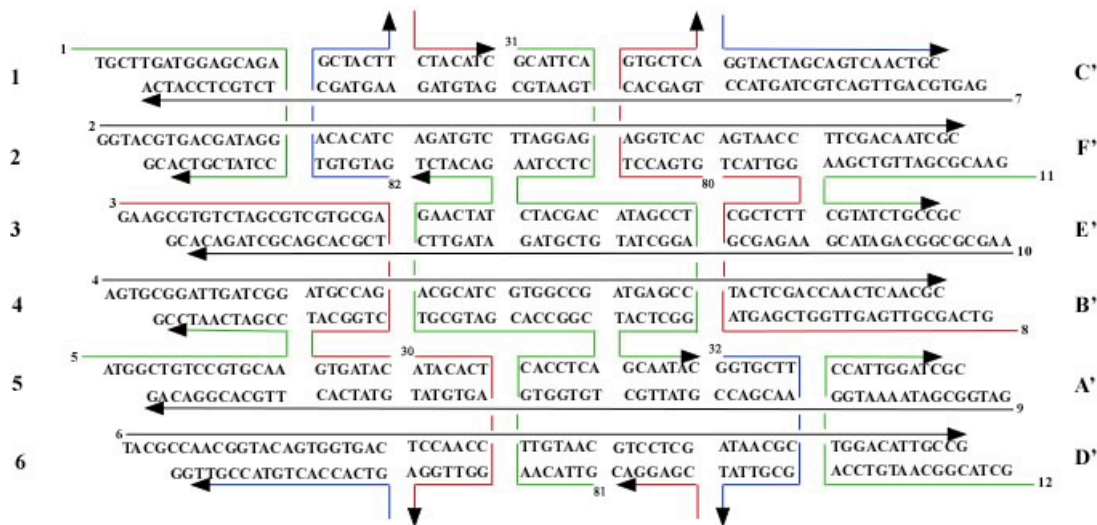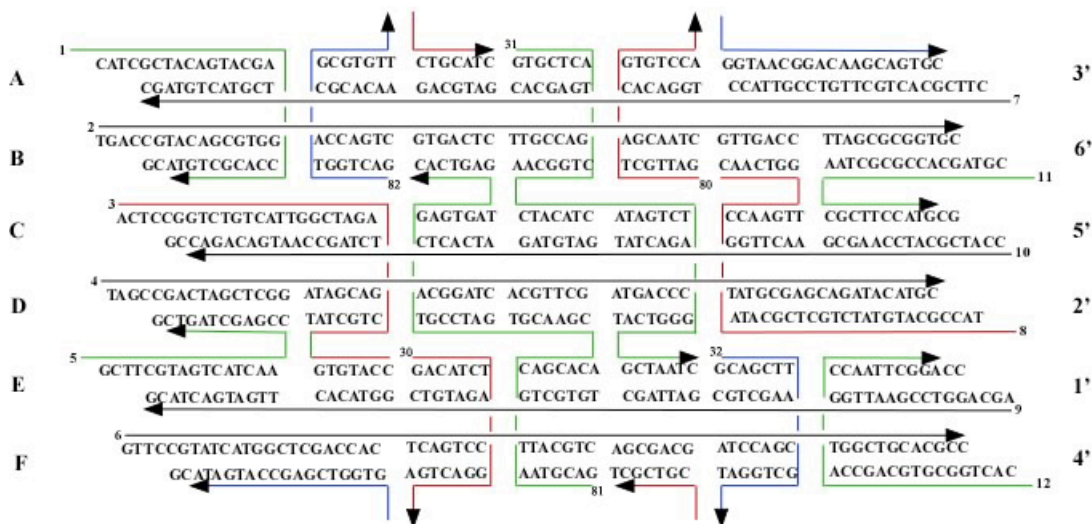# Supplementary Information for Mathieu *et al.*,
"Six-Helix Bundles Designed from DNA"

Sequences for the Six-Helix Bundles Used to Generate 2D arrays.

Tile - 1

| 1 | TGCTTGATGGAGCAGA | GCTACTT | CTACATC | GCATTCA | GTGCTCA | GGTACTAGCAGTCAACTGC | C' |
| | ACTACCTCGTCT | CGATGAA | GATGTAG | CGTAAGT | CACGAGT | CCATGATCGTCAGTTGACGTGAG | |

| 2 | GGTACGTGACGATAGG | ACACATC | AGATGTC | TTAGGAG | AGGTCAC | AGTAACC | TTCGACAATCGC | F' |
| | GCACTGCTATCC | TGTGTAG | TCTACAG | AATCCTC | TCCAGTG | TCATTGG | AAGCTGTTAGCGCAAG | |

| 3 | GAAGCGTGTCTAGCGTCGTGCGA | GAACTAT | CTACGAC | ATAGCCT | CGCTCTT | CGTATCTGCCGC | E' |
| | GCACAGATCGCAGCACGCT | CTTGATA | GATGCTG | TATCGGA | GCGAGAA | GCATAGACGGCGCGAA | |

| 4 | AGTGCGGATTGATCGG | ATGCCAG | ACGCATC | GTGGCCG | ATGAGCC | TACTCGACCAACTCAACGC | B' |
| | GCCTAACTAGCC | TACGGTC | TGCGTAG | CACCGGC | TACTCGG | ATGAGCTGGTTGAGTTGCGACTG | |

| 5 | ATGGCTGTCCGTGCAA | GTGATAC | ATACACT | CACCTCA | GCAATAC | GGTGCTT | CCATTGGATCGC | A' |
| | GACAGGCACGTT | CACTATG | TATGTGA | GTGGTGT | CGTTATG | CCAGCAA | GGTAAAATAGCGGTAG | |

| 6 | TACGCCAACGGTACAGTGGTGAC | TCCAACC | TTGTAAC | GTCCTCG | ATAACGC | TGGACATTGCCG | D' |
| | GGTTGCCATGTCACCACTG | AGGTTGG | AACATTG | CAGGAGC | TATTGCG | ACCTGTAACGGCATCG | |

Tile - 2

| A | CATCGCTACAGTACGA | GCGTGTT | CTGCATC | GTGCTCA | GTGTCCA | GGTAACGGACAAGCAGTGC | 3' |
| | CGATGTCATGCT | CGCACAA | GACGTAG | CACGAGT | CACAGGT | CCATTGCCTGTTCGTCACGCTTC | |

| B | TGACCGTACAGCGTGG | ACCAGTC | GTGACTC | TTGCCAG | AGCAATC | GTTGACC | TTAGCGCGGTGC | 6' |
| | GCATGTCGCACC | TGGTCAG | CACTGAG | AACGGTC | TCGTTAG | CAACTGG | AATCGCGCCACGATGC | |

| C | ACTCCGGTCTGTCATTGGCTAGA | GAGTGAT | CTACATC | ATAGTCT | CCAAGTT | CGCTTCCATGCG | 5' |
| | GCCAGACAGTAACCGATCT | CTCACTA | GATGTAG | TATCAGA | GGTTCAA | GCGAACCTACGCTACC | |

| D | TAGCCGACTAGCTCGG | ATAGCAG | ACGGATC | ACGTTCG | ATGACCC | TATGCGAGCAGATACATGC | 2' |
| | GCTGATCGAGCC | TATCGTC | TGCCTAG | TGCAAGC | TACTGGG | ATACGCTCGTCTATGTACGCCAT | |

| E | GCTTCGTAGTCATCAA | GTGTACC | GACATCT | CAGCACA | GCTAATC | GCAGCTT | CCAATTCGGACC | 1' |
| | GCATCAGTAGTT | CACATGG | CTGTAGA | GTCGTGT | CGATTAG | CGTCGAA | GGTTAAGCCTGGACGA | |

| F | GTTCCGTATCATGGCTCGACCAC | TCAGTCC | TTACGTC | AGCGACG | ATCCAGC | TGGCTGCACGCC | 4' |
| | GCATAGTACCGAGCTGGTG | AGTCAGG | AATGCAG | TCGCTGC | TAGGTCG | ACCGACGTGCGGTCAC | |

Blunted Ends for Set #1: 1, 2, 1', 2', A, B, A', & B'.
Blunted Ends for Set #2: 3, 4, 3', 4', C, D, C', & D'.
Blunted Ends for Set #3: 5, 6, 5', 6', E, F, E', & F'.