

Table S1. List of primers.

Function	Name	Sequence 5'-3'
Oligonucleotides for the generation of <i>Pf92</i> recombinant protein		
Cloning primers	<i>Pf92rp1</i> FP	GCGTAGGATCCAATTCTTTGTCAGATAGCC
	<i>Pf92rp1</i> RP	TAGGCCTGCAGTTCCTGAATAGGTGGTTG
Oligonucleotides for the generation and verification of <i>PfSAMS</i>-HA-KD Mutant		
Cloning Primers	<i>PfSAMS</i> -HA- <i>glmS</i> NotI FP	tcctccGCGGCCGCGTGAATGAAGGACACCCAGAT
	<i>PfSAMS</i> -HA- <i>glmS</i> XmaI RP	ctttactCCCGGGATTTTTTAATGCATTTTTTTCGTGAGAT
Integration Primers	pSLI- <i>PfSAMS</i> 5' Int <i>glmS</i> FP	GAGGAAACTTTTTATTACATCTGAA
	pSLI- <i>PfSAMS</i> 3' Int <i>glmS</i> RP	CCACATACGCTTAATTATAATATGATG
	pARL-HA- <i>glmS</i> FP	GCTTTACACTTTATGCTTCCGGCTC
	pSLI-HA- <i>glmS</i> RP	TGTCTGTTGTGCCCAGTCAT
Oligonucleotides for the generation of pARL-<i>pfama1</i>-GFP-BirA vector		
Cloning primers	GFP FP	AATTAATGTACTTGTATAAATTGTACAAAGGT ACCGGGCCCCCTAGGagtaaaggagaagaacttttcactgg
	GFP RP	ACCACTTCCTGATGTAGATCCACTACCTTTAGCT CTTCCttttagagctcatccatgcc
	BirA FP	GAGCTAAAGGTAGTGGATCTACATCAGGAA GTGGTAAAGATAATACAGTACCATTAAAATTAATAGC
	BirA RP	AAATAAGAAAAACGAACATTAAGCTGCCATAT CCCTCGAGttaTTTTTCAGCTGATCTTAATGATATTTcACC
Oligonucleotides for the generation of pARL-<i>pfnpa</i>-GFP-BirA vector		
Cloning primers	<i>pfnpa</i> -5' FP	AAAAAGCGGCCGCCCATACACCAACCAAC
	<i>pfnpa</i> -3' RP	AAAAAGGTACCATGATTATACTAAGGATTGG
Oligonucleotides for the generation and verification of <i>PfSAMS</i>-<i>pfnpa</i>-GFP-BirA mutant		
Cloning primers	<i>PfSAMS</i> - <i>pfnpa</i> -GFP-BirA KpnI FP	cttagtataaatcatggtaccATGAGTCAGTTGAAAATTAAAAG
	<i>PfSAMS</i> - <i>pfnpa</i> -GFP-BirA AvrII RP	agttcttctctttactcctaggATTTTTTAATGCATTTTTTTCGTG

Diagnostic PCR Primer	<i>Pf</i> SAMS- <i>pffn1pa</i> -GFP-BirA KpnI FP	cttagtataaatcatggtaccATGAGTCAGTTGAAAATTAAAAG
	GFP RP	CAAGTGTTGGCCATGGAA
	Aldolase RT FP	TAGATGGATTAGCAGAAAGATGC
	Aldolase RT RP	TCAAAATCACGCACATCCTG
Oligonucleotides for the generation and verification of <i>Pf</i>SAMS-<i>pfama1</i>-GFP-BirA mutant		
Cloning Primers	<i>Pf</i> SAMS- <i>pfama1</i> -GFP-BirA ApaI FP	atgcatgggcccATGAGTCAGTTGAAAATTAAAAGAGG
	<i>Pf</i> SAMS- <i>pfama1</i> -GFP-BirA AvrII RP	atgcatcctaggATTTTTTAATGCATTTTTTTCGTGAGAT
Diagnostic PCR Primers	<i>Pf</i> SAMS- <i>pfama1</i> -GFP-BirA ApaI FP	atgcatgggcccATGAGTCAGTTGAAAATTAAAAGAGG
	GFP RP	CAAGTGTTGGCCATGGAA
	Aldolase RT FP	TAGATGGATTAGCAGAAAGATGC
	Aldolase RT RP	TCAAAATCACGCACATCCTG

FP, forward primer; RP, reverse primer; RT, reverse transcriptase; restriction sites indicated in small letters