

**Supplementary Table 5: Synergistic effects of *KIR3DL1* and *HLA-B* on HIV Disease Progression and mean viral load**

Outcome	Genotype	N	Survival Analysis			Genotype	mVL<2000		mVL>10,000		p-value
			RH	95% CI	p-value		N	N	OR	95% CI	
<b>CD4&lt;200</b>	<i>Bw6/Bw6</i>	343	1.00			<i>Bw6/Bw6</i> (N = 248)					
	<i>Bw4 (no 3DL1*004)</i>	488	0.75	0.62 - 0.92	0.01						
	<i>3DL1 004 + Bw4</i>	144	0.59	0.44 - 0.80	0.001	<i>3DL1*I/*x+B*57</i>	10 (37.0)	17 (63.0)	0.38	0.15-0.95	0.04
	<i>3DL1*I/*x+Bw4-80I</i>	87	0.89	0.64-1.25	0.51	<i>3DL1*h/*y+B*57</i>	39 (69.6)	17 (30.7)	0.10	0.05-0.19	7x10 <sup>-11</sup>
	<i>3DL1*h/*y+Bw4-80I</i>	186	0.61	0.45 - 0.81	0.001						
	<i>3DL1*I/*x+B*57</i>	27	0.50	0.25-1.02	0.06	<i>3DL1*h/*y+B*27</i>	8 (33.3)	16 (66.7)	0.37	0.14-1.00	0.05
	<i>3DL1*h/*y+B*57</i>	43	0.30	0.15 - 0.59	0.0005	<i>3DL1*I/*x+B*27</i>	10 (47.6)	11 (52.4)	0.22	0.08- 0.59	0.003
	<i>3DL1*h/*y+B*27</i>	30	0.82	0.48-1.39	0.46						
	<i>3DL1*I/*x+B*27</i>	20	0.47	0.23 - 0.96	0.04	<i>3DL1*I/*x+Bw4-80I</i>	25 (32.1)	53 (67.9)	0.43	0.23-0.79	0.007
	<i>3DS1+Bw4-80I</i>	112	0.54	0.38 - 0.76	0.0004	<i>3DL1*h/*y+Bw4-80I</i>	63 (47.7)	69 (52.3)	0.24	0.14-0.40	6x10 <sup>-8</sup>
<b>AIDS1987</b>	<i>Bw6/Bw6</i>	359	1.00								
	<i>Bw4 (no 3DL1*004)</i>	511	0.70	0.56 - 0.88	0.002						
	<i>3DL1 004 + Bw4</i>	147	0.50	0.35 - 0.72	0.0001						
	<i>3DL1*I/*x+Bw4-80I</i>	94	0.79	0.53-1.19	0.26						
	<i>3DL1*h/*y+Bw4-80I</i>	194	0.56	0.40 - 0.80	0.001						
	<i>3DL1*I/*x+B*57</i>	29	0.60	0.28-1.29	0.19						
	<i>3DL1*h/*y+B*57</i>	44	0.26	0.11 - 0.64	0.003						
	<i>3DL1*h/*y+B*27</i>	30	0.70	0.39-1.27	0.25						
	<i>3DL1*I/*x+B*27</i>	21	0.44	0.20 - 1.01	0.05						
	<i>3DS1+Bw4-80I</i>	114	0.52	0.36 - 0.75	0.0005						

p-values are based on comparisons between the genotypic variable listed and the *Bw6/Bw6* control group. N = number of individuals; RH = relative hazard; 95%CI = 95% confidence interval.