

**Table S2: molecular and cytogenetic characteristics of primary CLL samples**

ID	Zap70	CD38	IgVH mutational status	Rai status	Cytogenetics	Gender
544	low	low	mutated	I	del13q	m
1753	low	low	mutated	II	del13	f
7530	low	low	mutated	I-II	del13q	f
7538	low	low	mutated	0	normal	f
7577	low	low	mutated	II	del 13q	m
7579	high	high	unmutated	I-II	del11q del13q	f
7632	low	low	mutated	0	del13q	f
7643	low	low	mutated	0	del13q	f
7644	low	low	n.d.	I	del13q	m
7889	low	low	mutated	0-I	del13q	f
7890	low	low	unmutated	I	del13q	m
7913	low	low	mutated	0	normal	m
7914	low	low	mutated	0	del13q	f
7915	low	low	mutated	II	del13q	f

 = sensitive to combined G1I PI3K/mTOR inhibition

n.d. could not be determined due to technical problems