

S3 Table. nanoLC-MS gradient information

| Time[min] | Flow[μ l/min] | %B |
|-----------|--------------------|-------|
| 0.00 | 0.300 | 2.0 |
| 3.00 | 0.300 | 2.0 |
| 3.10 | 0.300 | 2.0 |
| 8.00 | 0.300 | 4.0 |
| 108.00 | 0.300 | 35.0 |
| 128.00 | 0.300 | 65.0 |
| 129.00 | 0.300 | 100.0 |
| 133.00 | 0.300 | 100.0 |
| 134.00 | 0.300 | 2.0 |
| 140.00 | 0.300 | 2.0 |
| 150.00 | 0.300 | 2.0 |

%B, Mobile phase B (Acetonitrile (OptimaTM, LC/MS grade, Fisher ChemicalTM) with 20mM Formic Acetate, pH 9.3.