**Table S3** Details of barcode (BC)-tagged M13 primer sets for both BC forward and BC reverse primers.

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| **BC forward primer** | **primer sequence (5՛-3՛)** | **BC reverse primer** | **primer sequence (5՛-3՛)** |
| F-M13BC-01 | TCAGACGATGCGTCATTGTAAAACGACGGCCAGTT | R-M13BC-01 | TCAGACGATGCGTCATGGAAACAGCTATGACCATG |
| F-M13BC-09 | CTGCGTGCTCTACGACTGTAAAACGACGGCCAGTT | R-M13BC-09 | CTGCGTGCTCTACGACGGAAACAGCTATGACCATG |
| F-M13BC-10 | GCGCGATACGATGACTTGTAAAACGACGGCCAGTT | R-M13BC-10 | GCGCGATACGATGACTGGAAACAGCTATGACCATG |
| F-M13BC-17 | CATAGCGACTATCGTGTGTAAAACGACGGCCAGTT | R-M13BC-17 | CATAGCGACTATCGTGGGAAACAGCTATGACCATG |
| F-M13BC-19 | CGCATCTGTGCATGCATGTAAAACGACGGCCAGTT | R-M13BC-19 | CGCATCTGTGCATGCAGGAAACAGCTATGACCATG |
| F-M13BC-21 | GTACACGCTGTGACTATGTAAAACGACGGCCAGTT | R-M13BC-21 | GTACACGCTGTGACTAGGAAACAGCTATGACCATG |
| F-M13BC-29 | GCTCGACTGTGAGAGATGTAAAACGACGGCCAGTT | R-M13BC-29 | GCTCGACTGTGAGAGAGGAAACAGCTATGACCATG |
| F-M13BC-34 | TGCTCGCAGTATCACATGTAAAACGACGGCCAGTT | R-M13BC-34 | ACTCTCGCTCTGTAGAGGAAACAGCTATGACCATG |
| F-M13BC-38 | ACTCTCGCTCTGTAGATGTAAAACGACGGCCAGTT | R-M13BC-38 | TGCTCGCAGTATCACAGGAAACAGCTATGACCATG |
| F-M13BC-40 | CAGTGAGAGCGCGATATGTAAAACGACGGCCAGTT | R-M13BC-40 | CAGTGAGAGCGCGATAGGAAACAGCTATGACCATG |
| F-M13BC-48 | TCACACTCTAGAGCGATGTAAAACGACGGCCAGTT | R-M13BC-48 | TCACACTCTAGAGCGAGGAAACAGCTATGACCATG |
| F-M13BC-52 | GCAGACTCTCACACGCTGTAAAACGACGGCCAGTT | R-M13BC-52 | GCAGACTCTCACACGCGGAAACAGCTATGACCATG |
| F-M13BC-54 | GCAGACTCTCACACGCTGTAAAACGACGGCCAGTT | R-M13BC-54 | GTGTGAGATATATATCGGAAACAGCTATGACCATG |
| F-M13BC-62 | CTGCGCAGTACGTGCATGTAAAACGACGGCCAGTT | R-M13BC-62 | GACAGCATCTGCGCTCGGAAACAGCTATGACCATG |
| F-M13BC-70 | GACAGCATCTGCGCTCTGTAAAACGACGGCCAGTT | R-M13BC-70 | CTGCGCAGTACGTGCAGGAAACAGCTATGACCATG |