Supplemental Information for

Graft Versus Host Disease in Mice Bearing Humanized Immune Systems

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Supplemental Table 1: P values and relative risk for the influence of HLA class I alleles on GVH incidence

Relative risk and significance for various HLA class I alleles was calculated in Figure 2. Displayed are the relative risk values, 95% confidence intervals, and P values for each HLA allele.

HLA	Relative	95% CI lower	95% CI upper		P Value Corrected for Multiple
Allele	Risk	bound	bound	P Value	Comparisons
A1101	2.062	1.704	2.495	<0.0001	<.0012
A2402	2.005	1.622	2.478	< 0.0001	<.0012
A3303	1.777	1.34	2.357	0.0004	0.0048
A201	1.376	1.184	1.598	< 0.0001	<.0012
A206	1.297	0.8856	1.899	ns	ns
A207	1.26	0.8592	1.849	ns	ns
A301	1.257	1.043	1.517	ns	ns
A2601	1.2	0.8804	1.636	ns	ns
A6801	0.9829	0.6606	1.463	ns	ns
A101	0.9078	0.7323	1.125	ns	ns
A6802	0.5946	0.3624	0.9755	0.0287	0.3444
A3201	0.06465	0.009216	0.4535	<0.0001	<.0012

	B. L. P.	95% CI	95% CI		P Value Corrected for
HLA	Relative	lower	upper		Multiple
Allele	Risk	bound	bound	P Value	Comparisons
B1302	3.461	2.939	4.076	<0.0001	<.0012
B3502	2.74	2.187	3.432	< 0.0001	<.0012
B4601	1.26	0.8592	1.849	ns	ns
B4001	1.204	0.9326	1.554	ns	ns
B3801	1.2	0.8804	1.636	ns	ns
B3501	0.9085	0.7137	1.157	ns	ns
B5101	0.8678	0.6798	1.108	ns	ns
B4403	0.8313	0.6142	1.125	ns	ns
B702	0.6919	0.5068	0.9446	ns	ns
B1510	0.5946	0.3624	0.9755	0.0387	0.4644
B801	0.4887	0.3371	0.7084	<0.0001	<.0012
B1401	0.06465	0.009216	0.4535	< 0.0001	<.0012

					P Value
		95% CI	95% CI		Corrected for
HLA	Relative	lower	upper		Multiple
Allele	Risk	bound	bound	P Value	Comparisons

C602	1.995	1.686	2.359	<0.0001	<.0009
C401	1.49	1.271	1.745	< 0.0001	<.0009
C304	1.242	1.038	1.486	0.0238	0.2142
C102	1.221	0.8964	1.663	ns	ns
C1203	1.182	0.8957	1.559	ns	ns
C802	0.9427	0.626	1.419	ns	ns
C202	0.8372	0.5896	1.189	ns	ns
C702	0.7906	0.5953	1.05	ns	ns
C701	0.7383	0.5843	0.933	0.0108	0.0972

Supplemental Figure Legends

Supplemental Figure 1. Further histologic characterization of GVH occurring in humanized BLT mice.

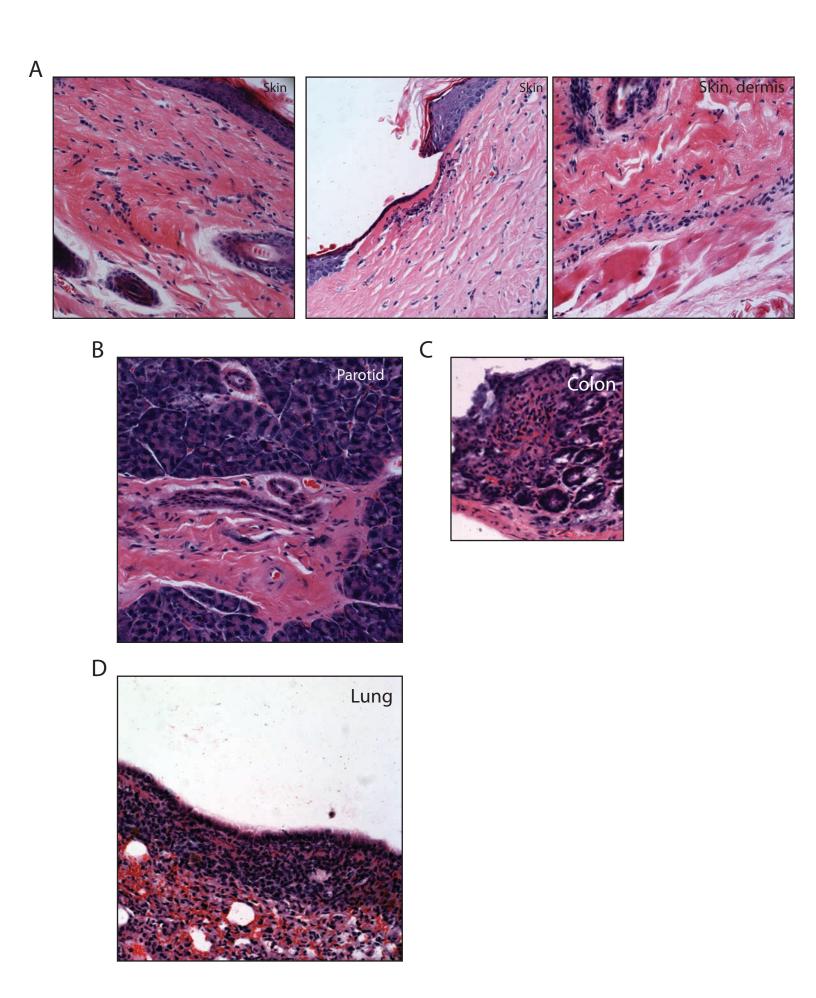
(A-D)Tissues from humanized BLT mice with clinical GVH as in Figure 1 were harvested for histologic analysis.

Supplemental Figure 2. Cellular and molecular characterization of GVH in BLT mice.

Splenocytes were isolated and stimulated as in Figure 3E, and the resulting supernatant was analyzed for levels of IL10.

Supplemental Figure 3: Replicate Data for Dermal Macrophage Expression Profile

Macrophages were isolated as in Figure 4, RNA extracted, and expression of the indicated genes measured by realtime PCR. Shown are independent experimental replicates of the data provided in Figure 4B.



Supplementary Figure 1

