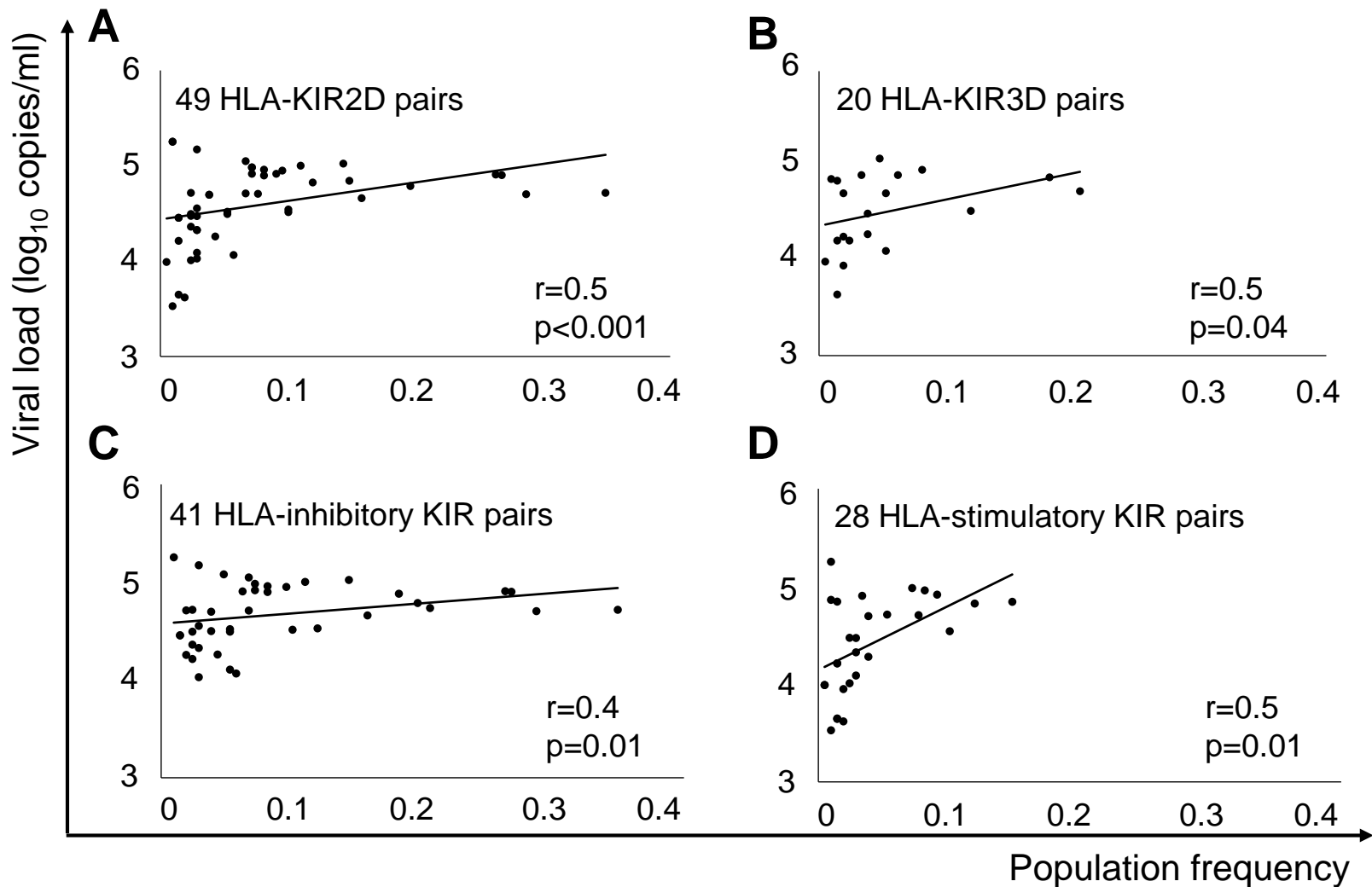


Supplemental Figure 1. HLA-KIR pair distribution among 209 subjects. In total, 69 HLA allele-KIR pairs were identified. Population frequency is shown.



Supplemental Figure 2. Correlation between HLA allele-KIR pair frequency and viral load. Correlations between frequency of HLA allele-KIR pairs and median viral loads among subjects with a particular HLA allele-KIR pair: in 49 HLA-KIR2D pairs (A), 20 HLA-KIR3D pairs (B), 41 HLA-inhibitory KIR pairs (C), and HLA-stimulatory KIR pairs (D). Spearman's correlation test is shown.

Supplemental Table 1. Effect of HLA-KIR pair on viral load. Viral load differences between KIR+ve versus KIR-ve subjects expressing the same HLA ligand, without significant difference ($p \geq 0.05$), are shown. P values were obtained from Mann-Whitney U-test. IQR, interquartile range; KIR, killer immunoglobulin-like receptor; HLA, human leukocyte antigen; num., number.

	Viral load (Median (IQR) log ₁₀ copies/ml) (num.)				Viral load (Median (IQR) log ₁₀ copies/ml) (num.)		
	KIR+	KIR-	p value		KIR+	KIR-	p value
KIR2DL2				KIR2DL1			
HLA-C*03:02+	5.0 (4.2-5.2) (17)	4.7 (4.2-5.2) (26)	0.8	HLA-C*04:01+	4.1 (3.9-4.4) (12)	(0)	-
HLA-C*03:03+	4.5 (4.5-4.9) (5)	4.1 (3.4-5.0) (7)	0.5	HLA-C*04:03+	4.7 (3.8-5.0) (14)	(0)	-
HLA-C*03:04+	5.0 (4.7-5.2) (20)	4.8 (4.4-5.3) (36)	0.9	HLA-C*04:06+	4.0 (3.7-4.5) (6)	(0)	-
HLA-C*03:17+	4.5 (3.5-4.7) (3)	(0)	-	HLA-C*06:02+	4.6 (4.1-4.7) (6)	(0)	-
HLA-C*07:01+	4.7 (4.2-4.8) (5)	4.5 (4.4-4.5) (6)	0.9	HLA-C*15:02+	4.3 (4.1-4.4) (9)	(0)	-
HLA-C*07:02+	4.9 (4.2-5.3) (17)	4.9 (4.3-5.2) (40)	0.7	KIR2DS1			
HLA-C*07:04+	5.3 (5.2-5.3) (2)	5.1 (5.1-5.2) (4)	0.4	HLA-C*04:01+	4.1 (3.9-4.3) (6)	4.0 (3.9-4.7) (6)	0.9
HLA-C*08:01+	5.0 (4.2-5.1) (15)	4.5 (4.2-5.1) (18)	0.6	HLA-C*04:03+	3.6 (3.4-4.1) (4)	4.9 (4.1-5.2) (10)	0.07
HLA-C*12:02+	4.7 (4.2-5.5) (8)	5.0 (4.6-5.3) (8)	0.4	HLA-C*04:06+	3.7 (3.6-4.3) (3)	4.1 (4.0-4.4) (3)	0.5
HLA-C*14:02+	4.4 (3.8-4.5) (5)	4.6 (4.2-5.2) (16)	0.4	HLA-C*06:02+	4.0 (4.0-4.0) (1)	4.6 (4.5-4.8) (5)	0.4
KIR2DL3				HLA-C*15:02+	4.2 (3.8-4.6) (3)	4.3 (4.1-4.4) (6)	0.8
HLA-C*01:02+	4.7 (4.2-5.2) (73)	4.4 (4.4-4.4) (1)	0.5	KIR3DL1			
HLA-C*03:02+	4.8 (4.2-5.2) (41)	4.2 (4.2-4.2) (2)	0.3	HLA-B*13:01+	4.9 (4.4-5.2) (38)	5.1 (5.1-5.1) (1)	0.5
HLA-C*03:03+	4.5 (4.0-5.1) (11)	3.4 (3.4-3.4) (1)	0.3	HLA-B*27:04+	5.1 (4.6-5.5) (10)	(0)	-
HLA-C*03:04+	4.9 (4.4-5.2) (55)	4.4 (4.4-4.4) (1)	0.3	HLA-B*27:06+	4.7 (4.4-4.9) (4)	4.4 (4.0-4.8) (2)	1
HLA-C*03:17+	4.5 (3.5-4.7) (3)	(0)	-	HLA-B*38:02+	4.9 (4.6-5.1) (13)	(0)	-
HLA-C*07:01+	4.5 (4.3-4.8) (11)	(0)	-	HLA-B*44:03+	4.5 (4.2-5.0) (8)	(0)	-
HLA-C*07:02+	4.9 (4.3-5.3) (56)	4.2 (4.2-4.2) (1)	0.4	HLA-B*51:01+	4.5 (4.2-5.2) (25)	(0)	-
HLA-C*07:04+	5.2 (5.1-5.3) (6)	(0)	-	HLA-B*51:02+	4.2 (3.4-4.4) (5)	(0)	-
HLA-C*08:01+	4.7 (4.2-5.2) (33)	(0)	-	HLA-B*52:01+	4.1 (3.3-5.1) (11)	(0)	-
HLA-C*12:03+	4.9 (4.4-5.6) (15)	(0)	-	HLA-B*57:01+	4.3 (3.6-4.5) (4)	(0)	-
HLA-C*14:02+	4.5 (4.2-5.0) (21)	(0)	-	HLA-B*58:01+	4.7 (4.2-5.2) (43)	(0)	-
HLA-B*46:01+	4.7 (4.2-5.1) (60)	4.4 (4.4-4.4) (1)	0.5	KIR3DS1			
KIR2DS2				HLA-B*13:01+	5.0 (4.1-5.1) (17)	4.9 (4.5-5.5) (22)	0.4
HLA-C*01:02+	4.8 (4.5-5.3) (31)	4.6 (3.9-5.0) (43)	0.05	HLA-B*27:04+	4.9 (4.5-5.2) (2)	5.1 (4.9-5.5) (8)	0.6
HLA-C*03:02+	4.7 (4.2-5.1) (16)	4.7 (4.2-5.2) (27)	1	HLA-B*27:06+	3.6 (3.6-4.4) (3)	4.8 (4.7-5.0) (3)	0.3
HLA-C*03:03+	4.5 (3.9-4.9) (5)	4.5 (3.5-5.0) (7)	0.8	HLA-B*38:02+	4.9 (4.5-5.1) (7)	5.0 (4.7-5.5) (6)	0.5
HLA-C*03:04+	4.9 (4.5-5.2) (19)	4.9 (4.4-5.2) (37)	0.9	HLA-B*44:03+	4.8 (4.6-5.3) (3)	4.4 (3.4-4.5) (5)	0.2
HLA-C*03:17+	3.5 (3.1-4.0) (2)	4.8 (4.8-4.8) (1)	0.2	HLA-B*51:01+	4.3 (4.1-4.5) (8)	4.8 (4.2-5.6) (17)	0.2
HLA-C*07:01+	4.5 (4.3-4.7) (6)	4.5 (4.5-5.5) (5)	0.5	HLA-B*51:02+	4.2 (3.8-4.6) (3)	3.6 (3.2-4.0) (2)	0.6
HLA-C*07:02+	4.5 (4.0-5.3) (21)	5.0 (4.3-5.4) (36)	0.3	HLA-B*52:01+	4.0 (3.4-4.7) (4)	4.1 (3.6-5.2) (7)	0.7
HLA-C*07:04+	5.3 (5.2-5.3) (2)	5.1 (5.1-5.2) (4)	0.4	HLA-B*57:01+	4.0 (4.0-4.0) (1)	4.5 (3.6-4.6) (3)	0.7
HLA-C*08:01+	5.0 (4.3-5.2) (15)	4.4 (4.2-5.1) (18)	0.4	HLA-B*58:01+	4.7 (4.2-5.1) (11)	4.8 (4.2-5.2) (32)	0.8
HLA-C*12:02+	4.7 (4.2-5.3) (8)	5.1 (4.6-5.5) (8)	0.3				
HLA-C*14:02+	4.0 (3.8-4.4) (5)	4.6 (4.2-5.2) (16)	0.1				
HLA-B*46:01+	4.8 (4.4-5.4) (25)	4.6 (4.1-5.0) (36)	0.1				