

**Table S1: Protein preparation method, separation, separation column length and gradient time of liquid chromatography as well as mass spectrometers used for USSC secretome analysis are summarized.** In total, 1520 proteins were determined.

Run	Run1	Run2	Run3	Run4	Run5	Run6	Run7
concentration	TCA precipitation	TCA precipitation	TCA precipitation	lyophilisation	lyophilisation	lyophilisation	lyophilisation
pre-separation	short gel	short gel	short gel	short gel	short gel	short gel	1D-PAGE, 12 lanes
separation column length, time	25 cm, 2h	50 cm, 2h	25 cm, 2h	50 cm, 2h	50 cm, 2h	50 cm, 2h	50 cm, 12 x 2h
Mass spectrometer	LTQ OT Velos	LTQ OT Velos	LTQ OT Velos	LTQ OT Velos	LTQ OT Elite	LTQ OT Elite	LTQ OT Elite
Proteins (n)	461	462	337	699	535	483	865