

|                       |                                                                                                   |     |
|-----------------------|---------------------------------------------------------------------------------------------------|-----|
| (A/Indonesia/5/2005)  | MEKIVLLLAIVSLVKSDQICIGYHANNSTEQVDTIMEKNVTVTHAQDILEKTHNGKLCDL                                      | 60  |
| (A/Vietnam/1194/2004) | -----F-----                                                                                       | 60  |
| (A/Indonesia/5/2005)  | DGVKPLILRDCSVAGWLLGNPMCDEFINVPESYIVEKANPTNDLCYPGSFNDYEELKHL                                       | 120 |
| (A/Vietnam/1194/2004) | -----V-----D-----                                                                                 | 120 |
| (A/Indonesia/5/2005)  | LSRINHFEKIQIIPKSSWSDHEASSGVSSACPYLGSPSFFRNVVWLIIKNSTYPTIKKSY                                      | 180 |
| (A/Vietnam/1194/2004) | -----S---L-----Q-KS-----R--                                                                       | 180 |
| (A/Indonesia/5/2005)  | NNTNQEDLLVLWGIHHPNDAAEQTRL <del>YNPTTYISIGTSTLNQRLVPKIATR</del> SKVNGQSG                          | 240 |
| (A/Vietnam/1194/2004) | -----K-----V-----R-----                                                                           | 240 |
| (A/Indonesia/5/2005)  | <del>RMEFFWTILKPNDAINFESNGNFI</del> APEYAYKIVKKGDSAIMKSELEYGNCNTKCQTPMGA                          | 300 |
| (A/Vietnam/1194/2004) | -----T-----                                                                                       | 300 |
| (A/Indonesia/5/2005)  | <del>INSSMPFHNHPLTIGEC</del> PKYVKS <del>NRLVLATGLRNSPQRESRRKRG</del> LFGAIA <del>GFIEGGW</del>   | 360 |
| (A/Vietnam/1194/2004) | -----R-----                                                                                       | 360 |
| (A/Indonesia/5/2005)  | <del>QGMVDGWYGYHHSNEQ</del> SGSYAADKESTQKAIDGV <del>TNKNVNSIIDKMNTQFEAVGRE</del> FNNLE            | 420 |
| (A/Vietnam/1194/2004) | -----                                                                                             | 420 |
| (A/Indonesia/5/2005)  | <del>RRIENLNKKMEDGFLDV</del> WTYN <del>AE</del> LLVLMENERTLDFHDSNVKNLYDKVRLQLRDNA <del>KELG</del> | 480 |
| (A/Vietnam/1194/2004) | -----                                                                                             | 480 |
| (A/Indonesia/5/2005)  | <del>NGCFEFYHKCDNECMESIRNGTYNYPQYSEE</del> ARLKREEISGVKLESIGTYQILSIYSTVA                          | 540 |
| (A/Vietnam/1194/2004) | -----V---D-----I-----                                                                             | 540 |
| (A/Indonesia/5/2005)  | <del>SSLALAIMMAGLSLW</del> MCSNGSLQCRICI                                                          | 568 |
| (A/Vietnam/1194/2004) | -----V-----                                                                                       | 568 |

**Supplemental Table 1:**

The table shows the amino acid sequence of the H5-hemagglutinin of Influenza A strain A/Indonesia/5/2005, corresponding to the antigen used in the current study, aligned to the H5-sequence of the closely related strain A/Vietnam/1194/2004 is aligned. A peptide pool consisting of 87 15mer peptides with an overlap of 11 amino acids spanning the conserved C-terminal part (dark red) was used to test for H5-specific T cell proliferation. Schematically, the peptides are depicted as blue lines.