

**Table S6. Association analysis between SNPs and GVHD III-IV status post-haplo-HSCT.**

Source of DNA <sup>a</sup>	SNP	Gene	Outcome/ status	Number of patients			Model	p-value
<b>P</b>	rs9276982	HLA-DOA	GVHD III-IV	GG	AG	AA	Additive	0.362
			Yes	3	3	0	Dominant	0.362
				18.8%	37.5%	0.0%	Recessive	NA
			No	13	5	0	Homozygous	NA
				81.3%	62.5%	0.0%	Heterozygous	0.362
<b>P</b>	rs71565361	HLA-DOA	GVHD III-IV	CC	CA	AA	Additive	1.000
			Yes	6	0	0	Dominant	1.000
				26.1%	0.0%	0.0%	Recessive	NA
			No	17	1	0	Homozygous	NA
				73.9%	100.0%	0.0%	Heterozygous	1.000
<b>P</b>	rs79327197	HLA-DOA	GVHD III-IV	AA	AG	GG	Additive	0.251
			Yes	4	2	0	Dominant	0.251
				20.0%	50.0%	0.0%	Recessive	NA
			No	16	2	0	Homozygous	NA
				80.0%	50.0%	0.0%	Heterozygous	0.251
<b>P</b>	rs151190962	HLA-DOA	GVHD III-IV	AA	delA	del	Additive	0.250
			Yes	5	1	0	Dominant	0.250
				21.7%	100.0%	0.0%	Recessive	NA
			No	18	0	0	Homozygous	NA
				78.3%	0.0%	0.0%	Heterozygous	0.250
<b>P</b>	rs9282369	HLA-DOA	GVHD III-IV	ins	insT	TT	Additive	0.146
			Yes	2	4	0	Dominant	1.000
				22.2%	44.4%	0.0%	Recessive	0.277
			No	7	5	6	Homozygous	0.486
				77.8%	55.6%	100.0%	Heterozygous	0.620
<b>P</b>	rs2009658	LTA	GVHD III-IV	CC	CG	GG	Additive	1.000
			Yes	4	2	0	Dominant	1.000
				25.0%	25.0%	0.0%	Recessive	NA
			No	12	6	0	Homozygous	NA
				75.0%	75.0%	0.0%	Heterozygous	1.000
<b>P</b>	rs111250247	LTA	GVHD III-IV	TT	TA	AA	Additive	NA
			Yes	6	0	0	Dominant	NA
				25.0%	0.0%	0.0%	Recessive	NA
			No	18	0	0	Homozygous	NA
				75.0%	0.0%	0.0%	Heterozygous	NA
<b>P</b>	rs915654	LTA	GVHD III-IV	AA	TA	TT	Additive	0.915
			Yes	1	4	1	Dominant	1.000
				20.0%	25.0%	33.3%	Recessive	1.000
			No	4	12	2	Homozygous	1.000
				80.0%	75.0%	66.7%	Heterozygous	1.000
<b>P</b>	rs34324979	HSPA1L	GVHD III-IV	GG	Gins	ins	Additive	0.618
			Yes	4	2	0	Dominant	0.618
				22.2%	33.3%	0.0%	Recessive	NA
			No	14	4	0	Homozygous	NA
				77.8%	66.7%	0.0%	Heterozygous	0.618

<b>P</b>	rs2075800	HSPA1L	GVHD III-IV	CC	CT	TT	Additive	
			Yes	1	5	0	Dominant	
				16.7%	35.7%	0.0%	Recessive	0.539
			No	5	9	4	Homozygous	
				83.3%	64.3%	100.0%	Heterozygous	
<b>P</b>	rs2227956	HSPA1L	GVHD III-IV	AA	GA	GG	Additive	0.251
			Yes	4	2	0	Dominant	0.251
				20.0%	50.0%	0.0%	Recessive	NA
			No	16	2	0	Homozygous	NA
				80.0%	50.0%	0.0%	Heterozygous	0.251
<b>P</b>	rs107822	RING1	GVHD III-IV	TT	CT	CC	Additive	0.224
			Yes	3	2	1	Dominant	0.643
				21.4%	25.0%	100.0%	Recessive	0.261
			No	11	6	0	Homozygous	0.267
				78.6%	75.0%	0.0%	Heterozygous	1.000
<b>P</b>	rs213210	RING1	GVHD III-IV	GG	AG	AA	Additive	0.259
			Yes	2	4	0	Dominant	0.341
				15.4%	44.4%	0.0%	Recessive	1.000
			No	11	5	1	Homozygous	1.000
				84.6%	55.6%	100.0%	Heterozygous	0.178
<b>P</b>	rs209132	TRIM27	GVHD III-IV	GG	AG	AA	Additive	0.934
			Yes	3	2	1	Dominant	1.000
				23.1%	25.0%	33.3%	Recessive	1.000
			No	10	6	2	Homozygous	1.000
				76.9%	75.0%	66.7%	Heterozygous	1.000
<b>P</b>	rs209131	TRIM27	GVHD III-IV	GG	AG	AA	Additive	0.953
			Yes	2	3	1	Dominant	1.000
				25.0%	27.3%	20.0%	Recessive	1.000
			No	6	8	4	Homozygous	1.000
				75.0%	72.7%	80.0%	Heterozygous	1.000
<b>P</b>	rs209130	TRIM27	GVHD III-IV	TT	CT	CC	Additive	0.599
			Yes	3	3	0	Dominant	1.000
				23.1%	33.3%	0.0%	Recessive	1.000
			No	10	6	2	Homozygous	1.000
				76.9%	66.7%	100.0%	Heterozygous	0.655
<b>P</b>	rs1536215	TRIM27	GVHD III-IV	CC	CG	GG	Additive	1.000
			Yes	4	2	0	Dominant	1.000
				23.5%	28.6%	0.0%	Recessive	NA
			No	13	5	0	Homozygous	NA
				76.5%	71.4%	0.0%	Heterozygous	1.000
<b>P</b>	rs139791445	TRIM27	GVHD III-IV	CC	CG	GG	Additive	NA
			Yes	6	0	0	Dominant	NA
				25.0%	0.0%	0.0%	Recessive	NA
			No	18	0	0	Homozygous	NA
				75.0%	0.0%	0.0%	Heterozygous	NA
<b>P</b>	rs11244	HLA-DOB	GVHD III-IV	GG	AG	AA	Additive	0.558
			Yes	4	1	0	Dominant	0.611
				28.6%	14.3%	0.0%	Recessive	1.000
			No	10	6	2	Homozygous	1.000

				71.4%	85.7%	100.0%	Heterozygous	0.624
<b>P</b>	rs2070120	HLA-DOB	GVHD III-IV	GG	AG	AA	Additive	0.539
			Yes	4	1	0	Dominant	0.539
				20.0%	33.3%	0.0%	Recessive	NA
			No	16	2	0	Homozygous	NA
				80.0%	66.7%	0.0%	Heterozygous	0.539
<b>P</b>	rs56150445	HLA-DOB	GVHD III-IV	GG	CG	CC	Additive	NA
			Yes	5	0	0	Dominant	NA
				21.7%	0.0%	0.0%	Recessive	NA
			No	18	0	0	Homozygous	NA
				78.3%	0.0%	0.0%	Heterozygous	NA
<b>P</b>	rs41258084	HLA-DOB	GVHD III-IV	CC	CT	TT	Additive	1.000
			Yes	5	0	0	Dominant	1.000
				23.8%	0.0%	0.0%	Recessive	NA
			No	16	2	0	Homozygous	NA
				76.2%	100.0%	0.0%	Heterozygous	1.000
<b>P</b>	rs17220087	HLA-DOB	GVHD III-IV	CC	AC	AA	Additive	0.539
			Yes	4	1	0	Dominant	0.539
				20.0%	33.3%	0.0%	Recessive	NA
			No	16	2	0	Homozygous	NA
				80.0%	66.7%	0.0%	Heterozygous	0.539
<b>P</b>	rs2071479	HLA-DOB	GVHD III-IV	CC	CT	TT	Additive	1.000
			Yes	5	0	0	Dominant	1.000
				22.7%	0.0%	0.0%	Recessive	NA
			No	17	1	0	Homozygous	NA
				77.3%	100.0%	0.0%	Heterozygous	1.000
<b>P</b>	rs17213693	HLA-DOB	GVHD III-IV	GG	CG	CC	Additive	1.000
			Yes	4	1	0	Dominant	1.000
				21.1%	25.0%	0.0%	Recessive	NA
			No	15	3	0	Homozygous	NA
				78.9%	75.0%	0.0%	Heterozygous	1.000
<b>P</b>	rs3130048	BAG6	GVHD III-IV	TT	CT	CC	Additive	0.223
			Yes	2	4	0	Dominant	0.192
				14.3%	44.4%	0.0%	Recessive	1.000
			No	12	5	1	Homozygous	1.000
				85.7%	55.6%	100.0%	Heterozygous	0.162
<b>P</b>	rs2844464	BAG6	GVHD III-IV	GG	AG	AA	Additive	0.789
			Yes	5	1	0	Dominant	1.000
				27.8%	20.0%	0.0%	Recessive	1.000
			No	13	4	1	Homozygous	1.000
				72.2%	80.0%	100.0%	Heterozygous	1.000
<b>P</b>	rs2242656	BAG6	GVHD III-IV	TT	CT	CC	Additive	1.000
			Yes	5	1	0	Dominant	1.000
				26.3%	20.0%	0.0%	Recessive	NA
			No	14	4	0	Homozygous	NA
				73.7%	80.0%	0.0%	Heterozygous	1.000
<b>D</b>	rs61365987	NOTCH4	GVHD III-IV	CC	CT	TT	Additive	1.000
			Yes	5	1	0	Dominant	1.000

				23.8%	33.3%	0.0%	Recessive	NA
		No		16	2	0	Homozygous	NA
				76.2%	66.7%	0.0%	Heterozygous	1.000
<b>D</b>	rs444472	NOTCH4	GVHD III-IV	GG	GA	AA	Additive	0.180
		Yes		4	1	1	Dominant	0.250
				25.0%	14.3%	100.0%	Recessive	0.446
		No		12	6	0	Homozygous	0.294
				75.0%	85.7%	0.0%	Heterozygous	1.000
<b>D</b>	rs2256594	NOTCH4	GVHD III-IV	AA	AG	GG	Additive	0.409
		Yes		1	3	2	Dominant	0.629
				14.3%	23.1%	50.0%	Recessive	0.251
		No		6	10	2	Homozygous	0.491
				85.7%	76.9%	50.0%	Heterozygous	1.000
<b>D</b>	rs394657	NOTCH4	GVHD III-IV	AA	AG	GG	Additive	0.180
		Yes		4	1	1	Dominant	1.000
				25.0%	14.3%	100.0%	Recessive	0.250
		No		12	6	0	Homozygous	0.294
				75.0%	85.7%	0.0%	Heterozygous	1.000
<b>D</b>	rs429853	NOTCH4	GVHD III-IV	TT	TC	CC	Additive	1.000
		Yes		4	2	0	Dominant	1.000
				23.5%	28.6%	0.0%	Recessive	NA
		No		13	5	0	Homozygous	NA
				76.5%	71.4%	0.0%	Heterozygous	1.000
<b>D</b>	rs111394117	NOTCH4	GVHD III-IV	GG	GA	AA	Additive	1.000
		Yes		5	1	0	Dominant	1.000
				23.8%	33.3%	0.0%	Recessive	NA
		No		16	2	0	Homozygous	NA
				76.2%	66.7%	0.0%	Heterozygous	1.000
<b>D</b>	rs9281491	HCP5	GVHD III-IV	ins	insA	AA	Additive	0.750
		Yes		4	2	0	Dominant	1.000
				23.5%	33.3%	0.0%	Recessive	1.000
		No		13	4	1	Homozygous	1.000
				76.5%	66.7%	100.0%	Heterozygous	0.632
<b>D</b>	rs2244546	HCP5	GVHD III-IV	CC	CG	GG	Additive	0.129
		Yes		2	4	0	Dominant	0.129
				12.5%	50.0%	0.0%	Recessive	NA
		No		14	4	0	Homozygous	NA
				87.5%	50.0%	0.0%	Heterozygous	0.129
<b>D</b>	rs4713466	HCP5	GVHD III-IV	CC	CT	TT	Additive	1.000
		Yes		3	3	0	Dominant	1.000
				23.1%	27.3%	0.0%	Recessive	NA
		No		10	8	0	Homozygous	NA
				76.9%	72.7%	0.0%	Heterozygous	1.000
<b>D</b>	rs2523676	HCP5	GVHD III-IV	CC	CT	TT	Additive	0.537
		Yes		2	4	0	Dominant	1.000
				20.0%	33.3%	0.0%	Recessive	1.000
		No		8	8	2	Homozygous	1.000
				80.0%	66.7%	100.0%	Heterozygous	0.646

<b>D</b>	rs2523675	HCP5	GVHD III-IV	GG	GA	AA	Additive	0.537
			Yes	2	4	0	Dominant	0.618
				33.3%	26.7%	0.0%	Recessive	0.546
			No	4	11	3	Homozygous	0.500
				66.7%	73.3%	100.0%	Heterozygous	1.000
<b>D</b>	rs2518028	HCP5	GVHD III-IV	CC	TC	TT	Additive	1.000
			Yes	5	1	0	Dominant	1.000
				26.3%	20.0%	0.0%	Recessive	NA
			No	14	4	0	Homozygous	NA
				73.7%	80.0%	0.0%	Heterozygous	1.000
<b>D</b>	rs141431529	HCP5	GVHD III-IV	GG	GT	TT	Additive	0.251
			Yes	4	2	0	Dominant	0.251
				20.0%	50.0%	0.0%	Recessive	NA
			No	16	2	0	Homozygous	NA
				80.0%	50.0%	0.0%	Heterozygous	0.251
<b>D</b>	rs107822	RING1	GVHD III-IV	TT	CT	CC	Additive	0.157
			Yes	3	1	2	Dominant	1.000
				25.0%	11.1%	66.7%	Recessive	0.143
			No	9	8	1	Homozygous	0.242
				75.0%	88.9%	33.3%	Heterozygous	0.603
<b>D</b>	rs213210	RING1	GVHD III-IV	GG	AG	AA	Additive	<b>0.031</b>
			Yes	3	0	3	Dominant	0.635
				33.3%	0.0%	60.0%	Recessive	0.078
			No	6	10	2	Homozygous	0.580
				66.7%	100.0%	40.0%	Heterozygous	0.087
<b>D</b>	rs209132	TRIM27	GVHD III-IV	GG	AG	AA	Additive	0.616
			Yes	3	2	1	Dominant	1.000
				27.3%	18.2%	50.0%	Recessive	0.446
			No	8	9	1	Homozygous	1.000
				72.7%	81.8%	50.0%	Heterozygous	1.000
<b>D</b>	rs209131	TRIM27	GVHD III-IV	GG	AG	AA	Additive	1.000
			Yes	2	3	1	Dominant	1.000
				25.0%	25.0%	25.0%	Recessive	1.000
			No	6	9	3	Homozygous	1.000
				75.0%	75.0%	75.0%	Heterozygous	1.000
<b>D</b>	rs209130	TRIM27	GVHD III-IV	TT	CT	CC	Additive	0.834
			Yes	3	3	0	Dominant	1.000
				25.0%	27.3%	0.0%	Recessive	1.000
			No	9	8	1	Homozygous	1.000
				75.0%	72.7%	100.0%	Heterozygous	1.000
<b>D</b>	rs1536215	TRIM27	GVHD III-IV	CC	CG	GG	Additive	1.000
			Yes	4	2	0	Dominant	1.000
				23.5%	28.6%	0.0%	Recessive	NA
			No	13	5	0	Homozygous	NA
				76.5%	71.4%	0.0%	Heterozygous	1.000
<b>D</b>	rs139791445	TRIM27	GVHD III-IV	CC	CG	GG	Additive	1.000
			Yes	6	0	0	Dominant	1.000
				26.1%	0.0%	0.0%	Recessive	NA
			No	17	1	0	Homozygous	NA

				73.9%	100.0%	0.0%	Heterozygous	1.000
<b>D</b>	rs11244	HLA-DOB	GVHD III-IV	GG	AG	AA	Additive	<b>0.032</b>
			Yes	0	4	2	Dominant	<b>0.024</b>
				0.0%	36.4%	66.7%	Recessive	0.143
			No	10	7	1	Homozygous	<b>0.038</b>
				100.0%	63.6%	33.3%	Heterozygous	0.090
<b>D</b>	rs2070120	HLA-DOB	GVHD III-IV	GG	AG	AA	Additive	1.000
			Yes	6	0	0	Dominant	1.000
				26.1%	0.0%	0.0%	Recessive	NA
			No	17	1	0	Homozygous	NA
				73.9%	100.0%	0.0%	Heterozygous	1.000
<b>D</b>	rs56150445	HLA-DOB	GVHD III-IV	GG	CG	CC	Additive	NA
			Yes	6	0	0	Dominant	NA
				25.0%	0.0%	0.0%	Recessive	NA
			No	18	0	0	Homozygous	NA
				75.0%	0.0%	0.0%	Heterozygous	NA
<b>D</b>	rs41258084	HLA-DOB	GVHD III-IV	CC	CT	TT	Additive	1.000
			Yes	6	0	0	Dominant	1.000
				27.3%	0.0%	0.0%	Recessive	NA
			No	16	2	0	Homozygous	NA
				72.7%	100.0%	0.0%	Heterozygous	1.000
<b>D</b>	rs17220087	HLA-DOB	GVHD III-IV	CC	AC	AA	Additive	NA
			Yes	6	0	0	Dominant	NA
				26.1%	0.0%	0.0%	Recessive	NA
			No	17	1	0	Homozygous	NA
				73.9%	100.0%	0.0%	Heterozygous	NA
<b>D</b>	rs2071479	HLA-DOB	GVHD III-IV	CC	CT	TT	Additive	0.250
			Yes	5	1	0	Dominant	0.250
				21.7%	100.0%	0.0%	Recessive	NA
			No	18	0	0	Homozygous	NA
				78.3%	0.0%	0.0%	Heterozygous	0.250
<b>D</b>	rs17213693	HLA-DOB	GVHD III-IV	GG	CG	CC	Additive	1.000
			Yes	6	0	0	Dominant	1.000
				26.1%	0.0%	0.0%	Recessive	NA
			No	17	1	0	Homozygous	NA
				73.9%	100.0%	0.0%	Heterozygous	1.000
<b>D</b>	rs3130048	BAG6	GVHD III-IV	TT	CT	CC	Additive	0.853
			Yes	4	1	1	Dominant	1.000
				28.6%	16.7%	25.0%	Recessive	1.000
			No	10	5	3	Homozygous	1.000
				71.4%	83.3%	75.0%	Heterozygous	1.000
<b>D</b>	rs2844464	BAG6	GVHD III-IV	GG	AG	AA	Additive	1.000
			Yes	5	1	0	Dominant	1.000
				26.3%	20.0%	0.0%	Recessive	NA
			No	14	4	0	Homozygous	NA
				73.7%	80.0%	0.0%	Heterozygous	1.000
<b>D</b>	rs2242656	BAG6	GVHD III-IV	TT	CT	CC	Additive	1.000
			Yes	5	1	0	Dominant	1.000

				26.3%	20.0%	0.0%	Recessive	NA
			No	14	4	0	Homozygous	NA
				73.7%	80.0%	0.0%	Heterozygous	1.000
<b>M</b>	rs107822	RING1	GVHD III-IV	matched			unmatched	
			Yes	3			3	1.000
				27.3%			25.0%	
			No	8			9	
				72.7%			75.0%	
<b>M</b>	rs213210	RING1	GVHD III-IV	matched			unmatched	
			Yes	1			5	0.621
				14.3%			31.3%	
			No	6			11	
				85.7%			68.8%	
<b>M</b>	rs209132	TRIM27	GVHD III-IV	matched			unmatched	
			Yes	4			2	1.000
				26.7%			22.2%	
			No	11			7	
				73.3%			77.8%	
<b>M</b>	rs209131	TRIM27	GVHD III-IV	matched			unmatched	
			Yes	3			3	0.665
				21.4%			30.0%	
			No	11			7	
				78.6%			70.0%	
<b>M</b>	rs209130	TRIM27	GVHD III-IV	matched			unmatched	
			Yes	4			2	1.000
				28.6%			20.0%	
			No	10			8	
				71.4%			80.0%	
<b>M</b>	rs1536215	TRIM27	GVHD III-IV	matched			unmatched	
			Yes	6			0	0.539
				30.0%			0.0%	
			No	14			4	
				70.0%			100.0%	
<b>M</b>	rs139791445	TRIM27	GVHD III-IV	matched			unmatched	
			Yes	6			0	1.000
				26.1%			0.0%	
			No	17			1	
				73.9%			100.0%	
<b>M</b>	rs11244	HLA-DOB	GVHD III-IV	matched			unmatched	
			Yes	0			5	0.007
				0.0%			50.0%	
			No	13			5	
				100.0%			50.0%	
<b>M</b>	rs2070120	HLA-DOB	GVHD III-IV	matched			unmatched	
			Yes	5			0	1.000
				22.7%			0.0%	
			No	17			1	
				77.3%			100.0%	
<b>M</b>	rs56150445	HLA-DOB	GVHD III-IV	matched			unmatched	

			Yes	5	0	NA		
				21.7%	0.0%			
			No	18	0			
				78.3%	0.0%			
<b>M</b>	rs41258084	HLA-DOB	GVHD III-IV	matched	unmatched			
			Yes	5	0	NA		
				21.7%	0.0%			
			No	18	0			
				78.3%	0.0%			
<b>M</b>	rs17220087	HLA-DOB	GVHD III-IV	matched	unmatched			
			Yes	4	1	0.395		
				19.0%	50.0%			
			No	17	1			
				81.0%	50.0%			
<b>M</b>	rs2071479	HLA-DOB	GVHD III-IV	matched	unmatched			
			Yes	5	0	1.000		
				22.7%	0.0%			
			No	17	1			
				77.3%	100.0%			
<b>M</b>	rs17213693	HLA-DOB	GVHD III-IV	matched	unmatched			
			Yes	5	0	1.000		
				22.7%	0.0%			
			No	17	1			
				77.3%	100.0%			
<b>M</b>	rs3130048	BAG6	GVHD III-IV	matched	unmatched			
			Yes	3	3	1.000		
				23.1%	27.3%			
			No	10	8			
				76.9%	72.7%			
<b>M</b>	rs2844464	BAG6	GVHD III-IV	matched	unmatched			
			Yes	6	0	0.130		
				35.3%	0.0%			
			No	11	7			
				64.7%	100.0%			
<b>M</b>	rs2242656	BAG6	GVHD III-IV	matched	unmatched			
			Yes	6	0	0.277		
				33.3%	0.0%			
			No	12	6			
				66.7%	100.0%			
Source of DNA <sup>a</sup>	SNP	Gene	Outcome/ status	Number of patients			Model	<i>p</i> -value
<b>D</b>	rs11571315	CTLA4	GVHD III-IV	TT	CT	CC	Additive	0.337
			Yes	2	4	0	Dominant	0.357
				15.4%	40.0%	0.0%	Recessive	1.000
			No	11	6	1	Homozygous	1.000
				84.6%	60.0%	100.0%	Heterozygous	0.341
<b>D</b>	rs733618	CTLA4	GVHD III-IV	CC	CT	TT	Additive	0.853
			Yes	1	4	1	Dominant	1.000
				16.7%	28.6%	25.0%	Recessive	1.000
			No	5	10	3	Homozygous	1.000
				83.3%	71.4%	75.0%	Heterozygous	1.000



<b>D</b>	rs4553808	CTLA4	GVHD III-IV	AA	AG	GG	Additive	1.000
			Yes	5	1	0	Dominant	1.000
				23.8%	33.3%	0.0%	Recessive	NA
			No	16	2	0	Homozygous	NA
				76.2%	66.7%	0.0%	Heterozygous	1.000
<b>D</b>	rs11571316	CTLA4	GVHD III-IV	GG	AG	AA	Additive	0.665
			Yes	3	3	0	Dominant	0.665
				21.4%	30.0%	0.0%	Recessive	NA
			No	11	7	0	Homozygous	NA
				78.6%	70.0%	0.0%	Heterozygous	0.665
<b>D</b>	rs62182595	CTLA4	GVHD III-IV	GG	AG	AA	Additive	1.000
			Yes	5	1	0	Dominant	1.000
				23.8%	33.3%	0.0%	Recessive	NA
			No	16	2	0	Homozygous	NA
				76.2%	66.7%	0.0%	Heterozygous	1.000
<b>D</b>	rs573554201	CTLA4	GVHD III-IV	AA	AG	GG	Additive	NA
			Yes	6	0	0	Dominant	NA
				25.0%	0.0%	0.0%	Recessive	NA
			No	18	0	0	Homozygous	NA
				75.0%	0.0%	0.0%	Heterozygous	NA
<b>D</b>	rs16840252	CTLA4	GVHD III-IV	CC	CT	TT	Additive	1.000
			Yes	5	1	0	Dominant	1.000
				23.8%	33.3%	0.0%	Recessive	NA
			No	16	2	0	Homozygous	NA
				76.2%	66.7%	0.0%	Heterozygous	1.000
<b>D</b>	rs945677329	CTLA4	GVHD III-IV	AA	AG	GG	Additive	1.000
			Yes	6	0	0	Dominant	1.000
				26.1%	0.0%	0.0%	Recessive	NA
			No	17	1	0	Homozygous	NA
				73.9%	100.0%	0.0%	Heterozygous	1.000
<b>D</b>	rs5742909	CTLA4	GVHD III-IV	CC	CT	TT	Additive	1.000
			Yes	5	1	0	Dominant	1.000
				26.3%	20.0%	0.0%	Recessive	NA
			No	14	4	0	Homozygous	NA
				73.7%	80.0%	0.0%	Heterozygous	1.000
<b>D</b>	rs231775	CTLA4	GVHD III-IV	GG	AG	AA	Additive	0.591
			Yes	2	4	0	Dominant	0.649
				18.2%	33.3%	0.0%	Recessive	1.000
			No	9	8	1	Homozygous	1.000
				81.8%	66.7%	100.0%	Heterozygous	0.640
<b>D</b>	rs56102377	CTLA4	GVHD III-IV	GG	AG	AA	Additive	0.446
			Yes	5	1	0	Dominant	0.446
				22.7%	50.0%	0.0%	Recessive	NA
			No	17	1	0	Homozygous	NA
				77.3%	50.0%	0.0%	Heterozygous	0.446
<b>D</b>	rs56217811	CTLA4	GVHD III-IV	CC	CA	AA	Additive	NA
			Yes	6	0	0	Dominant	NA
				25.0%	0.0%	0.0%	Recessive	NA

			No	18	0	0	Homozygous	NA
				75.0%	0.0%	0.0%	Heterozygous	NA
<b>D</b>	rs55696217	CTLA4	GVHD III-IV	GG	GA	AA	Additive	NA
			Yes	6	0	0	Dominant	NA
				25.0%	0.0%	0.0%	Recessive	NA
			No	18	0	0	Homozygous	NA
				75.0%	0.0%	0.0%	Heterozygous	NA
<b>D</b>	rs231721	CTLA4	GVHD III-IV	TT	CT	CC	Additive	NA
			Yes	6	0	0	Dominant	NA
				25.0%	0.0%	0.0%	Recessive	NA
			No	18	0	0	Homozygous	NA
				75.0%	0.0%	0.0%	Heterozygous	NA
<b>D</b>	rs778932058	CTLA4	GVHD III-IV	AA	AG	GG	Additive	NA
			Yes	6	0	0	Dominant	NA
				25.0%	0.0%	0.0%	Recessive	NA
			No	18	0	0	Homozygous	NA
				75.0%	0.0%	0.0%	Heterozygous	NA
<b>D</b>	rs3087243	CTLA4	GVHD III-IV	GG	AG	AA	Additive	1.000
			Yes	3	3	0	Dominant	1.000
				23.1%	27.3%	0.0%	Recessive	NA
			No	10	8	0	Homozygous	NA
				76.9%	72.7%	0.0%	Heterozygous	1.000
<b>D</b>	rs11571319	CTLA4	GVHD III-IV	GG	AG	AA	Additive	1.000
			Yes	5	1	0	Dominant	1.000
				25.0%	25.0%	0.0%	Recessive	NA
			No	15	3	0	Homozygous	NA
				75.0%	75.0%	0.0%	Heterozygous	1.000
<b>D</b>	rs1234314	TNFSF4	GVHD III-IV	CC	CG	GG	Additive	0.475
			Yes	1	4	1	Dominant	0.621
				12.5%	36.4%	20.0%	Recessive	1.000
			No	7	7	4	Homozygous	1.000
				87.5%	63.6%	80.0%	Heterozygous	0.338
<b>D</b>	rs45454293	TNFSF4	GVHD III-IV	CC	CT	TT	Additive	0.358
			Yes	3	3	0	Dominant	0.635
				20.0%	42.9%	0.0%	Recessive	1.000
			No	12	4	2	Homozygous	1.000
				80.0%	57.1%	100.0%	Heterozygous	0.334
<b>D</b>	rs181758110	TNFSF4	GVHD III-IV	CC	CT	TT	Additive	NA
			Yes	6	0	0	Dominant	NA
				25.0%	0.0%	0.0%	Recessive	NA
			No	18	0	0	Homozygous	NA
				75.0%	0.0%	0.0%	Heterozygous	NA
<b>D</b>	rs1879877	CD28	GVHD III-IV	TT	GT	GG	Additive	0.818
			Yes	2	4	0	Dominant	1.000
				25.0%	28.6%	0.0%	Recessive	1.000
			No	6	10	1	Homozygous	1.000
				75.0%	71.4%	100.0%	Heterozygous	0.623
<b>D</b>	rs3181096	CD28	GVHD III-IV	CC	CT	TT	Additive	0.643

			Yes	3	3	0	Dominant	0.643
				21.4%	33.3%	0.0%	Recessive	NA
			No	11	6	0	Homozygous	NA
				78.6%	66.7%	0.0%	Heterozygous	0.643
<b>D</b>	rs3181097	CD28	GVHD III-IV	AA	AG	GG	Additive	0.818
			Yes	2	3	1	Dominant	0.632
				33.3%	21.4%	33.3%	Recessive	1.000
			No	4	11	2	Homozygous	1.000
				66.7%	78.6%	66.7%	Heterozygous	0.613
<b>D</b>	rs3181098	CD28	GVHD III-IV	GG	AG	AA	Additive	0.643
			Yes	3	3	0	Dominant	0.643
				21.4%	33.3%	0.0%	Recessive	NA
			No	11	6	0	Homozygous	NA
				78.6%	66.7%	0.0%	Heterozygous	0.643
<b>D</b>	rs28718975	CD28	GVHD III-IV	TT	CT	CC	Additive	0.075
			Yes	5	0	1	Dominant	0.621
				31.3%	0.0%	100.0%	Recessive	0.261
			No	11	6	0	Homozygous	0.353
				68.8%	100.0%	0.0%	Heterozygous	0.266
<b>D</b>	rs28688913	CD28	GVHD III-IV	CC	CT	TT	Additive	0.621
			Yes	5	1	0	Dominant	0.621
				31.3%	14.3%	0.0%	Recessive	NA
			No	11	6	0	Homozygous	NA
				68.8%	85.7%	0.0%	Heterozygous	0.621
<b>D</b>	rs28541784	CD28	GVHD III-IV	CC	CT	TT	Additive	0.144
			Yes	6	0	0	Dominant	0.144
				35.3%	0.0%	0.0%	Recessive	NA
			No	11	6	0	Homozygous	NA
				64.7%	100.0%	0.0%	Heterozygous	0.144
<b>D</b>	rs201801072	CD28	GVHD III-IV	TT	CT	CC	Additive	0.621
			Yes	5	1	0	Dominant	0.621
				31.3%	14.3%	0.0%	Recessive	NA
			No	11	6	0	Homozygous	NA
				68.8%	85.7%	0.0%	Heterozygous	0.621
<b>D</b>	rs200353921	CD28	GVHD III-IV	TT	AT	AA	Additive	0.621
			Yes	5	1	0	Dominant	0.621
				31.3%	14.3%	0.0%	Recessive	NA
			No	11	6	0	Homozygous	NA
				68.8%	85.7%	0.0%	Heterozygous	0.621
<b>D</b>	rs56228674	CD28	GVHD III-IV	CC	CT	TT	Additive	0.462
			Yes	5	1	0	Dominant	0.462
				23.8%	50.0%	0.0%	Recessive	NA
			No	16	1	0	Homozygous	NA
				76.2%	50.0%	0.0%	Heterozygous	0.462
<b>D</b>	rs129018028	CD28	GVHD III-IV	TT	CT	CC	Additive	NA
			Yes	6	0	0	Dominant	NA
				26.1%	0.0%	0.0%	Recessive	NA
			No	17	0	0	Homozygous	NA
				73.9%	0.0%	0.0%	Heterozygous	NA

<b>D</b>	rs3116496	CD28	GVHD III-IV	TT	CT	CC	Additive	0.462
			Yes	5	1	0	Dominant	0.462
				23.8%	50.0%	0.0%	Recessive	NA
			No	16	1	0	Homozygous	NA
				76.2%	50.0%	0.0%	Heterozygous	0.462
<b>D</b>	rs375758971	CD28	GVHD III-IV	TT	CT	CC	Additive	NA
			Yes	6	0	0	Dominant	NA
				26.1%	0.0%	0.0%	Recessive	NA
			No	17	0	0	Homozygous	NA
				73.9%	0.0%	0.0%	Heterozygous	NA
<b>D</b>	rs36084323	PD1	GVHD III-IV	CC	CT	TT	Additive	0.762
			Yes	2	2	2	Dominant	1.000
				28.6%	18.2%	33.3%	Recessive	0.618
			No	5	9	4	Homozygous	1.000
				71.4%	81.8%	66.7%	Heterozygous	1.000
<b>D</b>	rs5839828	PD1	GVHD III-IV	del	delG	GG	Additive	0.427
			Yes	3	2	1	Dominant	0.307
				42.9%	16.7%	20.0%	Recessive	1.000
			No	4	10	4	Homozygous	0.576
				57.1%	83.3%	80.0%	Heterozygous	0.305
<b>D</b>	rs11568821	PD1	GVHD III-IV	CC	CA	AA	Additive	NA
			Yes	6	0	0	Dominant	NA
				25.0%	0.0%	0.0%	Recessive	NA
			No	18	0	0	Homozygous	NA
				75.0%	0.0%	0.0%	Heterozygous	NA
<b>D</b>	rs41386349	PD1	GVHD III-IV	GG	AG	AA	Additive	0.184
			Yes	3	2	1	Dominant	0.362
				18.8%	28.6%	100.0%	Recessive	0.250
			No	13	5	0	Homozygous	0.235
				81.3%	71.4%	0.0%	Heterozygous	0.621
<b>D</b>	rs6705653	PD1	GVHD III-IV	CC	CT	TT	Additive	0.195
			Yes	3	2	1	Dominant	1.000
				25.0%	18.2%	100.0%	Recessive	0.250
			No	9	9	0	Homozygous	1.000
				75.0%	81.8%	0.0%	Heterozygous	1000
<b>D</b>	rs2227982	PD1	GVHD III-IV	GG	AG	AA	Additive	0.296
			Yes	2	1	3	Dominant	1.000
				28.6%	10.0%	42.9%	Recessive	0.307
			No	5	9	4	Homozygous	1.000
				71.4%	90.0%	57.1%	Heterozygous	0.537

<sup>a</sup>P: patient; D: donor; M: patient and donor mismatch status.