| HXMS Data Set             | BFL-1ΔC C55 | BFL-1 C55/C175 reduced | BFL-1 C55/C175 |
|--------------------------|-------------|------------------------|---------------|
| HDX reaction details     | Final D$_2$O concentration=94.7%, pH$_{read}$=6.60, 21 °C. See also footnote a |
| HDX time course          | 10s, 10m    |                        |               |
| HDX controls             | 1 undeuterated | 1 undeuterated         | 3 undeuterated |
| Back-exchange            | 30-35%      |                        |               |
| Number of peptides       | 61 followed; 98 identified | 72 followed; 98 identified |
| Sequence coverage        | 85.7%       | 83.9%                  |               |
| Average peptide length   | 12.95 a.a.  | 12.75 a.a.             |               |
| Redundancy               | 5.88        |                        |               |
| Replicates               | 3 biological | 2 biological        | 3 biological |
| Repeatability            | +/- 0.20 relative Da |                   |               |
| Meaningful differences    | > 0.5 Da    |                        |               |

* 18-fold dilution with labeling buffer [10 mM HEPES, 200 mM KCl, 1 mM MgCl$_2$, pD 7.0, 99.9% D$_2$O].
  1:1 dilution with quench buffer [4 M guanidinium chloride, 200 mM potassium phosphate, 0.72 M TCEP, H$_2$O, pH 2.34]