	24.6	4.1	1.4	2	1.7	1.3	-	-	6.6	-	-	-	-	77.4	10.4
PD35623c	Control	Female	148	72	25.3	4.6	2.1	2	1.1	1.8	-	-	7.5	-	-	-	-	78.9	21.1
PD35569c	Control	Male	134	83	22.9	6	1.7	3.8	1.2	2.1	-	-	6.1	-	-	-	-	64.6	19.1
PD35789c	Control	Male	124	76	25.2	6.7	1.1	4.3	3	2.3	-	-	5.4	-	-	-	-	60.9	17.1
PD35786c	Control	Male	140	94	27.1	6.7	1	4.2	3.3	1.5	-	-	6.3	-	-	-	-	70.2	21.5
PD35550c	Control	Female	136	60	33	4.7	1.6	2.4	1.6	1.8	-	-	7.2	-	-	-	-	79.8	21.2
PD35622c	Control	Female	141	78	25.4	5.7	1.9	3.2	1.5	2.3	-	-	5.5	-	-	-	-	65.8	21.4
PD35780c	Control	Male	143	86	26	4	1.5	2.3	0.6	-	-	-	-	-	-	-	-	76.4	19.5
PD35546c	Control	Female	120	71	22.3	4.3	1.4	2.6	0.8	1.2	-	-	7	-	-	-	-	61.3	15.6
PD35763c	Control	Male	138	82	27.8	3.5	1	1.8	1.6	1.9	-	-	5.9	-	-	-	-	77.4	20.5
PD35783c	Control	Female	180	92	27.6	5.4	1.7	3.1	1.5	1.7	-	-	5.9	-	-	-	-	60.5	16.7
PD35566c	Control	Female	109	72	19.9	5.3	2.2	2.8	0.7	2	-	-	6.4	-	-	-	-	66	17.7
PD35757c	Control	Female	132	80	28.6	7.3	1.4	-	4.8	1.5	-	-	6.2	-	-	-	-	75.2	18.5
PD35542c	Control	Female	150	86	30.4	5.6	1.4	3.3	2.1	2.2	-	-	7.2	-	-	-	-	74.3	16.3
PD35605c	Control	Female	153	88	24.1	4	1.4	2.2	1	-	-	-	3.3	-	-	-	-	75.8	21.7
PD35528c	Control	Female	156	83	31.4	7.8	1.8	5.3	1.6	2	-	-	6.5	-	-	-	-	64.2	18.8
PD35589c	Control	Female	121	68	21.9	4.8	1.5	2.8	1.3	0.9	-	-	5.7	-	-	-	-	76.1	20.9
PD35557c	Control	Male	148	74	26.4	4.5	1.7	2.7	0.4	0.7	-	-	5.2	-	-	-	-	86.9	15.3
PD35531c	Control	Female	158	95	26.1	4.6	1.5	2.4	1.6	1.6	-	-	7.4	-	-	-	-	70.5	17.6
PD35507c	Control	Male	178	117	24.8	6.5	2	4.3	0.6	1.8	-	-	5.6	-	-	-	-	68.4	21.9
PD35704c	Control	Male	130	84	27.3	3.7	1.2	1.7	1.8	3	-	-	7.2	-	-	-	-	64.6	16.2
PD35764c	Control	Male	133	76	27.1	4	1.1	2.4	1.1	1.7	-	-	8.9	-	-	-	-	76.1	21.4
PD35628c	Control	Male	139	86	28.5	4.1	1.4	2.3	1	1.4	-	-	6.1	-	-	-	-	89.9	16.7
PD35781c	Control	Male	140	78	30	4.1	1	2.6	1.3	1.6	-	-	7.4	-	-	-	-	73.3	21.6
PD35588c	Control	Female	110	71	29	4.8	1.4	2	2.9	2.1	-	-	6.7	-	-	-	-	67.6	17.7
PD35662c	Control	Female	140	82	22.5	6.9	1.6	5	0.8	1.2	-	-	6.2	-	-	-	-	83.4	17.7
PD35587c	Control	Female	106	64	30	5.2	1.8	2.9	1.3	3.1	-	-	9.6	-	-	-	-	82	21.3
PD35726c	Control	Male	152	80	25.4	6	1.6	4.1	0.8	1	-	-	6.2	-	-	-	-	85.6	15.9
PD35539c	Control	Female	123	72	24.5	4.9	1.6	2.5	1.8	2.1	-	-	7.5	-	-	-	-	72.2	16.4
PD35572c	Control	Male	134	90	31.6	5.3	1.4	2.8	2.5	2.7	-	-	7.9	-	-	-	-	60.5	20.2
PD30089c	pre-AML	Female	142	60	28.5	4.6	1.4	2.9	0.7	1.4	-	-	4	-	-	-	-	75.6	13.5
PD35697c	Control	Female	138	68	23.2	5.7	1.5	3.6	1.5	2.3	-	-	6.9	-	-	-	-	78.6	20.7
PD35769c	Control	Female	162	89	24.6	6.3	2.4	3.4	1.3	1.6	-	-	5.7	-	-	-	-	74.2	15.7

Appendix 3: Childhood cancer survivor cohort details

Study ID	Sex	Diagnosis	Age at diagnosis	Months since cytotoxic treatment
1	female	NB	15.4	64.3
2	male	RMS	11.1	21.7
3	female	ALL	5.7	132.4
4	NA	ALL	NA	NA
5*	female	ALL	1.1	106.4
6	female	ALL	6.1	80.3
7	male	NB	6.3	231.9
8§	male	NHL	4.7	176.2
9	female	ALL	1.7	52.6
10§	male	ALL	6.9	298.2
11	female	GCT	9.3	25.9
12	male	RMS	6	102.9
13	female	NHL	7.1	103.9
14	male	ALL	6.9	177.4
15	female	NHL	9.4	80.1
16	male	NB	0.6	94
17*	male	LL	5.8	55.4
18	male	HL	14.8	136.6
19	male	WT	0.8	57.3
20	male	RMS	3.1	47.6
21	female	ALL	9.1	35.7
22	male	HL	10.9	43.5
23	male	ALL	4	49.5
24	male	HL	14.2	42.5
25	male	HB	0.3	112.9
26*	male	ALL	0.6	81.1
27	male	HL	7.1	86.2
28	male	GCT	15.4	26.7
29	male	RMS	5.8	76.2
30§	male	NHL	15.5	46.6
31	male	HL	25.4	48.5
32§	male	ES	4.6	141.5
33	male	LL	9.3	112.9
34	female	ES	3.3	74.3
35*	male	NB	2.3	102.9
36	male	NHL	2	46.4
37	male	NB	3.4	166.4
38	female	NB	1.7	124.8
39*	male	LL	3.2	112.9
40§	male	NB	0.5	289.3
41	female	WT	3.1	105.9
42	male	NB	0.9	268.4
43	female	NB	0.6	238.8
44	male	NHL	5.8	183.2

45	male	RMS	8.4	192.2
46	male	NRSTS	4.3	105.9
47	male	ALL	3	58.3
48	male	ALL	3.9	35.7
49	male	NB	5.5	NA
50	female	ES	13.4	69.2
51*	male	ALL	4.7	89.1
52	female	CCA	12.8	41.5
53	male	NB	4	73.3
54	female	WT	4.8	63.4
55	male	HL	15.3	46.4
56*	male	ALL	1.5	44.5
57	male	NPC	15.9	35.4
58	female	NHL	8.7	25.7
59	male	ALL	4.5	59.4
60	male	ALL	3.6	35.9
61	male	NB	5.8	34.5
62	male	NHL	2.6	59.3
63	male	NHL	9.1	62.4
64	female	RMS	3	80.1
65	female	NB	0.3	138.6
66	female	RMS	1.1	45.4
67	female	ALL	2.4	54.4
68	male	NHL	3.7	212.9
69	female	NRSTS	11	38.1
70	male	NB	0.4	45.4
71	female	LCH	3.7	88.1
72*	female	LCH	3.1	69.2
73	female	WT	3.8	142.7
74	female	GCT	0	131.8
75	male	GCT	15.4	NA
76§	female	WT	4.9	96.1
77	female	ALL	8.2	45.4
78§	female	NB	1.1	39.6
79	male	ALL	4.5	77.2
80§	male	NB	1.3	194.1
81	male	ALL	3.3	48.5
82	female	NB	0.3	75.2
83	male	ALL	3	75.2
84	male	ES	10.7	100

RMS, rhabdomyosarcoma; ALL, acute lympoblastic leukaemia; NB, neuroblastoma; NHL, non-Hodgkin lymphoma; GCT, germ cell tumour; LL, lymphoblastic lymphoma; HL, Hodgkin lymphoma; WT, Wilms tumour; ES, Ewing sarcoma; NRSTS, non-rhabdomyosarcoma soft tissue sarcoma; NPC, nasopharyngeal sarcoma; CCA, choriocarcinoma; LCH, Langerhans cell histiocytosis; NA, no data. Patients who received a haematopoietic stem cell transplant (HSCT) are indicated with the symbols * (allogeneic HSCT) or § (autologous HSCT).

Appendix 4: Custom myeloid cancer gene panel

ABL1	*CSF2RB*	*FBXW7*	*MLL2*	*PPFIA2*	*SMG1*
ASXL1	*CSF3R*	*FLT3*	*MLL3*	*PRPF40B*	*SMPD3*
ASXL2	*CTCF*	*FNDC1*	*MLL5*	*PRPF8*	*SRSF2*
ASXL3	*CUL1*	*GATA1*	*MPL*	*PTEN*	*STAG1*
ATRX	*CUL2*	*GATA2*	*MYB*	*PTPN11*	*STAG2*
BCOR	*CUL3*	*GNAS*	*MYC*	*PTPRT*	*STAT5B*
BRAF	*CUX1*	*GNB1*	*MYH11*	*RAD21*	*SUZ12*
CACNA1E	*DAXX*	*HRAS*	*NF1*	*RAD51*	*TERT*
CBFB	*DCAF7*	*IDH1*	*NOTCH1*	*RARA*	*TET2*
CBL	*DCLK1*	*IDH2*	*NOTCH2*	*RB1*	*TP53*
CBLB	*DIAPH2*	*IRF1*	*NPM1*	*RIT1*	*U2AF1*
CBLC	*DNMT1*	*JAK2*	*NRAS*	*RPS6KA6*	*U2AF2*
CBX7	*DNMT3A*	*JAK3*	*PDS5B*	*RUNX1*	*UGT2A3*
CDH23	*EED*	*KDM6A*	*PHACTR1*	*SETBP1*	*WT1*
CDKN2A	*EP300*	*KIT*	*PHF6*	*SF1*	*ZFP36*
CEBPA	*EPOR*	*KRAS*	*PHF8*	*SF3B1*	*ZRSR2*
CNTN5	*ETV6*	*LUC7L2*	*PHIP*	*SH2B3*	
CREBBP	*EZH2*	*MED12*	*PIK3CA*	*SMC1A*	
CSF1R	*FAM5C*	*MLL*	*PML*	*SMC3*	

Appendix 5: Multiplex PCR primer sequences

PLEX	PRIMER NAME	GENE	TARGETED EXON/CODON	PRIMER SEQUENCE3
1	ASXL1_exon12_a_F	ASXL1	exon12	ACACTCTTTCCCTACACGACGCTCTTCCGATCTGGACCCTCGCAGACATTAmAA
1	ASXL1_exon12_a_R	ASXL1	exon12	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTGCTGTAGATCTGACGTACACmUT
1	ASXL1_exon12_b_F	ASXL1	exon12	ACACTCTTTCCCTACACGACGCTCTTCCGATCTCAGTGGTGATGGTGGTGmAG
1	ASXL1_exon12_b_R	ASXL1	exon12	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTGGCATCTCCTAGCCCATmCT
1	ASXL1_exon12_c_F	ASXL1	exon12	ACACTCTTTCCCTACACGACGCTCTTCCGATCTCTACTACAGAGGGCTACAGTmUG
1	ASXL1_exon12_c_R	ASXL1	exon12	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTCTTGCTCCTCATCATCACTTmUC
1	DNMT3A_p.R693C_F	DNMT3A	p.R693C	ACACTCTTTCCCTACACGACGCTCTTCCGATCTCCTCATGTTCTTGGTGTTTTAT
1	DNMT3A_p.R693C_R	DNMT3A	p.R693C	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTTTTTCTCCCCCAGGGTATTTG
1	IDH1_p.R132H_F	IDH1	p.R132H	ACACTCTTTCCCTACACGACGCTCTTCCGATCTTAAATGTGTGTAAATATACAGTTAT
1	IDH1_p.R132H_R	IDH1	p.R132H	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTATTATCTGCAAAAATATCCCCC
1	IDH2_p.R172K_IDH2_p.R140Q_F	IDH2	p.R172K, p.R140Q	ACACTCTTTCCCTACACGACGCTCTTCCGATCTAAGAGGATGGCTAGGCGAGGA
1	IDH2_p.R172K_IDH2_p.R140Q_R	IDH2	p.R172K, p.R140Q	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTCTCACAGAGTTCAAGCTGAAG
1	JAK2_p.V617F_F	JAK2	p.V617F	ACACTCTTTCCCTACACGACGCTCTTCCGATCTAGTCTTTCTTTGAAGCAGCAAG
1	JAK2_p.V617F_R	JAK2	p.V617F	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTAGTTTACACTGACACCTAGCTG
1	KIT_exon17_F	KIT	exon17	ACACTCTTTCCCTACACGACGCTCTTCCGATCTTGGTTTTCTTTTCTCCTCCAAC
1	KIT_exon17_R	KIT	exon17	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTTCCTTTGCAGGACTGTCAAG
1	KRAS_p.G12R_F	KRAS	p.G12R	ACACTCTTTCCCTACACGACGCTCTTCCGATCTTGTTGGATCATATTCGTCCACA
1	KRAS_p.G12R_R	KRAS	p.G12R	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTAAGGTACTGGTGGAGTATTTGA
1	NPM1_p.L287fs*13_F	NPM1	p.L287fs*13	ACACTCTTTCCCTACACGACGCTCTTCCGATCTTGTTTGGAATTAAATTACATCTGA
1	NPM1_p.L287fs*13_R	NPM1	p.L287fs*13	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTAAAATTTTTTAACAAATTGTTTAAACT
1	NRAS_p.G12D_F	NRAS	p.G12D	ACACTCTTTCCCTACACGACGCTCTTCCGATCTATGGGTAAAGATGATCCGACAA
1	NRAS_p.G12D_R	NRAS	p.G12D	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTCGCCAATTAACCCTGATTACTG
1	SF3B1_p.K666N_F	SF3B1	p.K666N	ACACTCTTTCCCTACACGACGCTCTTCCGATCTACCCTGTCTCCTAAAGAAAAAA
1	SF3B1_p.K666N_R	SF3B1	p.K666N	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTTAGAGCTTTTGCTGTTGTAGC
1	SF3B1_p.K700E_F	SF3B1	p.K700E	ACACTCTTTCCCTACACGACGCTCTTCCGATCTTAGTAATTTAGATTTATGTCGCC
1	SF3B1_p.K700E_R	SF3B1	p.K700E	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTGGCATAGTTAAAACCTGTGTTT
1	SRSF2_p.P95L_F	SRSF2	p.P95L	ACACTCTTTCCCTACACGACGCTCTTCCGATCTTGCTTCGCCGCGGACCTTTGT
1	SRSF2_p.P95L_R	SRSF2	p.P95L	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTGAGGACGCTATGGATGCCATG
1	U2AF1_p.Q157R_F	U2AF1	p.Q157R	ACACTCTTTCCCTACACGACGCTCTTCCGATCTGGGTTGGAAGGAGACATTTAmCT
1	U2AF1_p.Q157R_R	U2AF1	p.Q157R	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTGAAAAGGCTGTGATTGACTTmGA
1	U2AF1_p.S34F_F	U2AF1	p.S34F	ACACTCTTTCCCTACACGACGCTCTTCCGATCTCGATCACCTGCCTCACTATTmAT
1	U2AF1_p.S34F_R	U2AF1	p.S34F	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTTTTCAAAATTGGAGCATGTCmGT
2	PPM1D_exon1_a_F	PPM1D	exon1	ACACTCTTTCCCTACACGACGCTCTTCCGATCTGAGCGCCTAGTGTGTCmUC
2	PPM1D_exon1_a_R	PPM1D	exon1	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTGCCTTTCCCCGAGACTmUC
2	PPM1D_exon1_c_F	PPM1D	exon1	ACACTCTTTCCCTACACGACGCTCTTCCGATCTGTTCCTCCGTGGCCTTmUT
2	PPM1D_exon1_c_R	PPM1D	exon1	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTCAAACAAGCCAGGGAACTTmAC
2	PPM1D_exon3_F	PPM1D	exon3	ACACTCTTTCCCTACACGACGCTCTTCCGATCTACTGAGCTATCTTAGTTGTTmGT
2	PPM1D_exon3_R	PPM1D	exon3	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTTGCCAAGTAAGGGTTTAGTTmCT
2	PPM1D_exon5_a_F	PPM1D	exon5	ACACTCTTTCCCTACACGACGCTCTTCCGATCTACAGATGTAGTGGCAGCTAAmAT
2	PPM1D_exon5_a_R	PPM1D	exon5	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTGTCATCACACAGGTTTCTTGmAC
2	PPM1D_exon6_a_F	PPM1D	exon6	ACACTCTTTCCCTACACGACGCTCTTCCGATCTTGCATAGATTTGTTGAGTTCTmGG
2	PPM1D_exon6_a_R	PPM1D	exon6	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTTGGAAGGCTATTATTCAAAGAATmCA
2	PPM1D_exon6_c_F	PPM1D	exon6	ACACTCTTTCCCTACACGACGCTCTTCCGATCTTTAGAAGAGTCCAATTCTGGmCC
2	PPM1D_exon6_c_R	PPM1D	exon6	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTTCAACATCGGCACCAAATTTmAA
2	TP53_exon1_F	TP53	exon1	ACACTCTTTCCCTACACGACGCTCTTCCGATCTTTCAAAGACCCAAAACCCAAmAA
2	TP53_exon1_R	TP53	exon1	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTTTGATTTGAATTCCCGTTGTmCC
2	TP53_exon10_a_F	TP53	exon10	ACACTCTTTCCCTACACGACGCTCTTCCGATCTATTGAAGTCTCATGGAAGCCmAG
2	TP53_exon10_a_R	TP53	exon10	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTCGGACGATATTGAACAATGGmUT
2	TP53_exon10_b_F	TP53	exon10	ACACTCTTTCCCTACACGACGCTCTTCCGATCTGAAGGGACAGAAGATGACAmGG
2	TP53_exon10_b_R	TP53	exon10	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTGACTGCTCTTTTCACCCATCmUA
2	TP53_exon11_F	TP53	exon11	ACACTCTTTCCCTACACGACGCTCTTCCGATCTGGACTGTAGATGGGTGAAAAmGA
2	TP53_exon11_R	TP53	exon11	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTAGACCTATGGAAACTGTGAGmUG
2	TP53_exon12_F	TP53	exon12	ACACTCTTTCCCTACACGACGCTCTTCCGATCTAACGTTGTTTTCAGGAAGTCmUG
2	TP53_exon2_F	TP53	exon2	ACACTCTTTCCCTACACGACGCTCTTCCGATCTTGAGAATGGAATCCTATGGCmUT
2	TP53_exon2_R	TP53	exon2	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTCATGTTGCTTTTGTACCGTCmAT
2	TP53_exon3_F	TP53	exon3	ACACTCTTTCCCTACACGACGCTCTTCCGATCTGGCTAGGCTAAGCTATGATGmUT
2	TP53_exon3_R	TP53	exon3	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTGCTCCTGGTTGTAGCTAACTmAA
2	TP53_exon5_F	TP53	exon5	ACACTCTTTCCCTACACGACGCTCTTCCGATCTTTTCCACTTGATAAGAGGTCmCC
2	TP53_exon5_R	TP53	exon5	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTGAAGAGAATCTCCGCAAGAAmAG
2	TP53_exon7_F	TP53	exon7	ACACTCTTTCCCTACACGACGCTCTTCCGATCTGAGAGGTGGATGGGTAGTAGmUA
2	TP53_exon7_R	TP53	exon7	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTATCTTGGGCCTGTGTTATCmUC
2	TP53_exon9_F	TP53	exon9	ACACTCTTTCCCTACACGACGCTCTTCCGATCTAATCAGTGAGGAATCAGAGmGC
2	TP53_exon9_R	TP53	exon9	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTTTTCAACTCTGTCTCCTTCCmUC
3	PPM1D_exon1_b_F	PPM1D	exon1	ACACTCTTTCCCTACACGACGCTCTTCCGATCTAACCGACGGCTGAAGAAmAA
3	PPM1D_exon1_b_R	PPM1D	exon1	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTCTTCTTGATGAAACCCCACAmAG
3	PPM1D_exon2_F	PPM1D	exon2	ACACTCTTTCCCTACACGACGCTCTTCCGATCTACTTGCAAGAGTGAAATATTmUT
3	PPM1D_exon2_R	PPM1D	exon2	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTGAAAGAGAAAACGACAGAATmGT
3	PPM1D_exon4_F	PPM1D	exon4	ACACTCTTTCCCTACACGACGCTCTTCCGATCTGCTTCCAACTAATACTTCTTGmCT
3	PPM1D_exon4_R	PPM1D	exon4	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTACCAAAACAATGTTTAGACAmAC
3	PPM1D_exon5_b_F	PPM1D	exon5	ACACTCTTTCCCTACACGACGCTCTTCCGATCTAGTGCCATAGTAATCTGCATmCT
3	PPM1D_exon5_b_R	PPM1D	exon5	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTTCGAGTTCAAATCCAAAATCCmUG
3	PPM1D_exon6_b_F	PPM1D	exon6	ACACTCTTTCCCTACACGACGCTCTTCCGATCTTACCCTCAAAAGATCCAGAAmCC
3	PPM1D_exon6_b_R	PPM1D	exon6	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTTCGACTTAAGCCATTTCGTCmUA
3	TP53_exon12_R	TP53	exon12	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTGGATCCCCACTTTTCCTCTmUG
3	TP53_exon4_F	TP53	exon4	ACACTCTTTCCCTACACGACGCTCTTCCGATCTTCAGGCAAAGTCATAGAACCmAT
3	TP53_exon4_R	TP53	exon4	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTTGACTGTTTTACCTGCAATTmGG
3	TP53_exon6_F	TP53	exon6	ACACTCTTTCCCTACACGACGCTCTTCCGATCTAGAGGCAAGGAAAGGTGATAmAA
3	TP53_exon6_R	TP53	exon6	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTTAGGACCTGATTTCCTTACTmGC
3	TP53_exon8_F	TP53	exon8	ACACTCTTTCCCTACACGACGCTCTTCCGATCTTTGCACATCTCATGGGGTTAmUA
3	TP53_exon8_R	TP53	exon8	TCGGCATTCCTGCTGAACCGCTCTTCCGATCTTGATTCCTCACTGATTGCTCmUT

Nucleotide sequences for multiplexed primers used in plexes 1 - 3.

* Consecutive primers constitute forward (F) and reverse (R) primer pairs for the indicated loci

† Forward primers format: 5' ACACTCTTTCCCTACACGACGCTCTTCCGATCT-[gene-specific forward] 3',
Reverse primerformat:5' TCGGCATTCCTGCTGAACCGCTCTTCCGATCT-[gene-specific reverse] 3'

‡ "m" denotes a single 2'-O-Methyl base in place of the DNA base, used in order to minimise potential primer dimers

Appendix 6: Custom pan-haematological cancer gene panel

ARID1A	*CREBBP*	*HIST1H1D*	*NOTCH2*	*SOCS1*
ASXL1	*CSF1R*	*HIST1H1E*	*NPM1*	*SRSF2*
ATM	*CSF3R*	*IDH1*	*NRAS*	*STAG2*
ATP6AP1	*CUX1*	*IDH2*	*PAX5*	*STAT3*
ATP6V1B2	*DNMT3A*	*IKZF3*	*PDGFRA*	*STAT6*
B2M	*EBF1*	*IL7R*	*PHF6*	*TCF3*
BCL10	*EP300*	*IRF8*	*PIM1*	*TET2*
BCL2	*ETNK1*	*JAK2*	*POT1*	*TNFAIP3*
BCL6	*ETV6*	*KDM6A*	*POU2F2*	*TNFRSF14*
BCOR	*EZH2*	*KIT*	*PPM1D*	*TP53*
BCORL1	*FBXW7*	*KMT2C*	*PRDM1*	*U2AF1*
BRAF	*FLT3*	*KMT2D*	*PTEN*	*WT1*
CALR	*FOXO1*	*KRAS*	*PTPN11*	*XPO1*
CARD11	*GATA2*	*MBD1*	*RAD21*	*ZEB1*
CBL	*GNA13*	*MEF2B*	*RRAGC*	*ZRSR2*
CCND3	*GNAS*	*MPL*	*RUNX1*	
CD58	*GNB1*	*MYC*	*SETBP1*	
CD79B	*H3F3A*	*MYD88*	*SETD2*	
CDKN2A	*HIST1H1B*	*NF1*	*SF3B1*	
CEBPA	*HIST1H1C*	*NOTCH1*	*SMC3*	