## Description of Additional Supplementary Files

## File name: Supplementary Data 1

**Description:** Round 1 to 5 sequencing data for selection against PADI4, converted into peptide sequences.

File name: Supplementary Data 2

**Description:** Round 2 to 6 sequencing data for selection against PADI4, converted into peptide sequences.

## File name: Supplementary Data 3

**Description:** Round 1 to 6 sequencing data for selection against PADI4, converted into peptide sequences.

## File name: Supplementary Data 4

Description: NMR spectra

File name: Supplementary Data 5

Description: Source Data