

Table S1. **Oligonucleotide sequences of primers, linkers, and probes**

Oligonucleotide number	Element	Sequence
Cloning		
1	Pol I (PCR primer pair)	GCGCGCATTAAATATTACGCCAAGCTTACGG GCGCGCTAGCTTGTCTACTAATAACCCG
2	<i>HBB</i> intron 2 (PCR primer pair)	GGGAAGCTTCTGAGAACTTCAGGGTGAGTC GGGCTGCAGAAAGTGATGGGCCAGCACAC
3	0 promoter (linker)	Sense [AC12]GGGGGGATTAATGGGGGGGCTAGCGGG, and Anti-sense [AC12]CCCGCTAGCCCCCATTAATCCCCC, where [AC12] is the 5' amino modifier C12
4	<i>U2G</i> (PCR primer pair)	GCGCAAGCTTTGTCTTTTCGCTGGCTCG GGGCTGCAGCGCTCACAGGACTCGTG
Probes		
5	<i>EGFP</i> (PCR primer pair used prior to nick translation)	CGTAAACGGCCACAAGTTC TCTCGTTGGGTCTTTGCTC
6	<i>EGFP</i> (asymmetrical PCR primer pairs)	CGTAAACGGCCACAAGTTC TTGAAGAAGTCGTGCTGC (pair 1) GCACCATCTTCTCAAGGAC CGGCCATGATATAGACGTTG (pair 2) AGCAGAAGAACGGCATCAAG TCTCGTTGGGTCTTTGCTC (pair 3)
7	<i>DsRed</i> (PCR primer pair used prior to nick translation)	CGAGTTCATGCGCTCAAGG TGCTCCACGATGGTGTAGTC
8	<i>DsRed</i> (asymmetrical PCR primer pairs)	CGTCATCACCGAGTTCATGC TTGGAGCCGACTGGAAGTGC (pair 1) ACAAGAAGCTGCCTCCCCC TGGTCTTCTTGCATCAG (pair 2) ACAAGGCCCTGAAGCTGAAG TGCTCCACGATGGTGTAGTC (pair 3)
9	<i>Neo'</i> (PCR primer pair used prior to nick translation)	GGATCGTTTCGCATGATT GAGTCCCCTCAGAAGAA
10	Pre- <i>U2</i> (single-stranded probe)	[bio]CCGGAGGGGGTGCACCGTTCCT[bio], where [bio] is biotin (5' or 3') tetra-ethyleneglycol
11	Real-time PCR <i>EGFP</i> (primer pair)	ACGTAACGGCCACAAGTTC AAGTCGTGCTGCTTCATGTG
12	<i>GAPDH</i> (primer pair)	GAAGGTGAAGGTCGGAGTC GAAGATGGTGATGGGATTC.
Sequencing		
13	pEGFP-C1	Fwd TAACCGTATTACCGCCATGC Rev TCCGTATGTTGCATCACCTTC
3C		
14	<i>ALDOA-ALDOA</i> (primer pair used with <i>Bam</i> HI)	AAATTCCTCTGAAGCACCG TTAATGGGGCATCAAGCAC
15	<i>ALDOA-ALDOA</i> (primer pair used with <i>Pst</i> I)	TTGCAAGTGAAGCCGAAATCG AGGGTGTAGTCTCTGTGGG
16	<i>EGFP-DsRed</i> (primer pair used with <i>Bam</i> HI)	TGAAGCGCATGAACTCGGTG TGGTGCAGATGAACTCAGGG
17	Plasmid backbone-host <i>U2</i> (primer pair used with <i>Pst</i> I)	CCTCTACAAATGTGGTATGGC GGCAGTGGGAGCAAATTC
18	<i>Neo'</i> (primer pair used for copy-number control)	ATTCGGCTATGACTGGGCAC AGTGACAACGTCGAGCACAG