Parameters and Information for Genomic Signatures								
Cell lines in Chlorambucil Signature								
Sensitive Cell Lines	Resistant Cell Lines							
CNS:SF_539	BR:MCF7							
CNS:SNB_75	CO:HCT_116							
ME:LOXIMVI	CO:HT29							
ME:MALME_3M	LE:K_562							
ME:M14	LE:RPMI_8226							
ME:SK_MEL_5	LC:A549							
ME:UACC_62	LC:NCI_H322M							
LC:HOP_92	OV:OVCAR_8							
LC:NCI_H522	OV:SK_OV_3							
RE:786_0	PR:PC_3							
RE:CAKI_1	PR:DU_145							
RE:RXF_393	RE:TK_10							
Binary Regression Parameters for Genomic Signatures								
Training	Signature	Training Data Set	Probes	Factors	Burn-in	Iterations	Skips	
	Progressive Disease	Duke/VA	180	2	1000	5000	1	
	Chlorambucil Resistance	NCI-60	140	4	1000	5000	1	
	PCR regimen Refractoriness	Mayo/Ohio State	60	4	1000	5000	1	
Validation/Application	Signature	Validation Data Set	Probes	Factors	Burn-in	Iterations	Skips	
	Progressive Disease	Spainish National Cancer Centre	180	2	1000	5000	1	
	Progressive Disease	NCI	140	4	1000	5000	1	
	Chlorambucil Resistance	Duke/VA	140	4	1000	5000	1	
	PCR regimen Refractoriness	Mayo/Ohio State	60	4	1000	5000	1	
Predictive Ability of Genomic Signatures								
Training	Signature	Training Data Set	Platform	N samples	Sensitivity	Specificity	PPV	NPV
	Progressive Disease	Duke/VA	Affymetrix U133Plus 2.0	61	64%	67%	62%	69%
	Chlorambucil Resistance	NCI-60	Affymetrix U133A	24	100%	92%	92%	100%
	PCR regimen Refractoriness	Mayo/Ohio State	Affymetrix U133A	20	80%	80%	80%	80%
Validation	Signature	Validation Data Set	Platform	N samples	Sensitivity	Specificity	PPV	NPV
	Progressive Disease	Spainish National Cancer Centre	cDNA array	160	60%	71%	71%	60%
	Progressive Disease	NCI	cDNA array	107	66%	62%	39%	83%