

Table S7. Primers used in this study.

Primer Name	Amplification Target	Sequence (5'-3')
CMF1	Pixie attB	TACCGCAGGCCATGAGACCGAACAGCAATG
CMF2	Pixie attB/attL	GTCGGGAGGTCTTATGGCACATGTGAGCGA
CMF3	Pixie attL	TCAGCCTTGAGCTTGTCCAGGGCTCGATC
CMF4	K1 attB	CACCGTAAGCGTCGTTGCAACCAATTAAGC-
CMF5	K1 attL (except Anaya)	CGGGTCAATGTCCTTGGCGACAACATTTC
CMF6	K1 attB/attL	GCGTGTACCTCACCAACTCGCTGTACT
CMF13	Anaya attL	CGGGTCAATGTCCTTGGCGACAACATTTC
AdeIntF	Adephagia integrase and attP	GCACACCAGCGAGCTCCGTTGCT
AdeIntR	Adephagia integrase and attP	GACCTCCTGCAGGGCCCCAGATAC
CMF18	Pixie 81	aaaaaaaaacatatgGTGACCGCGCGAGCAGGCACGGCGA
CMF19	Pixie 81	ttttttgttaacCGCCTGCGCCTCGATCGGGCTGCTC
DJS25	Ph101 Mutation Change 2F	GGTGATGCTGACGAGCTA
DJS26	Ph101 Mutation Change 2R	CCGAGTAAGCCTTGGAT
DJS27	Ph101 Mutation Change 4F	GGATTGTTCTGATGCAACT
DJS28	Ph101 Mutation Change 4R	CGTCGATCATTTCCATAGTC
DJS29	Ph101 Mutation Change 5F	CGTCCGGTACGTGTTGT
DJS30	Ph101 Mutation Change 5R	ATCGCATCCTCCAATGAC
DJS31	Ph101 Mutation Change 8F	GCAATCTGCTACACGAGG
DJS32	Ph101 Mutation Change 8R	CGTTTCTCGTTGGCTCTC
DJS33	Ph101 Mutation Change 9F	TTTCTGGACTAAACAATAGGCT
DJS34	Ph101 Mutation Change 9R	TGAGTTCATTGCGTCAG
DJS35	Ph101 Mutation Change 11F	TACGCCATGCAGTTCAA
DJS36	Ph101 Mutation Change 11R	GTGTCGACTGCCCTTGT
DJS37	Ph101 Mutation Change 12F	AGATTGACGCCGAGACAG
DJS38	Ph101 Mutation Change 12R	TCCTCAATTCCCTTGAGCTT
DJS39	Ph101 Mutation Change 14F	TCACGAAGGAAACACAGG
DJS40	Ph101 Mutation Change 14R	GGAGTTGCCGTGCTTATT
DJS41	Ph101 Mutation Change 22F	TGCAATGTCCAACCACAC
DJS42	Ph101 Mutation Change 22R	CGTACATGGCAGGAACT