

Table S1 - DNA sequencing results. DNA sequencing results for ccf-DNA isolated from CLL blood samples by DEP and ccf-DNA isolated from the same CLL patient plasma samples by DEP process compared with the results obtained using an established method performed on genomic DNA obtained from CLL patient leukemic B-cells.

ID	DEP blood		DEP plasma		Genomic DNA	
	V-gene/allele	V-region ID, %	V-gene/allele	V-region ID, %	V-region/allele	V-region ID, %
CLL-1e	IGHV3-30*03 F	95.14	IGHV3-30*03 F	95.14	IGHV3-30*03 F	95.14
CLL-2e	IGHV1-2*02 F	100.00	IGHV1-69*01 F	84.03	IGHV1-2*02 F	100.00
CLL-3e	IGHV4-4*07 F	100.00	IGHV4-4*07 F	97.89	IGHV4-4*07 F	100.00
CLL-4e	IGHV1-8*01 F	100.00	No productive gene		IGHV1-8*01 F	100.00
CLL-5e	IGHV3-21*02 F	88.19	IGHV3-21*02 F	88.19	IGHV3-21*02 F	88.19
CLL-6e	IGHV3-33*01 F	94.10	IGHV3-33*01 F	94.10	IGHV3-33*01 F	94.10
CLL-7e	IGHV3-53*04 F	97.19	IGHV3-53*04 F	97.19	IGHV3-53*04 F	97.19
CLL-8e	IGHV3-64*01 F	94.79	IGHV3-64*01 F	94.79	IGHV3-64*01 F	94.79
CLL-9e	IGHV4-39*01 F	96.91	IGHV4-39*01 F	96.91	IGHV4-39*01 F	96.91
CLL-10e	IGHV4-34*01 F	99.30	IGHV4-34*01 F	99.30	IGHV4-34*01 F	99.30
CLL-11e	IGHV4-39*01 F	100.00	IGHV4-39*01 F	100.00	IGVH4-39*01 F	100.00

Figure S1 – Standard Curve for PicoGreen Assay. A standard curve was constructed using lambda DNA at concentrations of 0.5 ng/mL, 5 ng/mL, 50 ng/mL, and 500 ng/mL. The fluorescence value of the reagent blank was subtracted from that of each of the samples. Corrected data was used to generate a standard curve of fluorescence versus DNA concentration.

