**Table S2:** Nucleotide sequences of GFP sequence fragments.

| **Name** | **Sequence (5’→3’)** |
| --- | --- |
| 5’ Distal-L | ATGCGTAAAGGCGAGGAGCTGTTCACTGGTGTCGTCCCTATTCTGGTGGAATTAGATGGCGATGTTAATGGCCATAAATTCAGTGTTCGTGGTGAAGGCGAAGGTGATGCAACTAATGGTAAACTGACTCTGAAATTTATTTGCACTACTGGTAAATTACCGGTTCCGTGGCCGACTTTAGTTACTACTCTGACCTATGGTGTTCAATGTTTTGCGCGTTATCCGGATCATATGAAACAACATGATTTCTTTAAG |
| Proximal-L | AGTGCGATGCCAGAAGGCTATGTGCAGGAACGTACCATCAGTTTCAAAGATGATGGTACTTACAAAACCCGCGCAGAAGTTAAATTTGAAGGCGATACTCTGGTTAATCGTATTGAACTGAAAGGCATTGATTTTAAAGAAGATGGCAATATCCTGGGTCACAAACTGGAATACAACTTTAATAGTCACAACGTTTACATCACC |
| Terminal-L | GCAGATAAACAGAAAAATGGTATTAAAGCAAATTTTAAAATTCGTCATAATGTTGAAGATGGTAGCGTTCAACTGGCGGATCATTATCAACAAAATACCCCGATTGGTGATGGTCCGGTTCTGCTGCCAGATAATCATTATCTGTCTACCCAAAGTGTTCTGAGCAAAGATCCGAATGAAAAACGTGATCATATGGTTCTGCTGGAGTTCGTAACCGCAGCGGGCATCACGCATGGTATGGATGAACTGTACAAATAA |
| 5’-Distal-M | ATGCGTAAAGGCGAGGAGCTGTTCACTGGTGTCGTCCCTATTCTGGTGGAACTGGATGGCGATGTGAATGGTCATAAGTTCTCTGTGCGTGGCGAAGGTGAAGGTGACGCTACCAACGGCAAACTGACCCTGAAGTTCATCTGCACCACTGGTAAACTGCCGGTTCCGTGGCCGACTCTGGTTACTACTCTGACTTATGGCGTGCAGTGCTTCGCTCGTTACCCGGACCACATGAAACAGCACGATTTCTTCAAG |
| Proximal-M | TCCGCGATGCCGGAAGGCTATGTGCAGGAGCGCACCATTTCTTTCAAAGACGACGGCACCTATAAAACCCGTGCGGAAGTGAAGTTCGAGGGCGATACCCTGGTTAATCGCATTGAGCTGAAAGGCATTGACTTTAAAGAGGACGGCAACATCCTGGGCCACAAGCTGGAGTACAACTTCAACAGCCACAACGTCTACATCACG |
| Terminal-M | GCCGACAAGCAGAAGAACGGCATCAAGGCGAATTTTAAAATCCGTCATAACGTTGAGGATGGCTCTGTGCAGCTTGCGGATCATTATCAACAAAATACCCCGATTGGTGATGGTCCGGTTCTGCTGCCAGATAATCATTATCTGAGCACCCAAAGCGTCCTTTCCAAAGATCCGAACGAGAAGCGCGACCATATGGTTCTTCTTGAGTTCGTAACCGCAGCGGGCATCACGCATGGTATGGATGAACTGTACAAATAA |
| 5’-Distal-H | ATGCGTAAAGGCGAGGAGCTGTTCACTGGTGTCGTCCCTATTCTGGTGGAACTGGATGGCGATGTCAACGGCCACAAGTTCAGCGTGCGCGGCGAGGGCGAAGGCGACGCCACCAACGGCAAACTGACCCTGAAGTTCATCTGTACCACCGGCAAACTGCCGGTCCCCTGGCCGACCCTGGTCACCACCCTGACCTACGGCGTCCAGTGCTTCGCCCGCTACCCGGACCACATGAAGCAGCATGACTTCTTCAAG |
| Proximal-H | TCCGCCATGCCGGAAGGCTACGTGCAGGAACGCACCATCAGCTTCAAGGACGACGGCACCTACAAAACCCGCGCGGAGGTGAAATTCGAGGGCGATACGCTGGTCAACCGCATCGAGCTGAAGGGCATCGACTTCAAGGAGGACGGCAACATCCTGGGCCACAAGCTGGAGTACAACTTCAACAGCCACAACGTCTACATCACG |
| Terminal-H | GCCGACAAGCAGAAGAACGGCATCAAGGCGAACTTCAAGATCCGCCACAACGTGGAGGACGGCAGCGTGCAGCTGGCCGACCACTACCAGCAAAATACCCCCATCGGCGACGGCCCCGTCCTGCTGCCCGACAACCACTACCTGAGCACCCAAAGCGTCCTGTCCAAAGACCCGAACGAGAAGCGCGACCACATGGTCCTGCTGGAGTTCGTAACCGCAGCGGGCATCACGCATGGTATGGATGAACTGTACAAATAA |
| Terminal-L-CA↑ | GCAGATAAACAAAAGAACGGAATAAAAGCAAACTTCAAAATAAGACATAACGTAGAAGATGGATCAGTACAACTAGCAGATCACTACCAACAAAACACACCAATAGGAGATGGACCAGTACTACTACCAGACAACCACTACCTATCAACACAAAGCGTACTATCAAAAGATCCAAATGAAAAAAGAGACCACATGGTACTACTAGAGTTCGTAACCGCAGCGGGCATCACGCATGGTATGGATGAACTGTACAAATAA |
| Terminal-L-GT↑ | GCTGATAAGCAGAAGAATGGTATTAAGGCTAATTTTAAGATTCGTCATAATGTTGAGGATGGTAGTGTTCAGTTGGCTGATCATTATCAGCAGAATACTCCTATTGGTGATGGTCCTGTTTTGCTGCCGGATAATCATTATTTGAGTACTCAGAGTGTTCTGTCTAAGGATCCTAATGAAAAGCGTGATCATATGGTTCTGCTGGAGTTCGTAACCGCAGCGGGCATCACGCATGGTATGGATGAACTGTACAAATAA |
| Terminal-L/H | GCAGATAAACAGAAAAATGGTATTAAAGCAAATTTTAAAATTCGTCATAATGTTGAAGATGGTAGCGTTCAACTGGCGGATCATTATCAACAAAATACCCCGATCGGCGACGGCCCCGTCCTGCTGCCCGACAACCACTACCTGAGCACCCAAAGCGTCCTGTCCAAAGACCCGAACGAGAAGCGCGACCACATGGTCCTGCTGGAGTTCGTAACCGCAGCGGGCATCACGCATGGTATGGATGAACTGTACAAATAA |
| Terminal-H/L | GCCGACAAGCAGAAGAACGGCATCAAGGCGAACTTCAAGATCCGCCACAACGTGGAGGACGGCAGCGTGCAGCTGGCCGACCACTACCAGCAAAATACCCCCATTGGTGATGGTCCGGTTCTGCTGCCAGATAATCATTATCTGTCTACCCAAAGTGTTCTGAGCAAAGATCCGAATGAAAAACGTGATCATATGGTTCTGCTGGAGTTCGTAACCGCAGCGGGCATCACGCATGGTATGGATGAACTGTACAAATAA |
| Terminal-L-Leu-1 | GCAGATAAACAGAAAAATGGTATTAAAGCAAATTTTAAAATTCGTCATAATGTTGAAGATGGTAGCGTTCAACTAGCGGATCATTATCAACAAAATACCCCGATTGGTGATGGTCCGGTTCTGCTGCCAGATAATCATTATCTGTCTACCCAAAGTGTTCTGAGCAAAGATCCGAATGAAAAACGTGATCATATGGTTCTGCTGGAGTTCGTAACCGCAGCGGGCATCACGCATGGTATGGATGAACTGTACAAATAA |
| Terminal-L-Leu-2 | GCAGATAAACAGAAAAATGGTATTAAAGCAAATTTTAAAATTCGTCATAATGTTGAAGATGGTAGCGTTCAACTGGCGGATCATTATCAACAAAATACCCCGATTGGTGATGGTCCGGTTCTACTACCAGATAATCATTATCTGTCTACCCAAAGTGTTCTGAGCAAAGATCCGAATGAAAAACGTGATCATATGGTTCTGCTGGAGTTCGTAACCGCAGCGGGCATCACGCATGGTATGGATGAACTGTACAAATAA |
| Terminal-L-Leu-3 | GCAGATAAACAGAAAAATGGTATTAAAGCAAATTTTAAAATTCGTCATAATGTTGAAGATGGTAGCGTTCAACTGGCGGATCATTATCAACAAAATACCCCGATTGGTGATGGTCCGGTTCTGCTGCCAGATAATCATTATCTGTCTACCCAAAGTGTTCTGAGCAAAGATCCGAATGAAAAACGTGATCATATGGTTCTACTAGAGTTCGTAACCGCAGCGGGCATCACGCATGGTATGGATGAACTGTACAAATAA |