Supplemental Table 2.  Association of HLA alleles with Pre-ART VL (N = 526)

| HLA Allele | N (%) | Beta | 95% CI | P value (q value*) |
|---|---|---|---|---|
| A*02 | 253 (48) | -0.11 | (-0.25, 0.03) | 0.12 (0.63) |
| A*02:01 | 55 (10) | -0.12 | (-0.35, 0.12) | 0.32 (0.78) |
| A*02:03 | 96 (18) | -0.11 | (-0.29, 0.08) | 0.26 (0.74) |
| A*02:07 | 97 (18) | -0.01 | (-0.19, 0.17) | 0.93 (0.98) |
| A*11 | 263 (50) | 0.17 | (0.02, 0.31) | 0.02 (0.27) |
| A*11:01 | 245 (47) | 0.16 | (0.02, 0.3) | 0.03 (0.27) |
| A*24 | 163 (31) | -0.05 | (-0.2, 0.11) | 0.57 (0.98) |
| A*24:02 | 101 (19) | -0.002 | (-0.18, 0.18) | 0.98 (0.98) |
| A*33:03 | 146 (28) | -0.1 | (-0.26, 0.06) | 0.21 (0.74) |
| B*13 | 83 (16) | -0.02 | (-0.22, 0.17) | 0.82 (0.98) |
| B*13:01 | 70 (13) | -0.005 | (-0.22, 0.21) | 0.96 (0.98) |
| B*15 | 146 (28) | -0.18 | (-0.34, -0.02) | 0.03 (0.27) |
| B*15:02 | 83 (16) | -0.07 | (-0.27, 0.12) | 0.47 (0.98) |
| B*18 | 57 (11) | 0.02 | (-0.21, 0.25) | 0.88 (0.98) |
| B*40 | 104 (20) | -0.01 | (-0.19, 0.17) | 0.9 (0.98) |
| B*40:01 | 73 (14) | -0.004 | (-0.21, 0.2) | 0.97 (0.98) |
| B*46:01 | 139 (26) | -0.02 | (-0.19, 0.14) | 0.77 (0.98) |
| B*51 | 54 (10) | 0.18 | (-0.05, 0.42) | 0.13 (0.63) |
| B*58:01 | 87 (17) | -0.05 | (-0.24, 0.14) | 0.6 (0.98) |
| C*01 | 168 (32) | -0.02 | (-0.17, 0.13) | 0.81 (0.98) |
| C*01:02 | 168 (32) | -0.02 | (-0.17, 0.13) | 0.81 (0.98) |
| C*03 | 191 (36) | -0.03 | (-0.18, 0.12) | 0.7 (0.98) |
| C*03:02 | 88 (17) | -0.06 | (-0.25, 0.13) | 0.51 (0.98) |
| C*03:04 | 88 (17) | 0.03 | (-0.16, 0.22) | 0.73 (0.98) |
| C*04 | 95 (18) | -0.16 | (-0.34, 0.02) | 0.09 (0.63) |
| C*07 | 251 (48) | 0.09 | (-0.06, 0.23) | 0.24 (0.74) |
| C*07:02 | 159 (30) | 0.04 | (-0.11, 0.2) | 0.6 (0.98) |
| C*08 | 101 (19) | -0.1 | (-0.28, 0.08) | 0.28 (0.74) |
| C*08:01 | 100 (19) | -0.12 | (-0.3, 0.06) | 0.19 (0.74) |

*q value was adjusted for multiple comparisons (29 common HLA class I alleles). Age, sex, Fiebig stage and pre-ART CD4 counts were adjusted in each regression model.