The major histocompatibility complex class I immunopeptidome of extracellular vesicles.

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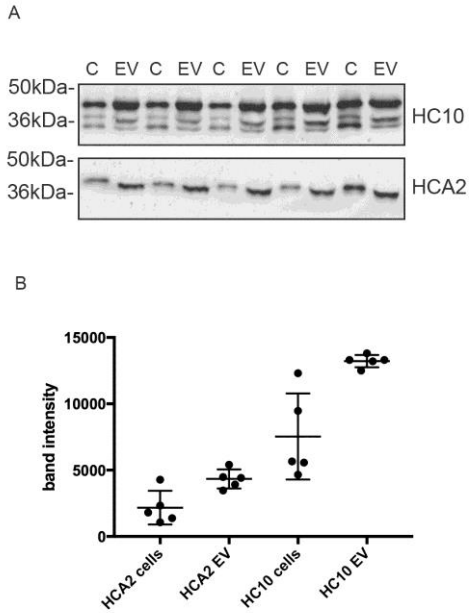
Supplementary Figure 1. Enrichment of HLA-A, –B and –C molecules in Jesthom EV. Five cultures of ten million Jesthom cells were cultured for 48 hours, and then cell lysates and EV purified by filtration and ultracentrifugation as per the large scale cultures used for peptide isolation. BCA protein estimation was performed on the resulting cell and EV lysates. 1 μg of protein was loaded and analysed by SDS-PAGE and immunoblotting with antibodies HCA2 (anti-HLA-A) and HC10 (anti-HLA-B and –C). Blots were analysed by Licor Odyssey, with the gel image shown in A (C = cells, EV= vesicles) and quantification of the data show in B. Data is plotted as mean with SD. The HCA2 cell and EV data is significant at P=0.01, the HC10 data is significant at P=0.005, using a two-tailed t-test.



Supplementary Table 1. (excel spreadsheet). Mass spectrometry data for the identified HLA-A*02:01 and HLA-B*27:05 peptides. The peptide sequence, protein accession number, detected peptide experimental masses, charge, and mass of originating protein are given.