Manuscript no. HAEMATOL/2011/046037 entitled "Position 156 influences the peptide repertoire and tapasin dependency of human leucocyte antigen B*44 allotypes"

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Information about the contributions of each person named as having participated in the study

- 1) Guarantor(s), i.e., person(s) who is (are) responsible for the integrity of the work as a whole:
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- 2) Authors who participated in the conception of the study: Rainer Blasczyk, Christina Bade-Doeding
- 3) Design & Methods. The following authors were responsible for specific investigations (please detail):
- Soumya Badrinath and Susanne Aufderbeck discovered the TPN independency of HLA-B*44:28
- Christina Bade-Döding and Trevor Huyton discovered the influence of Arg at position 156 on peptide recruitment, peptide loading and peptide presentation
- 4) **Results**. The following authors were responsible for specific portions of the results, including figures and tables (please indicate the person responsible for each figure and each table):
- Susanne Aufderbeck performed the cloning experiments, lentiviral transductions, was responsible for the maintenance of cells, prepared the cells for flow cytometric analysis, purified sHLA molecules and prepared the sHLA molecules for mass spectrometric analysis.
- Soumya Badrinath performed the flow cytometric analysis, silencing of TPN and Immunoprecipitation experiments.
- Trevor Huyton performed the molecular modeling.
- Philippa Saunders and Oliver Hiller aided in performing the Immunoprecipitation experiments.
- Christina Bade-Döding supervised the data collection and interpreted the results.
- Rainer Blasczyk had overall responsibility for the study.
- Fig 1, 2, Table 1, 2 and Supplementary Table 1 are presented by Christina Bade-Döding
- Fig. 3, Table 3 are presented by Trevor Huyton
- Fig. 4 is presented by Soumya Badrinath
- Supplentary Fig. 1 is presented by Philippa Saunders

- 5) Writing the manuscript. The following authors were responsible for writing the manuscript:
- Soumya Badrinath and Christina Bade-Döding were responsible for writing the MS (Introduction, Material and methods, results, discussion)
- Philippa Saunders critically reviewed the MS
- Trevor Huyton was responsible for the molecular modeling (Material and methods, results, discussion)
- Rainer Blasczyk critically reviewed the MS and contributed with helpful discussions
- 6) Contributors Listed in Acknowledgments: -