

Fig. S1. Spraying conditions

Trypsin spray		Matrix spraying	
Flow rate	0.075 mL/min, using a syringe pump	Flow rate	0.2 mL/min
Trypsin	0.05 mg/mL in 50 mM NH ₄ HCO ₃	Matrix	CHCA 5 mg/mL in 0.1% TFA/90% acetonitrile
Pattern	HH	Pattern	CC
Passes	12	Passes	8
Temperature	30 °C	Temperture	75 °C