Patient code	Diagnosis	Age at transplant	Donor	Conditioning	GVHD prophylaxis	GvHD II-IV	Tissue affected	Grade	Acute GvHD	Time to	GvHD treatment	Patient CMV	Donor CMV
						GVHDIHV	affected	Grade	Classification	Time to GvHD (days)	treatment	status	status
1_Allo	AML CLL	61	MUD SIB	Flu/Melph/Alem Flu/Melph/Alem	CSA only CSA only	No			N/A N/A			Pos Pos	Pos
2_Allo 3_Allo	MDS	58	MUD	Flu/Melph/Alem	CSA only	No No			N/A N/A			Pos	Neg Neg
4_Allo	AML	53	SIB	Flu/Melph/Alem	CSA only	No			N/A Classic				Neg
5_Allo	ALL	64	MUD	Flu/Melph/Alem	CSA only	Yes	Skin		Classic aGvHD	43	Pred		Neg
6_Allo	HL	55	SIB	Flu/Melph/Alem	CSA only	No			N/A	-			Neg
7_Allo	AML	51	MUD	Flu/Melph/Alem	CSA only	No			N/A			Pos	Neg
8_Allo 9_Allo	AML CLL	62 53	MUD SIB	Flu/Melph/Alem Flu/Melph/Alem	CSA only CSA only	No Yes	Liver	IV	N/A Classic	20	Methyl Pred	Pos	Pos
		59							aGvHD	-	(IV) and Pred	Pos	Neg
10_Allo 11_Allo	AML	37	MUD	Flu/Melph/Alem TBI/CY	CSA only CSA+MTX	No No			N/A N/A				Neg Neg
11,700			moo	Tay C1	Can - Milk	110					Methyl Pred	rus	rveg
12_Allo	AML	21	MUD	TBI/CY	CSA+MTX	Yes	Lower Gut		Classic aGvHD	14	(IV) then oral Pred	Nag	Neg
13_Allo	CLL	44	SIB	Flu/Melph/Alem	CSA only	No			N/A Classic				Pos
14_Allo	ALL	21	MUD	Cy/TBI	CSA+MTX	Yes	Skin		Classic aGvHD	55	Methyl Pred (IV)	Pos	Neg
15_Allo	AML	70	MUD	Flu/Melph/Alem	CSA only	No			N/A Classic				Neg
16_Allo	GS	66	MUD	Flu/Melph/Alem	CSA only	Yes	Skin		Classic aGvHD	29	Methyl Pred (IV)	Pos	Pos
17_Allo	HL	48	MUD	Flu/Melph/Alem	CSA only	Yes	Skin		Classic agvHD	45	(IV) Methyl Pred (IV)	Pos	Neg
	AML	66							Delayed				
18_Allo 19_Allo	AML	23	MUD	Flu/Melph/Alem Cy/TBI	CSA only CSA + MTX	Yes No	Lower Gut		aGvHD N/A	157	(IV)	Pos Neg	Neg Pos
20_Allo	AML	44	MUD	Cy/TBI	CSA+MTX	No			N/A				Pos
21_Allo	AML	54	SIB	Flu/Melph/Alem	CSA only	No			N/A Classic			Neg	Neg
22_Allo	ALL	44	MUD	TBI/Cy	CSA+MTX	Yes	Lower Gut		Classic aGvHD	24	Methyl Pred (IV)		Neg
23_Allo	AML	58	SIB	Flu/Melph/Alem	CSA only	Yes	Skin	_	aGvHD Classic aGvHD	36	(IV) Methyl Pred (IV)		Pos
23_Allo 24_Allo	AML	44	MUD	Flu/Melph/Alem Flu/Melph/Alem	CSA only CSA only	No	uden.		aGvHD N/A	-0	0.47		Pos Neg
25_Allo	MDS	57	SIB	Flu/Melph/Alem	CSA only	No			N/A			Neg	Pos
26_Allo	MF	49	SIB	Flu/Melph/Alem	CSA only	No			N/A			Neg	Neg
27_Allo 28_Allo	AML MF	62 44	SIB	Flu/Melph/Alem Flu/Melph/Alem	CSA only CSA only	No No			N/A			Neg	Neg
	Double Hit lymphoma	46							N/A Delayed				Neg
29_Allo	AML	52	MUD SIB	Beam/Alem Flu/Melph/Alem	CSA+MTX CSA only	Yes	Skin		aGvHD N/A	134	Pred	Neg	Pos
30_Allo 31_Allo	NHL	51	MUD	Flu/Melph/Alem	CSA only	No No			N/A N/A				Pos Neg
32_Allo 33_Allo	NHL	57	MUD	Flu/Melph/Alem Beam/Alem	CSA only CSA + MTX	No			N/A			Pos	Pos
33_Allo	NHL	35	51B	Beam/Alem	CSA+MTX	Yes	Skin and Gut		Classic aGvHD	14	Pred (skin) systemic		
											systemic steroids Methyl Pred		
											Methyl Pred (gut)	Pos	Pos
	AML	45			CSA only	No			N/A			Neg	Neg
35_Allo 36_Allo	MDS	43 67	MUD	Flu/Melph/Alem Flu/Melph/Alem	CSA only CSA only	No Yes	Skin		N/A Delayed aGvHD		Topical	Pos	Pos
									aGvHD		Topical steroids,	Pos	
37_Allo	AML	64	MUD	Flu/Melph/Alem	CSA only	No			N/A		increased CSA		Neg Neg
38_Allo	NHL	50	MUD	Beam/Alem	CSA only	Yes	Lower Gut		Classic aGvHD	12	Pred		
39_Allo	AML	63	SIB	Flu/Melph/Alem	CSA only	No	Lower dut		N/A	12	Fred	Neg Pos	Neg Neg
40_Allo	B-ALL	54	MUD	Flu/Melph/Alem	CSA only	No			N/A Classic				Neg
41_Allo	AML	61	MUD	Flu/Melph/Alem	CSA only	Yes	Skin		Classic aGvHD	362	Pred	Pos	Neg
42_Allo	AML	62	MUD	Flu/Melph/Alem	CSA only	No			N/A				Pos
43_Allo	DLBCL	57	MUD	Flu/beam/Alem	CSA only	No			N/A				Neg
44_Allo	MDS	57	MUD	Flu/Melph/Alem	CSA only	No			N/A				Pos
45_Allo	AML	65	SIB	Flu/Melph/Alem	CSA only	No			Classic				Pos
46_Allo	AML	44	SIB	су/тві	CSA only CSA + MTX	No Yes	Skin	11	N/A Classic aGvHD Delayed	50	Pred		Pos
46_Allo 47_Allo	AML HL	44 37	MUD	Cy/TBI Flu/Melph/Alem	CSA + MTX CSA only	Yes Yes	Skin		aGvHD Delayed aGvHD	50	Pred	Pos Neg	Pos
46_Allo 47_Allo 48_Allo	AML HL AML	44 37 63	MUD MUD MUD	Cy/TBI Flu/Melph/Alem Flu/Melph/Alem	CSA + MTX CSA only CSA only	Yes Yes No	Skin		aGvHD Delayed aGvHD N/A	50	Pred	Pos Neg Pos	Pos Pos
46_Allo 47_Allo 48_Allo 49_Allo	AML HL	44 37	MUD MUD MUD MUD	Cy/TBI Flu/Melph/Alem Flu/Melph/Alem Cy/TBI	CSA + MTX CSA only CSA only CSA + MTX	Yes Yes	Skin	п	aGvHD Delayed aGvHD N/A N/A	50	Pred	Pos Neg Pos	Pos Pos Pos
46_Allo 47_Allo 48_Allo 49_Allo 50_Allo	AML HL AML AML	44 37 63 21	MUD MUD MUD MUD SIB	Cy/TBI Flu/Melph/Alem Flu/Melph/Alem Cy/TBI Beam/Alem	CSA + MTX CSA only CSA only CSA + MTX CSA only	Yes Yes No	Skin	I	eGvHD Delayed eGvHD N/A N/A N/A	50	Pred	Pos Neg Pos Pos Neg	Pos Pos
46_Allo 47_Allo 48_Allo 49_Allo 50_Allo 51_Allo	AML AML AML Peripheral TNHL	44 37 63 21 49	MUD MUD MUD MUD SIB SIB	Cy/TBI Flu/Melph/Alem Flu/Melph/Alem Cy/TBI Beam/Alem Flu/Melph/Alem	CSA only	Yes No No No No			aGvHD Delayed aGvHD N/A N/A N/A N/A Classic		Pred	Pos Neg Pos Pos Neg	Pos Pos Pos Pos
46_Allo 47_Allo 48_Allo 49_Allo 50_Allo 51_Allo 52_Allo 1_Auto	AMI, HL AMI, AMI, AMI, WIS AMI, HI HI HI	44 37 63 21 49 48 25	MUD MUD MUD SIB SIB SIB AUTO	Cy/TBI Flu/Melph/Alem Flu/Melph/Alem Cy/TBI Beam/Alem Flu/Melph/Alem Bu/Cy BEAM	CSA + MTX CSA only CSA only CSA + MTX CSA only	Yes Yes No No	Skin		eGvHD Delayed eGvHD N/A N/A N/A	96	Pred	Pos Neg Pos Pos Neg Neg Neg	Pos Pos Pos Pos
46_Allo 47_Allo 48_Allo 49_Allo 50_Allo 51_Allo 52_Allo 1_Auto 2_Auto	AMI. MI. AMI. AMI. Perpheral THHI. MOS. AMI. MI. Myeloma	44 37 63 21 49 48 25 28 62	MUD MUD MUD MUD SIB SIB SIB AUTO	Cy/TBI Flu/Melph/Alem Flu/Melph/Alem Cy/TBI Beam/Alem Flu/Melph/Alem Bu/Cy BEAM Melphalan	CSA only	Yes No No No No			aGvHD Delayed aGvHD N/A N/A N/A N/A Classic		Pred	Pos Neg Pos Neg Neg Neg Neg Neg Neg	Pos Pos Pos Pos
46_Allo 47_Allo 48_Allo 49_Allo 50_Allo 51_Allo 52_Allo 1_Auto 2_Auto 3_Auto	AML NL AML AMI AMI Peripheral TRHL MOS AMI HL Myeloma Myeloma	44 37 63 21 49 48 25 28 62 58	MUD MUD MUD MUD SIB SIB SIB AUTO AUTO	Cy/TBI Fiu/Melph/Alem Fiu/Melph/Alem Cy/TBI Beam/Alem Fiu/Melph/Alem Bu/Cy BEAM Melphalan Melphalan	CSA only	Yes No No No No		11	aGvHD Delayed aGvHD N/A N/A N/A N/A Classic		Pred	Pos Neg Pos Neg Neg Neg Neg Pos Neg Pos	Pos Pos Pos Pos
46_Allo 47_Allo 48_Allo 49_Allo 50_Allo 51_Allo 52_Allo 1_Auto 2_Auto 3_Auto 4_Auto 5_Auto	AML ML AML AML AML Perpharal Tivit, MOS AML HE Myelona HE Myelona	44 37 63 21 49 48 25 28 62	MUD MUD MUD MUD SIB SIB SIB AUTO AUTO AUTO AUTO AUTO	Cy/TBI Flu/Melph/Alem Flu/Melph/Alem Cy/TBI Beam/Alem Flu/Melph/Alem Bu/Cy BEAM Melphalan	CSA only	Yes No No No No		11	aGvHD Delayed aGvHD N/A N/A N/A N/A Classic		Pred	Pos Neg Pos Neg	Pos Pos Pos Pos
46_Allo 47_Allo 48_Allo 49_Allo 50_Allo 51_Allo 52_Allo 1_Auto 2_Auto 3_Auto 5_Auto 5_Auto 6_Auto 6_Auto	AME, M.L. AME, AME, AME, AME, AME, AME, AME, AME,	44 37 63 21 49 48 25 28 62 58 38 51 65	MUD MUD MUD SIB SIB SIB AUTO AUTO AUTO AUTO AUTO AUTO AUTO AUTO	Cy/TBI Piu/Meiph/Alem Piu/Meiph/Alem Cy/TBI Beam/Alem Piu/Meiph/Alem Bu/Cy BBSEAM Meiphalan BEAM Meiphalan Meiphalan Meiphalan	CSA only	Yes No No No No			aGvHD Delayed aGvHD N/A N/A N/A N/A Classic		Pred	Pos Neg Pos Neg	Pos Pos Pos Pos
46_Allo 47_Allo 48_Allo 48_Allo 50_Allo 50_Allo 51_Allo 52_Allo 1_Auto 2_Auto 3_Auto 4_Auto 7_Auto 7_Auto	AME, NE, AME, AME, AME, AME, AME, AME, MICHANIE, MICHANIE	44 37 63 21 49 48 25 28 62 58 38 38 51 65	MUD MUD MUD SIB SIB SIB AUTO AUTO AUTO AUTO AUTO AUTO AUTO AUTO	Cy/TBI Flu/Melph/Alem Flu/Melph/Alem Cy/TBI Bazm/Alem Flu/Melph/Alem Bu/Cy BEAM Melphalan Melphalan BEAM Melphalan BEAM Melphalan BEAM Melphalan BEAM BEAM BEAM BEAM BEAM BEAM BEAM BEAM	CSA only	Yes No No No No		111	aGvHD Delayed aGvHD N/A N/A N/A N/A Classic		Pred	Pos Neg Pos Neg	Pos Pos Pos Pos
46_Allo 47_Allo 48_Allo 48_Allo 50_Allo 50_Allo 51_Allo 1_Auto 2_Auto 3_Auto 4_Auto 5_Auto 6_Auto 6_Auto 6_Auto 8_Auto	AME, M., M., MAPE, AME, MAPE,	44 37 63 21 49 48 25 28 62 58 30 51 65 64 65	MUD MUD MUD SIB SIB SIB AUTO AUTO AUTO AUTO AUTO AUTO AUTO AUTO	Cy/TBI FlujMelph/Alem FlujMelph/Alem FlujMelph/Alem Cy/TBI Bearn/Alem Bu/Cy BEAM Melphalan Melphalan Melphalan Melphalan Melphalan Melphalan Melphalan Melphalan	CSA only	Yes No No No No		11	aGvHD Delayed aGvHD N/A N/A N/A N/A Classic		Pred	Pos Neg Pos Neg Neg Neg Neg Neg Neg Neg Nag Pos Neg Neg Neg Neg Neg Neg Neg Neg Neg	Pos Pos Pos Pos
46_Allo 47_Allo 48_Allo 48_Allo 49_Allo 50_Allo 51_Allo 51_Allo 2_Auto 3_Auto 4_Auto 6_Auto 6_Auto 6_Auto 6_Auto 6_Auto 0_Auto	AME, ME, ME, AME, AME, AME, MOSS MOSS MOSS MOSS MOSS MOSS MOSS MOS	44 37 63 21 49 48 25 58 62 58 38 65 64 65 70 40	MUD MUD MUD SIB SIB SIB AUTO AUTO AUTO AUTO AUTO AUTO AUTO AUTO	Cy/TBI Flu/Melph/Alem Flu/Melph/Alem Flu/Melph/Alem Cy/TBI Barm/Alem Flu/Melph/Alem Bu/Cy Bu/Cy Bu/Cy Bu/Cy Bu/Cy Bu/Cy Bu/Cy Melphalan Melphalan Melphalan Melphalan Melphalan Melphalan Melphalan Melphalan Melphalan	CSA only	Yes No No No No		111	aGvHD Delayed aGvHD N/A N/A N/A N/A Classic		Pred	Pos Neg Pos Neg	Pos Pos Pos Pos
45_Allo 47_Allo 48_Allo 48_Allo 49_Allo 50_Allo 51_Allo 51_Allo 52_Allo 1_Auto 3_Auto 4_Auto 5_Auto 6_Allo 6_Auto 7_Auto 8_Auto 10_Auto 11_Auto 12_Auto	AME, NE, AME, AME, AME, AME, AME, AME, MICHANIE, MICHANIE	44 37 63 21 49 48 25 28 62 58 38 51 65 64 65 70	MUD MUD MUD MUD SIB SIB SIB AUTO	Cy/TBI Flu/Malph/Alem Flu/Malph/Alem Flu/Malph/Alem Flu/Malph/Alem Su/Cy/TBI Beam/Alem Flu/Malph/Alem Bou/Cy BEBM Malphalan Malphalan BBM Malphalan	CSA only	Yes No No No No		11	aGvHD Delayed aGvHD N/A N/A N/A N/A Classic		Pred	Fos Neg Fos Neg Neg Neg Neg Neg Fos Neg Neg Neg Neg Neg Fos Neg Fos Neg Fos Neg Fos Neg Fos Fos Fos Fos	Pos Pos Pos Pos
46_Allo 47_Allo 48_Allo 48_Allo 49_Allo 50_Allo 51_Allo 52_Auto 1_Auto 2_Auto 5_Auto 1_Auto 5_Auto 1_Auto 5_Auto 1_Auto 1_Auto 1_Auto 1_Auto 10_Auto 11_Auto 11_Auto 11_Auto 11_Auto 11_Auto 11_Auto 11_Auto 11_Auto 11_Auto	AME. ME. AME. AME. AME. AME. AME. AME.	44 37 63 21 49 48 25 28 62 58 38 51 65 64 65 70 40	MUD MUD MUD MUD SIB SIB AUTO	Cy/TBI Flu/Marips/Alem Flu/Ma	CSA only	Yes No No No No			aGvHD Delayed aGvHD N/A N/A N/A N/A Classic		Pred	Pos Neg Pos Neg	Pos Pos Pos Pos
46_Allo 47_Allo 48_Allo 48_Allo 50_Allo 50_Allo 51_Allo 51_Allo 52_Allo 52_Allo 52_Allo 52_Allo 52_Allo 64_Allo 64_Allo 65_Allo 65_Allo 66_Allo 66_All	AME, NE, AME, AME, AME, AME, AME, AME, MICHANIE, MICHANIE	44 37 63 21 49 48 25 28 62 58 38 51 65 64 65 70	MUD MUD MUD MUD SIB SIB SIB AUTO	Cy/TBI Flu/Malph/Alem Flu/Malph/Alem Flu/Malph/Alem Flu/Malph/Alem Su/Cy/TBI Beam/Alem Flu/Malph/Alem Bou/Cy BEBM Malphalan Malphalan BBM Malphalan	CSA only	Yes No No No No			aGvHD Delayed aGvHD N/A N/A N/A N/A Classic		Pred	Fos Neg Fos Neg Neg Neg Neg Neg Fos Neg Neg Neg Neg Neg Fos Neg Fos Neg Fos Neg Fos Neg Fos Fos Fos Fos	Pos Pos Pos Pos
46_Allo 47_Allo 48_Allo 48_Allo 49_Allo 50_Allo 51_Allo 51_Allo 52_Allo 1_Allo 52_Allo 1_Allo 6_Allo 6_Allo 6_Allo 6_Allo 1_Allo 6_Allo 10_Allo 10_Allo 112_Allo 113_Allo 113_	AME, TL, AME, AME, AME, AME, AME, AME, AME, MC, MC, MC, MC, MC, MC, MC,	44 37 63 21 49 48 25 28 62 58 38 65 64 65 70 40 54 72 58 72 58 72 58 70 70 70 70 70 70 70 70 70 70	MUD MUD MUD MUD SIB SIB AUTO	Cy/TBI Fu_Malgh/Mem Fu_Malgh/Mem Fu_Malgh/Mem Fu_Malgh/Mem Fu_Malgh/Mem Fu_Malgh/Mem Fu_Malgh/Mem Fu_Malgh/Mem Fu_Malgh/Mem Beam/Mem Beam/Mem Beam/Mem Beam/Mem Beam/Mem Beam/Mem Beam/Mem Beam/Mem Melphalan Melphalan Beam/Mem Beam/Mem Beam/Mem Beam/Mem Melphalan Melphalan Melphalan Melphalan Melphalan Melphalan Melphalan	CSA only	Yes No No No No			aGvHD Delayed aGvHD N/A N/A N/A N/A Classic		Pred	Pos Neg Fos Neg Neg Neg Neg Neg Neg Neg Pos Neg Neg Neg Neg Neg Pos Neg Pos Neg Pos Neg Pos Neg	Pos Pos Pos Pos
46_Allo 47_Allo 48_Allo 48_Allo 48_Allo 48_Allo 51_Allo 51_Allo 51_Allo 51_Allo 52_Allo 1_Auto 52_Allo 1_Auto 6_Auto 6_Auto 6_Auto 1_Auto 1_Auto 11_Auto	AME, ME, AME, AME, AME, AME, MOS MOS ME, MOS MAS ME, ME, MOS MAS MAS MAS MAS MAS MAS MAS	44 37 63 21 49 48 25 58 58 51 65 64 65 70 54 72 58 72 58 62 58 64 65 65 65 65 65 65 65 65 65 65	MUD MUD MUD MUD MUD MUD SIB SIB SIB SIB AUTO	Cy/TBI Fu_Malaja/Alem Fu_Malaja/Alem Fu_Malaja/Alem Fu_Malaja/Alem Gy/TBI Beam/Mom Bu/Cy BEAM Malaja/Balam	CSA only	Yes No No No No			aGvHD Delayed aGvHD N/A N/A N/A N/A Classic		Pred	Pos Neg Pos Neg	Pos Pos Pos Pos
46_Allo 47_Allo 48_Allo 48_Allo 48_Allo 50_Allo 51_Allo 51_Allo 52_Allo 1_Auto 3_Auto 4_Auto 6_Auto 10_Auto 10_Auto 11_Auto 11_Auto 10_Auto 11_Auto 11	AME, TL, AME, AME, AME, AME, AME, AME, AME, MICHAEL MARINER MARI	44 37 63 21 49 48 25 28 62 58 30 51 65 64 65 70 40 40 40 40 40 40 40 40 40 4	MUD MUD MUD MUD MUD MUD MUD MUD	Cy/TBI FishMarkpi/Asem Pru/Markpi/Asem Pru/Markpi/Asem Pru/Markpi/Asem Pru/Markpi/Asem Basen/Naem Bu/Cy BEAM Markpiralam Markpiralam Markpiralam BEAM Markpiralam Markpiralam BEAM Markpiralam	CSA only	Yes No No No No			aGvHD Delayed aGvHD N/A N/A N/A N/A Classic		Pred	Pos Neg Pos Neg Neg Neg Neg Neg Neg Neg Pos Neg Neg Pos Neg Neg Pos Neg Neg Pos Neg Pos Pos Neg Pos Pos Neg Pos Pos Pos Neg Pos	Pos Pos Pos Pos
46_Allo 47_Allo 48_Allo 48_Allo 48_Allo 50_Allo 51_Allo 51_Allo 52_Allo 1_Auto 3_Auto 4_Auto 6_Auto 10_Auto 10_Auto 11_Auto 11_Auto 10_Auto 11_Auto 11	AME, TL, AME, AME, AME, AME, AME, AME, AME, MC, MC, MC, MC, MC, MC, MC,	44 37 63 21 49 48 25 58 58 51 65 64 65 70 54 72 58 72 58 62 58 64 65 65 65 65 65 65 65 65 65 65	MUD MUD MUD MUD MUD MUD SIB SIB SIB SIB AUTO	Cy/TBI Fu_Malaja/Alem Fu_Malaja/Alem Fu_Malaja/Alem Fu_Malaja/Alem Gy/TBI Beam/Mom Bu/Cy BEAM Malaja/Balam	CSA only	Yes No No No No			aGvHD Delayed aGvHD N/A N/A N/A N/A Classic		Pred	Pos Neg Pos Neg	Pos Pos Pos Pos
46_Allo 47_Allo 48_Allo 48_Allo 48_Allo 48_Allo 50_Allo 50_Allo 51_Allo 52_Allo 52_Allo 52_Allo 52_Allo 52_Allo 52_Allo 52_Allo 53_Auto 53_Aut	AME. ME. AME. AME. AME. AME. MICHAEL ME. ME. ME. Meyelonia Meyelon	44 37 49 48 21 58 58 58 51 65 64 65 57 70 40 54 52 58 62 58 62 58 65 66 67 72 56 67 75 66 67 75 66 67 75 66 67 75 66 67 75 66 67 75 66 67 75 66 67 75 66	MAUD MAUD MAUD MAUD SIB SIB SIB AUTO	Cy/TBI Triul/Maria/Maria Triul/Maria/Maria Cy/TBI C	CSA only	Yes No No No No			aGvHD Delayed aGvHD N/A N/A N/A N/A Classic		Pred	Fos Nag Fos Nag Fos Nag Nag Fos Nag Nag Nag Nag Nag Nag Nag Pos Nag Fos Nag Nag Fos Nag Nag Fos Nag Nag Fos Nag Nag Nag Nag Nag Nag Nag Na	Pos Pos Pos Pos
46_Allo 47_Allo 48_Allo 49_Allo 49_Allo 50_Allo 50_Allo 51_Allo 12_Auto 12_Auto 13_Auto 14_Auto 10_Auto 11_Auto 11_Aut	AME. HE. AME. AME. AME. AME. AME. HE. WHO Prophysian 17914. HE. WHO STATE Medicine Whiteline Whit	44 37 63 21 49 48 62 28 62 28 62 53 54 70 40 40 40 40 54 72 55 62 23 62 65 65 65 65 65 65 65 65 65 65	MUD MUD MUD MUD MUD MUD MUD MUD	Cy/TBI TujiMang/Mam TujiMang/Mang/Mam TujiMang/Mam TujiMang/Man TujiMan T	CSA only	Yes No No No No			aGvHD Delayed aGvHD N/A N/A N/A N/A Classic		Pred	Fos	Pos Pos Pos Pos
46_Allo 47_Allo 48_Allo 48_Allo 48_Allo 48_Allo 48_Allo 50_Allo 51_Allo 52_Allo 52_All	AME. ME. AME. AME. AME. AME. MICHAEL MED. MED.	44 37 63 21 49 49 48 62 25 58 38 62 55 65 64 65 70 54 72 58 62 62 62 62 62 63 65 65 67 65 66 61	MUD	Cy/TBI This/hote/s/Asem This/hote/s/Asem This/hote/s/Asem Cy/TBI Beam/Asem Fhis/hote/s/Asem Fhis/hote/s/Asem Fhis/hote/s/Asem Fhis/hote/s/Asem Fhis/hote/s/Asem Beam/Asem Beam/A	CSA only	Yes No No No No			aGvHD Delayed aGvHD N/A N/A N/A N/A Classic		Pred	Pos Neg Pos Neg	Pos Pos Pos Pos
46_Allo 47_Allo 48_Allo 49_Allo 49_Allo 50_Allo 50_Allo 51_Allo 12_Auto 12_Auto 13_Auto 14_Auto 10_Auto 11_Auto 11_Aut	AME. ME. AME. AME. AME. AME. MI. MI. MI. MI. MI. MI. MI.	44 37 63 21 49 48 62 28 62 28 62 53 54 70 40 40 40 40 54 72 55 62 23 62 65 65 65 65 65 65 65 65 65 65	MUD MUD MUD MUD MUD MUD MUD MUD	Cy/TBI TujiMang/Mam TujiMang/Mang/Mam TujiMang/Mam TujiMang/Man TujiMan T	CSA only	Yes No No No No			aGvHD Delayed aGvHD N/A N/A N/A N/A Classic		Pred	Fos	Pos Pos Pos Pos
48_4/10 47_4/10 48_4/10 48_4/10 69_4/1	AME, ME, AME, AME, AME, AME, MOS MOS MOS MOS MOS MOS MOS MO	44 37 37 68 68 68 68 68 68 68 68 68 68 68 68 68	MUO MUO MUO MUO MUO MUO SIB SIB AUTO AU	Cy/TBI Thi/Marky/Mem Thi/Marky/Mem Thi/Marky/Mem Cy/TBI Bassan/Mem Thi/Marky/Mem Thi/Marky/Mem Thi/Marky/Mem Marky BEAM Marky-Mem Mark	CSA only	Yes No No No No			aGvHD Delayed aGvHD N/A N/A N/A N/A Classic		Pred	Pos Meg Pos Meg	Pos Pos Pos Pos
48_400 47	AME, ME, AME, AME, AME, AME, AME, MISSING, MISSI	44 177 278 287 287 287 287 287 287 287 287 2	MUO MUO MUO MUO MUO 918 918 918 918 AUTO AUT	Cy/TBI Thi/Marker/Alemm Thi/Marker/Alem	CSA only	Yes No No No No		8	aGvHD Delayed aGvHD N/A N/A N/A N/A Classic		Pred	Pos Neg Pos Neg Pos Neg Neg Neg Neg Neg Neg Neg Neg	Pos Pos Pos Pos
48_4/40 47_4/40 44_4/40 44_4/40 60_4/4	AME, ME, AME, AME, AME, AME, ME,	44 37 37 68 31 11 69 68 68 68 69 69 69 60 60 60 68 68 68 68 68 68 68 68 68 68 68 68 68	MUD MUD MUD MUD MUD MUD MUD MUD	Cy/TBI Thi/Markin/Alem Thi/Ma	CSA only	Yes No No No No			aGvHD Delayed aGvHD N/A N/A N/A N/A Classic		Pred	Pos Noeg Pos Noeg No	Pos Pos Pos Pos
65_610 77_610 77_610 77_610 75_610	AME, ME, AME, AME, AME, AME, AME, MISSING, MISSI	44 177 278 287 287 287 287 287 287 287 287 2	MUO MUO MUO MUO MUO 918 918 918 918 AUTO AUT	Cy/TBI Thi/Marker/Alemm Thi/Marker/Alem	CSA only	Yes No No No No			aGvHD Delayed aGvHD N/A N/A N/A N/A Classic		Pred	Pos Neg	Pos Pos Pos Pos
46_400 47_400 47_400 48_400 48_400 58_400	AME, ME, AME, AME, AME, AME, AME, MIS, M	44 177 27 28 28 28 28 28 28 28 28 28 28 28 28 28	MUO MUO MUO MUO MUO MUO MUO MUO	CoyTE Trushidaripi/niem Trushi	CSA only	Yes No No No No			aGvHD Delayed aGvHD N/A N/A N/A N/A Classic		Pred	Pas Nag	Pos Pos Pos Pos
46_400 47_400 47_400 47_400 49_400 49_400 51_400	AME, ME, AME, AME, AME, AME, ME,	44 177 278 278 278 278 278 278 278 278 278 2	MUD MAUD M	Cy/TBI Thi/Markin/Alem Thi/Markin/Alem Thi/Markin/Alem Cy/TBI Basen/Alem Thi/Markin/Alem Thi/Markin/Alem Thi/Markin/Alem Thi/Markin/Alem Thi/Markin/Alem BASA Markin/Alem BASA	CSA only	Yes No No No No		0	aGvHD Delayed aGvHD N/A N/A N/A N/A Classic		Pred	Pos Neg	Pos Pos Pos Pos
66_400 17_200 17_200 17_200 18_200	AME, HE, AME, AME, AME, AME, AME, AME, HE, WHO Prophymal Tible, HE, Wholevier Mholevier Molevier Molevier Molevier Mholevier Mholevier Molevier M	44 177 27 28 28 28 28 28 28 28 28 28 28 28 28 28	MUD MUD MUD MUD MUD MUD MUD MUD	CoyTE TrushCarpin/Arem TrushCarpin/Arem TrushCarpin/Arem TrushCarpin/Arem TrushCarpin/Arem TrushCarpin/Arem TrushCarpin/Arem TrushCarpin/Arem Mortiparian Mortipar	CSA only	Yes No No No No			aGvHD Delayed aGvHD N/A N/A N/A N/A Classic		Pred	Pes Neg Pes Neg Pes Neg Neg Neg Pes Neg	Pos Pos Pos Pos
46_400 47_400 47_400 47_400 49_400 49_400 51_400	AME, ME, AME, AME, AME, AME, ME,	44 177 278 278 278 278 278 278 278 278 278 2	MUD MAUD M	Cy/TBI Thi/Markin/Alem Thi/Markin/Alem Thi/Markin/Alem Cy/TBI Basen/Alem Thi/Markin/Alem Thi/Markin/Alem Thi/Markin/Alem Thi/Markin/Alem Thi/Markin/Alem BASA Markin/Alem BASA	CSA only	Yes No No No No			aGvHD Delayed aGvHD N/A N/A N/A N/A Classic		Pred	Pos Neg	Pos Pos Pos Pos
46_000 47_200 47_200 47_200 47_200 47_200 47_200 51_200	AMIL MIL AMIL AMIL AMIL AMIL MID MID MID MID MID MID MID	44 177 27 28 28 29 29 29 29 29 29 29 29 29 29 29 29 29	MUID MAUD MAUD MAUD MAUD MAUD MAUD MAUD MAU	Cy/TBI Thi/Markin/Alem Thi/Markin/Alem Thi/Markin/Alem Cy/TBI Bassan/Alem Thi/Markin/Alem Th	CSA only	Yes No No No No			aGvHD Delayed aGvHD N/A N/A N/A N/A Classic		Pred	Pea Neg Pea Neg Neg Neg Neg Neg Neg Neg Neg	Pos Pos Pos Pos
64_100 C7_200 C7_200	AMIL HL AMIL AMIL AMIL AMIL AMIL AMIL AMIL BOS AMIL BOS AMIL BOS AMIL BOS Medicone Both BOS BOS BOS BOS BOS BOS BOS BO	46 4 37 37 37 38 38 38 38 38 38 38 38 38 38 38 38 38	MUIO MAUO MAUO MAUO MAUO MAUO MAUO MAUO MAU	CoyTE Trushidatin/Alean Trushi	CSA only	Yes No No No No			aGvHD Delayed aGvHD N/A N/A N/A N/A Classic		Pred	Per	Pos Pos Pos Pos
64_000 C7_000	AMIL MIL AMIL AMIL AMIL AMIL MIC AMIL MIC MIC MIC MIC MIC MIC MIC	646 177 27 28 28 28 28 28 28 28 28 28 28 28 28 28	MUD MUD MUD MUD MUD MUD MUD MUD	Cy/TBI Thi/Markin/Alem Thi/Markin/Alem Thi/Markin/Alem Cy/TBI Bassan/Alem Thi/Markin/Alem Th	CSA only	Yes No No No No			aGvHD Delayed aGvHD N/A N/A N/A N/A Classic			Pea Neg Pea Neg Neg Neg Neg Neg Neg Neg Neg	Pos Pos Pos Pos

Supplementary table 1. Clinical characteristics of patients included in the study.

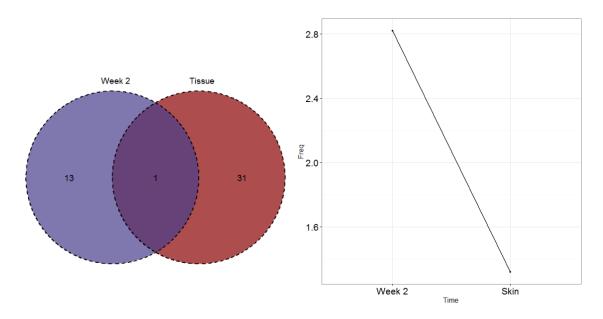
The first 52 rows describe allograft patients, remaining rows describe autograft patients. Table includes diagnosis and age at transplant. Characteristics of the transplant are then listed including 'donor type' (characterised as matched unrelated donor (MUD), sibling (SIB) or autograft (AUTO)) and conditioning regimen. Table then includes information relating to GvHD prophylaxis and disease including prophylactic drugs given, development of GvHD (grades II-IV), tissue affected, specific grade, NIHR classification as classic or delayed acute disease, time post SCT to GvHD onset and GvHD treatment strategy. Patient CMV status and donor CMV status at transplant are also included. Acute Myeloid Leukaemia (AML), Chronic Lymphocytic leukaemia (CLL), Myelodysplastic syndrome (MDS), Acute lymphocytic Leukaemia (ALL), Hodgkins lymphoma (HL), Granulocytic Sarcoma (GS), Myelofibrosis (MF), Double Hit lymphoma (DHL), Diffuse large B cell lymphoma (DLB CL) T-cell Non Hodgkins Lymphoma TC-NHL). Matched unrelated donor (MUD), Sibling (SIB), Fludarabine (Flu), Melphalan (Melph), Total body irradiation (TBI), Cyclophosphamide (Cy), Alemtuzumab (Alem), Methotrexate (MTX).

Allograft or Autograft	Lympohocyte count at week 2/μL whole blood
Allograft	400
Allograft	300
Allograft	400
Allograft	300
Autograft	400
Autograft	300
Autograft	600
Autograft	300
	Allograft Allograft Allograft Allograft Autograft Autograft Autograft Autograft

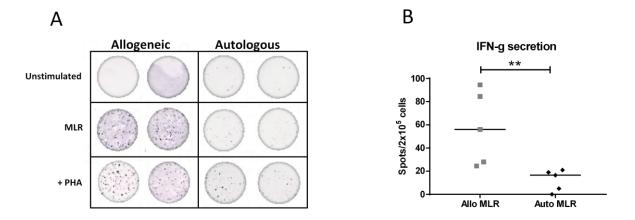
(B)	GSE36476_CTRL_VS_TSST_ACT_72H_MEMORY_CD4_TCELL_OLD_DN
. ,	GSE36476_CTRL_VS_TSST_ACT_40H_MEMORY_CD4_TCELL_OLD_DN
	GSE15750_DAY6_VS_DAY10_TRAF6KO_EFF_CD8_TCELL_UP
	GSE29617_CTRL_VS_TIV_FLU_VACCINE_PBMC_2008_DN
	GSE13485_DAY1_VS_DAY21_YF17D_VACCINE_PBMC_DN
	GSE21063_WT_VS_NFATC1_KO_8H_ANTI_IGM_STIM_BCELL_UP
	GSE24634_TEFF_VS_TCONV_DAY7_IN_CULTURE_UP
	GSE33292_WT_VS_TCF1_KO_DN3_THYMOCYTE_DN
	GSE10325_LUPUS_CD4_TCELL_VS_LUPUS_MYELOID_DN
	GSE21063_CTRL_VS_ANTI_IGM_STIM_BCELL_NFATC1_KO_8H_DN
	GSE36476_CTRL_VS_TSST_ACT_72H_MEMORY_CD4_TCELL_YOUNG_DN
	GSE39556_CD8A_DC_VS_NK_CELL_MOUSE_3H_POST_POLYIC_INJ_UP
	GSE17974_1H_VS_72H_UNTREATED_IN_VITRO_CD4_TCELL_DN
	GSE17974_OH_VS_24H_IN_VITRO_ACT_CD4_TCELL_DN
	GSE17974_CTRL_VS_ACT_IL4_AND_ANTI_IL12_48H_CD4_TCELL_DN
	GSE24634_TREG_VS_TCONV_POST_DAY7_IL4_CONVERSION_UP
	GSE36476_CTRL_VS_TSST_ACT_40H_MEMORY_CD4_TCELL_YOUNG_DN
	GSE28726_NAIVE_VS_ACTIVATED_CD4_TCELL_DN
	GSE13547_2H_VS_12_H_ANTI_IGM_STIM_BCELL_DN
	GSE3982_MEMORY_CD4_TCELL_VS_TH2_DN
	GSE28726_NAIVE_CD4_TCELL_VS_NAIVE_VA24NEG_NKTCELL_UP
	GSE29617_CTRL_VS_DAY3_TIV_FLU_VACCINE_PBMC_2008_DN
	GSE33162_UNTREATED_VS_4H_LPS_STIM_HDAC3_KO_MACROPHAGE_DN
	GSE13547_CTRL_VS_ANTI_IGM_STIM_BCELL_12H_UP
	GSE22886_NAIVE_CD4_TCELL_VS_MONOCYTE_DN
	GSE13485_PRE_VS_POST_YF17D_VACCINATION_PBMC_DN
	GSE15750_DAY6_VS_DAY10_EFF_CD8_TCELL_UP
	GOLDRATH_EFF_VS_MEMORY_CD8_TCELL_UP
	GSE17974_CTRL_VS_ACT_IL4_AND_ANTI_IL12_24H_CD4_TCELL_DN
	GSE24574_BCL6_LOW_TFH_VS_TCONV_CD4_TCELL_DN
	GSE18893_TCONV_VS_TREG_24H_TNF_STIM_UP
	GSE14415_INDUCED_TREG_VS_TCONV_UP
	GSE29618_BCELL_VS_MDC_DAY7_FLU_VACCINE_DN
	GSE13485_DAY1_VS_DAY7_YF17D_VACCINE_PBMC_DN
	GSE14415_INDUCED_VS_NATURAL_TREG_DN
	GOLDRATH_NAIVE_VS_EFF_CD8_TCELL_DN
	GSE5679_CTRL_VS_PPARG_LIGAND_ROSIGLITAZONE_TREATED_DC_UP

Supplementary figure 1. RNA-Seq analysis of transcriptome in SCP and week 2 T cells from allograft and autograft patients.

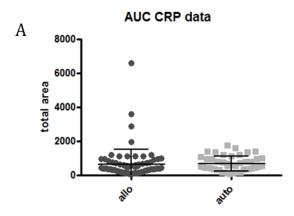
- (A) Table showing the lymphocyte count of each patient used in RNA-Seq study at week 2 post-SCT.
- (B) Table showing the top 25 c7 gene sets from CD4 cells and the top 25 from CD8 cells, resulting in a total of 37 unique terms.

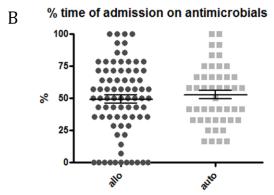


Supplementary Figure 2. T cell clones at week 2 post HSCT are detectable in GvHD affected tissues. Venn diagram showing the number of shared TCR beta chain CDR3 sequences between week 2 (blue set) and GvHD Skin (pink set) in the same patient. Line graph shows the log10 frequency of reads for each T cell clone present in the blood at week 2 and in the skin at the point of aGvHD.

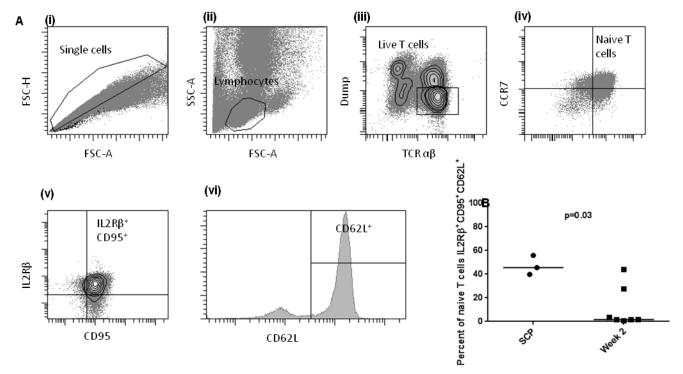


Supplementary Figure 3. Detection of donor derived alloreactive response at 2 weeks after SCT. (A) Representative wells in duplicate depicting Interferon gamma (IFN- γ) secretion by PBMCs isolated from patient at day 14 after allogeneic (autologous) transplant. $1x10^5$ PBMC/well were stimulated either by T cell depleted PBMCs isolated pre-transplant from the patient in a mixed lymphocyte reaction (MLR) or with PHA. (B) IFN- γ release measured in 5 allogeneic and 5 autologous transplant patients as IFN- γ spots/ $2x10^5$ cells per well. Statistical comparison was made using Mann-Whitney test, ** depict p value <0.01





Supplementary Figure 4.There was no difference in the infection rate between the auto and allo-HSCT patients. A. Area under the curve analyses were performed for each patient's CRP levels. Allo-HSCT patients inpatient stays were 14 days on average, while auto-HSCT patient stays were 12 days. There is no difference in the mean AUC suggesting that the inflammatory response early after HSCT was not significantly different in allo versus auto-HSCT. **B.** The percentage of time a patient spent receiving Intravenous antimicrobials throughout their inpatient stay was calculated for all patients. There is no demonstrable difference between allo and auto-HSCT groups.



Supplementary Figure 5. Frequencies of memory stem T cells at week 2 and in the stem cell product. Analysis of memory stem T-cells as a proportion of total T cells present in the stem cell product and in matched week 2 peripheral blood of allograft patients. All patients underwent FMC conditioning. Memory stem T-cells are defined as $TCR\alpha\beta^+$ $CD45RA^+$ $CCR7^+$ $IL2R\beta^+$ $CD95^+$ and $CD62L^+$. (A) gating strategy: (i) single cells ii) lymphocytes iii) live $\alpha\beta$ T-cells iv) $CD45RA^+$ $CCR7^-$ T-cells v) $IL2R\beta^+CD95^+$ (vi) CD62L. b) Proportion of memory stem T cells in the stem cell product (SCP) and at week 2 post transplant in matched patient samples. Each line represents one patient; data were analysed by two-tailed, Willcoxon matched-paired sign rank test; *p<0.05

Supplementary data 1. Excel spreadsheet listing all data from the RNA-seq analysis of transcriptome in SCP and week2 T cells from autograft and allograft patients.

Tab1: all significantly differentially regulated genes in CD4 and CD8 T cells from SCP T cells (comparing autograft and allograft) and in CD4 and CD8 T cells from week 2 T cells (comparing autograft and allograft). Each row indicates one gene (represented by its ensemble ID). A positive log2 fold change (log2FoldChange) indicates upregulation of the gene in allografts compared to autografts; a negative log2 fold change (log2FoldChange) indicates downregulation of the gene in allografts compared to autografts. T cell type and timepoint are specified in columns H and I. padj: adjusted p value (calculated using the Benjamini-Hochberg procedure).

Tab2: all significantly differentially regulated gene ontogeny (GO) terms in CD4 and CD8 T cells from SCP T cells (comparing autograft and allograft) and in CD4 and CD8 T cells from week 2 T cells (comparing autograft and allograft). Each row indicates one GO term. The columns represent q-values for GSEA tests, comparing allografts vs autografts. The header of each column describes the cell type (CD4 or CD8), the time point (SCP or WK2), and whether each gene set is overrepresented (greater) or underrepresented (less).

Tab3: All significantly differentially regulated MSigDB 'hallmark' gene sets. Each row indicates one gene set. The columns represent q-values for GSEA tests, comparing allografts vs autografts. The header of each column describes the cell type (CD4 or CD8), the time point (SCP or WK2), and whether each gene set is overrepresented (greater) or underrepresented (less).

Tab4: All significantly differentially regulated 'C7 immunological signatures' gene sets. The columns represent q-values for GSEA tests, comparing allografts vs autografts. The header of each column describes the cell type (CD4 or CD8), the time point (SCP or WK2), and whether each gene set is overrepresented (greater) or underrepresented (less).