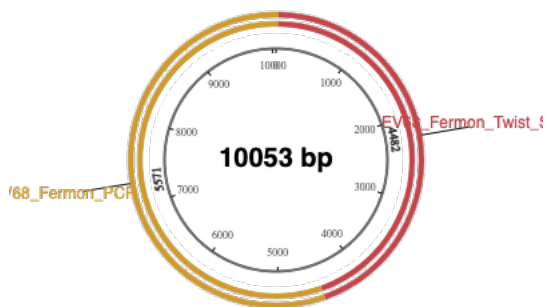


## New\_Assembly

Created: 12/28/2021, 6:41:01 PM  
Saved: not saved

### Component Fragments

Name	Length	Produced by	5' End	3' End
EV68_Fermon_Twist_Sequen	4482	Synthetic	---	---
EV68_Fermon_PCR	5630	PCR	Fwd Primer (auto)	Rev Primer (auto)



### Notes

- Everything looks OK. No major issues detected.

### Required oligos

Name	Primer 5' (overlap/spacer/ANNEAL) 3'	Len	%GC	3' %GC	3' Tm	3' Ta
EV68_Fermon_PCR_fwd	TAACTGTCAGACCAAGTTTAC	21	38	38	58.8	59.8
EV68_Fermon_PCR_rev	GGCAATCAGGCAGTAATG	18	50	50	60.7	59.8

### Build Settings

Property	Value
Product/Kit	#E5520 NEBuilder HiFi DNA Assembly Cloning Kit
Minimum Overlap	20 nt
Minimum Overlap Tm	48 °C
Circularize	Yes
PCR Polymerase/Kit	Q5 High-Fidelity DNA Polymerase
PCR Primer Conc.	500 nM
Min. Primer Length	18 nt

## Assembled Sequence

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#VERSION     .
#KEYWORDS    NEBuilder
#SOURCE      synthetic DNA construct
# ORGANISM   synthetic DNA construct
#REFERENCE   1 (bases 1 to 10053)
# AUTHORS    .
# TITLE      NEBuilder-generated Construct
# JOURNAL     Exported 28-DEC-2021 from NEBuilder https://nebuilder.neb.com
#COMMENT     NEBuilder-generated oligos (UPPERCASE = gene-specific, lowercase = overlap)
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#COMMENT     EV68_Fermon_PCR_rev: GGCAATCAGGCAGTAATG
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# / /  
#