

Table S3. A) Clinical data for the patients included from St.Olavs hospital and Rotterdam (n=house cohort).

S: Sample, TSD: Time since diagnosis, D = Diagnosis = diagnosis symptomatic MM (before first treatment), P = progression

Abnormalities FISH: * = tested for t(4;16) and del17 only, ** = tested for t(1;14), del17 and del13, *** = tested for t(4;16), t(1;14), t(14;14), t(14;16), nd = not detected

Patient	Sex	Age	Site	Ig class	Light chain	Abnormalities FISH	IS	R-DS	Response initial treatment S1-TSD	Treatment prior to S1	IMiD received S1-2	Pi received S1-2	HDM received S1-2	Interwening treatment* S1-42	Best response S1-42	Interval S1-42 [month]	IMiD received S2-3	Pi received S2-3	HDM received S2-3	Interwening treatment S2-43	Best response S2-43	Interval S2-43 [month]	Interwening treatment S3-54	Best response S3-54	Interwening treatment S4-55	PIE, months	death occurred [y:m]	OS, months			
17	Male	84	IGA	Lambda	del17**		3	3 PR	0	0	x			MPR	PR	7															
18	Female	61	IGA	Kappa	nd*		3	VGPR	0	0			x	VCD/HDM	VGPR	35															
15	Male	67	IGA	Kappa	t(4;14)*		3	1 VGPR	0	0	x		x	MPR / S maint	VGPR	48				VCD	VGPR	13	PR								
9	Female	73	IGG	Kappa	nd*		1	1 PR	0	0	x	x		MPV, VCD	PR	25															
14	Female	77	IGG	Kappa	del13**		2	2 VGPR	0	0				MP	VGPR	15															
10	Female	76	IGA	Kappa	t(4;14)*		2	PR	0	0	x			MPR	PR	16				MPV	SD	24	CVD	PR							
18	Male	68	IGG	Kappa	nd*		1	1 VGPR	0	0			x	VCD	VGPR	17															
7	Female	78	Lambda	del17**			3	3 PR	0	0				CVD	PR	11															
31	Male	67	IGG	Lambda	t(4;14)*		3	3 VGPR	0	0	x			MPV/T maint	VGPR	14															
20	Female	54	IGG	Kappa	t(1;14)***		2	3 VGPR	0	0	x	x	x	CVD/HDM,MPV,TP,RP,CP	cCR	50				VTD	VGPR	5									
4	Female	52	IGG	Lambda	t(1;14), del17 (21%), del13***		2	2 PR	0	0			x	VCD/HDM, MPV	PR	39															
32	Female	71	IGG	Kappa	del17*		2	2 VGPR	0	0				MPV/T maint	VGPR	18															
13	Male	65	IGD	Lambda	nd**		3	2 VGPR	0	0	x	x	x	CD/HDM, MPV, CVD, MPT, RP	CR	70															
39	Male	60	IGG	Kappa	t(4;14)		2	2 VGPR	0	0			x	VCD/HDM	VGPR	15															
23	Male	58	IGA	Kappa	nd*		1	1 VGPR	0	0	x	x		VCD/VMP/R maint	VGPR	25															
24	Female	62	IGG	Kappa	t(1;14)†		3	2 PR	0	0	x	x		VCD, RD, cyclo, MPT	<PR	24															
25	Male	49	IGG	Kappa	nd*		2	2 PR	0	0	x	x		VCD, RD, VCD/HDM	PR	16				VTD		23									
26	Male	51	IGA	Lambda	nd*		3	2 CR	0	0	x	x	x	VCD/HDM/R maint	CR	14															
27	Male	51	IGG	Kappa	t(4;14)†		3	3 VGPR	0	0	x	x	x	VCD/HDM, VCD/R maint	VGPR	17															
28	Male	50	IGG	Kappa	nd*		2	2 VGPR	0	0	x	x		VCD/HDM/R maint	VGPR	9															
29	Male	42	IGG	Kappa	nd*		2	2 <PR	0	0				VCD/VMP	<PR	5															
30	Female	62	IGG	Kappa	nd*		2	2 PR	0	0				VCD/VMP	PR	12															
33	Female	64	IGG	Kappa	t(1;14), del13q†		2	1 PR	0	0	x	x	x	VCD/HDM/R maint	<PR	18															
3	Female	48	IGA	Kappa	del17*		1	CR	29	VD/HDM			x	VCD/HDM	CR	15															
8	Male	50	IGG	Lambda	nd**		1	PR	25	VCD/HDM			x	RD, VCD, pom, TD	SD	9															
35	Female	76	IGG	Kappa	del13**		2	SD	48	MPR			x	MPV	VGPR	24															
34	Male	48	IGG	Lambda	nd*		2	2 CR	113	CD/HDM, VCD, HDM			x	CR	PR	9															
36	Male	51	IGG	Kappa	nd*		1	CR	138	v4d/HDM, CD/HDM			x	CR	PR	36															
5	Female	61	IGG	Lambda	nd*		2	2 VGPR	83	CD/HDM, MPV, VD, VMD			x	VCD, RD, RD	PR	16															

C: cyclophosphamide
D: dexamethasone
P: prednisolone
V: vincristine
R: rituximab
M: melphalan
T: thalidomide
pom: pomalidomide
v: venetoclax
A: acetylsalicylic acid
HDM: high dose melphalan (ASCT)
benda: bendamustine