**Supplementary File 1.** Sequences of candidate FAP probes

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| # | Peptide sequence\* |
| **1** | Biotin-TSGPNQA**C**DTAT**C**VTHRLAGLLSRSGGVVKNNFVPTNVGSKAF |
| **2** | Biotin-TSGPNQEQEA**C**DTAT**C**VTHRLAGLLSRSGGVVKNNFVPTNVGSKAF |
| **3** | Biotin-SSGPVAA**C**DTAT**C**VTHRLAGLLSRSGGVVKNNFVPTNVGSKAF |
| **4** | Biotin-SSGPVADGA**C**DTAT**C**VTHRLAGLLSRSGGVVKNNFVPTNVGSKAF |
| **5** | Biotin-ASGPAGPAA**C**DTAT**C**VTHRLAGLLSRSGGVVKNNFVPTNVGSKAF |

\* Color coding: cyan = CGRP sequence; red = FAP dipeptide recognition sites.