**Table S3.** **Association, conditional on linkage, results for SNP-transcript pairs in the HLA region.** Focus is on the 41 SNPs previously found to be significantly associated with EBNA-1 traits (presented in tables 2 and 3). Shown are results for the top 74 pairs

(*p* ≤ 1.0x10-2). Only four SNP-transcript pairs were significant after adjusting for multiple testing.

|  |  |  |  |
| --- | --- | --- | --- |
| Transcript | Gene | SNP | *p*-value (ßSNP) |
| **GI\_14165467-S** | ***RPS18*** | **rs204999** | **4.84x10-5** (0.20) |
| **GI\_27436886-S** | ***PBX2*** | **rs9273327** | **1.15x10-4** (0.28) |
| **GI\_27436886-S** | ***PBX2*** | **rs2854275** | **1.67x10-4** (0.29) |
| **GI\_14165467-S** | ***RPS18*** | **rs10947261** | **2.96x10-4** (-0.18) |
| GI\_14165467-S | *RPS18* | rs10947262 | 3.72x10-4 (-0.18) |
| GI\_14165467-S | *RPS18* | rs28362683 | 4.13 x10-4 (-0.18) |
| GI\_20336252-I | *EGFL8* | rs652888 | 9.85x10-4 (0.21) |
| GI\_14165467-S | *RPS18* | rs2227139 | 1.02x10-3 (-0.14) |
| GI\_14165467-S | *RPS18* | rs7195 | 1.02x10-3 (-0.14) |
| GI\_14165467-S | *RPS18* | rs7194 | 1.02x10-3 (-0.14) |
| GI\_14165467-S | *RPS18* | rs2213585 | 1.02x10-3 (-0.14) |
| GI\_14165467-S | *RPS18* | rs2213586 | 1.02x10-3 (-0.14) |
| GI\_14165467-S | *RPS18* | rs2239803 | 1.07x10-3 (-0.13) |
| GI\_14165467-S | *RPS18* | rs7192 | 1.09x10-3 (-0.14) |
| Hs.427351-S | *REGION-9945* | rs204999 | 1.35x10-3 (0.16) |
| GI\_27498491-S | *TUBB* | rs10885 | 1.54x10-3 (0.23) |
| GI\_27498491-S | *TUBB* | rs3130626 | 1.56x10-3 (0.23) |
| GI\_27498491-S | *TUBB* | rs2736157 | 1.56x10-3 (0.23) |
| GI\_27498491-S | *TUBB* | rs3115663 | 1.56x10-3 (0.23) |
| GI\_27498491-S | *TUBB* | rs9267522 | 1.56x10-3 (0.23) |
| GI\_27498491-S | *TUBB* | rs3130070 | 1.56x10-3 (0.23) |
| GI\_24475831-S | *NCR3* | rs204999 | 1.60x10-3 (-0.13) |
| GI\_27894369-S | *NOTCH4* | rs2233956 | 2.16x10-3 (-0.26) |
| GI\_14574565-A | *AIF1* | rs10885 | 2.61x10-3 (-0.22) |
| GI\_25777697-A | *TRIM39* | rs3130557 | 2.63x10-3 (-0.36) |
| GI\_27498491-S | *TUBB* | rs3130623 | 2.67x10-3(0.21) |
| GI\_24797075-S | *HLA-DPB1* | rs652888 | 3.00x10-3 (0.18) |
| GI\_18641376-S | *HLA-DMB* | rs3130557 | 3.05x10-3 (-0.35) |
| GI\_14574565-A | *AIF1* | rs2736157 | 3.46x10-3 (-0.21) |
| GI\_14574565-A | *AIF1* | rs3130070 | 3.46x10-3 (-0.21) |
| GI\_14574565-A | *AIF1* | rs9267522 | 3.46x10-3 (-0.21) |
| GI\_14574565-A | *AIF1* | rs3115663 | 3.46x10-3 (-0.21) |
| GI\_14574565-A | *AIF1* | rs3130626 | 3.46x10-3 (-0.21) |
| GI\_6005891-S | *TCF19* | rs10885 | 3.46x10-3 (0.21) |
| GI\_6005891-S | *TCF19* | rs2736157 | 4.11x10-3 (0.21) |
| GI\_6005891-S | *TCF19* | rs3115663 | 4.11x10-3 (0.21) |
| GI\_6005891-S | *TCF19* | rs3130070 | 4.11x10-3 (0.21) |
| GI\_6005891-S | *TCF19* | rs9267522 | 4.11x10-3 (0.21) |
| GI\_6005891-S | *TCF19* | rs3130626 | 4.11x10-3 (0.21) |
| GI\_14165467-S | *RPS18* | rs9268832 | 4.40x10-3 (-0.12) |
| GI\_18426974-S | *HLA-DQA1* | rs3130557 | 4.54x10-3 (0.28) |
| GI\_14165467-S | *RPS18* | rs7754768 | 4.66x10-3 (-0.12) |
| GI\_6005891-S | *TCF19* | rs3130628 | 4.74x10-3 (0.20) |
| GI\_24797072-S | *HLA-G* | rs2507997 | 5.23x10-3 (-0.15) |
| GI\_24797072-S | *HLA-G* | rs2854008 | 5.23x10-3 (-0.15) |
| GI\_11863157-S | *RING1* | rs204999 | 5.65x10-3 (-0.14) |
| GI\_22091451-S | *APOM* | rs3130623 | 5.68x10-3 (0.19) |
| GI\_11095446-S | *HLA-DQA2* | rs2233956 | 5.74x10-3 (-0.23) |
| GI\_20631983-S | *RDBP* | rs2854275 | 6.09x10-3 (-0.21) |
| GI\_26787973-S | *HSPA1A* | rs2294882 | 6.09x10-3 (0.12) |
| GI\_26787973-S | *HSPA1A* | rs2294881 | 6.09x10-3 (0.12) |
| GI\_20631983-S | *RDBP* | rs9273327 | 6.19x10-3 (0.19) |
| GI\_20357538-A | *ATP6V1G2* | rs3130623 | 6.24x10-3 (0.19) |
| GI\_34013512-S | *LSM2* | rs3130557 | 6.24x10-3 (-0.33) |
| GI\_34335278-I | *PSMB8* | rs2233971 | 7.18x10-3 (-0.15) |
| GI\_22091451-S | *APOM* | rs3130628 | 7.20x10-3 (0.19) |
| GI\_22091451-S | *APOM* | rs9267522 | 7.33x10-3 (0.20) |
| GI\_22091451-S | *APOM* | rs3130626 | 7.33x10-3 (0.20) |
| GI\_22091451-S | *APOM* | rs3130070 | 7.33x10-3 (0.20) |
| GI\_22091451-S | *APOM* | rs3115663 | 7.33x10-3 (0.20) |
| GI\_22091451-S | *APOM* | rs2736157 | 7.33x10-3 (0.20) |
| GI\_26787973-S | *HSPA1A* | rs28362683 | 7.93x10-3 (0.14) |
| GI\_27498491-S | *TUBB* | rs3130628 | 8.12x10-3 (0.19) |
| GI\_15451872-S | *B3GALT4* | rs2516049 | 8.26x10-3 (0.11) |
| GI\_15451872-S | *B3GALT4* | rs477515 | 8.26x10-3 (0.11) |
| GI\_34335278-A | *PSMB8* | rs2233956 | 8.37x10-3 (-0.22) |
| GI\_13376368-S | *C6orf134* | rs4248166 | 8.39x10-3 (-0.12) |
| GI\_22091451-S | *APOM* | rs10885 | 8.83x10-3 (0.19) |
| GI\_9961245-I | *TAP2* | rs3117583 | 8.87x10-3 (-0.18) |
| GI\_14574565-A | *AIF1* | rs3130628 | 8.97x10-3 (-0.19) |
| GI\_20631976-S | *CREBL1* | rs2854008 | 8.98x10-3 (-0.14) |
| GI\_20631976-S | *CREBL1* | rs2507997 | 8.98x10-3 (-0.14) |
| GI\_4759179-A | *STK19* | rs9267947 | 9.32x10-3 (0.11) |
| GI\_10863984-S | *C6orf47* | rs3117583 | 9.36x10-3 (0.19) |

Bold=significant at *p* ≤ 3.33x10-4 (0.05/150 transcripts)