

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Non-tryptic ProteomeTools resource

File Name: Supplementary Data 2

Description: SystemMHC spectrum comparison to ProteomeTools

File Name: Supplementary Data 3

Description: Results of the re-analysis of a large monoallelic HLA Class I cell line study

File Name: Supplementary Data 4

Description: Peptide binding motifs of monoallelic dataset

File Name: Supplementary Data 5

Description: Results of the re-analysis of proposed proteasomal splicing events

File Name: Supplementary Data 6

Description: All proposed spliced peptide spectrum matches and alternative hypothesis by MaxQuant and/or MSFragger

File Name: Supplementary Data 7

Description: Results of the re-analysis of the melanoma patient HLA dataset