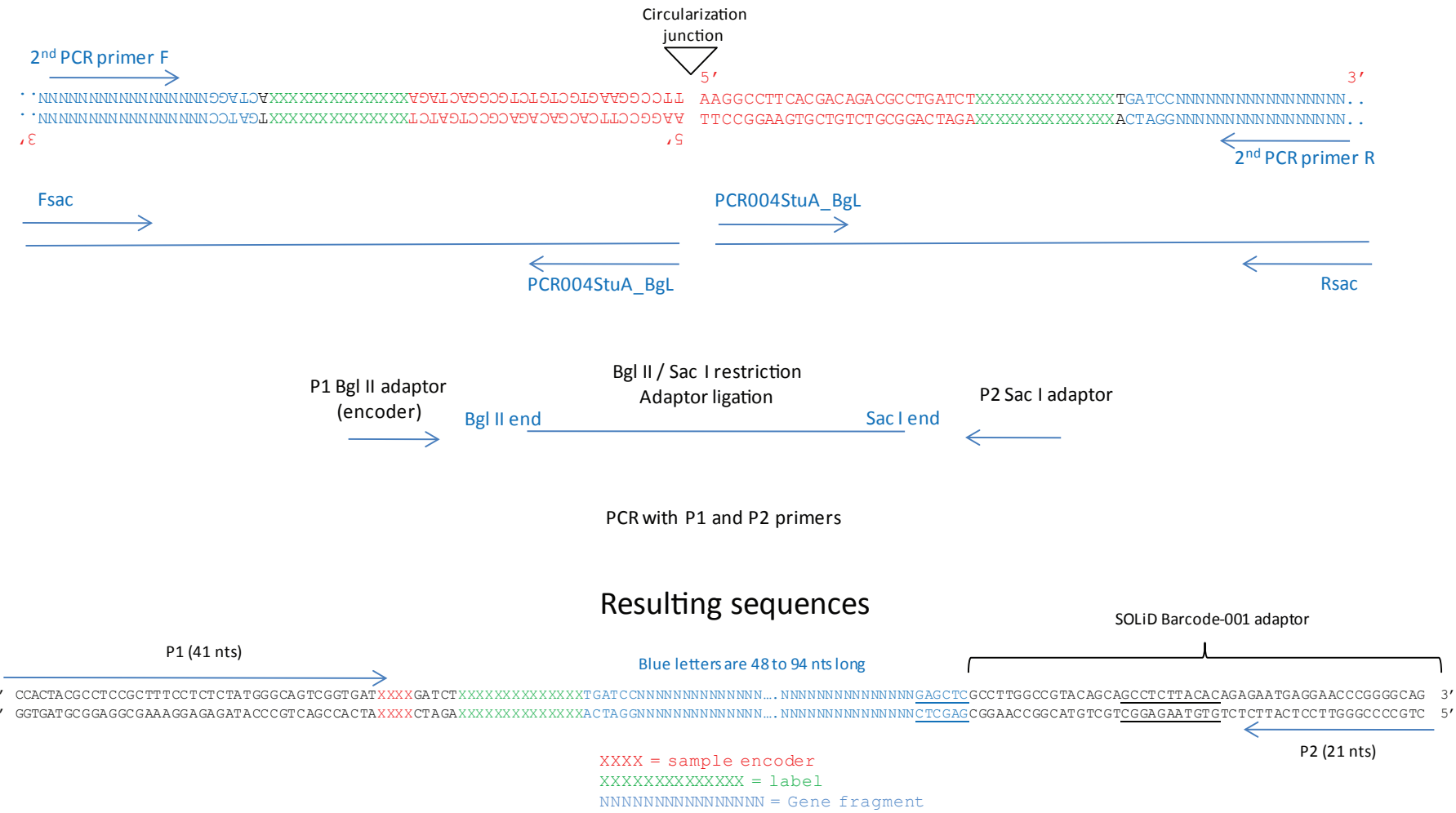
Figure S5


Circularization junction
2nd PCR primer F
5′
3′
AAGGCCTTCACGACAGACGCCTGATCTXXXXXXXXXXXXXXTGATCCNNNNNNNNNNNNNNNNN..
TTCCGGAAGTGCTGTCTGCGGACTAGAXXXXXXXXXXXXXXACTAGGNNNNNNNNNNNNNNNNN..
2nd PCR primer R
Fsac
PCR004StuA_BgL
PCR004StuA_BgL
Rsac
P1 Bgl II adaptor (encoder)
Bgl II / Sac I restriction
Adaptor ligation
Bgl II end
Sac I end
P2 Sac I adaptor
PCR with P1 and P2 primers
Resulting sequences
SOLiD Barcode-001 adaptor
P1 (41 nts)
Blue letters are 48 to 94 nts long
5′ CCACTACGCCTCCGCTTTCCTCTCTATGGGCAGTCGGTGATXXXXGATCTXXXXXXXXXXXXXXTGATCCNNNNNNNNNNNNNN….NNNNNNNNNNNNNNNGAGCTCGCCTTGGCCGTACAGCAGCCTCTTACACAGAGAATGAGGAACCCGGGGCAG 3′
3′ GGTGATGCGGAGGCGAAAGGAGAGATACCCGTCAGCCACTAXXXXCTAGAXXXXXXXXXXXXXXACTAGGNNNNNNNNNNNNNN….NNNNNNNNNNNNNNNCTCGAGCGGAACCGGCATGTCGTCGGAGAATGTGTCTCTTACTCCTTGGGCCCCGTC 5′
P2 (21 nts)
XXXX = sample encoder
XXXXXXXXXXXXXX = label
NNNNNNNNNNNNNNNN = Gene fragment