

Table S1: Coding sequences of the secreted part of *Ca. P. asteris* strain AY-WB *SAP54* (CP000061.1, AYWB_224), *SAP11* (CP000061.1, AYWB_370), and strain OY-M *TENGU* (AB750355.1), codon optimized for *E. coli*, the coding sequence of *mGFP6* as PCR amplified from the plasmid pGreenII-35::mGFP6 (Hellens et al., 1999) and coding sequences of the fusion genes mGFP6-SAP54, mGFP6-SAP11, and mGFP6-TENGU.

>SAP54

ATGGACAAAGACATCGCTTCTACCTCTAACAACAACCCGAACATCACCAACTACTCTATCGAAGAAAA
CATCATCAACCTGAAATACAAAATCCGTGAAAACGCTGTTAAAAAATCAACATCGAAAACGAAATCC
AGCAGCTGTCTAACAACGAACCGCGTAAAAACACCCTGCTGACCCTGAAAAAAAACCTGGAAAACCTG
ATCAACAACCAGAAAAGAACAGCTGAAAACCTACCAGATCCTGCTGAAAACCTGAACGACGAAAACAA
TTGA

>SAP11

ATGAGCCCGAAAAAGAAAGCAGCGATAAAAAACGCGATATCCCGAAAATCAACAAGAGCGAAGAGAA
AAACAAGAAACAGAAAGAGGACATCAAACGCTTCTACACCATCCACAAAGAGTTCAAAGAATACAGCA
TCGAGAAGAACAACGAGATCATCAAAATTCTGGAAAACCCGGAACCTGATGGAAATCCTGAAACAAAA
GCCGAAGAGGAAACGAAAAACCTGAAAGAAGAAGGTAGCAGCAGCAAACAGCCGGATGATAGCAAAAA
ATGA

>TENGU

ATGGATCAGGATGATGATATCGAAAATGTGATTACCCTGATCGAAACCAAAGAAAATCAGACCGAGCA
GATTAAATCCAGTGTCAGGATCTGCTGCAGAAAGGTGAAAAAGATGCATGA

>mGFP6

ATGTTTCAGTAAAGGAGAAGAACTTTTCACTGGAGTTGTCCCAATTCTTGTTGAATTAGATGGTGATGT
TAATGGGCACAAATTTTCTGTCTAGTGGAGAGGGTGAAGGTGATGCAACATACGGAAAACCTTACCCTTA
AATTTATTTGCACTACTGGAAAACCTGTTCCATGGCCAACCCTGGTCACCACCCTGACCTACGGC
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GGGATACGTGCAGGAGAGGACCATCTTCTTCAAGGACGACGGGAACCTACAAGACACGTGCTGAAGTCA
AGTTTGAGGGAGACACCCTCGTCAACAGGATCGAGCTTAAGGGAATCGATTTCAGGAGGACGGAAAC
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GAACGGCATCAAAGCCAACCTTCAAGACCCGCCACAACATCGAAGACGGCGGCGTGCAACTCGCTGATC
ATTATCAACAAAATACTCCAATTGGCGATGGCCCTGTCCTTTTACCAGACAACCATTACCTGTCCACA
CAATCTGCCCTTTTCGAAAGATCCCAACGAAAAGAGAGACCACATGGTCCTTCTTGAGTTTGTAACAGC
TGCTGGGATTACACATGGCATGGATGAACTATACAAATAA

>mGFP6-SAP54

ATGTTTCAGTAAAGGAGAAGAACTTTTCACTGGAGTTGTCCCAATTCTTGTTGAATTAGATGGTGATGT
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AATTTATTTGCACTACTGGAAAACCTGTTCCATGGCCAACCCTGGTCACCACCCTGACCTACGGC
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GGGATACGTGCAGGAGAGGACCATCTTCTTCAAGGACGACGGGAACCTACAAGACACGTGCTGAAGTCA
AGTTTGAGGGAGACACCCTCGTCAACAGGATCGAGCTTAAGGGAATCGATTTCAGGAGGACGGAAAC
ATCCTCGGCCACAAGTTGGAATACAACCTACAACCTCCACAACGTATACATCATGGCCGACAAGCAAAA
GAACGGCATCAAAGCCAACCTTCAAGACCCGCCACAACATCGAAGACGGCGGCGTGCAACTCGCTGATC
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CAATCTGCCCTTTTCGAAAGATCCCAACGAAAAGAGAGACCACATGGTCCTTCTTGAGTTTGTAACAGC
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CGAAATCCAGCAGCTGTCTAACAACGAACCGCGTAAAAACACCCTGCTGACCCTGAAAAAAAACCTGG
AAAACCTGATCAACAACCAGAAAAGAACAGCTGAAAACCTACCAGATCCTGCTGAAAACCTGAACGAC
GAAAACAATTGA

>mGFP6-SAP11

ATGTTTCAGTAAAGGAGAAGAACTTTTCACTGGAGTTGTCCCAATTCTTGTTGAATTAGATGGTGATGT
TAATGGGCACAAATTTTCTGTCAGTGGAGAGGGTGAAGGTGATGCAACATACGGAAACTTACCCTTA
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GTGCAGTGCTTCTCCCGTTACCCTGATCATATGAAGCGGCACGACTTCTTCAAGAGCGCCATGCCTGA
GGGATACGTGCAGGAGAGGACCATCTTCTTCAAGGACGACGGGAACTACAAGACACGTGCTGAAGTCA
AGTTTGAGGGAGACACCCTCGTCAACAGGATCGAGCTTAAGGGAATCGATTTCAAGGAGGACGGAAAC
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GAACGGCATCAAAGCCAACCTTCAAGACCCGCCACAACATCGAAGACGGCGGCGTGCAACTCGCTGATC
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ATACAGCATCGAGAAGAACAACGAGATCATCAAAATTCTGGAAAACCCGGAACCTGATGGAAATCCTGA
AACAAAAAGCCGAAGAGGAAACGAAAAACCTGAAAGAAGAAGGTAGCAGCAGCAAACAGCCGGATGAT
AGCAAAAAATGA

>mGFP6-TENGU

ATGTTTCAGTAAAGGAGAAGAACTTTTCACTGGAGTTGTCCCAATTCTTGTTGAATTAGATGGTGATGT
TAATGGGCACAAATTTTCTGTCAGTGGAGAGGGTGAAGGTGATGCAACATACGGAAACTTACCCTTA
AATTTATTTGCACTACTGGAAACTACCTGTTCCATGGCCAACCCTGGTCACCACCCTGACCTACGGC
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GAACGGCATCAAAGCCAACCTTCAAGACCCGCCACAACATCGAAGACGGCGGCGTGCAACTCGCTGATC
ATTATCAACAAAATACTCCAATTGGCGATGGCCCTGTCCTTTTACCAGACAACCATTACCTGTCCACA
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CTAGAGCAATGGATCAGGATGATGATATCGAAAATGTGATTACCCTGATCGAAACCAAAGAAAATCAG
ACCGAGCAGATTAAAATCCAGTGTGAGGATCTGCTGCAGAAAGGTGAAAAAGATGCATGA