

Supplementary Figure S8

Primers used in this study

1	(<i>Xba</i> I) <i>phsI</i> sp fwd	5'-ATATATAT <u>TCTAGA</u> ATGATGAGAGCAAGGGTCCACTCC-3'
2	sp RFP rev	5'-GATGACGTCCTCGGAGGAGGCGCAAATGAGGCAGAAAGTG-3'
3	sp RFP fwd	5'-CACTTCTGCCTCATTGCGCCTCTCCGAGGACGTCATC-3'
4	RFP (<i>Sac</i> I) rev	5'-TAATGATGGAGCTCTTAGGCGCCGGTGGAGTGGC-3'
5	RFP afvy (<i>Sac</i> I) rev	5'-ATATATATTCAGTACACAAAGGCGCCGGTGGAGTGGCGGCCCTCGGC-3'
6	linker RFP fwd	5'-GTGGTACCAAATTTAATATGGCCTCTCCGAGGACGTCATCAAGG-3'
7	RFP linker rev	5'-CCTTGATGACGTCCTCGGAGGAGCCATATTTAAAATTTGGTACCAC-3'
8	QC sp:RFP:linker fwd	5'-GCGCCTCTTTGCTTGGAAGGCCAGTGGTACC-3'
9	QC sp:RFP:linker rev	5'-GGTACCACTGGCCTTCCAAGCAAAGAGGCGC-3'
10	α -fwd	5'-ATATATATCCATGGCCGCAACATCAGCTCGTAGAGCAT-3',
11	α -rev	5'-AATCGAACCCATGGCGTAATCTTCAGGGGCCAAGGGCT-3'
12	γ -fwd	5'-ATATATATCCATGGCCCGATCAGAAACATCGCCATTGGCCGTCCA-3'
13	γ -rev	5'-AATCGAACCCATGGCGTAGTCTGTGGTTGGGAGCTGCTCGTGTGT-3',
14	δ -fwd	5'-ATATATATCCATGGCCGCTGGAGTTGCCTTTGGTTCCTTTGATGAT-3'
15	δ -rev	5'-AATCGAACCCATGGCGAAATCAGCAGAAGCAAGAGGAACATGTTC-3'
16	$\alpha(2)$ -fwd	5'-ATATATATCCCGGGATGGCCGCAACATCAGCTCGTAGAGCAT-3'
17	$\alpha(2)$ -rev	5'-AATCGAACGAGCTCCTAGTAATCTTCAGGGGCCAAGGGCT-3'
18	$\gamma(2)$ -fwd	5'-ATATATATCCCGGGATGCCGATCAGAAACATCGC-3'
19	$\gamma(2)$ -rev	5'-AATACGTCGAGCTCTCAGTAGTCTGTGGTTGGGA-3'
20	YFP-fwd	5'-ATATATATCTCGAGGGATCCAAGGGCGAGGAGCTGTTCAC-3'
21	YFP-rev	5'-ACTGACTACCCGGGTCACCTTGACAGCTCGTCC-3'
22	Nat 5' α -fwd	5'-CGTGGACAGGTACCTTGAAGAAATCACACTCCGA-3'
23	Nat 5' α -rev	5'-ACTGACTACTCGAGGTAATCTTCAGGGGCCAAGG-3'
24	Nat 5' γ -fwd	5'-CGTGGACAGGTACCCAATGGATCATCCACCTAAC-3'
25	Nat. 5' γ -rev	5'-ACTGACTACTCGAGGTAGTCTGTGGTTGGGAGCT-3'
26	Nat. 5' δ -fwd	5'-CGTGGACAGGTACCATCTCAGCATATGATACAAA-3'

27	Nat. 5 δ -rev	5'-ACTGACTACTCGAGGAAATCAGCAGAAGCAAGAG-3'
28	Nat. 3' α -fwd	5'-CGTGGACACCCGGGATGGAACCTTCCTCATGTCA-3'
29	Nat. 3' α -rev	5'-ACTGACTAGCGGCCGCCACAATAACAAGGAGAAGAA-3'
30	Nat. 3' γ -fwd	5'-CGTGGACACCCGGGATTAATCTCTCTTTTCTCT-3'
31	Nat. 3' γ -rev	5'-ACTGACTAGCGGCCCGCTGTAATAAGACTGATGTGG-3'
32	Nat. 3' δ -fwd	5'-CGTGGACACCCGGGGGAAACAAGTGATGATTCTT-3'
33	Nat. 3' δ -rev	5'-ACTGACTAGCGGCCCGCTGAAACCATCCATTAATTTG-3'