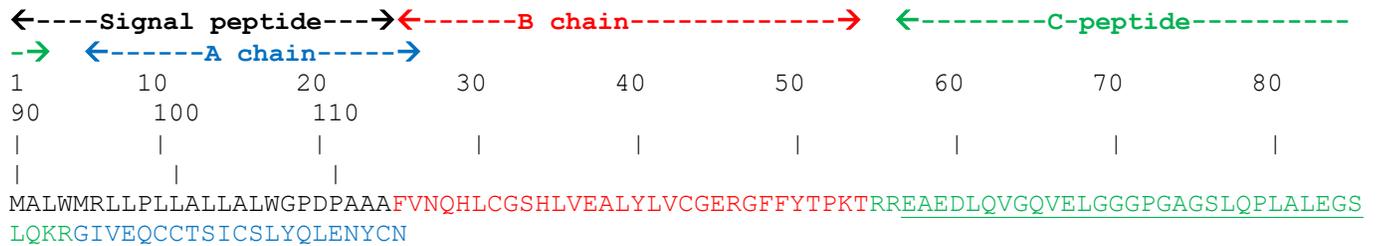


SUPPLEMENTARY FIGURE 1



LALWGPDPA (10) * **HLCGSHLVEAL** (1.9) ** DLQVGQVELGG (64) **
LVEALYLVCGE (5.8) **

MALWMRLLPLLALLALWGPDP (~0.8) ***

PLLALLALWGPDPAAA**FVNQ** (~1.8) ***

LWGPDPAAA**FVNQHLCGSHLV** (~12.4) ***

FVNQHLCGSHLVEALYLVC (~0.2) ***

SHLVEALYLVCGERGFFYTP (~0.4) ***

LVCGERGFFYTPKTRREA (~4.9) ***

ALEGSLQKRGIVEQCCTSICS (~1.5) ***

GIVEQCCTSICSLYQLENY (~0.34) ***

IVEQCCTSICSLYQLENYCN (~0.37) ***

Supplementary Figure 1. Analysis of DQ602-bound preproinsulin epitopes as reported in three different studies

*This peptide and three others with the next one, two or seven residues on its carboxy-terminus side were eluted from preproinsulin loaded onto HLA-DQ602-expressing homozygous dendritic cells (53). In parenthesis is the IC50 value for binding to HLA-DQ602 in μM (53).

**In parentheses, IC50 values in μM as reported for the respective 11-mers by (30). Anchors in bold; nd = not determined

***Binding values in μM , as determined for the 20-mer sequences shown (55), and reported graphically by the authors; estimated approximately (~) by us, rounded to first decimal point, if the error was less than 5 %. No experiments to determine the exact binding register of these peptides were reported. Peptides with IC50 values over 20 μM (in the middle of the C-peptide sequence) are not shown here.